

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116013.D
 Acq On : 6 Aug 2019 15:16
 Operator : HP/JU
 Sample : K4135-16MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 07 01:14:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	140627	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	540793	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	284101	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	481736	20.00	ng	-0.02
76) Chrysene-d12	14.01	240	288026	20.00	ng	-0.02
87) Perylene-d12	15.47	264	380535	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	993353	118.25	ng	0.00
7) Phenol-d6	6.49	99	1324264	124.95	ng	0.00
23) Nitrobenzene-d5	7.41	82	850693	90.80	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	346169	125.68	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	1389068	91.58	ng	-0.02
79) Terphenyl-d14	12.94	244	1361169	99.58	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.64	88	132504	31.223	ng	98
3) Pyridine	3.41	79	356914	30.107	ng	98
4) n-Nitrosodimethylamine	3.34	42	168566	36.032	ng	100
6) Aniline	6.51	93	457839	30.164	ng	97
8) 2-Chlorophenol	6.63	128	377813	40.673	ng	98
9) Benzaldehyde	6.39	77	209264	28.616	ng	97
10) Phenol	6.50	94	492408	39.453	ng	92
11) bis(2-Chloroethyl)ether	6.58	93	369864	40.308	ng	99
12) 1,3-Dichlorobenzene	6.79	146	403612	37.596	ng	99
13) 1,4-Dichlorobenzene	6.86	146	411994	38.329	ng	98
14) 1,2-Dichlorobenzene	7.02	146	381402	38.535	ng	99
15) Benzyl Alcohol	6.99	79	330669	41.112	ng	100
16) 2,2'-oxybis(1-Chloropropan	7.12	45	494049	39.473	ng	92
17) 2-Methylphenol	7.10	107	320590	40.759	ng	99
18) Hexachloroethane	7.36	117	150585	38.050	ng	98
19) n-Nitroso-di-n-propylamine	7.26	70	263785	40.164	ng	98
20) 3+4-Methylphenols	7.25	107	385416	41.408	ng	# 81
22) Acetophenone	7.25	105	514867	43.411	ng	98
24) Nitrobenzene	7.43	77	425279	42.040	ng	97
25) Isophorone	7.66	82	770379	43.003	ng	99
26) 2-Nitrophenol	7.75	139	210490	44.142	ng	95
27) 2,4-Dimethylphenol	7.78	122	345493	48.158	ng	100
28) bis(2-Chloroethoxy)methane	7.87	93	473898	42.679	ng	99
29) 2,4-Dichlorophenol	7.99	162	332839	43.939	ng	98
30) 1,2,4-Trichlorobenzene	8.07	180	354775	41.087	ng	98
31) Naphthalene	8.15	128	1089045	42.794	ng	99
32) Benzoic acid	7.89	122	67945	13.433	ng	99
33) 4-Chloroaniline	8.19	127	330626	29.077	ng	99
34) Hexachlorobutadiene	8.26	225	200493	40.312	ng	98
35) Caprolactam	8.56	113	56624	23.112	ng	95
36) 4-Chloro-3-methylphenol	8.68	107	350999	44.541	ng	95
37) 2-Methylnaphthalene	8.84	142	738793	44.080	ng	99
38) 1-Methylnaphthalene	8.94	142	695665	43.875	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	335378	44.157	ng	99

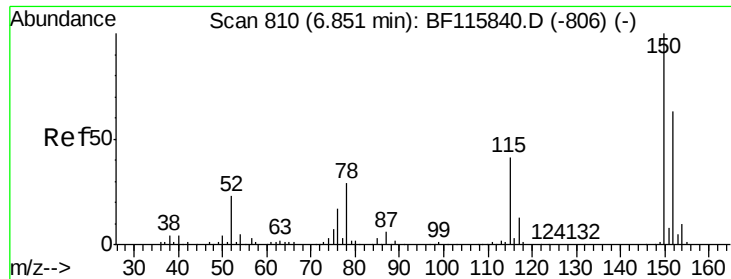
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116013.D
 Acq On : 6 Aug 2019 15:16
 Operator : HP/JU
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 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.99	237	177497	54.125	ng	97
43) 2,4,6-Trichlorophenol	9.12	196	217412	41.587	ng	99
44) 2,4,5-Trichlorophenol	9.16	196	233634	43.233	ng	97
46) 1,1'-Biphenyl	9.30	154	898694	44.806	ng	99
47) 2-Chloronaphthalene	9.33	162	702193	42.063	ng	99
48) 2-Nitroaniline	9.42	65	227235	41.181	ng	91
49) Acenaphthylene	9.74	152	1073810	44.091	ng	100
50) Dimethylphthalate	9.60	163	970138	50.152	ng	100
51) 2,6-Dinitrotoluene	9.66	165	185865	44.214	ng	# 87
52) Acenaphthene	9.92	154	685563	45.884	ng	99
53) 3-Nitroaniline	9.83	138	165472	31.856	ng	91
54) 2,4-Dinitrophenol	9.95	184	68866	36.876	ng	96
55) Dibenzofuran	10.09	168	982835	45.233	ng	98
56) 4-Nitrophenol	10.01	139	281094	84.476	ng	94
57) 2,4-Dinitrotoluene	10.07	165	240487	42.967	ng	95
58) Fluorene	10.43	166	782811	46.827	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.21	232	190683	41.941	ng	99
60) Diethylphthalate	10.30	149	819930	45.400	ng	99
61) 4-Chlorophenyl-phenylether	10.42	204	372610	44.010	ng	100
62) 4-Nitroaniline	10.45	138	208226	38.790	ng	97
63) Azobenzene	10.58	77	824717	44.397	ng	95
65) 4,6-Dinitro-2-methylphenol	10.49	198	81561	31.949	ng	96
66) n-Nitrosodiphenylamine	10.54	169	670205	46.222	ng	99
67) 4-Bromophenyl-phenylether	10.90	248	229666	44.535	ng	99
68) Hexachlorobenzene	10.98	284	249482	41.837	ng	99
69) Atrazine	11.06	200	214759	45.021	ng	97
70) Pentachlorophenol	11.18	266	190222	65.704	ng	99
71) Phenanthrene	11.39	178	1692368	68.719	ng	99
72) Anthracene	11.44	178	1253538	50.294	ng	99
73) Carbazole	11.60	167	996501	44.069	ng	99
74) Di-n-butylphthalate	11.92	149	1215108	46.065	ng	100
75) Fluoranthene	12.59	202	1859324	72.116	ng	98
77) Benzidine	12.70	184	544022	55.908	ng	97
78) Pyrene	12.82	202	1727522	79.566	ng	98
80) Butylbenzylphthalate	13.42	149	463893	50.510	ng	96
81) Benzo(a)anthracene	14.00	228	1209529	65.701	ng	98
82) 3,3'-Dichlorobenzidine	13.96	252	240932	37.670	ng	99
83) Chrysene	14.03	228	1105411	61.849	ng	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	633163	53.052	ng	99
85) Di-n-octyl phthalate	14.59	149	1034389	54.566	ng	100
86) Indeno(1,2,3-cd)pyrene	16.95	276	1321931	88.062	ng	99
88) Benzo(b)fluoranthene	15.05	252	1334210	60.638	ng	# 96
89) Benzo(k)fluoranthene	15.07	252	950720	44.362	ng	99
90) Benzo(a)pyrene	15.42	252	1179015	59.943	ng	98
91) Dibenzo(a,h)anthracene	16.96	278	946322	55.582	ng	98
92) Benzo(g,h,i)perylene	17.39	276	1126241	67.356	ng	99

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

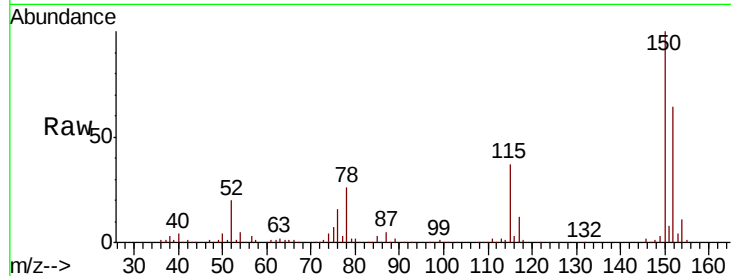


#1

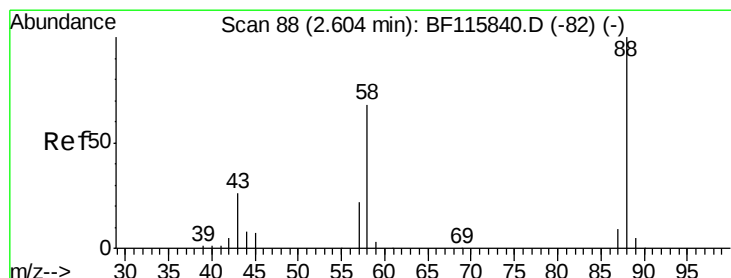
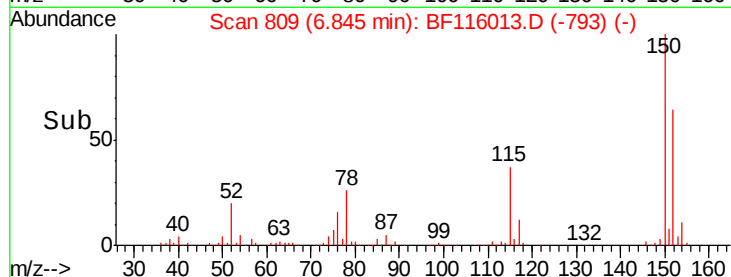
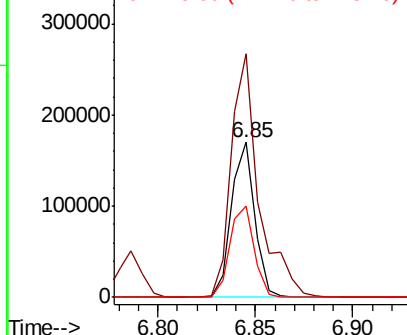
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 140627
Ion Ratio Lower Upper
152 100
150 156.9 127.4 191.0
115 58.7 51.8 77.8



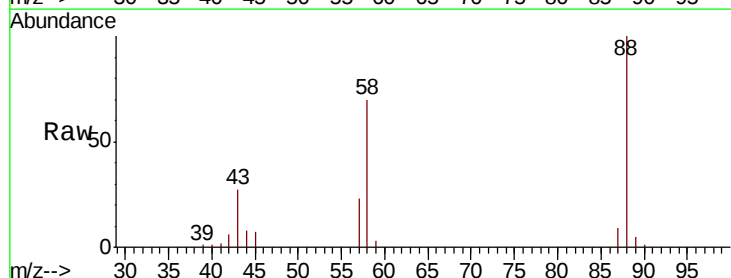
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



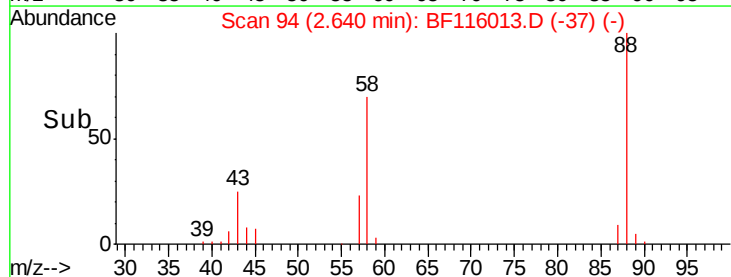
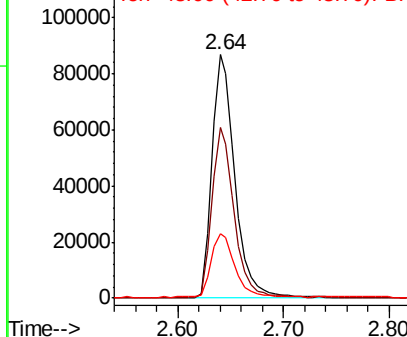
#2

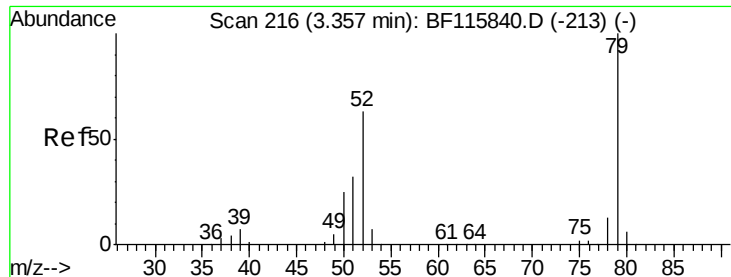
1,4-Dioxane
Concen: 31.223 ng
RT: 2.64 min Scan# 94
Delta R.T. 0.04 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Tgt Ion: 88 Resp: 132504
Ion Ratio Lower Upper
88 100
58 68.8 54.1 81.1
43 26.8 20.7 31.1



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: 30.107 ng

RT: 3.41 min Scan# 225

Delta R.T. 0.05 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

Instrument :

BNA_F

ClientSampled :

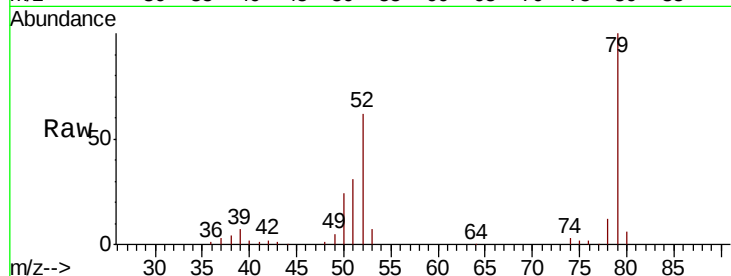
Tot Ion: 79 Resp: 356914

Ion Ratio Lower Upper

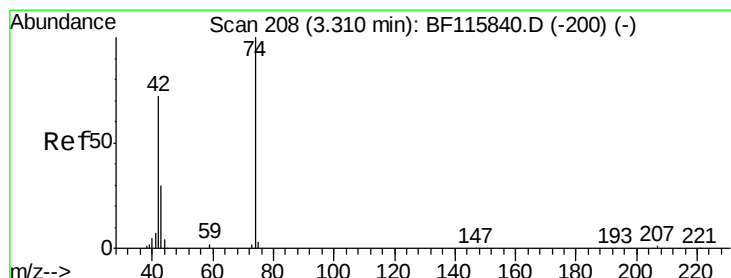
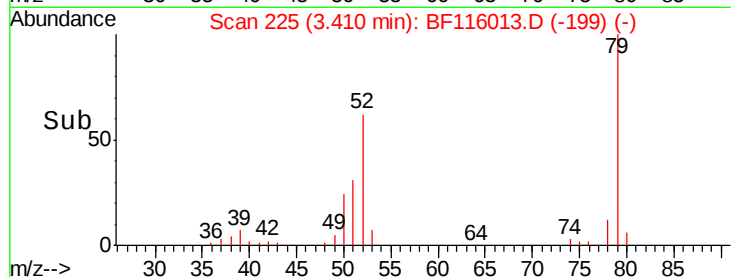
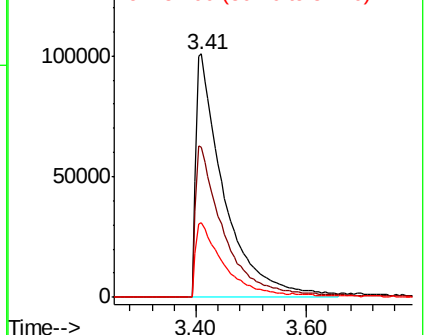
79 100

52 61.6 50.2 75.4

51 30.7 25.8 38.6



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: 36.032 ng

RT: 3.34 min Scan# 213

Delta R.T. 0.03 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

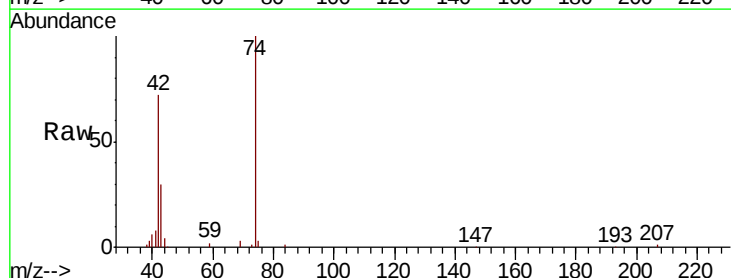
Tgt Ion: 42 Resp: 168566

Ion Ratio Lower Upper

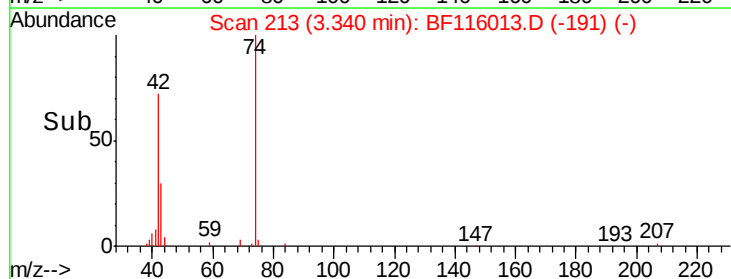
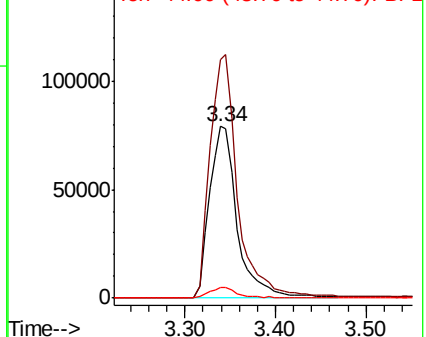
42 100

74 138.6 111.0 166.4

44 6.1 4.7 7.1



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: 118.251 ng

RT: 5.47 min Scan# 576

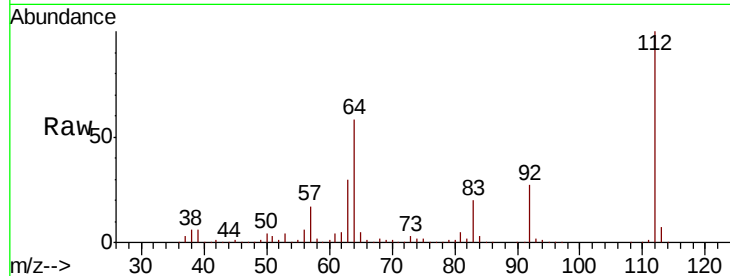
Delta R.T. 0.01 min

Lab File: BF116013.D

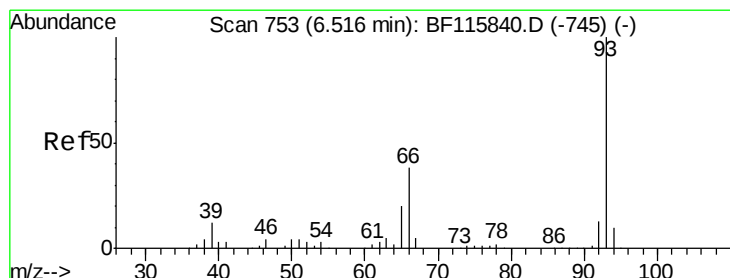
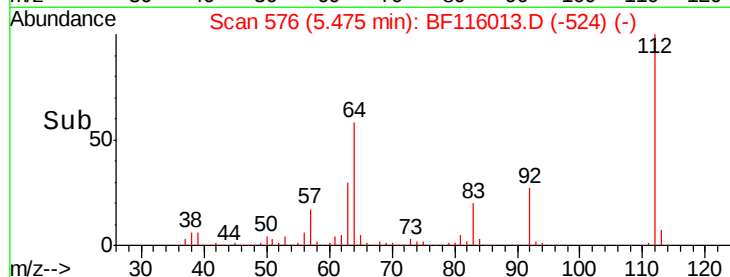
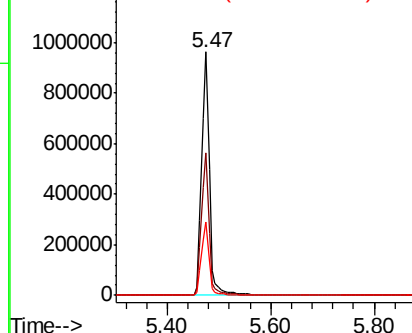
Acq: 6 Aug 2019 15:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:	112	Resp:	993353
Ion	Ratio	Lower	Upper
112	100		
64	58.3	46.8	70.2
63	30.3	24.2	36.2



Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 30.164 ng

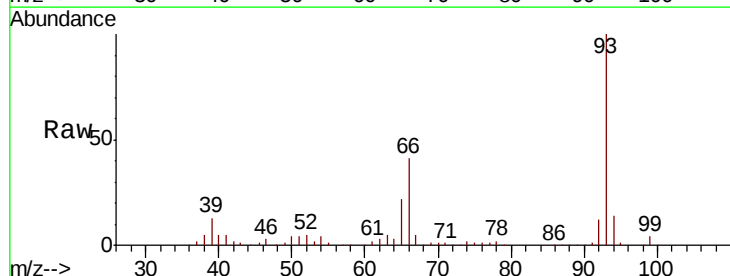
RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

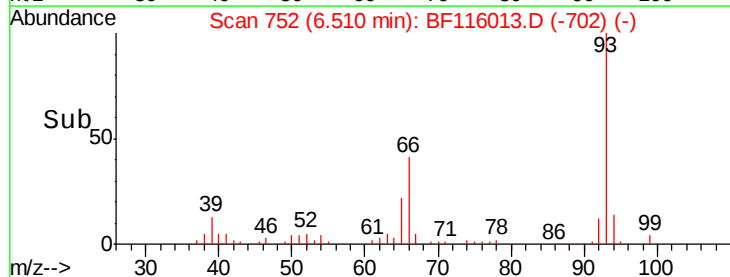
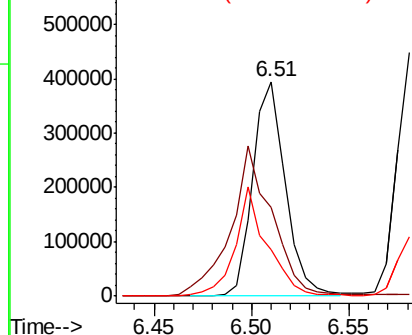
Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

Tgt Ion:	93	Resp:	457839
Ion	Ratio	Lower	Upper
93	100		
66	41.4	31.4	47.0
65	21.7	16.5	24.7



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: 124.948 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

Instrument :

BNA_F

ClientSampled :

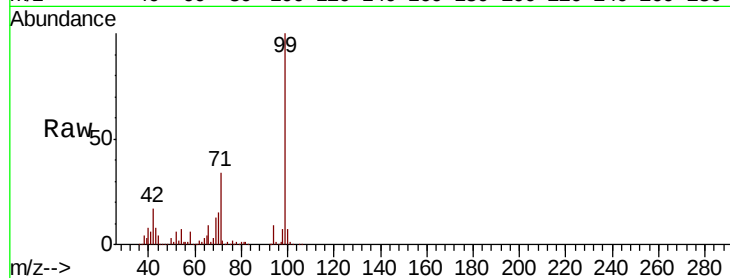
Tot Ion: 99 Resp: 1324264

Ion Ratio Lower Upper

99 100

42 17.3 13.8 20.6

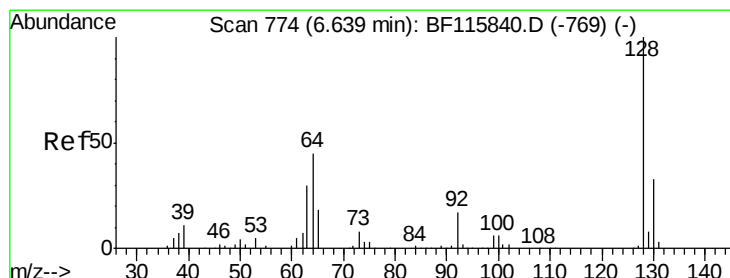
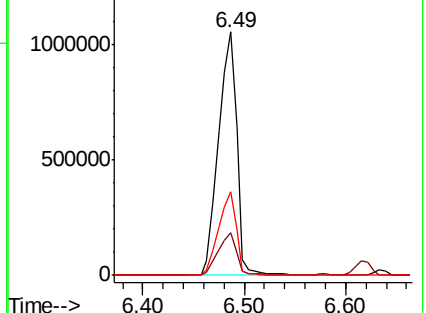
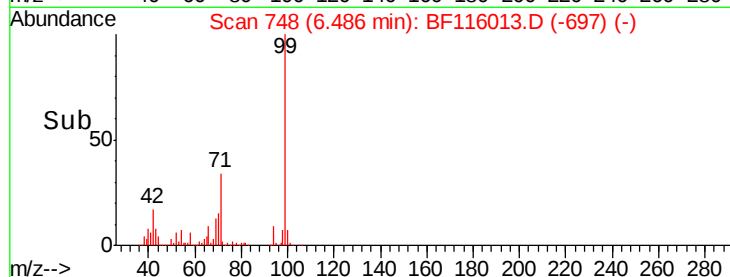
71 34.4 27.1 40.7



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: 40.673 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

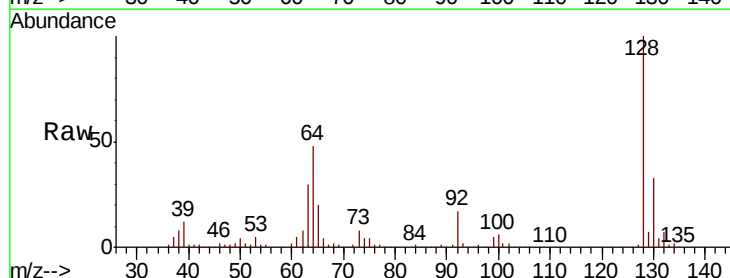
Tgt Ion:128 Resp: 377813

Ion Ratio Lower Upper

128 100

130 33.1 12.9 52.9

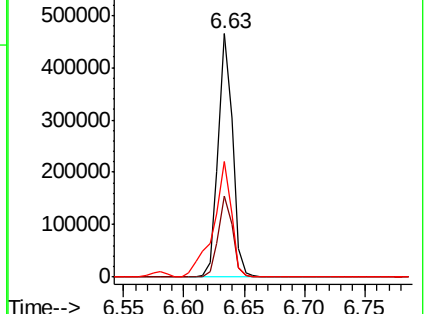
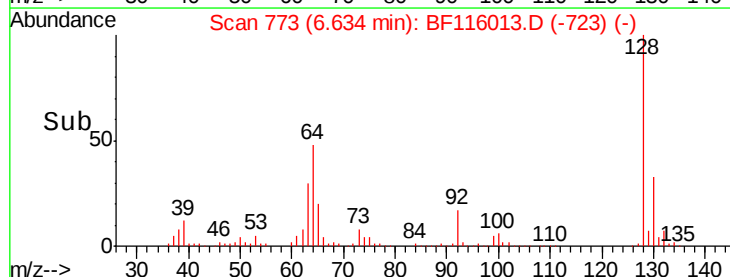
64 47.7 26.1 66.1

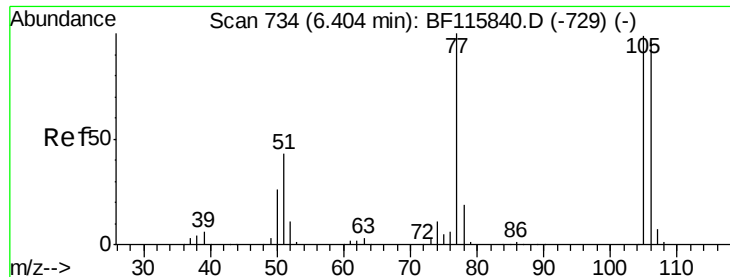


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1

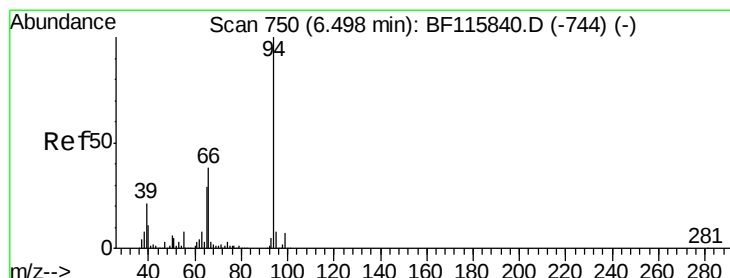
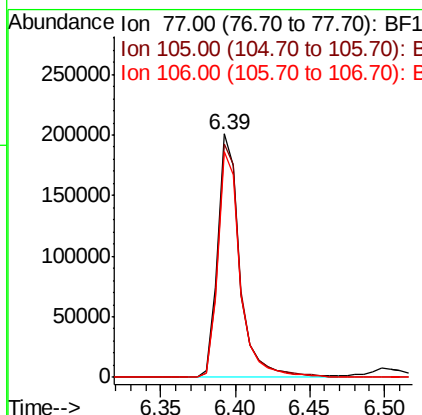
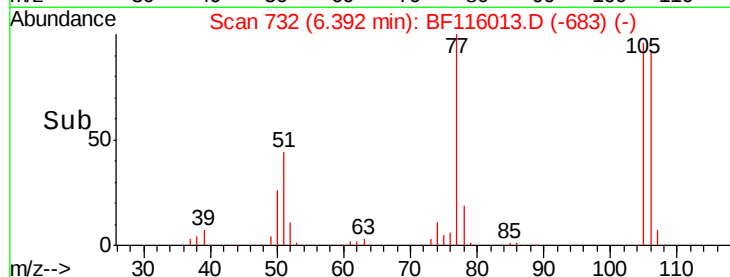
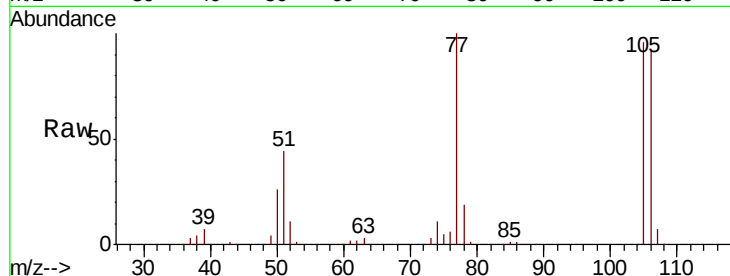




#9
Benzaldehyde
Concen: 28.616 ng
RT: 6.39 min Scan# 732
Delta R.T. -0.01 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

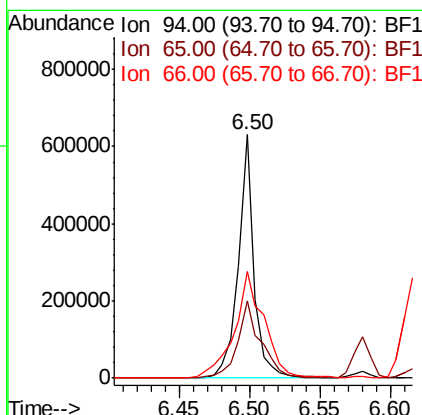
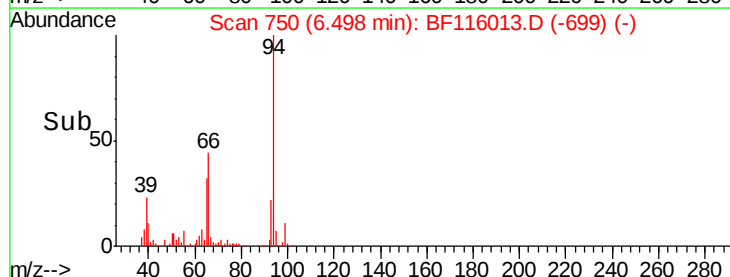
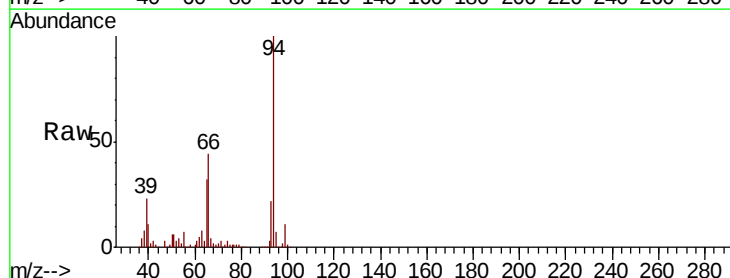
Instrument :
BNA_F
ClientSampled :

Tot Ion: 77 Resp: 209264
Ion Ratio Lower Upper
77 100
105 96.0 79.0 119.0
106 92.5 76.2 116.2



#10
Phenol
Concen: 39.453 ng
RT: 6.50 min Scan# 750
Delta R.T. 0.00 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Tgt Ion: 94 Resp: 492408
Ion Ratio Lower Upper
94 100
65 32.0 8.9 48.9
66 43.8 18.0 58.0





#11

bis(2-Chloroethyl)ether

Concen: 40.308 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

Instrument :

BNA_F

ClientSampled :

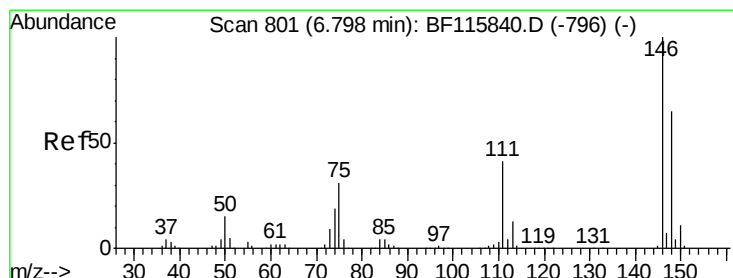
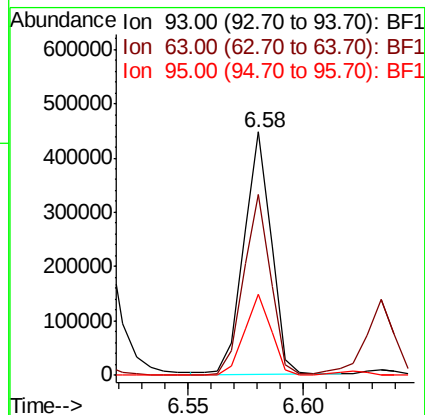
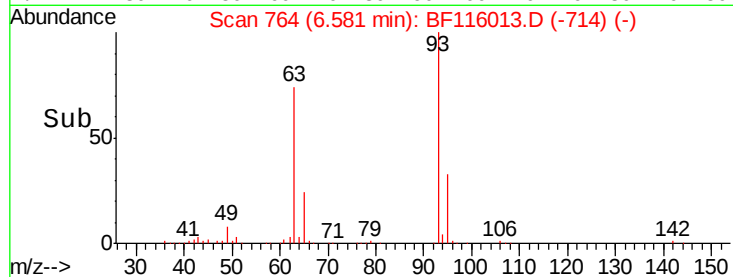
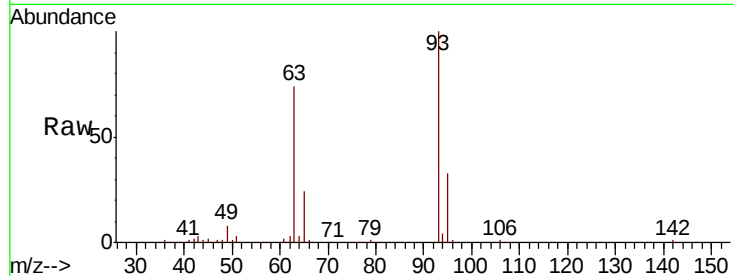
Tot Ion: 93 Resp: 369864

Ion Ratio Lower Upper

93 100

63 74.1 54.9 94.9

95 33.2 13.3 53.3



#12

1,3-Dichlorobenzene

Concen: 37.596 ng

RT: 6.79 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

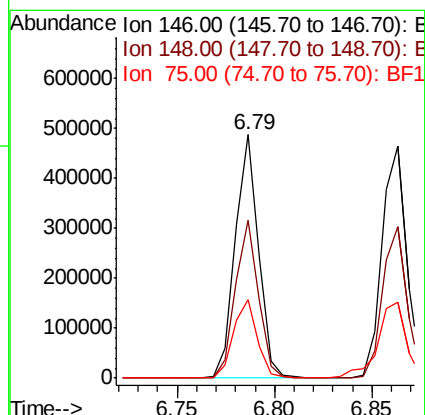
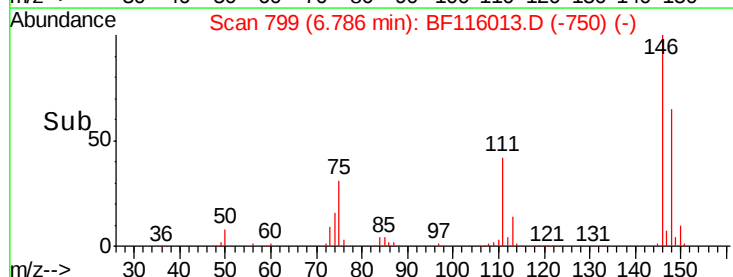
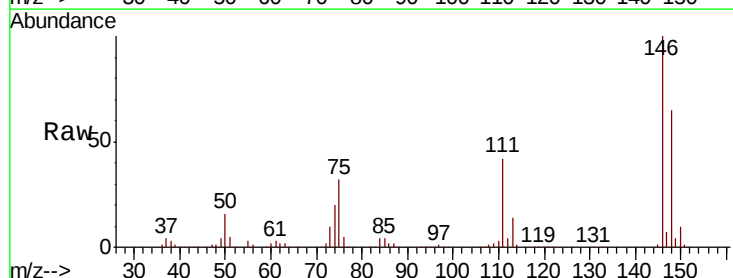
Tgt Ion: 146 Resp: 403612

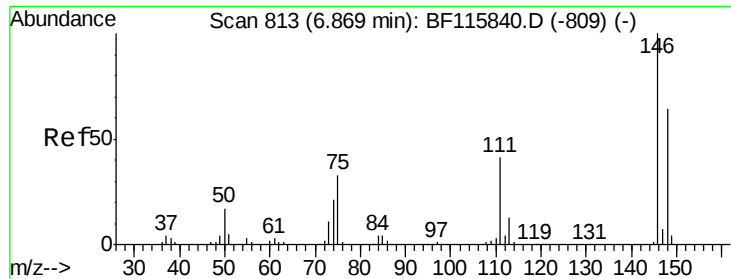
Ion Ratio Lower Upper

146 100

148 64.9 52.1 78.1

75 32.4 25.0 37.6

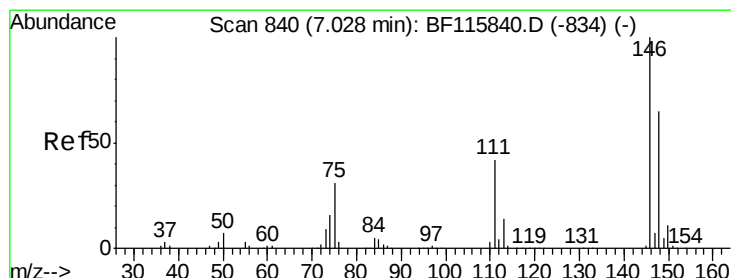
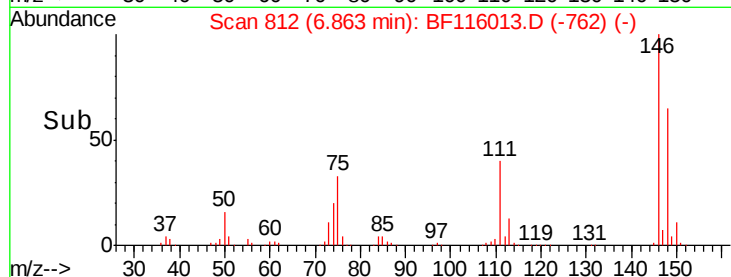
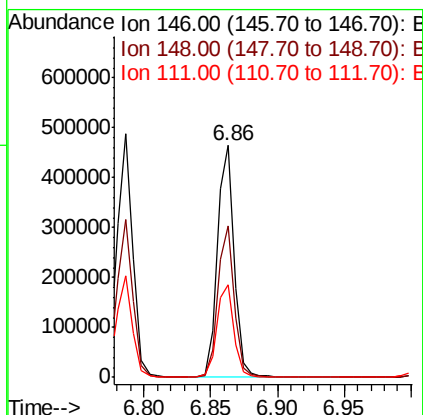
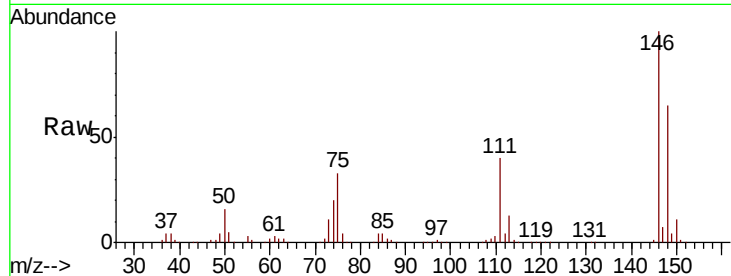




#13
 1,4-Dichlorobenzene
 Concen: 38.329 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF116013.D
 Acq: 6 Aug 2019 15:16

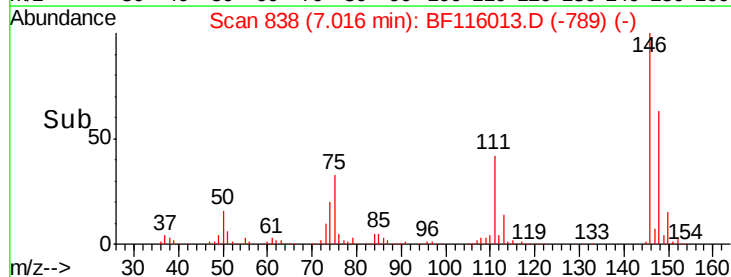
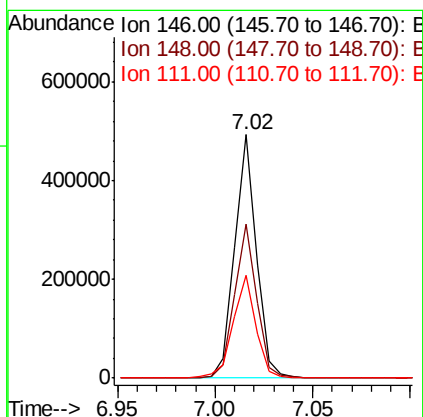
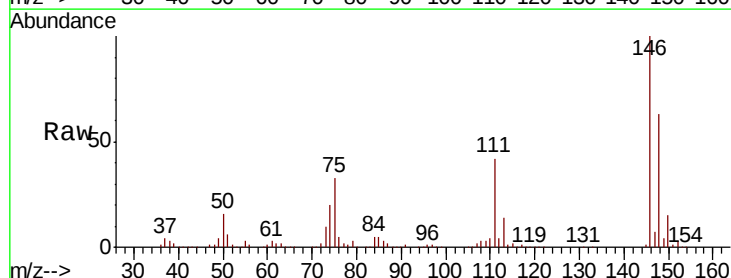
Instrument :
 BNA_F
 ClientSampleId :

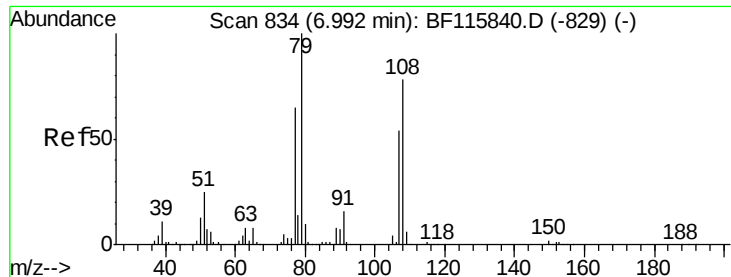
Tot Ion:146 Resp: 411994
 Ion Ratio Lower Upper
 146 100
 148 65.2 51.2 76.8
 111 40.1 33.2 49.8



#14
 1,2-Dichlorobenzene
 Concen: 38.535 ng
 RT: 7.02 min Scan# 838
 Delta R.T. -0.01 min
 Lab File: BF116013.D
 Acq: 6 Aug 2019 15:16

Tgt Ion:146 Resp: 381402
 Ion Ratio Lower Upper
 146 100
 148 63.4 51.6 77.4
 111 42.5 33.6 50.4





#15

Benzyl Alcohol

Concen: 41.112 ng

RT: 6.99 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

Instrument :

BNA_F

ClientSampleId :

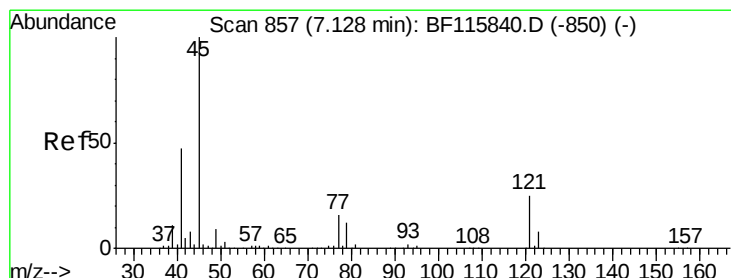
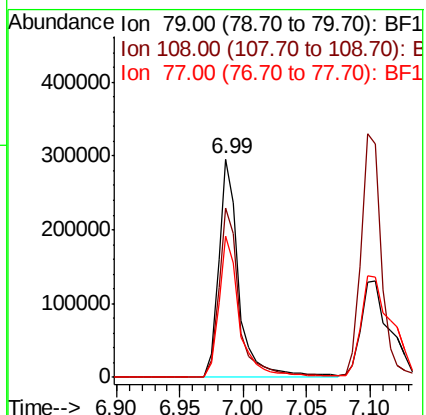
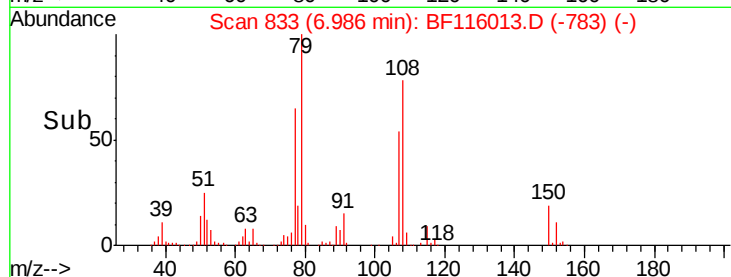
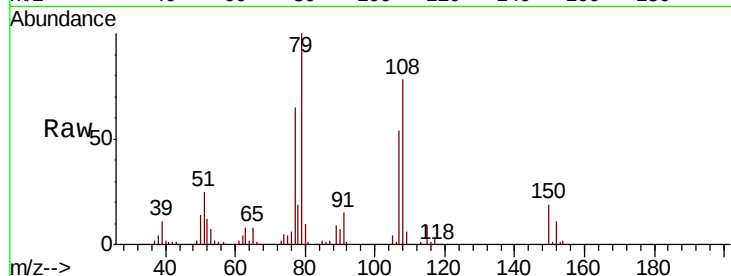
Tot Ion: 79 Resp: 330669

Ion Ratio Lower Upper

79 100

108 77.9 62.8 94.2

77 64.8 52.0 78.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.473 ng

RT: 7.12 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

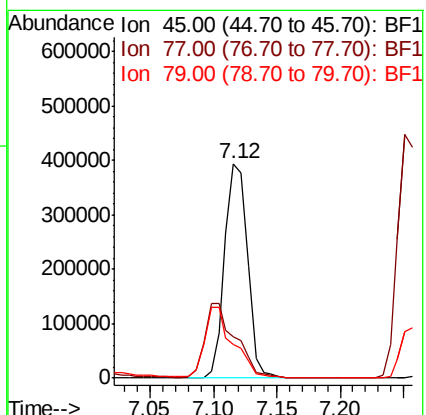
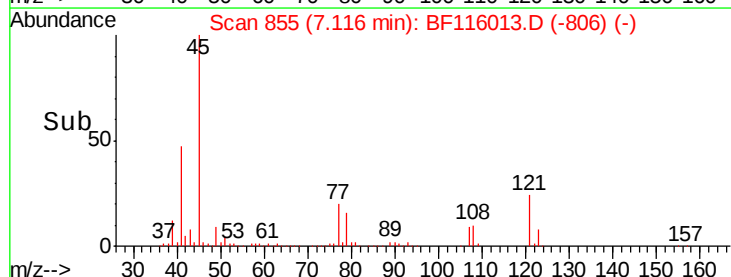
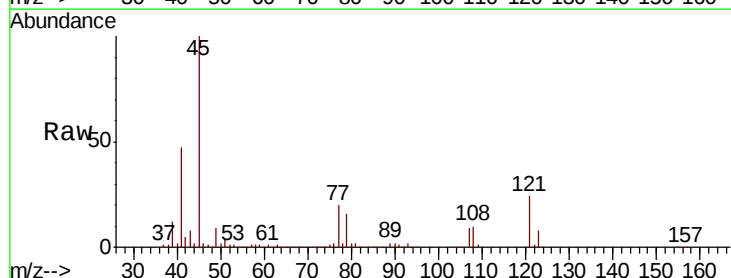
Tgt Ion: 45 Resp: 494049

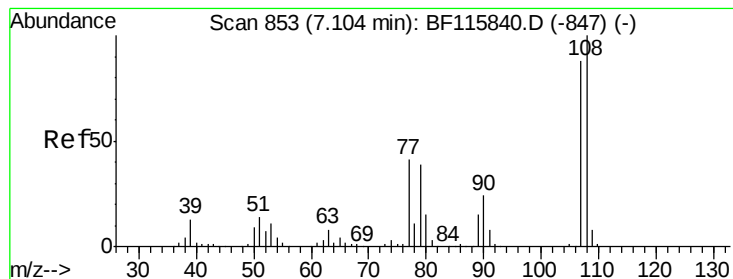
Ion Ratio Lower Upper

45 100

77 19.5 0.0 36.3

79 15.8 0.0 32.5

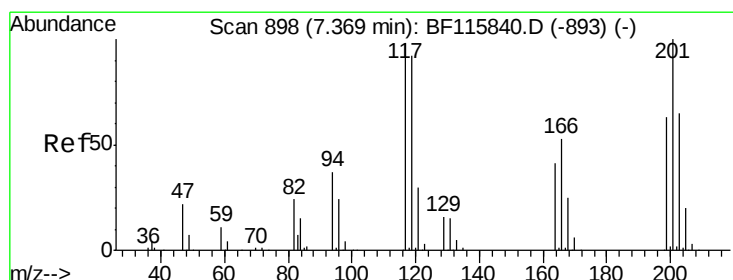
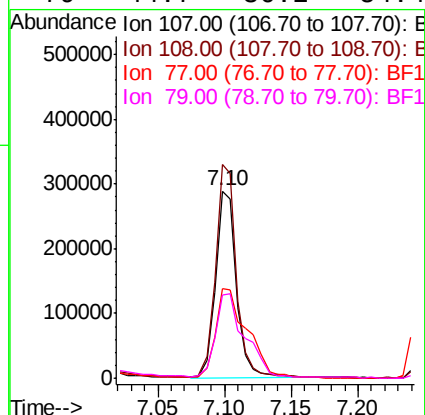
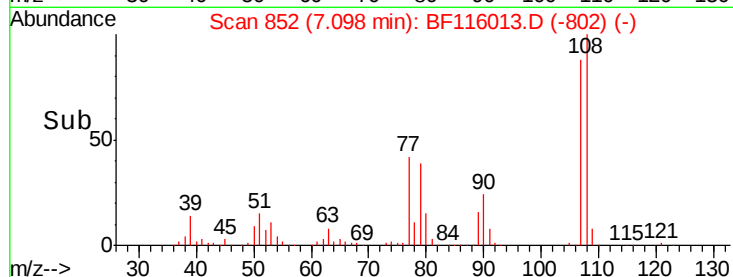
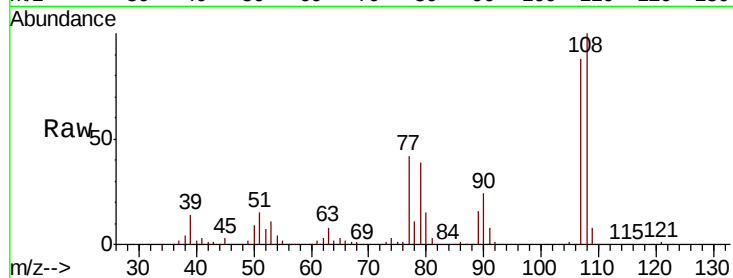




#17
2-Methylphenol
Concen: 40.759 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

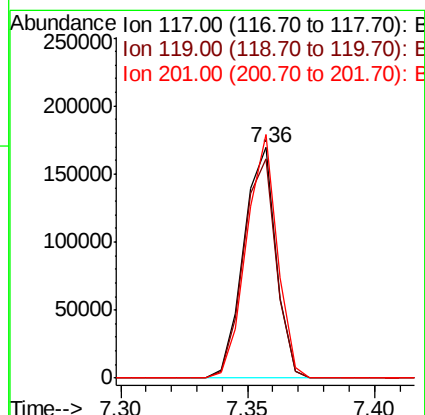
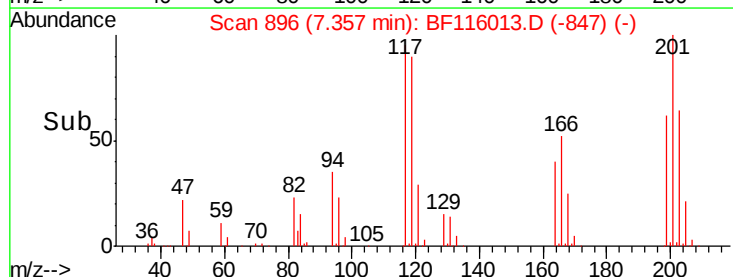
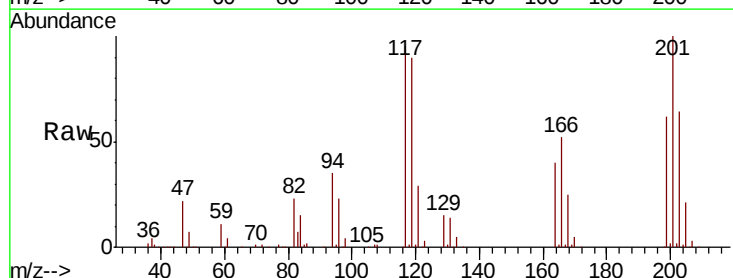
Instrument :
BNA_F
ClientSampled :

Tot Ion:	107	Resp:	320590
Ion	Ratio	Lower	Upper
107	100		
108	114.0	91.4	137.0
77	47.6	37.6	56.4
79	44.7	36.2	54.4



#18
Hexachloroethane
Concen: 38.050 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Tgt Ion:	117	Resp:	150585
Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.8	113.6
201	105.7	82.0	123.0

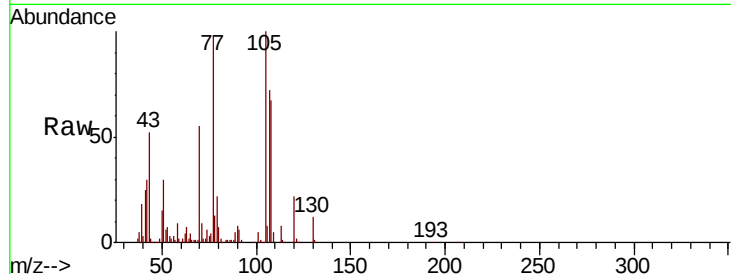




#19
n-Nitroso-di-n-propylamine
Concen: 40.164 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
70	100		
42	54.3	41.8	62.8
101	9.7	7.7	11.5
130	21.2	17.8	26.6



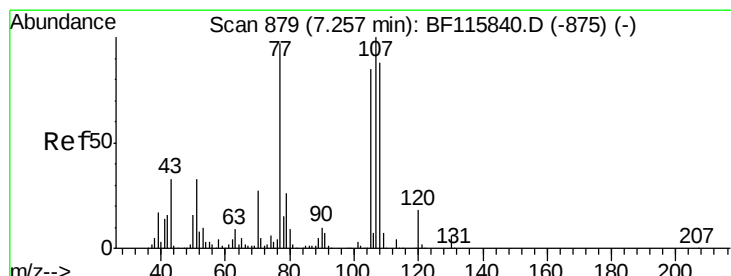
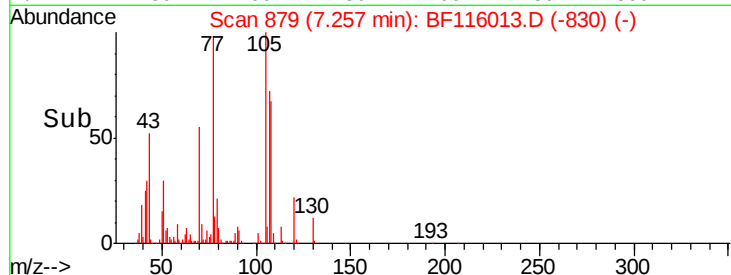
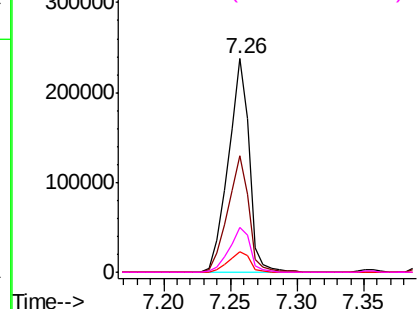
Abundance

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: 41.408 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.1	67.9	107.9
77	137.3	77.3	117.3#
79	26.4	6.6	46.6

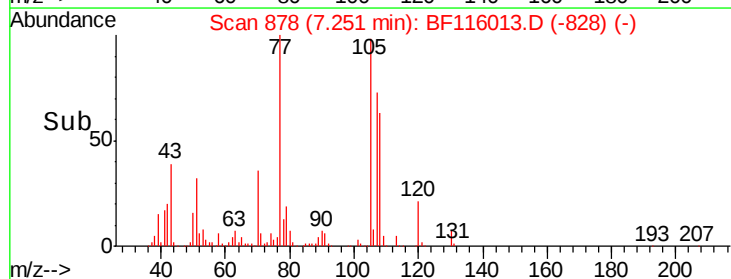
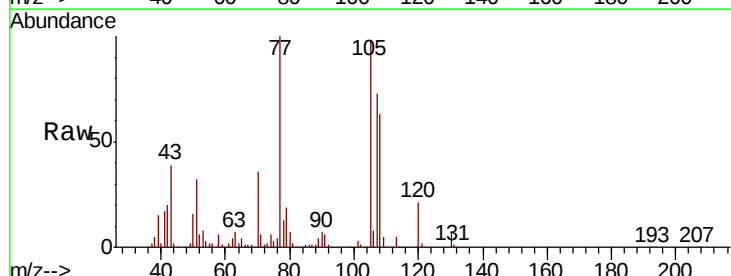
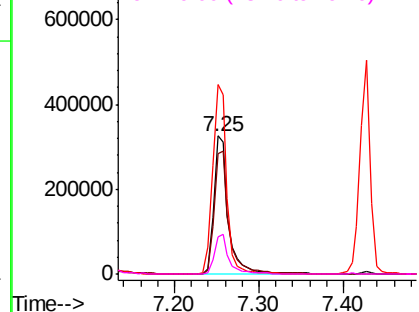
Abundance

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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 540793

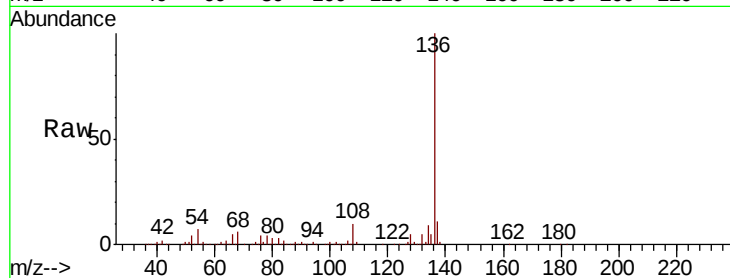
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 6.5 6.1 9.1

68 5.5 5.4 8.2

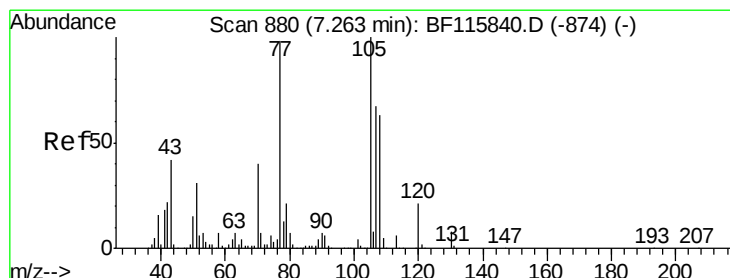
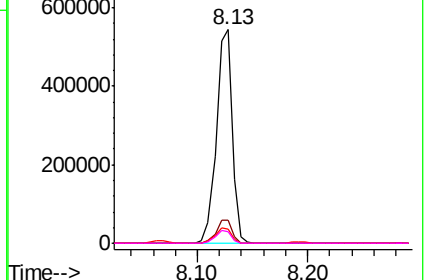
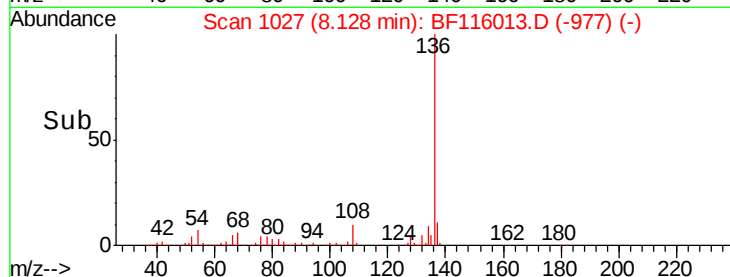


Abundance Ion 136.00 (135.70 to 136.70): E

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: 43.411 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

Tgt Ion:105 Resp: 514867

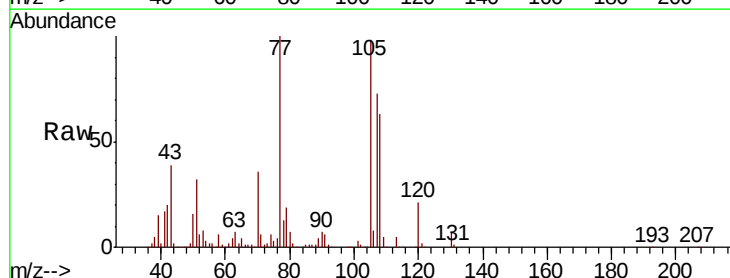
Ion Ratio Lower Upper

105 100

71 6.1 5.4 8.0

51 32.6 24.6 36.8

120 21.9 17.0 25.6

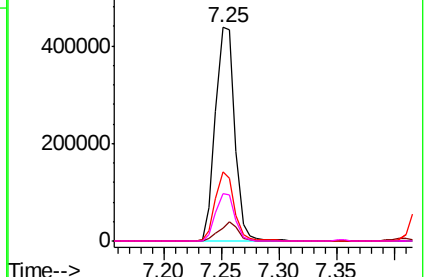
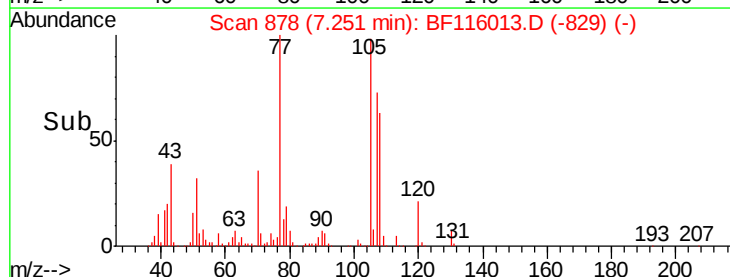


Abundance Ion 105.00 (104.70 to 105.70): E

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

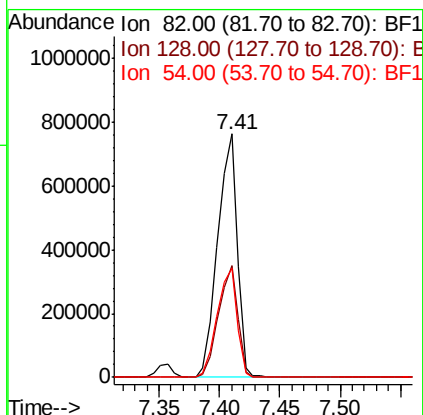
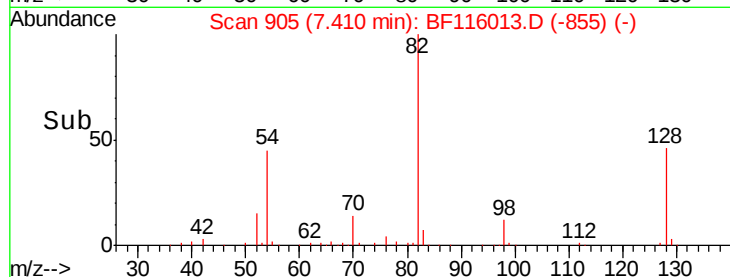
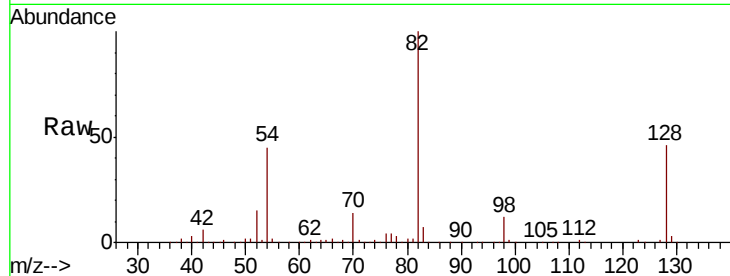




#23
Nitrobenzene-d5
Concen: 90.801 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

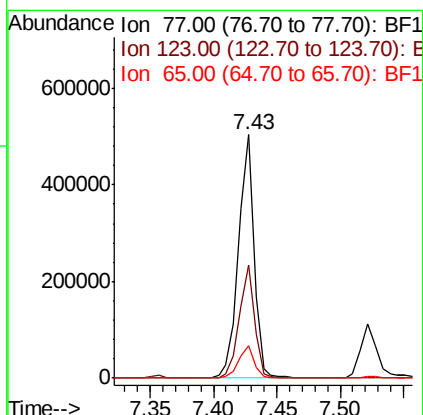
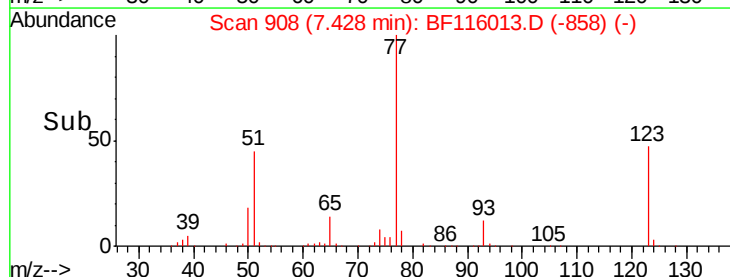
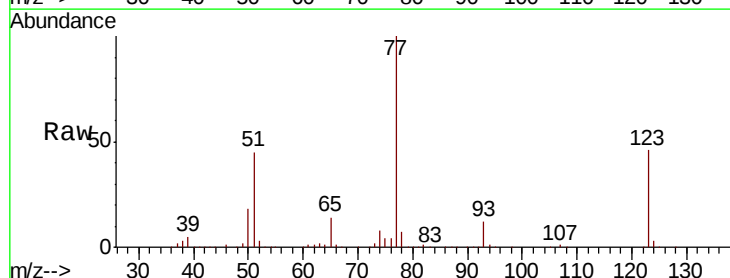
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 850693
Ion Ratio Lower Upper
82 100
128 46.0 36.6 55.0
54 45.1 36.6 55.0



#24
Nitrobenzene
Concen: 42.040 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Tgt Ion: 77 Resp: 425279
Ion Ratio Lower Upper
77 100
123 46.4 35.5 53.3
65 13.5 10.6 15.8

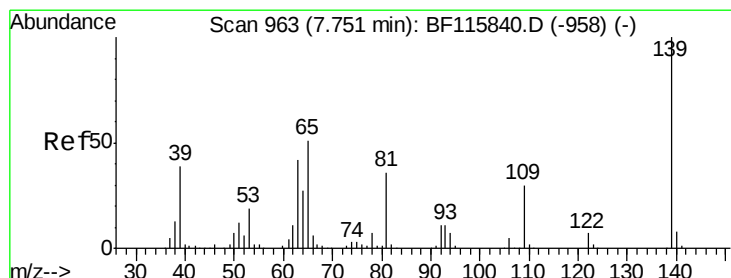
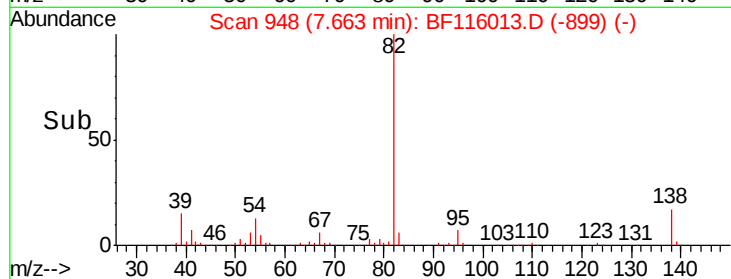
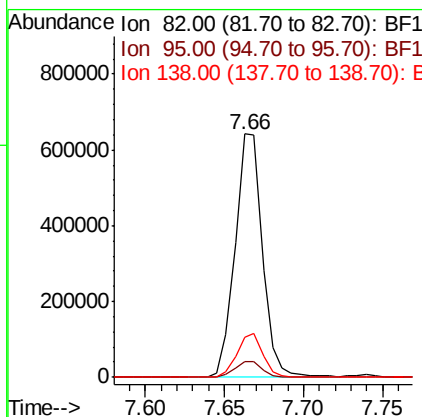
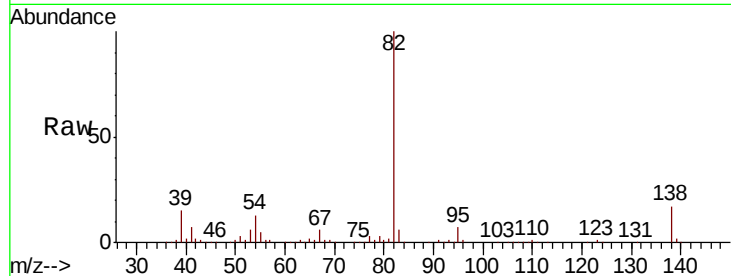




#25
Isophorone
Concen: 43.003 ng
RT: 7.66 min Scan# 948
Delta R.T. -0.01 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

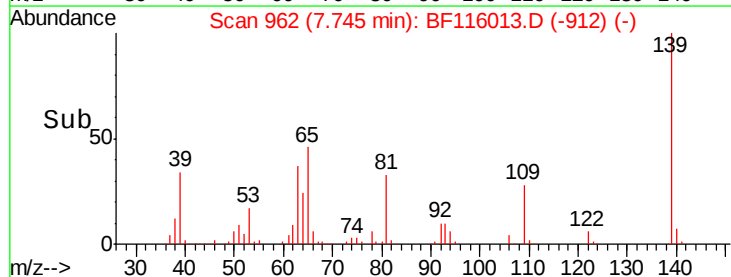
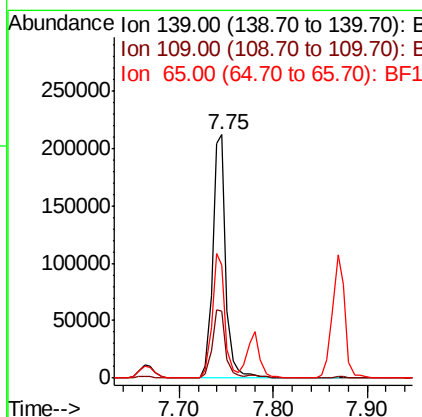
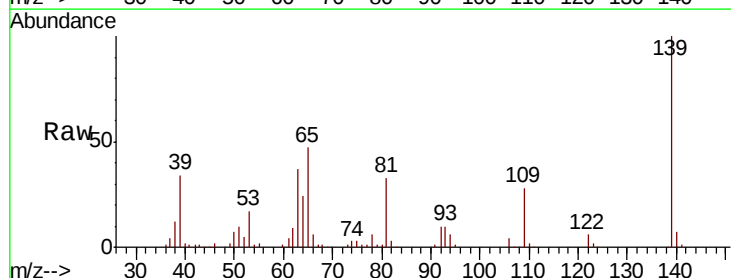
Instrument :
BNA_F
ClientSampleId :

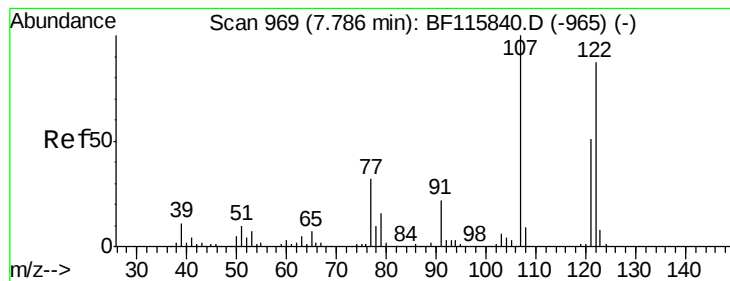
Tot Ion: 82 Resp: 770379
Ion Ratio Lower Upper
82 100
95 6.6 5.5 8.3
138 16.7 13.9 20.9



#26
2-Nitrophenol
Concen: 44.142 ng
RT: 7.75 min Scan# 962
Delta R.T. -0.01 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Tgt Ion: 139 Resp: 210490
Ion Ratio Lower Upper
139 100
109 27.6 23.6 35.4
65 46.7 40.6 60.8





#27

2,4-Dimethylphenol

Concen: 48.158 ng

RT: 7.78 min Scan# 968

Delta R.T. -0.01 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

Instrument :

BNA_F

ClientSampled :

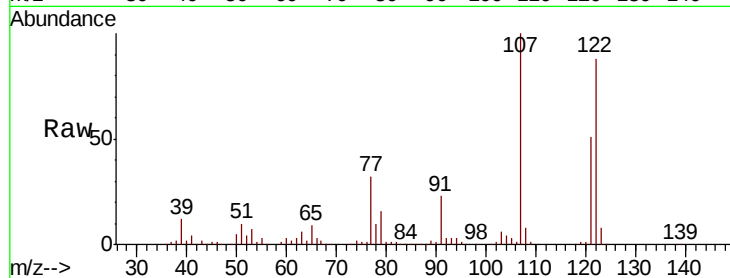
Tot Ion:122 Resp: 345493

Ion Ratio Lower Upper

122 100

107 114.2 91.7 137.5

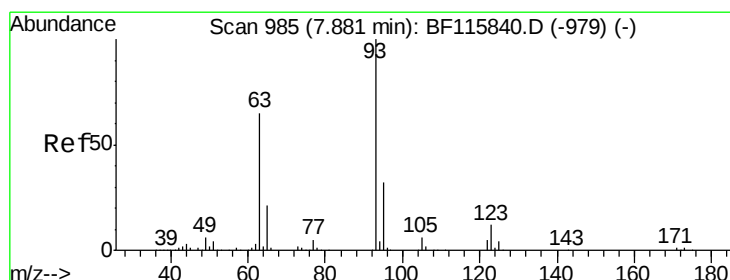
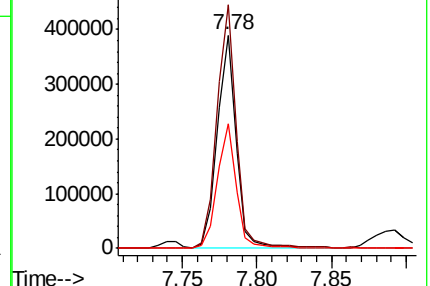
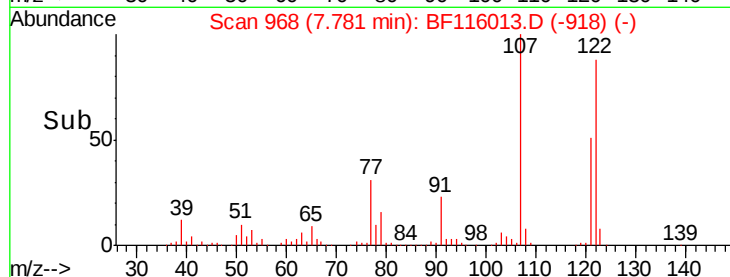
121 58.2 46.6 70.0



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: 42.679 ng

RT: 7.87 min Scan# 983

Delta R.T. -0.01 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

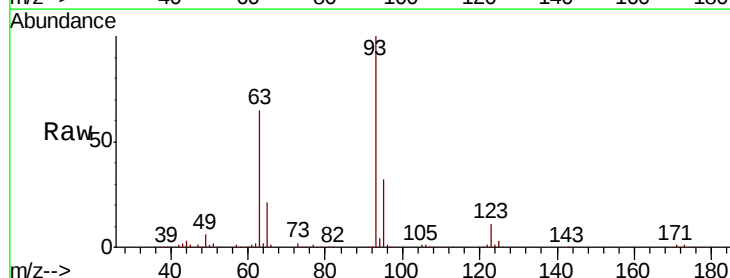
Tgt Ion: 93 Resp: 473898

Ion Ratio Lower Upper

93 100

95 32.4 26.0 39.0

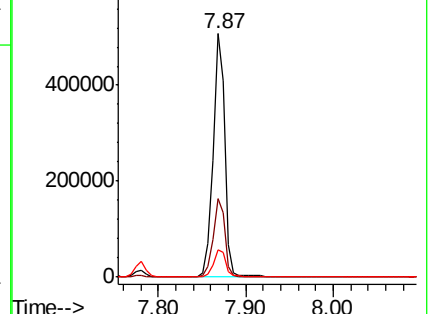
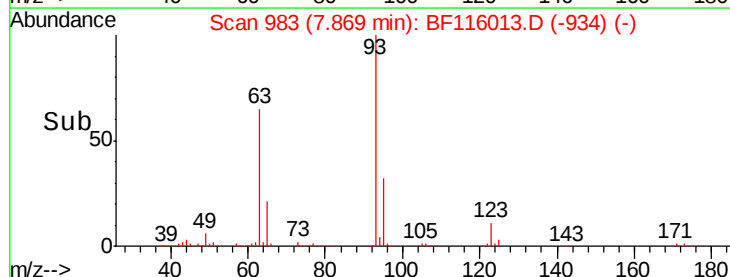
123 11.1 9.5 14.3

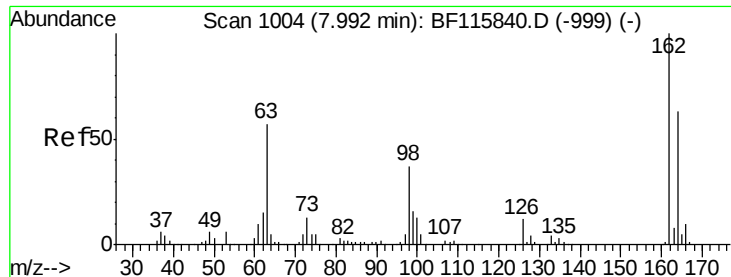


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

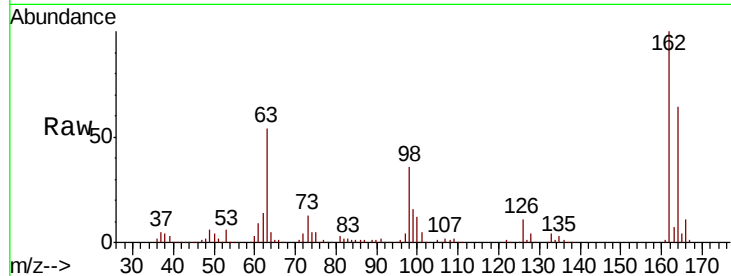




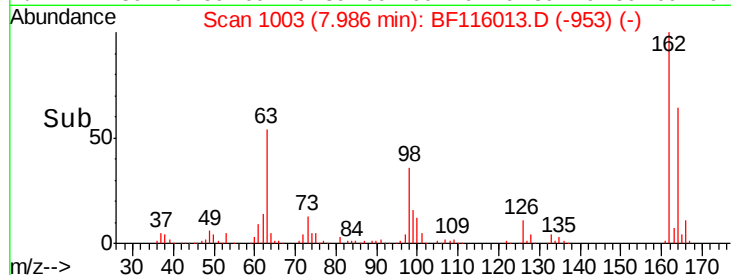
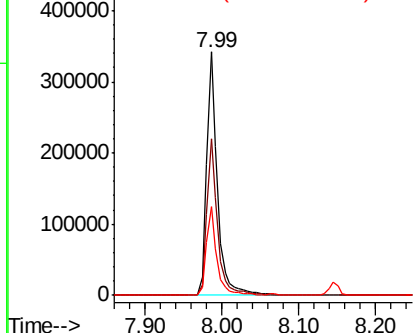
#29
 2,4-Dichlorophenol
 Concen: 43.939 ng
 RT: 7.99 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: BF116013.D
 Acq: 6 Aug 2019 15:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.4	43.2	83.2
98	36.2	17.3	57.3

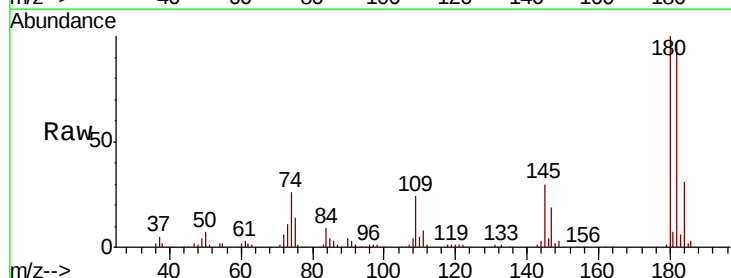


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

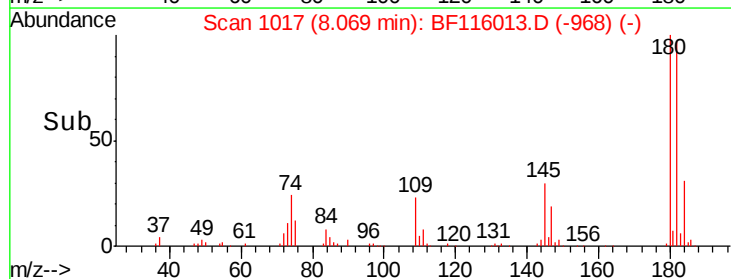
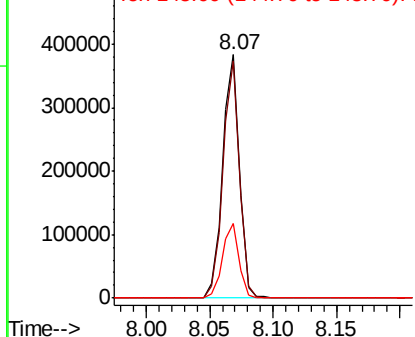


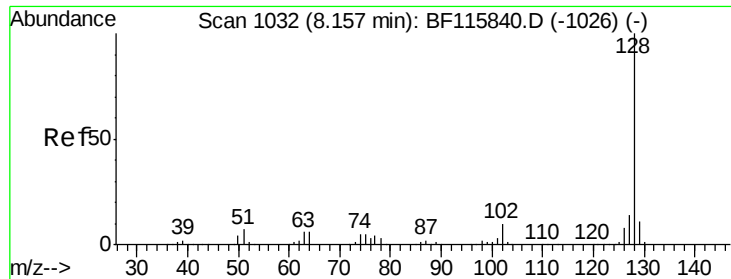
#30
 1,2,4-Trichlorobenzene
 Concen: 41.087 ng
 RT: 8.07 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: BF116013.D
 Acq: 6 Aug 2019 15:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	76.6	114.8
145	30.4	23.2	34.8



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

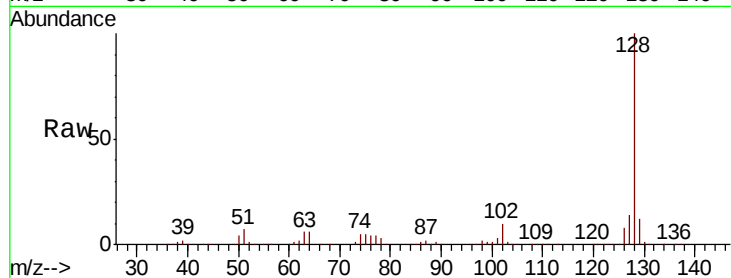




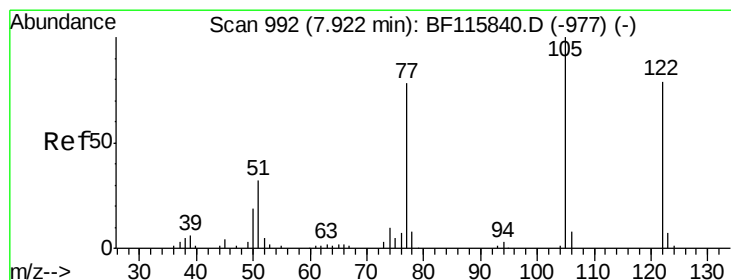
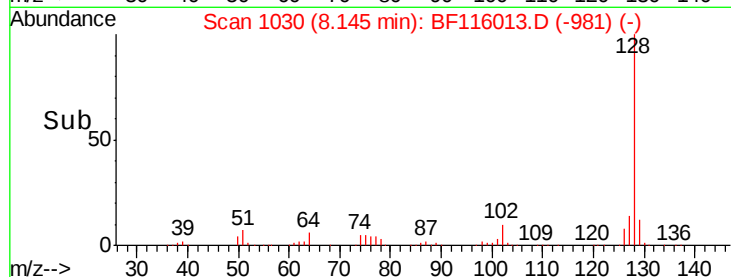
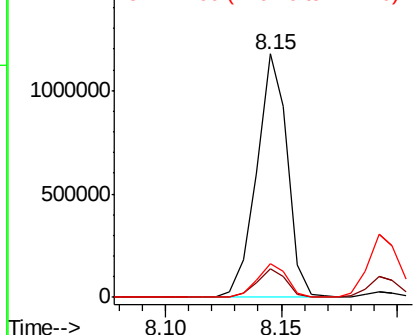
#31
Naphthalene
Concen: 42.794 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 1089045
Ion Ratio Lower Upper
128 100
129 11.9 9.2 13.8
127 14.0 11.0 16.4

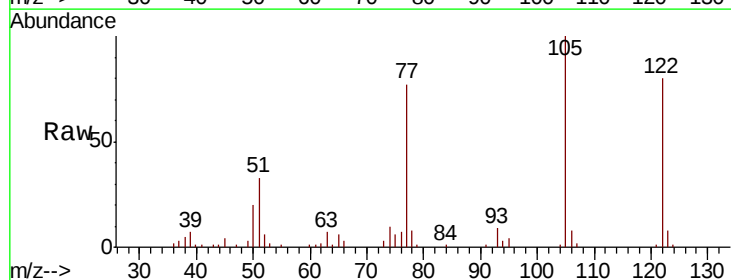


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

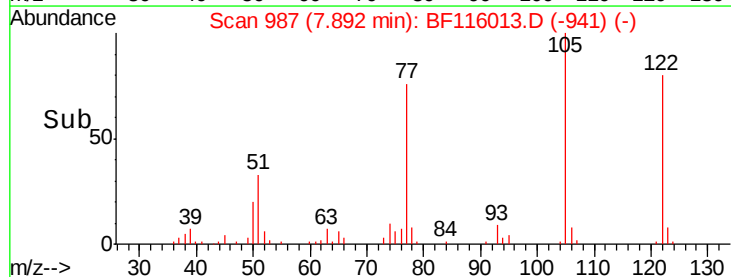
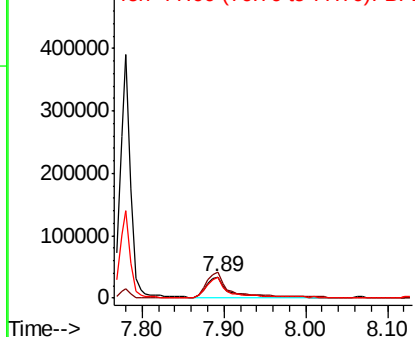


#32
Benzoic acid
Concen: 13.433 ng
RT: 7.89 min Scan# 987
Delta R.T. -0.03 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Tgt Ion:122 Resp: 67945
Ion Ratio Lower Upper
122 100
105 124.6 103.1 143.1
77 96.1 76.8 116.8



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

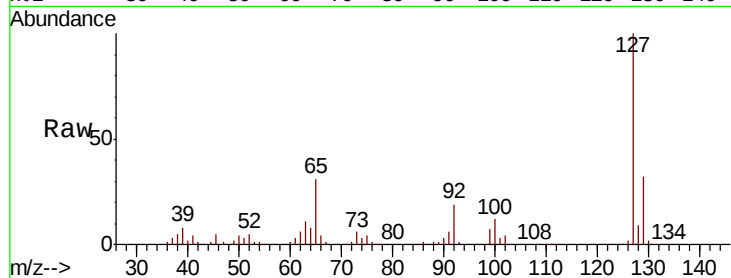




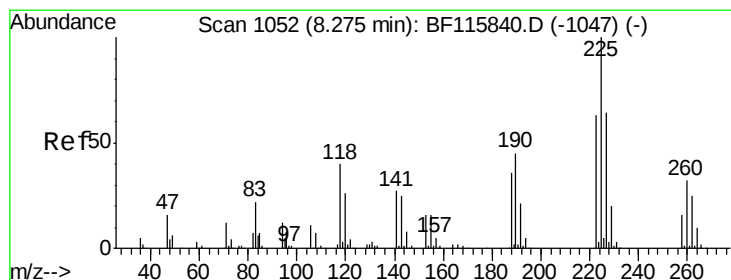
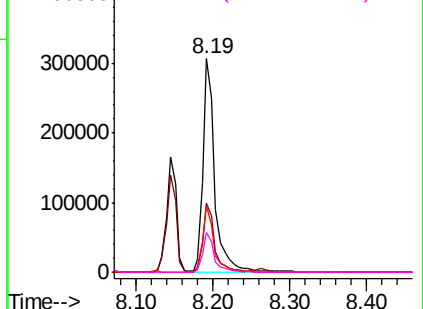
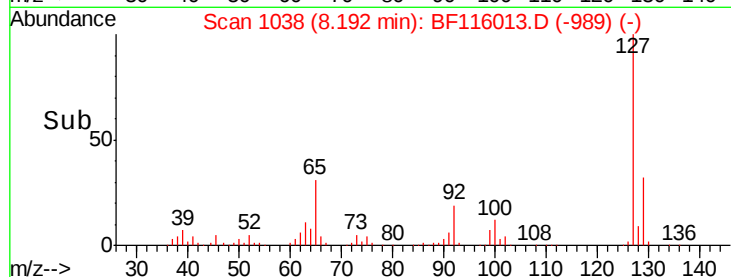
#33
4-Chloroaniline
Concen: 29.077 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:127	Resp:	330626
Ion Ratio	Lower	Upper
127	100	
129	32.4	26.0 39.0
65	31.3	23.9 35.9
92	18.8	14.9 22.3

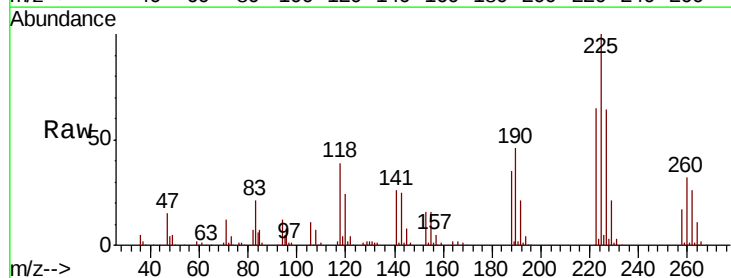


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

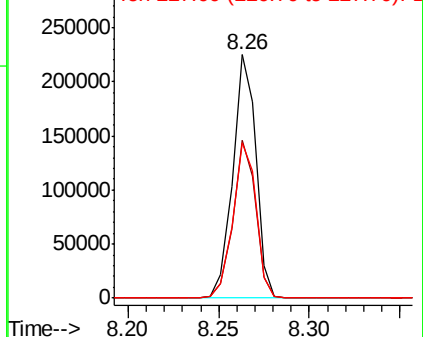
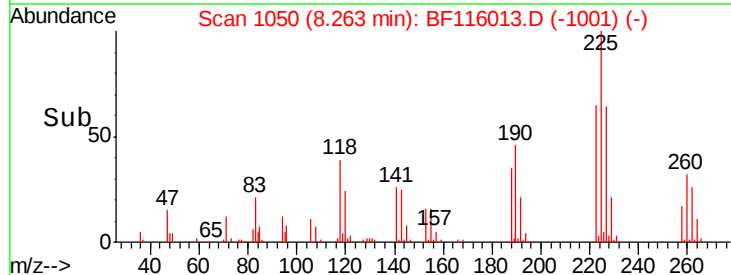


#34
Hexachlorobutadiene
Concen: 40.312 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Tgt Ion:225	Resp:	200493
Ion Ratio	Lower	Upper
225	100	
223	64.9	50.4 75.6
227	63.9	51.6 77.4



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 23.112 ng

RT: 8.56 min Scan# 1101

Delta R.T. -0.02 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

Instrument :
BNA_F
ClientSampleId :

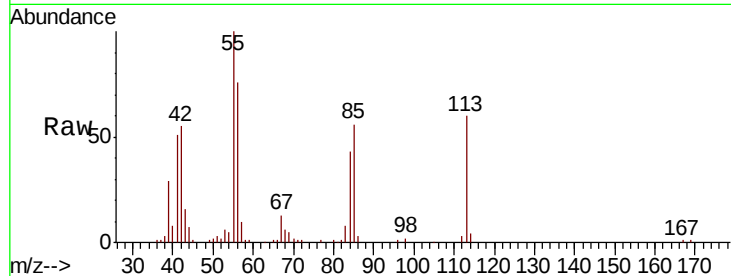
Tot Ion:113 Resp: 56624

Ion Ratio Lower Upper

113 100

55 165.3 138.1 178.1

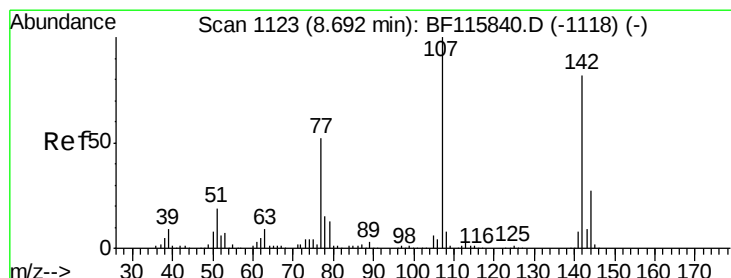
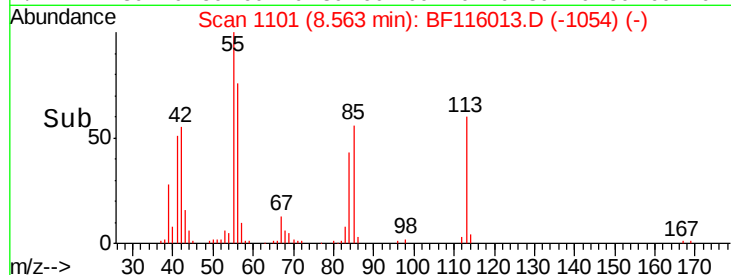
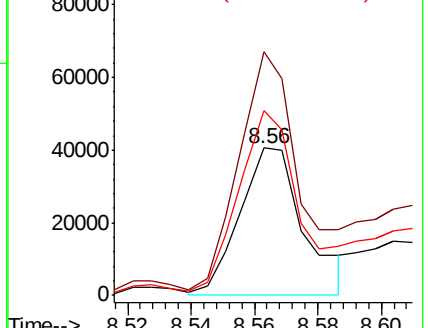
56 125.6 100.6 140.6



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: 44.541 ng

RT: 8.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

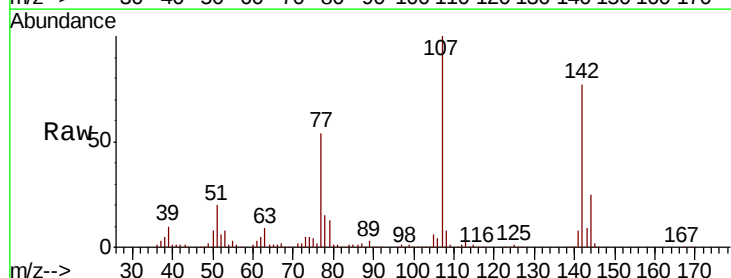
Tgt Ion:107 Resp: 350999

Ion Ratio Lower Upper

107 100

144 24.8 21.4 32.0

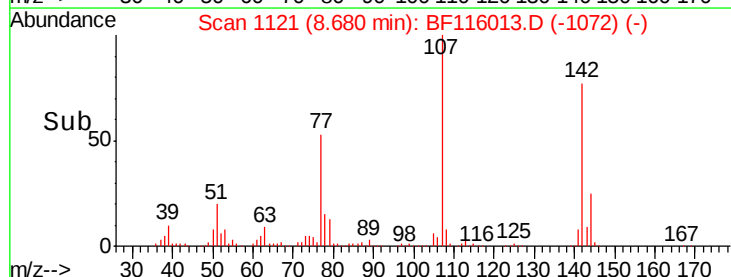
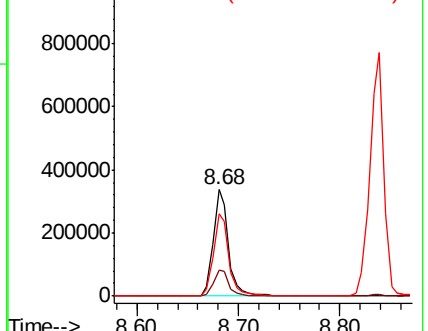
142 76.9 65.5 98.3

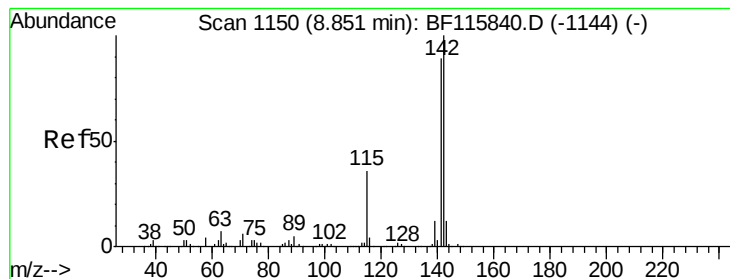


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 44.080 ng

RT: 8.84 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

Instrument :

BNA_F

ClientSampleId :

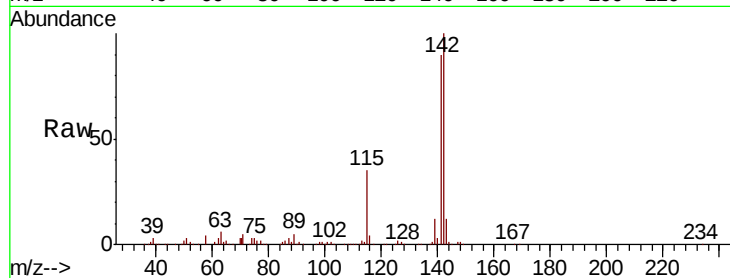
Tot Ion:142 Resp: 738793

Ion Ratio Lower Upper

142 100

141 90.4 71.4 107.2

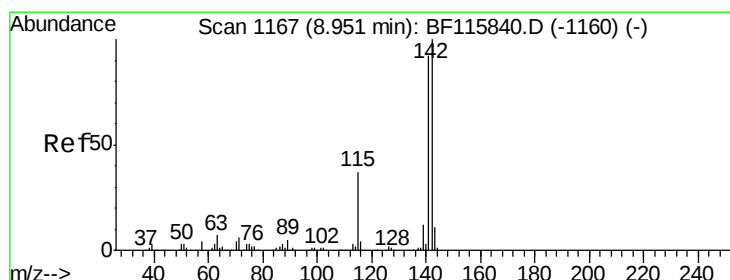
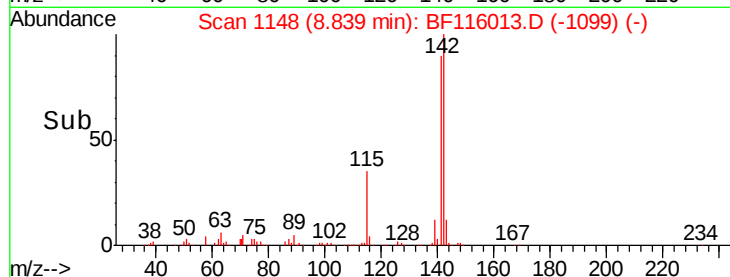
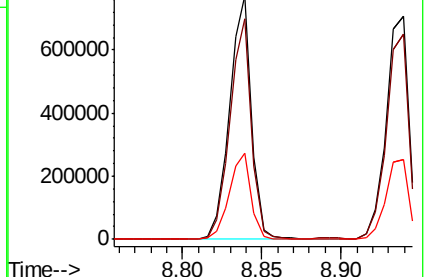
115 35.2 28.9 43.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 43.875 ng

RT: 8.94 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

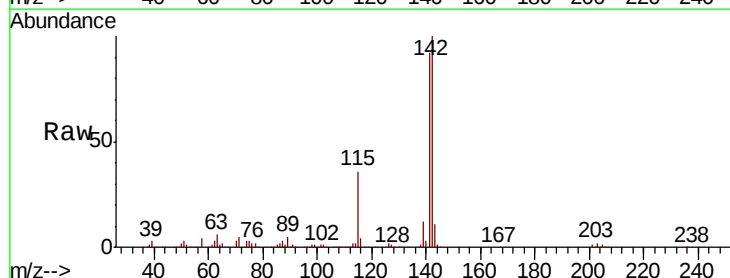
Tgt Ion:142 Resp: 695665

Ion Ratio Lower Upper

142 100

141 91.9 73.8 110.6

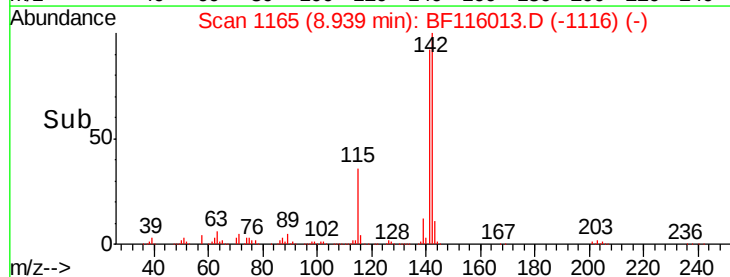
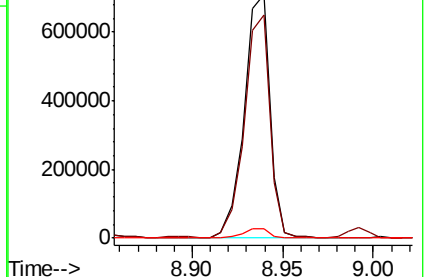
116 3.6 3.1 4.7

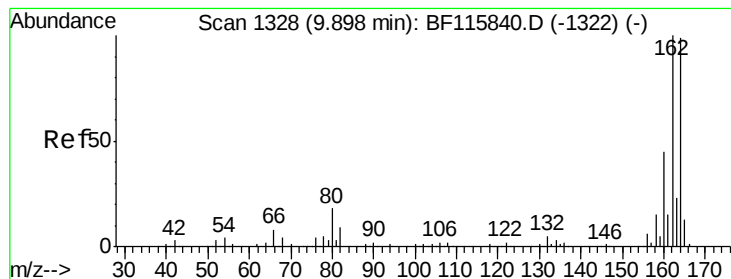


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

Instrument :

BNA_F

ClientSampleId :

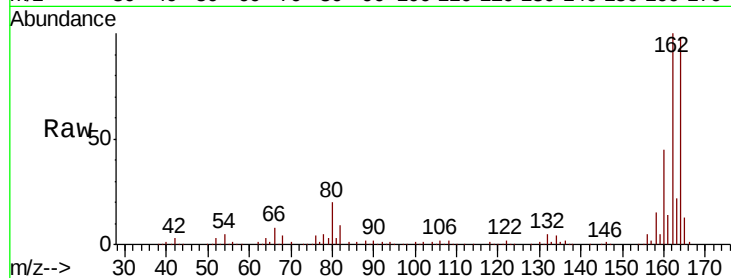
Tot Ion:164 Resp: 284101

Ion Ratio Lower Upper

164 100

162 102.1 80.8 121.2

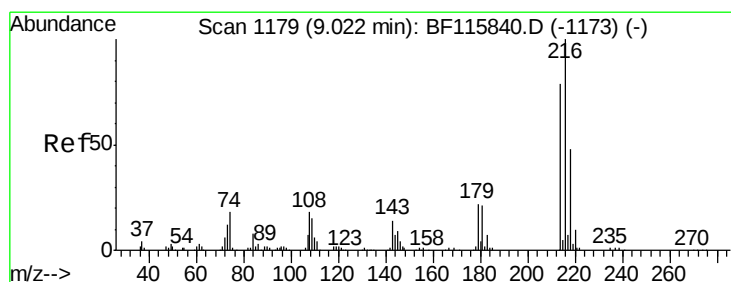
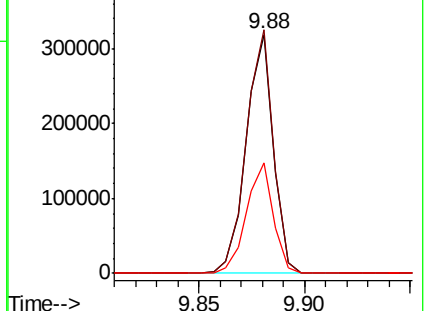
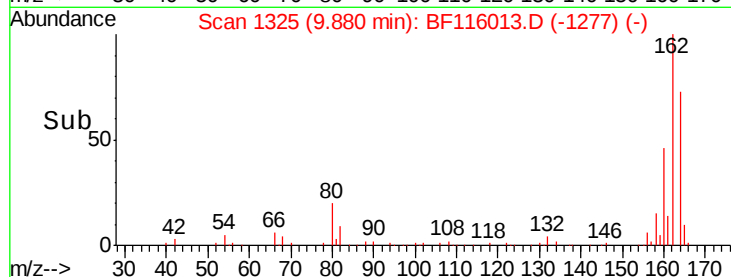
160 46.1 36.2 54.4



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: 44.157 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.02 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

Tgt Ion:216 Resp: 335378

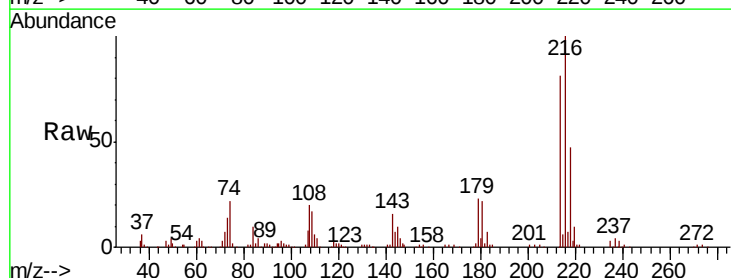
Ion Ratio Lower Upper

216 100

214 79.6 62.8 94.2

179 22.1 17.6 26.4

108 20.8 16.1 24.1

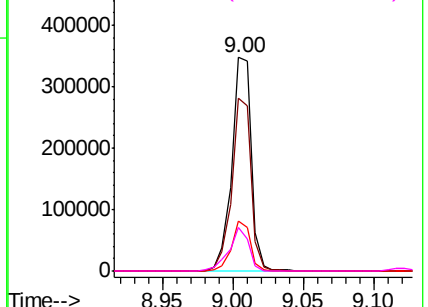
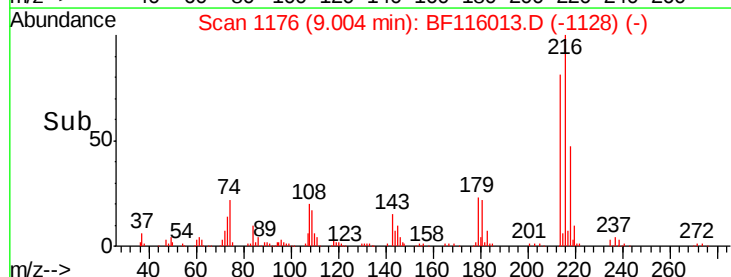


Abundance Ion 216.00 (215.70 to 216.70): E

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: 54.125 ng

RT: 8.99 min Scan# 1174

Delta R.T. -0.02 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

Instrument :

BNA_F

ClientSampleId :

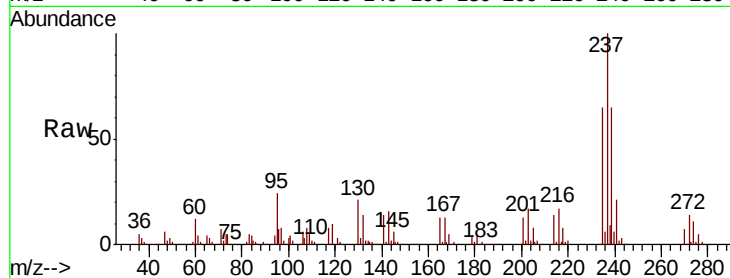
Tot Ion:237 Resp: 177497

Ion Ratio Lower Upper

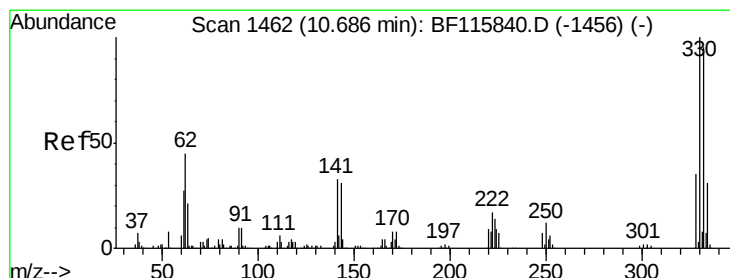
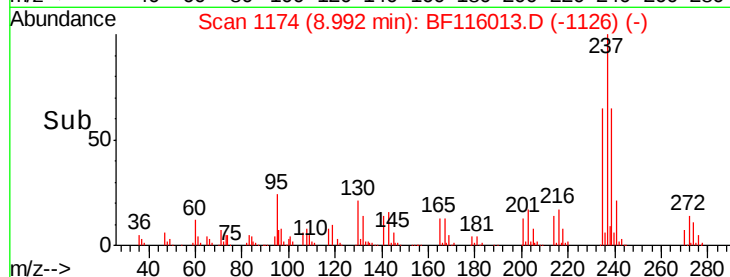
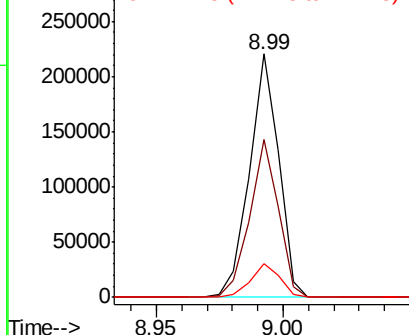
237 100

235 64.9 42.5 82.5

272 13.6 0.0 33.3



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: 125.677 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

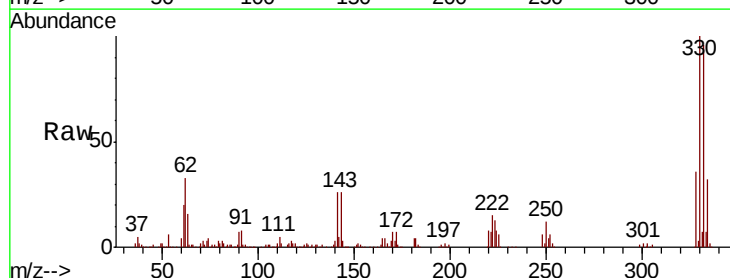
Tgt Ion:330 Resp: 346169

Ion Ratio Lower Upper

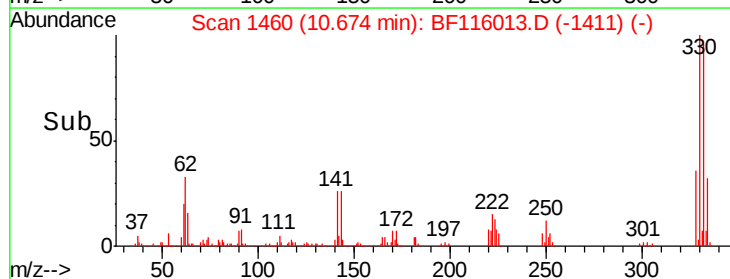
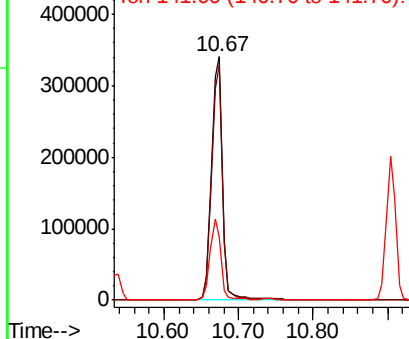
330 100

332 95.0 77.7 116.5

141 33.4 28.1 42.1



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

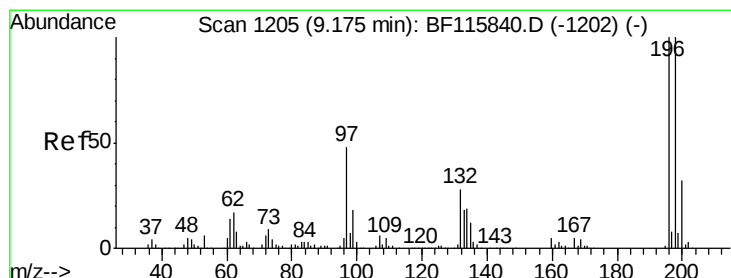
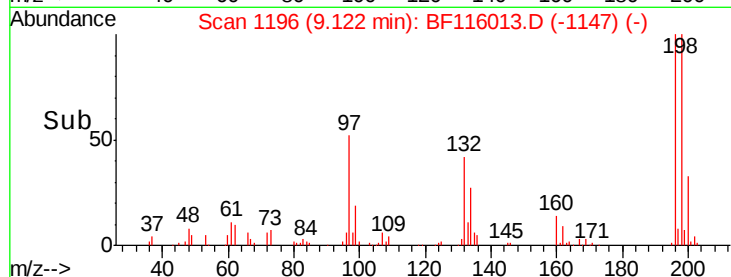
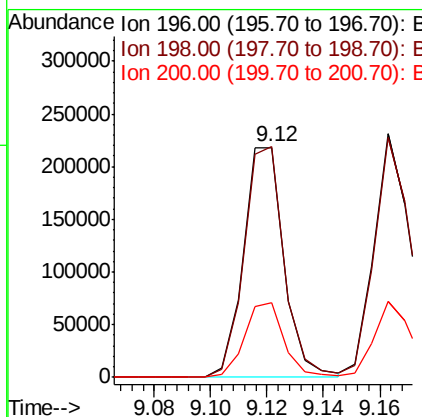
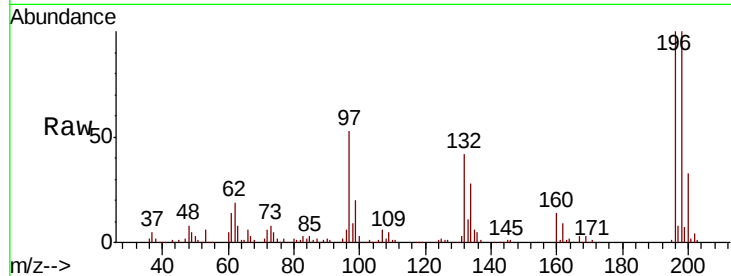




#43
 2,4,6-Trichlorophenol
 Concen: 41.587 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF116013.D
 Acq: 6 Aug 2019 15:16

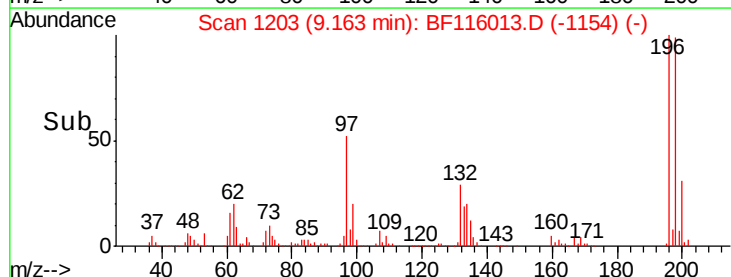
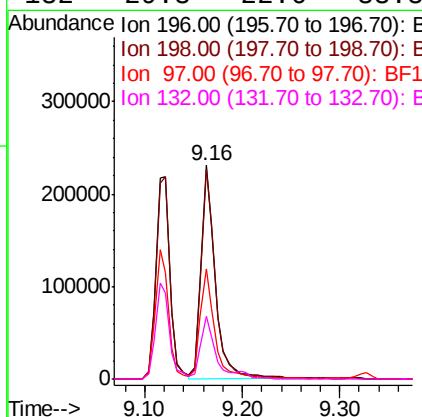
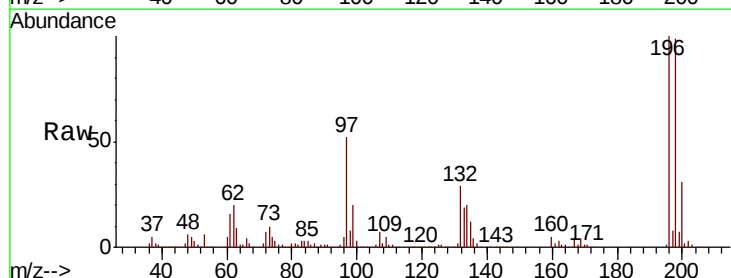
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:196 Resp: 217412
 Ion Ratio Lower Upper
 196 100
 198 100.4 79.1 118.7
 200 32.6 26.0 39.0



#44
 2,4,5-Trichlorophenol
 Concen: 43.233 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF116013.D
 Acq: 6 Aug 2019 15:16

Tgt Ion:196 Resp: 233634
 Ion Ratio Lower Upper
 196 100
 198 98.5 80.1 120.1
 97 51.8 38.9 58.3
 132 29.3 22.6 33.8

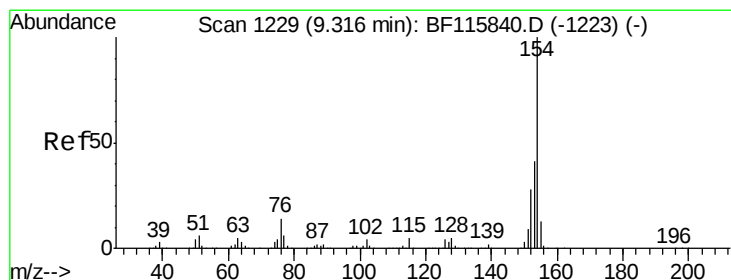
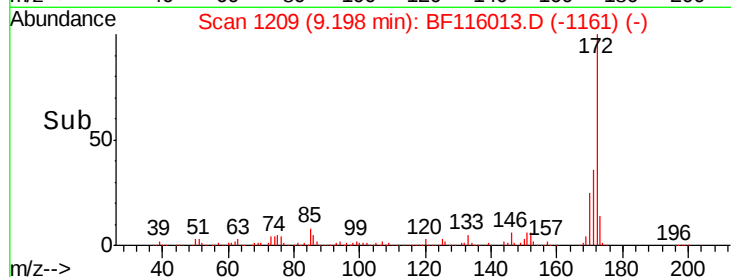
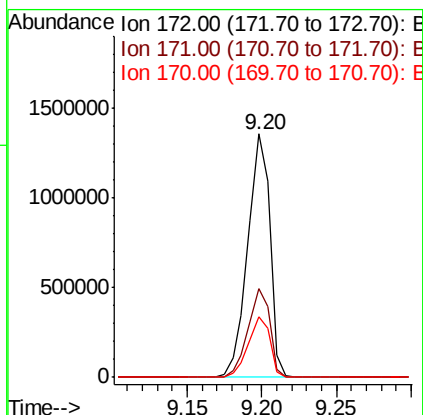
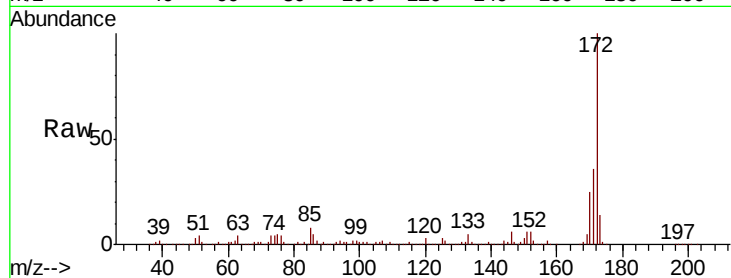




#45
2-Fluorobiphenyl
Concen: 91.581 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.02 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

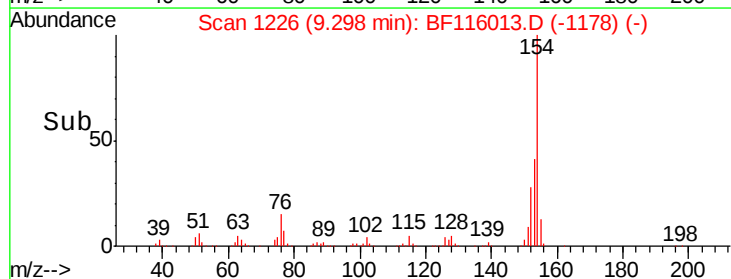
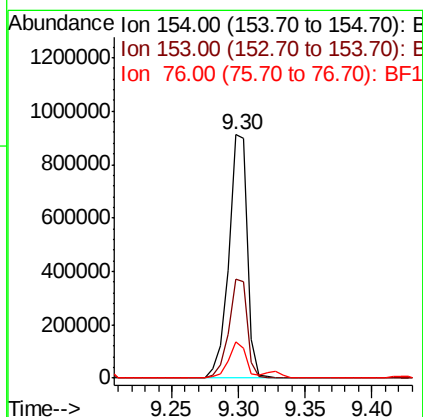
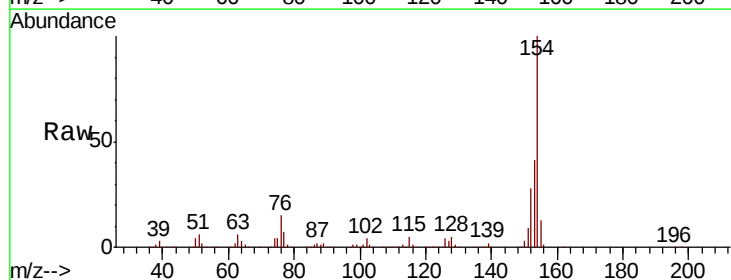
Instrument :
BNA_F
ClientSampleId :

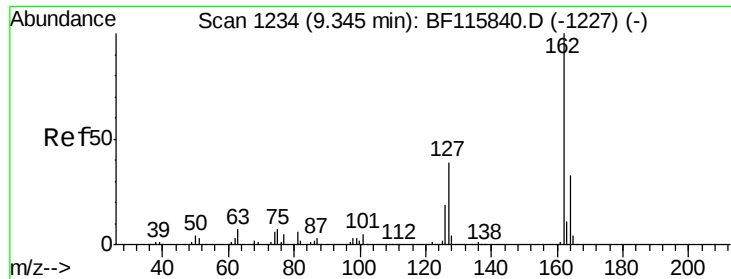
Tot Ion:172 Resp: 1389068
Ion Ratio Lower Upper
172 100
171 36.5 29.1 43.7
170 25.1 20.1 30.1



#46
1,1'-Biphenyl
Concen: 44.806 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.02 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Tgt Ion:154 Resp: 898694
Ion Ratio Lower Upper
154 100
153 40.5 20.9 60.9
76 14.8 0.0 34.3

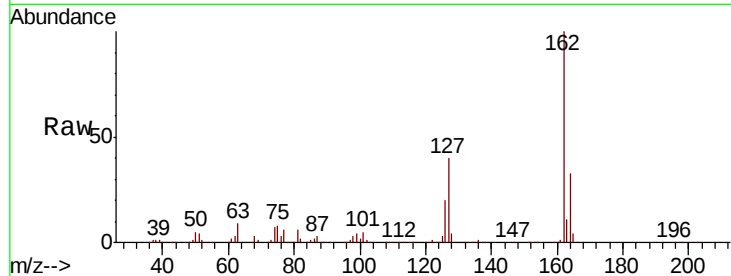




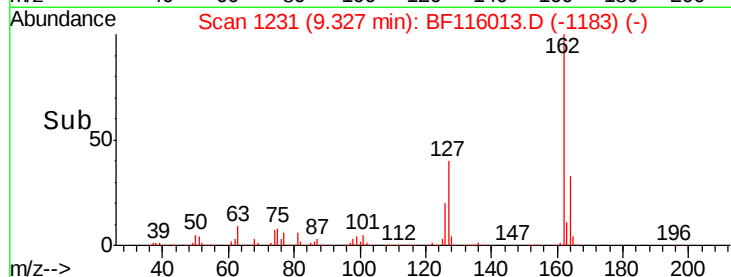
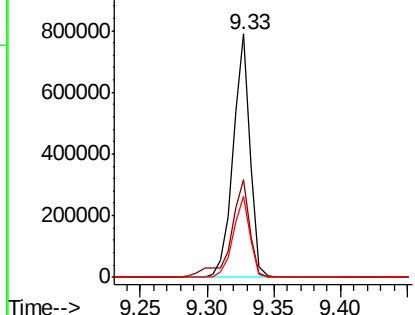
#47
 2-Chloronaphthalene
 Concen: 42.063 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.02 min
 Lab File: BF116013.D
 Acq: 6 Aug 2019 15:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
162	100		
127	40.3	31.3	46.9
164	33.4	26.6	40.0

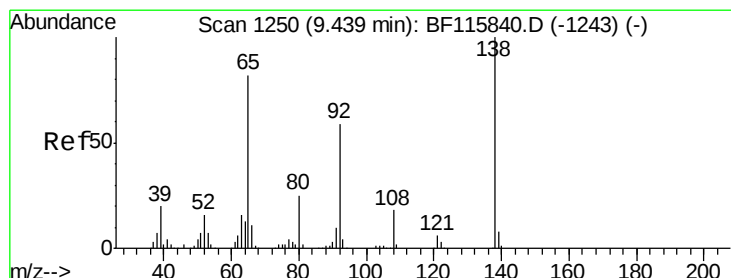


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

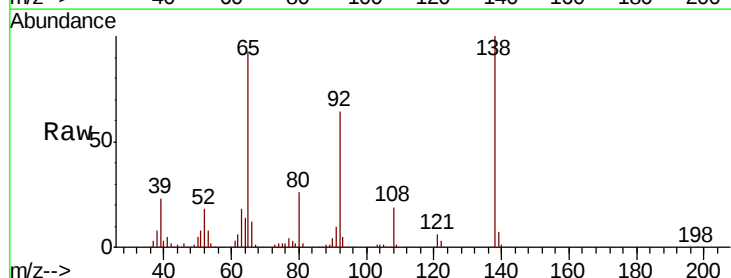
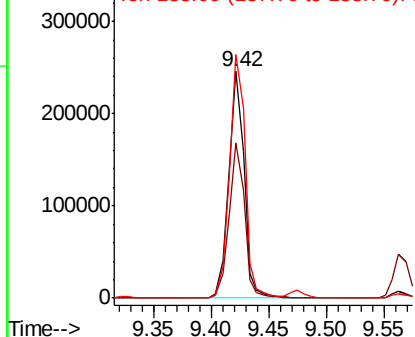


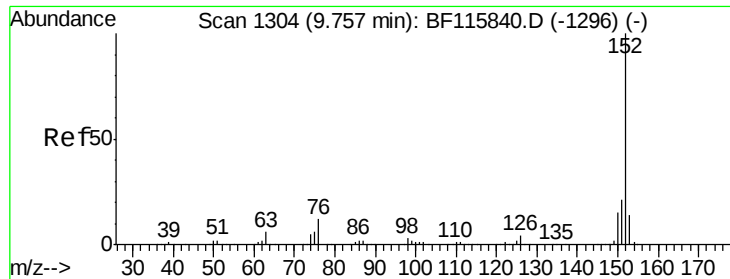
#48
 2-Nitroaniline
 Concen: 41.181 ng
 RT: 9.42 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: BF116013.D
 Acq: 6 Aug 2019 15:16

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.7	57.1	85.7
138	107.4	97.1	145.7



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: 44.091 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

Instrument :

BNA_F

ClientSampled :

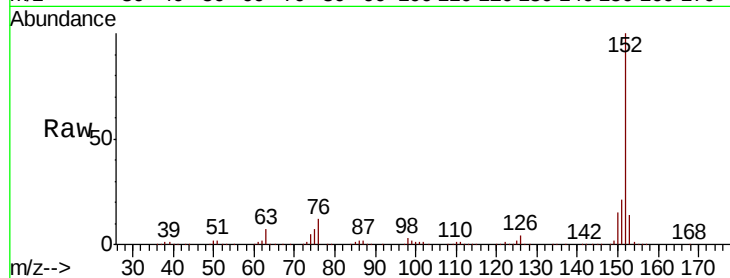
Tot Ion:152 Resp: 1073810

Ion Ratio Lower Upper

152 100

151 21.2 16.8 25.2

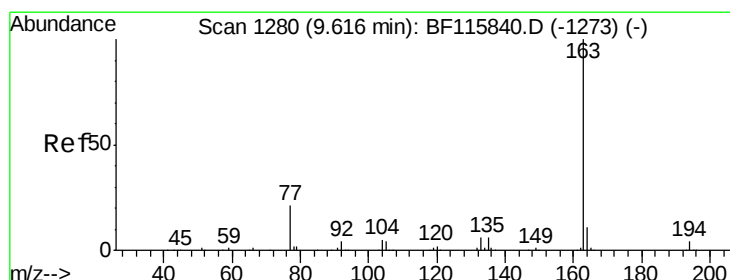
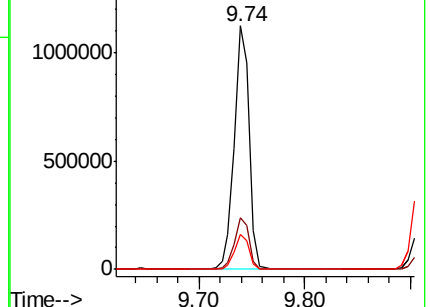
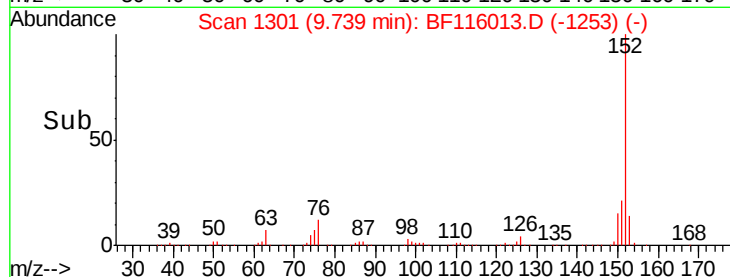
153 14.2 11.6 17.4



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: 50.152 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.02 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

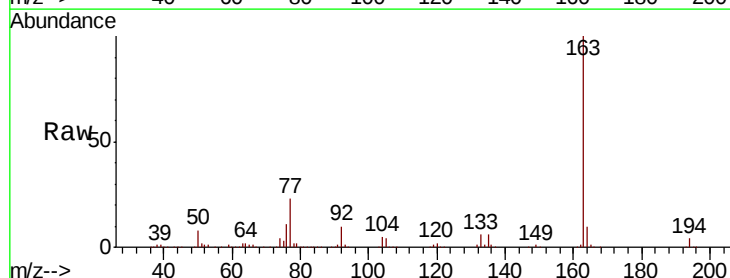
Tgt Ion:163 Resp: 970138

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

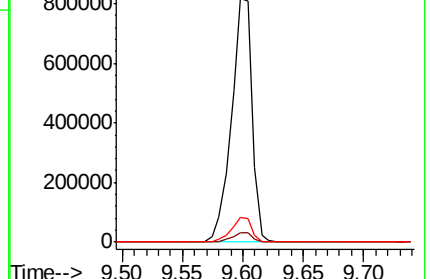
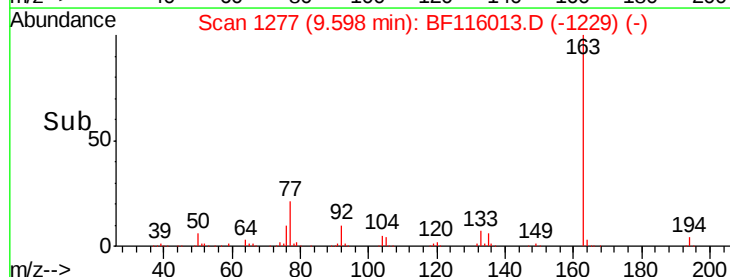
164 10.4 8.4 12.6

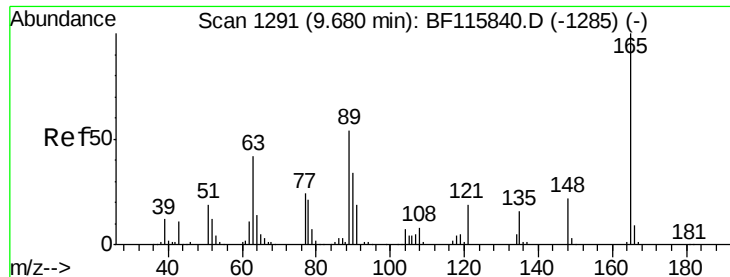


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 44.214 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.02 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

Instrument :
BNA_F
ClientSampled :

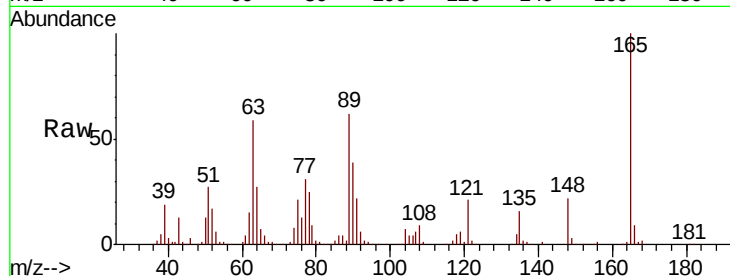
Tot Ion:165 Resp: 185865

Ion Ratio Lower Upper

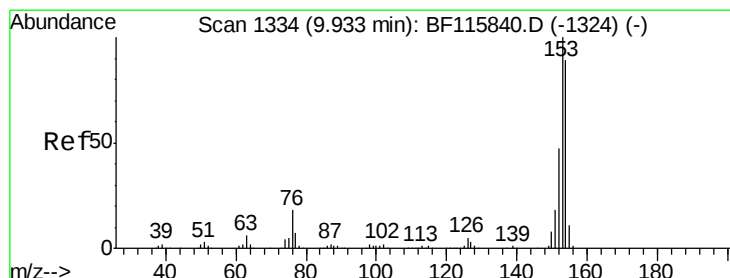
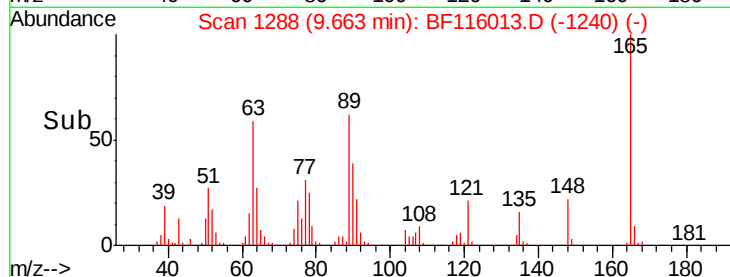
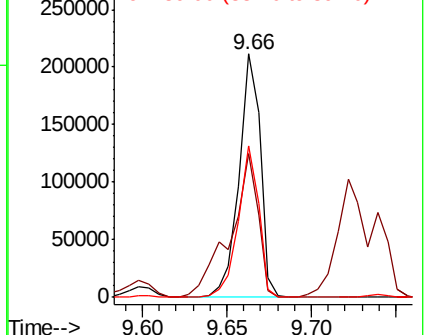
165 100

63 59.2 39.4 59.2#

89 62.0 43.0 64.6



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: 45.884 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

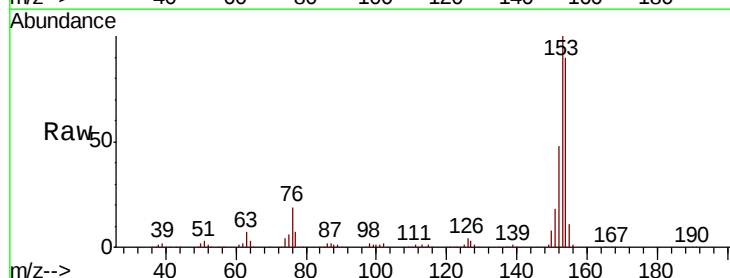
Tgt Ion:154 Resp: 685563

Ion Ratio Lower Upper

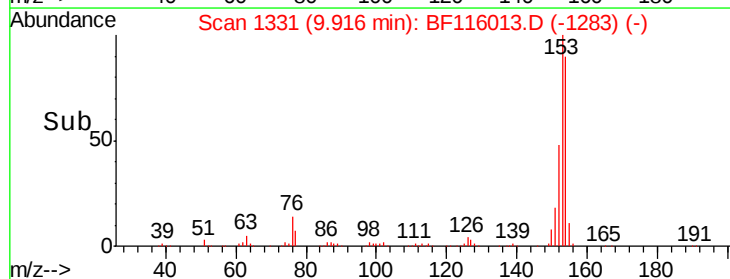
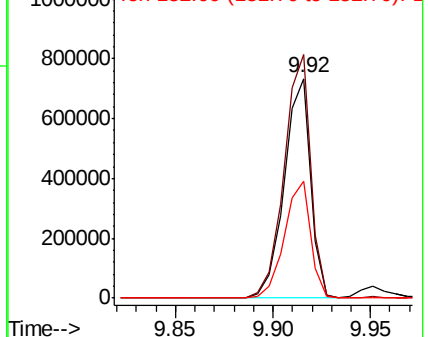
154 100

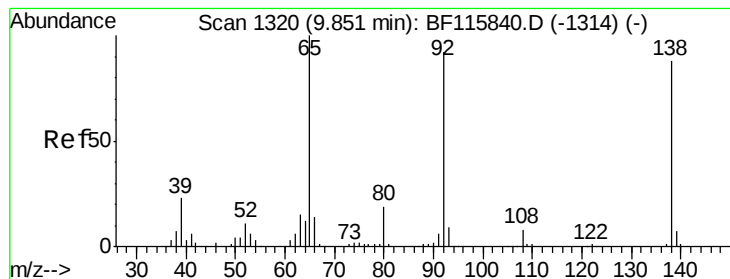
153 110.8 90.1 135.1

152 52.9 42.6 63.8



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: 31.856 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

Instrument :

BNA_F

ClientSampleId :

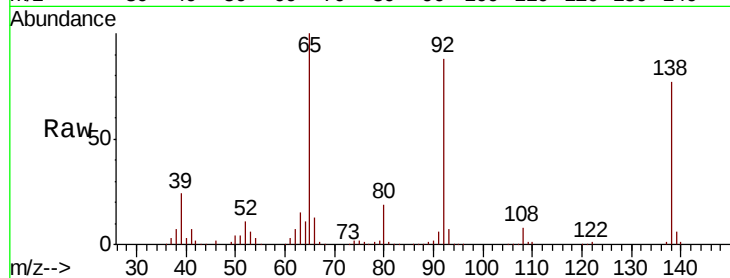
Tot Ion:138 Resp: 165472

Ion Ratio Lower Upper

138 100

108 9.9 7.4 11.2

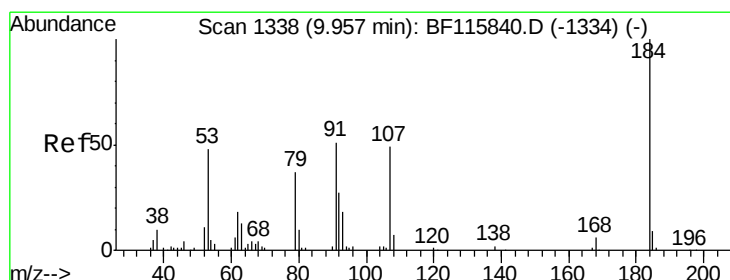
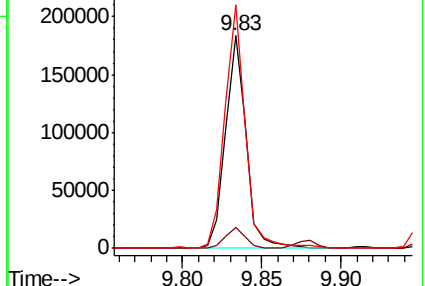
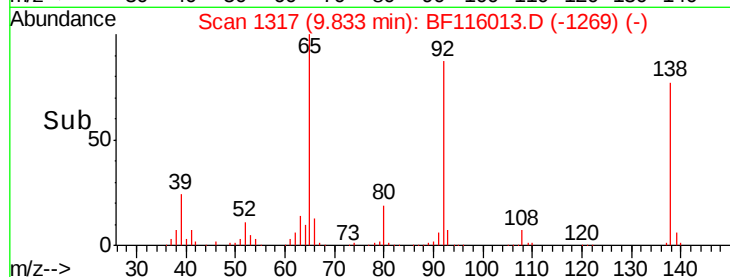
92 114.6 83.9 125.9



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: 36.876 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

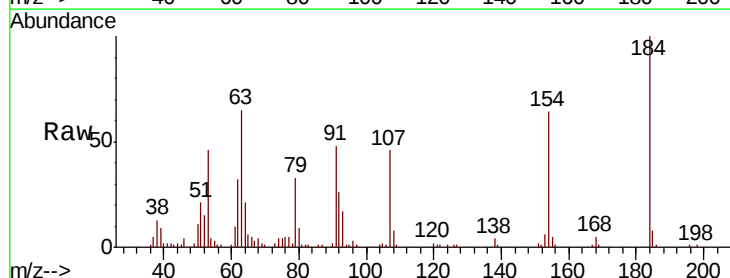
Tgt Ion:184 Resp: 68866

Ion Ratio Lower Upper

184 100

63 65.1 56.7 85.1

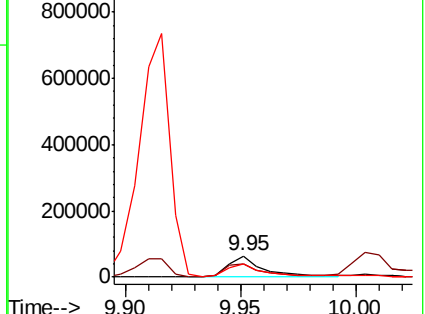
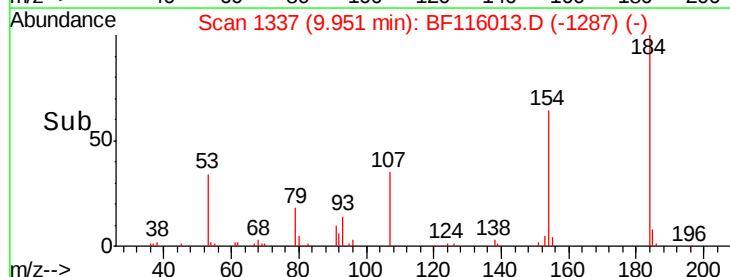
154 64.1 51.9 77.9

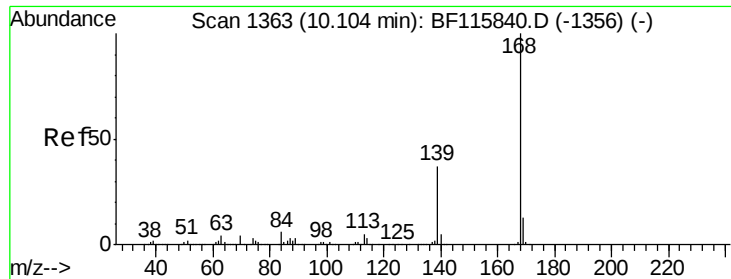


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

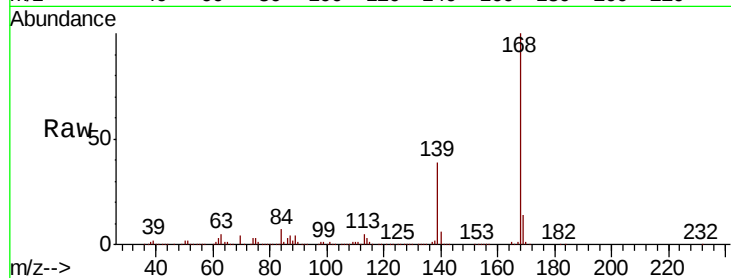




#55
Dibenzofuran
Concen: 45.233 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.02 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.0	30.2	45.2
169	13.8	10.8	16.2

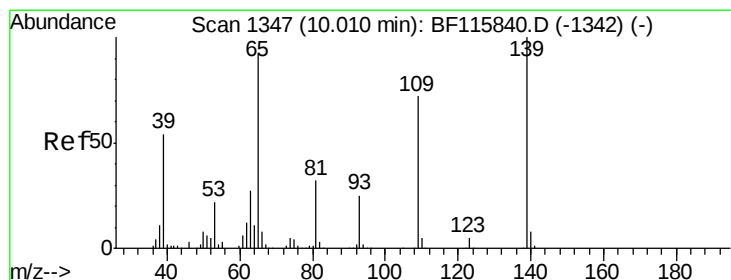
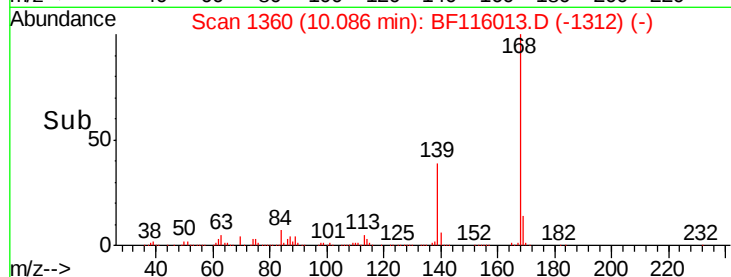
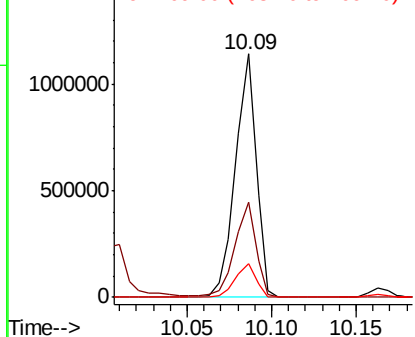


Abundance

Ion 168.00 (167.70 to 168.70): E

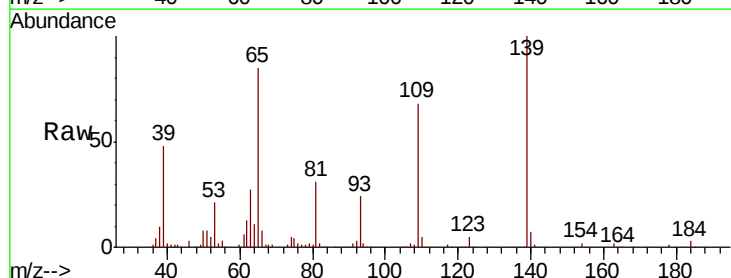
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 84.476 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.00 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Tgt Ion	Ratio	Lower	Upper
139	100		
109	68.1	52.0	92.0
65	85.2	72.6	112.6

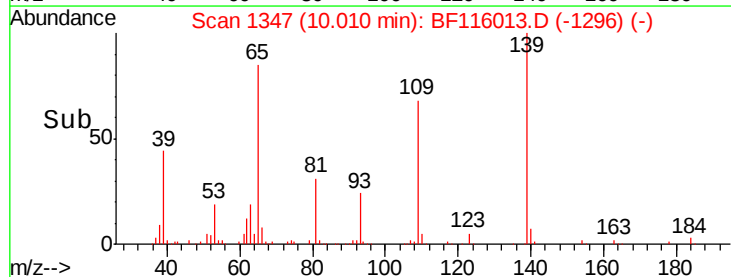
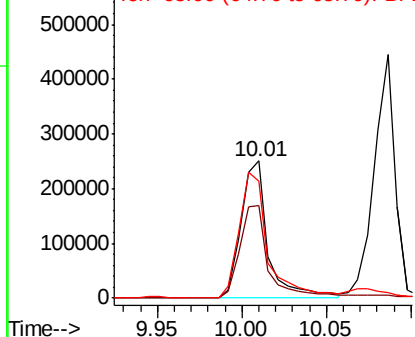


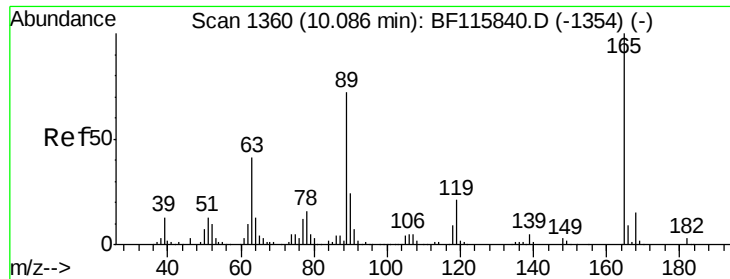
Abundance

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

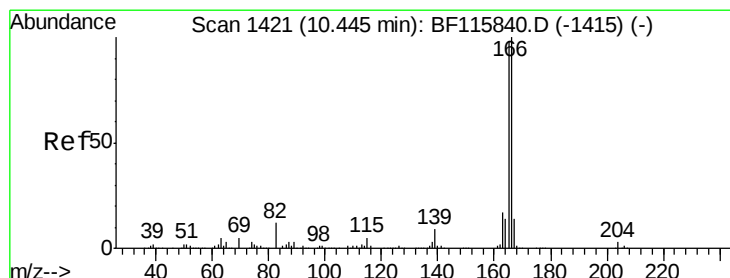
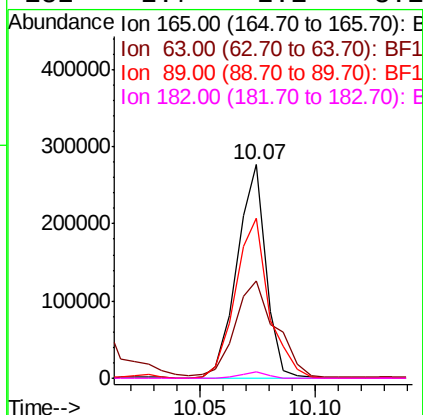
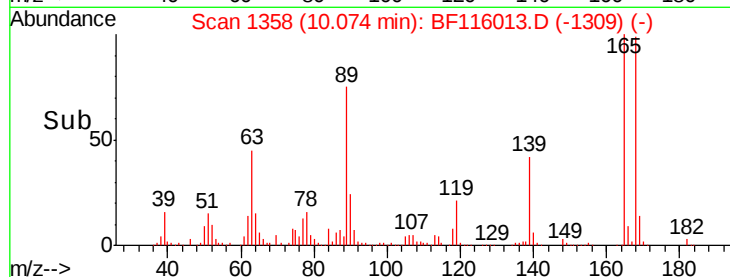
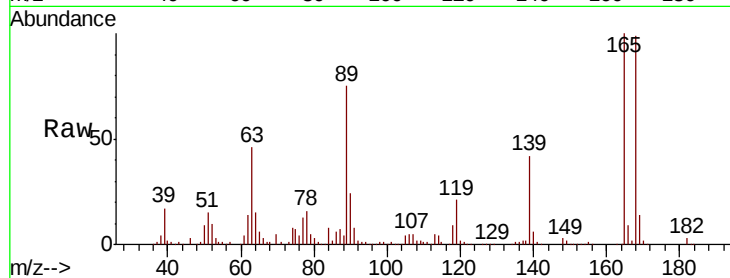




#57
2,4-Dinitrotoluene
Concen: 42.967 ng
RT: 10.07 min Scan# 1358
Delta R.T. -0.01 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

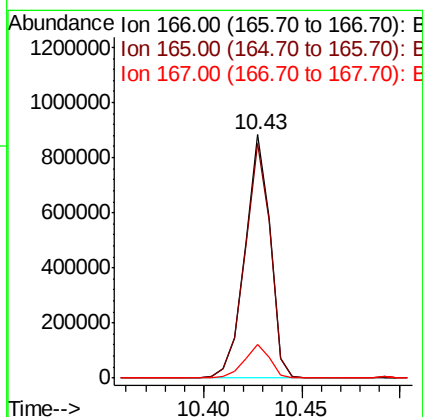
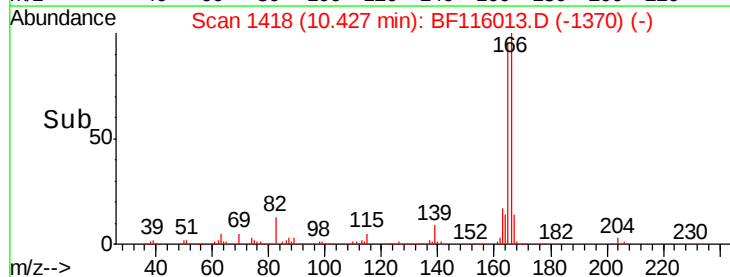
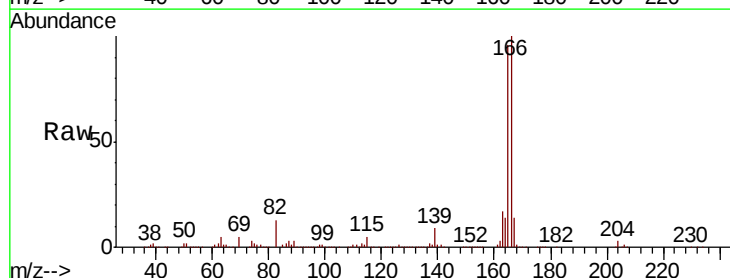
Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	45.5	33.2	49.8
89	74.8	57.3	85.9
182	2.7	2.1	3.1



#58
Fluorene
Concen: 46.827 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.02 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.1	78.6	118.0
167	13.6	10.9	16.3

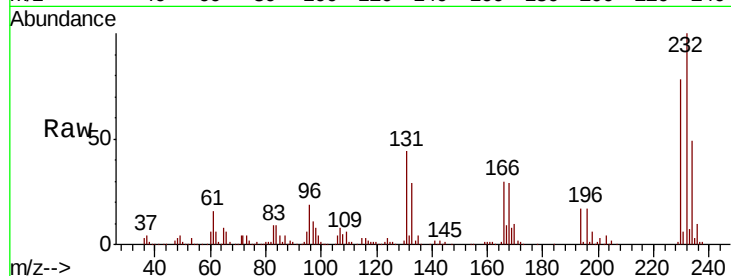




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.941 ng
RT: 10.21 min Scan# 1381
Delta R.T. -0.01 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
232	100		
131	46.1	37.6	56.4
130	2.5	1.8	2.8
166	30.3	24.6	37.0



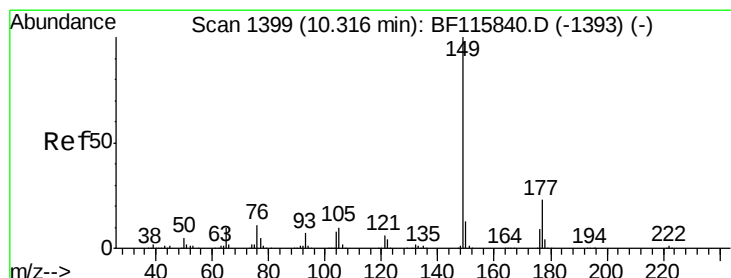
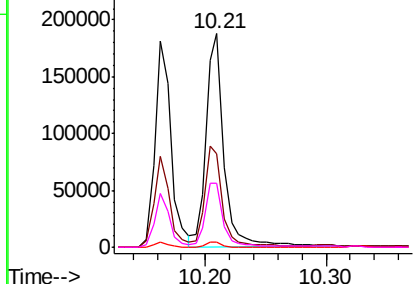
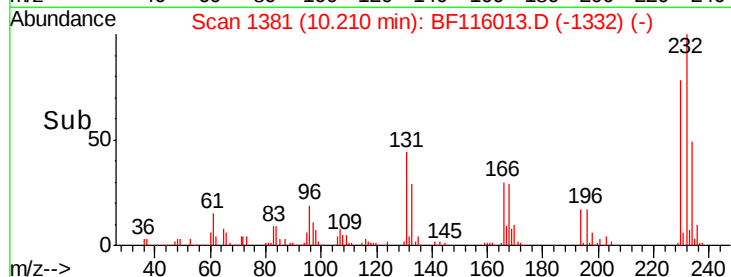
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

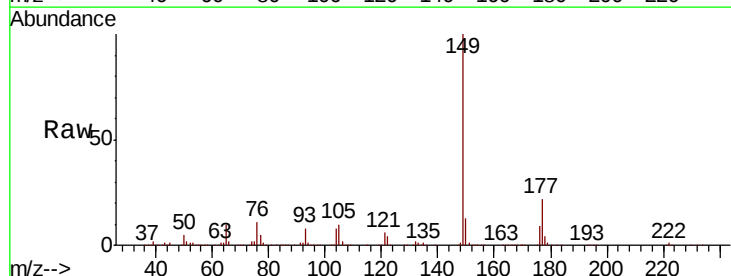
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
Diethylphthalate
Concen: 45.400 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.02 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.4	27.6
150	12.7	10.1	15.1

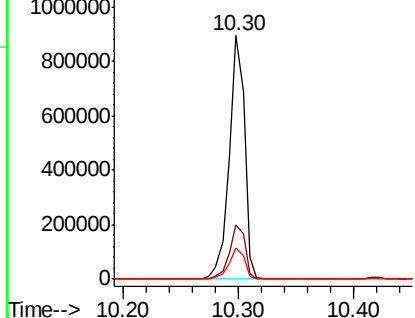
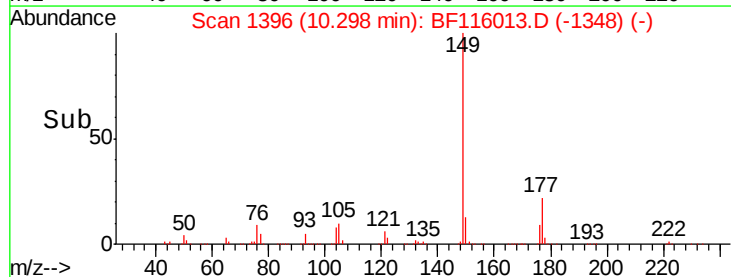


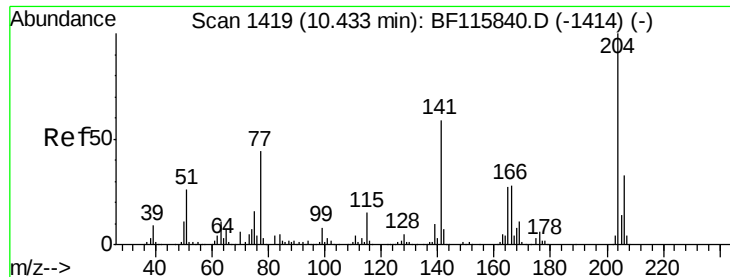
Abundance

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

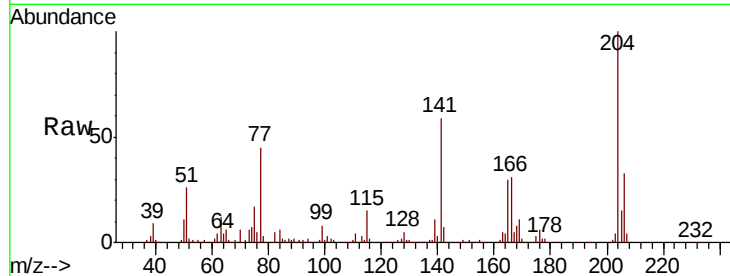




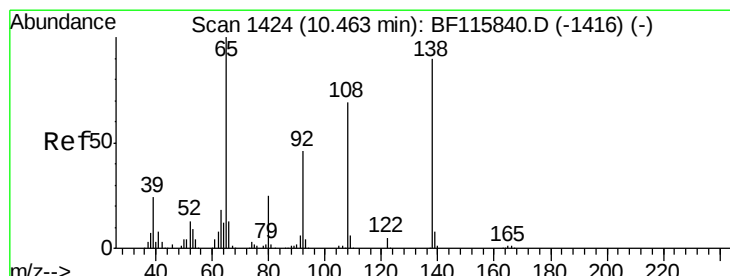
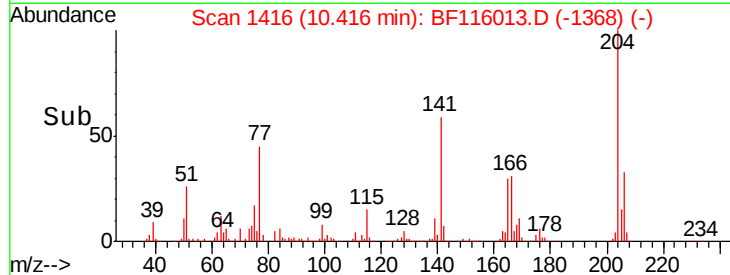
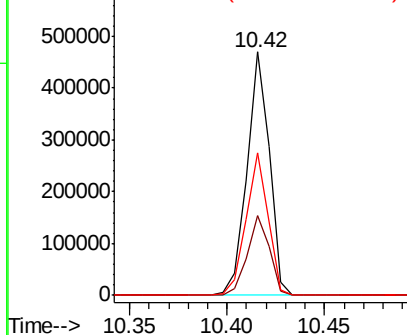
#61
4-Chlorophenyl-phenylether
Concen: 44.010 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.02 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:204 Resp: 372610
Ion Ratio Lower Upper
204 100
206 33.0 26.4 39.6
141 58.7 47.0 70.4

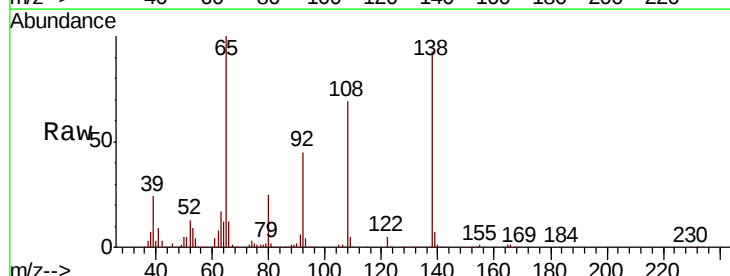


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

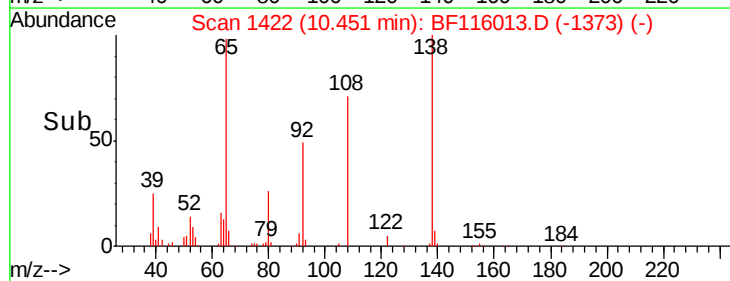
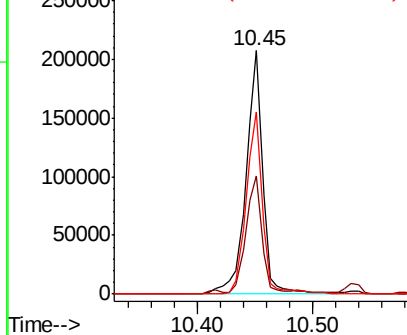


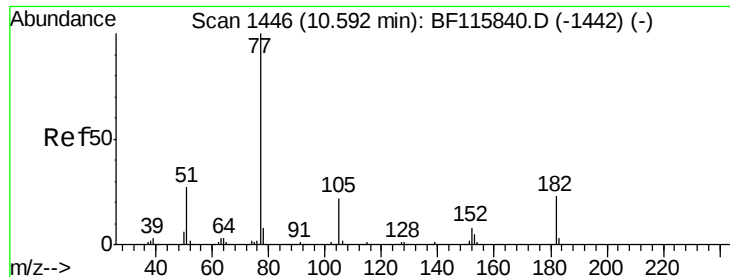
#62
4-Nitroaniline
Concen: 38.790 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Tgt Ion:138 Resp: 208226
Ion Ratio Lower Upper
138 100
92 48.7 31.0 71.0
108 74.7 56.7 96.7



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

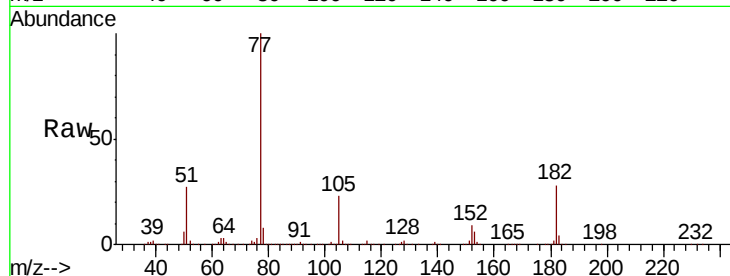




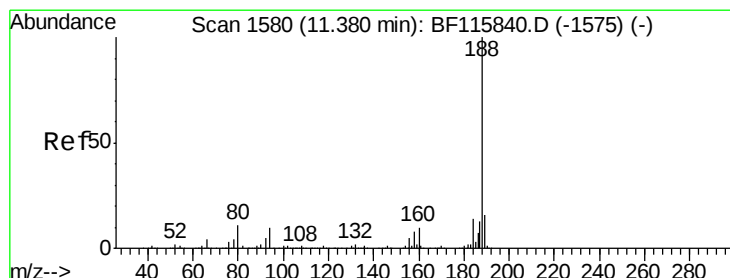
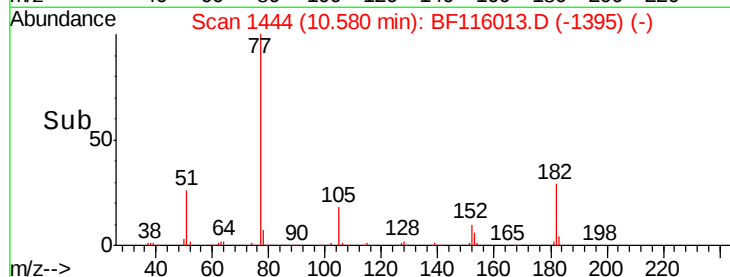
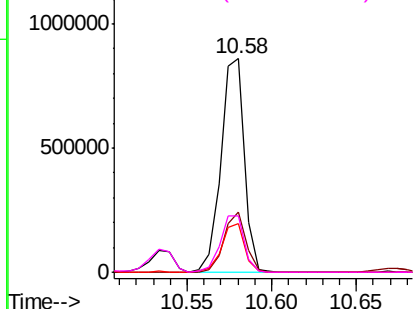
#63
Azobenzene
Concen: 44.397 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	77	Resp:	824717
Ion	Ratio	Lower	Upper
77	100		
182	28.3	2.6	42.6
105	23.1	1.6	41.6
51	26.5	7.4	47.4

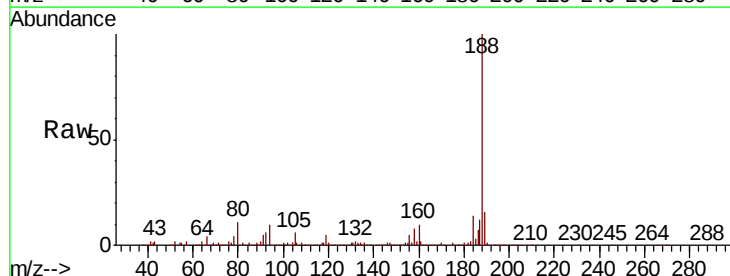


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

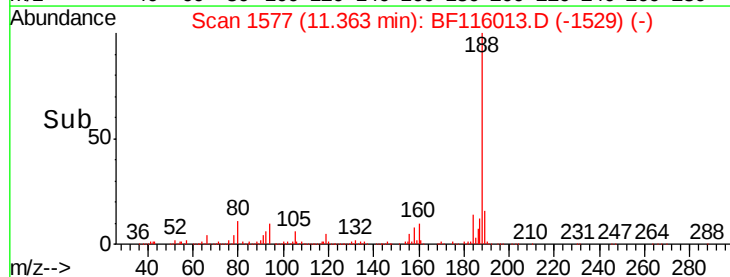
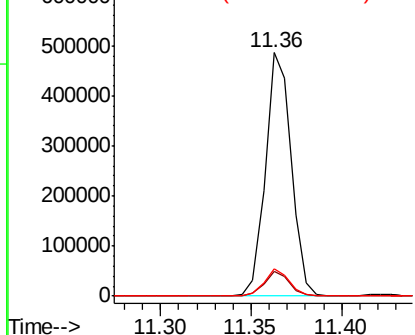


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Tgt Ion:	188	Resp:	481736
Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.0	12.0
80	11.5	8.6	12.8



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: 31.949 ng

RT: 10.49 min Scan# 1428

Delta R.T. -0.01 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

Instrument :

BNA_F

ClientSampled :

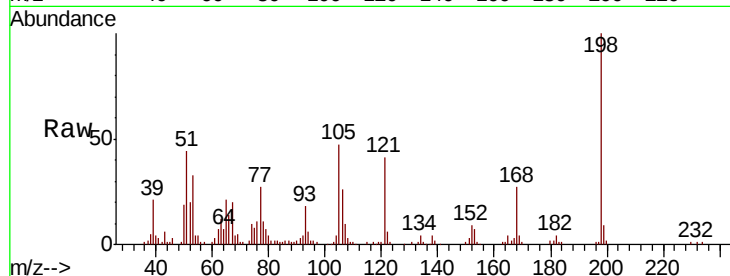
Tot Ion:198 Resp: 81561

Ion Ratio Lower Upper

198 100

51 44.0 21.1 61.1

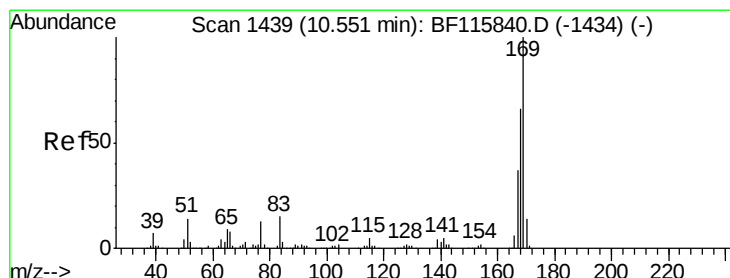
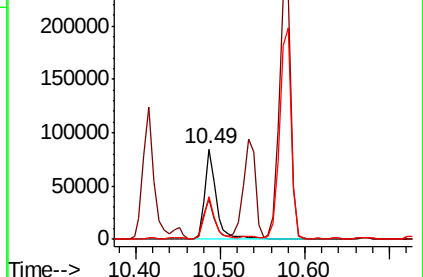
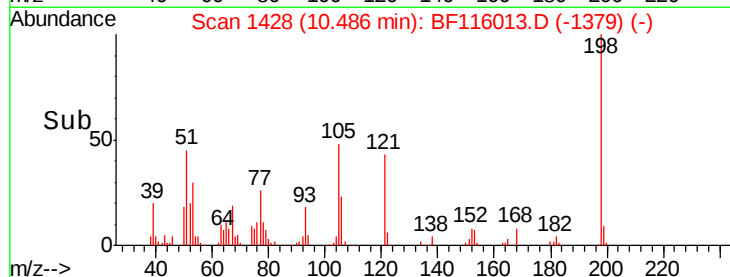
105 46.8 24.5 64.5



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: 46.222 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

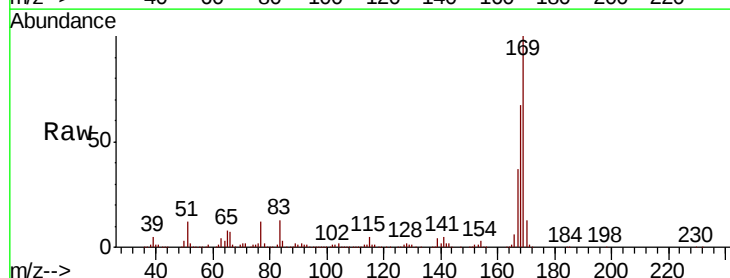
Tgt Ion:169 Resp: 670205

Ion Ratio Lower Upper

169 100

168 67.0 53.0 79.6

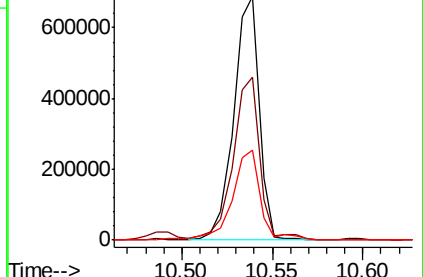
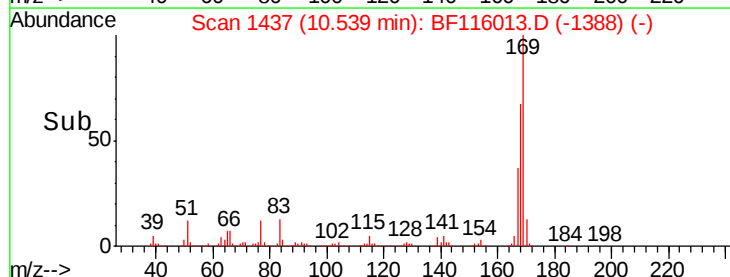
167 36.9 29.9 44.9

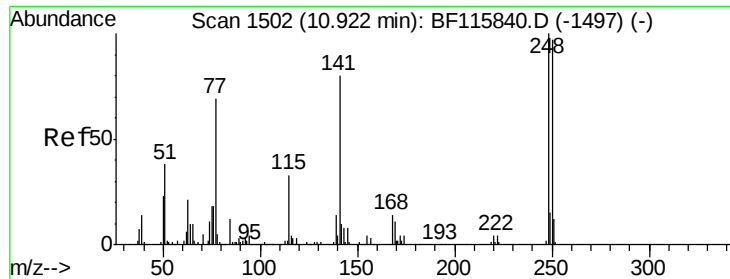


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

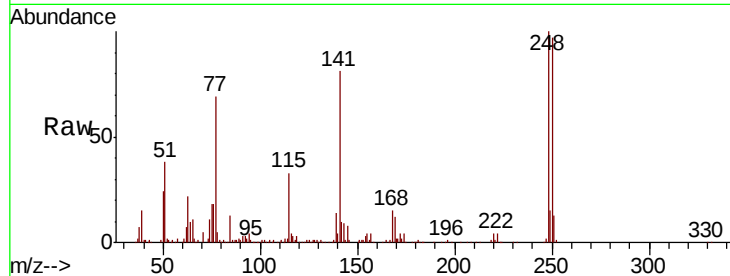




#67
4-Bromophenyl-phenylether
Concen: 44.535 ng
RT: 10.90 min Scan# 1499
Delta R.T. -0.02 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.7	77.8	116.6
141	81.0	64.3	96.5

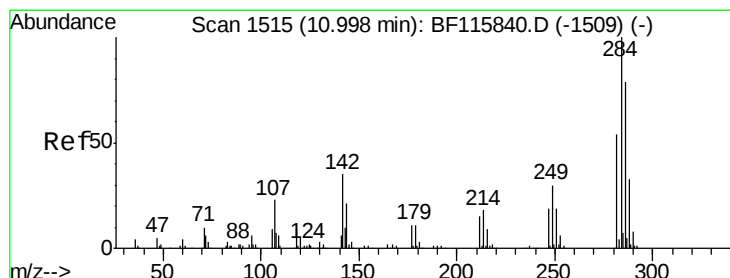
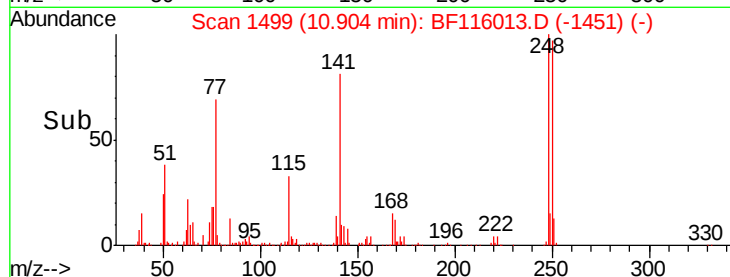
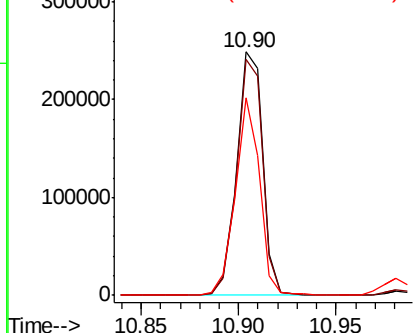


Abundance

Ion 248.00 (247.70 to 248.70): E

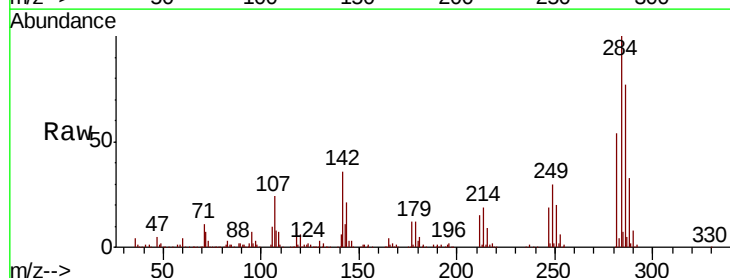
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 41.837 ng
RT: 10.98 min Scan# 1512
Delta R.T. -0.02 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.4	28.2	42.2
249	30.0	24.0	36.0

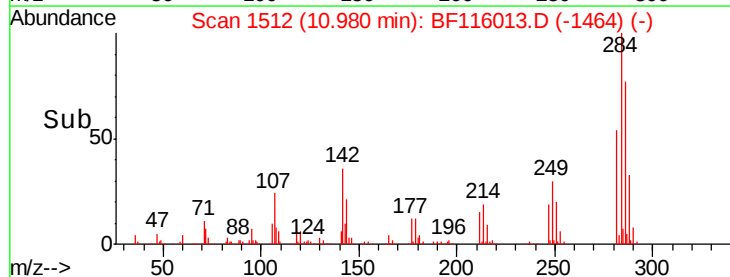
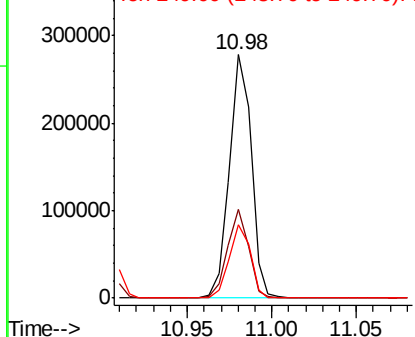


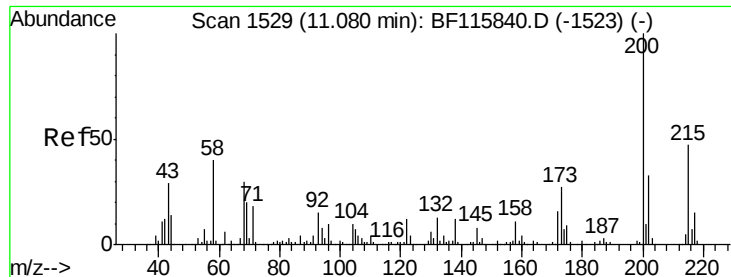
Abundance

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

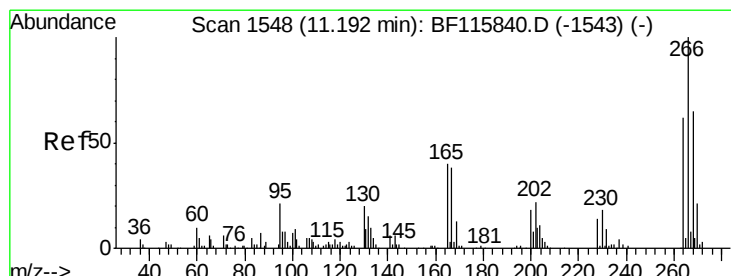
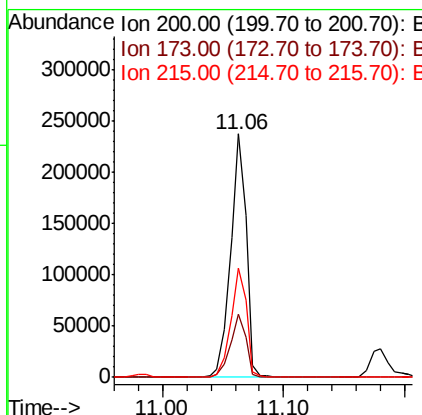
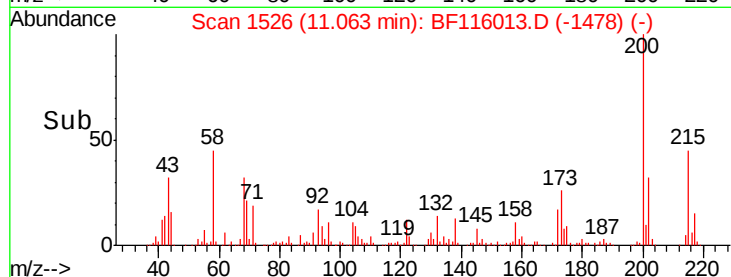
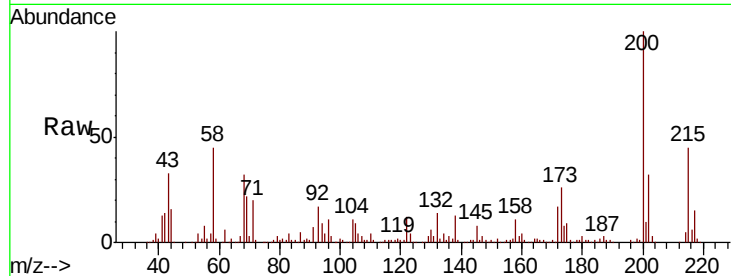




#69
 Atrazine
 Concen: 45.021 ng
 RT: 11.06 min Scan# 1526
 Delta R.T. -0.02 min
 Lab File: BF116013.D
 Acq: 6 Aug 2019 15:16

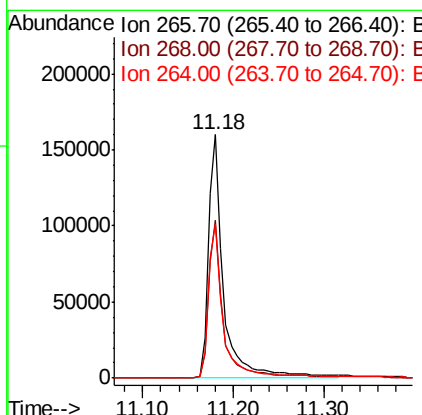
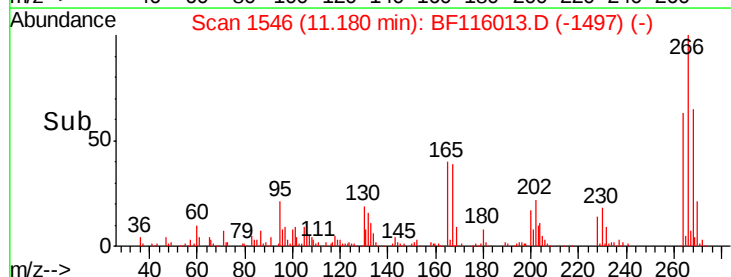
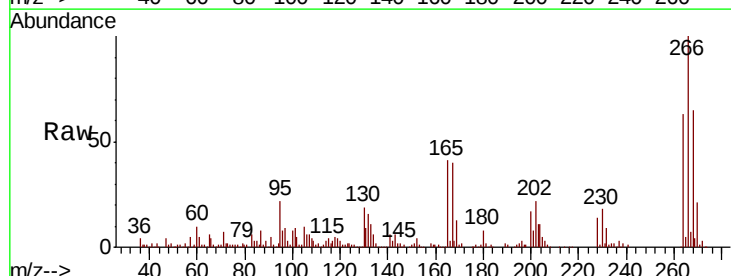
Instrument :
 BNA_F
 ClientSampleId :

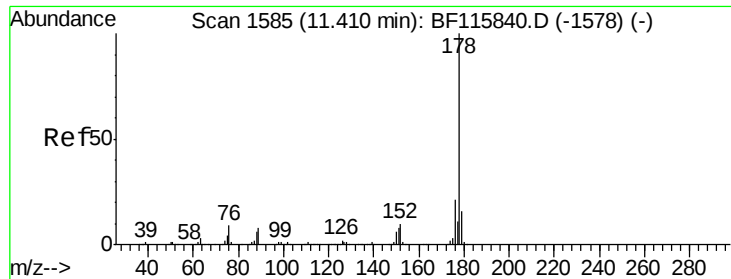
Tot Ion	Ratio	Lower	Upper
200	100		
173	26.2	7.3	47.3
215	45.0	26.9	66.9



#70
 Pentachlorophenol
 Concen: 65.704 ng
 RT: 11.18 min Scan# 1546
 Delta R.T. -0.01 min
 Lab File: BF116013.D
 Acq: 6 Aug 2019 15:16

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.6	51.6	77.4
264	63.1	49.4	74.0

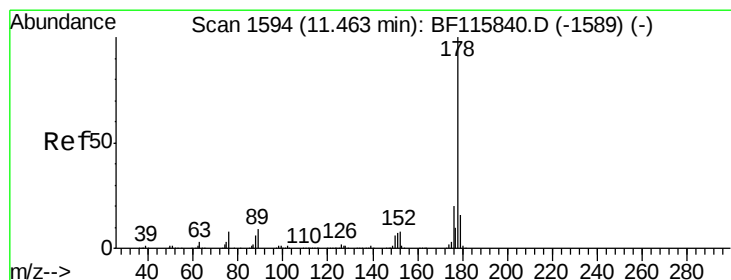
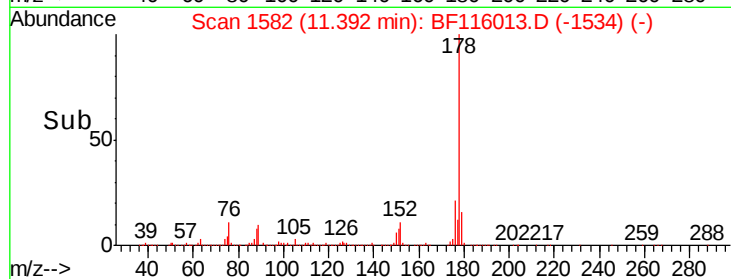
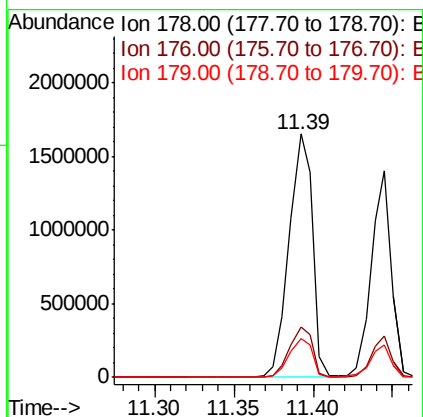
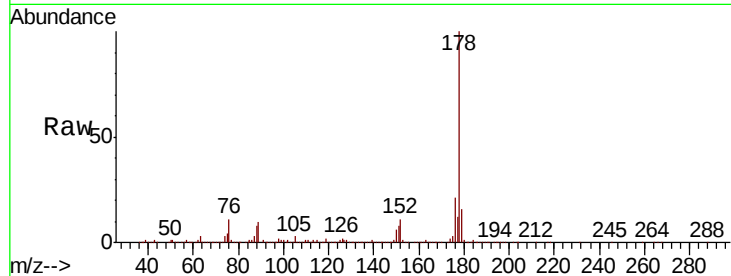




#71
Phenanthrene
Concen: 68.719 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.02 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

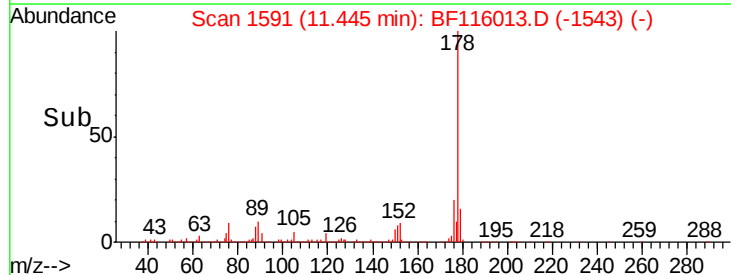
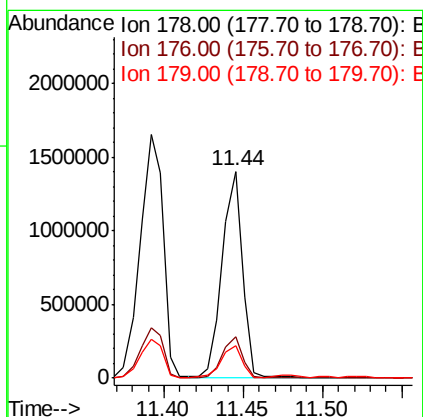
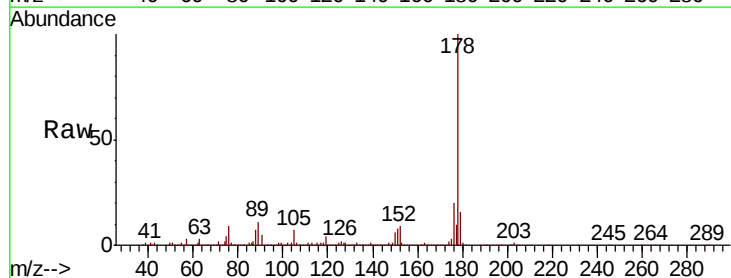
Instrument :
BNA_F
ClientSampleId :

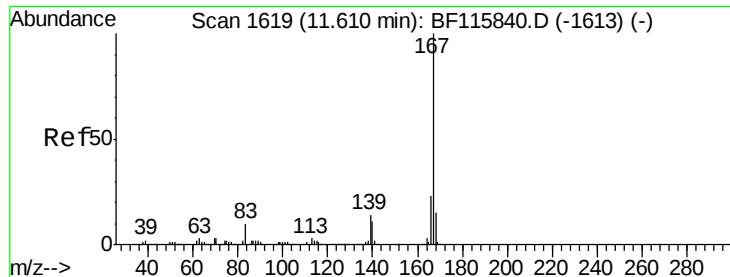
Tot Ion:178 Resp: 1692368
Ion Ratio Lower Upper
178 100
176 20.7 16.5 24.7
179 16.1 12.6 18.8



#72
Anthracene
Concen: 50.294 ng
RT: 11.44 min Scan# 1591
Delta R.T. -0.02 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Tgt Ion:178 Resp: 1253538
Ion Ratio Lower Upper
178 100
176 20.0 15.7 23.5
179 15.9 12.4 18.6

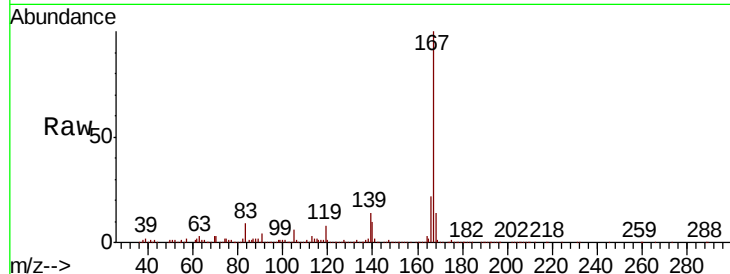




#73
 Carbazole
 Concen: 44.069 ng
 RT: 11.60 min Scan# 1617
 Delta R.T. -0.01 min
 Lab File: BF116013.D
 Acq: 6 Aug 2019 15:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.0	27.0
139	14.1	11.4	17.2

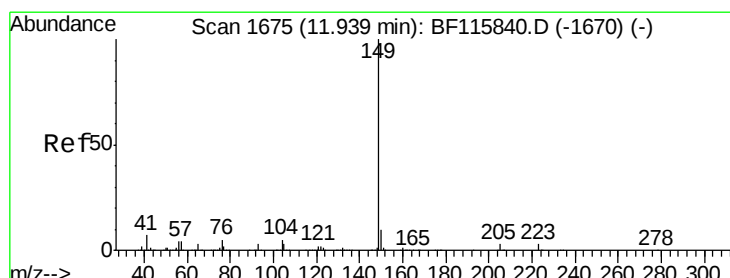
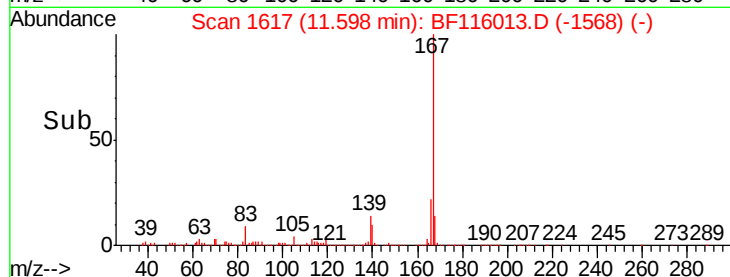
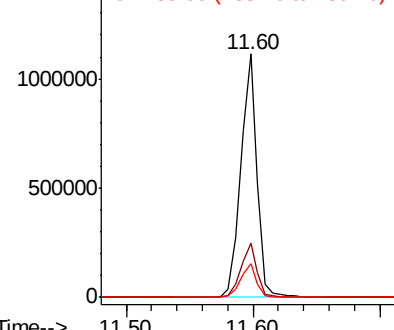


Abundance

Ion 167.00 (166.70 to 167.70): E

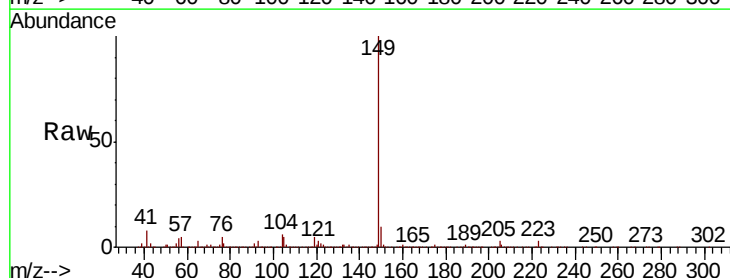
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74
 Di-n-butylphthalate
 Concen: 46.065 ng
 RT: 11.92 min Scan# 1672
 Delta R.T. -0.02 min
 Lab File: BF116013.D
 Acq: 6 Aug 2019 15:16

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	5.5	4.3	6.5

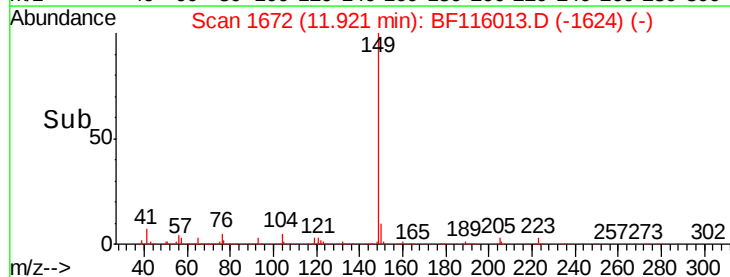
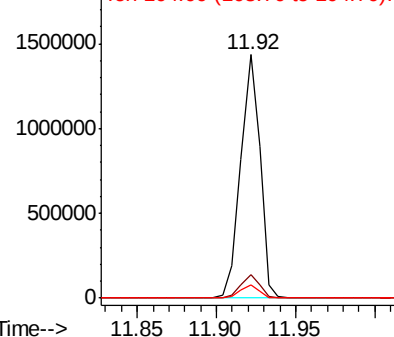


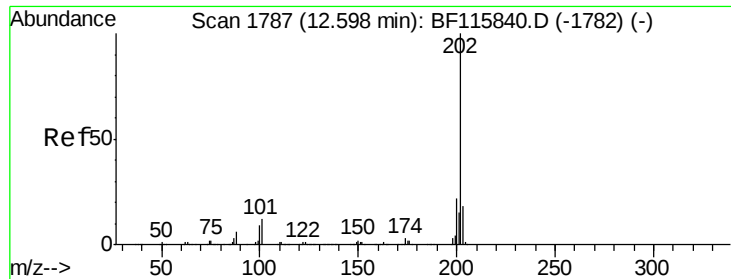
Abundance

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: 72.116 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

Instrument :

BNA_F

ClientSampleId :

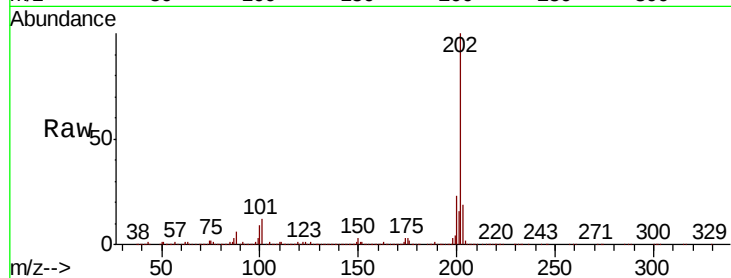
Tot Ion:202 Resp: 1859324

Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.5

203 18.9 0.0 37.9

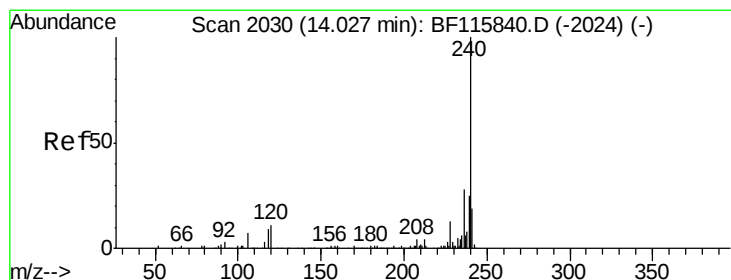
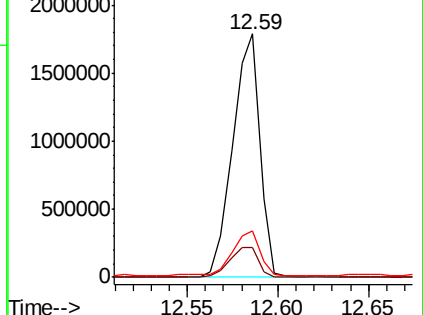
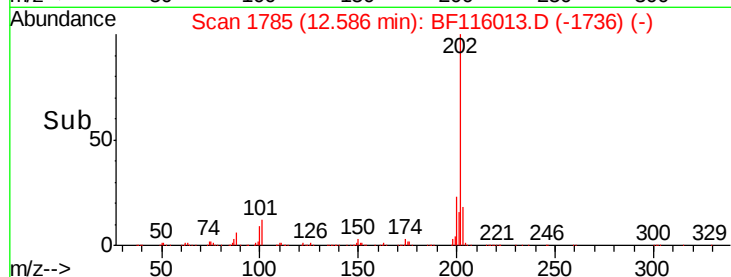


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.02 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

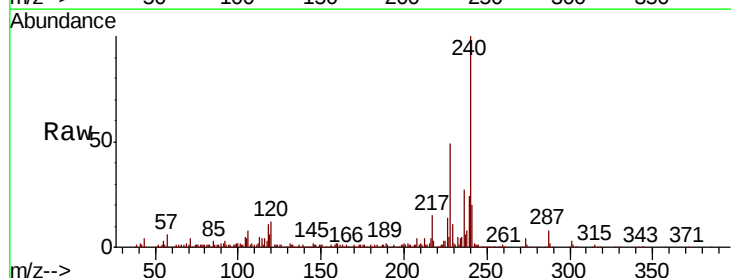
Tgt Ion:240 Resp: 288026

Ion Ratio Lower Upper

240 100

120 11.6 8.5 12.7

236 27.5 22.2 33.2

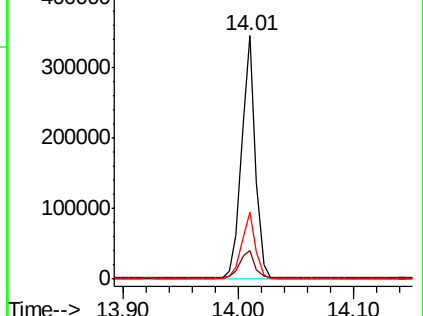
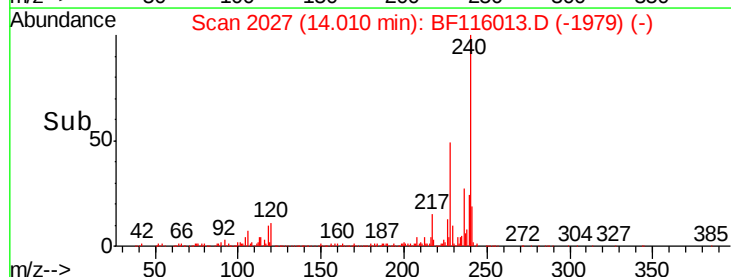


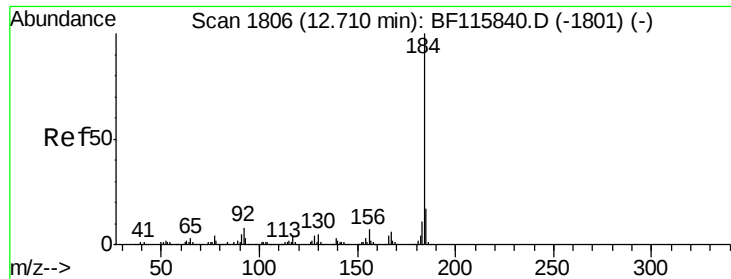
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 55.908 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

Instrument :

BNA_F

ClientSampleId :

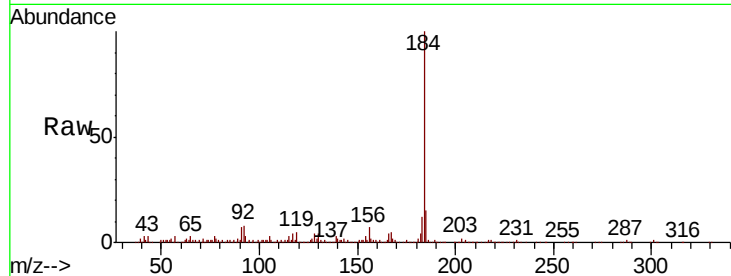
Tot Ion:184 Resp: 544022

Ion Ratio Lower Upper

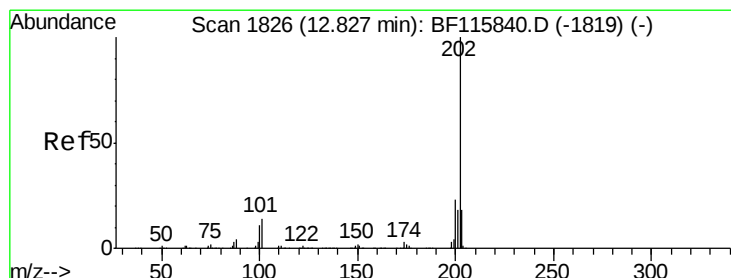
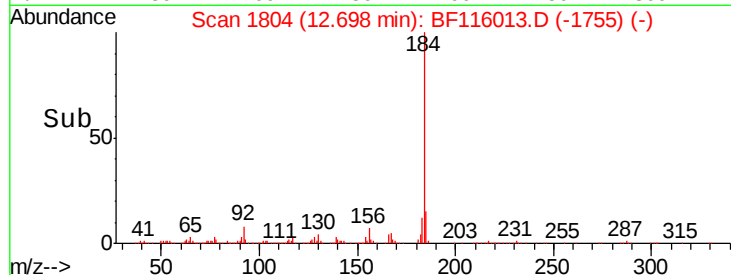
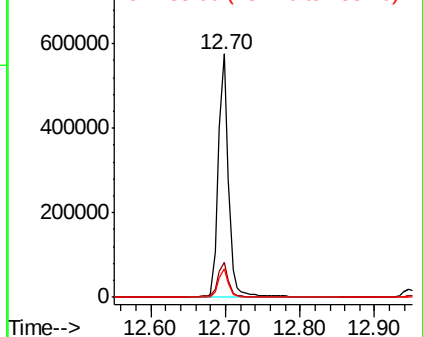
184 100

185 14.6 13.4 20.2

183 11.6 9.1 13.7



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 79.566 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

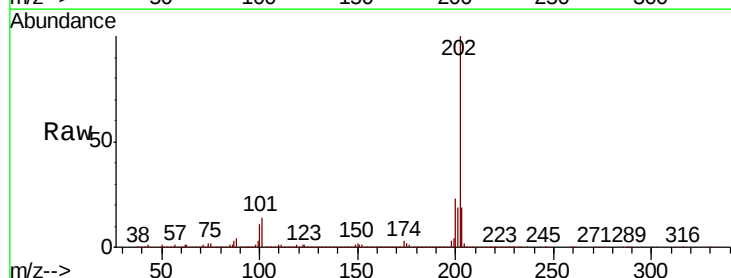
Tgt Ion:202 Resp: 1727522

Ion Ratio Lower Upper

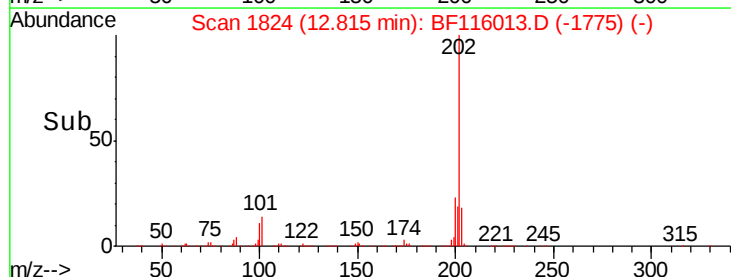
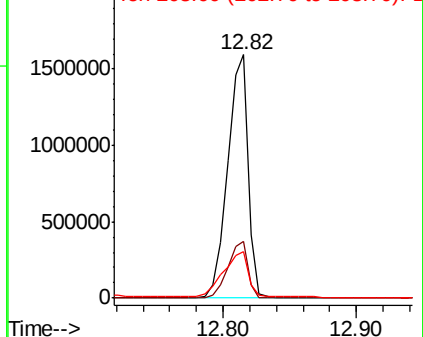
202 100

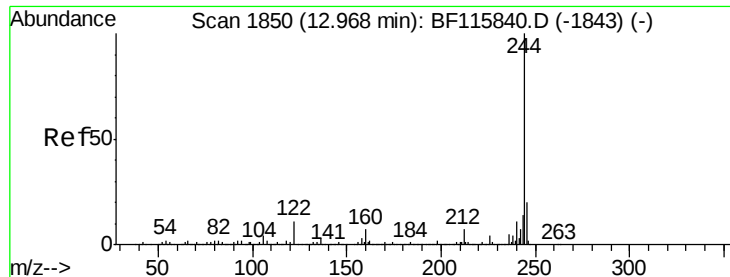
200 23.3 18.2 27.2

203 18.9 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



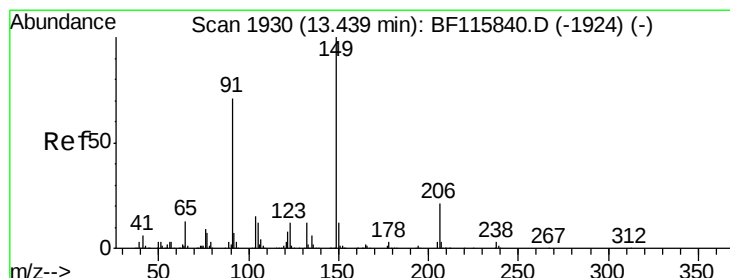
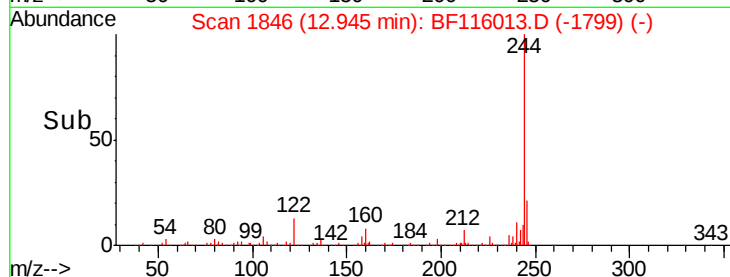
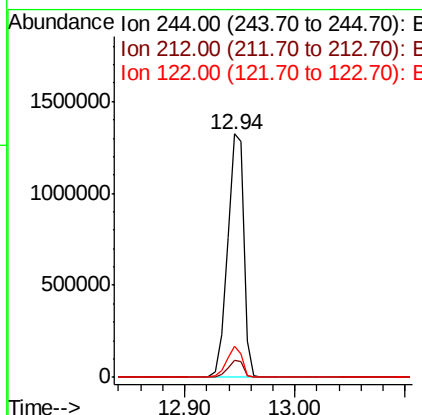
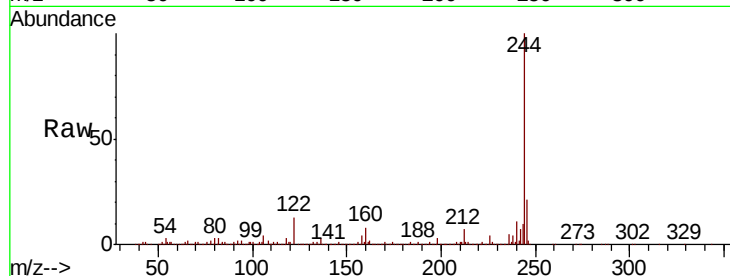


#79
 Terphenyl-d14
 Concen: 99.582 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.02 min
 Lab File: BF116013.D
 Acq: 6 Aug 2019 15:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1361169

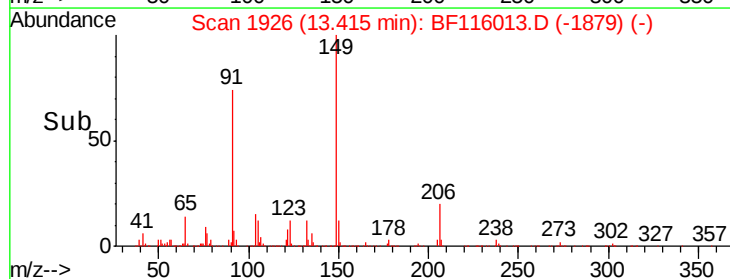
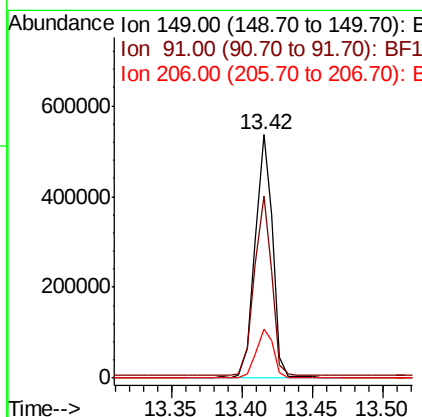
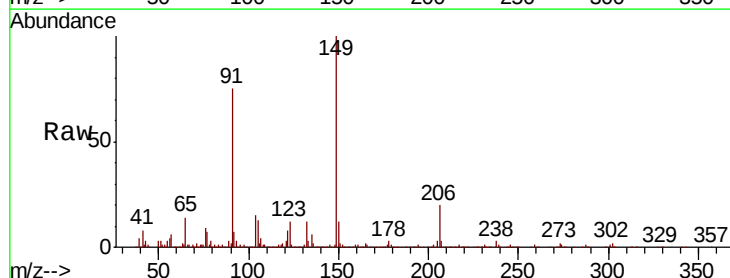
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	12.6	8.6	13.0

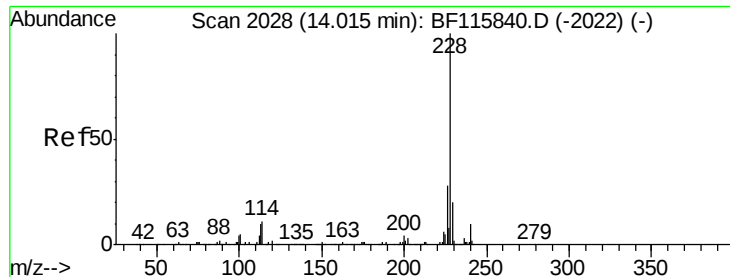


#80
 Butylbenzylphthalate
 Concen: 50.510 ng
 RT: 13.42 min Scan# 1926
 Delta R.T. -0.02 min
 Lab File: BF116013.D
 Acq: 6 Aug 2019 15:16

Tgt Ion:149 Resp: 463893

Ion	Ratio	Lower	Upper
149	100		
91	75.0	57.0	85.6
206	20.2	16.9	25.3





#81

Benzo(a)anthracene

Concen: 65.701 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

Instrument :

BNA_F

ClientSampled :

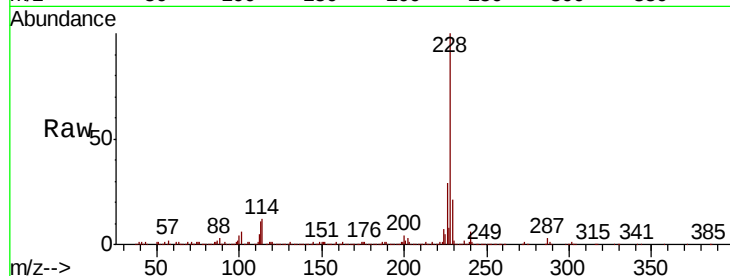
Tot Ion:228 Resp: 1209529

Ion Ratio Lower Upper

228 100

226 28.9 22.5 33.7

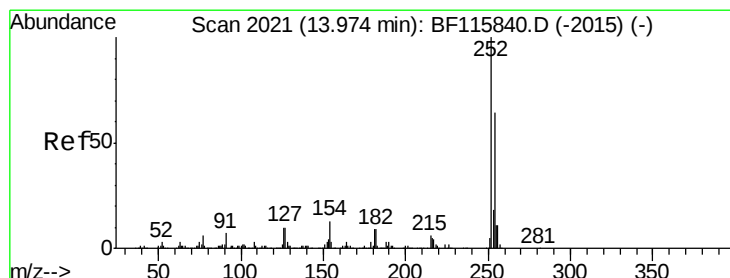
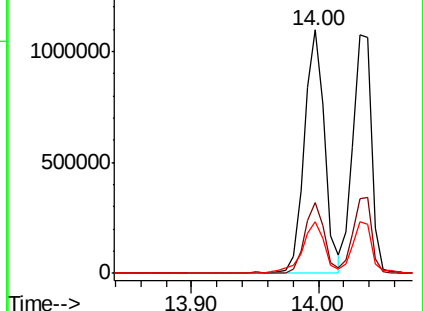
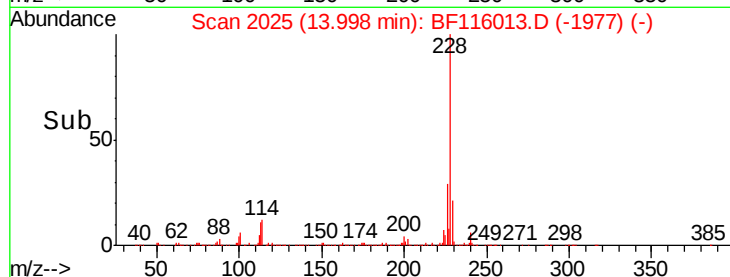
229 21.0 16.1 24.1



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



#82

3,3'-Dichlorobenzidine

Concen: 37.670 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.02 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

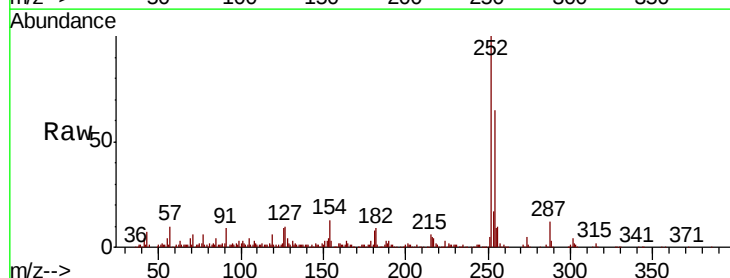
Tgt Ion:252 Resp: 240932

Ion Ratio Lower Upper

252 100

254 64.9 51.2 76.8

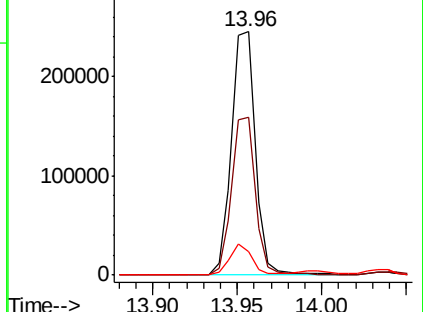
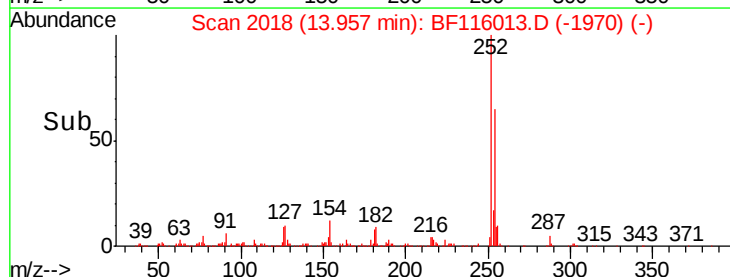
126 9.4 8.1 12.1

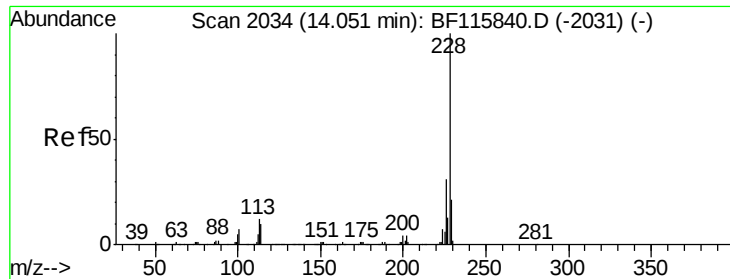


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

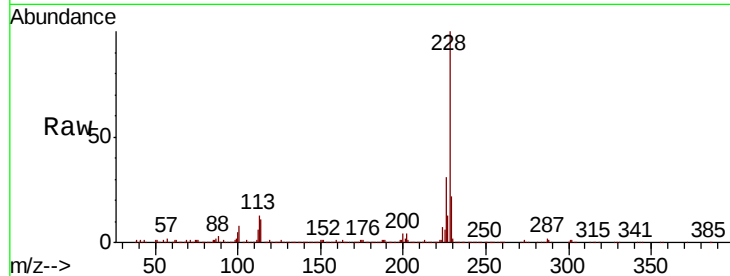




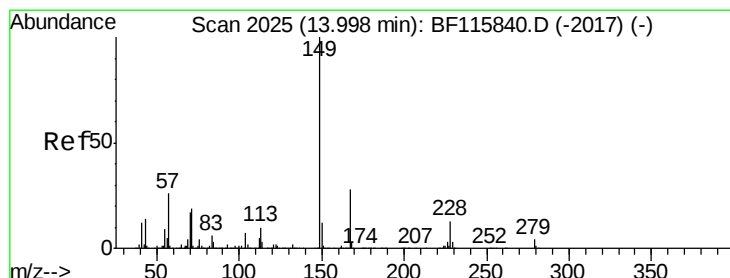
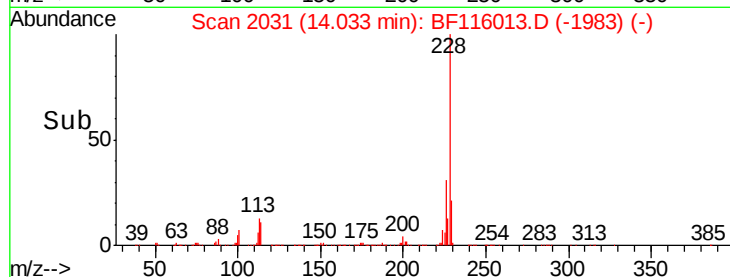
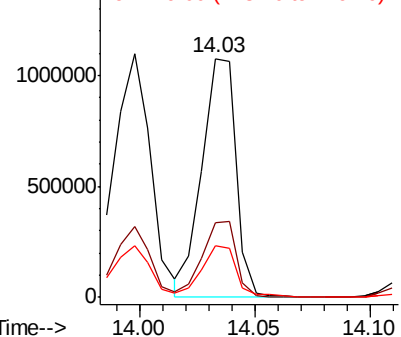
#83
 Chrvsene
 Concen: 61.849 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.02 min
 Lab File: BF116013.D
 Acq: 6 Aug 2019 15:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:228 Resp: 1105411
 Ion Ratio Lower Upper
 228 100
 226 31.5 24.8 37.2
 229 21.7 16.4 24.6

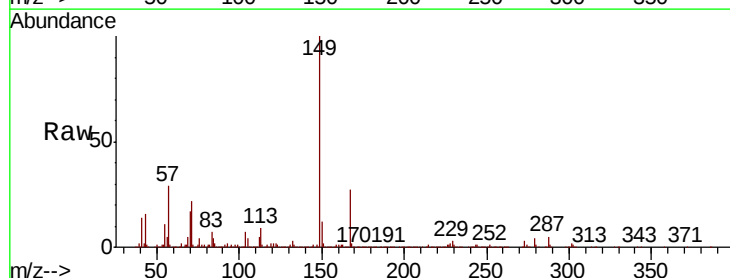


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

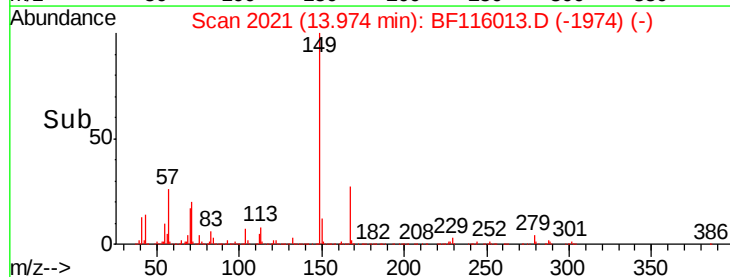
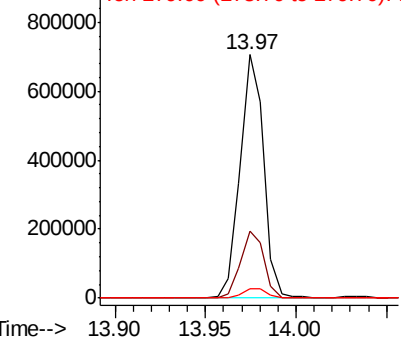


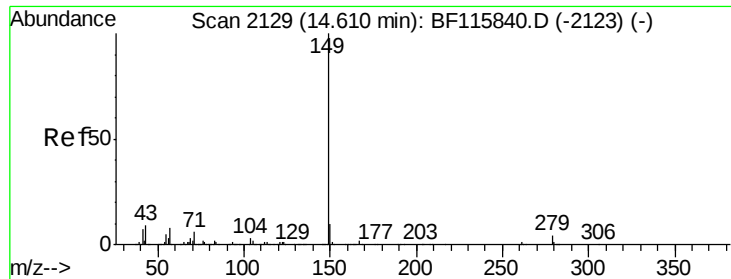
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 53.052 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.02 min
 Lab File: BF116013.D
 Acq: 6 Aug 2019 15:16

Tgt Ion:149 Resp: 633163
 Ion Ratio Lower Upper
 149 100
 167 27.3 22.4 33.6
 279 3.7 3.3 4.9



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

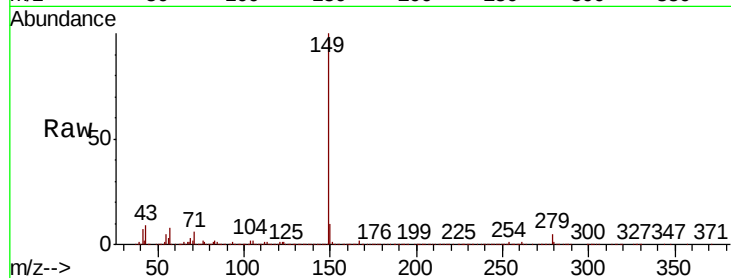




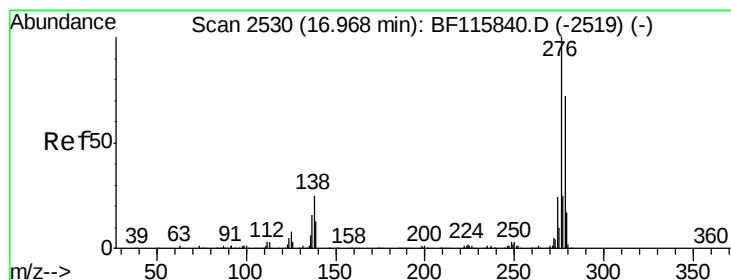
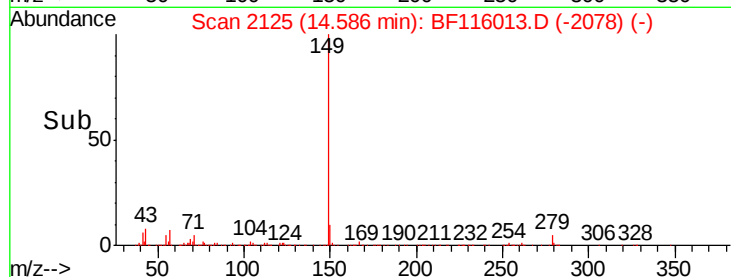
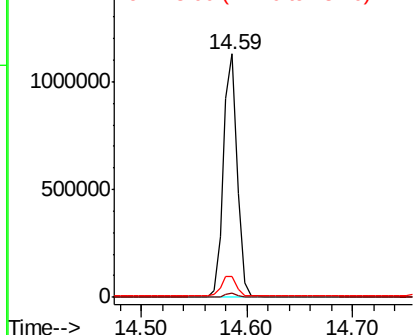
#85
Di-n-octyl phthalate
Concen: 54.566 ng
RT: 14.59 min Scan# 2125
Delta R.T. -0.02 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 1034389
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 9.0 7.4 11.0

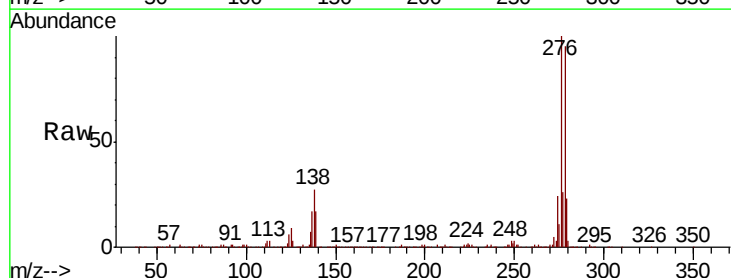


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

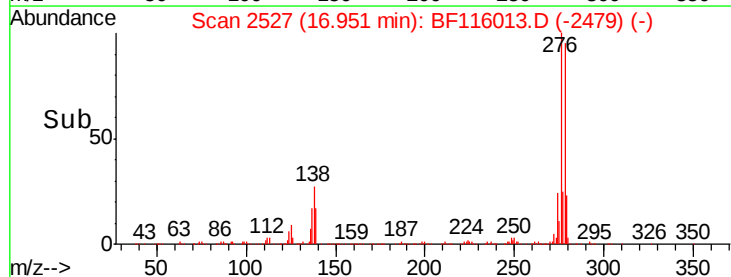
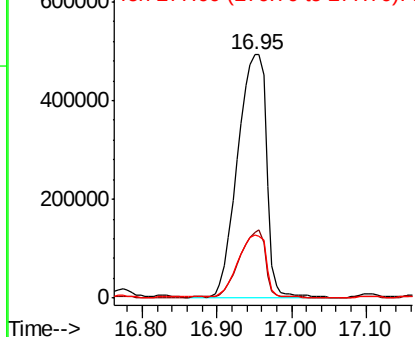


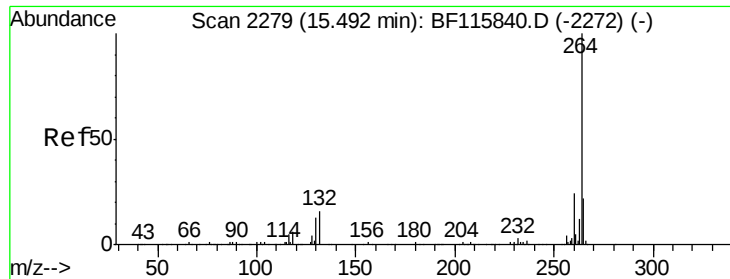
#86
Indeno(1,2,3-cd)pyrene
Concen: 88.062 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.02 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Tgt Ion:276 Resp: 1321931
Ion Ratio Lower Upper
276 100
138 25.4 19.6 29.4
277 24.9 20.1 30.1



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

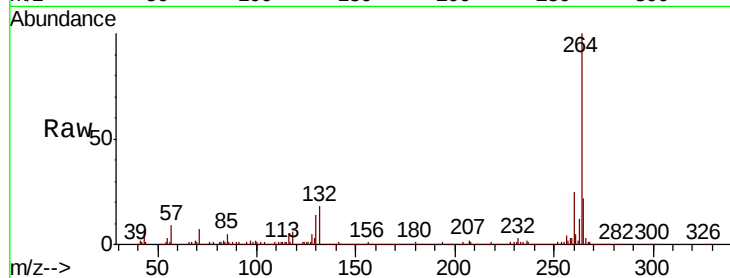




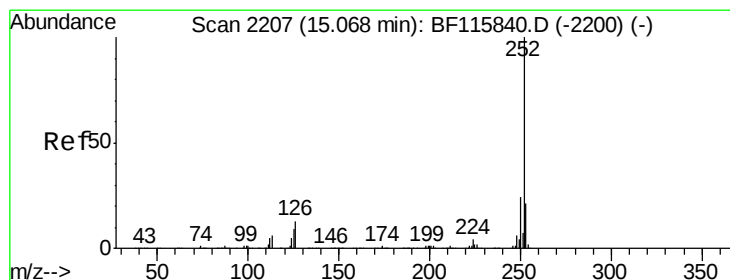
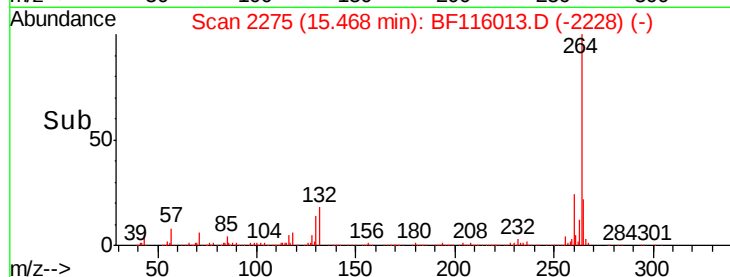
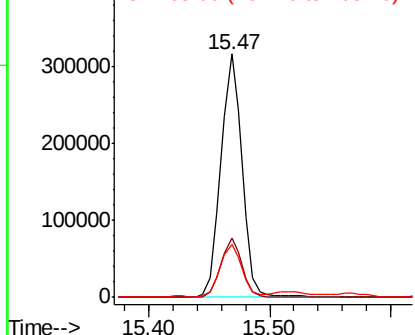
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.02 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 380535
Ion Ratio Lower Upper
264 100
260 24.6 19.4 29.2
265 21.9 17.5 26.3

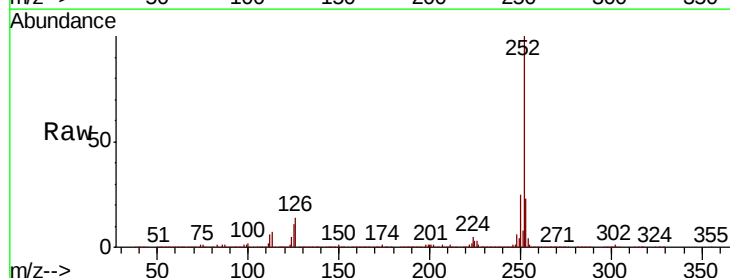


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

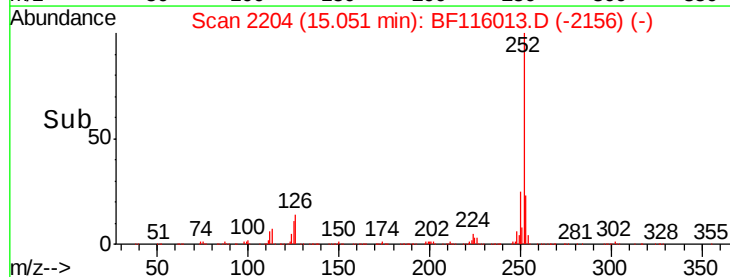
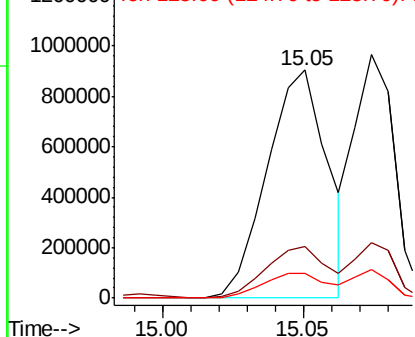


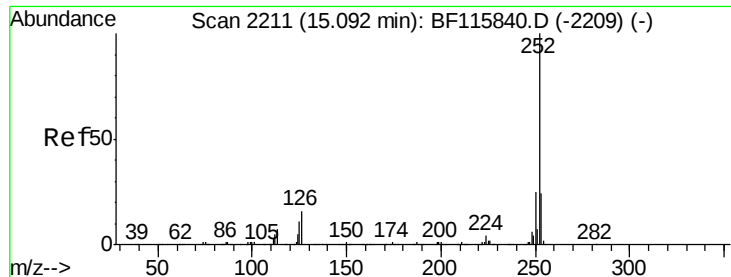
#88
Benzo(b)fluoranthene
Concen: 60.638 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Tgt Ion:252 Resp: 1334210
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 11.1 7.4 11.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

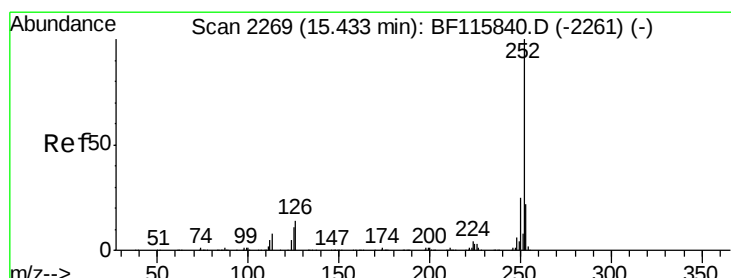
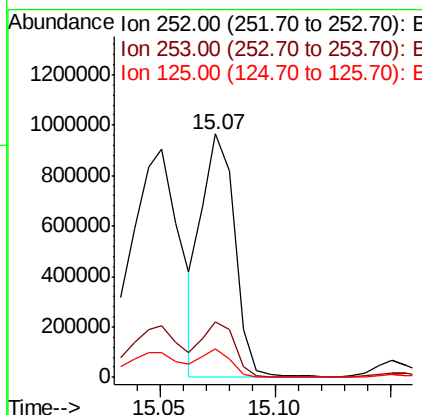
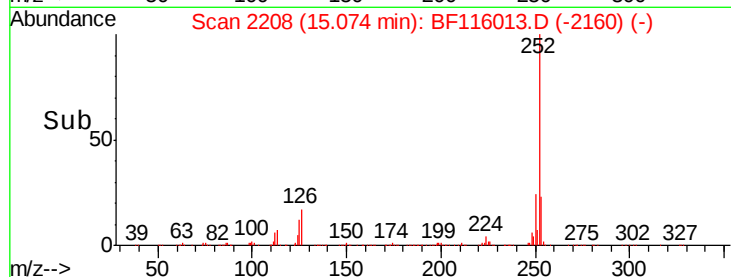
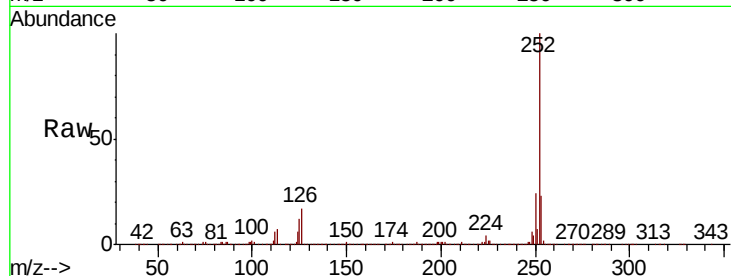




#89
Benzo(k)fluoranthene
Concen: 44.362 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

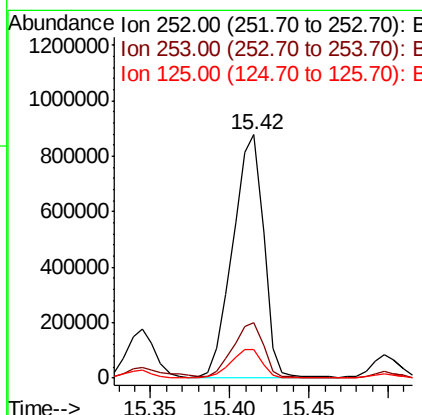
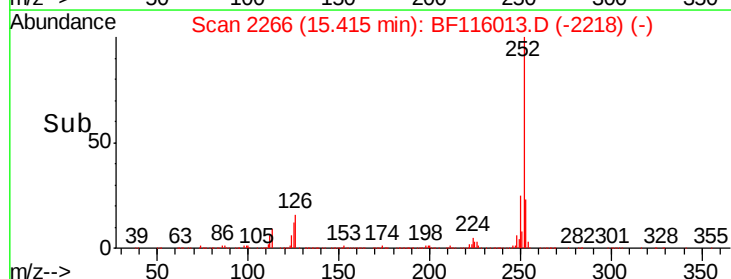
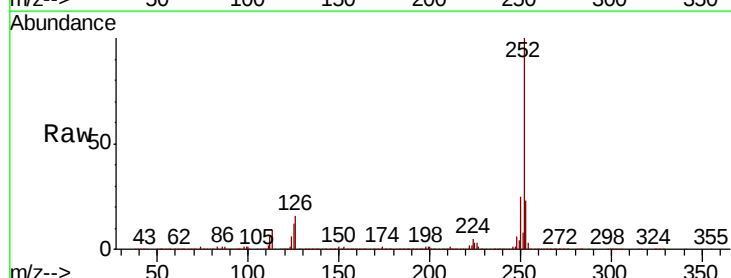
Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 950720
Ion Ratio Lower Upper
252 100
253 22.9 18.2 27.4
125 11.6 8.9 13.3



#90
Benzo(a)pyrene
Concen: 59.943 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.02 min
Lab File: BF116013.D
Acq: 6 Aug 2019 15:16

Tgt Ion:252 Resp: 1179015
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 11.9 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 55.582 ng

RT: 16.96 min Scan# 2528

Delta R.T. -0.02 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

Instrument :

BNA_F

ClientSampleId :

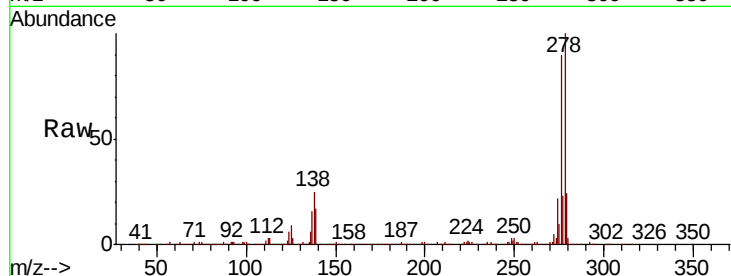
Tot Ion:278 Resp: 946322

Ion Ratio Lower Upper

278 100

139 17.4 12.6 19.0

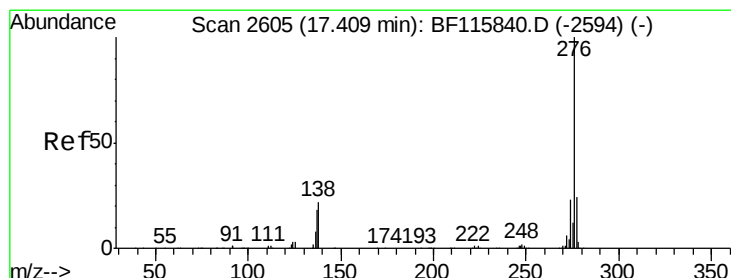
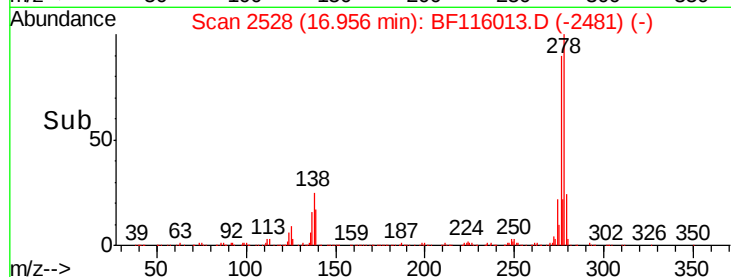
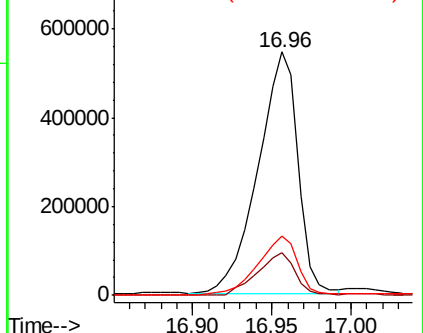
279 24.3 18.8 28.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 67.356 ng

RT: 17.39 min Scan# 2602

Delta R.T. -0.02 min

Lab File: BF116013.D

Acq: 6 Aug 2019 15:16

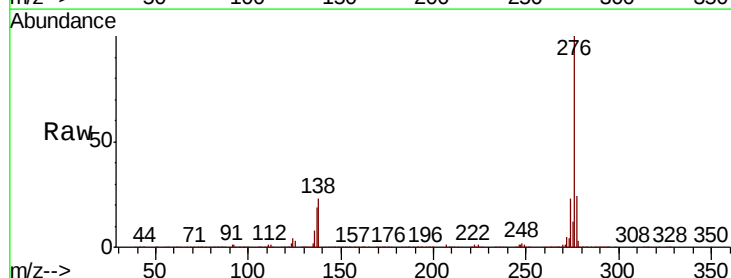
Tgt Ion:276 Resp: 1126241

Ion Ratio Lower Upper

276 100

277 24.0 19.5 29.3

138 23.2 17.8 26.8



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

