

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
 Data File : BF116208.D
 Acq On : 13 Aug 2019 00:08
 Operator : HP/JU
 Sample : K4152-21MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2S-H1-H4-COMP-(0-1)MSD

Quant Time: Aug 13 01:10:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	120549	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	470521	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	261017	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	468449	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	339674	20.00	ng	0.00
87) Perylene-d12	15.46	264	320815	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	865363	120.17	ng	0.00
7) Phenol-d6	6.48	99	1027125	113.05	ng	0.00
23) Nitrobenzene-d5	7.40	82	757045	92.87	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	350856	138.64	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1278914	91.78	ng	-0.01
79) Terphenyl-d14	12.94	244	1653804	102.59	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.72	88	127186	34.962	ng	# 85
3) Pyridine	3.47	79	208222	20.490	ng	99
4) n-Nitrosodimethylamine	3.37	42	150600	37.553	ng	100
6) Aniline	6.50	93	169289	13.011	ng	# 72
8) 2-Chlorophenol	6.63	128	354408	44.508	ng	99
9) Benzaldehyde	6.40	77	44234	7.056	ng	98
10) Phenol	6.49	94	395220	36.940	ng	79
11) bis(2-Chloroethyl)ether	6.57	93	342453	43.536	ng	96
12) 1,3-Dichlorobenzene	6.77	146	333018	36.187	ng	100
13) 1,4-Dichlorobenzene	6.85	146	345933	37.543	ng	99
14) 1,2-Dichlorobenzene	7.00	146	326509	38.483	ng	99
15) Benzyl Alcohol	6.99	79	295447	42.851	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.11	45	447358	41.696	ng	90
17) 2-Methylphenol	7.10	107	295290	43.795	ng	95
18) Hexachloroethane	7.35	117	121179	35.720	ng	94
19) n-Nitroso-di-n-propylamine	7.25	70	248210	44.087	ng	99
20) 3+4-Methylphenols	7.25	107	366561	45.941	ng	92
22) Acetophenone	7.25	105	494827	47.952	ng	96
24) Nitrobenzene	7.42	77	405837	46.110	ng	98
25) Isophorone	7.66	82	739000	47.412	ng	99
26) 2-Nitrophenol	7.73	139	200072	48.223	ng	99
27) 2,4-Dimethylphenol	7.77	122	328391	52.610	ng	98
28) bis(2-Chloroethoxy)methane	7.86	93	454443	47.040	ng	100
29) 2,4-Dichlorophenol	7.98	162	324634	49.257	ng	100
30) 1,2,4-Trichlorobenzene	8.06	180	323951	43.120	ng	99
31) Naphthalene	8.13	128	1028640	46.457	ng	99
32) Benzoic acid	7.93	122	176168	40.031	ng	96
33) 4-Chloroaniline	8.20	127	117120	11.839	ng	98
34) Hexachlorobutadiene	8.25	225	176911	40.883	ng	99
35) Caprolactam	8.57	113	27935	13.105	ng	99
36) 4-Chloro-3-methylphenol	8.68	107	345380	50.374	ng	99
37) 2-Methylnaphthalene	8.83	142	707722	48.533	ng	98
38) 1-Methylnaphthalene	8.93	142	660432	47.873	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	321448	46.066	ng	100

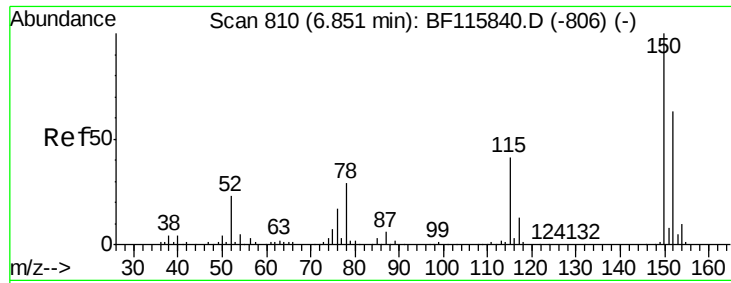
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081219\
 Data File : BF116208.D
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 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.98	237	140104	47.335	ng	100
43) 2,4,6-Trichlorophenol	9.12	196	216349	45.044	ng	99
44) 2,4,5-Trichlorophenol	9.16	196	234919	47.316	ng	99
46) 1,1'-Biphenyl	9.29	154	870695	47.249	ng	98
47) 2-Chloronaphthalene	9.32	162	685119	44.670	ng	99
48) 2-Nitroaniline	9.42	65	230958	45.558	ng	96
49) Acenaphthylene	9.73	152	1055107	47.154	ng	99
50) Dimethylphthalate	9.59	163	863111	48.565	ng	100
51) 2,6-Dinitrotoluene	9.66	165	187445	48.533	ng	98
52) Acenaphthene	9.90	154	645431	47.018	ng	99
53) 3-Nitroaniline	9.83	138	118291	24.787	ng	99
54) 2,4-Dinitrophenol	9.95	184	147941	75.769	ng	99
55) Dibenzofuran	10.08	168	926226	46.398	ng	99
56) 4-Nitrophenol	10.01	139	235126	76.911	ng	97
57) 2,4-Dinitrotoluene	10.07	165	239762	46.626	ng	95
58) Fluorene	10.42	166	752321	48.983	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.20	232	214162	51.271	ng	99
60) Diethylphthalate	10.29	149	830791	50.070	ng	99
61) 4-Chlorophenyl-phenylether	10.41	204	378265	48.629	ng	97
62) 4-Nitroaniline	10.45	138	200792	40.713	ng	97
63) Azobenzene	10.57	77	833819	48.857	ng	99
65) 4,6-Dinitro-2-methylphenol	10.49	198	114934	46.298	ng	90
66) n-Nitrosodiphenylamine	10.53	169	689054	48.870	ng	100
67) 4-Bromophenyl-phenylether	10.90	248	239099	47.679	ng	98
68) Hexachlorobenzene	10.97	284	263227	45.394	ng	100
69) Atrazine	11.06	200	205983	44.407	ng	100
70) Pentachlorophenol	11.17	266	259424	92.149	ng	99
71) Phenanthrene	11.39	178	1156656	48.298	ng	100
72) Anthracene	11.44	178	1197101	49.392	ng	99
73) Carbazole	11.59	167	1136401	51.682	ng	100
74) Di-n-butylphthalate	11.91	149	1342923	52.354	ng	99
75) Fluoranthene	12.57	202	1255124	50.062	ng	99
78) Pyrene	12.80	202	1283933	50.144	ng	99
80) Butylbenzylphthalate	13.41	149	593615	54.807	ng	99
81) Benzo(a)anthracene	13.99	228	1043256	48.053	ng	99
82) 3,3'-Dichlorobenzidine	13.94	252	220283	29.205	ng	98
83) Chrysene	14.03	228	1015081	48.159	ng	100
84) Bis(2-ethylhexyl)phthalate	13.96	149	830532	59.008	ng	100
85) Di-n-octyl phthalate	14.57	149	1298170	58.068	ng	99
86) Indeno(1,2,3-cd)pyrene	16.94	276	992269	56.051	ng	99
88) Benzo(b)fluoranthene	15.04	252	855853	46.138	ng	99
89) Benzo(k)fluoranthene	15.07	252	935463	51.775	ng	98
90) Benzo(a)pyrene	15.40	252	856547	51.655	ng	98
91) Dibenzo(a,h)anthracene	16.94	278	837012	58.313	ng	98
92) Benzo(g,h,i)perylene	17.39	276	841369	59.686	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

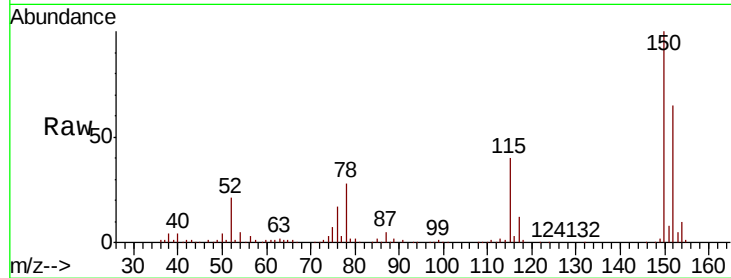


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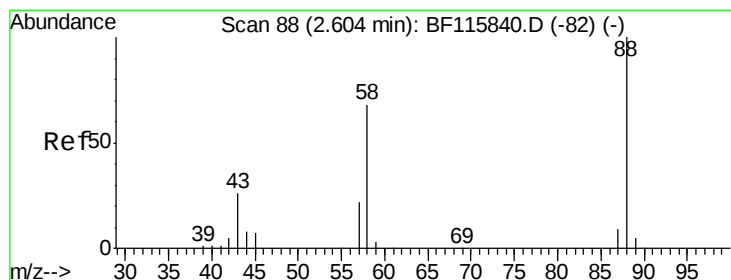
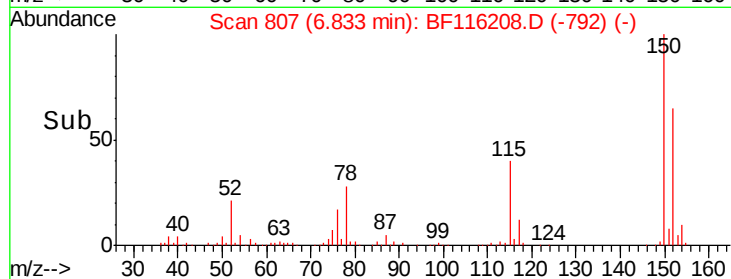
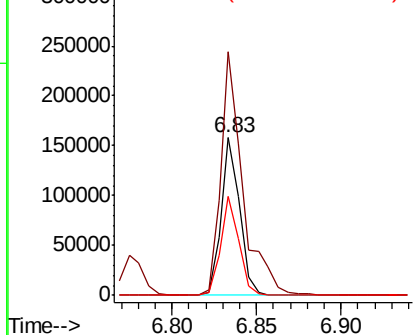
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

Instrument :
BNA_F
ClientSampleId :
2S-H1-H4-COMP-(0-1)MSD

Tot Ion:152 Resp: 120549
Ion Ratio Lower Upper
152 100
150 154.9 126.2 189.2
115 62.6 49.9 74.9



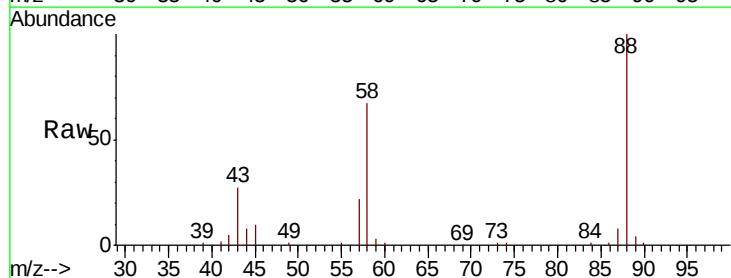
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



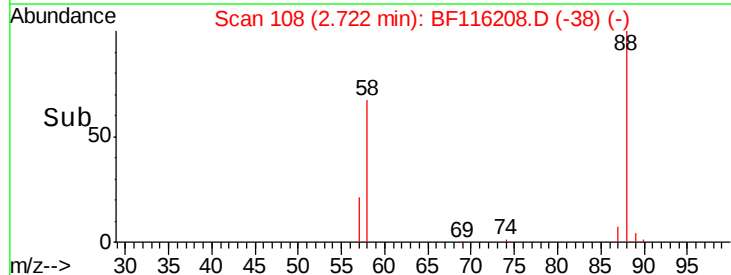
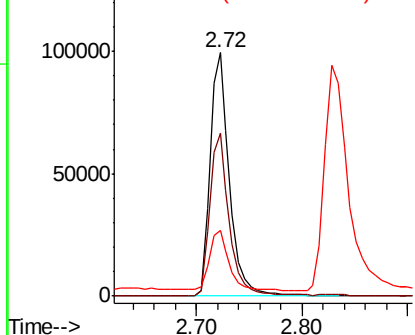
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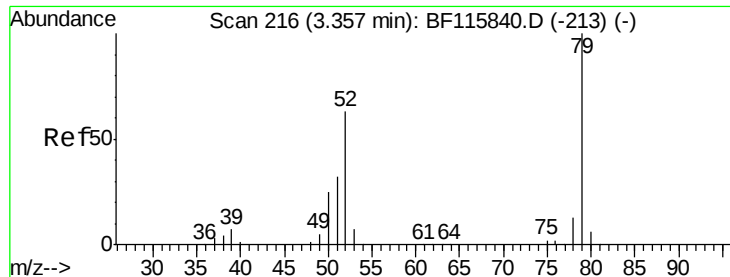
1,4-Dioxane
Concen: 34.962 ng
RT: 2.72 min Scan# 108
Delta R.T. 0.11 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

Tgt Ion: 88 Resp: 127186
Ion Ratio Lower Upper
88 100
58 68.0 53.7 80.5
43 0.0 21.0 31.4#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 20.490 ng

RT: 3.47 min Scan# 235

Delta R.T. 0.11 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

Instrument :

BNA_F

ClientSampleId :

2S-H1-H4-COMP-(0-1)MSD

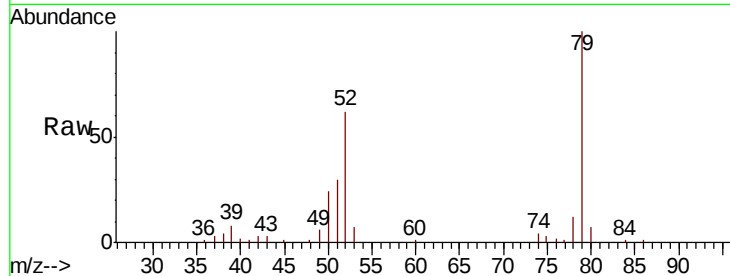
Tot Ion: 79 Resp: 208222

Ion Ratio Lower Upper

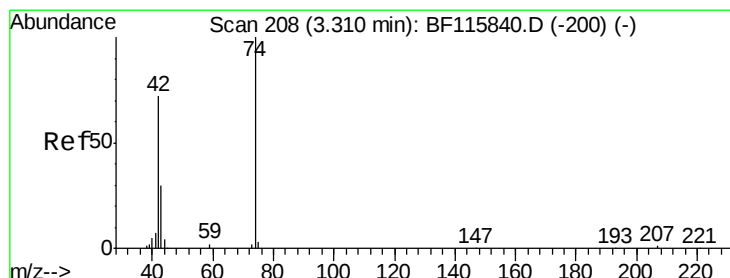
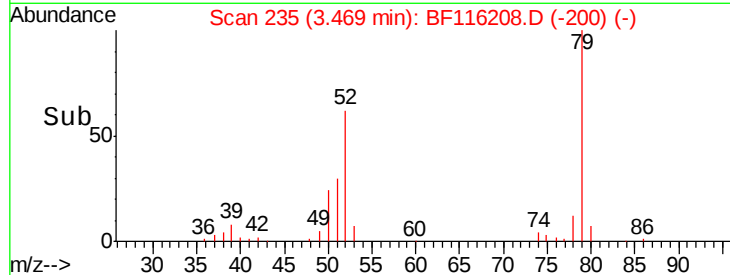
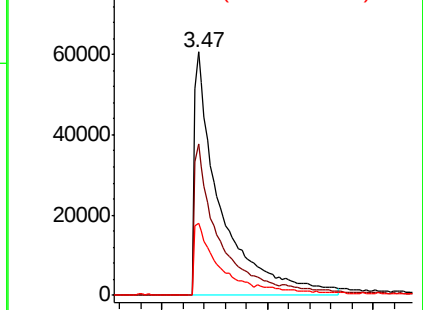
79 100

52 62.2 49.8 74.8

51 29.9 25.2 37.8



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 37.553 ng

RT: 3.37 min Scan# 219

Delta R.T. 0.04 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

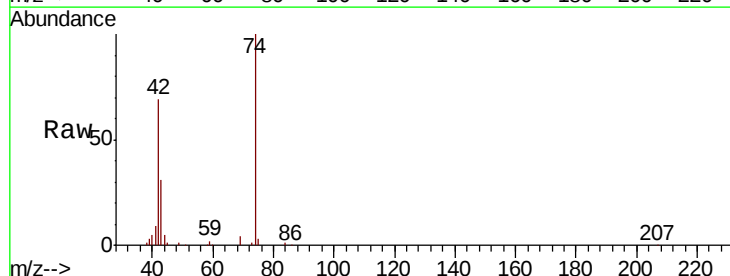
Tgt Ion: 42 Resp: 150600

Ion Ratio Lower Upper

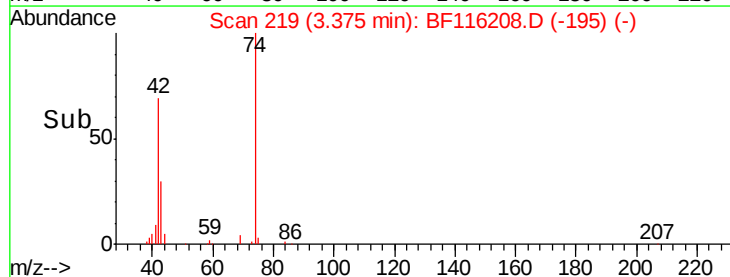
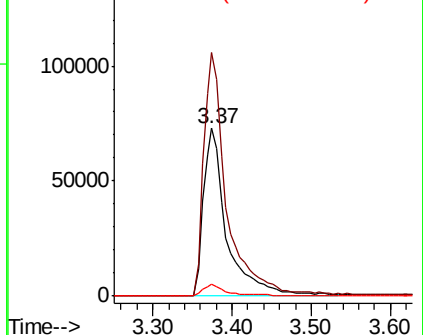
42 100

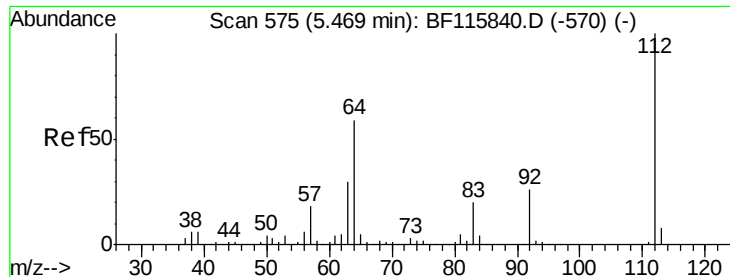
74 145.3 116.0 174.0

44 6.9 4.6 7.0



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 120.173 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

Instrument :

BNA_F

ClientSampleId :

2S-H1-H4-COMP-(0-1)MSD

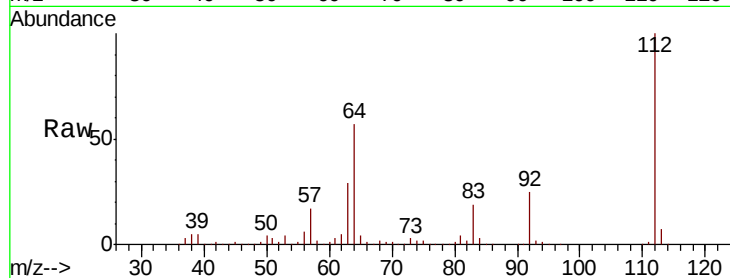
Tot Ion:112 Resp: 865363

Ion Ratio Lower Upper

112 100

64 56.6 45.4 68.2

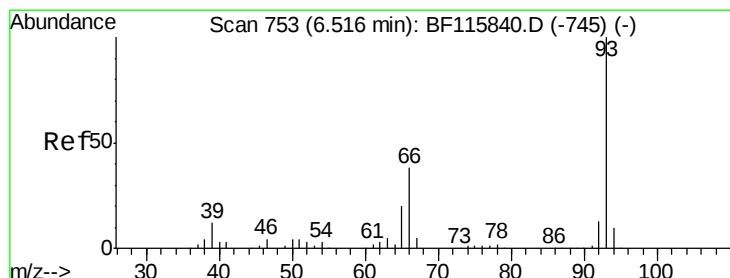
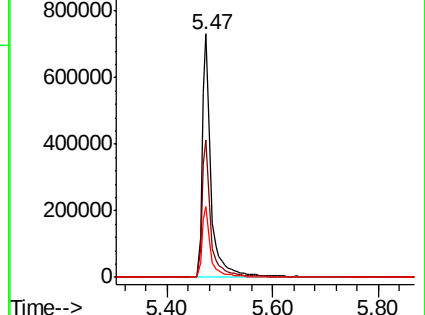
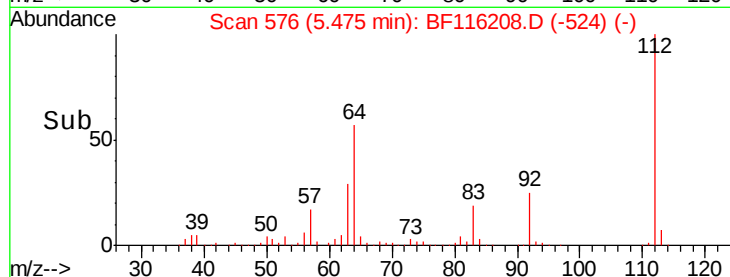
63 29.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 13.011 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

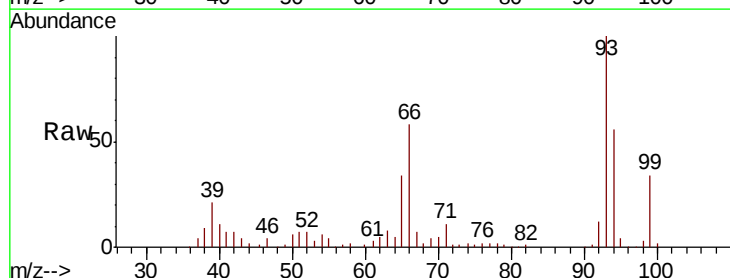
Tgt Ion: 93 Resp: 169289

Ion Ratio Lower Upper

93 100

66 58.0 32.2 48.4#

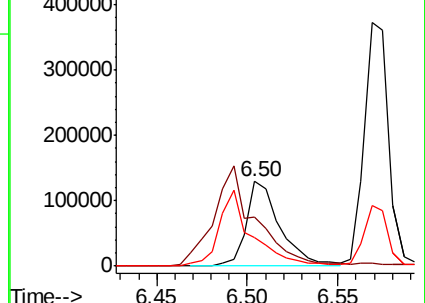
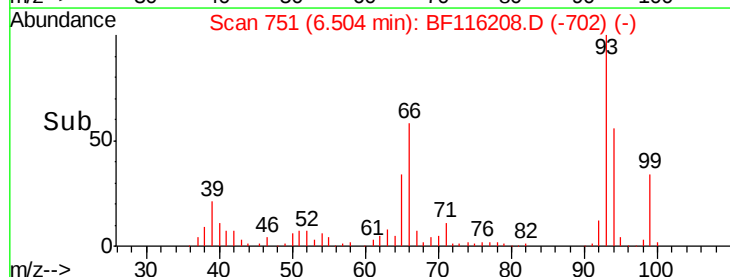
65 33.6 17.0 25.6#

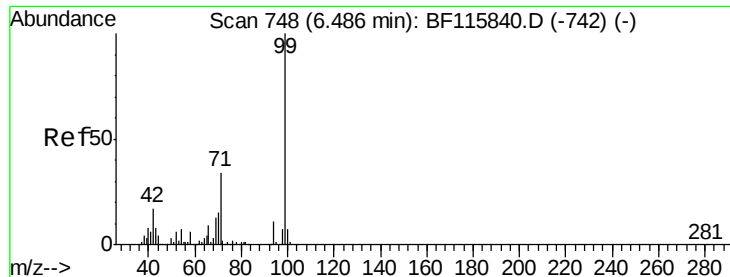


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 113.053 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

Instrument :

BNA_F

ClientSampleId :

2S-H1-H4-COMP-(0-1)MSD

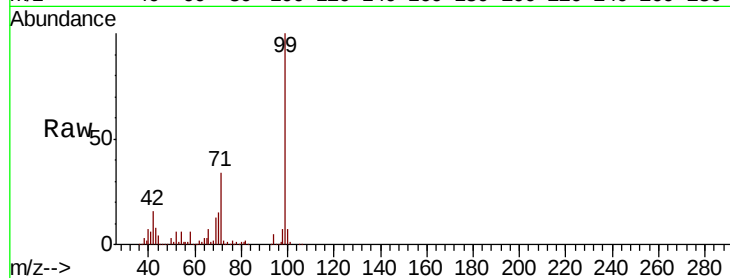
Tot Ion: 99 Resp: 1027125

Ion Ratio Lower Upper

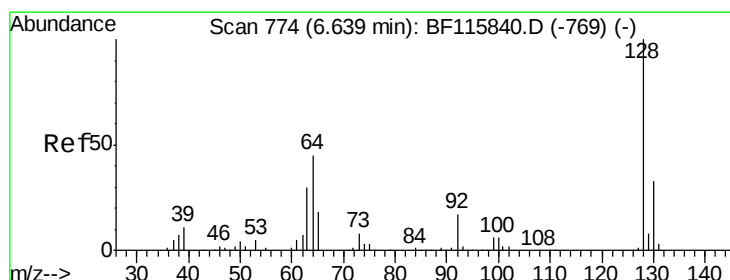
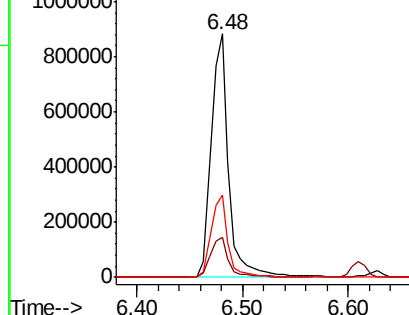
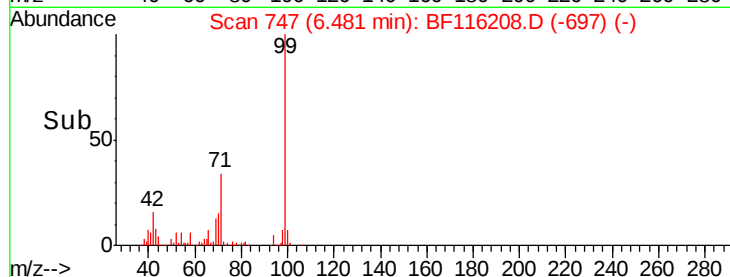
99 100

42 16.5 13.8 20.8

71 33.8 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 44.508 ng

RT: 6.63 min Scan# 772

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

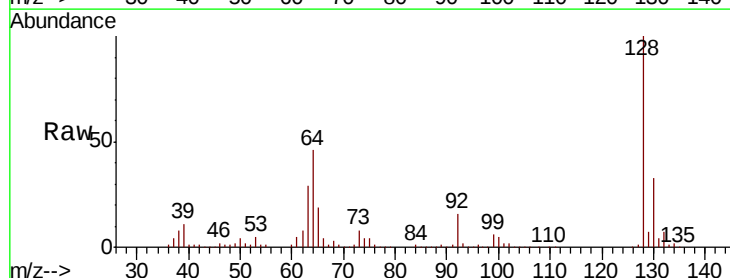
Tgt Ion: 128 Resp: 354408

Ion Ratio Lower Upper

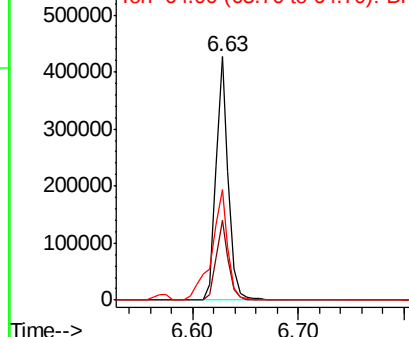
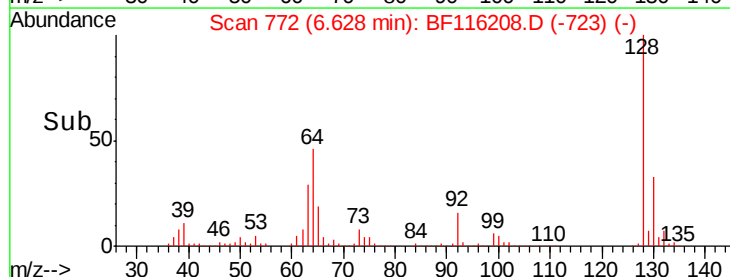
128 100

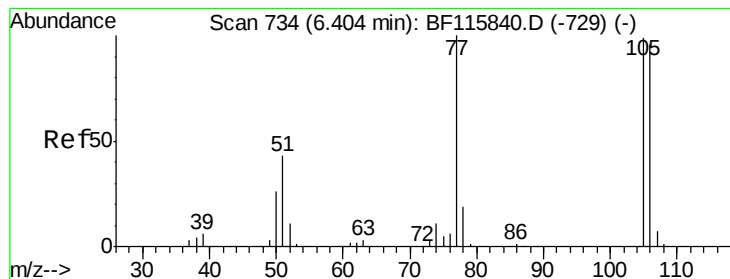
130 32.8 12.9 52.9

64 45.5 24.3 64.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 7.056 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

Instrument :

BNA_F

ClientSampleId :

2S-H1-H4-COMP-(0-1)MSD

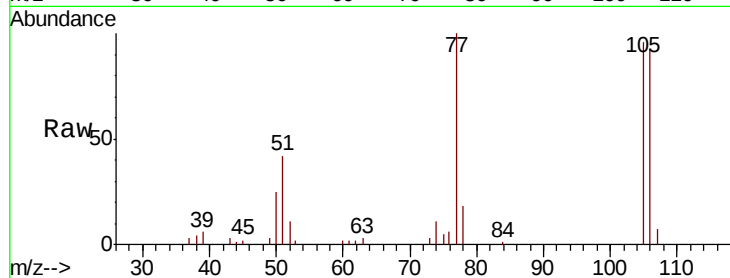
Tot Ion: 77 Resp: 44234

Ion Ratio Lower Upper

77 100

105 96.5 79.2 119.2

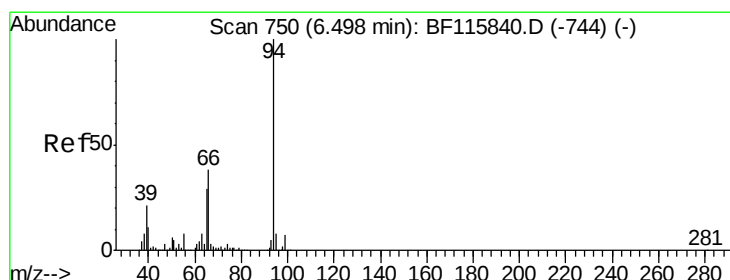
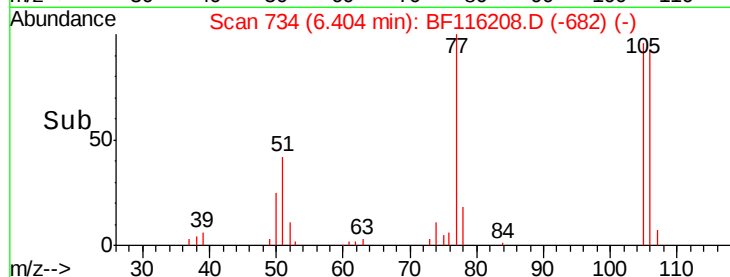
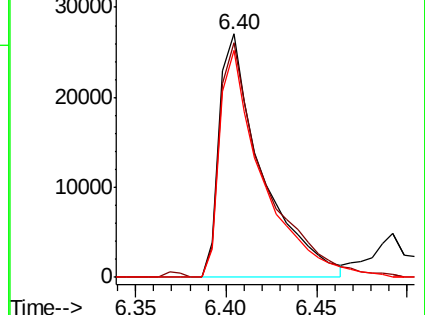
106 93.3 74.3 114.3



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 36.940 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

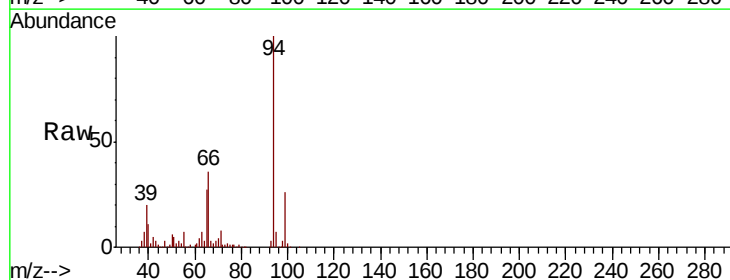
Tgt Ion: 94 Resp: 395220

Ion Ratio Lower Upper

94 100

65 27.3 16.8 56.8

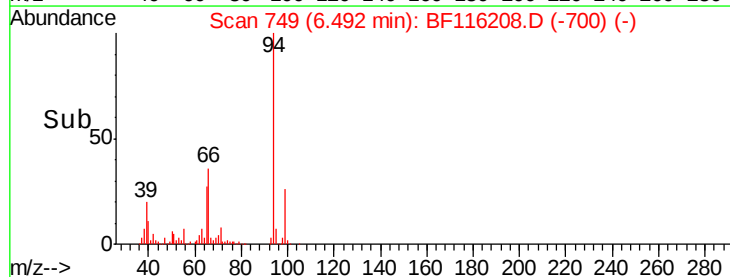
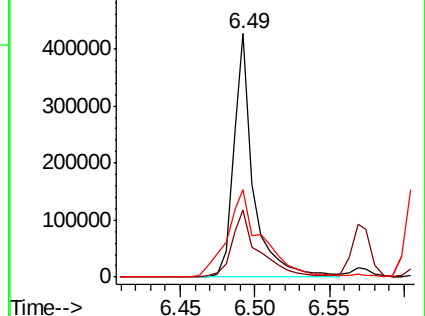
66 36.1 34.2 74.2

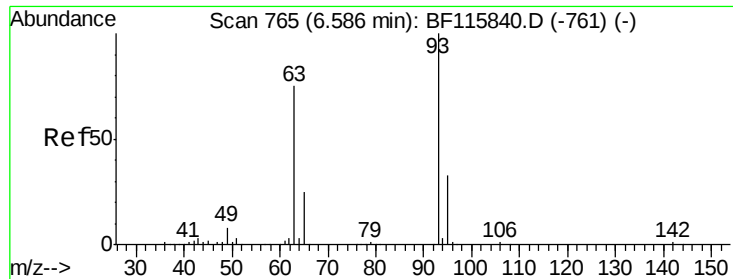


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

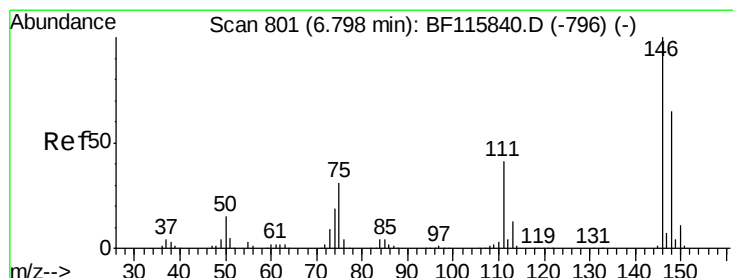
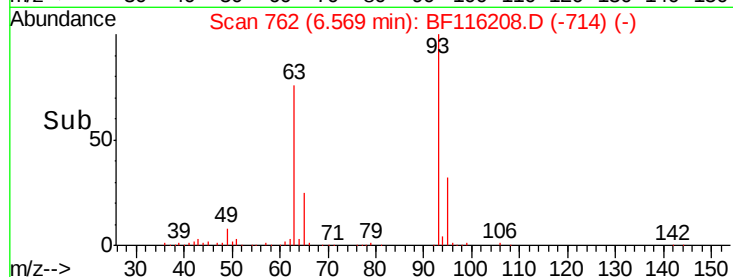
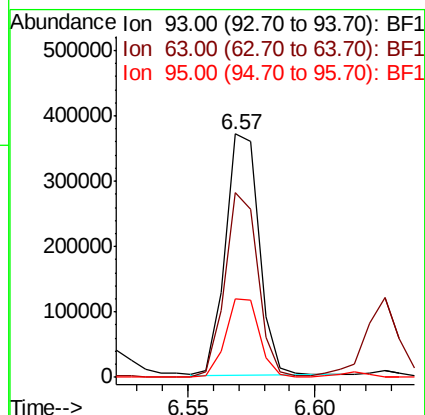
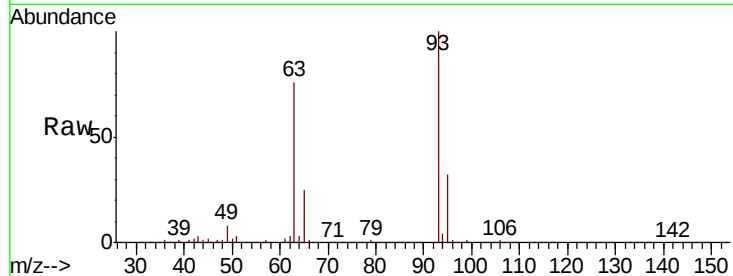




#11
bis(2-Chloroethyl)ether
Concen: 43.536 ng
RT: 6.57 min Scan# 762
Delta R.T. -0.02 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

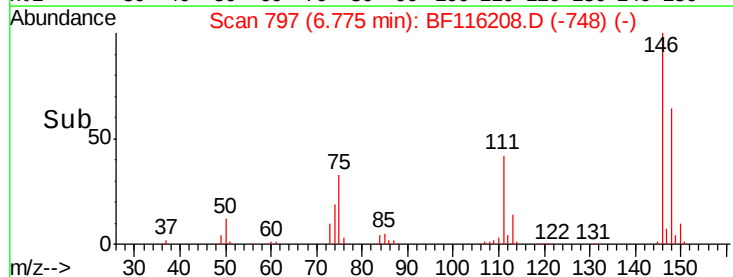
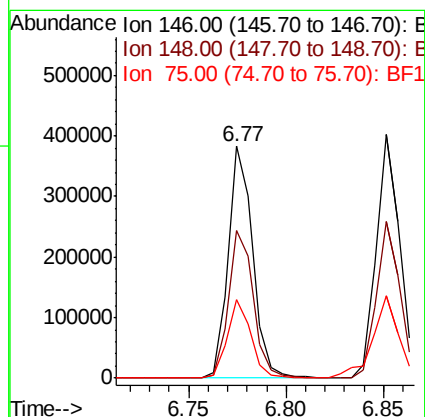
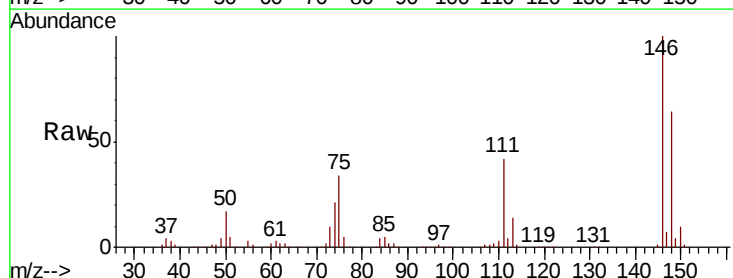
Instrument :
BNA_F
ClientSampleId :
2S-H1-H4-COMP-(0-1)MSD

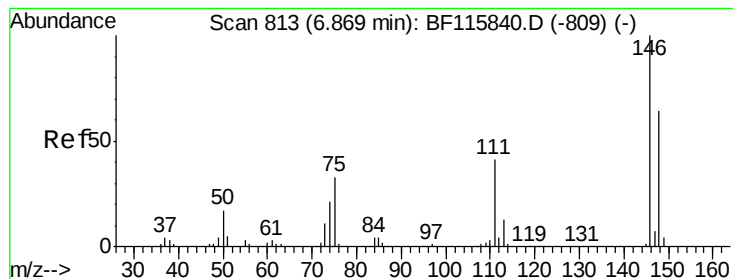
Tot Ion	Ratio	Lower	Upper
93	100		
63	76.1	51.9	91.9
95	32.5	13.0	53.0



#12
1,3-Dichlorobenzene
Concen: 36.187 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.3	76.9
75	34.0	27.4	41.2





#13

1,4-Dichlorobenzene

Concen: 37.543 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

Instrument :

BNA_F

ClientSampleId :

2S-H1-H4-COMP-(0-1)MSD

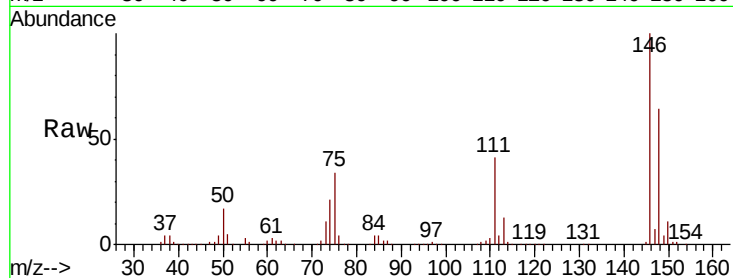
Tot Ion:146 Resp: 345933

Ion Ratio Lower Upper

146 100

148 64.4 51.3 76.9

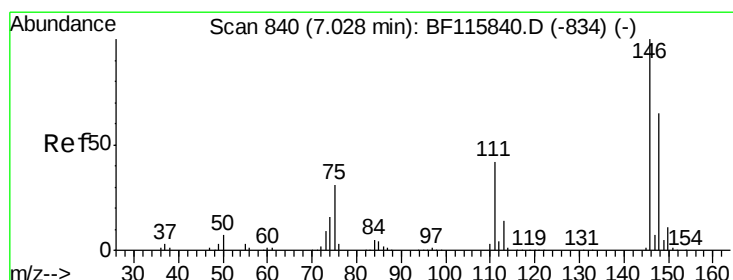
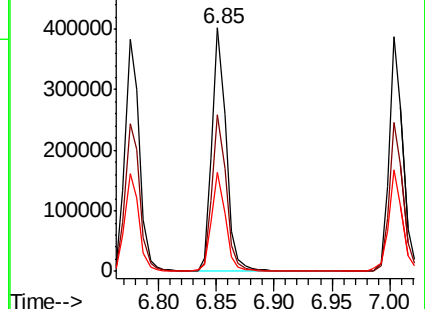
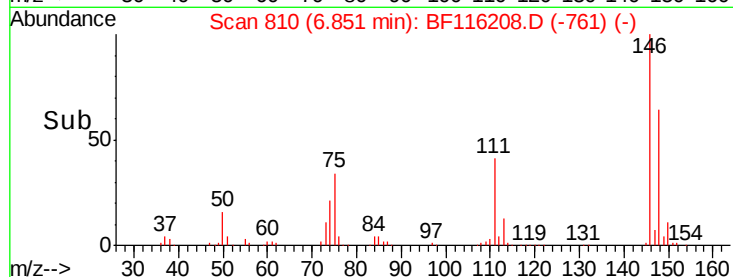
111 40.9 34.0 51.0



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 38.483 ng

RT: 7.00 min Scan# 836

Delta R.T. -0.02 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

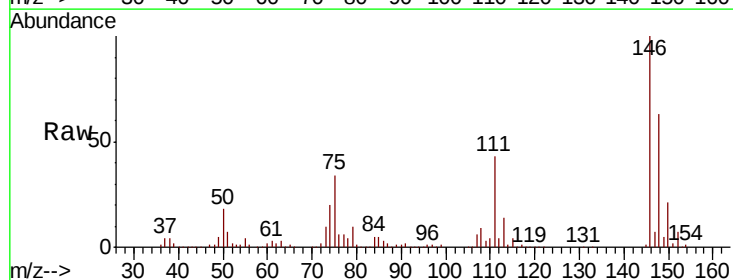
Tgt Ion:146 Resp: 326509

Ion Ratio Lower Upper

146 100

148 63.5 51.2 76.8

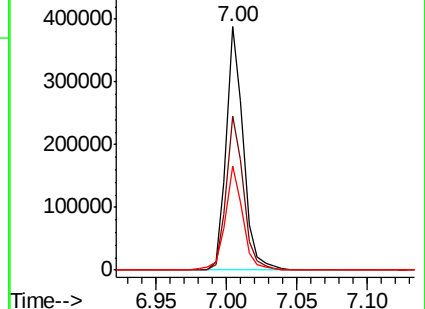
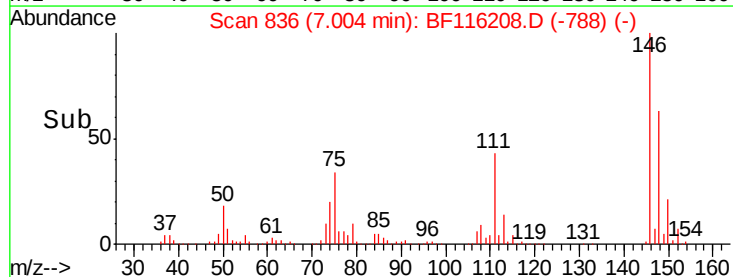
111 42.9 33.5 50.3

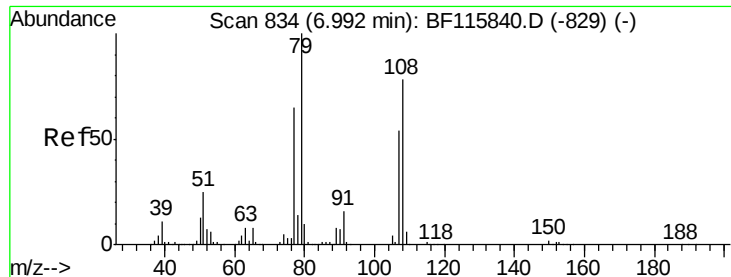


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 42.851 ng

RT: 6.99 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

Instrument :

BNA_F

ClientSampleId :

2S-H1-H4-COMP-(0-1)MSD

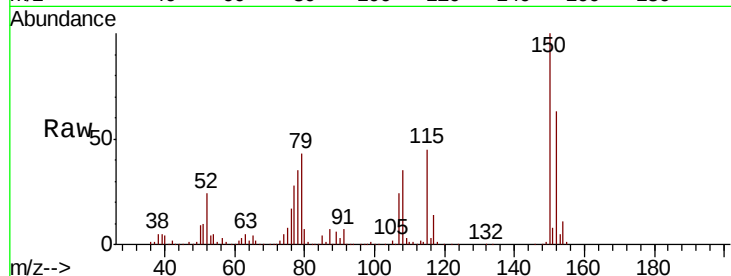
Tot Ion: 79 Resp: 295447

Ion Ratio Lower Upper

79 100

108 80.2 62.7 94.1

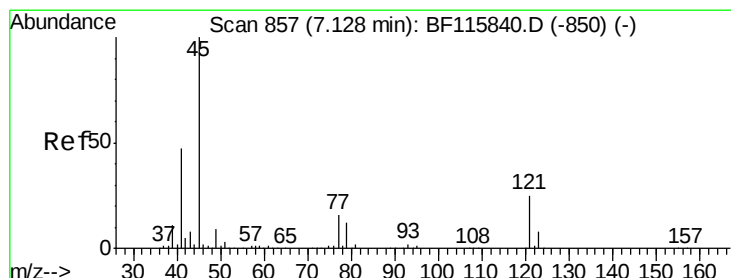
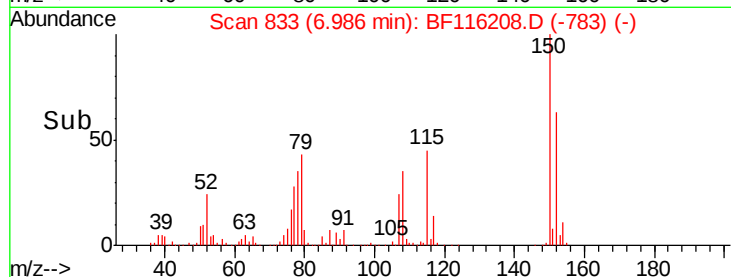
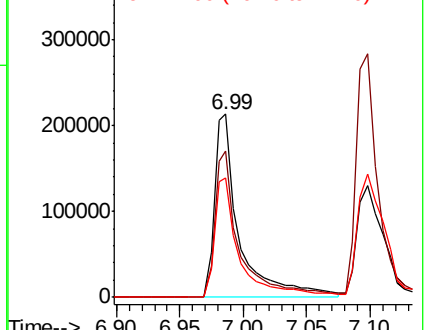
77 65.3 52.2 78.2



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.696 ng

RT: 7.11 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

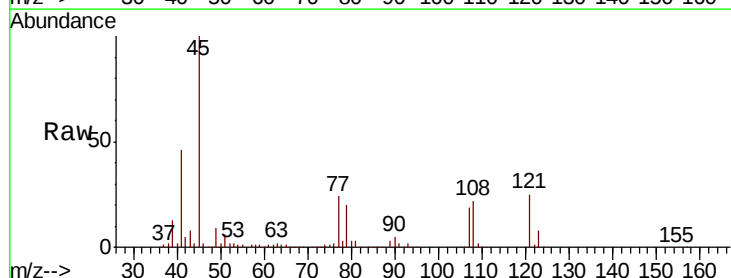
Tgt Ion: 45 Resp: 447358

Ion Ratio Lower Upper

45 100

77 24.5 0.0 40.0

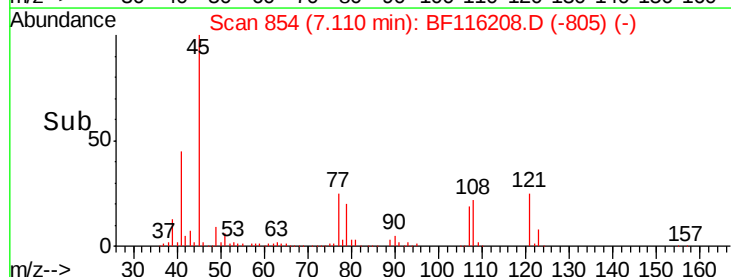
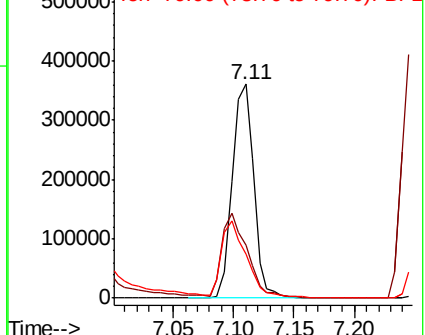
79 20.4 0.0 35.9

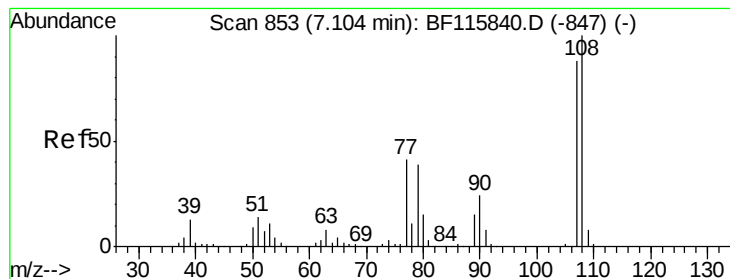


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 43.795 ng

RT: 7.10 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

Instrument :

BNA_F

ClientSampleId :

2S-H1-H4-COMP-(0-1)MSD

Tot Ion:107 Resp: 295290

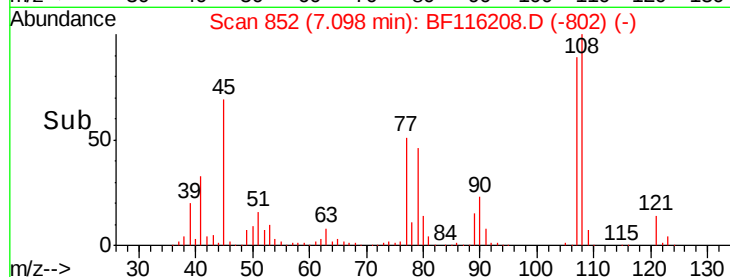
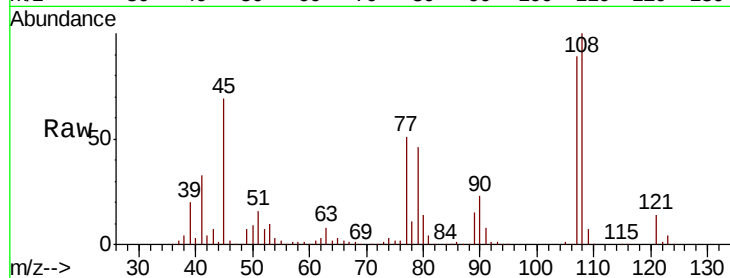
Ion Ratio Lower Upper

107 100

108 112.6 91.2 136.8

77 57.3 40.3 60.5

79 51.5 37.6 56.4

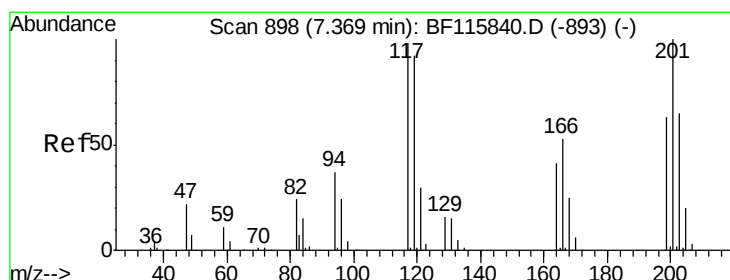
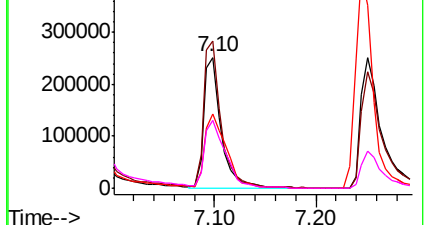


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 35.720 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

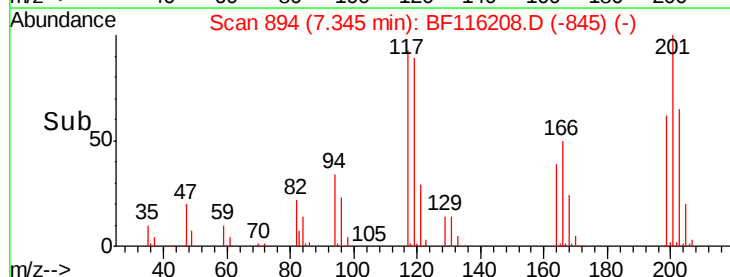
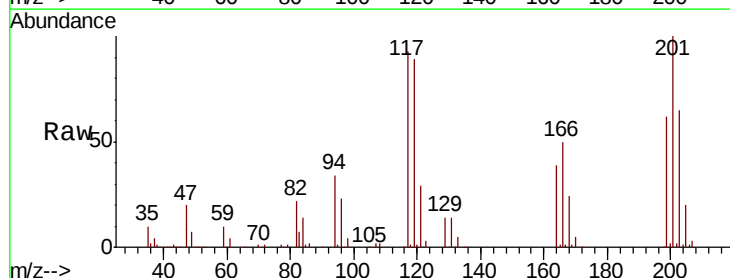
Tgt Ion:117 Resp: 121179

Ion Ratio Lower Upper

117 100

119 95.8 76.1 114.1

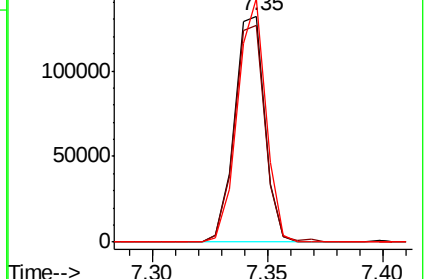
201 107.7 77.0 115.4

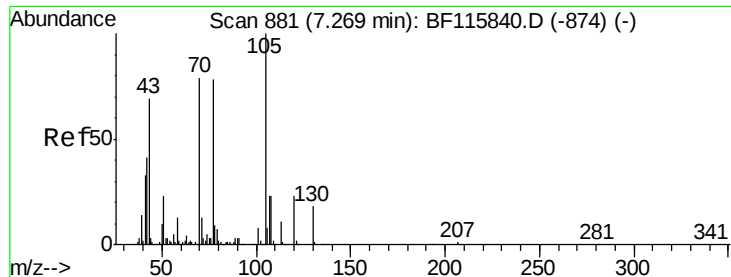


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

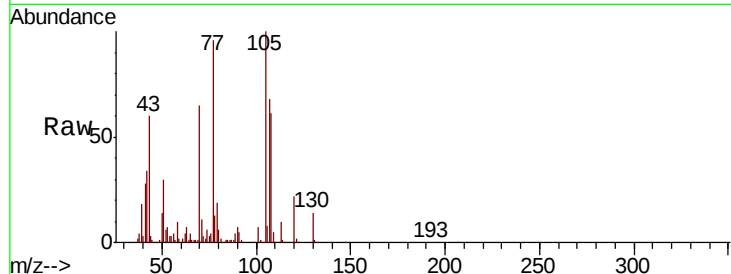




#19
n-Nitroso-di-n-propylamine
Concen: 44.087 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.02 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

Instrument :
BNA_F
ClientSampleId :
2S-H1-H4-COMP-(0-1)MSD

Tot Ion:	70	Resp:	248210
Ion	Ratio	Lower	Upper
70	100		
42	52.1	40.9	61.3
101	10.0	7.9	11.9
130	22.1	16.9	25.3



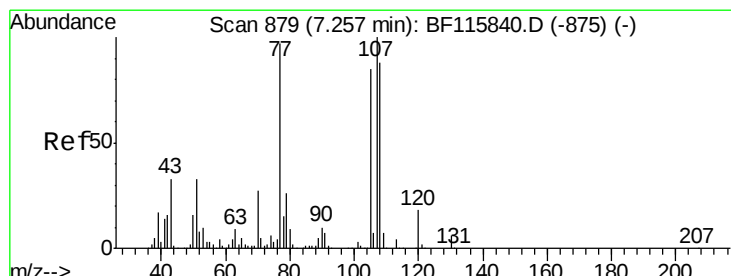
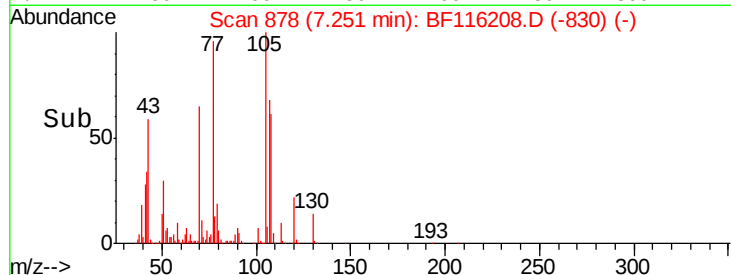
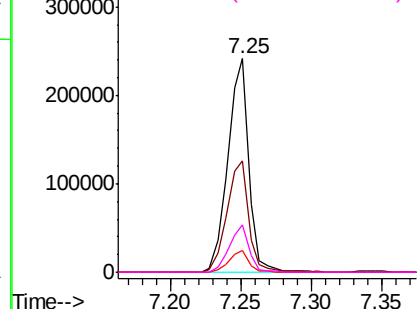
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

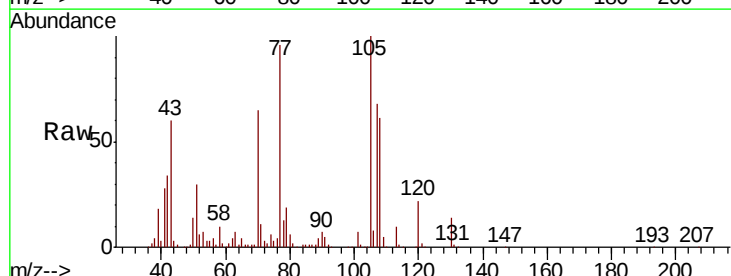
Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20
3+4-Methylphenols
Concen: 45.941 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

Tgt Ion:	107	Resp:	366561
Ion	Ratio	Lower	Upper
107	100		
108	89.0	67.6	107.6
77	140.2	104.4	144.4
79	28.4	7.4	47.4



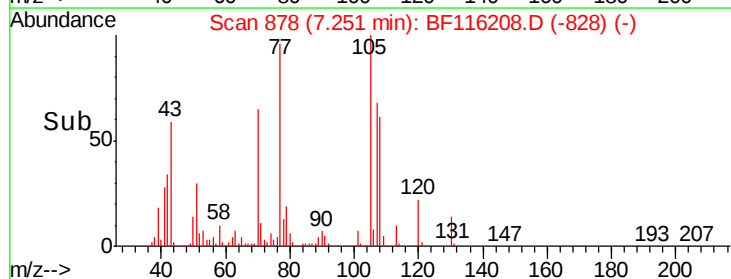
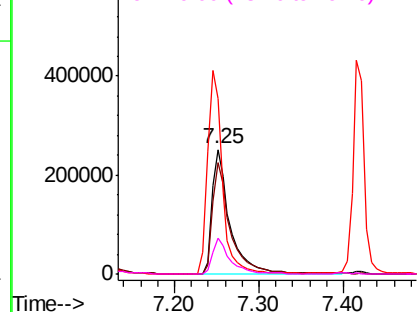
Abundance

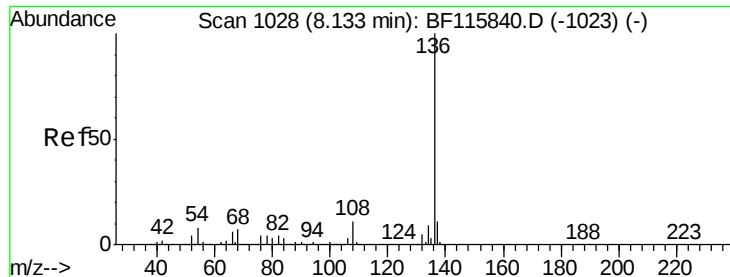
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

Instrument :

BNA_F

ClientSampleId :

2S-H1-H4-COMP-(0-1)MSD

Tot Ion:136 Resp: 470521

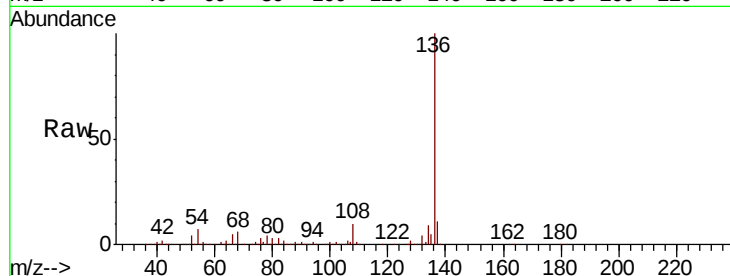
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 6.6 5.8 8.6

68 6.1 5.2 7.8

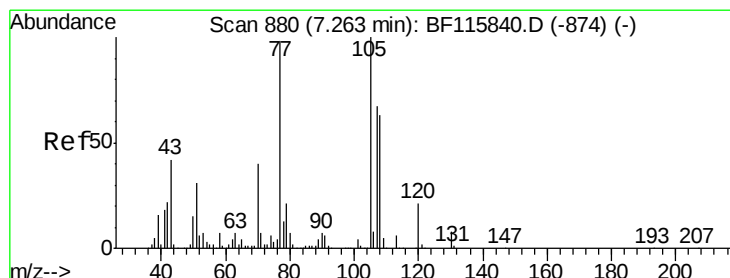
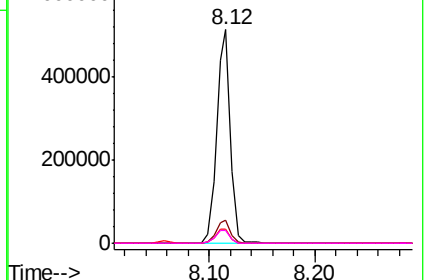
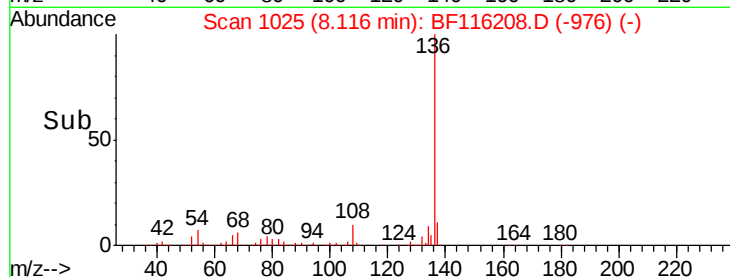


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 47.952 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.02 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

Tgt Ion:105 Resp: 494827

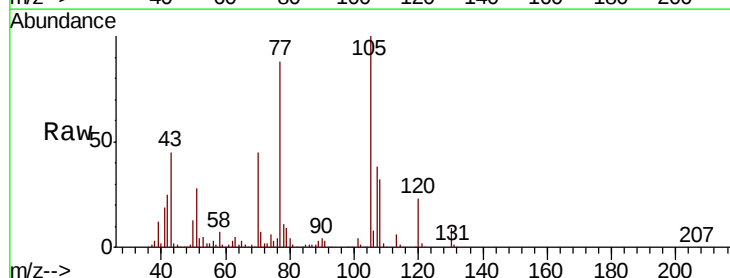
Ion Ratio Lower Upper

105 100

71 7.4 5.9 8.9

51 27.7 25.3 37.9

120 22.8 17.9 26.9

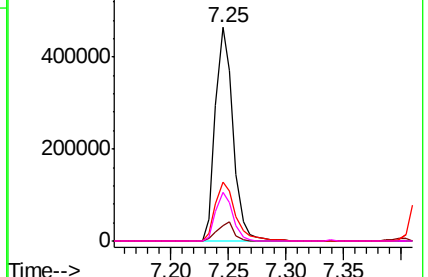
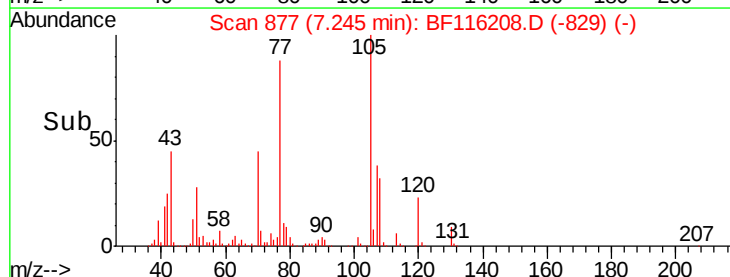


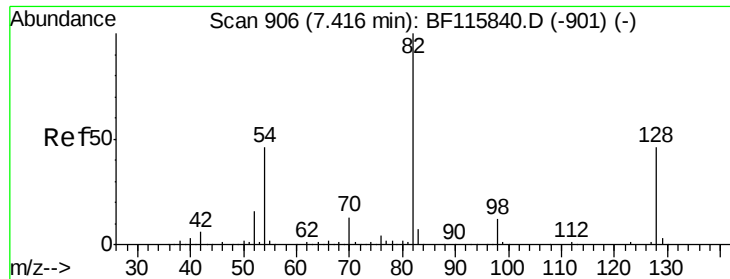
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

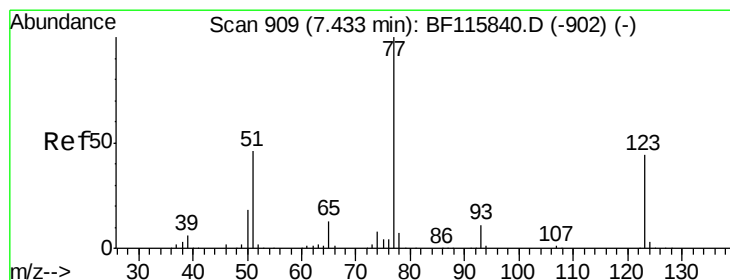
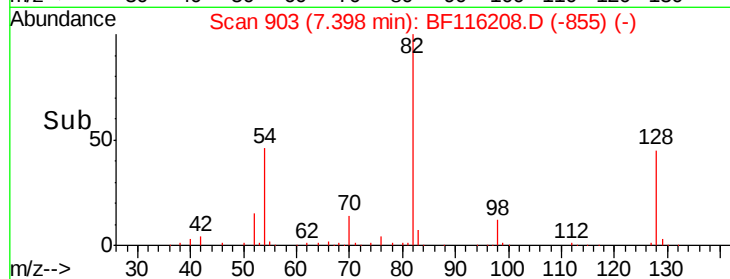
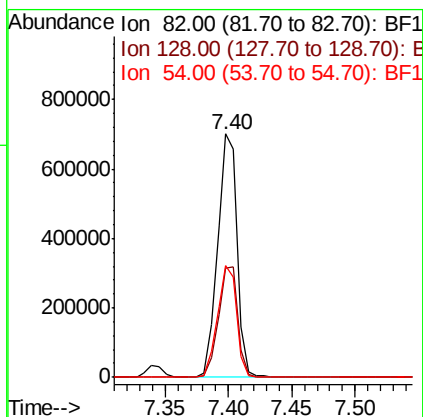
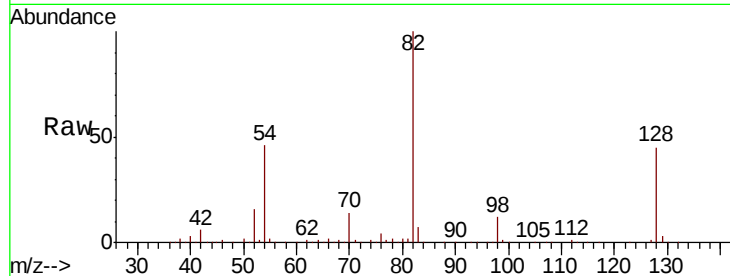




#23
 Nitrobenzene-d5
 Concen: 92.874 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.02 min
 Lab File: BF116208.D
 Acq: 13 Aug 2019 00:08

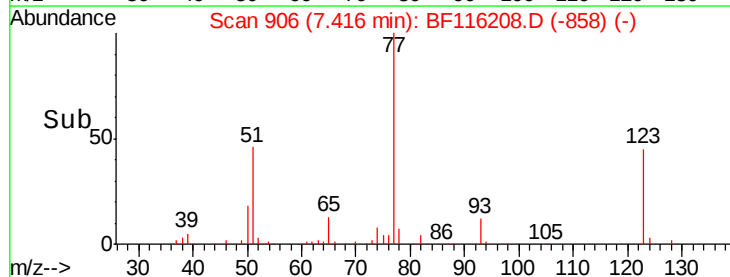
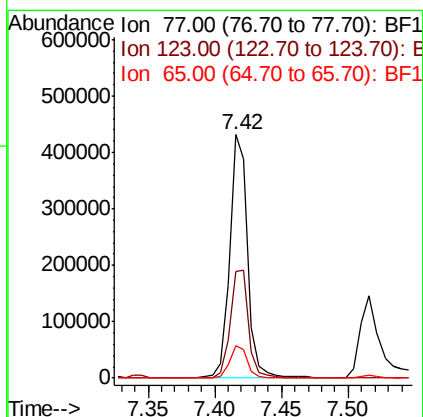
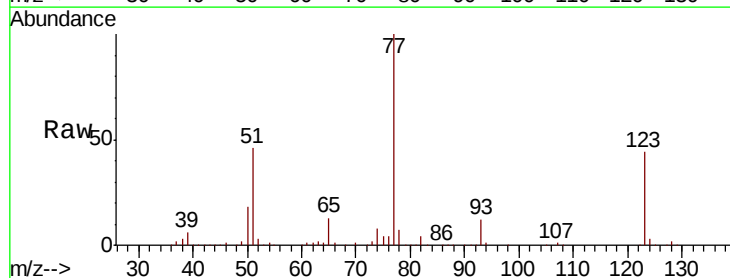
Instrument :
 BNA_F
 ClientSampleId :
 2S-H1-H4-COMP-(0-1)MSD

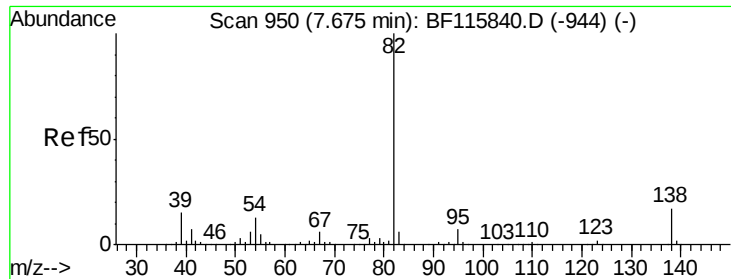
Tot Ion: 82 Resp: 757045
 Ion Ratio Lower Upper
 82 100
 128 45.1 36.5 54.7
 54 45.8 36.0 54.0



#24
 Nitrobenzene
 Concen: 46.110 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.02 min
 Lab File: BF116208.D
 Acq: 13 Aug 2019 00:08

Tgt Ion: 77 Resp: 405837
 Ion Ratio Lower Upper
 77 100
 123 44.1 36.7 55.1
 65 13.3 10.6 16.0





#25

Isophorone

Concen: 47.412 ng

RT: 7.66 min Scan# 947

Delta R.T. -0.02 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

Instrument :

BNA_F

ClientSampleId :

2S-H1-H4-COMP-(0-1)MSD

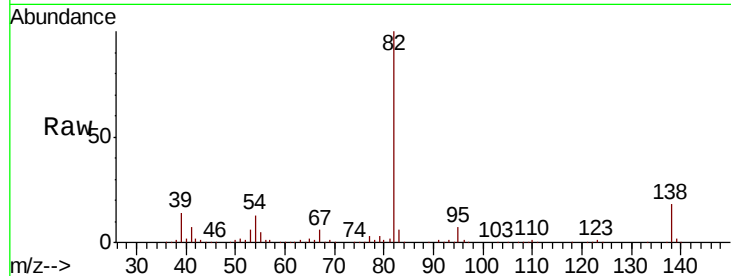
Tot Ion: 82 Resp: 739000

Ion Ratio Lower Upper

82 100

95 6.6 5.4 8.0

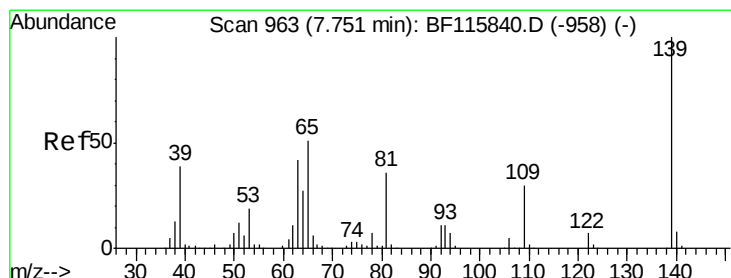
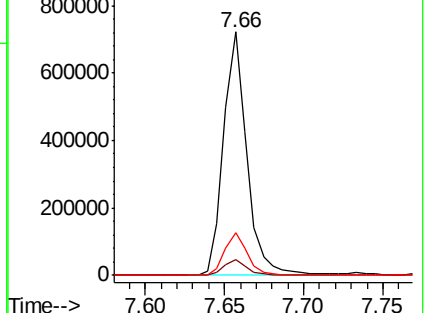
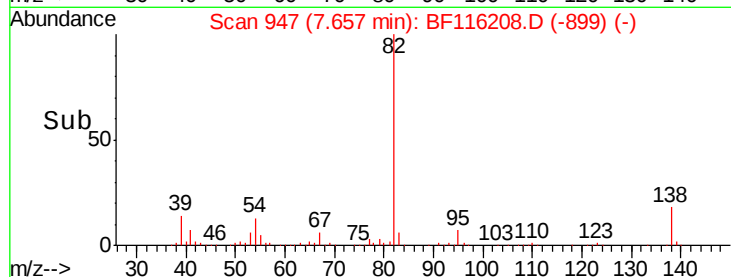
138 17.5 14.5 21.7



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 48.223 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

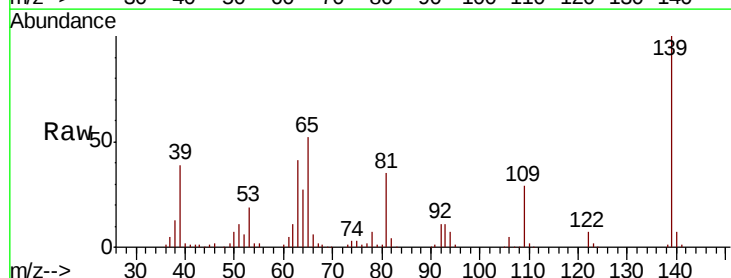
Tgt Ion: 139 Resp: 200072

Ion Ratio Lower Upper

139 100

109 28.7 23.4 35.2

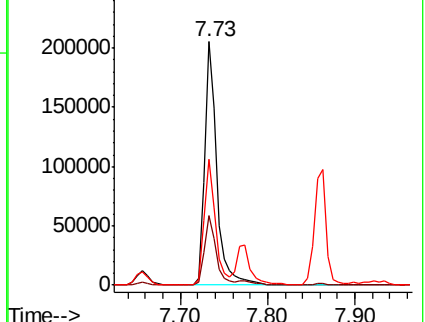
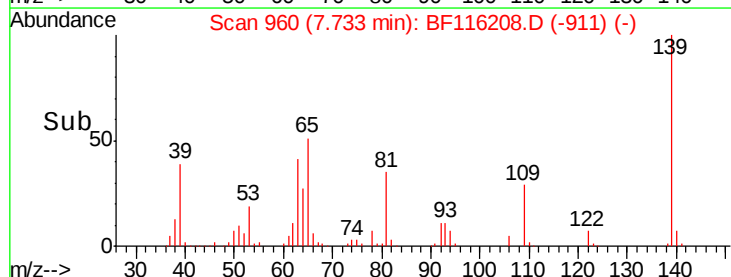
65 51.6 41.1 61.7

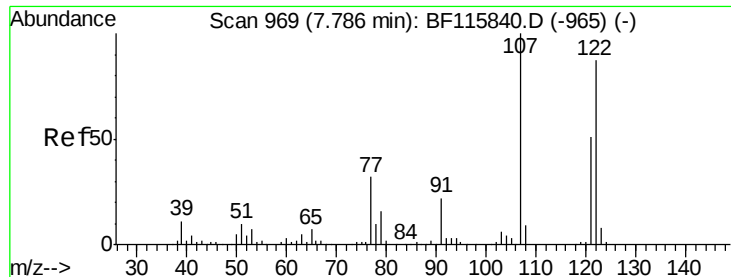


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 52.610 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

Instrument :

BNA_F

ClientSampleId :

2S-H1-H4-COMP-(0-1)MSD

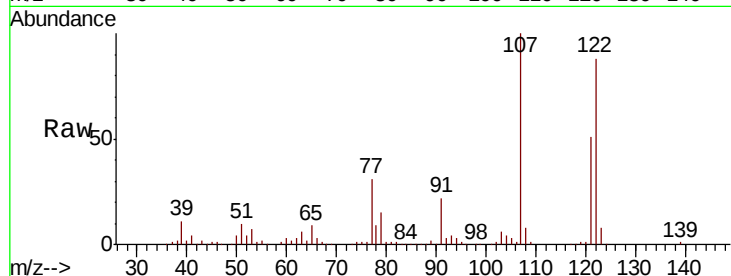
Tot Ion:122 Resp: 328391

Ion Ratio Lower Upper

122 100

107 113.8 93.0 139.6

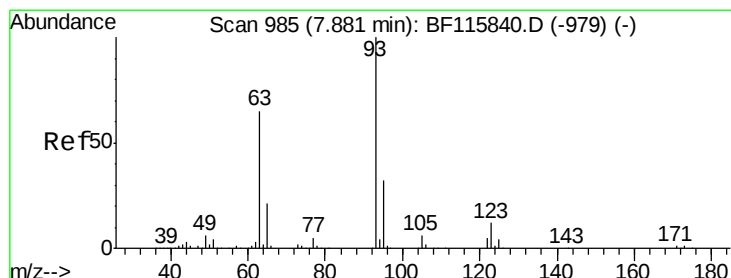
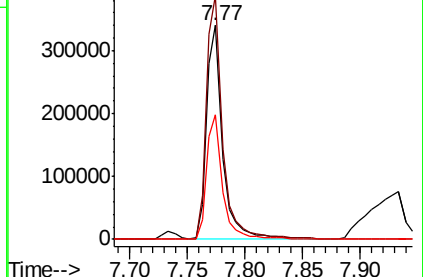
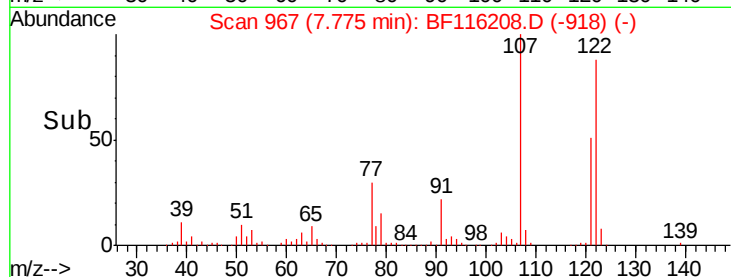
121 58.1 47.6 71.4



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 47.040 ng

RT: 7.86 min Scan# 982

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

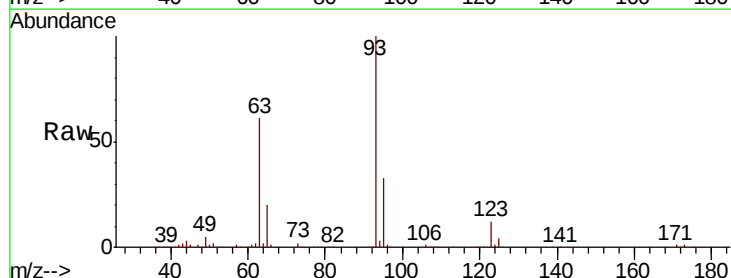
Tgt Ion: 93 Resp: 454443

Ion Ratio Lower Upper

93 100

95 32.8 26.2 39.4

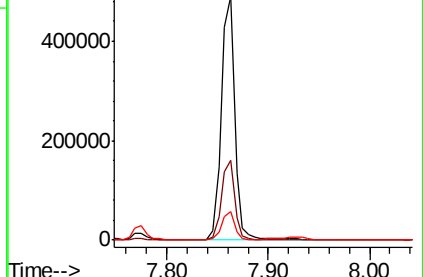
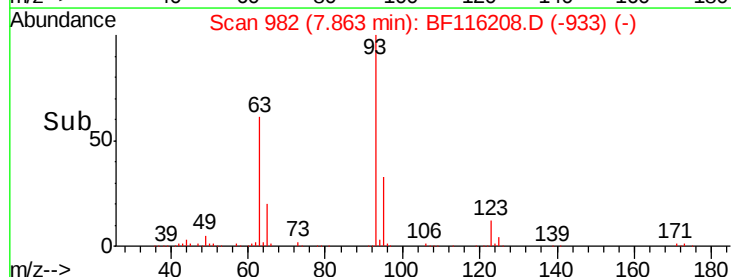
123 11.7 9.2 13.8

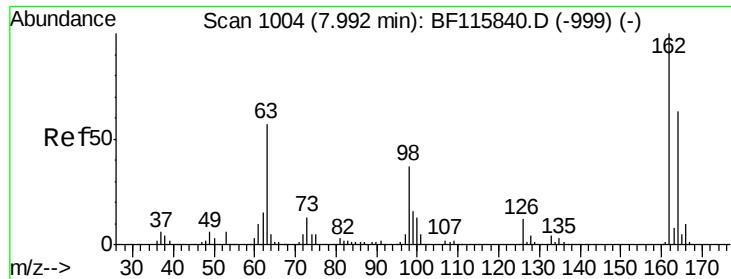


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

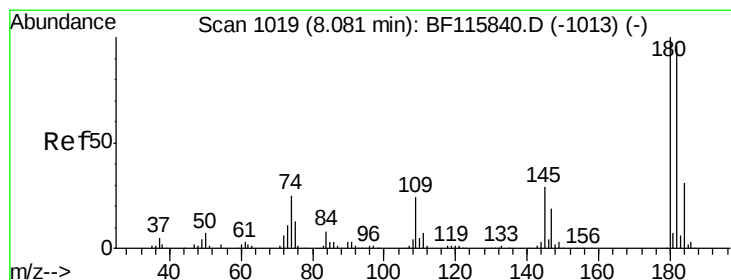
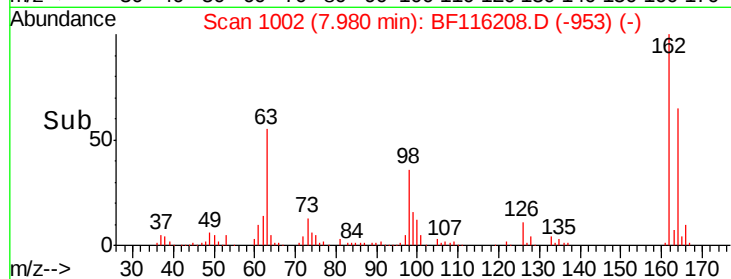
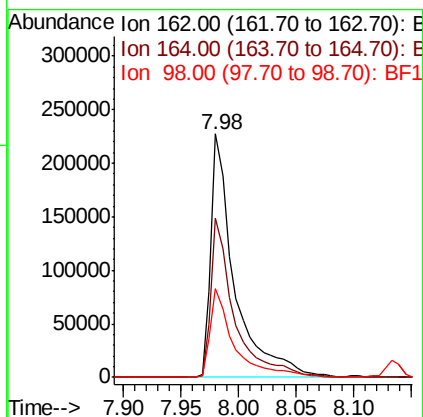
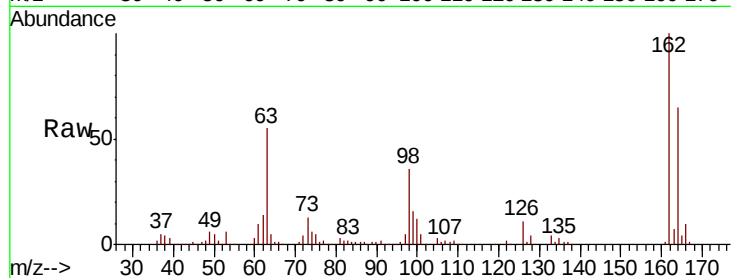




#29
 2,4-Dichlorophenol
 Concen: 49.257 ng
 RT: 7.98 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BF116208.D
 Acq: 13 Aug 2019 00:08

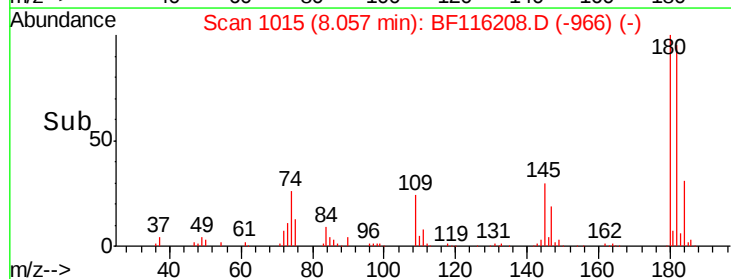
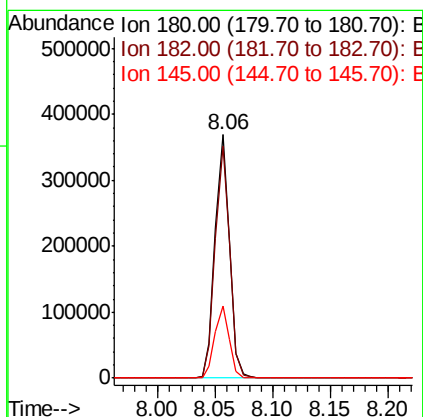
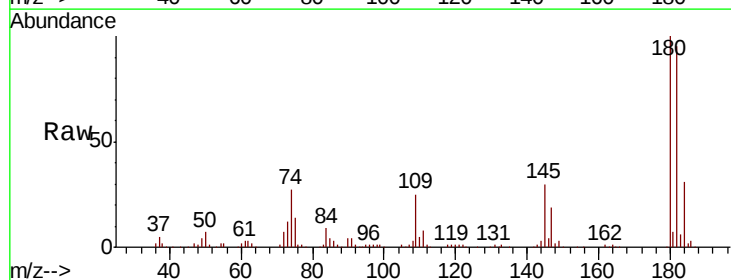
Instrument :
 BNA_F
 ClientSampleId :
 2S-H1-H4-COMP-(0-1)MSD

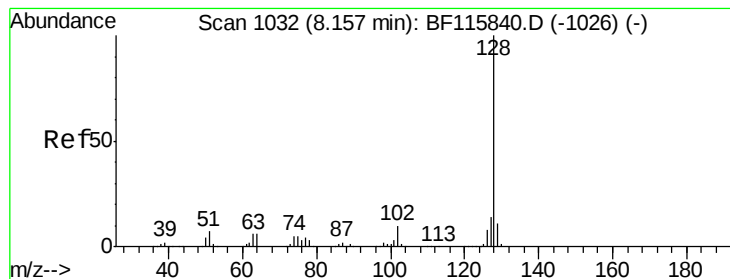
Tot Ion:162 Resp: 324634
 Ion Ratio Lower Upper
 162 100
 164 65.2 45.1 85.1
 98 36.4 15.8 55.8



#30
 1,2,4-Trichlorobenzene
 Concen: 43.120 ng
 RT: 8.06 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: BF116208.D
 Acq: 13 Aug 2019 00:08

Tgt Ion:180 Resp: 323951
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.7 113.5
 145 29.6 24.3 36.5





#31

Naphthalene

Concen: 46.457 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.02 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

Instrument :

BNA_F

ClientSampleId :

2S-H1-H4-COMP-(0-1)MSD

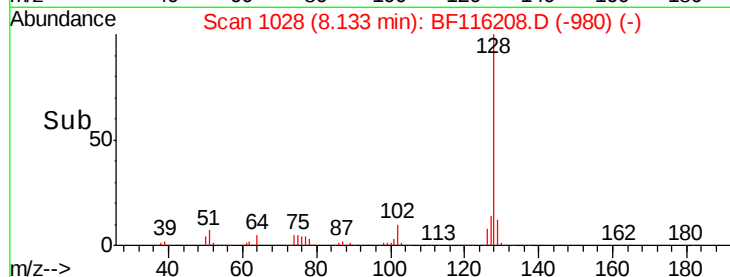
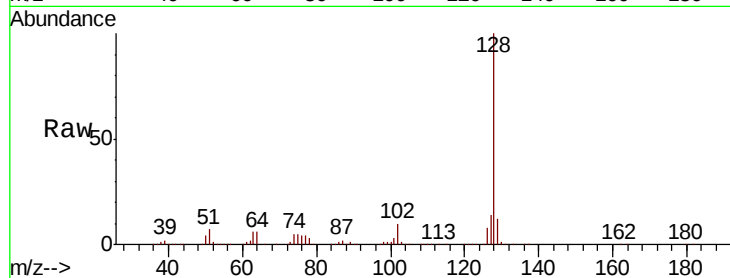
Tot Ion:128 Resp: 1028640

Ion Ratio Lower Upper

128 100

129 11.6 9.3 13.9

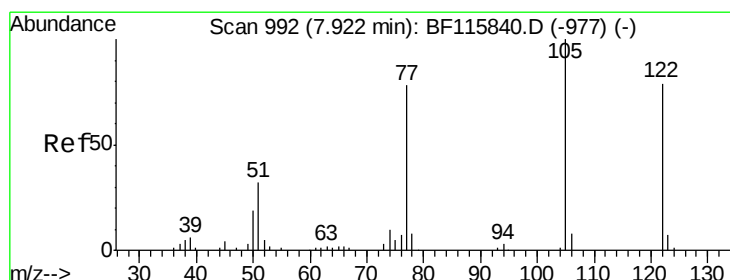
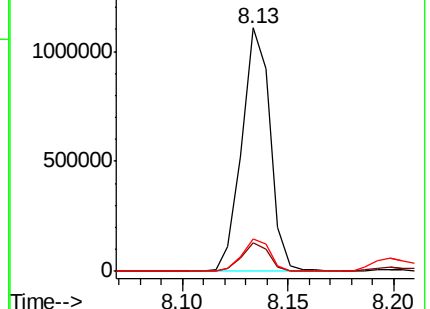
127 13.5 11.4 17.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 40.031 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

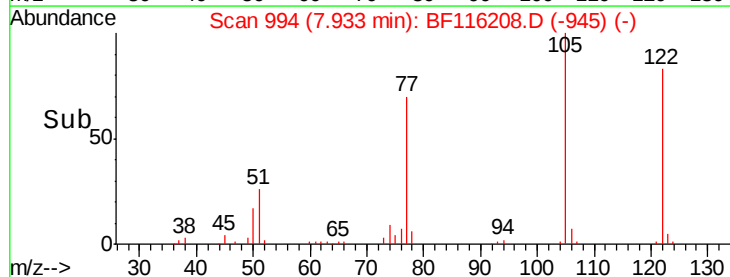
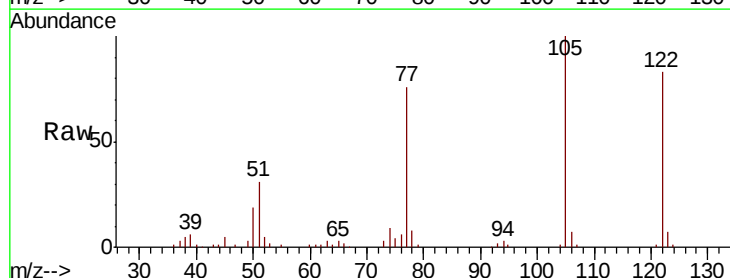
Tgt Ion:122 Resp: 176168

Ion Ratio Lower Upper

122 100

105 121.1 106.1 146.1

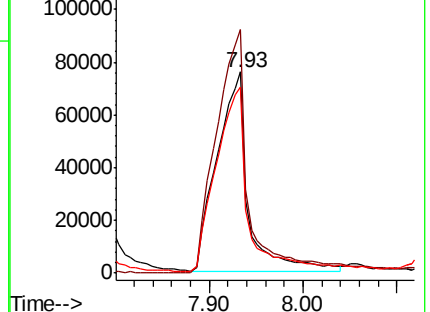
77 92.6 76.7 116.7

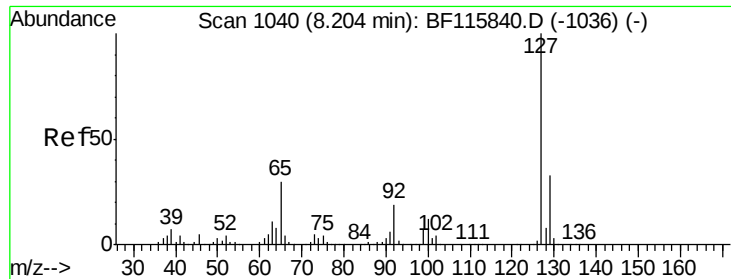


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

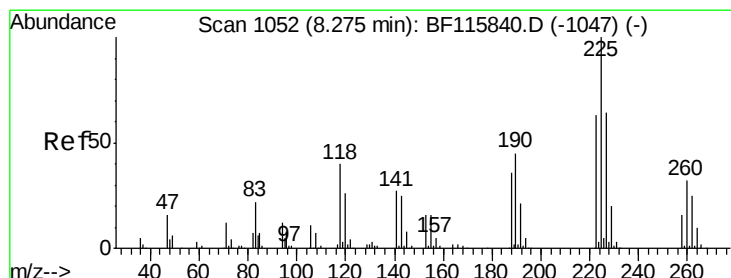
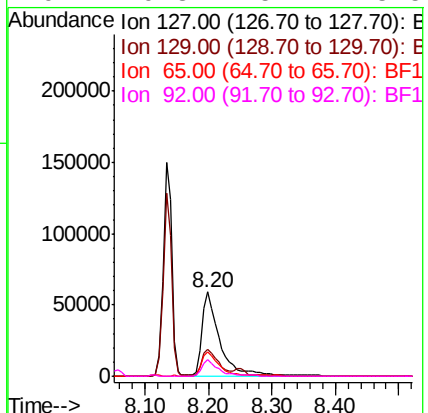
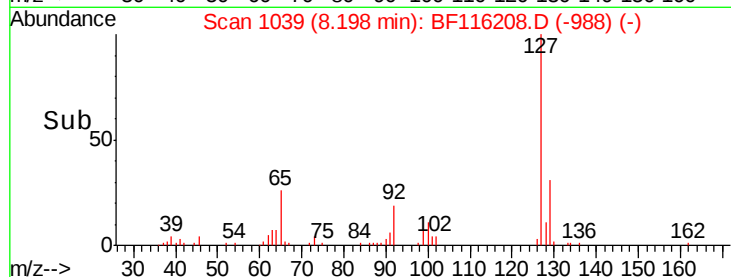
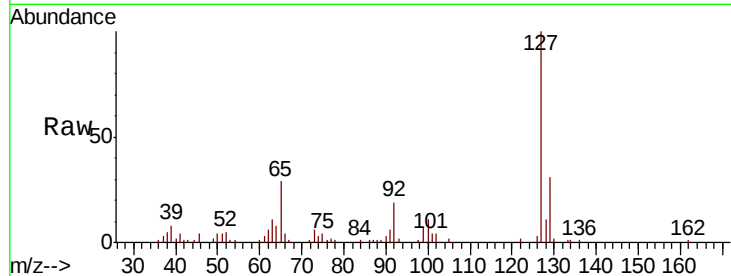




#33
4-Chloroaniline
Concen: 11.839 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

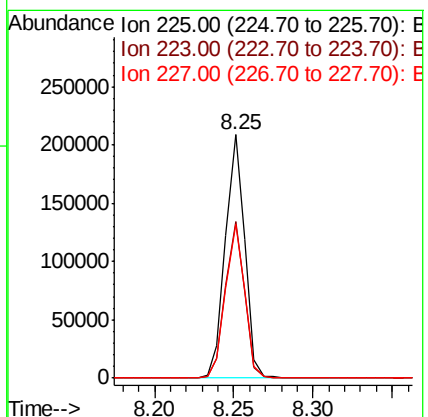
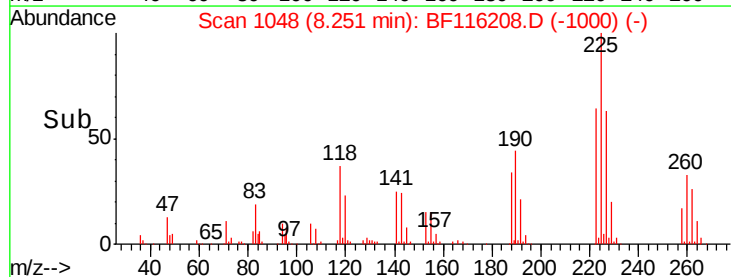
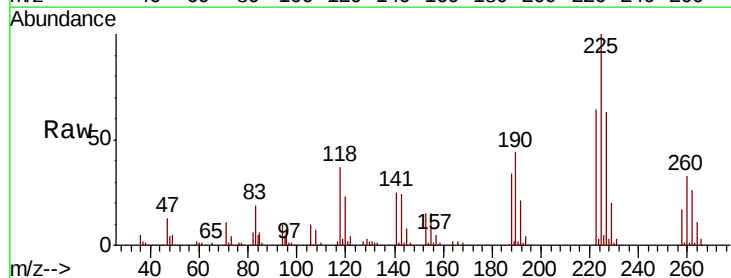
Instrument :
BNA_F
ClientSampleId :
2S-H1-H4-COMP-(0-1)MSD

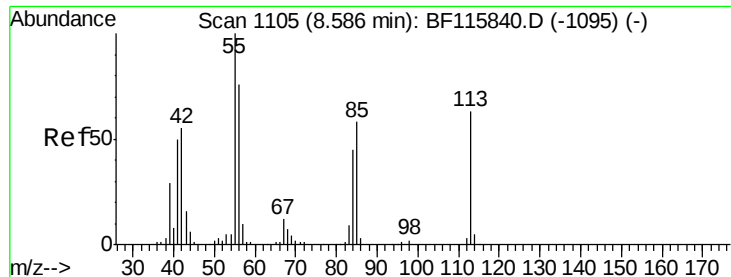
Tot Ion:	127	Resp:	117120
Ion	Ratio	Lower	Upper
127	100		
129	31.2	26.1	39.1
65	29.5	24.9	37.3
92	19.3	15.7	23.5



#34
Hexachlorobutadiene
Concen: 40.883 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

Tgt Ion:	225	Resp:	176911
Ion	Ratio	Lower	Upper
225	100		
223	64.2	50.0	75.0
227	63.5	51.0	76.4





#35

Caprolactam

Concen: 13.105 ng

RT: 8.57 min Scan# 1102

Delta R.T. -0.02 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

Instrument :

BNA_F

ClientSampleId :

2S-H1-H4-COMP-(0-1)MSD

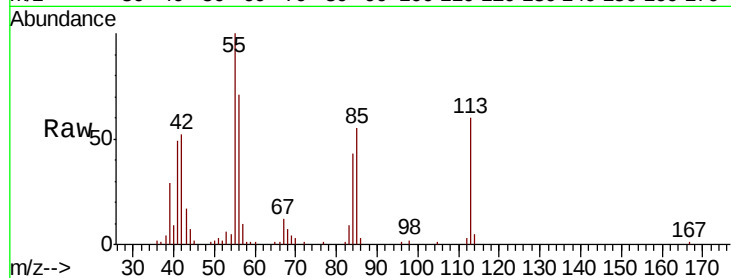
Tot Ion:113 Resp: 27935

Ion Ratio Lower Upper

113 100

55 166.0 144.3 184.3

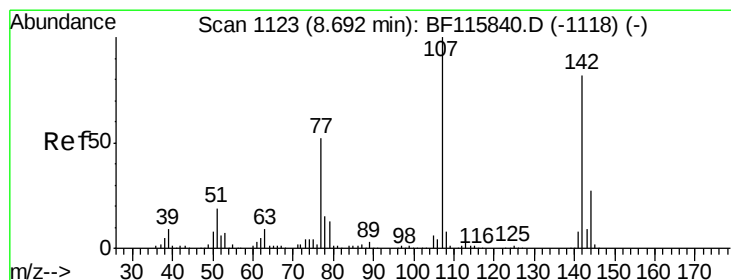
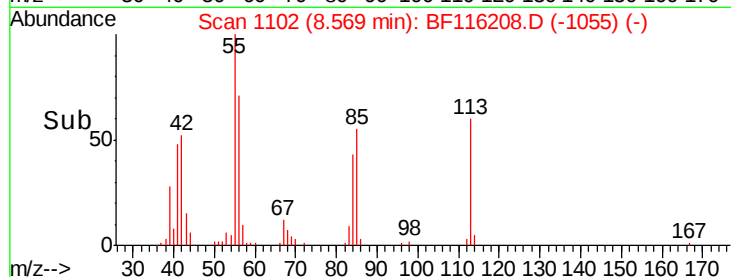
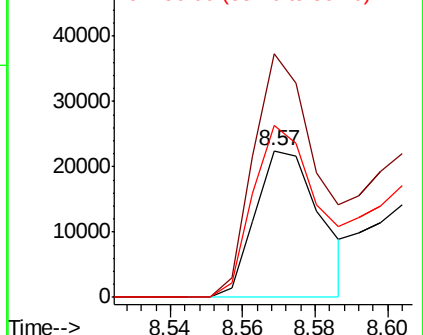
56 117.3 97.1 137.1



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 50.374 ng

RT: 8.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

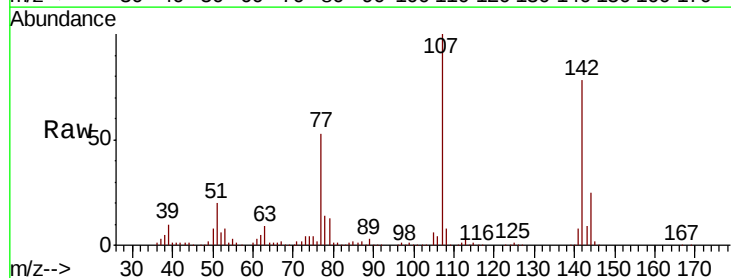
Tgt Ion:107 Resp: 345380

Ion Ratio Lower Upper

107 100

144 24.8 20.2 30.2

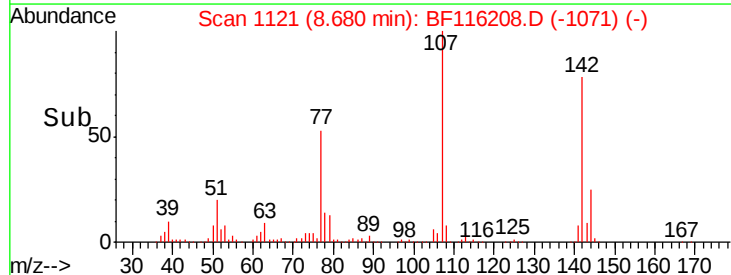
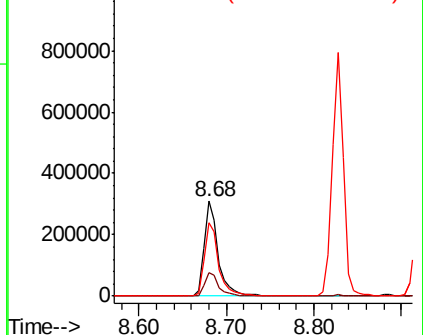
142 78.0 61.7 92.5

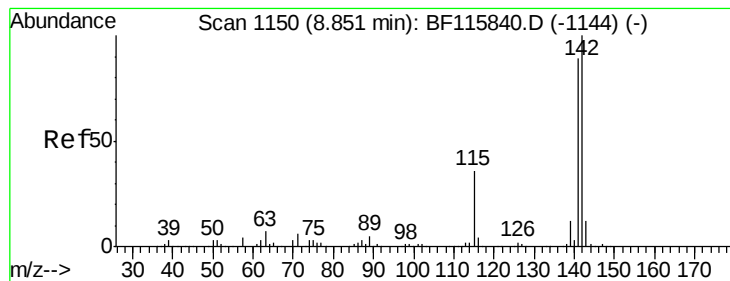


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

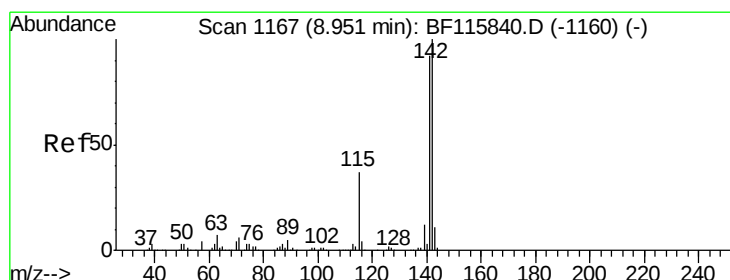
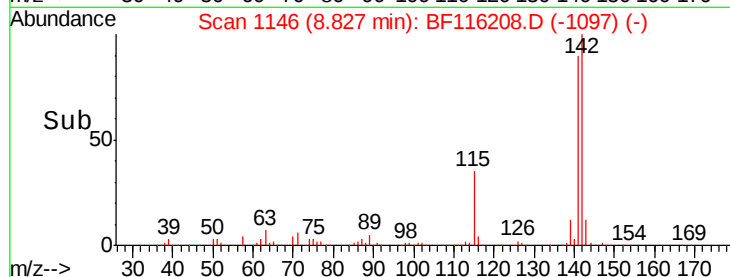
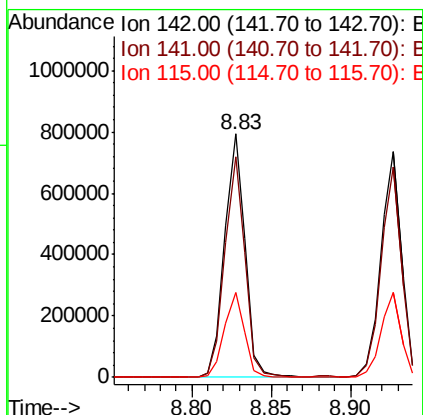
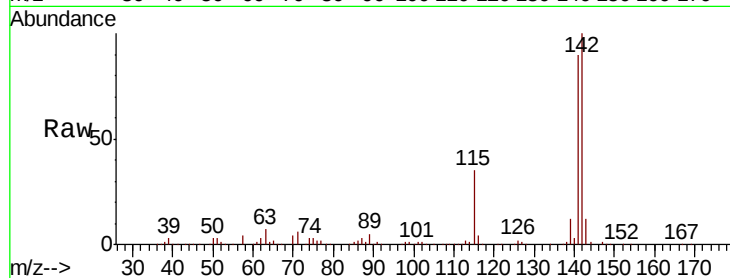




#37
2-Methylnaphthalene
Concen: 48.533 ng
RT: 8.83 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

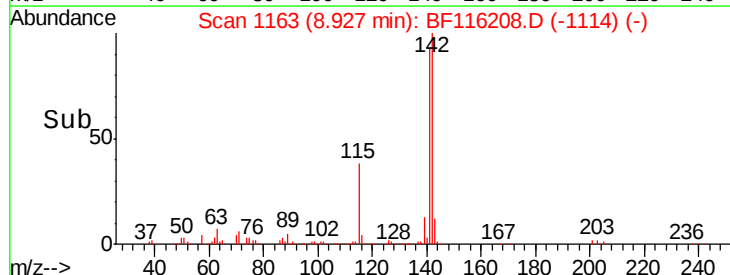
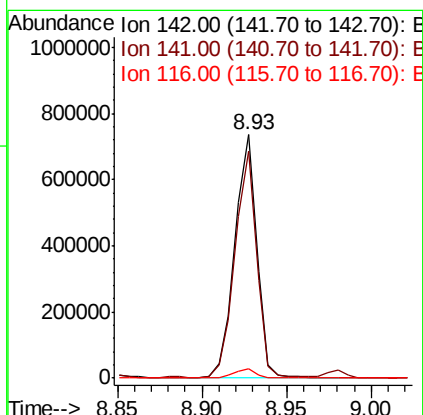
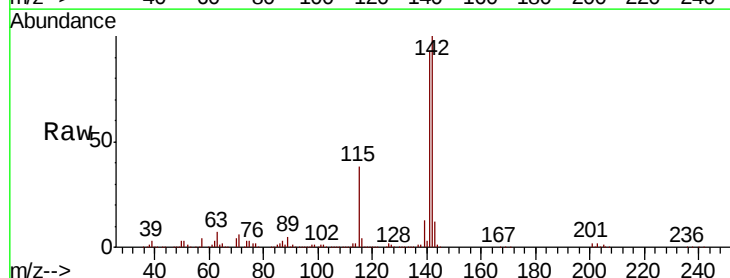
Instrument :
BNA_F
ClientSampleId :
2S-H1-H4-COMP-(0-1)MSD

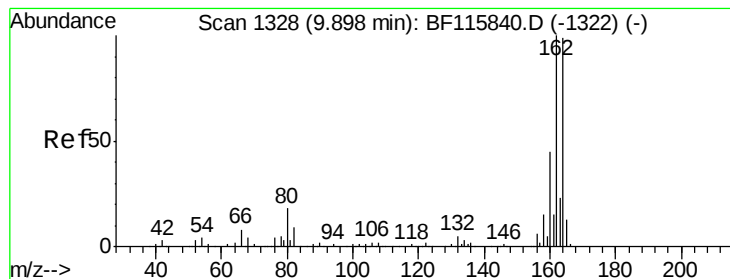
Tot Ion:142 Resp: 707722
Ion Ratio Lower Upper
142 100
141 90.4 70.9 106.3
115 35.0 29.0 43.6



#38
1-Methylnaphthalene
Concen: 47.873 ng
RT: 8.93 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

Tgt Ion:142 Resp: 660432
Ion Ratio Lower Upper
142 100
141 93.1 74.4 111.6
116 3.9 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

Instrument :

BNA_F

ClientSampleId :

2S-H1-H4-COMP-(0-1)MSD

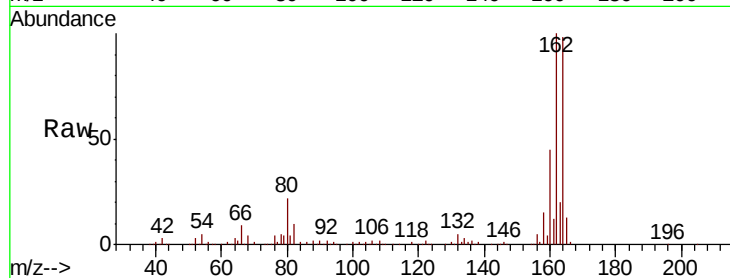
Tot Ion:164 Resp: 261017

Ion Ratio Lower Upper

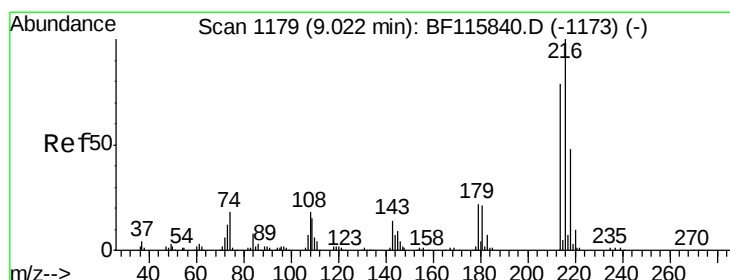
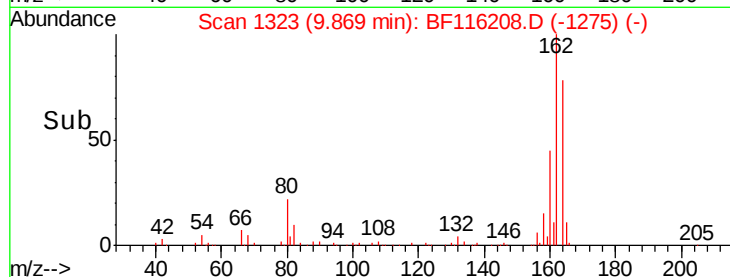
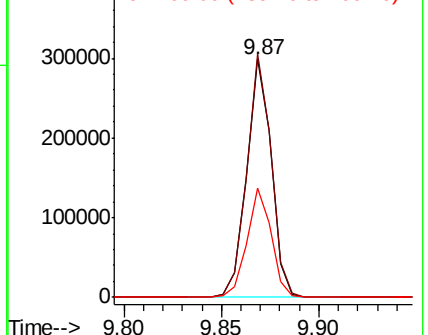
164 100

162 102.2 82.6 124.0

160 45.8 37.6 56.4



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.066 ng

RT: 9.00 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

Tgt Ion:216 Resp: 321448

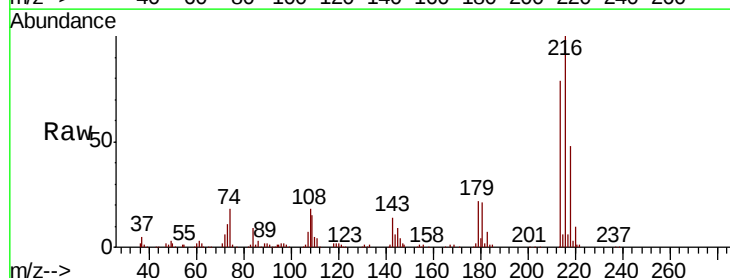
Ion Ratio Lower Upper

216 100

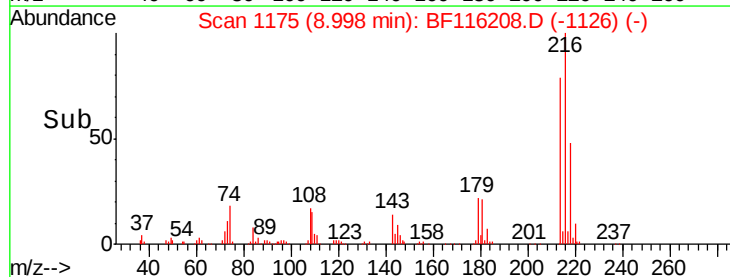
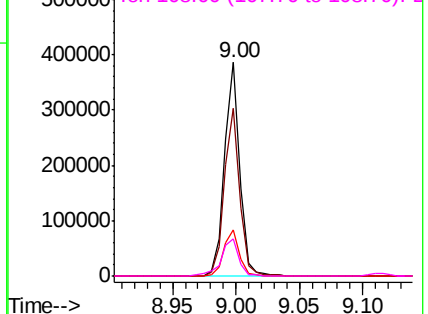
214 79.1 63.6 95.4

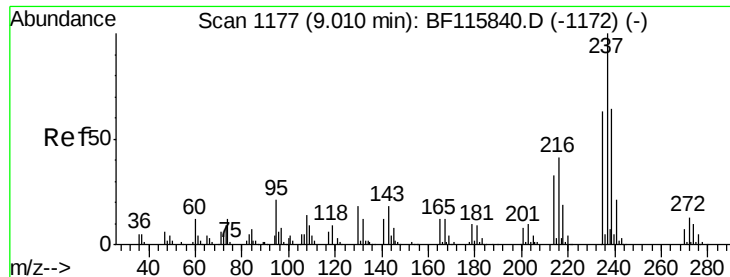
179 22.0 17.8 26.8

108 20.5 16.5 24.7



Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 47.335 ng

RT: 8.98 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

Instrument :

BNA_F

ClientSampleId :

2S-H1-H4-COMP-(0-1)MSD

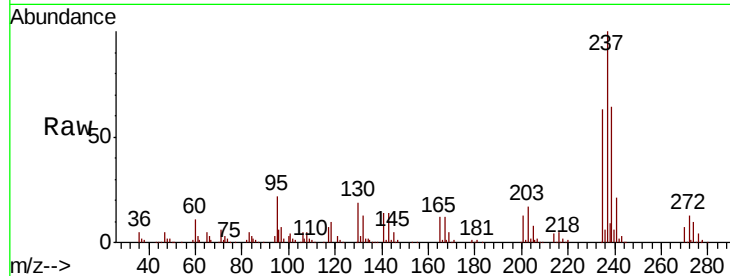
Tot Ion:237 Resp: 140104

Ion Ratio Lower Upper

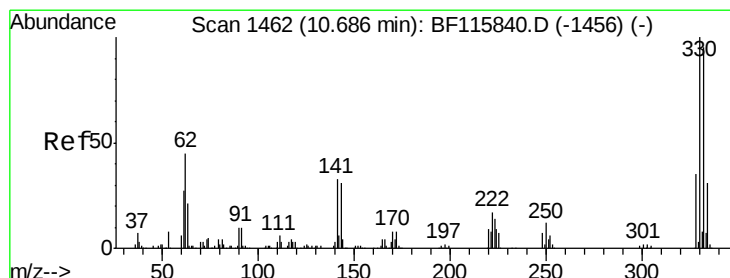
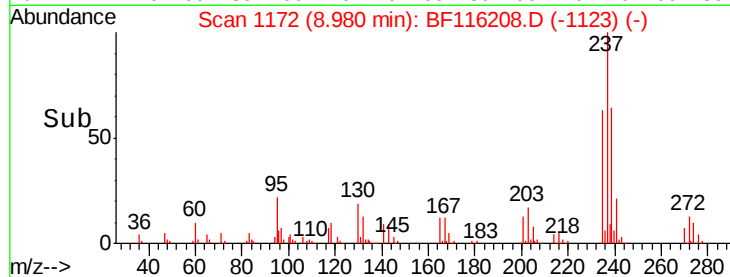
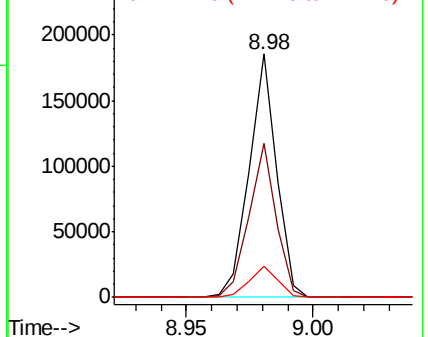
237 100

235 63.1 43.4 83.4

272 13.0 0.0 33.2



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 138.644 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

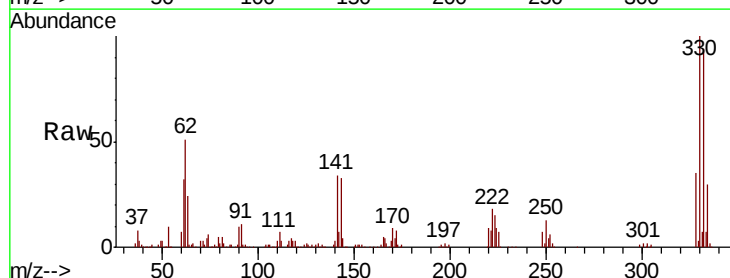
Tgt Ion:330 Resp: 350856

Ion Ratio Lower Upper

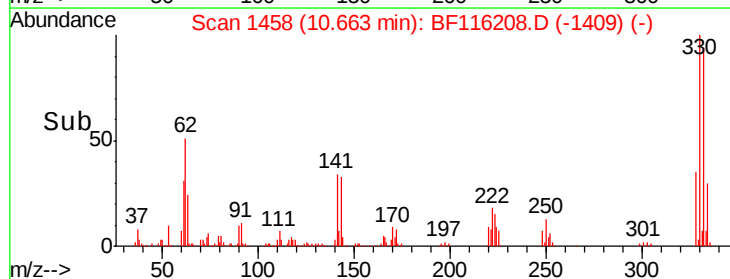
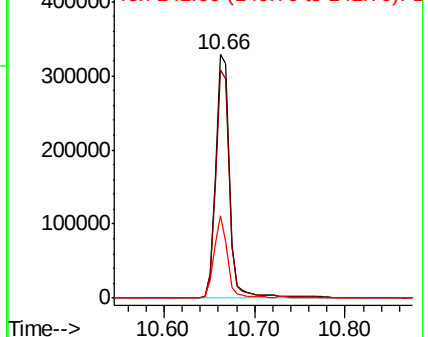
330 100

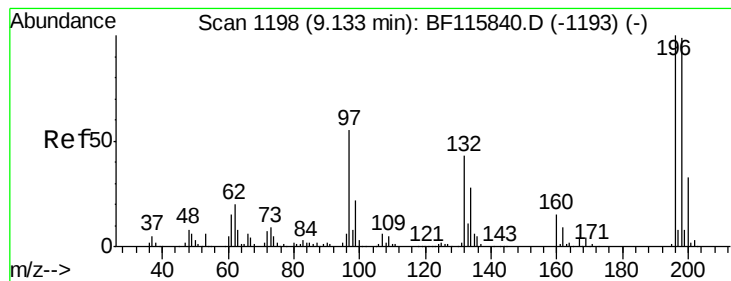
332 94.5 76.8 115.2

141 32.3 26.3 39.5



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#43

2,4,6-Trichlorophenol

Concen: 45.044 ng

RT: 9.12 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

Instrument :

BNA_F

ClientSampleId :

2S-H1-H4-COMP-(0-1)MSD

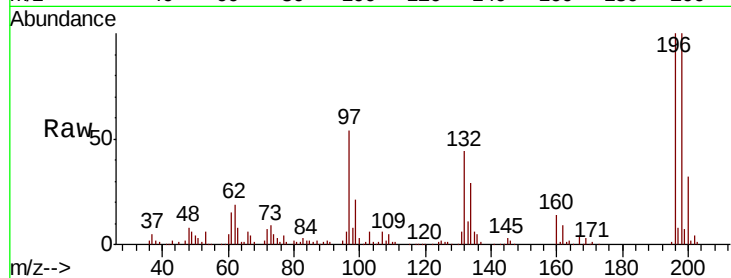
Tot Ion:196 Resp: 216349

Ion Ratio Lower Upper

196 100

198 100.1 79.2 118.8

200 31.9 25.2 37.8

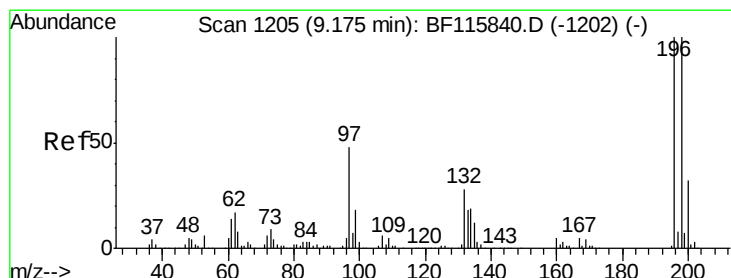
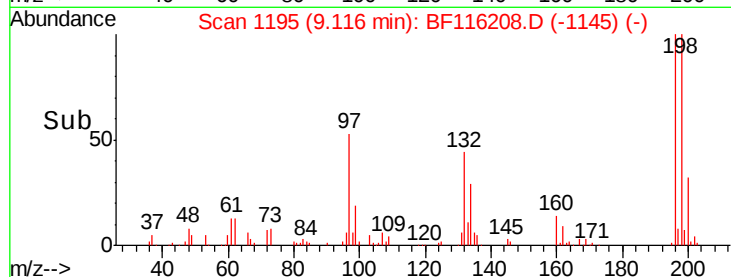
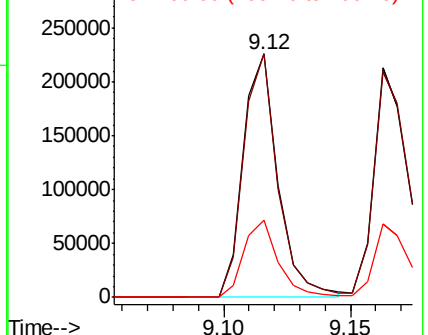


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 47.316 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

Tgt Ion:196 Resp: 234919

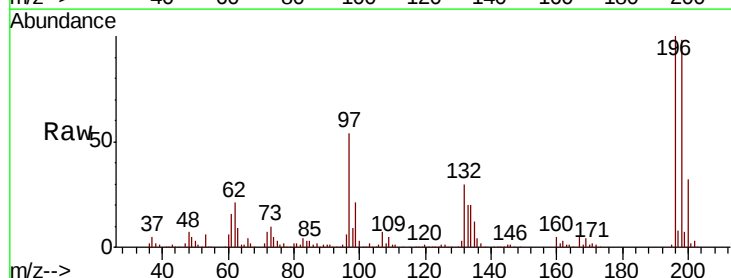
Ion Ratio Lower Upper

196 100

198 98.0 78.8 118.2

97 54.4 42.2 63.4

132 30.0 24.0 36.0



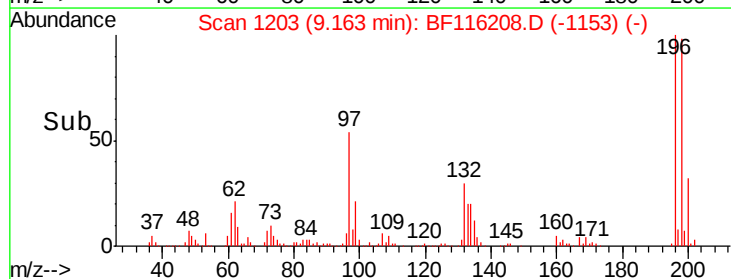
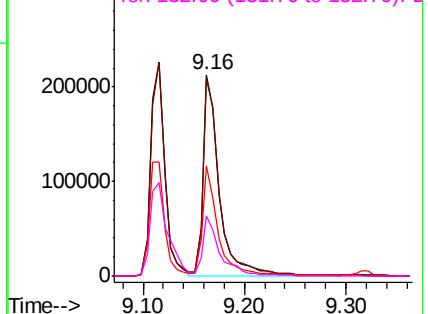
Abundance

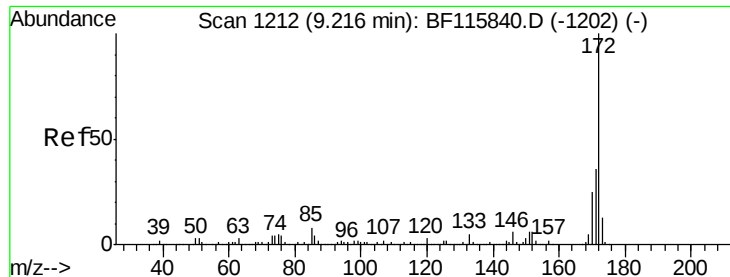
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E

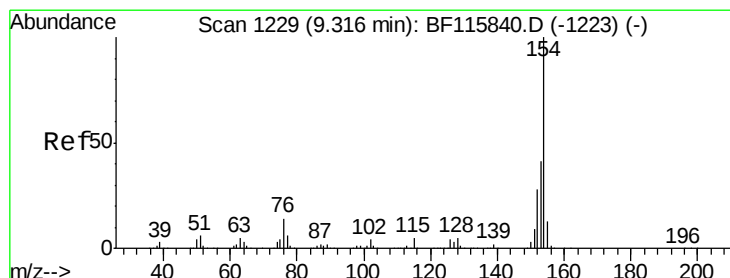
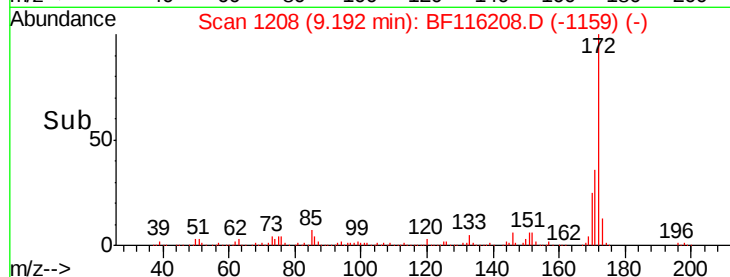
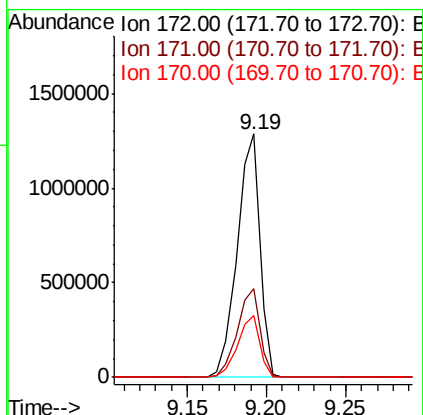
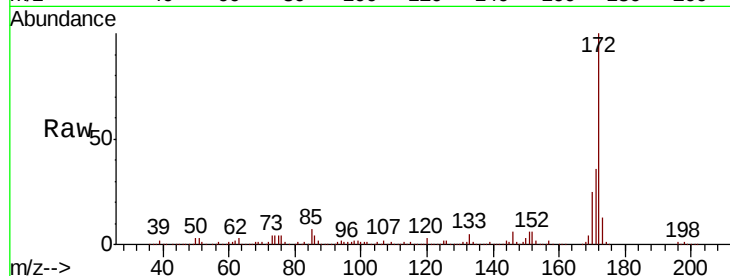




#45
2-Fluorobiphenyl
Concen: 91.776 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

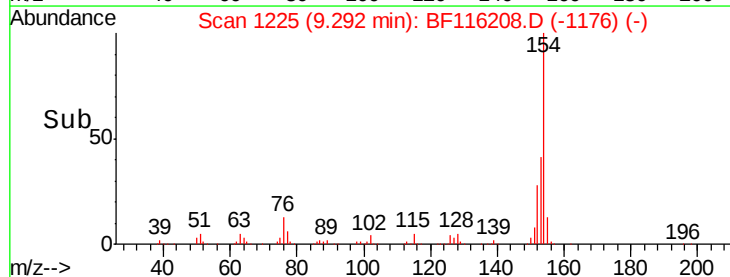
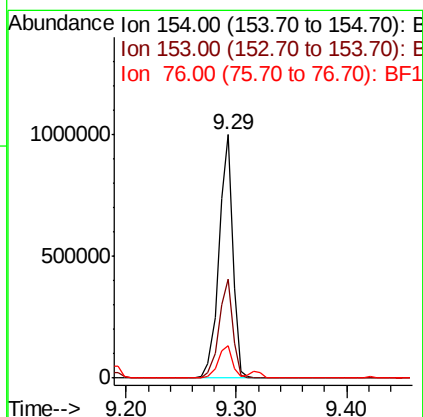
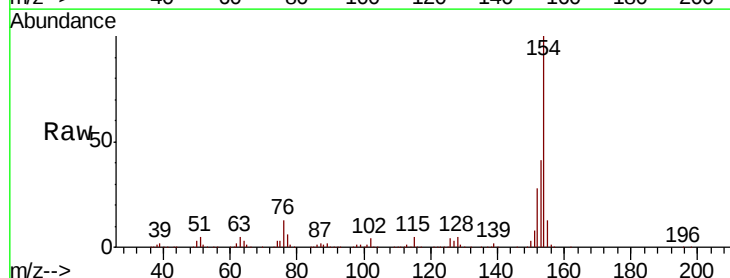
Instrument :
BNA_F
ClientSampleId :
2S-H1-H4-COMP-(0-1)MSD

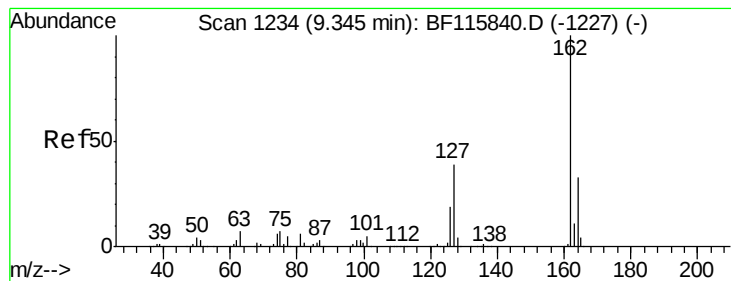
Tot Ion:172 Resp: 1278914
Ion Ratio Lower Upper
172 100
171 36.5 29.6 44.4
170 25.4 20.1 30.1



#46
1,1'-Biphenyl
Concen: 47.249 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

Tgt Ion:154 Resp: 870695
Ion Ratio Lower Upper
154 100
153 40.8 21.4 61.4
76 13.4 0.0 35.2





#47

2-Chloronaphthalene

Concen: 44.670 ng

RT: 9.32 min Scan# 1229

Delta R.T. -0.02 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

Instrument :

BNA_F

ClientSampleId :

2S-H1-H4-COMP-(0-1)MSD

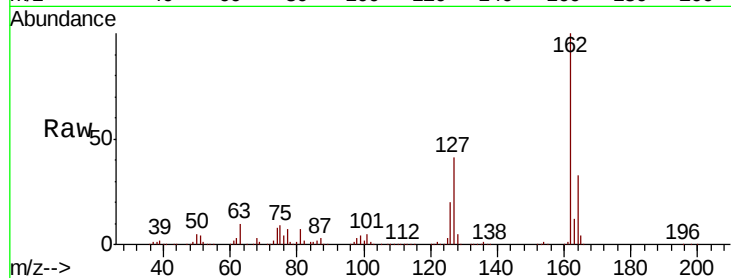
Tot Ion:162 Resp: 685119

Ion Ratio Lower Upper

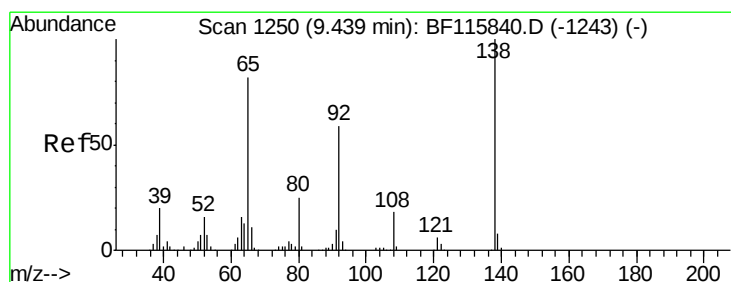
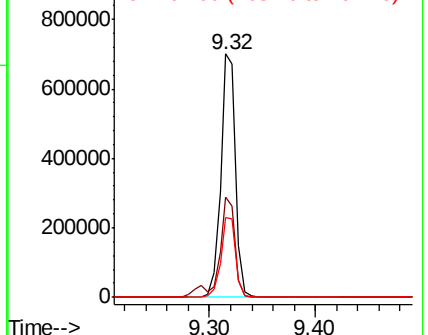
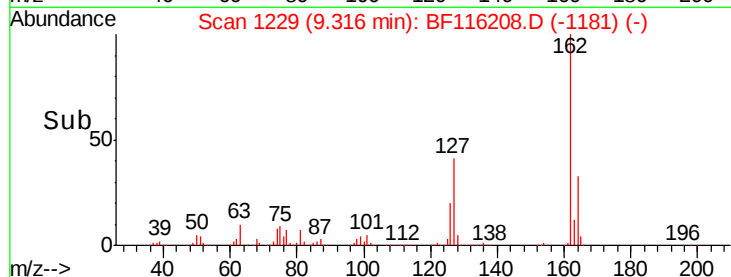
162 100

127 41.3 32.8 49.2

164 32.5 26.6 39.8



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 45.558 ng

RT: 9.42 min Scan# 1247

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

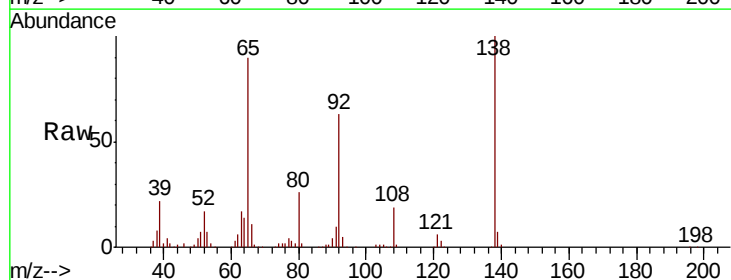
Tgt Ion: 65 Resp: 230958

Ion Ratio Lower Upper

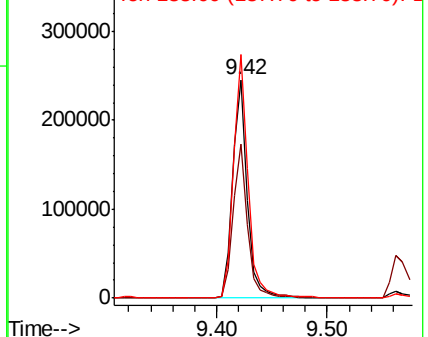
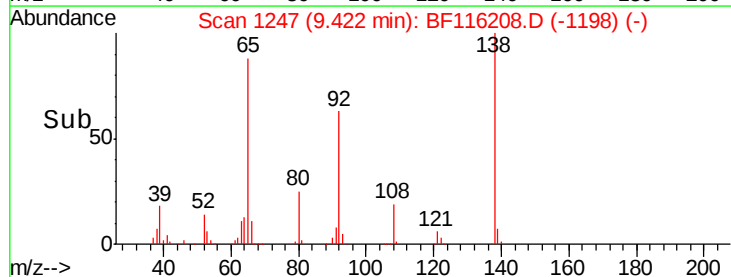
65 100

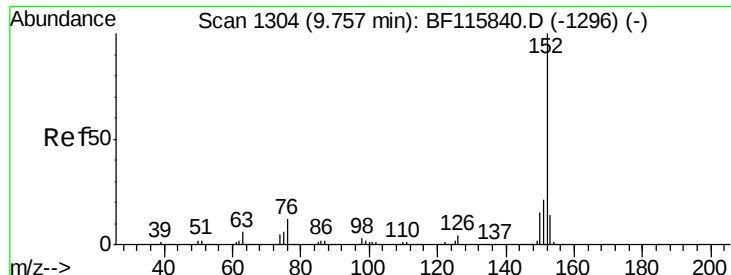
92 70.7 57.8 86.8

138 111.5 94.0 141.0



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 47.154 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

Instrument :

BNA_F

ClientSampleId :

2S-H1-H4-COMP-(0-1)MSD

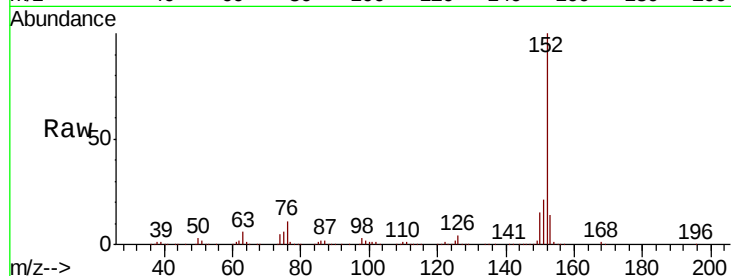
Tot Ion:152 Resp: 1055107

Ion	Ratio	Lower	Upper
152	100		
151	21.0	17.2	25.8
153	14.2	11.8	17.8

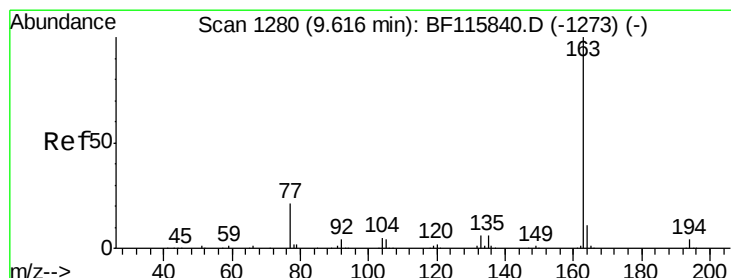
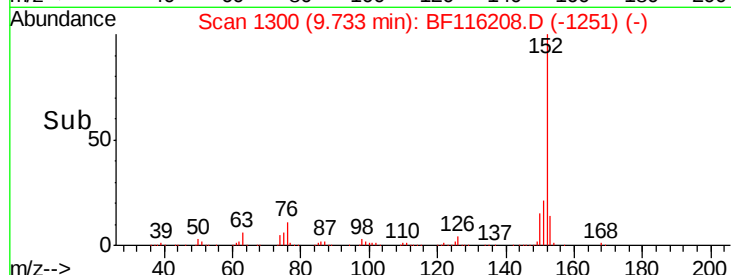
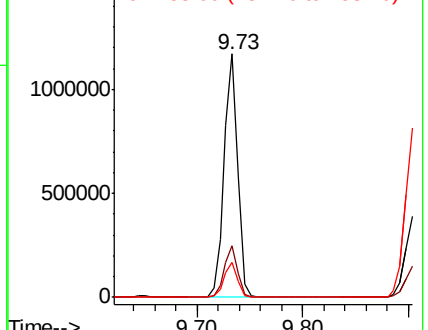
152 100

151 21.0 17.2 25.8

153 14.2 11.8 17.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 48.565 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

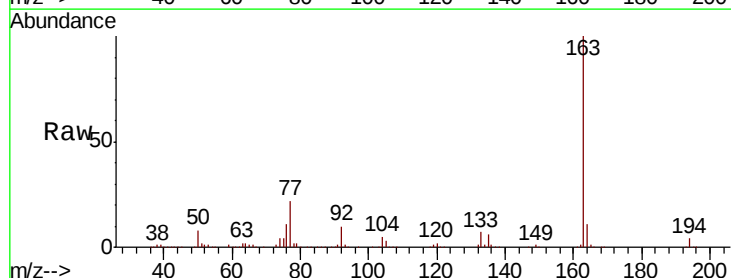
Tgt Ion:163 Resp: 863111

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.6	8.4	12.6

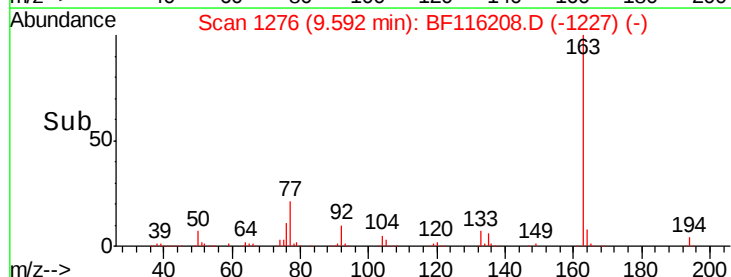
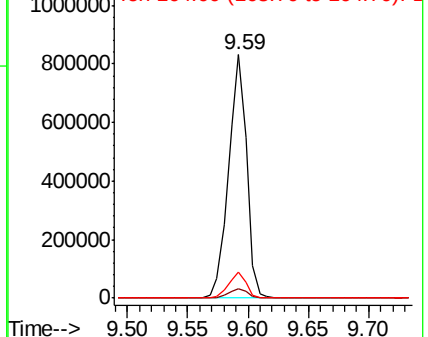
163 100

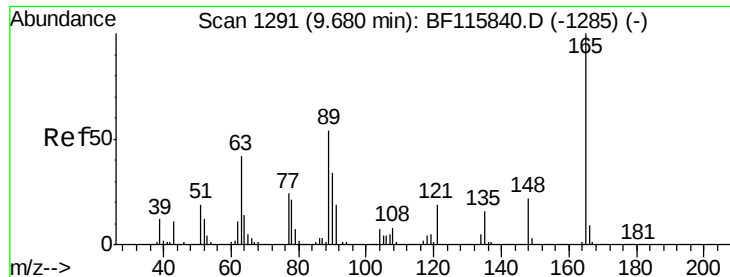
194 3.9 3.0 4.6

164 10.6 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 48.533 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

Instrument :

BNA_F

ClientSampleId :

2S-H1-H4-COMP-(0-1)MSD

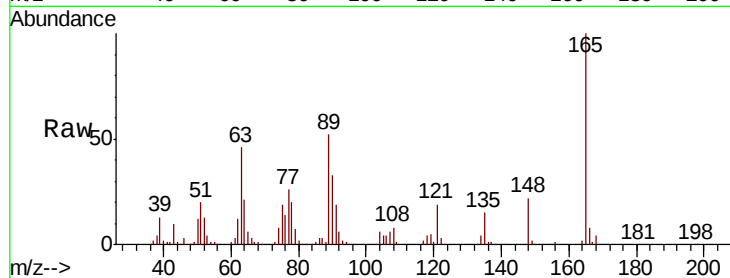
Tot Ion:165 Resp: 187445

Ion Ratio Lower Upper

165 100

63 46.1 38.2 57.2

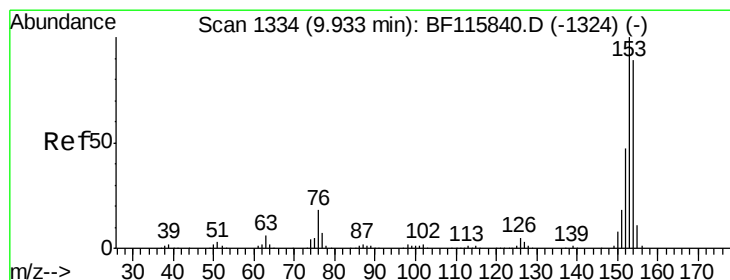
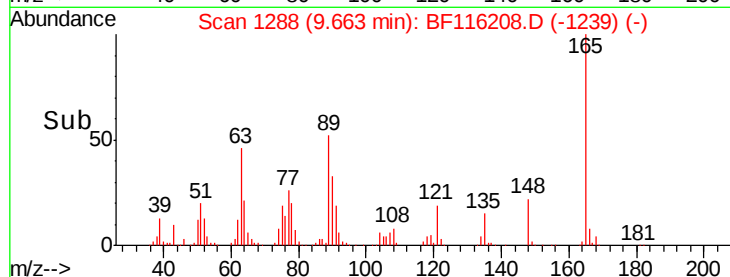
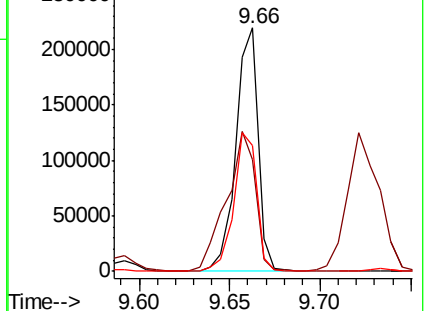
89 51.7 42.9 64.3



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 47.018 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

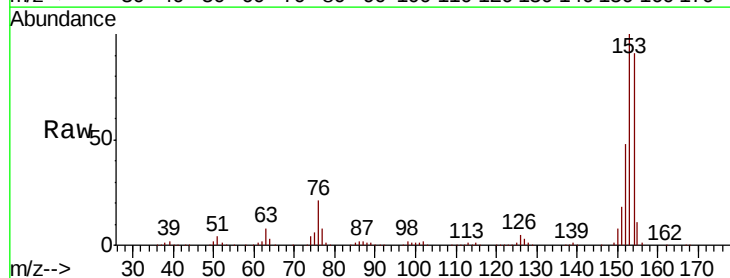
Tgt Ion:154 Resp: 645431

Ion Ratio Lower Upper

154 100

153 109.9 89.4 134.0

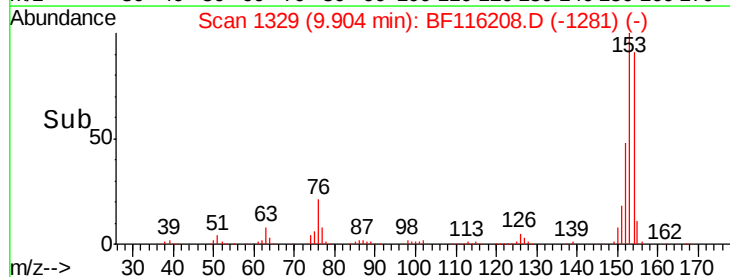
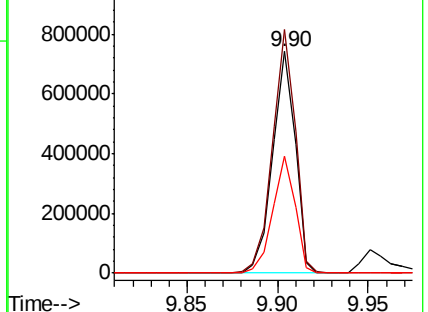
152 52.6 42.3 63.5

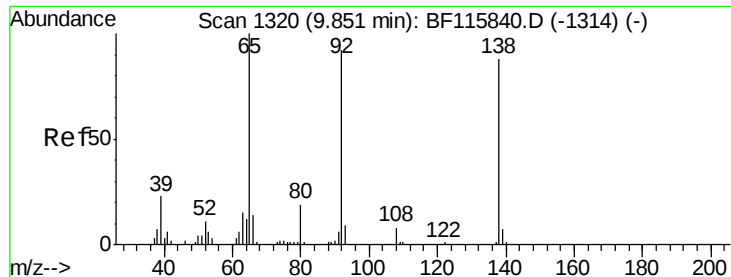


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

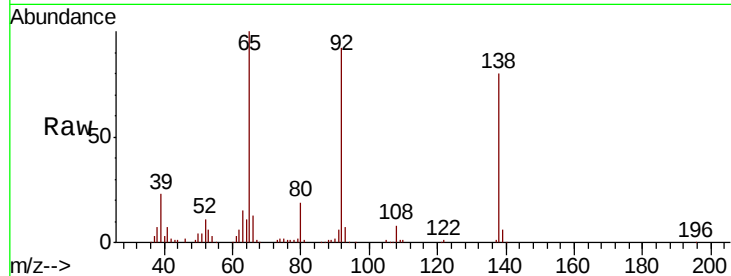




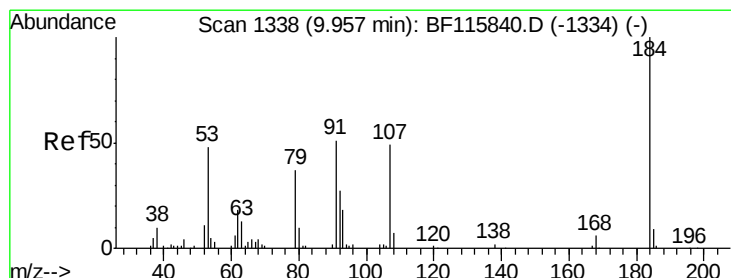
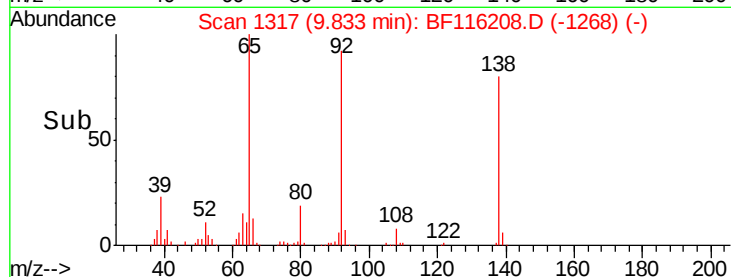
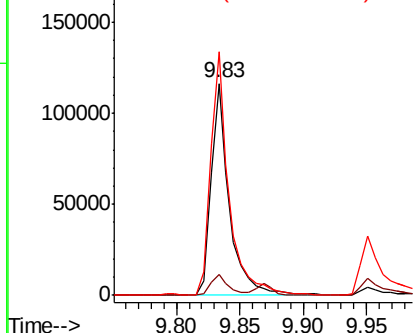
#53
 3-Nitroaniline
 Concen: 24.787 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF116208.D
 Acq: 13 Aug 2019 00:08

Instrument :
 BNA_F
 ClientSampleId :
 2S-H1-H4-COMP-(0-1)MSD

Tot Ion:138 Resp: 118291
 Ion Ratio Lower Upper
 138 100
 108 9.7 8.0 12.0
 92 114.9 91.0 136.6

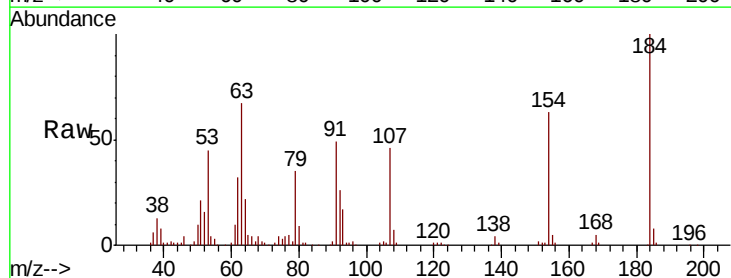


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF1

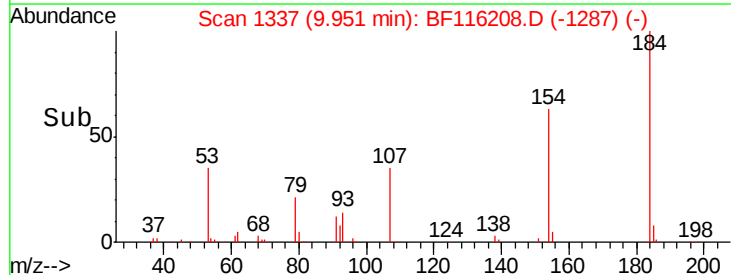
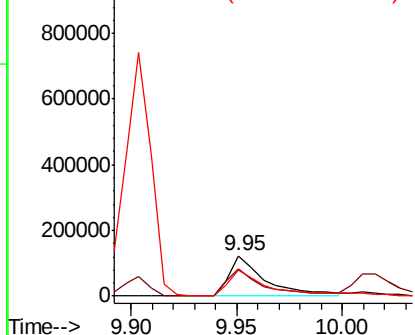


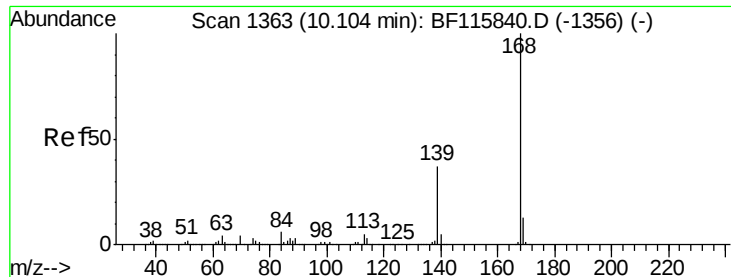
#54
 2,4-Dinitrophenol
 Concen: 75.769 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF116208.D
 Acq: 13 Aug 2019 00:08

Tgt Ion:184 Resp: 147941
 Ion Ratio Lower Upper
 184 100
 63 67.0 53.0 79.4
 154 63.4 50.1 75.1



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 46.398 ng

RT: 10.08 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

Instrument :

BNA_F

ClientSampleId :

2S-H1-H4-COMP-(0-1)MSD

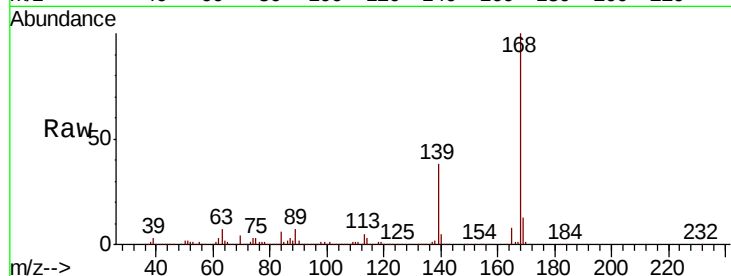
Tot Ion:168 Resp: 926226

Ion Ratio Lower Upper

168 100

139 38.5 31.4 47.2

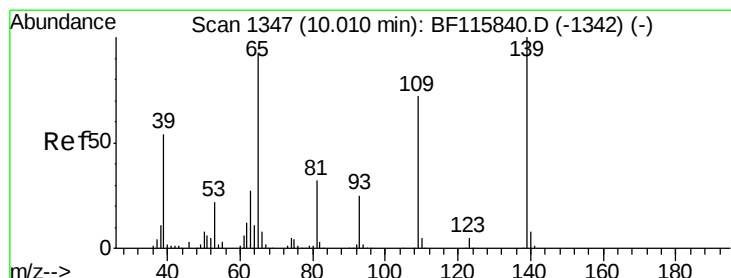
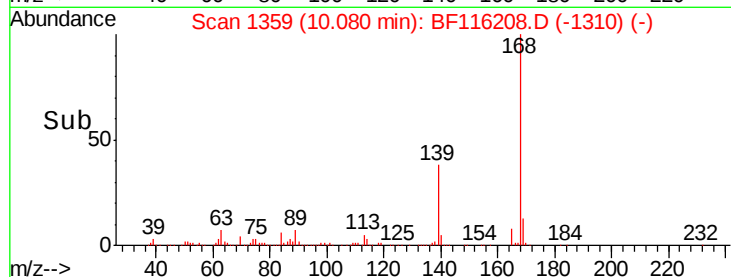
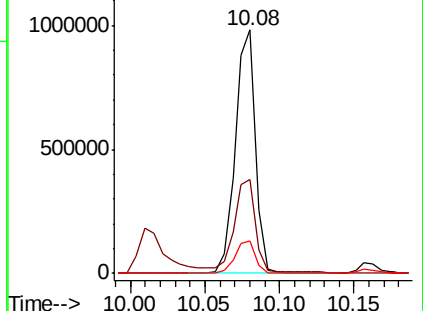
169 13.4 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 76.911 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.00 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

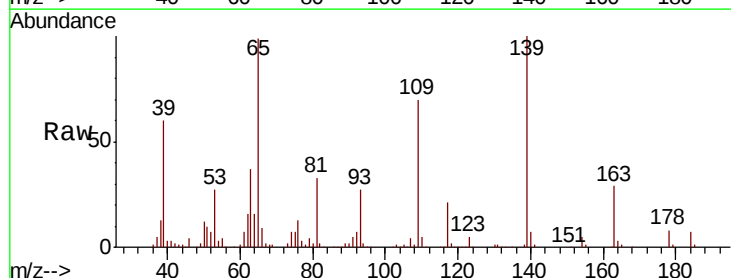
Tgt Ion:139 Resp: 235126

Ion Ratio Lower Upper

139 100

109 70.0 54.4 94.4

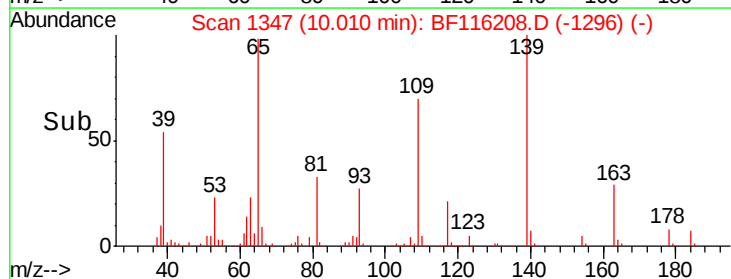
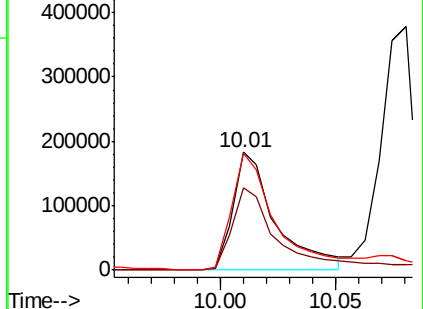
65 99.1 80.6 120.6

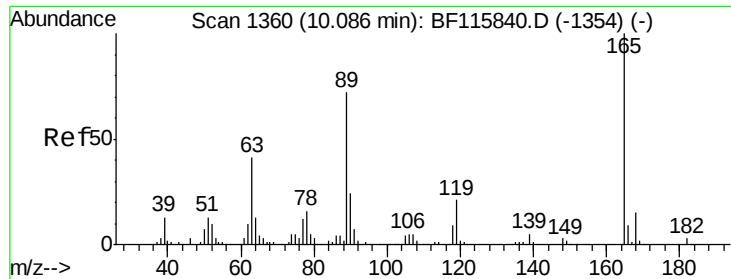


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

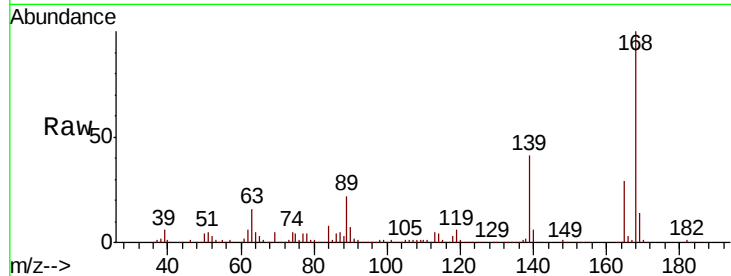




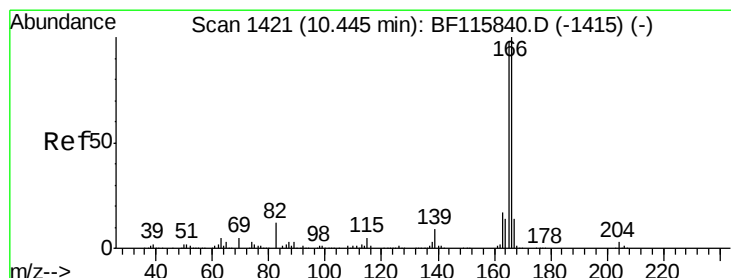
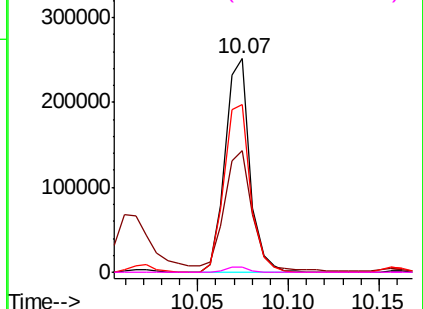
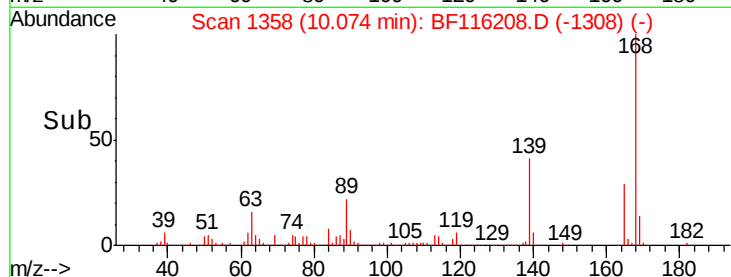
#57
 2,4-Dinitrotoluene
 Concen: 46.626 ng
 RT: 10.07 min Scan# 1358
 Delta R.T. -0.01 min
 Lab File: BF116208.D
 Acq: 13 Aug 2019 00:08

Instrument :
 BNA_F
 ClientSampleId :
 2S-H1-H4-COMP-(0-1)MSD

Tot Ion:165	Resp:	239762
Ion Ratio	Lower	Upper
165	100	
63	56.9	39.6 59.4
89	78.4	62.2 93.2
182	2.5	2.1 3.1

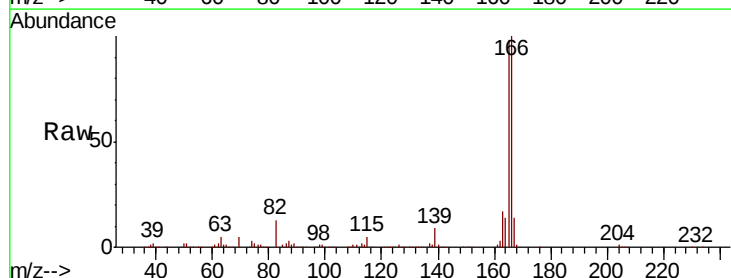


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

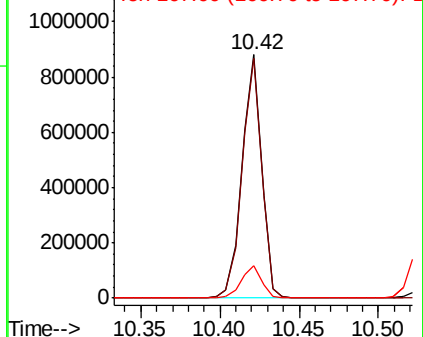
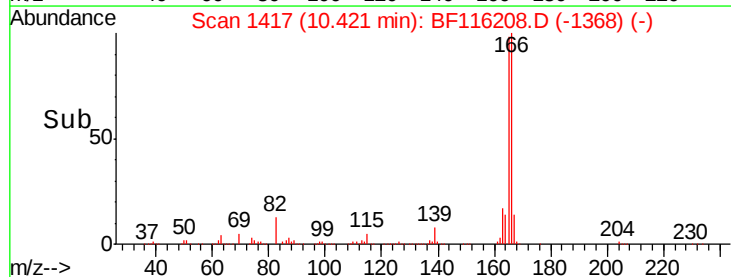


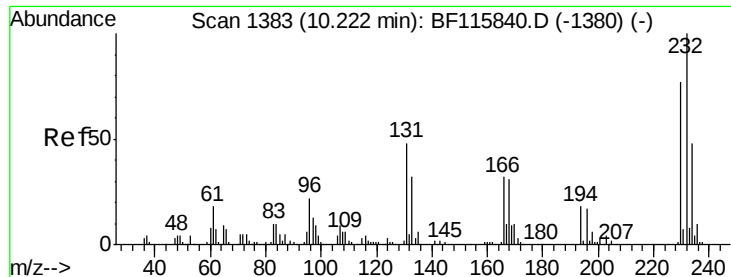
#58
 Fluorene
 Concen: 48.983 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF116208.D
 Acq: 13 Aug 2019 00:08

Tgt Ion:166	Resp:	752321
Ion Ratio	Lower	Upper
166	100	
165	98.4	78.4 117.6
167	13.6	11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

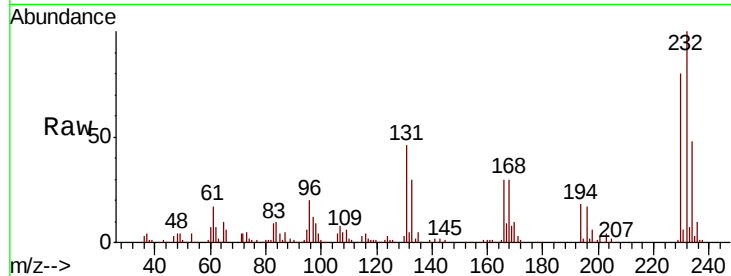




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 51.271 ng
 RT: 10.20 min Scan# 1380
 Delta R.T. -0.01 min
 Lab File: BF116208.D
 Acq: 13 Aug 2019 00:08

Instrument :
 BNA_F
 ClientSampleId :
 2S-H1-H4-COMP-(0-1)MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	44.1	36.2	54.2
130	2.4	1.9	2.9
166	28.9	23.0	34.4



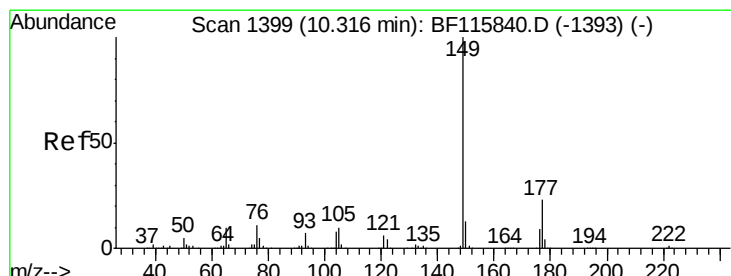
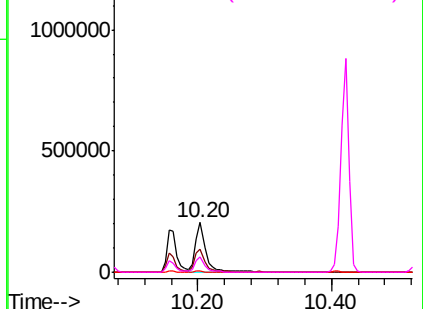
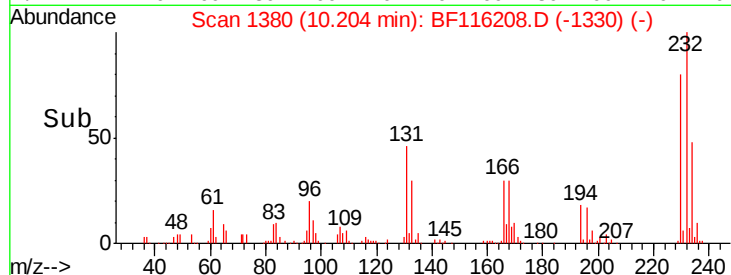
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

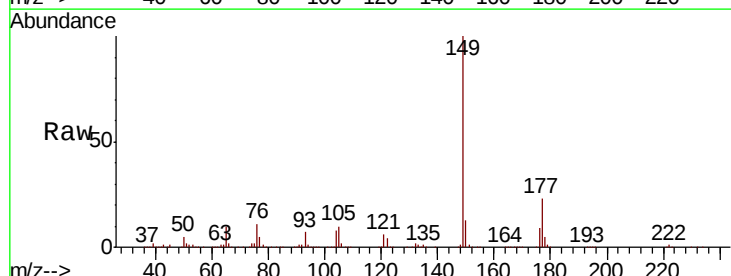
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 50.070 ng
 RT: 10.29 min Scan# 1395
 Delta R.T. -0.01 min
 Lab File: BF116208.D
 Acq: 13 Aug 2019 00:08

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.8	28.2
150	12.8	10.2	15.4

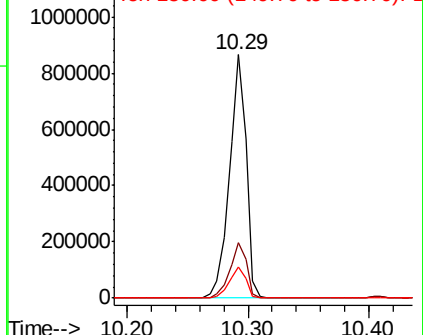
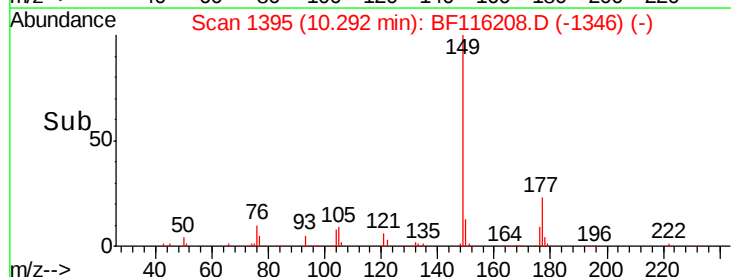


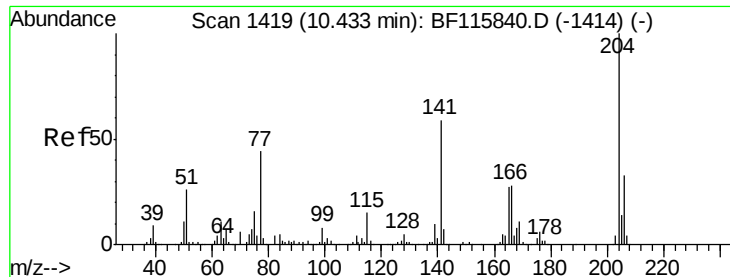
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

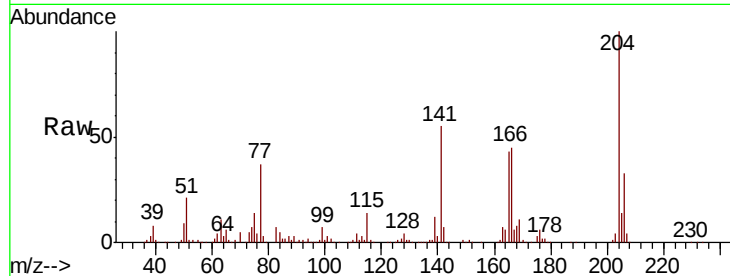




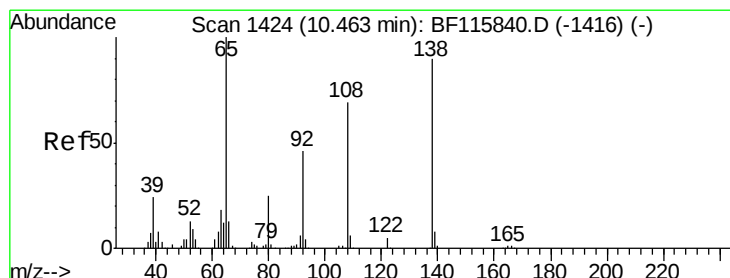
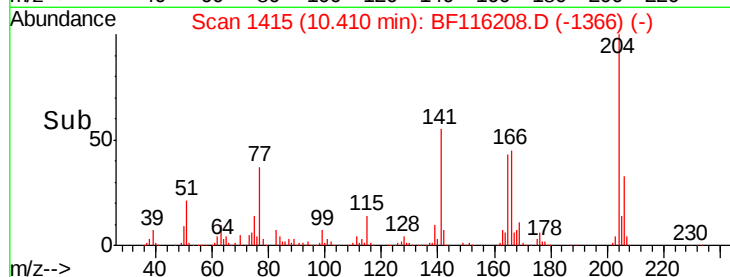
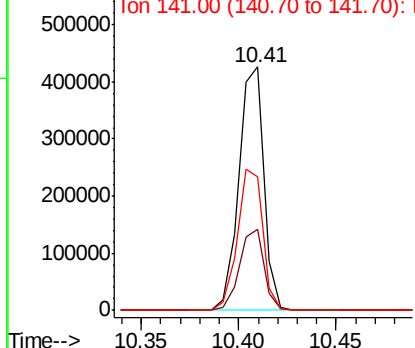
#61
4-Chlorophenyl-phenylether
Concen: 48.629 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

Instrument :
BNA_F
ClientSampleId :
2S-H1-H4-COMP-(0-1)MSD

Tot Ion:204 Resp: 378265
Ion Ratio Lower Upper
204 100
206 33.4 26.4 39.6
141 54.6 46.4 69.6

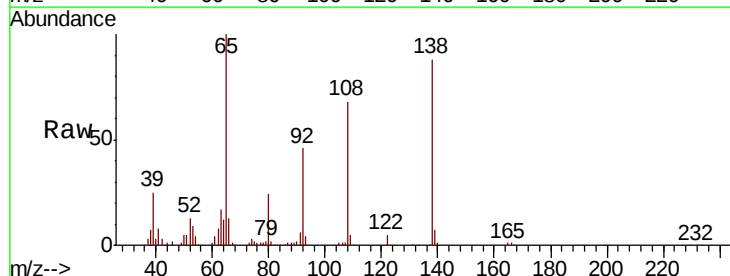


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

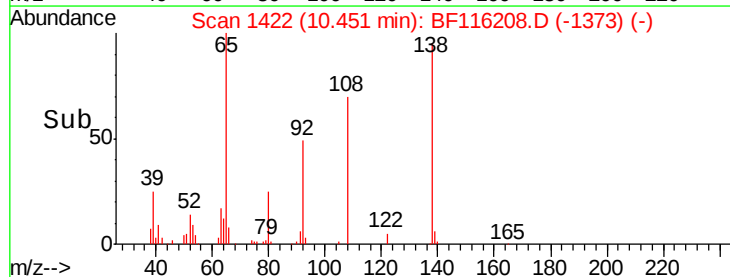
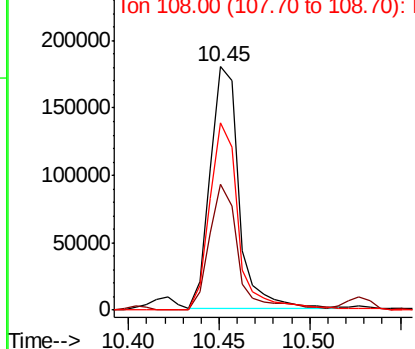


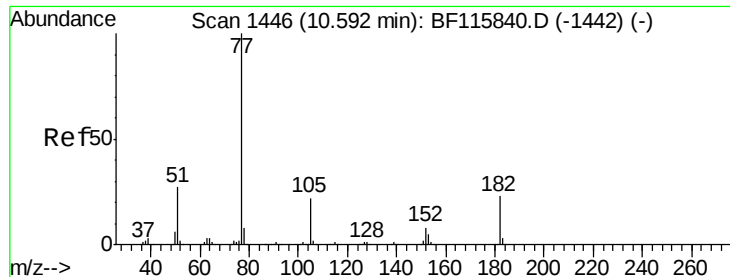
#62
4-Nitroaniline
Concen: 40.713 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

Tgt Ion:138 Resp: 200792
Ion Ratio Lower Upper
138 100
92 51.6 29.0 69.0
108 76.8 54.7 94.7



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E

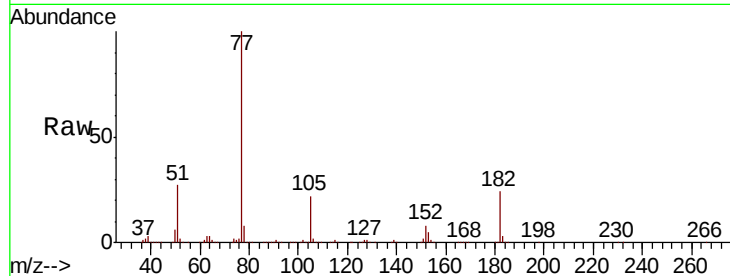




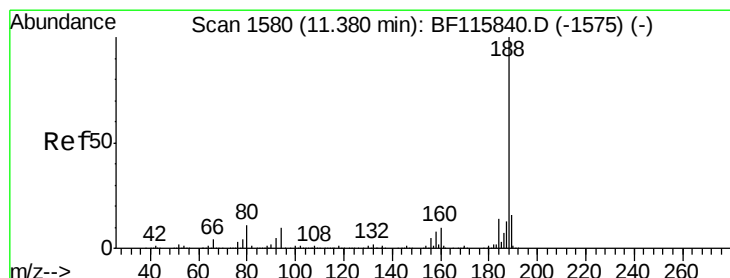
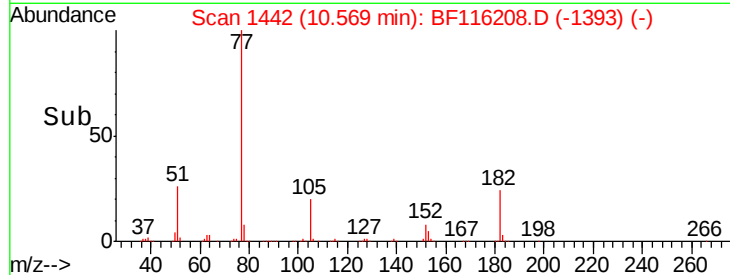
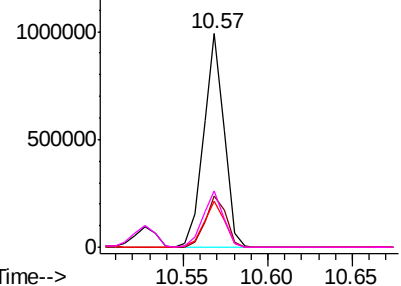
#63
Azobenzene
Concen: 48.857 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.01 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

Instrument :
BNA_F
ClientSampleId :
2S-H1-H4-COMP-(0-1)MSD

Tot Ion:	77	Resp:	833819
Ion	Ratio	Lower	Upper
77	100		
182	24.0	4.0	44.0
105	21.9	2.0	42.0
51	26.6	7.5	47.5

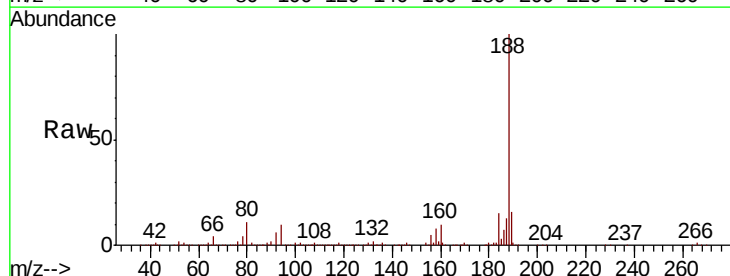


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

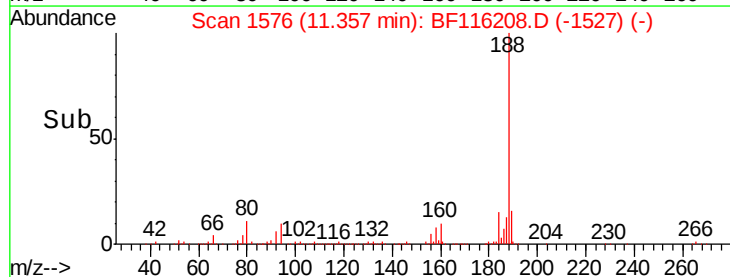
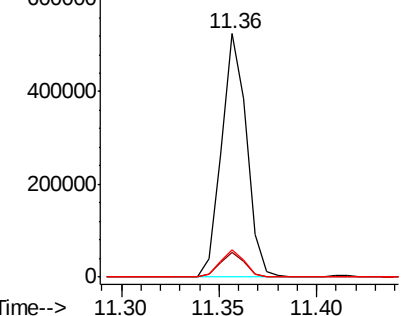


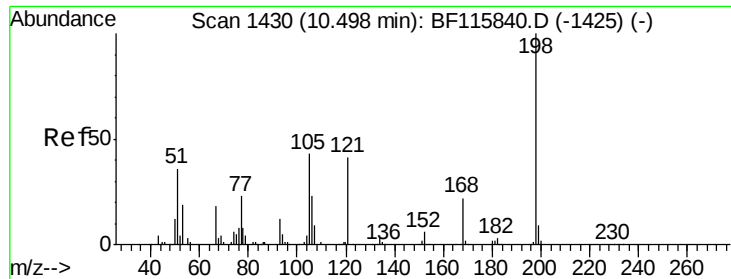
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

Tgt Ion:	188	Resp:	468449
Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.1	12.1
80	11.3	8.7	13.1



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 46.298 ng

RT: 10.49 min Scan# 1428

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

Instrument :

BNA_F

ClientSampleId :

2S-H1-H4-COMP-(0-1)MSD

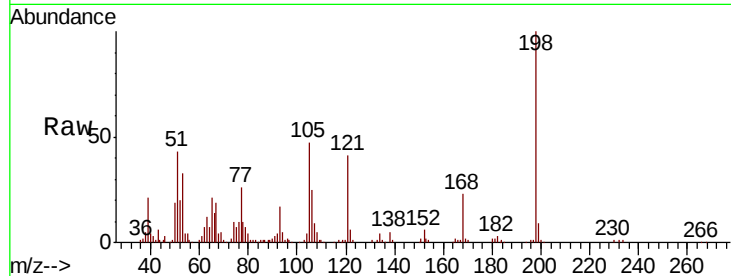
Tot Ion:198 Resp: 114934

Ion Ratio Lower Upper

198 100

51 43.4 17.0 57.0

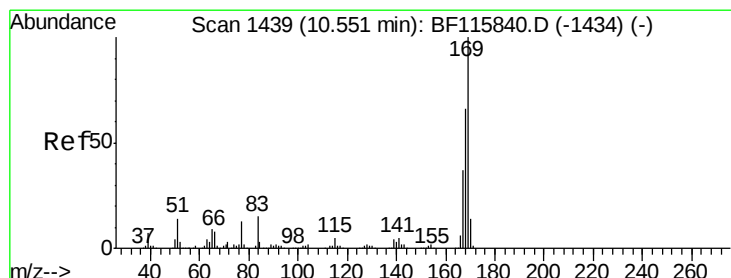
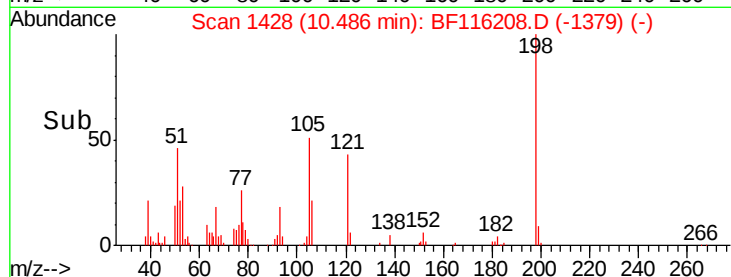
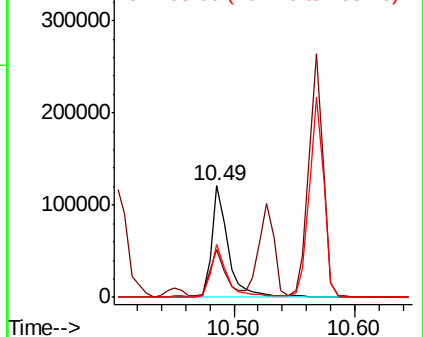
105 47.2 21.6 61.6



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 48.870 ng

RT: 10.53 min Scan# 1435

Delta R.T. -0.02 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

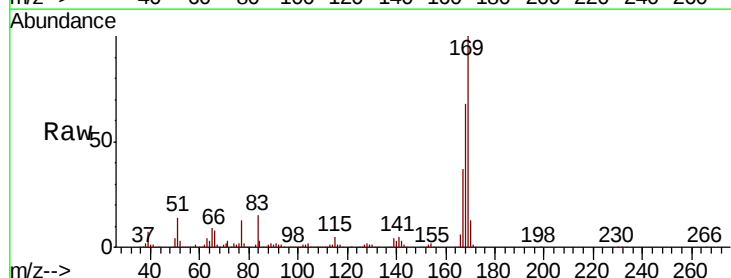
Tgt Ion:169 Resp: 689054

Ion Ratio Lower Upper

169 100

168 67.5 53.8 80.6

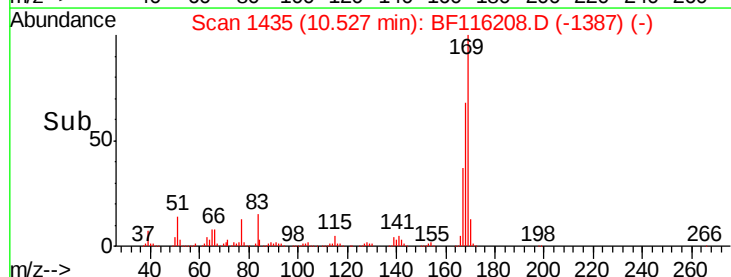
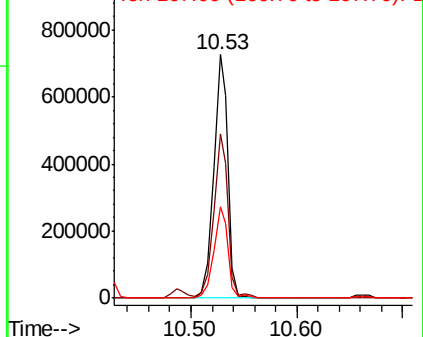
167 37.3 29.6 44.4

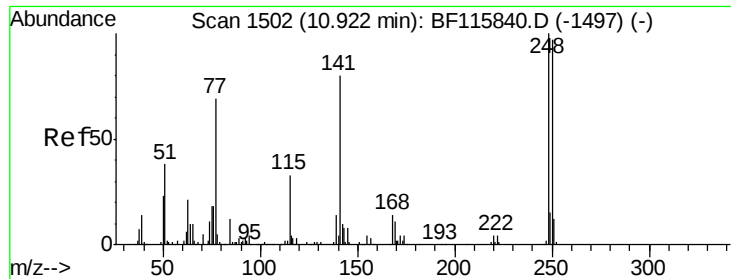


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

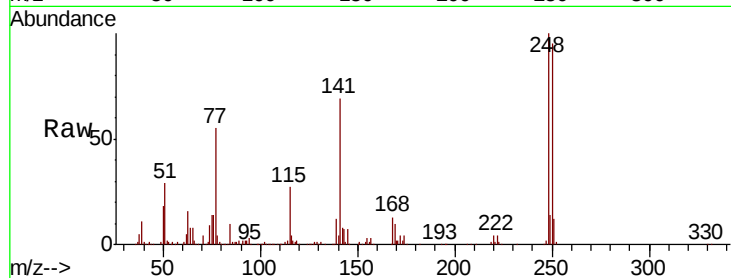




#67
4-Bromophenyl-phenylether
Concen: 47.679 ng
RT: 10.90 min Scan# 1498
Delta R.T. -0.01 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

Instrument :
BNA_F
ClientSampleId :
2S-H1-H4-COMP-(0-1)MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.4	77.4	116.2
141	68.5	56.8	85.2

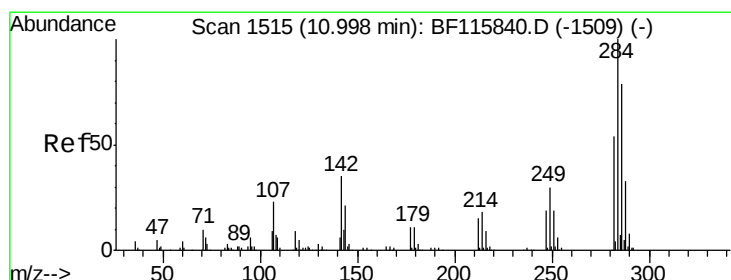
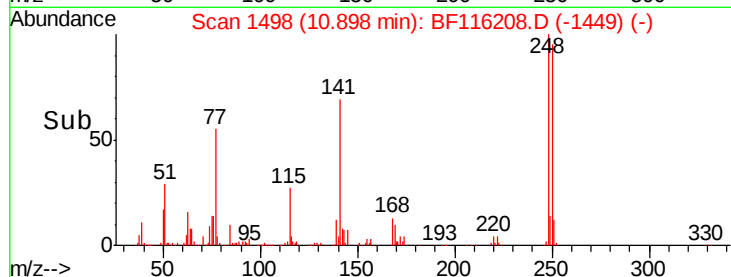
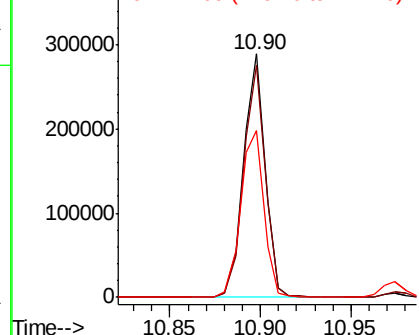


Abundance

Ion 248.00 (247.70 to 248.70): E

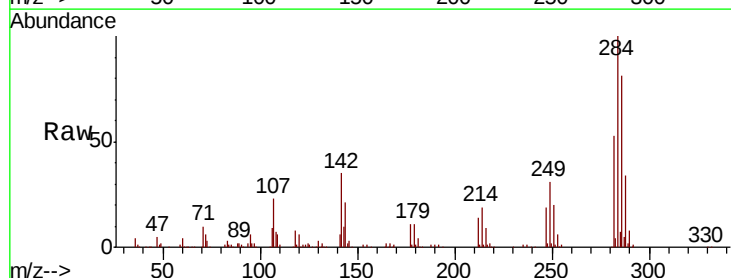
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 45.394 ng
RT: 10.97 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.5	28.4	42.6
249	31.0	24.5	36.7

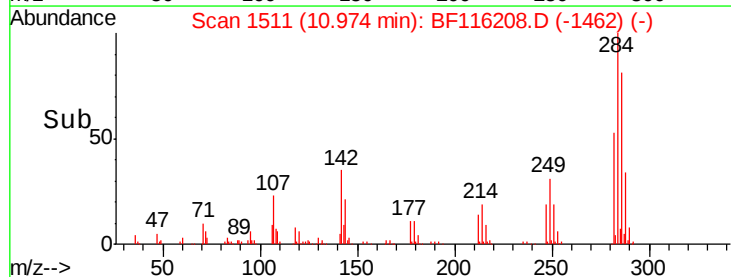
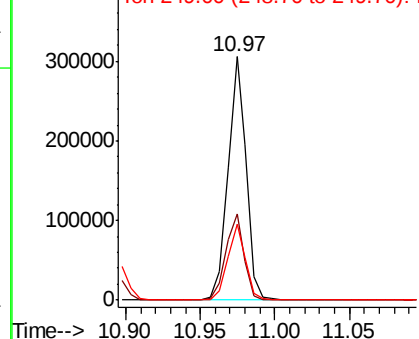


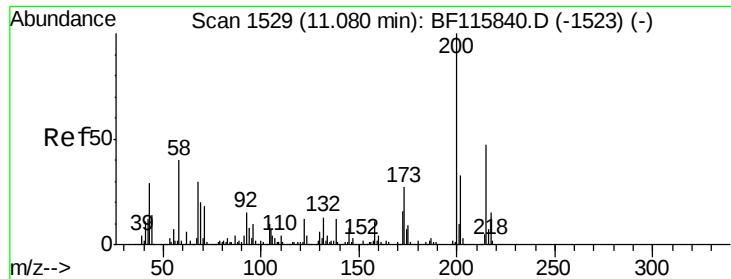
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

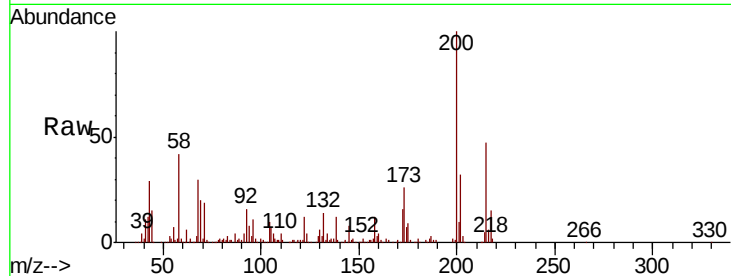




#69
Atrazine
Concen: 44.407 ng
RT: 11.06 min Scan# 1525
Delta R.T. -0.01 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

Instrument :
BNA_F
ClientSampleId :
2S-H1-H4-COMP-(0-1)MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.8	46.8
215	47.5	27.5	67.5

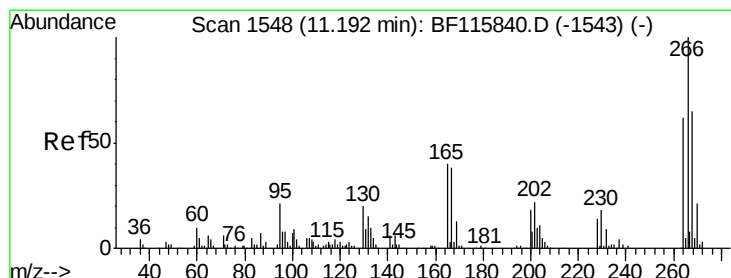
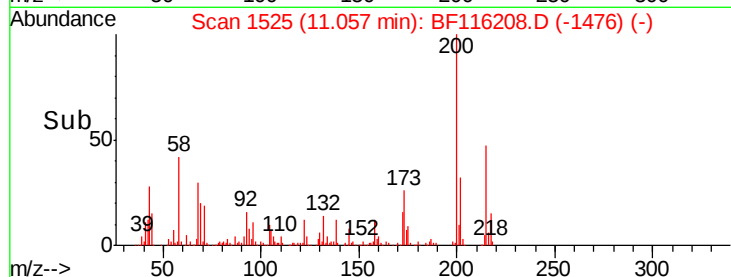
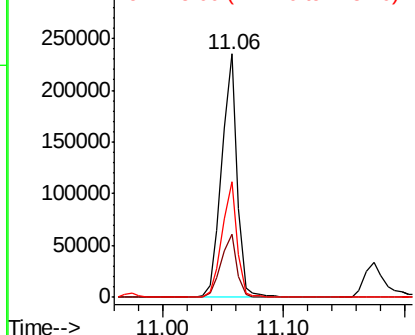


Abundance

Ion 200.00 (199.70 to 200.70): E

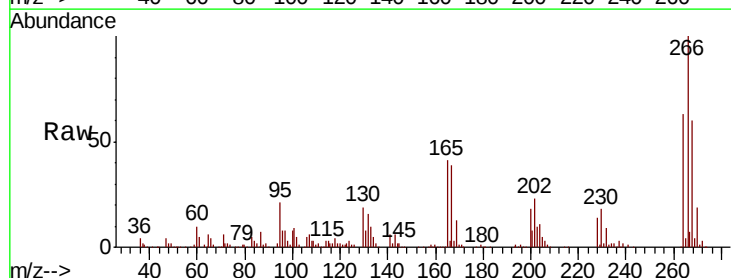
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 92.149 ng
RT: 11.17 min Scan# 1545
Delta R.T. -0.01 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

Tgt Ion	Ratio	Lower	Upper
266	100		
268	60.4	48.8	73.2
264	62.6	50.6	76.0

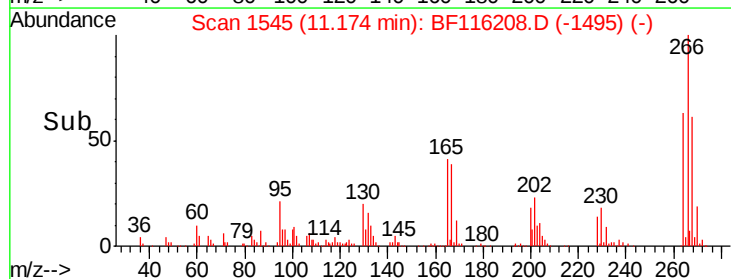
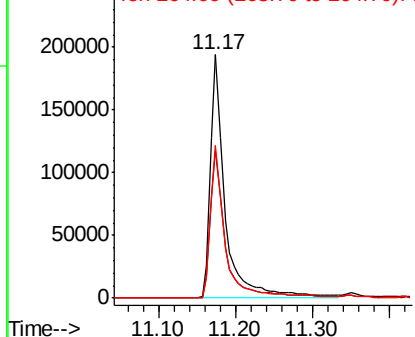


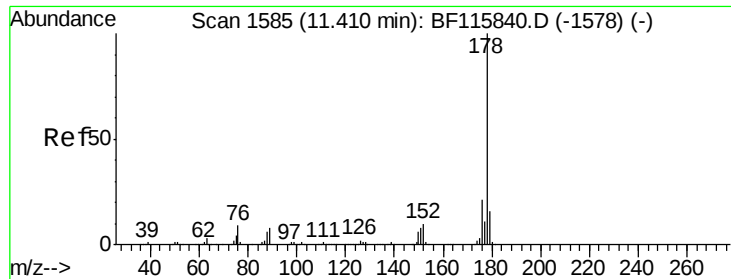
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

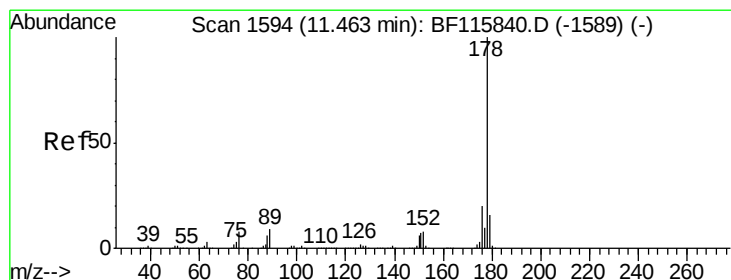
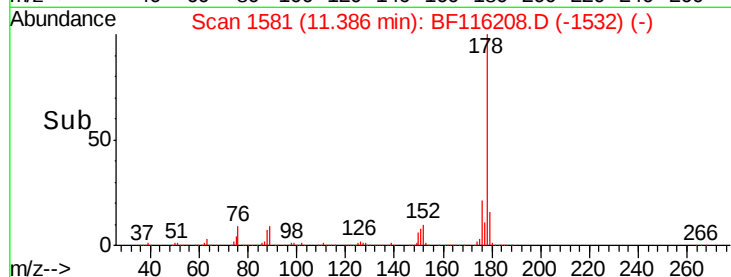
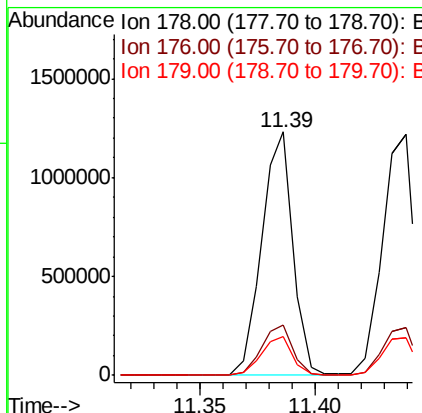
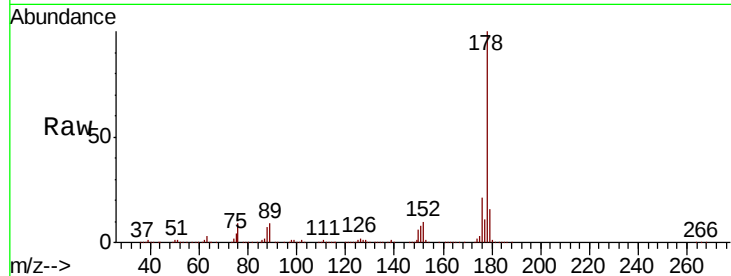




#71
Phenanthrene
Concen: 48.298 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

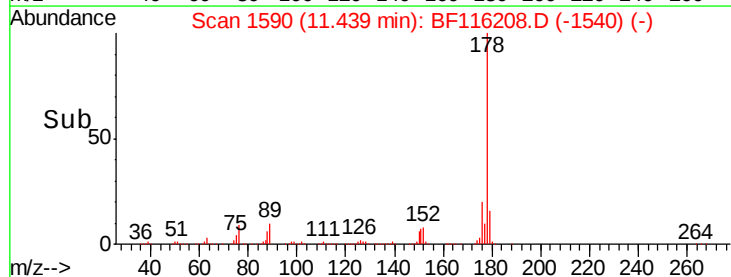
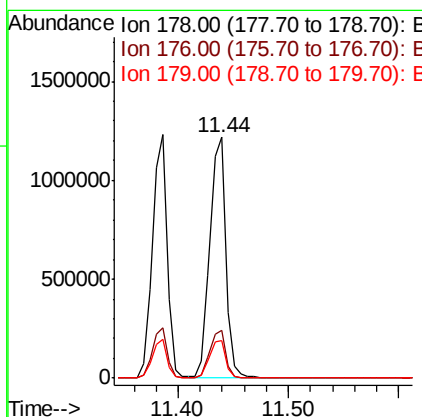
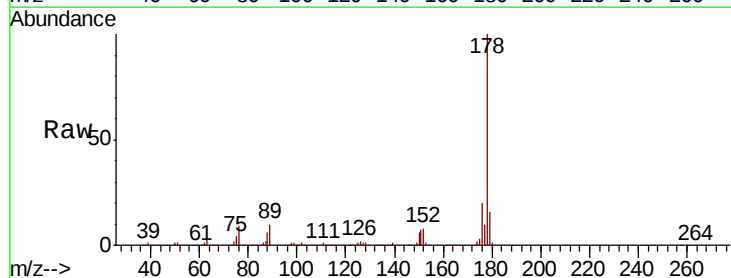
Instrument :
BNA_F
ClientSampleId :
2S-H1-H4-COMP-(0-1)MSD

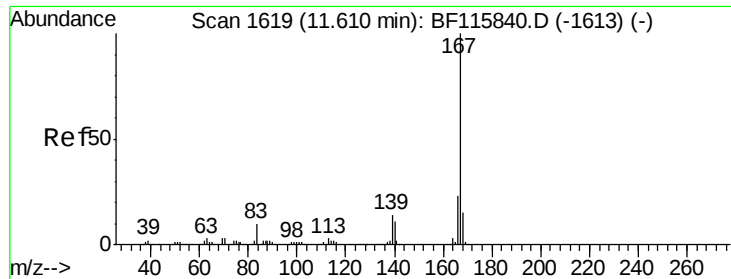
Tot Ion:178 Resp: 1156656
Ion Ratio Lower Upper
178 100
176 20.6 16.6 24.8
179 15.8 12.5 18.7



#72
Anthracene
Concen: 49.392 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

Tgt Ion:178 Resp: 1197101
Ion Ratio Lower Upper
178 100
176 20.1 15.7 23.5
179 15.8 13.0 19.6

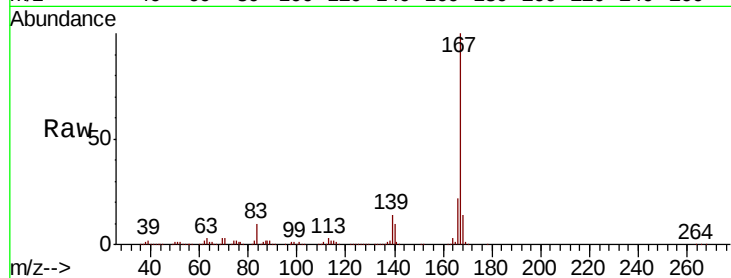




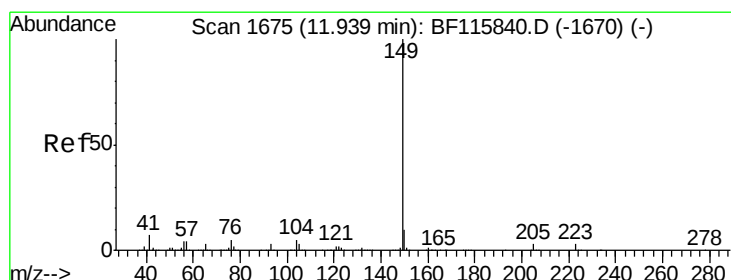
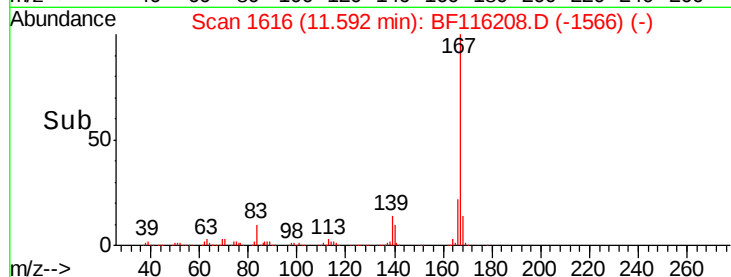
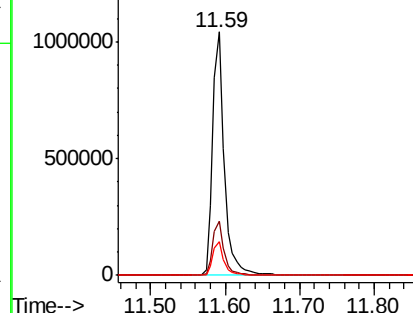
#73
 Carbazole
 Concen: 51.682 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF116208.D
 Acq: 13 Aug 2019 00:08

Instrument :
 BNA_F
 ClientSampleId :
 2S-H1-H4-COMP-(0-1)MSD

Tot Ion:167 Resp: 1136401
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.8 26.6
 139 13.8 11.4 17.0

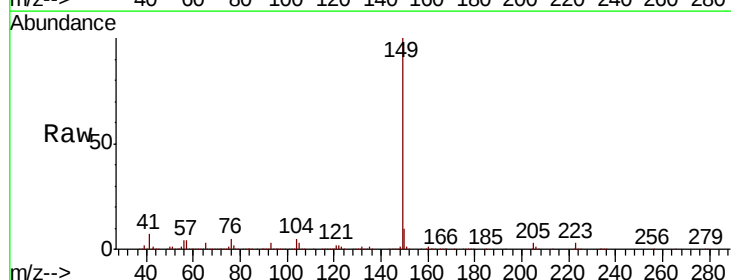


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

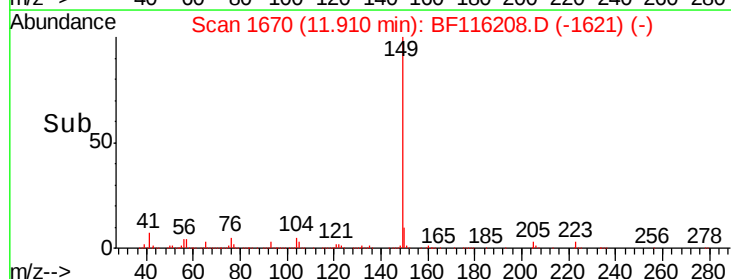
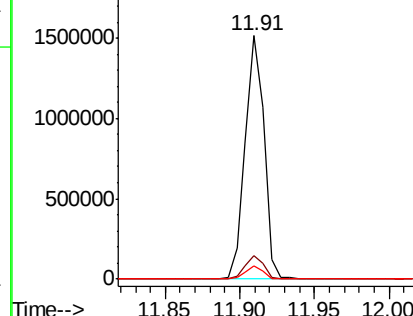


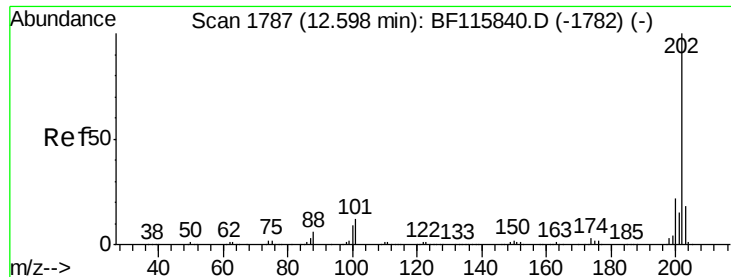
#74
 Di-n-butylphthalate
 Concen: 52.354 ng
 RT: 11.91 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: BF116208.D
 Acq: 13 Aug 2019 00:08

Tgt Ion:149 Resp: 1342923
 Ion Ratio Lower Upper
 149 100
 150 9.7 8.0 12.0
 104 5.5 4.5 6.7



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E

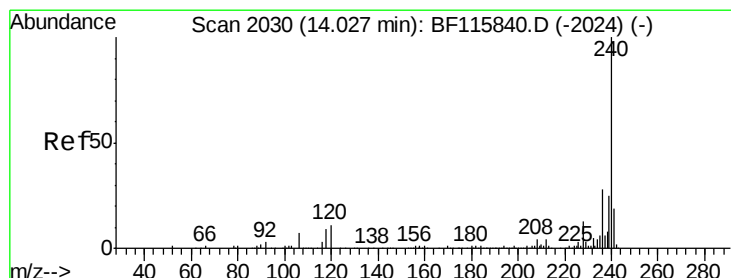
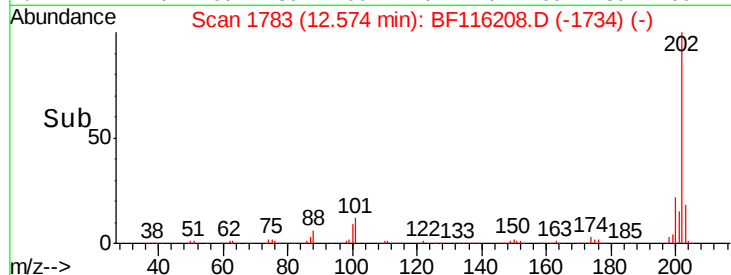
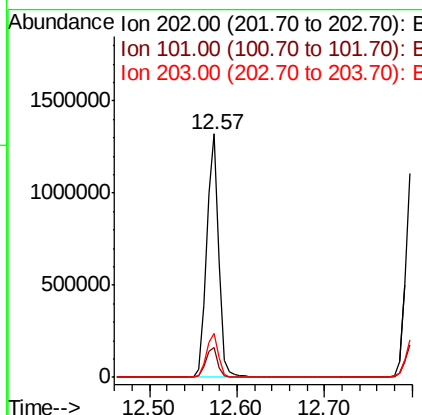
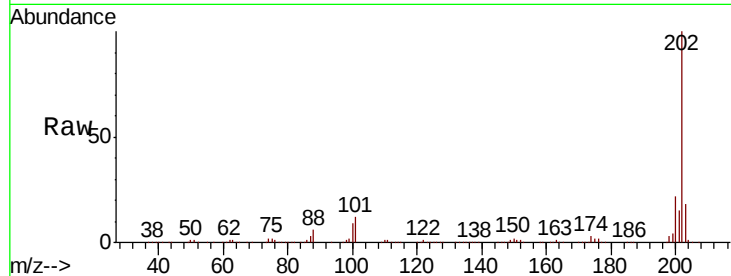




#75
 Fluoranthene
 Concen: 50.062 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: BF116208.D
 Acq: 13 Aug 2019 00:08

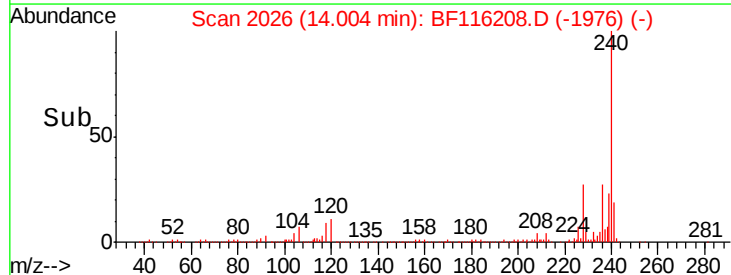
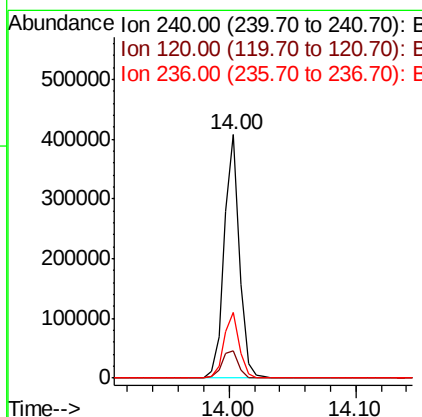
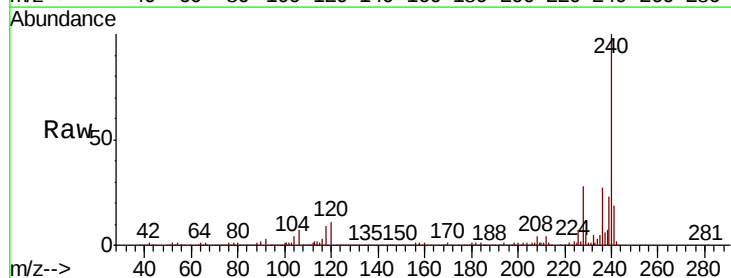
Instrument :
 BNA_F
 ClientSampleId :
 2S-H1-H4-COMP-(0-1)MSD

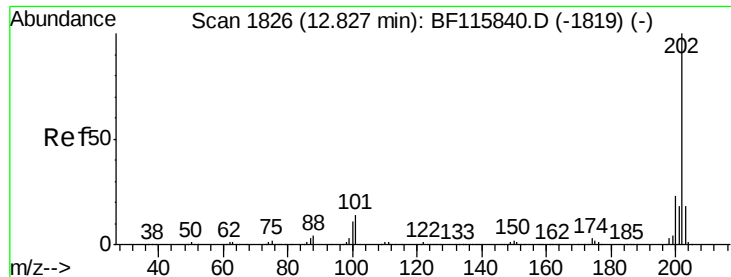
Tot Ion:202 Resp: 1255124
 Ion Ratio Lower Upper
 202 100
 101 12.5 0.0 31.2
 203 17.9 0.0 37.8



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF116208.D
 Acq: 13 Aug 2019 00:08

Tgt Ion:240 Resp: 339674
 Ion Ratio Lower Upper
 240 100
 120 11.0 10.7 16.1
 236 26.8 22.2 33.2

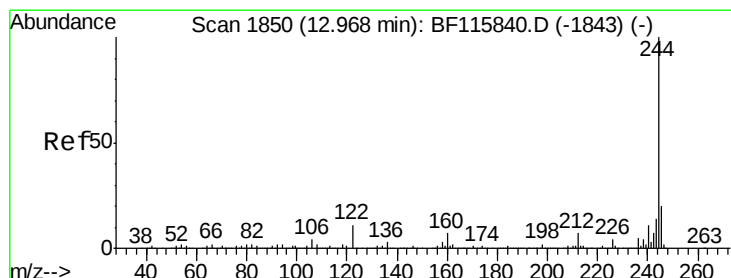
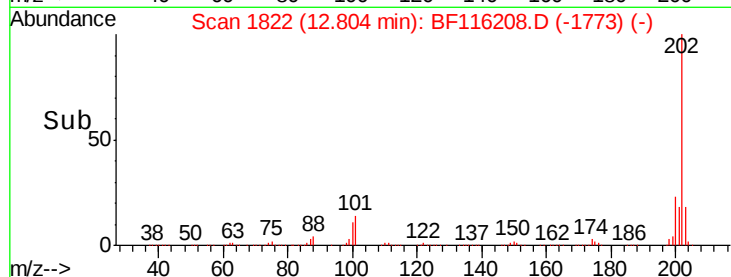
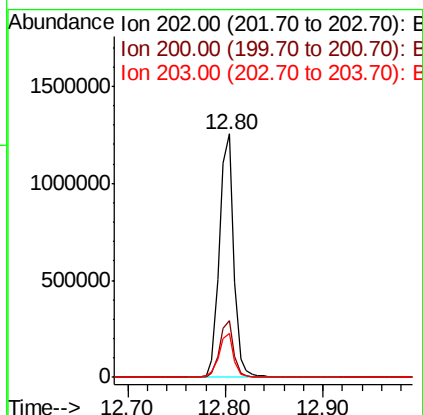
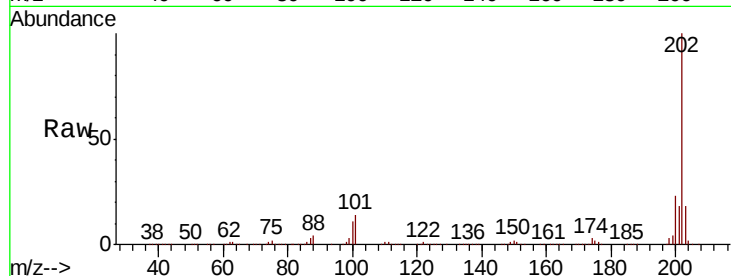




#78
Pvrene
Concen: 50.144 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

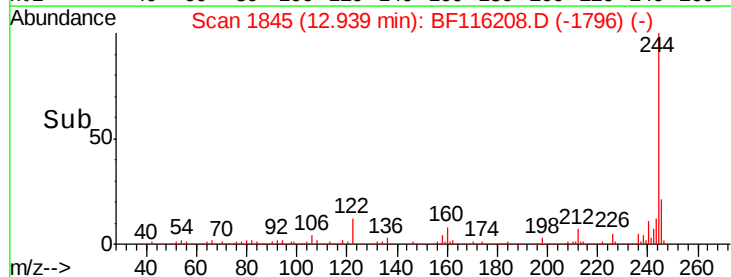
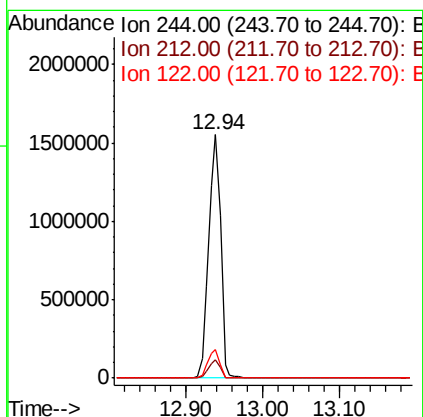
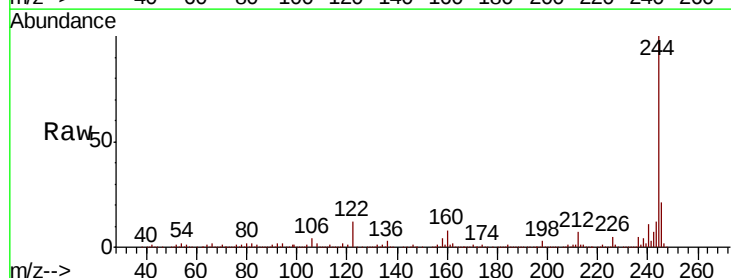
Instrument :
BNA_F
ClientSampleId :
2S-H1-H4-COMP-(0-1)MSD

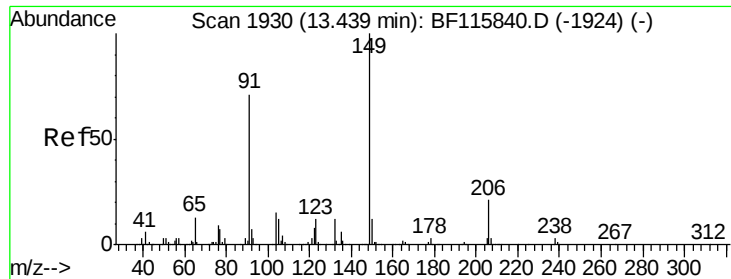
Tot Ion:202 Resp: 1283933
Ion Ratio Lower Upper
202 100
200 23.1 18.0 27.0
203 18.2 14.1 21.1



#79
Terphenyl-d14
Concen: 102.594 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

Tgt Ion:244 Resp: 1653804
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.8
122 11.6 9.0 13.4

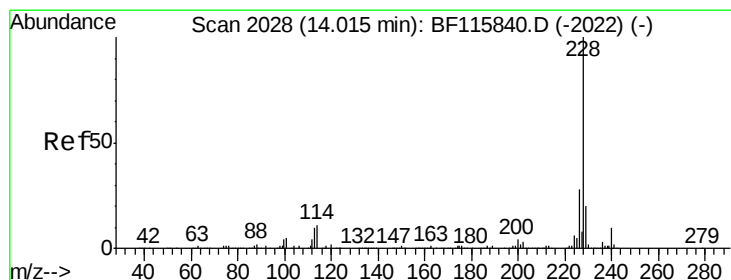
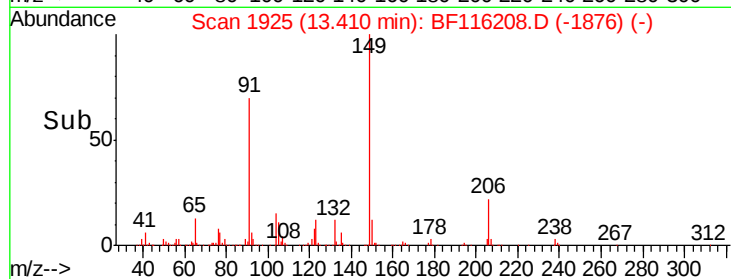
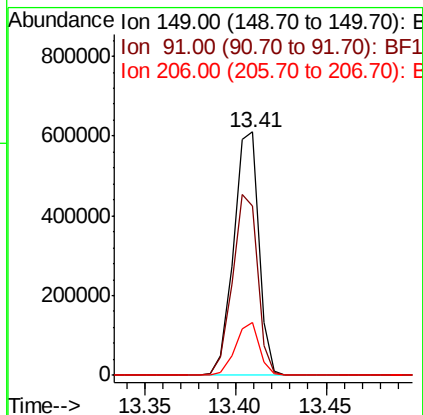
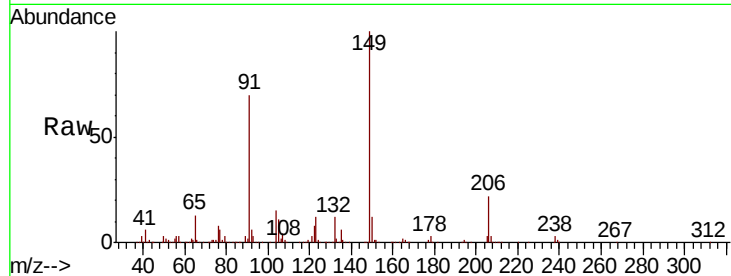




#80
Butylbenzylphthalate
Concen: 54.807 ng
RT: 13.41 min Scan# 1925
Delta R.T. -0.01 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

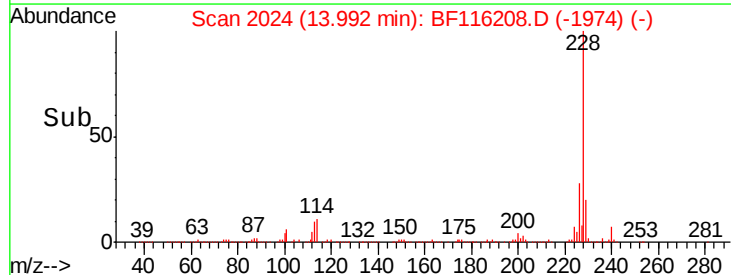
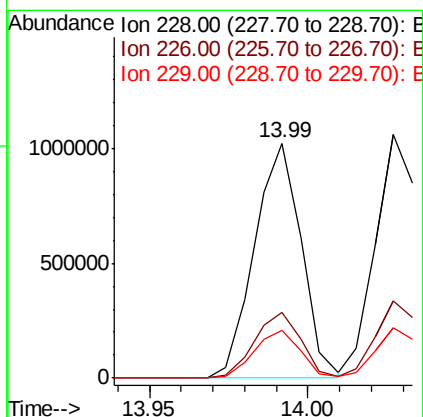
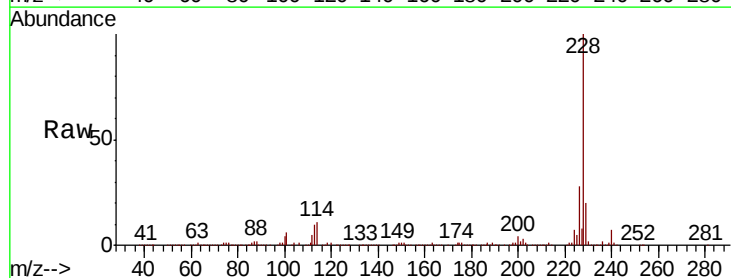
Instrument :
BNA_F
ClientSampleId :
2S-H1-H4-COMP-(0-1)MSD

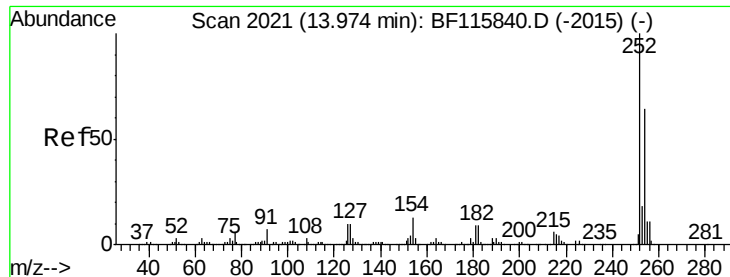
Tot Ion	Ratio	Lower	Upper
149	100		
91	69.7	56.3	84.5
206	21.7	18.0	27.0



#81
Benzo(a)anthracene
Concen: 48.053 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.7	34.1
229	20.1	16.2	24.4

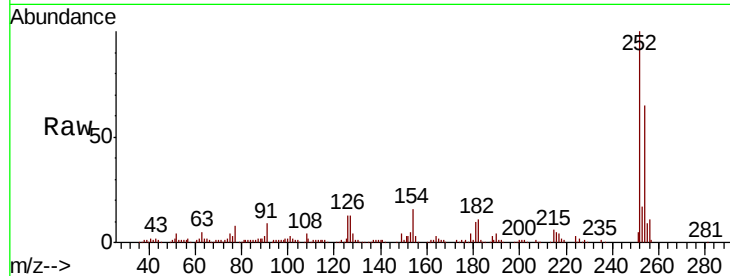




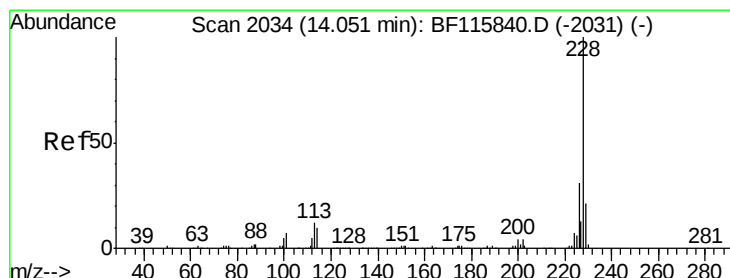
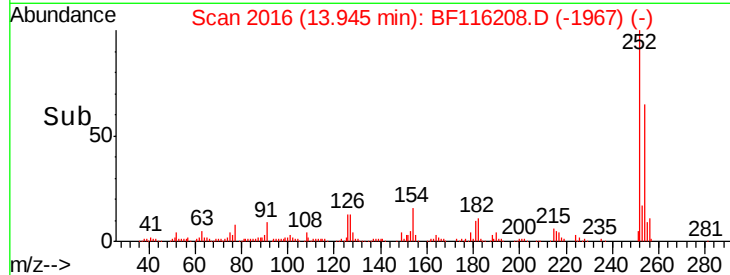
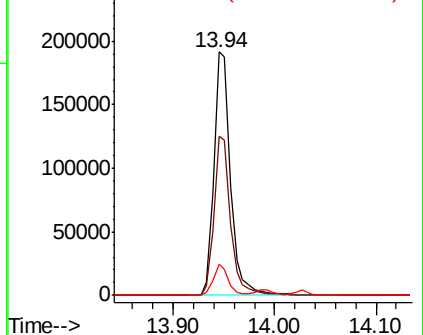
#82
 3,3'-Dichlorobenzidine
 Concen: 29.205 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. -0.01 min
 Lab File: BF116208.D
 Acq: 13 Aug 2019 00:08

Instrument :
 BNA_F
 ClientSampleId :
 2S-H1-H4-COMP-(0-1)MSD

Tot Ion:252 Resp: 220283
 Ion Ratio Lower Upper
 252 100
 254 65.2 50.9 76.3
 126 13.0 9.8 14.8

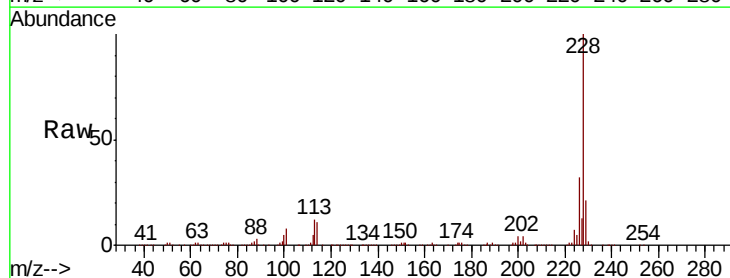


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

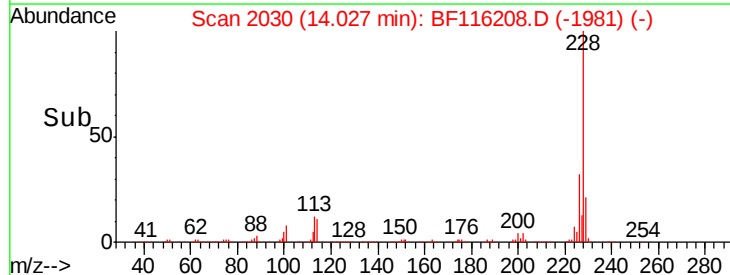
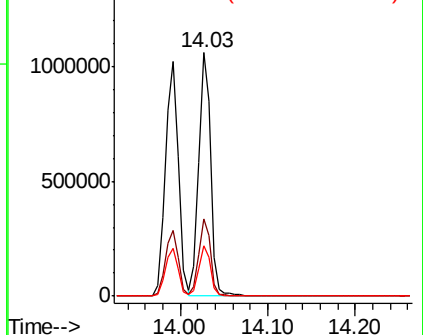


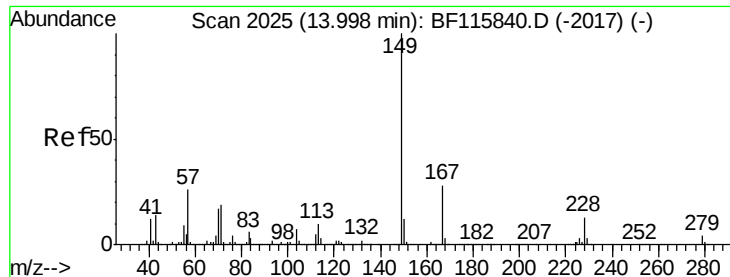
#83
 Chrysene
 Concen: 48.159 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF116208.D
 Acq: 13 Aug 2019 00:08

Tgt Ion:228 Resp: 1015081
 Ion Ratio Lower Upper
 228 100
 226 31.8 25.5 38.3
 229 20.8 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 59.008 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

Instrument :

BNA_F

ClientSampleId :

2S-H1-H4-COMP-(0-1)MSD

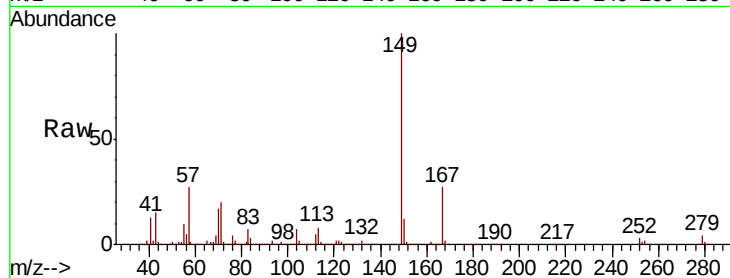
Tot Ion:149 Resp: 830532

Ion Ratio Lower Upper

149 100

167 27.2 21.6 32.4

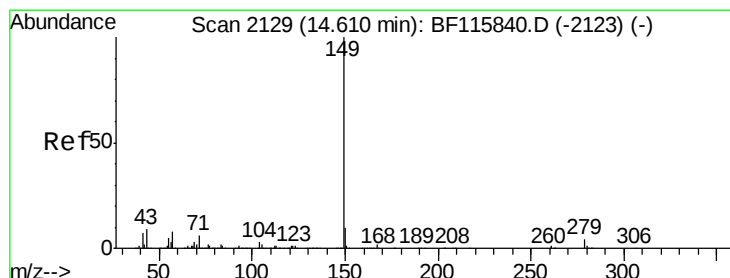
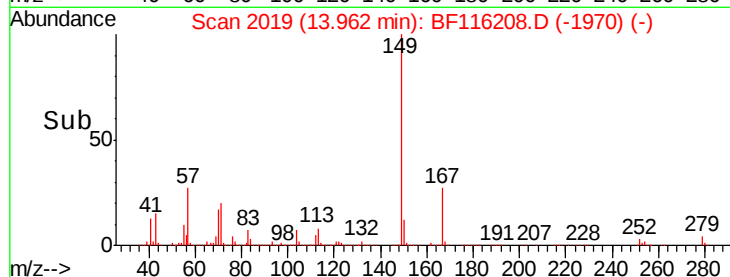
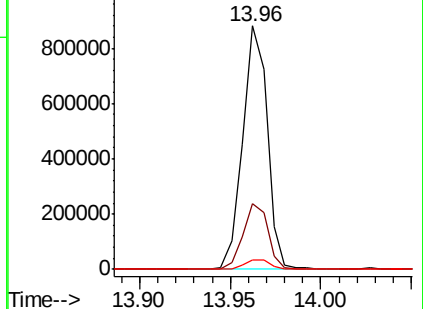
279 3.8 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 58.068 ng

RT: 14.57 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BF116208.D

Acq: 13 Aug 2019 00:08

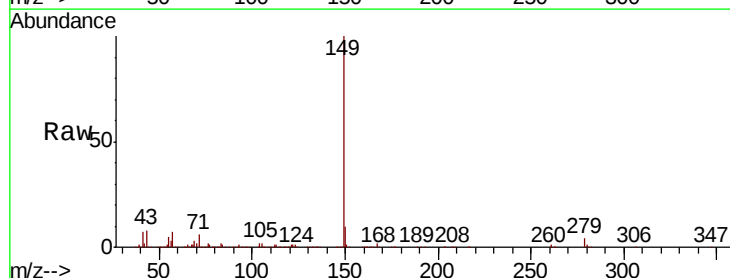
Tgt Ion:149 Resp: 1298170

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

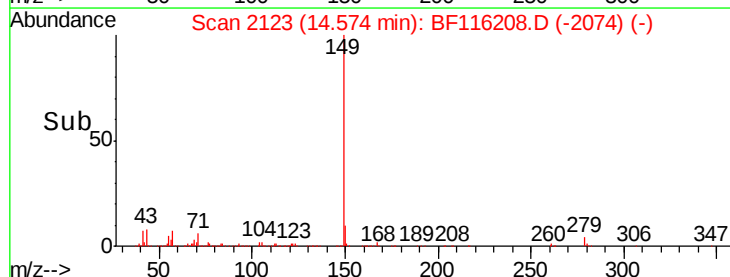
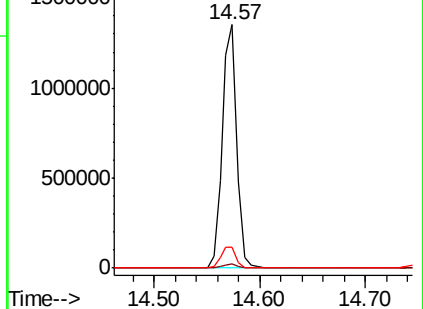
43 9.1 7.5 11.3

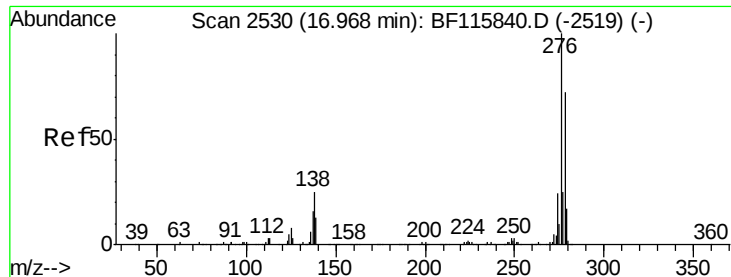


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

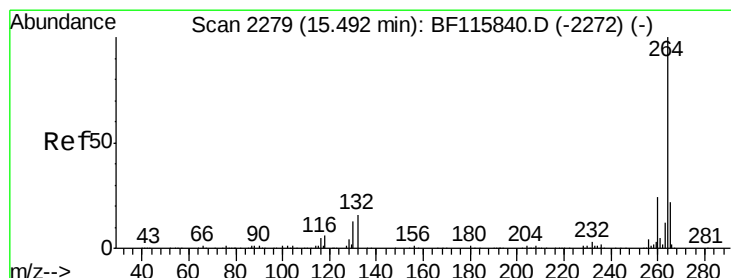
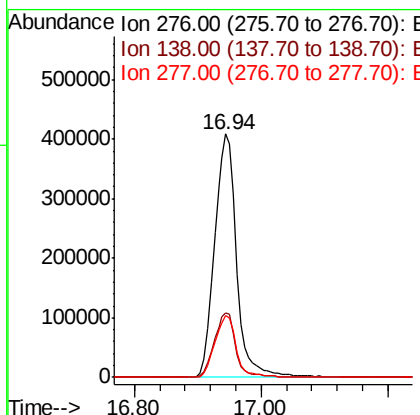
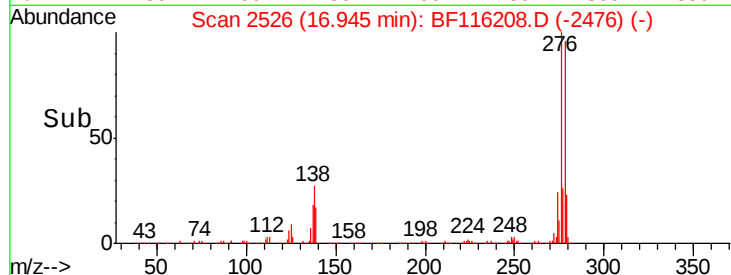
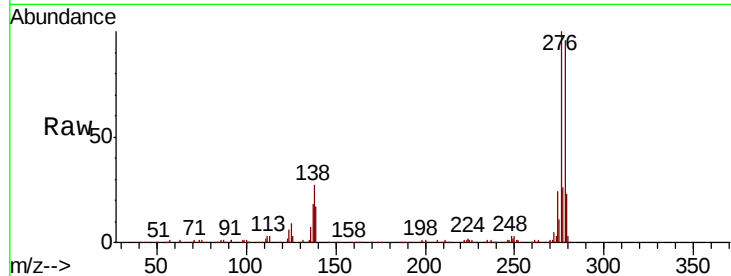




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 56.051 ng
 RT: 16.94 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF116208.D
 Acq: 13 Aug 2019 00:08

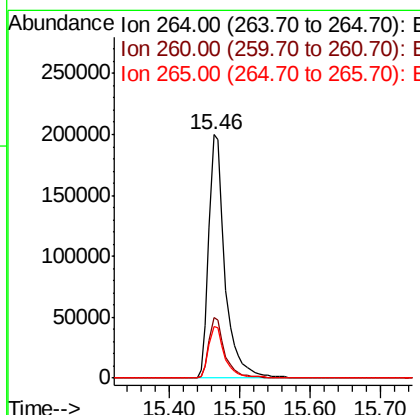
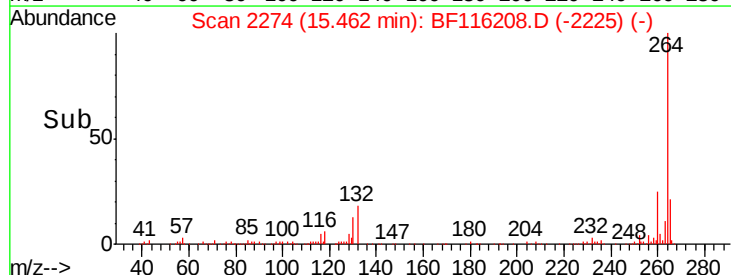
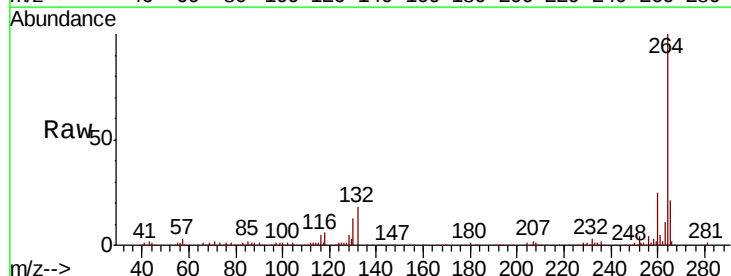
Instrument :
 BNA_F
 ClientSampleId :
 2S-H1-H4-COMP-(0-1)MSD

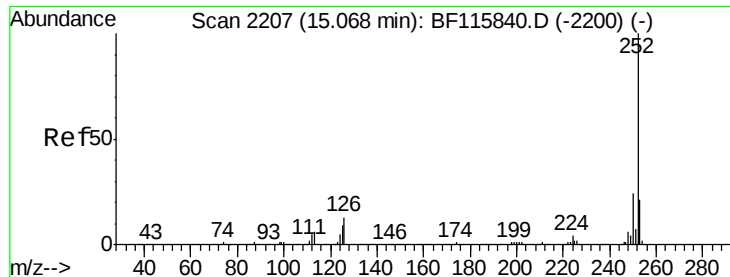
Tot Ion:276	Resp:	992269
Ion	Ratio	Lower Upper
276	100	
138	26.1	20.4 30.6
277	25.3	20.0 30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. -0.01 min
 Lab File: BF116208.D
 Acq: 13 Aug 2019 00:08

Tgt Ion:264	Resp:	320815
Ion	Ratio	Lower Upper
264	100	
260	24.6	19.7 29.5
265	21.3	17.4 26.0

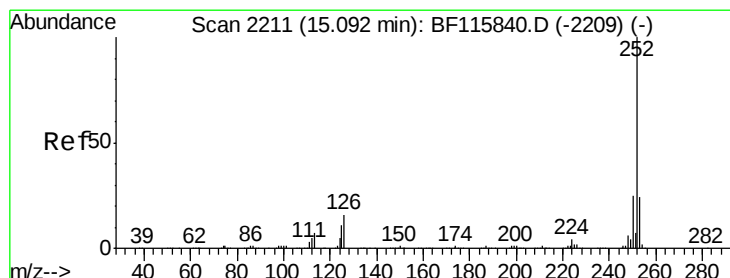
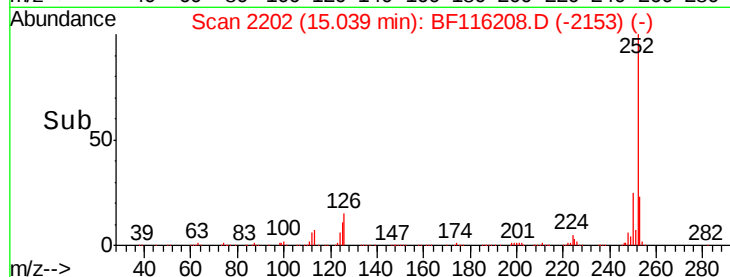
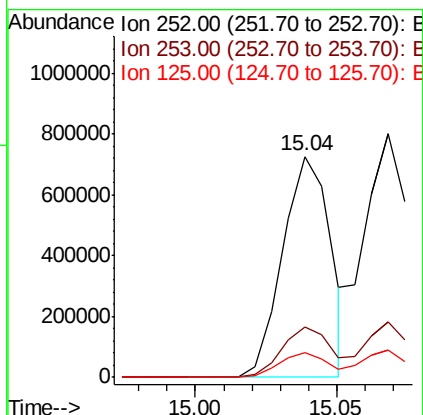
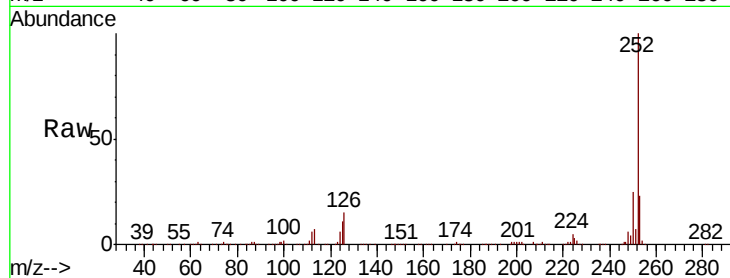




#88
Benzo(b)fluoranthene
Concen: 46.138 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

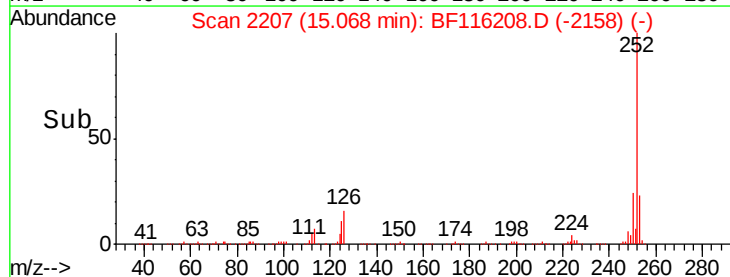
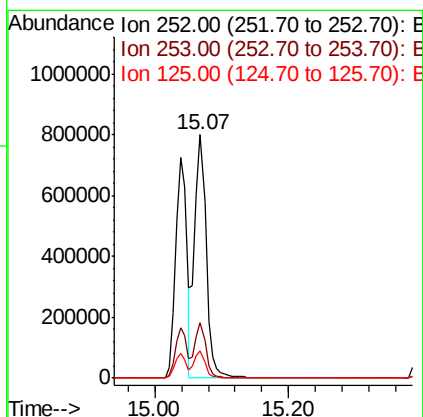
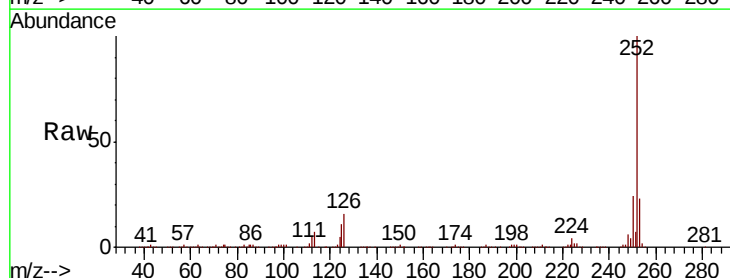
Instrument :
BNA_F
ClientSampleId :
2S-H1-H4-COMP-(0-1)MSD

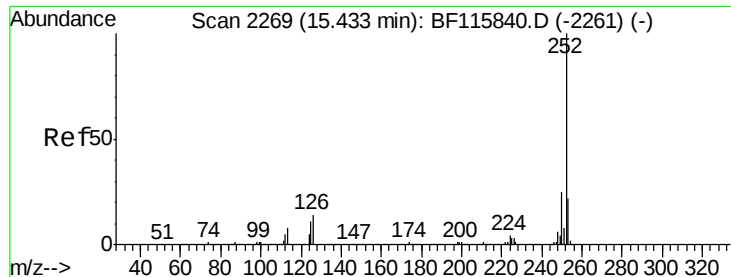
Tot Ion:252 Resp: 855853
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 11.2 8.4 12.6



#89
Benzo(k)fluoranthene
Concen: 51.775 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

Tgt Ion:252 Resp: 935463
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 11.0 7.7 11.5

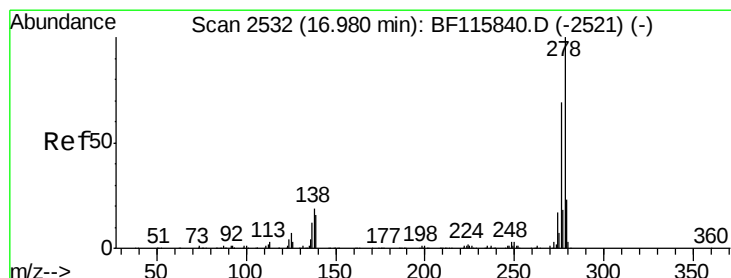
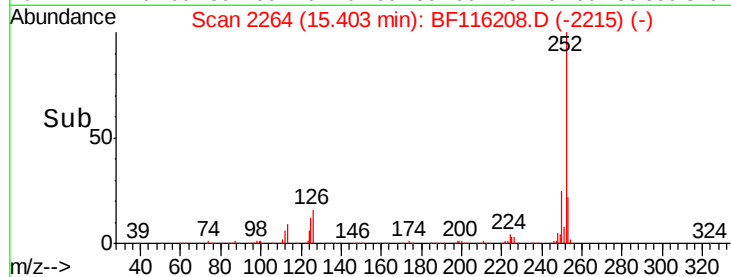
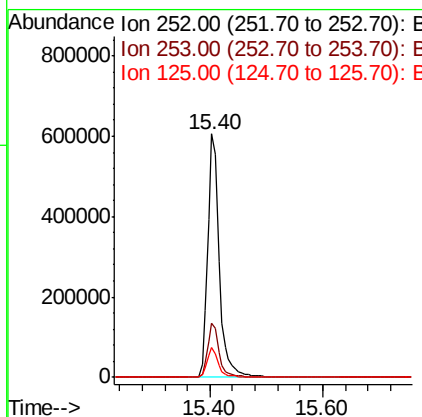
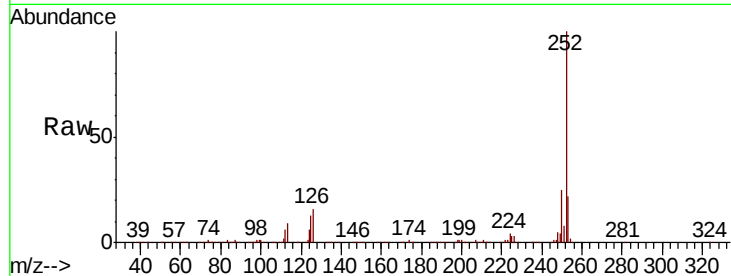




#90
Benzo(a)pyrene
Concen: 51.655 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

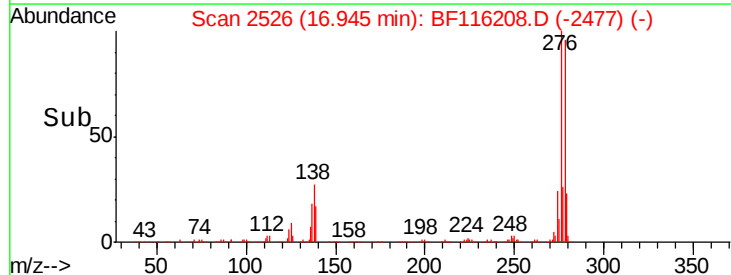
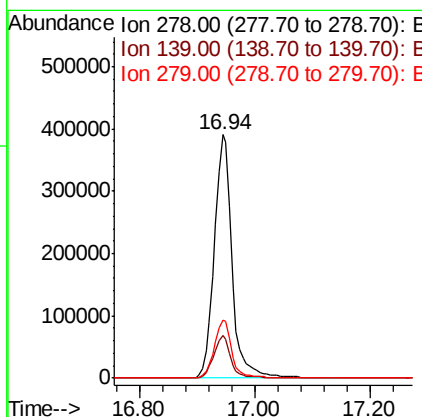
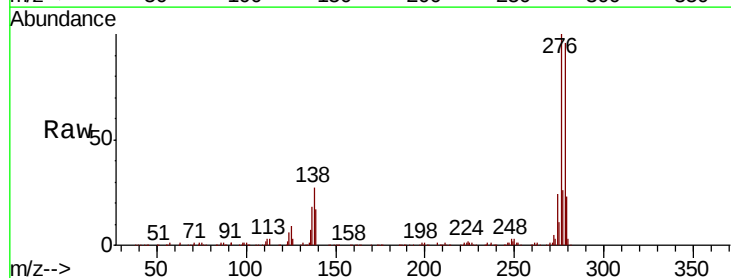
Instrument :
BNA_F
ClientSampleId :
2S-H1-H4-COMP-(0-1)MSD

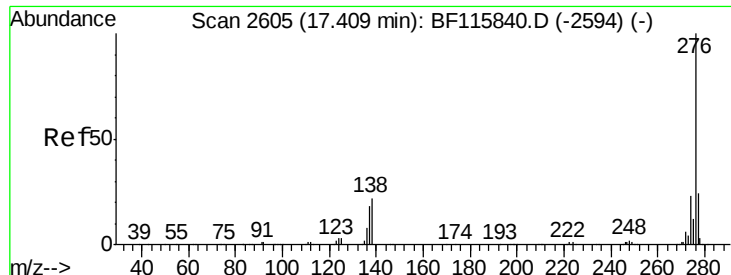
Tot Ion:252 Resp: 856547
Ion Ratio Lower Upper
252 100
253 22.0 18.0 27.0
125 12.5 8.9 13.3



#91
Dibenzo(a,h)anthracene
Concen: 58.313 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF116208.D
Acq: 13 Aug 2019 00:08

Tgt Ion:278 Resp: 837012
Ion Ratio Lower Upper
278 100
139 17.6 12.8 19.2
279 24.0 18.8 28.2

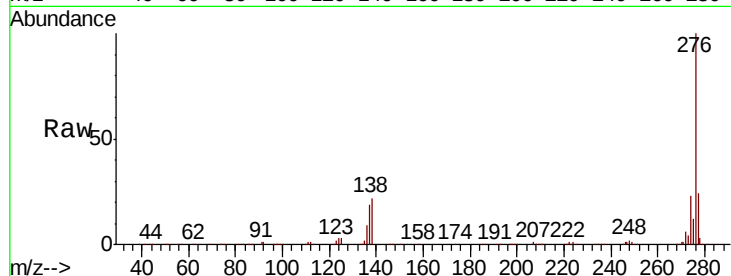




#92
 Benzo(a,h,i)perylene
 Concen: 59.686 ng
 RT: 17.39 min Scan# 2601
 Delta R.T. -0.00 min
 Lab File: BF116208.D
 Acq: 13 Aug 2019 00:08

Instrument :
 BNA_F
 ClientSampleId :
 2S-H1-H4-COMP-(0-1)MSD

Tot Ion: 276 Resp: 841369
 Ion Ratio Lower Upper
 276 100
 277 23.9 18.4 27.6
 138 22.0 17.0 25.6



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

