

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091019\
 Data File : BF116928.D
 Acq On : 10 Sep 2019 18:27
 Operator : HP/JU
 Sample : K4656-03MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 11 01:13:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 17:49:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	87576	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	341229	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	173565	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	280627	20.00	ng	0.00
76) Chrysene-d12	13.99	240	185705	20.00	ng	0.00
87) Perylene-d12	15.43	264	164589	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	639110	118.23	ng	0.02
7) Phenol-d6	6.48	99	798428	112.48	ng	0.00
23) Nitrobenzene-d5	7.40	82	594777	99.51	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	207715	179.02	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1013649	98.52	ng	0.00
79) Terphenyl-d14	12.93	244	1010287	100.64	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.73	88	88522	35.474	ng	# 82
3) Pyridine	3.46	79	150582	20.841	ng	92
4) n-Nitrosodimethylamine	3.38	42	95315	38.417	ng	91
6) Aniline	6.50	93	91956	9.353	ng	# 92
8) 2-Chlorophenol	6.63	128	270989	45.922	ng	98
9) Benzaldehyde	6.38	77	40991	8.765	ng	97
10) Phenol	6.49	94	303688	38.636	ng	98
11) bis(2-Chloroethyl)ether	6.57	93	261834	42.781	ng	97
12) 1,3-Dichlorobenzene	6.78	146	264181	39.610	ng	97
13) 1,4-Dichlorobenzene	6.85	146	269200	40.542	ng	99
14) 1,2-Dichlorobenzene	7.01	146	256695	41.716	ng	97
15) Benzyl Alcohol	6.98	79	254164	44.111	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.11	45	248378	34.590	ng	82
17) 2-Methylphenol	7.09	107	222137	43.001	ng	98
18) Hexachloroethane	7.35	117	103316	40.049	ng	94
19) n-Nitroso-di-n-propylamine	7.25	70	202915	43.416	ng	93
20) 3+4-Methylphenols	7.25	107	276837	46.090	ng	# 72
22) Acetophenone	7.25	105	406368	49.466	ng	95
24) Nitrobenzene	7.42	77	319333	52.529	ng	98
25) Isophorone	7.66	82	559420	46.187	ng	98
26) 2-Nitrophenol	7.73	139	144827	64.079	ng	97
27) 2,4-Dimethylphenol	7.77	122	240507	52.690	ng	98
28) bis(2-Chloroethoxy)methane	7.86	93	333124	45.007	ng	99
29) 2,4-Dichlorophenol	7.97	162	229746	52.374	ng	97
30) 1,2,4-Trichlorobenzene	8.06	180	219934	46.225	ng	95
31) Naphthalene	8.14	128	792154	48.821	ng	99
32) Benzoic acid	7.89	122	97112	37.679	ng	100
33) 4-Chloroaniline	8.19	127	56000	7.582	ng	97
34) Hexachlorobutadiene	8.26	225	121031	46.654	ng	98
35) Caprolactam	8.56	113	54003m	32.895	ng	
36) 4-Chloro-3-methylphenol	8.67	107	270187	53.590	ng	98
37) 2-Methylnaphthalene	8.83	142	536503	49.695	ng	98
38) 1-Methylnaphthalene	8.93	142	494446	48.517	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	208794	50.183	ng	98

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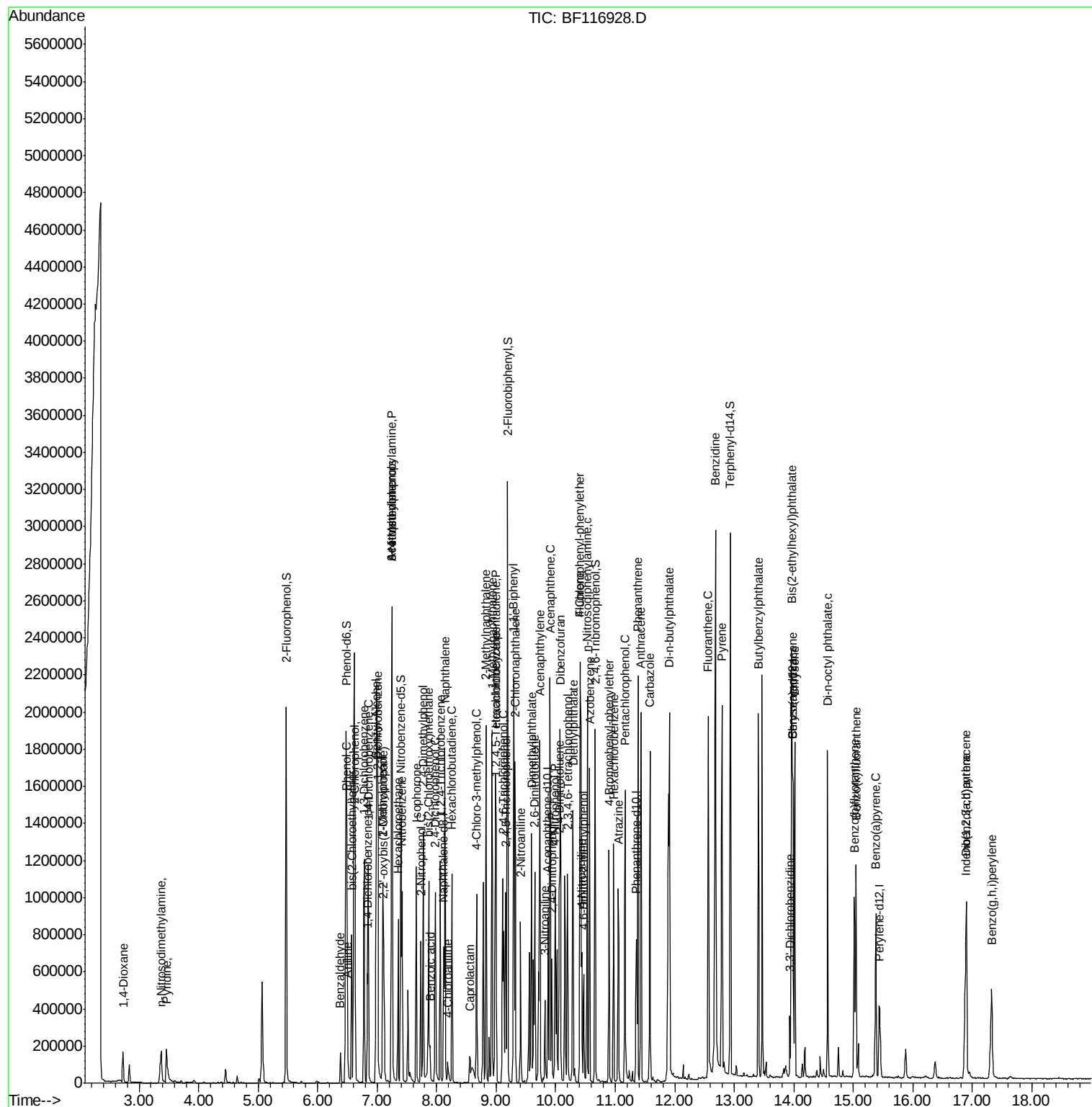
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.99	237	214924	89.453	ng	100
43) 2,4,6-Trichlorophenol	9.11	196	151908	53.261	ng	97
44) 2,4,5-Trichlorophenol	9.16	196	167080	56.427	ng	98
46) 1,1'-Biphenyl	9.29	154	635103	48.222	ng	98
47) 2-Chloronaphthalene	9.32	162	502828	48.203	ng	97
48) 2-Nitroaniline	9.41	65	157475	52.218	ng	97
49) Acenaphthylene	9.73	152	789388	50.061	ng	99
50) Dimethylphthalate	9.59	163	644171	53.758	ng	99
51) 2,6-Dinitrotoluene	9.65	165	134223	58.709	ng	98
52) Acenaphthene	9.90	154	462660	47.753	ng	99
53) 3-Nitroaniline	9.82	138	75250	26.264	ng	93
54) 2,4-Dinitrophenol	9.93	184	85614	102.651	ng	96
55) Dibenzofuran	10.07	168	686627	50.272	ng	96
56) 4-Nitrophenol	9.99	139	204820	104.258	ng	94
57) 2,4-Dinitrotoluene	10.06	165	182839	65.404	ng	96
58) Fluorene	10.42	166	559782	53.789	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.20	232	128625	60.190	ng	95
60) Diethylphthalate	10.29	149	600664	50.042	ng	99
61) 4-Chlorophenyl-phenylether	10.41	204	240667	52.810	ng	98
62) 4-Nitroaniline	10.44	138	140693	50.600	ng	95
63) Azobenzene	10.57	77	615939	49.212	ng	94
65) 4,6-Dinitro-2-methylphenol	10.47	198	66304	61.645	ng	84
66) n-Nitrosodiphenylamine	10.53	169	495476	51.039	ng	96
67) 4-Bromophenyl-phenylether	10.90	248	142066	49.834	ng	95
68) Hexachlorobenzene	10.97	284	145902	48.917	ng	93
69) Atrazine	11.05	200	121319	44.620	ng	98
70) Pentachlorophenol	11.16	266	169293	117.332	ng	99
71) Phenanthrene	11.38	178	800499	51.243	ng	99
72) Anthracene	11.43	178	823718	52.382	ng	100
73) Carbazole	11.58	167	772236	51.554	ng	100
74) Di-n-butylphthalate	11.91	149	946583	49.293	ng	99
75) Fluoranthene	12.56	202	809620	52.737	ng	98
77) Benzidine	12.69	184	6627	0.910	ng	# 1
78) Pyrene	12.79	202	806587	48.861	ng	99
80) Butylbenzylphthalate	13.40	149	392823	48.933	ng	99
81) Benzo(a)anthracene	13.98	228	593408	50.489	ng	99
82) 3,3'-Dichlorobenzidine	13.93	252	63528	15.994	ng	98
83) Chrysene	14.02	228	587724	48.537	ng	100
84) Bis(2-ethylhexyl)phthalate	13.96	149	549236	55.424	ng	100
85) Di-n-octyl phthalate	14.57	149	851924	52.533	ng	# 95
86) Indeno(1,2,3-cd)pyrene	16.89	276	509680	52.404	ng	97
88) Benzo(b)fluoranthene	15.02	252	517638	52.020	ng	99
89) Benzo(k)fluoranthene	15.04	252	441313	48.641	ng	99
90) Benzo(a)pyrene	15.38	252	448288	51.781	ng	99
91) Dibenzo(a,h)anthracene	16.90	278	424174	55.976	ng	99
92) Benzo(g,h,i)perylene	17.33	276	429131	55.527	ng	98

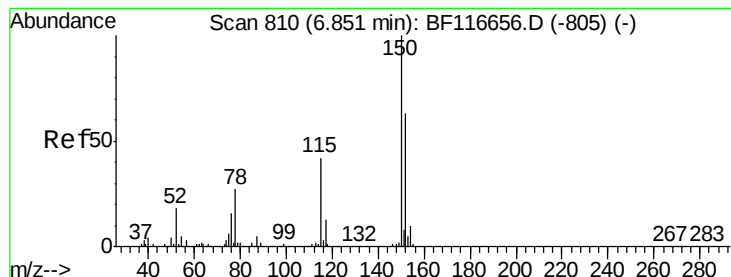
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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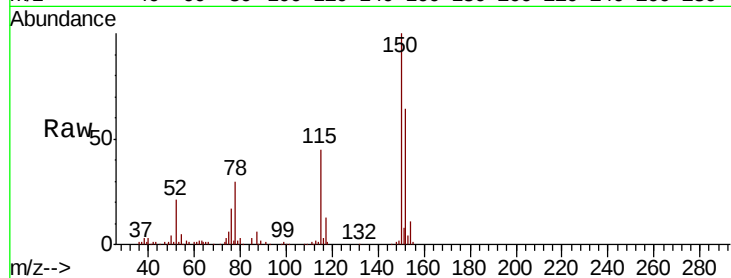


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF116928.D
Acq: 10 Sep 2019 18:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.4	186.6
115	69.5	49.9	74.9

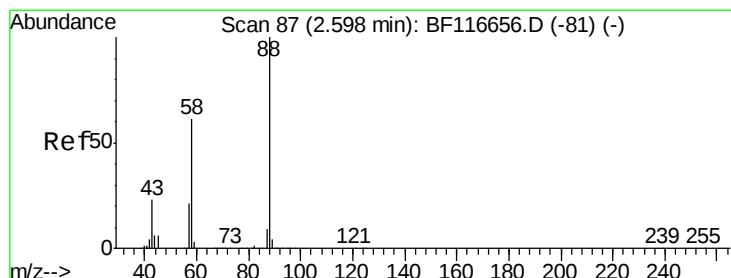
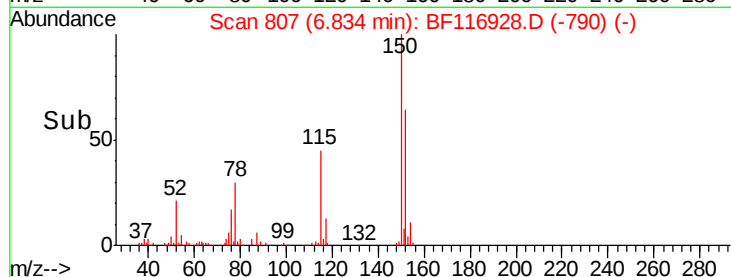
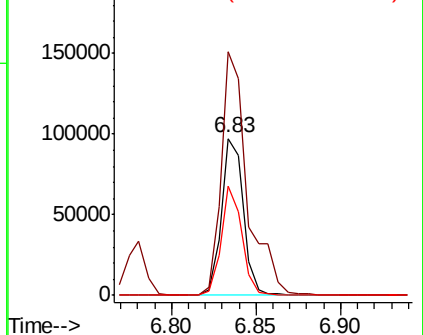


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

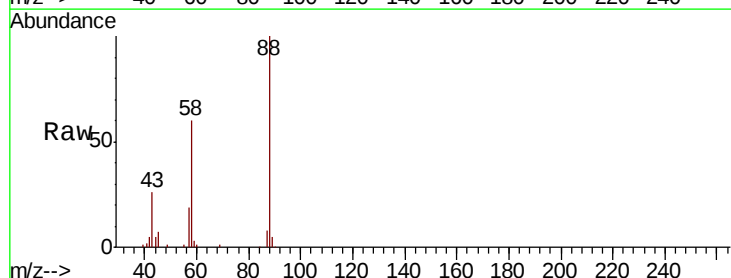
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 35.474 ng
RT: 2.73 min Scan# 109
Delta R.T. 0.15 min
Lab File: BF116928.D
Acq: 10 Sep 2019 18:27

Tgt Ion	Ratio	Lower	Upper
88	100		
58	60.5	51.7	77.5
43	0.0	19.8	29.8

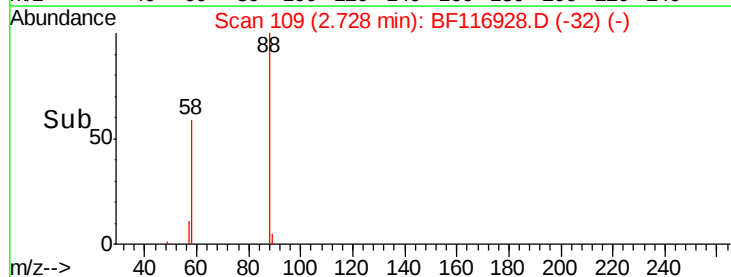
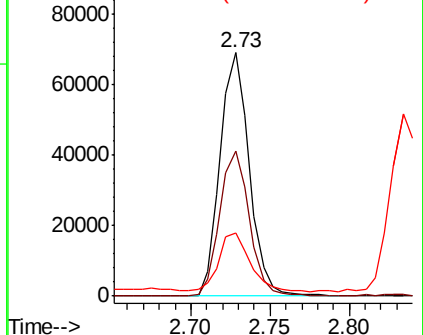


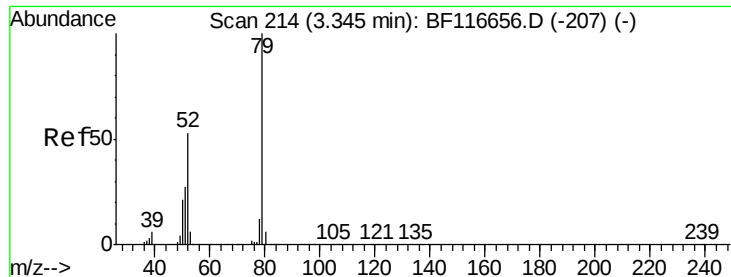
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 20.841 ng

RT: 3.46 min Scan# 233

Delta R.T. 0.14 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Instrument :

BNA_F

ClientSampleId :

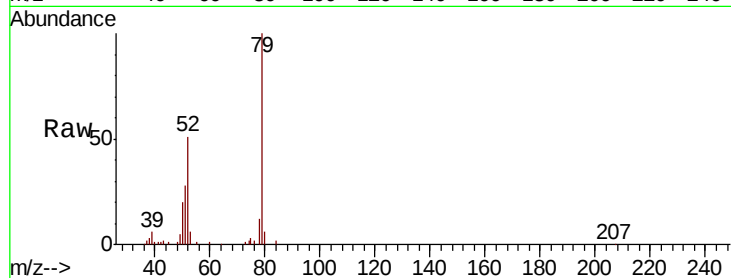
Tot Ion: 79 Resp: 150582

Ion Ratio Lower Upper

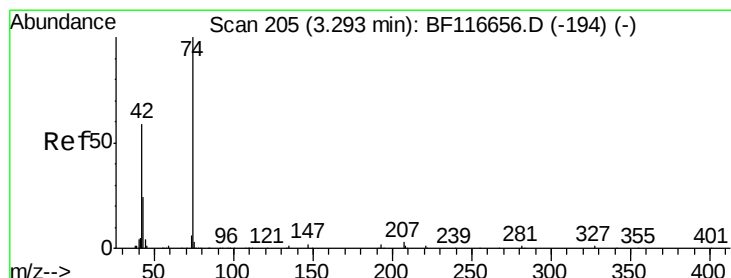
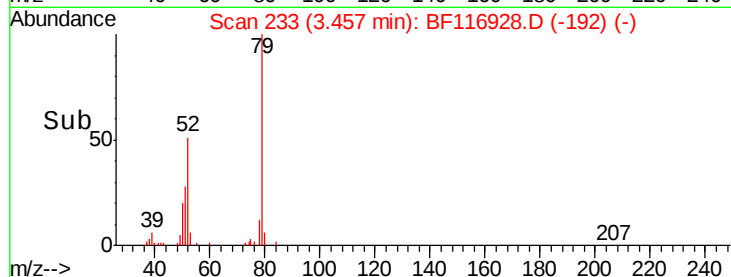
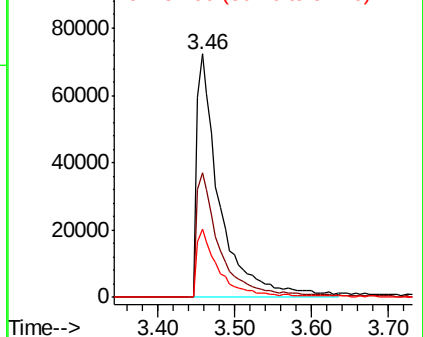
79 100

52 51.4 47.4 71.0

51 28.1 24.1 36.1



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: 38.417 ng

RT: 3.38 min Scan# 219

Delta R.T. 0.11 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

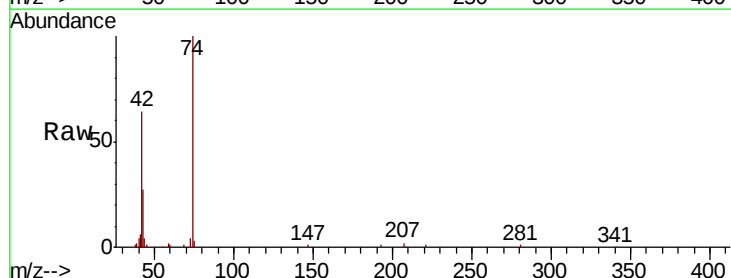
Tgt Ion: 42 Resp: 95315

Ion Ratio Lower Upper

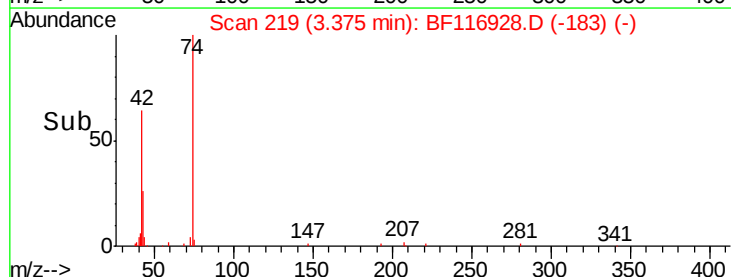
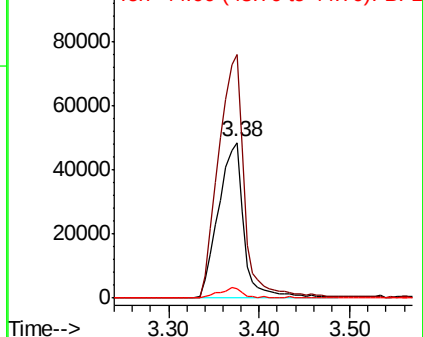
42 100

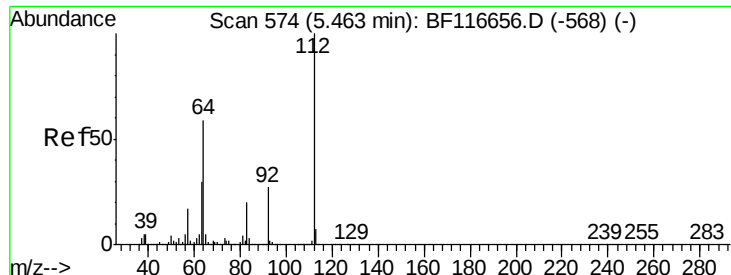
74 156.7 115.6 173.4

44 5.8 4.6 7.0



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





#5

2-Fluorophenol

Concen: 118.228 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.02 min

Lab File: BF116928.D

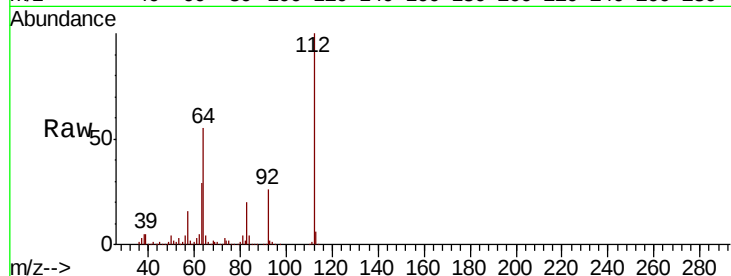
Acq: 10 Sep 2019 18:27

Instrument :

BNA_F

ClientSampleId :

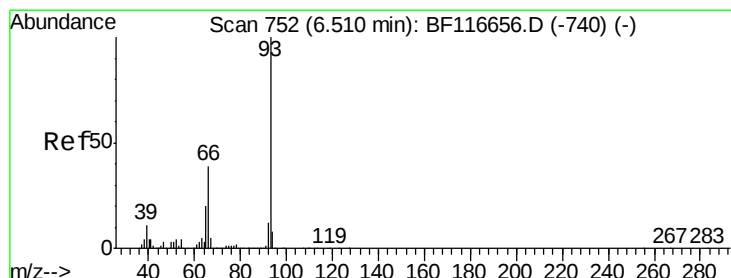
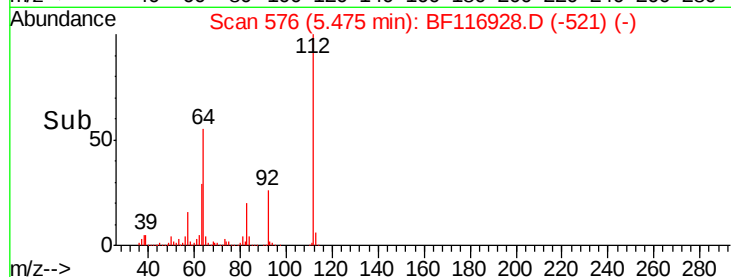
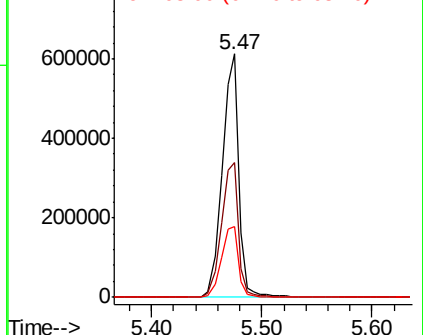
Tot Ion:	112	Resp:	639110
Ion	Ratio	Lower	Upper
112	100		
64	55.4	47.1	70.7
63	29.2	24.9	37.3



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 9.353 ng

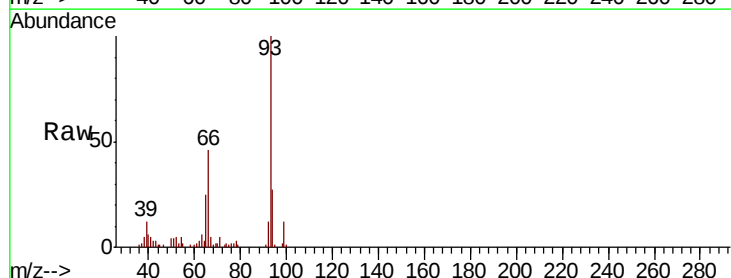
RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

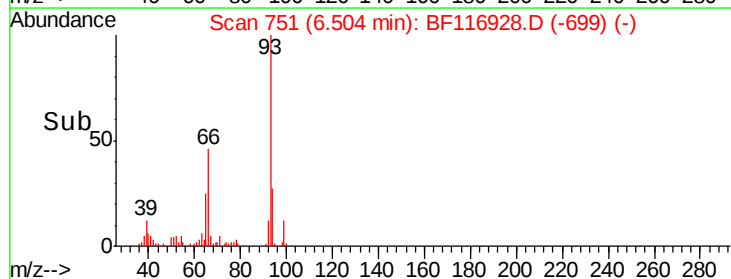
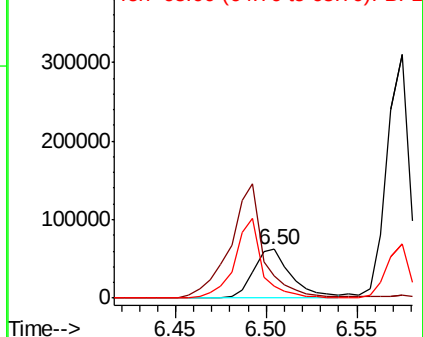
Tgt Ion:	93	Resp:	91956
Ion	Ratio	Lower	Upper
93	100		
66	45.9	32.7	49.1
65	24.7	16.3	24.5#

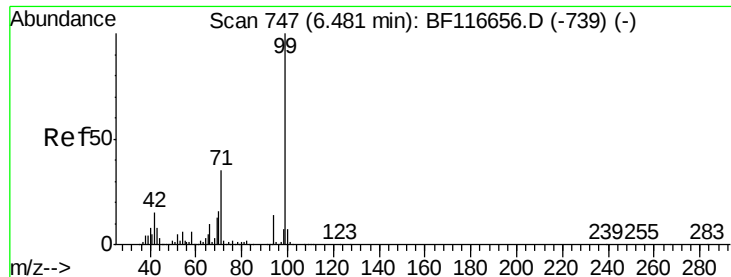


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 112.481 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF116928.D

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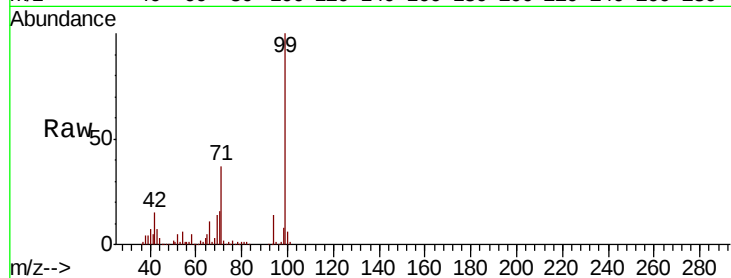
Tot Ion: 99 Resp: 798428

Ion Ratio Lower Upper

99 100

42 14.9 13.7 20.5

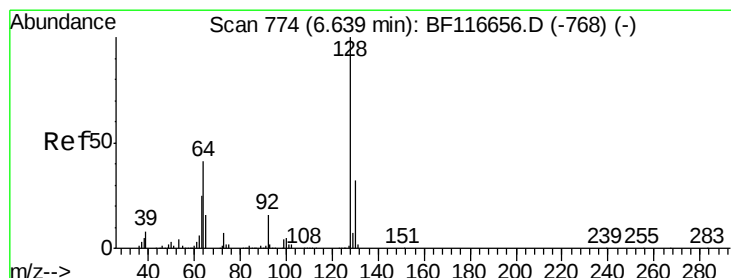
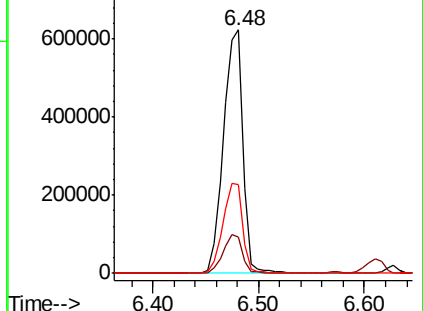
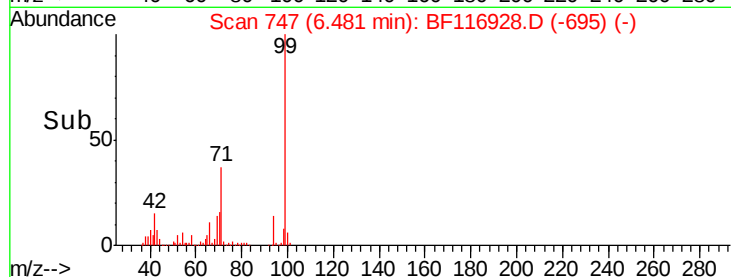
71 36.6 30.8 46.2



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: 45.922 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.01 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

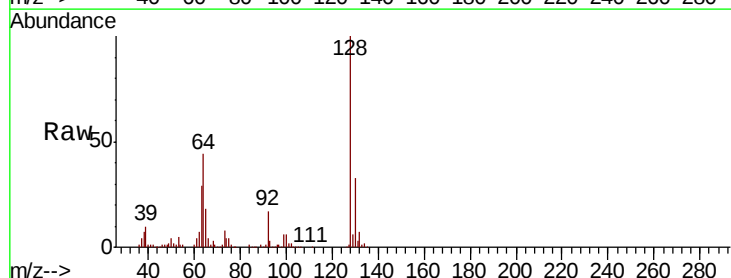
Tgt Ion: 128 Resp: 270989

Ion Ratio Lower Upper

128 100

130 32.9 12.3 52.3

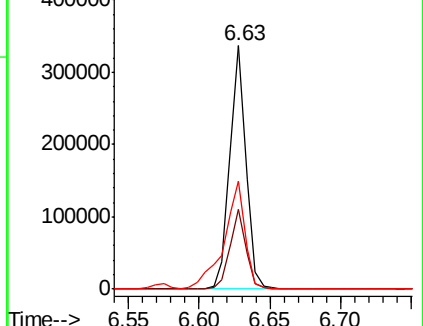
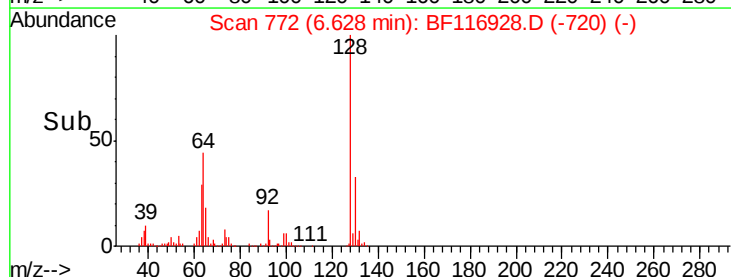
64 44.5 22.5 62.5

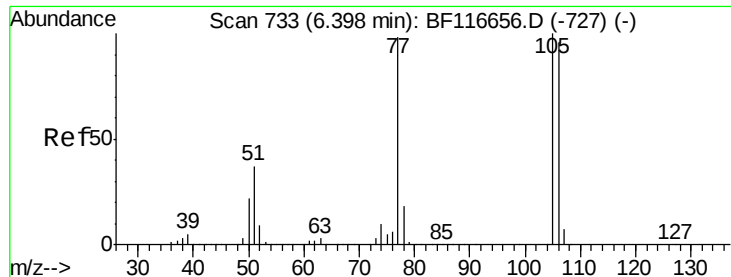


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 8.765 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

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ClientSampleId :

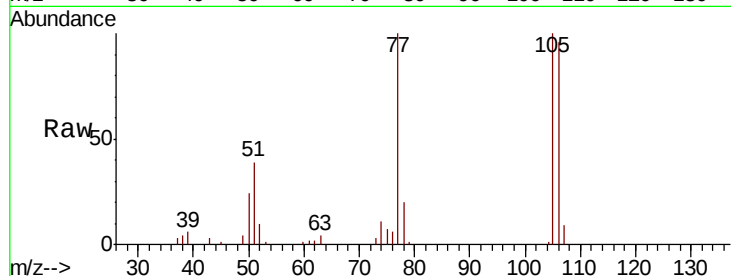
Tot Ion: 77 Resp: 40991

Ion Ratio Lower Upper

77 100

105 99.6 76.7 116.7

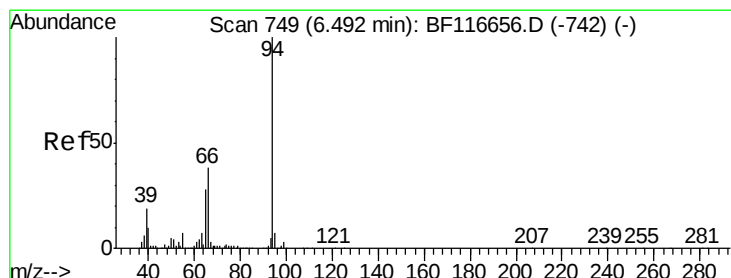
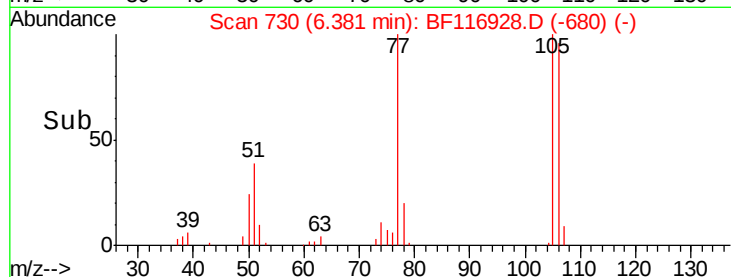
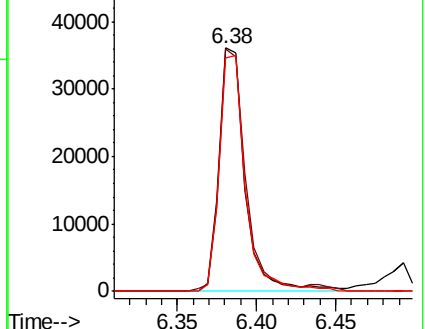
106 95.7 73.1 113.1



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 38.636 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

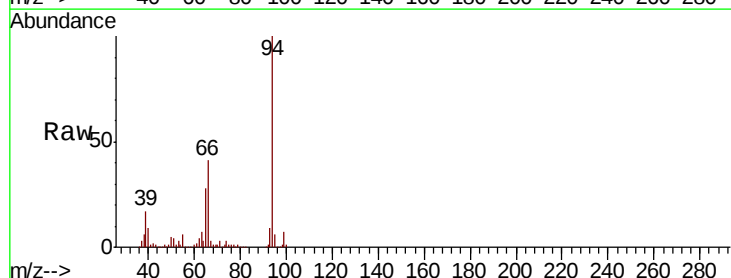
Tgt Ion: 94 Resp: 303688

Ion Ratio Lower Upper

94 100

65 28.4 10.8 50.8

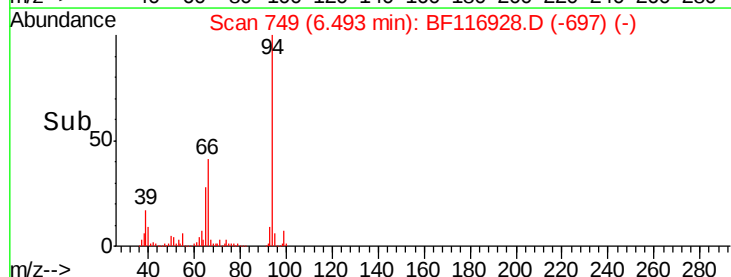
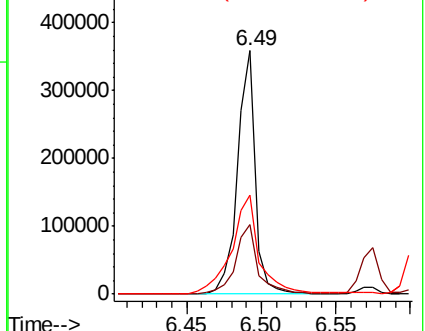
66 40.6 21.1 61.1

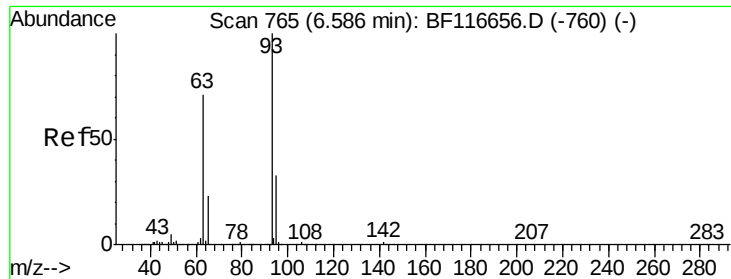


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

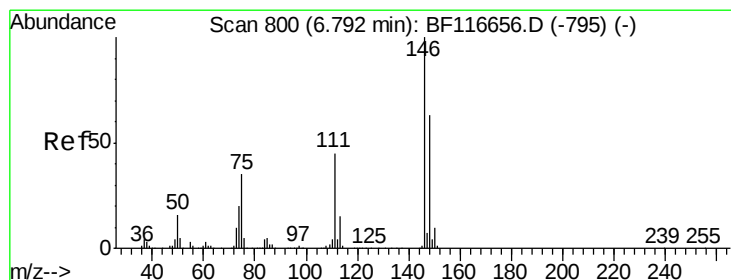
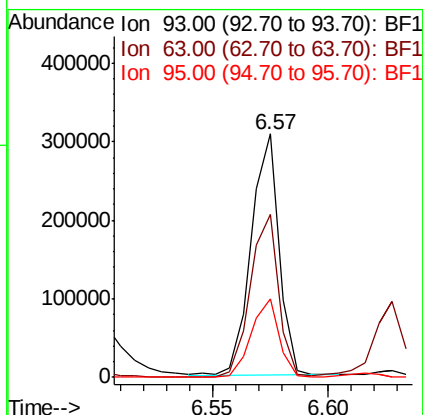
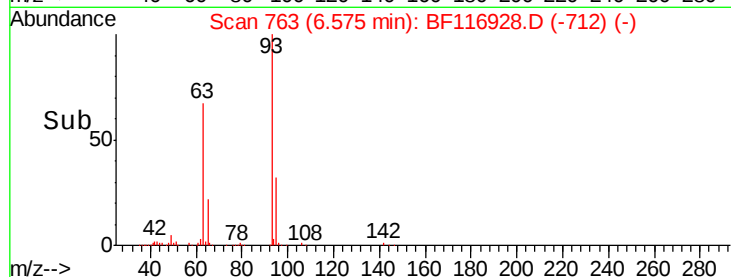
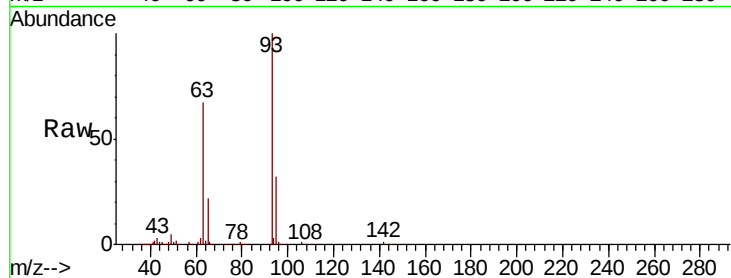




#11
bis(2-Chloroethyl)ether
Concen: 42.781 ng
RT: 6.57 min Scan# 763
Delta R.T. 0.00 min
Lab File: BF116928.D
Acq: 10 Sep 2019 18:27

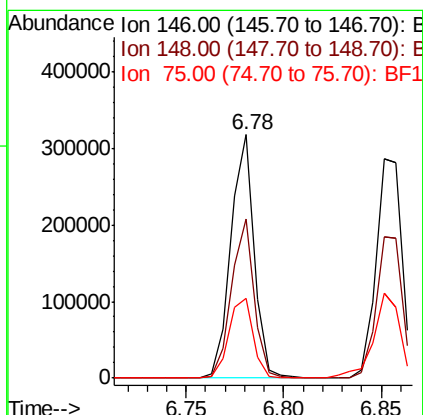
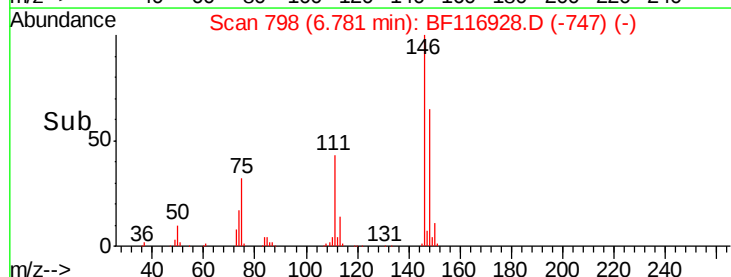
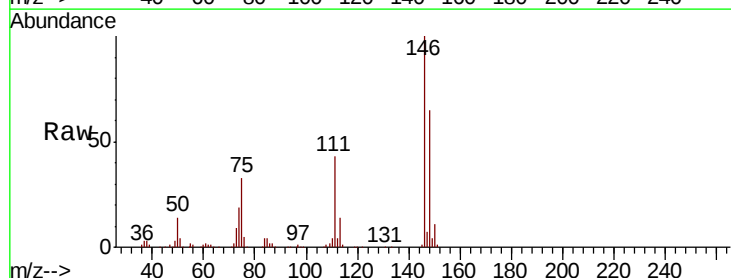
Instrument :
BNA_F
ClientSampleId :

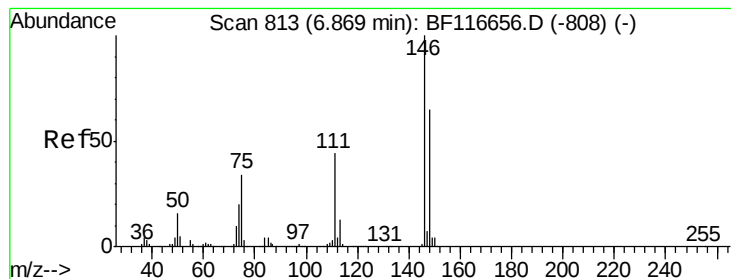
Tot Ion	Ratio	Lower	Upper
93	100		
63	66.8	49.9	89.9
95	32.4	12.7	52.7



#12
1,3-Dichlorobenzene
Concen: 39.610 ng
RT: 6.78 min Scan# 798
Delta R.T. 0.00 min
Lab File: BF116928.D
Acq: 10 Sep 2019 18:27

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.4	77.0
75	32.6	29.6	44.4





#13

1,4-Dichlorobenzene

Concen: 40.542 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Instrument :

BNA_F

ClientSampleId :

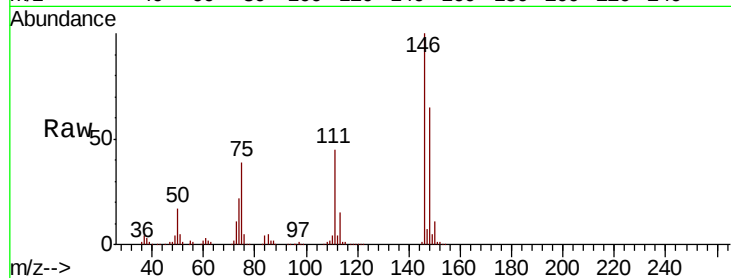
Tot Ion:146 Resp: 269200

Ion Ratio Lower Upper

146 100

148 64.6 51.4 77.2

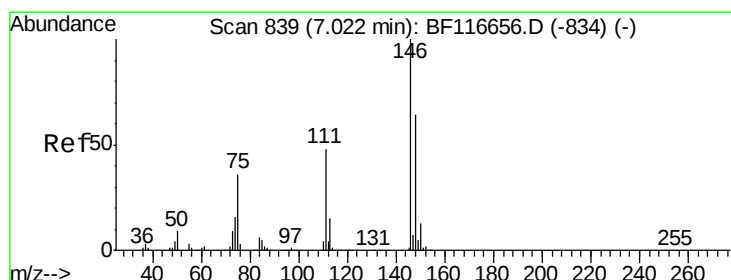
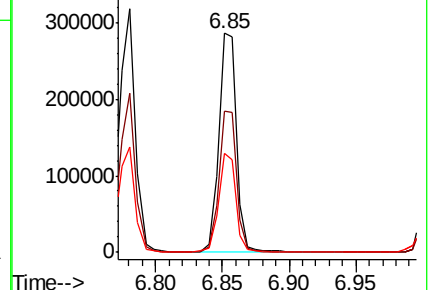
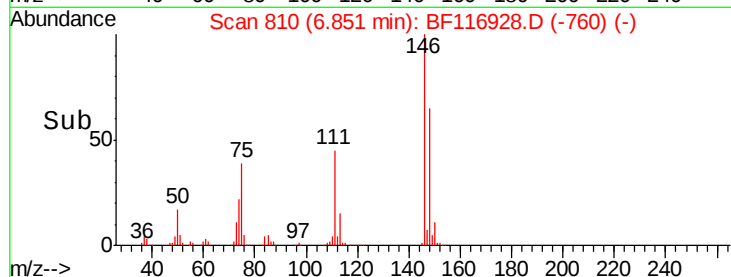
111 45.1 34.8 52.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 41.716 ng

RT: 7.01 min Scan# 837

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

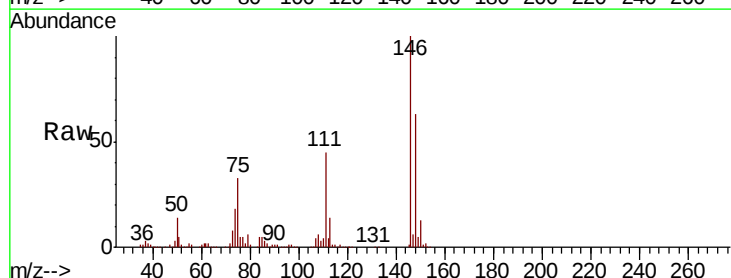
Tgt Ion:146 Resp: 256695

Ion Ratio Lower Upper

146 100

148 63.3 52.6 78.8

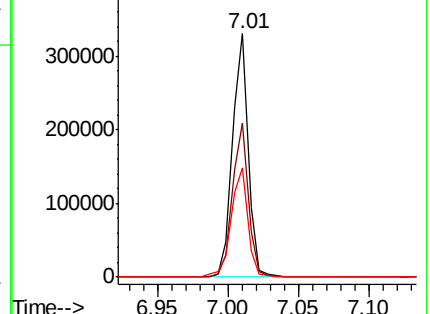
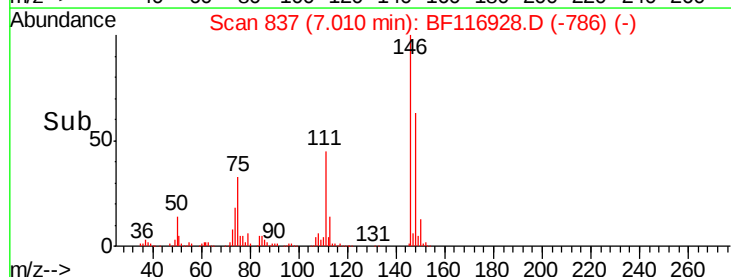
111 44.9 34.2 51.4

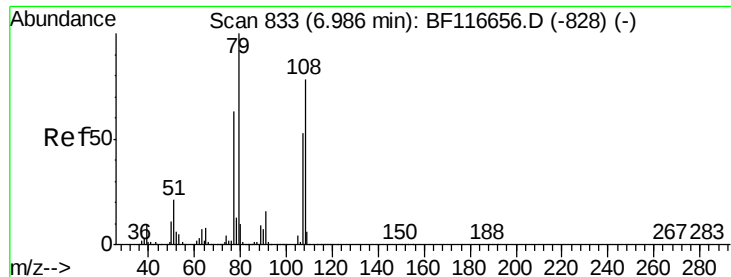


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 44.111 ng

RT: 6.98 min Scan# 832

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Instrument :

BNA_F

ClientSampleId :

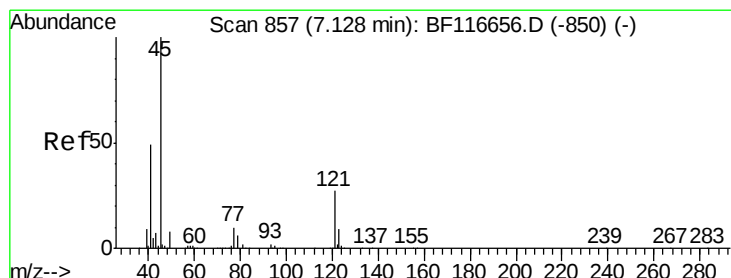
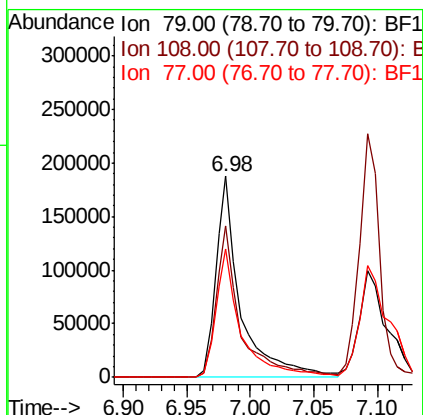
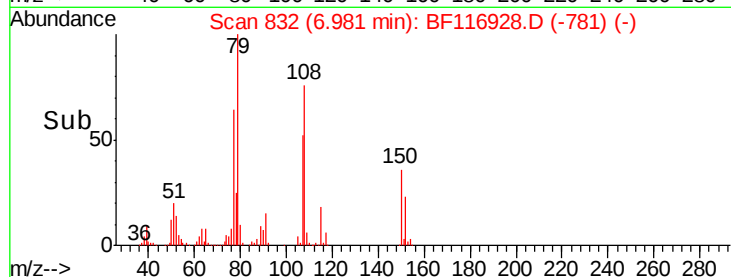
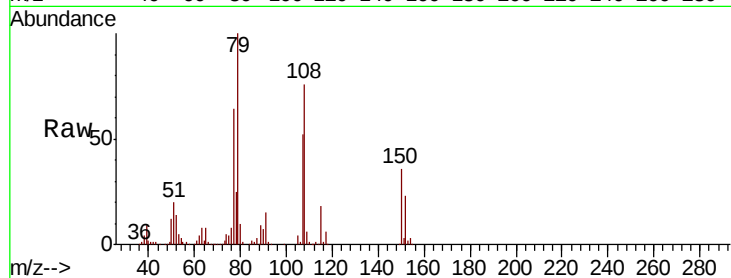
Tot Ion: 79 Resp: 254164

Ion Ratio Lower Upper

79 100

108 75.7 59.2 88.8

77 63.7 53.0 79.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 34.590 ng

RT: 7.11 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

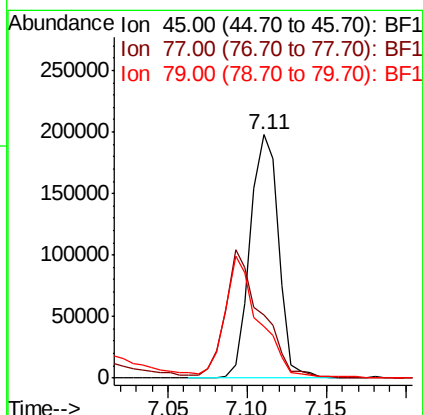
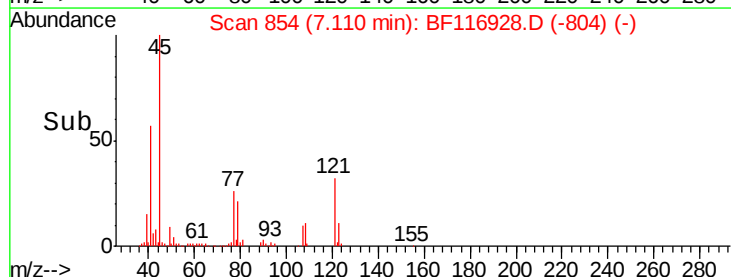
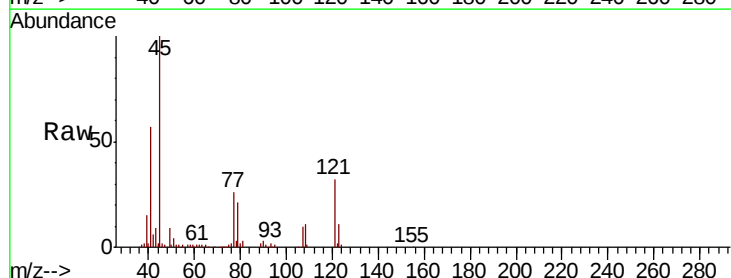
Tgt Ion: 45 Resp: 248378

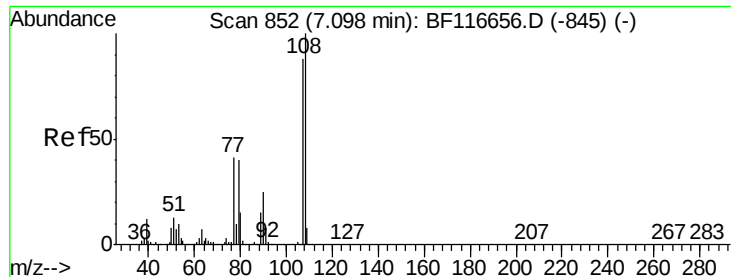
Ion Ratio Lower Upper

45 100

77 26.1 0.0 38.2

79 20.9 0.0 33.9





#17

2-Methylphenol

Concen: 43.001 ng

RT: 7.09 min Scan# 851

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 222137

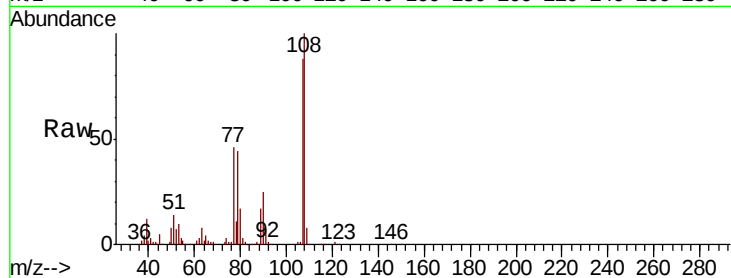
Ion Ratio Lower Upper

107 100

108 113.4 88.3 132.5

77 52.0 39.9 59.9

79 49.6 39.8 59.8

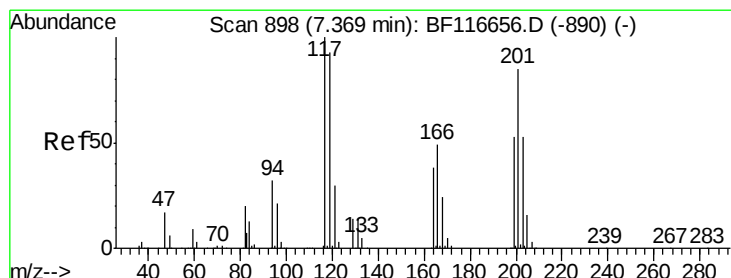
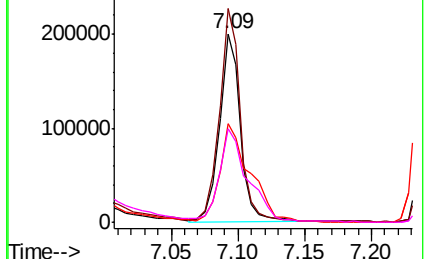
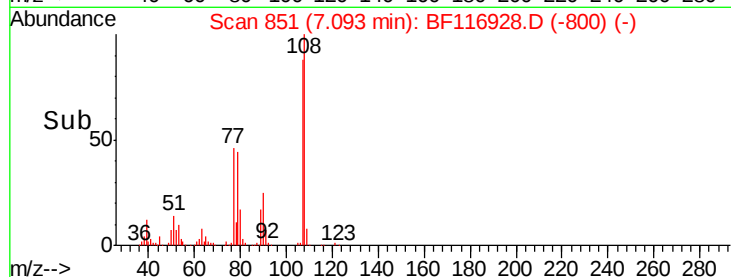


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 40.049 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

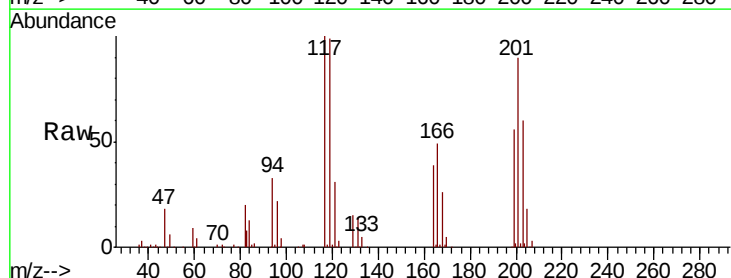
Tgt Ion:117 Resp: 103316

Ion Ratio Lower Upper

117 100

119 98.8 76.9 115.3

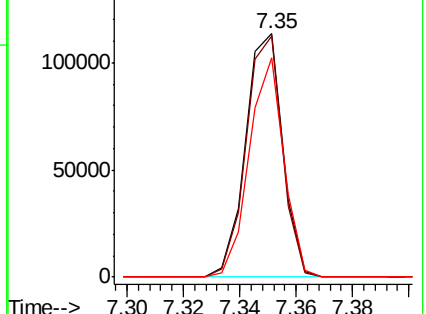
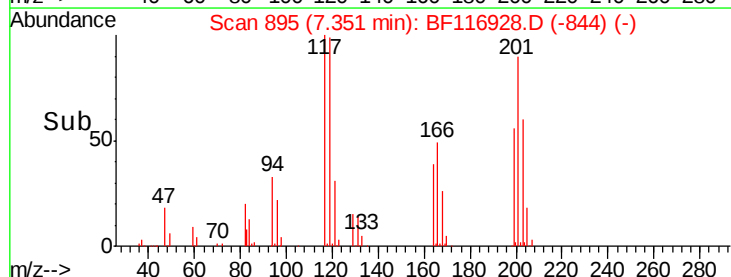
201 89.9 79.4 119.0

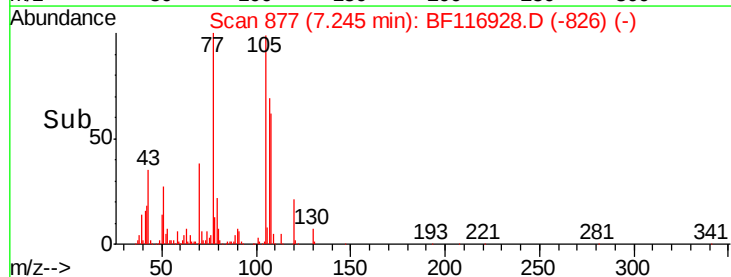
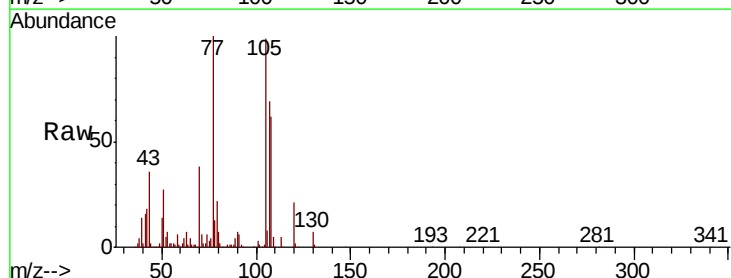
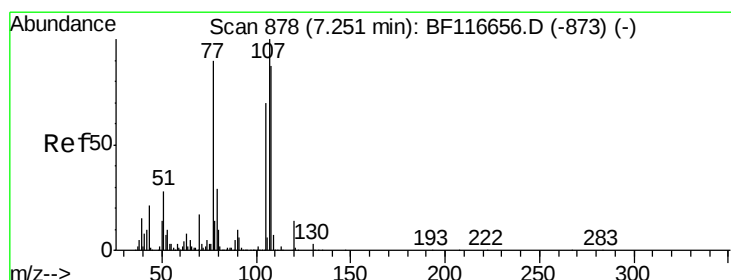
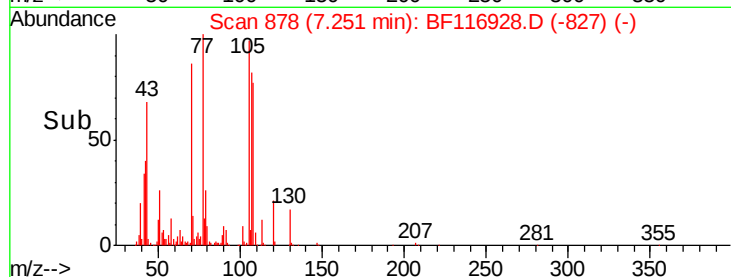
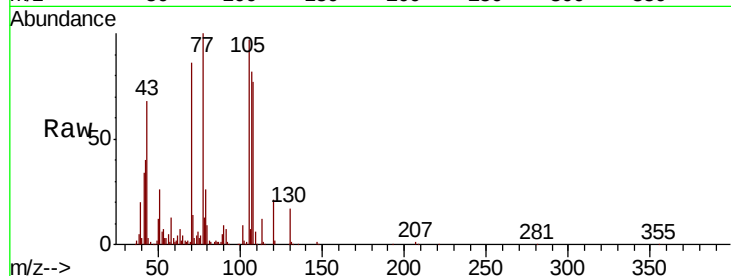
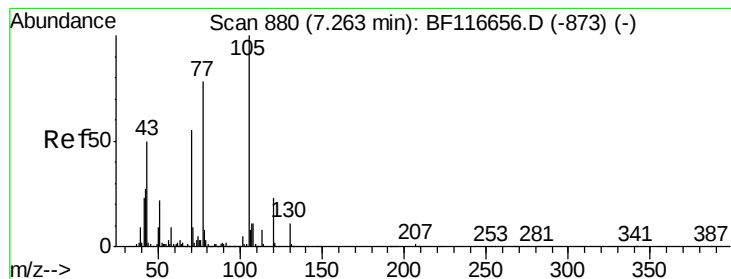


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 43.416 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 202915

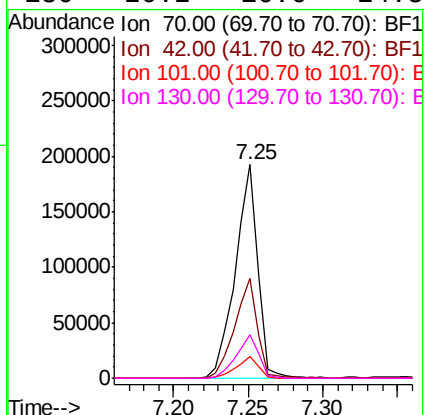
Ion Ratio Lower Upper

70 100

42 46.7 43.5 65.3

101 10.3 7.8 11.6

130 20.2 16.6 24.8



#20

3+4-Methylphenols

Concen: 46.090 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Tgt Ion:107 Resp: 276837

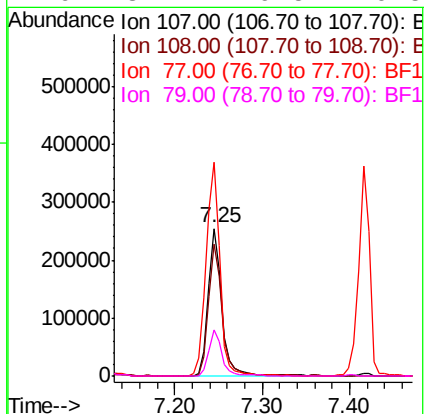
Ion Ratio Lower Upper

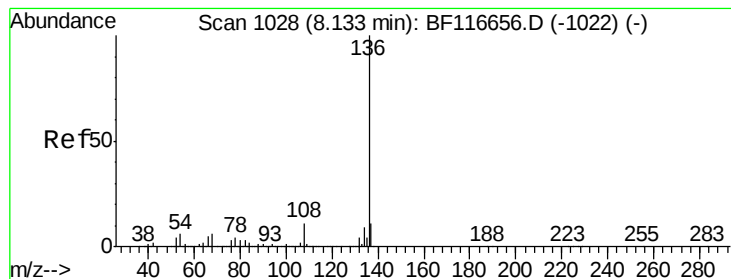
107 100

108 89.3 65.5 105.5

77 144.4 69.4 109.4#

79 31.2 9.5 49.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 341229

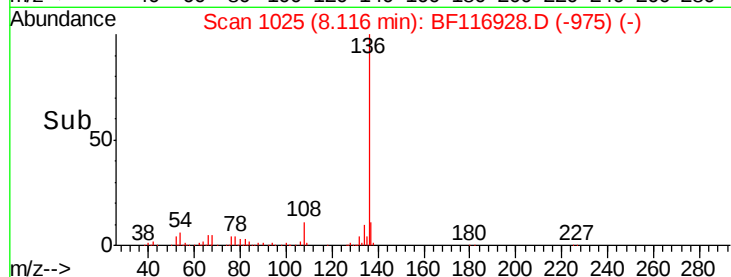
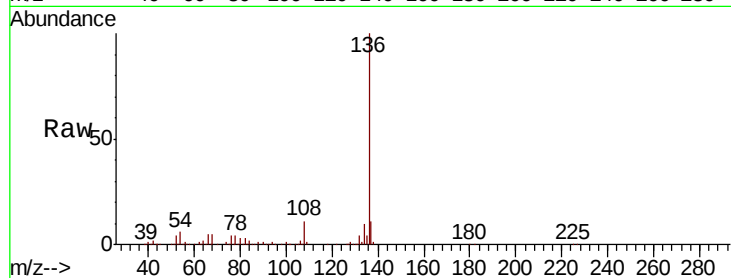
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 5.5 4.8 7.2

68 4.9 4.0 6.0



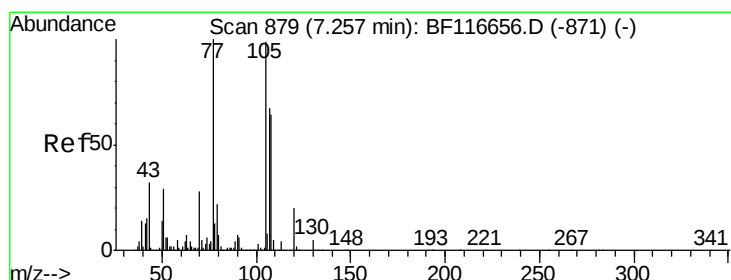
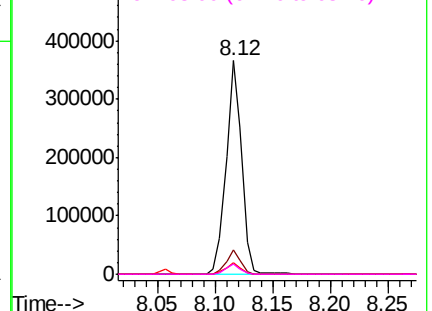
Abundance

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: 49.466 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Tgt Ion:105 Resp: 406368

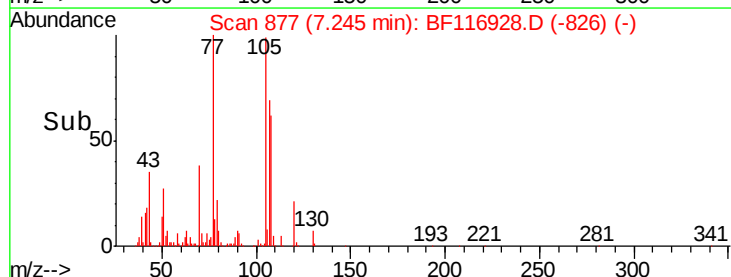
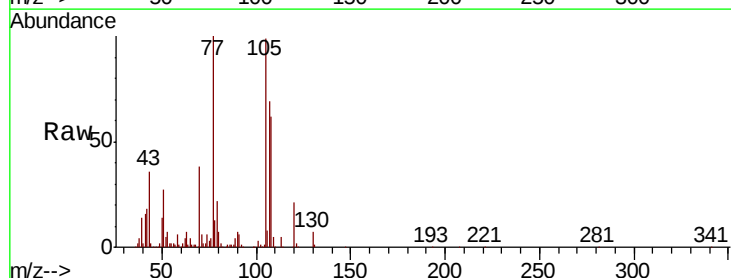
Ion Ratio Lower Upper

105 100

71 6.0 4.2 6.4

51 27.6 25.8 38.8

120 21.0 16.4 24.6



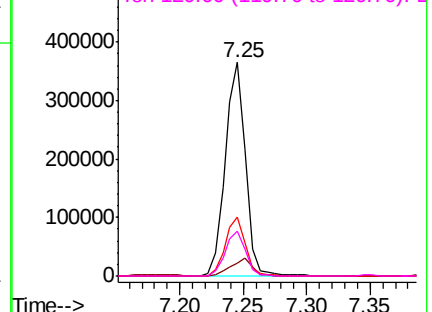
Abundance

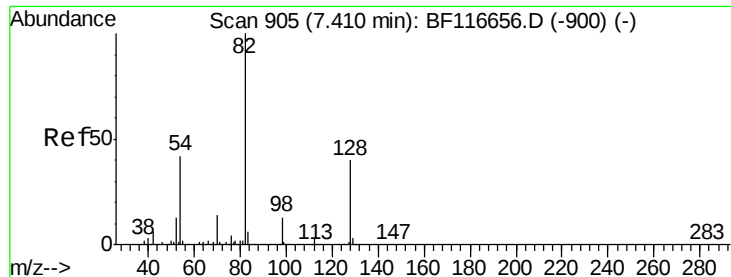
Ion 105.00 (104.70 to 105.70): E

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

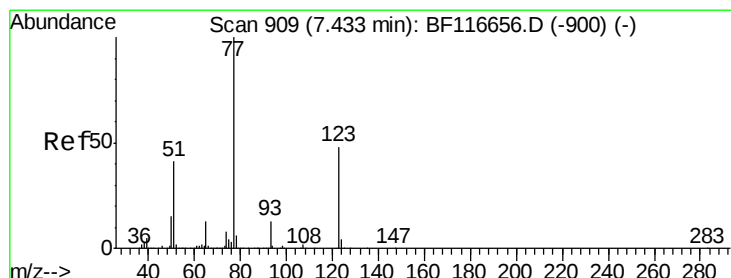
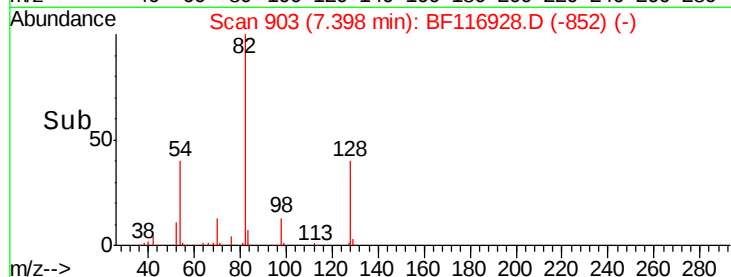
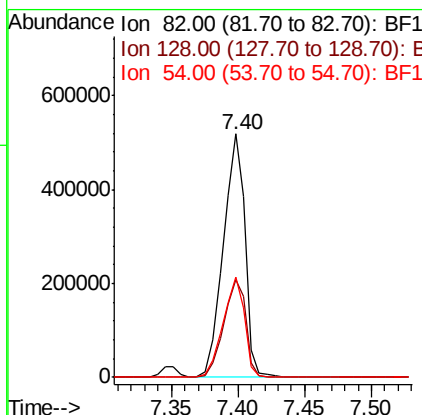
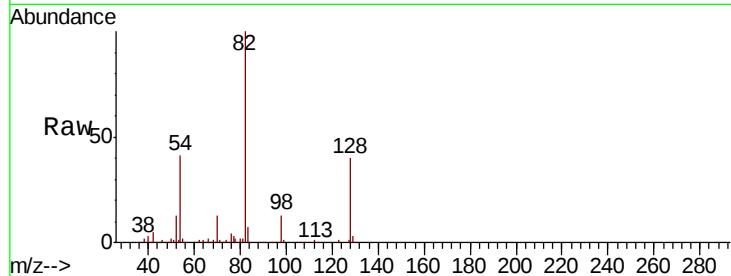




#23
 Nitrobenzene-d5
 Concen: 99.506 ng
 RT: 7.40 min Scan# 903
 Delta R.T. 0.00 min
 Lab File: BF116928.D
 Acq: 10 Sep 2019 18:27

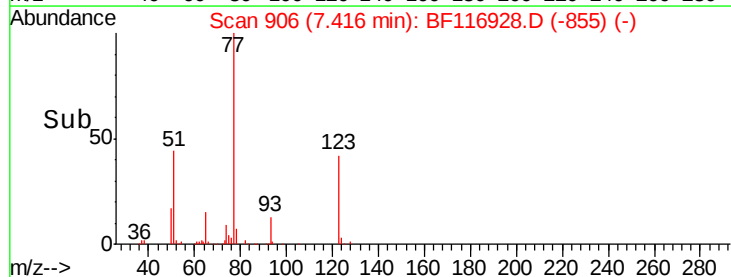
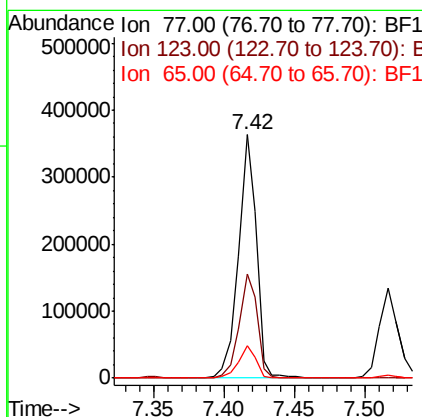
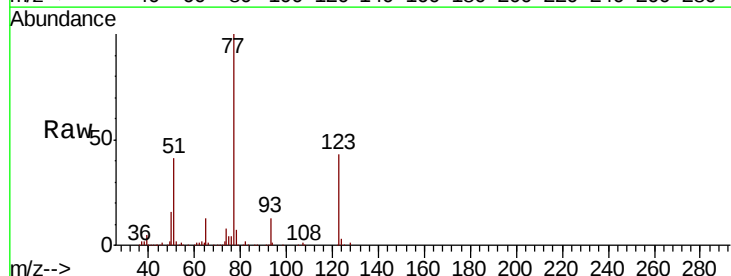
Instrument :
 BNA_F
 ClientSampleId :

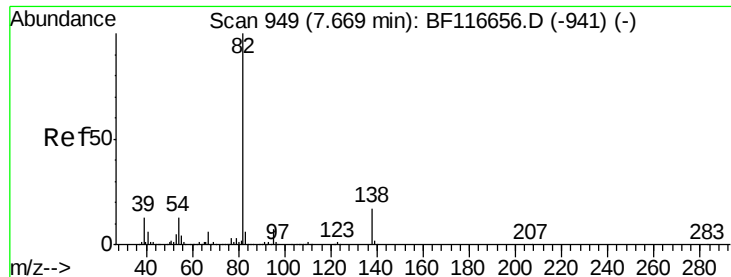
Tot Ion	82	Resp	594777
Ion Ratio	Lower	Upper	
82	100		
128	40.3	32.8	49.2
54	41.3	36.9	55.3



#24
 Nitrobenzene
 Concen: 52.529 ng
 RT: 7.42 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: BF116928.D
 Acq: 10 Sep 2019 18:27

Tgt Ion	77	Resp	319333
Ion Ratio	Lower	Upper	
77	100		
123	42.6	33.1	49.7
65	13.5	10.6	15.8





#25

Isophorone

Concen: 46.187 ng

RT: 7.66 min Scan# 947

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Instrument :

BNA_F

ClientSampleId :

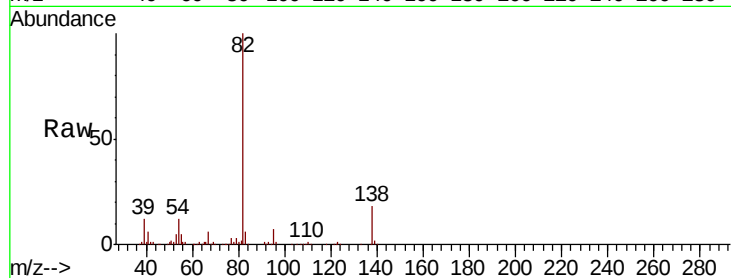
Tot Ion: 82 Resp: 559420

Ion Ratio Lower Upper

82 100

95 7.5 5.8 8.6

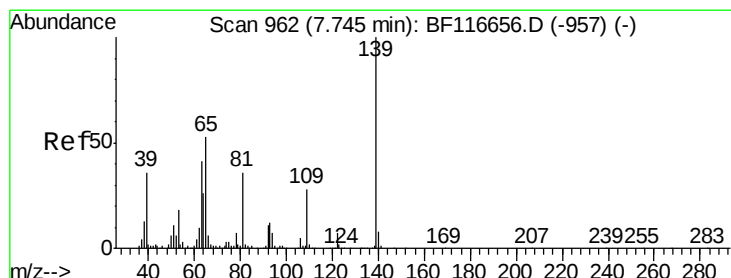
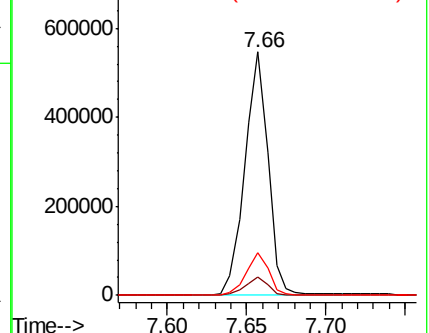
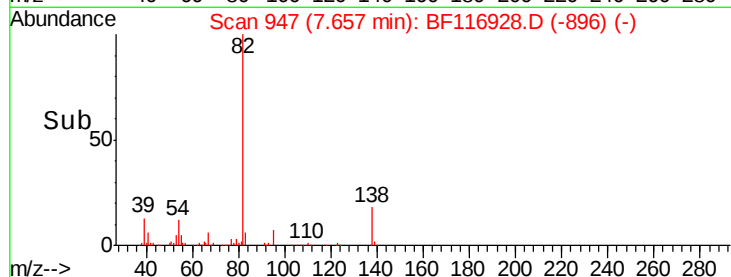
138 17.7 13.5 20.3



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 64.079 ng

RT: 7.73 min Scan# 960

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

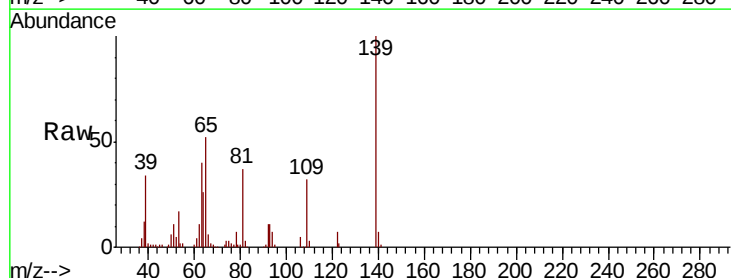
Tgt Ion: 139 Resp: 144827

Ion Ratio Lower Upper

139 100

109 31.8 27.1 40.7

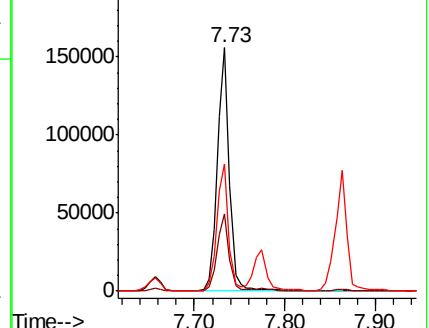
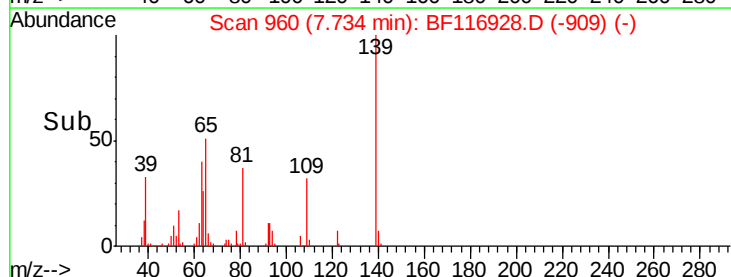
65 52.0 43.0 64.6

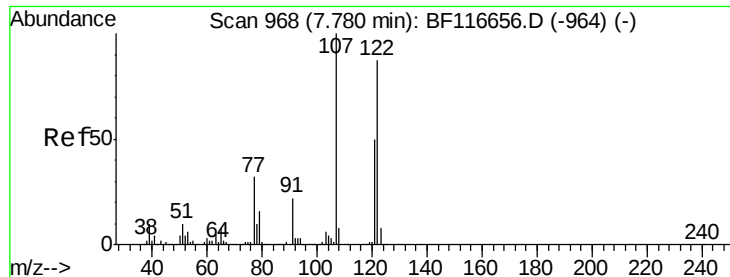


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 52.690 ng

RT: 7.77 min Scan# 967

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Instrument :

BNA_F

ClientSampleId :

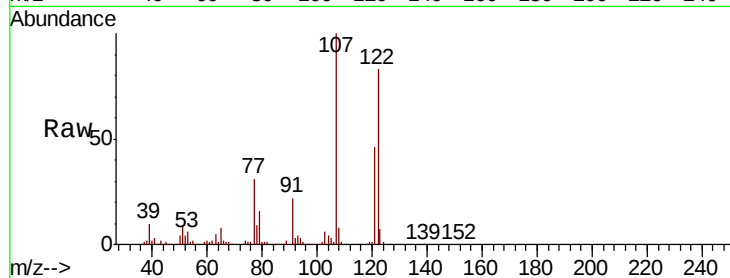
Tot Ion:122 Resp: 240507

Ion Ratio Lower Upper

122 100

107 121.0 98.1 147.1

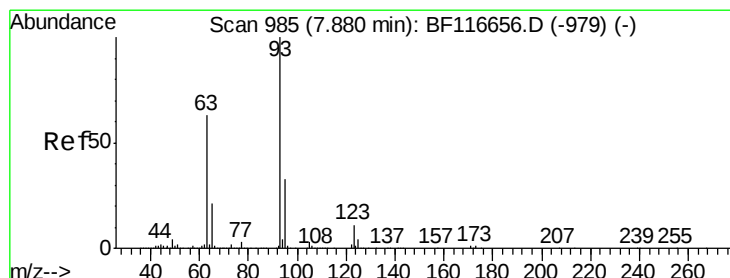
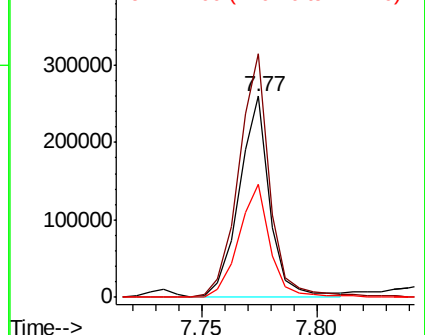
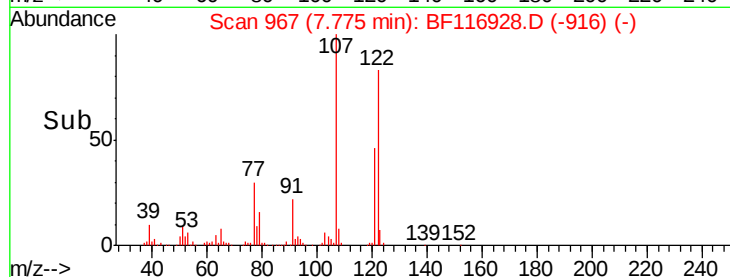
121 55.9 47.3 70.9



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: 45.007 ng

RT: 7.86 min Scan# 982

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

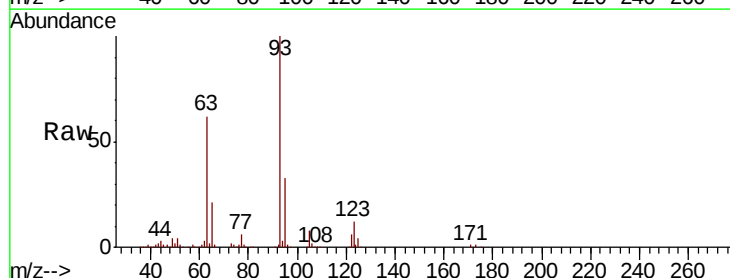
Tgt Ion: 93 Resp: 333124

Ion Ratio Lower Upper

93 100

95 32.5 26.4 39.6

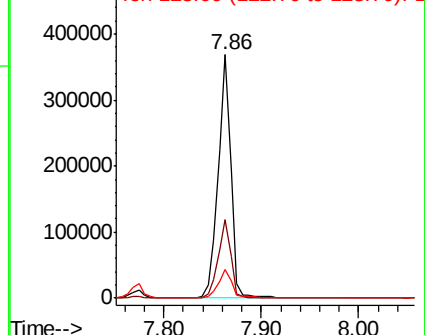
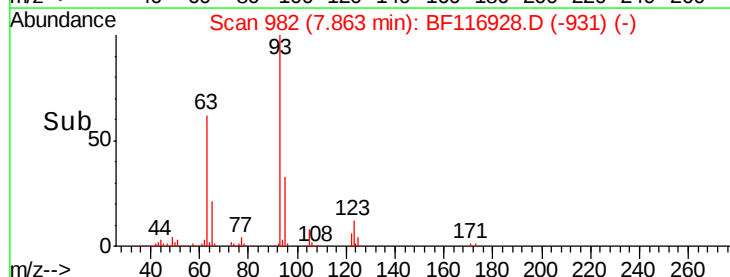
123 11.8 9.8 14.8

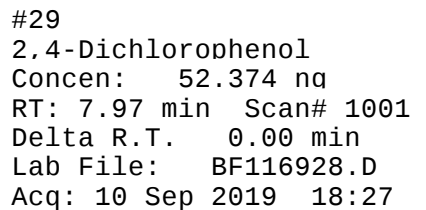


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

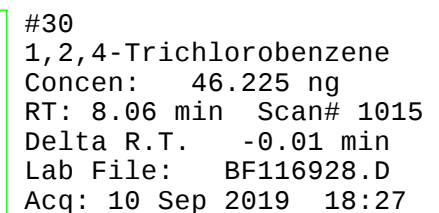
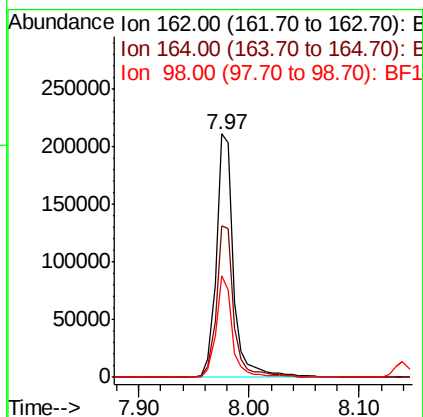
Ion 123.00 (122.70 to 123.70): E



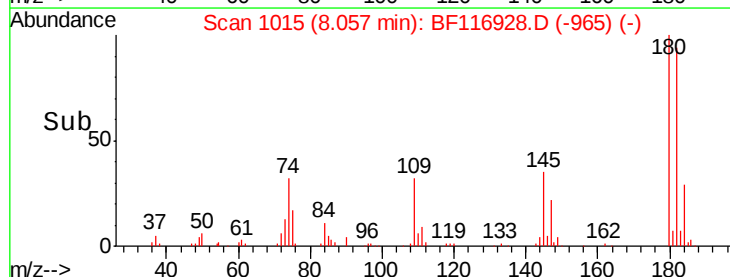
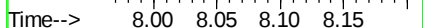
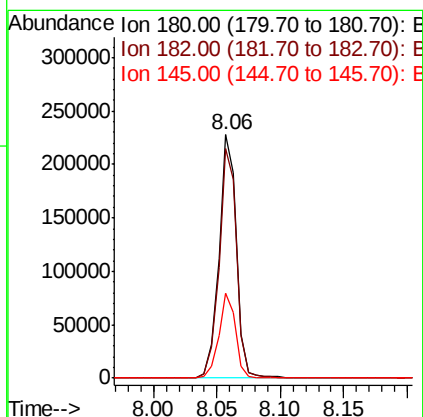


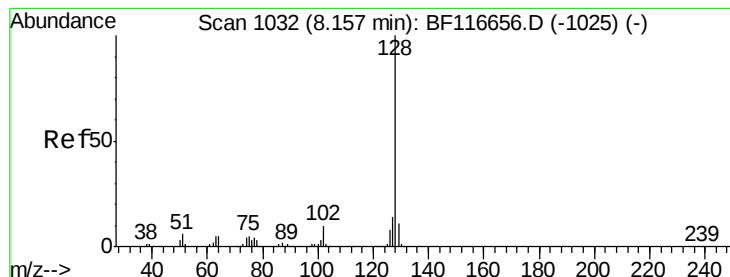
Instrument :
BNA_F
ClientSampleId :

Tot	Ion:162	Resp:	229746
Ion	Ratio	Lower	Upper
162	100		
164	62.1	43.4	83.4
98	41.6	18.1	58.1



Tgt	Ion:180	Resp:	219934
Ion	Ratio	Lower	Upper
180	100		
182	94.1	78.6	118.0
145	35.1	25.7	38.5





#31

Naphthalene

Concen: 48.821 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Instrument :

BNA_F

ClientSampleId :

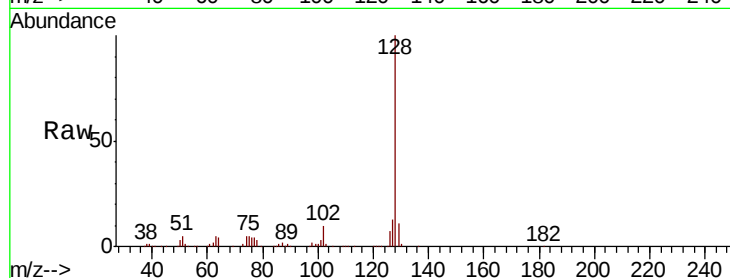
Tot Ion:128 Resp: 792154

Ion Ratio Lower Upper

128 100

129 11.3 8.6 13.0

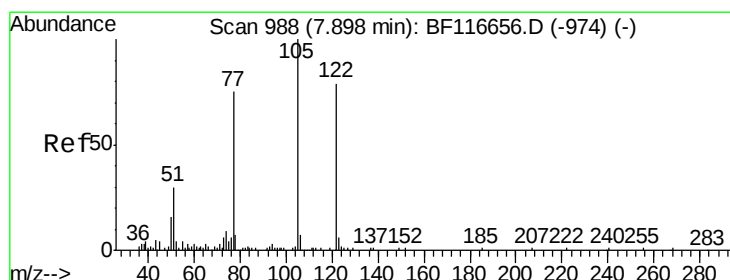
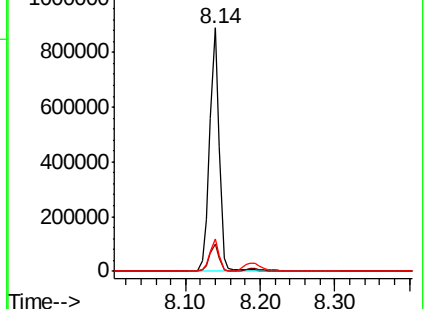
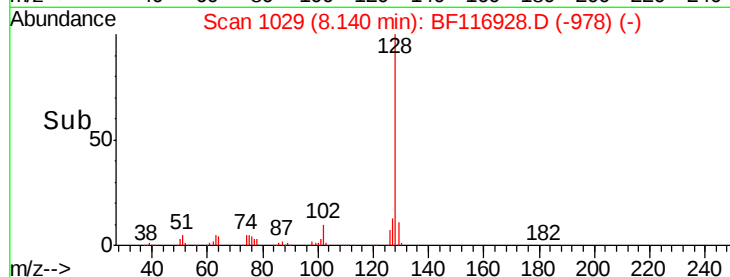
127 13.4 10.4 15.6



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: 37.679 ng

RT: 7.89 min Scan# 986

Delta R.T. -0.01 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

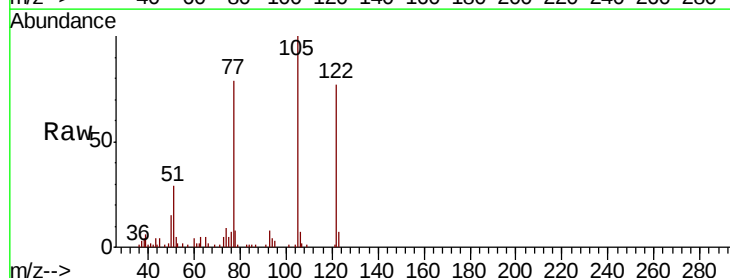
Tgt Ion:122 Resp: 97112

Ion Ratio Lower Upper

122 100

105 129.6 110.0 150.0

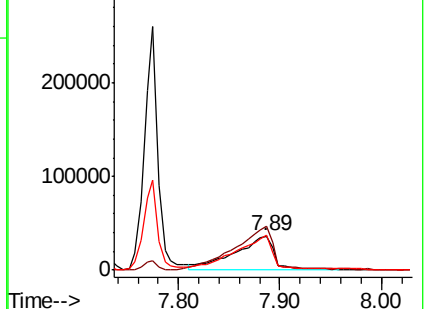
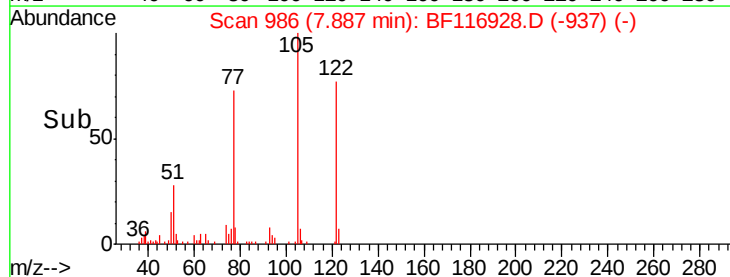
77 102.1 81.7 121.7

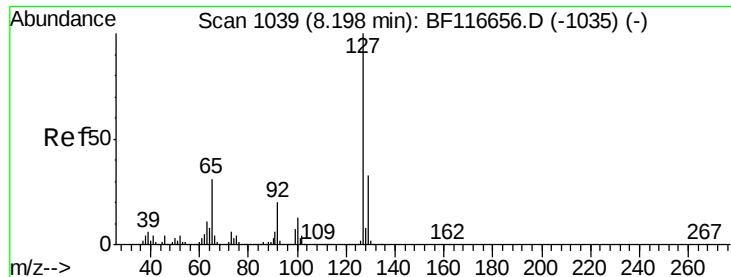


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

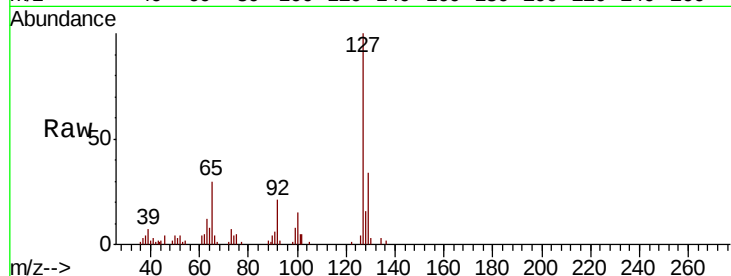




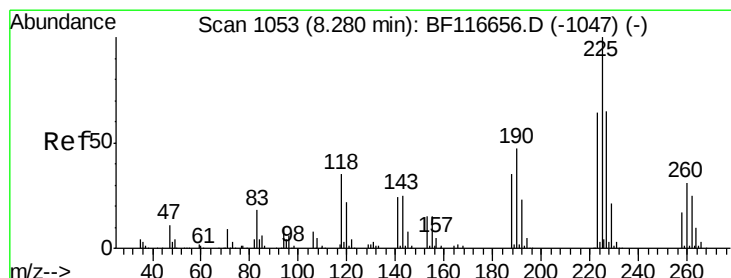
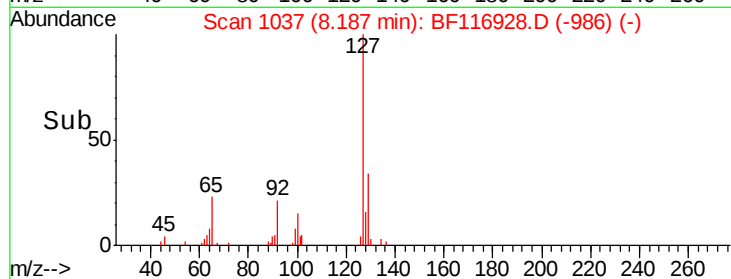
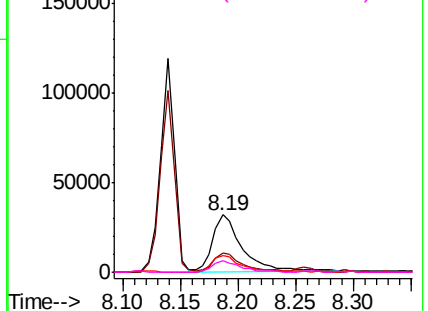
#33
4-Chloroaniline
Concen: 7.582 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BF116928.D
Acq: 10 Sep 2019 18:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:127	Resp:	56000
Ion Ratio	Lower	Upper
127	100	
129	33.6	26.2 39.2
65	29.8	26.0 39.0
92	20.7	16.1 24.1

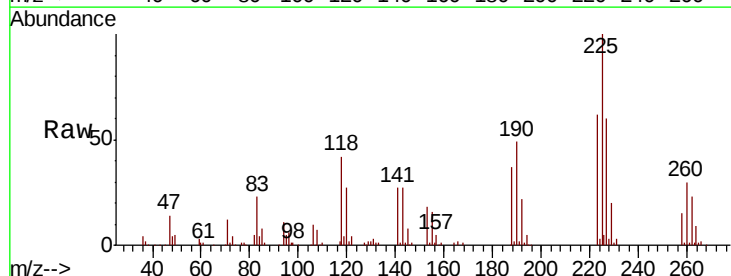


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

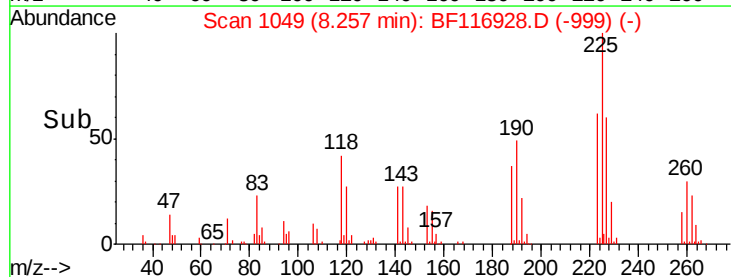
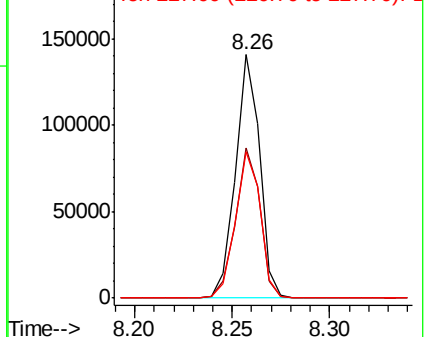


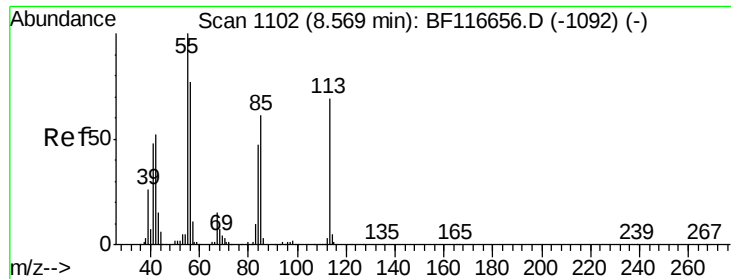
#34
Hexachlorobutadiene
Concen: 46.654 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF116928.D
Acq: 10 Sep 2019 18:27

Tgt Ion:225	Resp:	121031
Ion Ratio	Lower	Upper
225	100	
223	61.5	49.4 74.2
227	60.3	51.0 76.4



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: 32.895 ng/ml

RT: 8.56 min Scan# 1100

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Instrument :

BNA_F

ClientSampled :

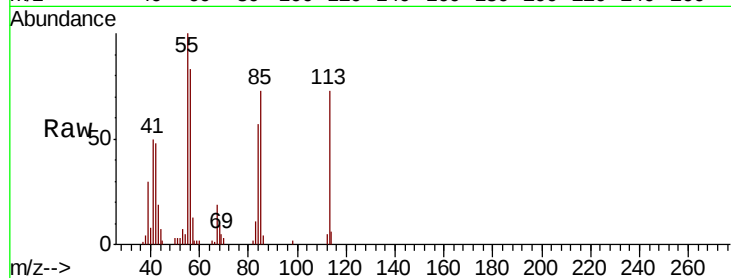
Tot Ion:113 Resp: 54003

Ion Ratio Lower Upper

113 100

55 137.0 124.3 164.3

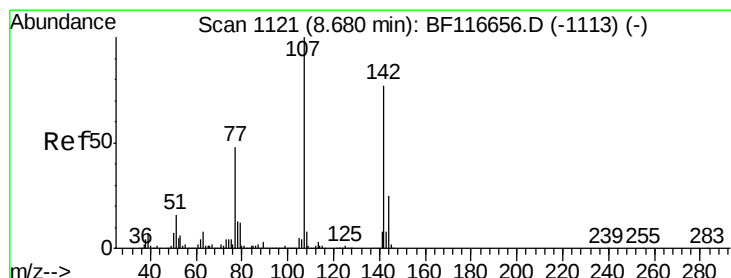
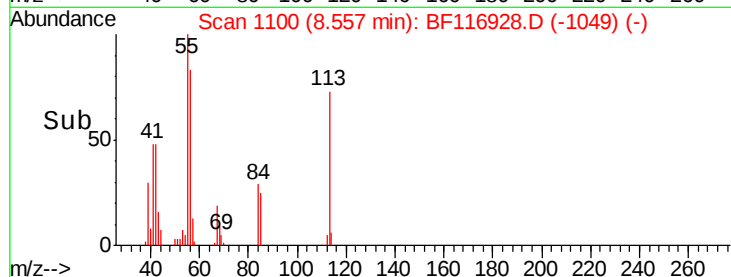
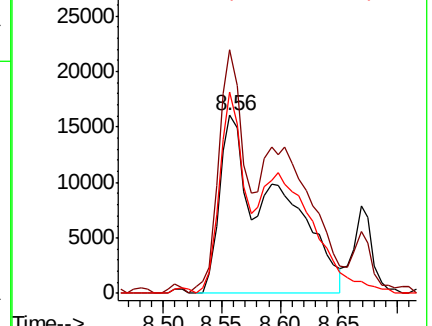
56 113.5 94.6 134.6



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: 53.590 ng/ml

RT: 8.67 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

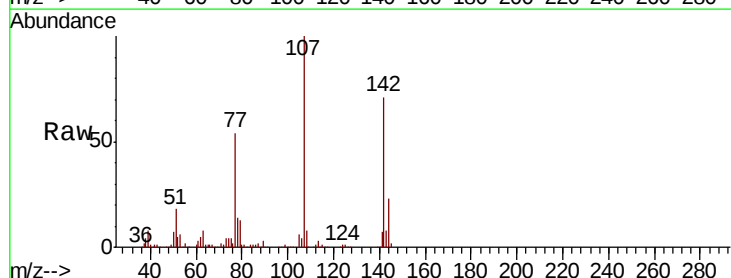
Tgt Ion:107 Resp: 270187

Ion Ratio Lower Upper

107 100

144 22.9 18.6 27.8

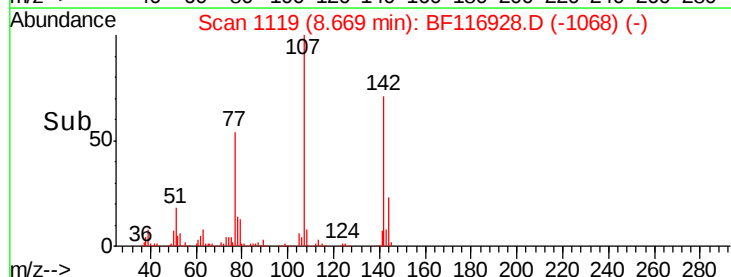
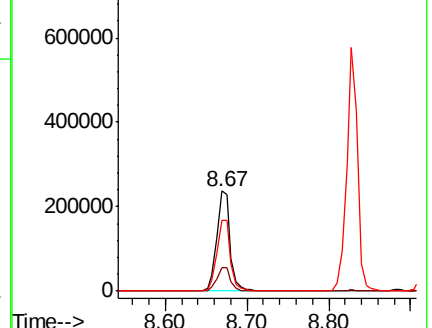
142 70.7 58.5 87.7

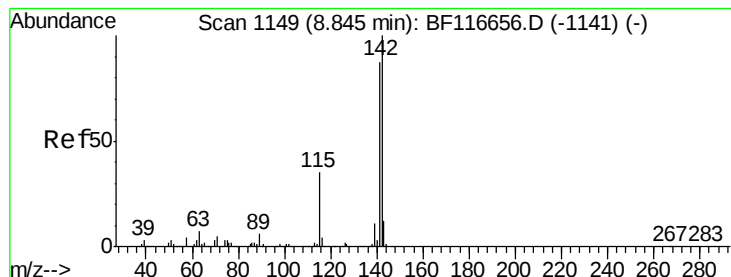


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 49.695 ng

RT: 8.83 min Scan# 1146

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Instrument :

BNA_F

ClientSampleId :

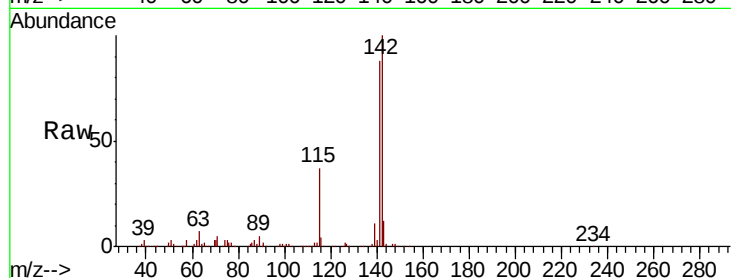
Tot Ion:142 Resp: 536503

Ion Ratio Lower Upper

142 100

141 87.8 72.6 109.0

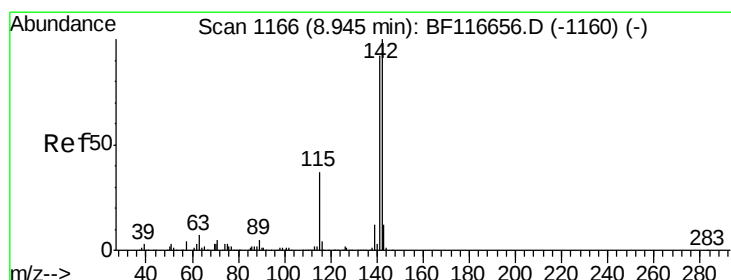
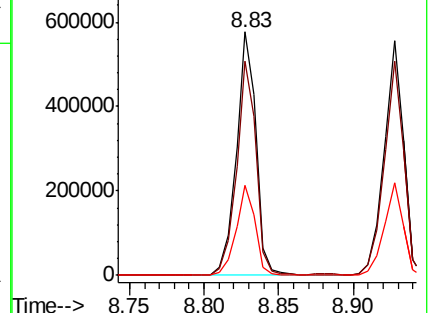
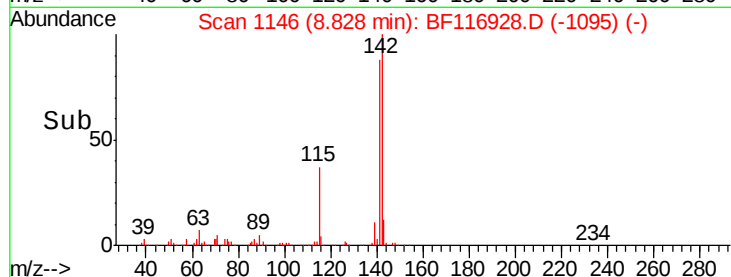
115 37.0 29.8 44.6



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: 48.517 ng

RT: 8.93 min Scan# 1163

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

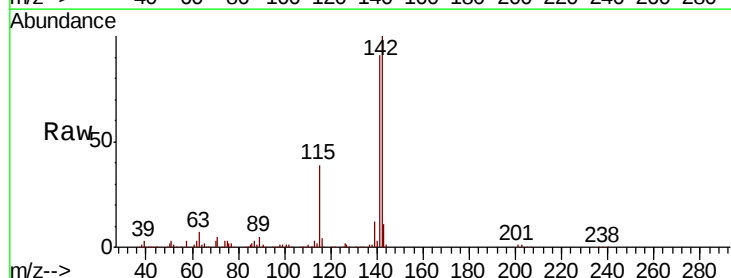
Tgt Ion:142 Resp: 494446

Ion Ratio Lower Upper

142 100

141 91.5 73.9 110.9

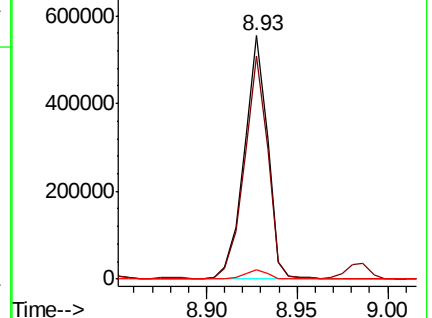
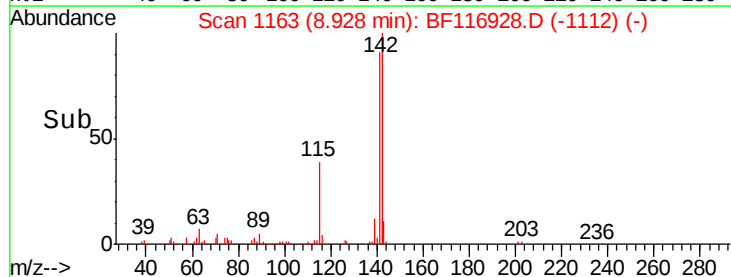
116 4.0 3.0 4.6

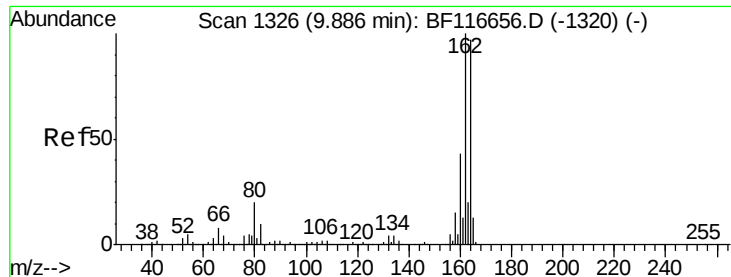


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

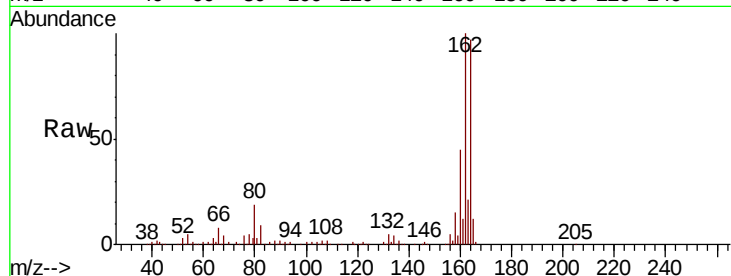




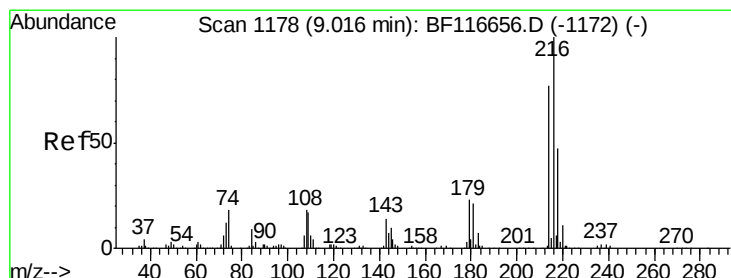
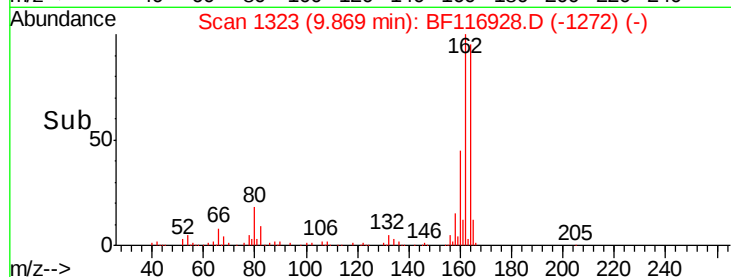
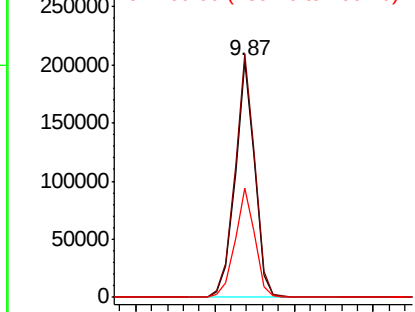
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BF116928.D
Acq: 10 Sep 2019 18:27

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.2	81.4	122.0
160	46.2	35.4	53.2

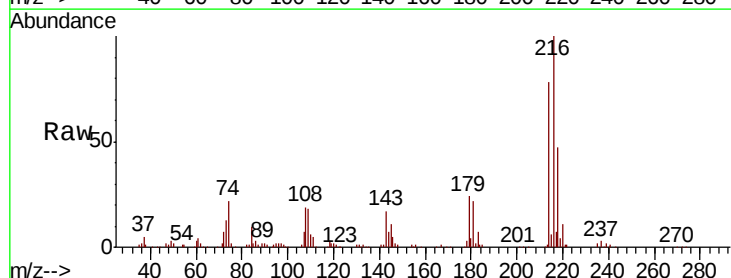


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

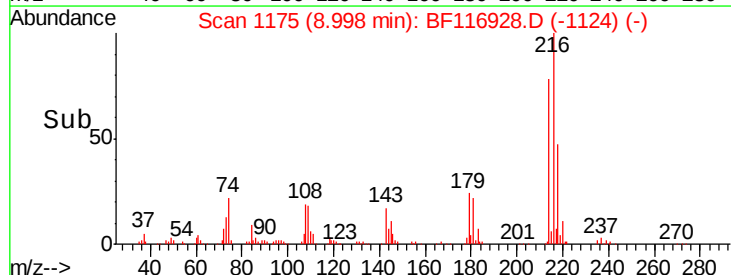
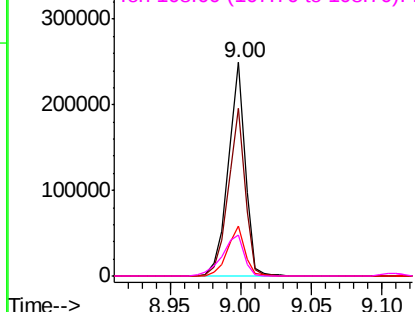


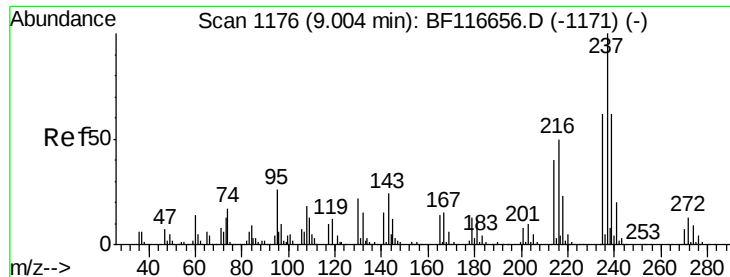
#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.183 ng
RT: 9.00 min Scan# 1175
Delta R.T. 0.00 min
Lab File: BF116928.D
Acq: 10 Sep 2019 18:27

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.7	94.1
179	23.8	19.3	28.9
108	24.6	16.6	25.0



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: 89.453 ng

RT: 8.99 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Instrument :

BNA_F

ClientSampleId :

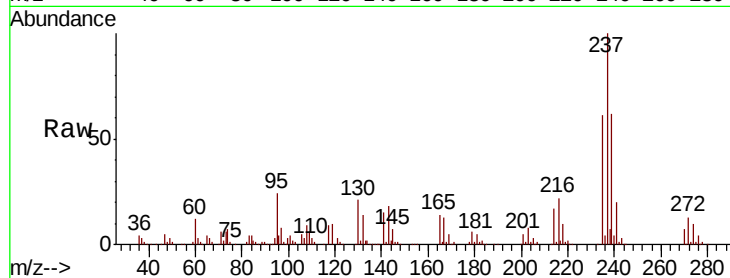
Tot Ion:237 Resp: 214924

Ion Ratio Lower Upper

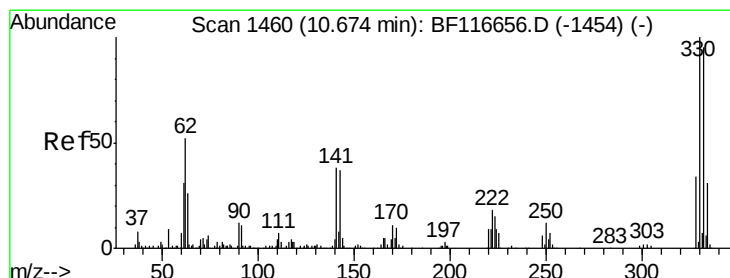
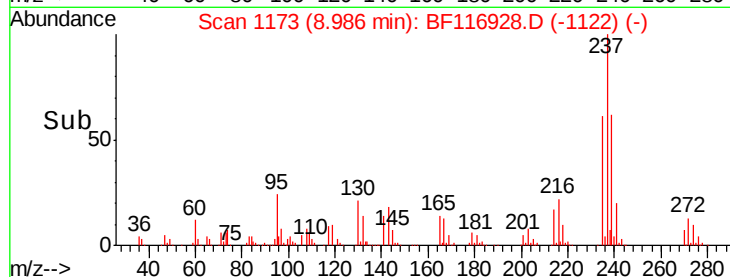
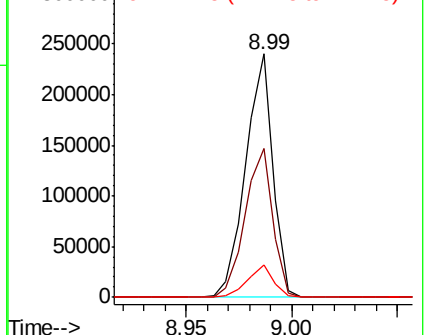
237 100

235 61.2 41.4 81.4

272 13.1 0.0 32.8



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: 179.015 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.01 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

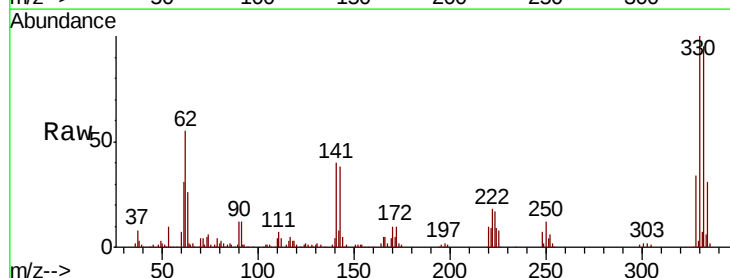
Tgt Ion:330 Resp: 207715

Ion Ratio Lower Upper

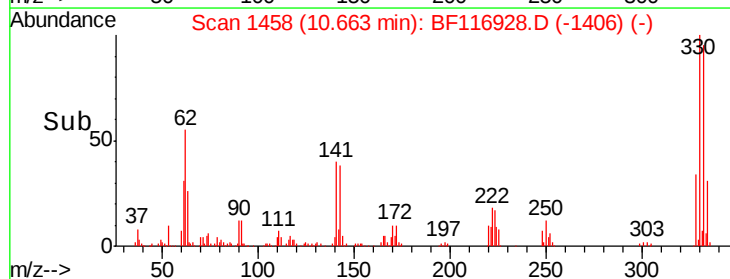
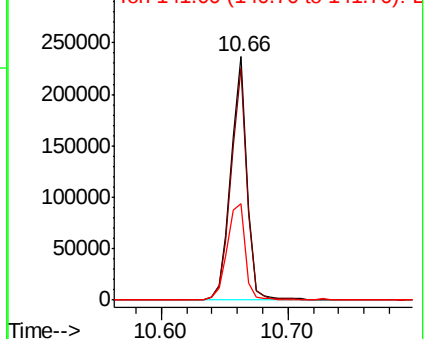
330 100

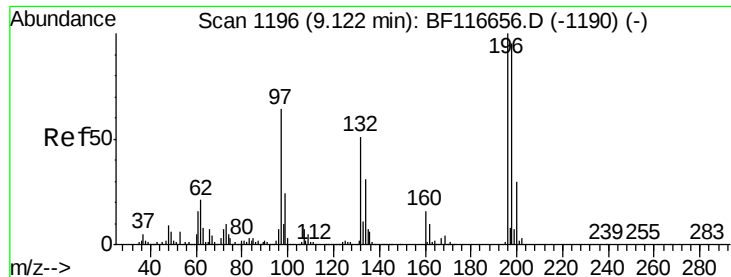
332 95.1 76.9 115.3

141 45.1 31.4 47.2



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

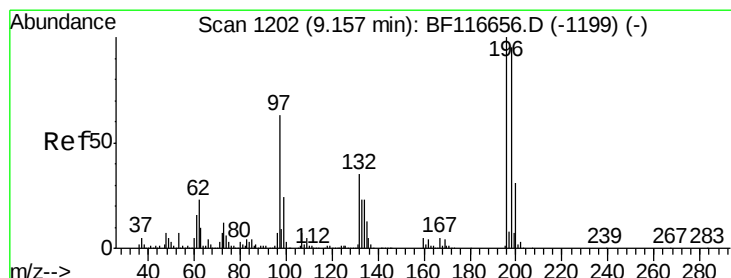
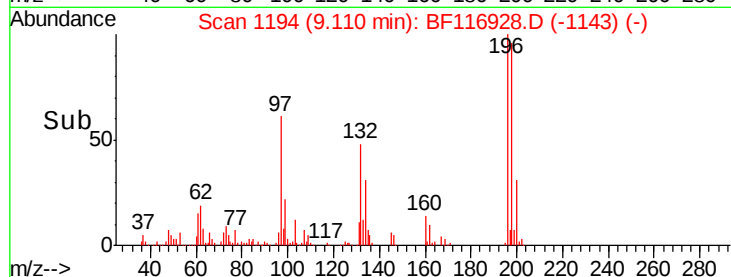
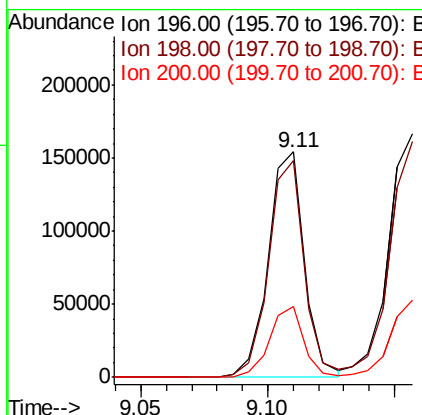
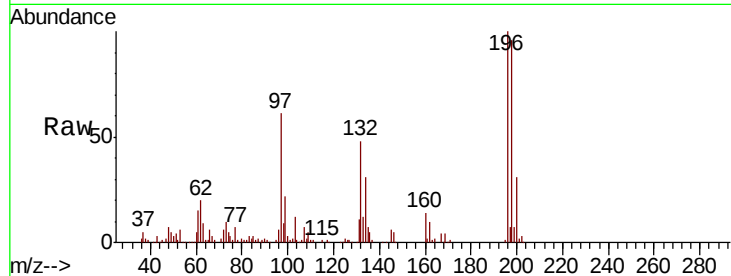




#43
 2,4,6-Trichlorophenol
 Concen: 53.261 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: BF116928.D
 Acq: 10 Sep 2019 18:27

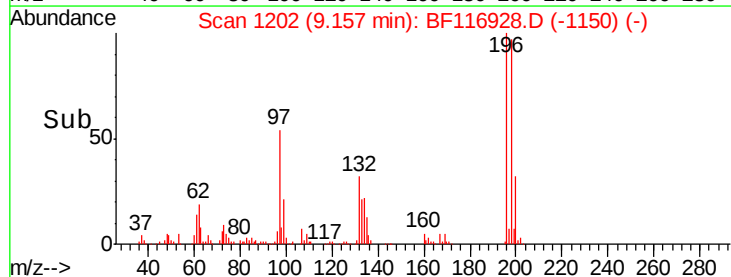
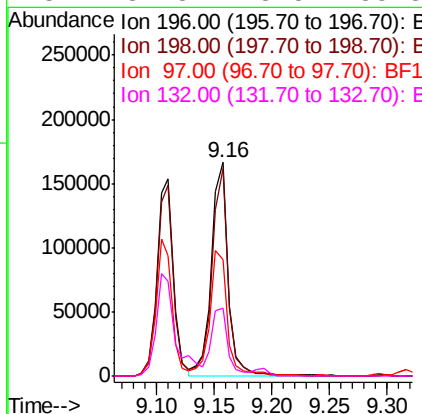
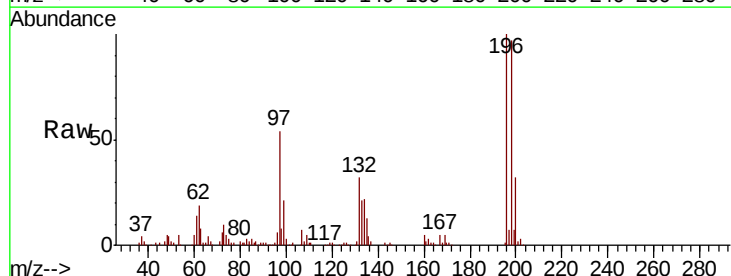
Instrument :
 BNA_F
 ClientSampleId :

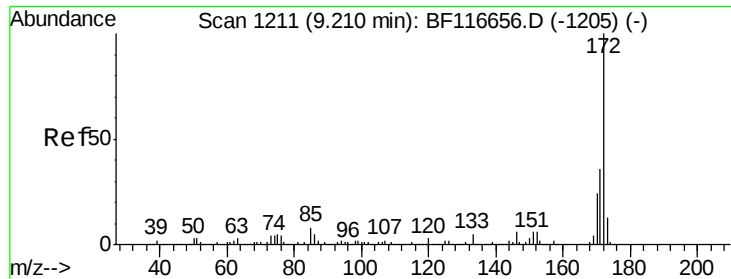
Tot Ion:196 Resp: 151908
 Ion Ratio Lower Upper
 196 100
 198 96.2 79.1 118.7
 200 31.3 24.0 36.0



#44
 2,4,5-Trichlorophenol
 Concen: 56.427 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: BF116928.D
 Acq: 10 Sep 2019 18:27

Tgt Ion:196 Resp: 167080
 Ion Ratio Lower Upper
 196 100
 198 97.0 78.1 117.1
 97 54.4 41.6 62.4
 132 31.8 23.5 35.3

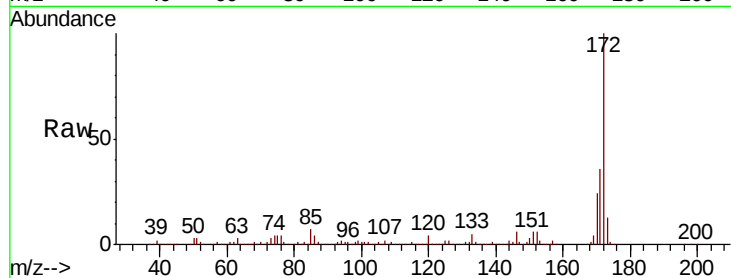




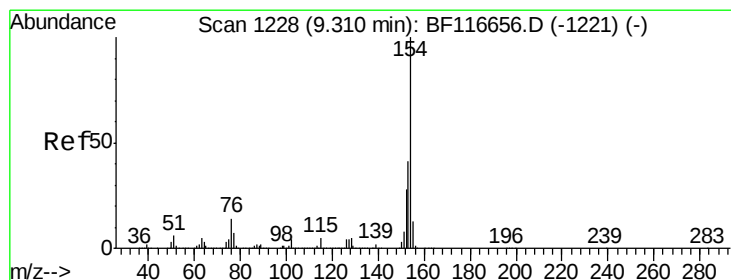
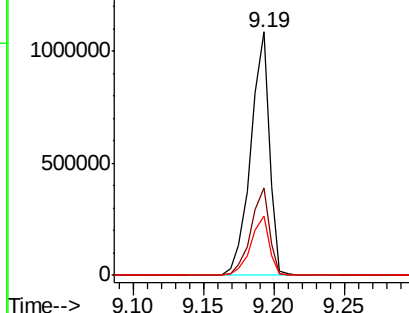
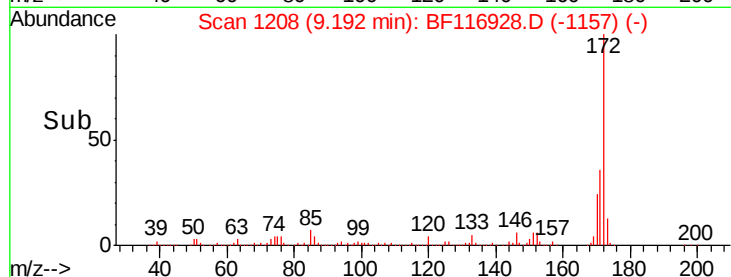
#45
 2-Fluorobiphenyl
 Concen: 98.517 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: BF116928.D
 Acq: 10 Sep 2019 18:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1013649
 Ion Ratio Lower Upper
 172 100
 171 35.8 27.8 41.6
 170 24.1 18.9 28.3

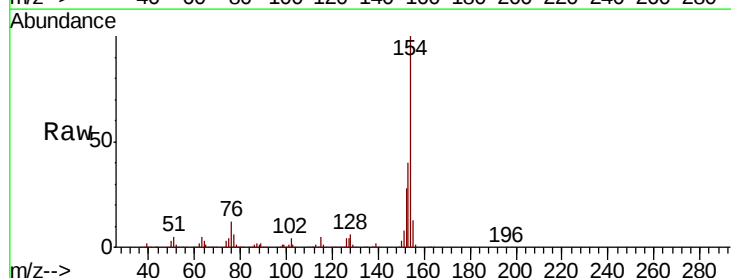


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

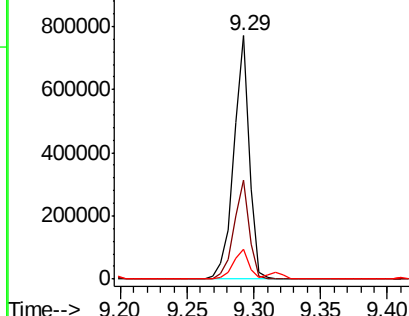
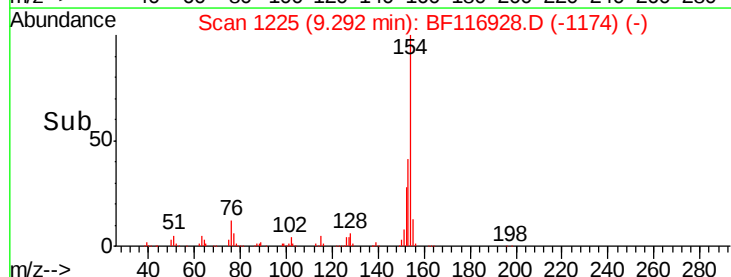


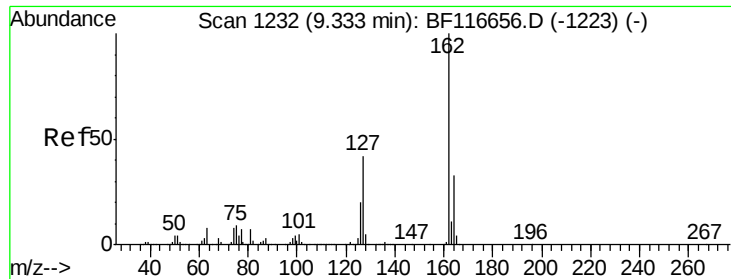
#46
 1,1'-Biphenyl
 Concen: 48.222 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: BF116928.D
 Acq: 10 Sep 2019 18:27

Tgt Ion:154 Resp: 635103
 Ion Ratio Lower Upper
 154 100
 153 40.5 21.2 61.2
 76 12.1 0.0 30.9



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1





#47

2-Chloronaphthalene

Concen: 48.203 ng

RT: 9.32 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Instrument :

BNA_F

ClientSampleId :

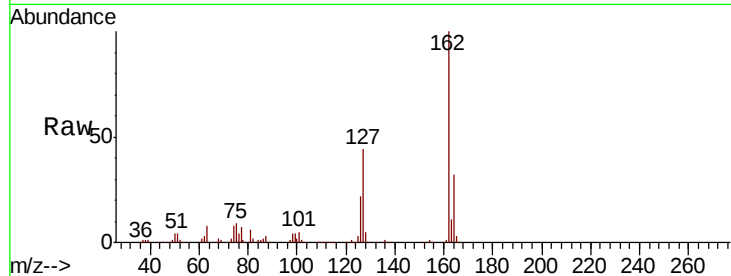
Tot Ion:162 Resp: 502828

Ion Ratio Lower Upper

162 100

127 43.9 33.4 50.2

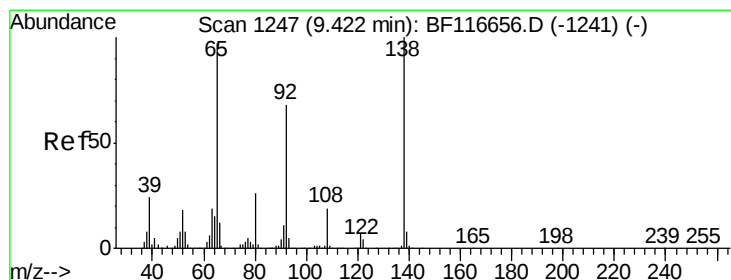
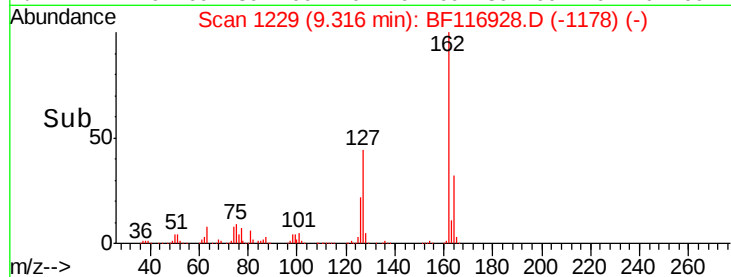
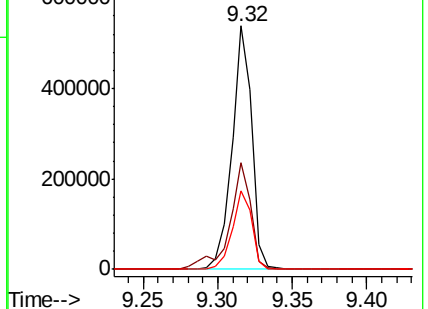
164 32.3 26.6 39.8



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 52.218 ng

RT: 9.41 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

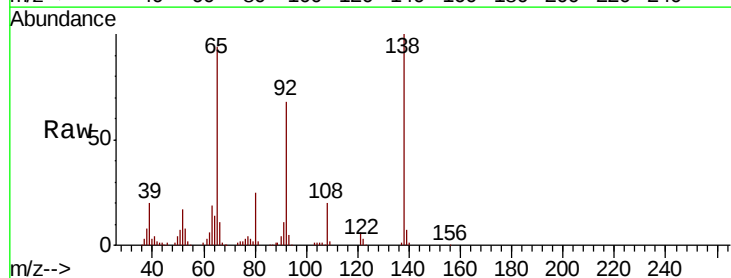
Tgt Ion: 65 Resp: 157475

Ion Ratio Lower Upper

65 100

92 72.4 57.1 85.7

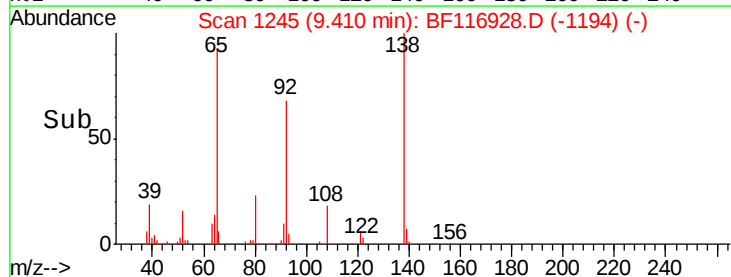
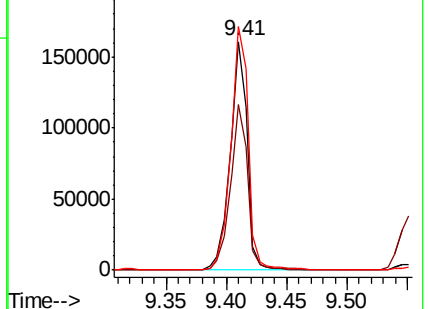
138 106.7 88.2 132.2

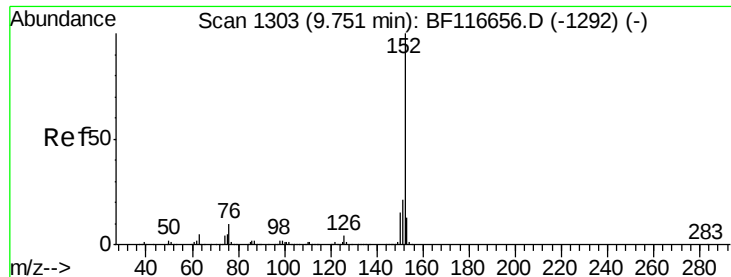


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 50.061 ng

RT: 9.73 min Scan# 1300

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Instrument :

BNA_F

ClientSampled :

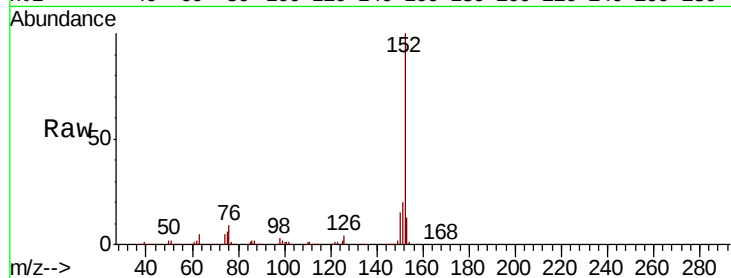
Tot Ion:152 Resp: 789388

Ion Ratio Lower Upper

152 100

151 19.8 15.9 23.9

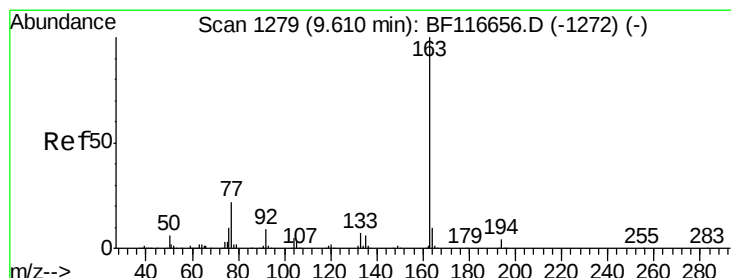
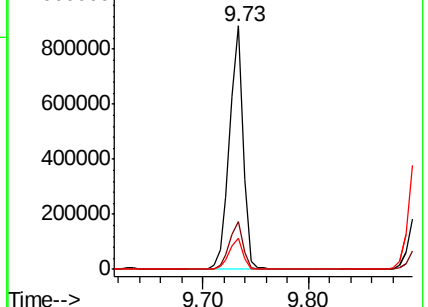
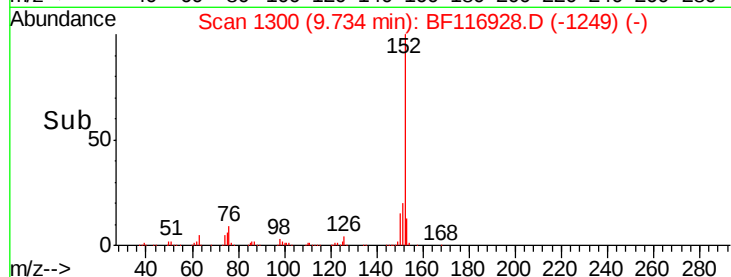
153 13.0 10.9 16.3



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: 53.758 ng

RT: 9.59 min Scan# 1276

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

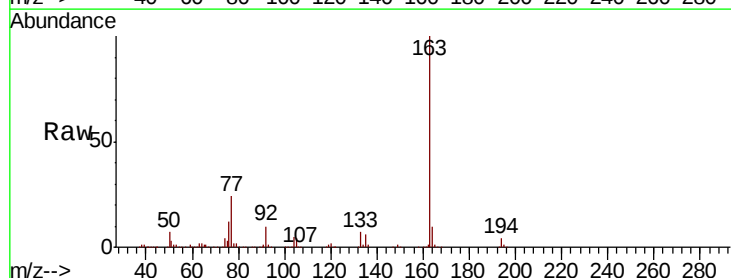
Tgt Ion:163 Resp: 644171

Ion Ratio Lower Upper

163 100

194 3.7 2.8 4.2

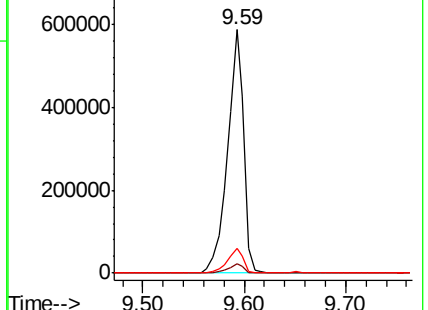
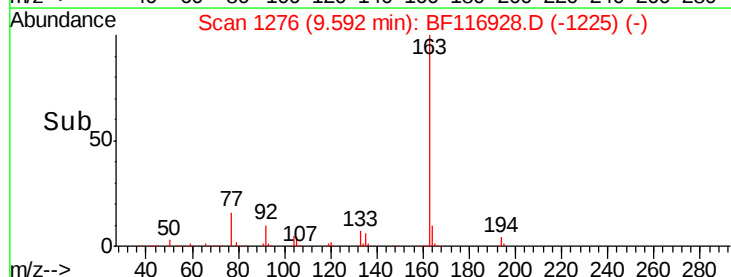
164 10.4 8.6 12.8

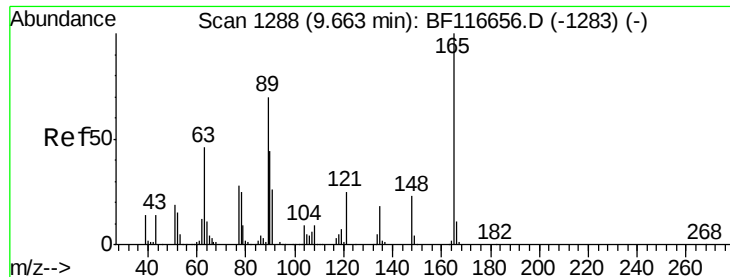


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 58.709 ng

RT: 9.65 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Instrument :

BNA_F

ClientSampleId :

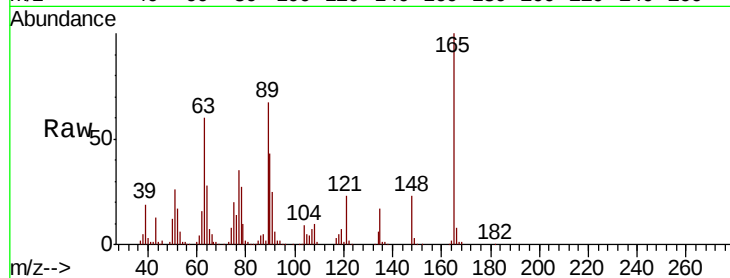
Tot Ion:165 Resp: 134223

Ion Ratio Lower Upper

165 100

63 60.4 47.3 70.9

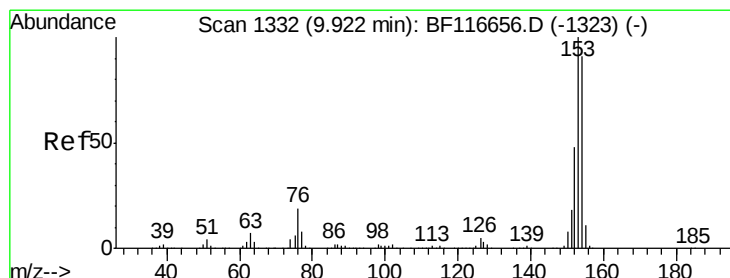
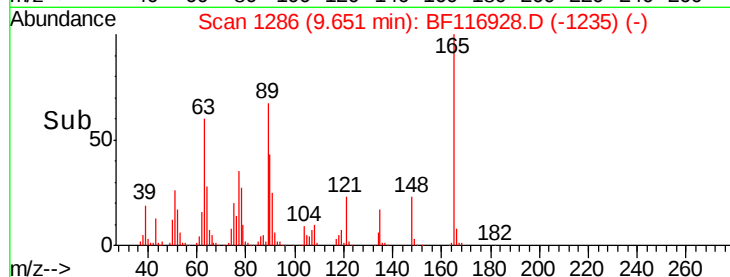
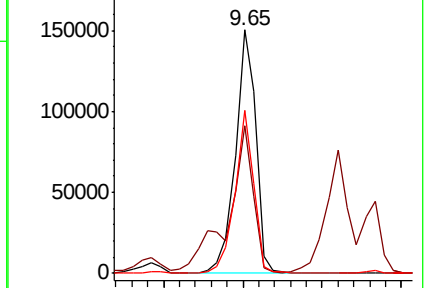
89 66.8 52.5 78.7



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 47.753 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

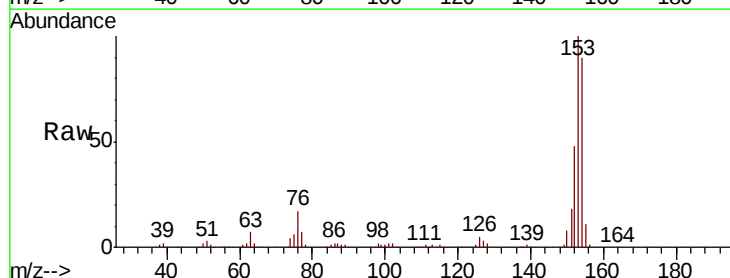
Tgt Ion:154 Resp: 462660

Ion Ratio Lower Upper

154 100

153 111.7 89.5 134.3

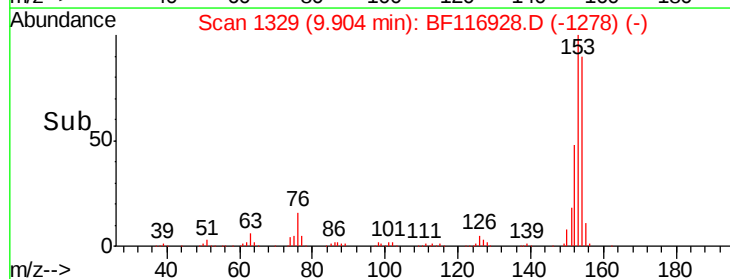
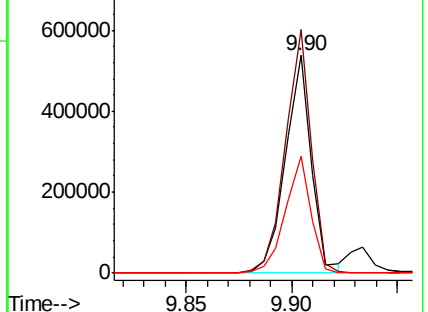
152 53.6 41.9 62.9

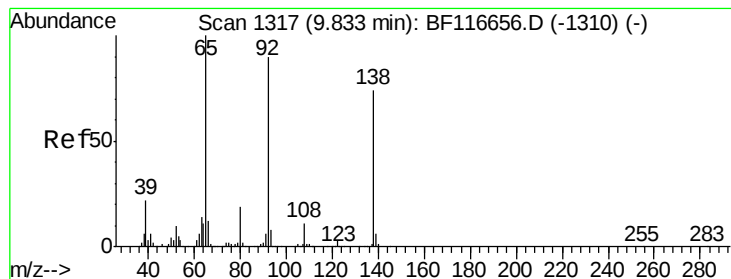


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 26.264 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Instrument :

BNA_F

ClientSampleId :

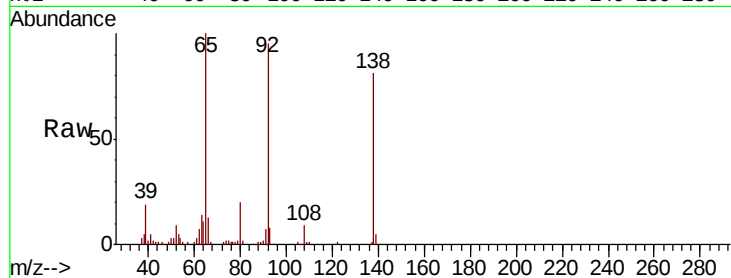
Tot Ion:138 Resp: 75250

Ion Ratio Lower Upper

138 100

108 10.8 8.5 12.7

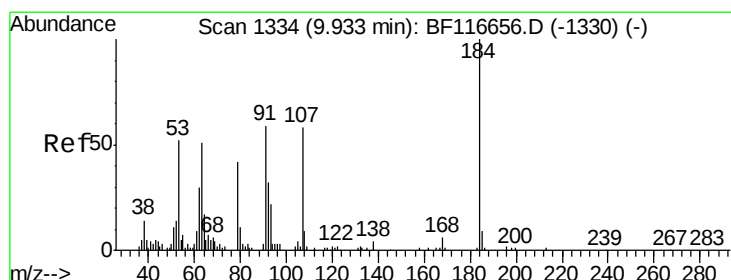
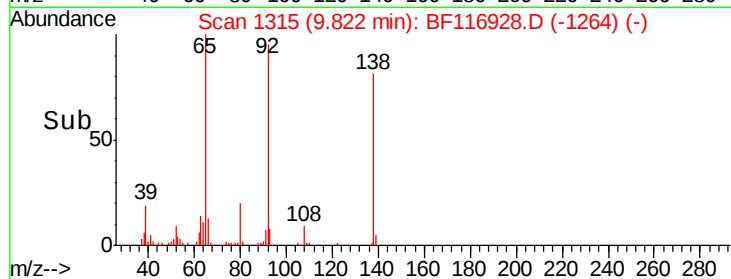
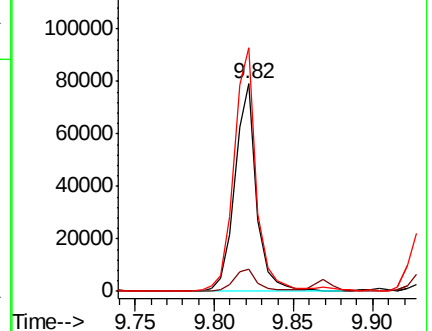
92 117.2 87.2 130.8



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: 102.651 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

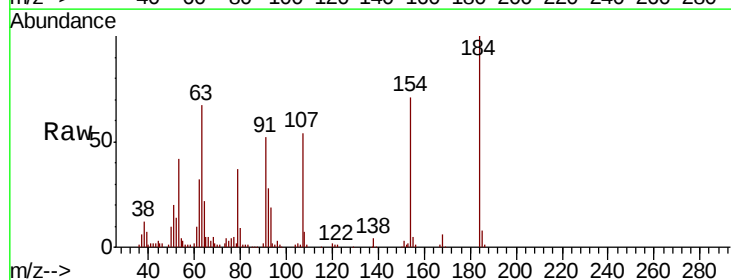
Tgt Ion:184 Resp: 85614

Ion Ratio Lower Upper

184 100

63 67.0 52.2 78.2

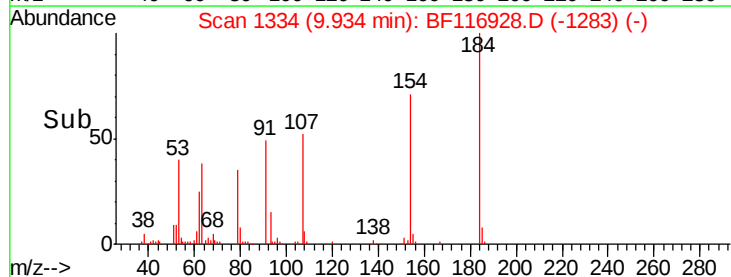
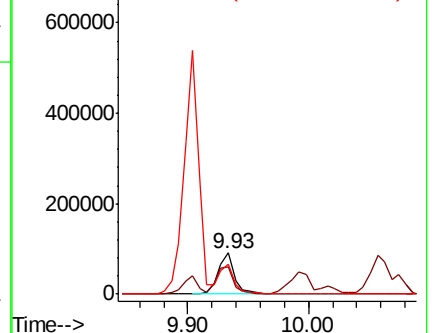
154 71.4 60.8 91.2

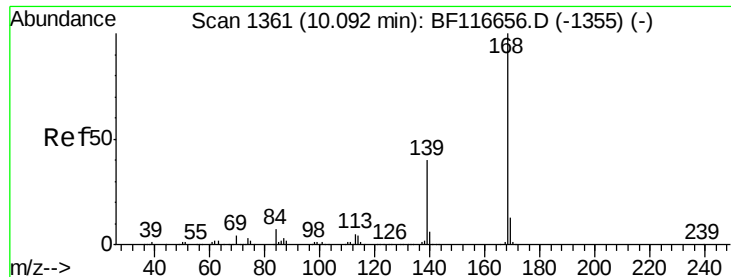


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

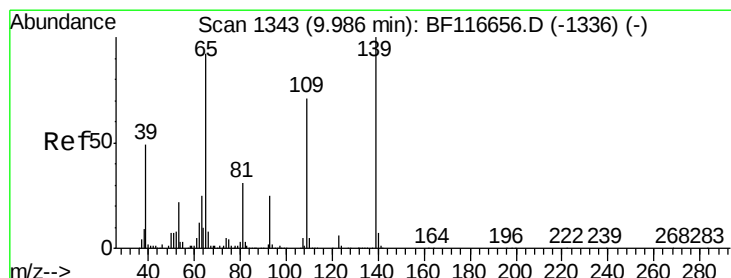
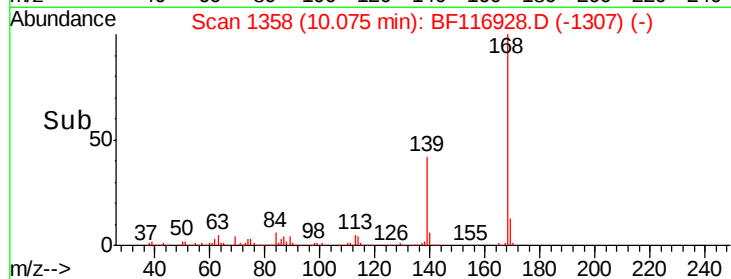
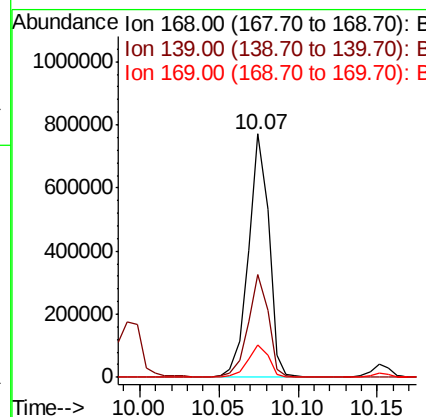
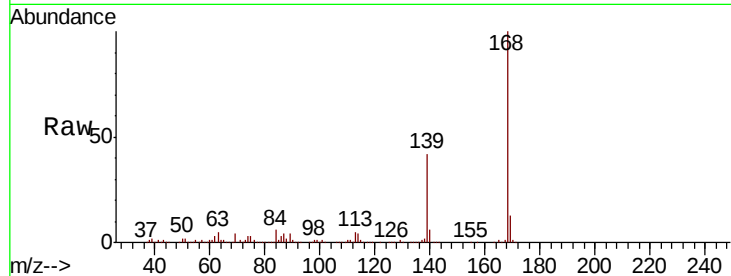




#55
Dibenzofuran
Concen: 50.272 ng
RT: 10.07 min Scan# 1358
Delta R.T. 0.00 min
Lab File: BF116928.D
Acq: 10 Sep 2019 18:27

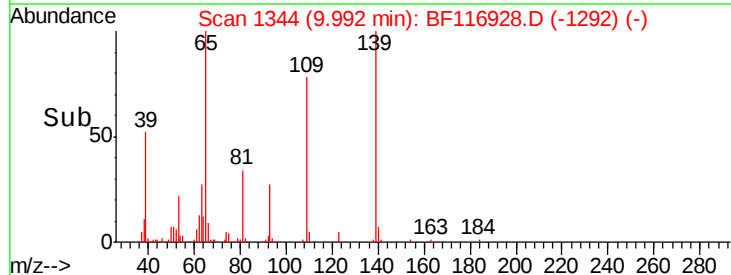
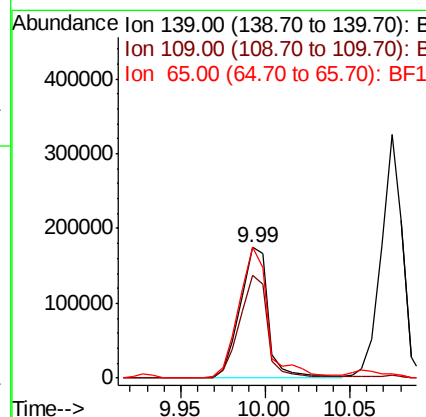
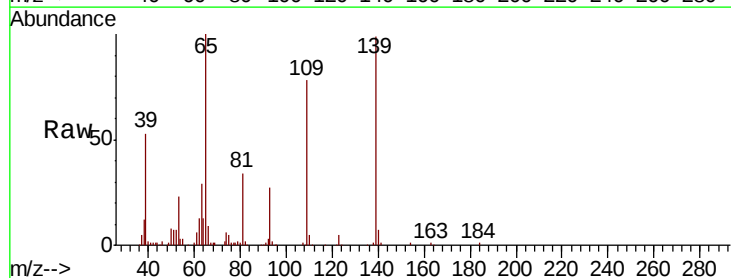
Instrument :
BNA_F
ClientSampleId :

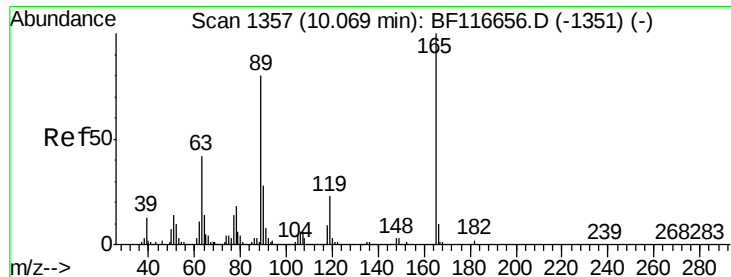
Tot Ion	Ratio	Lower	Upper
168	100		
139	42.2	31.5	47.3
169	13.3	10.3	15.5



#56
4-Nitrophenol
Concen: 104.258 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BF116928.D
Acq: 10 Sep 2019 18:27

Tgt Ion	Ratio	Lower	Upper
139	100		
109	78.5	61.7	101.7
65	100.7	89.1	129.1





#57

2,4-Dinitrotoluene

Concen: 65.404 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Instrument :

BNA_F

ClientSampled :

Tot Ion:165 Resp: 182839

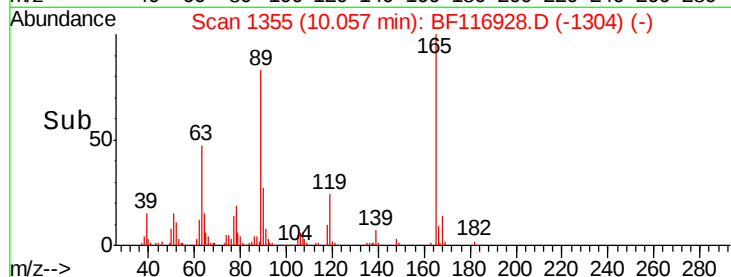
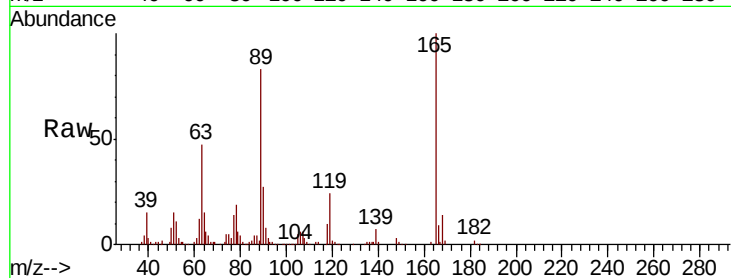
Ion Ratio Lower Upper

165 100

63 47.0 36.4 54.6

89 83.1 62.6 94.0

182 2.5 2.1 3.1

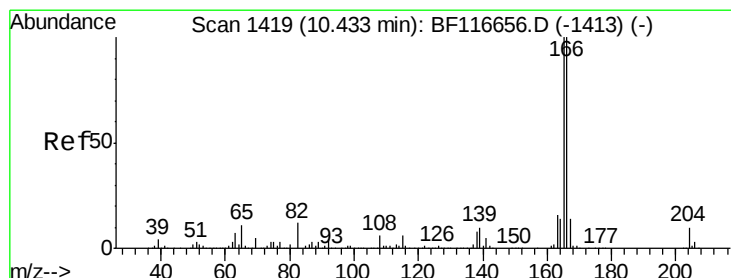
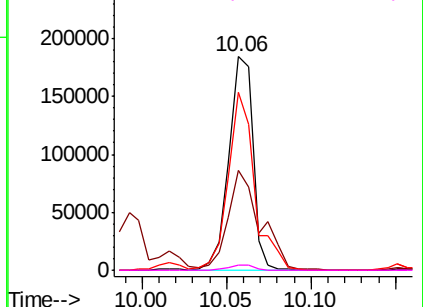


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 53.789 ng

RT: 10.42 min Scan# 1416

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

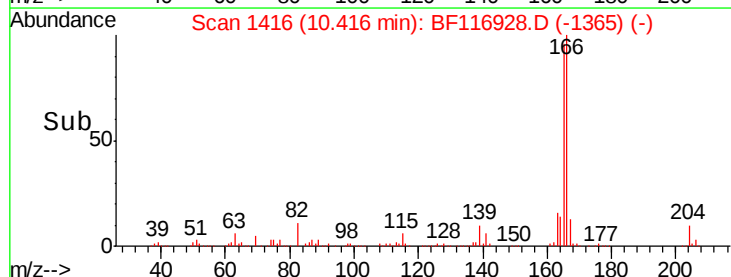
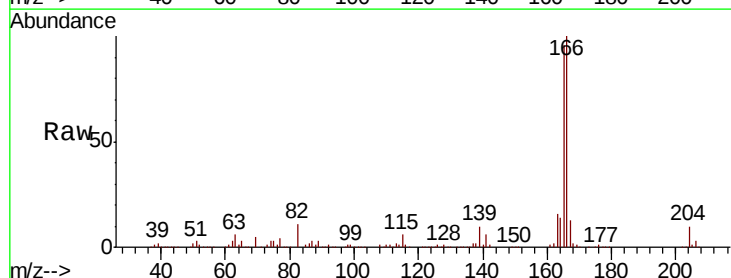
Tgt Ion:166 Resp: 559782

Ion Ratio Lower Upper

166 100

165 95.7 78.8 118.2

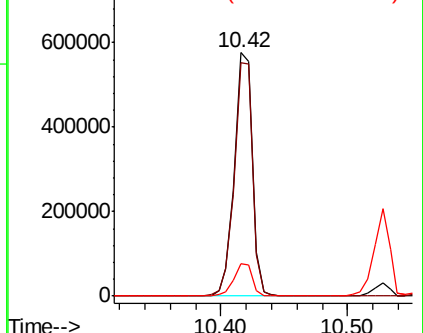
167 13.3 10.0 15.0

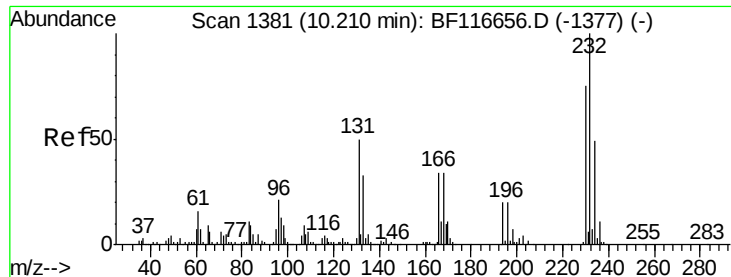


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

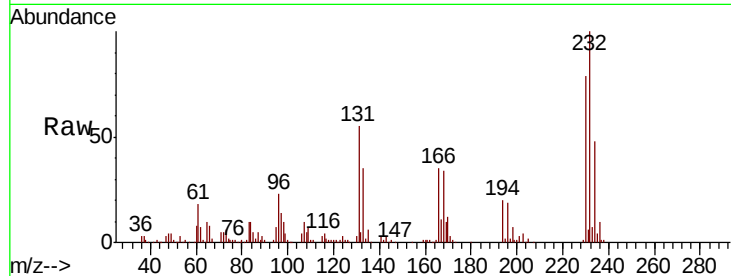




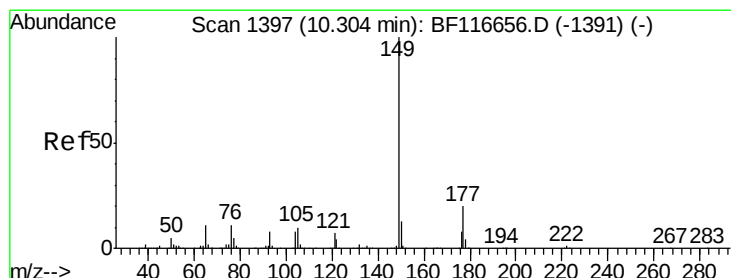
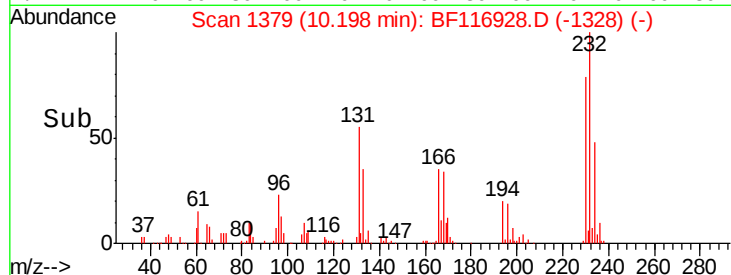
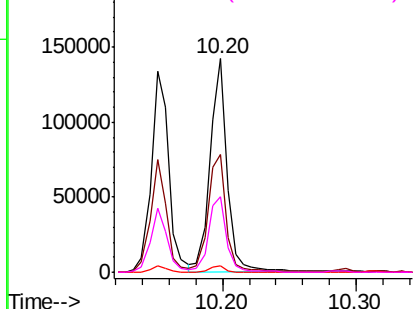
#59
2,3,4,6-Tetrachlorophenol
Concen: 60.190 ng
RT: 10.20 min Scan# 1379
Delta R.T. 0.00 min
Lab File: BF116928.D
Acq: 10 Sep 2019 18:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:232 Resp: 128625
Ion Ratio Lower Upper
232 100
131 56.9 42.7 64.1
130 2.5 1.9 2.9
166 37.3 27.4 41.2

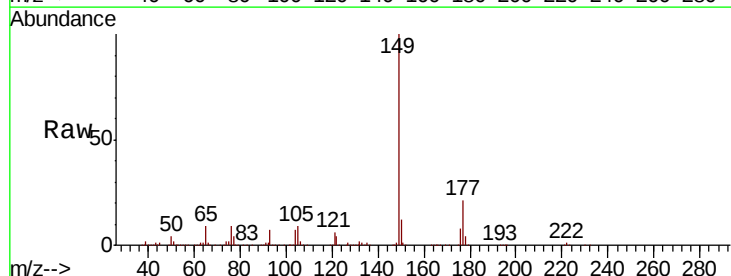


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

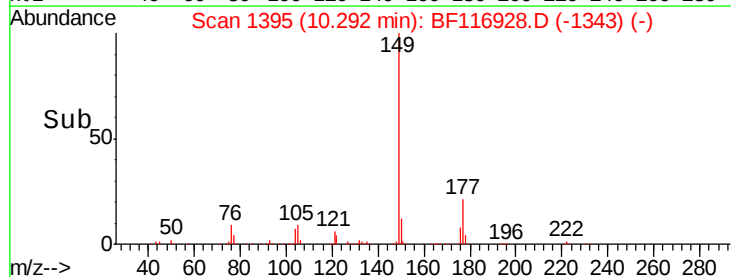
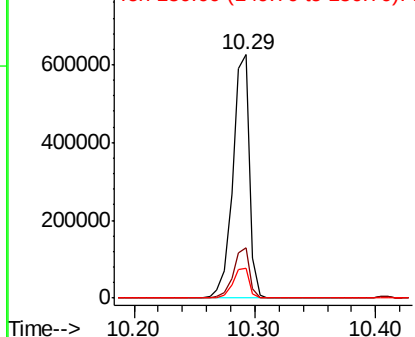


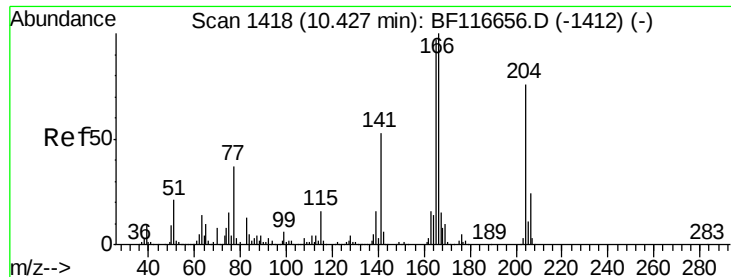
#60
Diethylphthalate
Concen: 50.042 ng
RT: 10.29 min Scan# 1395
Delta R.T. 0.01 min
Lab File: BF116928.D
Acq: 10 Sep 2019 18:27

Tgt Ion:149 Resp: 600664
Ion Ratio Lower Upper
149 100
177 20.8 17.2 25.8
150 12.3 9.7 14.5



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

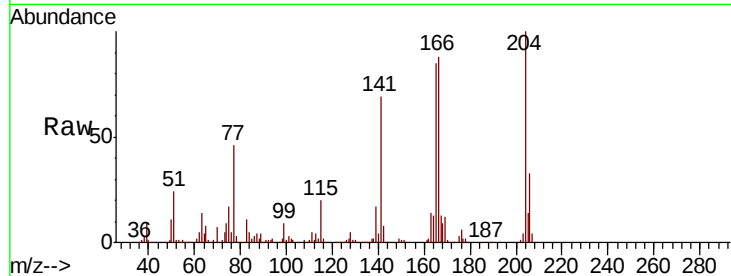




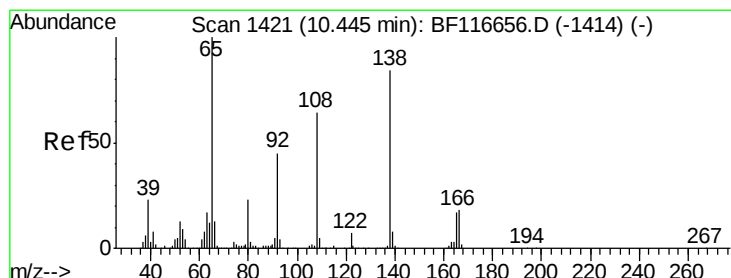
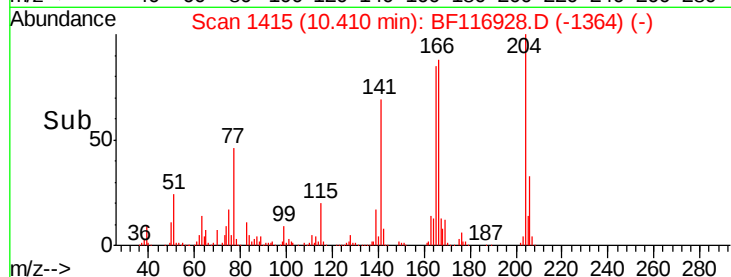
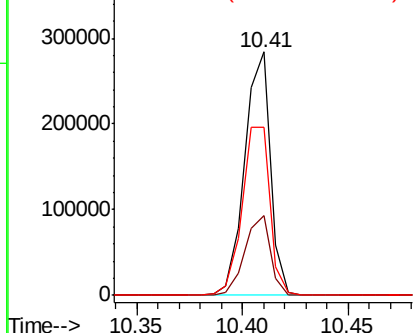
#61
 4-Chlorophenyl-phenylether
 Concen: 52.810 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: BF116928.D
 Acq: 10 Sep 2019 18:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	204	Resp:	240667
Ion	Ratio	Lower	Upper
204	100		
206	32.9	25.4	38.2
141	69.2	53.8	80.8

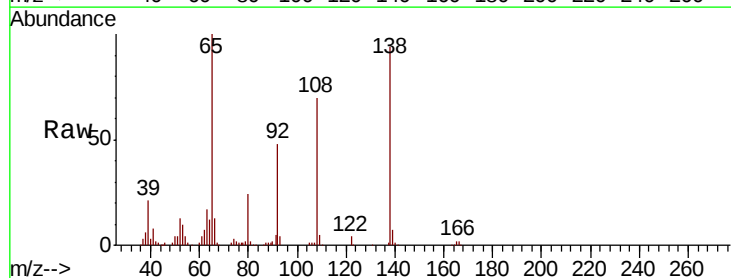


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

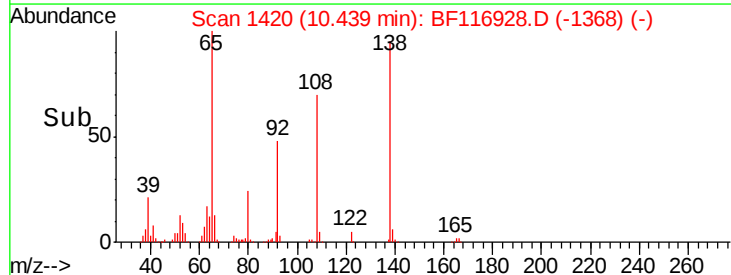
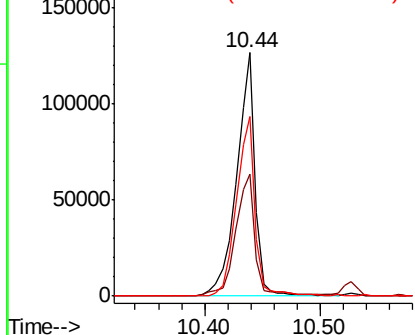


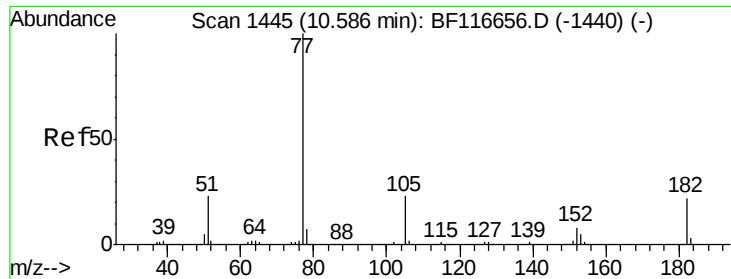
#62
 4-Nitroaniline
 Concen: 50.600 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. 0.01 min
 Lab File: BF116928.D
 Acq: 10 Sep 2019 18:27

Tgt Ion:	138	Resp:	140693
Ion	Ratio	Lower	Upper
138	100		
92	50.3	28.7	68.7
108	74.0	60.4	100.4



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

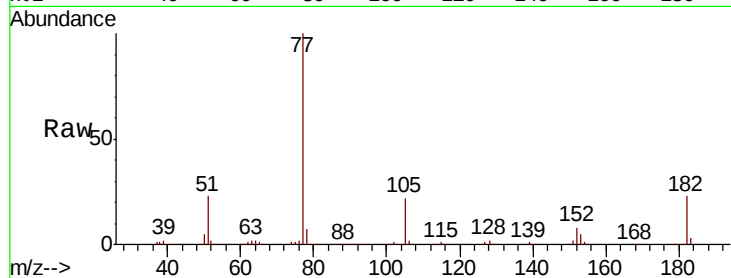




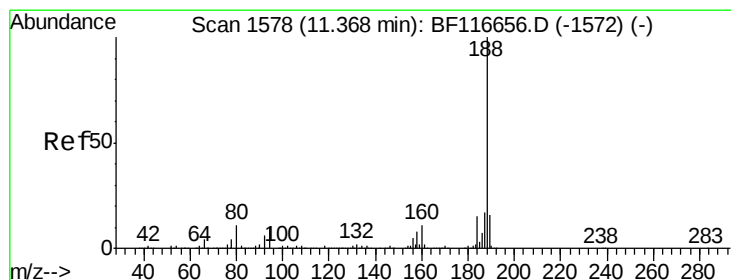
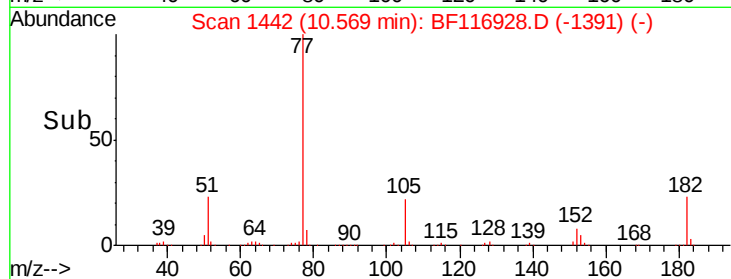
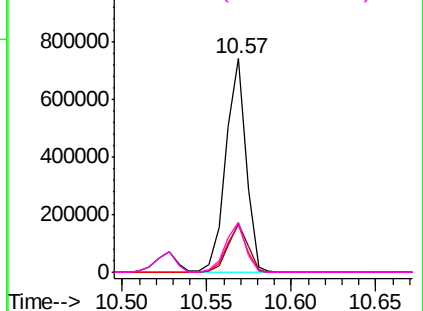
#63
Azobenzene
Concen: 49.212 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.00 min
Lab File: BF116928.D
Acq: 10 Sep 2019 18:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	22.6	1.2	41.2	
105	22.3	0.6	40.6	
51	23.4	8.2	48.2	

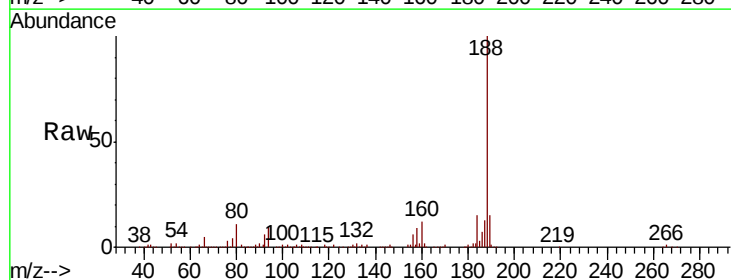


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

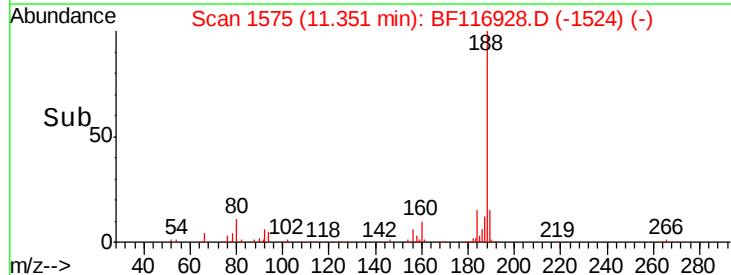
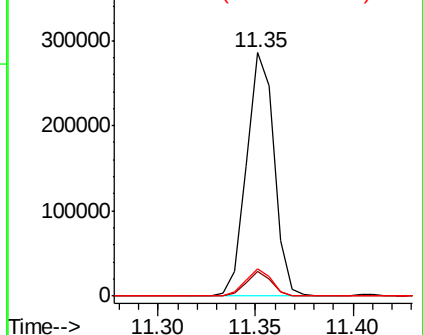


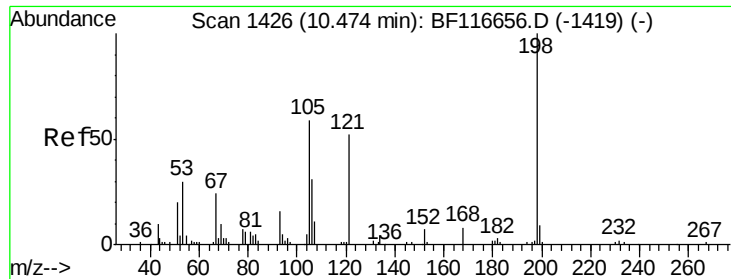
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.00 min
Lab File: BF116928.D
Acq: 10 Sep 2019 18:27

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	10.0	7.3	10.9	
80	11.3	8.4	12.6	



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

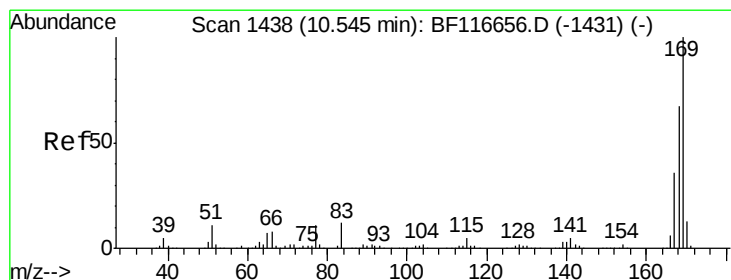
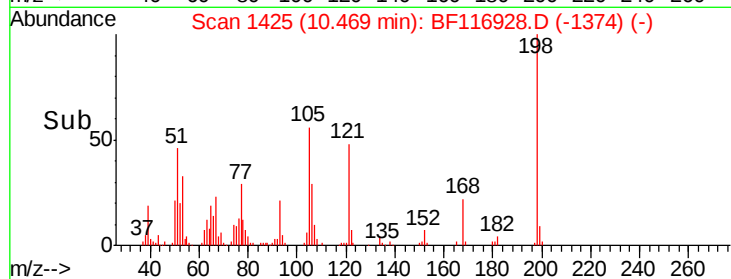
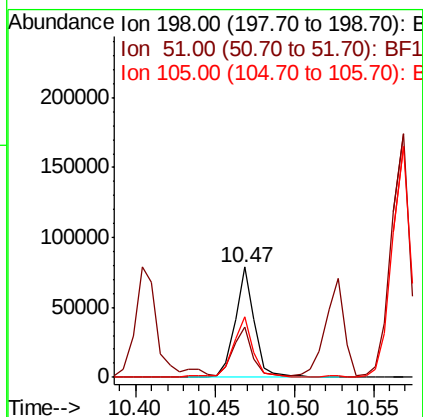
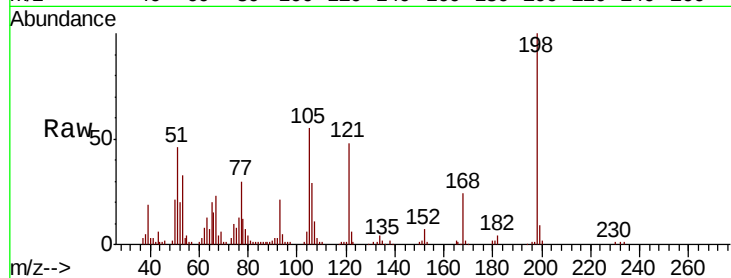




#65
 4,6-Dinitro-2-methylphenol
 Concen: 61.645 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. 0.00 min
 Lab File: BF116928.D
 Acq: 10 Sep 2019 18:27

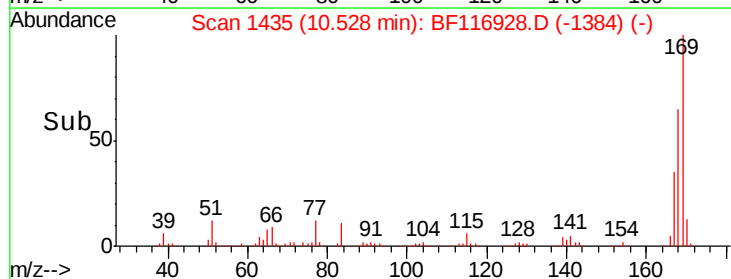
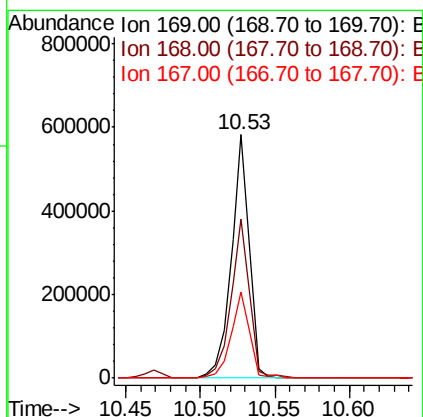
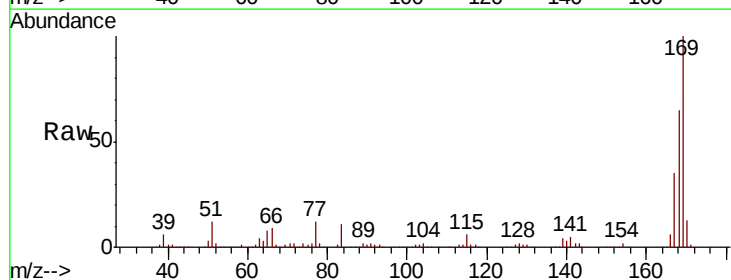
Instrument :
 BNA_F
 ClientSampled :

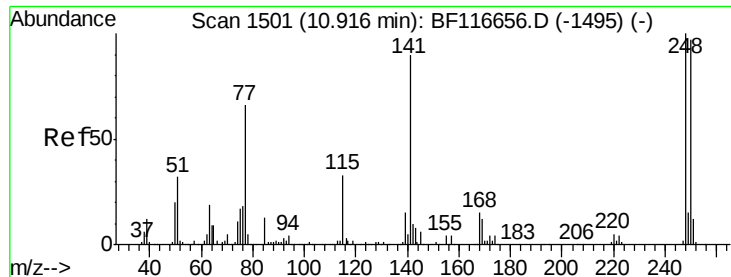
Tot Ion:198 Resp: 66304
 Ion Ratio Lower Upper
 198 100
 51 45.9 18.4 58.4
 105 55.0 22.9 62.9



#66
 n-Nitrosodiphenylamine
 Concen: 51.039 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF116928.D
 Acq: 10 Sep 2019 18:27

Tgt Ion:169 Resp: 495476
 Ion Ratio Lower Upper
 169 100
 168 65.3 55.8 83.6
 167 35.5 29.4 44.2

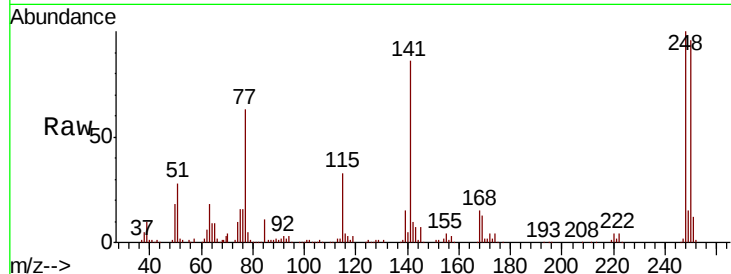




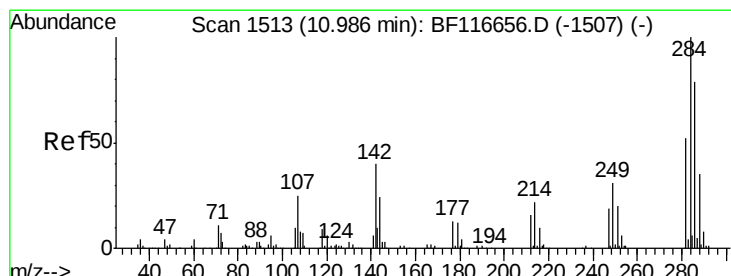
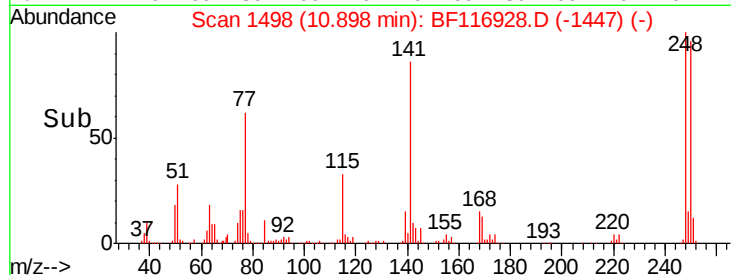
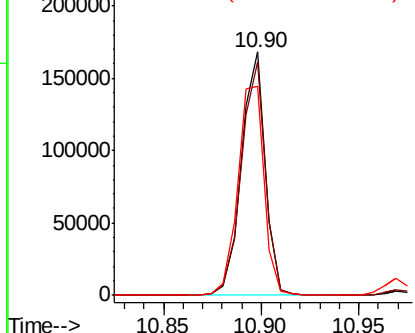
#67
4-Bromophenyl-phenylether
Concen: 49.834 ng
RT: 10.90 min Scan# 1498
Delta R.T. 0.00 min
Lab File: BF116928.D
Acq: 10 Sep 2019 18:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 142066
Ion Ratio Lower Upper
248 100
250 96.0 77.8 116.8
141 85.9 75.9 113.9

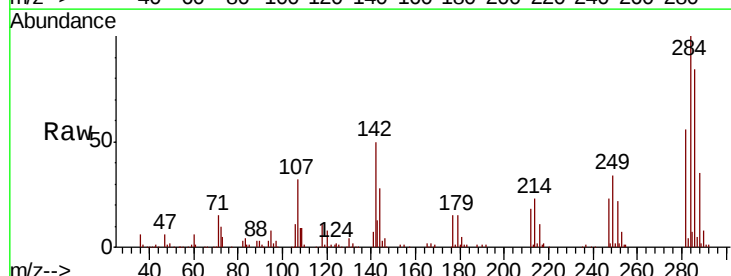


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

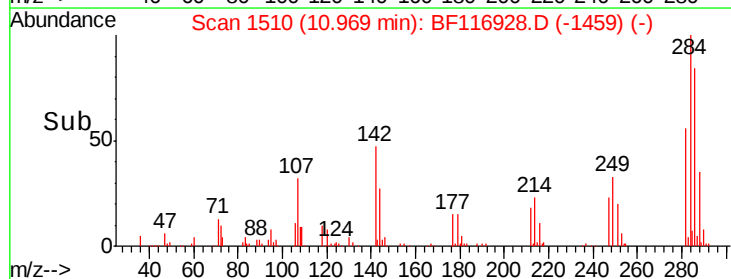
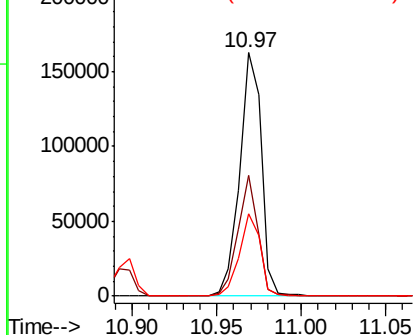


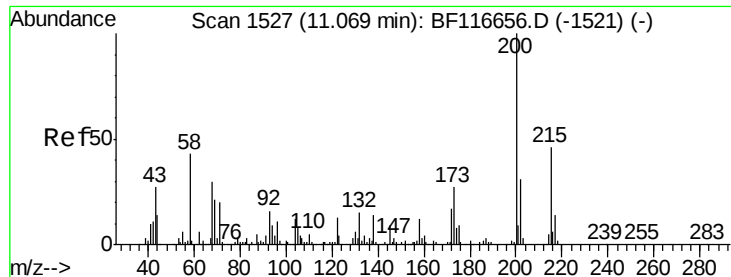
#68
Hexachlorobenzene
Concen: 48.917 ng
RT: 10.97 min Scan# 1510
Delta R.T. 0.00 min
Lab File: BF116928.D
Acq: 10 Sep 2019 18:27

Tgt Ion:284 Resp: 145902
Ion Ratio Lower Upper
284 100
142 49.5 34.0 51.0
249 33.6 26.4 39.6



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

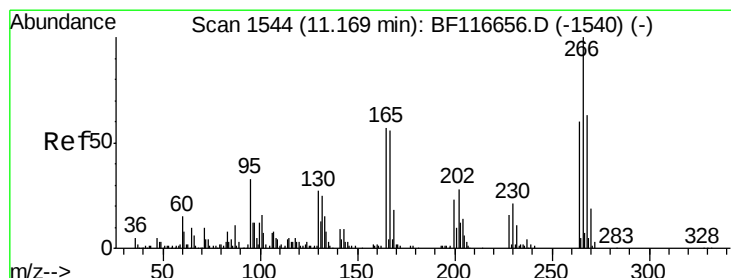
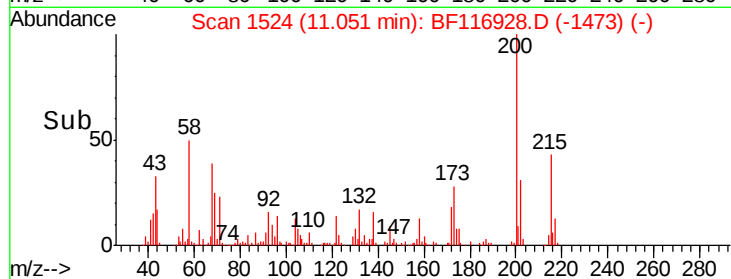
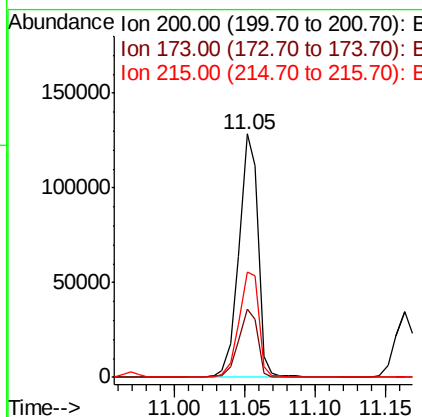
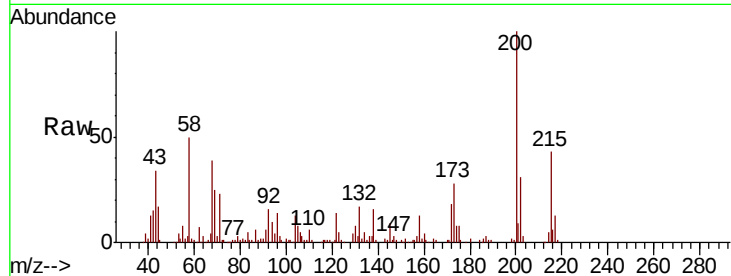




#69
Atrazine
Concen: 44.620 ng
RT: 11.05 min Scan# 1524
Delta R.T. 0.00 min
Lab File: BF116928.D
Acq: 10 Sep 2019 18:27

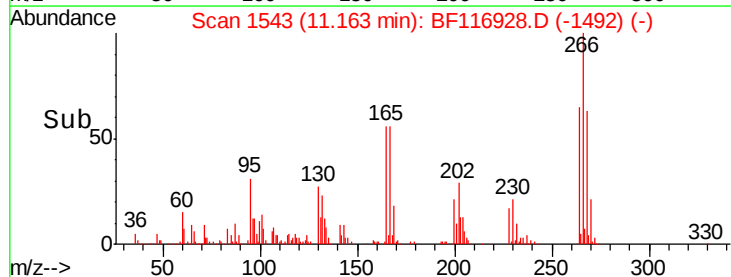
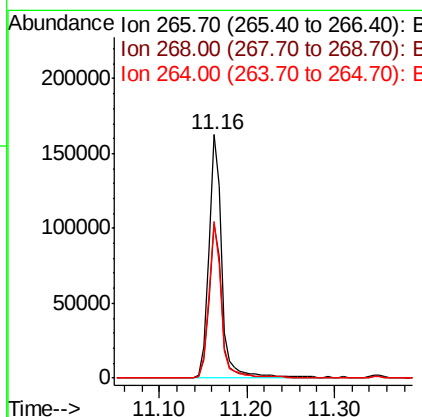
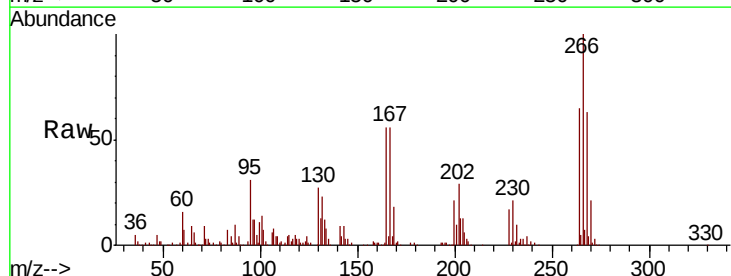
Instrument :
BNA_F
ClientSampleId :

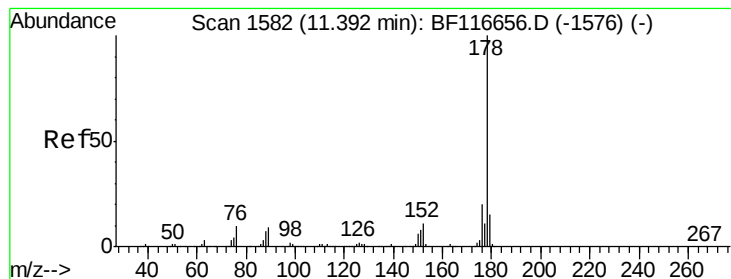
Tot Ion:200 Resp: 121319
Ion Ratio Lower Upper
200 100
173 27.8 6.2 46.2
215 43.0 24.3 64.3



#70
Pentachlorophenol
Concen: 117.332 ng
RT: 11.16 min Scan# 1543
Delta R.T. 0.00 min
Lab File: BF116928.D
Acq: 10 Sep 2019 18:27

Tgt Ion:266 Resp: 169293
Ion Ratio Lower Upper
266 100
268 63.1 51.2 76.8
264 64.6 51.9 77.9





#71

Phenanthrene

Concen: 51.243 ng

RT: 11.38 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Instrument :

BNA_F

ClientSampleId :

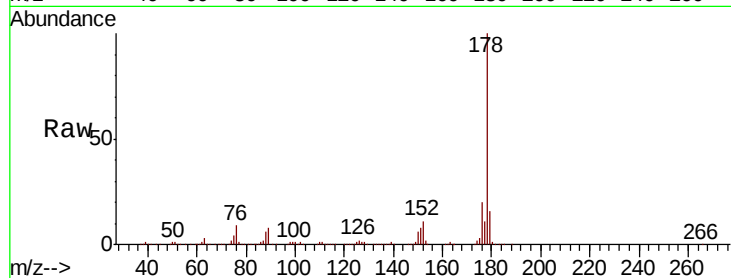
Tot Ion:178 Resp: 800499

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

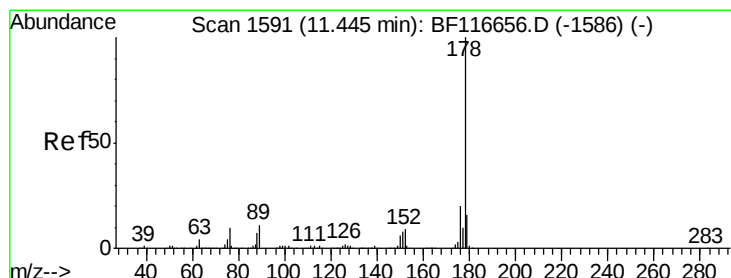
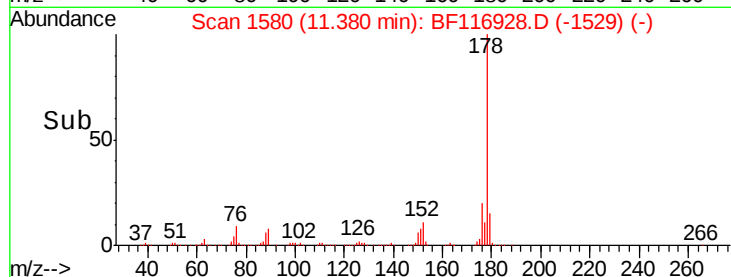
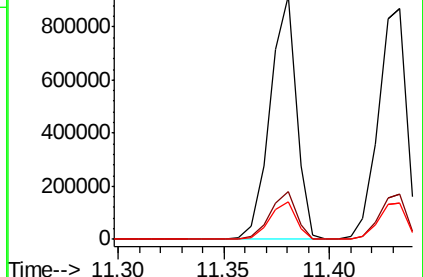
179 15.6 12.2 18.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 52.382 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.01 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

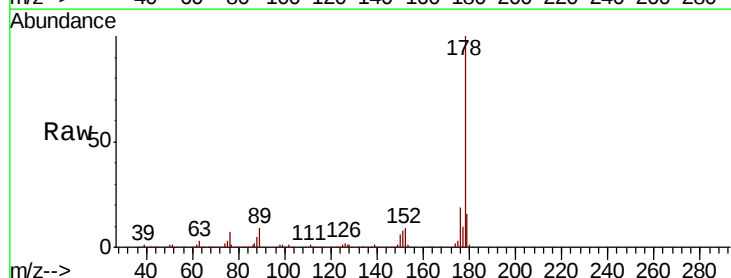
Tgt Ion:178 Resp: 823718

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

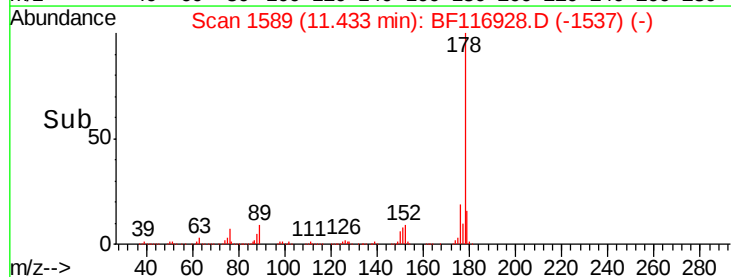
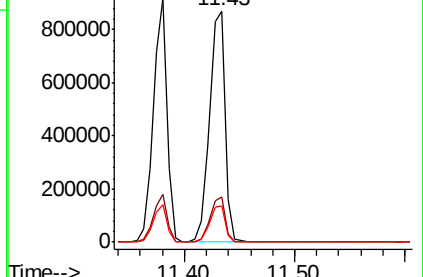
179 15.5 12.5 18.7

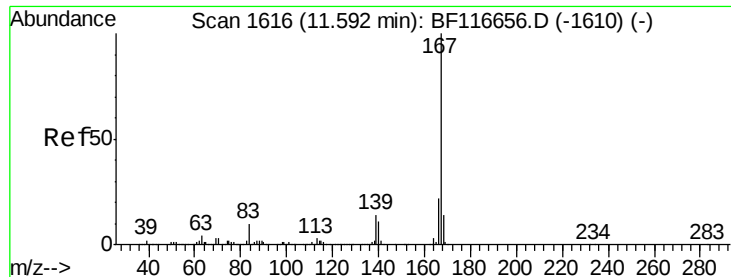


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

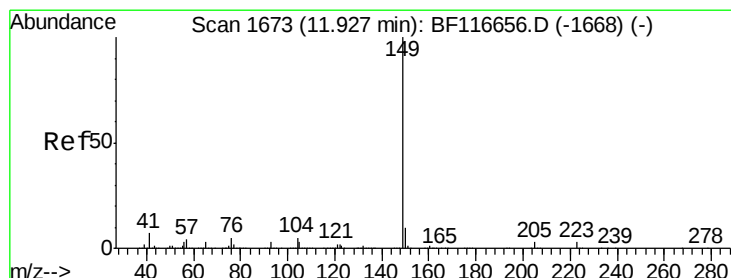
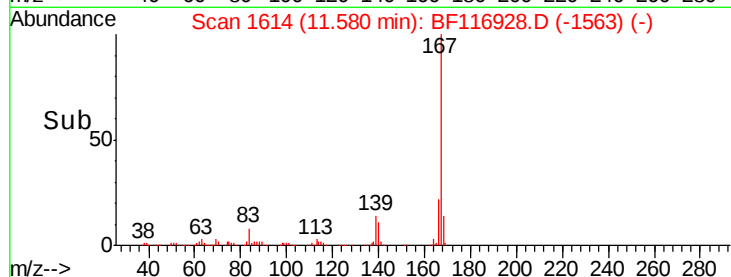
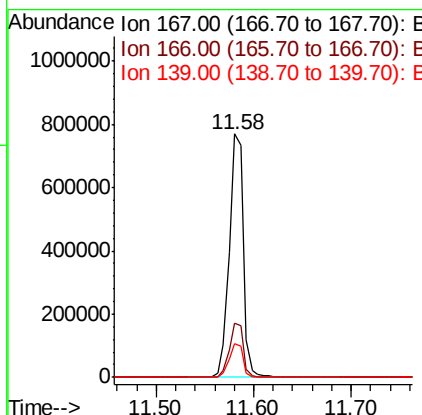
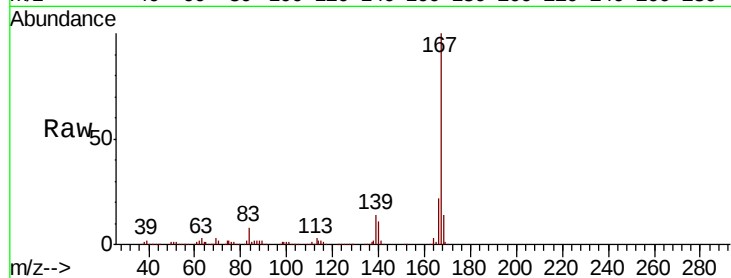




#73
 Carbazole
 Concen: 51.554 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. 0.00 min
 Lab File: BF116928.D
 Acq: 10 Sep 2019 18:27

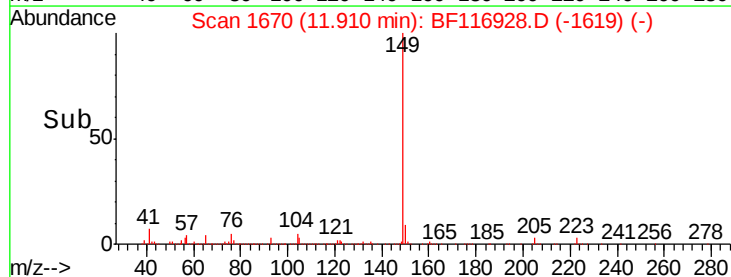
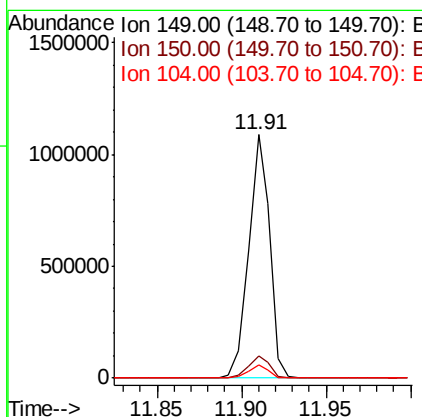
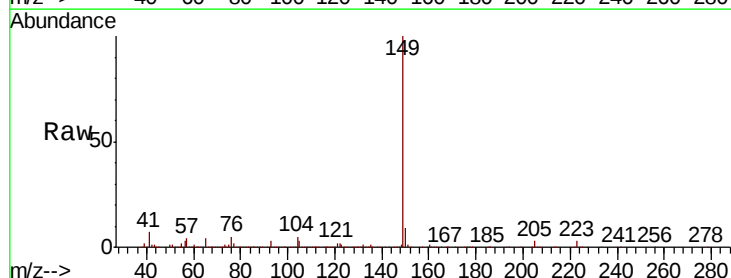
Instrument :
 BNA_F
 ClientSampleId :

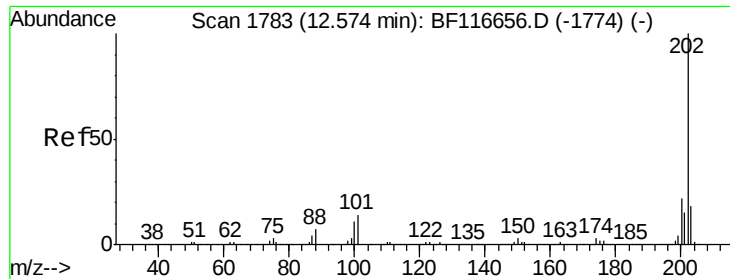
Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.8	26.6
139	14.0	11.1	16.7



#74
 Di-n-butylphthalate
 Concen: 49.293 ng
 RT: 11.91 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: BF116928.D
 Acq: 10 Sep 2019 18:27

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.2	10.8
104	5.5	4.2	6.2





#75

Fluoranthene

Concen: 52.737 ng

RT: 12.56 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Instrument :

BNA_F

ClientSampled :

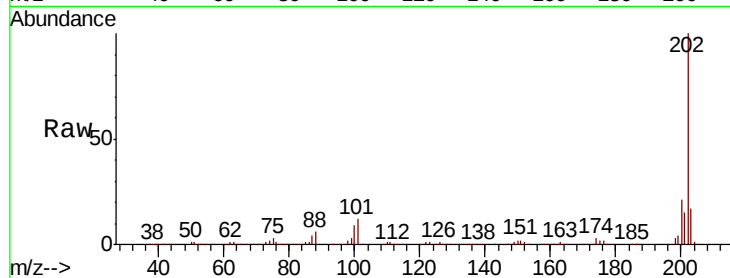
Tot Ion:202 Resp: 809620

Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.3

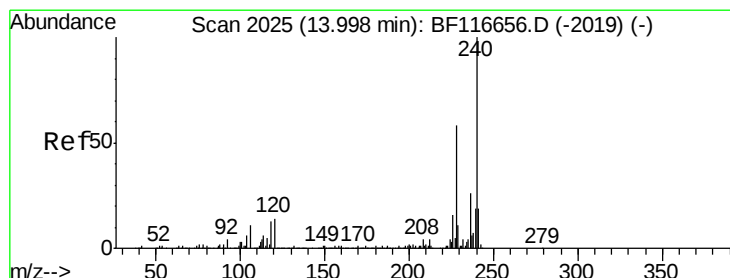
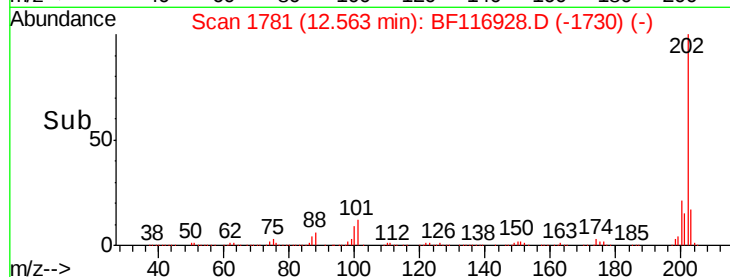
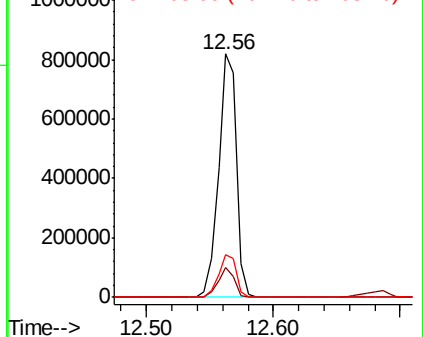
203 17.3 0.0 37.6



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: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

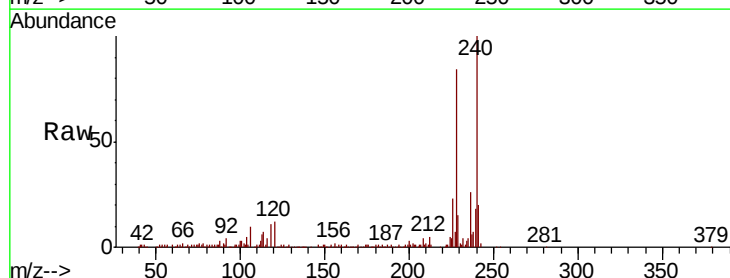
Tgt Ion:240 Resp: 185705

Ion Ratio Lower Upper

240 100

120 12.4 9.1 13.7

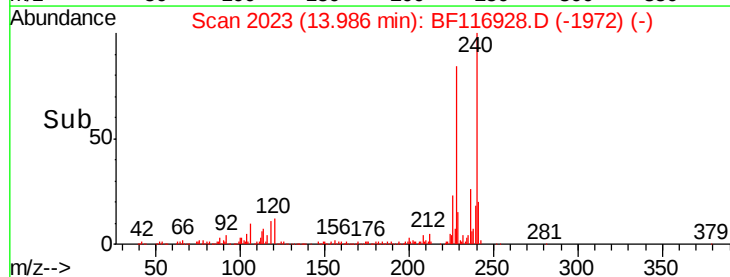
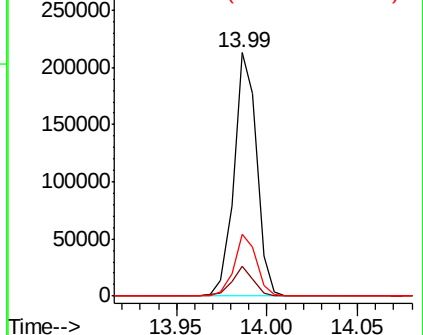
236 25.6 21.1 31.7

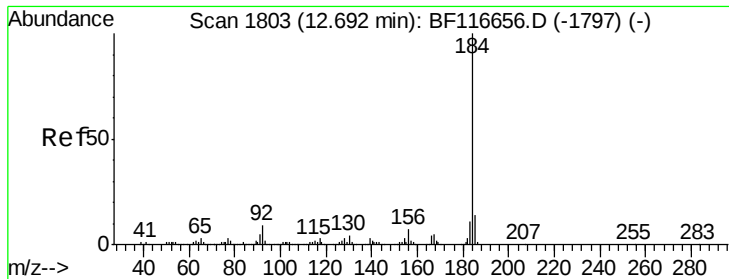


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.910 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.01 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Instrument :

BNA_F

ClientSampleId :

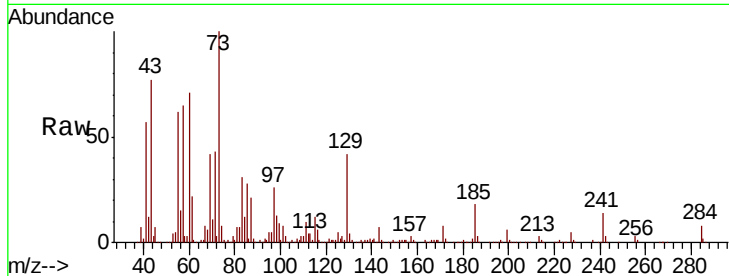
Tot Ion:184 Resp: 6627

Ion Ratio Lower Upper

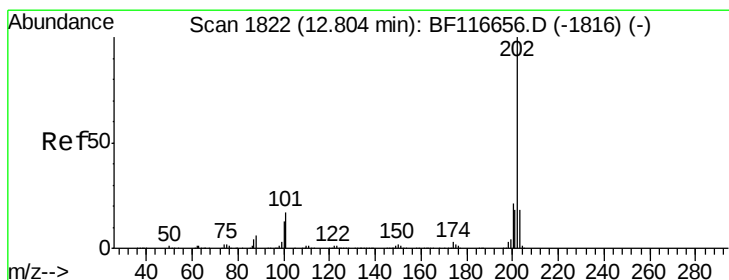
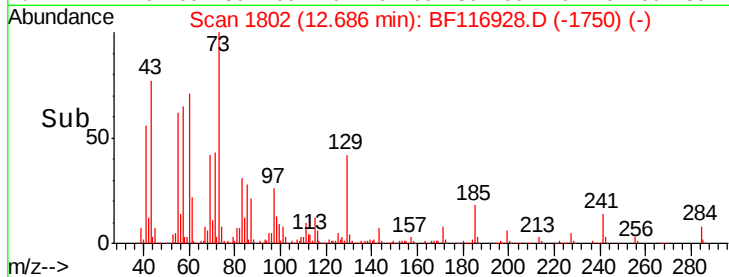
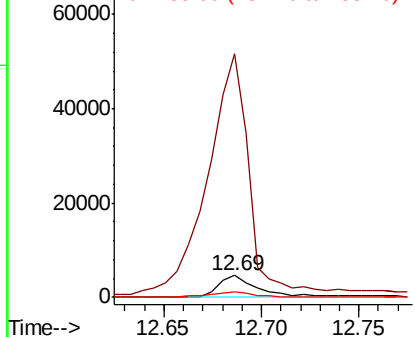
184 100

185 1120.4 11.3 16.9#

183 27.7 9.2 13.8#



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: 48.861 ng

RT: 12.79 min Scan# 1820

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

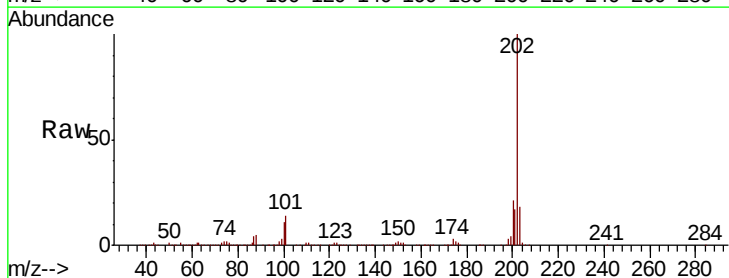
Tgt Ion:202 Resp: 806587

Ion Ratio Lower Upper

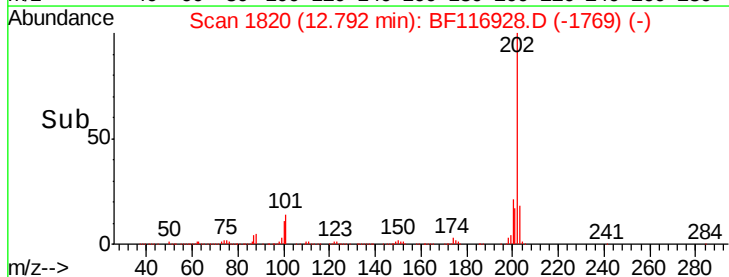
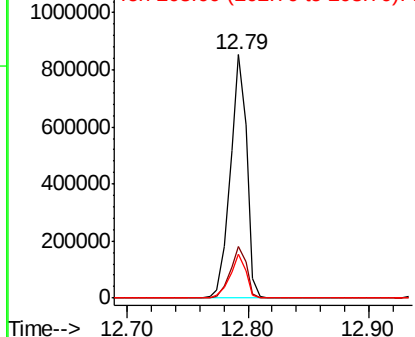
202 100

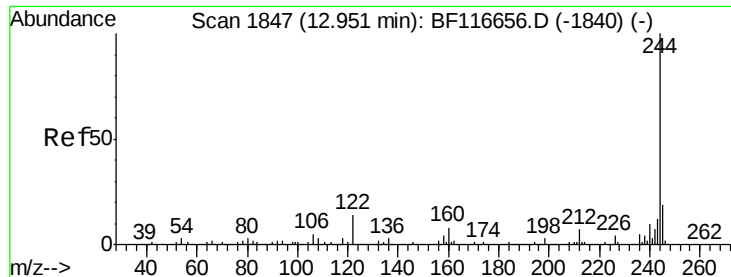
200 21.0 16.5 24.7

203 17.9 13.7 20.5



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

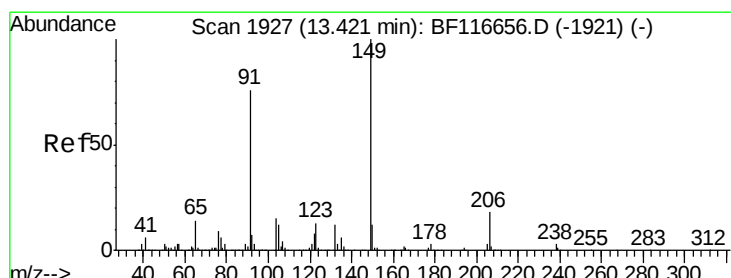
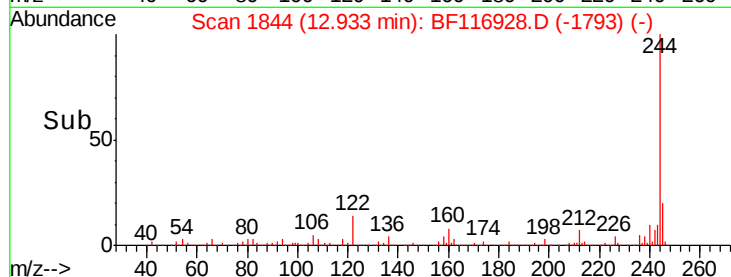
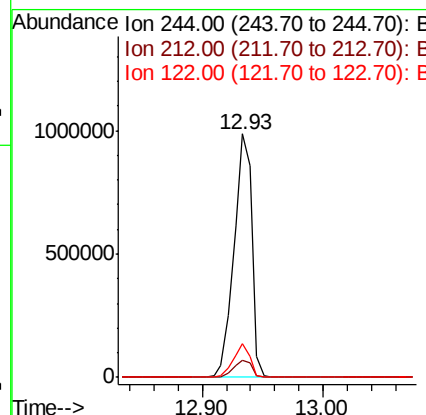
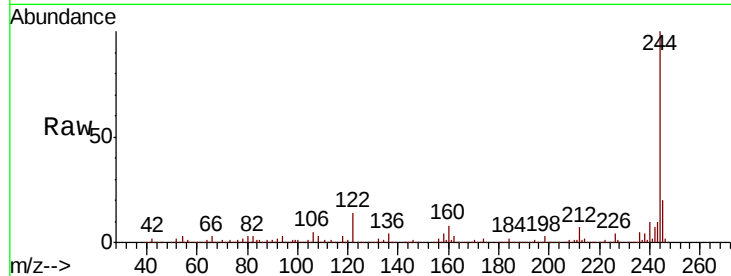




#79
 Terphenyl-d14
 Concen: 100.642 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: BF116928.D
 Acq: 10 Sep 2019 18:27

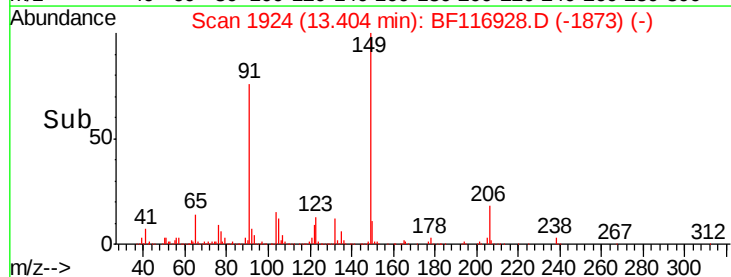
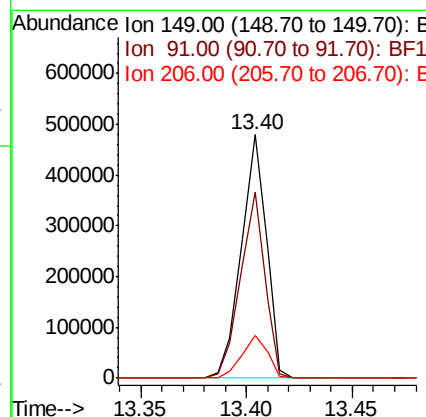
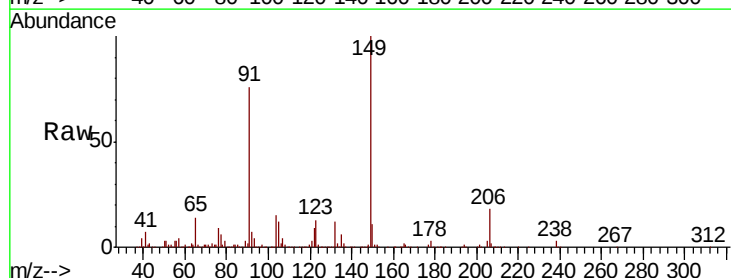
Instrument :
 BNA_F
 ClientSampled :

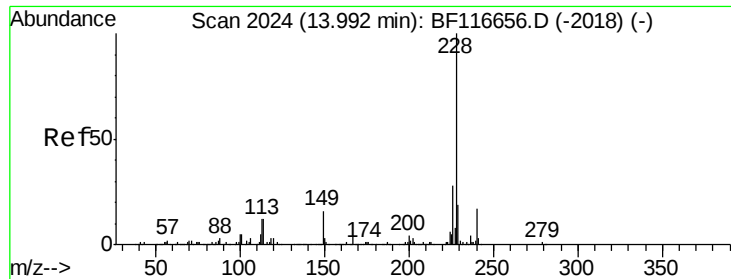
Tot Ion:244 Resp: 1010287
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 14.0 10.2 15.4



#80
 Butylbenzylphthalate
 Concen: 48.933 ng
 RT: 13.40 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: BF116928.D
 Acq: 10 Sep 2019 18:27

Tgt Ion:149 Resp: 392823
 Ion Ratio Lower Upper
 149 100
 91 76.5 61.0 91.4
 206 17.6 14.8 22.2





#81

Benzo(a)anthracene

Concen: 50.489 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Instrument :

BNA_F

ClientSampleId :

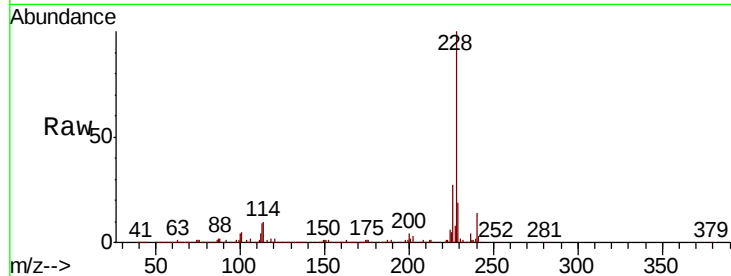
Tot Ion:228 Resp: 593408

Ion Ratio Lower Upper

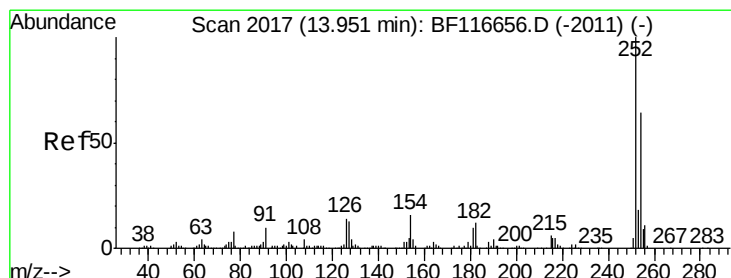
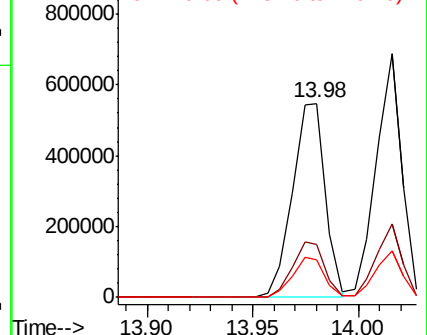
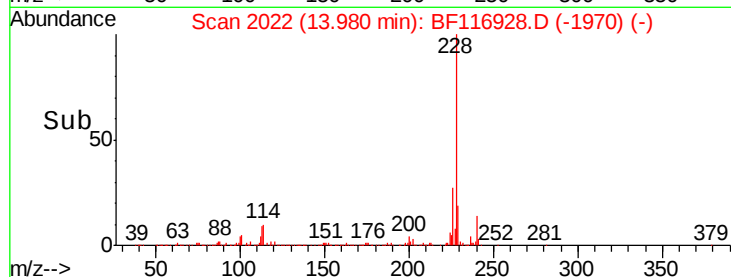
228 100

226 27.4 22.0 33.0

229 19.3 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



#82

3,3'-Dichlorobenzidine

Concen: 15.994 ng

RT: 13.93 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

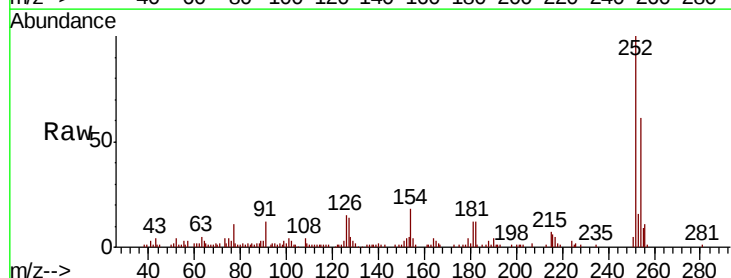
Tgt Ion:252 Resp: 63528

Ion Ratio Lower Upper

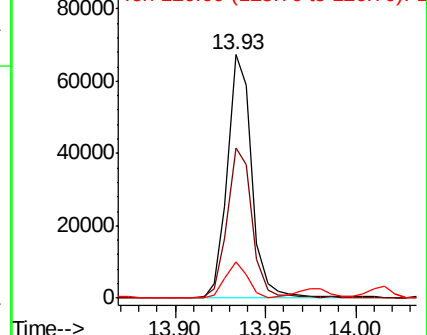
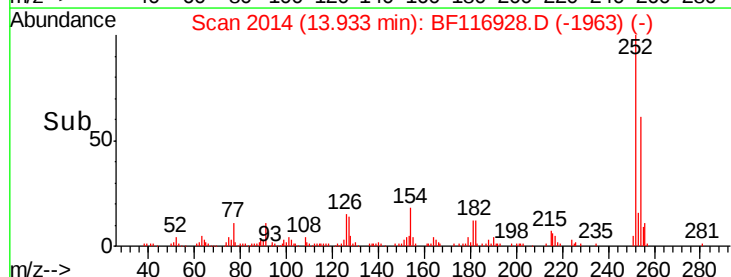
252 100

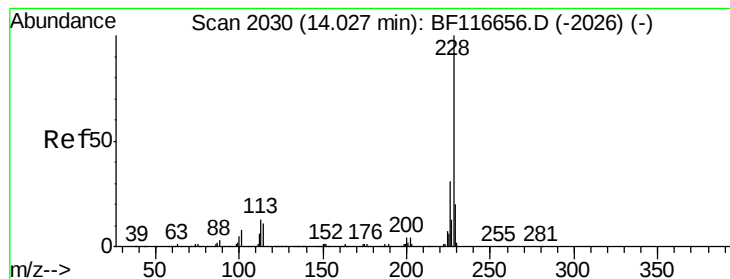
254 61.5 50.1 75.1

126 14.8 10.6 16.0



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: 48.537 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Instrument :

BNA_F

ClientSampleId :

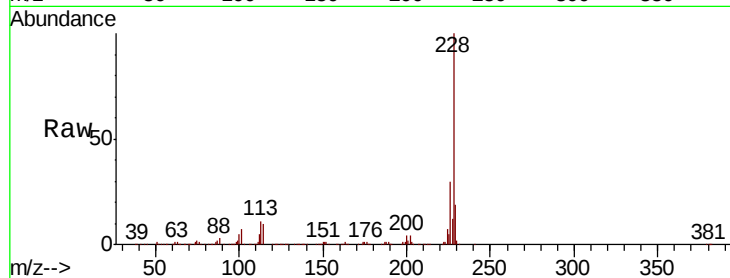
Tot Ion:228 Resp: 587724

Ion Ratio Lower Upper

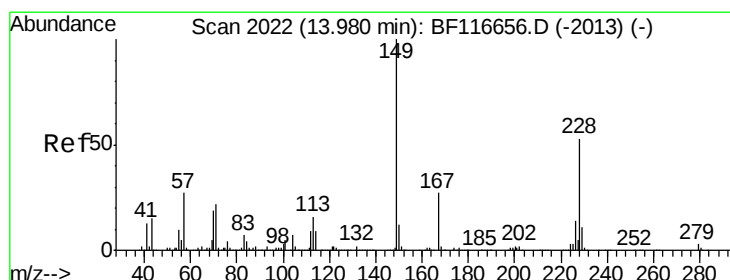
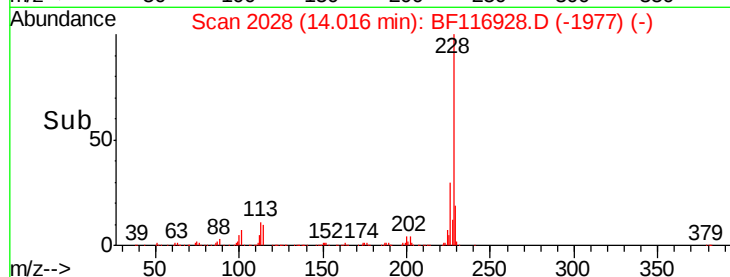
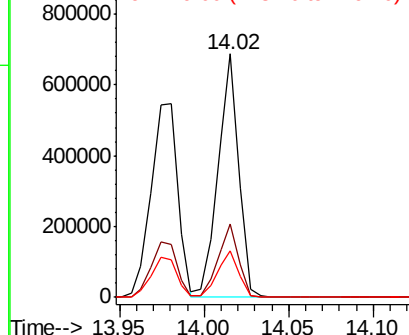
228 100

226 30.3 24.0 36.0

229 19.3 15.4 23.0



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: 55.424 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

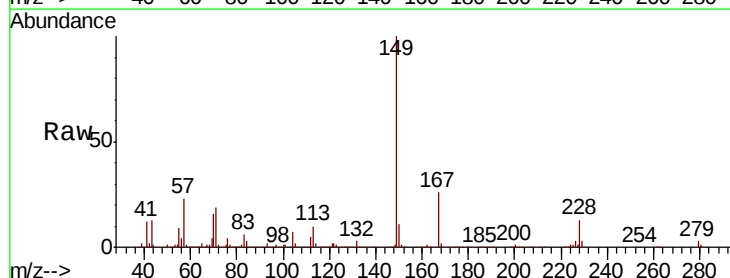
Tgt Ion:149 Resp: 549236

Ion Ratio Lower Upper

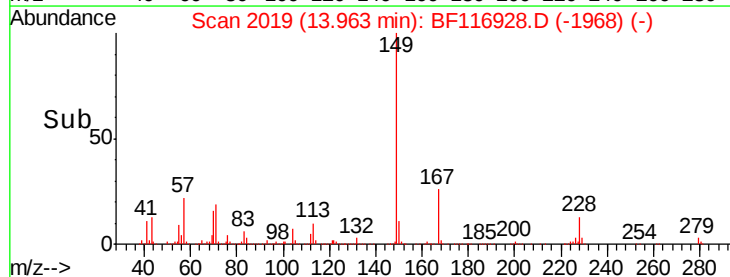
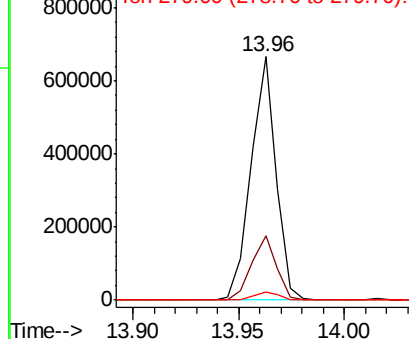
149 100

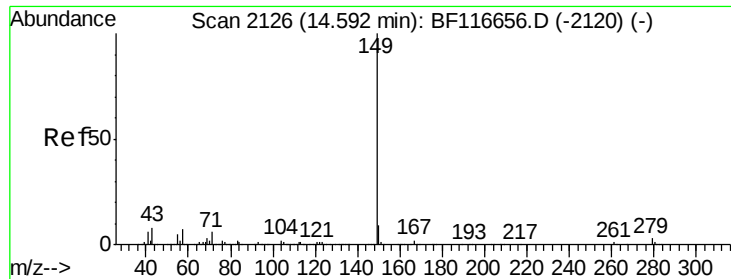
167 26.4 21.0 31.4

279 3.4 2.8 4.2



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: 52.533 ng

RT: 14.57 min Scan# 2122

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:149 Resp: 851924

Ion Ratio Lower Upper

149 100

167 1.6

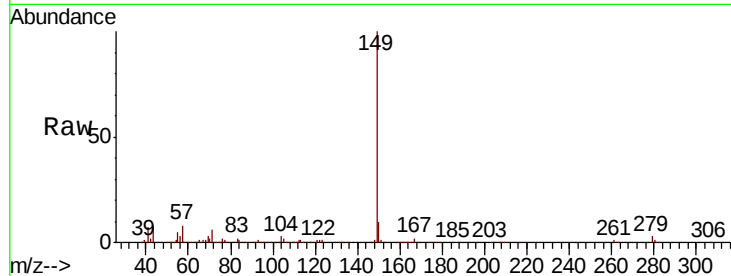
1.3

1.9

43 7.7

7.8

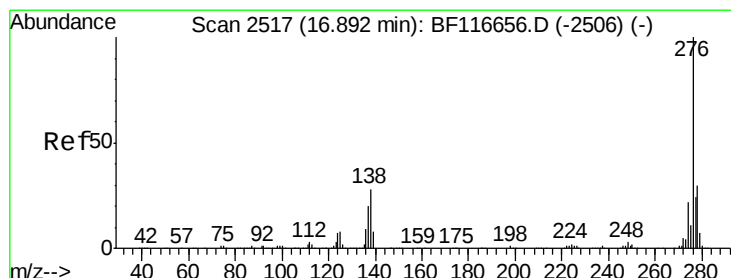
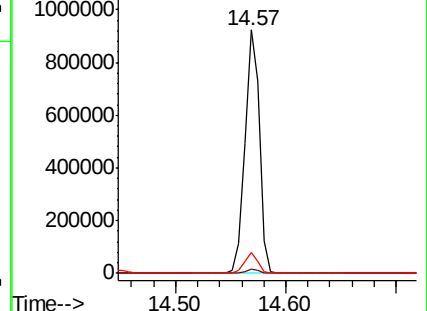
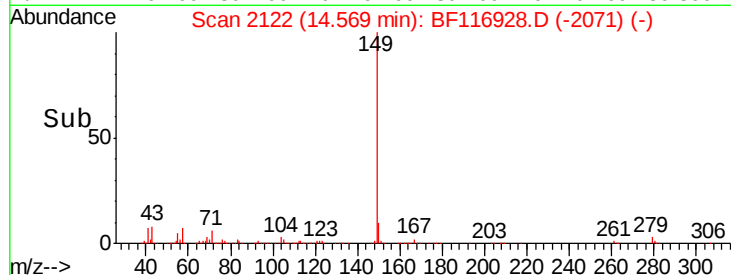
11.8#



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: 52.404 ng

RT: 16.89 min Scan# 2516

Delta R.T. 0.00 min

Lab File: BF116928.D

Acq: 10 Sep 2019 18:27

Tgt Ion:276 Resp: 509680

Ion Ratio Lower Upper

276 100

138 26.0

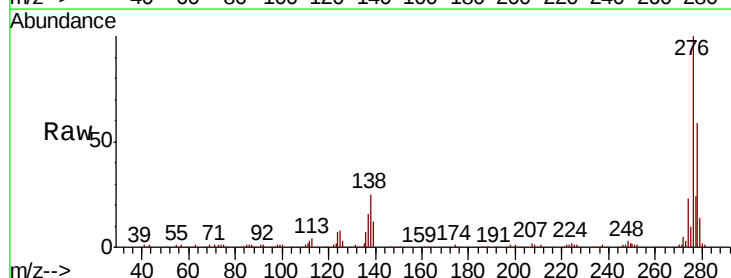
19.4

29.2

277 24.6

20.5

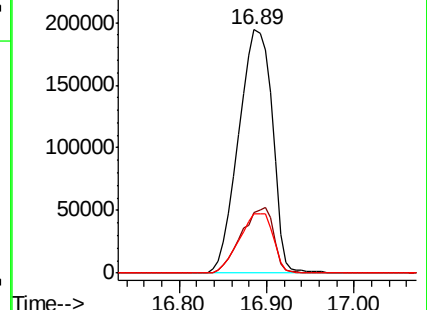
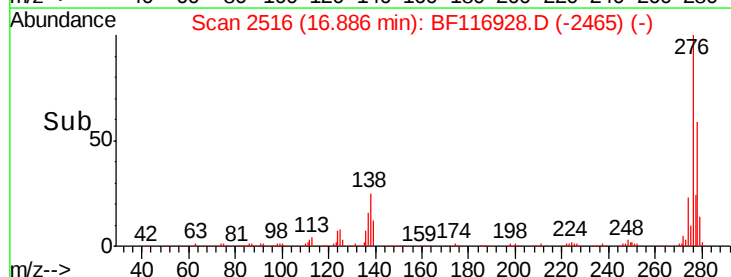
30.7

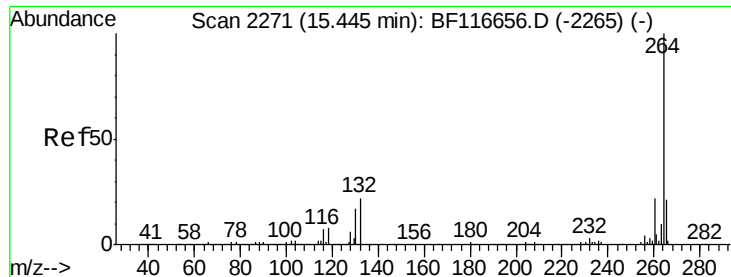


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

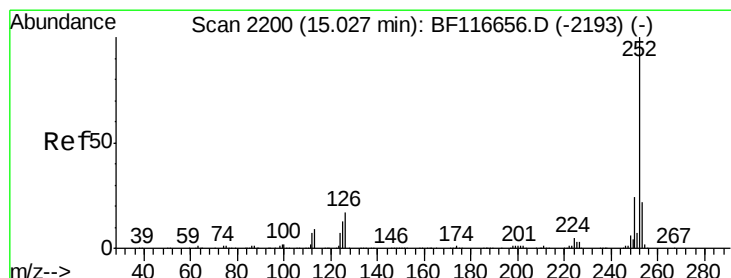
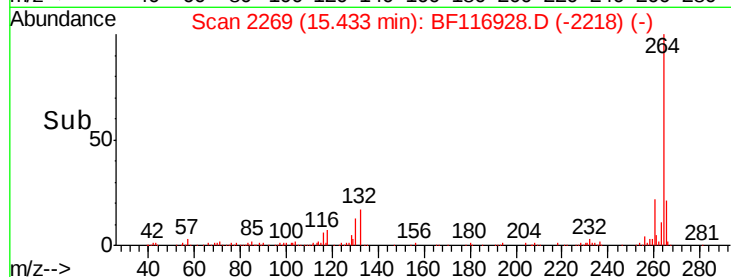
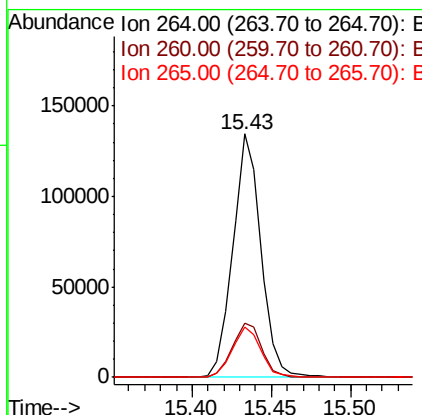
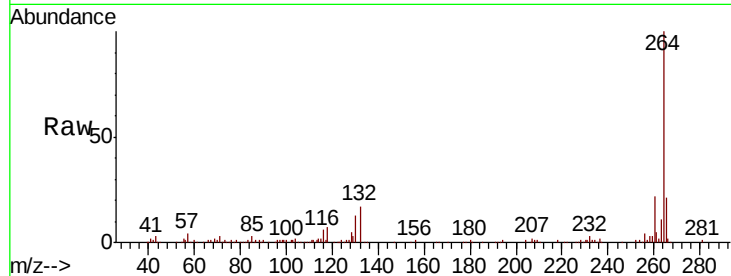




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF116928.D
Acq: 10 Sep 2019 18:27

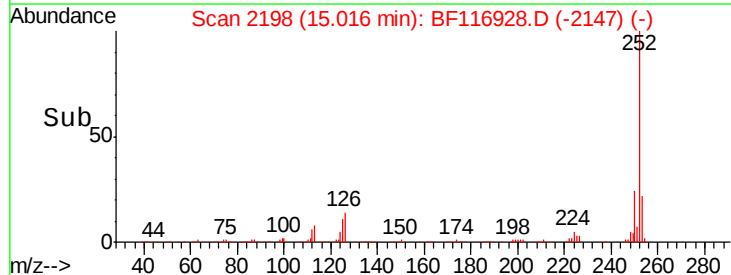
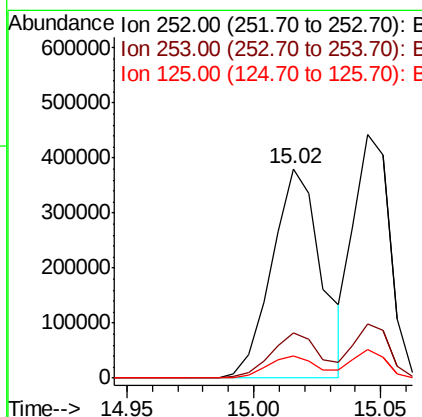
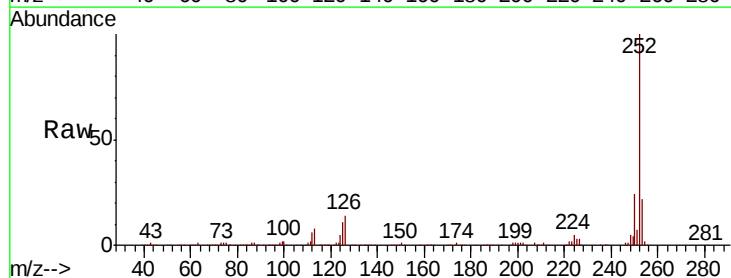
Instrument :
BNA_F
ClientSampleId :

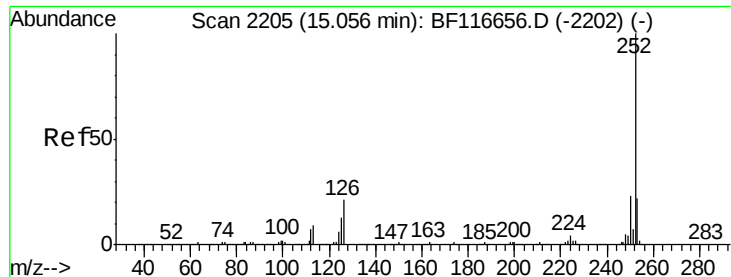
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.3	27.5
265	20.8	16.5	24.7



#88
Benzo(b)fluoranthene
Concen: 52.020 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.00 min
Lab File: BF116928.D
Acq: 10 Sep 2019 18:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	10.7	8.2	12.2

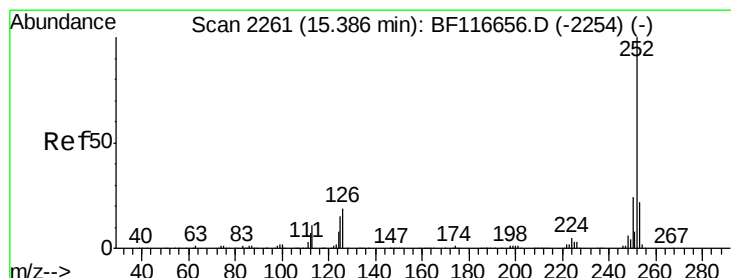
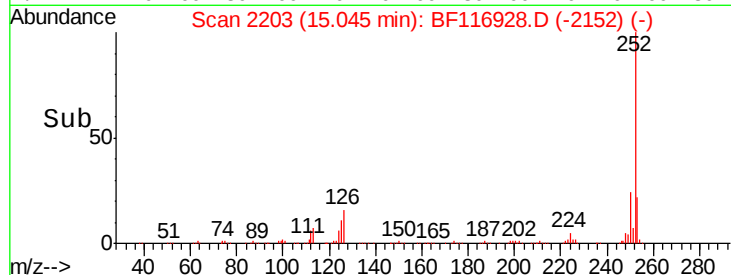
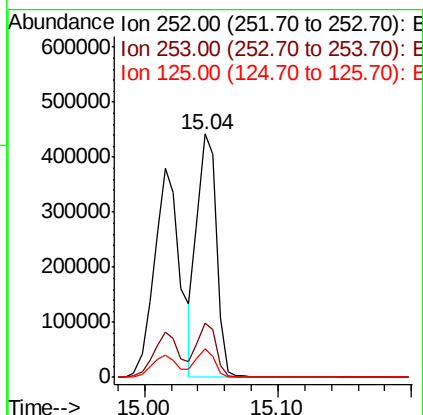
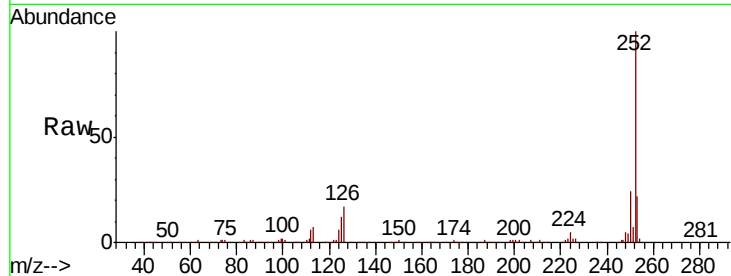




#89
Benzo(k)fluoranthene
Concen: 48.641 ng
RT: 15.04 min Scan# 2203
Delta R.T. 0.00 min
Lab File: BF116928.D
Acq: 10 Sep 2019 18:27

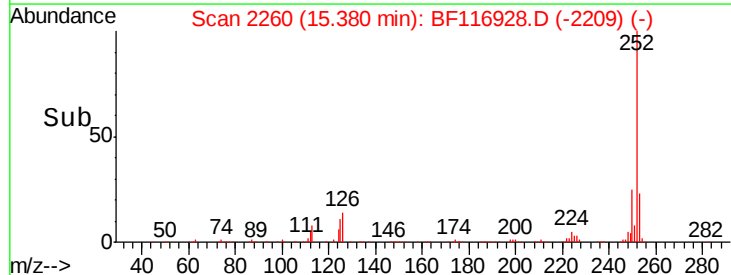
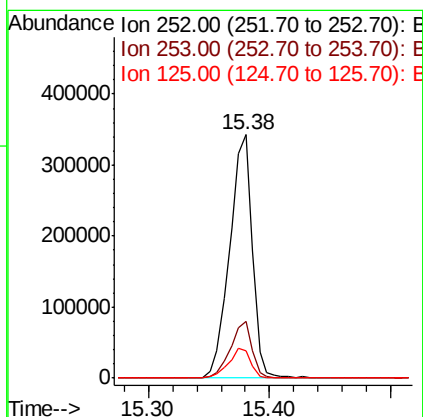
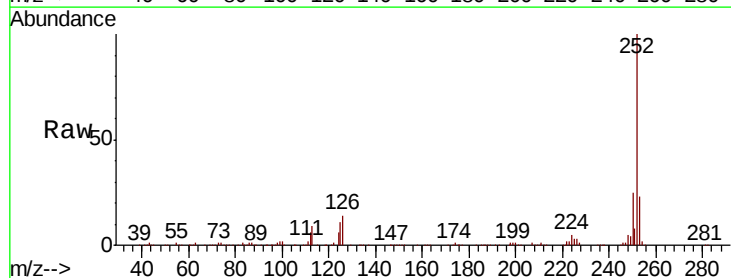
Instrument :
BNA_F
ClientSampled :

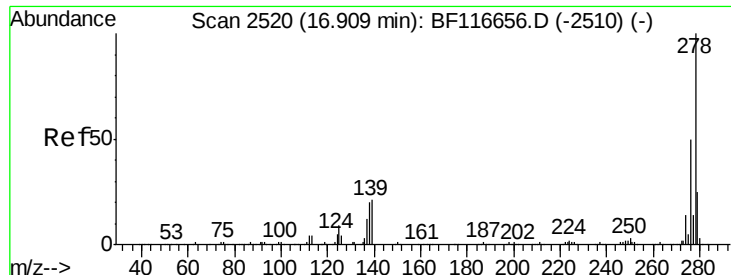
Tot Ion:252 Resp: 441313
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 11.6 8.6 13.0



#90
Benzo(a)pyrene
Concen: 51.781 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.00 min
Lab File: BF116928.D
Acq: 10 Sep 2019 18:27

Tgt Ion:252 Resp: 448288
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 11.3 9.8 14.8

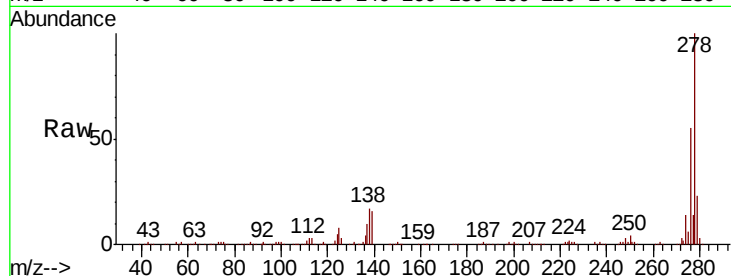




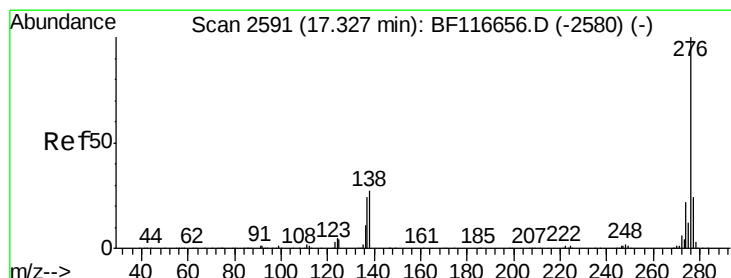
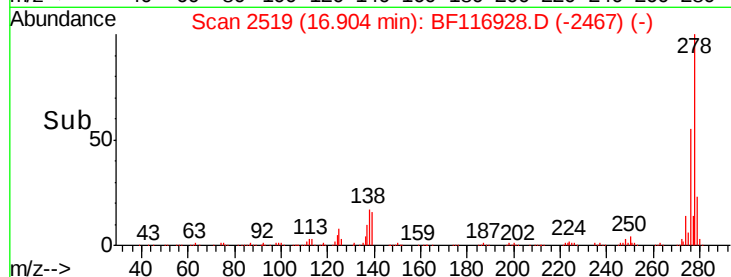
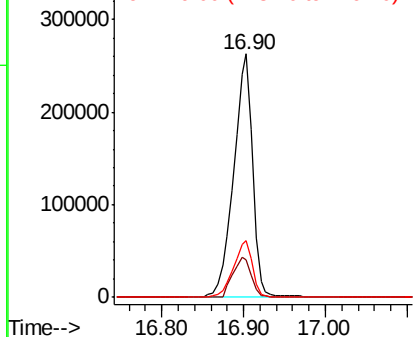
#91
Dibenzo(a,h)anthracene
Concen: 55.976 ng
RT: 16.90 min Scan# 2519
Delta R.T. 0.01 min
Lab File: BF116928.D
Acq: 10 Sep 2019 18:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.6	12.4	18.6
279	23.1	18.2	27.4

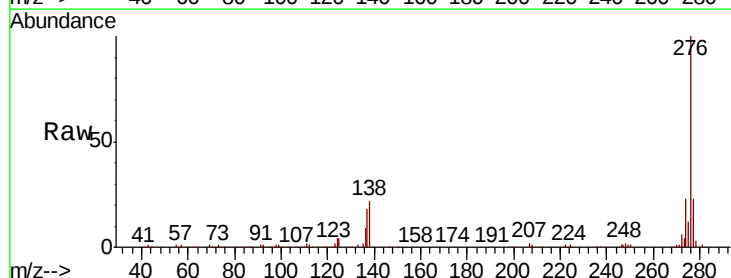


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 55.527 ng
RT: 17.33 min Scan# 2591
Delta R.T. 0.01 min
Lab File: BF116928.D
Acq: 10 Sep 2019 18:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.5	27.7
138	22.1	16.2	24.2



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

