

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022819\
 Data File : BF112788.D
 Acq On : 1 Mar 2019 3:38
 Operator : JU/SJ
 Sample : K1650-01 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-1(1.5-2.5)

Quant Time: Mar 01 04:59:07 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	170437	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	638176	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	263037	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	506740	20.00	ng	0.00
76) Chrysene-d12	13.87	240	481884	20.00	ng	0.00
87) Perylene-d12	15.29	264	357819	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.34	112	64942	5.93	ng	0.00
7) Phenol-d6	6.36	99	86958	6.32	ng	0.00
23) Nitrobenzene-d5	7.30	82	48611	4.56	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	19251	6.89	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	95914	-8.20	ng	0.00
79) Terphenyl-d14	12.83	244	105977	4.26	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.43	88	137	0.025	ng	# 19
4) n-Nitrosodimethylamine	3.07	42	108	0.017	ng	# 1
9) Benzaldehyde	6.50	77	1649	0.166	ng	# 61
10) Phenol	6.37	94	1444	0.090	ng	# 53
15) Benzyl Alcohol	6.90	79	930	0.089	ng	# 18
18) Hexachloroethane	7.31	117	230	0.048	ng	# 4
19) n-Nitroso-di-n-propylamine	7.30	70	6804	0.781	ng	# 76
22) Acetophenone	7.15	105	818	0.055	ng	# 70
24) Nitrobenzene	7.29	77	111	0.009	ng	# 38
25) Isophorone	7.30	82	48618	2.116	ng	# 66
28) bis(2-Chloroethoxy)methane	8.02	93	246	0.017	ng	# 1
31) Naphthalene	8.05	128	3552	0.112	ng	# 94
33) 4-Chloroaniline	8.05	127	338	0.025	ng	# 4
35) Caprolactam	8.46	113	693	0.221	ng	# 1
37) 2-Methylnaphthalene	8.74	142	11336	0.554	ng	96
38) 1-Methylnaphthalene	8.74	142	11336	0.572	ng	99
46) 1,1'-Biphenyl	9.20	154	2233	0.104	ng	91
47) 2-Chloronaphthalene	9.36	162	380	0.023	ng	# 1
48) 2-Nitroaniline	9.36	65	264	0.052	ng	# 4
49) Acenaphthylene	9.63	152	1408	0.050	ng	# 40
50) Dimethylphthalate	9.49	163	6015	0.310	ng	# 93
51) 2,6-Dinitrotoluene	9.77	165	34994	8.664	ng	# 18
52) Acenaphthene	9.80	154	719	0.043	ng	# 64
55) Dibenzofuran	9.97	168	1344	0.056	ng	# 32
56) 4-Nitrophenol	9.88	139	545	0.136	ng	# 65
57) 2,4-Dinitrotoluene	9.77	165	34994	6.970	ng	# 18
58) Fluorene	10.32	166	2461	0.143	ng	# 91
60) Diethylphthalate	10.19	149	383	0.019	ng	# 40
61) 4-Chlorophenyl-phenylether	10.15	204	133	0.017	ng	# 26
63) Azobenzene	10.47	77	445	0.021	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.60	198	122	4.666	ng	# 1
66) n-Nitrosodiphenylamine	10.43	169	3135	0.193	ng	# 49
67) 4-Bromophenyl-phenylether	10.55	248	1047	0.196	ng	# 1
71) Phenanthrene	11.27	178	15367	0.610	ng	98

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 Misc :
 ALS Vial : 24 Sample Multiplier: 1

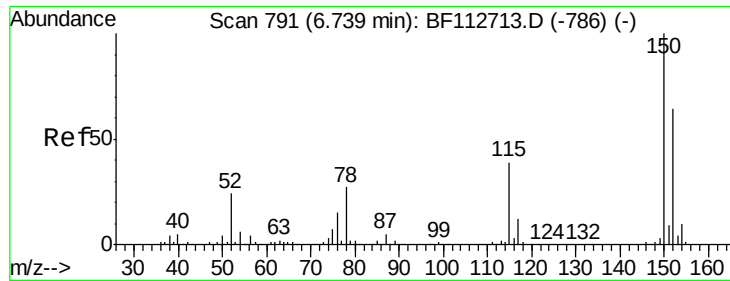
Instrument :
 BNA_F
 ClientSampleId :
 B-1(1.5-2.5)

Quant Time: Mar 01 04:59:07 2019
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

72) Anthracene	11.27	178	15367	0.582	ng	98
73) Carbazole	11.47	167	1473	0.057	ng #	77
74) Di-n-butylphthalate	11.82	149	1122	0.036	ng #	78
75) Fluoranthene	12.46	202	13307	0.493	ng	94
77) Benzidine	12.56	184	421	0.017	ng #	1
78) Pyrene	12.46	202	13307	0.328	ng	95
80) Butylbenzylphthalate	13.29	149	169	0.009	ng #	70
81) Benzo(a)anthracene	13.86	228	6061	0.181	ng #	67
82) 3,3'-Dichlorobenzidine	13.84	252	857	0.068	ng #	17
83) Chrysene	13.90	228	12708	0.388	ng #	87
84) Bis(2-ethylhexyl)phthalate	13.87	149	1354	0.064	ng #	34
85) Di-n-octyl phthalate	14.46	149	729	0.020	ng #	1
86) Indeno(1,2,3-cd)pyrene	16.64	276	4362	0.156	ng #	84
88) Benzo(b)fluoranthene	14.88	252	9573	0.414	ng #	8
89) Benzo(k)fluoranthene	14.93	252	732	0.035	ng #	1
90) Benzo(a)pyrene	15.22	252	4723	0.231	ng #	1
91) Dibenzo(a,h)anthracene	16.64	278	2013	0.115	ng #	1
92) Benzo(g,h,i)perylene	17.05	276	4774	0.272	ng #	35

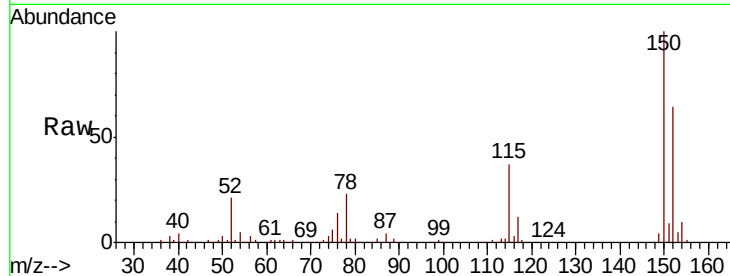
(#) = qualifier out of range (m) = manual integration (+) = signals summed



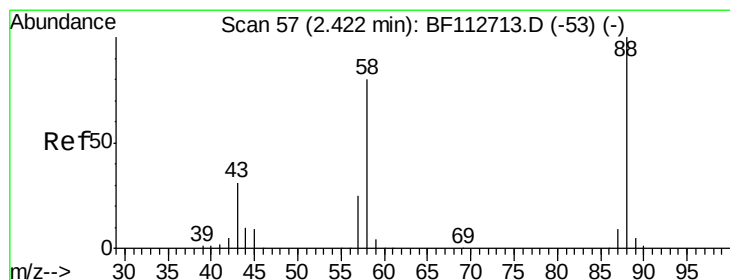
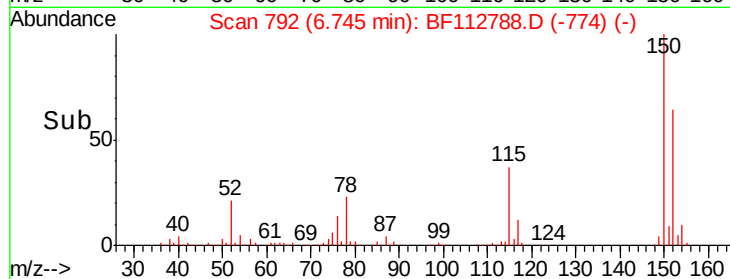
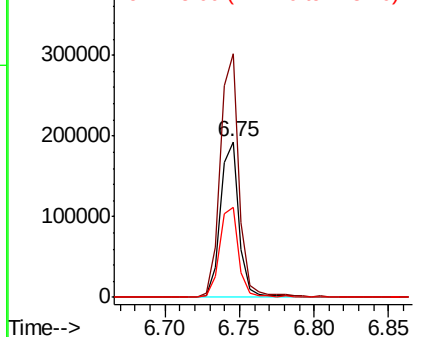
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.75 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: BF112788.D
 Acq: 1 Mar 2019 3:38

Instrument :
 BNA_F
 ClientSampleId :
 B-1(1.5-2.5)

Tgt Ion: 152 Resp: 170437
 Ion Ratio Lower Upper
 152 100
 150 156.8 124.2 186.2
 115 58.1 48.2 72.4

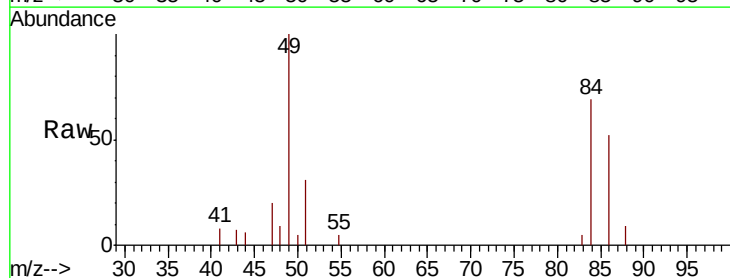


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

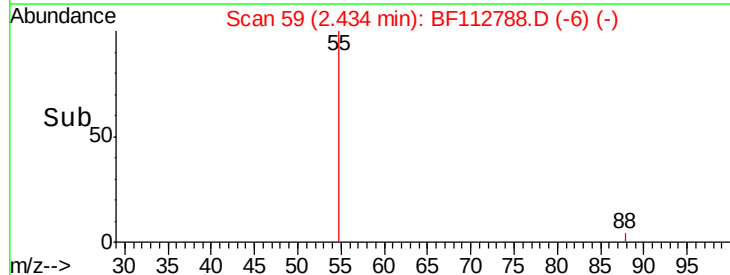
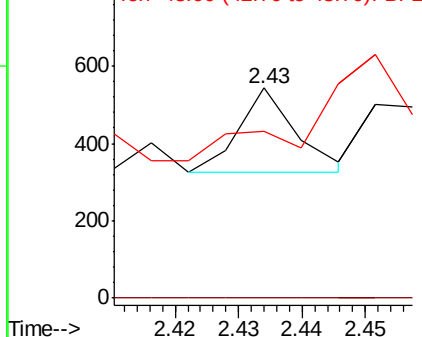


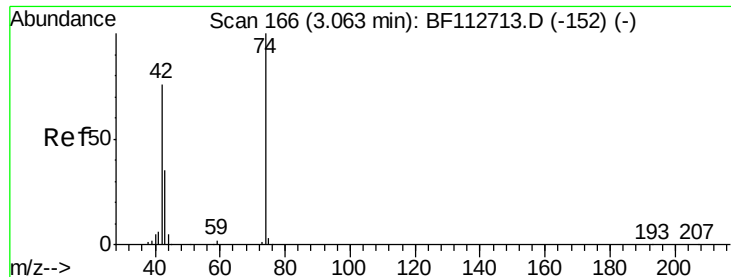
#2
 1,4-Dioxane
 Concen: 0.025 ng
 RT: 2.43 min Scan# 59
 Delta R.T. 0.01 min
 Lab File: BF112788.D
 Acq: 1 Mar 2019 3:38

Tgt Ion: 88 Resp: 137
 Ion Ratio Lower Upper
 88 100
 58 0.0 63.1 94.7#
 43 0.0 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: 3.07 min Scan# 167

Delta R.T. 0.01 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

Instrument :

BNA_F

ClientSampleId :

B-1(1.5-2.5)

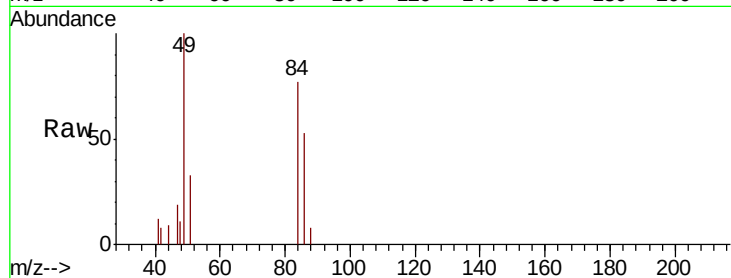
Tgt Ion: 42 Resp: 108

Ion Ratio Lower Upper

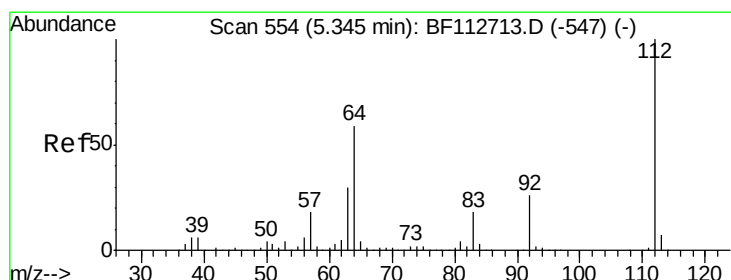
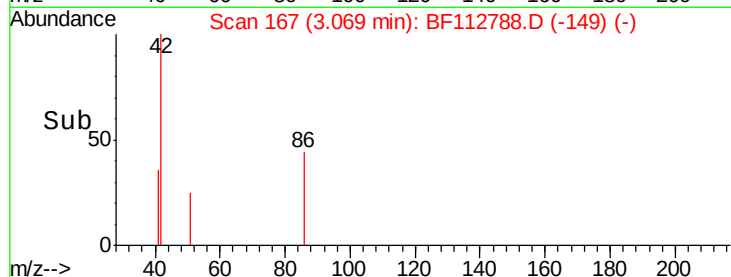
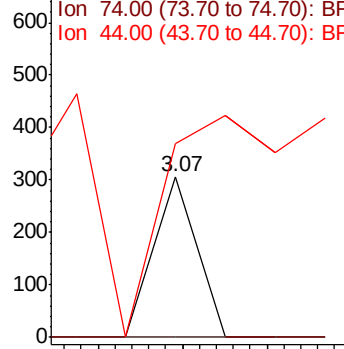
42 100

74 0.0 105.8 158.8#

44 120.6 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: 5.927 ng

RT: 5.34 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

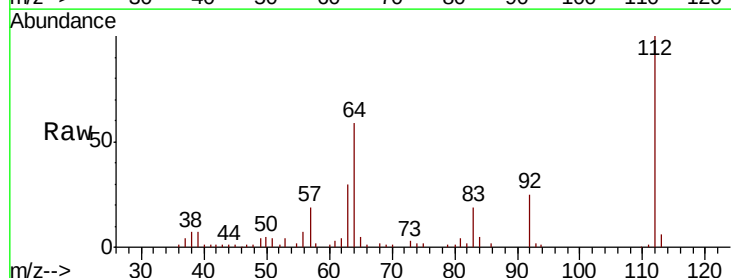
Tgt Ion: 112 Resp: 64942

Ion Ratio Lower Upper

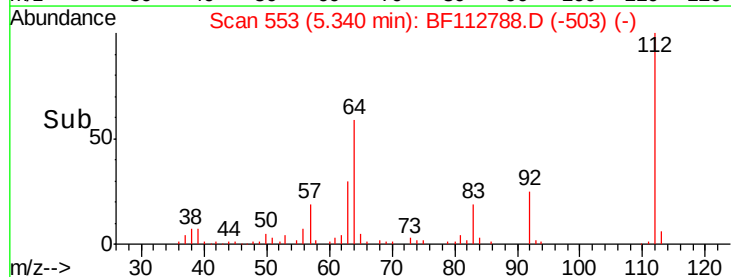
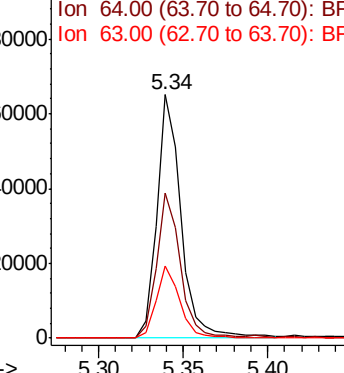
112 100

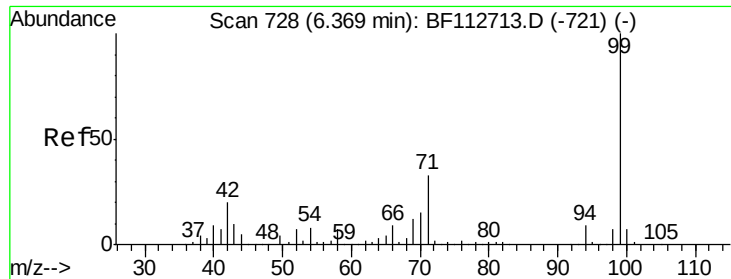
64 59.3 47.6 71.4

63 29.8 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: 6.318 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

Instrument :

BNA_F

ClientSampleId :

B-1(1.5-2.5)

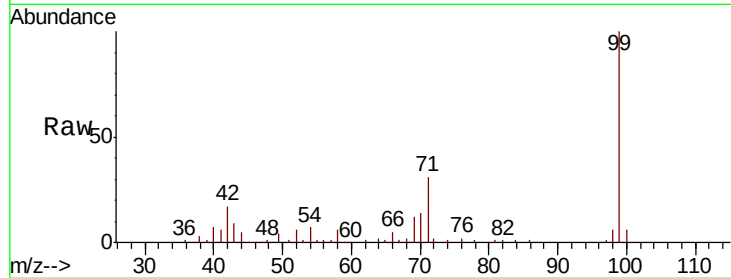
Tgt Ion: 99 Resp: 86958

Ion Ratio Lower Upper

99 100

42 17.0 16.3 24.5

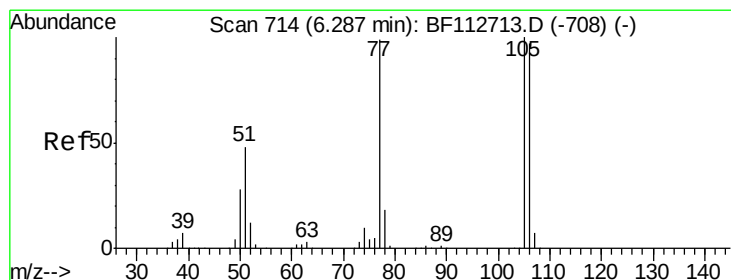
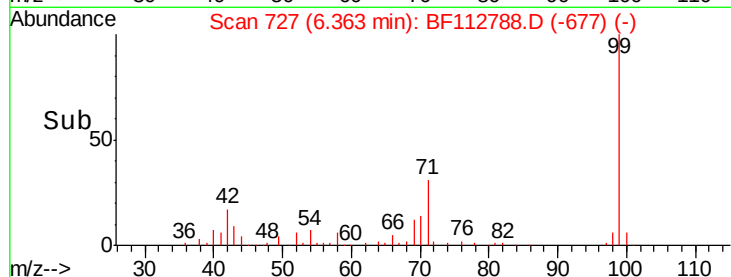
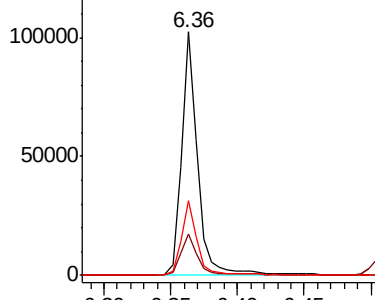
71 30.9 26.2 39.4



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: 0.166 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.22 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

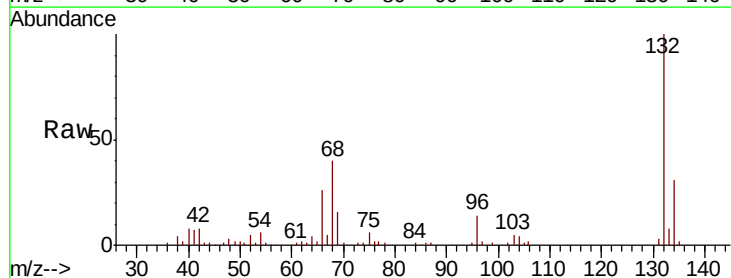
Tgt Ion: 77 Resp: 1649

Ion Ratio Lower Upper

77 100

105 55.7 81.4 121.4#

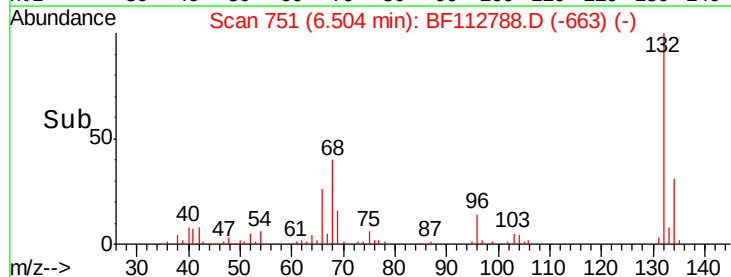
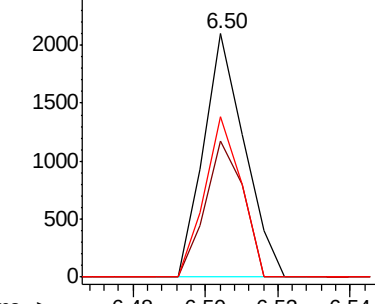
106 66.0 78.3 118.3#

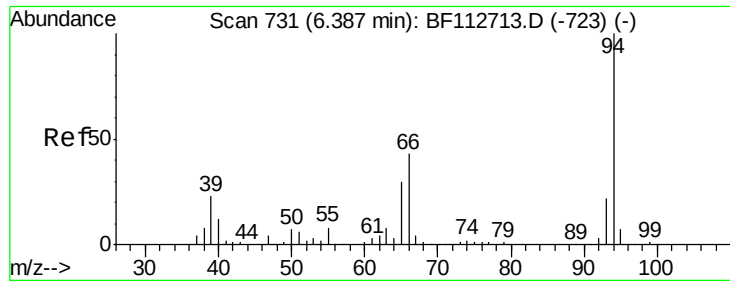


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

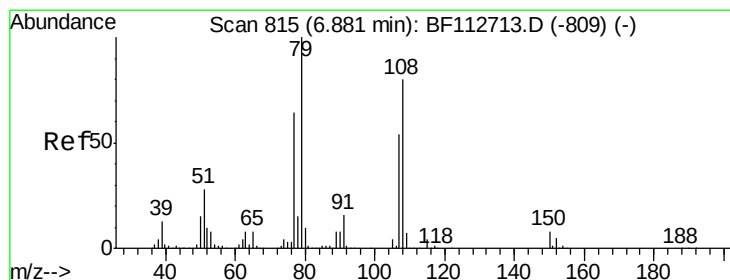
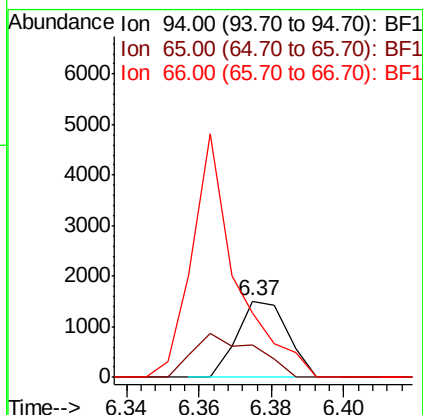
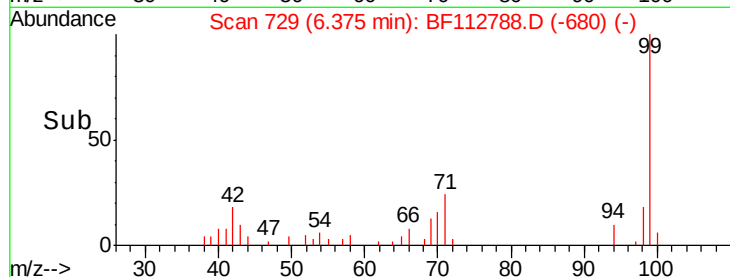
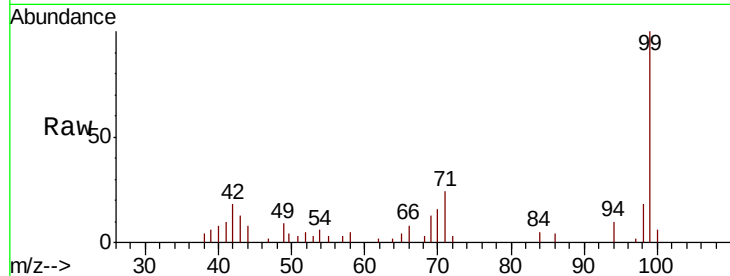




#10
Phenol
Concen: 0.090 ng
RT: 6.37 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF112788.D
Acq: 1 Mar 2019 3:38

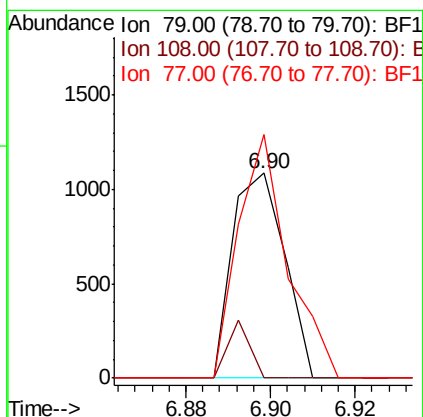
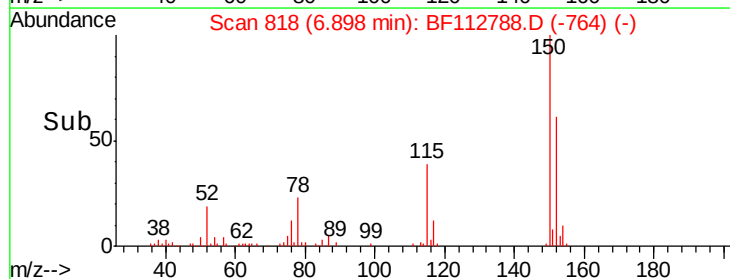
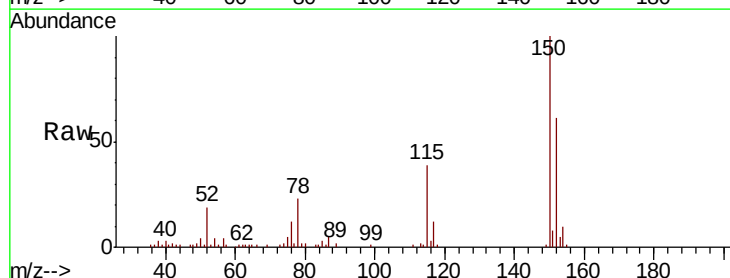
Instrument :
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B-1(1.5-2.5)

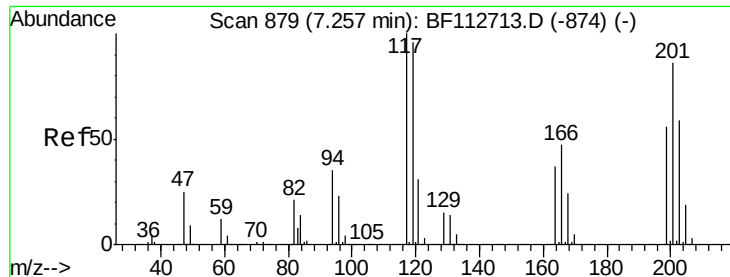
Tgt Ion: 94 Resp: 1444
Ion Ratio Lower Upper
94 100
65 42.8 10.5 50.5
66 84.0 22.6 62.6#



#15
Benzyl Alcohol
Concen: 0.089 ng
RT: 6.90 min Scan# 818
Delta R.T. 0.02 min
Lab File: BF112788.D
Acq: 1 Mar 2019 3:38

Tgt Ion: 79 Resp: 930
Ion Ratio Lower Upper
79 100
108 0.0 64.2 96.4#
77 119.0 51.1 76.7#





#18

Hexachloroethane

Concen: 0.048 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.05 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

Instrument :

BNA_F

ClientSampleId :

B-1(1.5-2.5)

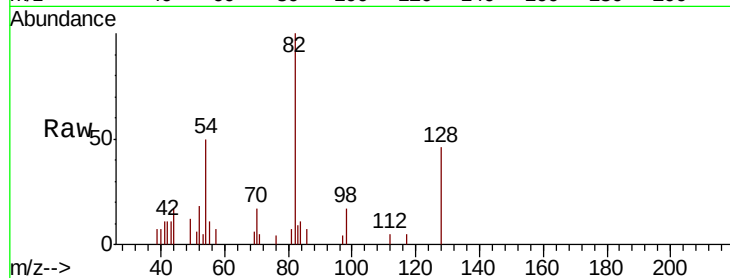
Tgt Ion: 117 Resp: 230

Ion Ratio Lower Upper

117 100

119 0.0 76.6 115.0#

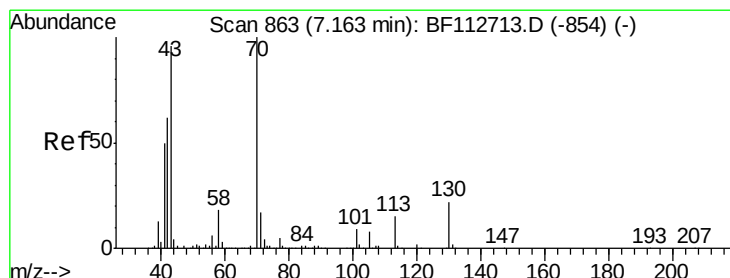
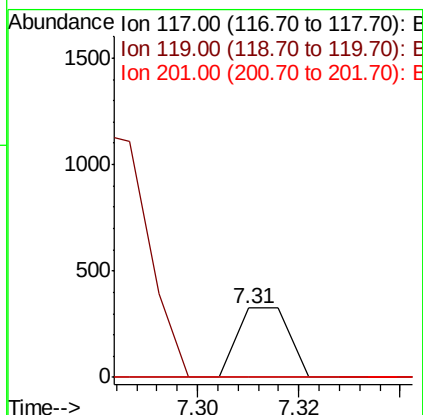
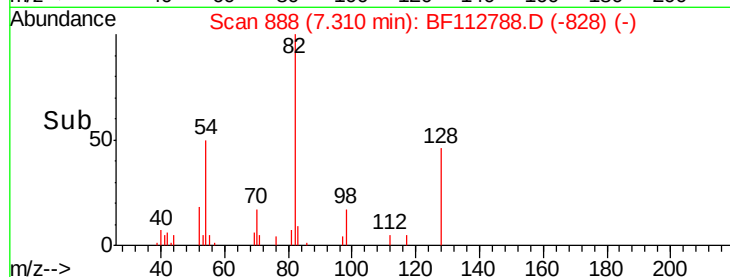
201 0.0 68.9 103.3#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 0.781 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

Tgt Ion: 70 Resp: 6804

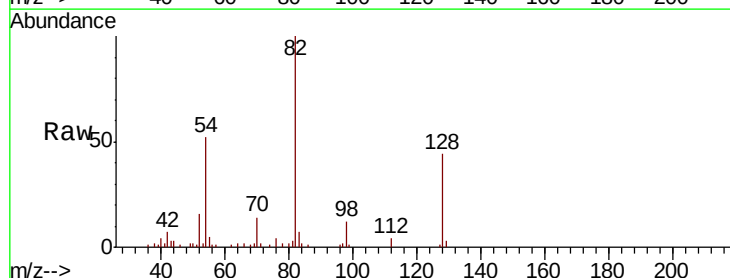
Ion Ratio Lower Upper

70 100

42 50.0 49.9 74.9

101 0.0 7.4 11.2#

130 0.0 17.4 26.2#

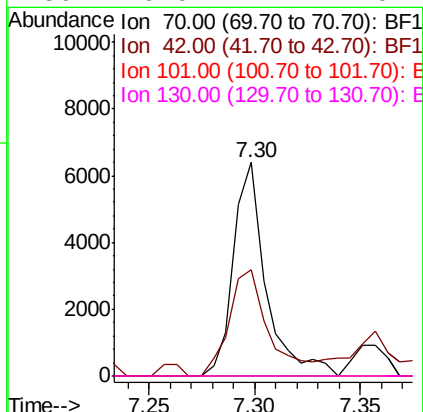
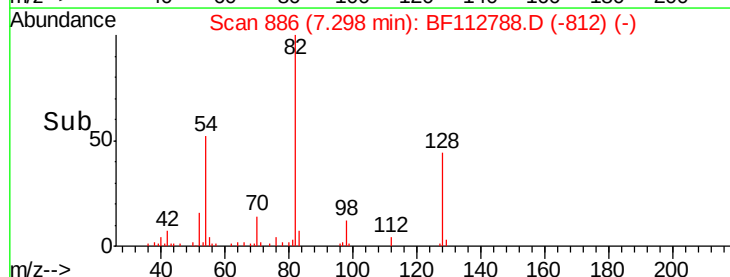


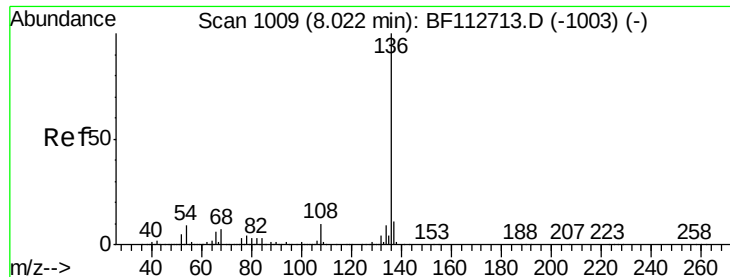
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

Instrument :

BNA_F

ClientSampleId :

B-1(1.5-2.5)

Tgt Ion:136 Resp: 638176

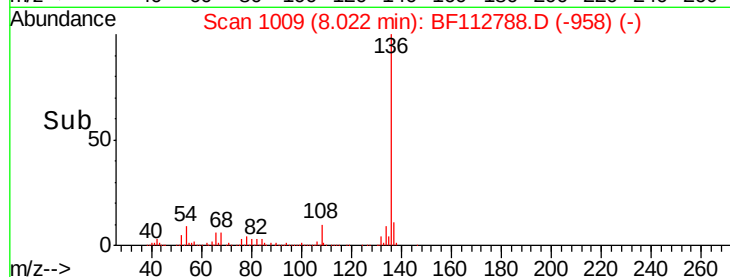
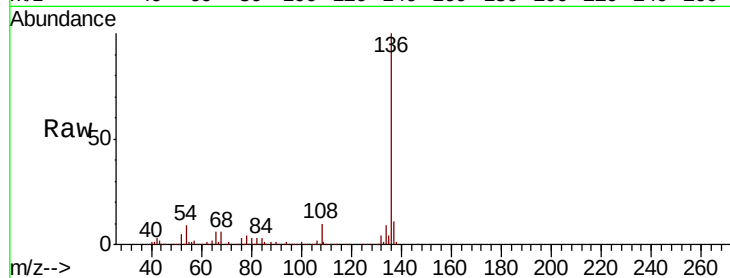
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.8 7.3 10.9

68 6.4 5.4 8.2

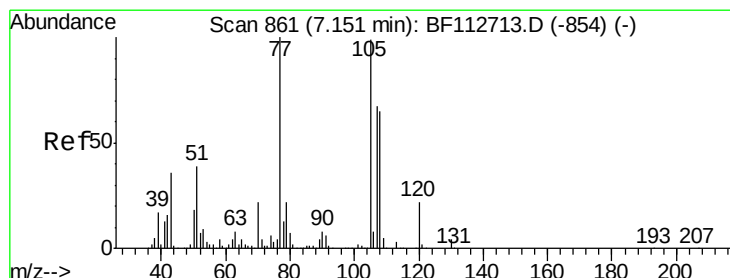
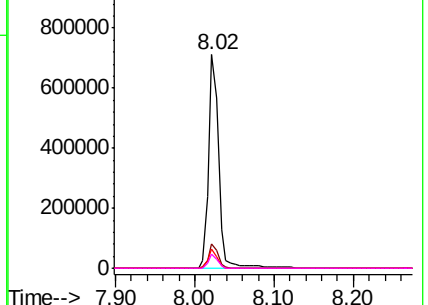


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.055 ng

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

Tgt Ion:105 Resp: 818

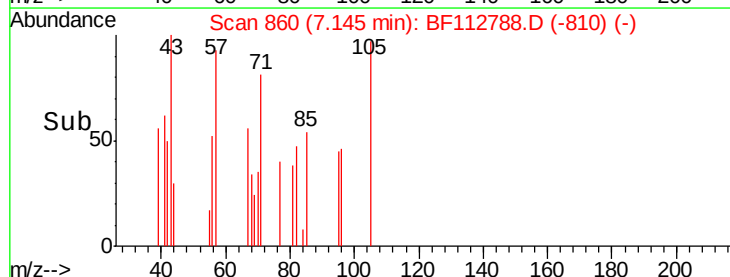
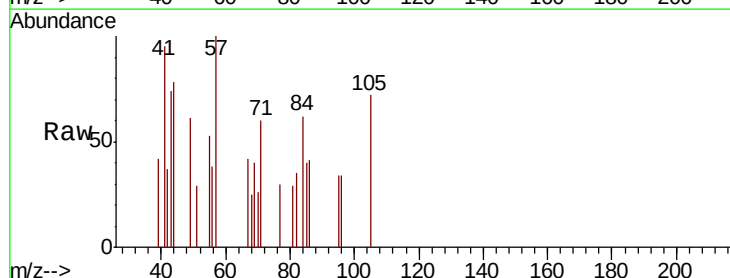
Ion Ratio Lower Upper

105 100

71 83.5 3.0 4.4#

51 40.1 31.5 47.3

120 0.0 18.1 27.1#

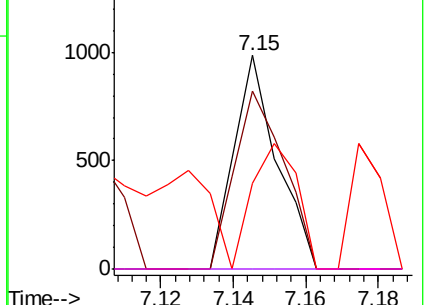


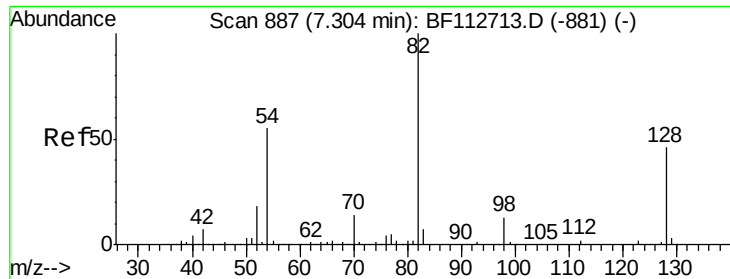
Abundance Ion 105.00 (104.70 to 105.70): E

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

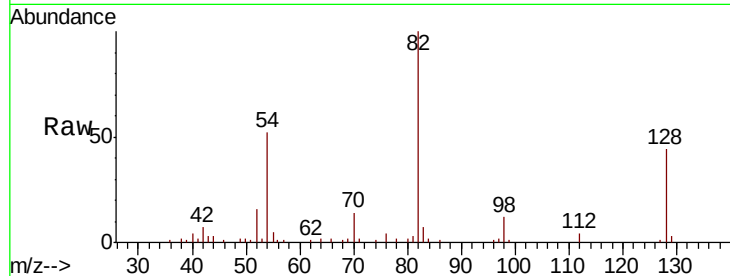




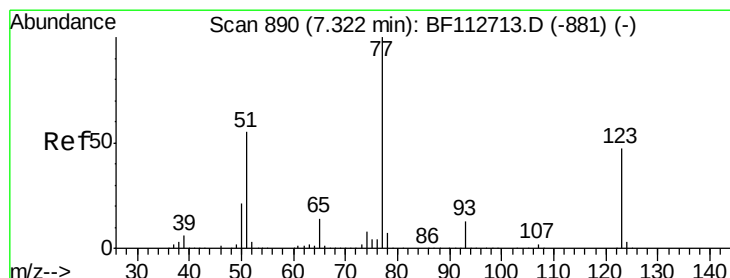
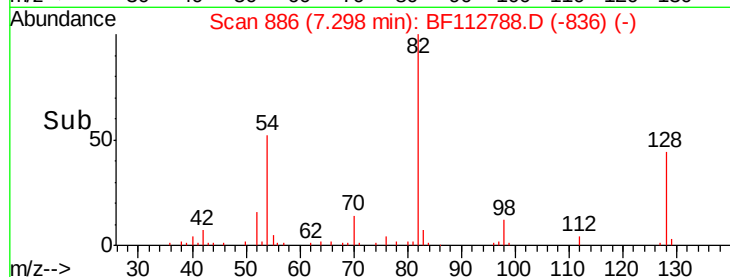
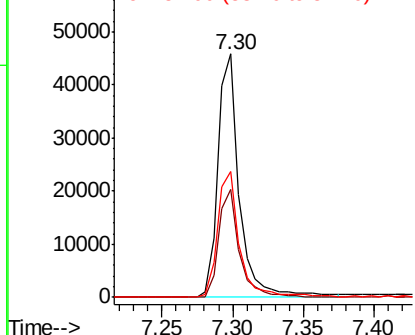
#23
Nitrobenzene-d5
Concen: 4.558 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112788.D
Acq: 1 Mar 2019 3:38

Instrument :
BNA_F
ClientSampleId :
B-1(1.5-2.5)

Tgt Ion: 82 Resp: 48611
Ion Ratio Lower Upper
82 100
128 44.3 36.3 54.5
54 51.8 43.7 65.5

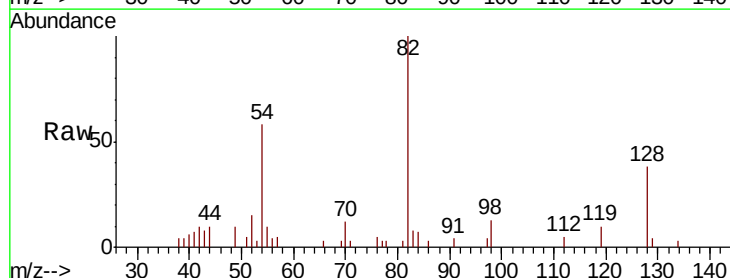


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

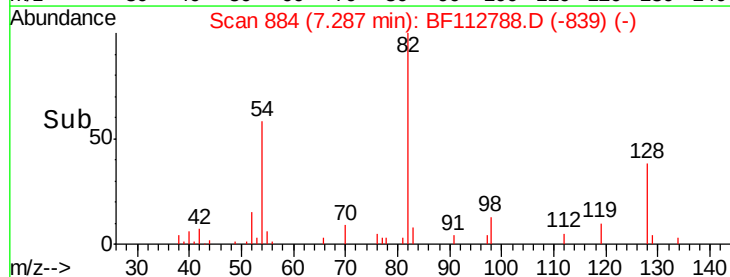
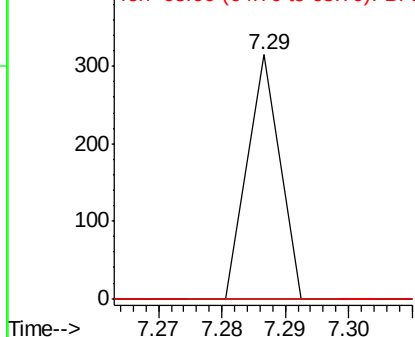


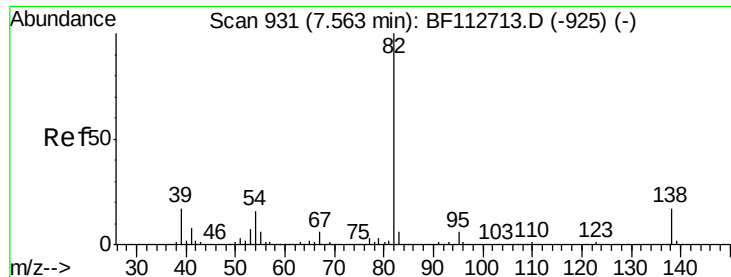
#24
Nitrobenzene
Concen: 0.009 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.04 min
Lab File: BF112788.D
Acq: 1 Mar 2019 3:38

Tgt Ion: 77 Resp: 111
Ion Ratio Lower Upper
77 100
123 0.0 37.8 56.6#
65 0.0 11.1 16.7#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 2.116 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

Instrument :

BNA_F

ClientSampleId :

B-1(1.5-2.5)

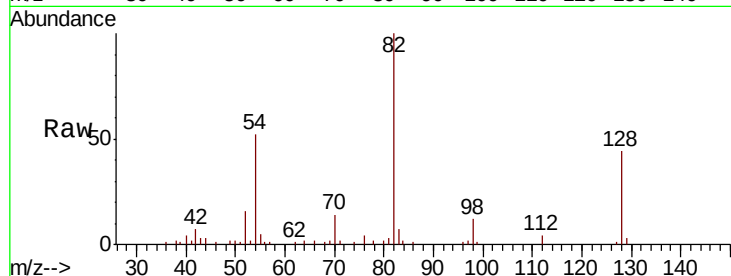
Tgt Ion: 82 Resp: 48618

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

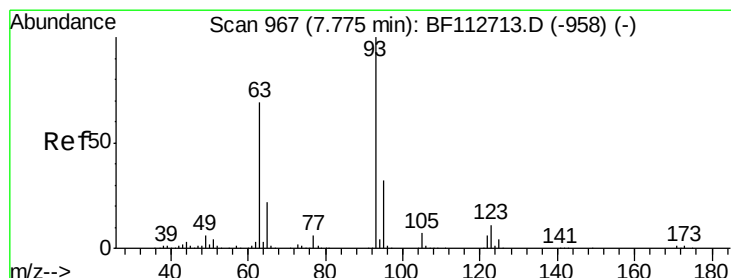
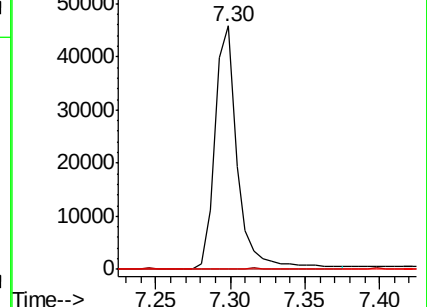
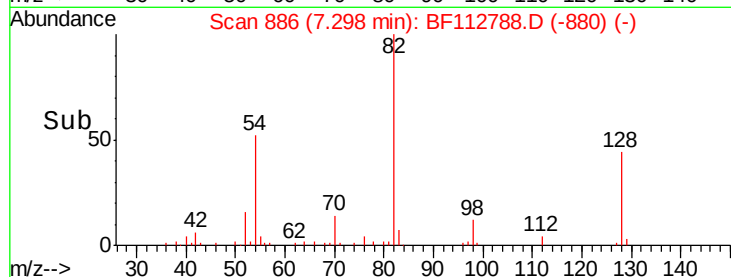
138 0.0 13.8 20.8#



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



#28

bis(2-Chloroethoxy)methane

Concen: 0.017 ng

RT: 8.02 min Scan# 1009

Delta R.T. 0.25 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

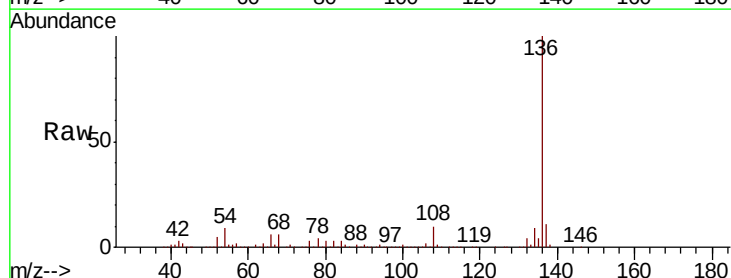
Tgt Ion: 93 Resp: 246

Ion Ratio Lower Upper

93 100

95 200.5 26.0 39.0#

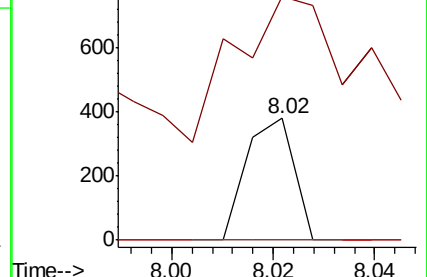
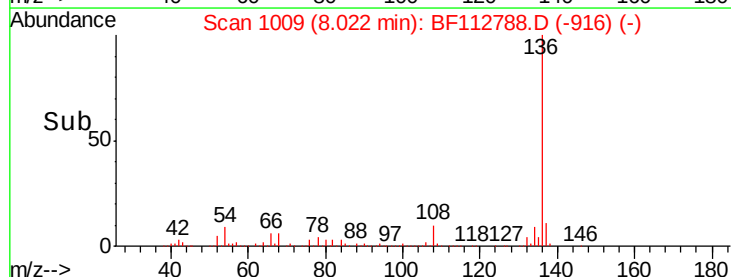
123 0.0 9.3 13.9#

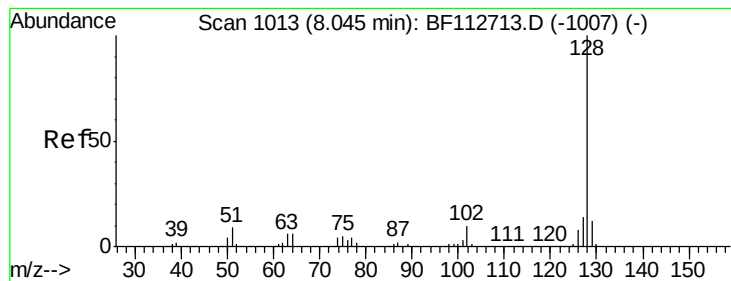


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): BF1





#31

Naphthalene

Concen: 0.112 ng

RT: 8.05 min Scan# 1013

Delta R.T. 0.00 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

Instrument :

BNA_F

ClientSampleId :

B-1(1.5-2.5)

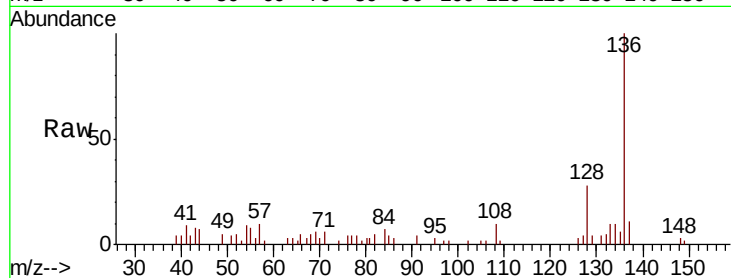
Tgt Ion:128 Resp: 3552

Ion Ratio Lower Upper

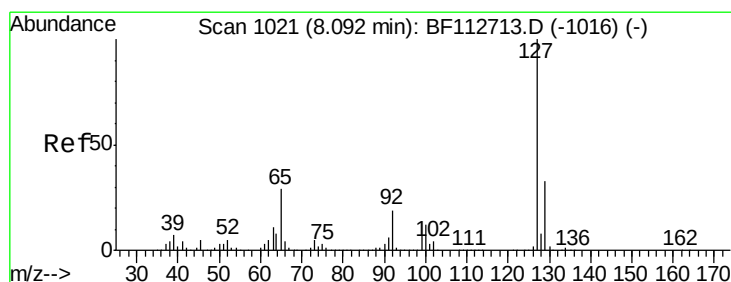
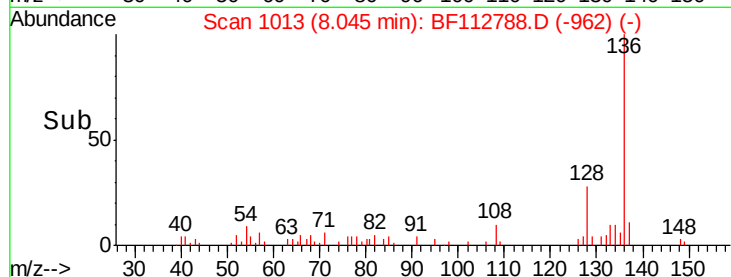
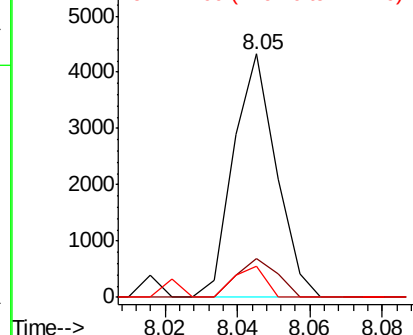
128 100

129 15.7 9.3 13.9#

127 13.0 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: 0.025 ng

RT: 8.05 min Scan# 1013

Delta R.T. -0.05 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

Tgt Ion:127 Resp: 338

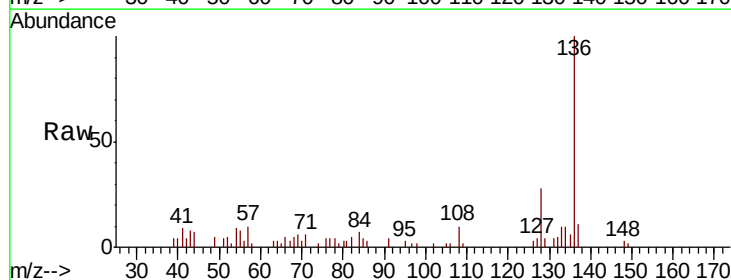
Ion Ratio Lower Upper

127 100

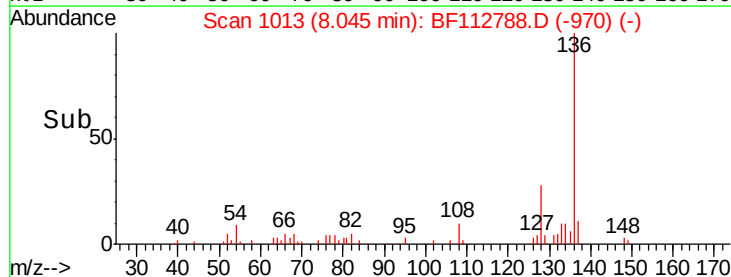
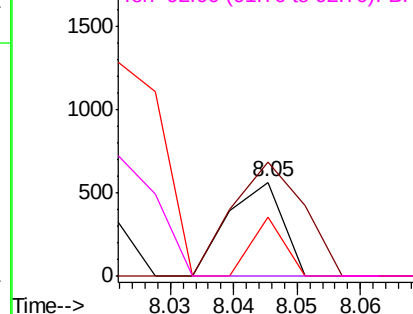
129 120.6 26.4 39.6#

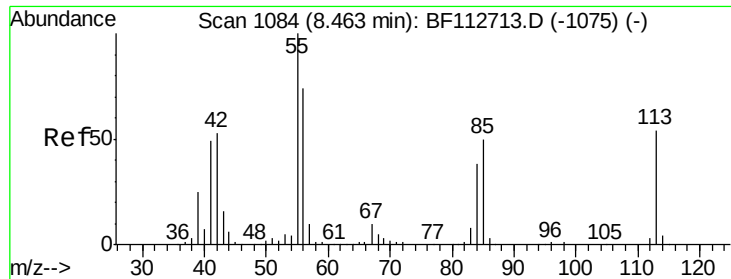
65 62.8 23.1 34.7#

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

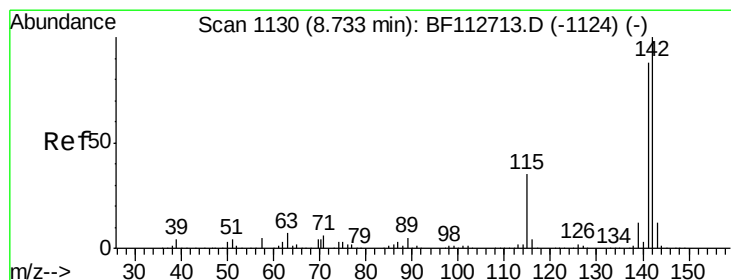
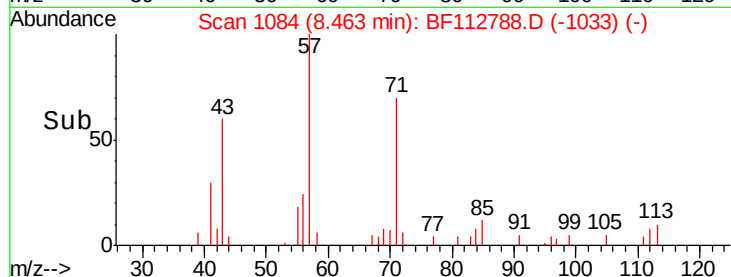
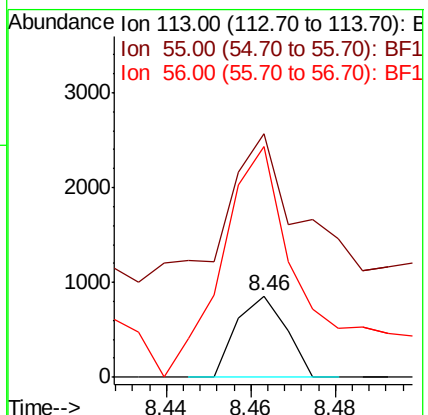
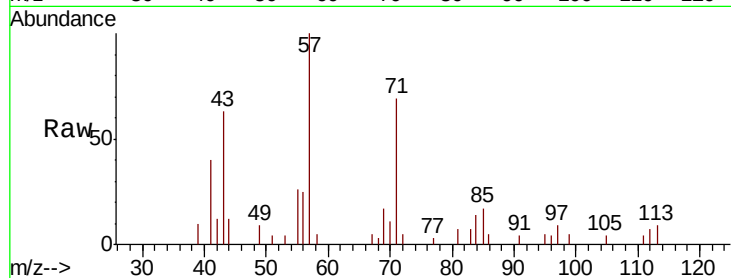




#35
 Caprolactam
 Concen: 0.221 ng
 RT: 8.46 min Scan# 1084
 Delta R.T. 0.00 min
 Lab File: BF112788.D
 Acq: 1 Mar 2019 3:38

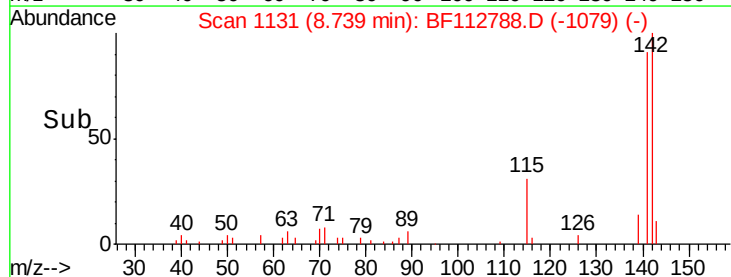
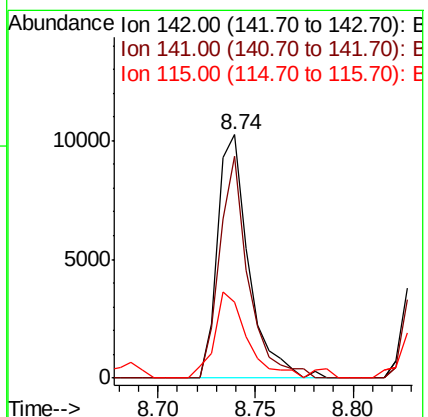
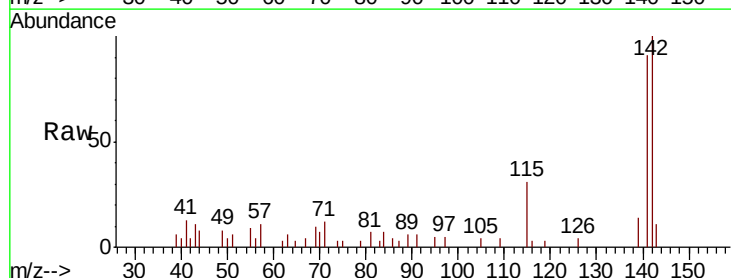
Instrument :
 BNA_F
 ClientSampleId :
 B-1(1.5-2.5)

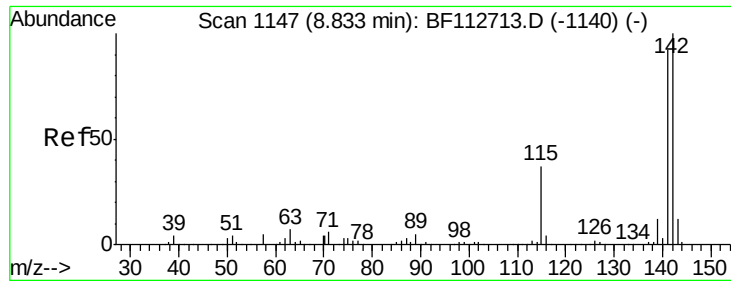
Tgt Ion:113 Resp: 693
 Ion Ratio Lower Upper
 113 100
 55 298.7 163.5 203.5#
 56 283.4 115.3 155.3#



#37
 2-Methylnaphthalene
 Concen: 0.554 ng
 RT: 8.74 min Scan# 1131
 Delta R.T. 0.01 min
 Lab File: BF112788.D
 Acq: 1 Mar 2019 3:38

Tgt Ion:142 Resp: 11336
 Ion Ratio Lower Upper
 142 100
 141 91.1 70.3 105.5
 115 31.0 27.8 41.6

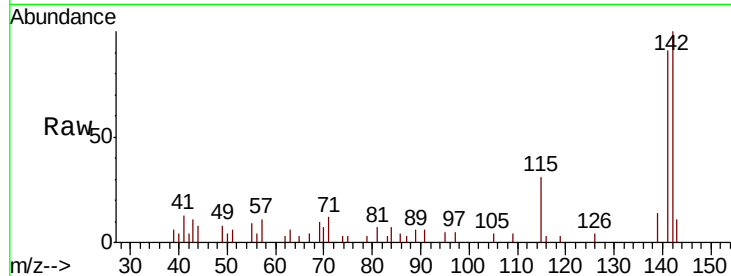




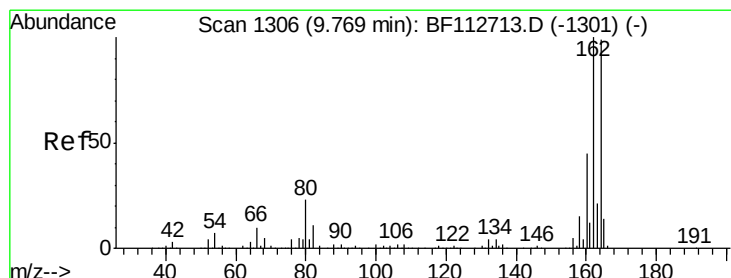
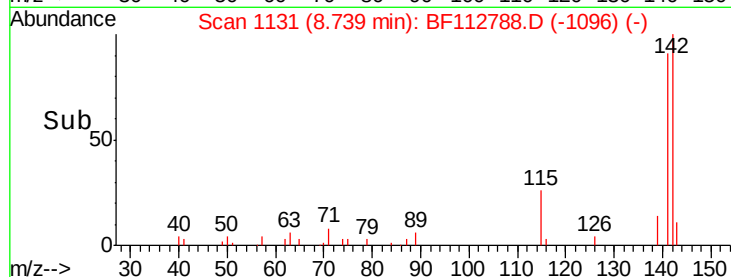
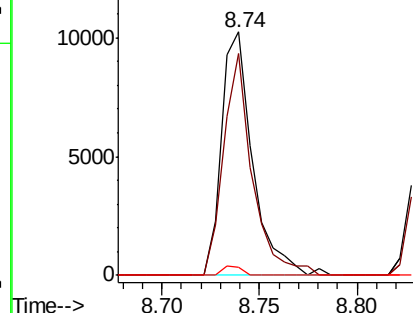
#38
 1-Methylnaphthalene
 Concen: 0.572 ng
 RT: 8.74 min Scan# 1131
 Delta R.T. -0.09 min
 Lab File: BF112788.D
 Acq: 1 Mar 2019 3:38

Instrument :
 BNA_F
 ClientSampled :
 B-1(1.5-2.5)

Tgt Ion:142 Resp: 11336
 Ion Ratio Lower Upper
 142 100
 141 91.1 73.7 110.5
 116 3.1 3.1 4.7

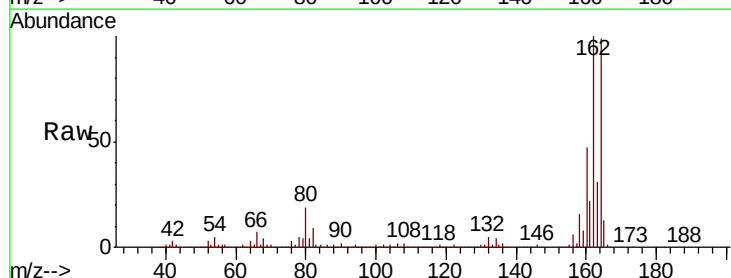


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

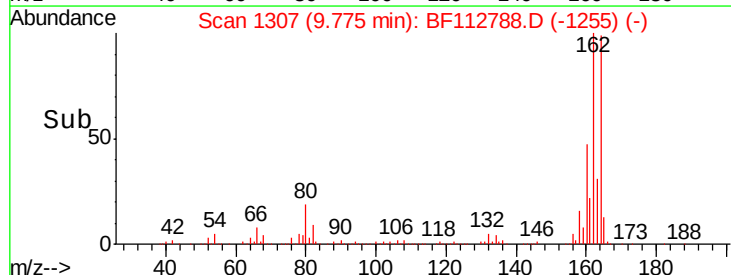
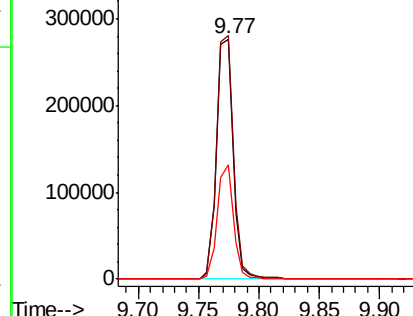


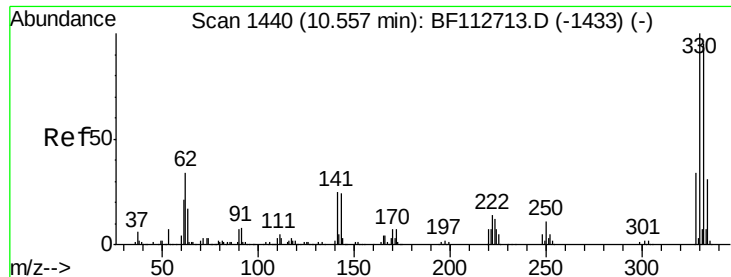
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. 0.01 min
 Lab File: BF112788.D
 Acq: 1 Mar 2019 3:38

Tgt Ion:164 Resp: 263037
 Ion Ratio Lower Upper
 164 100
 162 101.3 80.6 120.8
 160 47.4 36.0 54.0



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: 6.894 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

Instrument :

BNA_F

ClientSampled :

B-1(1.5-2.5)

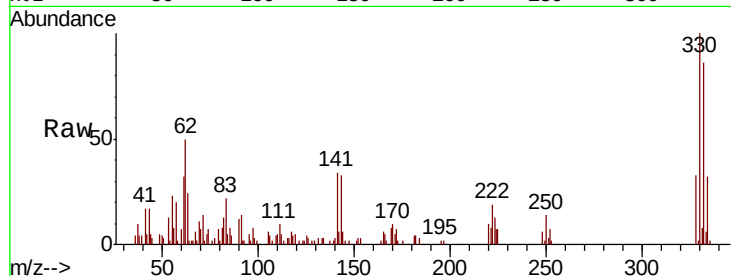
Tgt Ion:330 Resp: 19251

Ion Ratio Lower Upper

330 100

332 93.4 76.2 114.4

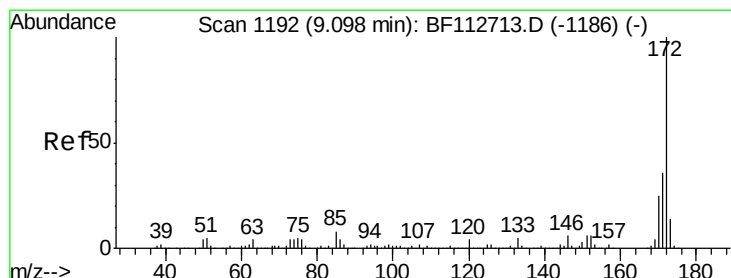
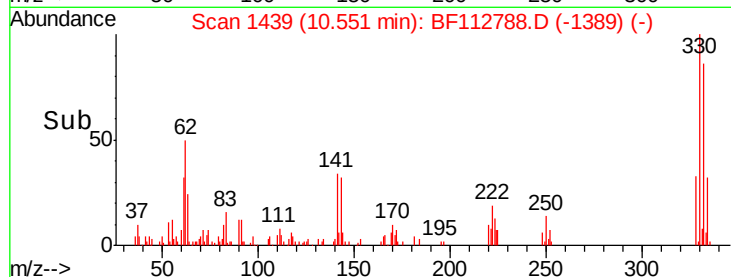
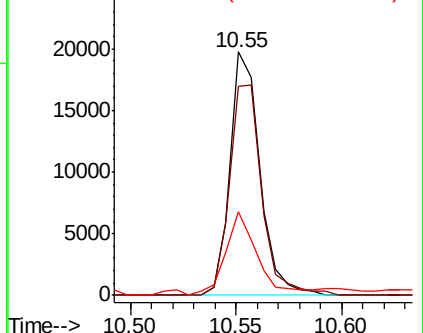
141 35.7 27.0 40.6



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: -8.199 ng

RT: 9.10 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

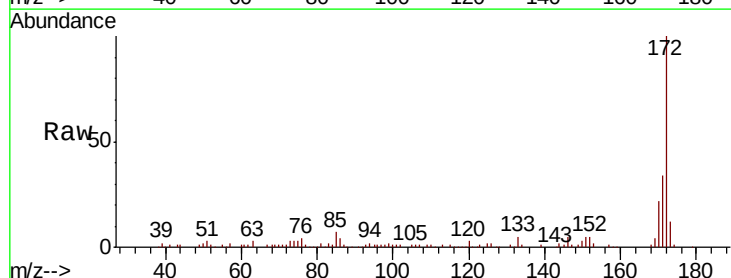
Tgt Ion:172 Resp: 95914

Ion Ratio Lower Upper

172 100

171 34.1 29.0 43.4

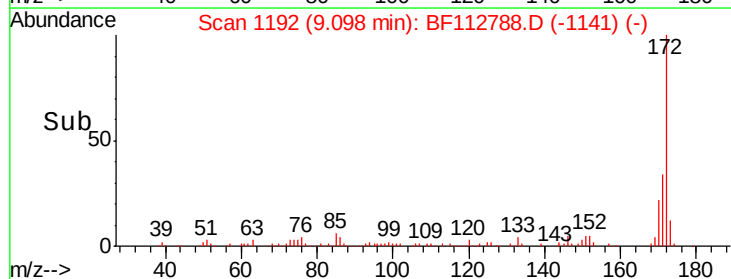
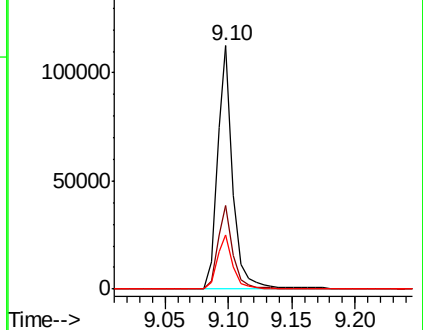
170 22.0 20.0 30.0

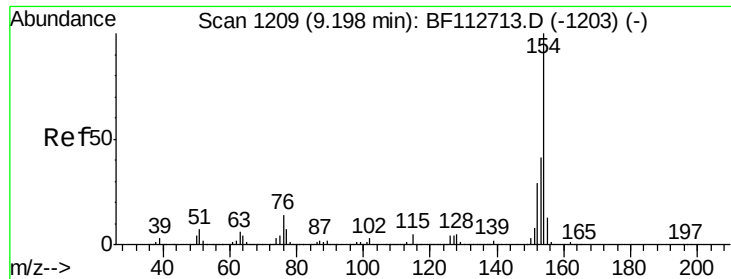


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

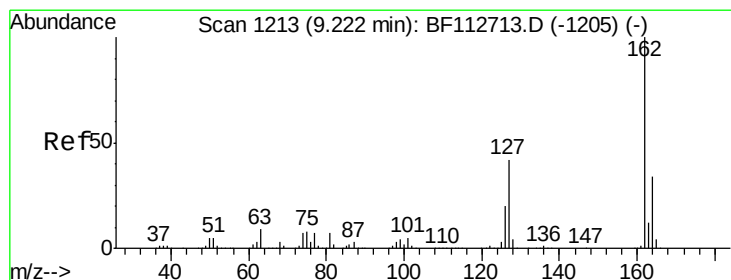
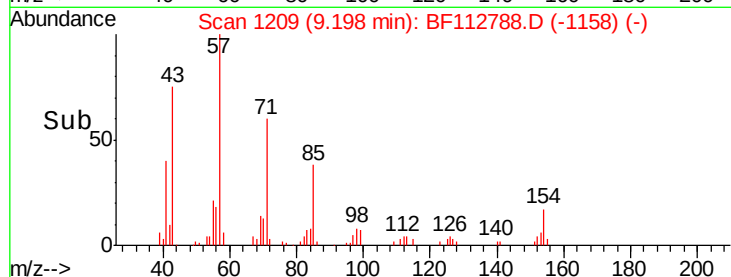
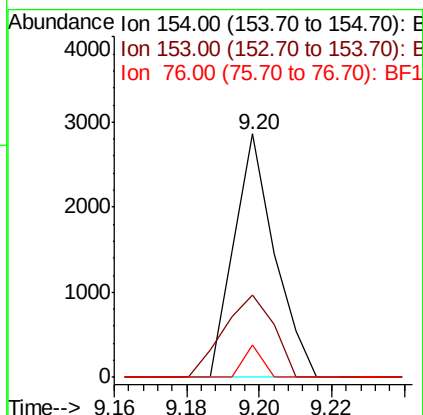
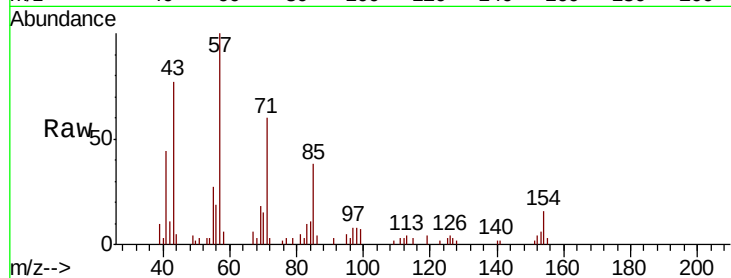




#46
 1,1'-Biphenyl
 Concen: 0.104 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. 0.00 min
 Lab File: BF112788.D
 Acq: 1 Mar 2019 3:38

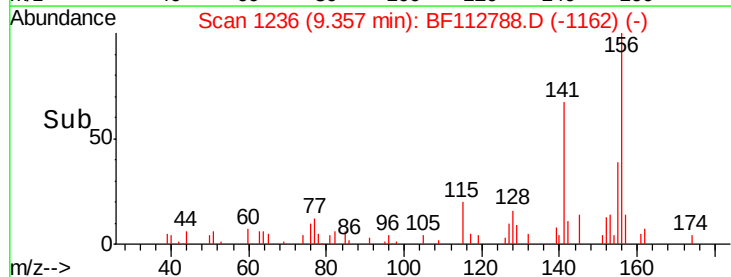
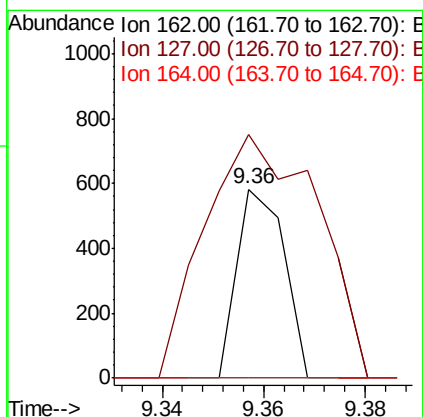
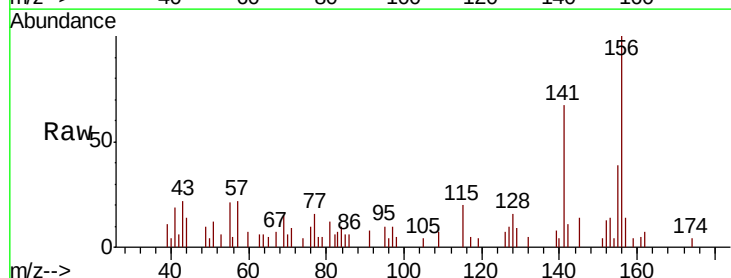
Instrument :
 BNA_F
 ClientSampleId :
 B-1(1.5-2.5)

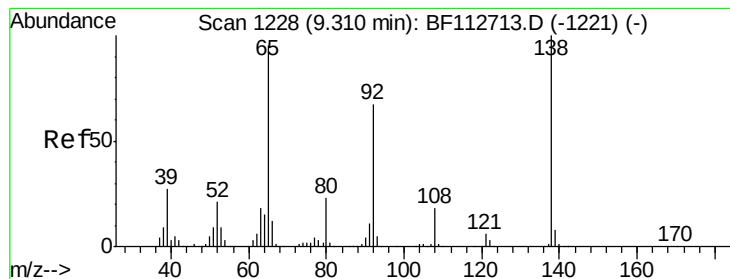
Tgt Ion:	154	Resp:	2233
Ion Ratio	Lower	Upper	
154	100		
153	33.6	20.8	60.8
76	13.2	0.0	33.8



#47
 2-Chloronaphthalene
 Concen: 0.023 ng
 RT: 9.36 min Scan# 1236
 Delta R.T. 0.14 min
 Lab File: BF112788.D
 Acq: 1 Mar 2019 3:38

Tgt Ion:	162	Resp:	380
Ion Ratio	Lower	Upper	
162	100		
127	129.0	33.4	50.2#
164	0.0	26.9	40.3#





#48

2-Nitroaniline

Concen: 0.052 ng

RT: 9.36 min Scan# 1236

Delta R.T. 0.05 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

Instrument :

BNA_F

ClientSampleId :

B-1(1.5-2.5)

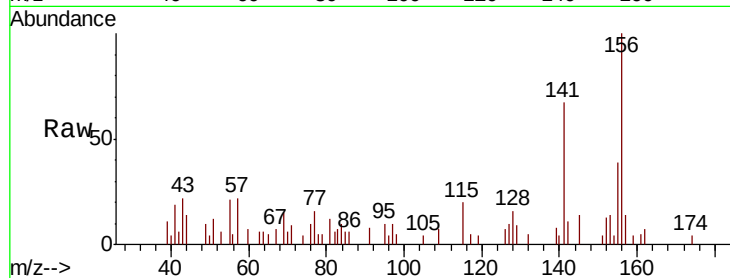
Tgt Ion: 65 Resp: 264

Ion Ratio Lower Upper

65 100

92 0.0 56.4 84.6#

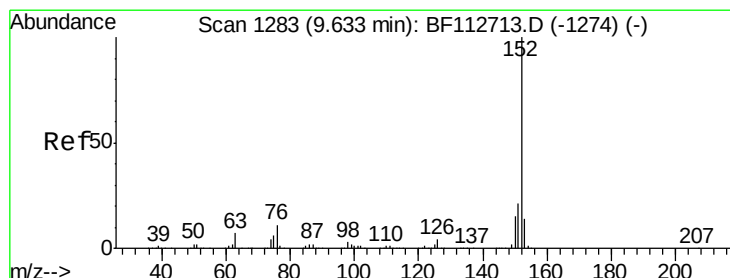
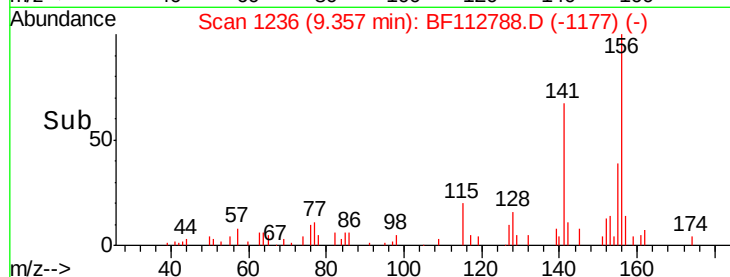
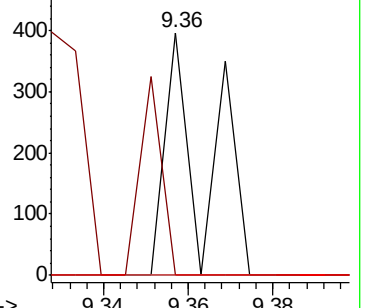
138 0.0 84.6 126.8#



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: 0.050 ng

RT: 9.63 min Scan# 1283

Delta R.T. 0.00 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

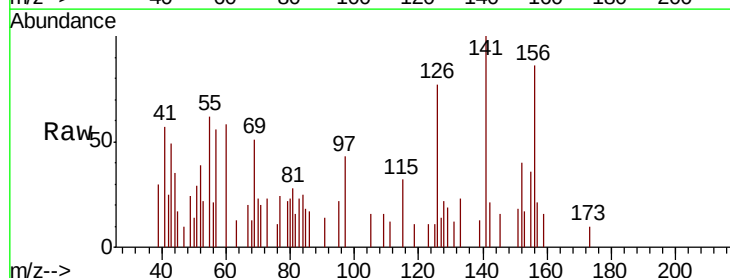
Tgt Ion: 152 Resp: 1408

Ion Ratio Lower Upper

152 100

151 45.7 16.9 25.3#

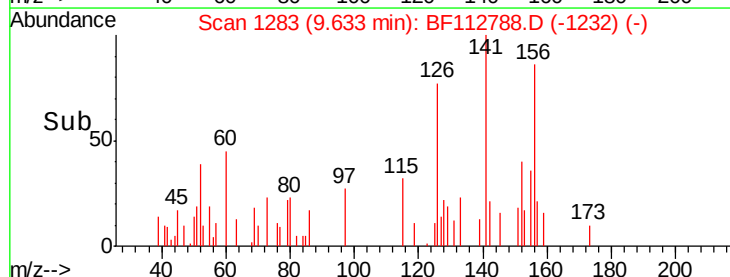
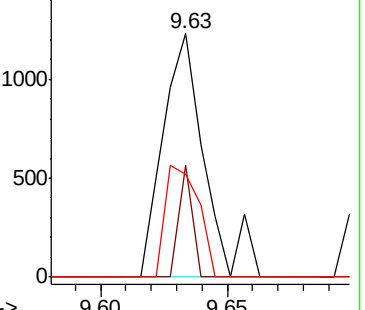
153 42.3 11.0 16.6#

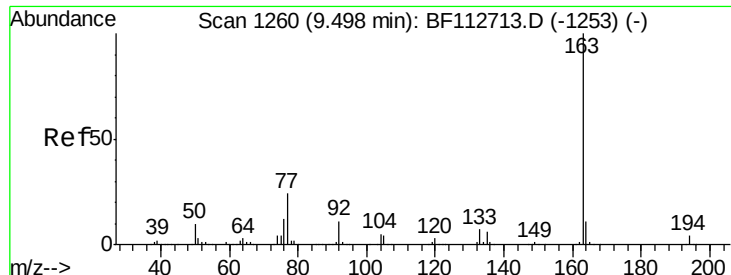


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

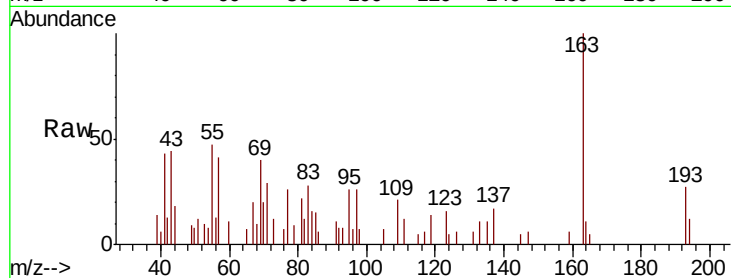




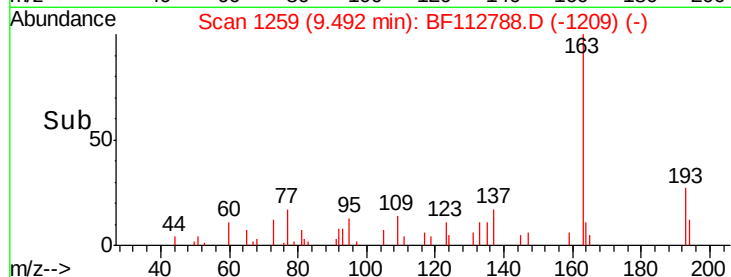
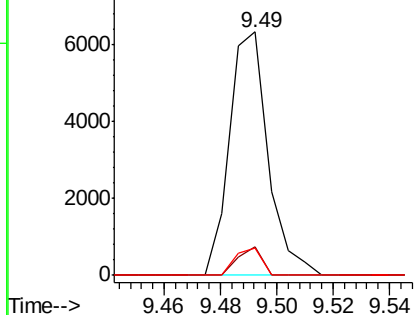
#50
Dimethylphthalate
Concen: 0.310 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF112788.D
Acq: 1 Mar 2019 3:38

Instrument :
BNA_F
ClientSampleId :
B-1(1.5-2.5)

Tgt Ion:163 Resp: 6015
Ion Ratio Lower Upper
163 100
194 11.9 3.0 4.4#
164 11.0 8.4 12.6

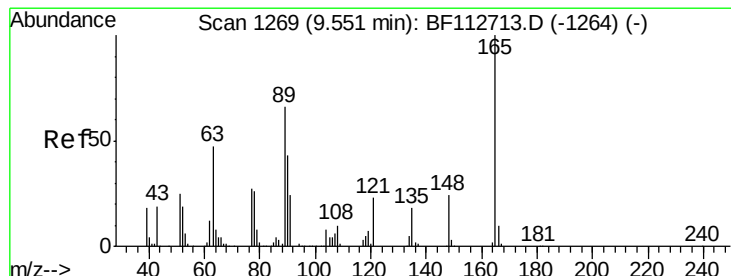


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

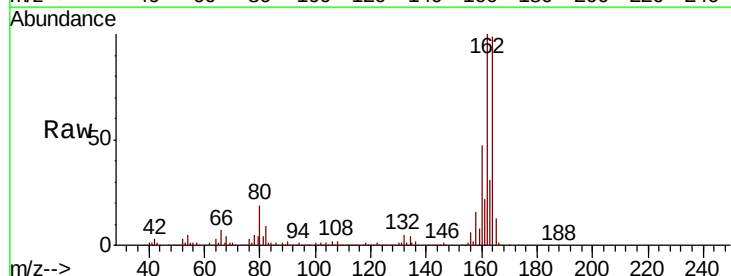
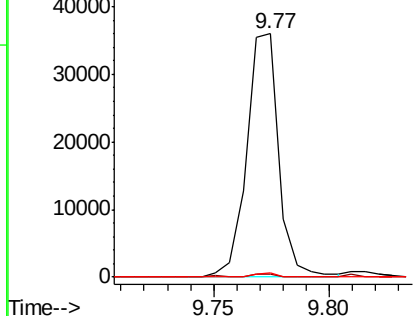


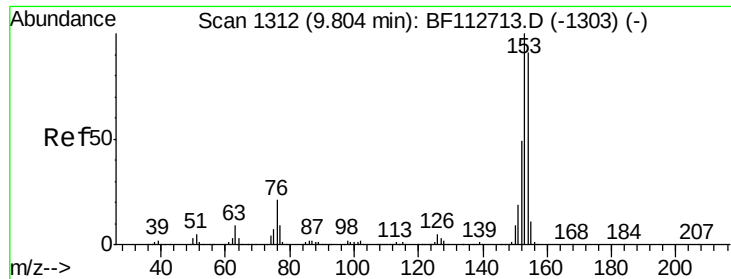
#51
2,6-Dinitrotoluene
Concen: 8.664 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.22 min
Lab File: BF112788.D
Acq: 1 Mar 2019 3:38

Tgt Ion:165 Resp: 34994
Ion Ratio Lower Upper
165 100
63 1.2 54.1 81.1#
89 1.7 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: 0.043 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

Instrument :

BNA_F

ClientSampleId :

B-1(1.5-2.5)

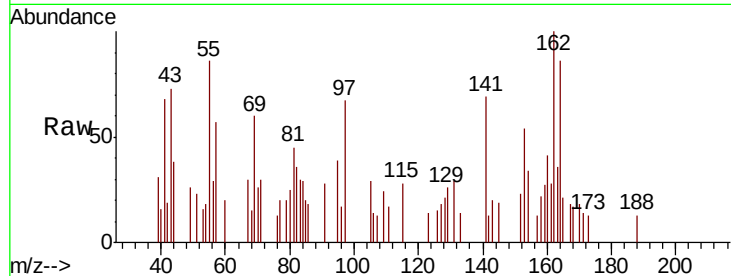
Tgt Ion:154 Resp: 719

Ion Ratio Lower Upper

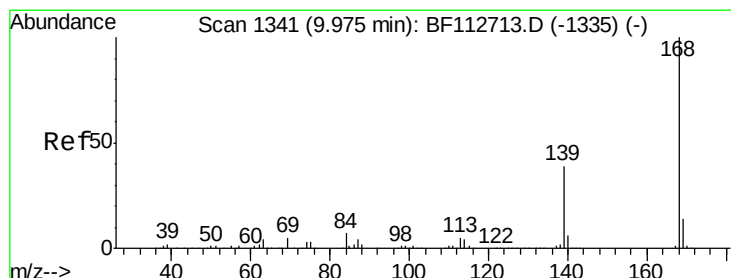
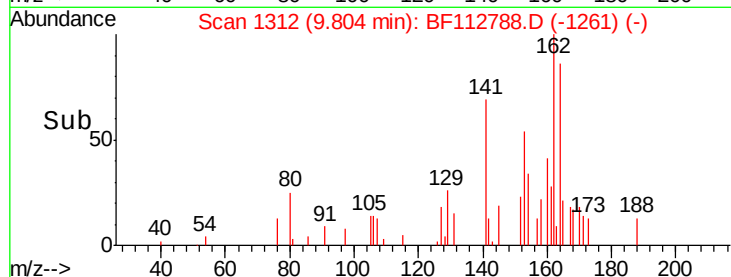
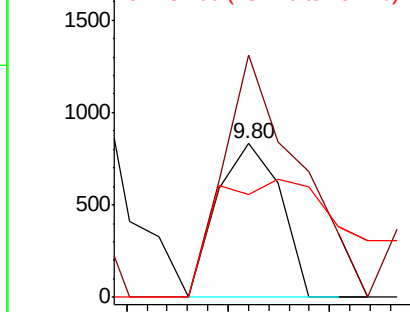
154 100

153 157.8 87.8 131.8#

152 66.7 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: 0.056 ng

RT: 9.97 min Scan# 1341

Delta R.T. 0.00 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

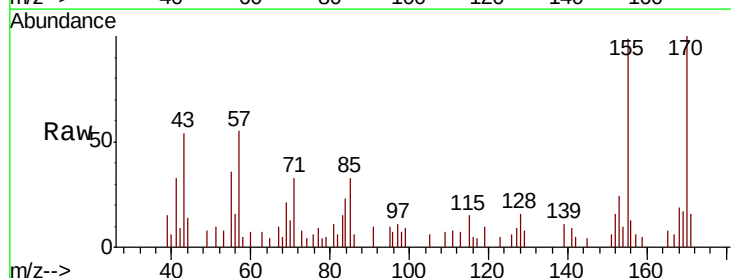
Tgt Ion:168 Resp: 1344

Ion Ratio Lower Upper

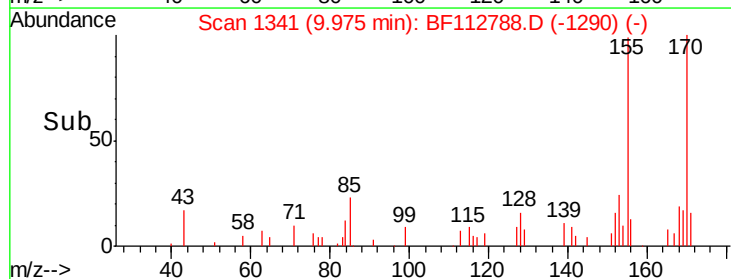
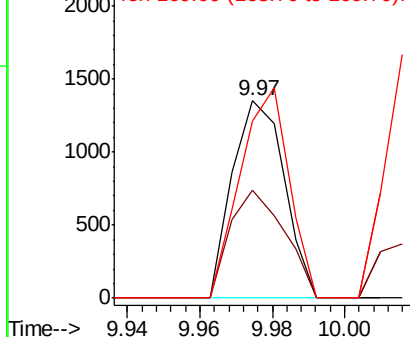
168 100

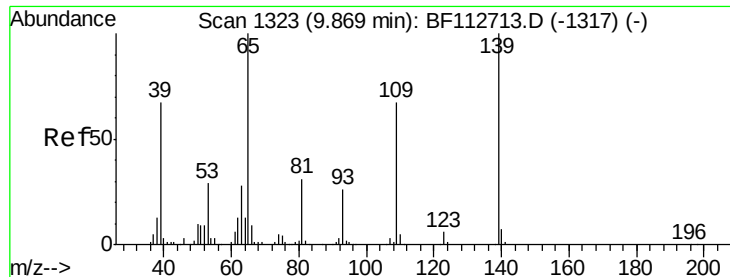
139 55.0 31.3 46.9#

169 89.9 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

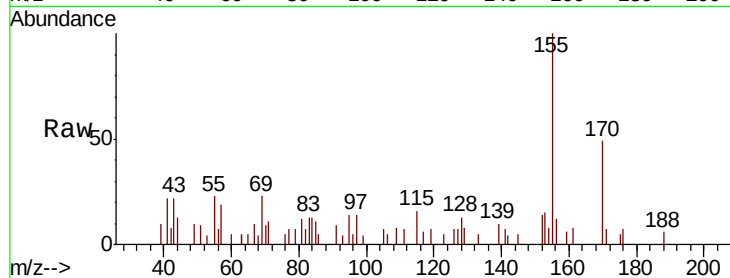




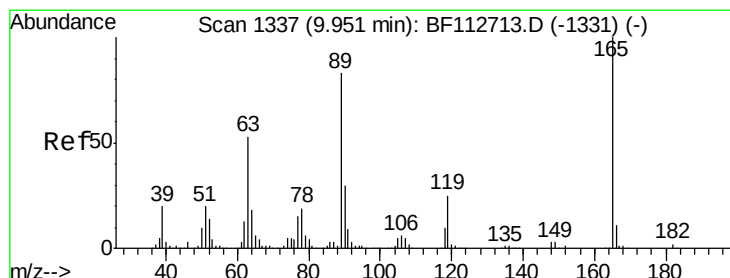
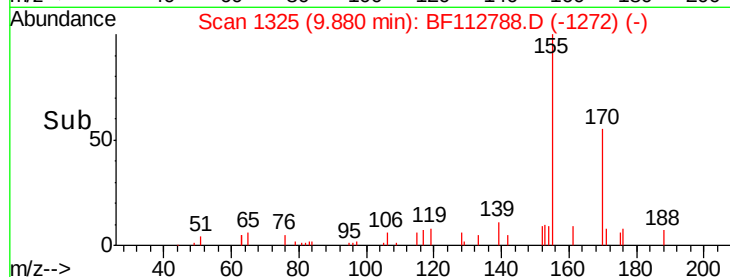
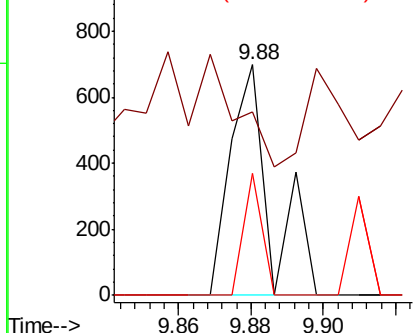
#56
4-Nitrophenol
Concen: 0.136 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.01 min
Lab File: BF112788.D
Acq: 1 Mar 2019 3:38

Instrument :
BNA_F
ClientSampled :
B-1(1.5-2.5)

Tgt Ion:139 Resp: 545
Ion Ratio Lower Upper
139 100
109 79.8 46.8 86.8
65 53.2 80.7 120.7#

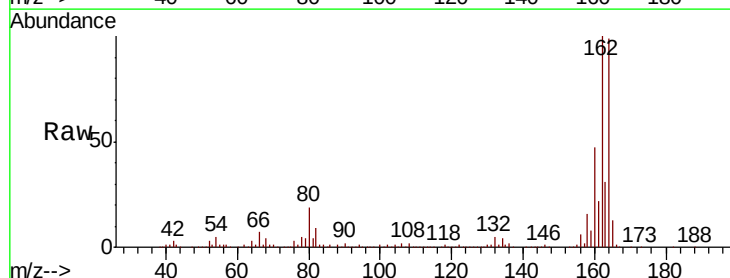


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

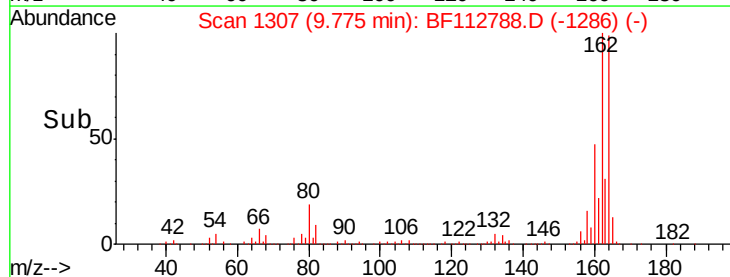
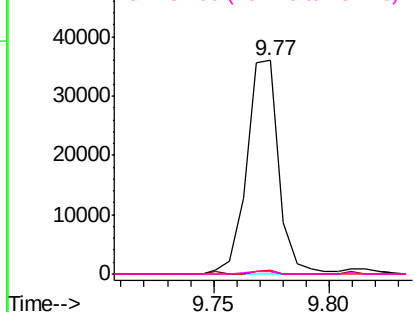


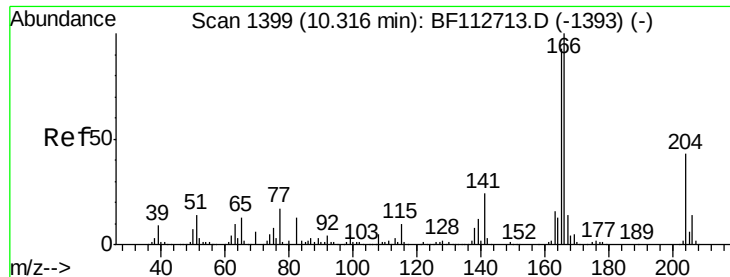
#57
2,4-Dinitrotoluene
Concen: 6.970 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.18 min
Lab File: BF112788.D
Acq: 1 Mar 2019 3:38

Tgt Ion:165 Resp: 34994
Ion Ratio Lower Upper
165 100
63 1.2 42.2 63.2#
89 1.7 66.2 99.4#
182 1.0 1.8 2.6#



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





#58

Fluorene

Concen: 0.143 ng

RT: 10.32 min Scan# 1399

Delta R.T. 0.00 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

Instrument :

BNA_F

ClientSampleId :

B-1(1.5-2.5)

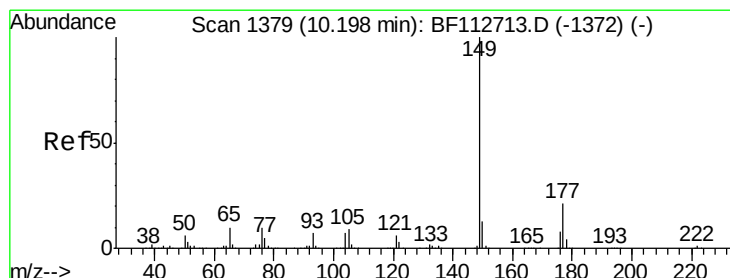
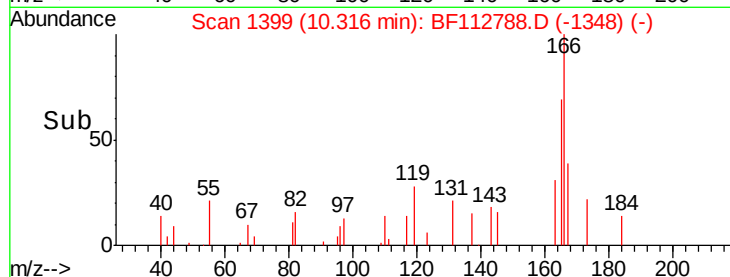
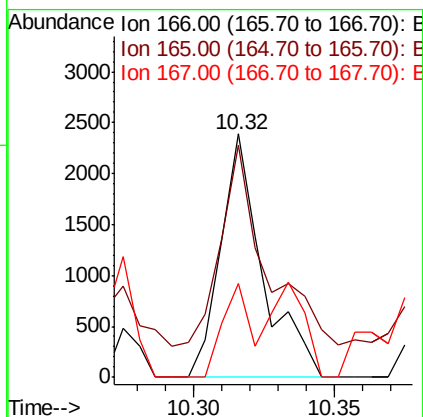
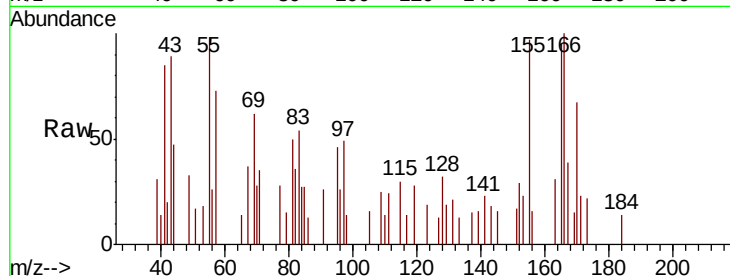
Tgt Ion:166 Resp: 2461

Ion Ratio Lower Upper

166 100

165 95.2 74.7 112.1

167 38.6 11.0 16.6#



#60

Diethylphthalate

Concen: 0.019 ng

RT: 10.19 min Scan# 1378

Delta R.T. -0.01 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

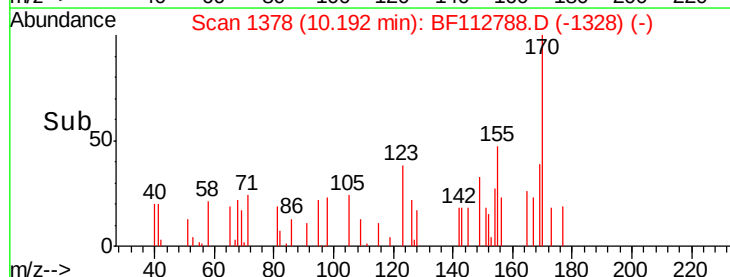
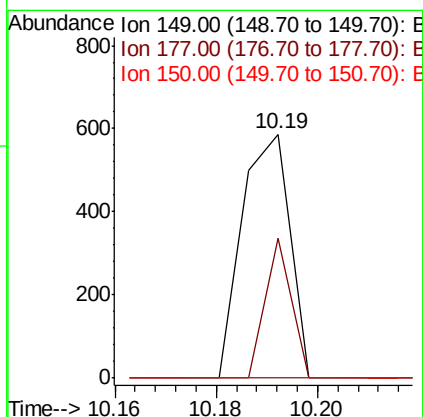
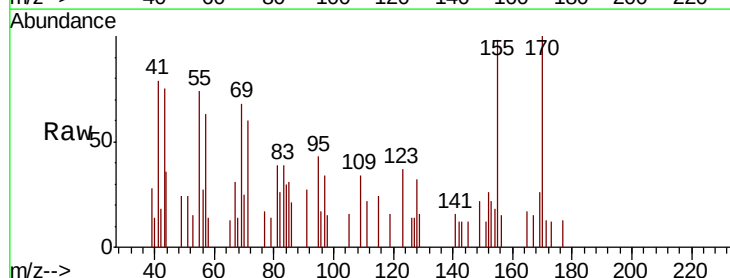
Tgt Ion:149 Resp: 383

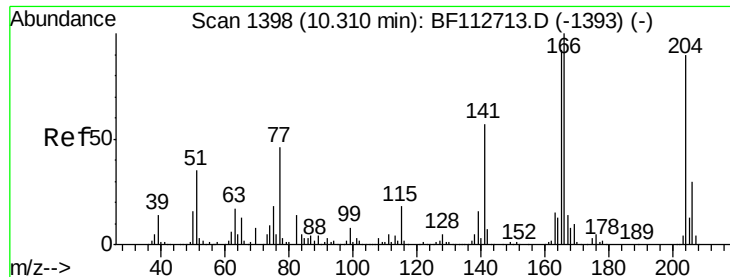
Ion Ratio Lower Upper

149 100

177 57.2 17.0 25.6#

150 0.0 10.0 15.0#

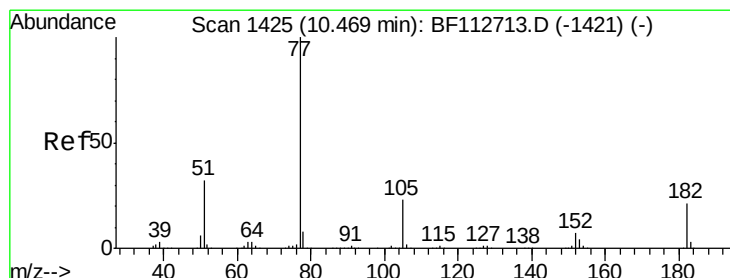
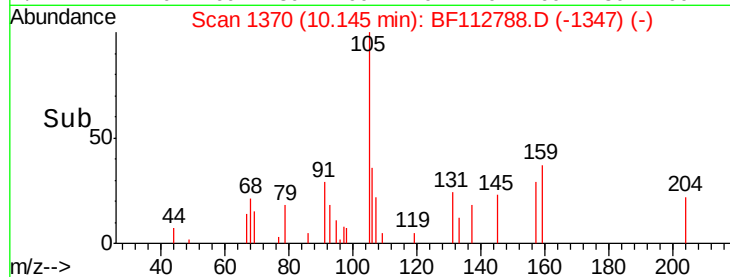
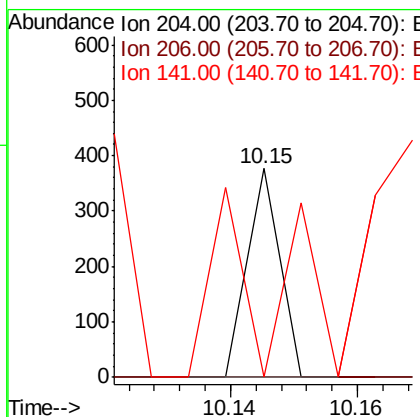
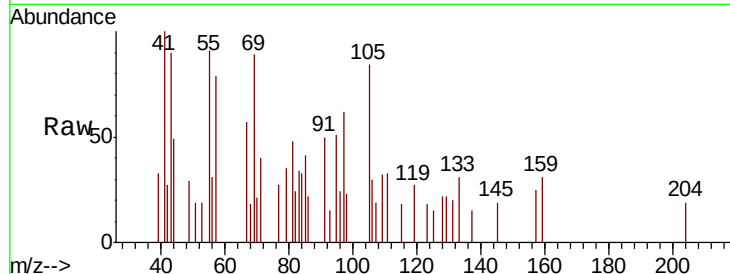




#61
4-Chlorophenyl-phenylether
Concen: 0.017 ng
RT: 10.15 min Scan# 1370
Delta R.T. -0.16 min
Lab File: BF112788.D
Acq: 1 Mar 2019 3:38

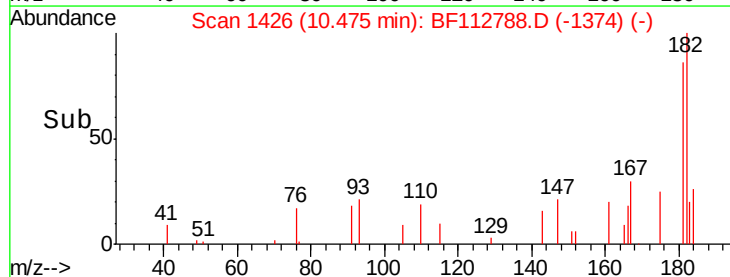
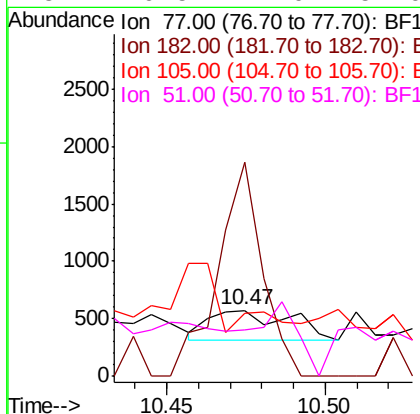
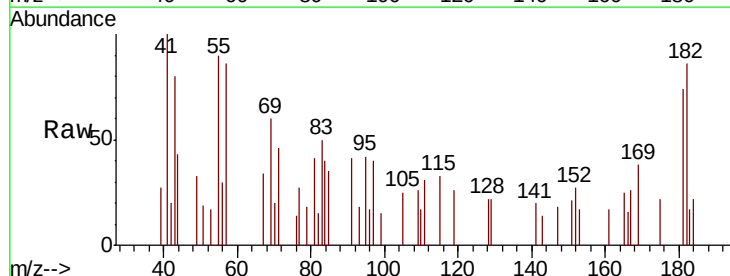
Instrument :
BNA_F
ClientSampleId :
B-1(1.5-2.5)

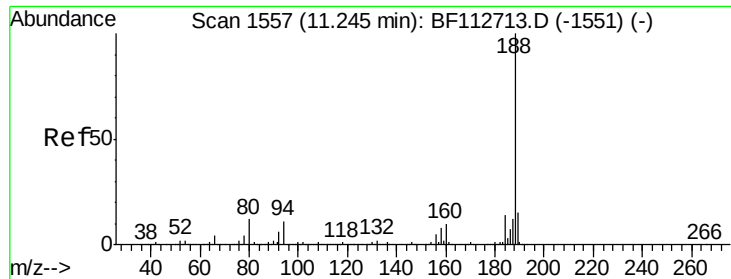
Tgt Ion: 204 Resp: 133
Ion Ratio Lower Upper
204 100
206 0.0 26.6 40.0#
141 0.0 50.8 76.2#



#63
Azobenzene
Concen: 0.021 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.01 min
Lab File: BF112788.D
Acq: 1 Mar 2019 3:38

Tgt Ion: 77 Resp: 445
Ion Ratio Lower Upper
77 100
182 325.0 1.4 41.4#
105 95.5 2.6 42.6#
51 70.5 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: BF112788.D

Acq: 1 Mar 2019 3:38

Instrument :

BNA_F

ClientSampleId :

B-1(1.5-2.5)

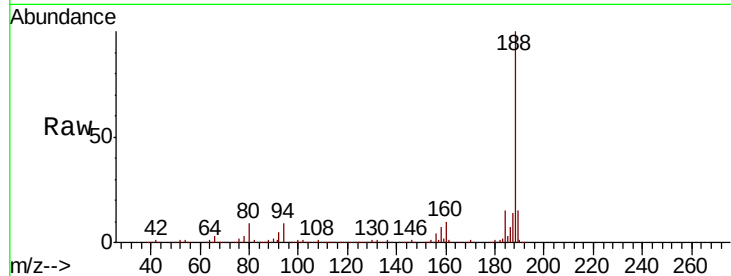
Tgt Ion:188 Resp: 506740

Ion Ratio Lower Upper

188 100

94 9.1 9.0 13.4

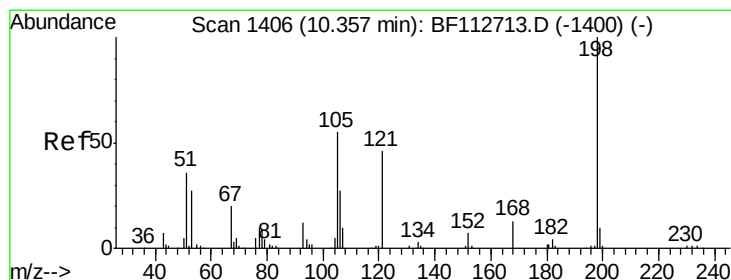
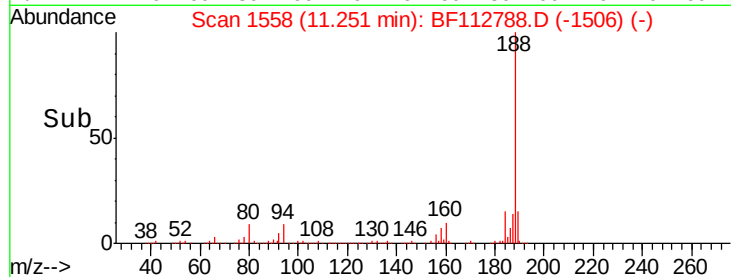
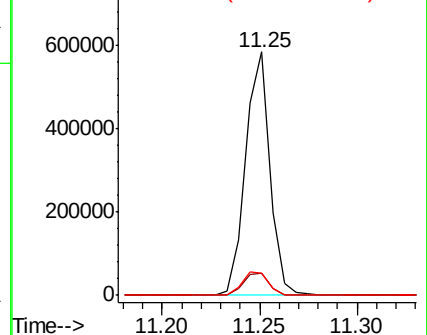
80 9.1 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 4.666 ng

RT: 10.60 min Scan# 1447

Delta R.T. 0.24 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

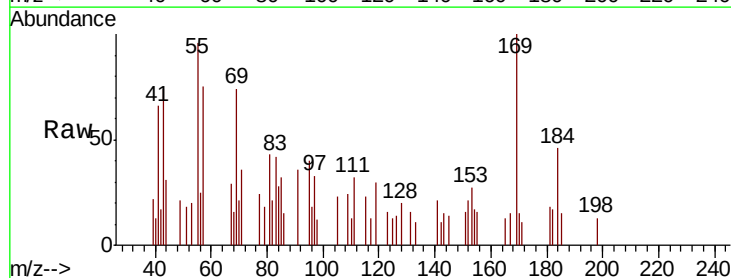
Tgt Ion:198 Resp: 122

Ion Ratio Lower Upper

198 100

51 141.6 43.8 83.8#

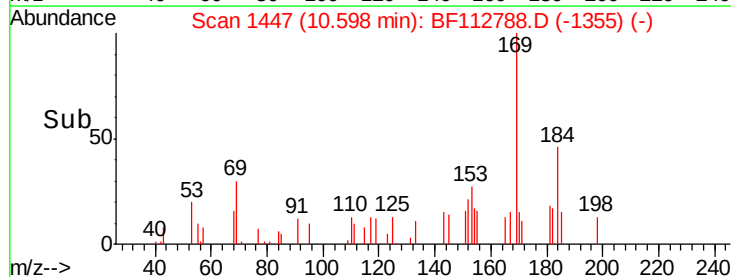
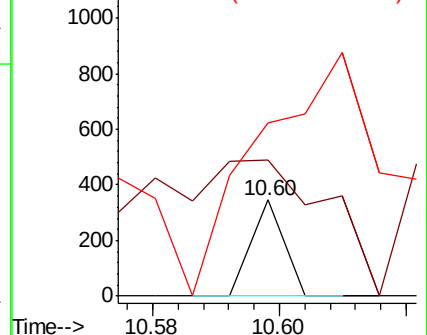
105 180.6 36.5 76.5#

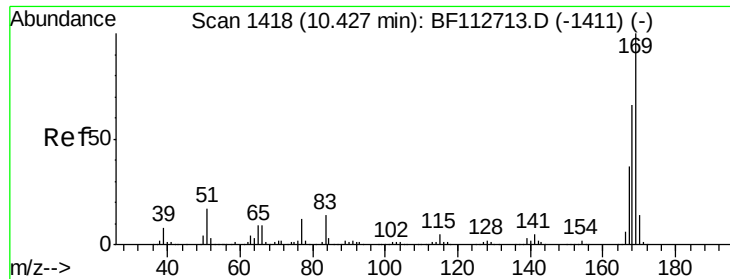


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

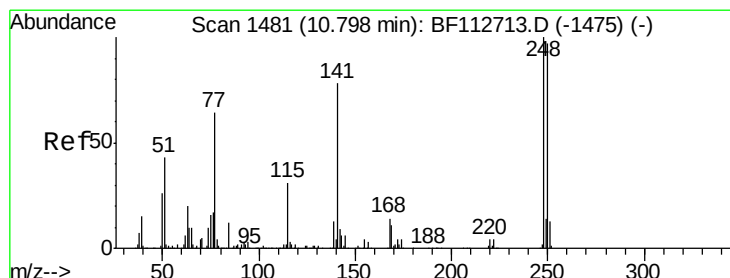
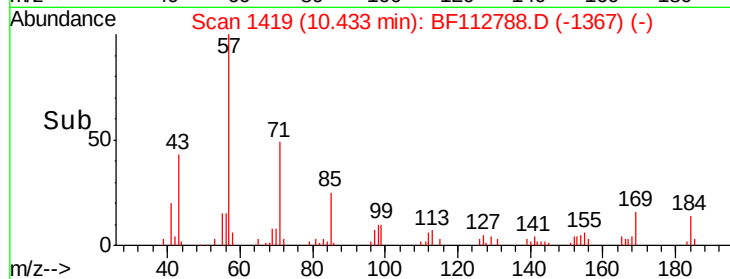
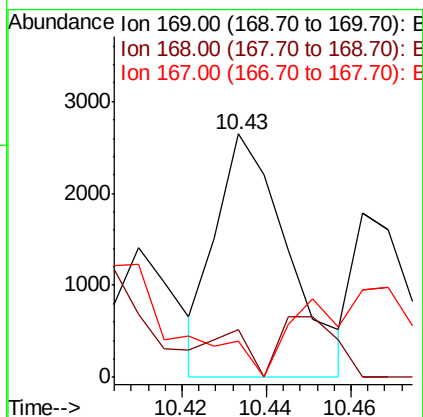
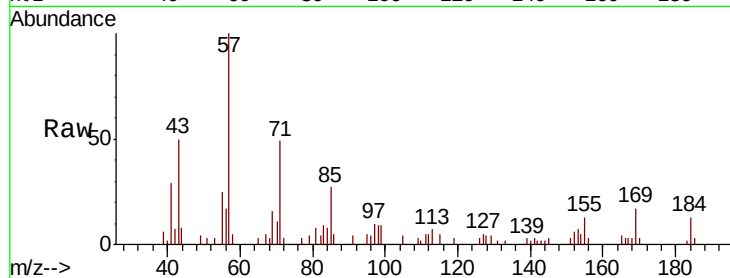




#66
 n-Nitrosodiphenylamine
 Concen: 0.193 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: BF112788.D
 Acq: 1 Mar 2019 3:38

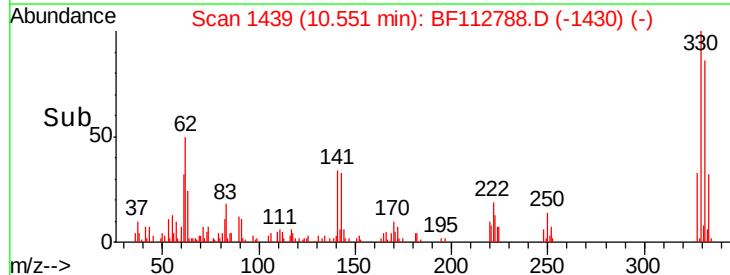
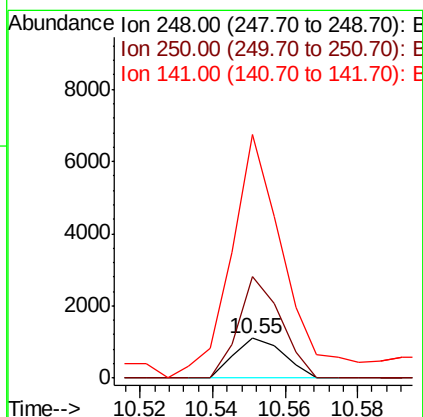
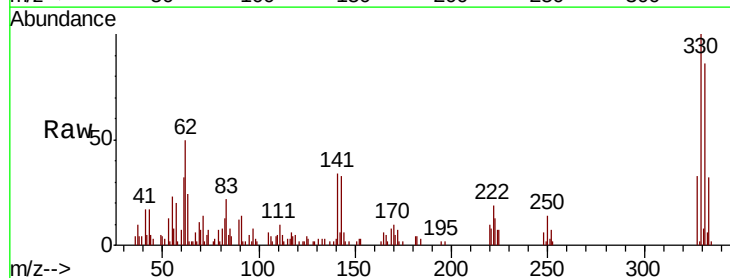
Instrument :
 BNA_F
 ClientSampleId :
 B-1(1.5-2.5)

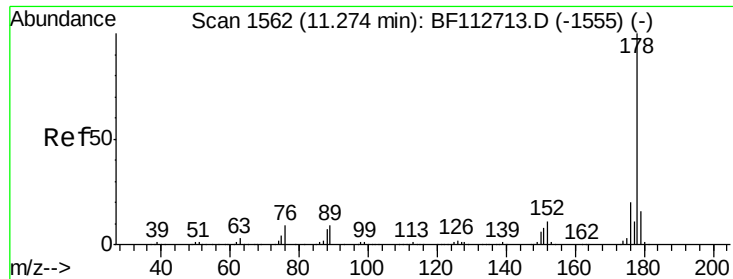
Tgt Ion:169 Resp: 3135
 Ion Ratio Lower Upper
 169 100
 168 19.7 53.0 79.6#
 167 15.0 29.3 43.9#



#67
 4-Bromophenyl-phenylether
 Concen: 0.196 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.25 min
 Lab File: BF112788.D
 Acq: 1 Mar 2019 3:38

Tgt Ion:248 Resp: 1047
 Ion Ratio Lower Upper
 248 100
 250 253.3 77.5 116.3#
 141 609.8 62.4 93.6#





#71

Phenanthrene

Concen: 0.610 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

Instrument :

BNA_F

ClientSampled :

B-1(1.5-2.5)

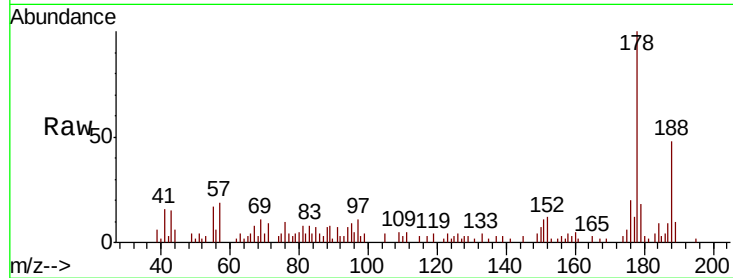
Tgt Ion:178 Resp: 15367

Ion Ratio Lower Upper

178 100

176 20.3 16.3 24.5

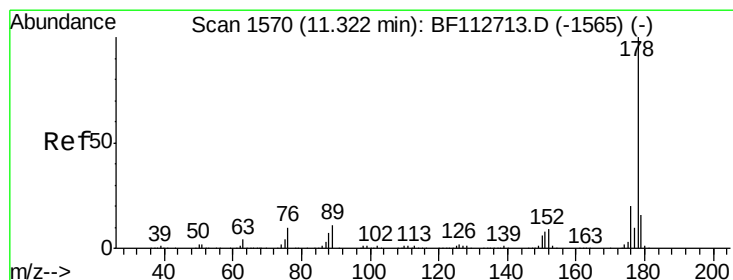
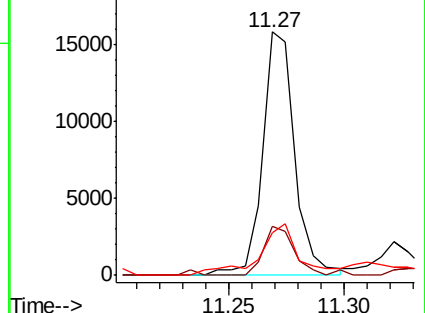
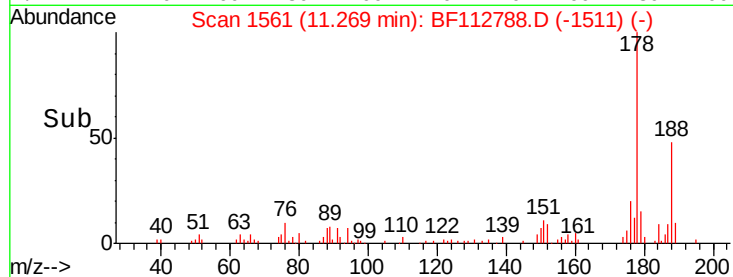
179 17.7 12.7 19.1



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: 0.582 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.05 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

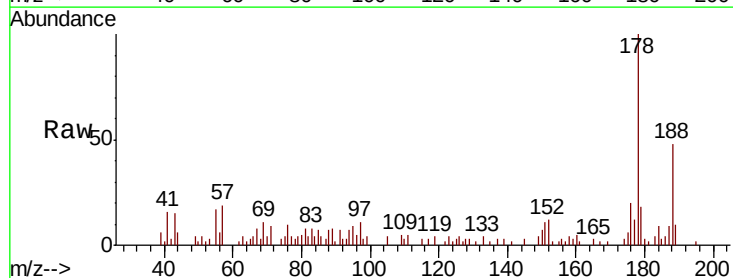
Tgt Ion:178 Resp: 15367

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.6

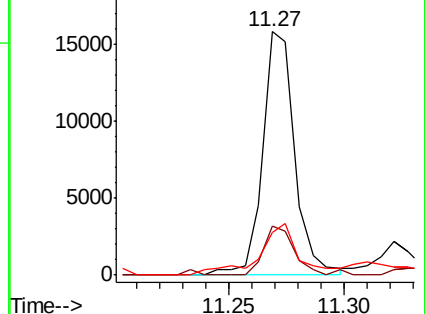
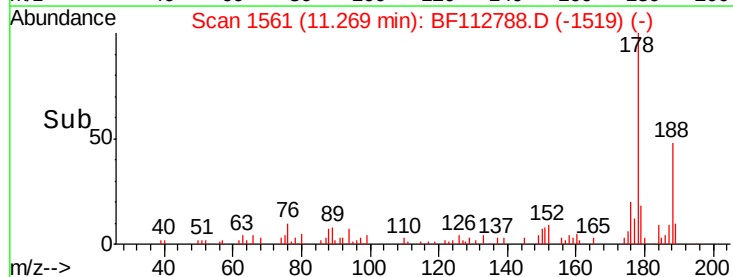
179 17.7 13.0 19.6

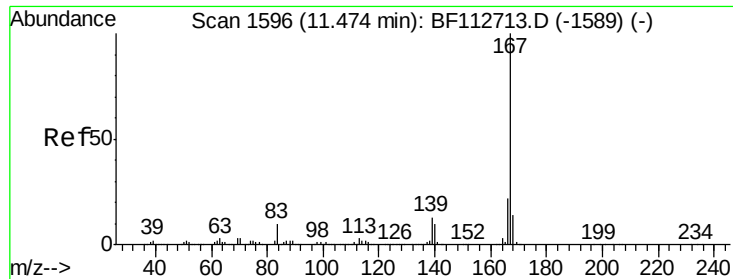


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

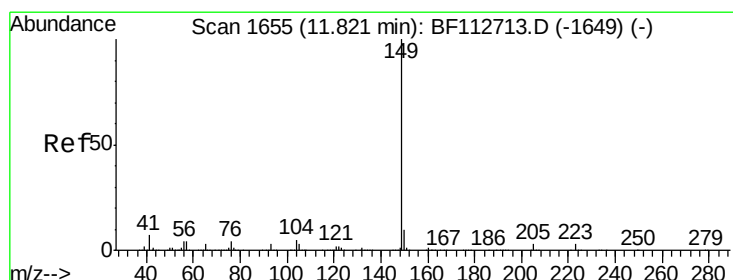
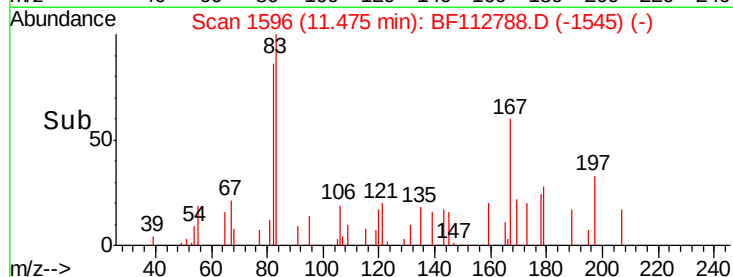
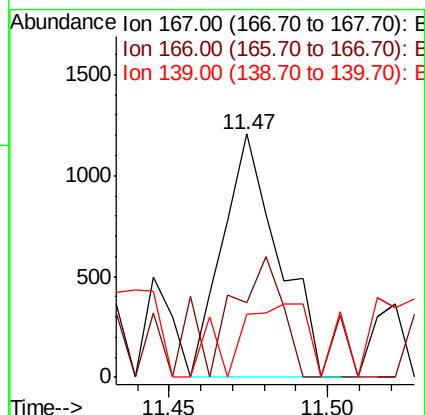
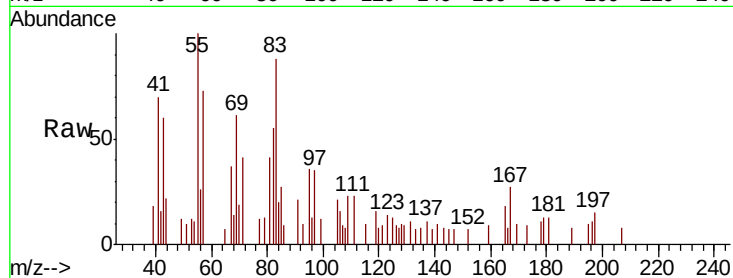




#73
 Carbazole
 Concen: 0.057 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: BF112788.D
 Acq: 1 Mar 2019 3:38

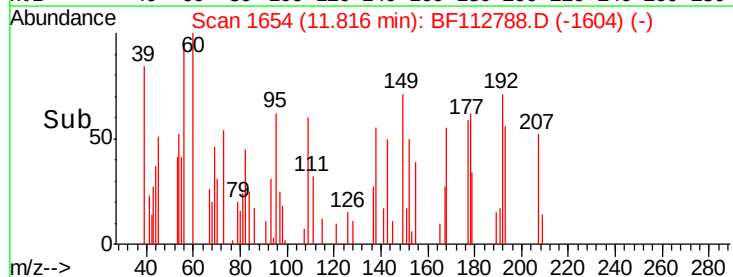
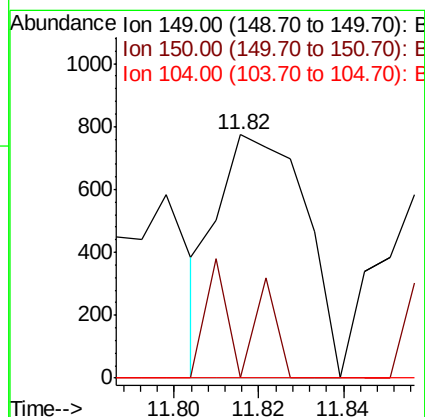
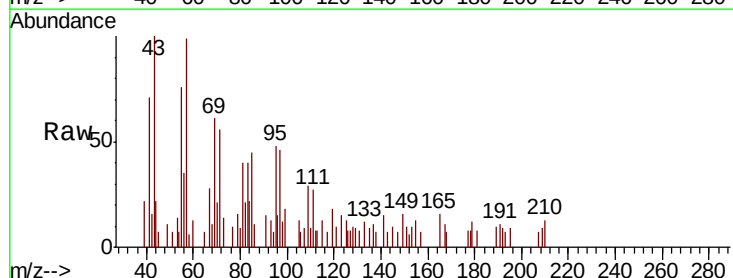
Instrument :
 BNA_F
 ClientSampleId :
 B-1(1.5-2.5)

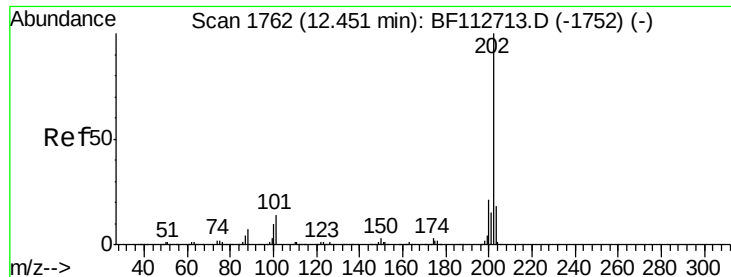
Tgt Ion:167 Resp: 1473
 Ion Ratio Lower Upper
 167 100
 166 30.7 17.5 26.3#
 139 26.0 10.8 16.2#



#74
 Di-n-butylphthalate
 Concen: 0.036 ng
 RT: 11.82 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BF112788.D
 Acq: 1 Mar 2019 3:38

Tgt Ion:149 Resp: 1122
 Ion Ratio Lower Upper
 149 100
 150 0.0 7.6 11.4#
 104 0.0 3.7 5.5#





#75

Fluoranthene

Concen: 0.493 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

Instrument :

BNA_F

ClientSampleId :

B-1(1.5-2.5)

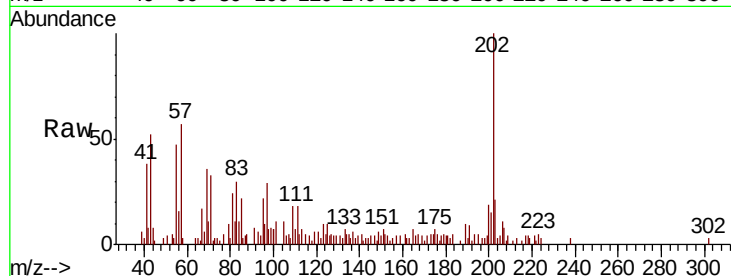
Tgt Ion:202 Resp: 13307

Ion Ratio Lower Upper

202 100

101 11.4 0.0 33.8

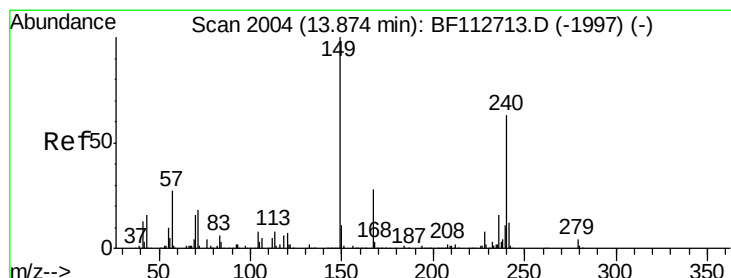
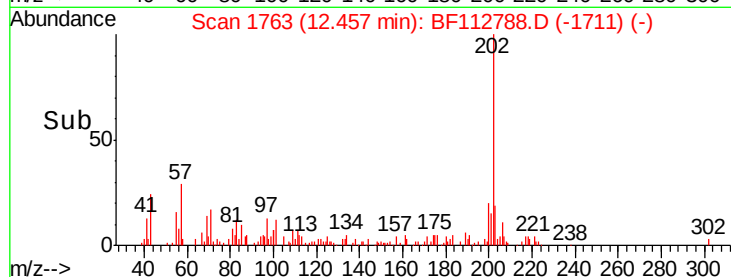
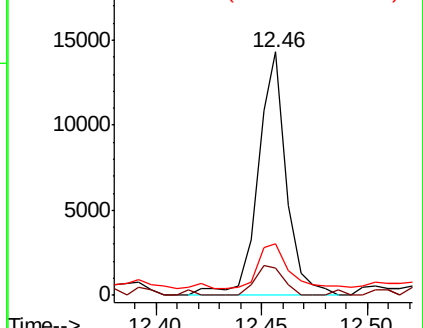
203 21.1 0.0 38.4



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: BF112788.D

Acq: 1 Mar 2019 3:38

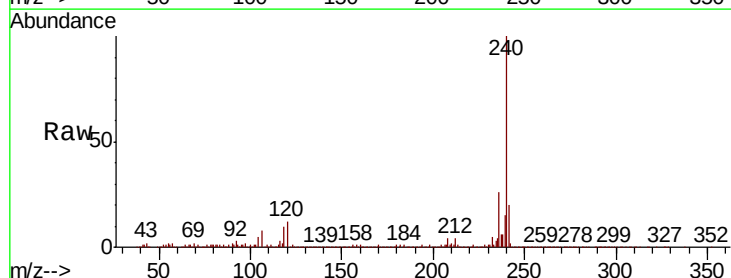
Tgt Ion:240 Resp: 481884

Ion Ratio Lower Upper

240 100

120 12.3 8.9 13.3

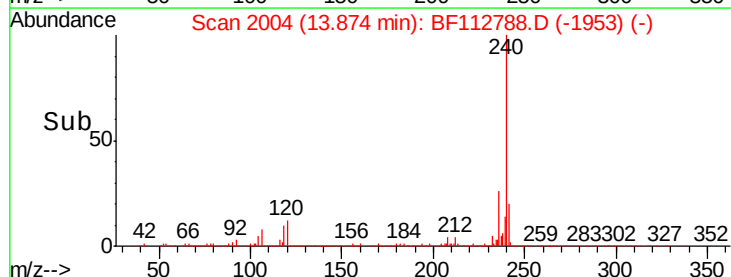
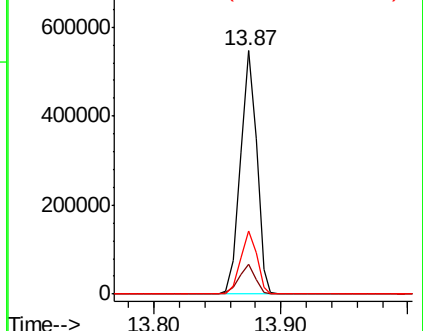
236 25.8 20.7 31.1

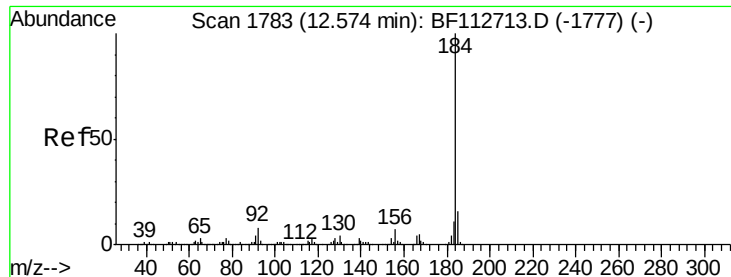


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.017 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

Instrument :

BNA_F

ClientSampled :

B-1(1.5-2.5)

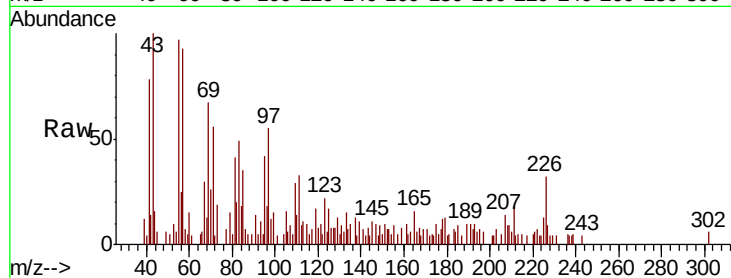
Tgt Ion:184 Resp: 421

Ion Ratio Lower Upper

184 100

185 153.4 12.6 18.8#

183 118.8 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

800

600

400

200

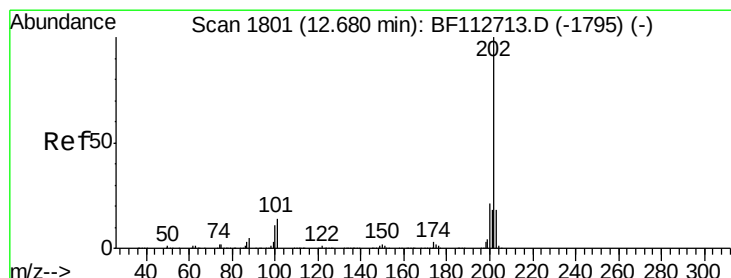
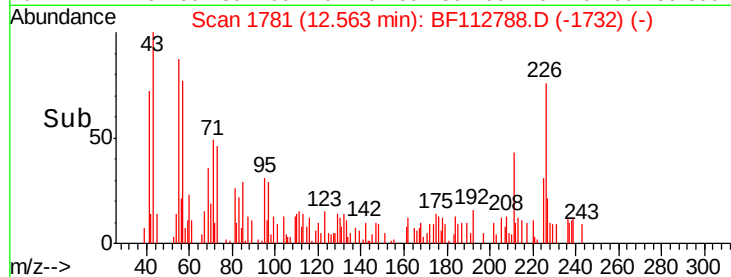
0

12.54

12.56

12.58

Time-->



#78

Pyrene

Concen: 0.328 ng

RT: 12.46 min Scan# 1763

Delta R.T. -0.22 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

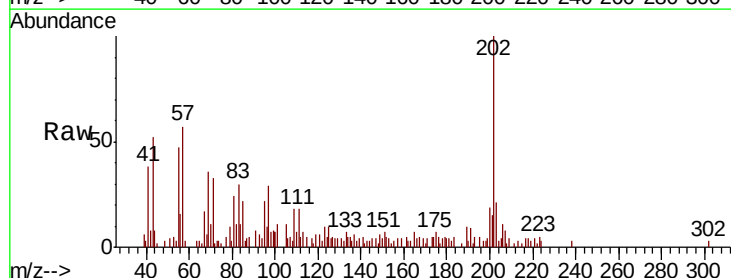
Tgt Ion:202 Resp: 13307

Ion Ratio Lower Upper

202 100

200 19.5 17.0 25.4

203 21.1 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

20000

15000

10000

5000

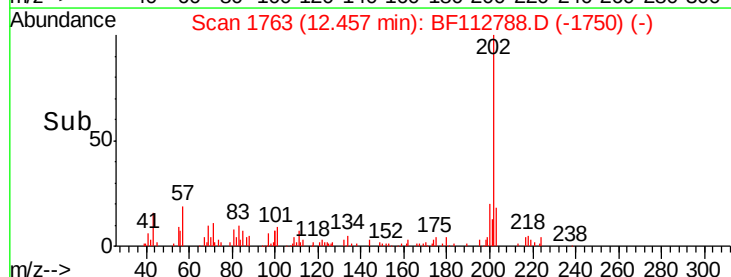
0

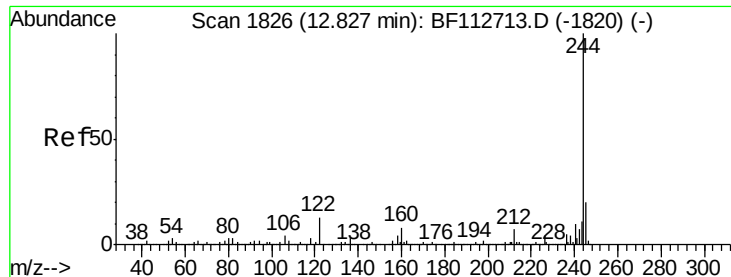
12.40

12.45

12.50

Time-->





#79

Terphenyl-d14

Concen: 4.263 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

Instrument :

BNA_F

ClientSampleId :

B-1(1.5-2.5)

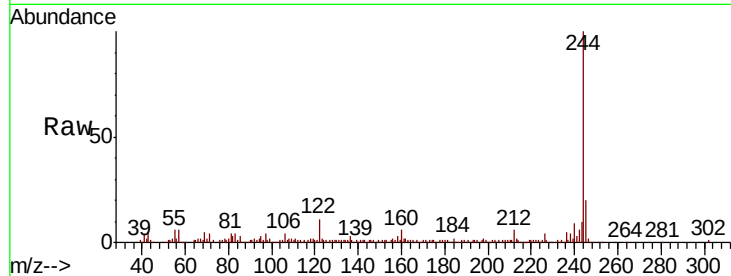
Tgt Ion:244 Resp: 105977

Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

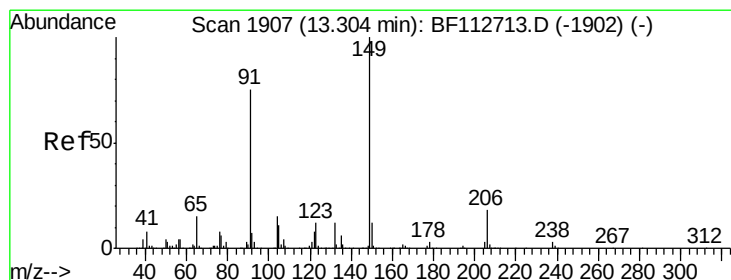
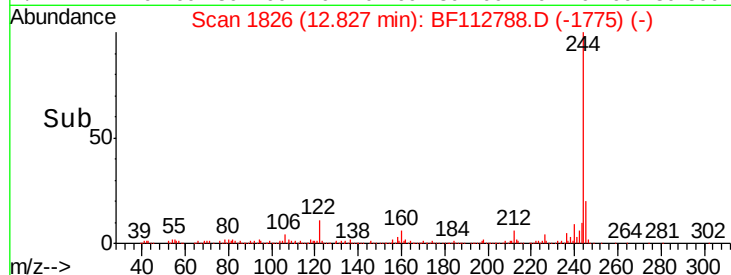
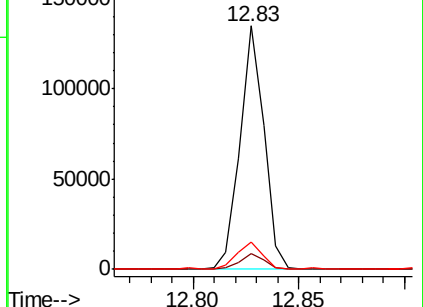
122 11.2 10.5 15.7



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: 0.009 ng

RT: 13.29 min Scan# 1905

Delta R.T. -0.01 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

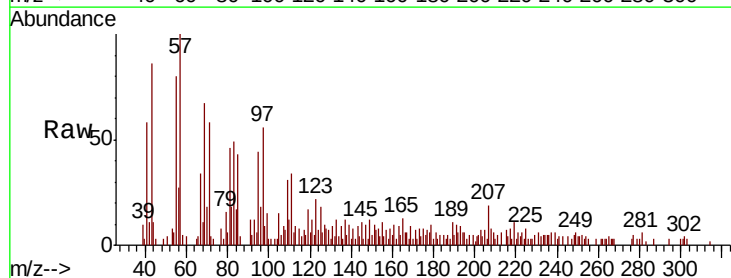
Tgt Ion:149 Resp: 169

Ion Ratio Lower Upper

149 100

91 102.3 59.9 89.9#

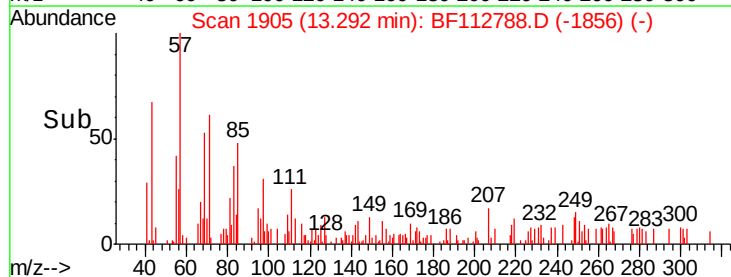
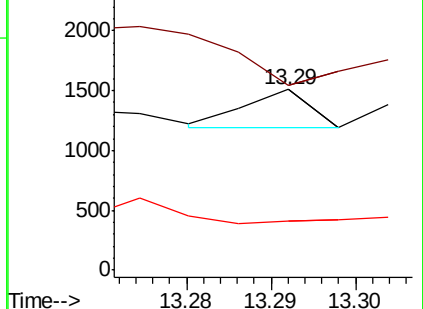
206 27.0 14.7 22.1#

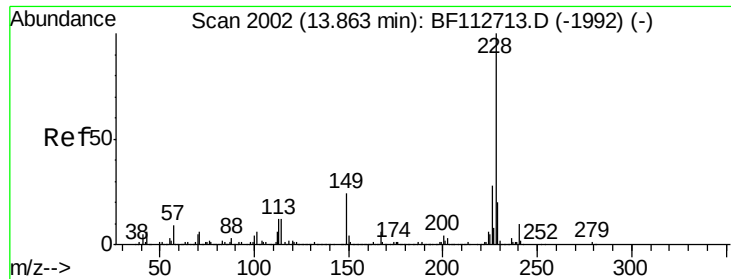


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

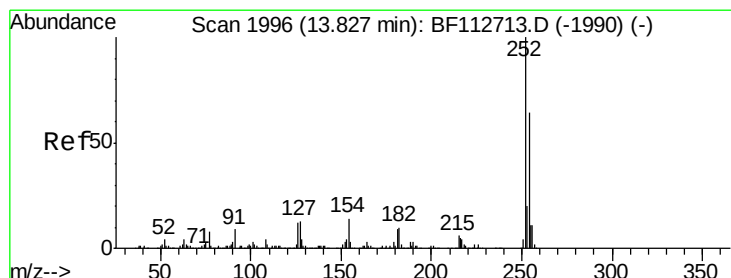
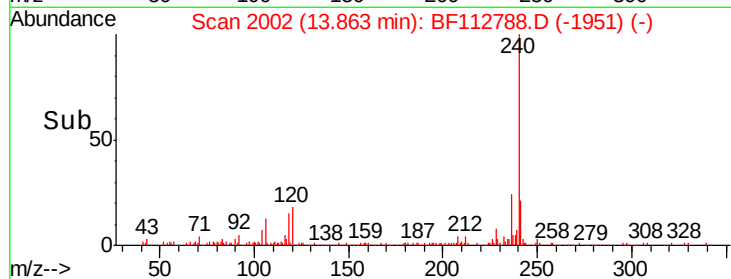
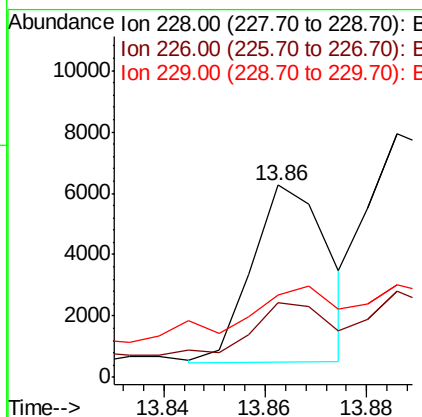
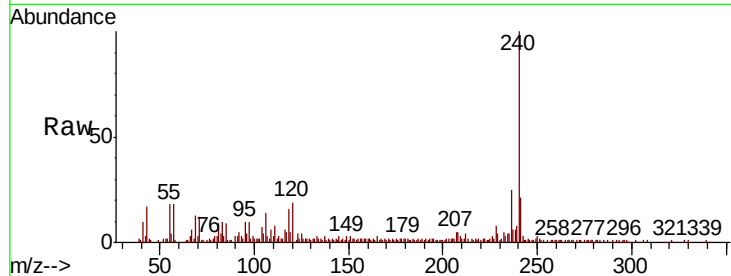




#81
Benzo(a)anthracene
Concen: 0.181 ng
RT: 13.86 min Scan# 2002
Delta R.T. 0.00 min
Lab File: BF112788.D
Acq: 1 Mar 2019 3:38

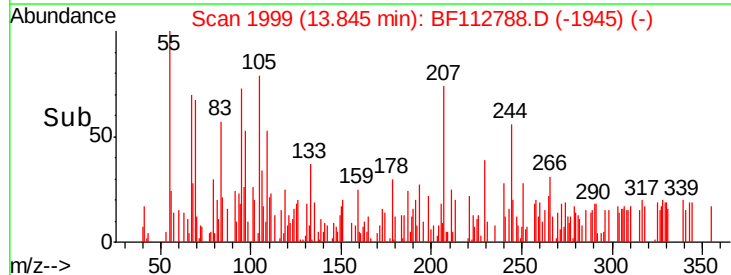
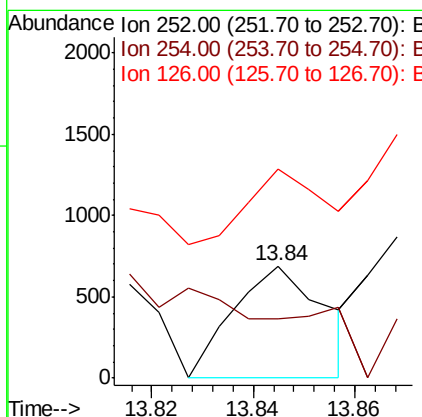
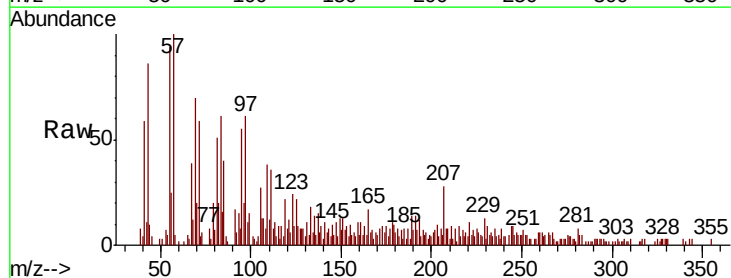
Instrument :
BNA_F
ClientSampleId :
B-1(1.5-2.5)

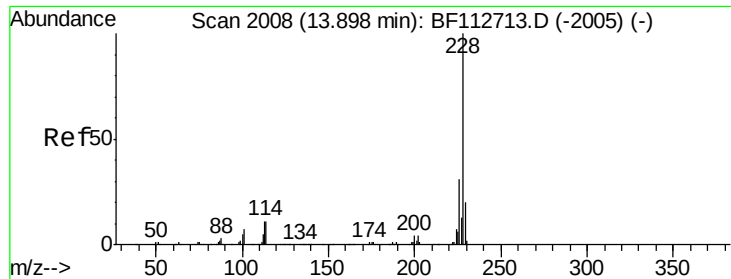
Tgt Ion:228 Resp: 6061
Ion Ratio Lower Upper
228 100
226 38.6 22.2 33.4#
229 43.0 16.0 24.0#



#82
3,3'-Dichlorobenzidine
Concen: 0.068 ng
RT: 13.84 min Scan# 1999
Delta R.T. 0.02 min
Lab File: BF112788.D
Acq: 1 Mar 2019 3:38

Tgt Ion:252 Resp: 857
Ion Ratio Lower Upper
252 100
254 53.5 51.1 76.7
126 186.8 9.9 14.9#

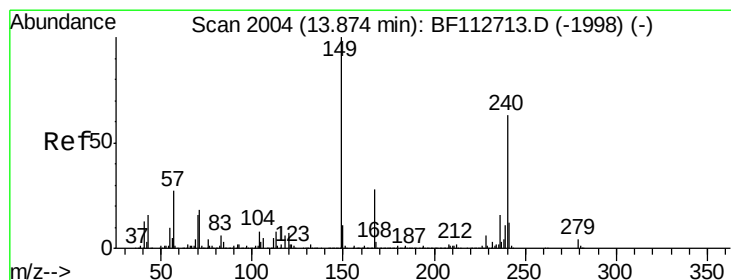
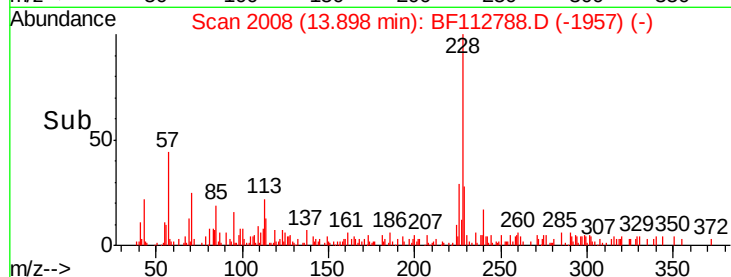
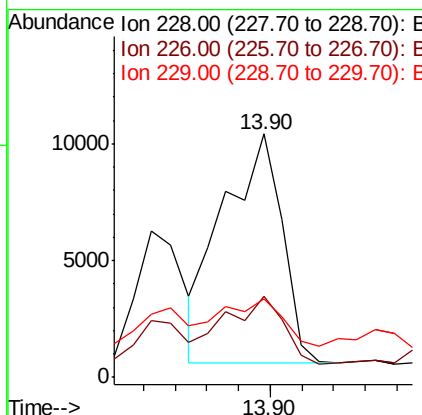
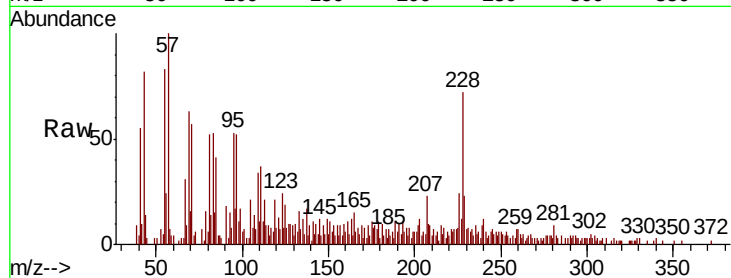




#83
Chrysene
Concen: 0.388 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF112788.D
Acq: 1 Mar 2019 3:38

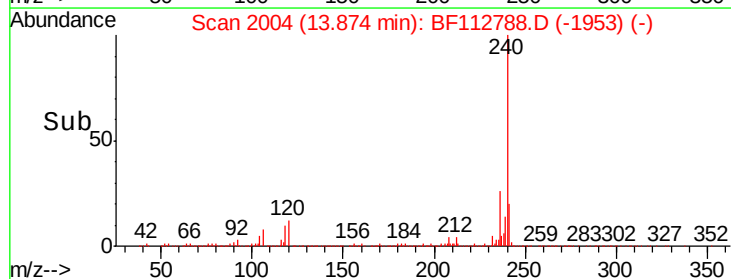
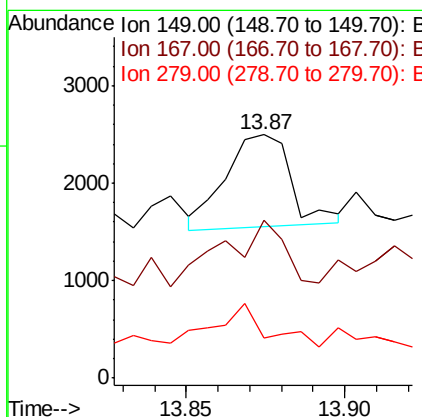
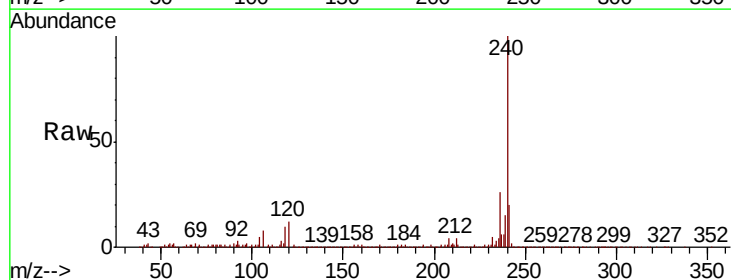
Instrument :
BNA_F
ClientSampleId :
B-1(1.5-2.5)

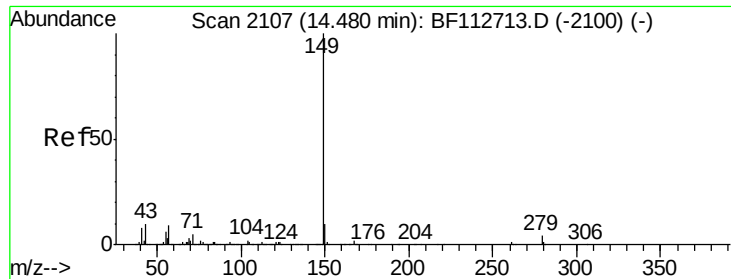
Tgt Ion:228 Resp: 12708
Ion Ratio Lower Upper
228 100
226 33.3 24.9 37.3
229 32.5 16.3 24.5#



#84
Bis(2-ethylhexyl)phthalate
Concen: 0.064 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF112788.D
Acq: 1 Mar 2019 3:38

Tgt Ion:149 Resp: 1354
Ion Ratio Lower Upper
149 100
167 65.0 22.4 33.6#
279 16.3 3.3 4.9#





#85

Di-n-octyl phthalate

Concen: 0.020 ng

RT: 14.46 min Scan# 2104

Delta R.T. -0.02 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

Instrument :

BNA_F

ClientSampleId :

B-1(1.5-2.5)

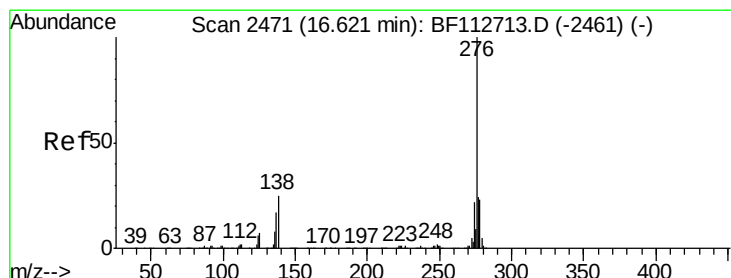
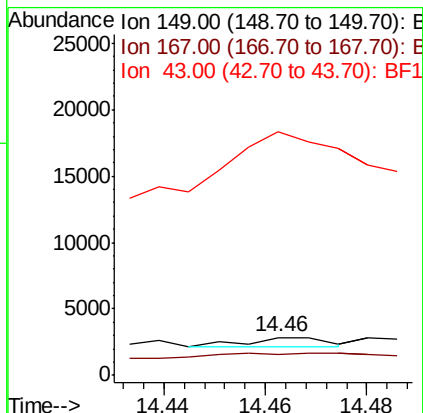
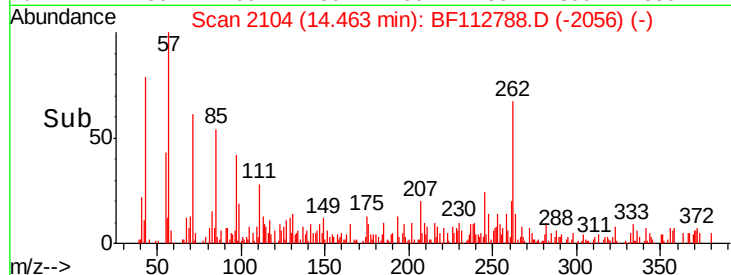
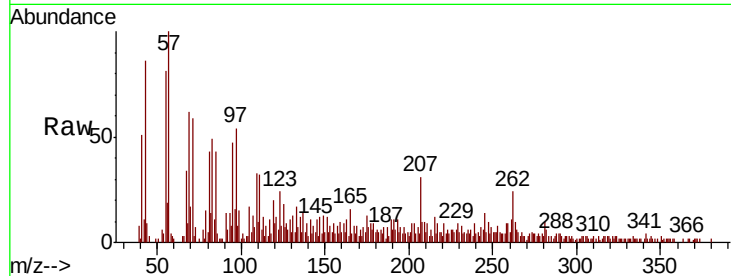
Tgt Ion:149 Resp: 729

Ion Ratio Lower Upper

149 100

167 151.3 1.2 1.8#

43 2187.1 9.0 13.4#



#86

Indeno(1,2,3-cd)pyrene

Concen: 0.156 ng

RT: 16.64 min Scan# 2475

Delta R.T. 0.02 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

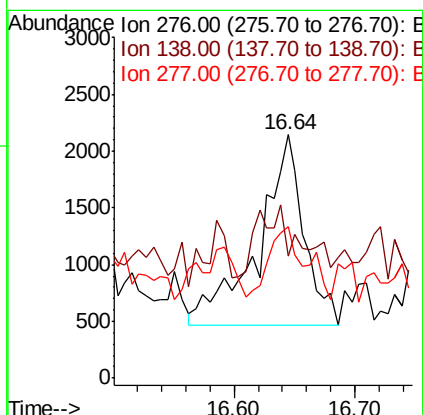
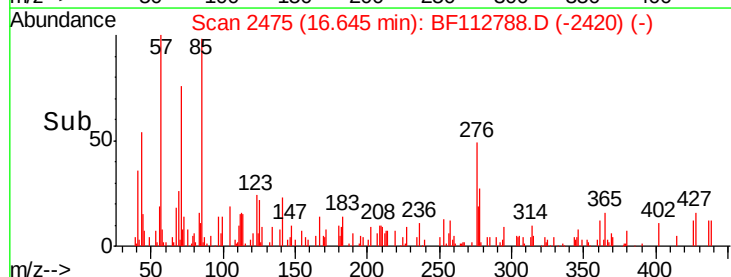
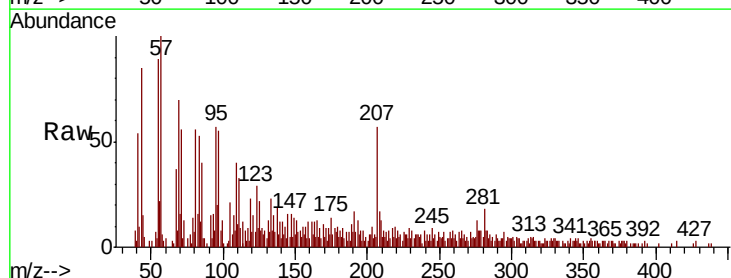
Tgt Ion:276 Resp: 4362

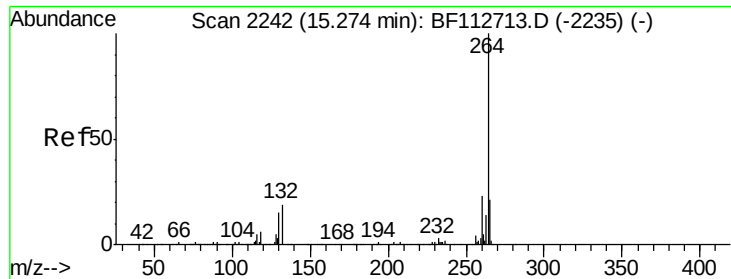
Ion Ratio Lower Upper

276 100

138 33.2 23.2 34.8

277 37.8 19.9 29.9#



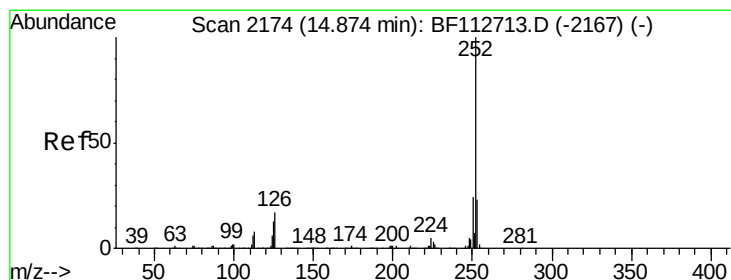
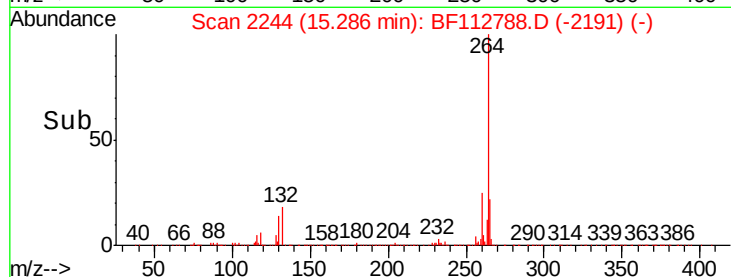
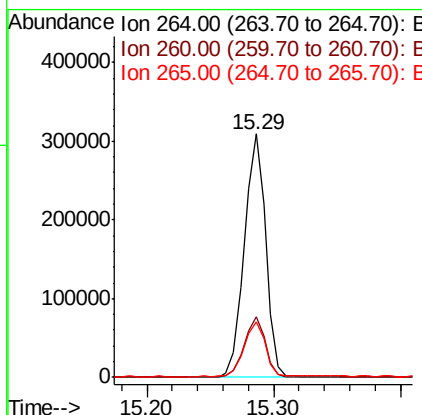
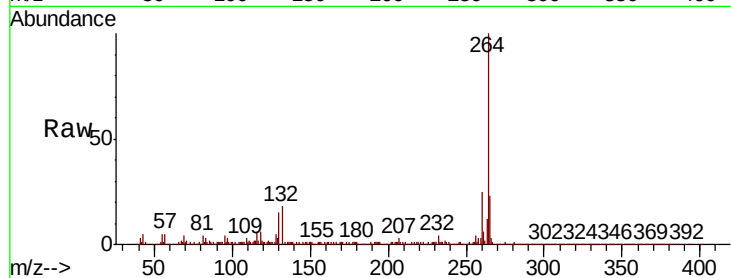


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF112788.D
Acq: 1 Mar 2019 3:38

Instrument :
BNA_F
ClientSampleId :
B-1(1.5-2.5)

Tgt Ion: 264 Resp: 357819

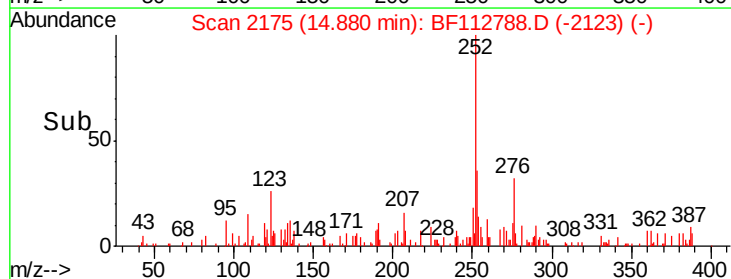
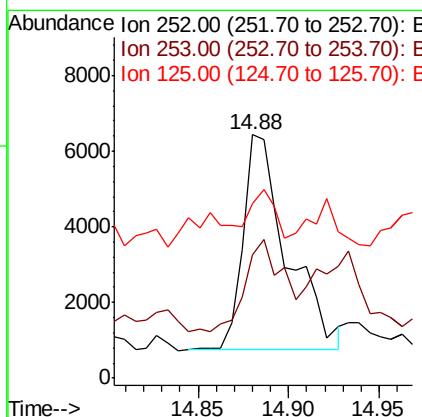
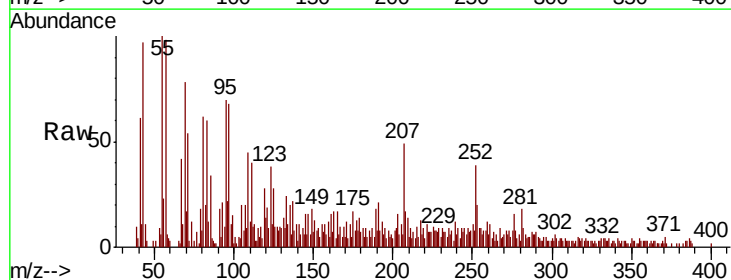
Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.7	28.1
265	22.7	17.2	25.8

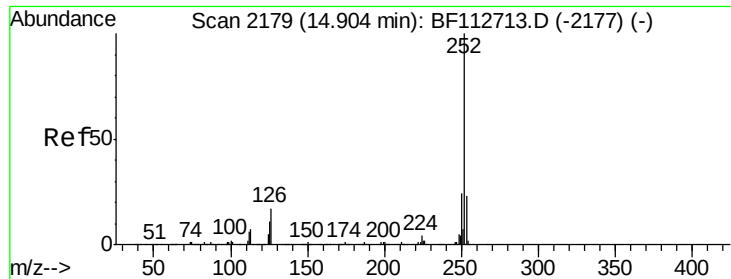


#88
Benzo(b)fluoranthene
Concen: 0.414 ng
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF112788.D
Acq: 1 Mar 2019 3:38

Tgt Ion: 252 Resp: 9573

Ion	Ratio	Lower	Upper
252	100		
253	50.8	18.0	27.0#
125	71.8	10.2	15.2#

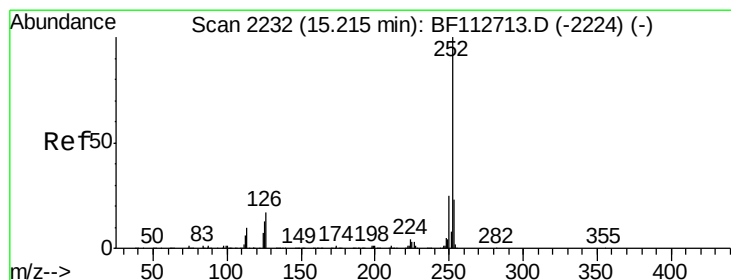
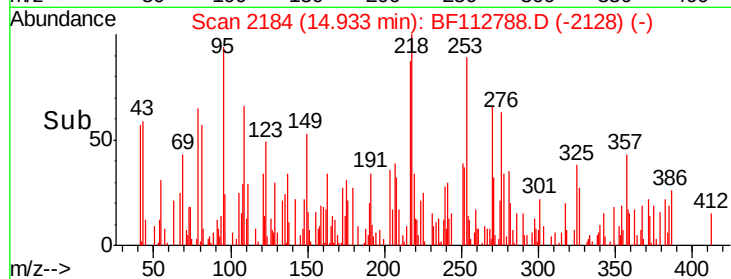
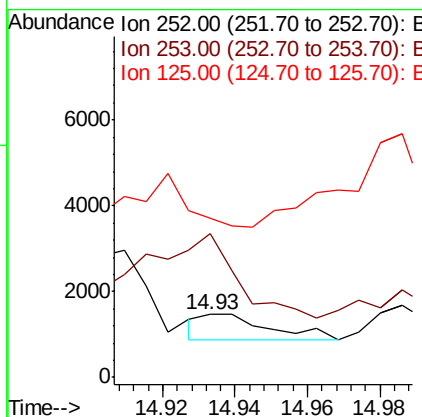
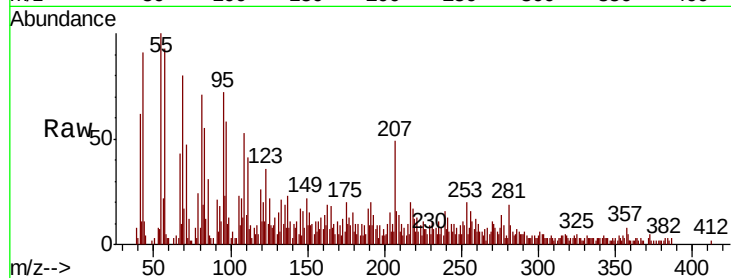




#89
Benzo(k)fluoranthene
Concen: 0.035 ng
RT: 14.93 min Scan# 2184
Delta R.T. 0.03 min
Lab File: BF112788.D
Acq: 1 Mar 2019 3:38

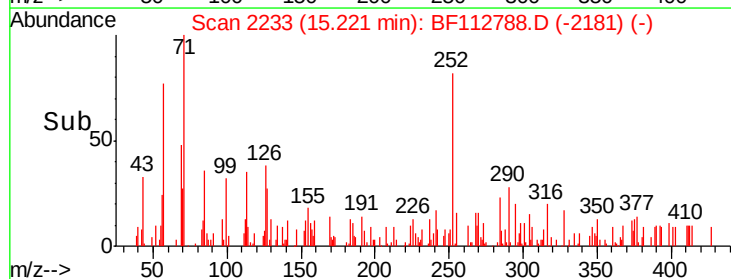
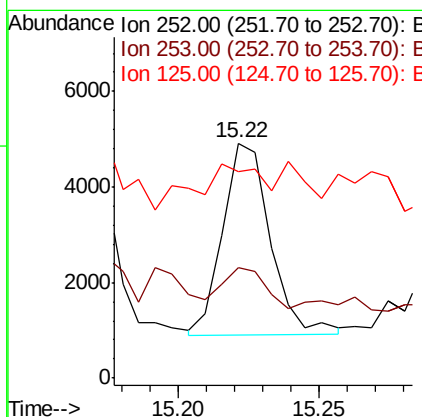
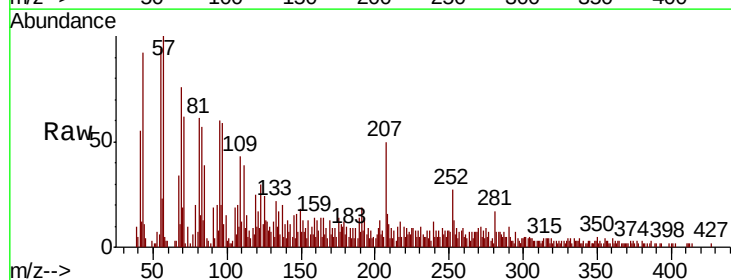
Instrument :
BNA_F
ClientSampleId :
B-1(1.5-2.5)

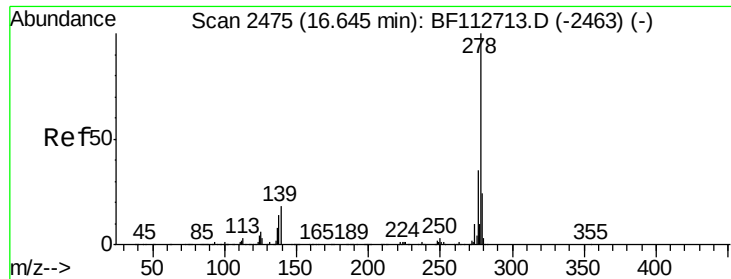
Tgt Ion:252 Resp: 732
Ion Ratio Lower Upper
252 100
253 227.8 18.2 27.2#
125 252.6 9.8 14.6#



#90
Benzo(a)pyrene
Concen: 0.231 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF112788.D
Acq: 1 Mar 2019 3:38

Tgt Ion:252 Resp: 4723
Ion Ratio Lower Upper
252 100
253 47.0 18.0 27.0#
125 87.8 10.7 16.1#





#91

Dibenzo(a,h)anthracene

Concen: 0.115 ng

RT: 16.64 min Scan# 2475

Delta R.T. 0.00 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

Instrument :

BNA_F

ClientSampleId :

B-1(1.5-2.5)

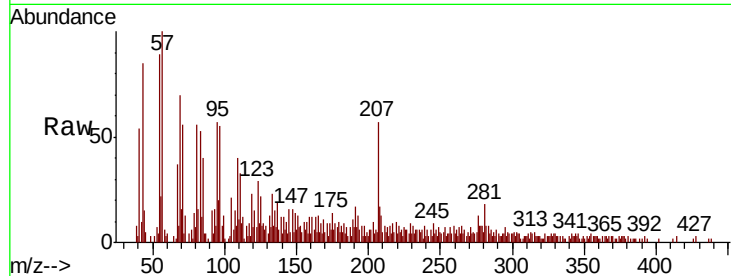
Tgt Ion:278 Resp: 2013

Ion Ratio Lower Upper

278 100

139 154.2 14.3 21.5#

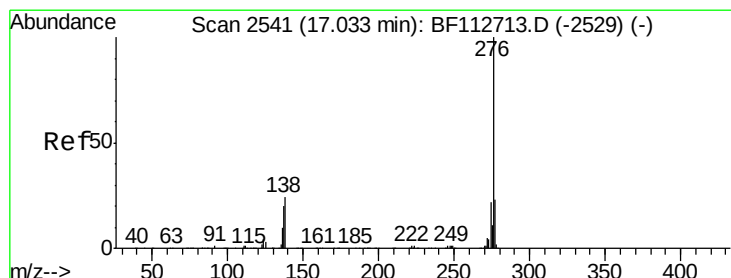
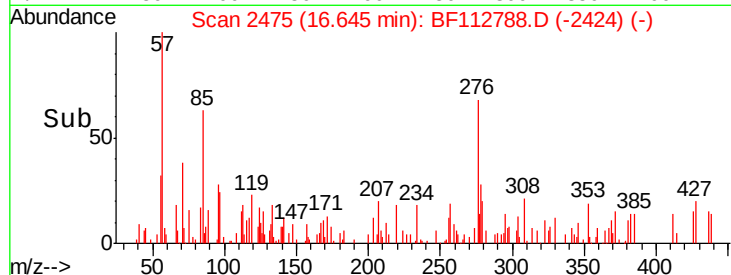
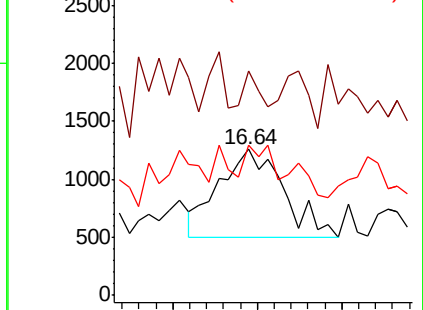
279 102.8 19.4 29.0#



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: 0.272 ng

RT: 17.05 min Scan# 2544

Delta R.T. 0.02 min

Lab File: BF112788.D

Acq: 1 Mar 2019 3:38

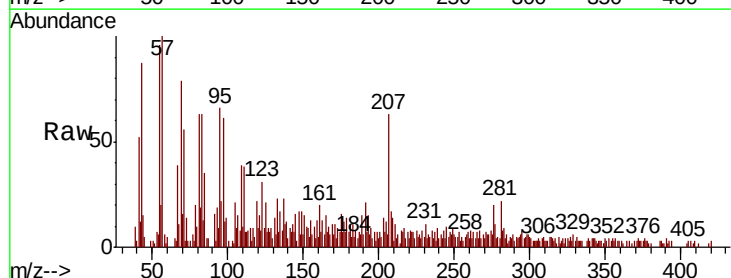
Tgt Ion:276 Resp: 4774

Ion Ratio Lower Upper

276 100

277 56.6 18.6 27.8#

138 54.2 19.4 29.0#



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

