

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020718\
 Data File : BF102809.D
 Acq On : 7 Feb 2018 12:25
 Operator : SJ/JU
 Sample : PB106326BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB106326BL

Quant Time: Feb 08 03:20:14 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	180250	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	745529	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	349172	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	625423	20.00	ng	0.00
75) Chrysene-d12	14.04	240	507500	20.00	ng	0.00
86) Perylene-d12	15.52	264	405813	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1390238	117.13	ng	0.01
7) Phenol-d6	6.51	99	1635607	114.45	ng	0.00
23) Nitrobenzene-d5	7.45	82	1047931	97.51	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	381501	135.74	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1789970	85.06	ng	0.00
78) Terphenyl-d14	12.99	244	1782156	83.15	ng	0.00

Target Compounds

						Qvalue
4) n-Nitrosodimethylamine	3.37	42	282	0.041	ng	# 1
6) Aniline	6.65	93	1811	0.086	ng	# 1
8) 2-Chlorophenol	6.66	128	420	0.034	ng	# 1
9) Benzaldehyde	6.50	77	2234	0.210	ng	# 1
10) Phenol	6.52	94	403	0.026	ng	# 1
11) bis(2-Chloroethyl)ether	6.65	93	1811	0.142	ng	# 1
12) 1,3-Dichlorobenzene	7.04	146	181	0.013	ng	# 1
13) 1,4-Dichlorobenzene	7.04	146	181	0.013	ng	# 1
14) 1,2-Dichlorobenzene	7.04	146	181	0.014	ng	# 1
15) Benzyl Alcohol	7.04	79	16977	1.545	ng	# 34
16) 2,2'-oxybis(1-Chloropropan	7.14	45	236	0.010	ng	# 70
22) Acetophenone	7.51	105	115	0.006	ng	# 54
24) Nitrobenzene	7.45	77	3344	0.192	ng	# 31
27) 2,4-Dimethylphenol	7.83	122	3679	0.352	ng	# 4
31) Naphthalene	8.18	128	112	0.003	ng	# 68
45) 1,1'-Biphenyl	9.33	154	6193	0.211	ng	# 91
51) Acenaphthene	9.92	154	1294	0.060	ng	# 4
57) Fluorene	10.71	166	20066	0.910	ng	# 89
59) Diethylphthalate	10.33	149	14339	0.533	ng	# 99
62) Azobenzene	10.70	77	2260	0.084	ng	# 1
65) n-Nitrosodiphenylamine	10.71	169	12515	0.567	ng	# 39
70) Phenanthrene	11.41	178	120	0.003	ng	# 1
71) Anthracene	11.41	178	120	0.003	ng	# 1
73) Di-n-butylphthalate	11.96	149	3176	0.075	ng	# 78
76) Benzidine	12.99	184	23604	1.012	ng	# 93
77) Pyrene	13.00	202	5951	0.150	ng	# 79
79) Butylbenzylphthalate	13.46	149	226	1.036	ng	# 37
80) Benzo(a)anthracene	14.04	228	1227	0.038	ng	# 48
82) Chrysene	14.07	228	516	0.016	ng	# 48
83) Bis(2-ethylhexyl)phthalate	14.02	149	3137	0.129	ng	# 98
84) Di-n-octyl phthalate	14.63	149	1045	0.029	ng	# 75
85) Indeno(1,2,3-cd)pyrene	17.02	276	112	0.004	ng	# 46
87) Benzo(b)fluoranthene	15.08	252	1130	0.043	ng	# 78
88) Benzo(k)fluoranthene	15.11	252	795	0.032	ng	# 24

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QLast Update : Mon Feb 05 12:44:16 2018
Response via : Initial Calibration

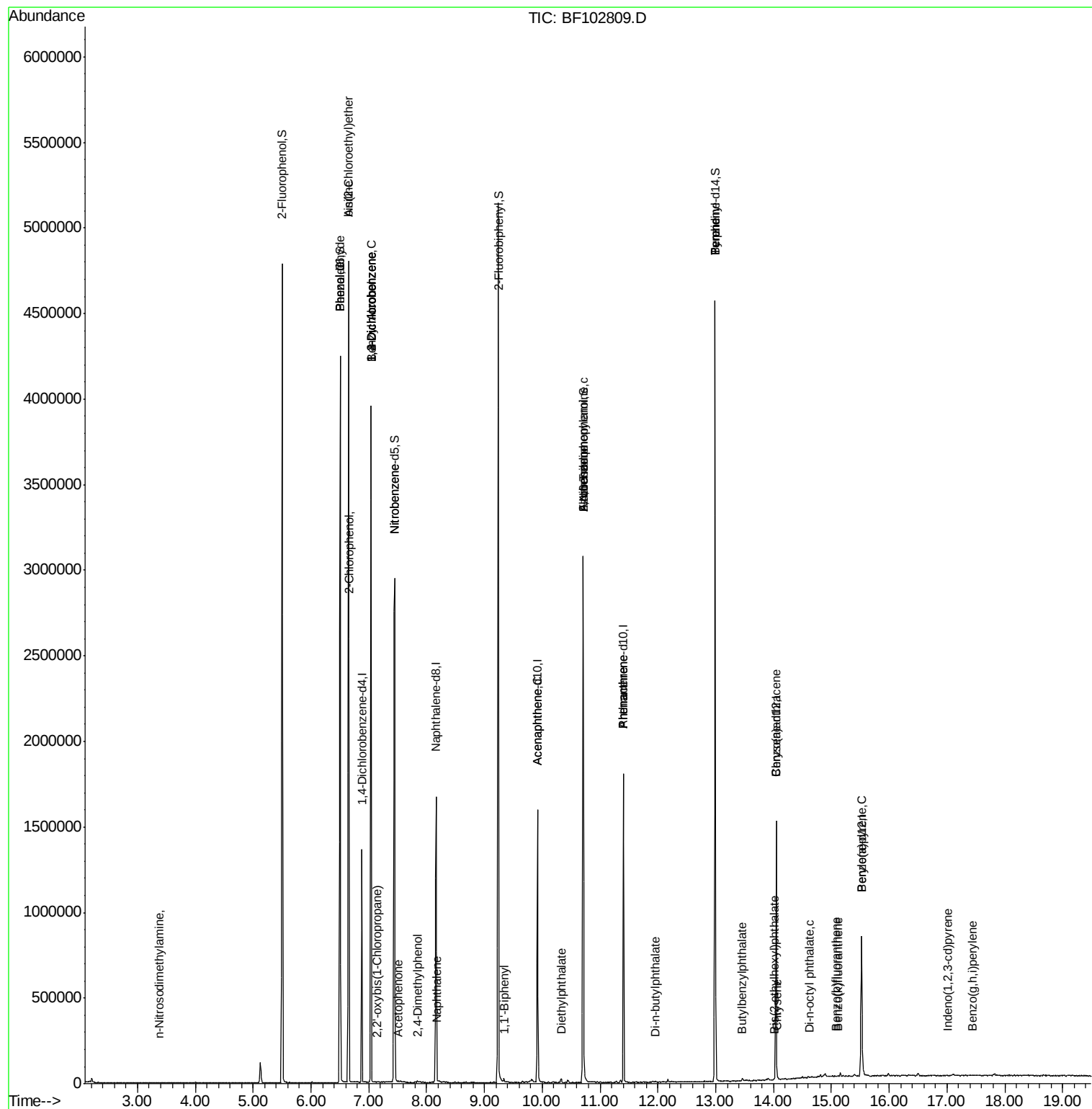
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(a)pyrene	15.52	252	1287	0.054	ng	# 55
91) Benzo(g,h,i)perylene	17.45	276	116	0.006	ng	# 50

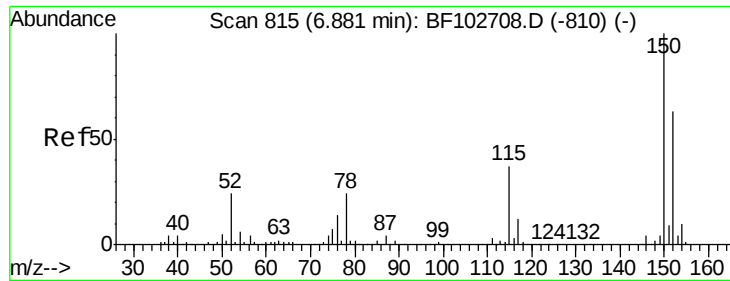
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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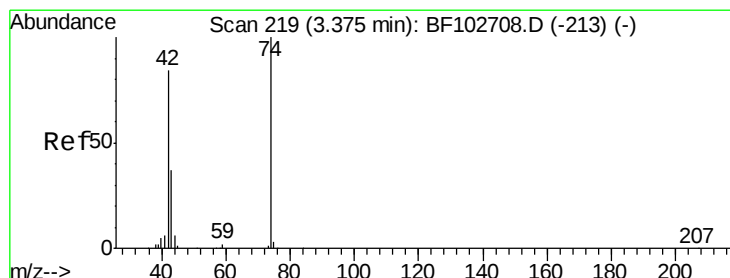
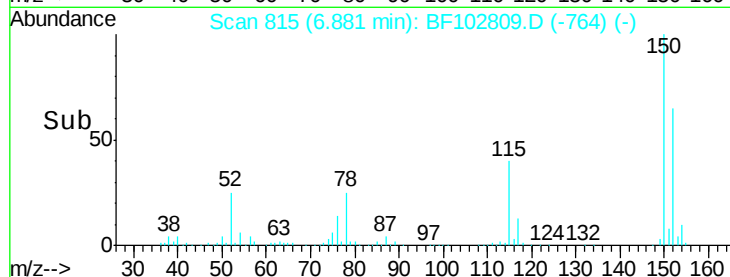
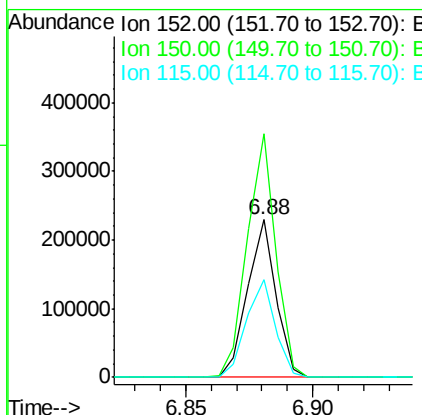
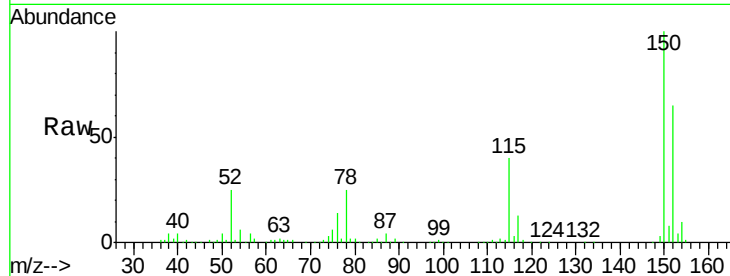


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

Instrument :
BNA_F
ClientSampleId :
PB106326BL

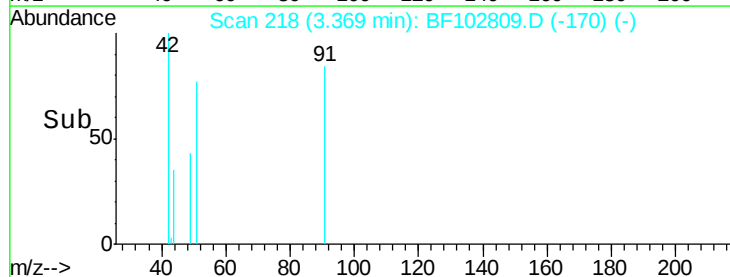
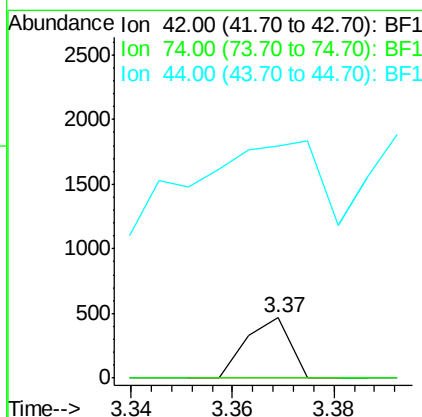
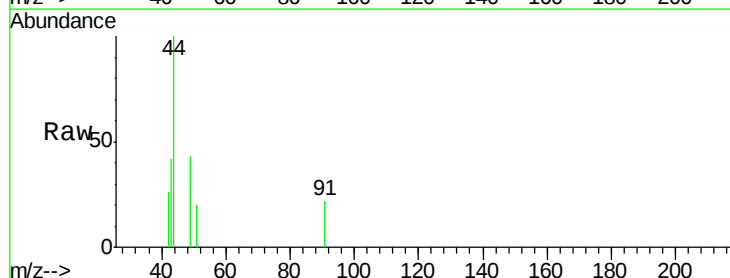
Tot Ion:152 Resp: 180250
Ion Ratio Lower Upper
152 100
150 154.4 124.6 186.8
115 61.7 50.1 75.1

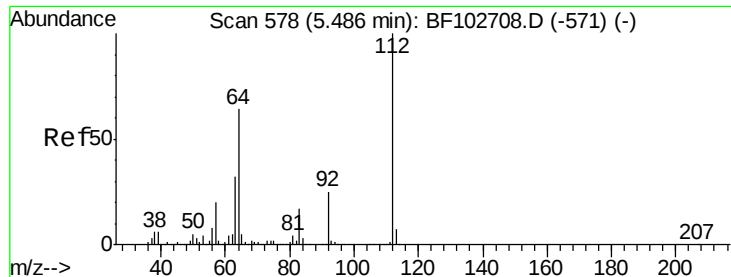


#4

n-Nitrosodimethylamine
Concen: 0.041 ng
RT: 3.37 min Scan# 218
Delta R.T. -0.02 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

Tgt Ion: 42 Resp: 282
Ion Ratio Lower Upper
42 100
74 0.0 104.9 157.3#
44 387.1 6.9 10.3#





#5

2-Fluorophenol

Concen: 117.132 ng

RT: 5.50 min Scan# 581

Delta R.T. 0.01 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

Instrument :

BNA_F

ClientSampleId :

PB106326BL

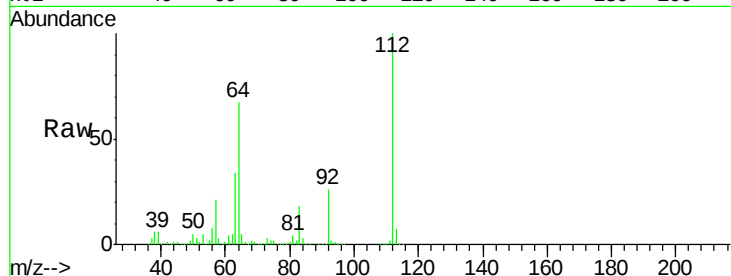
Tot Ion:112 Resp: 1390238

Ion Ratio Lower Upper

112 100

64 66.5 47.9 71.9

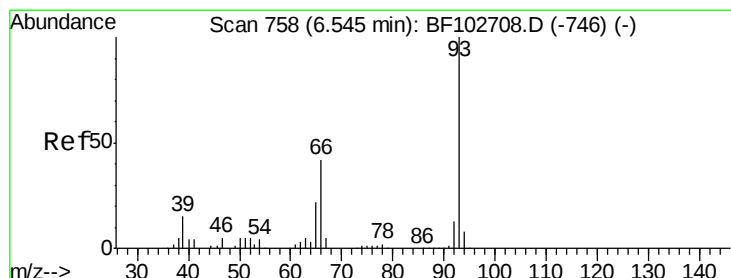
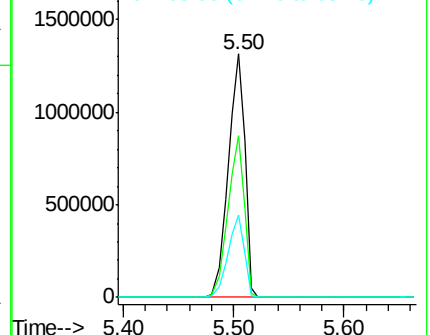
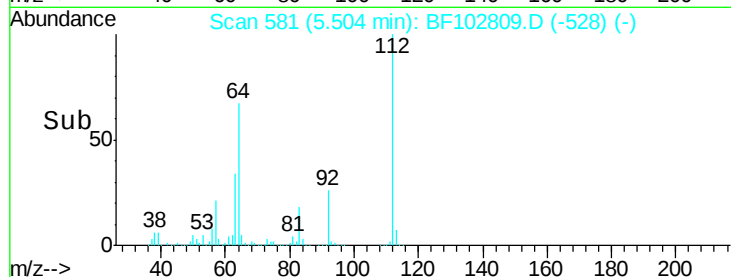
63 33.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 0.086 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.09 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

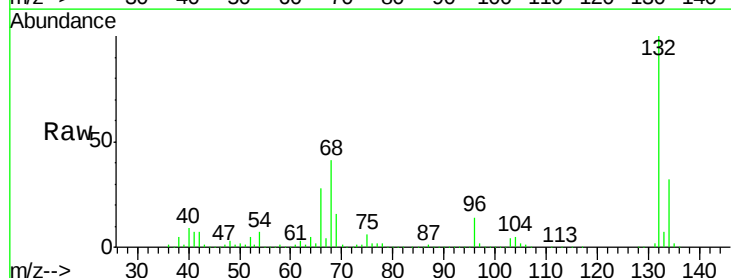
Tgt Ion: 93 Resp: 1811

Ion Ratio Lower Upper

93 100

66 17826.9 32.2 48.2#

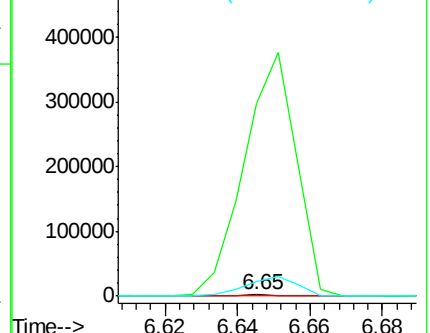
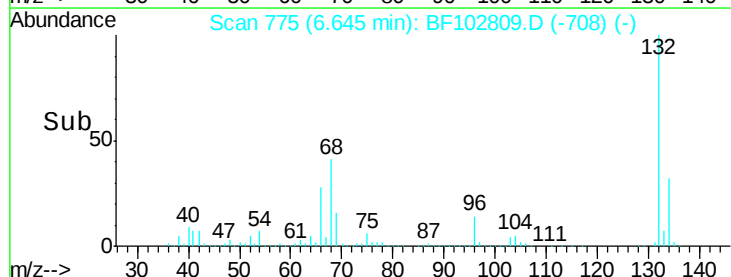
65 1362.0 16.4 24.6#

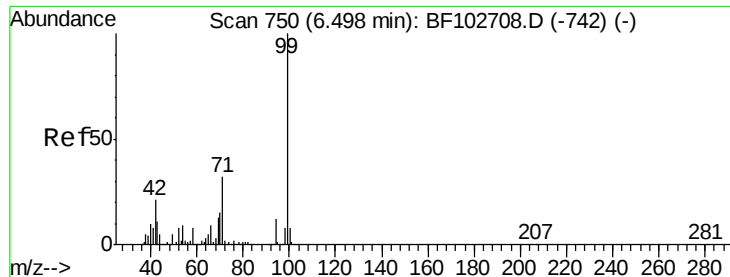


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 114.450 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

Instrument :

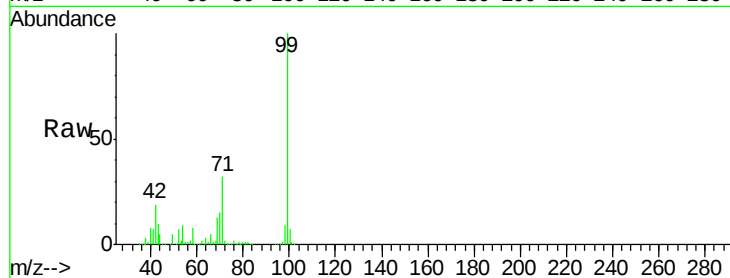
BNA_F

ClientSampleId :

PB106326BL

Tot Ion: 99 Resp: 1635607

Ion	Ratio	Lower	Upper
99	100		
42	19.2	14.5	21.7
71	31.9	25.4	38.0

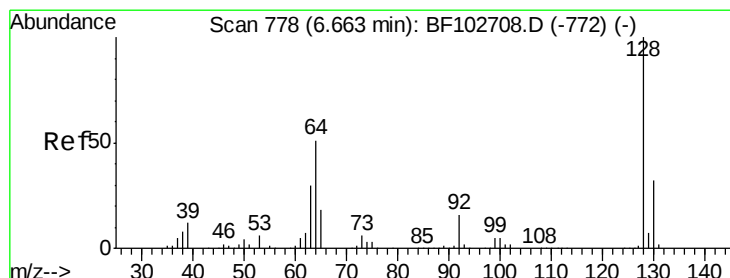
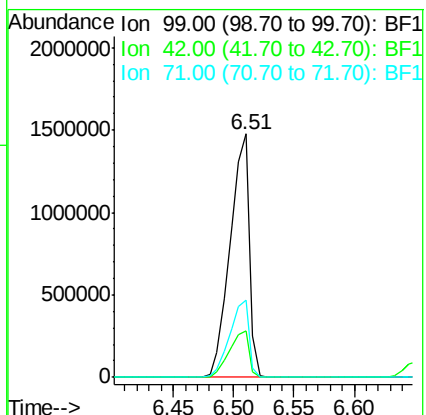
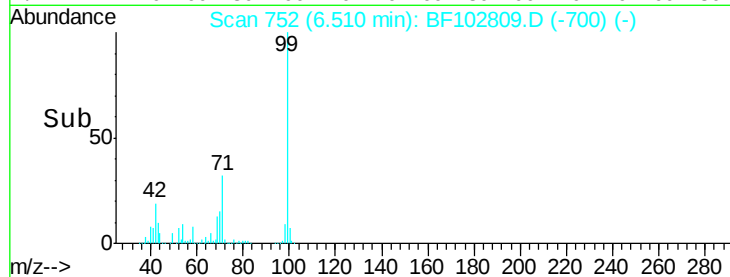


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 0.034 ng

RT: 6.66 min Scan# 778

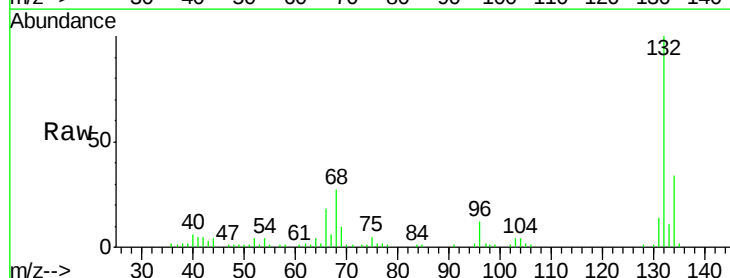
Delta R.T. -0.01 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

Tgt Ion: 128 Resp: 420

Ion	Ratio	Lower	Upper
128	100		
130	81.1	13.0	53.0#
64	361.0	29.4	69.4#

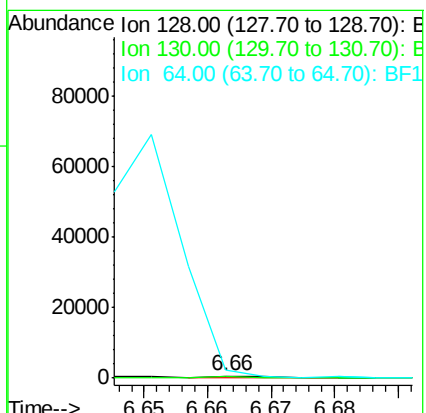
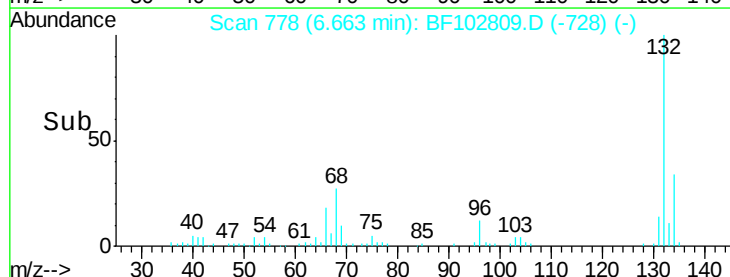


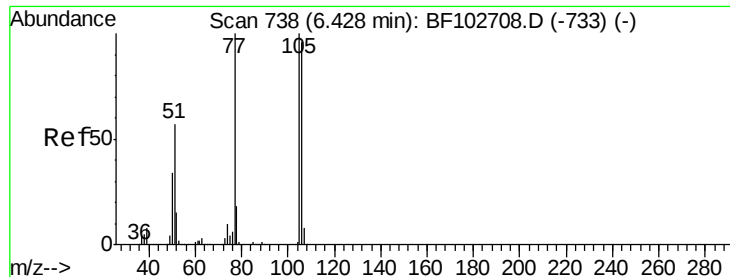
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 0.210 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.07 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

Instrument :

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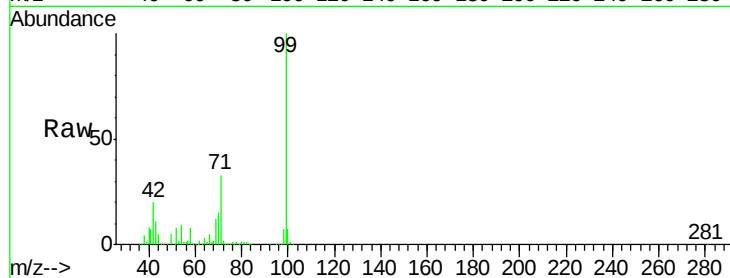
Tot Ion: 77 Resp: 2234

Ion Ratio Lower Upper

77 100

105 0.0 81.1 121.1#

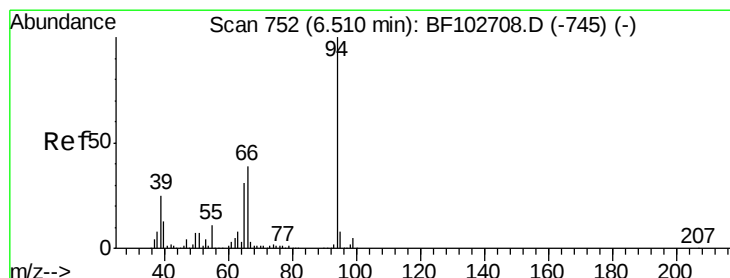
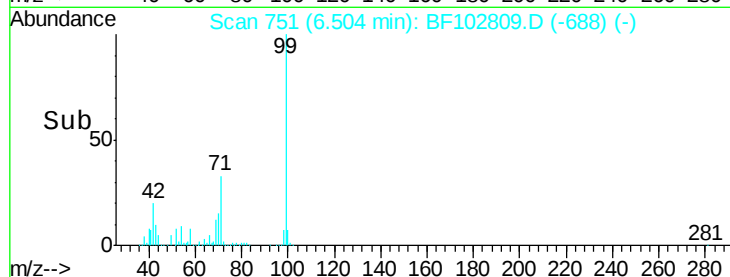
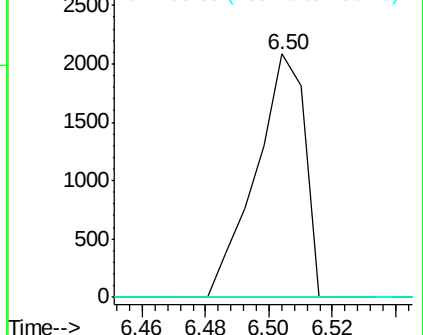
106 0.0 74.5 114.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 0.026 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

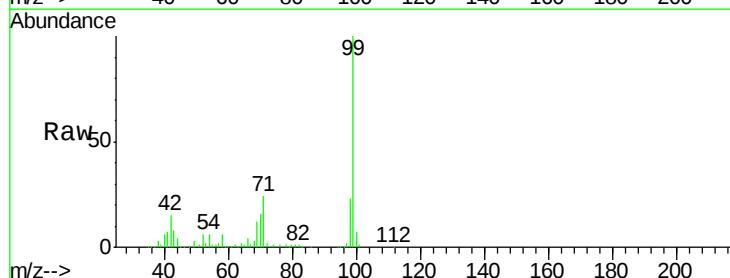
Tgt Ion: 94 Resp: 403

Ion Ratio Lower Upper

94 100

65 504.6 7.9 47.9#

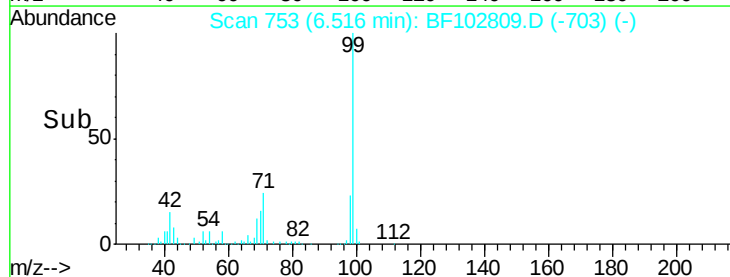
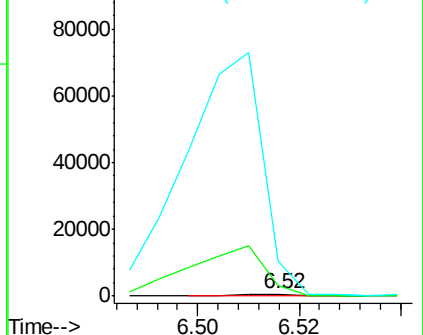
66 1594.6 16.2 56.2#

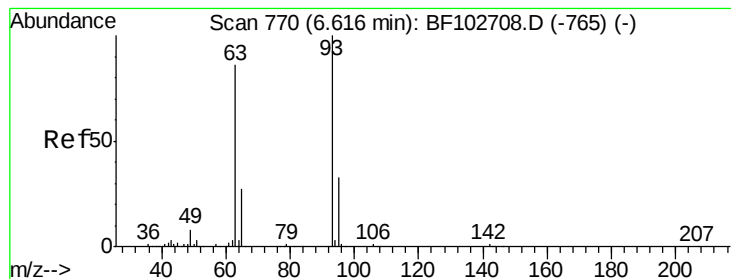


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

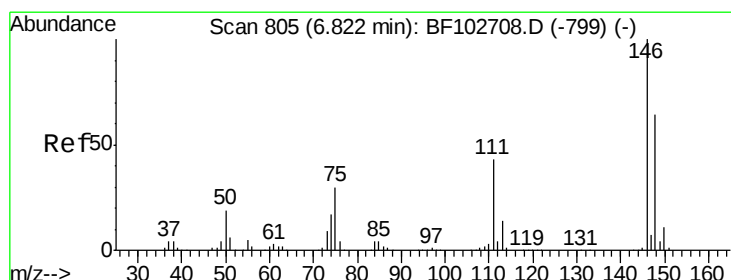
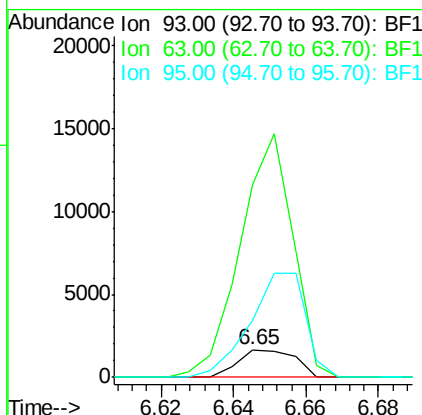
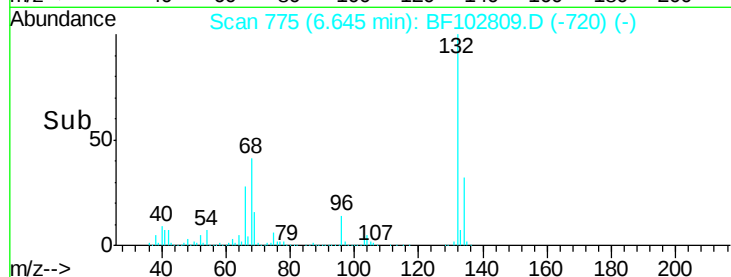
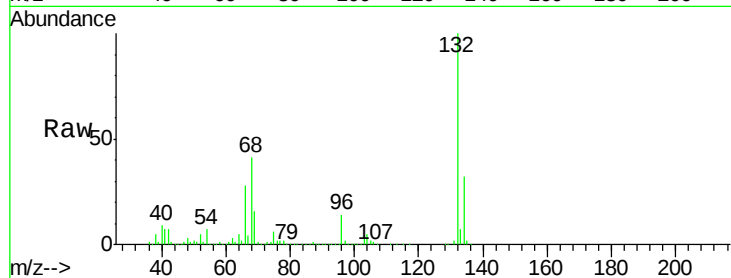




#11
bis(2-Chloroethyl)ether
Concen: 0.142 ng
RT: 6.65 min Scan# 775
Delta R.T. 0.02 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

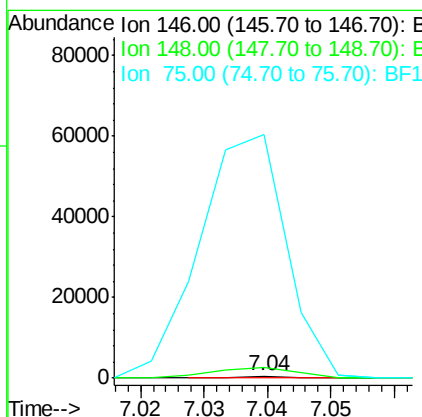
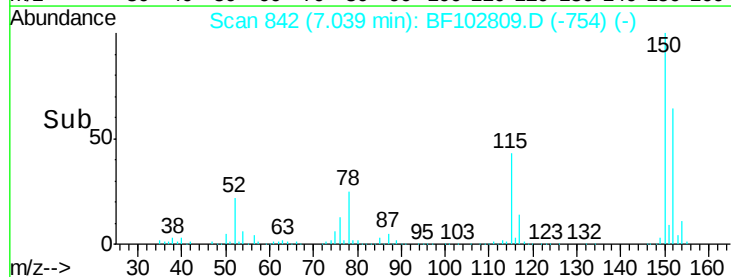
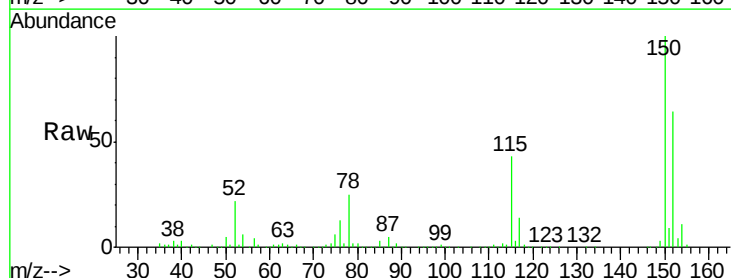
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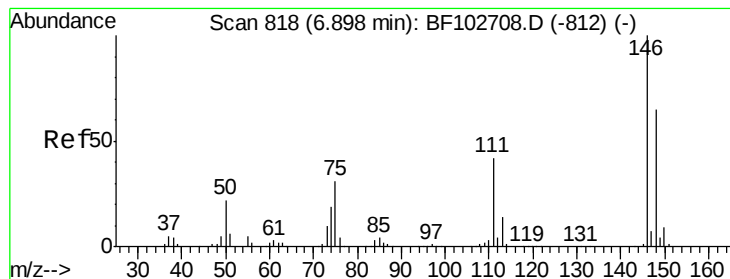
Tot Ion: 93 Resp: 1811
Ion Ratio Lower Upper
93 100
63 697.5 58.6 98.6#
95 206.9 11.8 51.8#



#12
1,3-Dichlorobenzene
Concen: 0.013 ng
RT: 7.04 min Scan# 842
Delta R.T. 0.22 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

Tgt Ion: 146 Resp: 181
Ion Ratio Lower Upper
146 100
148 313.6 51.8 77.8#
75 6889.9 24.2 36.4#





#13

1,4-Dichlorobenzene

Concen: 0.013 ng

RT: 7.04 min Scan# 842

Delta R.T. 0.14 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

Instrument :

BNA_F

ClientSampleId :

PB106326BL

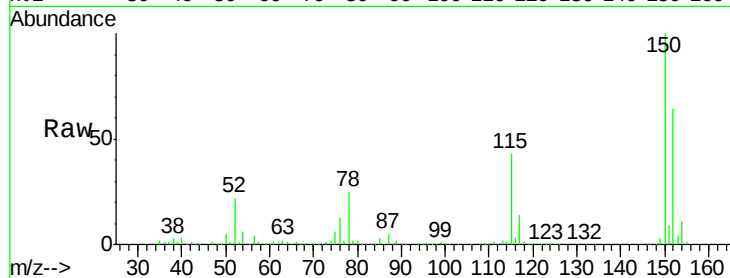
Tot Ion:146 Resp: 181

Ion Ratio Lower Upper

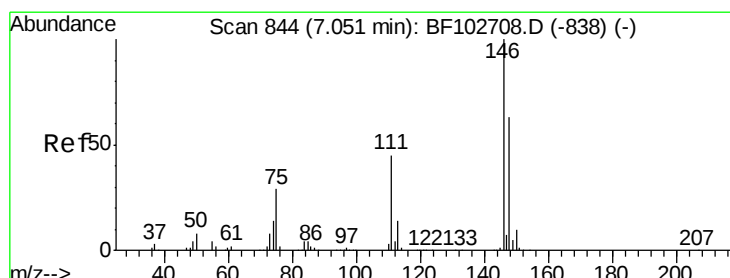
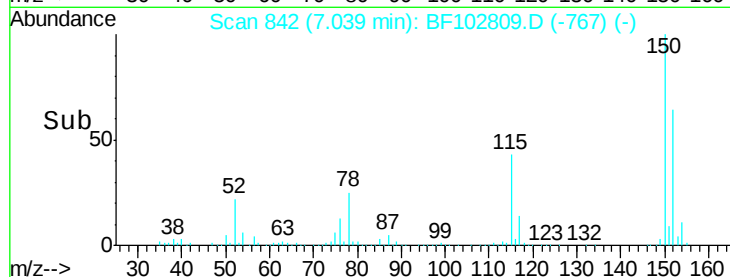
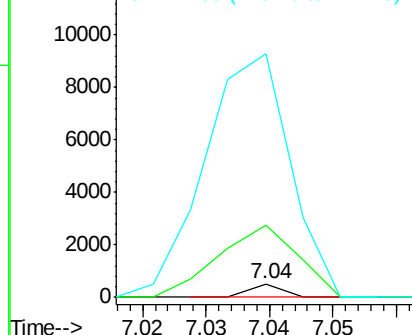
146 100

148 313.6 50.8 76.2#

111 1058.7 34.2 51.2#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 0.014 ng

RT: 7.04 min Scan# 842

Delta R.T. -0.02 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

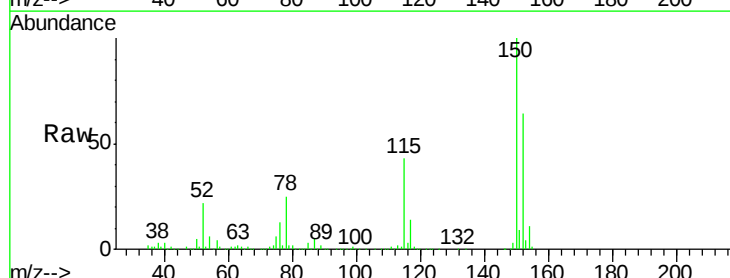
Tgt Ion:146 Resp: 181

Ion Ratio Lower Upper

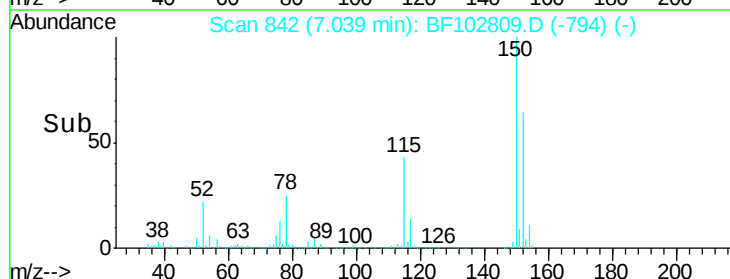
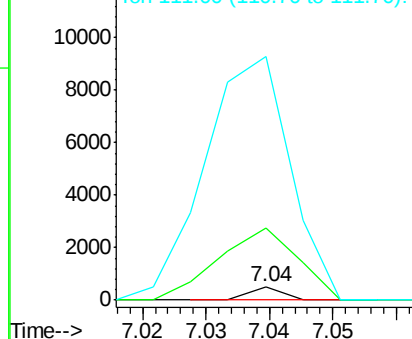
146 100

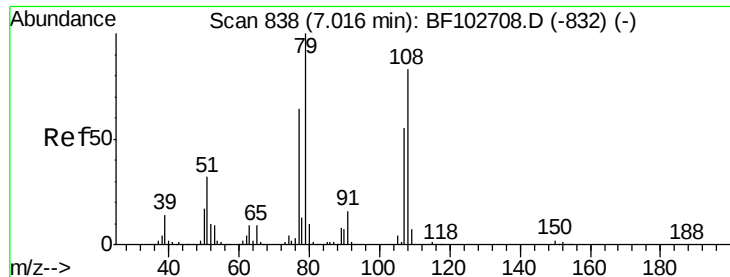
148 313.6 50.6 75.8#

111 1058.7 36.0 54.0#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 1.545 ng

RT: 7.04 min Scan# 842

Delta R.T. 0.02 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

Instrument :

BNA_F

ClientSampled :

PB106326BL

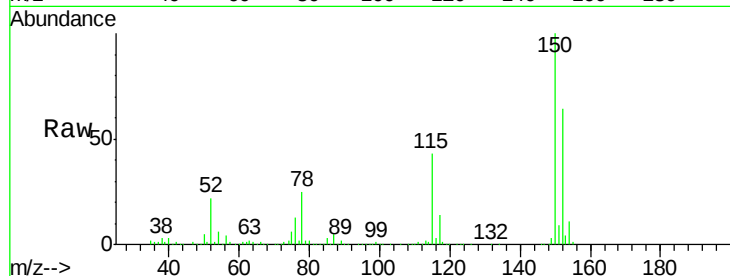
Tot Ion: 79 Resp: 16977

Ion Ratio Lower Upper

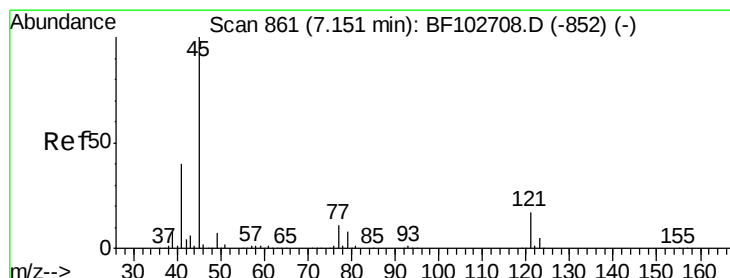
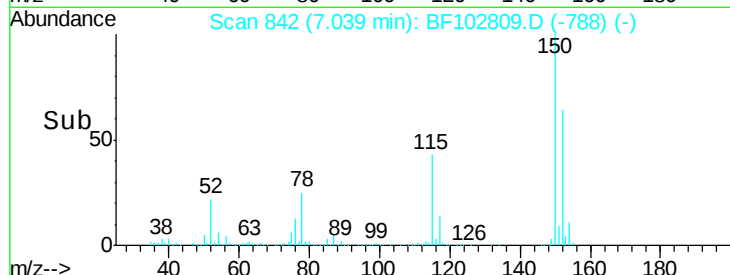
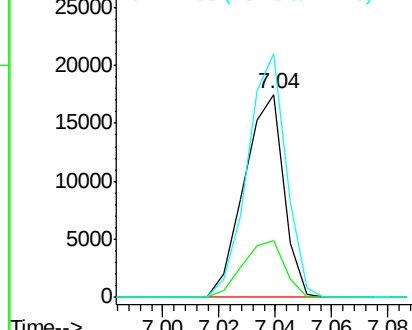
79 100

108 28.1 65.1 97.7#

77 119.9 50.6 75.8#



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.010 ng

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

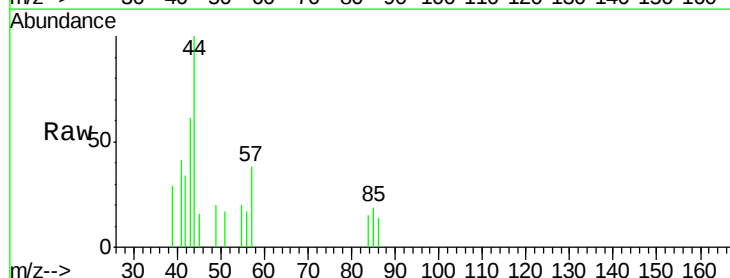
Tgt Ion: 45 Resp: 236

Ion Ratio Lower Upper

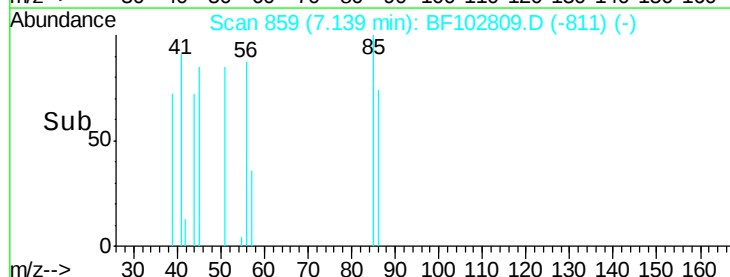
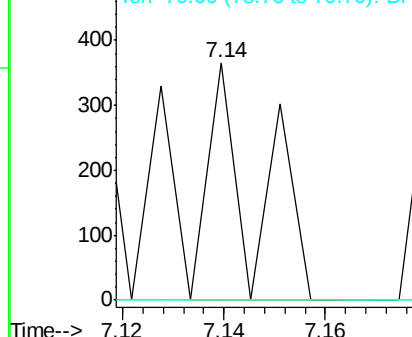
45 100

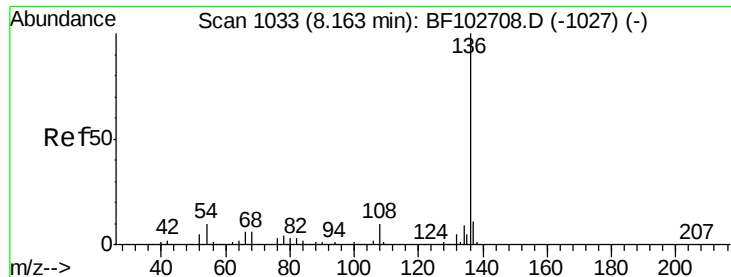
77 0.0 0.0 32.9

79 0.0 0.0 29.6



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

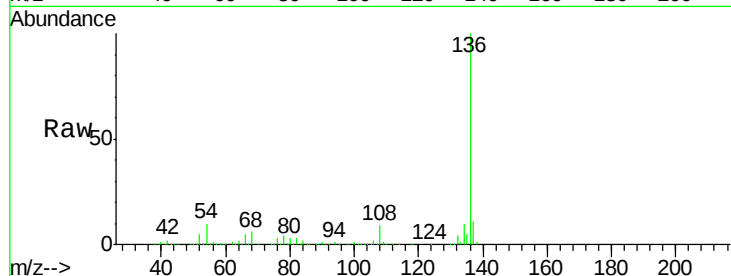




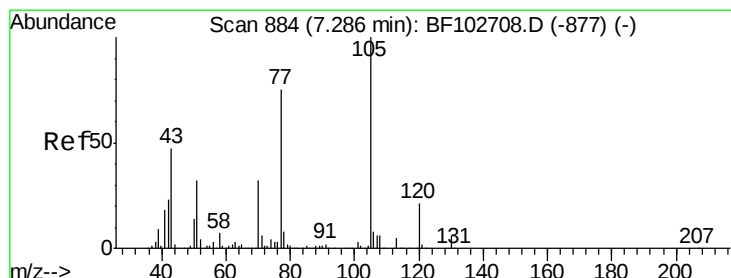
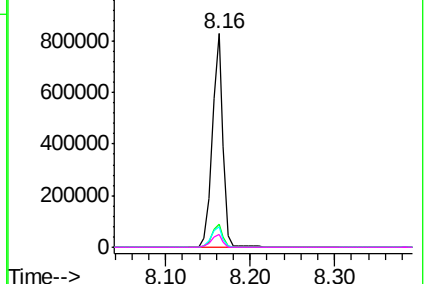
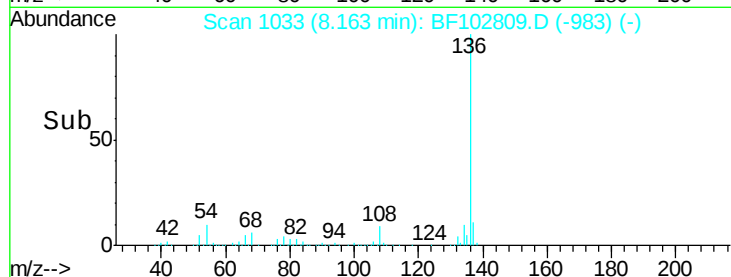
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

Instrument :
BNA_F
ClientSampleId :
PB106326BL

Tot Ion:136	Resp:	745529
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.9	13.3
54 9.8	6.6	9.8
68 6.1	5.0	7.4

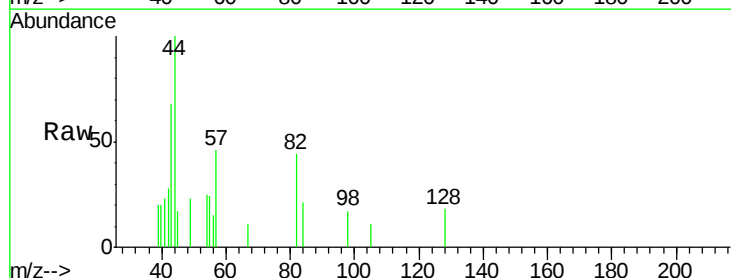


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

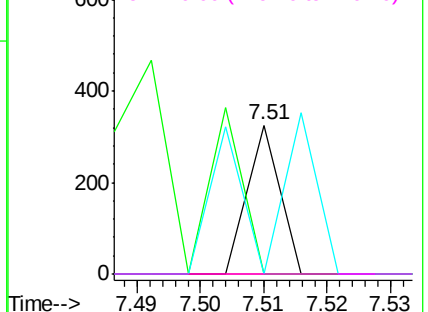
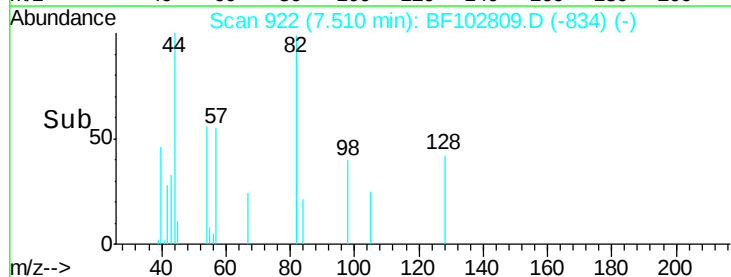


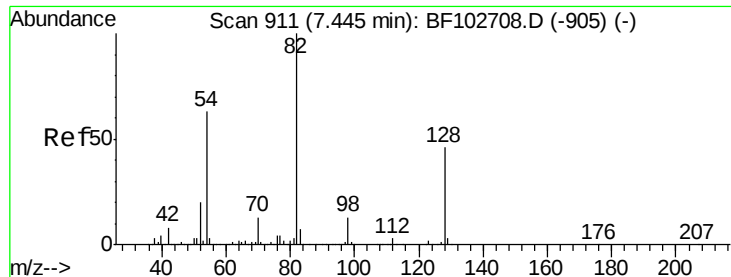
#22
Acetophenone
Concen: 0.006 ng
RT: 7.51 min Scan# 922
Delta R.T. 0.22 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

Tgt	Ion:105	Resp:	115
Ion	Ratio	Lower	Upper
105	100		
71	0.0	4.4	6.6#
51	0.0	22.3	33.5#
120	0.0	16.9	25.3#



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

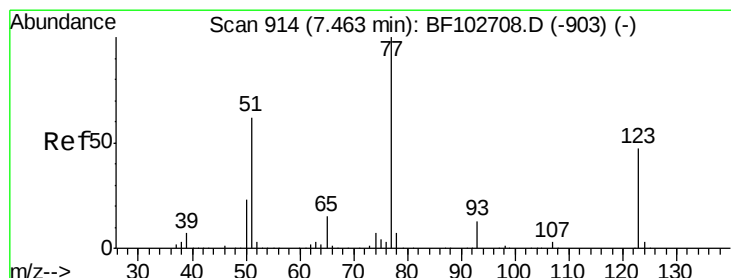
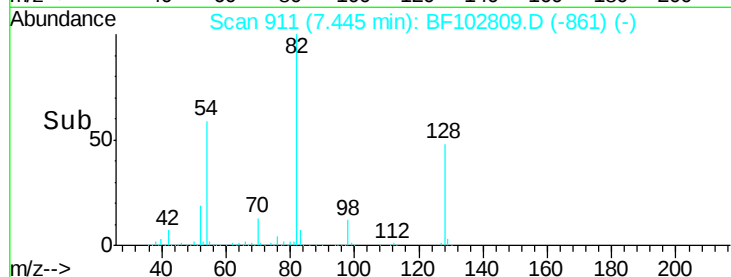
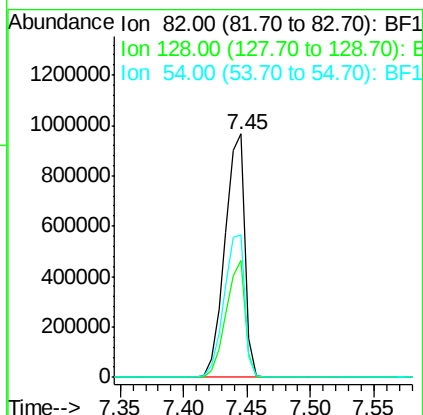
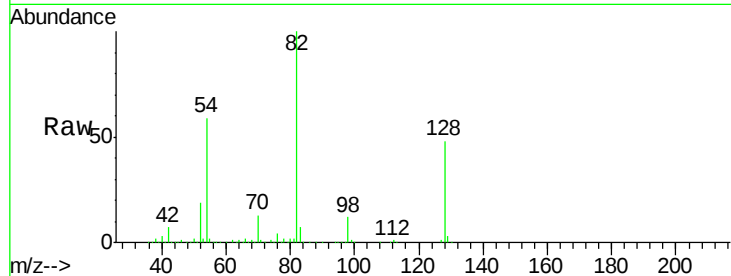




#23
Nitrobenzene-d5
Concen: 97.509 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

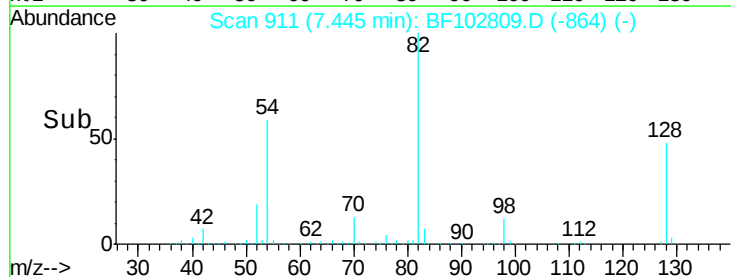
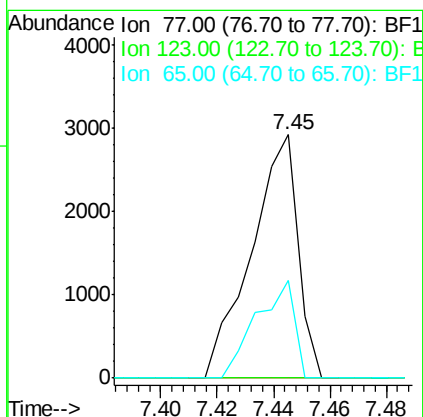
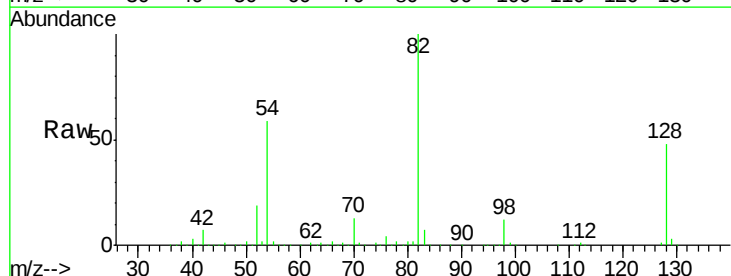
Instrument :
BNA_F
ClientSampleId :
PB106326BL

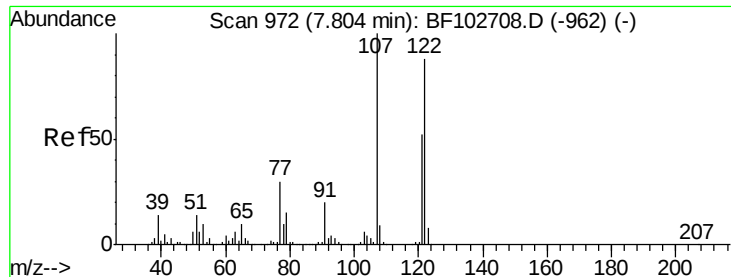
Tot Ion: 82 Resp: 1047931
Ion Ratio Lower Upper
82 100
128 48.2 36.1 54.1
54 58.7 41.4 62.2



#24
Nitrobenzene
Concen: 0.192 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.02 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

Tgt Ion: 77 Resp: 3344
Ion Ratio Lower Upper
77 100
123 0.0 37.9 56.9#
65 40.1 11.0 16.4#





#27

2,4-Dimethylphenol

Concen: 0.352 ng

RT: 7.83 min Scan# 977

Delta R.T. 0.02 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

Instrument :

BNA_F

ClientSampleId :

PB106326BL

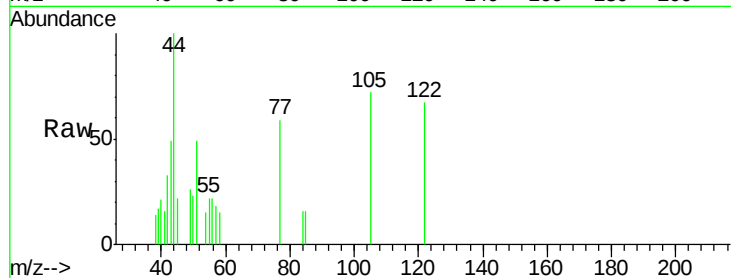
Tot Ion:122 Resp: 3679

Ion Ratio Lower Upper

122 100

107 0.0 91.2 136.8#

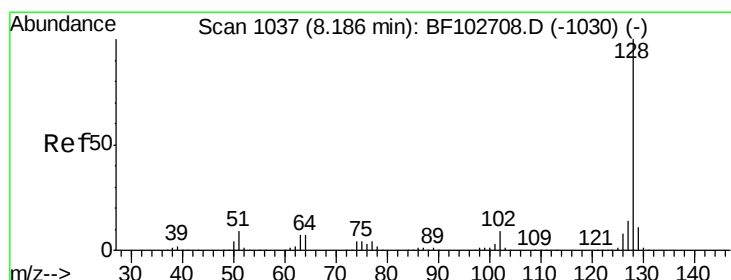
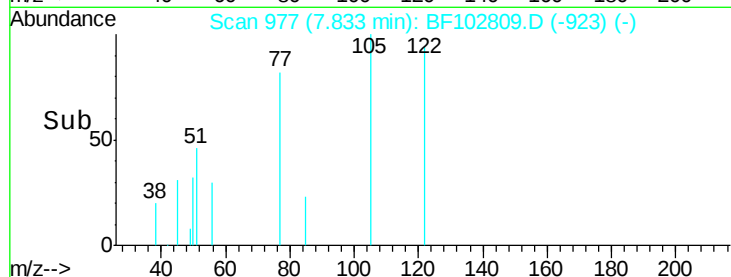
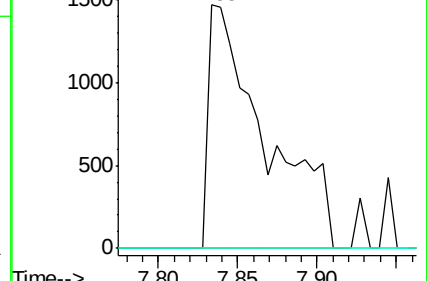
121 0.0 47.2 70.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 0.003 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

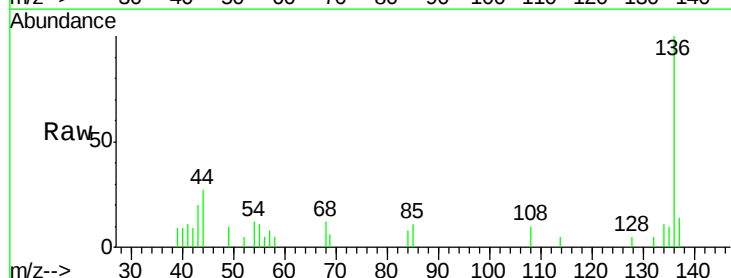
Tgt Ion:128 Resp: 112

Ion Ratio Lower Upper

128 100

129 0.0 8.8 13.2#

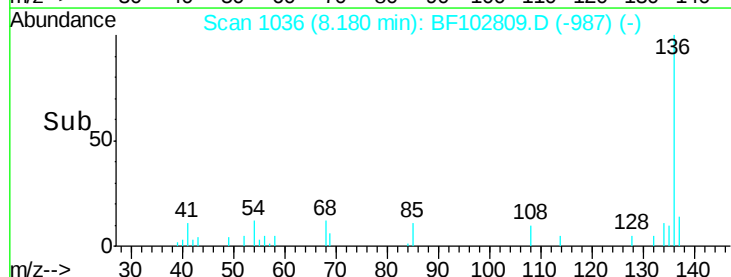
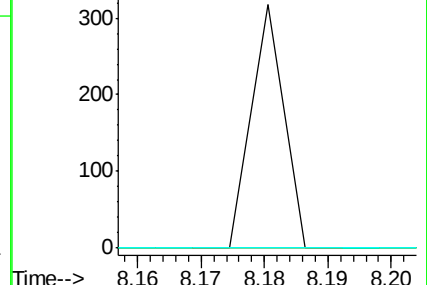
127 0.0 10.9 16.3#

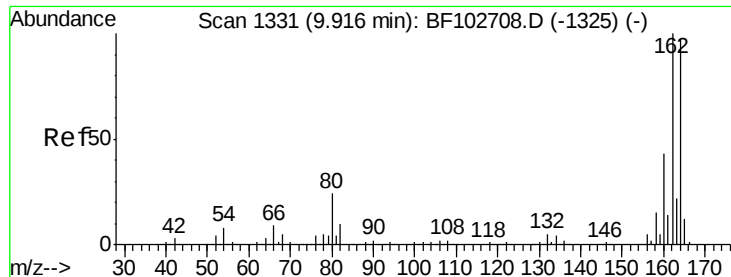


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

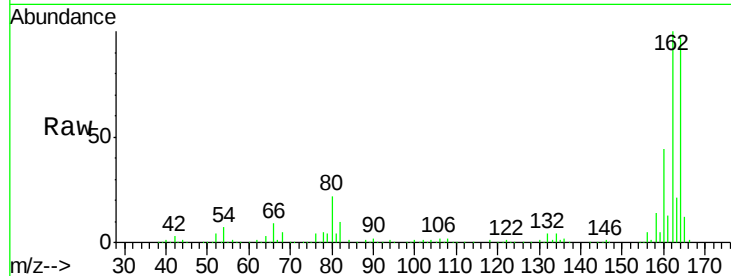




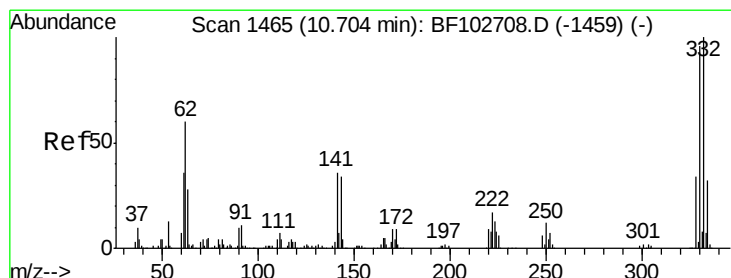
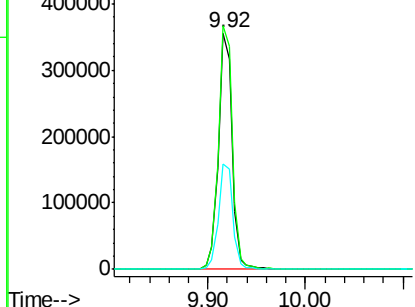
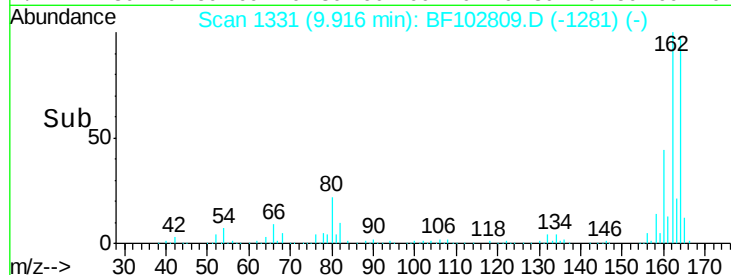
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

Instrument :
BNA_F
ClientSampleId :
PB106326BL

Tot Ion:164 Resp: 349172
Ion Ratio Lower Upper
164 100
162 102.9 86.1 129.1
160 44.8 38.3 57.5

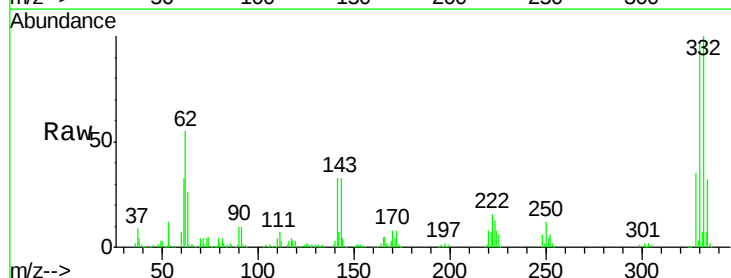


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

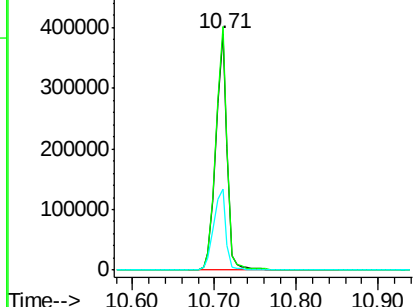
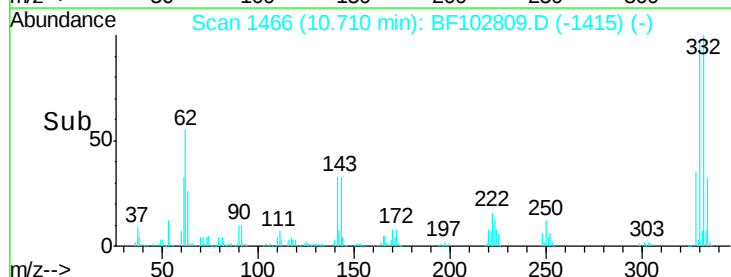


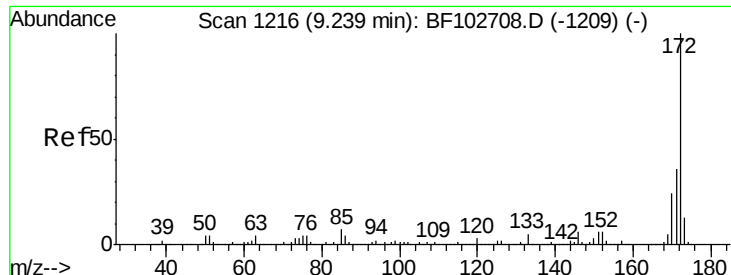
#41
2,4,6-Tribromophenol
Concen: 135.745 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.00 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

Tgt Ion:330 Resp: 381501
Ion Ratio Lower Upper
330 100
332 102.1 77.0 115.6
141 37.1 29.9 44.9



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

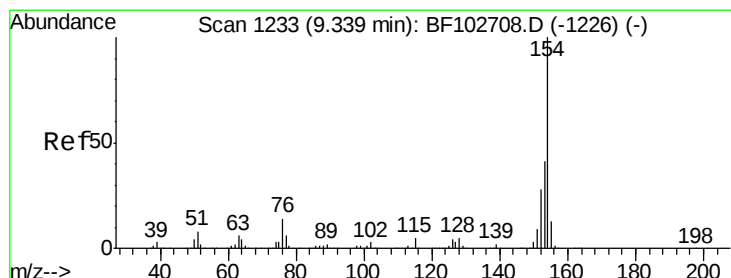
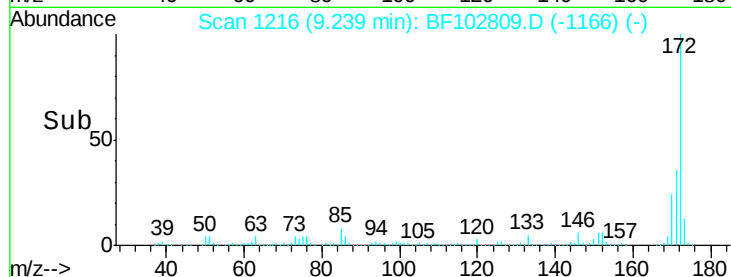
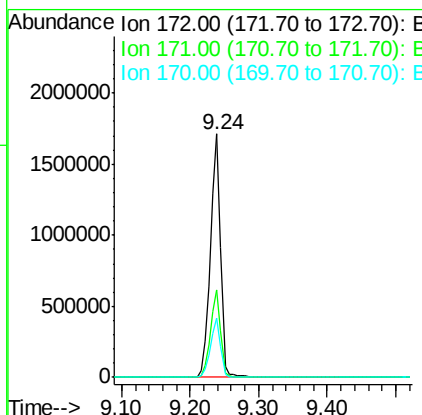
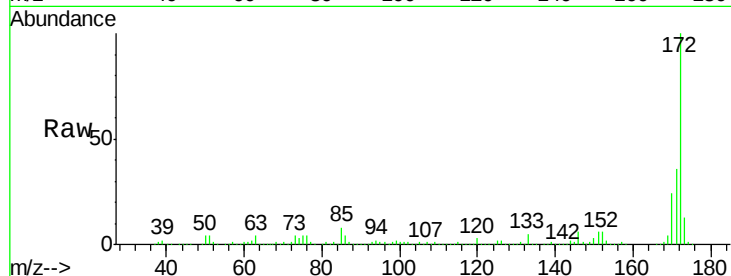




#44
2-Fluorobiphenyl
Concen: 85.064 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

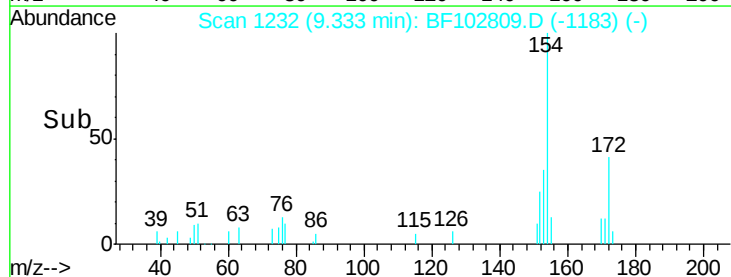
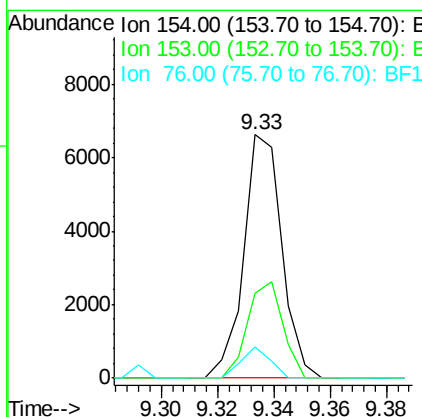
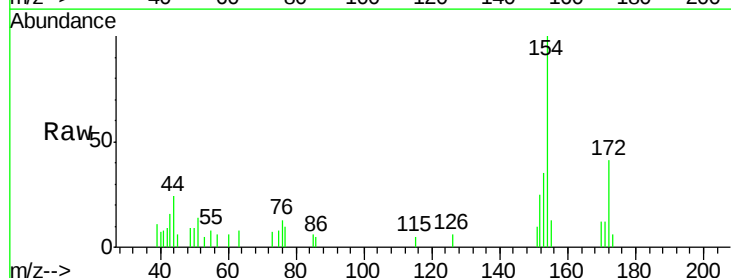
Instrument :
BNA_F
ClientSampleId :
PB106326BL

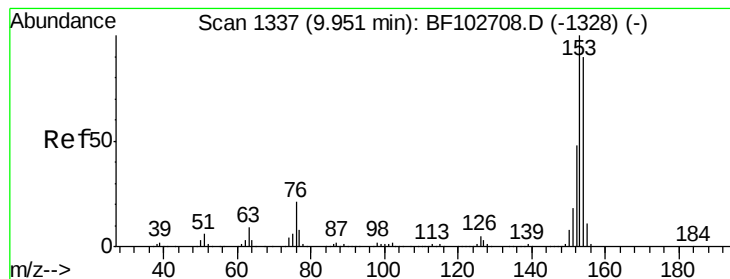
Tot Ion:172 Resp: 1789970
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 24.4 19.6 29.4



#45
1,1'-Biphenyl
Concen: 0.211 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

Tgt Ion:154 Resp: 6193
Ion Ratio Lower Upper
154 100
153 34.7 21.3 61.3
76 12.8 0.0 34.0





#51

Acenaphthene

Concen: 0.060 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.04 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

Instrument :

BNA_F

ClientSampleId :

PB106326BL

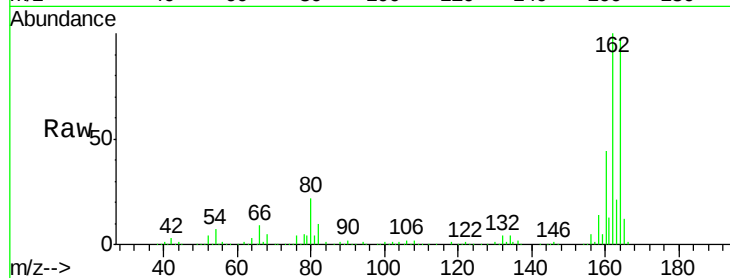
Tot Ion:154 Resp: 1294

Ion Ratio Lower Upper

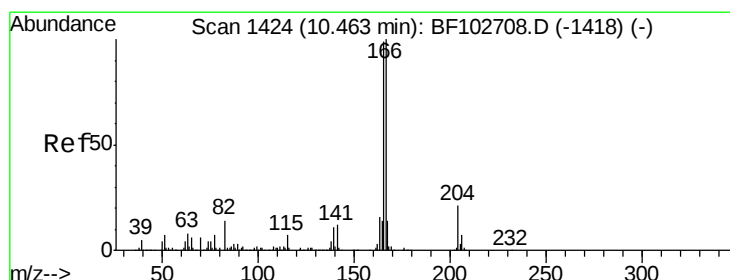
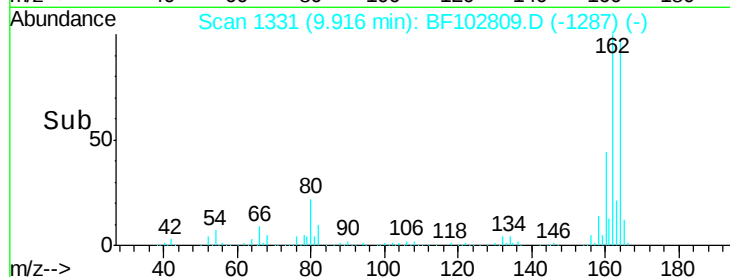
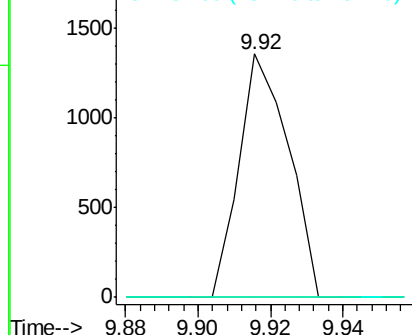
154 100

153 0.0 91.2 136.8#

152 0.0 43.8 65.8#



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 0.910 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.24 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

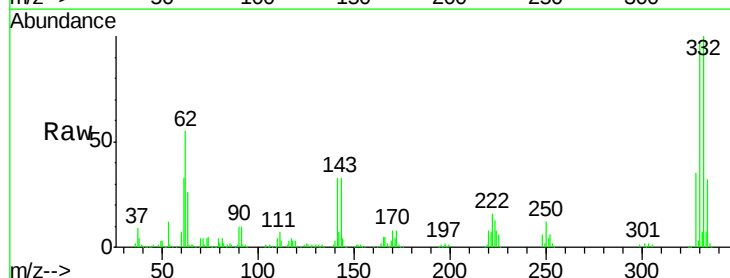
Tgt Ion:166 Resp: 20066

Ion Ratio Lower Upper

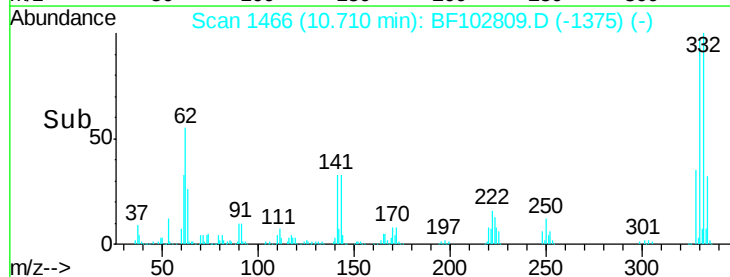
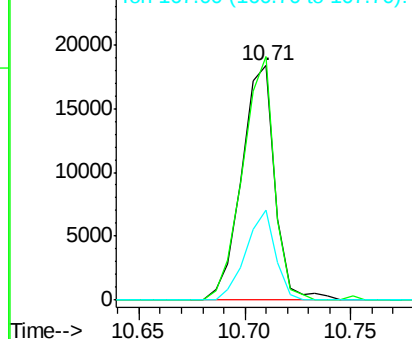
166 100

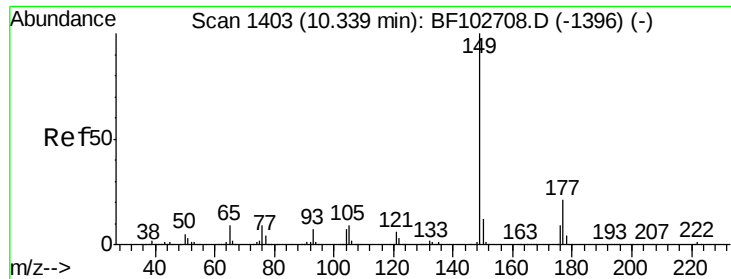
165 104.0 79.8 119.8

167 38.6 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

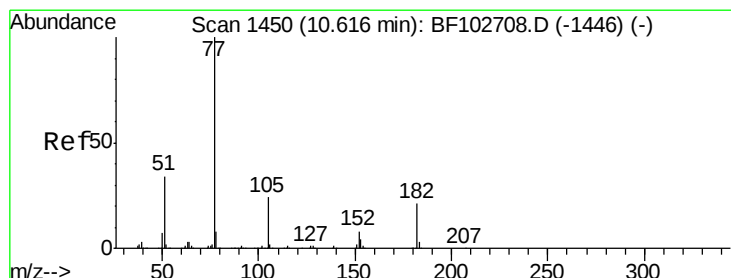
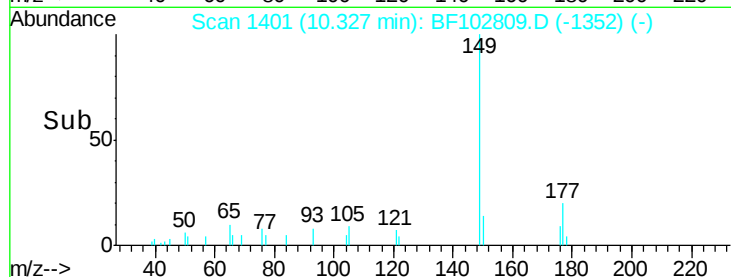
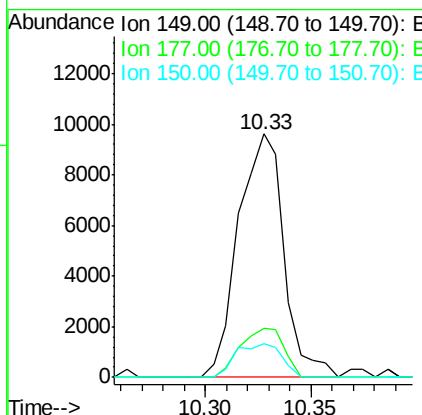
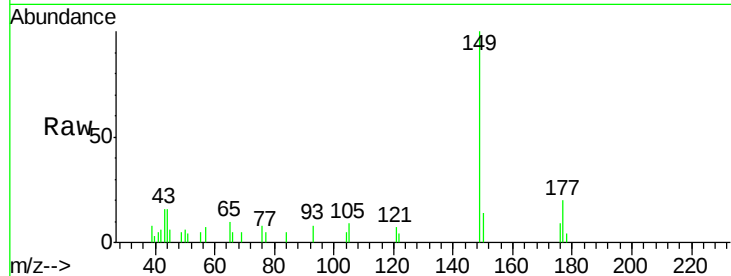




#59
Diethylphthalate
Concen: 0.533 ng
RT: 10.33 min Scan# 1401
Delta R.T. -0.01 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

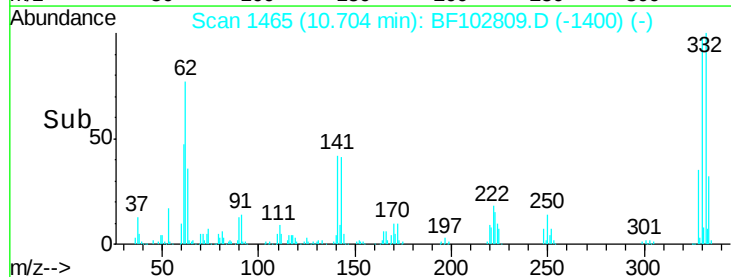
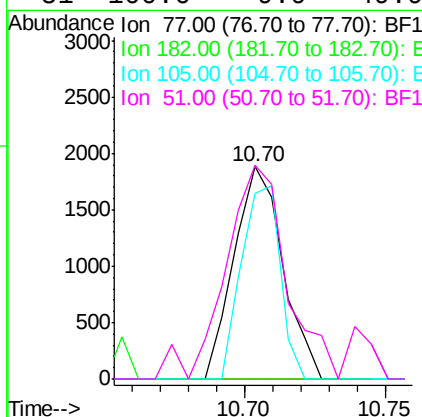
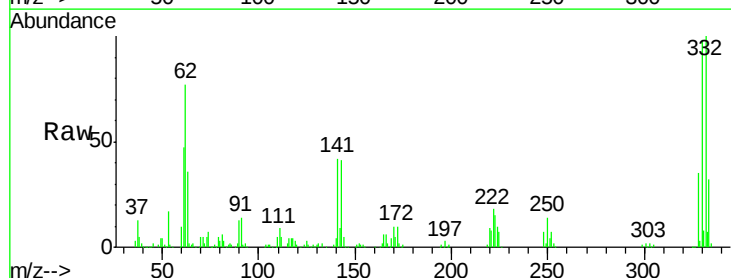
Instrument :
BNA_F
ClientSampleId :
PB106326BL

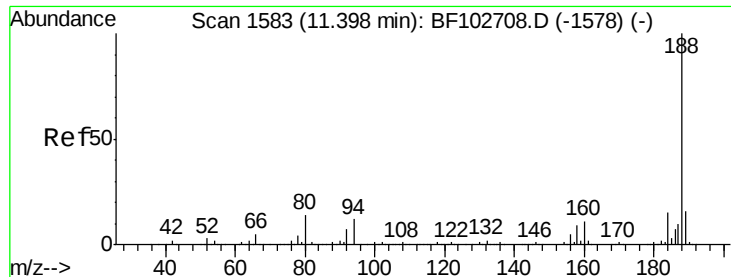
Tot Ion:149 Resp: 14339
Ion Ratio Lower Upper
149 100
177 19.9 16.1 24.1
150 13.9 10.1 15.1



#62
Azobenzene
Concen: 0.084 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.08 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

Tgt Ion: 77 Resp: 2260
Ion Ratio Lower Upper
77 100
182 0.0 1.7 41.7#
105 87.6 3.0 43.0#
51 100.6 9.9 49.9#

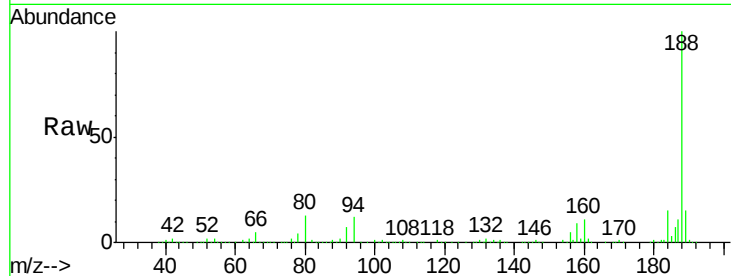




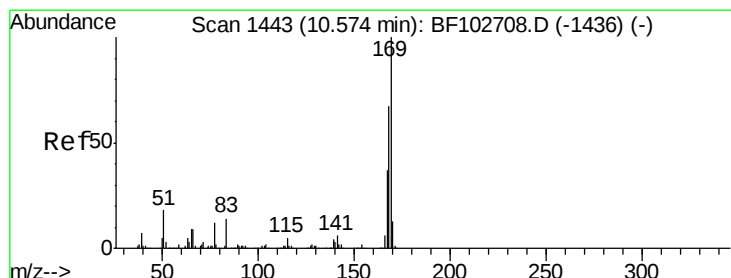
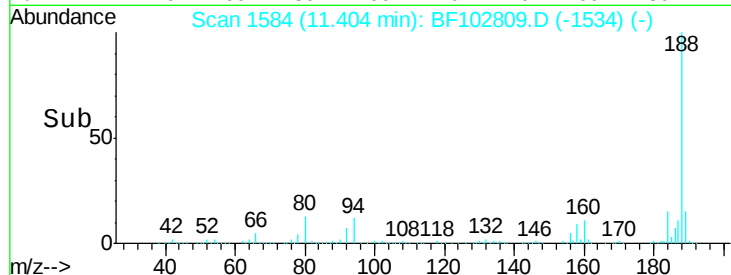
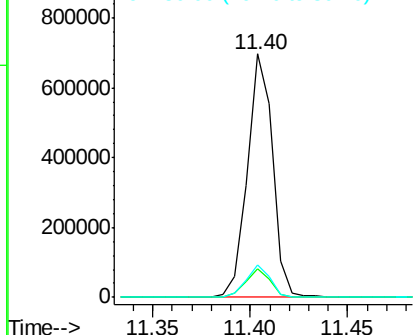
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

Instrument :
BNA_F
ClientSampleId :
PB106326BL

Tot Ion:188 Resp: 625423
Ion Ratio Lower Upper
188 100
94 11.9 8.5 12.7
80 13.3 9.2 13.8

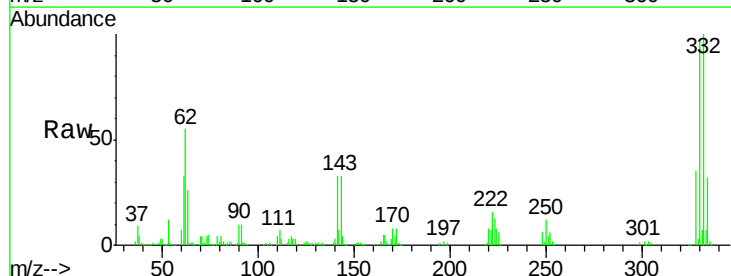


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

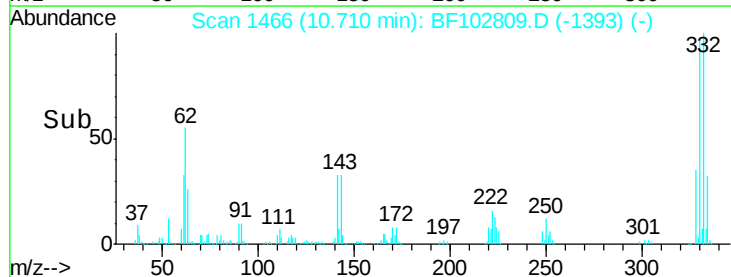
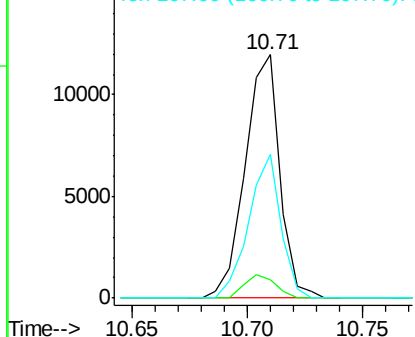


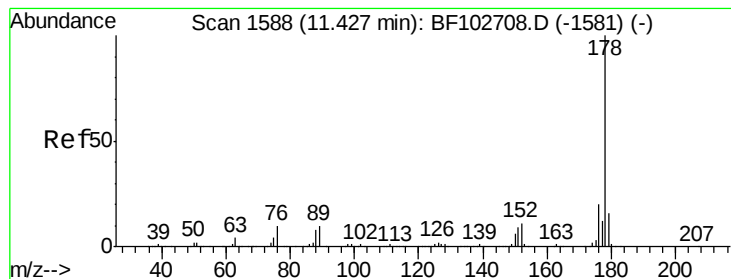
#65
n-Nitrosodiphenylamine
Concen: 0.567 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.13 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

Tgt Ion:169 Resp: 12515
Ion Ratio Lower Upper
169 100
168 7.4 54.4 81.6#
167 59.1 29.8 44.6#



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





#70

Phenanthrene

Concen: 0.003 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.02 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

Instrument :

BNA_F

ClientSampleId :

PB106326BL

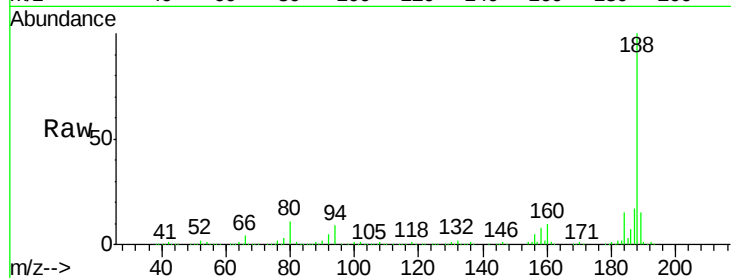
Tot Ion:178 Resp: 120

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.8#

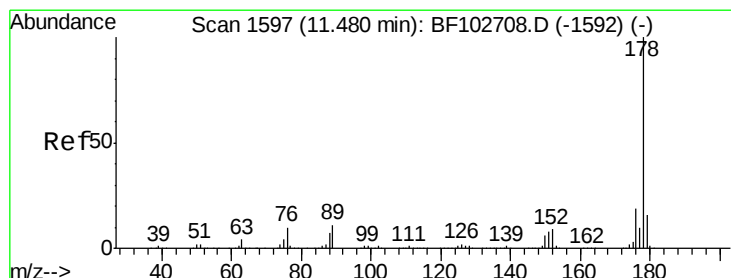
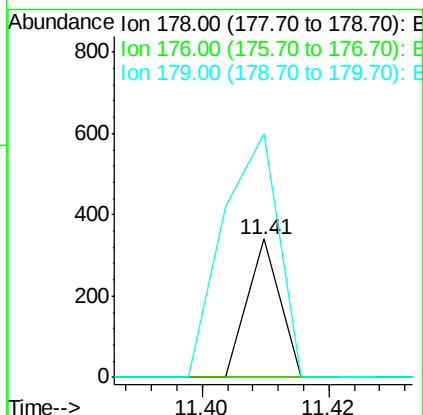
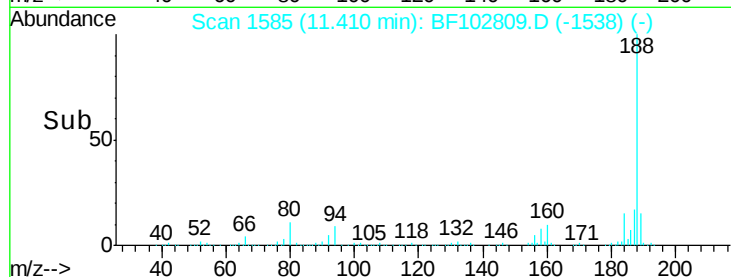
179 175.7 13.0 19.6#



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



#71

Anthracene

Concen: 0.003 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.08 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

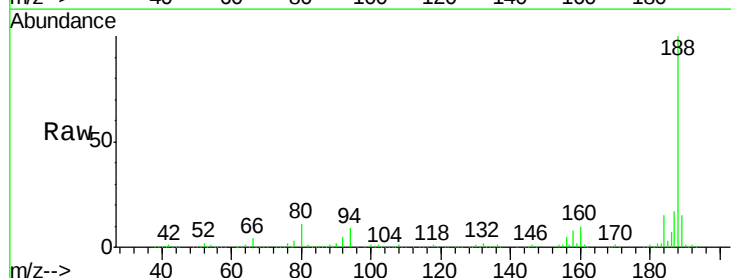
Tgt Ion:178 Resp: 120

Ion Ratio Lower Upper

178 100

176 0.0 15.4 23.2#

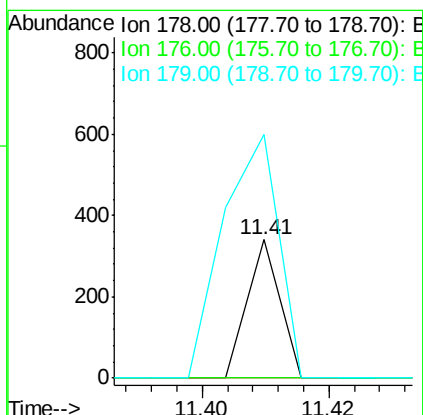
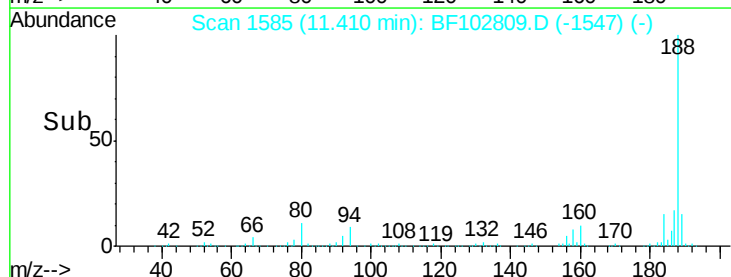
179 175.7 12.6 19.0#

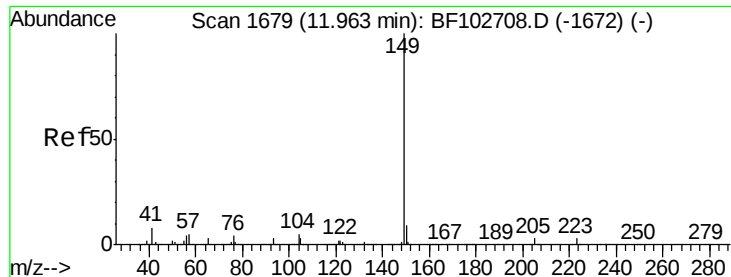


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: 0.075 ng

RT: 11.96 min Scan# 1678

Delta R.T. -0.01 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

Instrument :

BNA_F

ClientSampleId :

PB106326BL

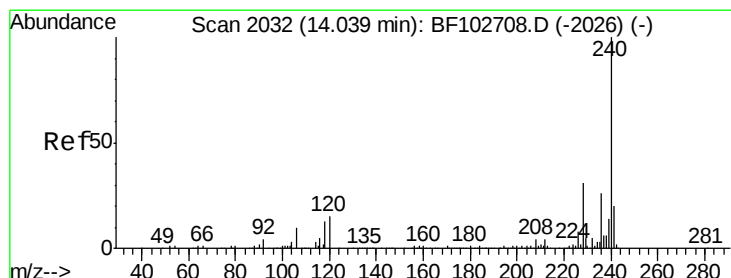
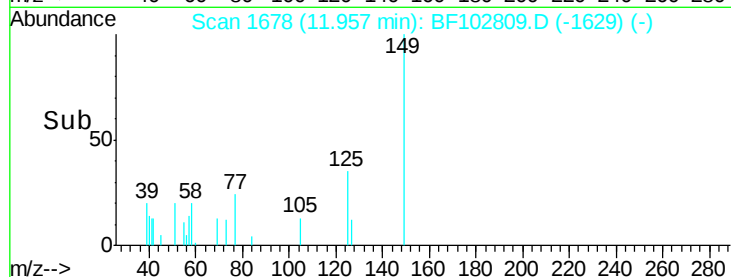
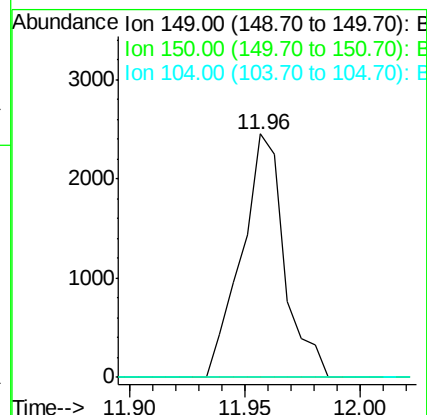
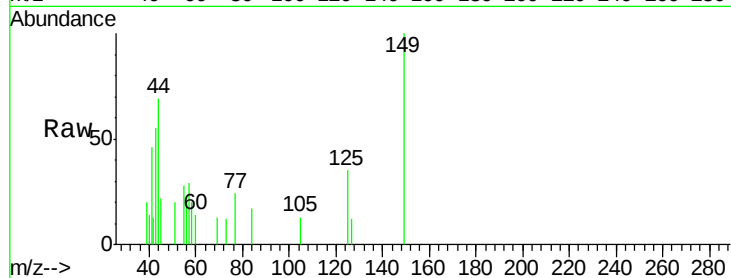
Tot Ion:149 Resp: 3176

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

104 0.0 3.8 5.8#



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

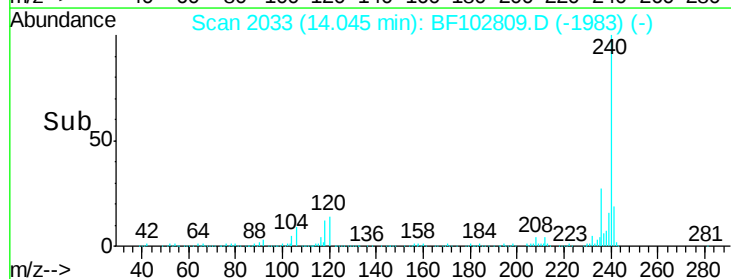
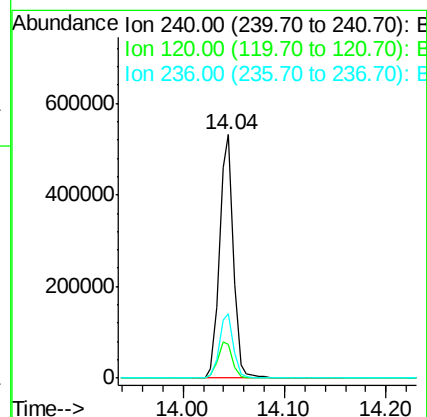
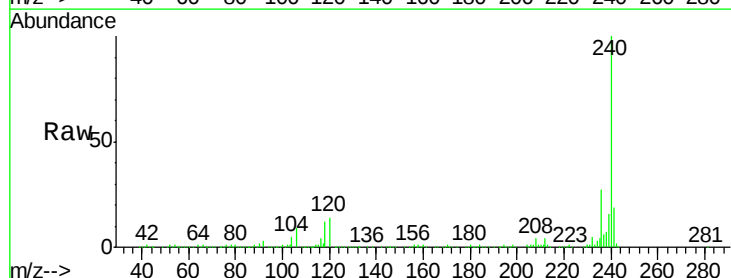
Tgt Ion:240 Resp: 507500

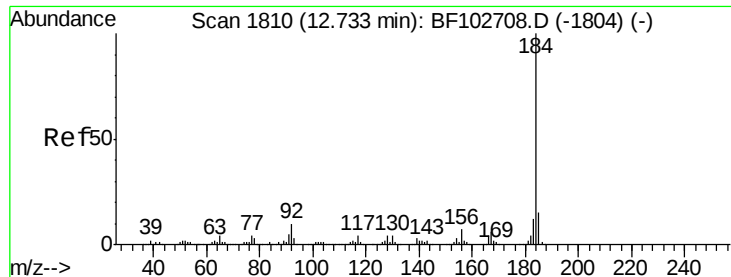
Ion Ratio Lower Upper

240 100

120 13.6 9.5 14.3

236 26.6 20.7 31.1





#76

Benzidine

Concen: 1.012 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.25 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

Instrument :

BNA_F

ClientSampleId :

PB106326BL

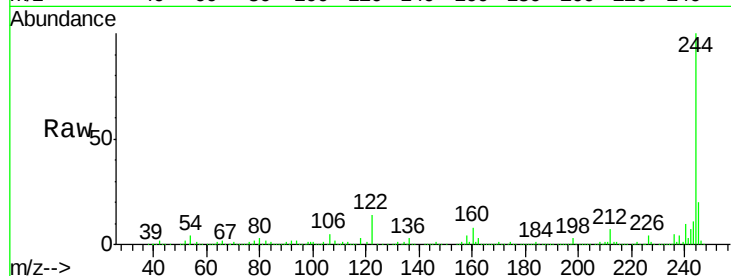
Tot Ion:184 Resp: 23604

Ion Ratio Lower Upper

184 100

185 17.9 12.6 18.8

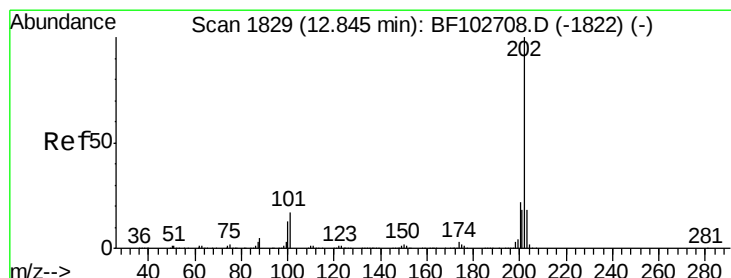
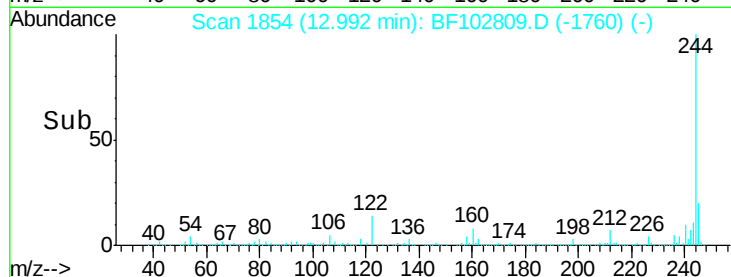
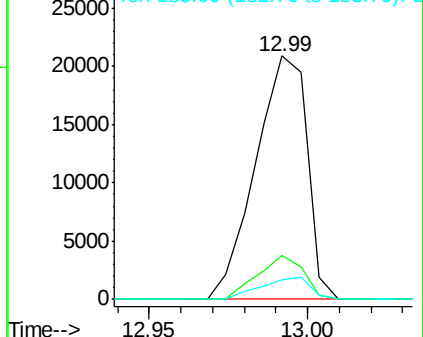
183 8.3 9.3 13.9#



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



#77

Pyrene

Concen: 0.150 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.15 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

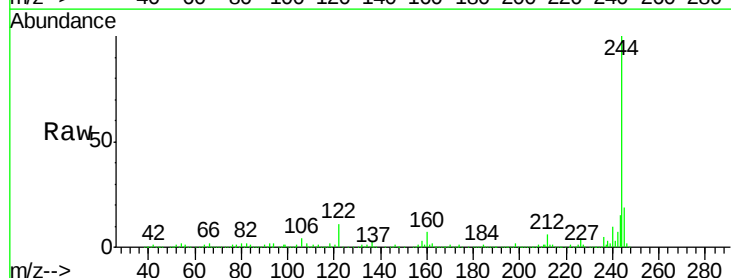
Tgt Ion:202 Resp: 5951

Ion Ratio Lower Upper

202 100

200 37.1 17.4 26.2#

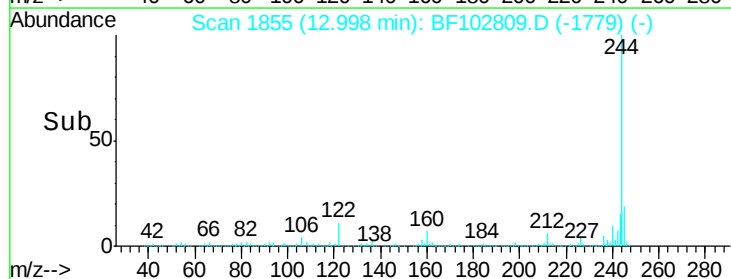
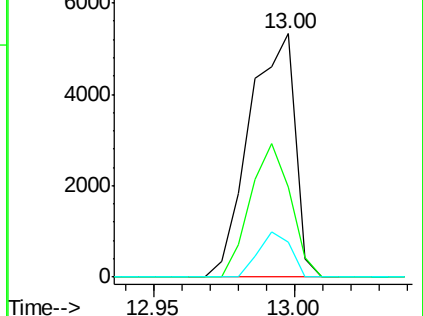
203 14.2 14.3 21.5#

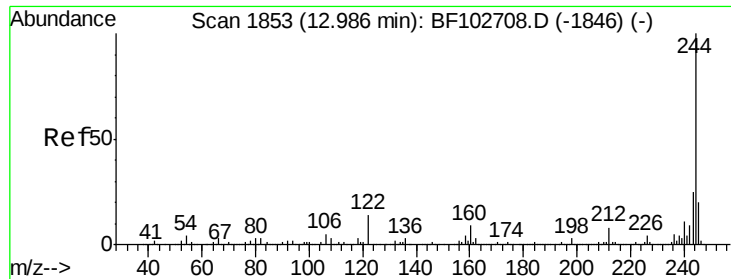


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

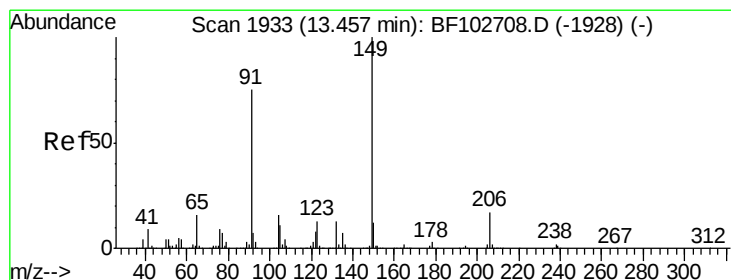
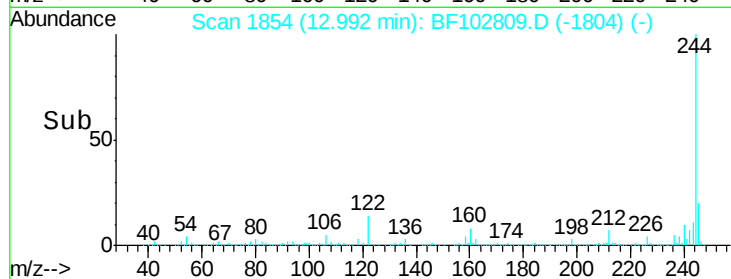
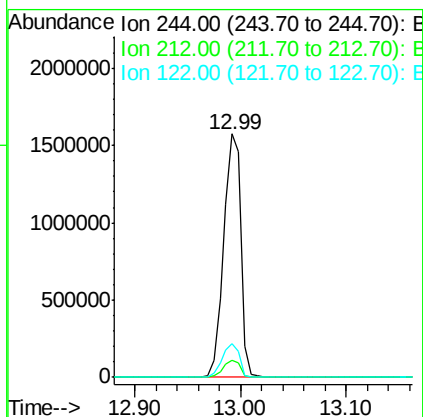
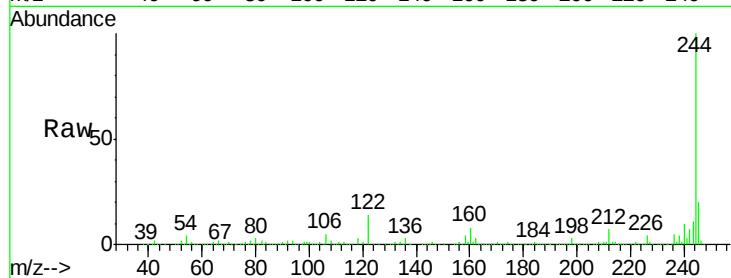




#78
 Terphenyl-d14
 Concen: 83.148 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF102809.D
 Acq: 7 Feb 2018 12:25

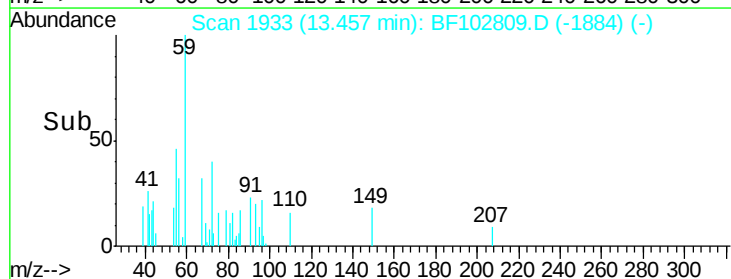
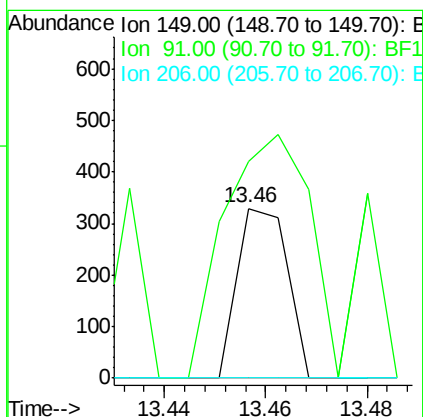
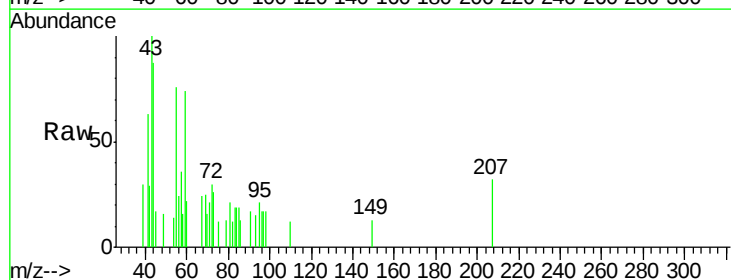
Instrument :
 BNA_F
 ClientSampleId :
 PB106326BL

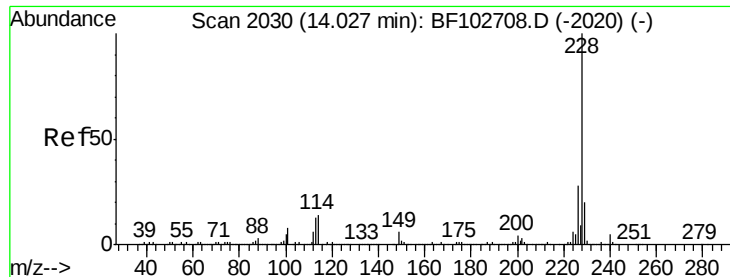
Tot Ion:244 Resp: 1782156
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 14.1 11.0 16.4



#79
 Butylbenzylphthalate
 Concen: 1.036 ng
 RT: 13.46 min Scan# 1933
 Delta R.T. -0.01 min
 Lab File: BF102809.D
 Acq: 7 Feb 2018 12:25

Tgt Ion:149 Resp: 226
 Ion Ratio Lower Upper
 149 100
 91 127.7 56.8 85.2#
 206 0.0 14.1 21.1#





#80

Benzo(a)anthracene

Concen: 0.038 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.01 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

Instrument :

BNA_F

ClientSampleId :

PB106326BL

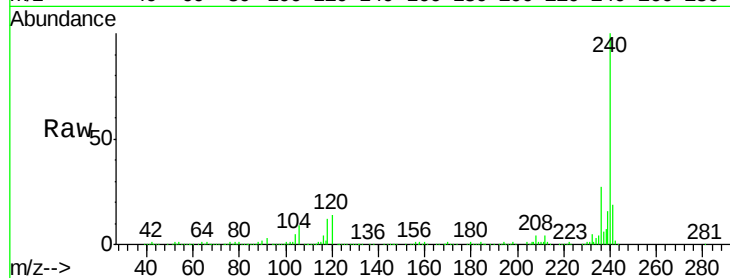
Tot Ion:228 Resp: 1227

Ion Ratio Lower Upper

228 100

226 0.0 22.6 33.8#

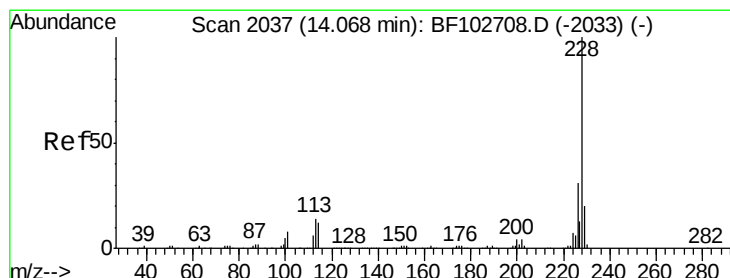
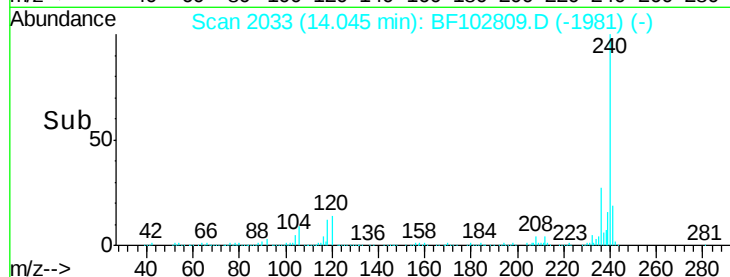
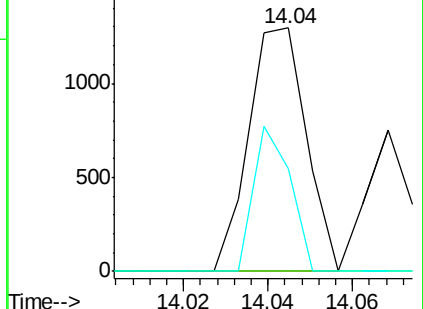
229 42.0 15.8 23.6#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 0.016 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

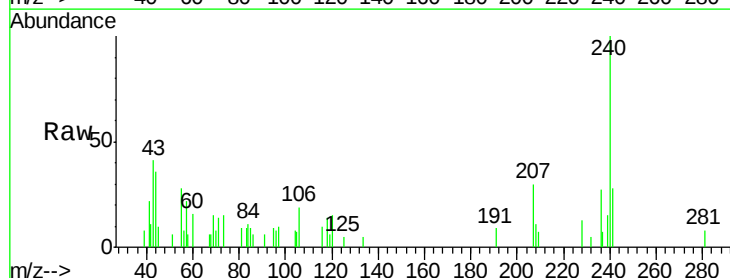
Tgt Ion:228 Resp: 516

Ion Ratio Lower Upper

228 100

226 0.0 25.0 37.6#

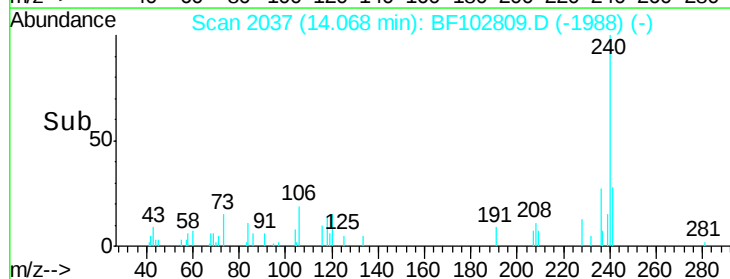
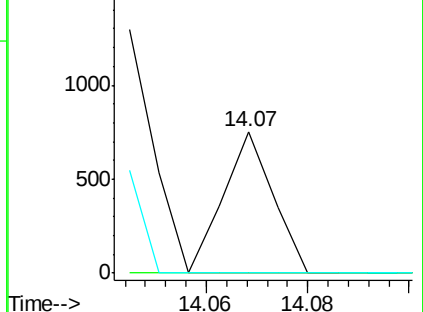
229 0.0 16.2 24.4#

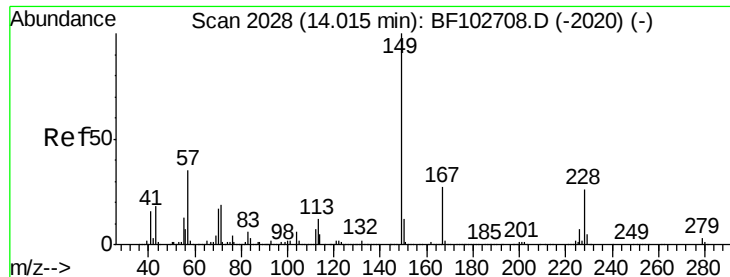


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.129 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

Instrument :

BNA_F

ClientSampleId :

PB106326BL

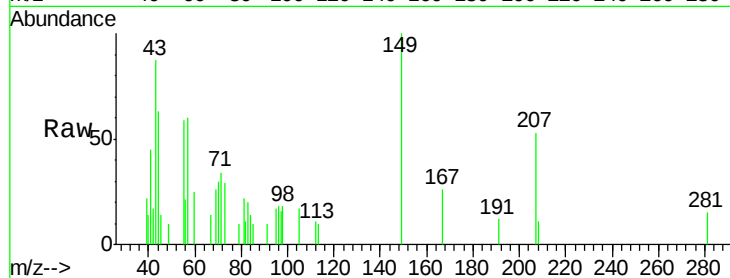
Tot Ion:149 Resp: 3137

Ion Ratio Lower Upper

149 100

167 26.2 21.3 31.9

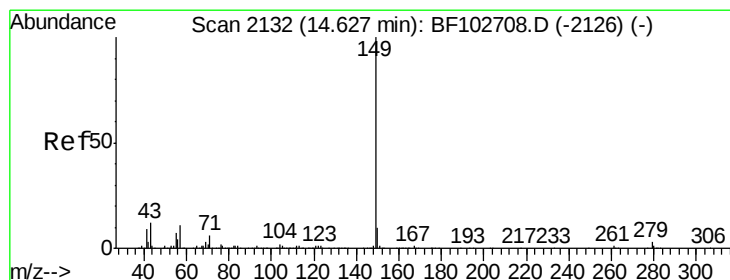
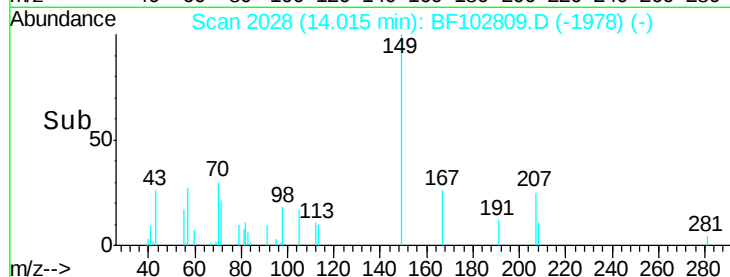
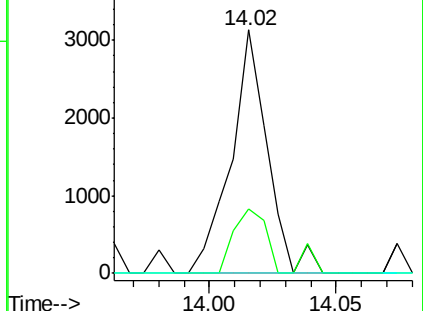
279 0.0 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 0.029 ng

RT: 14.63 min Scan# 2132

Delta R.T. -0.01 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

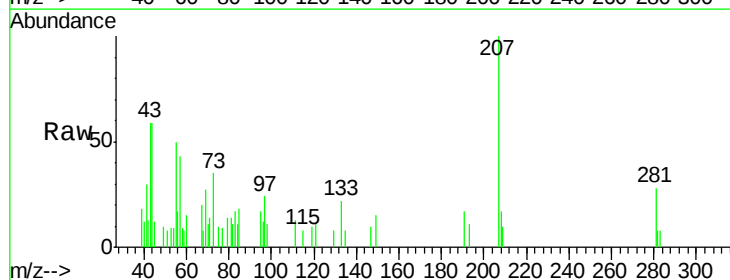
Tgt Ion:149 Resp: 1045

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

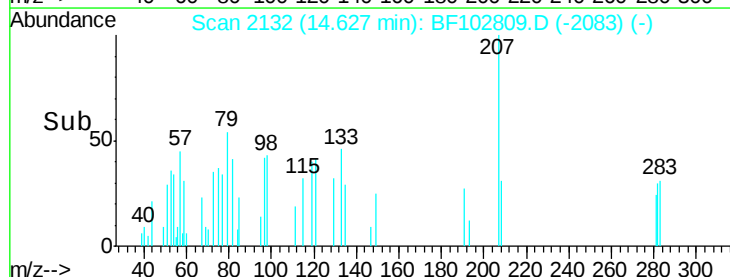
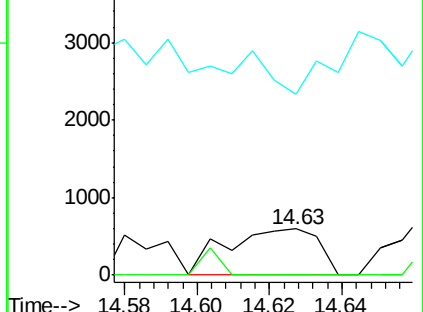
43 0.0 8.4 12.6#

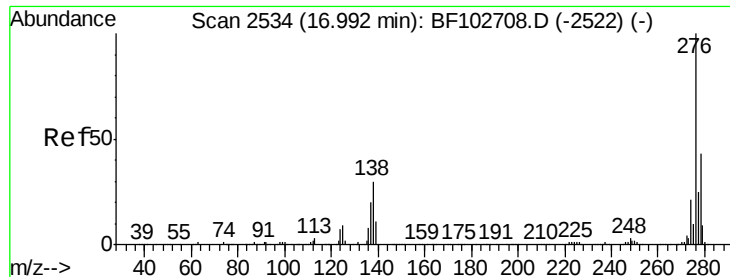


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

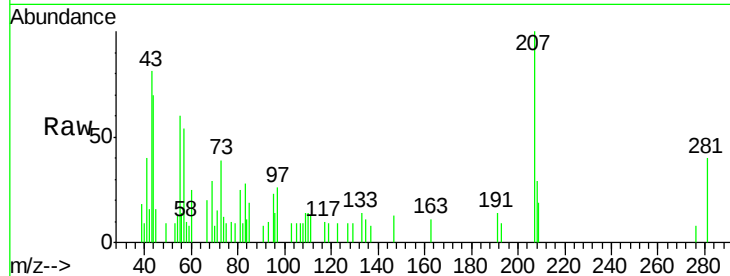




#85
Indeno(1,2,3-cd)pyrene
Concen: 0.004 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.00 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

Instrument :
BNA_F
ClientSampleId :
PB106326BL

Tot Ion:276 Resp: 112
Ion Ratio Lower Upper
276 100
138 0.0 25.0 37.6#
277 0.0 20.1 30.1#



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

17.02

400

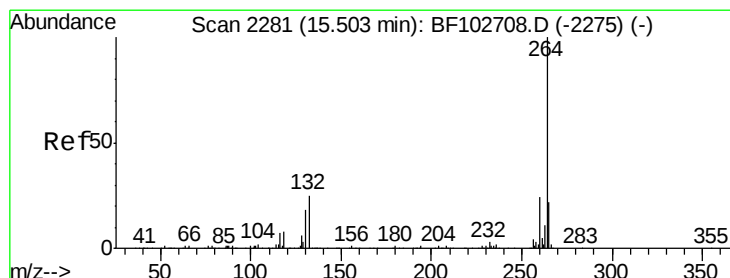
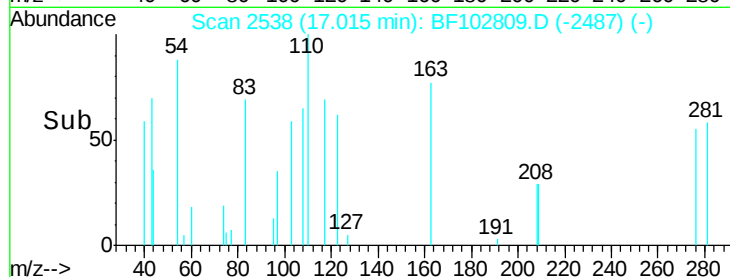
300

200

100

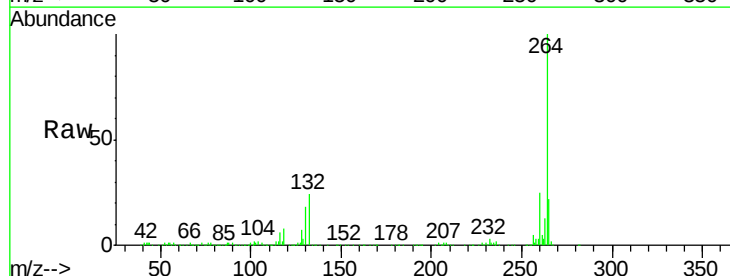
0

Time-->



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF102809.D
Acq: 7 Feb 2018 12:25

Tgt Ion:264 Resp: 405813
Ion Ratio Lower Upper
264 100
260 24.8 19.2 28.8
265 21.8 17.5 26.3



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

15.52

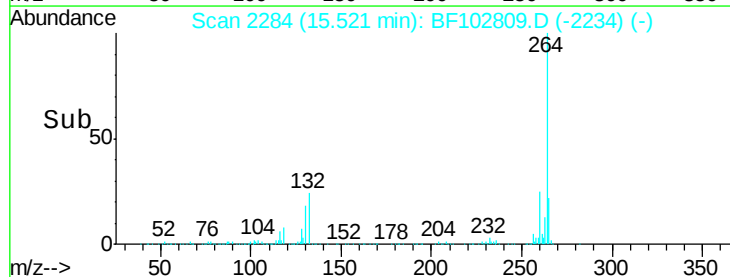
300000

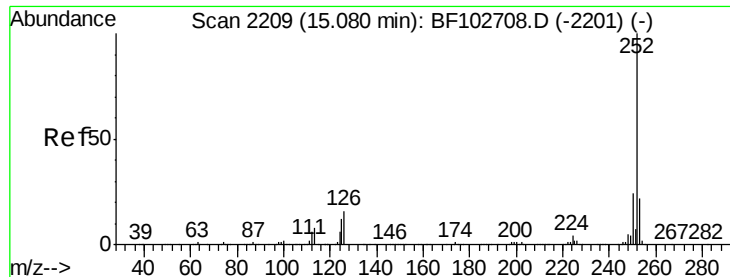
200000

100000

0

Time-->





#87

Benzo(b)fluoranthene

Concen: 0.043 ng

RT: 15.08 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

Instrument :

BNA_F

ClientSampleId :

PB106326BL

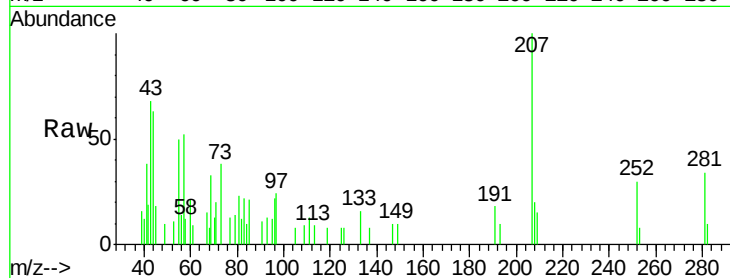
Tot Ion:252 Resp: 1130

Ion Ratio Lower Upper

252 100

253 26.6 17.0 25.6#

125 27.3 9.0 13.6#

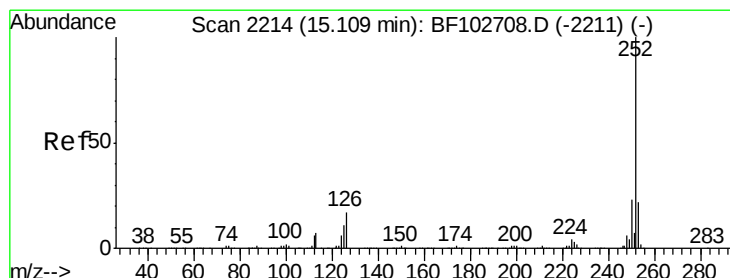
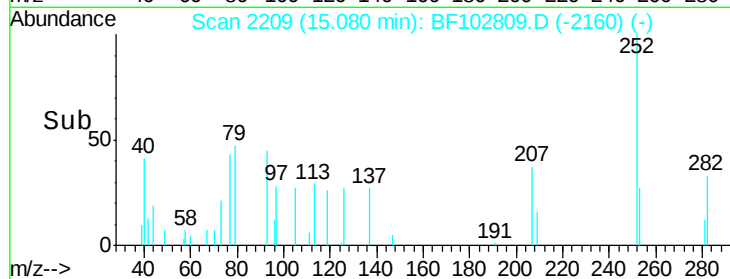
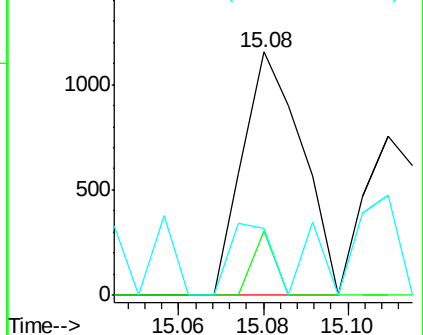


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 0.032 ng

RT: 15.11 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

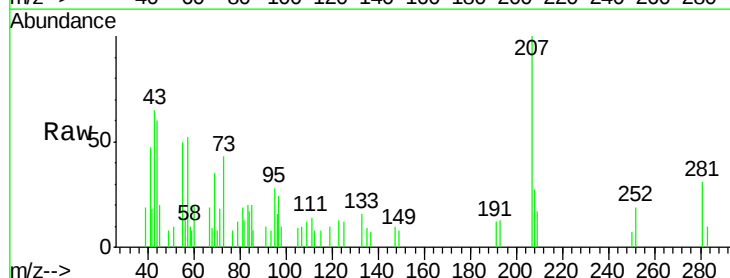
Tgt Ion:252 Resp: 795

Ion Ratio Lower Upper

252 100

253 0.0 17.9 26.9#

125 63.3 10.2 15.2#

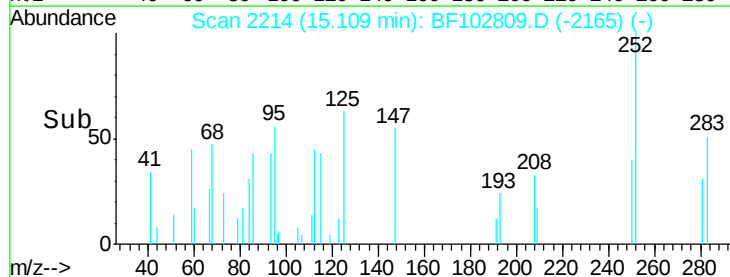
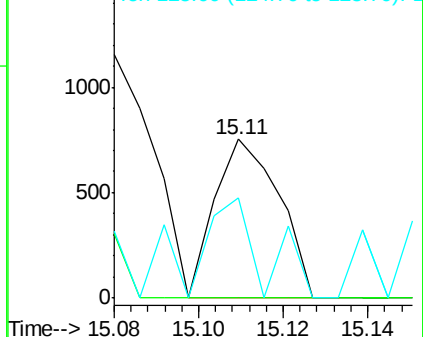


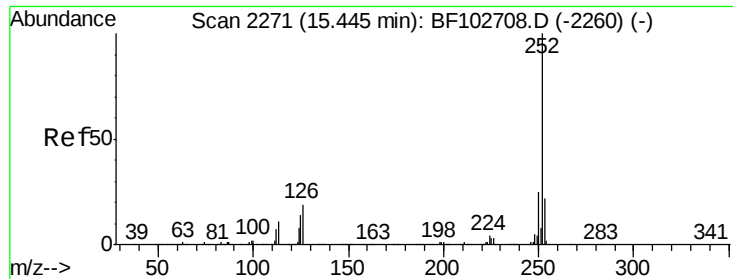
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 0.054 ng

RT: 15.52 min Scan# 2284

Delta R.T. 0.06 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

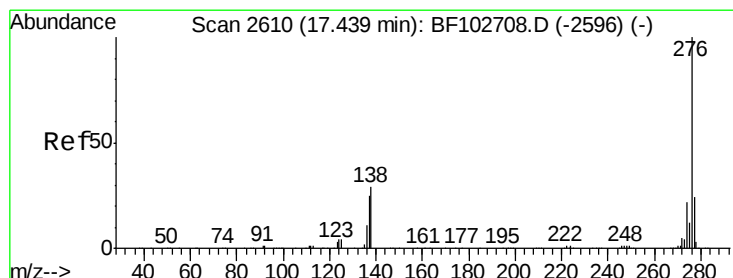
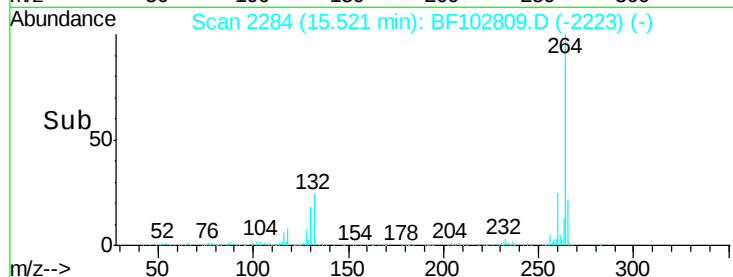
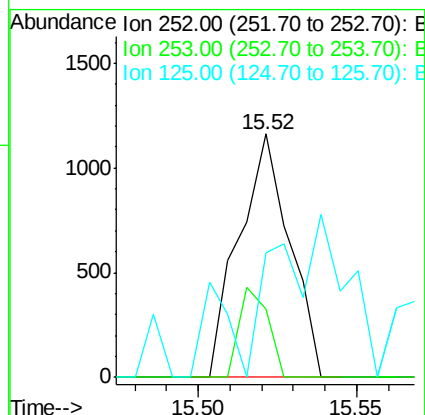
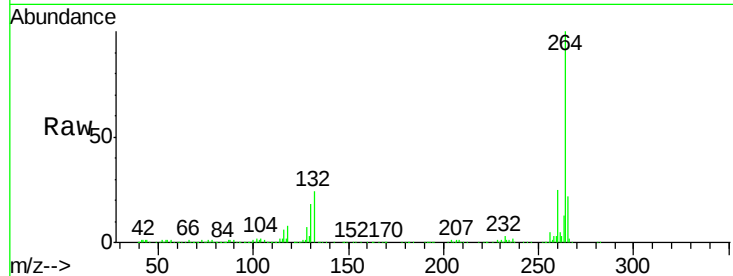
Instrument :

BNA_F

ClientSampleId :

PB106326BL

Tot Ion:	252	Resp:	1287
Ion	Ratio	Lower	Upper
252	100		
253	27.8	17.1	25.7#
125	51.1	9.8	14.6#



#91

Benzo(g,h,i)perylene

Concen: 0.006 ng

RT: 17.45 min Scan# 2612

Delta R.T. -0.02 min

Lab File: BF102809.D

Acq: 7 Feb 2018 12:25

Tgt Ion:	276	Resp:	116
Ion	Ratio	Lower	Upper
276	100		
277	0.0	17.9	26.9#
138	0.0	21.8	32.8#

