

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022819\
 Data File : BF112787.D
 Acq On : 1 Mar 2019 3:11
 Operator : JU/SJ
 Sample : K1650-08 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-4(4-5)

Quant Time: Mar 01 04:58:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 27 16:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	172266	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	622354	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	243660	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	454719	20.00	ng	0.00
76) Chrysene-d12	13.87	240	479331	20.00	ng	0.00
87) Perylene-d12	15.29	264	396004	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.34	112	55326	5.00	ng	0.00
7) Phenol-d6	6.36	99	93330	6.71	ng	0.00
23) Nitrobenzene-d5	7.30	82	52371	5.04	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	7749	3.00	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	97259	-7.50	ng	0.00
79) Terphenyl-d14	12.83	244	100763	4.08	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.43	88	147	0.026	ng	# 1
4) n-Nitrosodimethylamine	3.02	42	112	0.017	ng	# 1
9) Benzaldehyde	6.50	77	1691	0.169	ng	# 73
10) Phenol	6.37	94	4127	0.254	ng	# 94
15) Benzyl Alcohol	6.90	79	1050	0.099	ng	# 38
16) 2,2'-oxybis(1-Chloropropan	7.13	45	121	0.006	ng	# 71
19) n-Nitroso-di-n-propylamine	7.30	70	7346	0.834	ng	# 79
22) Acetophenone	7.15	105	142	0.010	ng	# 28
25) Isophorone	7.30	82	52370	2.337	ng	# 66
31) Naphthalene	8.05	128	3176	0.103	ng	# 97
33) 4-Chloroaniline	8.05	127	388	0.030	ng	# 19
37) 2-Methylnaphthalene	8.74	142	953	0.048	ng	# 92
38) 1-Methylnaphthalene	8.83	142	1210	0.063	ng	# 87
46) 1,1'-Biphenyl	9.20	154	520	0.026	ng	# 42
48) 2-Nitroaniline	9.10	65	117	0.025	ng	# 27
49) Acenaphthylene	9.63	152	9960	0.378	ng	# 95
50) Dimethylphthalate	9.49	163	4930	0.274	ng	# 93
51) 2,6-Dinitrotoluene	9.77	165	31421	8.398	ng	# 18
52) Acenaphthene	9.80	154	5443	0.353	ng	# 98
55) Dibenzofuran	9.97	168	3493	0.156	ng	# 98
56) 4-Nitrophenol	9.97	139	1417	0.382	ng	# 6
57) 2,4-Dinitrotoluene	9.77	165	31421	6.756	ng	# 17
58) Fluorene	10.32	166	6302	0.397	ng	# 86
60) Diethylphthalate	10.19	149	123	0.006	ng	# 60
63) Azobenzene	10.47	77	113	0.006	ng	# 1
66) n-Nitrosodiphenylamine	10.43	169	626	0.043	ng	# 40
67) 4-Bromophenyl-phenylether	10.56	248	318	0.066	ng	# 1
71) Phenanthrene	11.27	178	127473	5.634	ng	# 95
72) Anthracene	11.32	178	30565	1.291	ng	# 98
73) Carbazole	11.47	167	9767	0.423	ng	# 97
74) Di-n-butylphthalate	11.82	149	1406	0.051	ng	# 70
75) Fluoranthene	12.46	202	218352	9.008	ng	# 95
77) Benzidine	12.71	184	513	0.021	ng	# 1
78) Pyrene	12.68	202	252396	6.246	ng	# 99

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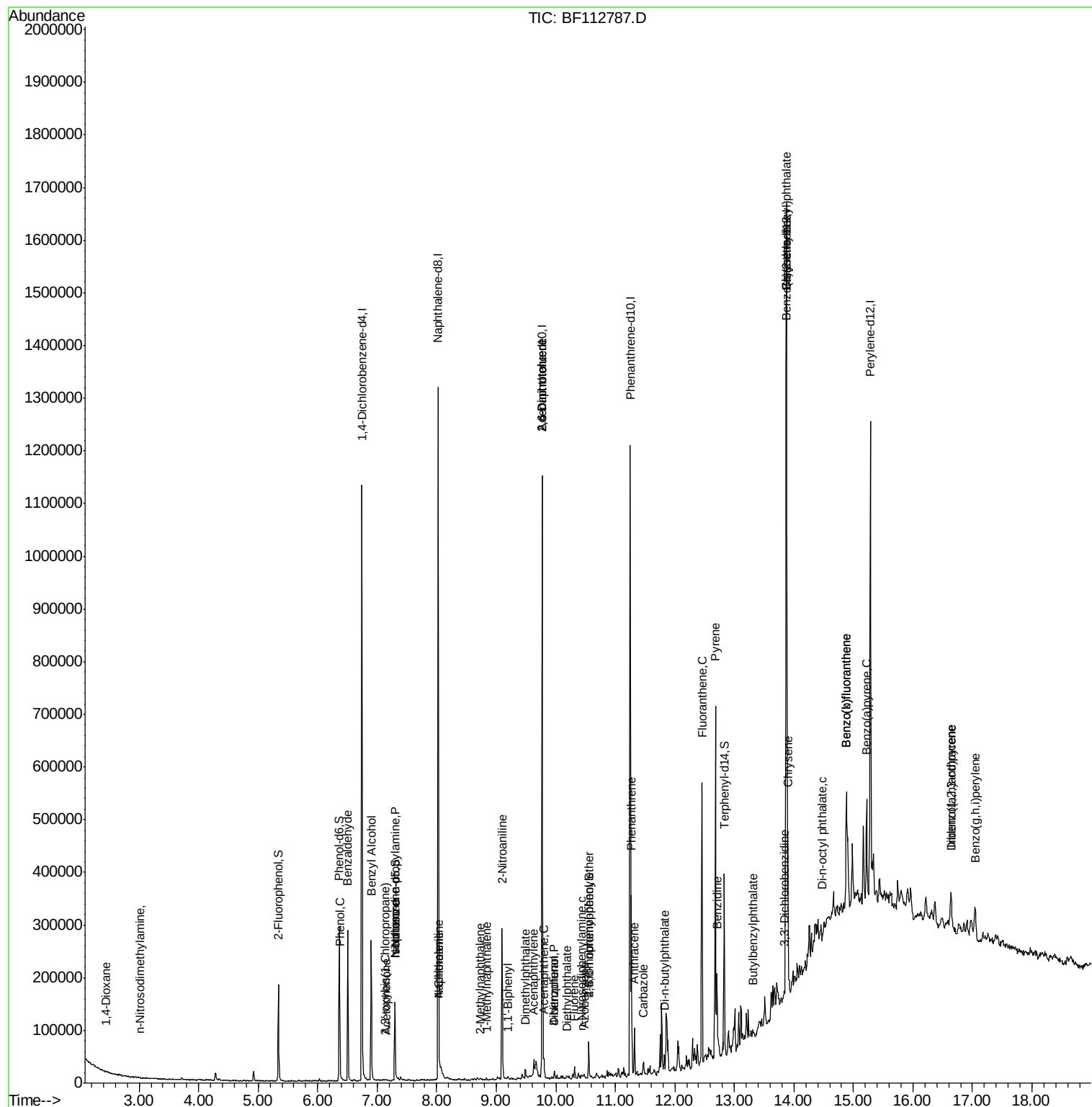
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	13.30	149	677	0.038	ng	# 65
81) Benzo(a)anthracene	13.86	228	125438	3.776	ng	99
82) 3,3'-Dichlorobenzidine	13.83	252	275	0.022	ng	# 1
83) Chrysene	13.90	228	114203	3.510	ng	98
84) Bis(2-ethylhexyl)phthalate	13.87	149	5043	0.241	ng	# 96
85) Di-n-octyl phthalate	14.48	149	277	0.008	ng	# 1
86) Indeno(1,2,3-cd)pyrene	16.64	276	43794	1.579	ng	94
88) Benzo(b)fluoranthene	14.88	252	166663	6.507	ng	99
89) Benzo(k)fluoranthene	14.88	252	166663	7.183	ng	100
90) Benzo(a)pyrene	15.22	252	89946	3.970	ng	99
91) Dibenzo(a,h)anthracene	16.65	278	11498	0.595	ng	# 68
92) Benzo(g,h,i)perylene	17.04	276	42073	2.167	ng	97

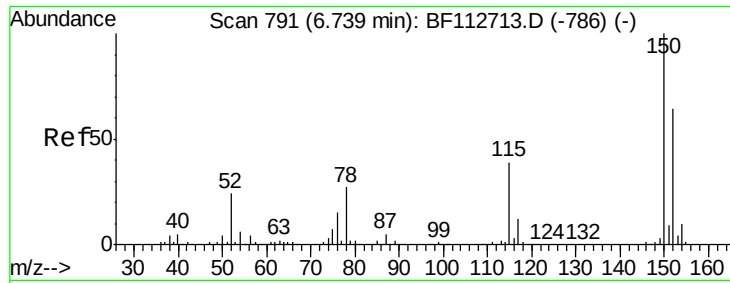
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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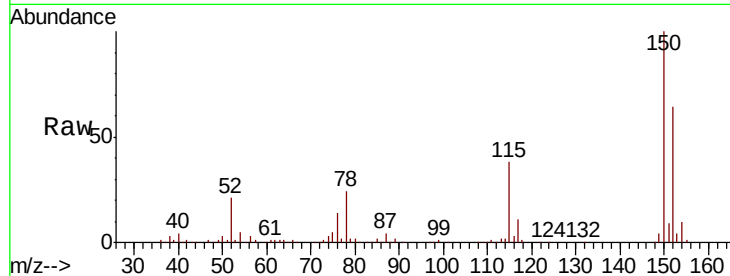


#1

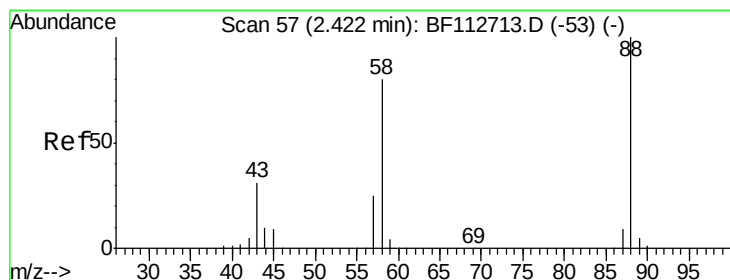
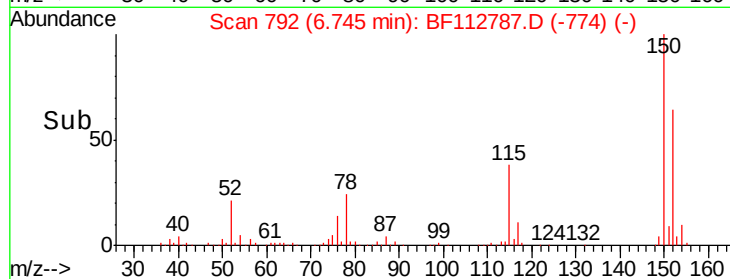
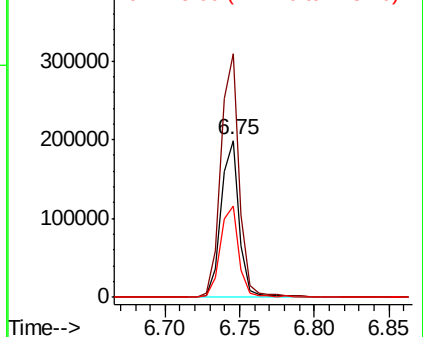
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Instrument :
BNA_F
ClientSampleId :
B-4(4-5)

Tgt Ion:152 Resp: 172266
Ion Ratio Lower Upper
152 100
150 155.4 124.2 186.2
115 58.5 48.2 72.4



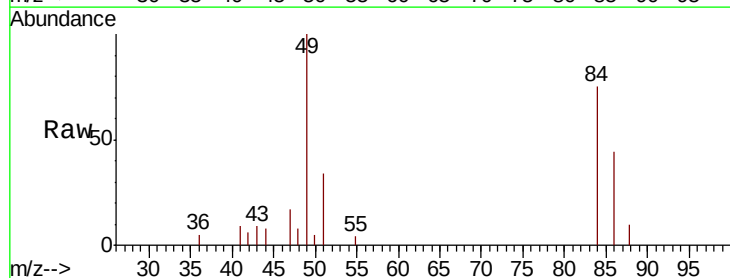
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



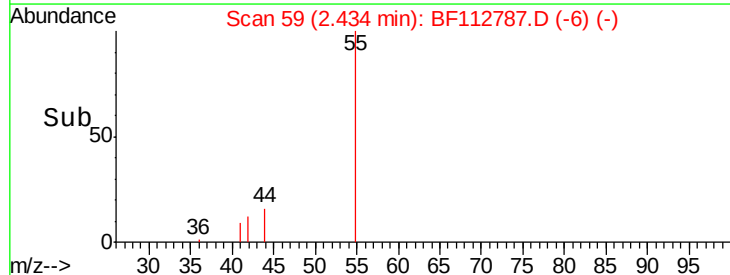
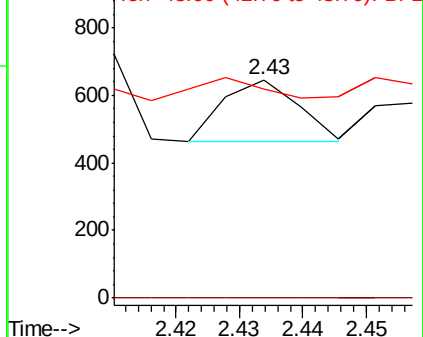
#2

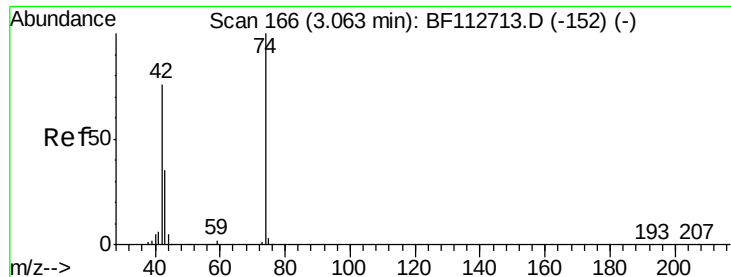
1,4-Dioxane
Concen: 0.026 ng
RT: 2.43 min Scan# 59
Delta R.T. 0.01 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Tgt Ion: 88 Resp: 147
Ion Ratio Lower Upper
88 100
58 0.0 63.1 94.7#
43 120.4 24.3 36.5#



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





#4

n-Nitrosodimethylamine

Concen: 0.017 ng

RT: 3.02 min Scan# 159

Delta R.T. -0.04 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

Instrument :

BNA_F

ClientSampleId :

B-4(4-5)

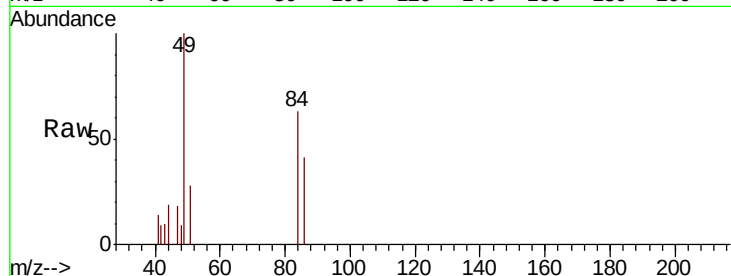
Tgt Ion: 42 Resp: 112

Ion Ratio Lower Upper

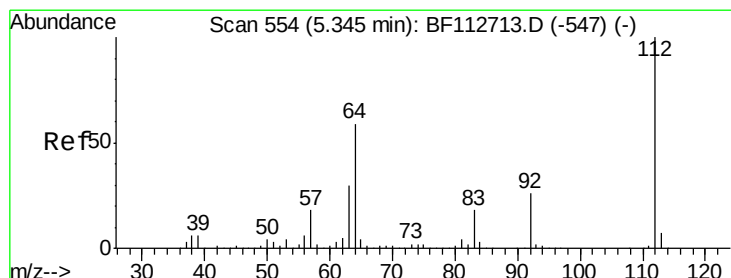
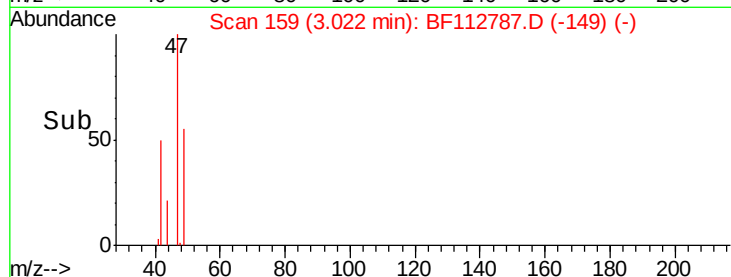
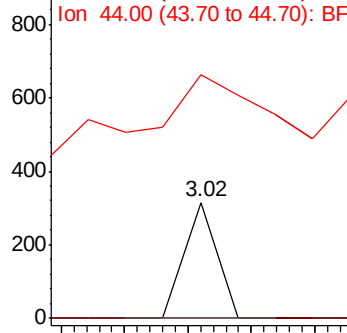
42 100

74 0.0 105.8 158.8#

44 209.8 6.2 9.2#



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: 4.996 ng

RT: 5.34 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

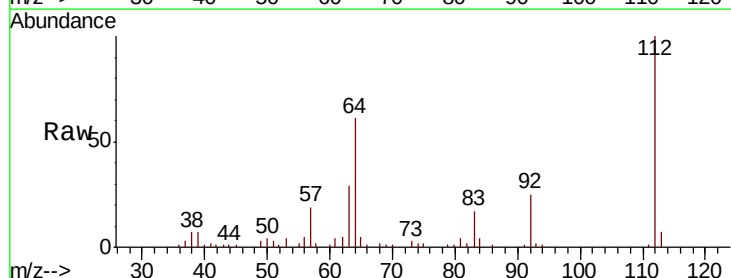
Tgt Ion: 112 Resp: 55326

Ion Ratio Lower Upper

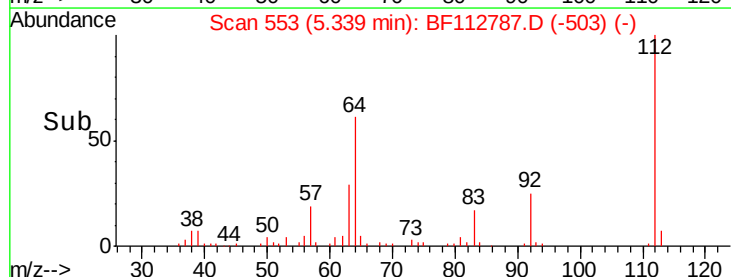
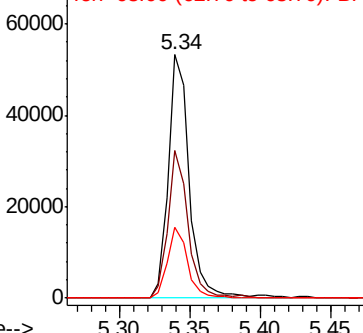
112 100

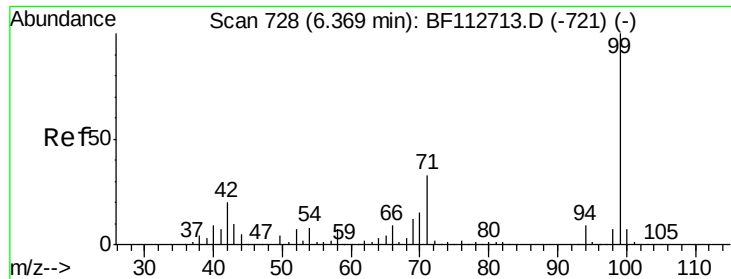
64 60.6 47.6 71.4

63 28.9 24.4 36.6



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





#7

Phenol-d6

Concen: 6.709 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

Instrument :

BNA_F

ClientSampled :

B-4(4-5)

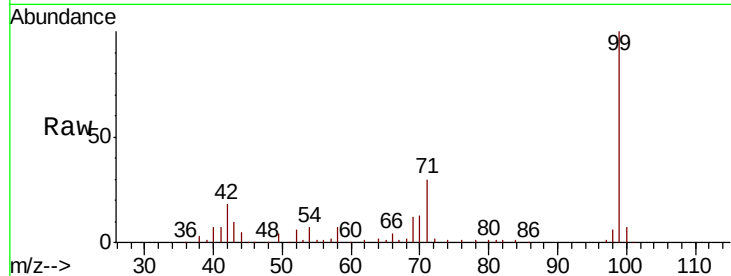
Tgt Ion: 99 Resp: 93330

Ion Ratio Lower Upper

99 100

42 17.6 16.3 24.5

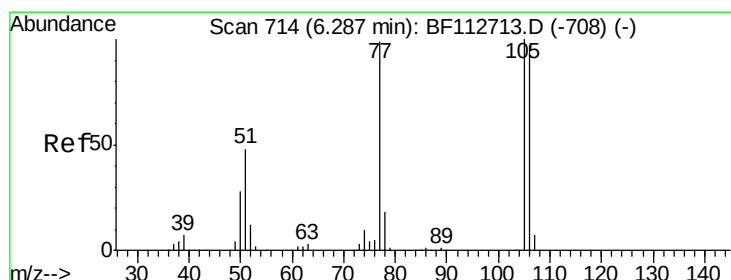
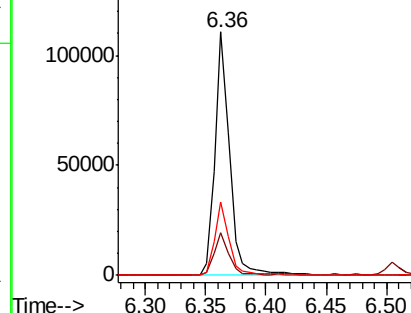
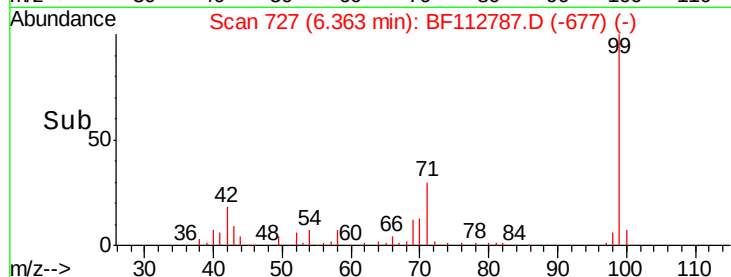
71 29.9 26.2 39.4



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



#9

Benzaldehyde

Concen: 0.169 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.22 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

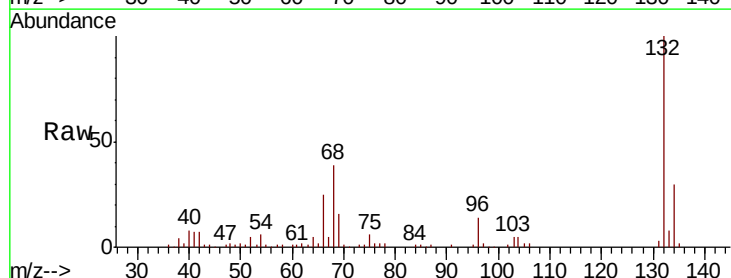
Tgt Ion: 77 Resp: 1691

Ion Ratio Lower Upper

77 100

105 72.4 81.4 121.4#

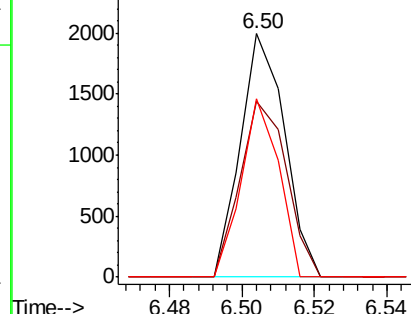
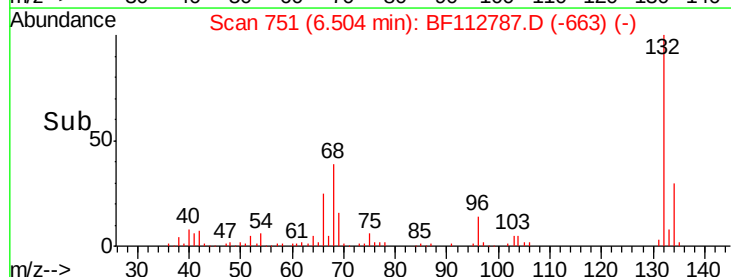
106 73.0 78.3 118.3#

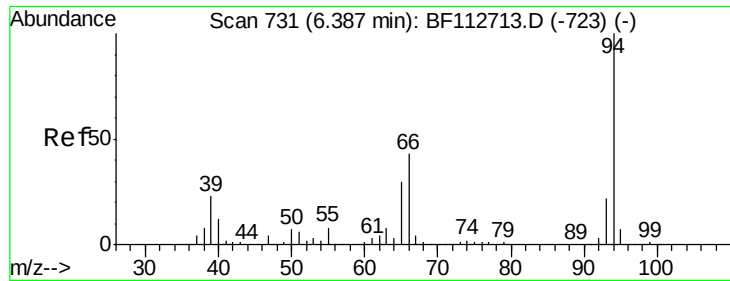


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

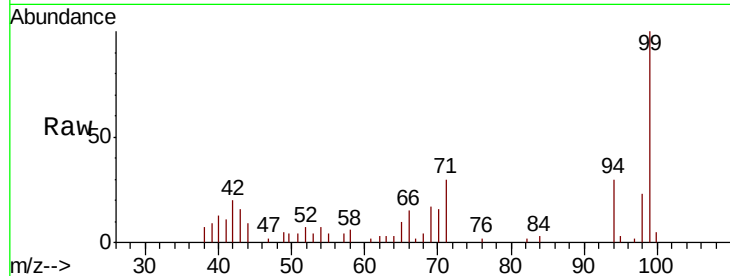




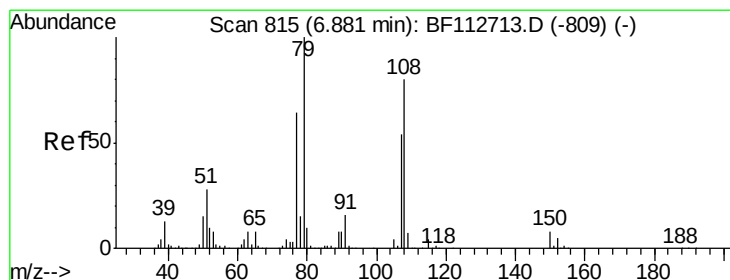
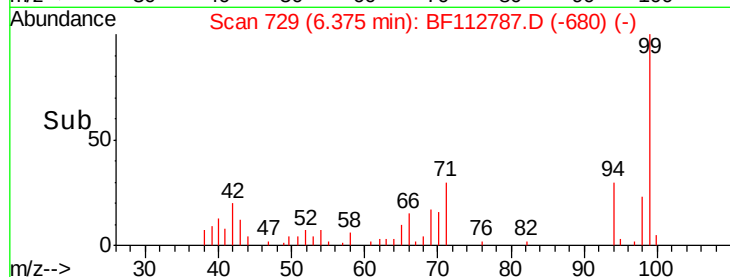
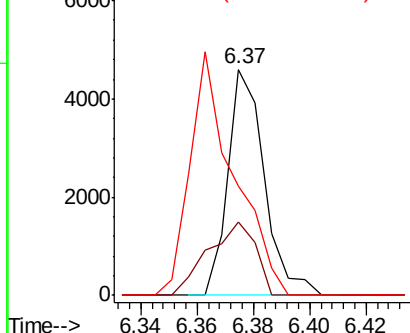
#10
Phenol
Concen: 0.254 ng
RT: 6.37 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Instrument :
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B-4(4-5)

Tgt Ion: 94 Resp: 4127
Ion Ratio Lower Upper
94 100
65 32.2 10.5 50.5
66 48.1 22.6 62.6

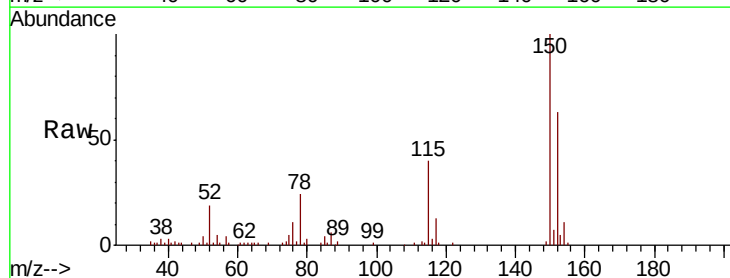


Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

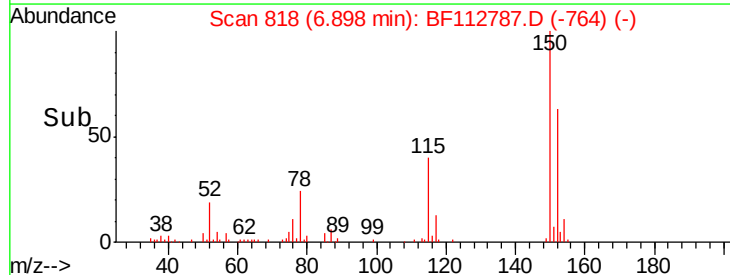
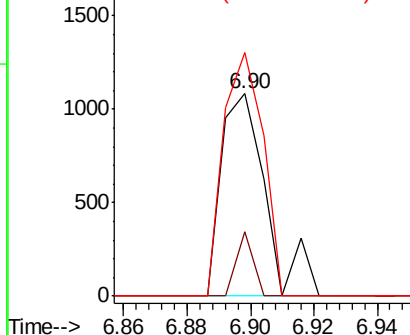


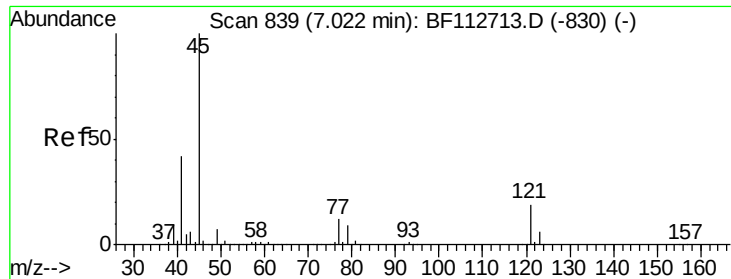
#15
Benzyl Alcohol
Concen: 0.099 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.02 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Tgt Ion: 79 Resp: 1050
Ion Ratio Lower Upper
79 100
108 31.9 64.2 96.4#
77 120.3 51.1 76.7#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1

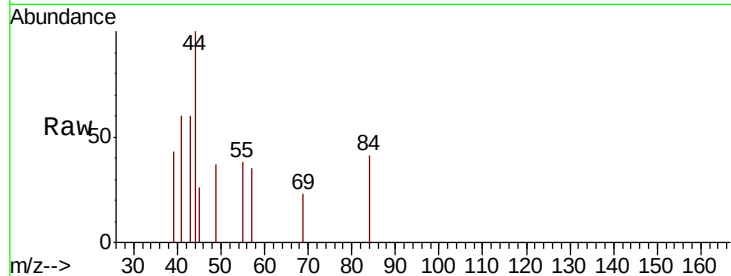




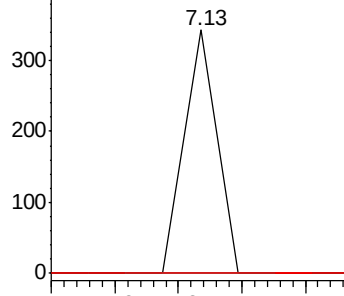
#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.006 ng
RT: 7.13 min Scan# 858
Delta R.T. 0.11 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Instrument :
BNA_F
ClientSampleId :
B-4(4-5)

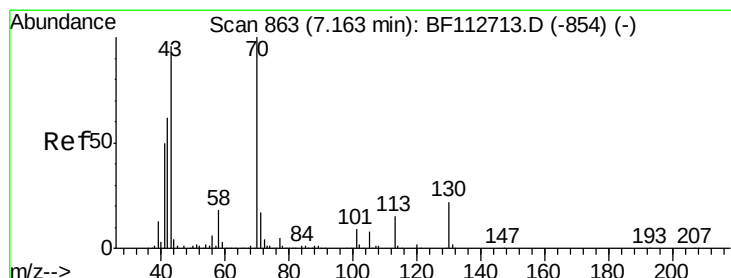
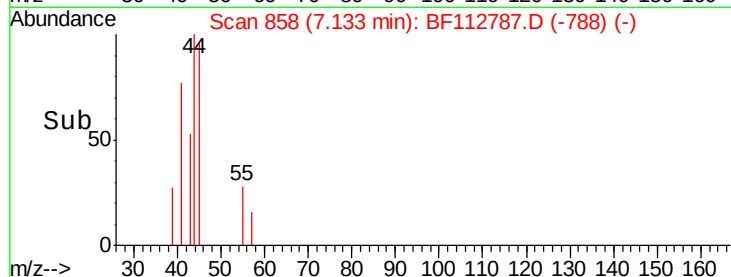
Tgt Ion: 45 Resp: 121
Ion Ratio Lower Upper
45 100
77 0.0 0.0 32.1
79 0.0 0.0 29.4



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

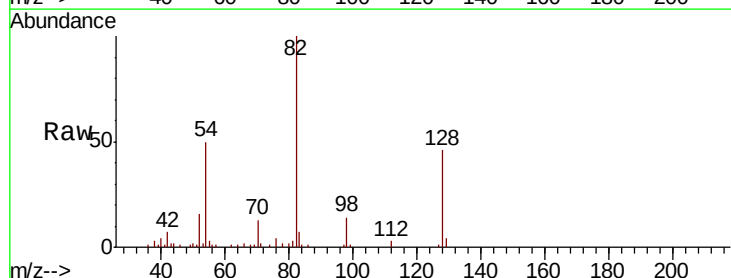


Time--> 7.11 7.12 7.13 7.14 7.15

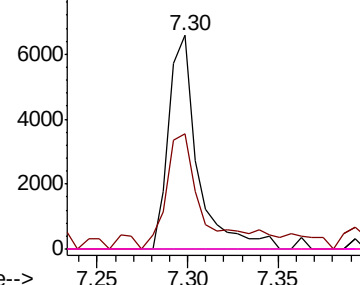


#19
n-Nitroso-di-n-propylamine
Concen: 0.834 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

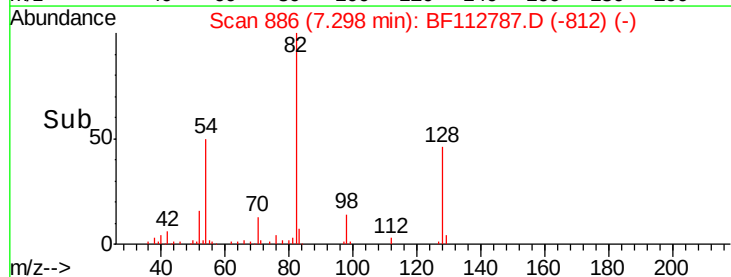
Tgt Ion: 70 Resp: 7346
Ion Ratio Lower Upper
70 100
42 53.9 49.9 74.9
101 0.0 7.4 11.2#
130 0.0 17.4 26.2#

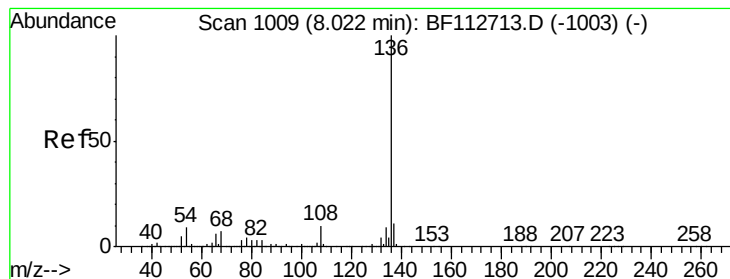


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1



Time--> 7.25 7.30 7.35





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

Instrument :

BNA_F

ClientSampleId :

B-4(4-5)

Tgt Ion:136 Resp: 622354

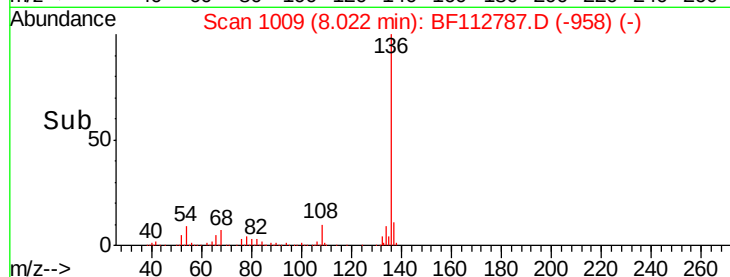
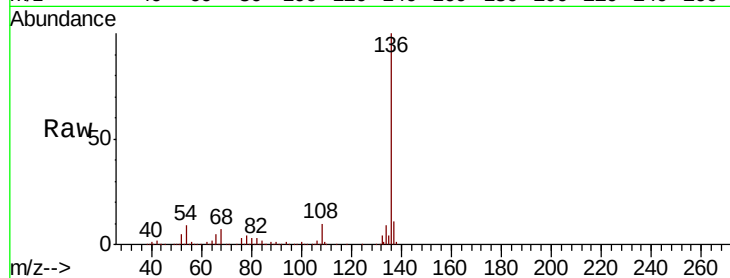
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.6 7.3 10.9

68 6.6 5.4 8.2

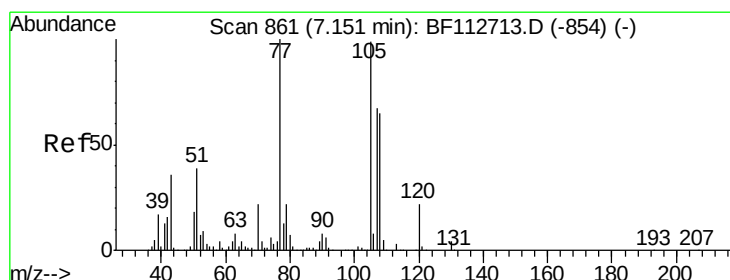
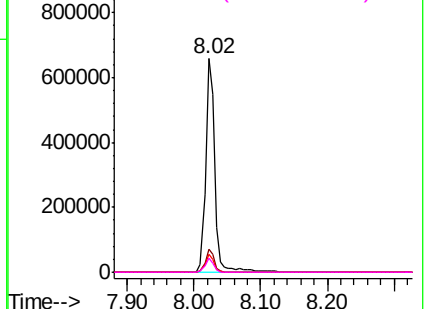


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 0.010 ng

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

Tgt Ion:105 Resp: 142

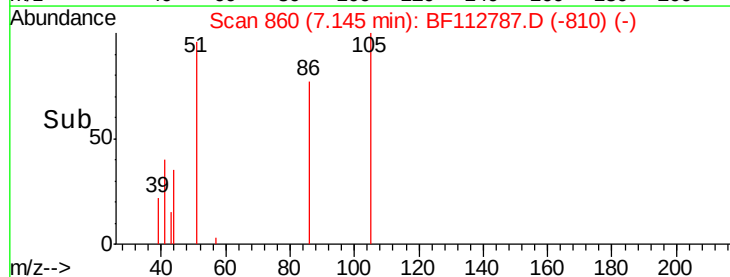
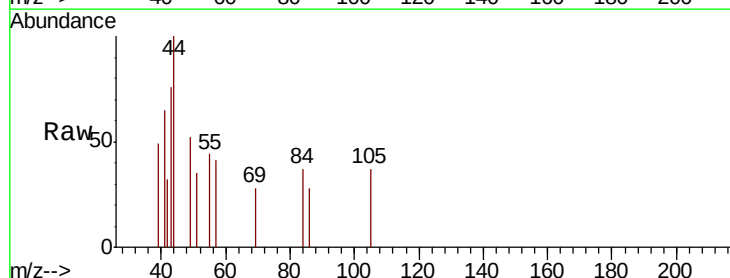
Ion Ratio Lower Upper

105 100

71 0.0 3.0 4.4#

51 96.3 31.5 47.3#

120 0.0 18.1 27.1#

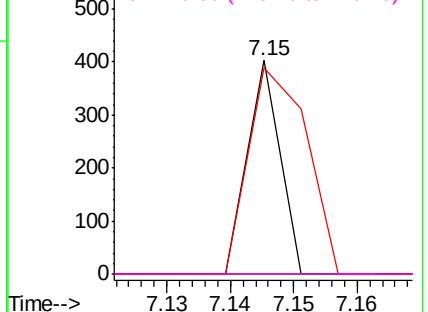


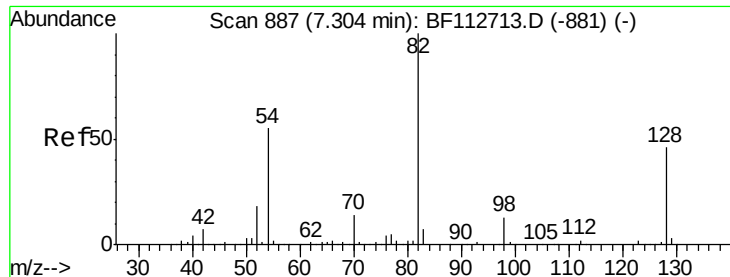
Abundance Ion 105.00 (104.70 to 105.70): E

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

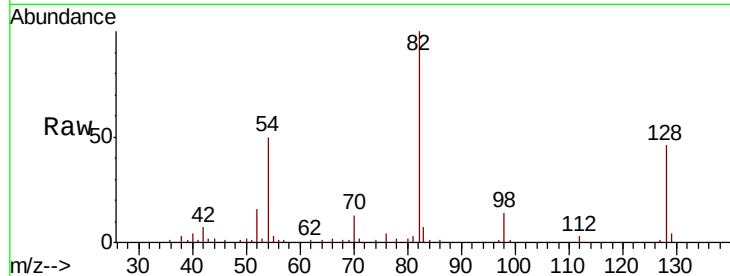




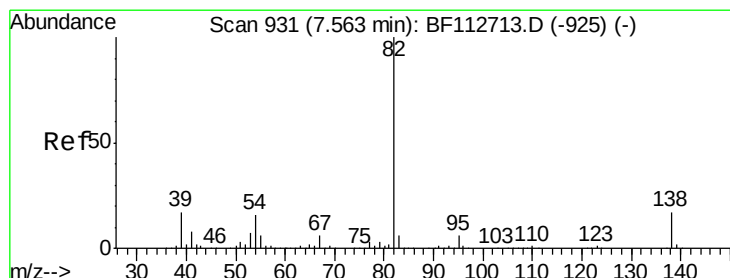
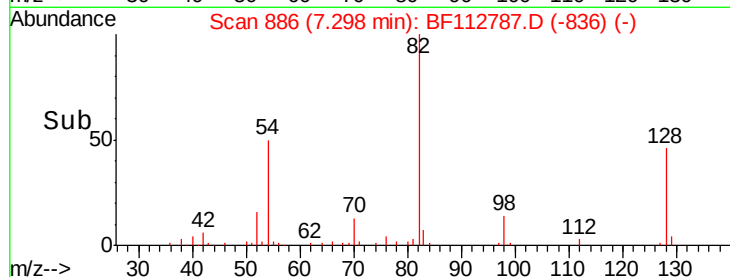
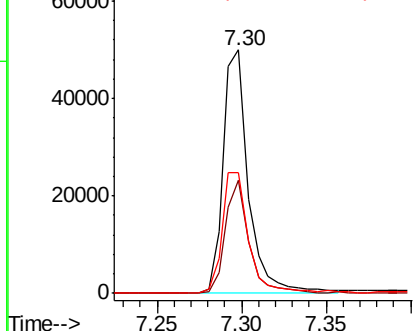
#23
Nitrobenzene-d5
Concen: 5.035 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Instrument :
BNA_F
ClientSampleId :
B-4(4-5)

Tgt Ion: 82 Resp: 52371
Ion Ratio Lower Upper
82 100
128 46.5 36.3 54.5
54 49.8 43.7 65.5

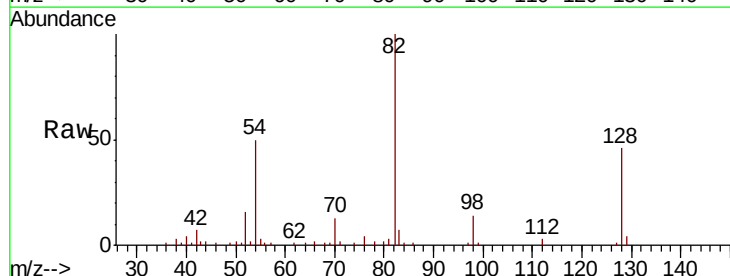


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

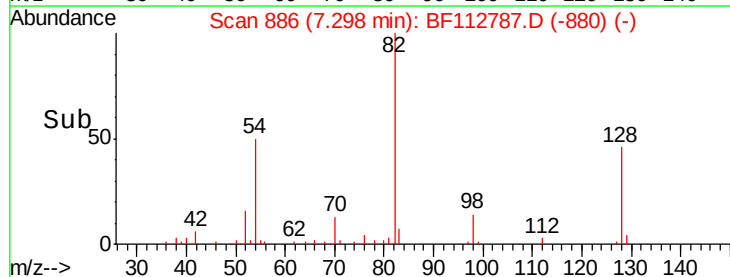
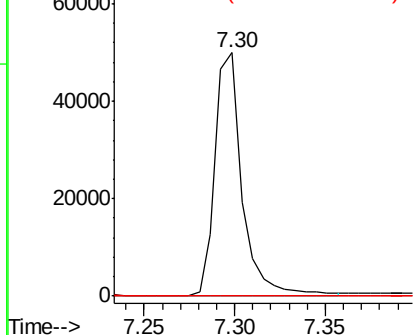


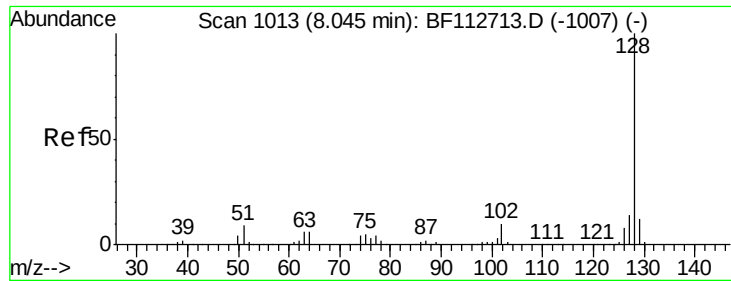
#25
Isophorone
Concen: 2.337 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.26 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Tgt Ion: 82 Resp: 52370
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 13.8 20.8#



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

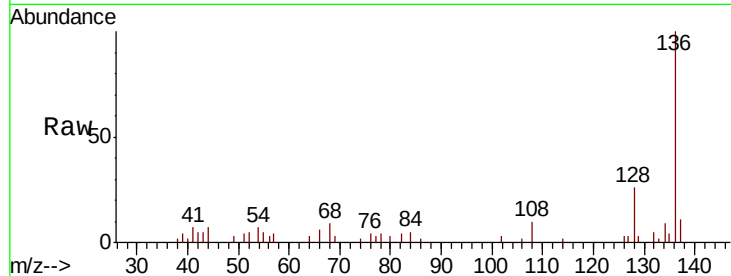




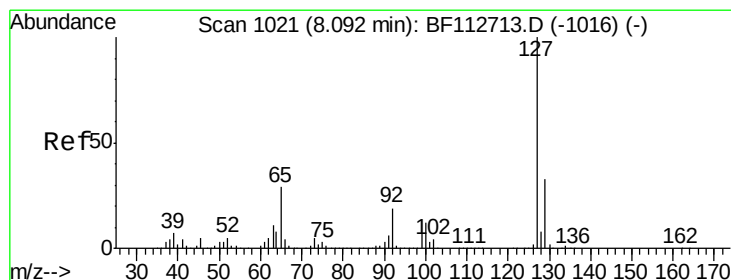
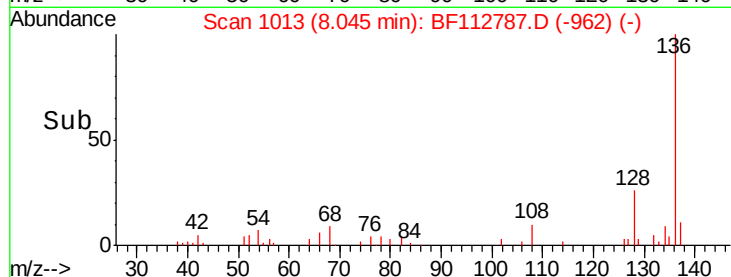
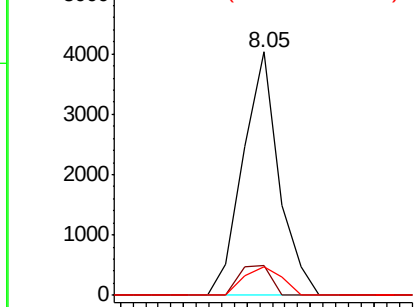
#31
Naphthalene
Concen: 0.103 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.00 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Instrument :
BNA_F
ClientSampled :
B-4(4-5)

Tgt Ion:128 Resp: 3176
Ion Ratio Lower Upper
128 100
129 12.1 9.3 13.9
127 11.5 10.9 16.3

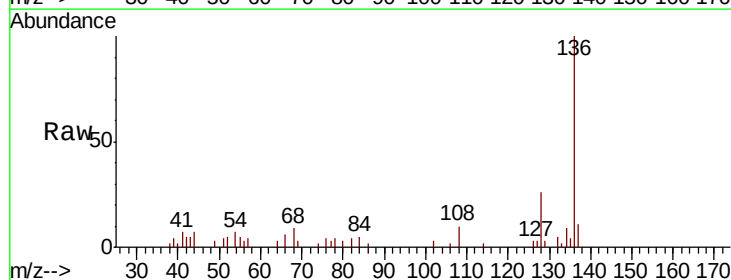


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

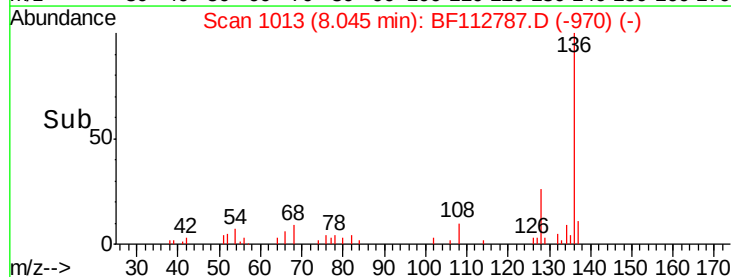
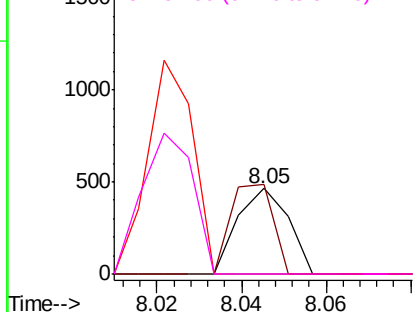


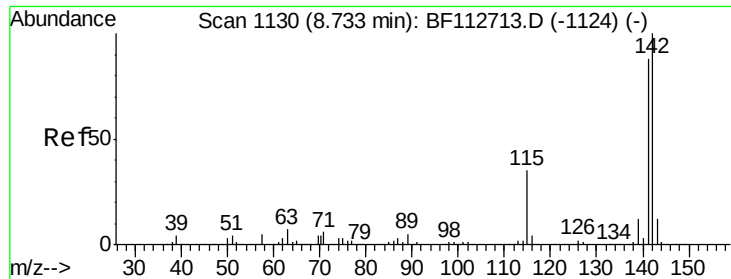
#33
4-Chloroaniline
Concen: 0.030 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.05 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Tgt Ion:127 Resp: 388
Ion Ratio Lower Upper
127 100
129 104.9 26.4 39.6#
65 0.0 23.1 34.7#
92 0.0 14.9 22.3#



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

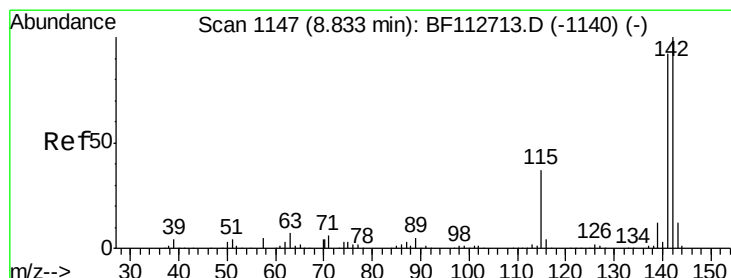
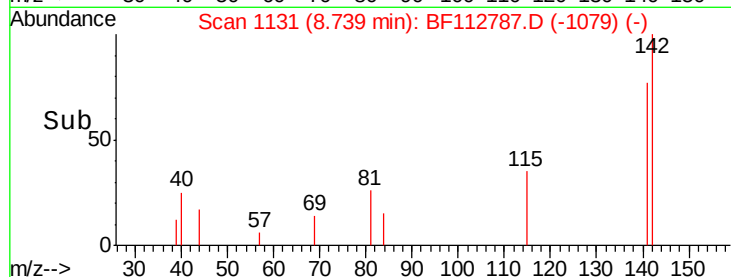
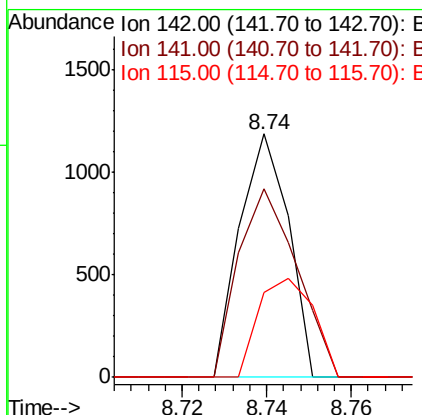
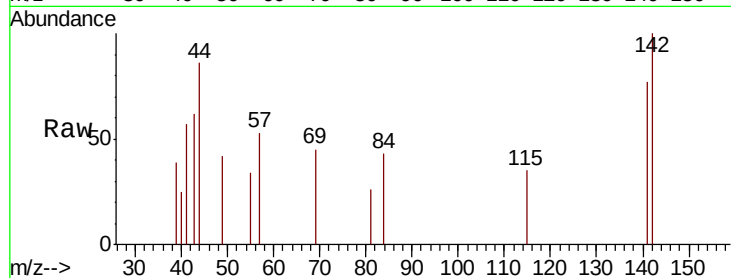




#37
 2-Methylnaphthalene
 Concen: 0.048 ng
 RT: 8.74 min Scan# 1131
 Delta R.T. 0.01 min
 Lab File: BF112787.D
 Acq: 1 Mar 2019 3:11

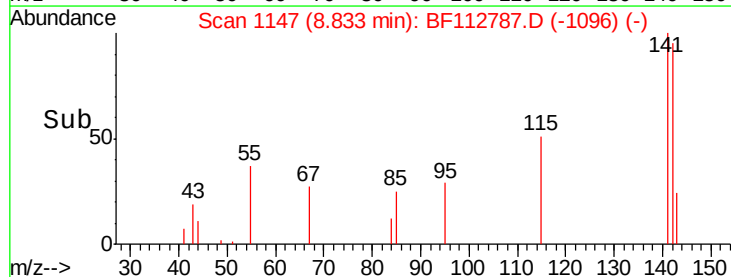
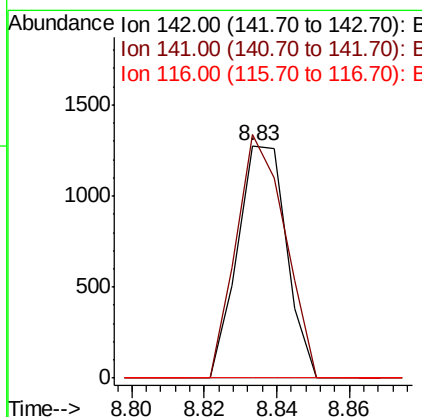
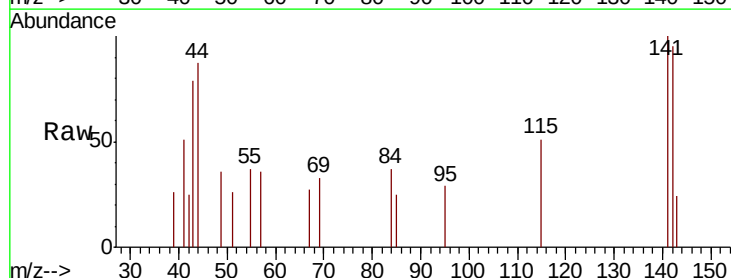
Instrument :
 BNA_F
 ClientSampleId :
 B-4(4-5)

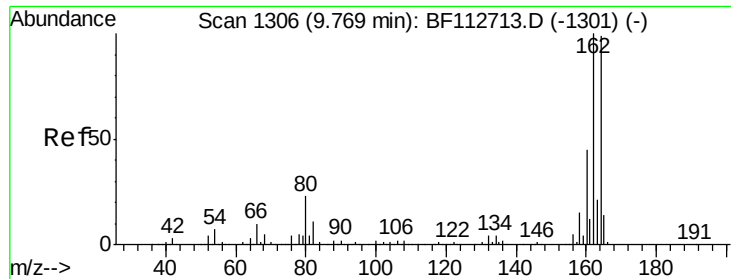
Tgt Ion:142 Resp: 953
 Ion Ratio Lower Upper
 142 100
 141 77.2 70.3 105.5
 115 34.7 27.8 41.6



#38
 1-Methylnaphthalene
 Concen: 0.063 ng
 RT: 8.83 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: BF112787.D
 Acq: 1 Mar 2019 3:11

Tgt Ion:142 Resp: 1210
 Ion Ratio Lower Upper
 142 100
 141 104.8 73.7 110.5
 116 0.0 3.1 4.7#

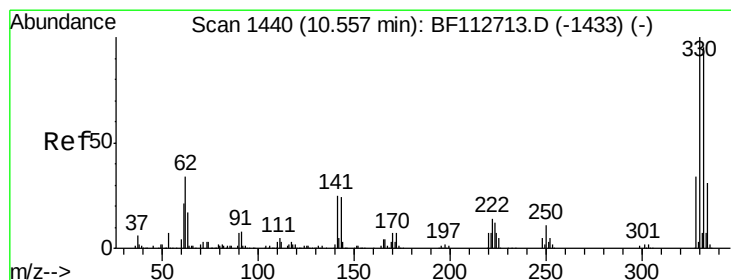
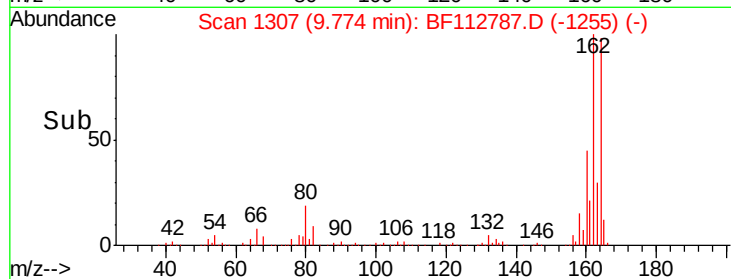
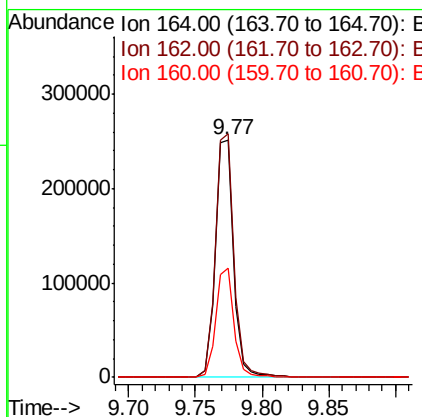
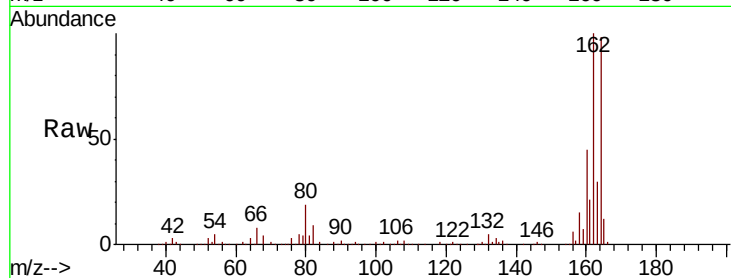




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. 0.01 min
 Lab File: BF112787.D
 Acq: 1 Mar 2019 3:11

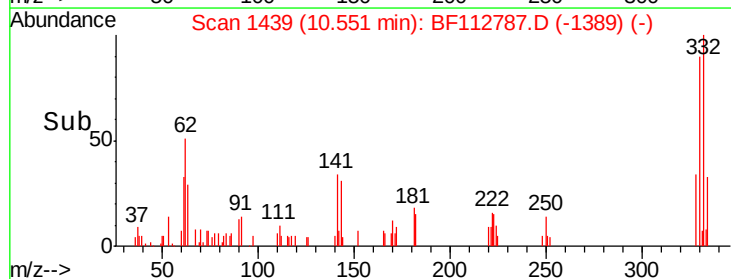
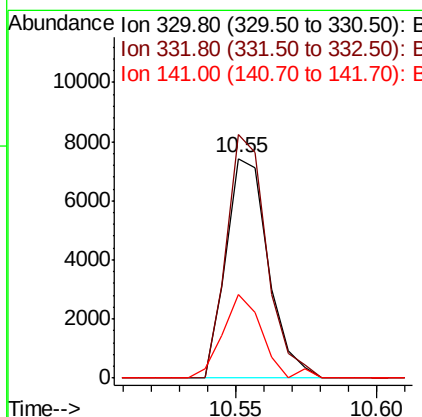
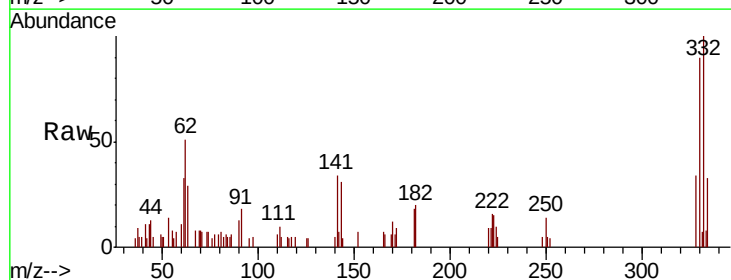
Instrument :
 BNA_F
 ClientSampleId :
 B-4(4-5)

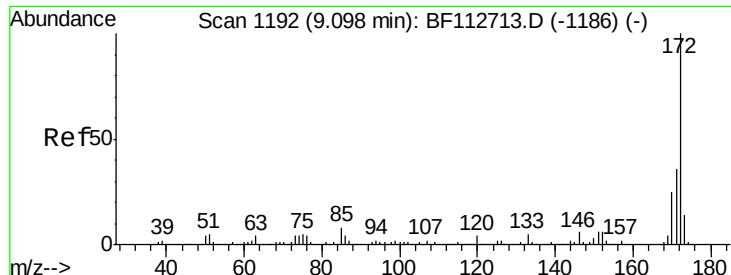
Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	80.6	120.8
160	45.9	36.0	54.0



#42
 2,4,6-Tribromophenol
 Concen: 2.996 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF112787.D
 Acq: 1 Mar 2019 3:11

Tgt Ion	Ratio	Lower	Upper
330	100		
332	105.1	76.2	114.4
141	35.5	27.0	40.6

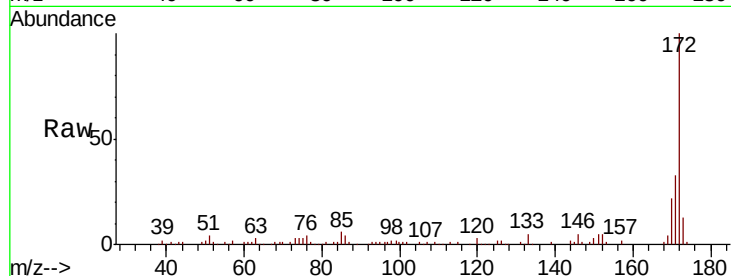




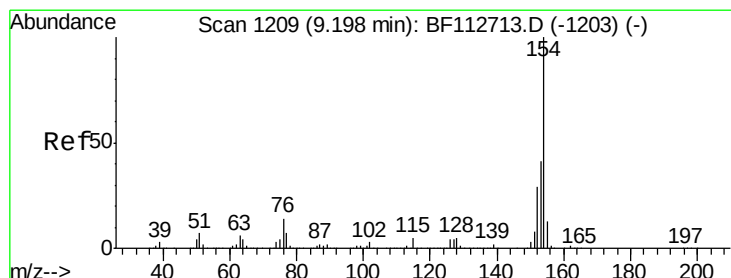
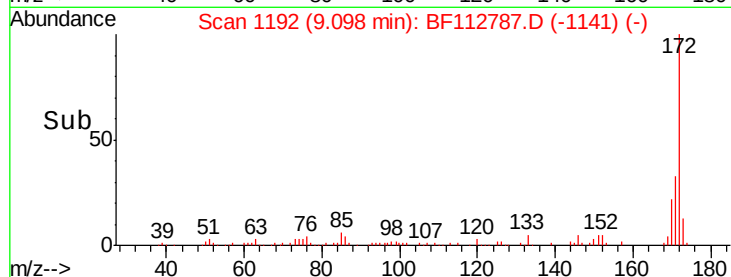
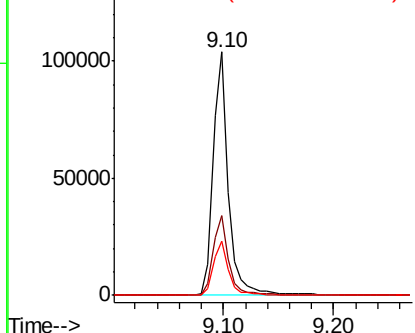
#45
2-Fluorobiphenyl
Concen: -7.498 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Instrument :
BNA_F
ClientSampleId :
B-4(4-5)

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.7	29.0	43.4
170	22.4	20.0	30.0

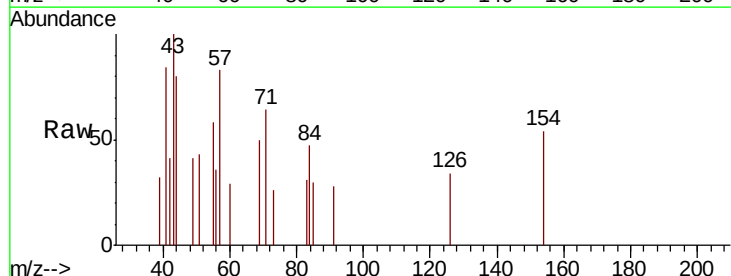


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

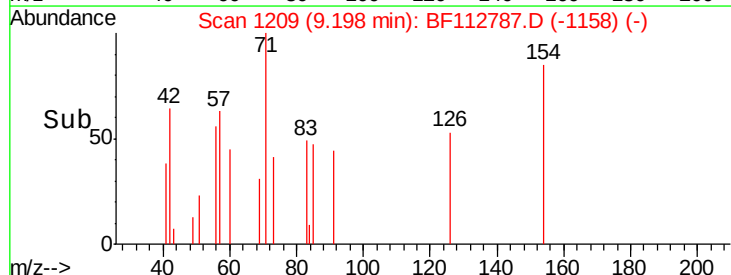
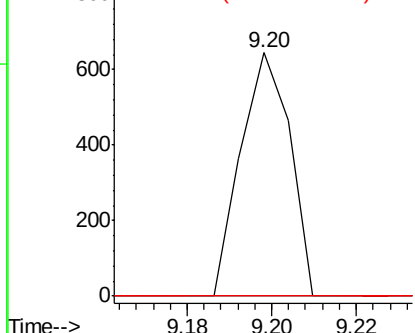


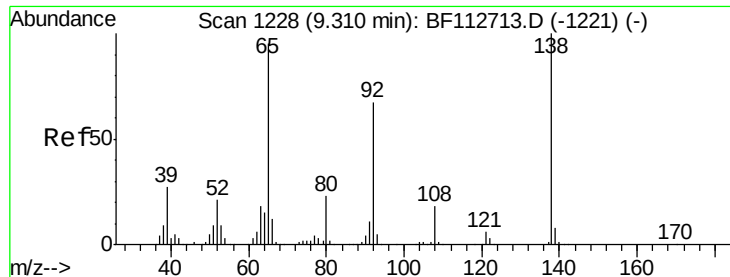
#46
1,1'-Biphenyl
Concen: 0.026 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.00 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Tgt Ion	Ratio	Lower	Upper
154	100		
153	0.0	20.8	60.8#
76	0.0	0.0	33.8



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

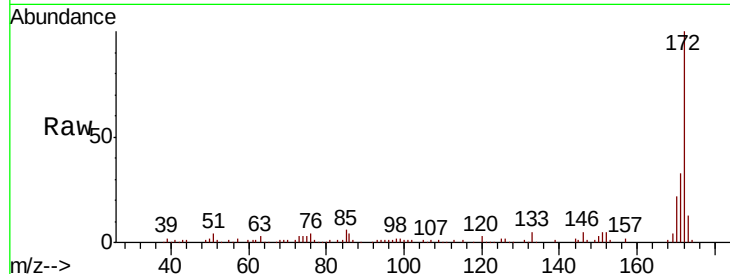




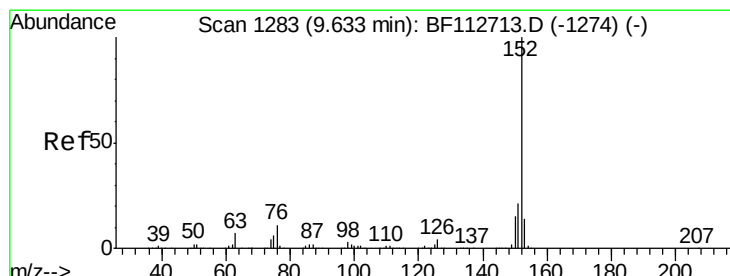
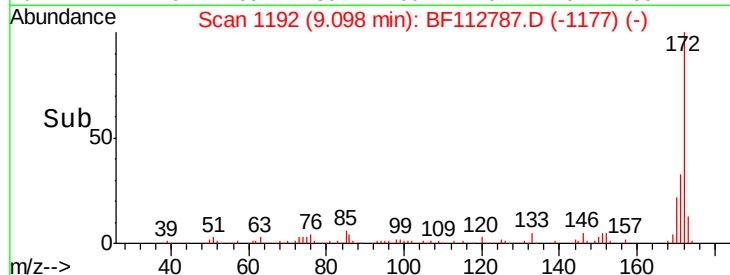
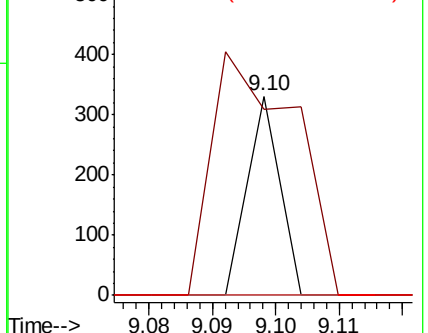
#48
2-Nitroaniline
Concen: 0.025 ng
RT: 9.10 min Scan# 1192
Delta R.T. -0.21 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Instrument :
BNA_F
ClientSampled :
B-4(4-5)

Tgt Ion: 65 Resp: 117
Ion Ratio Lower Upper
65 100
92 93.4 56.4 84.6#
138 0.0 84.6 126.8#

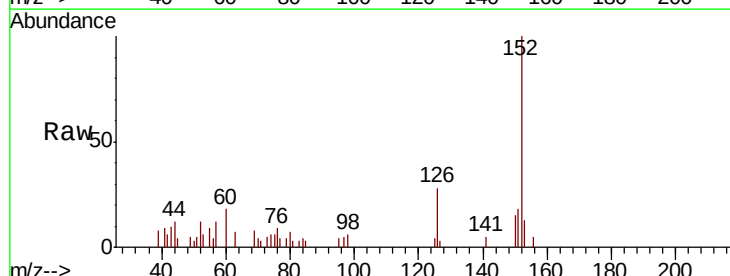


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

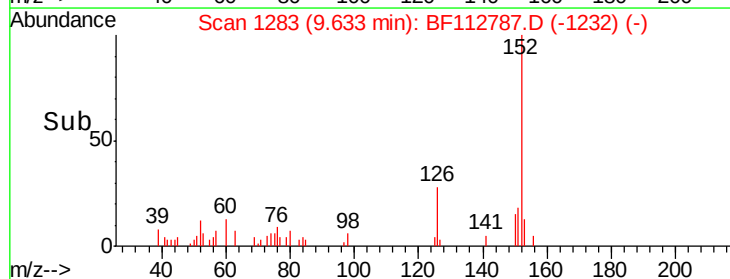
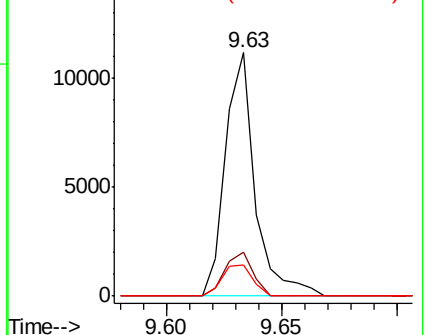


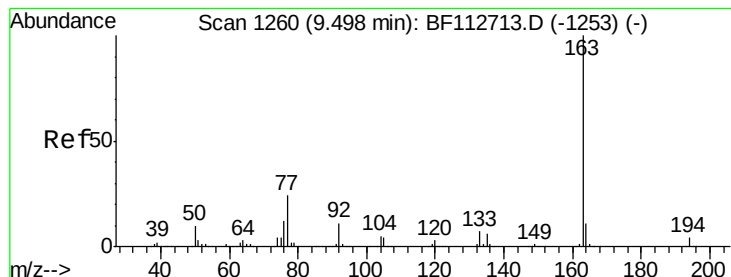
#49
Acenaphthylene
Concen: 0.378 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.00 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Tgt Ion: 152 Resp: 9960
Ion Ratio Lower Upper
152 100
151 17.8 16.9 25.3
153 12.6 11.0 16.6



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: 0.274 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

Instrument :

BNA_F

ClientSampleId :

B-4(4-5)

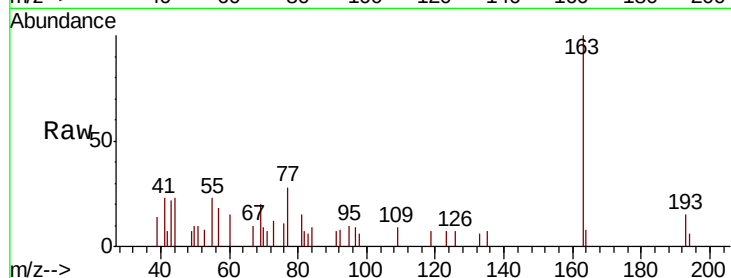
Tgt Ion:163 Resp: 4930

Ion Ratio Lower Upper

163 100

194 6.1 3.0 4.4#

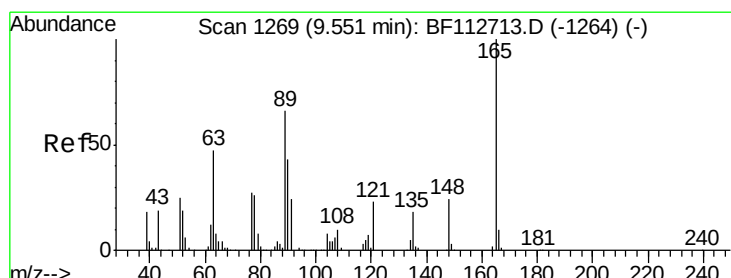
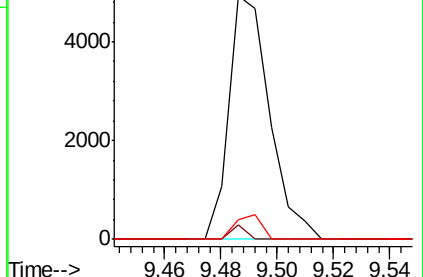
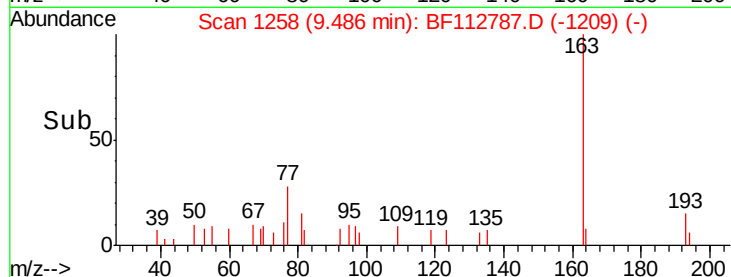
164 7.8 8.4 12.6#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 8.398 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.22 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

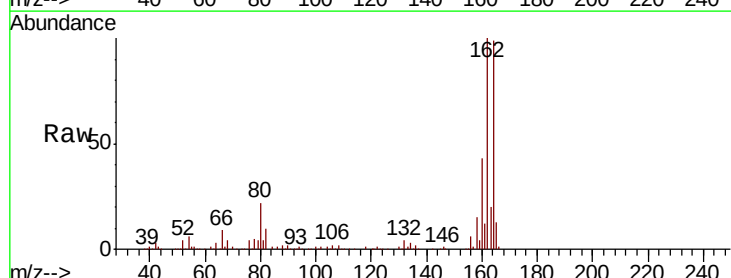
Tgt Ion:165 Resp: 31421

Ion Ratio Lower Upper

165 100

63 1.0 54.1 81.1#

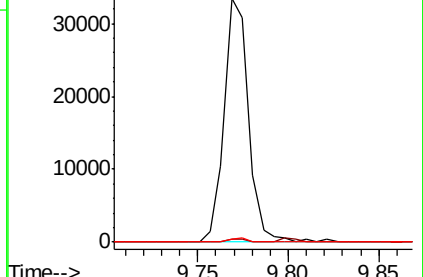
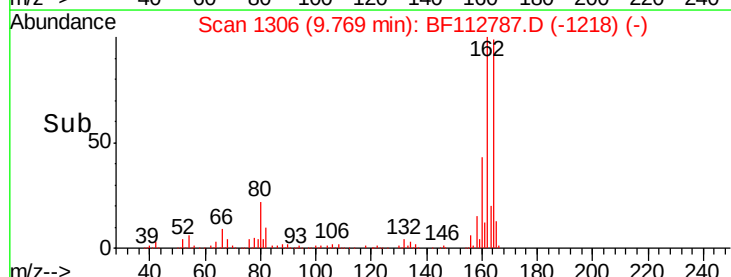
89 1.3 52.8 79.2#

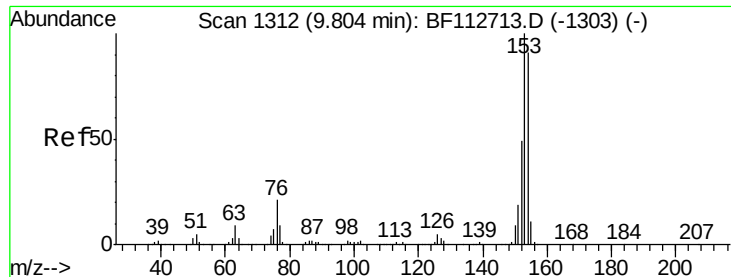


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 0.353 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

Instrument :

BNA_F

ClientSampleId :

B-4(4-5)

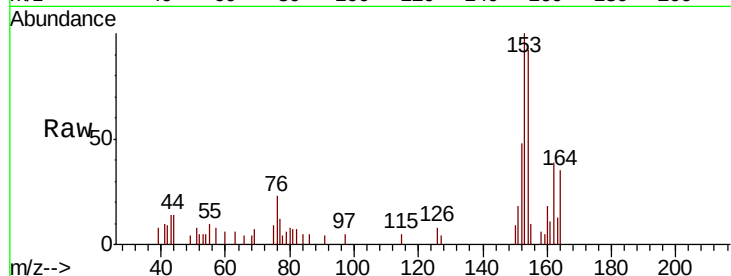
Tgt Ion:154 Resp: 5443

Ion Ratio Lower Upper

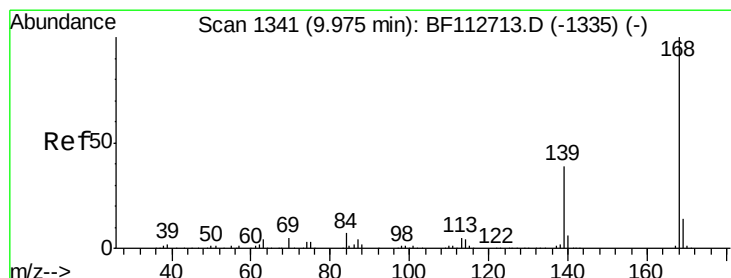
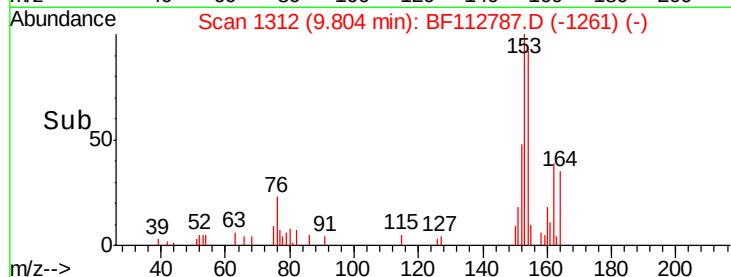
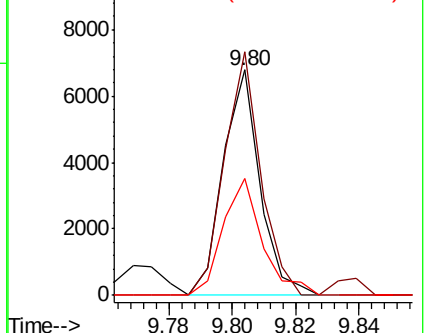
154 100

153 108.2 87.8 131.8

152 52.1 43.0 64.6



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: 0.156 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.00 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

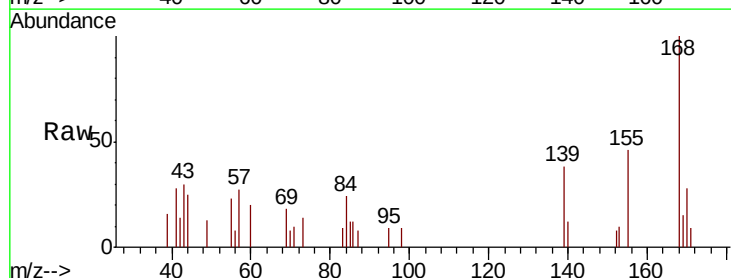
Tgt Ion:168 Resp: 3493

Ion Ratio Lower Upper

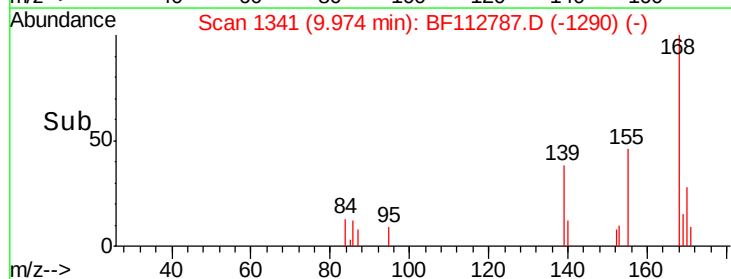
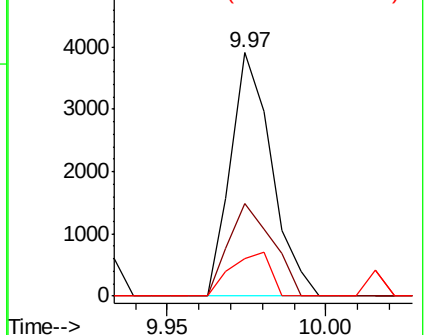
168 100

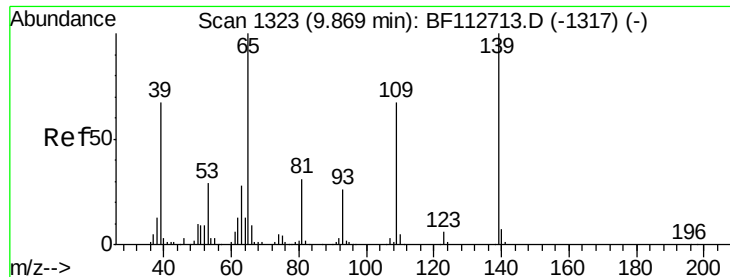
139 38.0 31.3 46.9

169 15.2 11.3 16.9



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

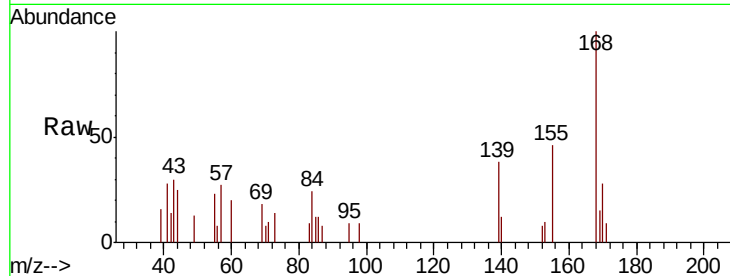




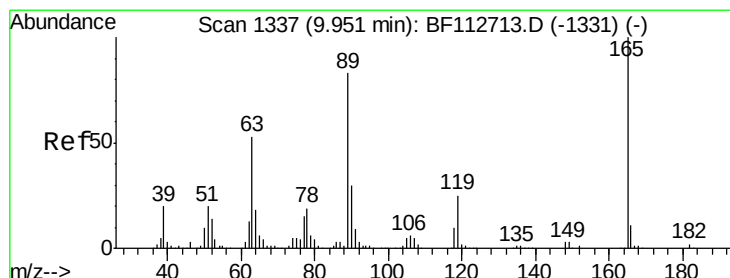
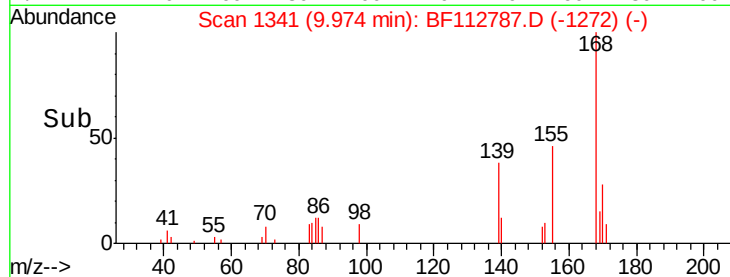
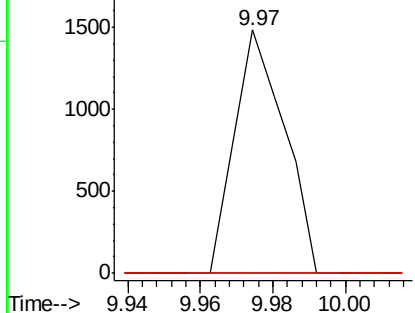
#56
4-Nitrophenol
Concen: 0.382 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.11 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Instrument :
BNA_F
ClientSampleId :
B-4(4-5)

Tgt Ion:139 Resp: 1417
Ion Ratio Lower Upper
139 100
109 0.0 46.8 86.8#
65 0.0 80.7 120.7#

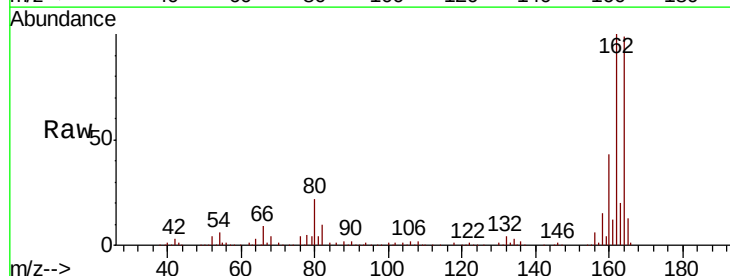


Abundance Ion 139.00 (138.70 to 139.70): E
2000 Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

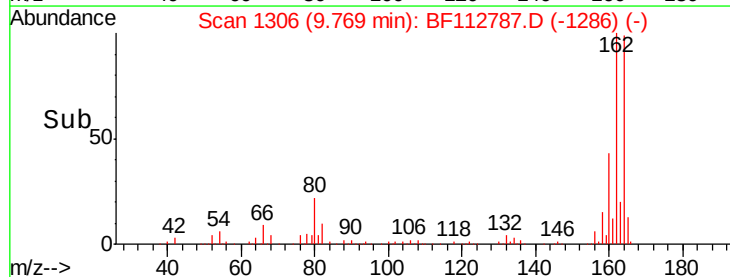
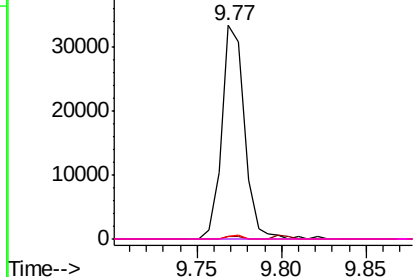


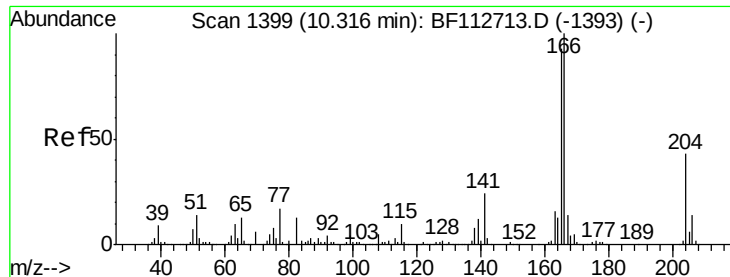
#57
2,4-Dinitrotoluene
Concen: 6.756 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.18 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Tgt Ion:165 Resp: 31421
Ion Ratio Lower Upper
165 100
63 1.0 42.2 63.2#
89 1.3 66.2 99.4#
182 0.0 1.8 2.6#



Abundance Ion 165.00 (164.70 to 165.70): E
50000 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: 0.397 ng

RT: 10.32 min Scan# 1399

Delta R.T. -0.00 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

Instrument :

BNA_F

ClientSampleId :

B-4(4-5)

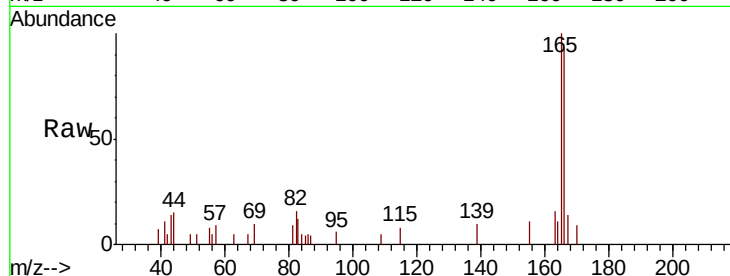
Tgt Ion:166 Resp: 6302

Ion Ratio Lower Upper

166 100

165 107.8 74.7 112.1

167 15.6 11.0 16.6

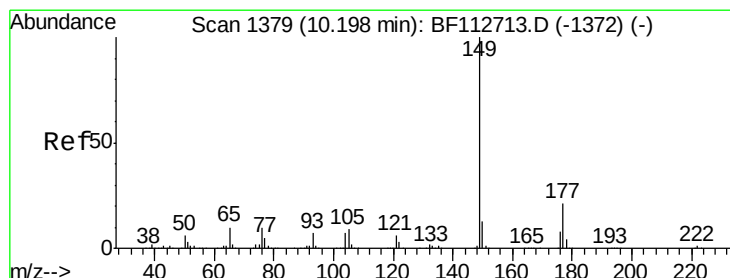
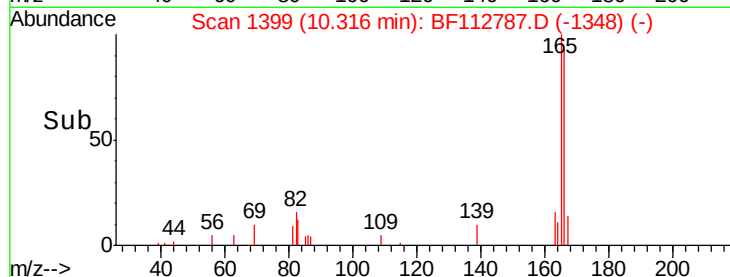
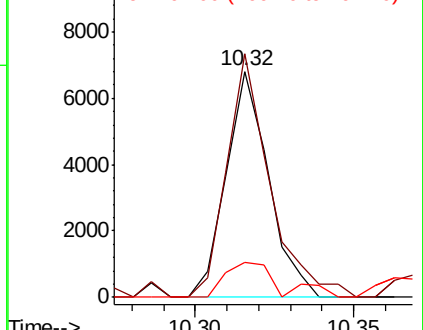


Abundance

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: 0.006 ng

RT: 10.19 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

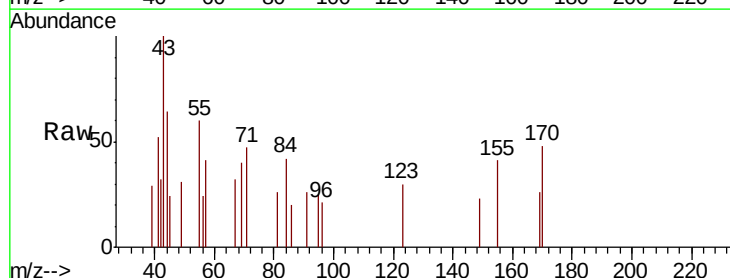
Tgt Ion:149 Resp: 123

Ion Ratio Lower Upper

149 100

177 0.0 17.0 25.6#

150 0.0 10.0 15.0#

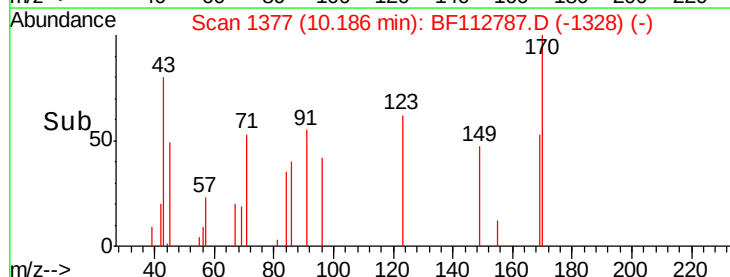
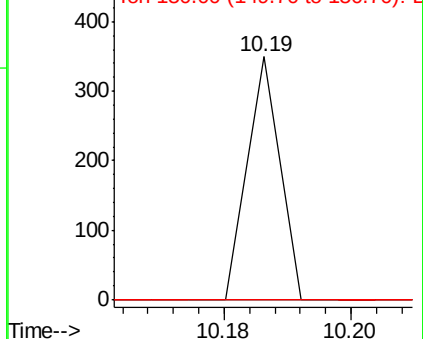


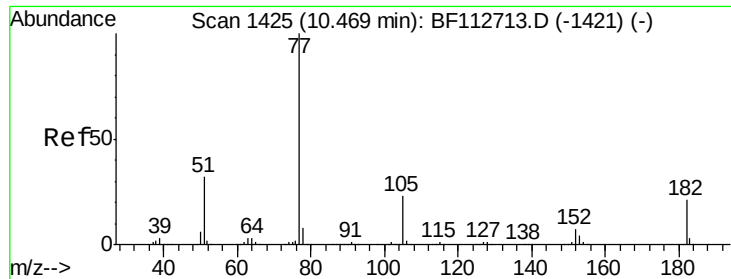
Abundance

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

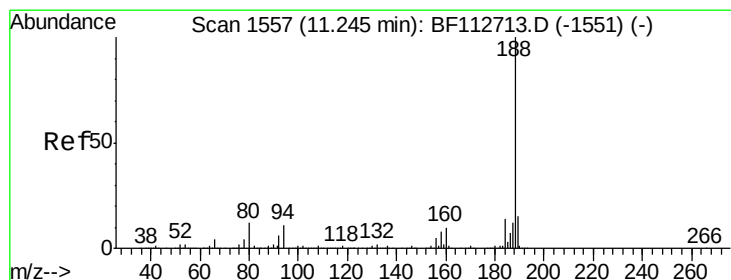
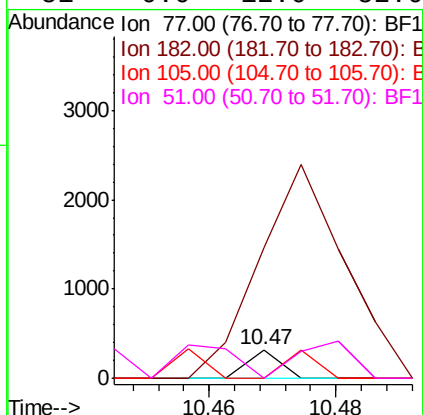
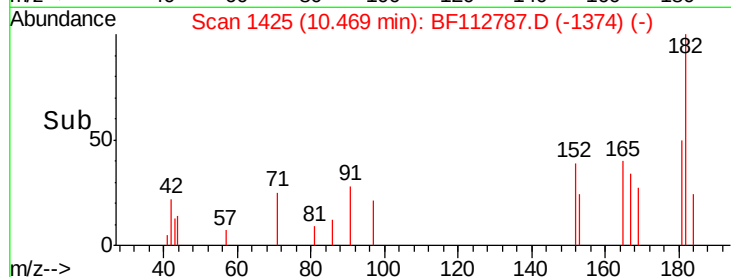
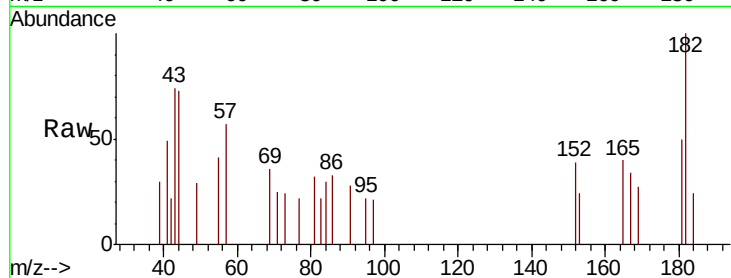




#63
Azobenzene
Concen: 0.006 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.00 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

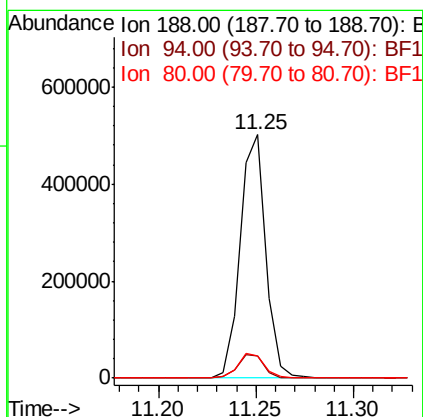
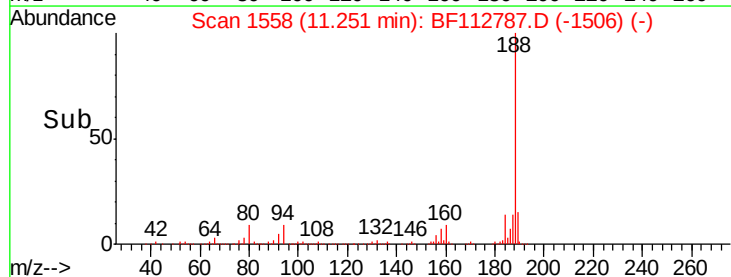
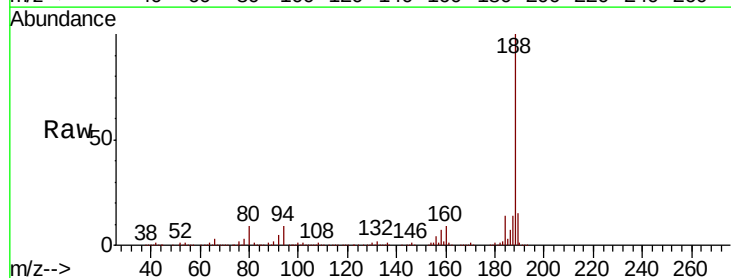
Instrument :
BNA_F
ClientSampleId :
B-4(4-5)

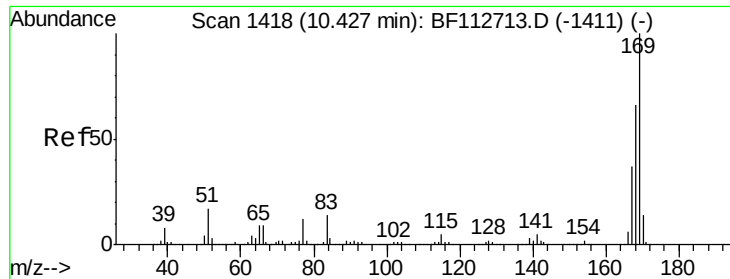
Tgt Ion: 77 Resp: 113
Ion Ratio Lower Upper
77 100
182 457.2 1.4 41.4#
105 0.0 2.6 42.6#
51 0.0 12.0 52.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Tgt Ion: 188 Resp: 454719
Ion Ratio Lower Upper
188 100
94 9.3 9.0 13.4
80 8.9 9.2 13.8#

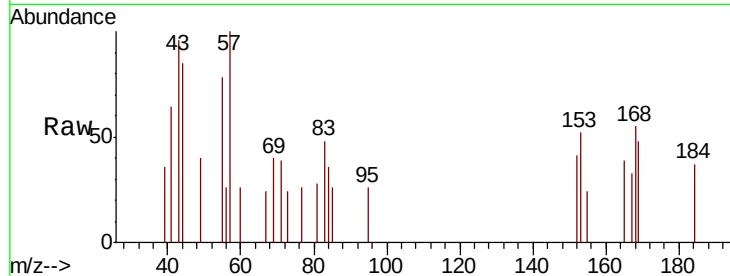




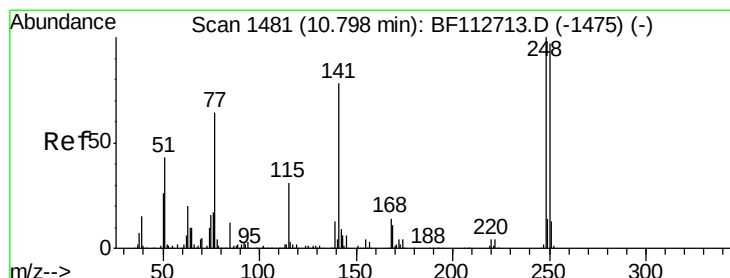
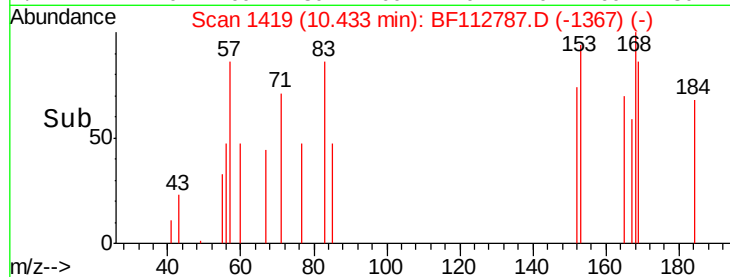
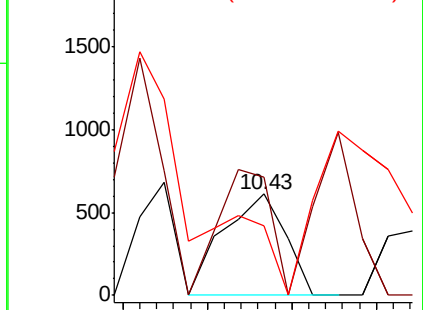
#66
 n-Nitrosodiphenylamine
 Concen: 0.043 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: BF112787.D
 Acq: 1 Mar 2019 3:11

Instrument :
 BNA_F
 ClientSampleId :
 B-4(4-5)

Tgt Ion:169 Resp: 626
 Ion Ratio Lower Upper
 169 100
 168 116.4 53.0 79.6#
 167 68.7 29.3 43.9#

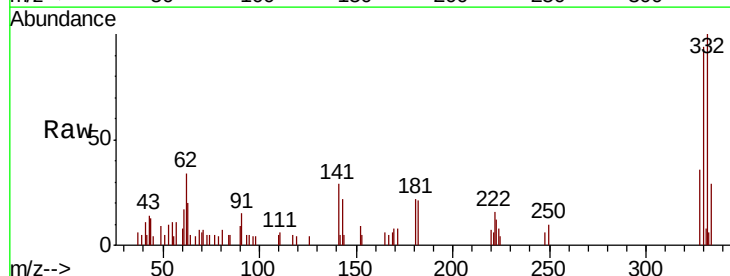


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

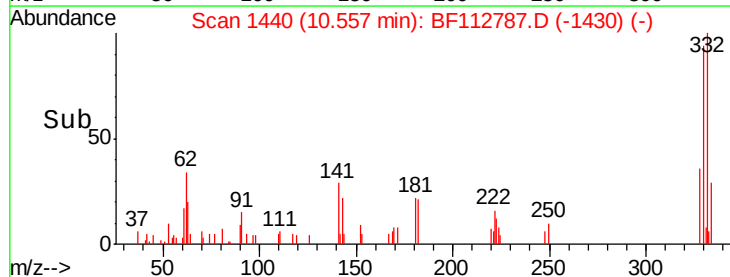
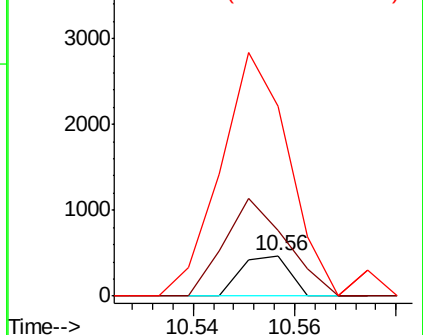


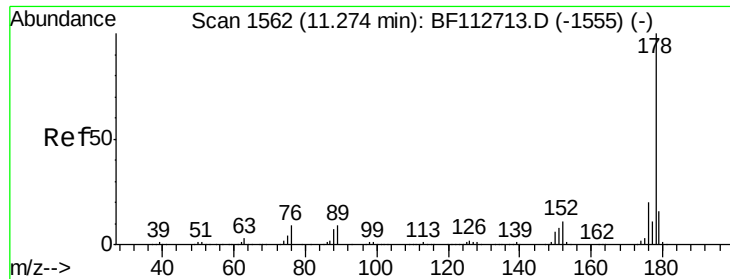
#67
 4-Bromophenyl-phenylether
 Concen: 0.066 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF112787.D
 Acq: 1 Mar 2019 3:11

Tgt Ion:248 Resp: 318
 Ion Ratio Lower Upper
 248 100
 250 161.9 77.5 116.3#
 141 468.9 62.4 93.6#



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

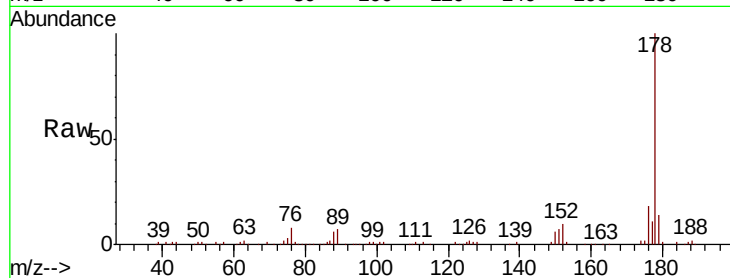




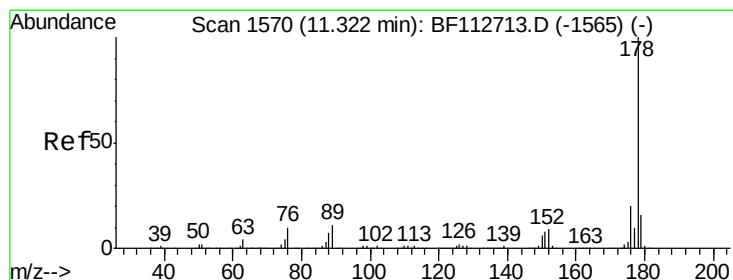
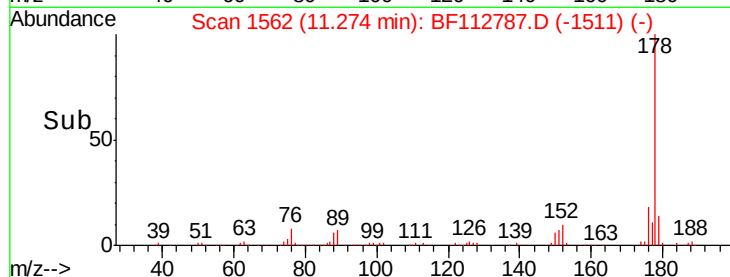
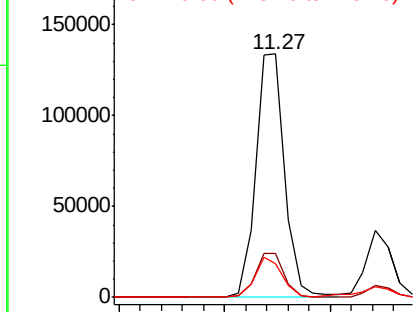
#71
 Phenanthrene
 Concen: 5.634 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: BF112787.D
 Acq: 1 Mar 2019 3:11

Instrument :
 BNA_F
 ClientSampleId :
 B-4(4-5)

Tgt Ion:178 Resp: 127473
 Ion Ratio Lower Upper
 178 100
 176 18.3 16.3 24.5
 179 14.1 12.7 19.1

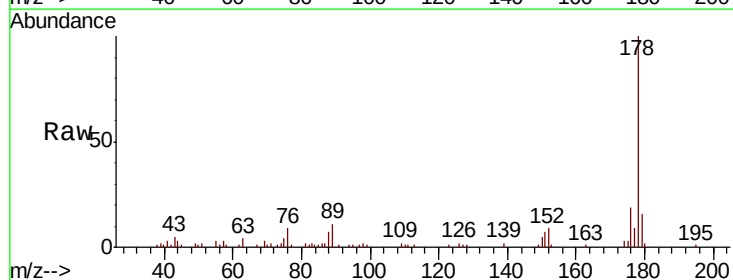


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

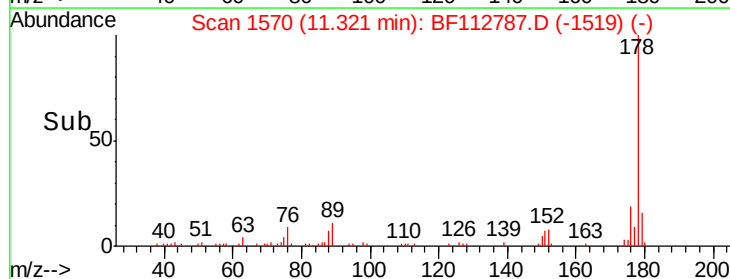
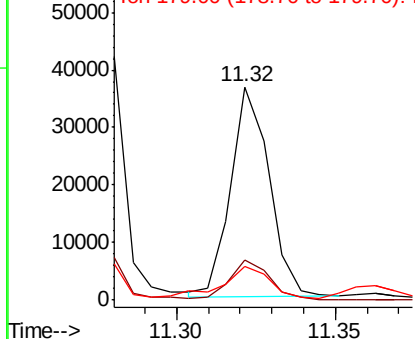


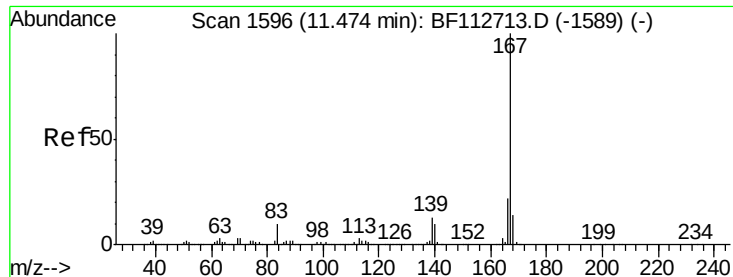
#72
 Anthracene
 Concen: 1.291 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF112787.D
 Acq: 1 Mar 2019 3:11

Tgt Ion:178 Resp: 30565
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.8 23.6
 179 15.6 13.0 19.6



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: 0.423 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.00 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

Instrument :

BNA_F

ClientSampleId :

B-4(4-5)

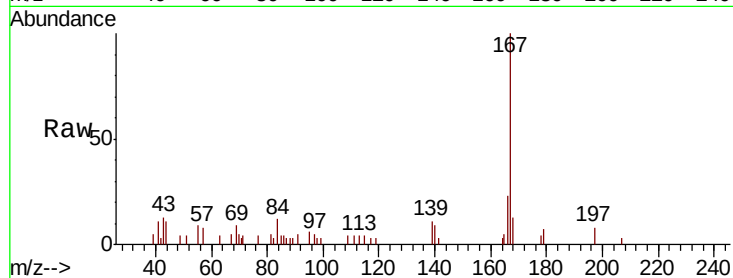
Tgt Ion:167 Resp: 9767

Ion Ratio Lower Upper

167 100

166 23.0 17.5 26.3

139 11.4 10.8 16.2

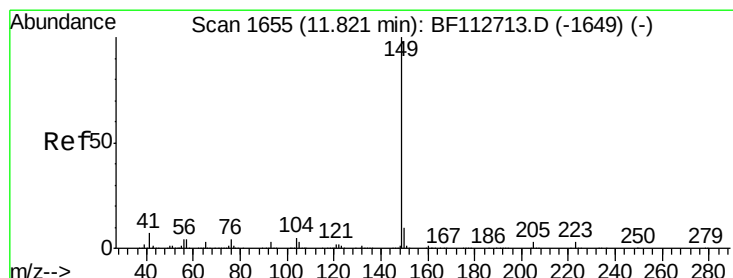
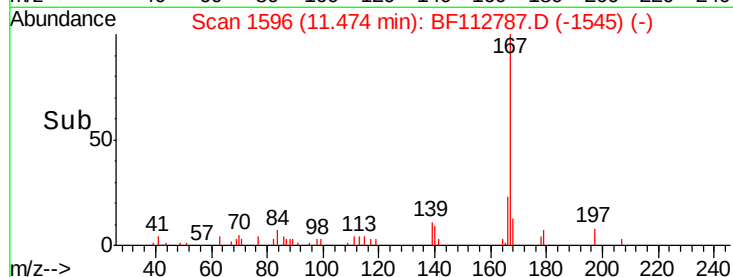
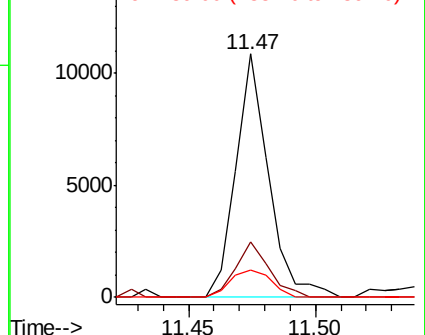


Abundance

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: 0.051 ng

RT: 11.82 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

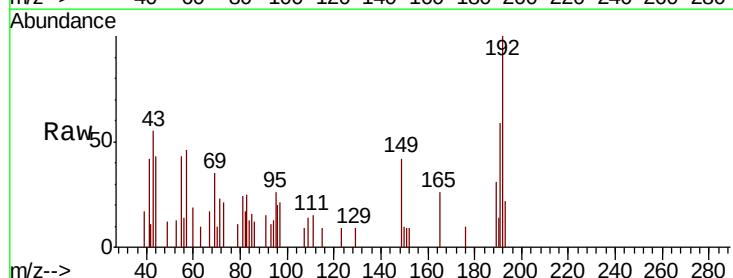
Tgt Ion:149 Resp: 1406

Ion Ratio Lower Upper

149 100

150 23.3 7.6 11.4#

104 0.0 3.7 5.5#

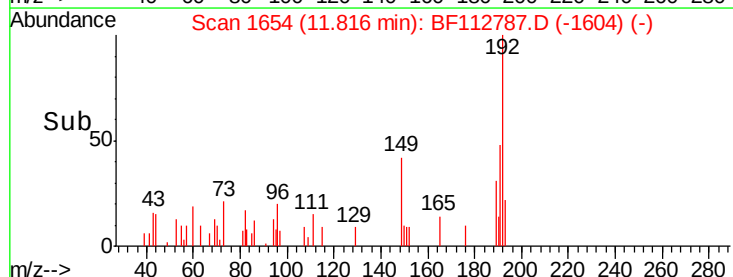
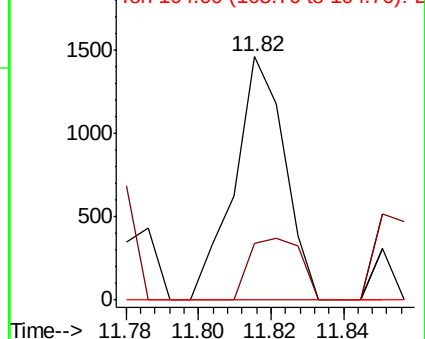


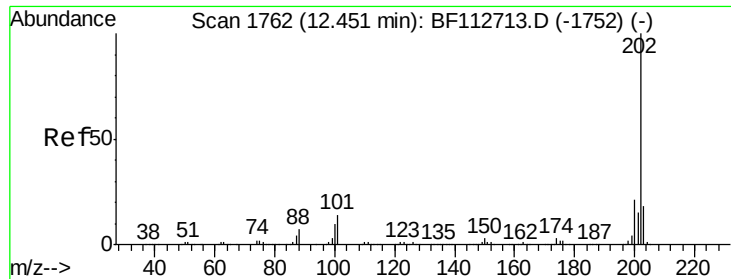
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 9.008 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

Instrument :

BNA_F

ClientSampleId :

B-4(4-5)

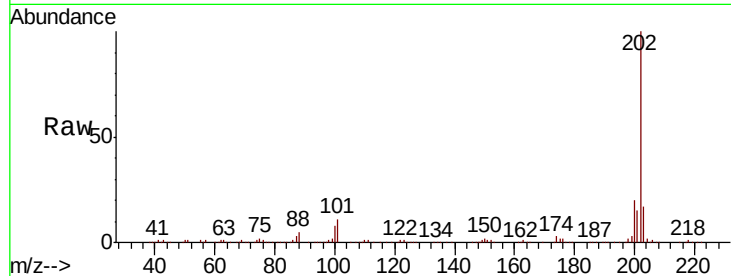
Tgt Ion: 202 Resp: 218352

Ion Ratio Lower Upper

202 100

101 10.6 0.0 33.8

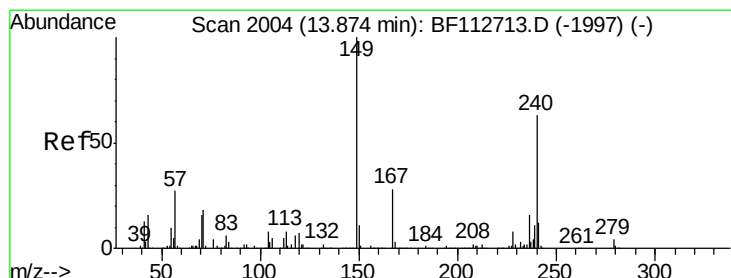
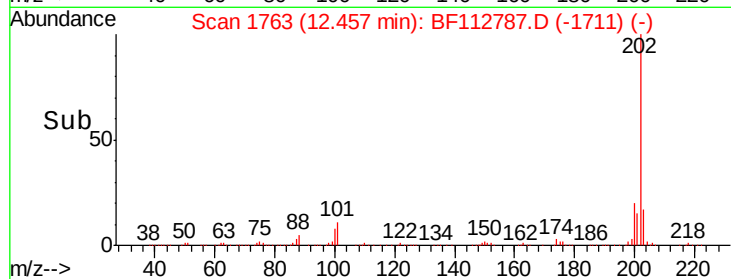
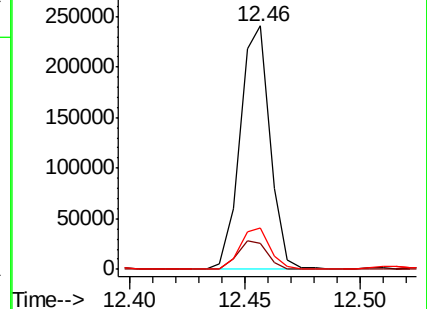
203 16.9 0.0 38.4



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: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

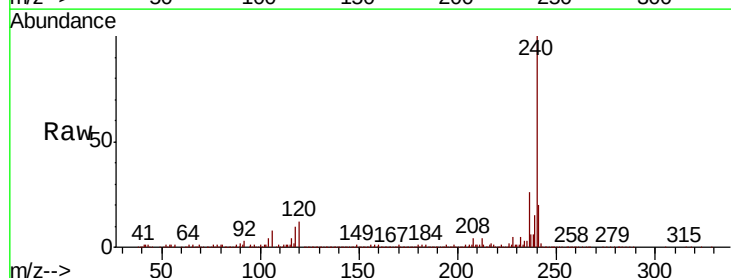
Tgt Ion: 240 Resp: 479331

Ion Ratio Lower Upper

240 100

120 11.9 8.9 13.3

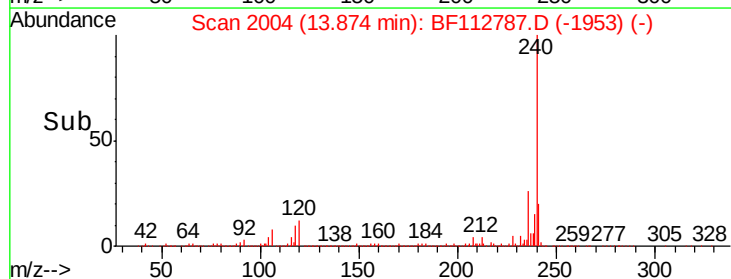
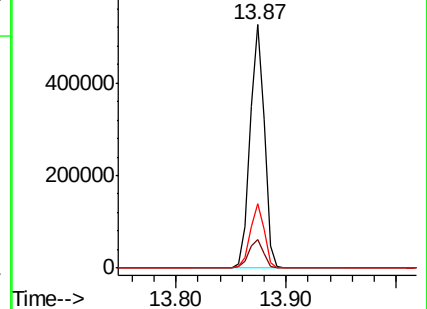
236 26.3 20.7 31.1

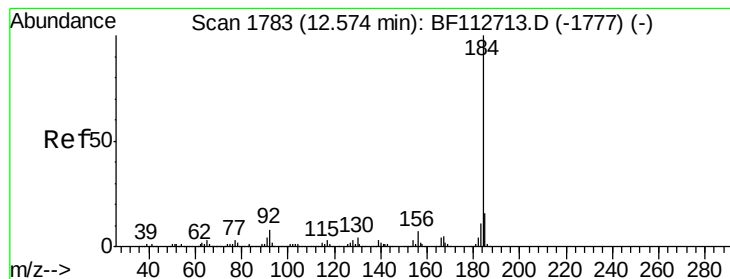


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.021 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.14 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

Instrument :

BNA_F

ClientSampleId :

B-4(4-5)

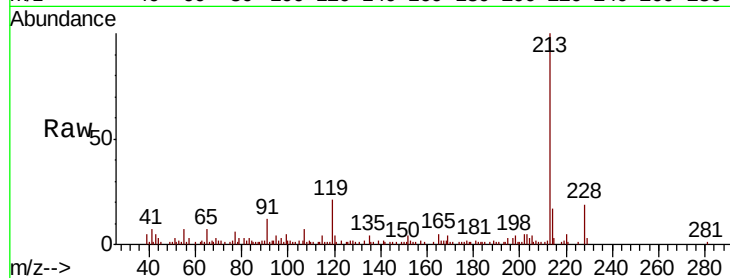
Tgt Ion:184 Resp: 513

Ion Ratio Lower Upper

184 100

185 66.4 12.6 18.8#

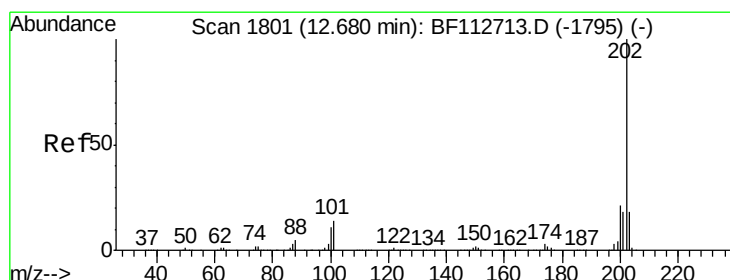
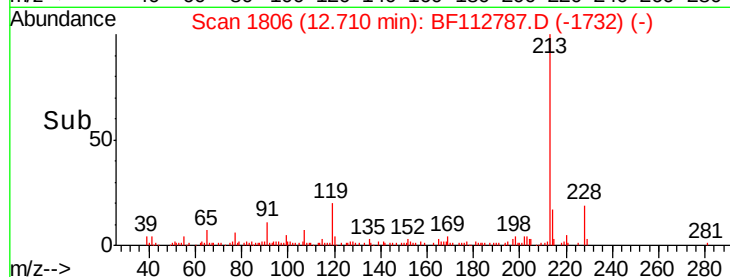
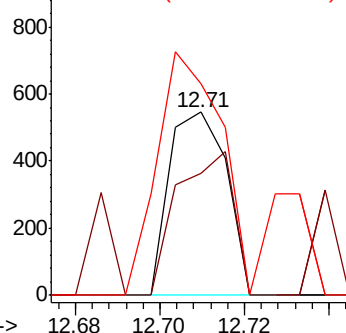
183 115.8 8.6 12.8#



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: 6.246 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

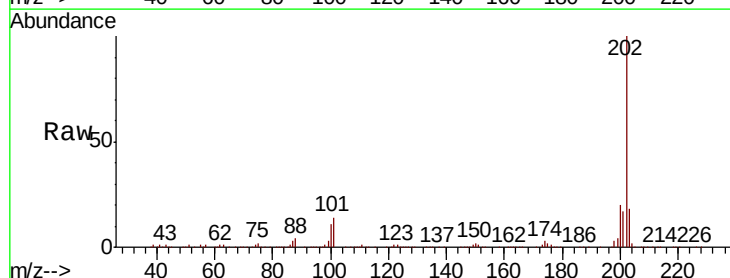
Tgt Ion:202 Resp: 252396

Ion Ratio Lower Upper

202 100

200 20.2 17.0 25.4

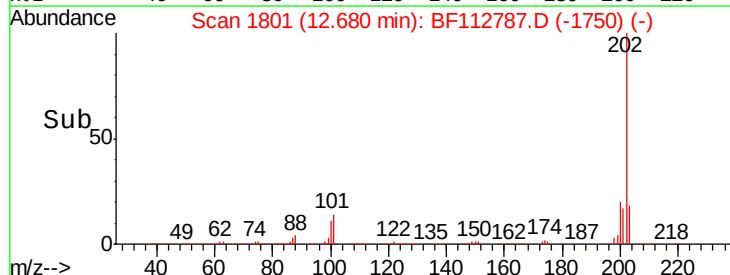
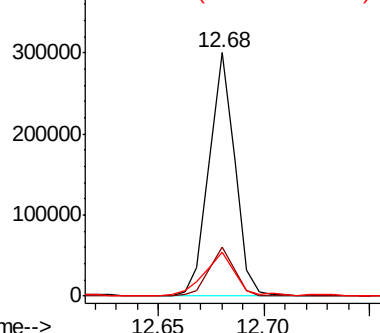
203 18.2 14.4 21.6

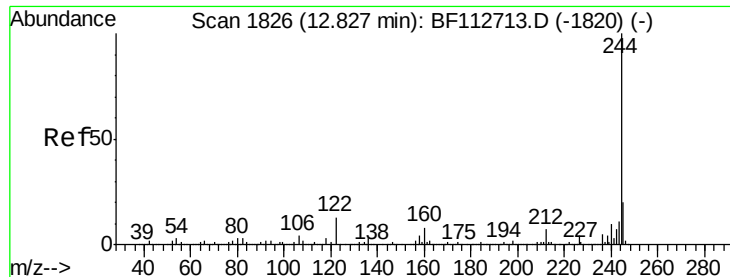


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 4.075 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.00 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

Instrument :

BNA_F

ClientSampleId :

B-4(4-5)

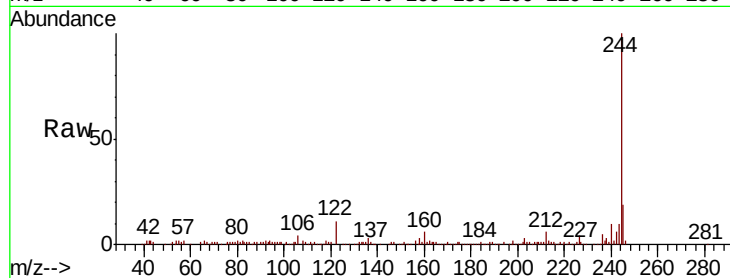
Tgt Ion:244 Resp: 100763

Ion Ratio Lower Upper

244 100

212 6.0 5.6 8.4

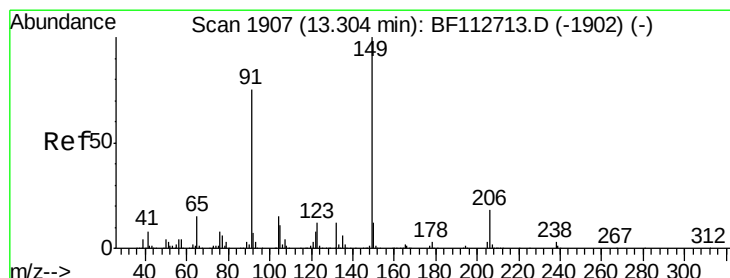
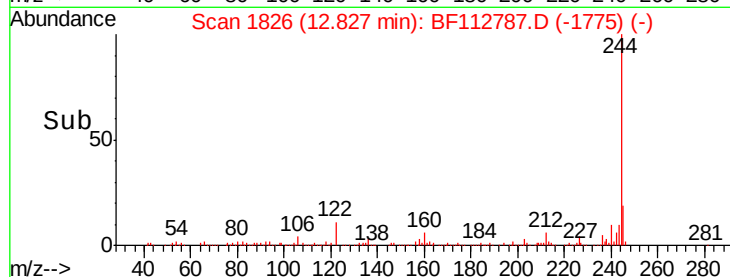
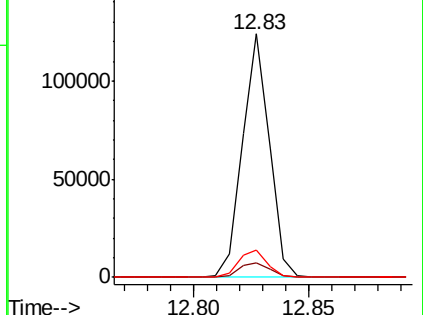
122 11.3 10.5 15.7



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 0.038 ng

RT: 13.30 min Scan# 1907

Delta R.T. -0.00 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

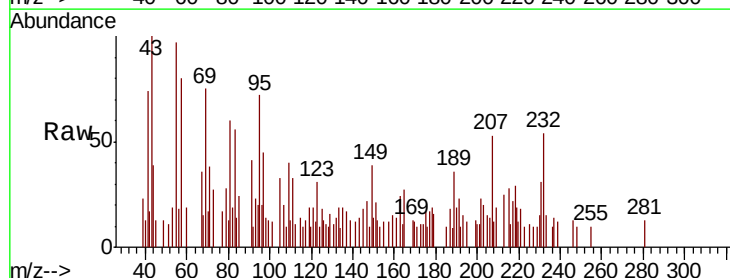
Tgt Ion:149 Resp: 677

Ion Ratio Lower Upper

149 100

91 104.2 59.9 89.9#

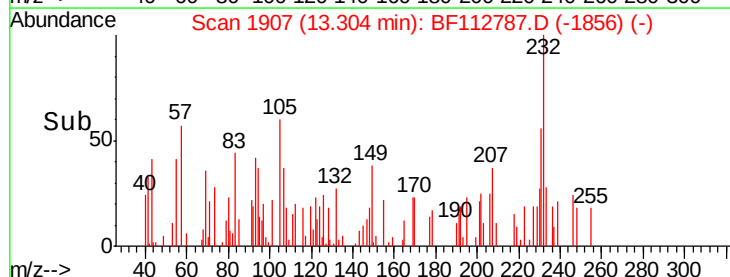
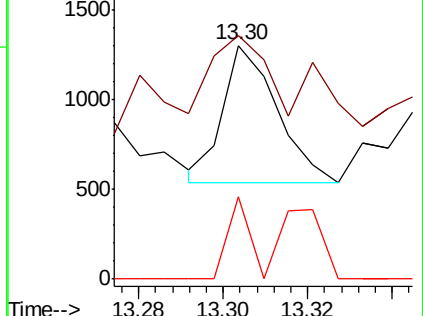
206 35.0 14.7 22.1#

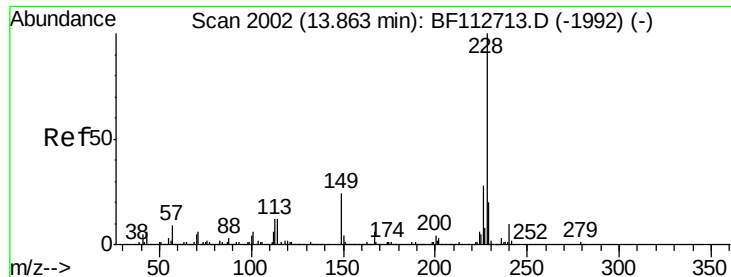


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 3.776 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.00 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

Instrument :

BNA_F

ClientSampleId :

B-4(4-5)

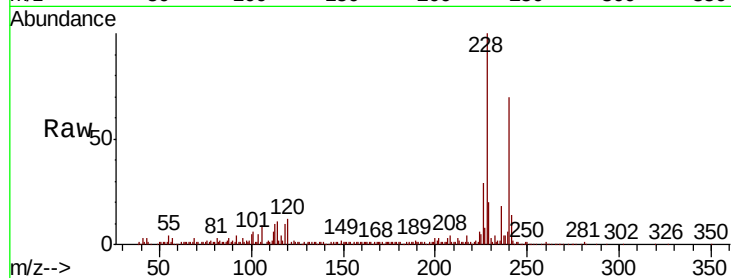
Tgt Ion:228 Resp: 125438

Ion Ratio Lower Upper

228 100

226 28.9 22.2 33.4

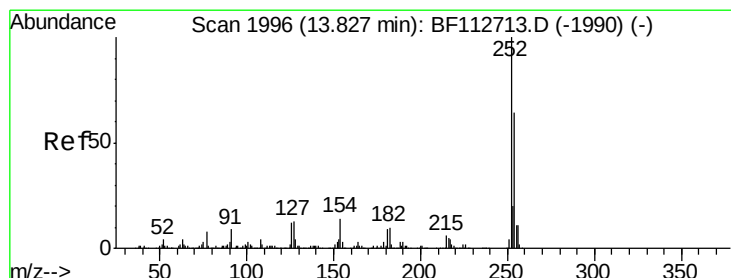
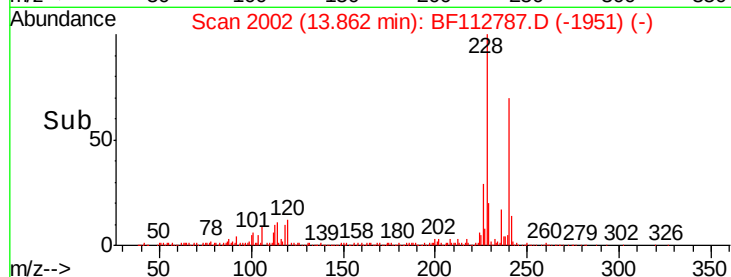
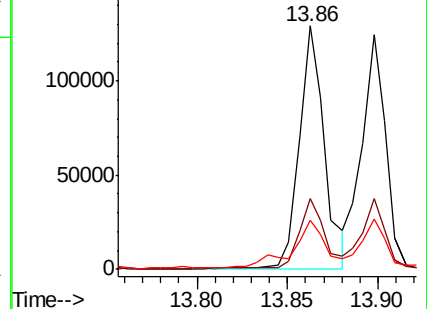
229 20.0 16.0 24.0



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



#82

3,3'-Dichlorobenzidine

Concen: 0.022 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.01 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

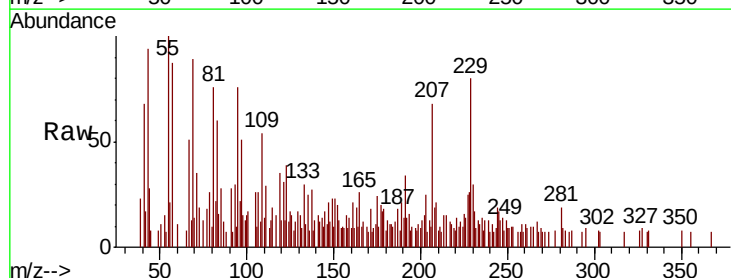
Tgt Ion:252 Resp: 275

Ion Ratio Lower Upper

252 100

254 0.0 51.1 76.7#

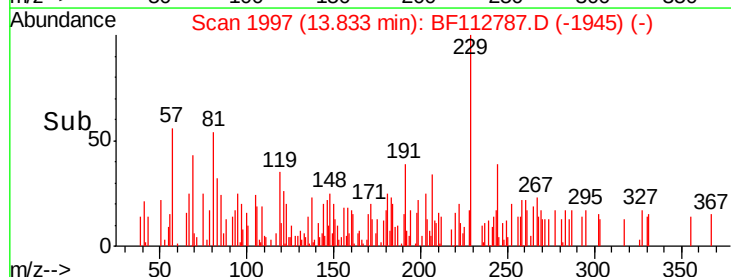
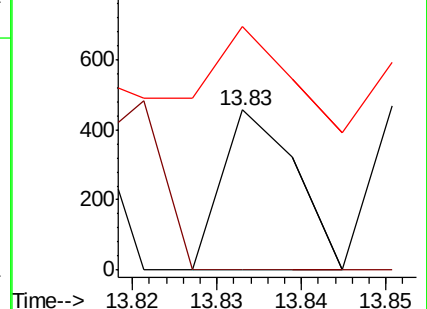
126 152.2 9.9 14.9#

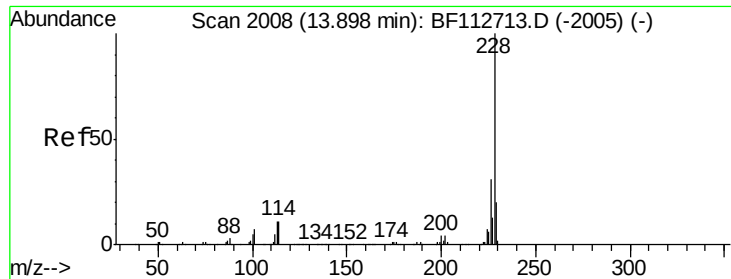


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

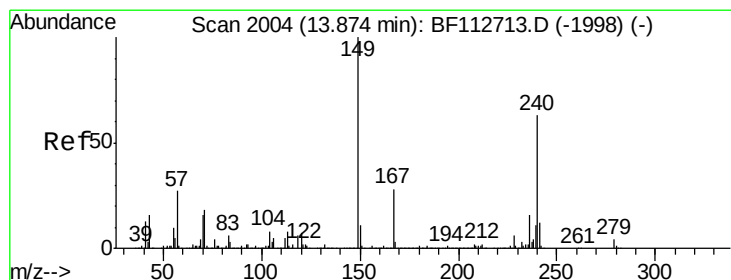
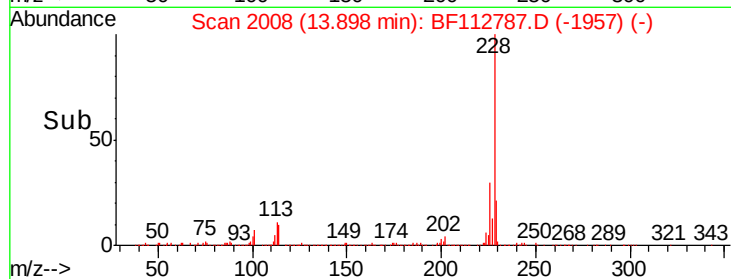
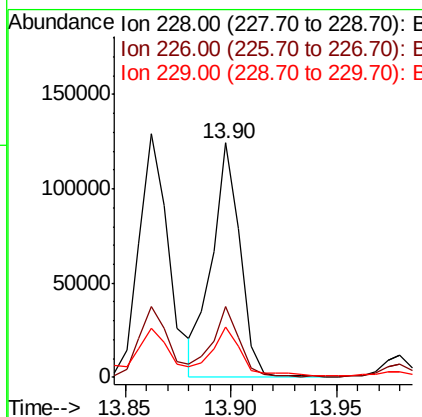
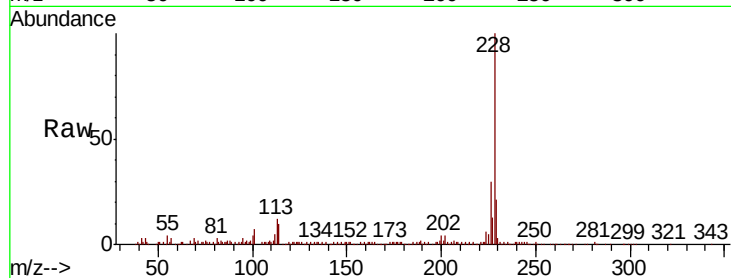




#83
 Chrysene
 Concen: 3.510 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: BF112787.D
 Acq: 1 Mar 2019 3:11

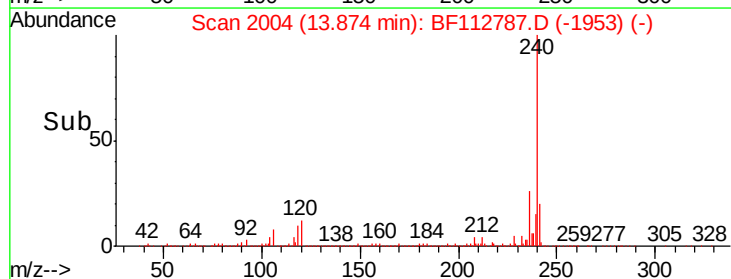
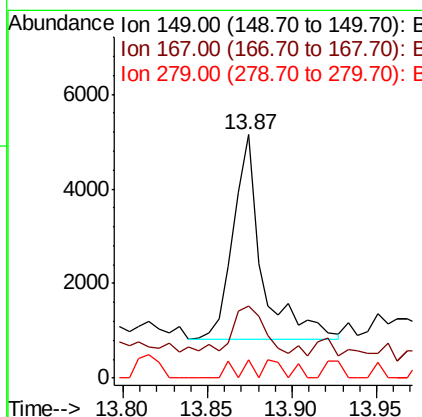
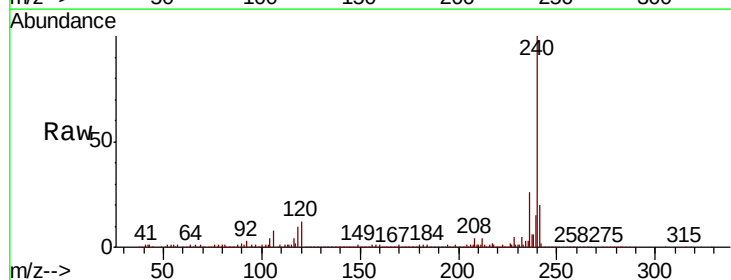
Instrument :
 BNA_F
 ClientSampleId :
 B-4(4-5)

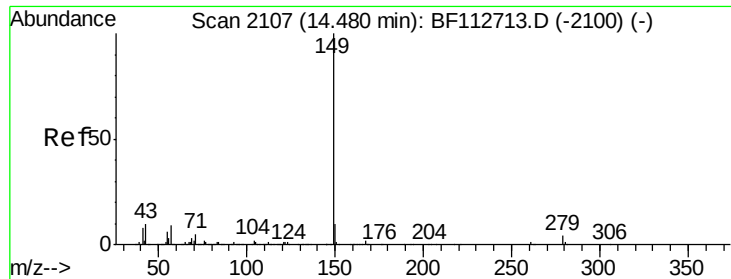
Tgt Ion: 228 Resp: 114203
 Ion Ratio Lower Upper
 228 100
 226 30.4 24.9 37.3
 229 21.4 16.3 24.5



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.241 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. -0.00 min
 Lab File: BF112787.D
 Acq: 1 Mar 2019 3:11

Tgt Ion: 149 Resp: 5043
 Ion Ratio Lower Upper
 149 100
 167 29.7 22.4 33.6
 279 7.8 3.3 4.9#





#85

Di-n-octyl phthalate

Concen: 0.008 ng

RT: 14.48 min Scan# 2107

Delta R.T. -0.00 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

Instrument :

BNA_F

ClientSampleId :

B-4(4-5)

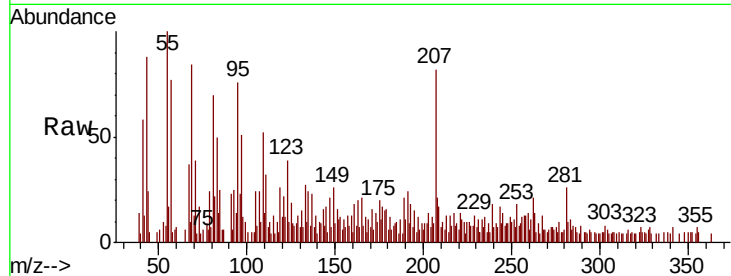
Tgt Ion:149 Resp: 277

Ion Ratio Lower Upper

149 100

167 84.5 1.2 1.8#

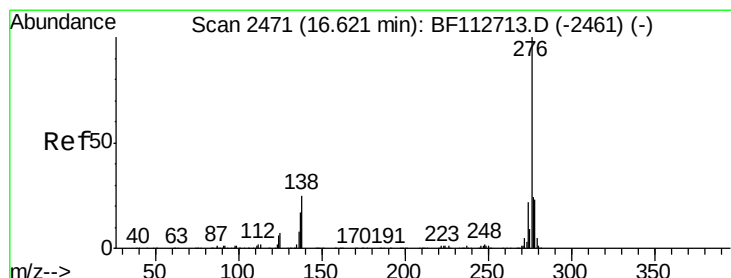
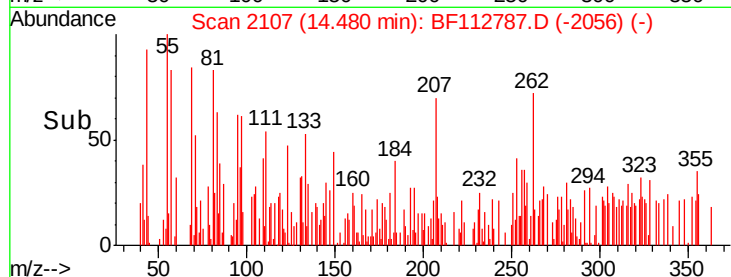
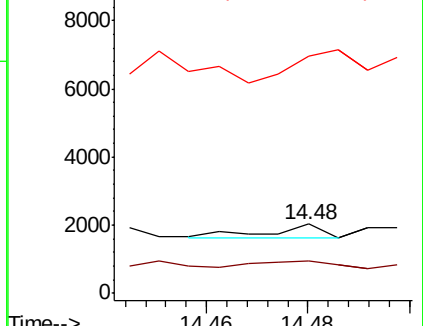
43 302.5 9.0 13.4#



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: 1.579 ng

RT: 16.64 min Scan# 2474

Delta R.T. 0.02 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

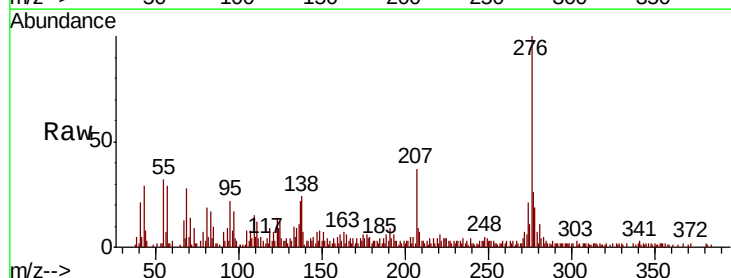
Tgt Ion:276 Resp: 43794

Ion Ratio Lower Upper

276 100

138 24.6 23.2 34.8

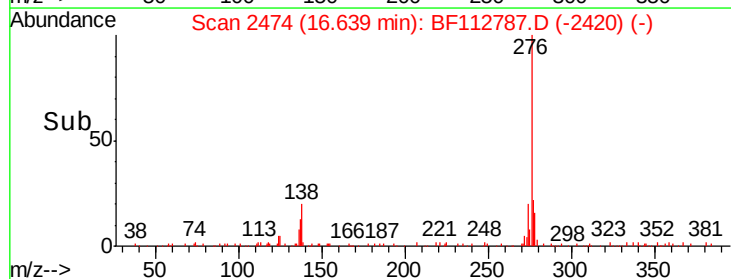
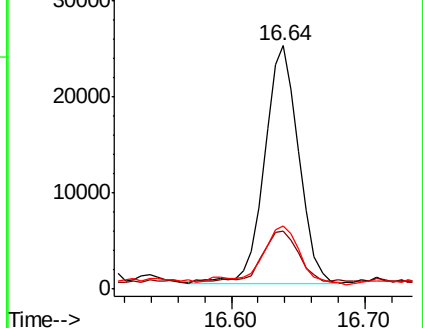
277 26.9 19.9 29.9

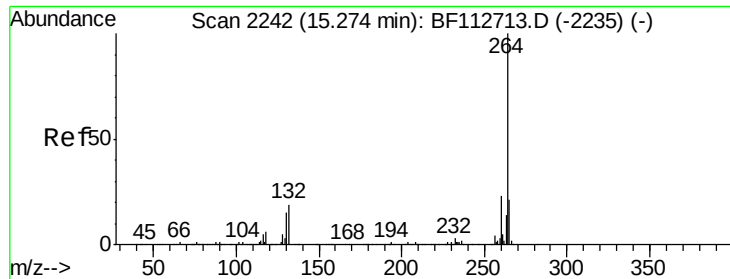


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

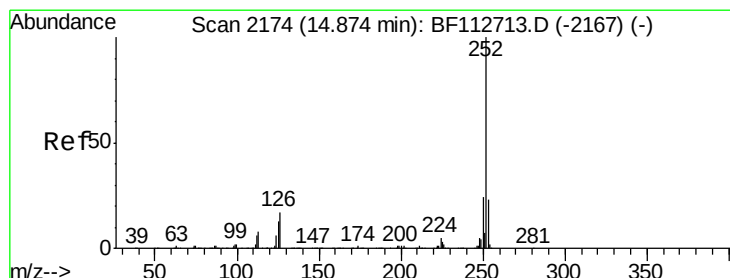
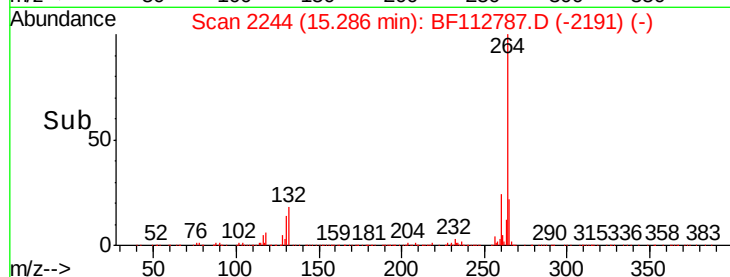
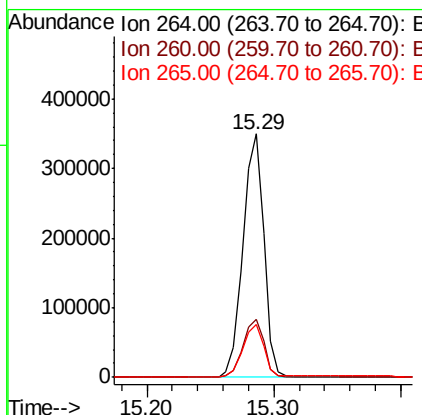
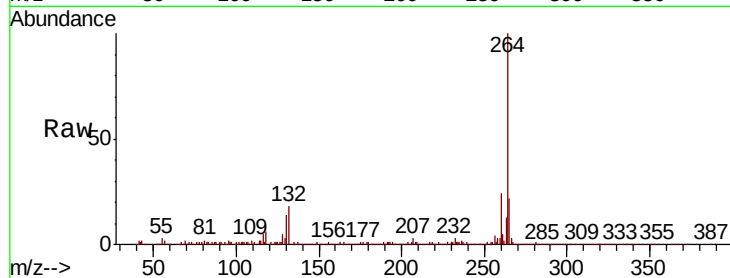




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

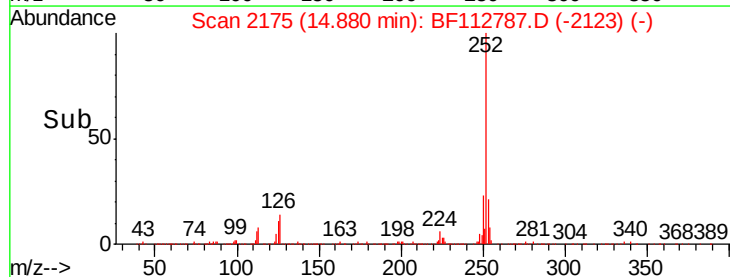
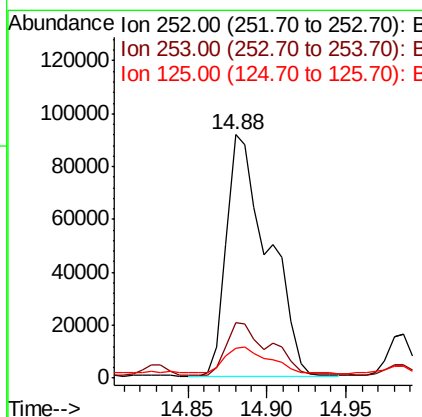
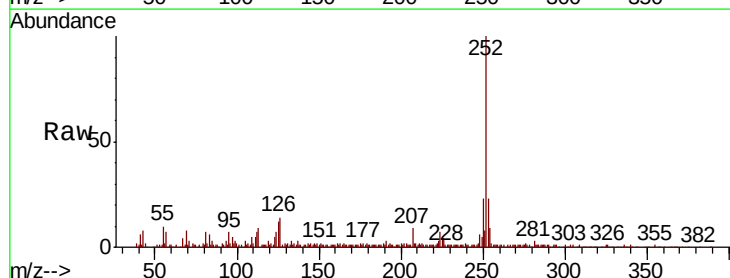
Instrument :
BNA_F
ClientSampleId :
B-4(4-5)

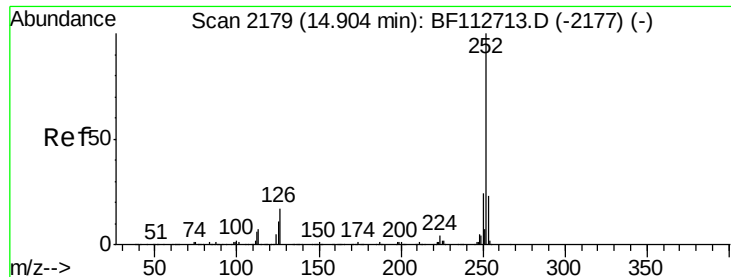
Tgt Ion:264 Resp: 396004
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 21.9 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 6.507 ng
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Tgt Ion:252 Resp: 166663
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 12.5 10.2 15.2

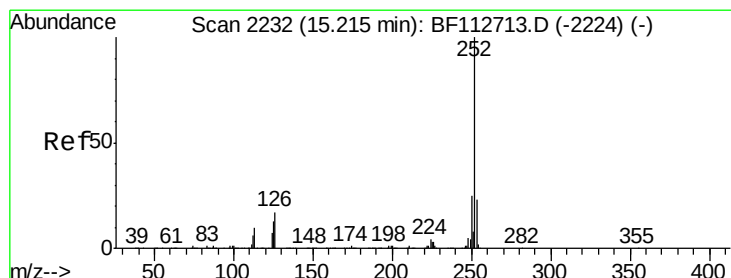
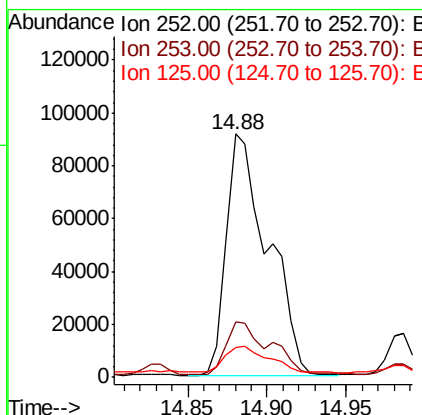
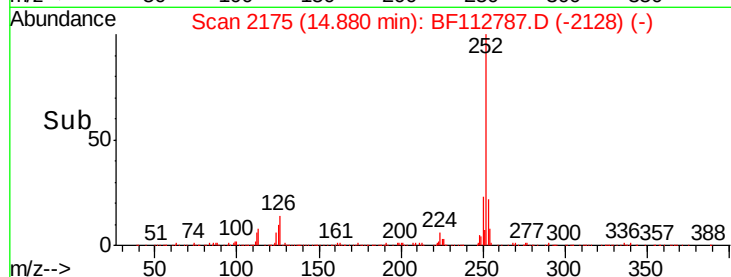
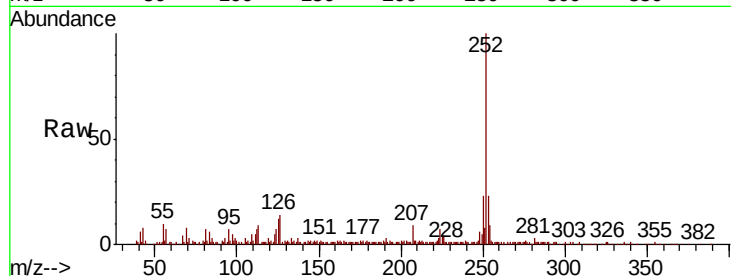




#89
Benzo(k)fluoranthene
Concen: 7.183 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

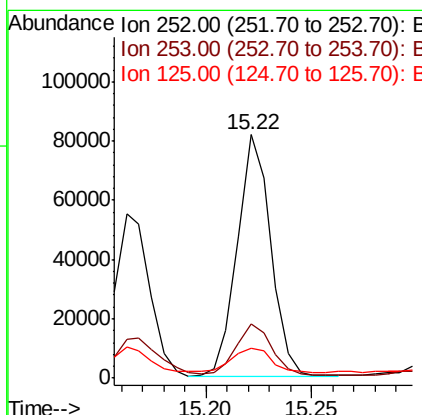
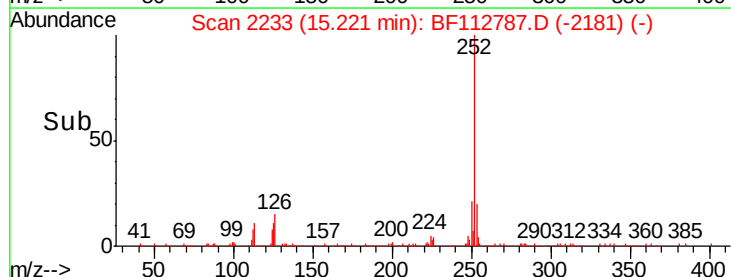
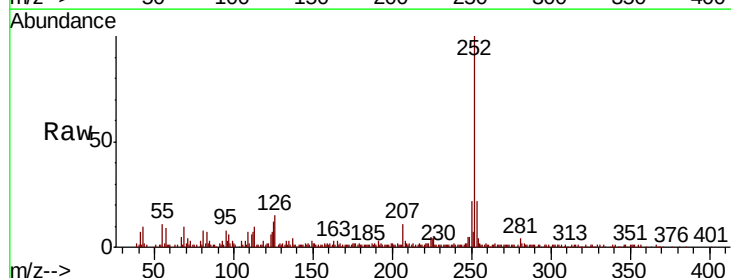
Instrument :
BNA_F
ClientSampleId :
B-4(4-5)

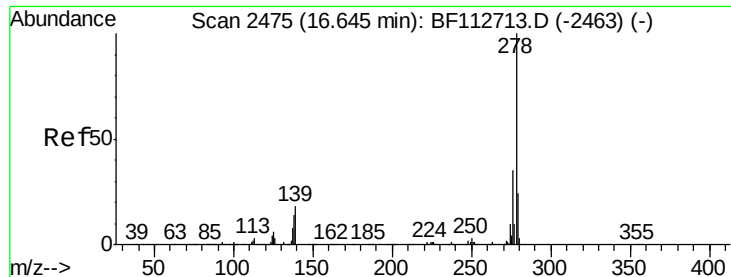
Tgt Ion:252 Resp: 166663
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.2
125 12.5 9.8 14.6



#90
Benzo(a)pyrene
Concen: 3.970 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Tgt Ion:252 Resp: 89946
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 12.4 10.7 16.1

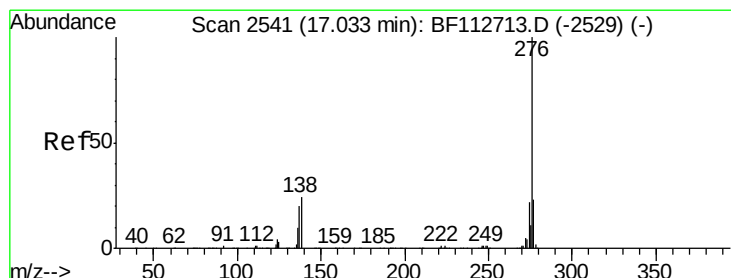
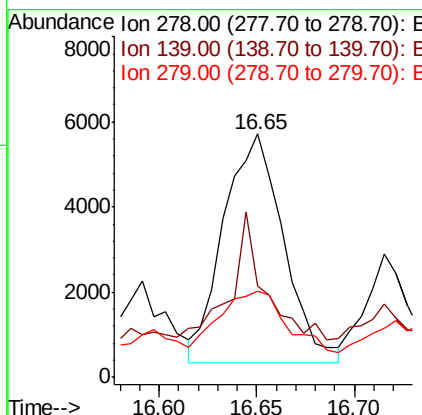
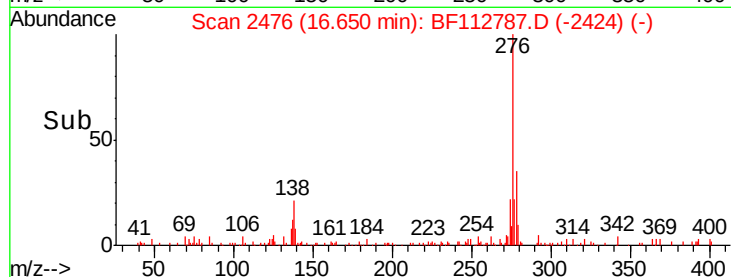
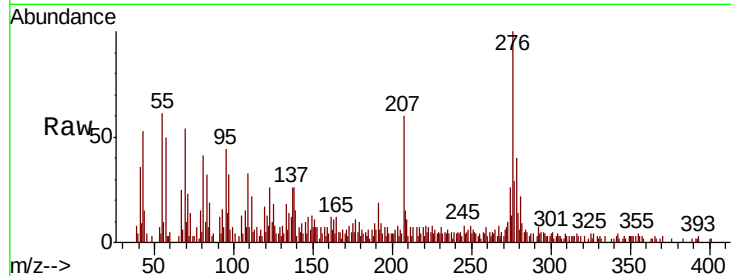




#91
Dibenzo(a,h)anthracene
Concen: 0.595 ng
RT: 16.65 min Scan# 2476
Delta R.T. 0.01 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Instrument :
BNA_F
ClientSampleId :
B-4(4-5)

Tgt Ion	Ratio	Lower	Upper
278	100		
139	37.5	14.3	21.5#
279	35.6	19.4	29.0#



#92
Benzo(g,h,i)perylene
Concen: 2.167 ng
RT: 17.04 min Scan# 2543
Delta R.T. 0.01 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	27.8
138	25.2	19.4	29.0

