

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012519\
 Data File : BF112243.D
 Acq On : 25 Jan 2019 20:27
 Operator : JU/SJ
 Sample : K1238-41
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S5

Quant Time: Jan 27 23:38:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 25 16:47:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	195927	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	763833	20.00	ng	-0.01
39) Acenaphthene-d10	9.88	164	367130	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	663102	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	391232	20.00	ng	-0.01
87) Perylene-d12	15.46	264	376369	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1413559	153.25	ng	0.00
7) Phenol-d6	6.49	99	1795761	140.10	ng	-0.02
23) Nitrobenzene-d5	7.40	82	1150946	86.82	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	533601	124.87	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	1874361	72.21	ng	-0.01
79) Terphenyl-d14	12.94	244	1702084	81.94	ng	-0.01

Target Compounds

						Qvalue
6) Aniline	6.50	93	527	0.035	ng	# 1
8) 2-Chlorophenol	6.63	128	472	0.038	ng	# 1
9) Benzaldehyde	6.49	77	3176	0.474	ng	# 1
10) Phenol	6.50	94	18248	1.298	ng	# 83
11) bis(2-Chloroethyl)ether	6.62	93	2120	0.191	ng	# 1
15) Benzyl Alcohol	7.00	79	18032	1.669	ng	# 44
16) 2,2'-oxybis(1-Chloropropan	6.87	45	115	0.008	ng	# 63
19) n-Nitroso-di-n-propylamine	7.40	70	154361	17.465	ng	# 77
22) Acetophenone	7.25	105	120	0.006	ng	# 50
24) Nitrobenzene	7.40	77	3337	0.252	ng	# 31
25) Isophorone	7.40	82	1135692	54.610	ng	# 63
28) bis(2-Chloroethoxy)methane	8.12	93	106	0.007	ng	# 1
31) Naphthalene	8.15	128	1026	0.029	ng	# 67
32) Benzoic acid	8.12	122	147	0.026	ng	# 1
37) 2-Methylnaphthalene	8.84	142	111	0.005	ng	# 74
38) 1-Methylnaphthalene	8.94	142	257	0.011	ng	# 7
46) 1,1'-Biphenyl	9.30	154	3844	0.120	ng	# 99
47) 2-Chloronaphthalene	9.60	162	317	0.013	ng	# 1
48) 2-Nitroaniline	9.59	65	1968	0.290	ng	# 1
49) Acenaphthylene	9.91	152	1111	0.030	ng	# 1
50) Dimethylphthalate	9.59	163	215850	7.567	ng	# 99
51) 2,6-Dinitrotoluene	9.59	165	2434	0.381	ng	# 1
52) Acenaphthene	9.91	154	2074	0.095	ng	# 97
55) Dibenzofuran	10.09	168	1515	0.045	ng	# 70
56) 4-Nitrophenol	10.09	139	598	0.163	ng	# 12
57) 2,4-Dinitrotoluene	9.88	165	46554	5.724	ng	# 32
58) Fluorene	10.43	166	1398	0.056	ng	# 73
60) Diethylphthalate	10.29	149	1845	0.065	ng	# 81
63) Azobenzene	10.57	77	514	0.021	ng	# 49
65) 4,6-Dinitro-2-methylphenol	10.67	198	939	0.253	ng	# 1
66) n-Nitrosodiphenylamine	10.67	169	15629	0.699	ng	# 42
67) 4-Bromophenyl-phenylether	10.67	248	33648	4.314	ng	# 1
71) Phenanthrene	11.39	178	14254	0.413	ng	# 96
72) Anthracene	11.44	178	3428	0.100	ng	# 97

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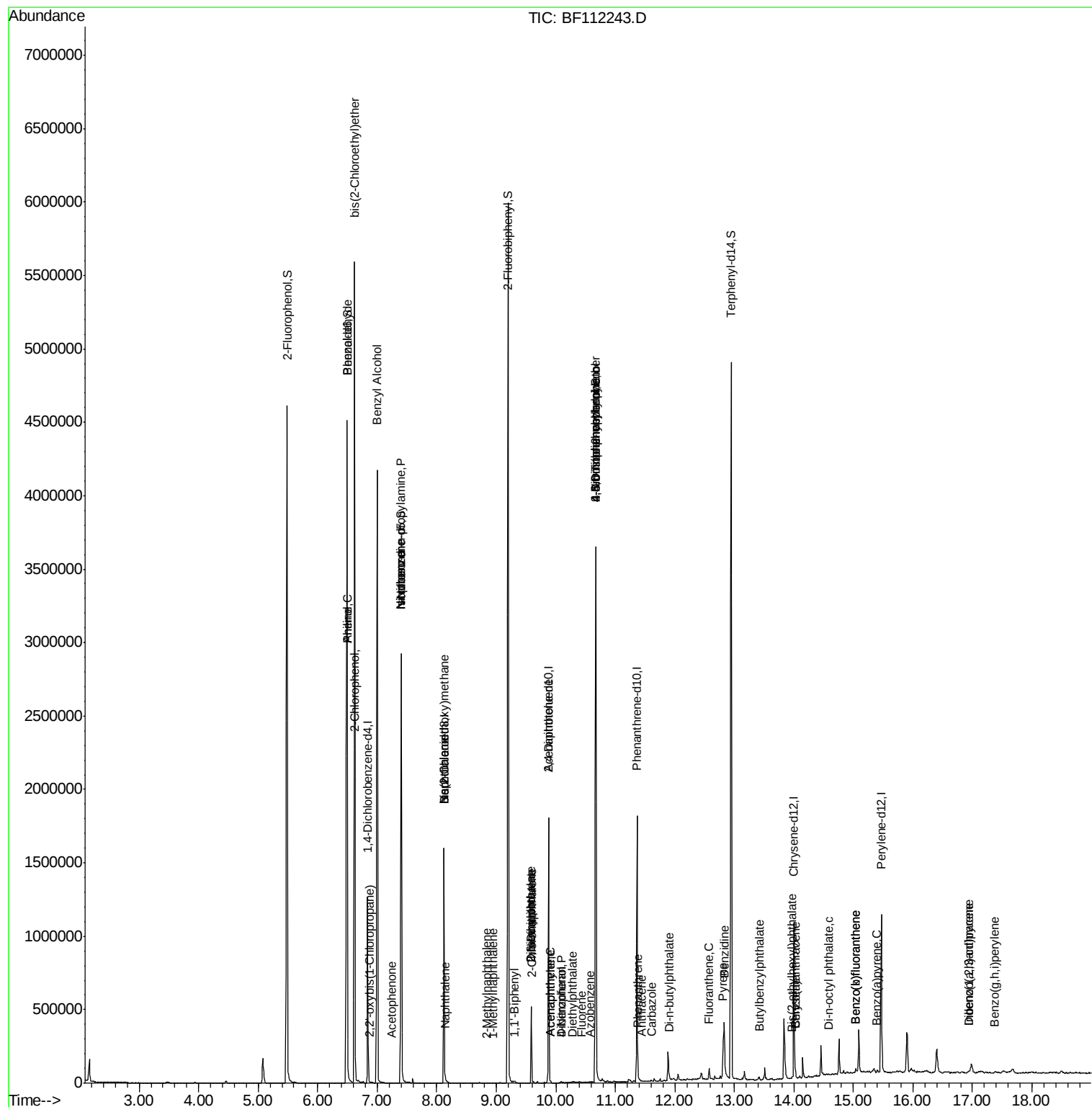
73) Carbazole	11.60	167	2296	0.068	ng	# 82
74) Di-n-butylphthalate	11.92	149	4592	0.109	ng	# 95
75) Fluoranthene	12.57	202	29937	0.810	ng	95
77) Benzidine	12.83	184	1818	0.169	ng	# 1
78) Pyrene	12.80	202	23736	0.876	ng	95
80) Butylbenzylphthalate	13.41	149	943	0.072	ng	# 78
81) Benzo(a)anthracene	14.03	228	12103	0.526	ng	97
83) Chrysene	14.03	228	12103	0.551	ng	99
84) Bis(2-ethylhexyl)phthalate	13.97	149	5161	0.277	ng	# 96
85) Di-n-octyl phthalate	14.59	149	872	0.030	ng	# 1
86) Indeno(1,2,3-cd)pyrene	16.94	276	6664	0.383	ng	# 94
88) Benzo(b)fluoranthene	15.04	252	19026	0.845	ng	# 94
89) Benzo(k)fluoranthene	15.04	252	19026	0.882	ng	# 95
90) Benzo(a)pyrene	15.40	252	8447	0.417	ng	# 78
91) Dibenzo(a,h)anthracene	16.94	278	1827	0.112	ng	# 18
92) Benzo(g,h,i)perylene	17.39	276	6121	0.397	ng	94

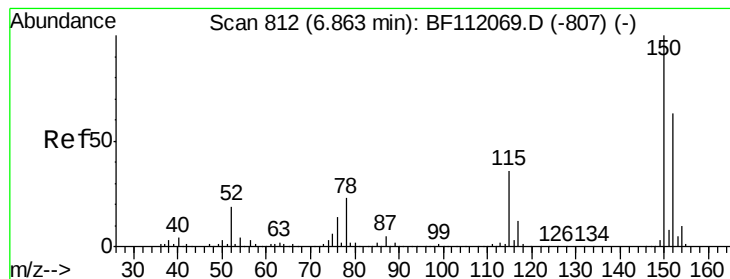
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.84 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF112243.D

Acq: 25 Jan 2019 20:27

Instrument :

BNA_F

ClientSampleId :

S5

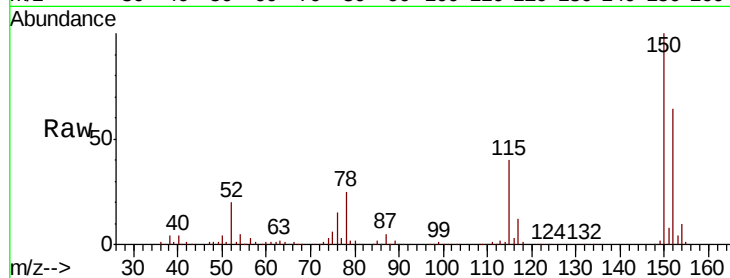
Tgt Ion:152 Resp: 195927

Ion Ratio Lower Upper

152 100

150 156.6 127.4 191.0

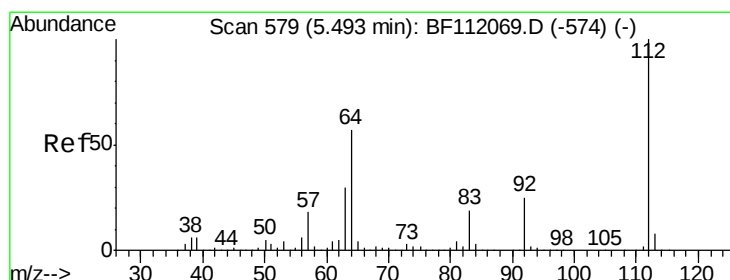
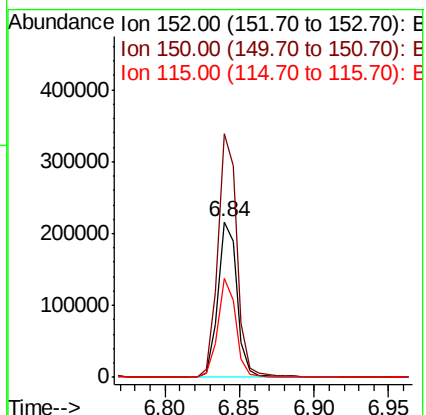
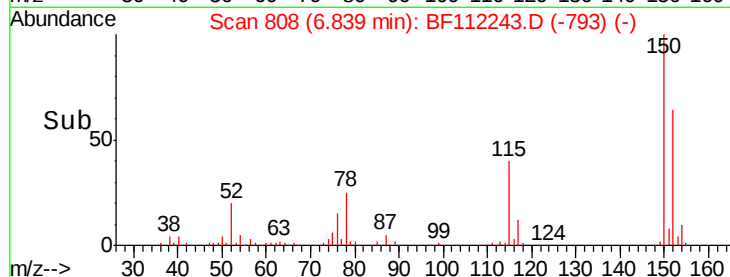
115 63.3 45.5 68.3



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



#5

2-Fluorophenol

Concen: 153.245 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.01 min

Lab File: BF112243.D

Acq: 25 Jan 2019 20:27

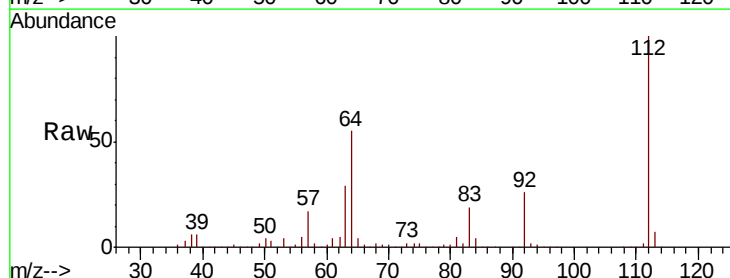
Tgt Ion:112 Resp: 1413559

Ion Ratio Lower Upper

112 100

64 54.6 45.7 68.5

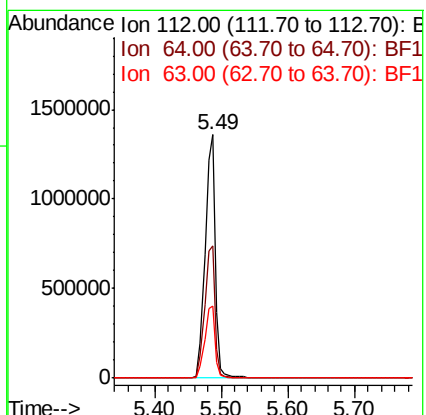
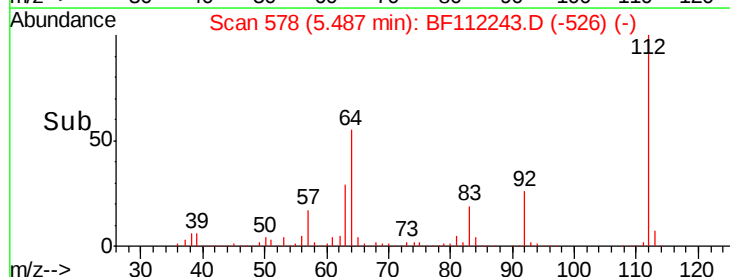
63 29.4 23.6 35.4

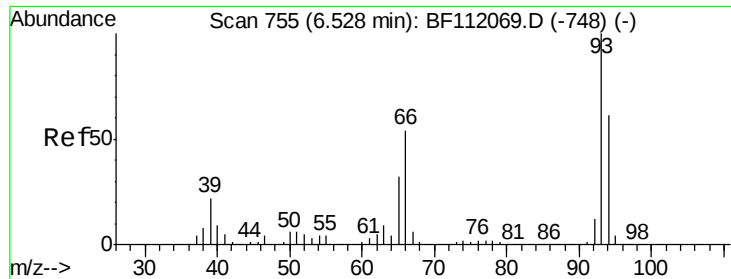


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#6

Aniline

Concen: 0.035 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.02 min

Lab File: BF112243.D

Acq: 25 Jan 2019 20:27

Instrument :

BNA_F

ClientSampled :

S5

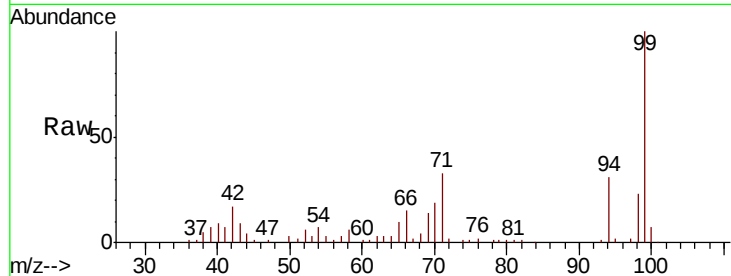
Tgt Ion: 93 Resp: 527

Ion Ratio Lower Upper

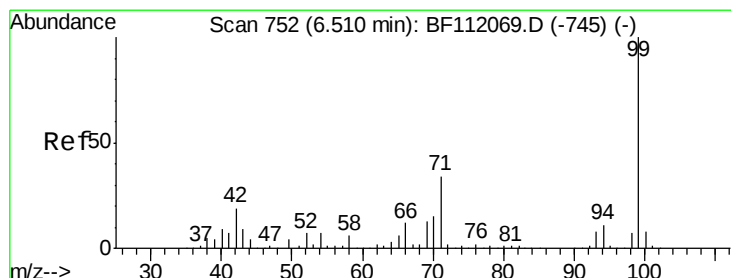
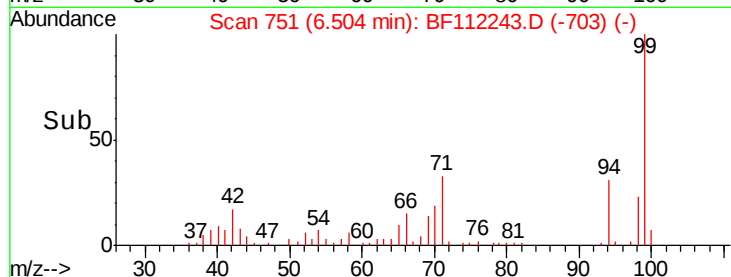
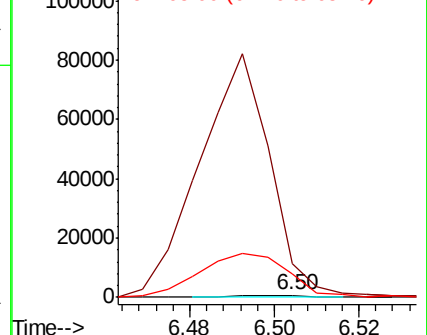
93 100

66 1779.9 43.4 65.2#

65 1190.7 25.3 37.9#



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: 140.103 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF112243.D

Acq: 25 Jan 2019 20:27

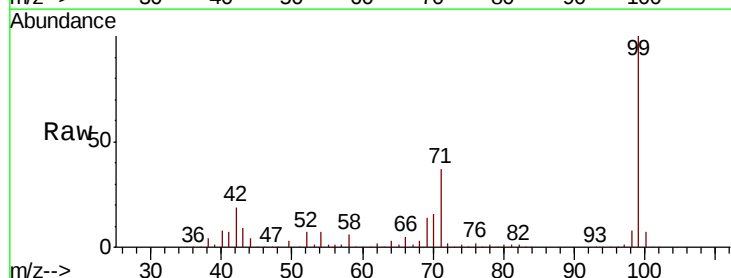
Tgt Ion: 99 Resp: 1795761

Ion Ratio Lower Upper

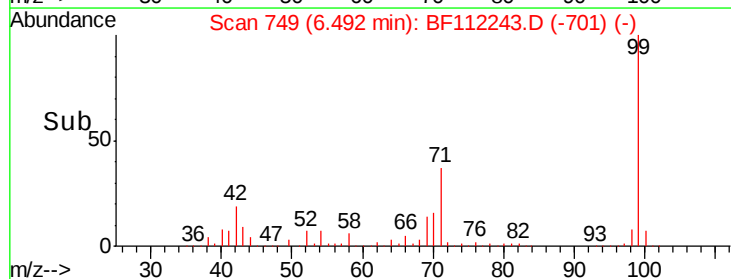
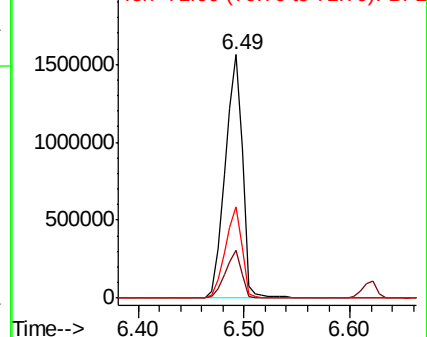
99 100

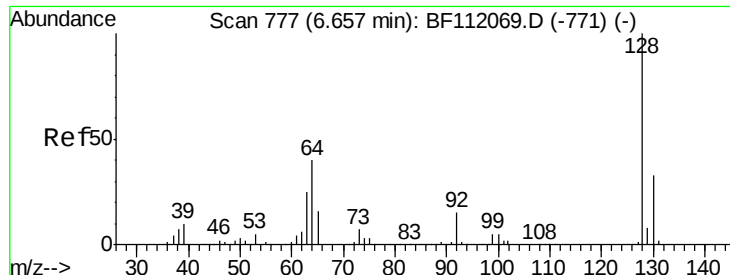
42 19.4 15.1 22.7

71 37.5 26.9 40.3



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: 0.038 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF112243.D

Acq: 25 Jan 2019 20:27

Instrument :

BNA_F

ClientSampled :

S5

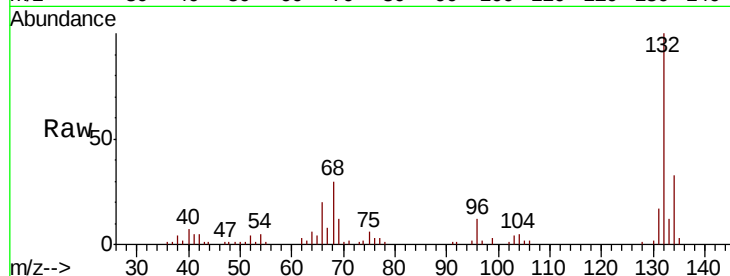
Tgt Ion:128 Resp: 472

Ion Ratio Lower Upper

128 100

130 151.6 13.4 53.4#

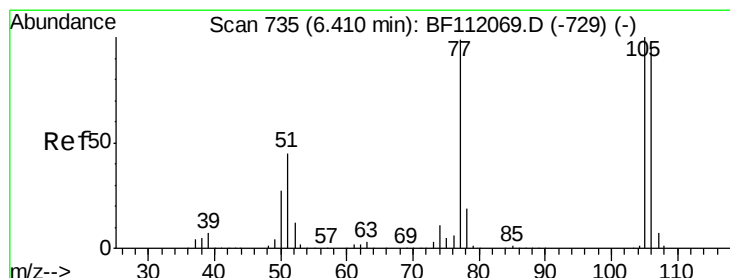
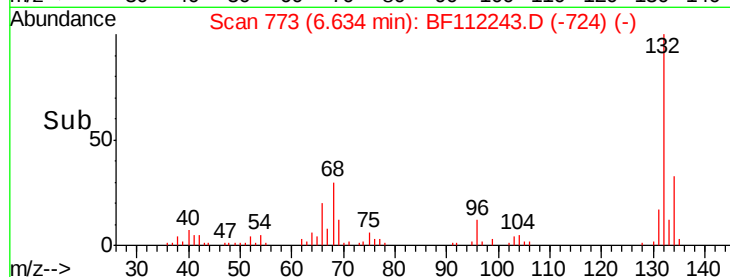
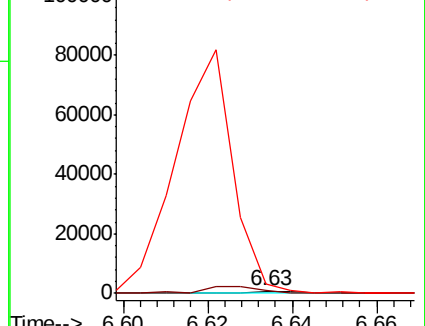
64 477.1 20.5 60.5#



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: 0.474 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.09 min

Lab File: BF112243.D

Acq: 25 Jan 2019 20:27

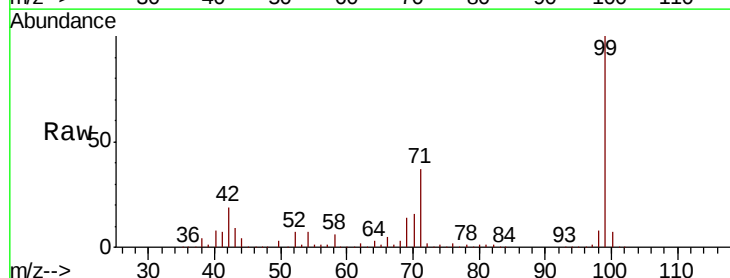
Tgt Ion: 77 Resp: 3176

Ion Ratio Lower Upper

77 100

105 0.0 80.8 120.8#

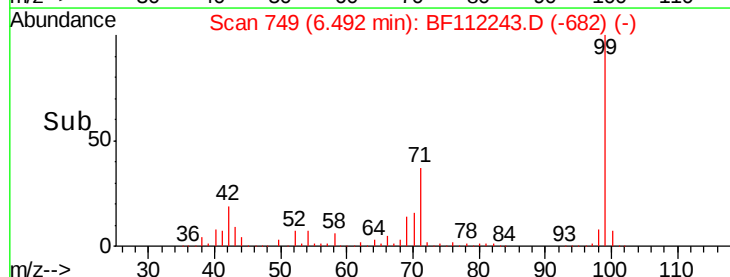
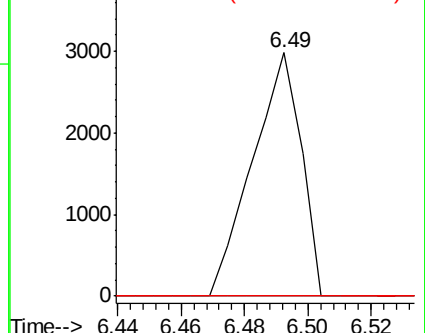
106 0.0 75.7 115.7#

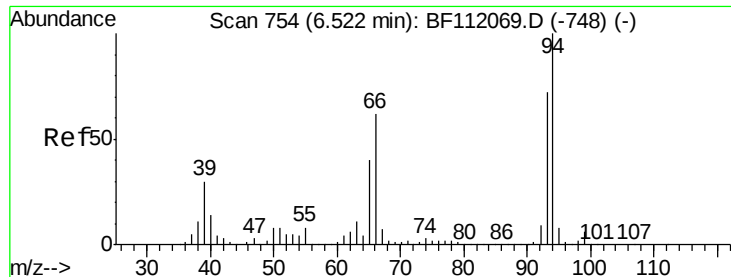


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 1.298 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.02 min

Lab File: BF112243.D

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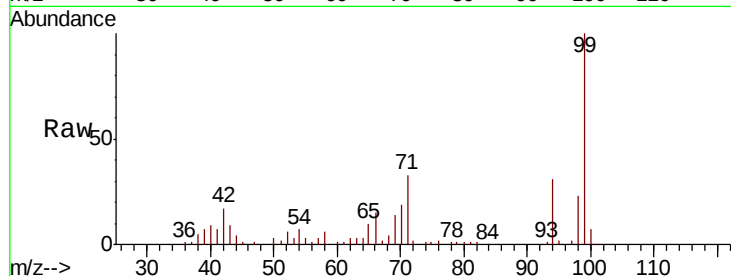
Tgt Ion: 94 Resp: 18248

Ion Ratio Lower Upper

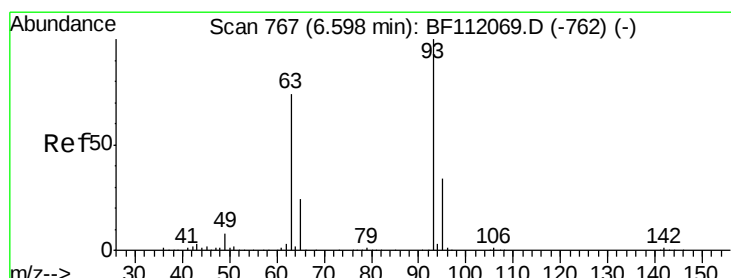
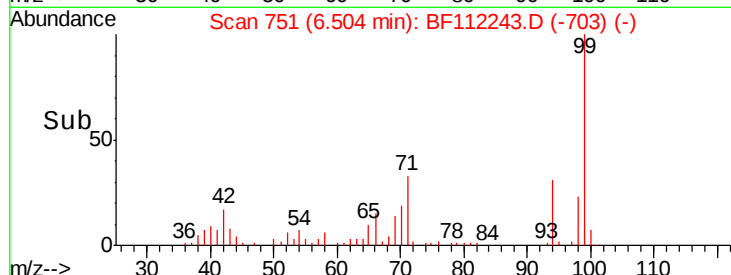
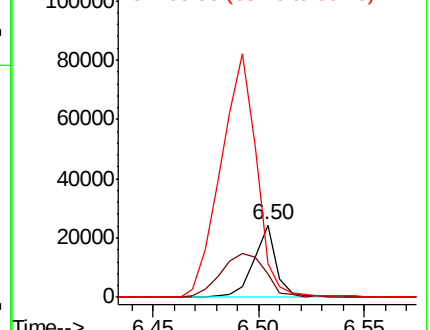
94 100

65 31.6 20.3 60.3

66 47.2 42.4 82.4



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: 0.191 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.03 min

Lab File: BF112243.D

Acq: 25 Jan 2019 20:27

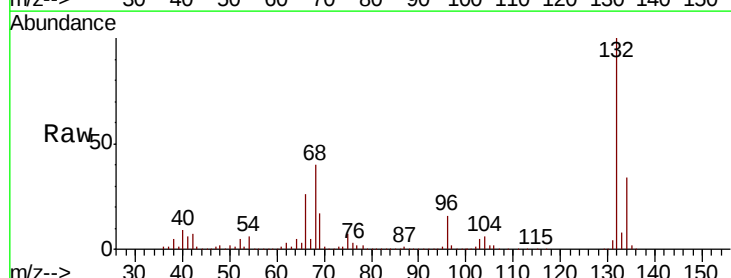
Tgt Ion: 93 Resp: 2120

Ion Ratio Lower Upper

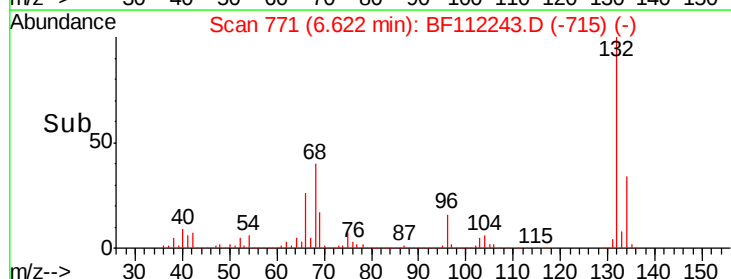
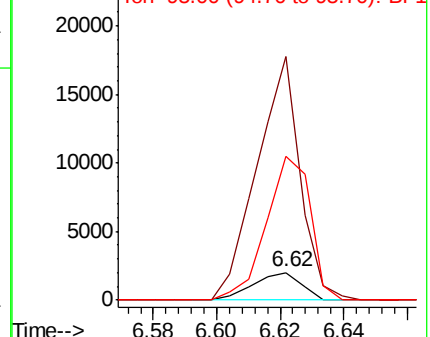
93 100

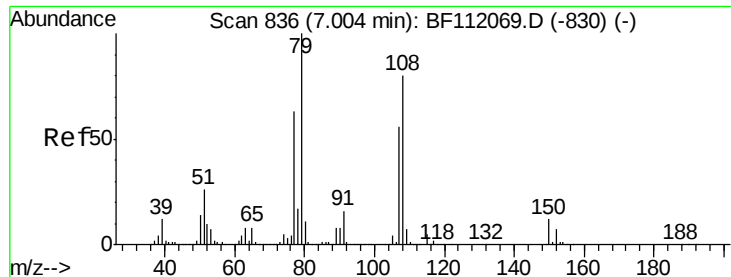
63 874.0 53.3 93.3#

95 518.0 13.4 53.4#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1





#15

Benzyl Alcohol

Concen: 1.669 ng

RT: 7.00 min Scan# 835

Delta R.T. -0.01 min

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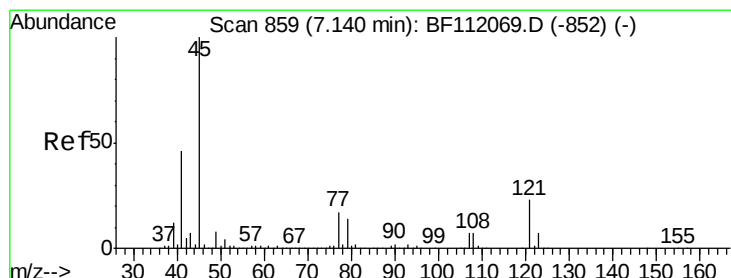
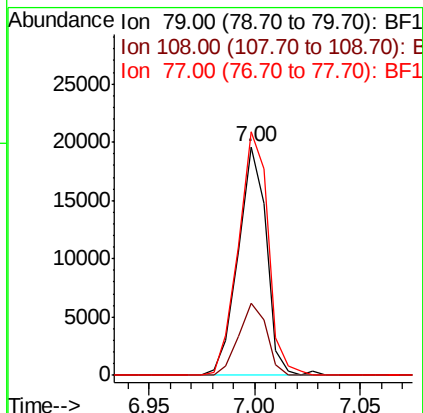
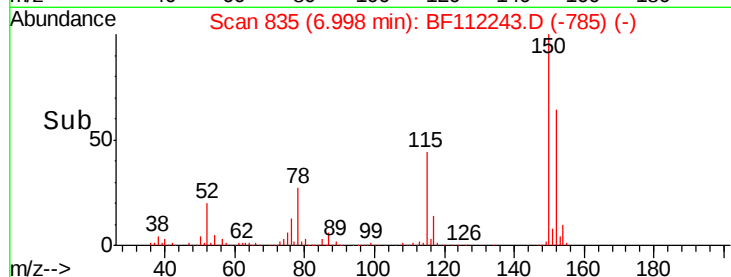
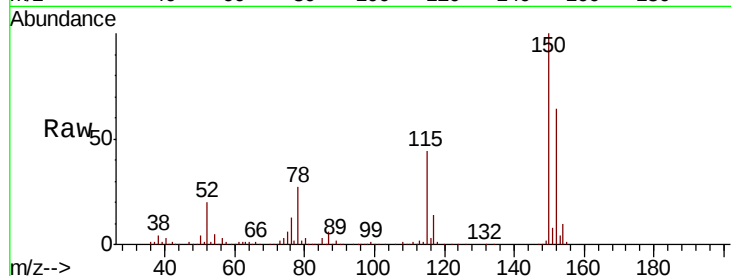
Tgt Ion: 79 Resp: 18032

Ion Ratio Lower Upper

79 100

108 31.5 64.2 96.2#

77 106.6 50.3 75.5#



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.008 ng

RT: 6.87 min Scan# 814

Delta R.T. -0.25 min

Lab File: BF112243.D

Acq: 25 Jan 2019 20:27

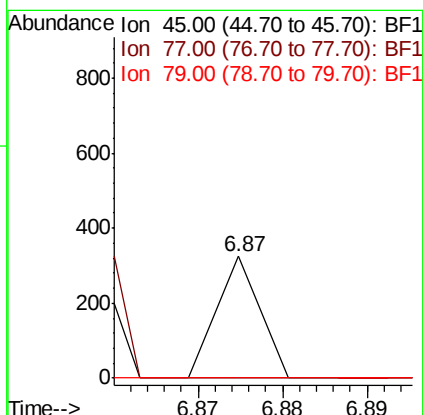
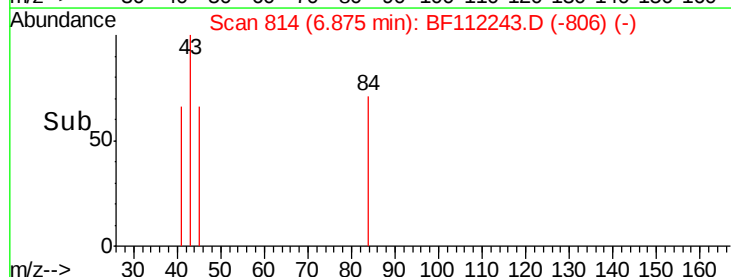
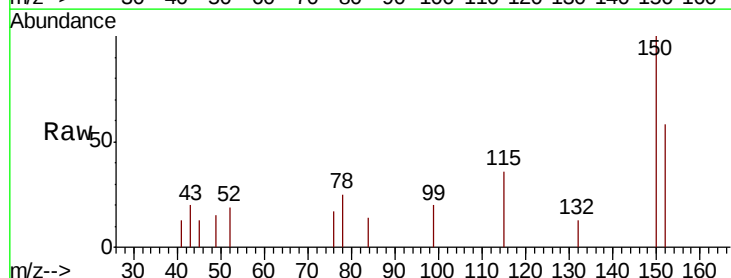
Tgt Ion: 45 Resp: 115

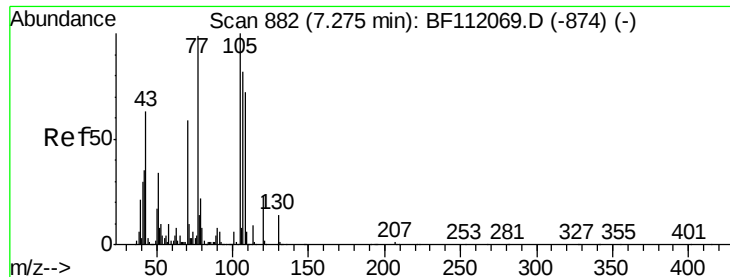
Ion Ratio Lower Upper

45 100

77 0.0 0.0 36.9

79 0.0 0.0 34.0

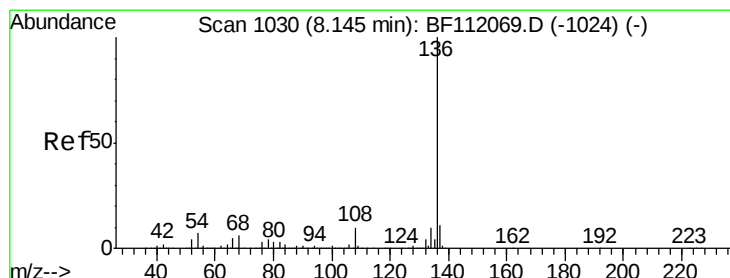
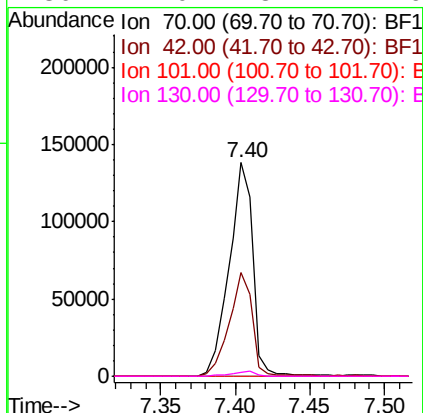
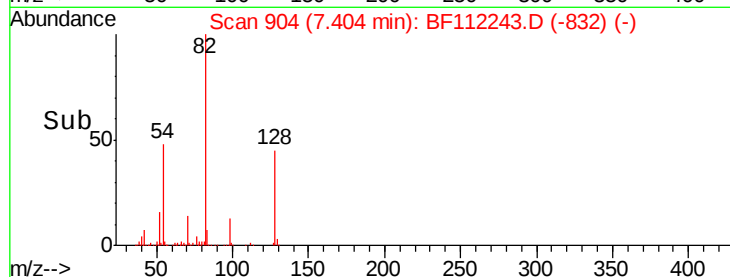
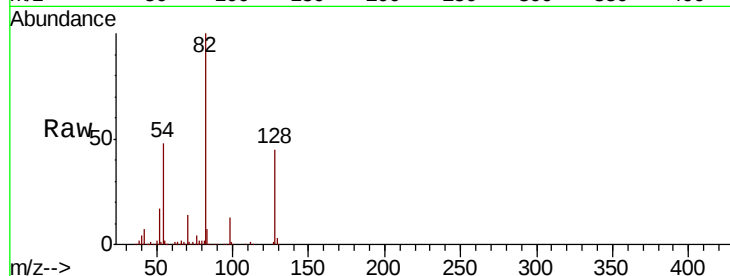




#19
n-Nitroso-di-n-propylamine
Concen: 17.465 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.12 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

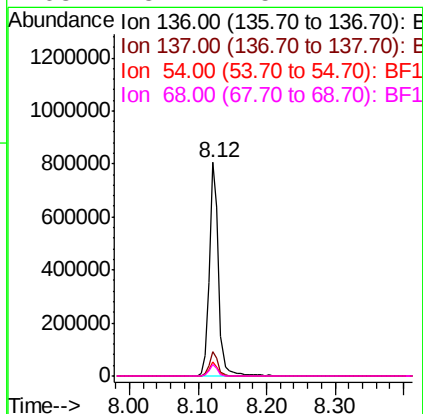
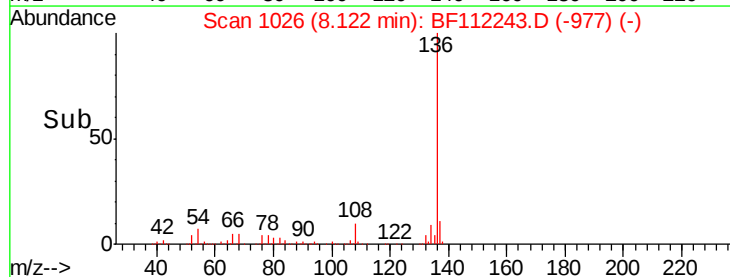
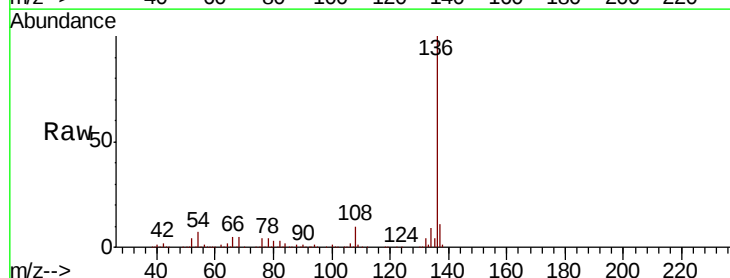
Instrument :
BNA_F
ClientSampleId :
S5

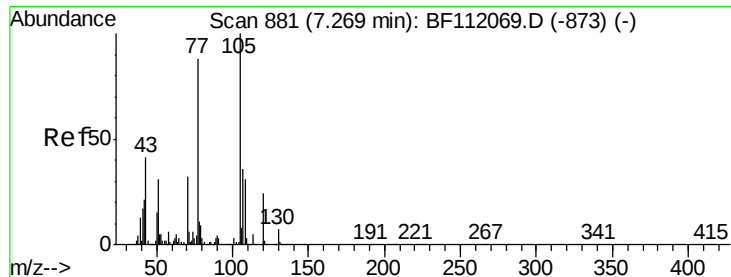
Tgt Ion: 70 Resp: 154361
Ion Ratio Lower Upper
70 100
42 48.4 47.6 71.4
101 0.0 7.9 11.9#
130 2.0 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

Tgt Ion: 136 Resp: 763833
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 6.9 5.9 8.9
68 5.2 5.1 7.7

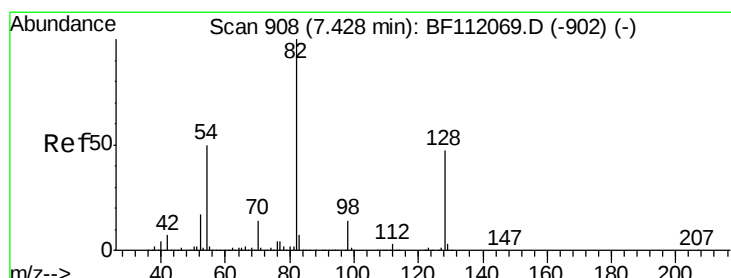
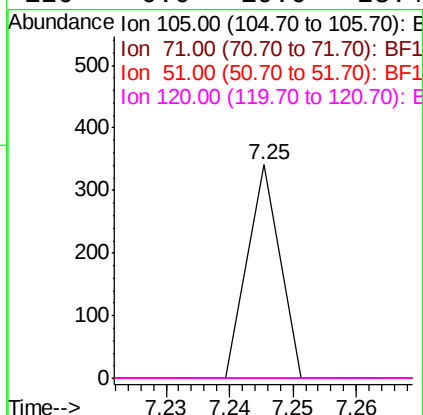
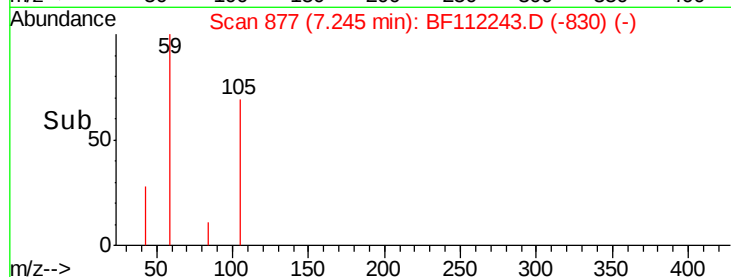
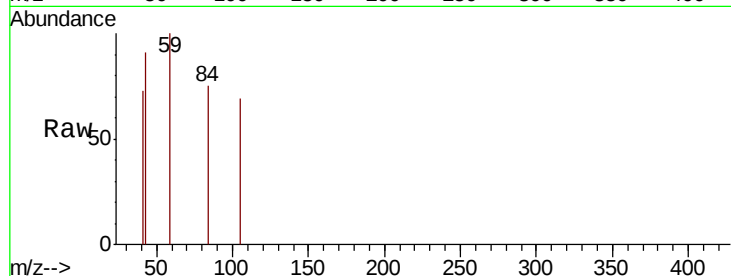




#22
Acetophenone
Concen: 0.006 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.02 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

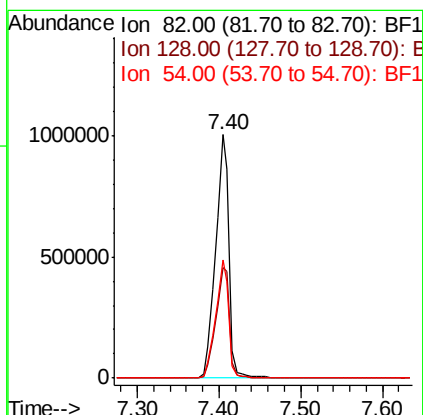
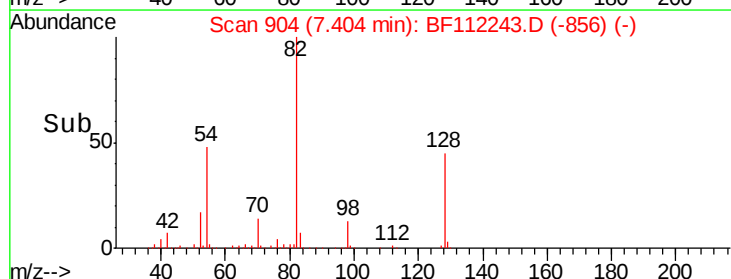
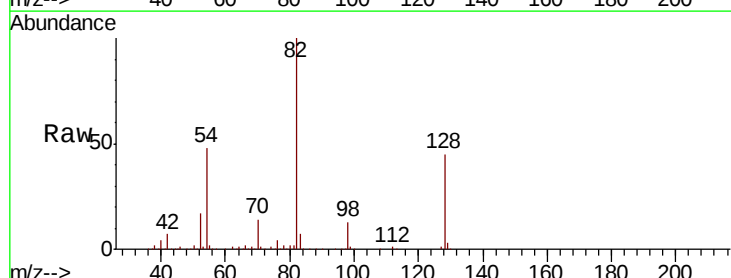
Instrument :
BNA_F
ClientSampleId :
S5

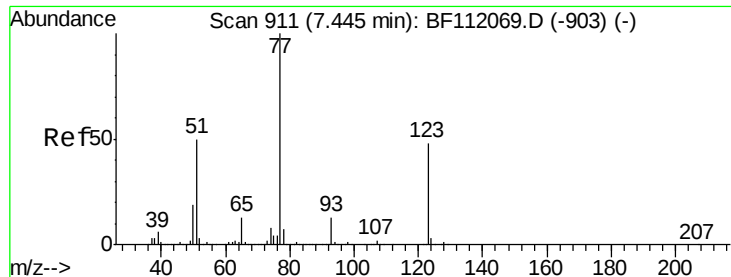
Tgt Ion: 105 Resp: 120
Ion Ratio Lower Upper
105 100
71 0.0 4.6 6.8#
51 0.0 25.0 37.6#
120 0.0 19.0 28.4#



#23
Nitrobenzene-d5
Concen: 86.822 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.02 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

Tgt Ion: 82 Resp: 1150946
Ion Ratio Lower Upper
82 100
128 45.2 37.8 56.8
54 48.5 39.7 59.5

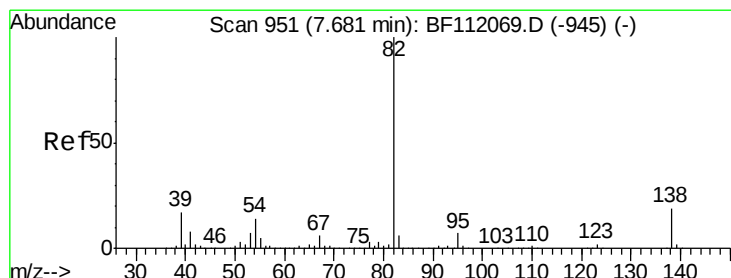
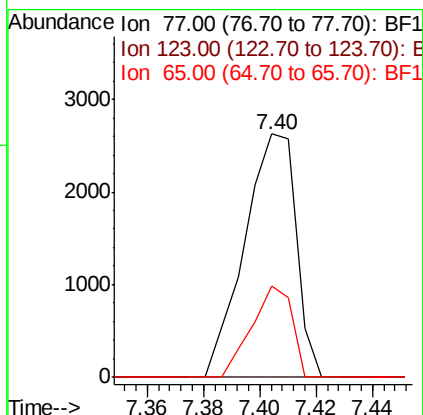
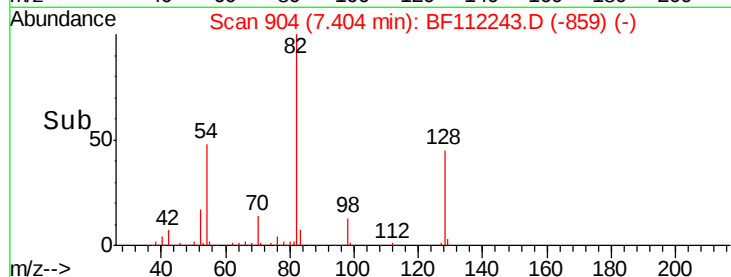
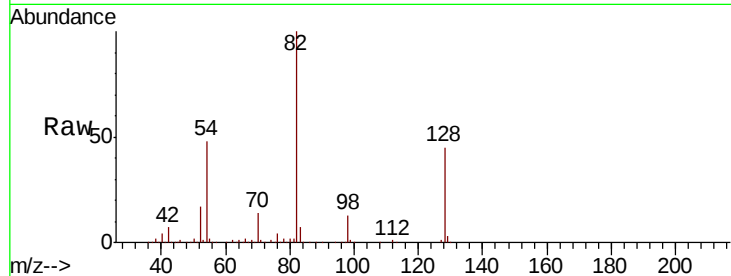




#24
Nitrobenzene
Concen: 0.252 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.04 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

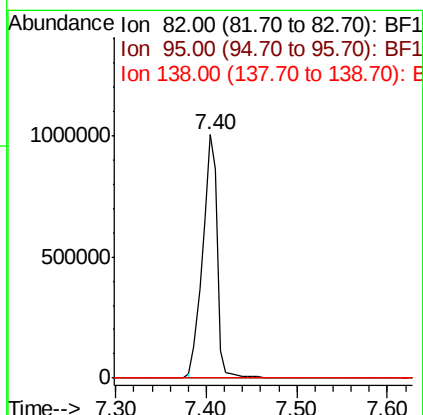
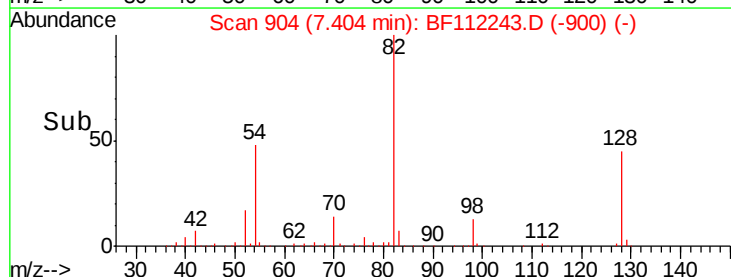
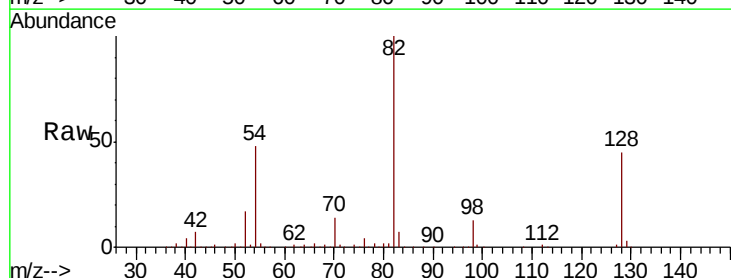
Instrument :
BNA_F
ClientSampleId :
S5

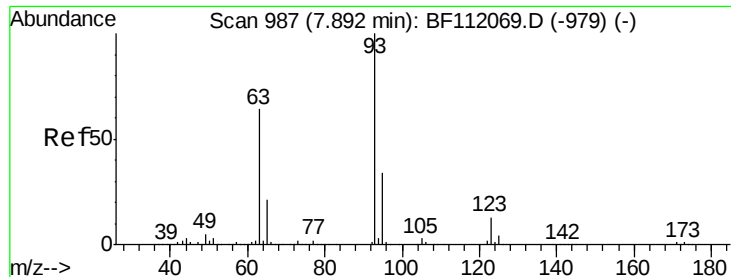
Tgt Ion: 77 Resp: 3337
Ion Ratio Lower Upper
77 100
123 0.0 38.4 57.6#
65 37.3 10.6 15.8#



#25
Isophorone
Concen: 54.610 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.28 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

Tgt Ion: 82 Resp: 1135692
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.4 23.0#

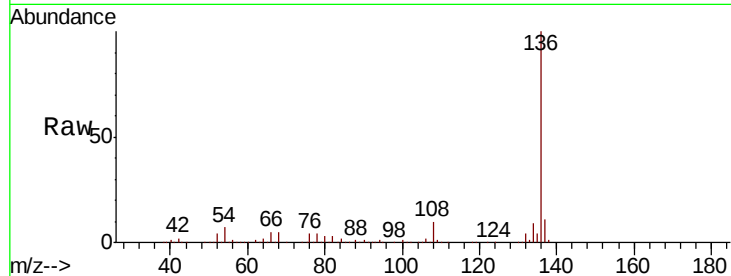




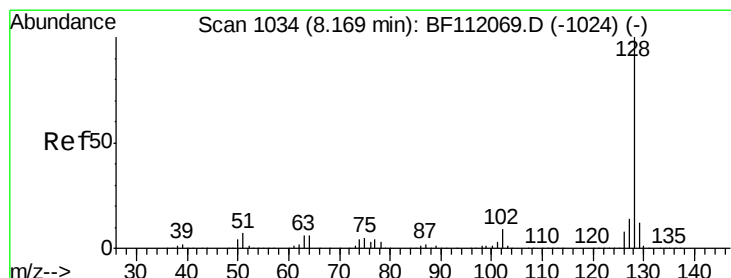
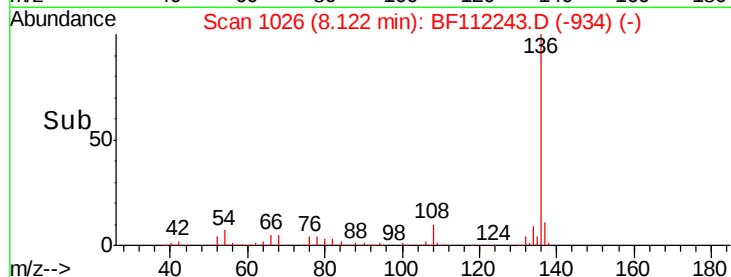
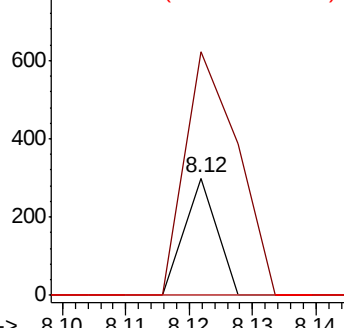
#28
bis(2-Chloroethoxy)methane
Concen: 0.007 ng
RT: 8.12 min Scan# 1026
Delta R.T. 0.24 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

Instrument :
BNA_F
ClientSampleId :
S5

Tgt Ion: 93 Resp: 106
Ion Ratio Lower Upper
93 100
95 207.3 26.8 40.2#
123 0.0 10.2 15.2#

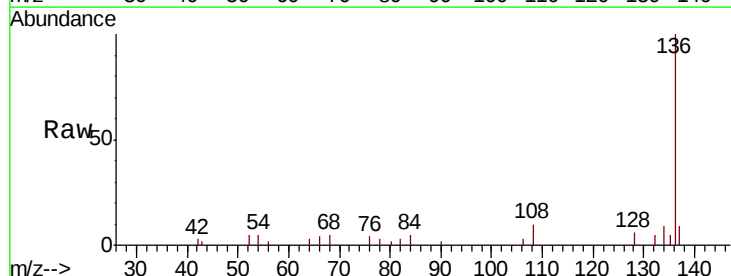


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): BF1

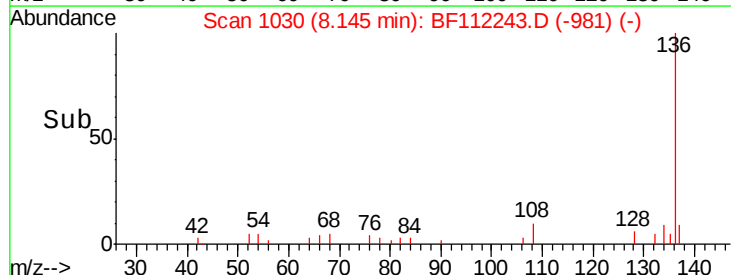
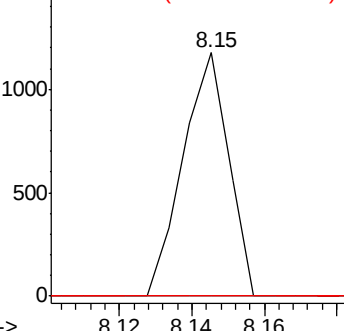


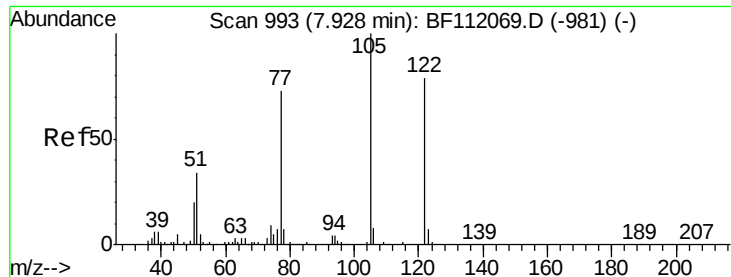
#31
Naphthalene
Concen: 0.029 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

Tgt Ion: 128 Resp: 1026
Ion Ratio Lower Upper
128 100
129 0.0 9.6 14.4#
127 0.0 11.1 16.7#



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: 0.026 ng

RT: 8.12 min Scan# 1026

Delta R.T. 0.15 min

Lab File: BF112243.D

Acq: 25 Jan 2019 20:27

Instrument :

BNA_F

ClientSampleId :

S5

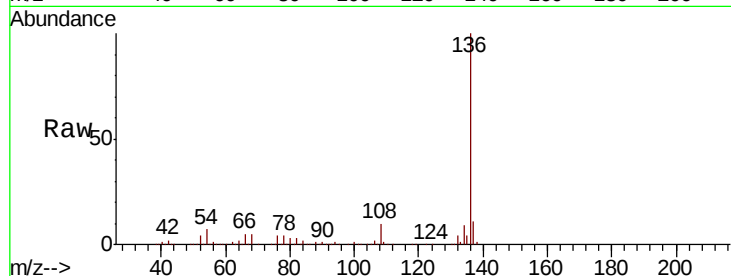
Tgt Ion:122 Resp: 147

Ion Ratio Lower Upper

122 100

105 205.0 101.2 141.2#

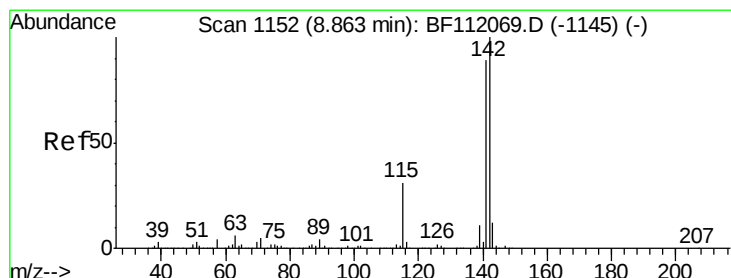
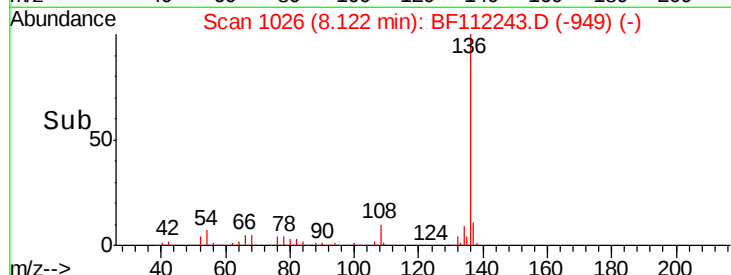
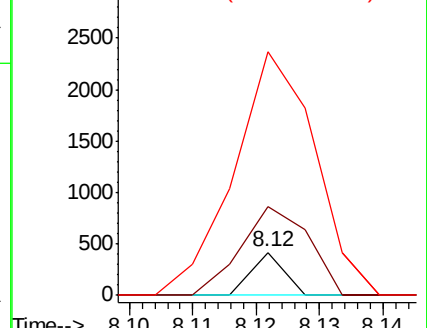
77 566.3 70.4 110.4#



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



#37

2-Methylnaphthalene

Concen: 0.005 ng

RT: 8.84 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF112243.D

Acq: 25 Jan 2019 20:27

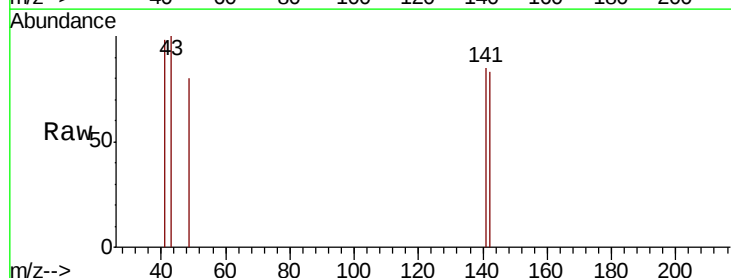
Tgt Ion:142 Resp: 111

Ion Ratio Lower Upper

142 100

141 102.5 70.9 106.3

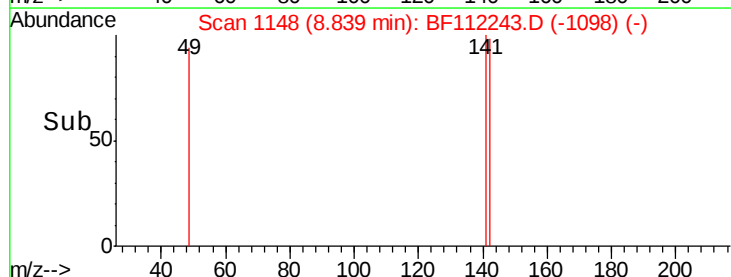
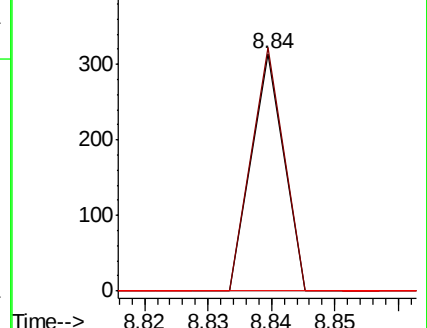
115 0.0 24.9 37.3#

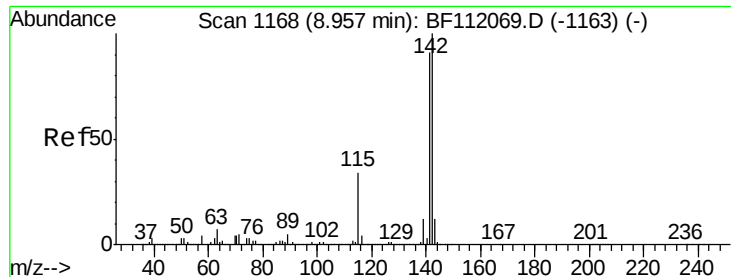


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

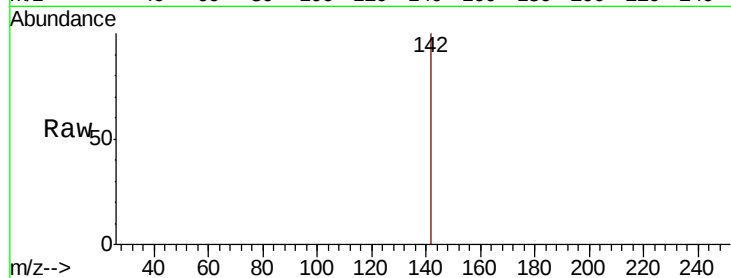




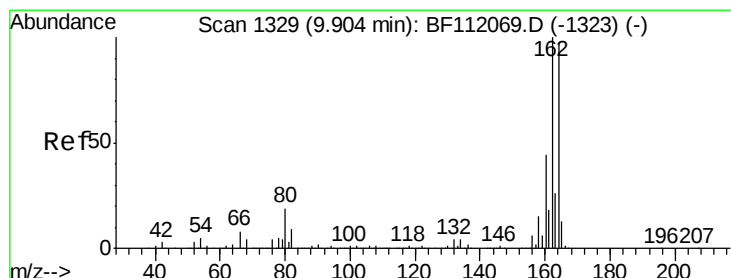
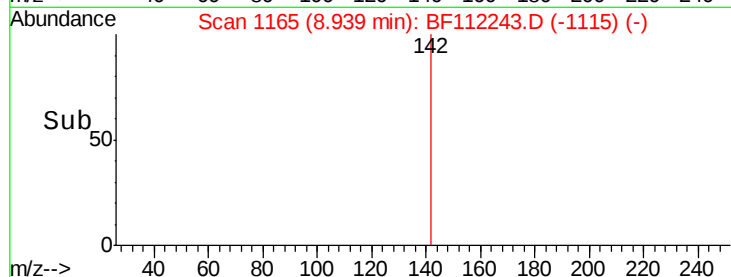
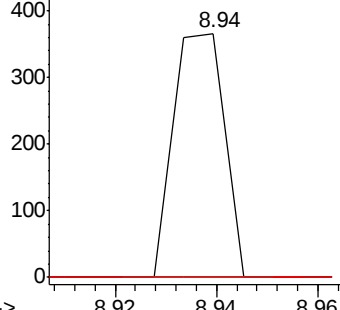
#38
1-Methylnaphthalene
Concen: 0.011 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

Instrument :
BNA_F
ClientSampleId :
S5

Tgt Ion:142 Resp: 257
Ion Ratio Lower Upper
142 100
141 0.0 72.6 108.8#
116 0.0 2.8 4.2#

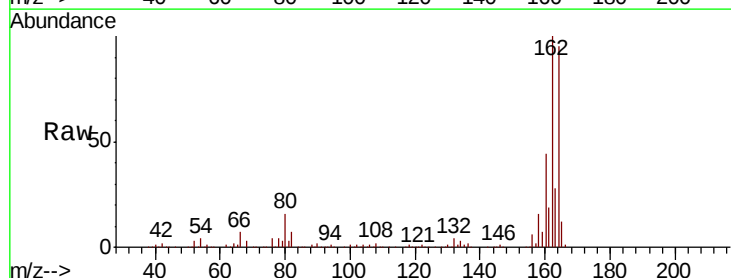


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

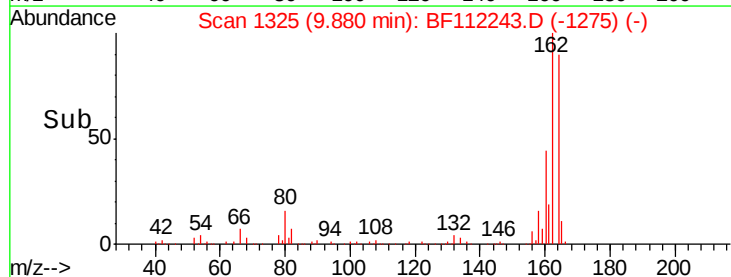
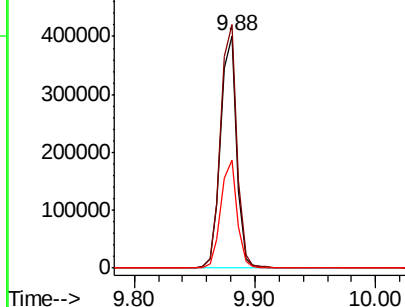


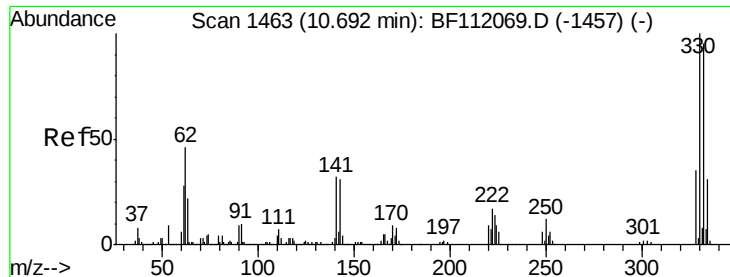
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

Tgt Ion:164 Resp: 367130
Ion Ratio Lower Upper
164 100
162 104.9 82.2 123.4
160 46.5 36.2 54.4



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

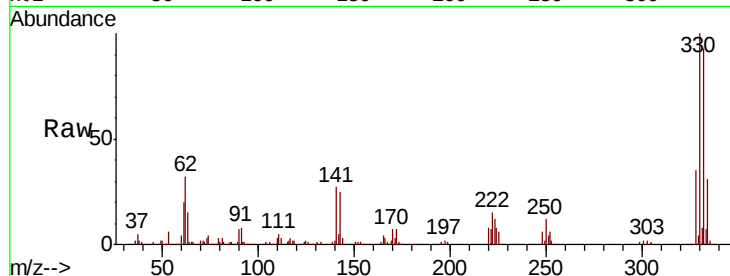




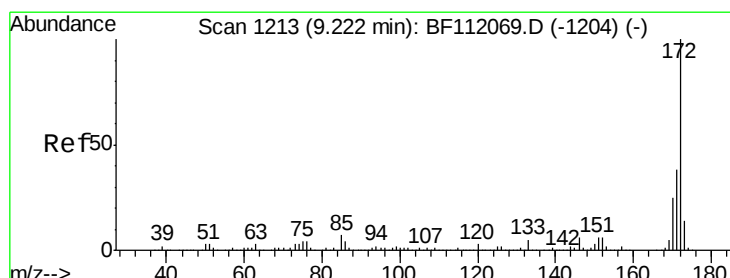
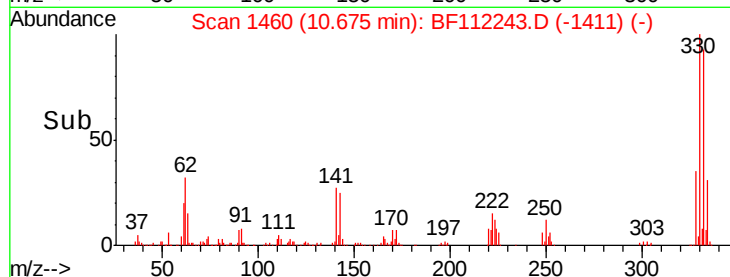
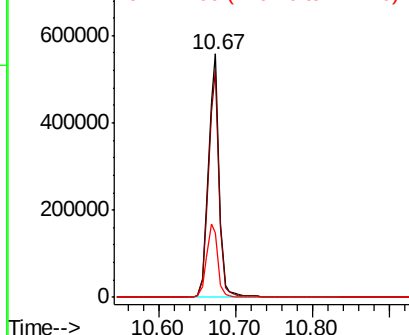
#42
 2,4,6-Tribromophenol
 Concen: 124.869 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF112243.D
 Acq: 25 Jan 2019 20:27

Instrument :
 BNA_F
 ClientSampleId :
 S5

Tgt Ion:330 Resp: 533601
 Ion Ratio Lower Upper
 330 100
 332 93.3 76.6 114.8
 141 32.1 24.3 36.5

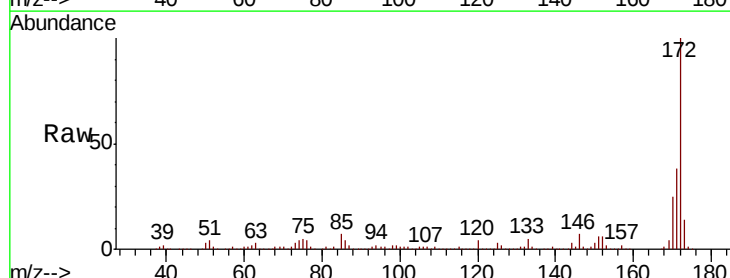


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

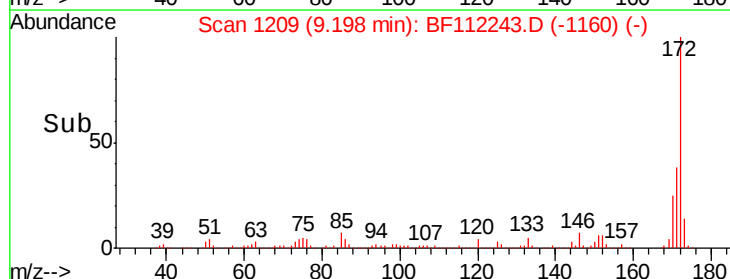
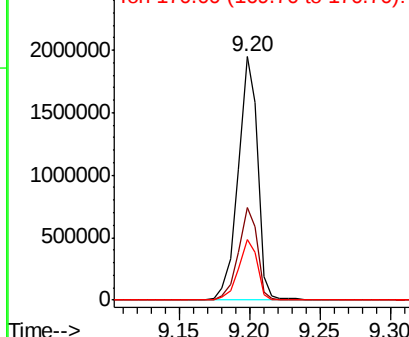


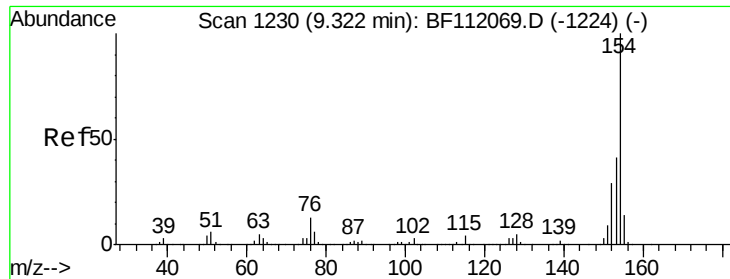
#45
 2-Fluorobiphenyl
 Concen: 72.208 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF112243.D
 Acq: 25 Jan 2019 20:27

Tgt Ion:172 Resp: 1874361
 Ion Ratio Lower Upper
 172 100
 171 37.9 30.5 45.7
 170 25.0 20.2 30.4



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

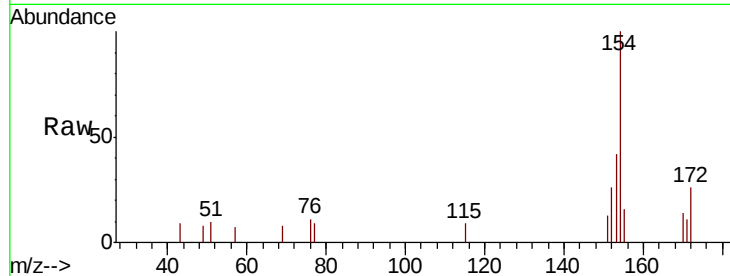




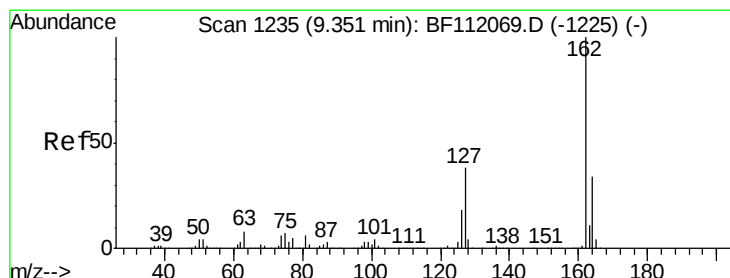
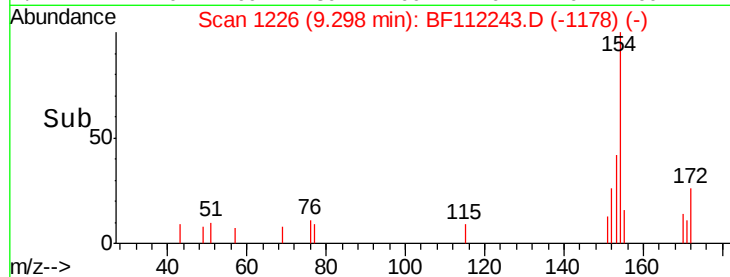
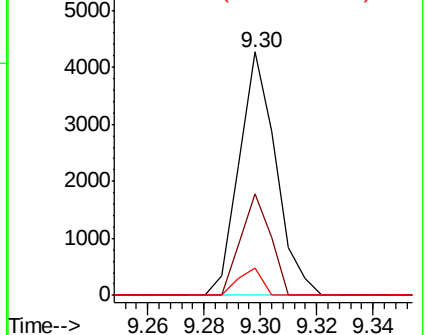
#46
 1,1'-Biphenyl
 Concen: 0.120 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.02 min
 Lab File: BF112243.D
 Acq: 25 Jan 2019 20:27

Instrument :
 BNA_F
 ClientSampled :
 S5

Tgt Ion:154 Resp: 3844
 Ion Ratio Lower Upper
 154 100
 153 41.6 21.5 61.5
 76 11.2 0.0 33.1

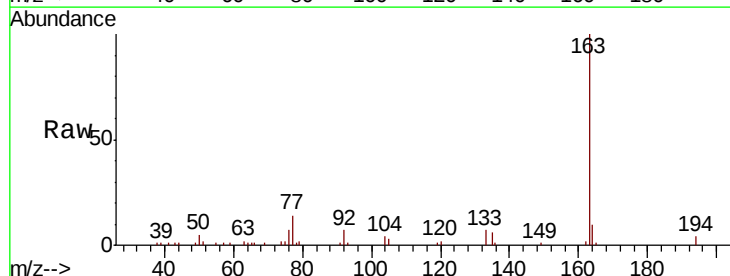


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

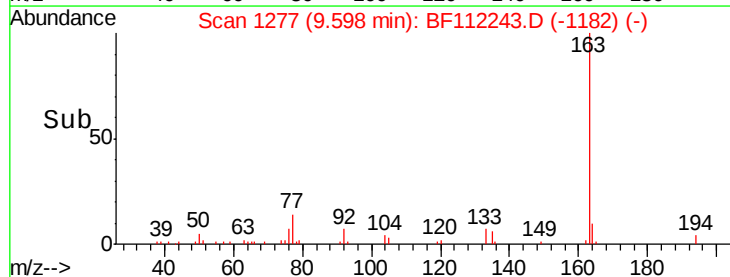
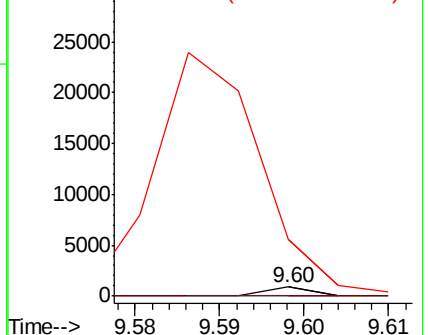


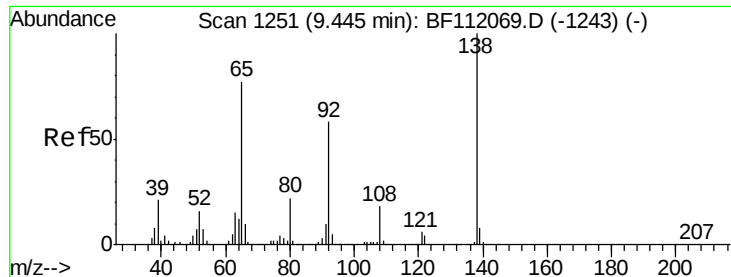
#47
 2-Chloronaphthalene
 Concen: 0.013 ng
 RT: 9.60 min Scan# 1277
 Delta R.T. 0.26 min
 Lab File: BF112243.D
 Acq: 25 Jan 2019 20:27

Tgt Ion:162 Resp: 317
 Ion Ratio Lower Upper
 162 100
 127 0.0 30.4 45.6#
 164 616.0 27.4 41.2#



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

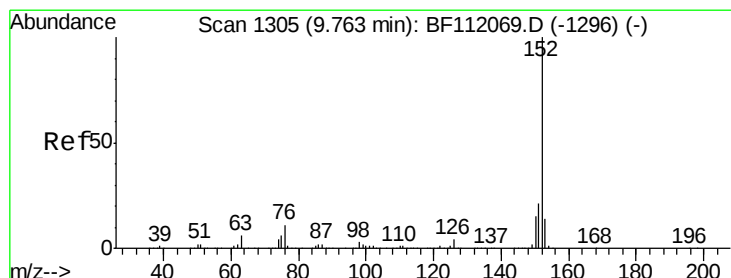
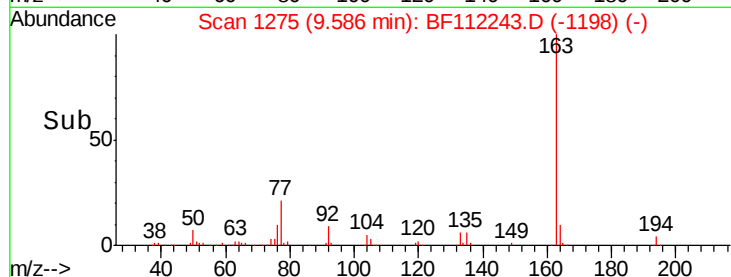
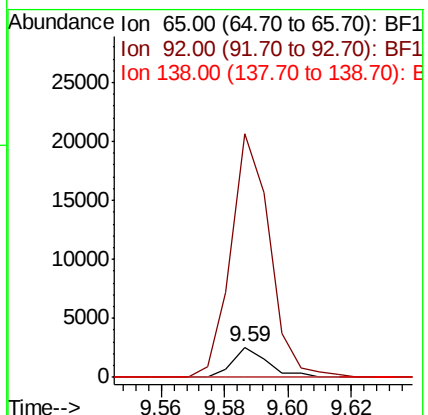
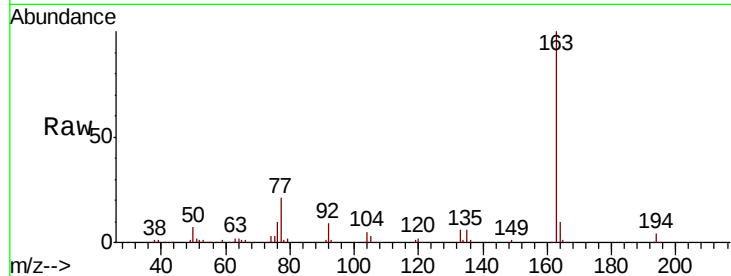




#48
2-Nitroaniline
Concen: 0.290 ng
RT: 9.59 min Scan# 1275
Delta R.T. 0.15 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

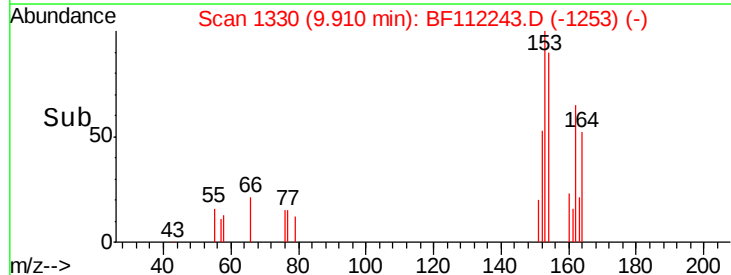
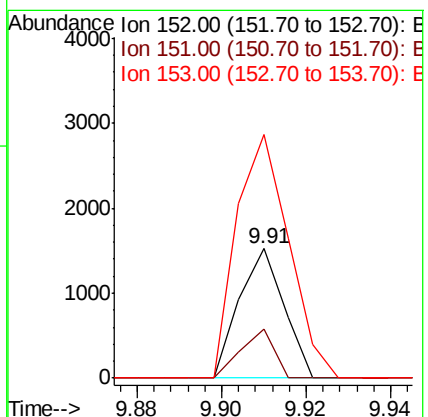
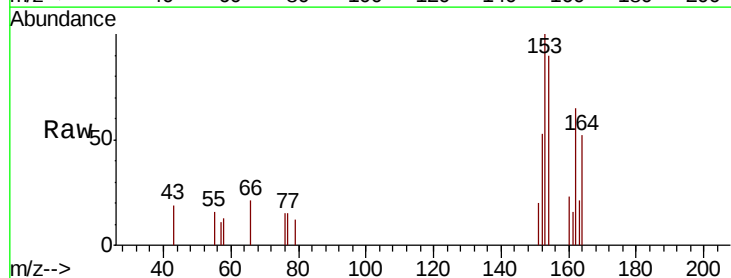
Instrument :
BNA_F
ClientSampled :
S5

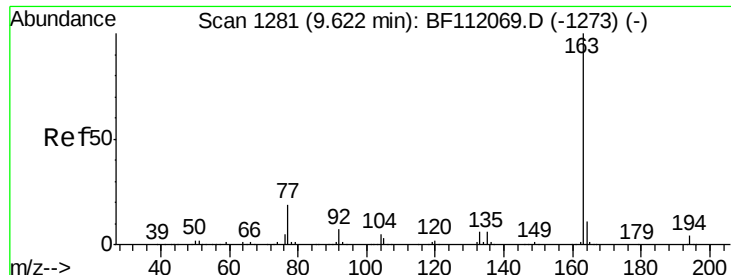
Tgt Ion: 65 Resp: 1968
Ion Ratio Lower Upper
65 100
92 810.0 60.4 90.6#
138 0.0 104.4 156.6#



#49
Acenaphthylene
Concen: 0.030 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.15 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

Tgt Ion: 152 Resp: 1111
Ion Ratio Lower Upper
152 100
151 38.0 17.0 25.6#
153 188.4 11.2 16.8#

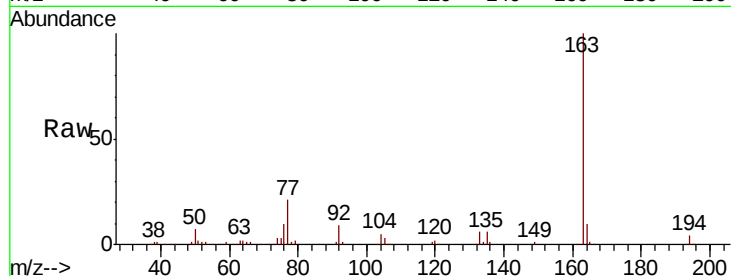




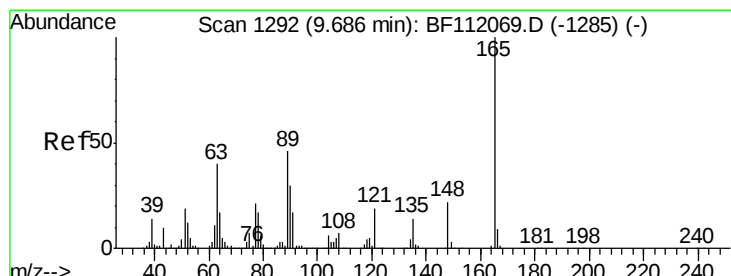
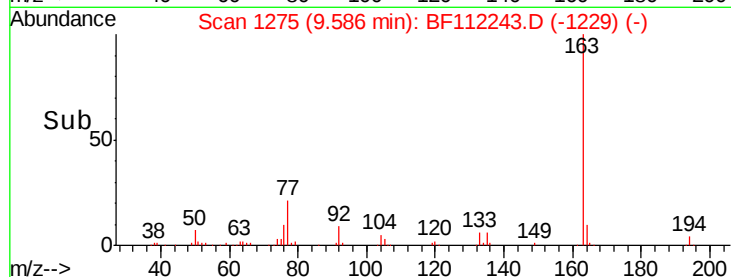
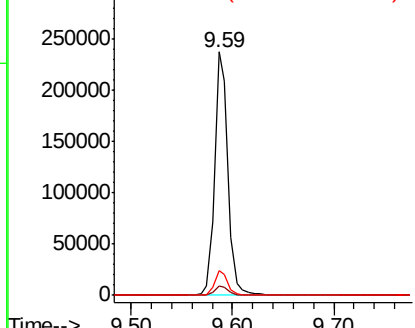
#50
Dimethylphthalate
Concen: 7.567 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.03 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

Instrument :
BNA_F
ClientSampleId :
S5

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.3	4.9
164	10.1	8.5	12.7

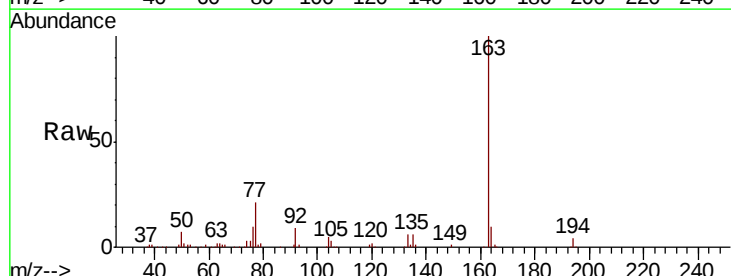


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

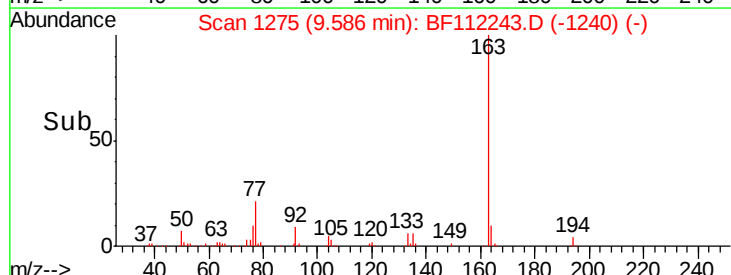
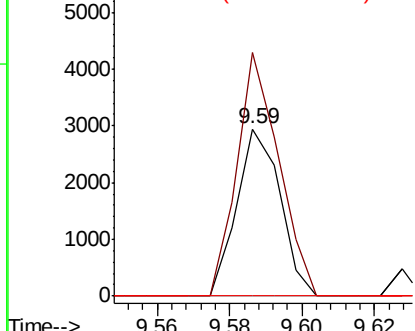


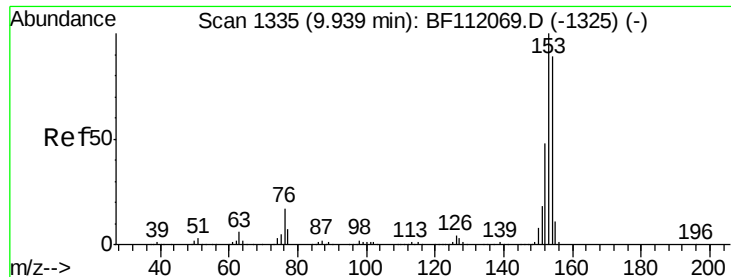
#51
2,6-Dinitrotoluene
Concen: 0.381 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.09 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	146.0	33.8	50.8#
89	0.0	36.9	55.3#



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





#52

Acenaphthene

Concen: 0.095 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BF112243.D

Acq: 25 Jan 2019 20:27

Instrument :

BNA_F

ClientSampleId :

S5

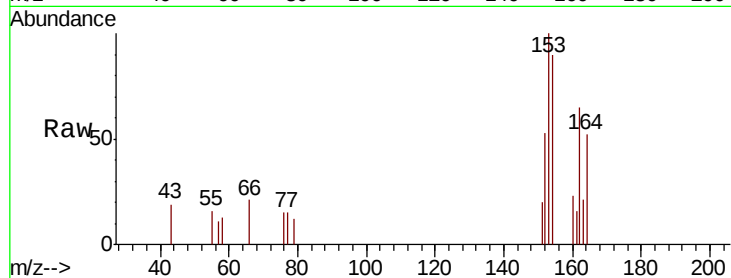
Tgt Ion:154 Resp: 2074

Ion Ratio Lower Upper

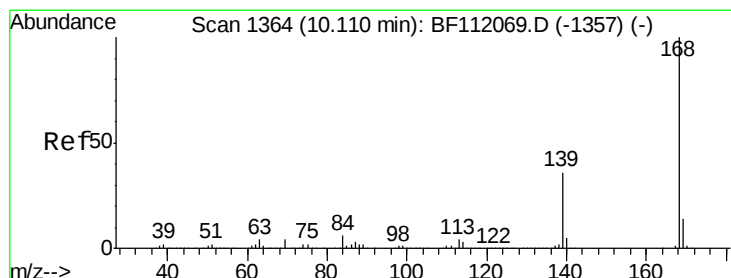
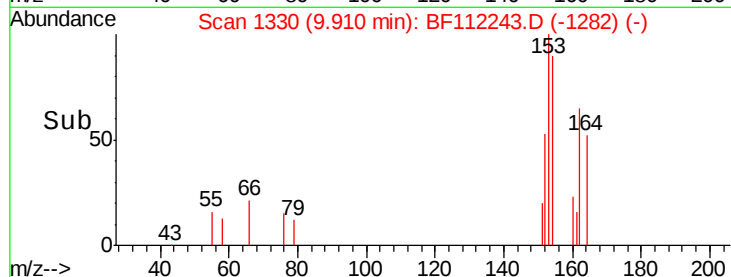
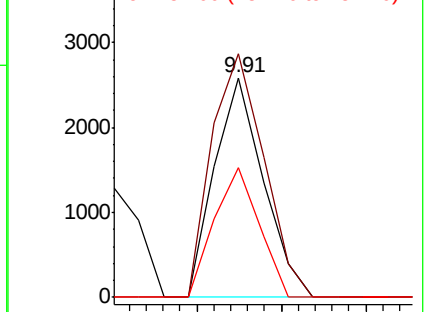
154 100

153 110.9 89.8 134.6

152 58.9 43.5 65.3



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



#55

Dibenzofuran

Concen: 0.045 ng

RT: 10.09 min Scan# 1360

Delta R.T. -0.01 min

Lab File: BF112243.D

Acq: 25 Jan 2019 20:27

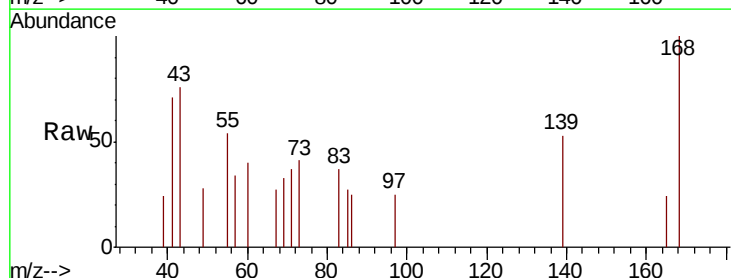
Tgt Ion:168 Resp: 1515

Ion Ratio Lower Upper

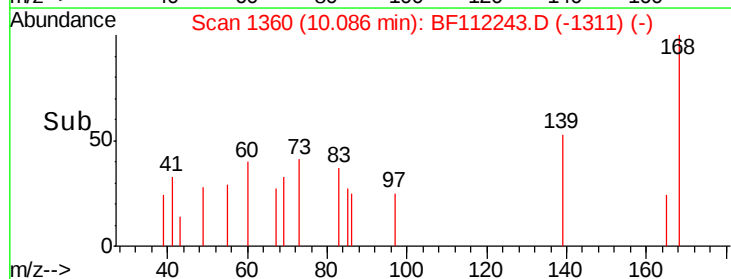
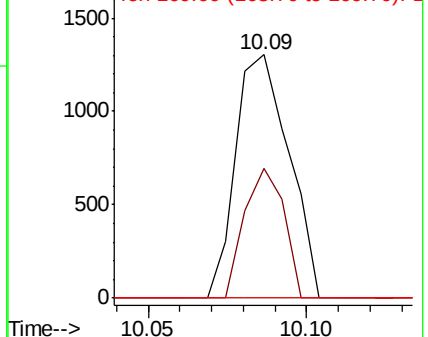
168 100

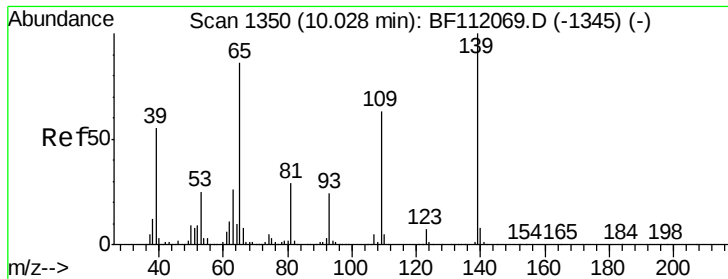
139 53.5 29.2 43.8#

169 0.0 11.4 17.0#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

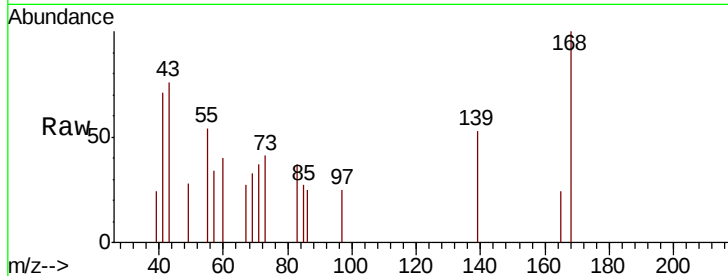




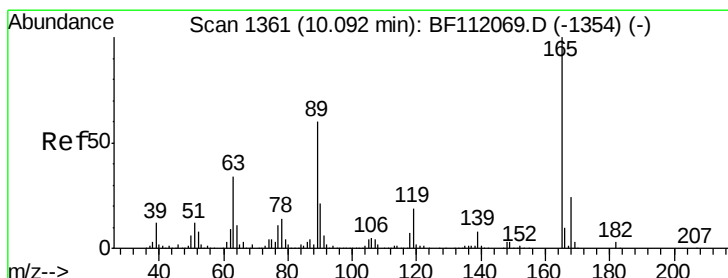
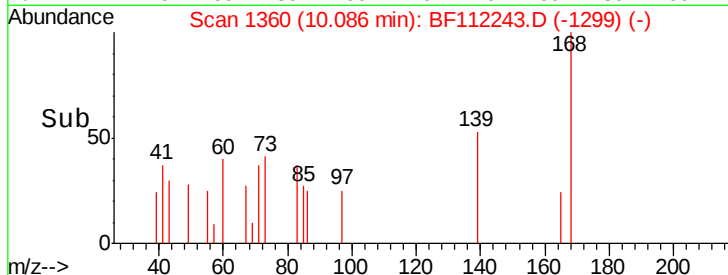
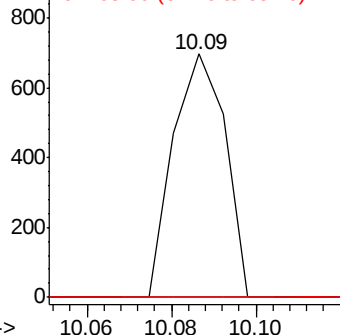
#56
4-Nitrophenol
Concen: 0.163 ng
RT: 10.09 min Scan# 1360
Delta R.T. 0.06 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

Instrument :
BNA_F
ClientSampleId :
S5

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	42.8	82.8#
65	0.0	66.1	106.1#



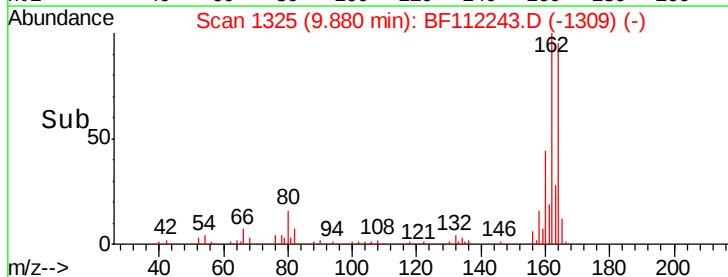
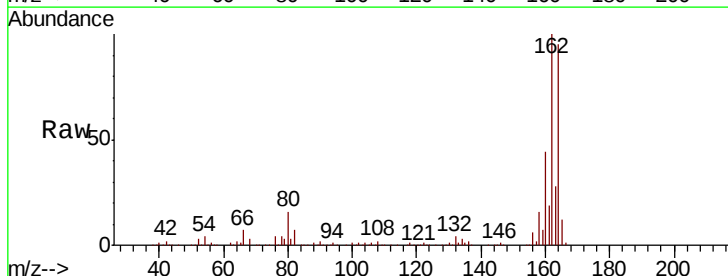
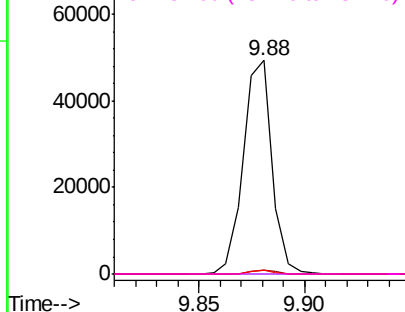
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

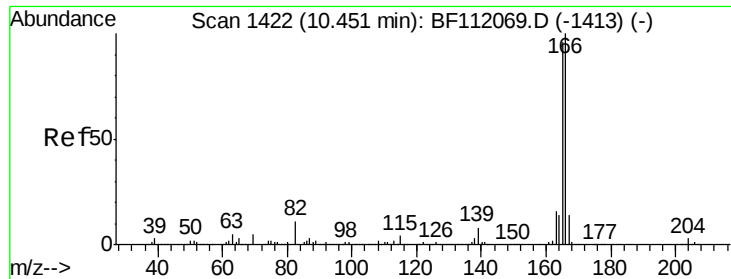


#57
2,4-Dinitrotoluene
Concen: 5.724 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.21 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	27.9	41.9#
89	1.7	47.9	71.9#
182	0.0	2.2	3.4#

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: 0.056 ng

RT: 10.43 min Scan# 1418

Delta R.T. -0.01 min

Lab File: BF112243.D

Acq: 25 Jan 2019 20:27

Instrument :

BNA_F

ClientSampleId :

S5

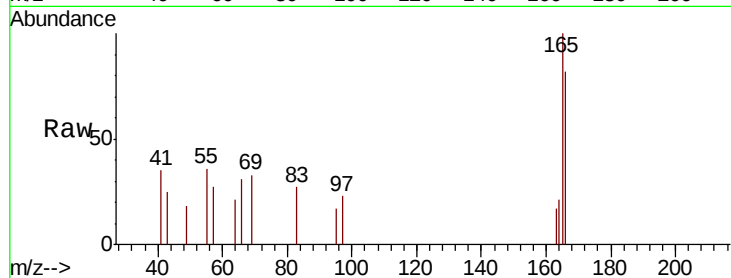
Tgt Ion:166 Resp: 1398

Ion Ratio Lower Upper

166 100

165 121.3 77.1 115.7#

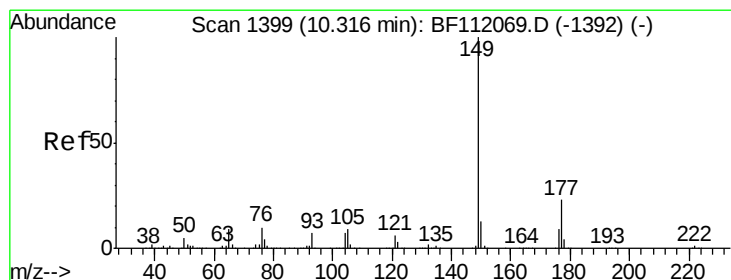
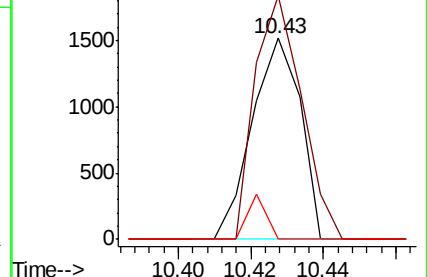
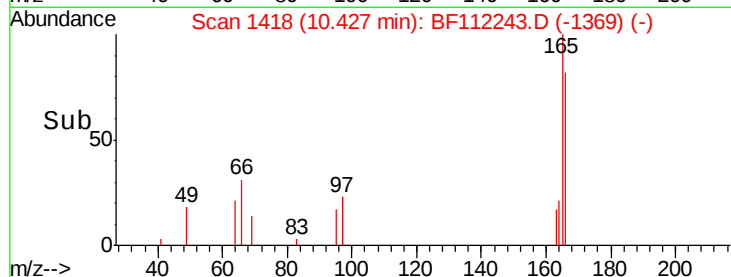
167 0.0 11.3 16.9#



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



#60

Diethylphthalate

Concen: 0.065 ng

RT: 10.29 min Scan# 1394

Delta R.T. -0.02 min

Lab File: BF112243.D

Acq: 25 Jan 2019 20:27

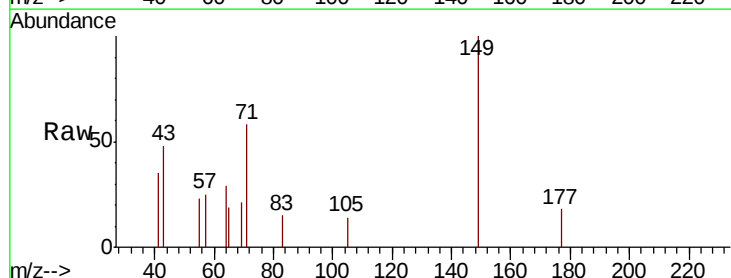
Tgt Ion:149 Resp: 1845

Ion Ratio Lower Upper

149 100

177 17.7 18.2 27.2#

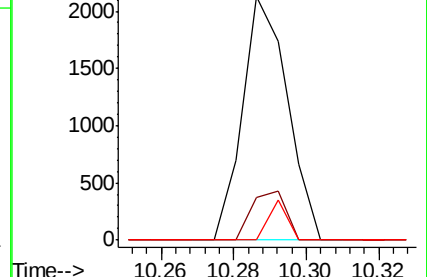
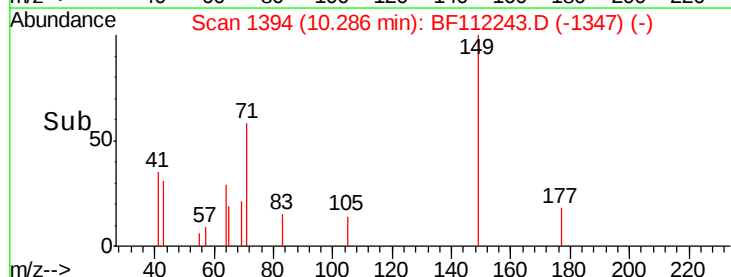
150 0.0 10.4 15.6#

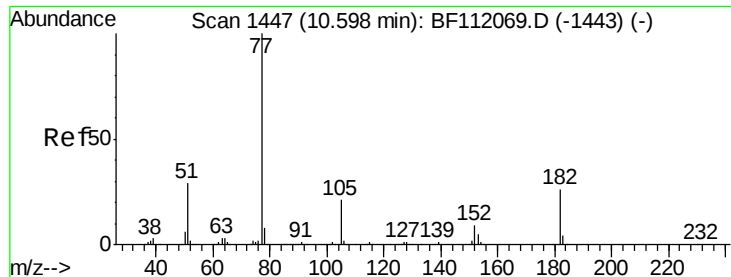


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#63

Azobenzene

Concen: 0.021 ng

RT: 10.57 min Scan# 1443

Delta R.T. -0.01 min

Lab File: BF112243.D

Acq: 25 Jan 2019 20:27

Instrument :

BNA_F

ClientSampleId :

S5

Tgt Ion: 77 Resp: 514

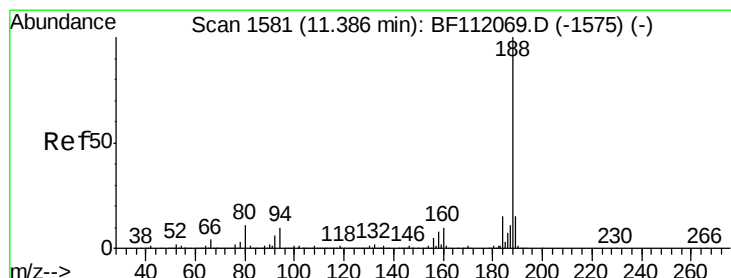
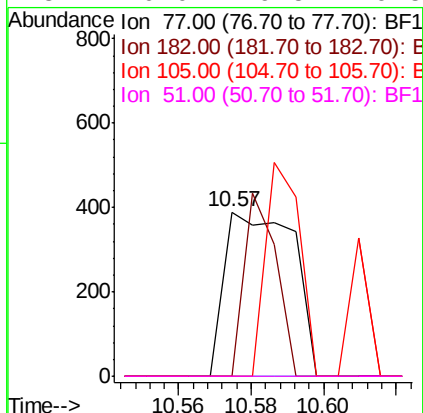
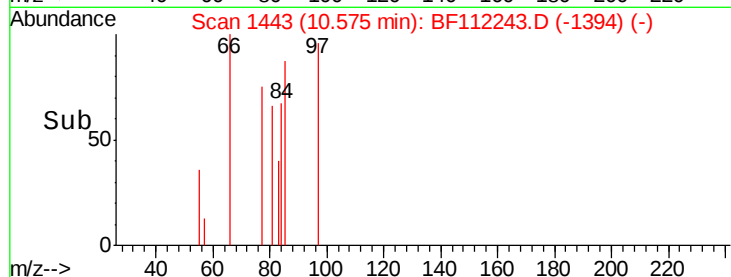
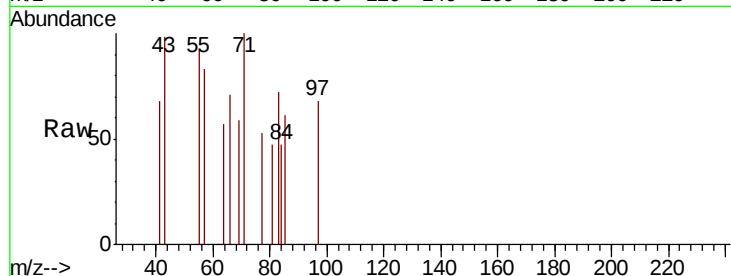
Ion Ratio Lower Upper

77 100

182 0.0 5.7 45.7#

105 0.0 1.4 41.4#

51 0.0 9.5 49.5#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF112243.D

Acq: 25 Jan 2019 20:27

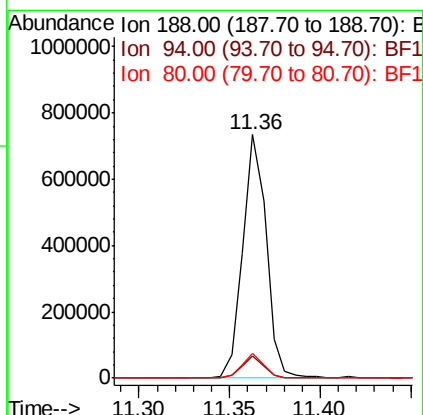
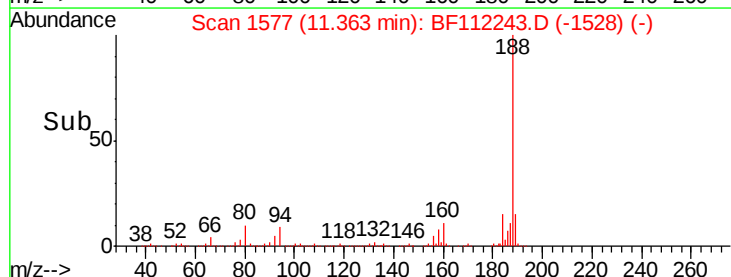
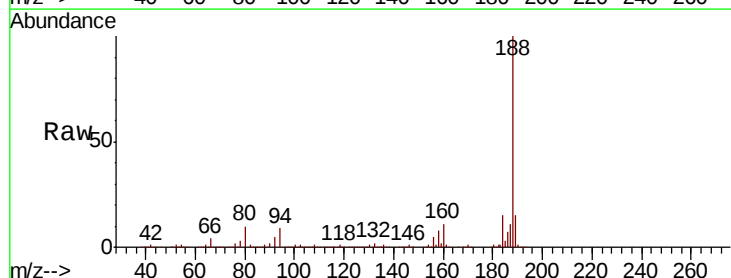
Tgt Ion: 188 Resp: 663102

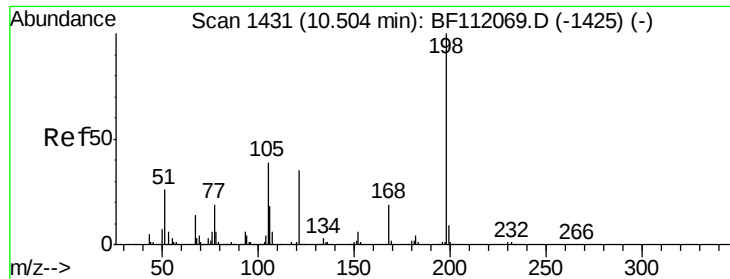
Ion Ratio Lower Upper

188 100

94 9.2 8.2 12.2

80 10.2 8.9 13.3

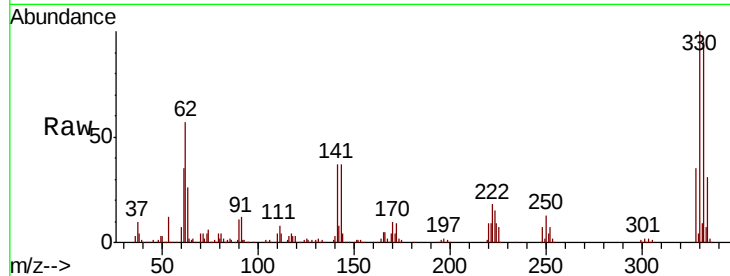




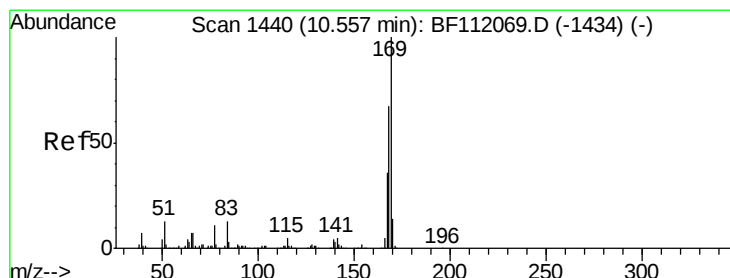
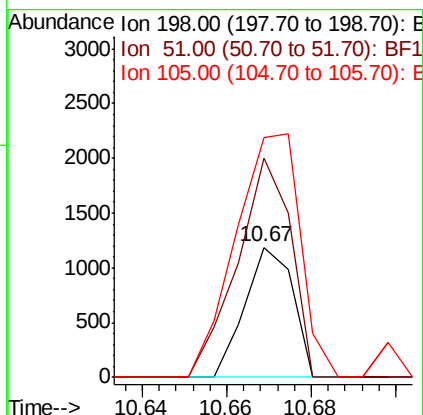
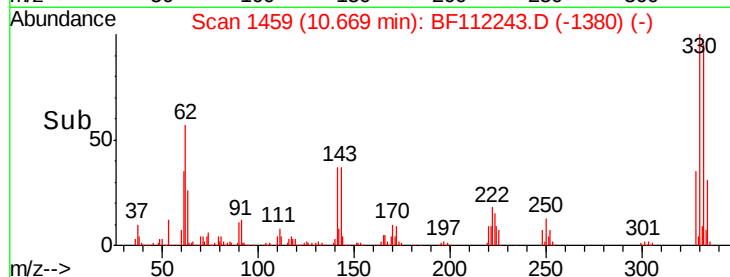
#65
 4,6-Dinitro-2-methylphenol
 Concen: 0.253 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. 0.16 min
 Lab File: BF112243.D
 Acq: 25 Jan 2019 20:27

Instrument :
 BNA_F
 ClientSampleId :
 S5

Tgt Ion:198 Resp: 939
 Ion Ratio Lower Upper
 198 100
 51 168.4 17.2 57.2#
 105 184.3 21.9 61.9#

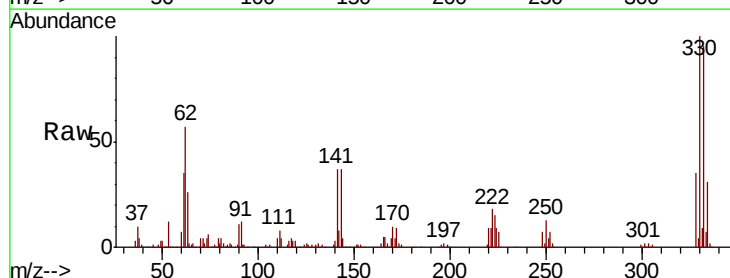


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

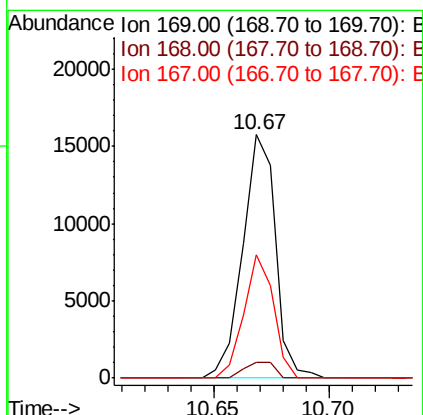
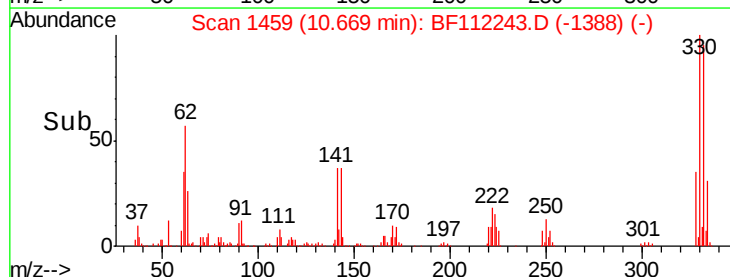


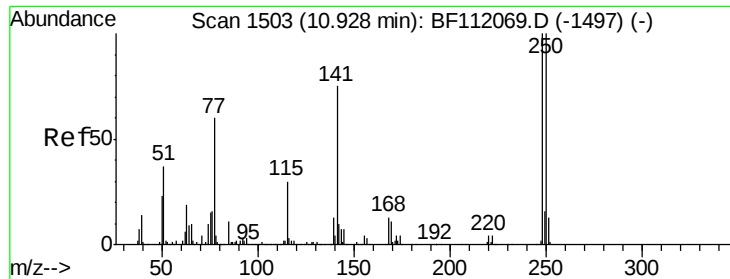
#66
 n-Nitrosodiphenylamine
 Concen: 0.699 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. 0.12 min
 Lab File: BF112243.D
 Acq: 25 Jan 2019 20:27

Tgt Ion:169 Resp: 15629
 Ion Ratio Lower Upper
 169 100
 168 6.5 53.9 80.9#
 167 50.7 28.9 43.3#



Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

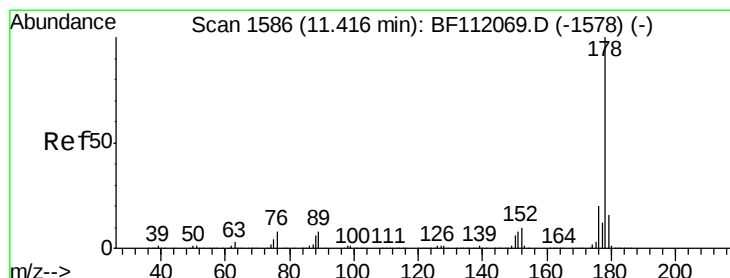
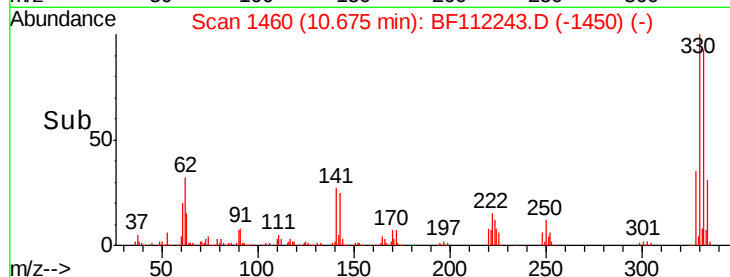
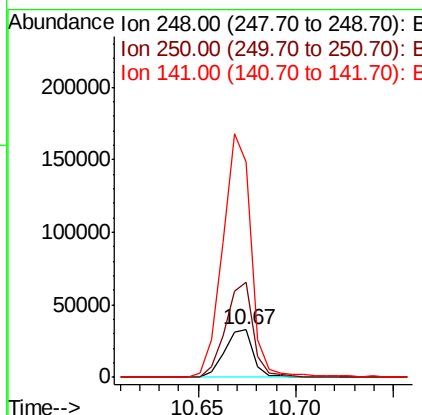
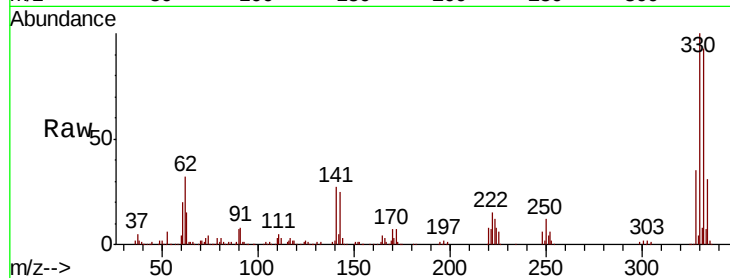




#67
 4-Bromophenyl-phenylether
 Concen: 4.314 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF112243.D
 Acq: 25 Jan 2019 20:27

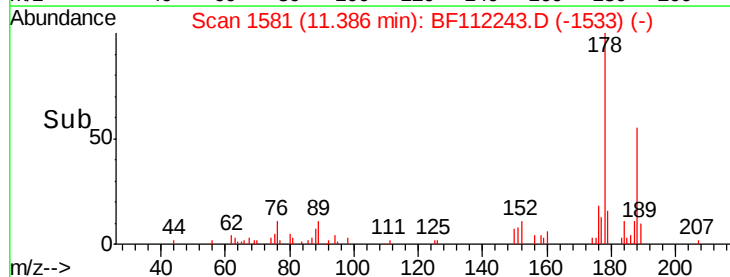
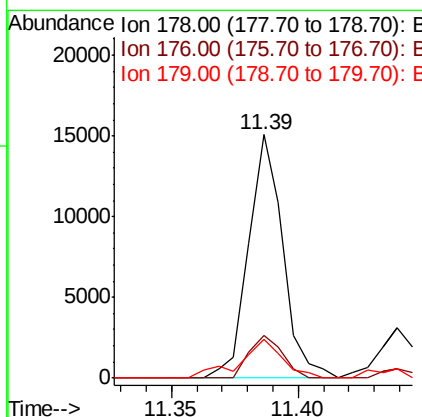
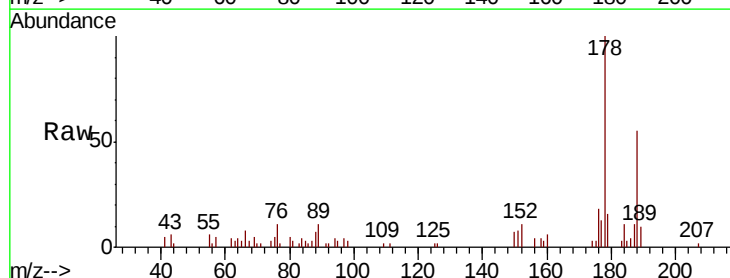
Instrument :
 BNA_F
 ClientSampled :
 S5

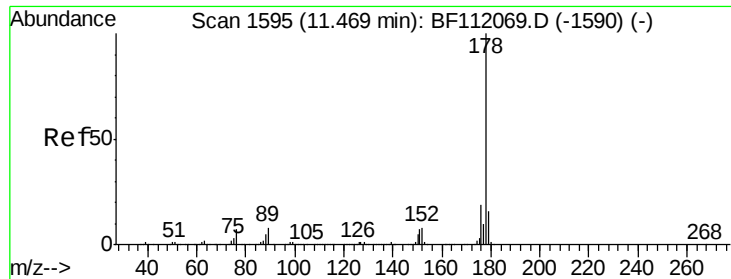
Tgt Ion	Ratio	Lower	Upper
248	100		
250	201.0	79.7	119.5#
141	453.8	60.3	90.5#



#71
 Phenanthrene
 Concen: 0.413 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.02 min
 Lab File: BF112243.D
 Acq: 25 Jan 2019 20:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	16.3	24.5
179	16.0	13.0	19.4





#72

Anthracene

Concen: 0.100 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.02 min

Lab File: BF112243.D

Acq: 25 Jan 2019 20:27

Instrument :

BNA_F

ClientSampled :

S5

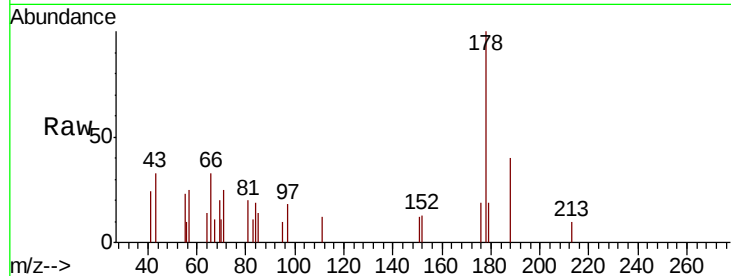
Tgt Ion:178 Resp: 3428

Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

179 18.7 12.8 19.2

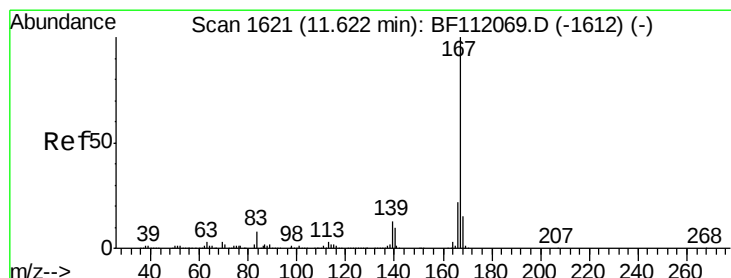
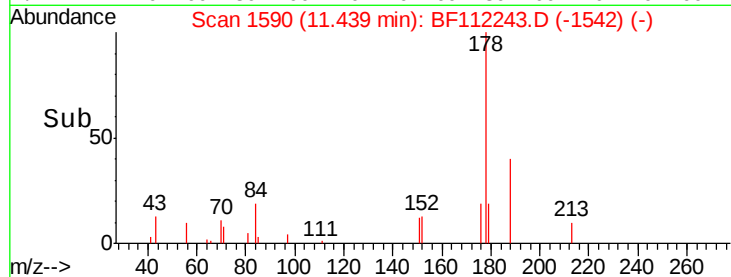
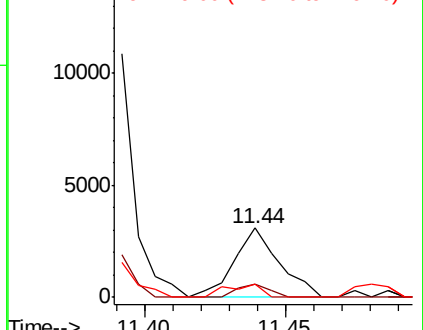


Abundance

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



#73

Carbazole

Concen: 0.068 ng

RT: 11.60 min Scan# 1618

Delta R.T. -0.01 min

Lab File: BF112243.D

Acq: 25 Jan 2019 20:27

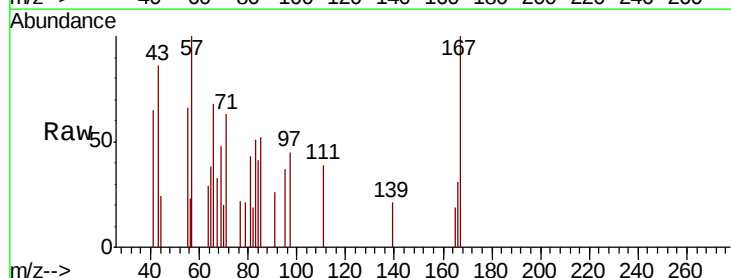
Tgt Ion:167 Resp: 2296

Ion Ratio Lower Upper

167 100

166 30.9 17.9 26.9#

139 20.6 10.2 15.2#

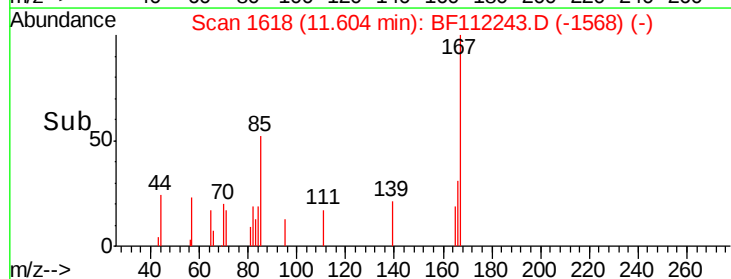
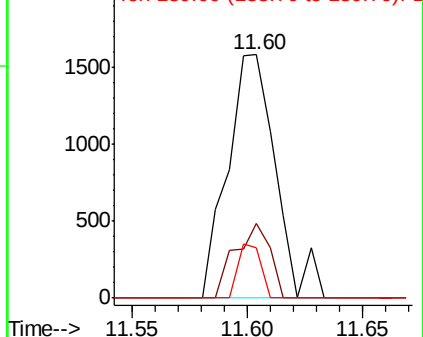


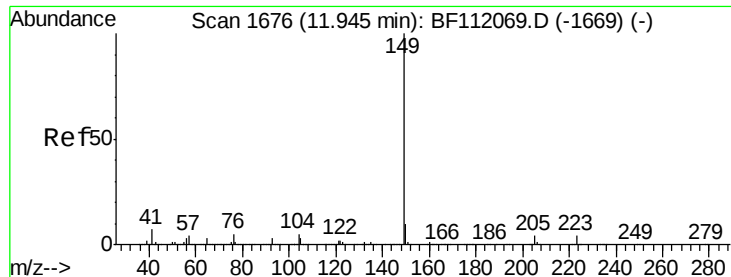
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 0.109 ng

RT: 11.92 min Scan# 1671

Delta R.T. -0.01 min

Lab File: BF112243.D

Acq: 25 Jan 2019 20:27

Instrument :

BNA_F

ClientSampleId :

S5

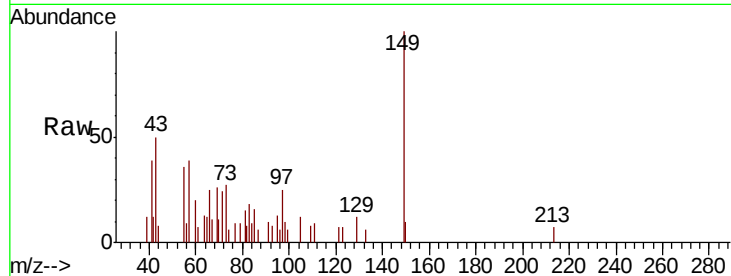
Tgt Ion:149 Resp: 4592

Ion Ratio Lower Upper

149 100

150 10.1 8.1 12.1

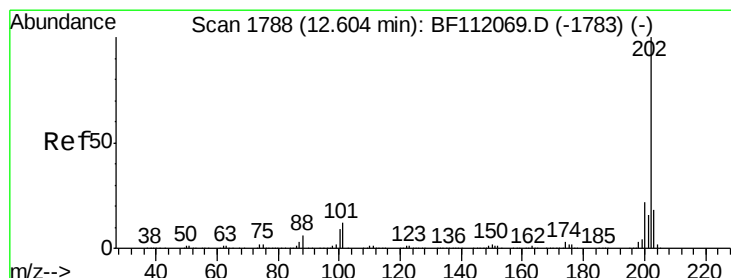
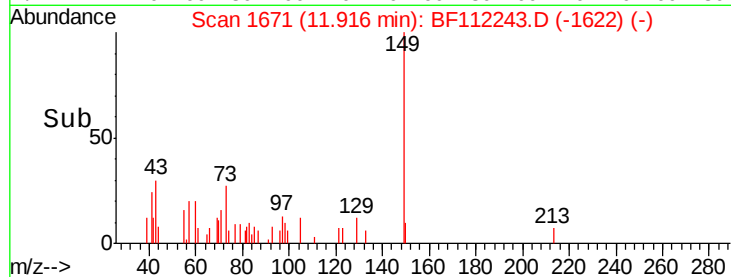
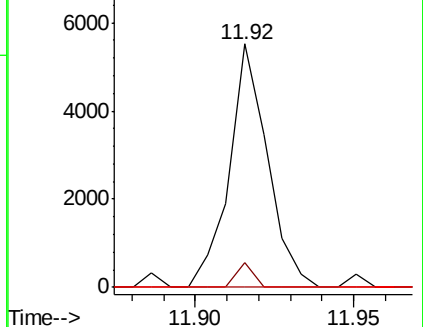
104 0.0 3.9 5.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 0.810 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.02 min

Lab File: BF112243.D

Acq: 25 Jan 2019 20:27

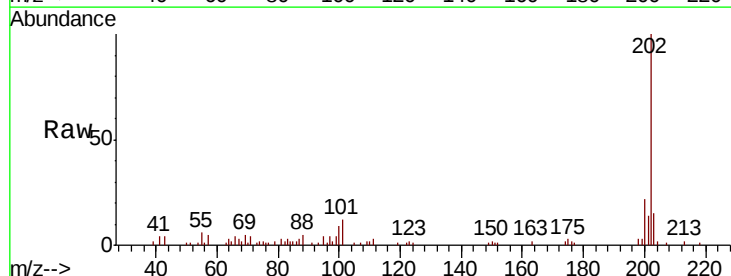
Tgt Ion:202 Resp: 29937

Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.8

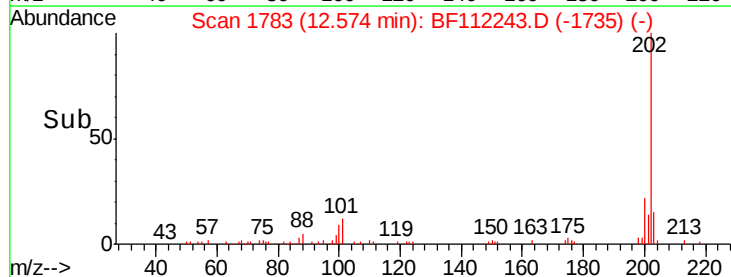
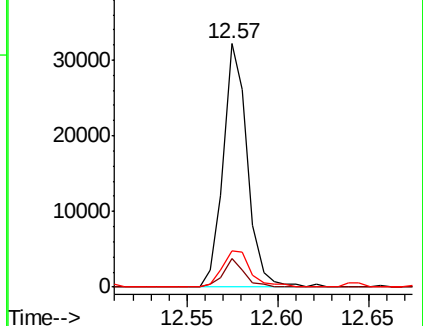
203 14.8 0.0 38.4

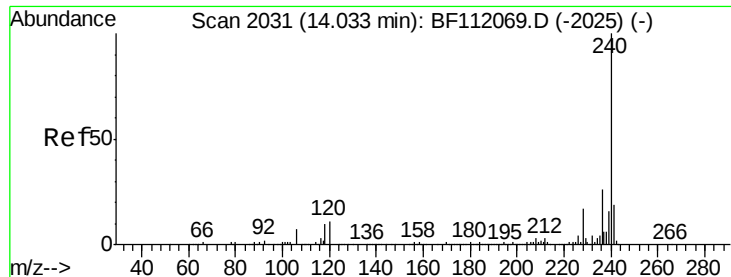


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

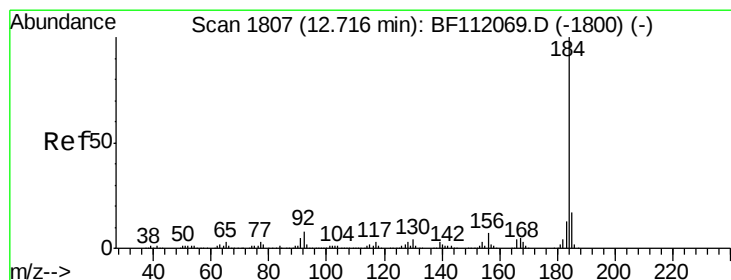
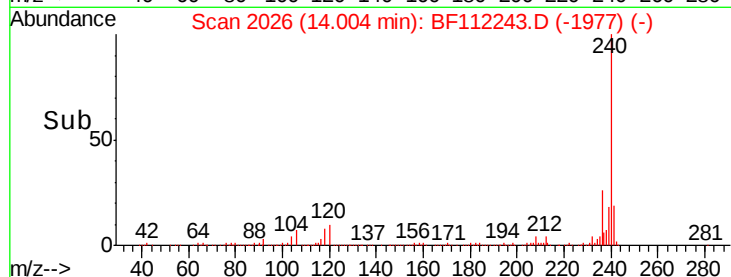
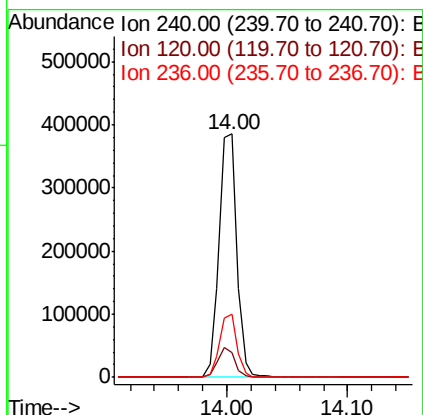
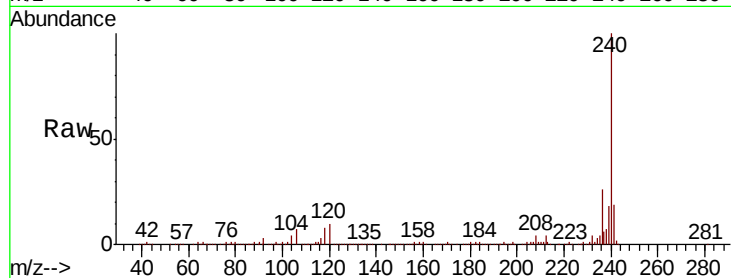




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

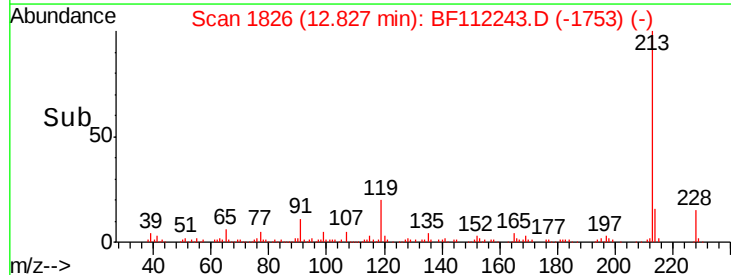
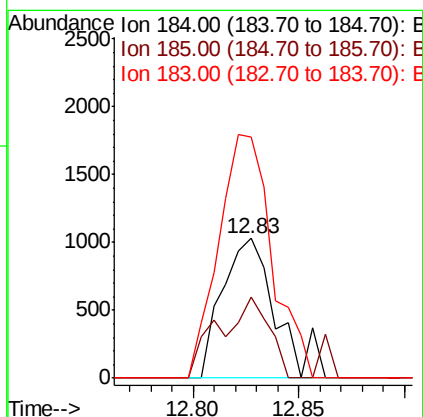
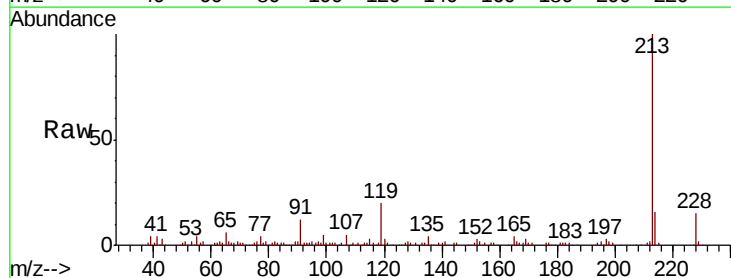
Instrument :
BNA_F
ClientSampleId :
S5

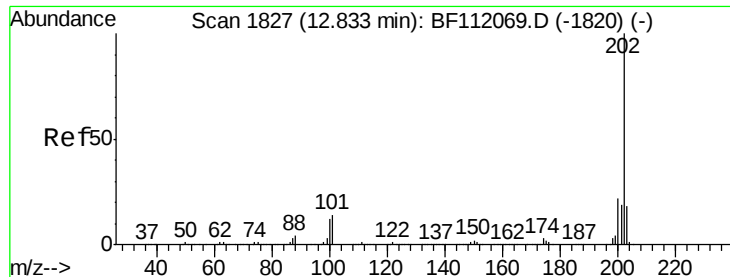
Tgt Ion:240 Resp: 391232
Ion Ratio Lower Upper
240 100
120 10.1 9.0 13.6
236 26.1 20.7 31.1



#77
Benzidine
Concen: 0.169 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.13 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

Tgt Ion:184 Resp: 1818
Ion Ratio Lower Upper
184 100
185 57.8 13.9 20.9#
183 172.7 10.0 15.0#

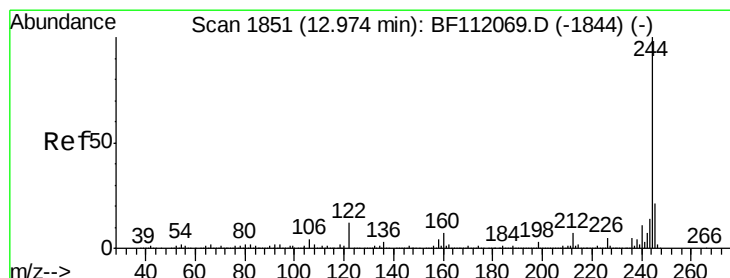
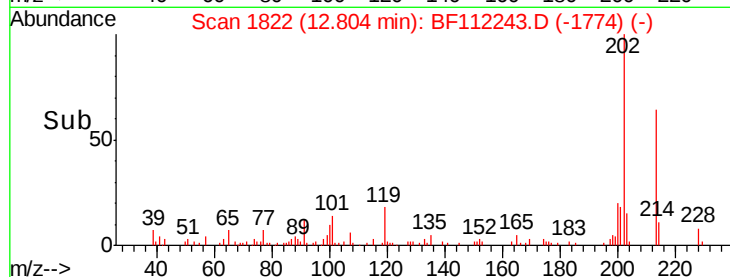
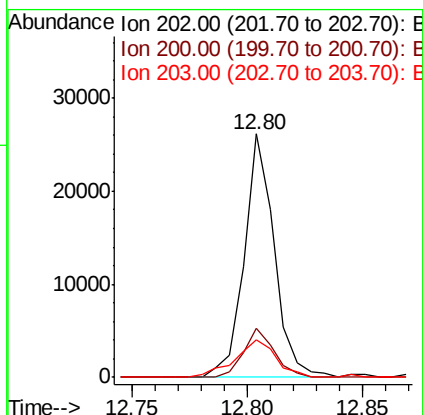
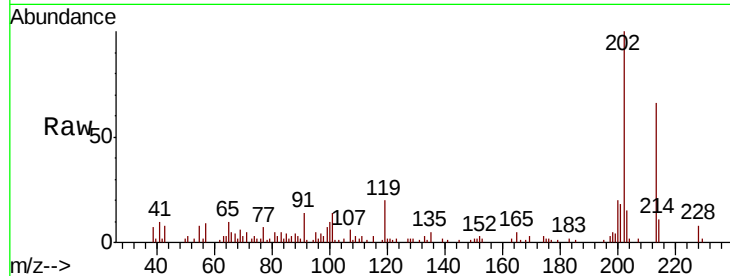




#78
Pyrene
Concen: 0.876 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.02 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

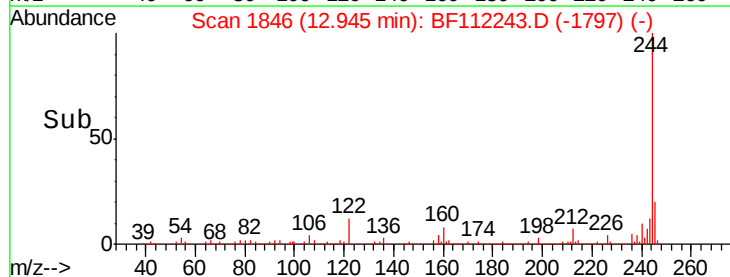
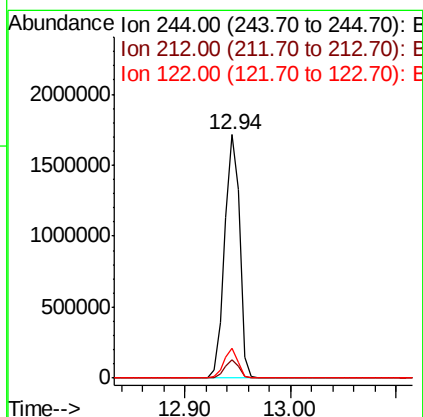
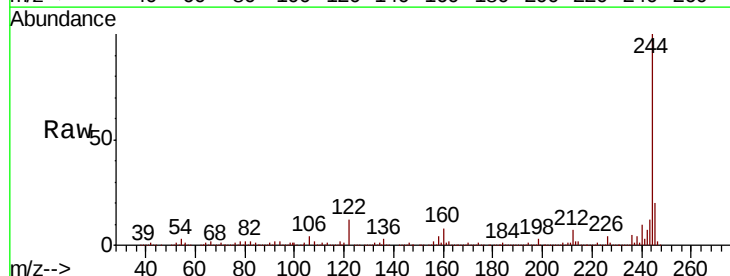
Instrument :
BNA_F
ClientSampleId :
S5

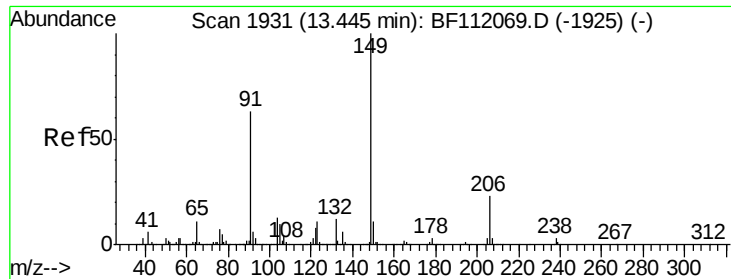
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.7	26.5
203	15.4	14.6	22.0



#79
Terphenyl-d14
Concen: 81.941 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.9	8.9
122	12.2	9.8	14.6

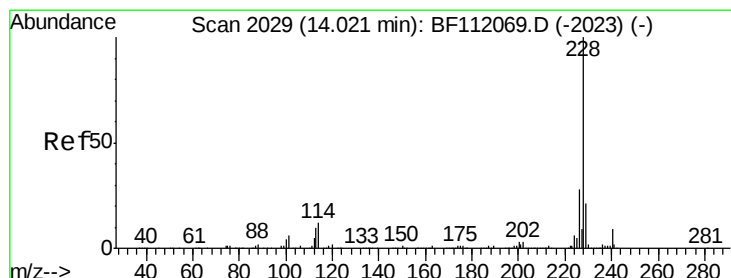
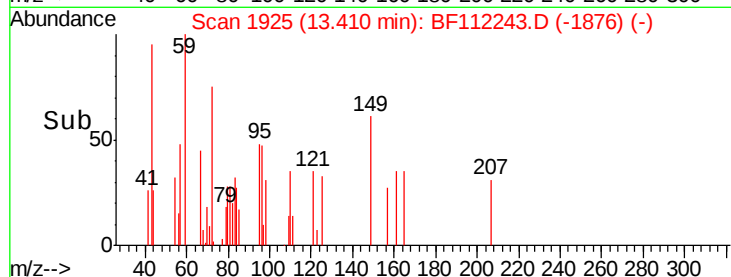
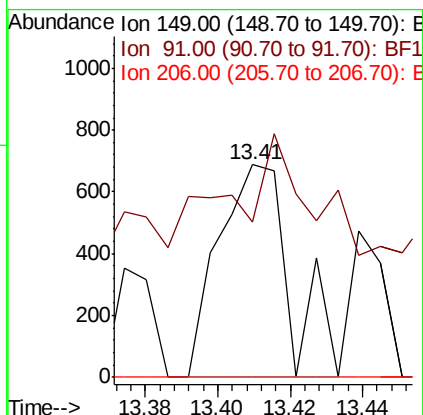
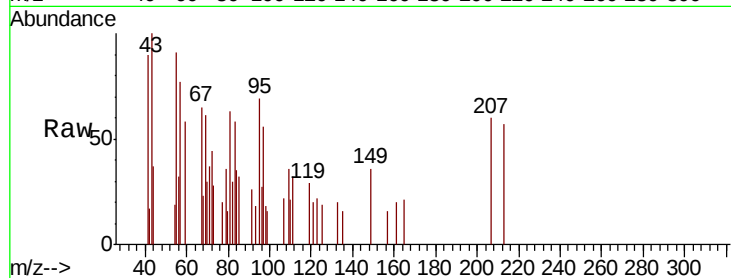




#80
Butylbenzylphthalate
Concen: 0.072 ng
RT: 13.41 min Scan# 1925
Delta R.T. -0.01 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

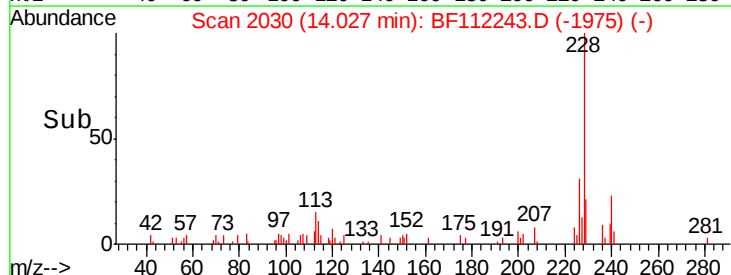
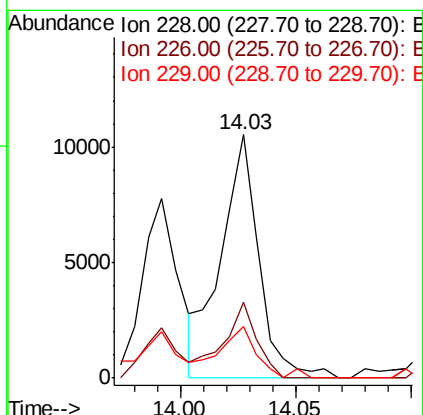
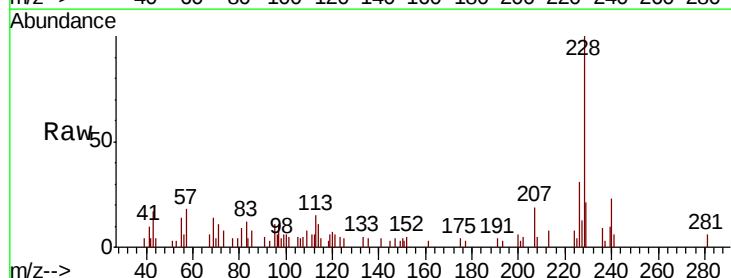
Instrument :
BNA_F
ClientSampled :
S5

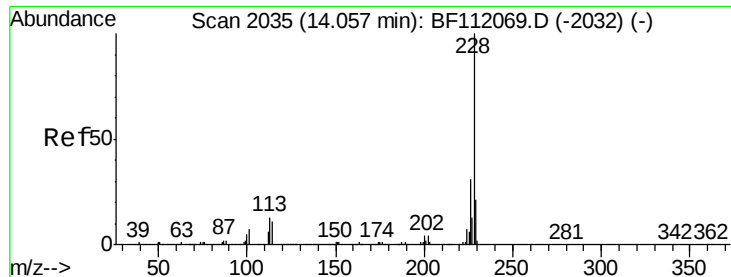
Tgt Ion:149 Resp: 943
Ion Ratio Lower Upper
149 100
91 73.1 50.3 75.5
206 0.0 18.2 27.4#



#81
Benzo(a)anthracene
Concen: 0.526 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.02 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

Tgt Ion:228 Resp: 12103
Ion Ratio Lower Upper
228 100
226 30.9 22.6 34.0
229 21.1 16.5 24.7

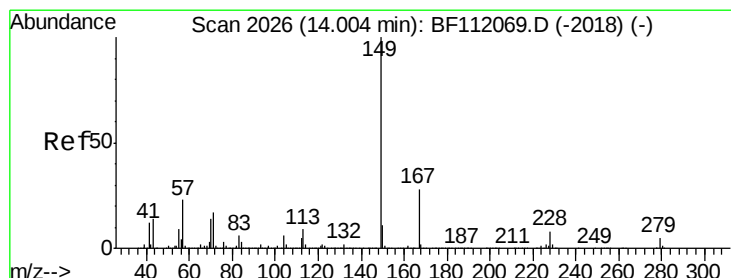
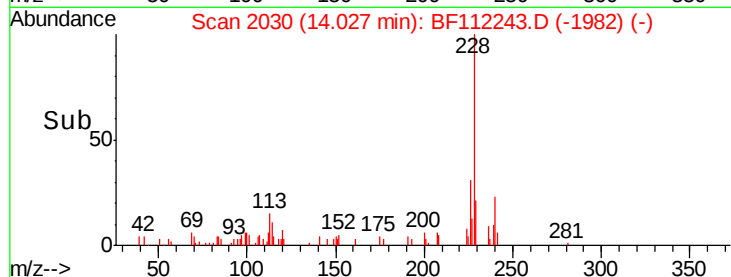
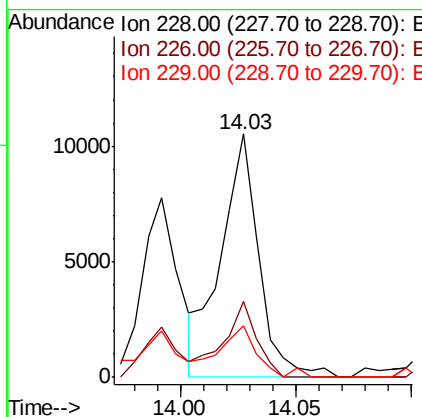
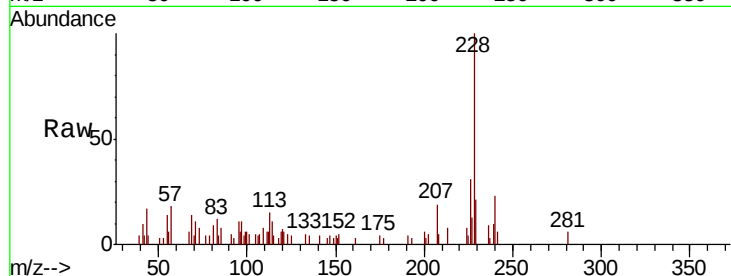




#83
Chrysene
Concen: 0.551 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

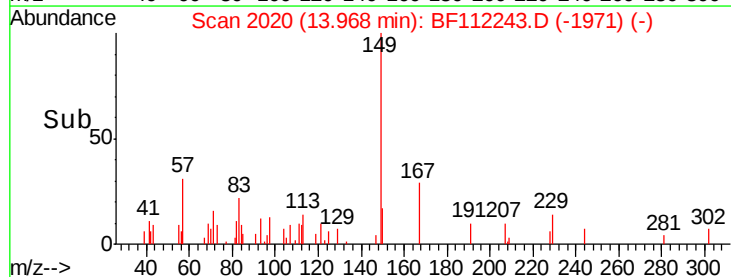
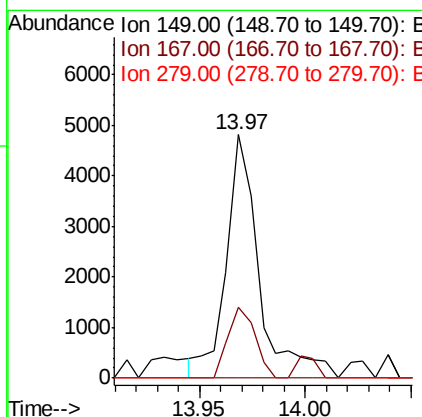
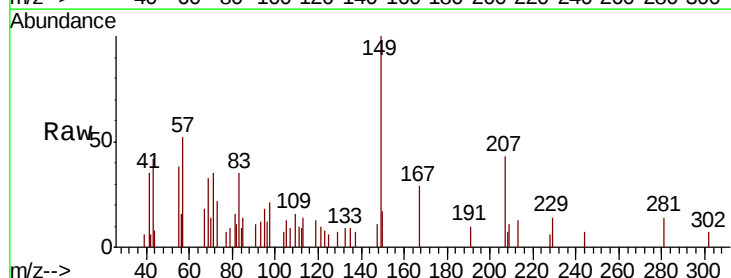
Instrument :
BNA_F
ClientSampled :
S5

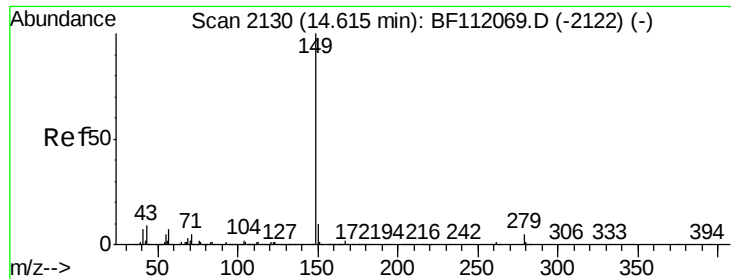
Tgt Ion: 228 Resp: 12103
Ion Ratio Lower Upper
228 100
226 30.9 25.0 37.6
229 21.1 16.6 24.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 0.277 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

Tgt Ion: 149 Resp: 5161
Ion Ratio Lower Upper
149 100
167 29.0 22.5 33.7
279 0.0 3.8 5.6#





#85

Di-n-octyl phthalate

Concen: 0.030 ng

RT: 14.59 min Scan# 2125

Delta R.T. -0.01 min

Lab File: BF112243.D

Acq: 25 Jan 2019 20:27

Instrument :

BNA_F

ClientSampled :

S5

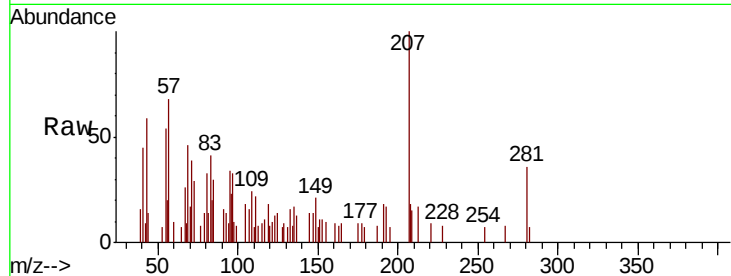
Tgt Ion:149 Resp: 872

Ion Ratio Lower Upper

149 100

167 27.5 1.3 1.9#

43 133.3 7.8 11.6#

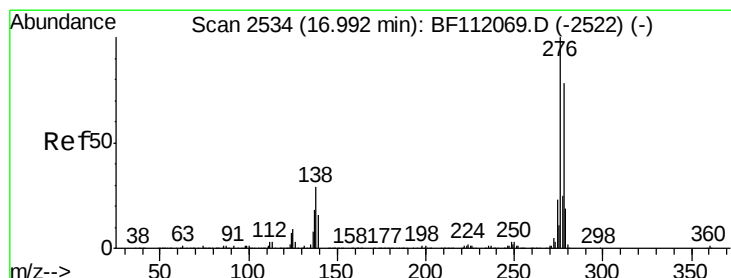
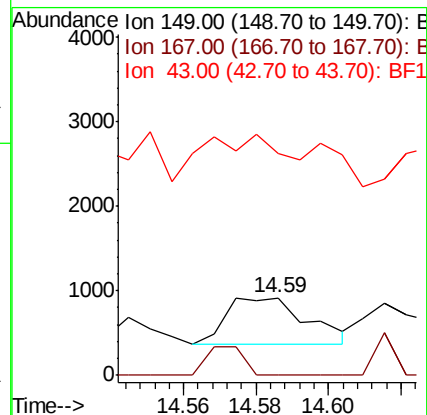
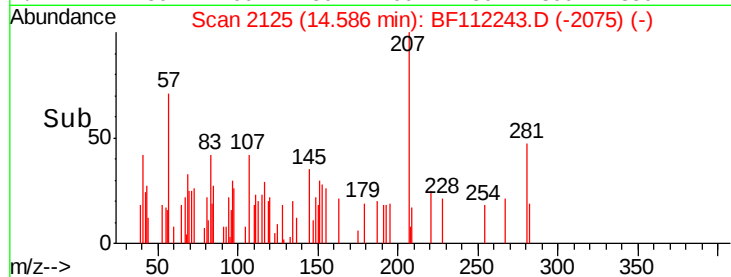


Abundance

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: 0.383 ng

RT: 16.94 min Scan# 2525

Delta R.T. -0.04 min

Lab File: BF112243.D

Acq: 25 Jan 2019 20:27

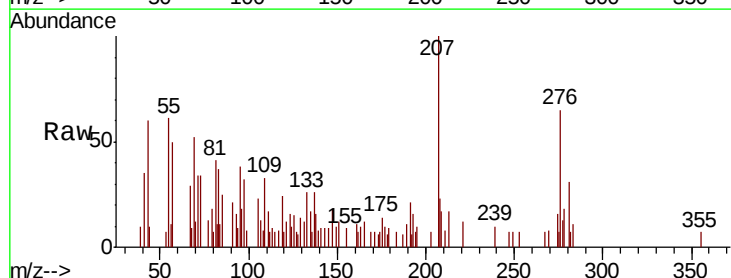
Tgt Ion:276 Resp: 6664

Ion Ratio Lower Upper

276 100

138 34.2 22.6 34.0#

277 25.7 20.3 30.5

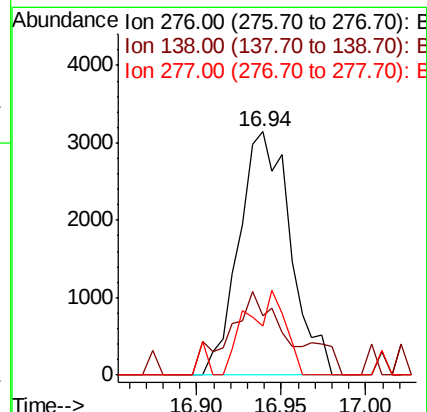
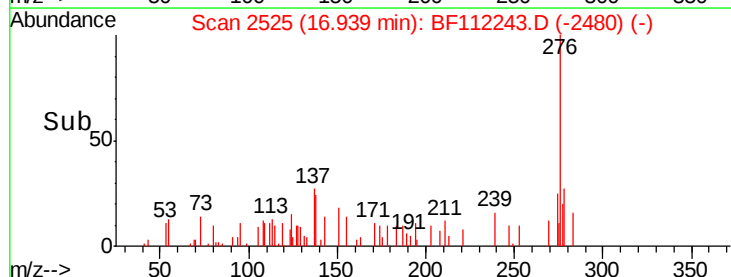


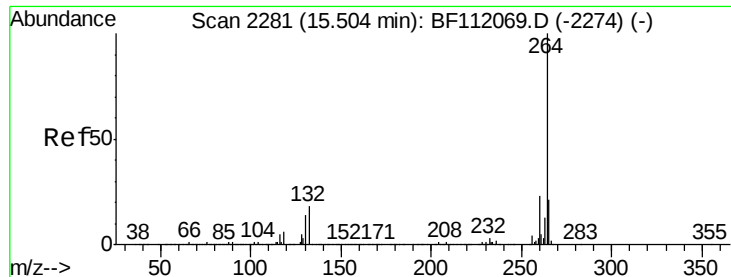
Abundance

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

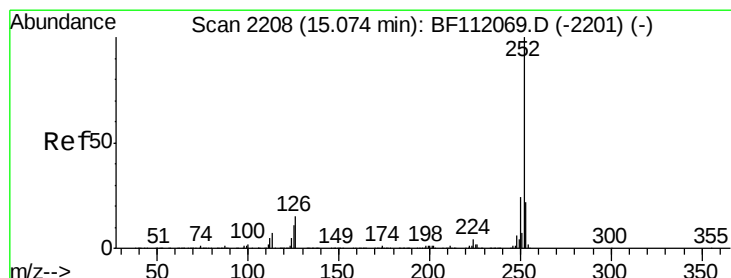
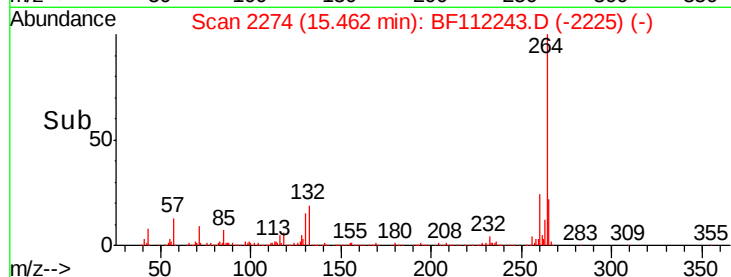
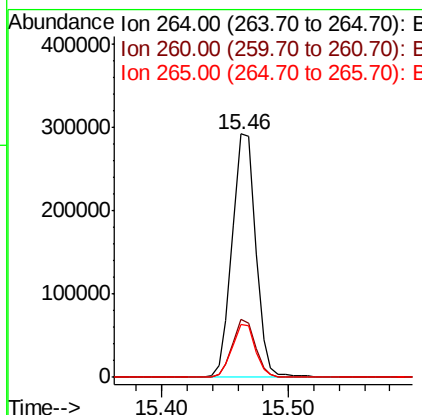
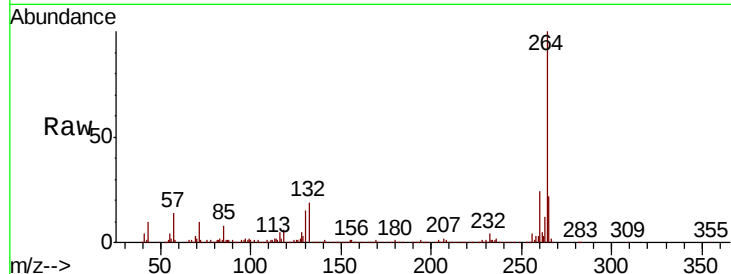




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

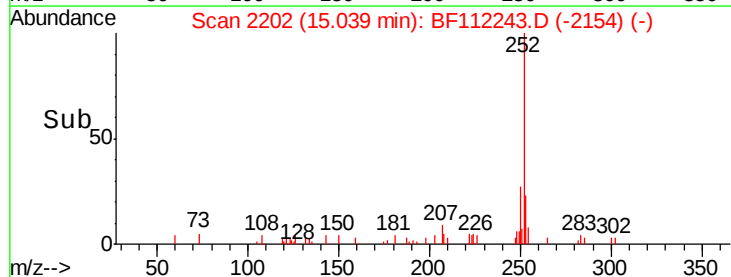
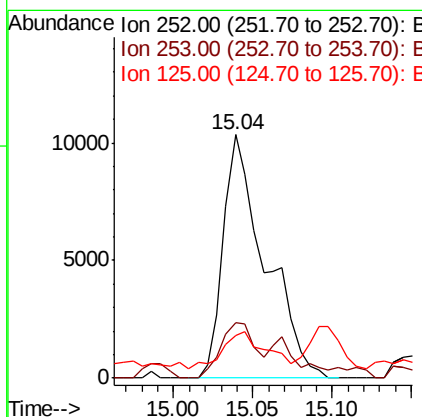
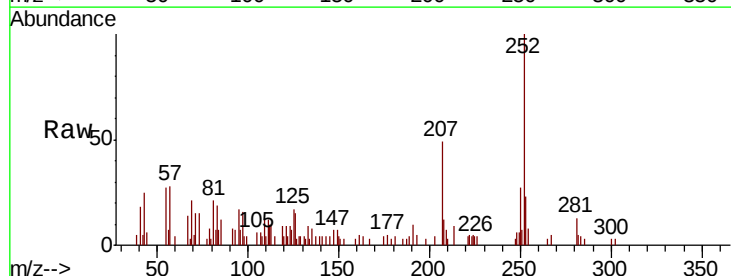
Instrument :
BNA_F
ClientSampleId :
S5

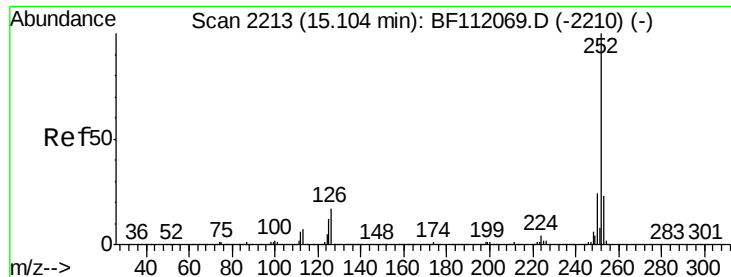
Tgt Ion:	264	Resp:	376369
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.2	27.2
265	21.9	17.0	25.4



#88
Benzo(b)fluoranthene
Concen: 0.845 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

Tgt Ion:	252	Resp:	19026
Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	17.3	8.7	13.1#

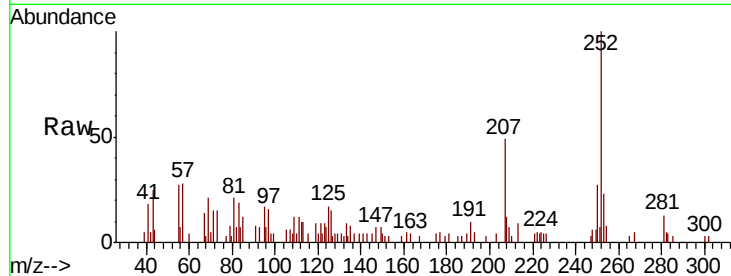




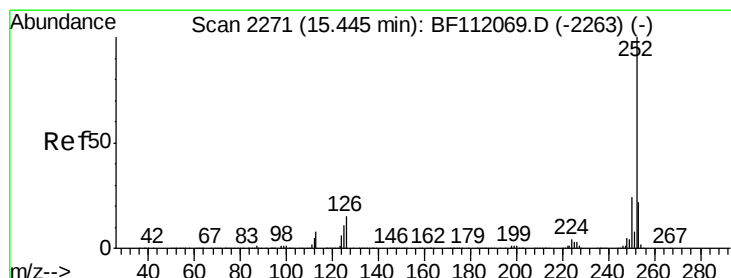
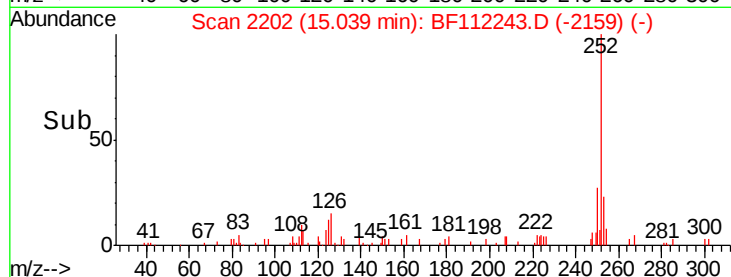
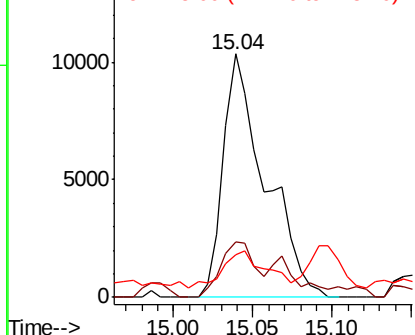
#89
Benzo(k)fluoranthene
Concen: 0.882 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.05 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

Instrument :
BNA_F
ClientSampleId :
S5

Tgt Ion:252 Resp: 19026
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 17.3 9.1 13.7#

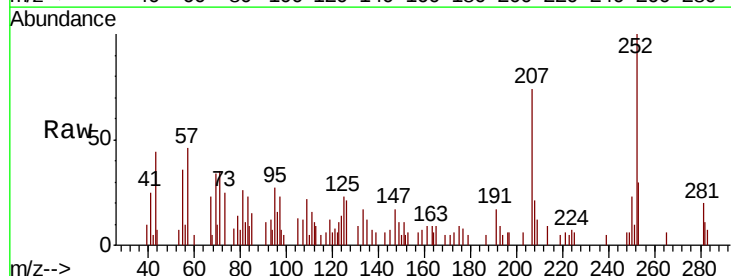


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

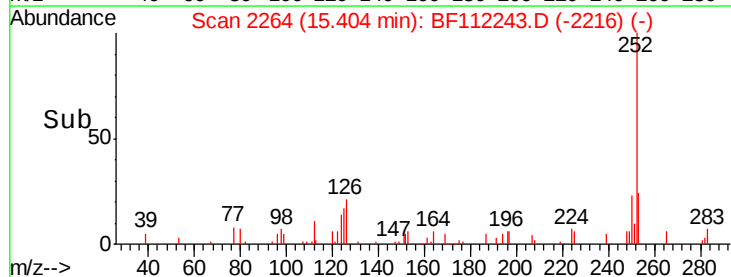
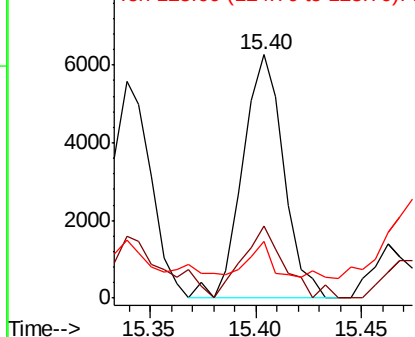


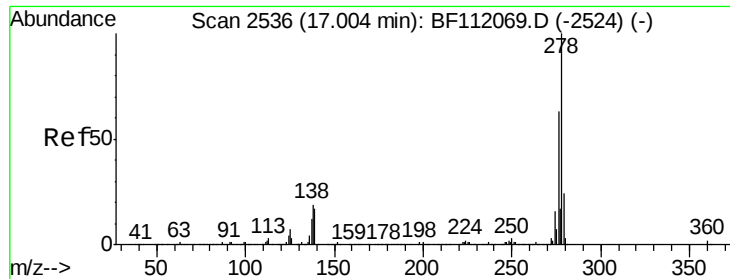
#90
Benzo(a)pyrene
Concen: 0.417 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.02 min
Lab File: BF112243.D
Acq: 25 Jan 2019 20:27

Tgt Ion:252 Resp: 8447
Ion Ratio Lower Upper
252 100
253 29.8 17.5 26.3#
125 23.1 9.0 13.4#



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





#91

Dibenzo(a,h)anthracene

Concen: 0.112 ng

RT: 16.94 min Scan# 2526

Delta R.T. -0.04 min

Lab File: BF112243.D

Acq: 25 Jan 2019 20:27

Instrument :

BNA_F

ClientSampled :

S5

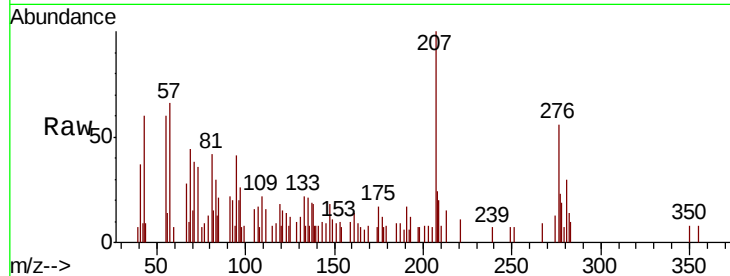
Tgt Ion:278 Resp: 1827

Ion Ratio Lower Upper

278 100

139 85.9 13.7 20.5#

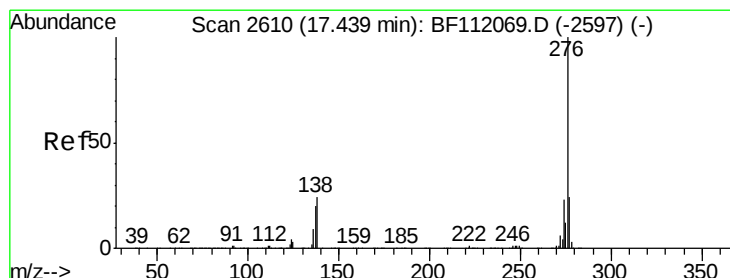
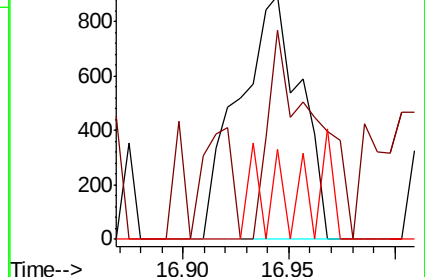
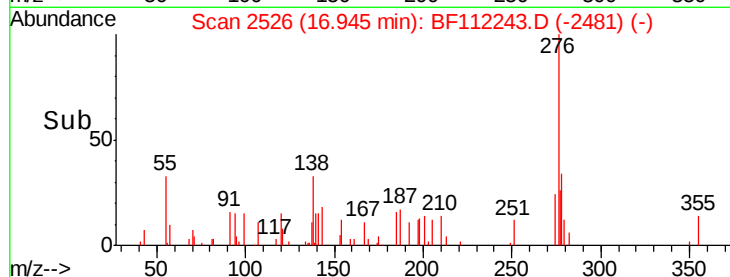
279 36.7 19.0 28.6#



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: 0.397 ng

RT: 17.39 min Scan# 2601

Delta R.T. -0.03 min

Lab File: BF112243.D

Acq: 25 Jan 2019 20:27

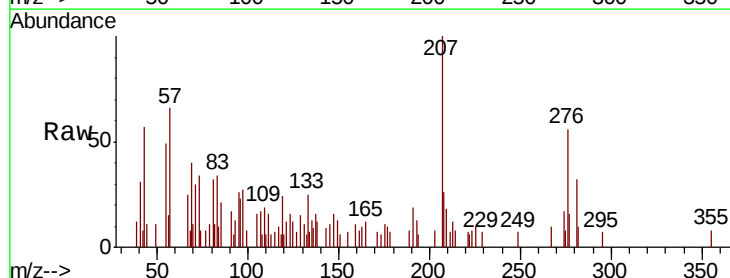
Tgt Ion:276 Resp: 6121

Ion Ratio Lower Upper

276 100

277 27.7 19.4 29.0

138 21.2 19.1 28.7



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

