

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121517\
 Data File : BF101449.D
 Acq On : 15 Dec 2017 18:06
 Operator : SJ/JU
 Sample : I6822-01RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 15 18:47:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 17:36:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	179216	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	678587	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	274172	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	454445	20.00	ng	0.01
75) Chrysene-d12	14.00	240	352902	20.00	ng	0.00
86) Perylene-d12	15.47	264	320852	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	62003	5.15	ng	0.02
7) Phenol-d6	6.45	99	1033010	68.99	ng	0.00
23) Nitrobenzene-d5	7.39	82	845801	69.38	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	1030	0.39	ng	0.01
44) 2-Fluorobiphenyl	9.17	172	1374960	77.79	ng	0.00
78) Terphenyl-d14	12.93	244	1150514	78.59	ng	0.00

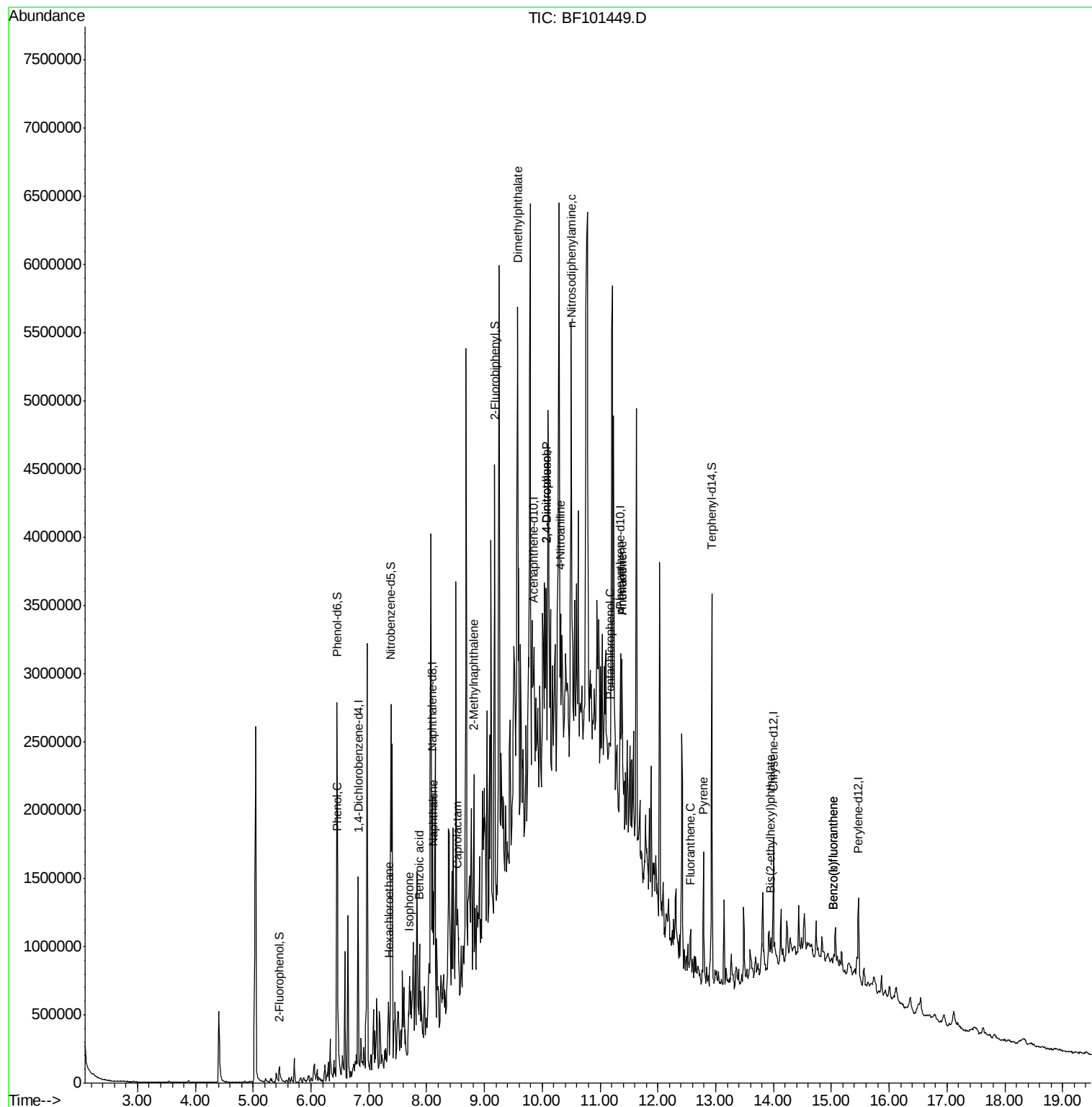
Target Compounds				Qvalue		
10) Phenol	6.46	94	50127	2.937	ng	84
18) Hexachloroethane	7.34	117	12535	2.472	ng	# 1
25) Isophorone	7.70	82	69713	2.851	ng	# 67
31) Naphthalene	8.12	128	255445	7.477	ng	98
32) Benzoic acid	7.88	122	273	7.995	ng	# 20
35) Caprolactam	8.54	113	8428	2.495	ng	# 1
37) 2-Methylnaphthalene	8.82	142	436384	19.606	ng	100
49) Dimethylphthalate	9.57	163	138262	6.269	ng	# 97
53) 2,4-Dinitrophenol	10.07	184	2874	11.924	ng	77
56) 2,4-Dinitrotoluene	10.06	165	12342	2.444	ng	# 59
61) 4-Nitroaniline	10.31	138	15751	2.804	ng	91
65) n-Nitrosodiphenylamine	10.52	169	143863	8.573	ng	# 39
69) Pentachlorophenol	11.17	266	1230	7.094	ng	# 39
70) Phenanthrene	11.38	178	296481	11.731	ng	99
71) Anthracene	11.38	178	296481	11.485	ng	99
74) Fluoranthene	12.57	202	95861	3.614	ng	96
77) Pyrene	12.80	202	87682	3.311	ng	98
83) Bis(2-ethylhexyl)phthalate	13.95	149	40969	2.699	ng	93
87) Benzo(b)fluoranthene	15.04	252	63286	3.236	ng	# 69
88) Benzo(k)fluoranthene	15.04	252	63286	3.328	ng	# 72

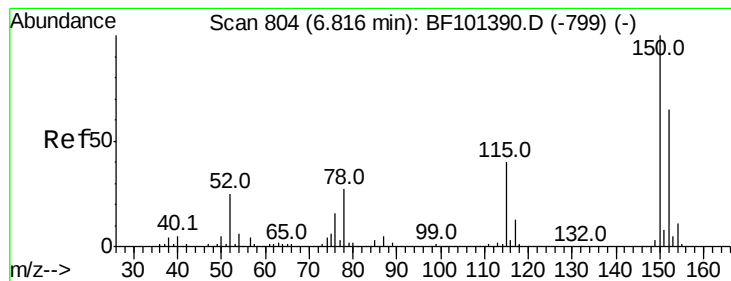
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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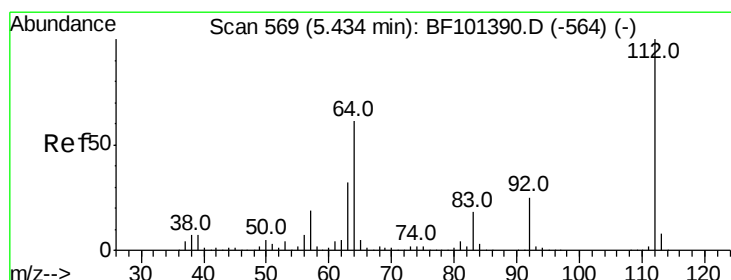
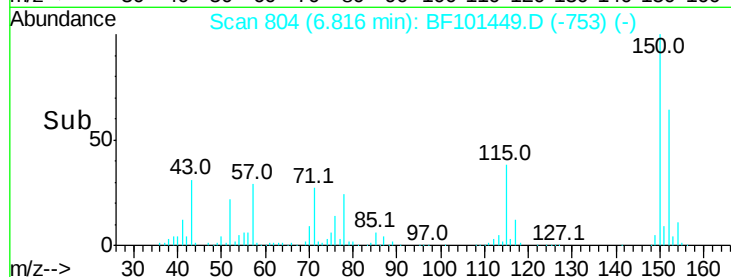
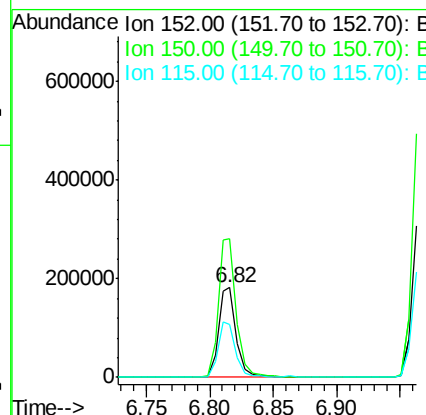
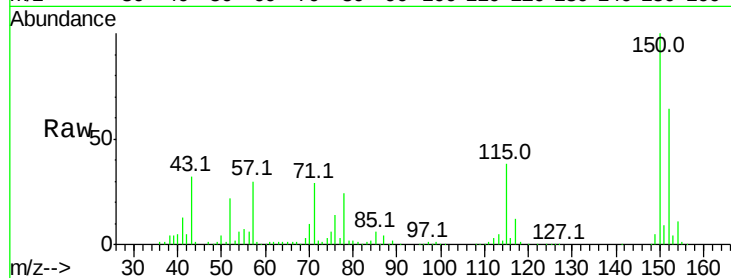


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF101449.D
Acq: 15 Dec 2017 18:06

Instrument :
BNA_F
ClientSampleId :

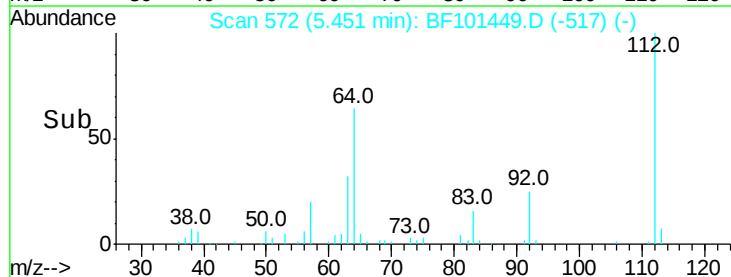
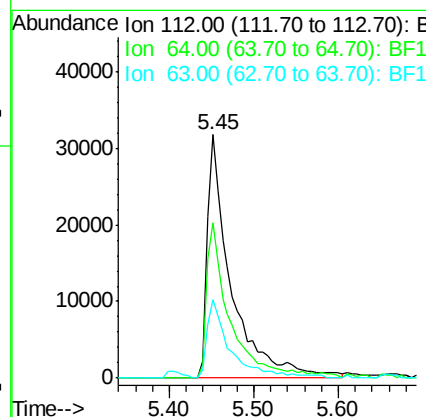
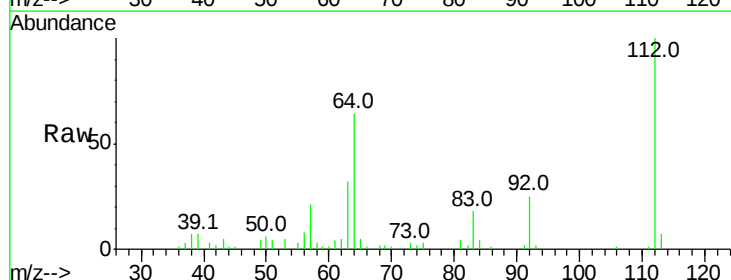
Tot Ion:152 Resp: 179216
Ion Ratio Lower Upper
152 100
150 155.4 124.6 186.8
115 58.4 50.1 75.1

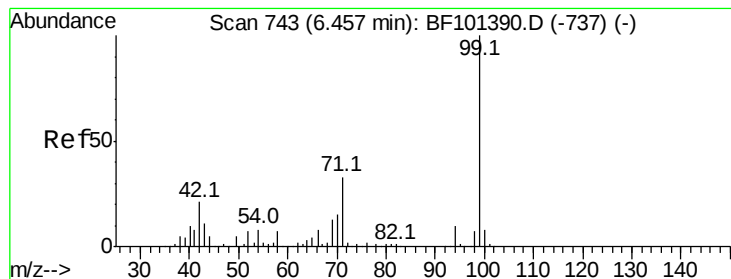


#5

2-Fluorophenol
Concen: 5.153 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.02 min
Lab File: BF101449.D
Acq: 15 Dec 2017 18:06

Tgt Ion:112 Resp: 62003
Ion Ratio Lower Upper
112 100
64 63.6 47.9 71.9
63 32.1 23.7 35.5





#7

Phenol-d6

Concen: 68.989 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF101449.D

Acq: 15 Dec 2017 18:06

Instrument :

BNA_F

ClientSampleId :

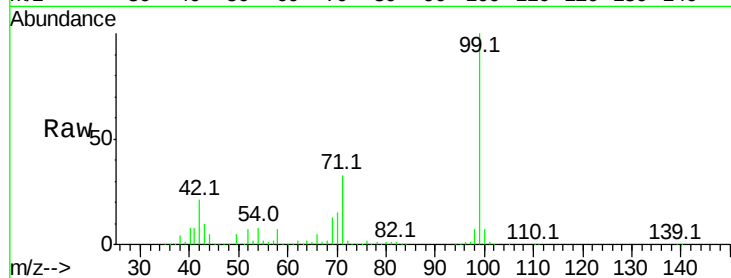
Tot Ion: 99 Resp: 1033010

Ion Ratio Lower Upper

99 100

42 20.7 14.5 21.7

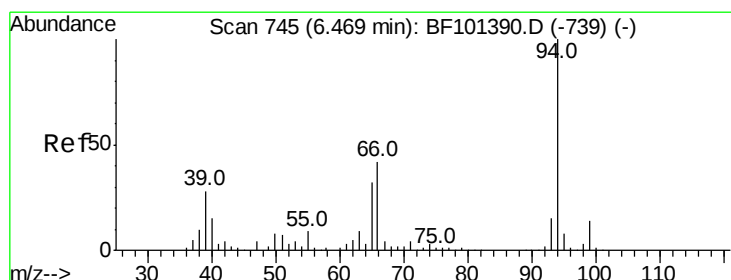
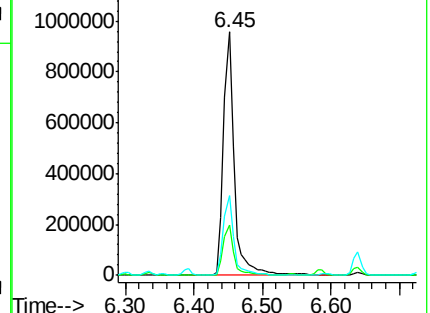
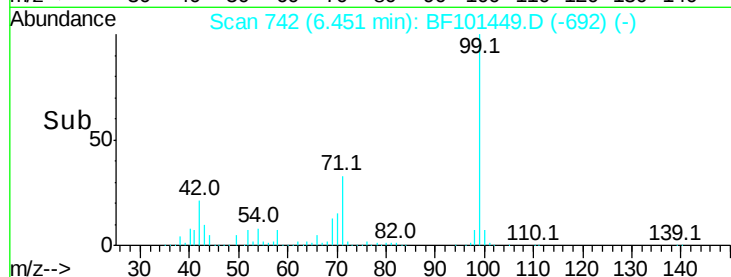
71 32.6 25.4 38.0



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



#10

Phenol

Concen: 2.937 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF101449.D

Acq: 15 Dec 2017 18:06

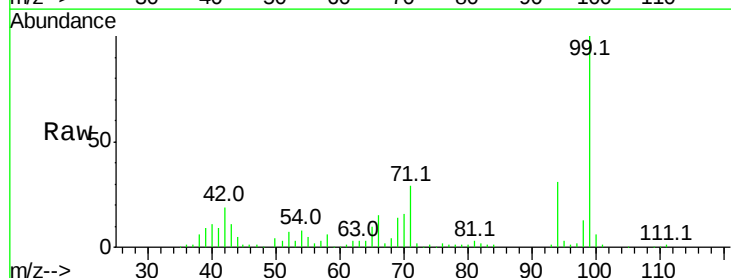
Tgt Ion: 94 Resp: 50127

Ion Ratio Lower Upper

94 100

65 31.7 7.9 47.9

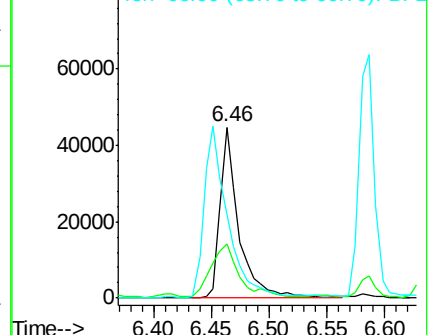
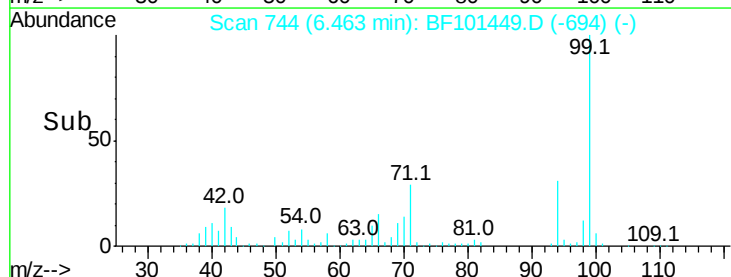
66 49.2 16.2 56.2

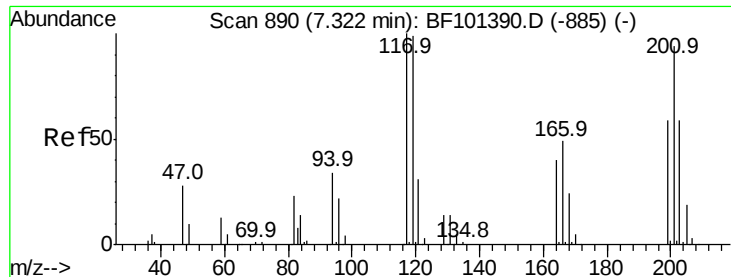


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

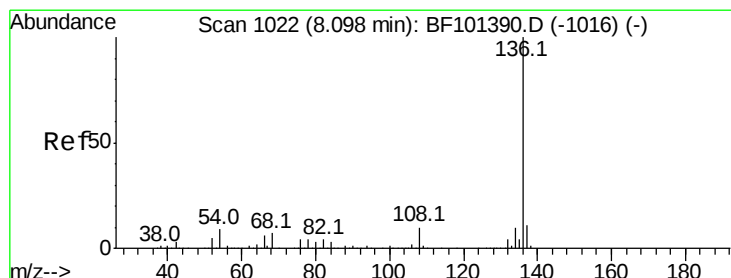
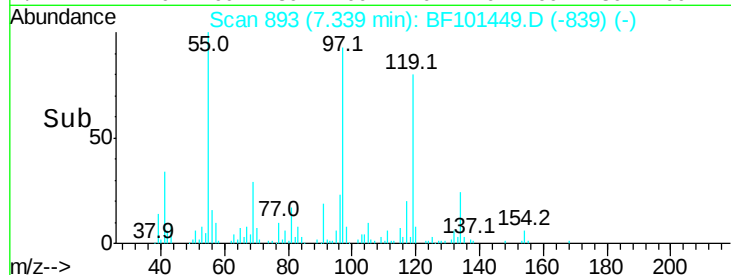
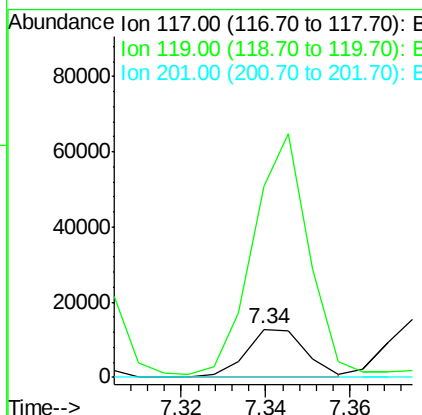
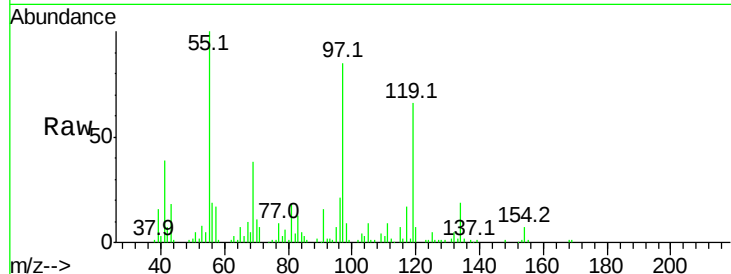




#18
Hexachloroethane
Concen: 2.472 ng
RT: 7.34 min Scan# 893
Delta R.T. 0.02 min
Lab File: BF101449.D
Acq: 15 Dec 2017 18:06

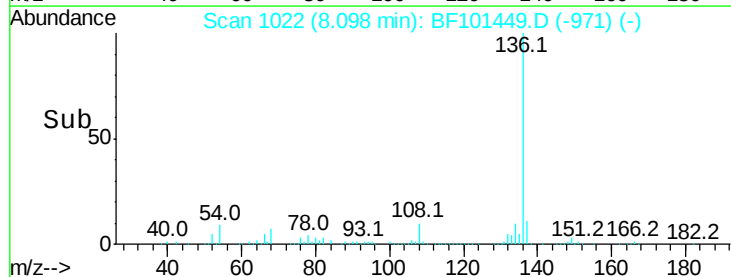
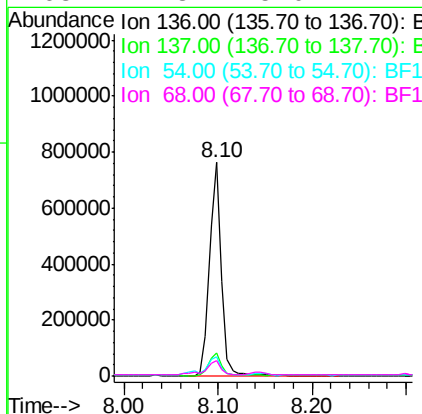
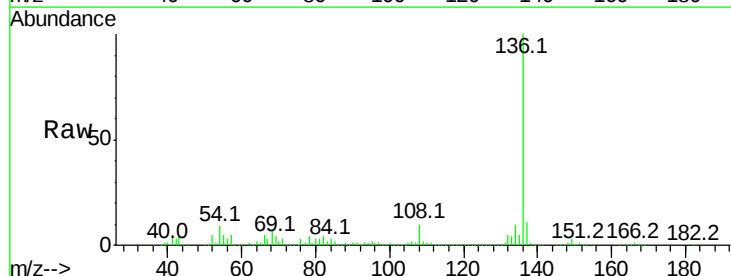
Instrument :
BNA_F
ClientSampleId :

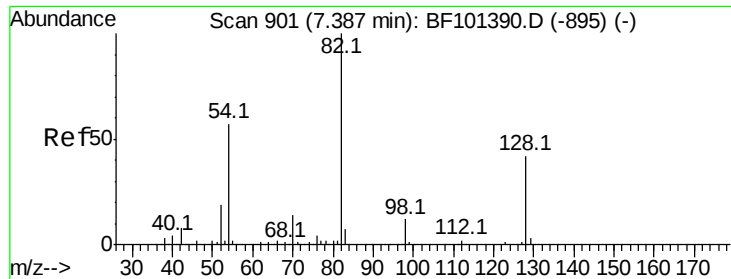
Tot Ion:117 Resp: 12535
Ion Ratio Lower Upper
117 100
119 399.2 75.8 113.8#
201 0.0 75.7 113.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BF101449.D
Acq: 15 Dec 2017 18:06

Tgt Ion:136 Resp: 678587
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.2 6.6 9.8
68 7.3 5.0 7.4

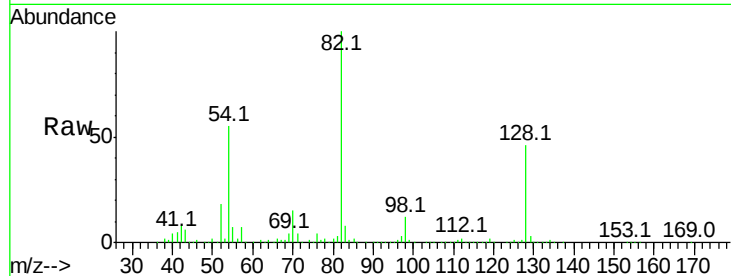




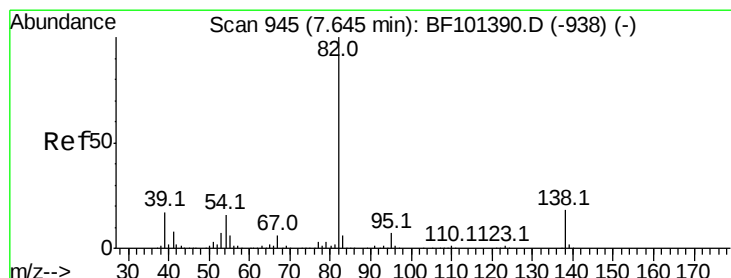
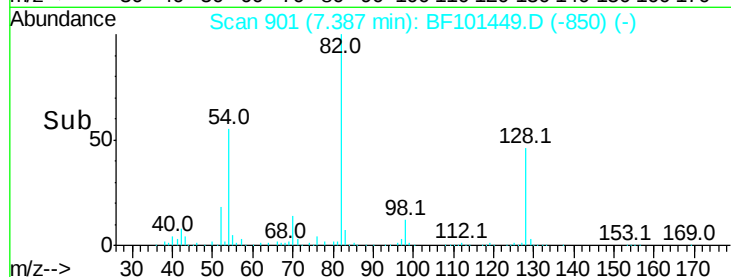
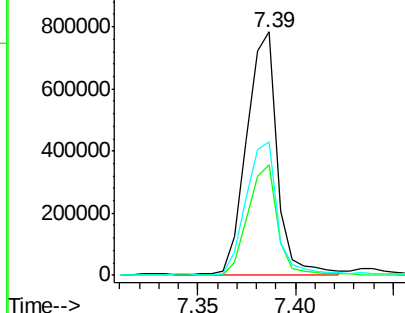
#23
Nitrobenzene-d5
Concen: 69.383 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF101449.D
Acq: 15 Dec 2017 18:06

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	845801
Ion Ratio	Lower	Upper	
82	100		
128	45.6	36.1	54.1
54	55.0	41.4	62.2

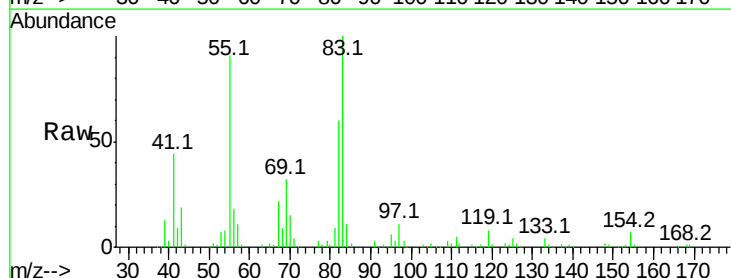


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

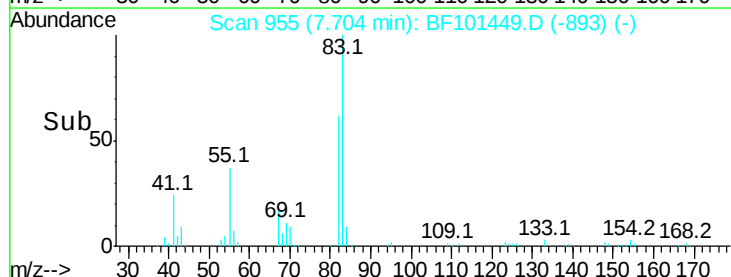
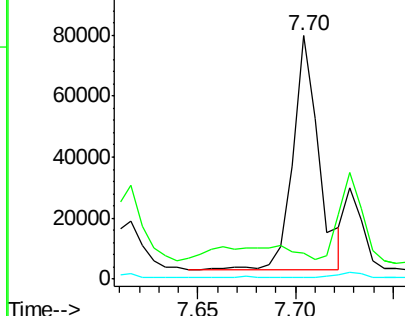


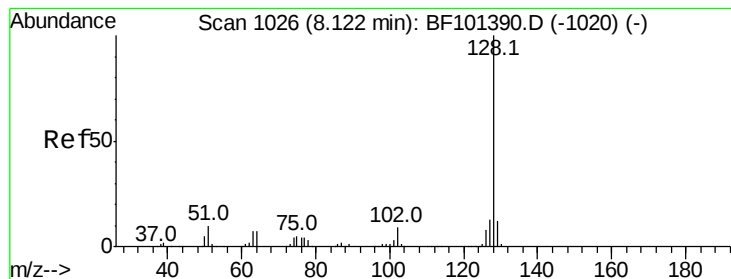
#25
Isophorone
Concen: 2.851 ng
RT: 7.70 min Scan# 955
Delta R.T. 0.06 min
Lab File: BF101449.D
Acq: 15 Dec 2017 18:06

Tgt Ion	82	Resp	69713
Ion Ratio	Lower	Upper	
82	100		
95	10.9	5.2	7.8#
138	0.7	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 7.477 ng

RT: 8.12 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BF101449.D

Acq: 15 Dec 2017 18:06

Instrument :

BNA_F

ClientSampleId :

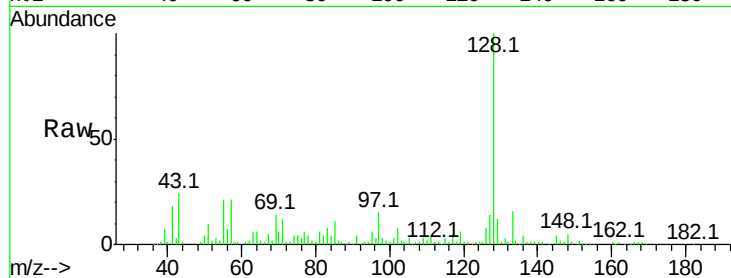
Tot Ion:128 Resp: 255445

Ion Ratio Lower Upper

128 100

129 11.7 8.8 13.2

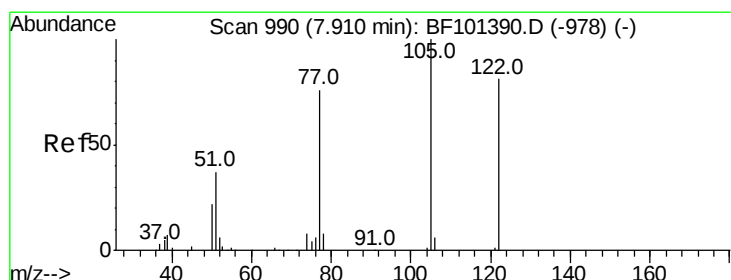
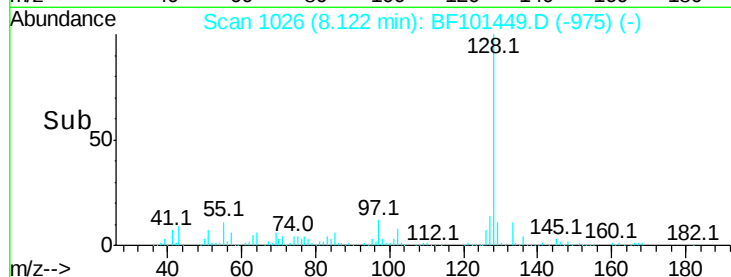
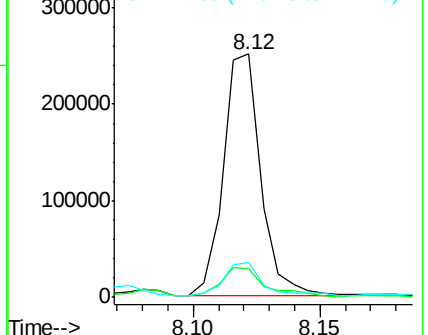
127 14.4 10.9 16.3



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



#32

Benzoic acid

Concen: 7.995 ng

RT: 7.88 min Scan# 985

Delta R.T. -0.03 min

Lab File: BF101449.D

Acq: 15 Dec 2017 18:06

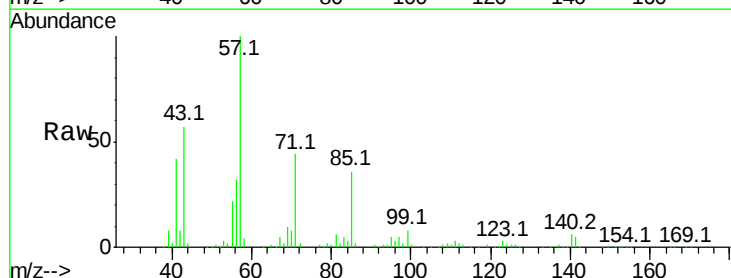
Tgt Ion:122 Resp: 273

Ion Ratio Lower Upper

122 100

105 92.9 101.1 141.1#

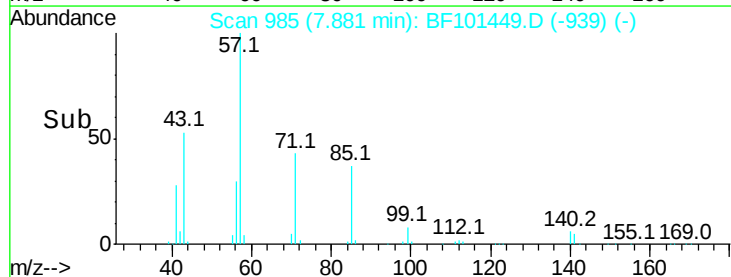
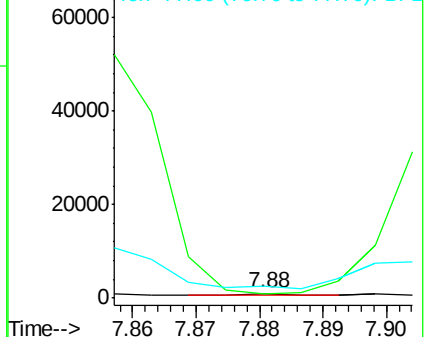
77 235.4 70.7 110.7#

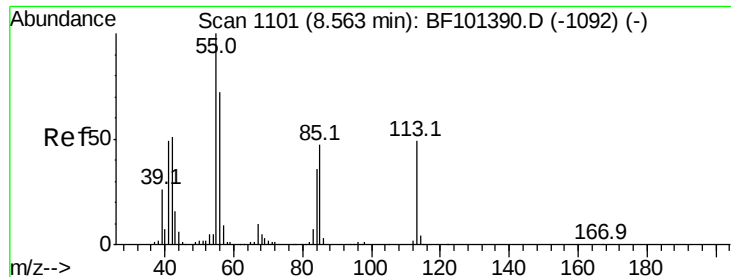


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#35

Caprolactam

Concen: 2.495 ng

RT: 8.54 min Scan# 1097

Delta R.T. -0.02 min

Lab File: BF101449.D

Acq: 15 Dec 2017 18:06

Instrument :

BNA_F

ClientSampled :

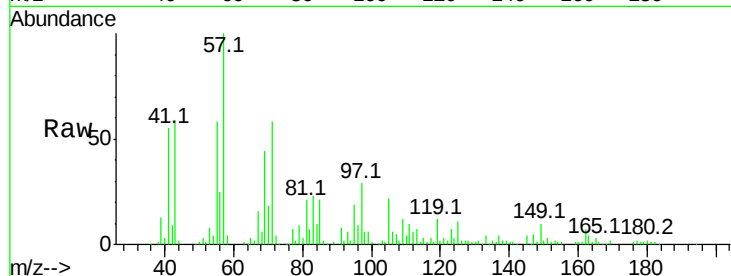
Tot Ion:113 Resp: 8428

Ion Ratio Lower Upper

113 100

55 838.8 163.3 203.3#

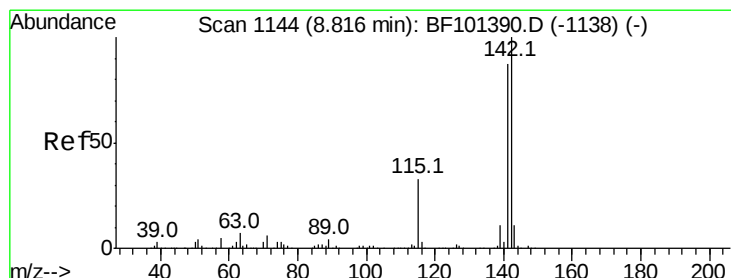
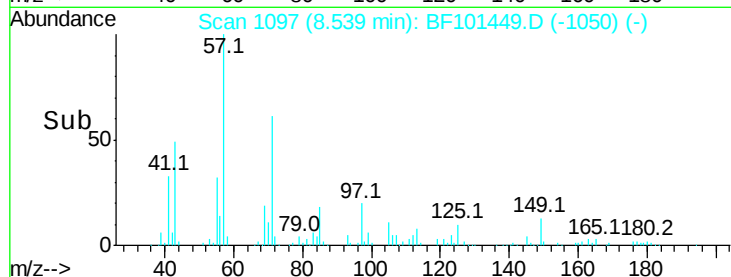
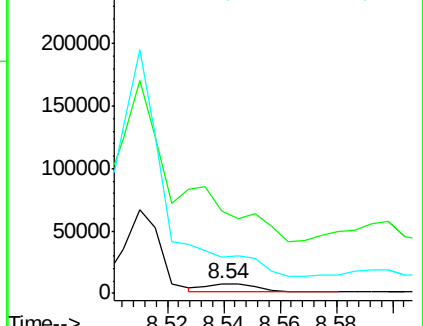
56 362.4 115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#37

2-Methylnaphthalene

Concen: 19.606 ng

RT: 8.82 min Scan# 1144

Delta R.T. 0.01 min

Lab File: BF101449.D

Acq: 15 Dec 2017 18:06

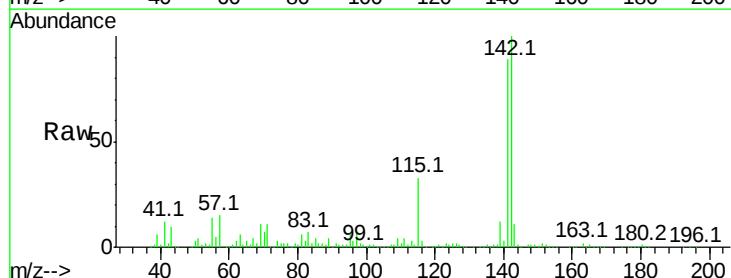
Tgt Ion:142 Resp: 436384

Ion Ratio Lower Upper

142 100

141 89.0 70.8 106.2

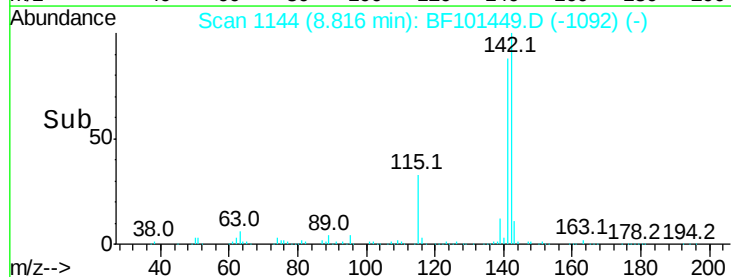
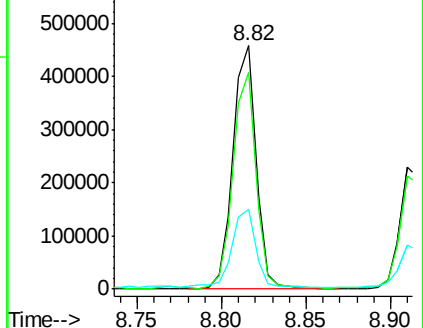
115 32.7 26.1 39.1

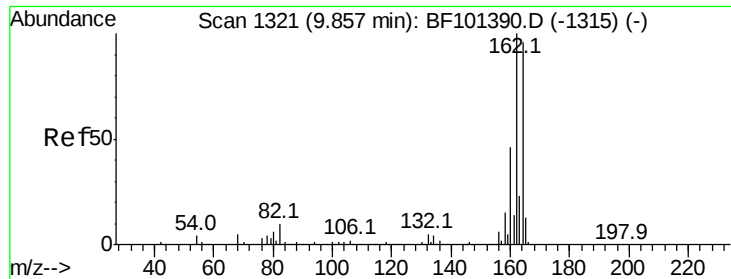


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

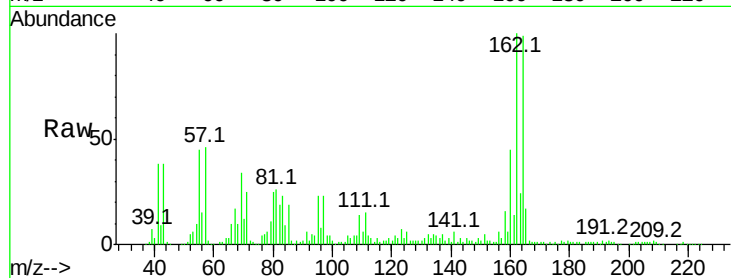




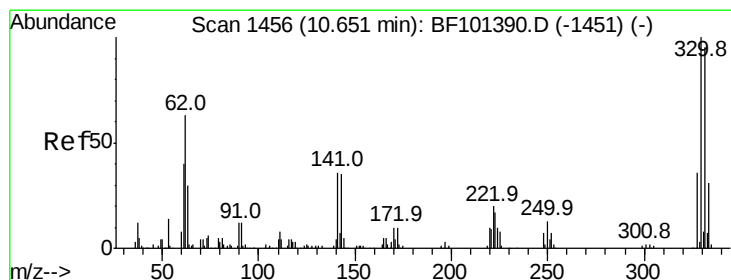
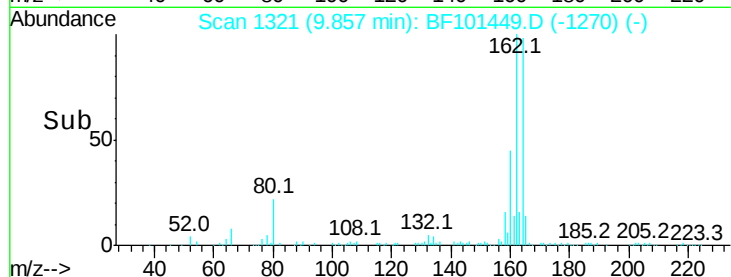
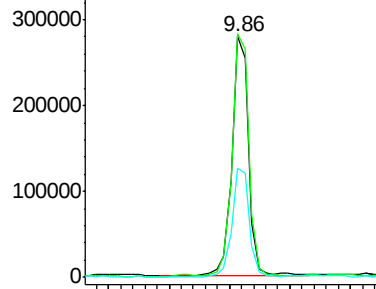
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. 0.00 min
Lab File: BF101449.D
Acq: 15 Dec 2017 18:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 274172
Ion Ratio Lower Upper
164 100
162 101.2 86.1 129.1
160 45.6 38.3 57.5

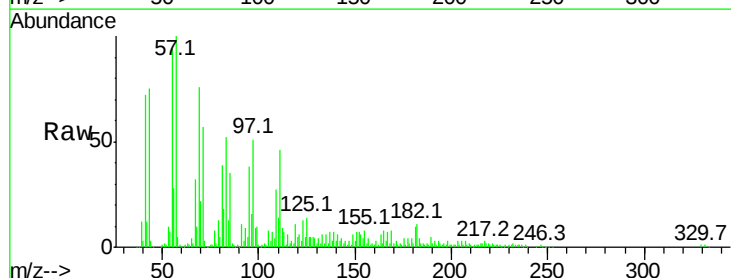


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

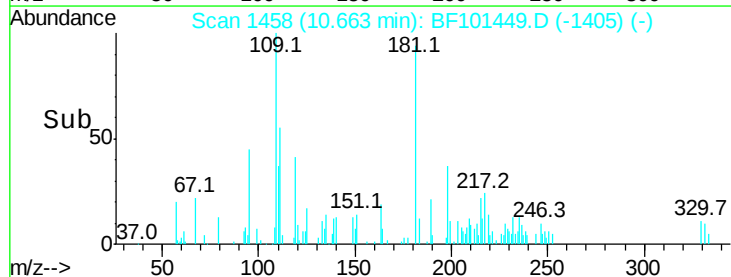
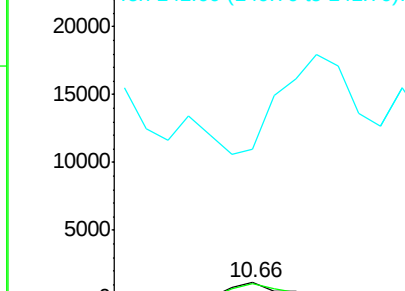


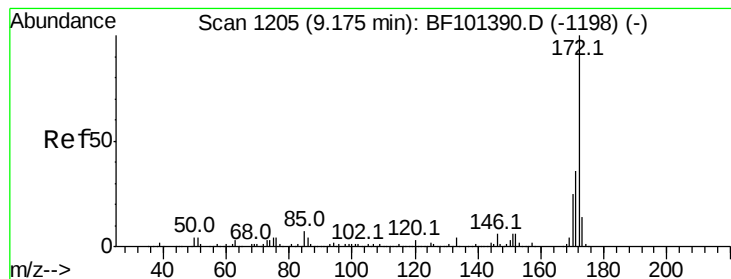
#41
2,4,6-Tribromophenol
Concen: 0.390 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.01 min
Lab File: BF101449.D
Acq: 15 Dec 2017 18:06

Tgt Ion:330 Resp: 1030
Ion Ratio Lower Upper
330 100
332 99.0 77.0 115.6
141 1012.1 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: 77.794 ng

RT: 9.17 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BF101449.D

Acq: 15 Dec 2017 18:06

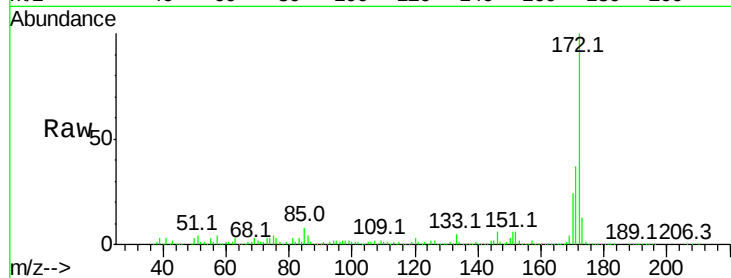
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1374960

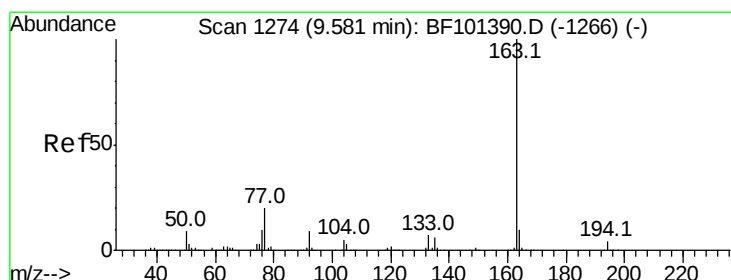
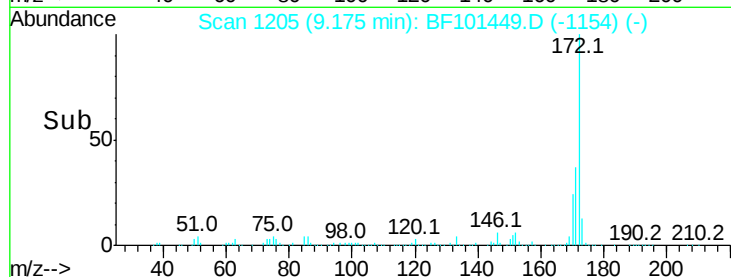
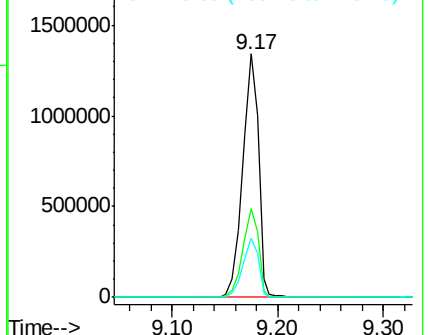
Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.2	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 6.269 ng

RT: 9.57 min Scan# 1272

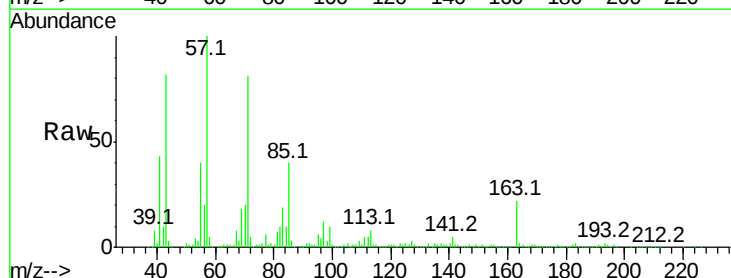
Delta R.T. -0.01 min

Lab File: BF101449.D

Acq: 15 Dec 2017 18:06

Tgt Ion:163 Resp: 138262

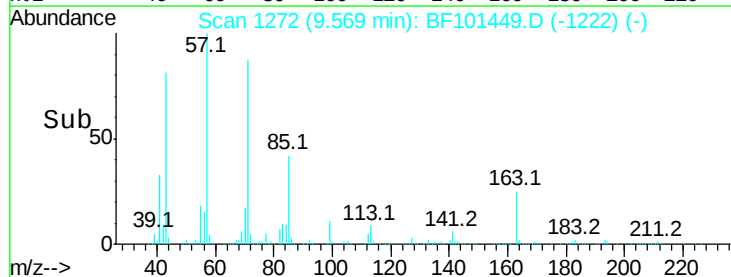
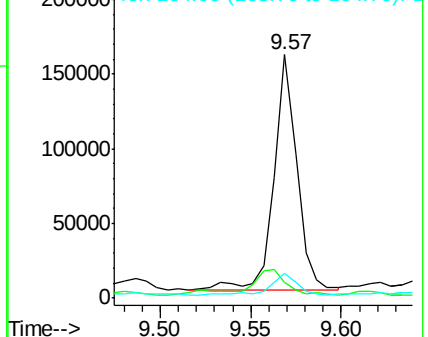
Ion	Ratio	Lower	Upper
163	100		
194	6.5	2.7	4.1#
164	10.1	8.2	12.2

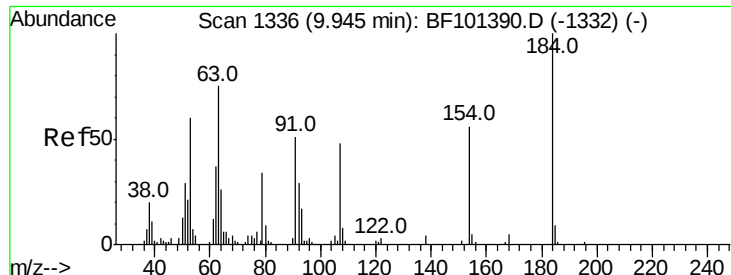


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

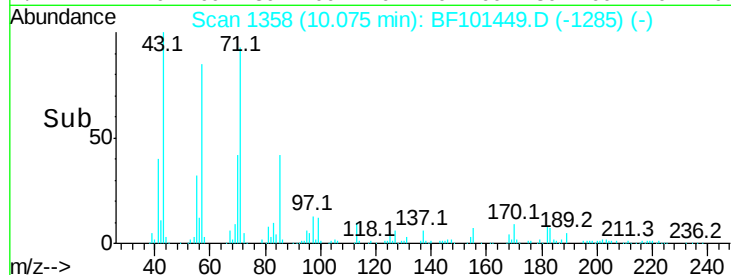
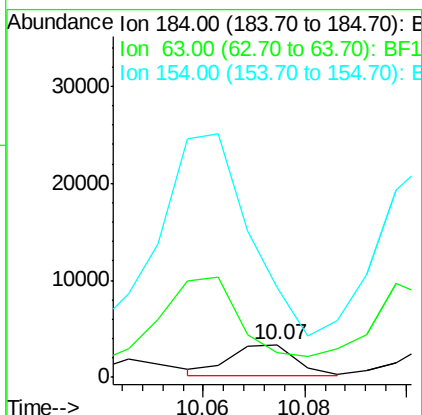
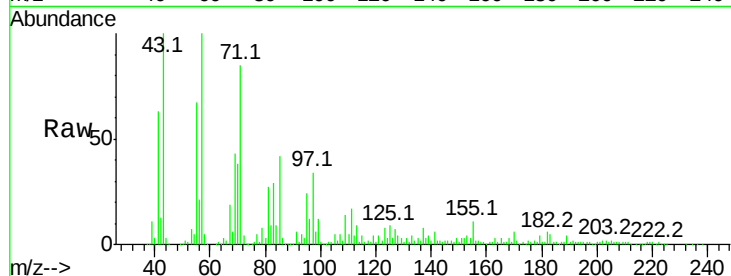




#53
 2,4-Dinitrophenol
 Concen: 11.924 ng
 RT: 10.07 min Scan# 1358
 Delta R.T. 0.13 min
 Lab File: BF101449.D
 Acq: 15 Dec 2017 18:06

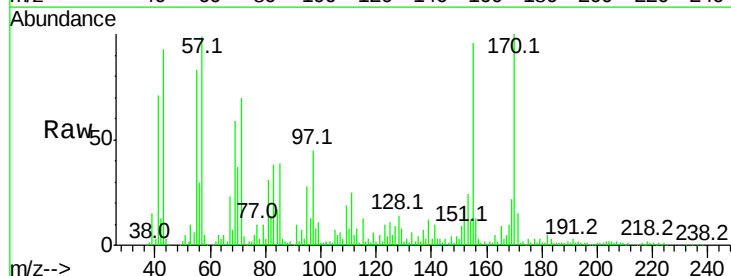
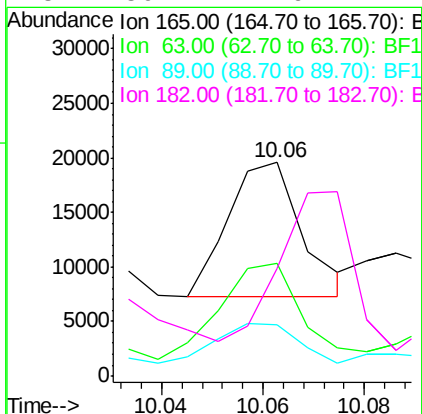
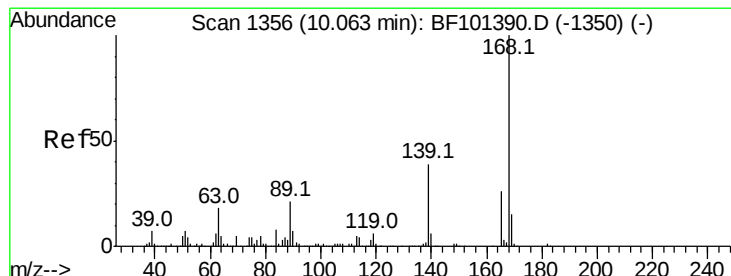
Instrument :
 BNA_F
 ClientSampleId :

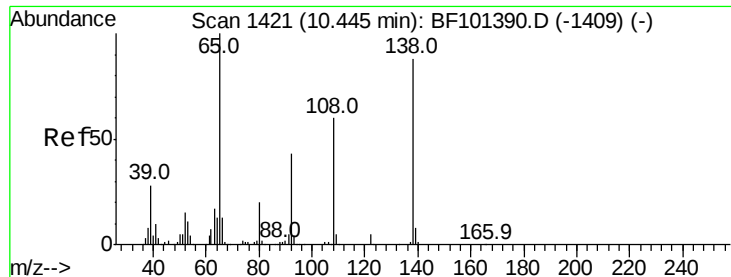
Tot Ion:184 Resp: 2874
 Ion Ratio Lower Upper
 184 100
 63 76.0 54.2 81.2
 154 273.3 184.0 276.0



#56
 2,4-Dinitrotoluene
 Concen: 2.444 ng
 RT: 10.06 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: BF101449.D
 Acq: 15 Dec 2017 18:06

Tgt Ion:165 Resp: 12342
 Ion Ratio Lower Upper
 165 100
 63 53.0 36.4 54.6
 89 24.2 57.8 86.6#
 182 50.4 1.6 2.4#

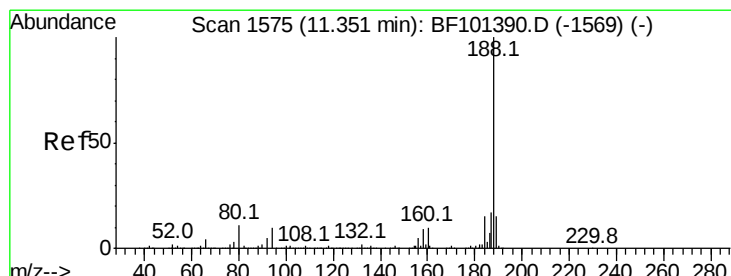
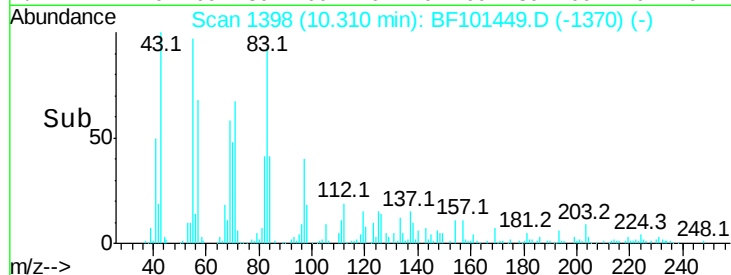
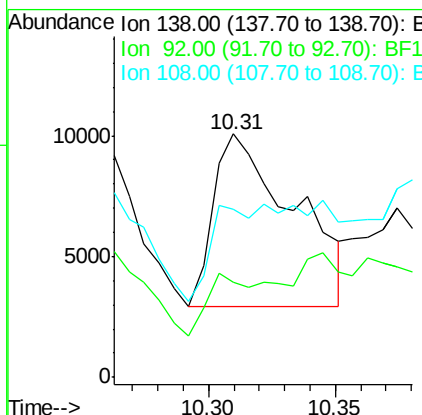
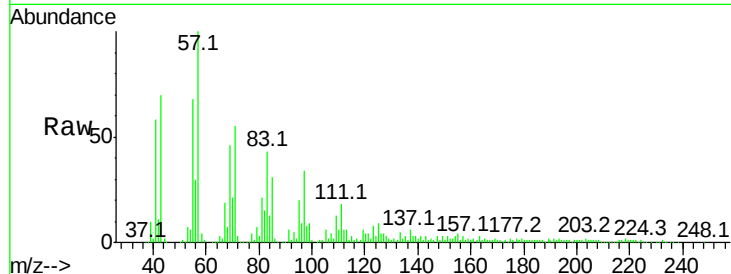




#61
4-Nitroaniline
Concen: 2.804 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.14 min
Lab File: BF101449.D
Acq: 15 Dec 2017 18:06

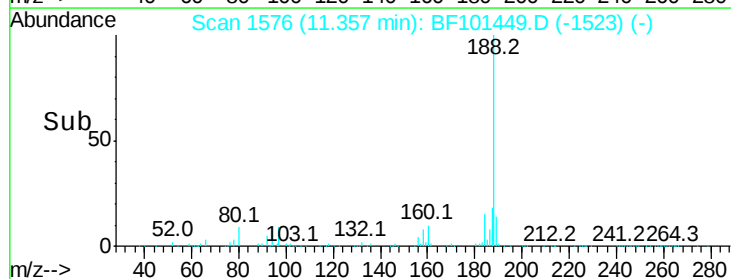
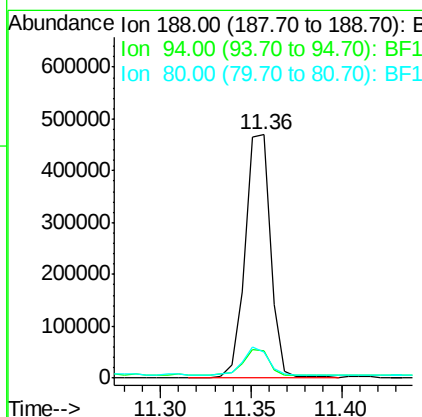
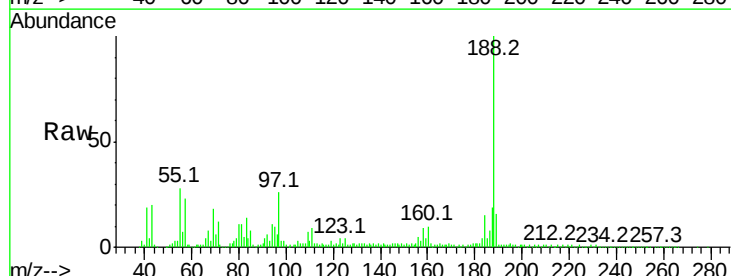
Instrument :
BNA_F
ClientSampleId :

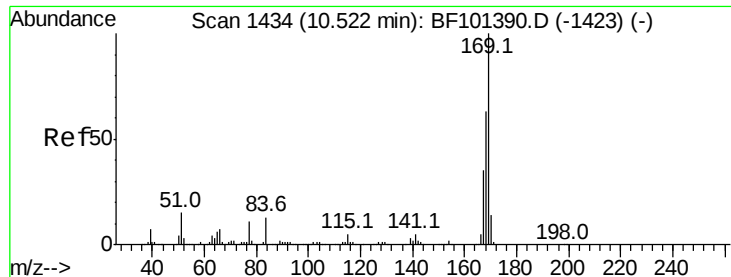
Tot Ion:138 Resp: 15751
Ion Ratio Lower Upper
138 100
92 38.9 30.2 70.2
108 69.3 52.5 92.5



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.01 min
Lab File: BF101449.D
Acq: 15 Dec 2017 18:06

Tgt Ion:188 Resp: 454445
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 10.9 9.2 13.8





#65

n-Nitrosodiphenylamine

Concen: 8.573 ng

RT: 10.52 min Scan# 1433

Delta R.T. 0.00 min

Lab File: BF101449.D

Acq: 15 Dec 2017 18:06

Instrument :

BNA_F

ClientSampleId :

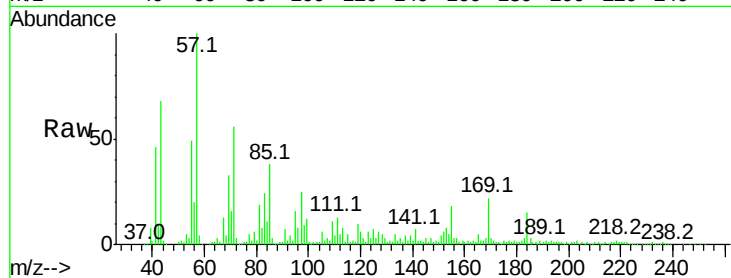
Tot Ion:169 Resp: 143863

Ion Ratio Lower Upper

169 100

168 12.3 54.4 81.6#

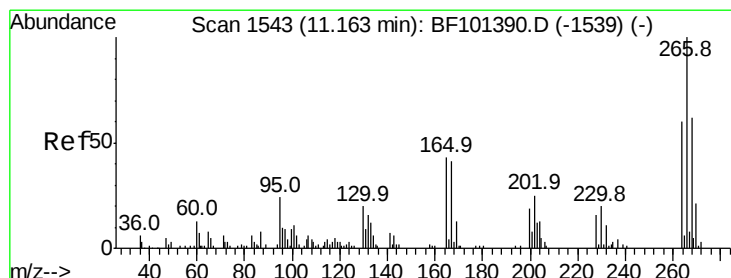
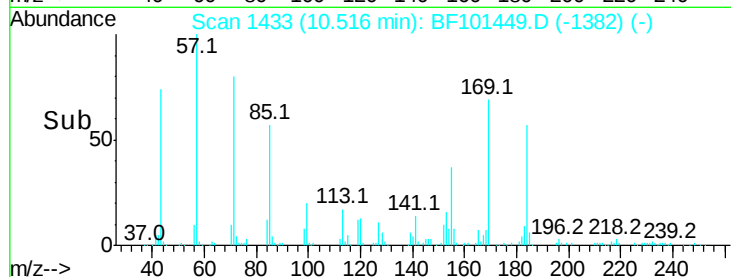
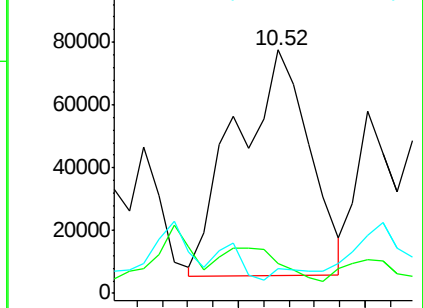
167 10.0 29.8 44.6#



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



#69

Pentachlorophenol

Concen: 7.094 ng

RT: 11.17 min Scan# 1545

Delta R.T. 0.01 min

Lab File: BF101449.D

Acq: 15 Dec 2017 18:06

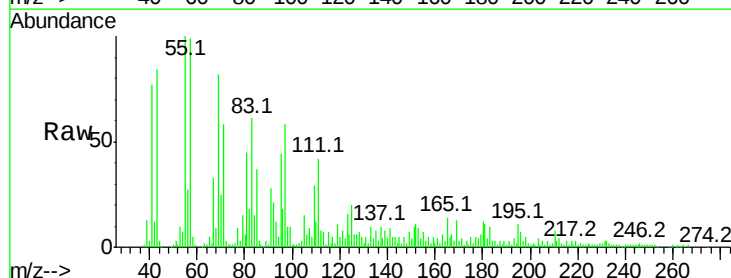
Tgt Ion:266 Resp: 1230

Ion Ratio Lower Upper

266 100

268 0.0 51.1 76.7#

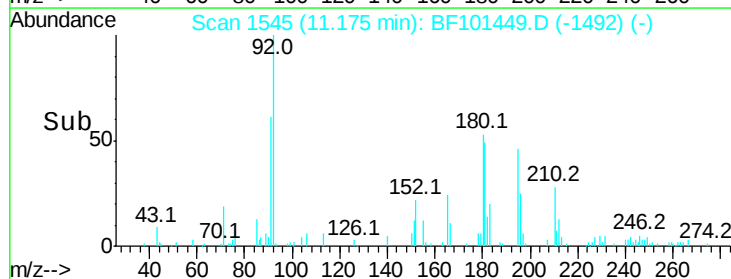
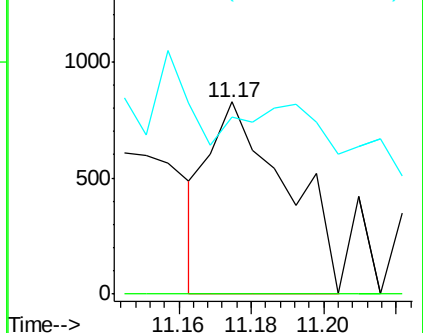
264 92.6 49.5 74.3#

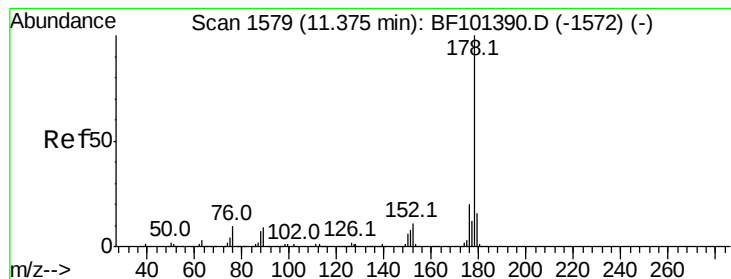


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 11.731 ng

RT: 11.38 min Scan# 1580

Delta R.T. 0.01 min

Lab File: BF101449.D

Acq: 15 Dec 2017 18:06

Instrument :

BNA_F

ClientSampleId :

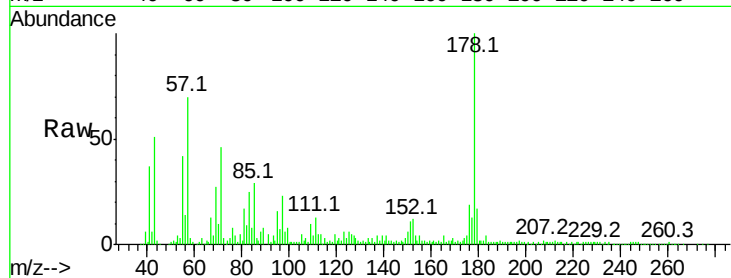
Tot Ion:178 Resp: 296481

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

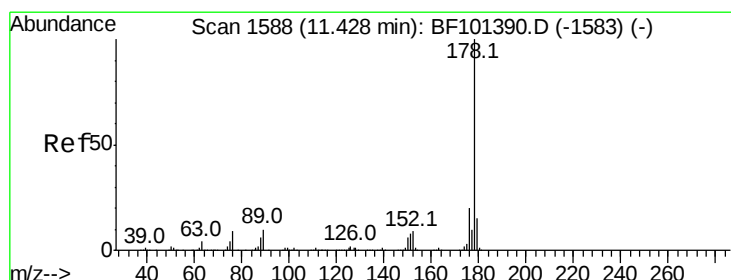
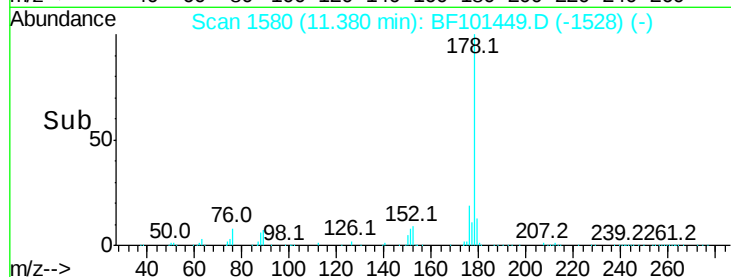
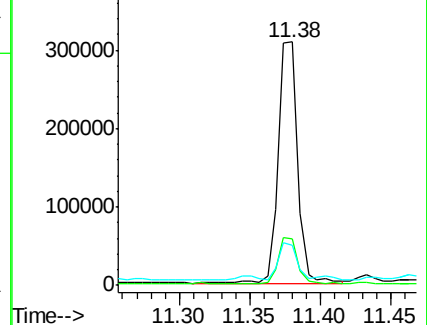
179 16.6 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 11.485 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.05 min

Lab File: BF101449.D

Acq: 15 Dec 2017 18:06

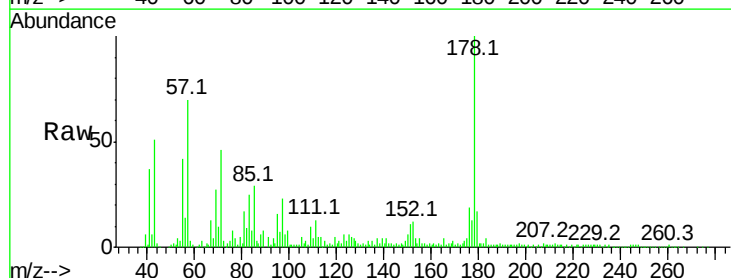
Tgt Ion:178 Resp: 296481

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

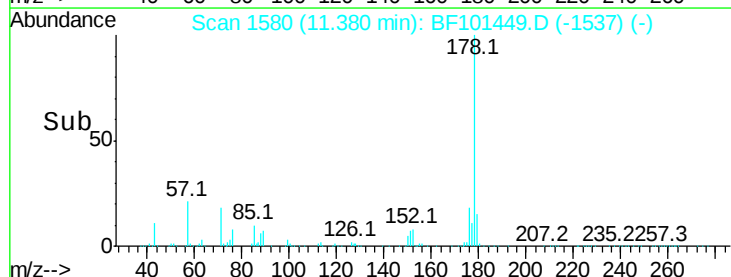
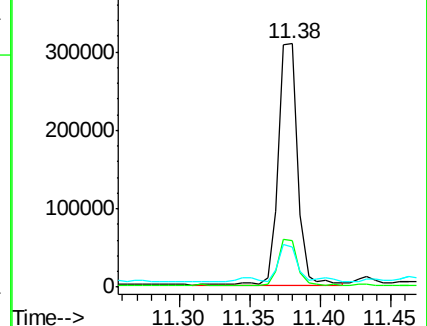
179 16.6 12.6 19.0

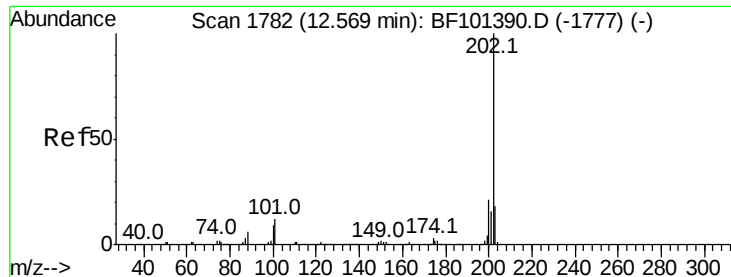


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.614 ng

RT: 12.57 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BF101449.D

Acq: 15 Dec 2017 18:06

Instrument :

BNA_F

ClientSampled :

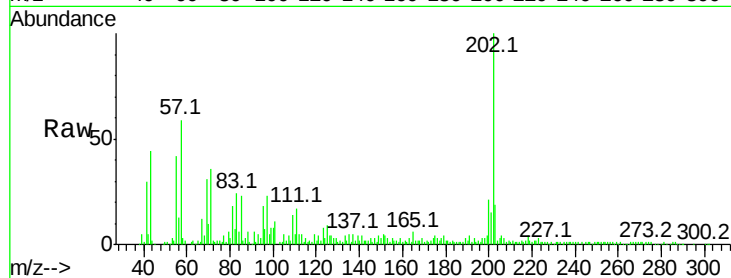
Tot Ion:202 Resp: 95861

Ion Ratio Lower Upper

202 100

101 11.4 0.0 34.1

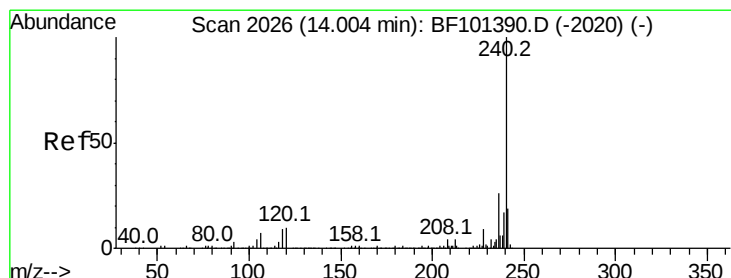
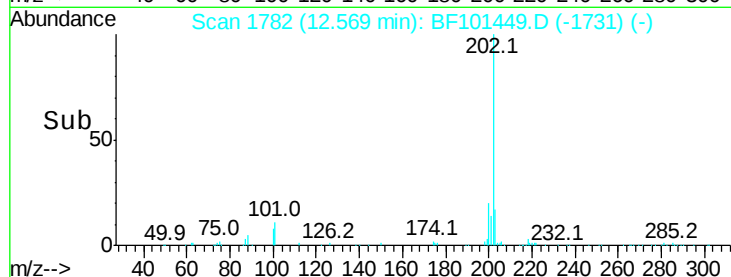
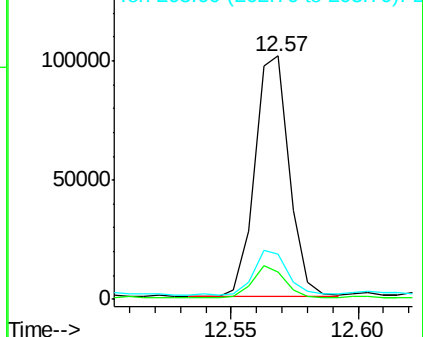
203 18.7 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF101449.D

Acq: 15 Dec 2017 18:06

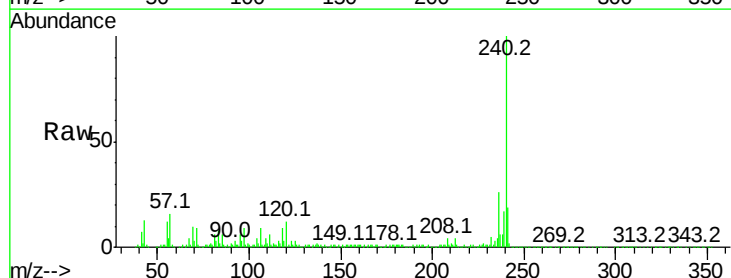
Tgt Ion:240 Resp: 352902

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

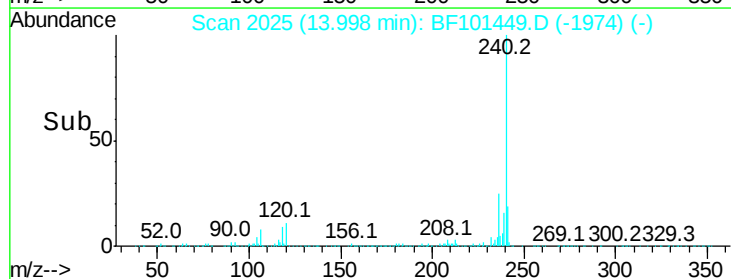
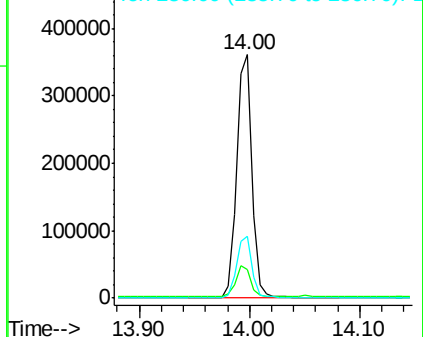
236 25.5 20.7 31.1

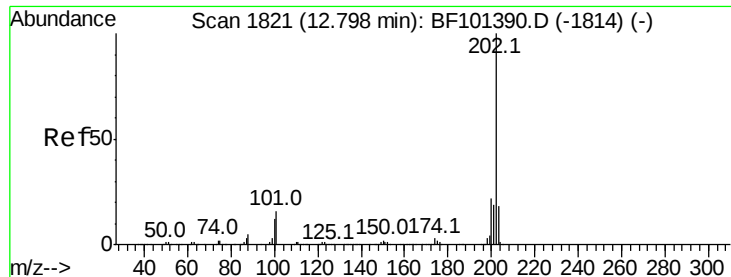


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

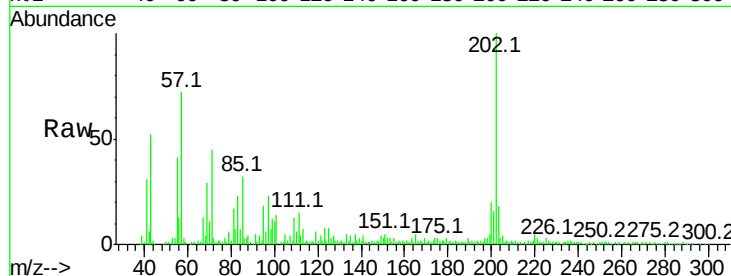




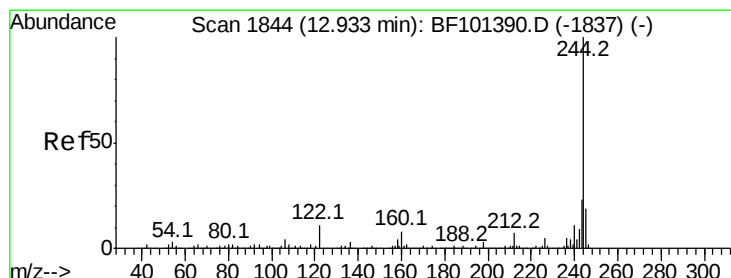
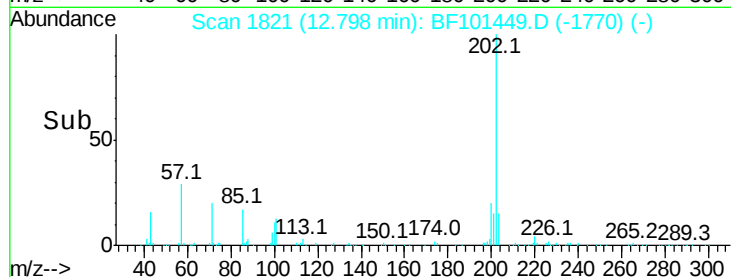
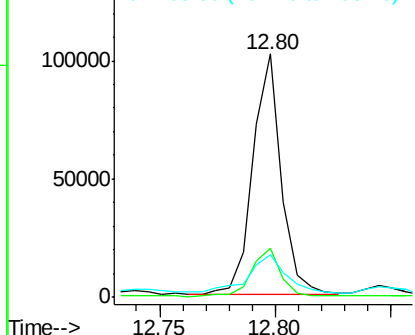
#77
Pvrene
Concen: 3.311 ng
RT: 12.80 min Scan# 1821
Delta R.T. 0.00 min
Lab File: BF101449.D
Acq: 15 Dec 2017 18:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 87682
Ion Ratio Lower Upper
202 100
200 20.1 17.4 26.2
203 17.7 14.3 21.5

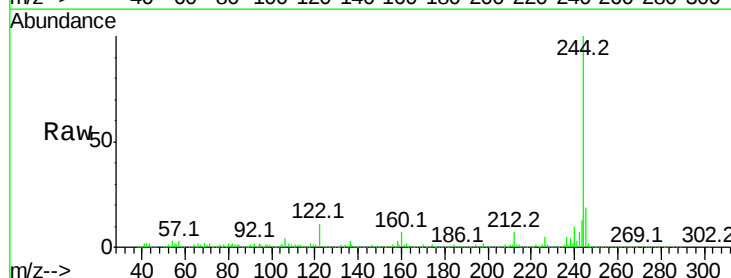


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

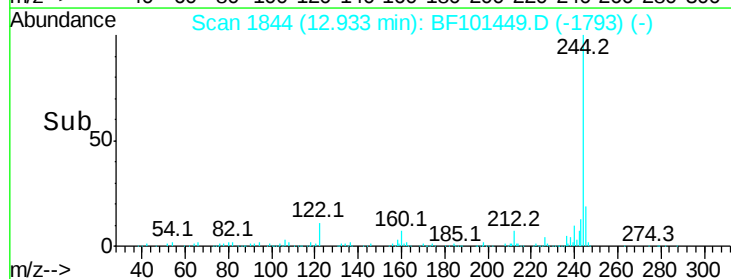
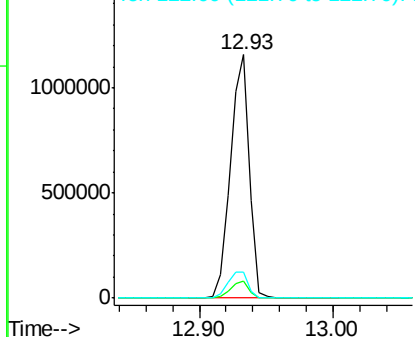


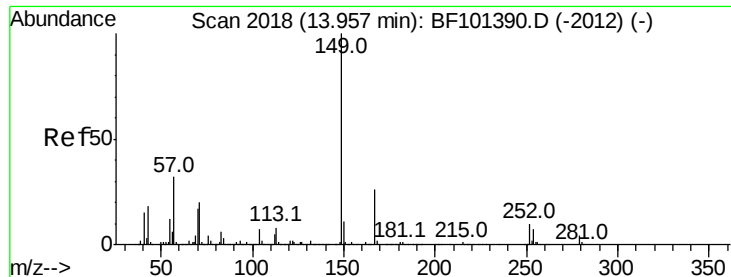
#78
Terphenyl-d14
Concen: 78.595 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BF101449.D
Acq: 15 Dec 2017 18:06

Tgt Ion:244 Resp: 1150514
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 10.9 11.0 16.4#



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

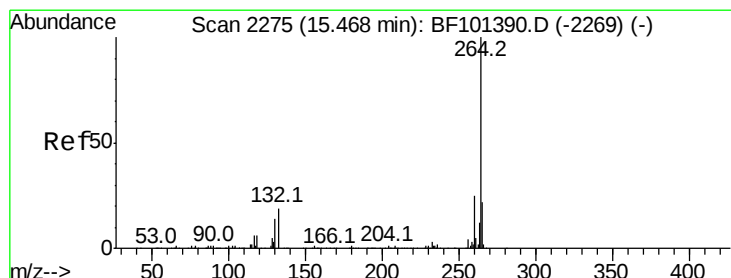
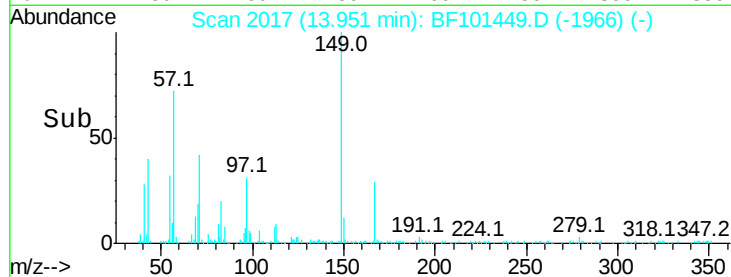
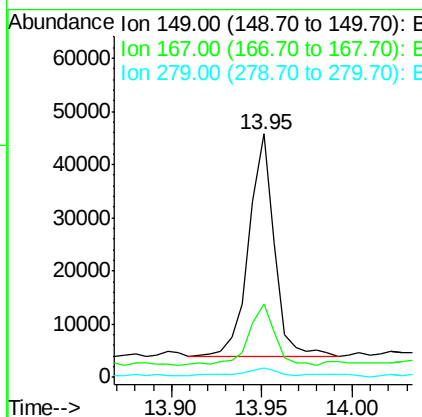
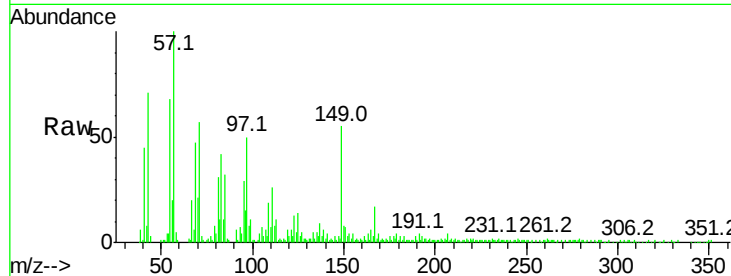




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.699 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: BF101449.D
 Acq: 15 Dec 2017 18:06

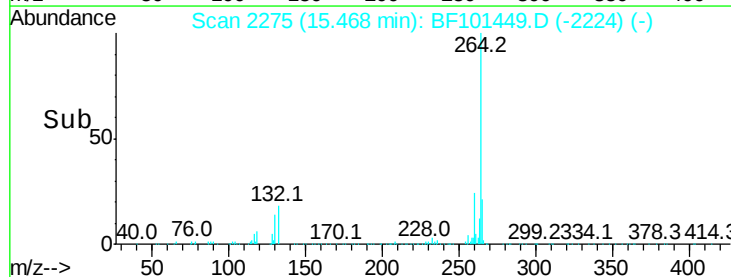
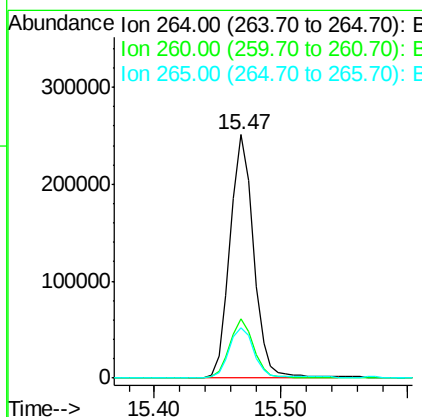
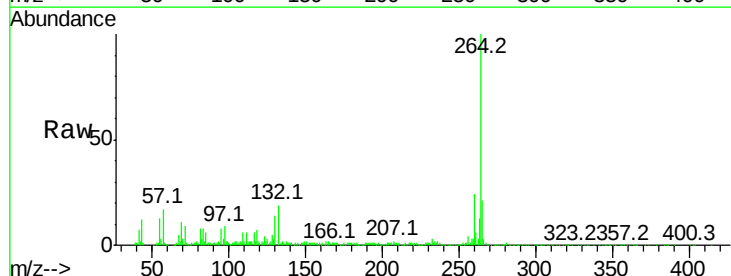
Instrument :
 BNA_F
 ClientSampleId :

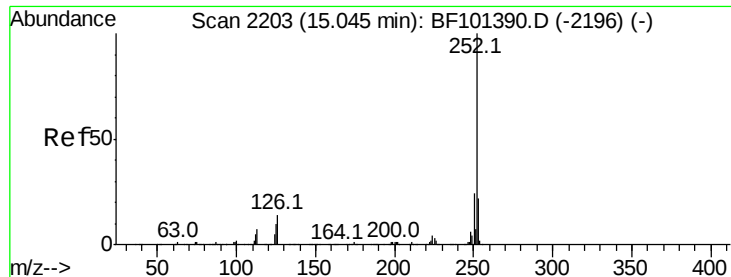
Tot Ion	Ratio	Lower	Upper
149	100		
167	30.4	21.3	31.9
279	3.9	3.0	4.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. 0.00 min
 Lab File: BF101449.D
 Acq: 15 Dec 2017 18:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	20.8	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 3.236 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BF101449.D

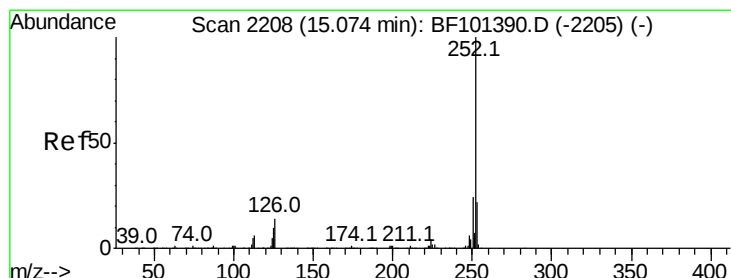
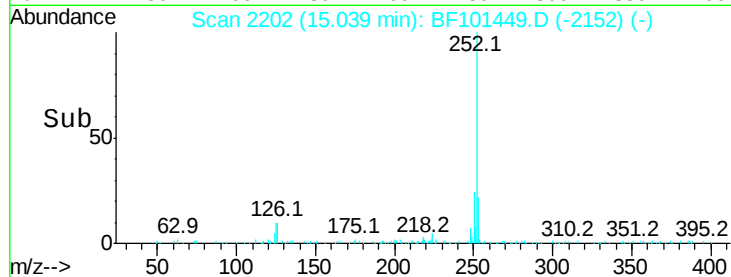
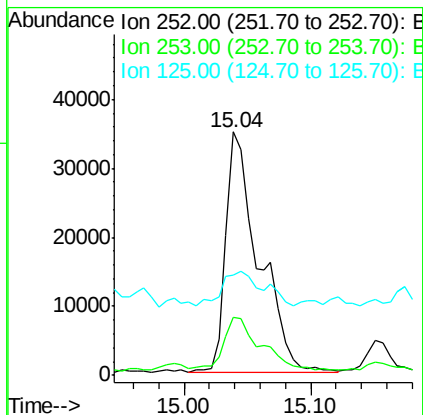
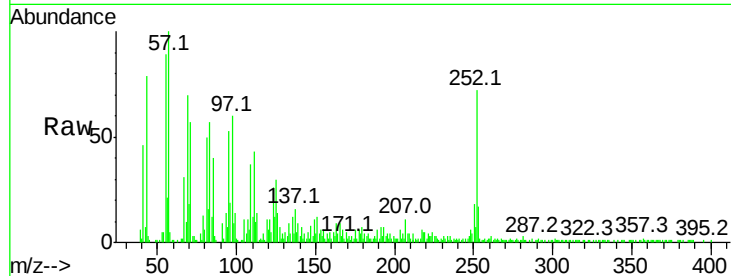
Acq: 15 Dec 2017 18:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	63286
Ion Ratio	Lower	Upper
252	100	
253	24.1	17.0 25.6
125	41.0	9.0 13.6#



#88

Benzo(k)fluoranthene

Concen: 3.328 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.04 min

Lab File: BF101449.D

Acq: 15 Dec 2017 18:06

Tgt Ion:252	Resp:	63286
Ion Ratio	Lower	Upper
252	100	
253	24.1	17.9 26.9
125	41.0	10.2 15.2#

