

Data Path : U:\HPCHEM1\BNA F\DATA\BF013118\
 Data File : BF102672.D
 Acq On : 31 Jan 2018 23:13
 Operator : SJ/JU
 Sample : J1383-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

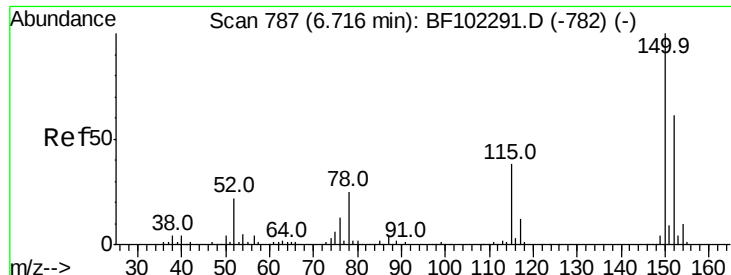
Quant Time: Feb 01 00:03:44 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 18:38:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	129352	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	477129	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	172313	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	277722	20.00	ng	0.00
75) Chrysene-d12	13.87	240	262097	20.00	ng	0.00
86) Perylene-d12	15.30	264	176283	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	951808	111.57	ng	0.03
7) Phenol-d6	6.37	99	1098097	106.77	ng	0.02
23) Nitrobenzene-d5	7.28	82	645711	77.77	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	157456	92.22	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	882204	75.28	ng	0.00
78) Terphenyl-d14	12.82	244	688925	59.26	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.49	77	19615	2.752	ng	82
10) Phenol	6.39	94	49596	4.417	ng	85
19) n-Nitroso-di-n-propylamine	7.28	70	86717	13.778	ng	# 79
25) Isophorone	7.28	82	645707	43.624	ng	# 64
49) Dimethylphthalate	9.46	163	122726	8.617	ng	100
66) 4-Bromophenyl-phenylether	10.54	248	10879	3.639	ng	# 1
70) Phenanthrene	11.26	178	125644	7.764	ng	97
74) Fluoranthene	12.44	202	168866	10.232	ng	100
77) Pyrene	12.67	202	170499	8.414	ng	99
80) Benzo(a)anthracene	13.86	228	75576	4.684	ng	97
82) Chrysene	13.90	228	75324	4.597	ng	98
87) Benzo(b)fluoranthene	14.90	252	84511	7.397	ng	# 86
88) Benzo(k)fluoranthene	14.90	252	84511	7.829	ng	# 89
89) Benzo(a)pyrene	15.24	252	40699	3.950	ng	# 80
91) Benzo(a,h,i)perylene	17.13	276	20343	2.468	ng	# 77

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

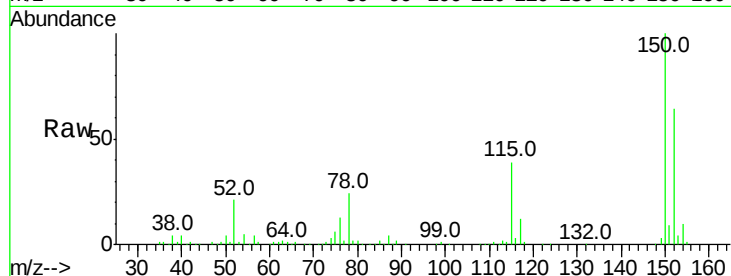


#1

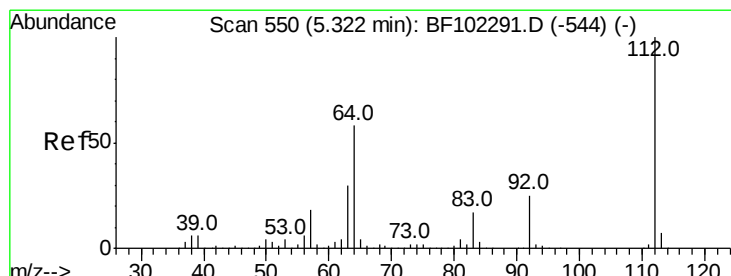
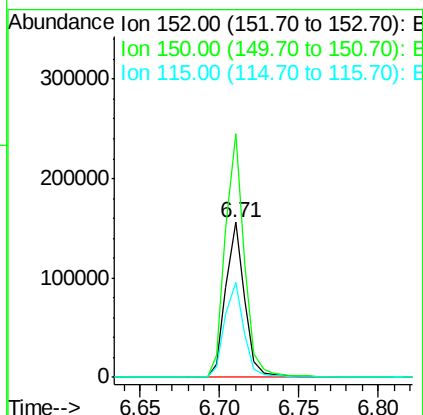
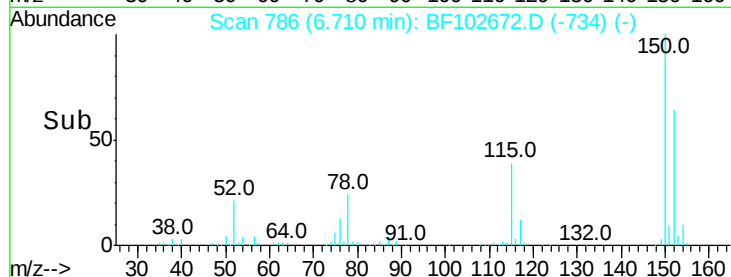
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.01 min
Lab File: BF102672.D
Acq: 31 Jan 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	61.3	50.1	75.1



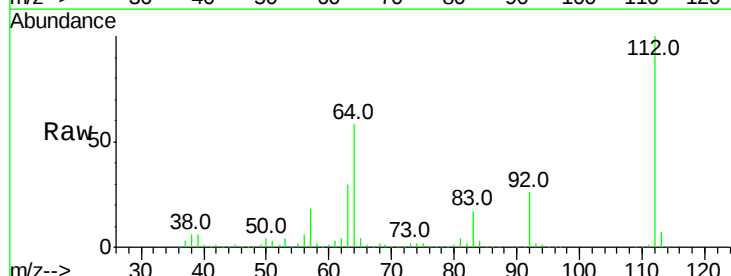
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



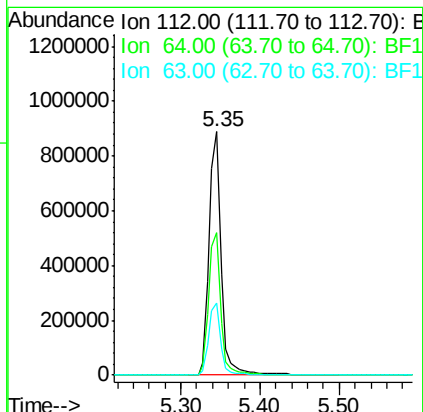
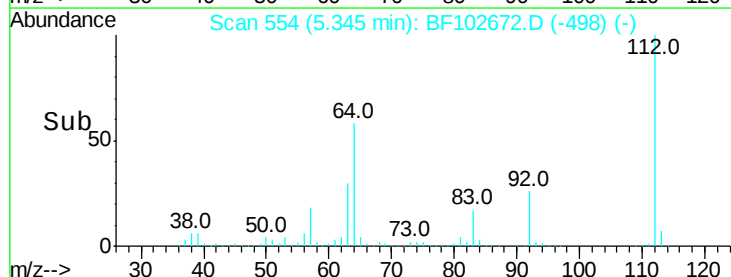
#5

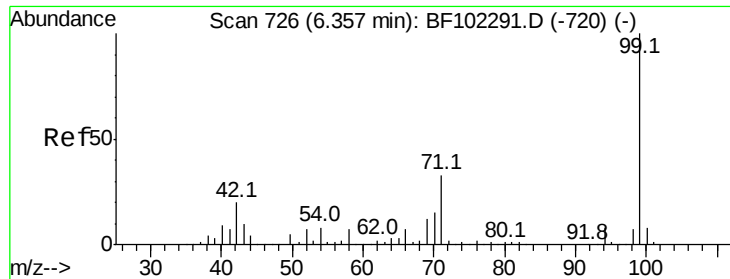
2-Fluorophenol
Concen: 111.571 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.03 min
Lab File: BF102672.D
Acq: 31 Jan 2018 23:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	47.9	71.9
63	29.9	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





#7

Phenol-d6

Concen: 106.768 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.02 min

Lab File: BF102672.D

Acq: 31 Jan 2018 23:13

Instrument :

BNA_F

ClientSampleId :

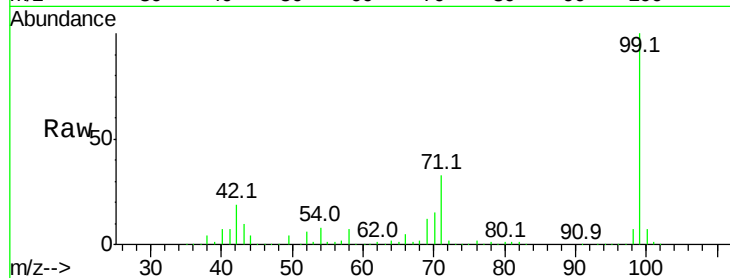
Tot Ion: 99 Resp: 1098097

Ion	Ratio	Lower	Upper
99	100		
42	19.4	14.5	21.7
71	33.2	25.4	38.0

99 100

42 19.4 14.5 21.7

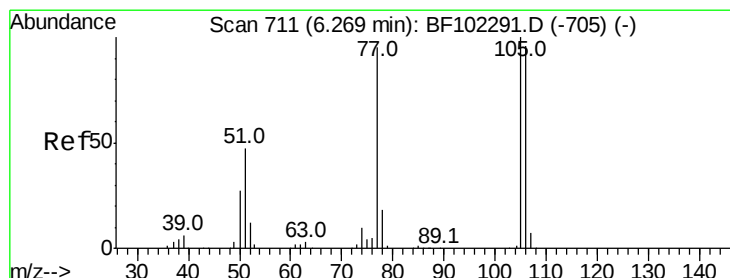
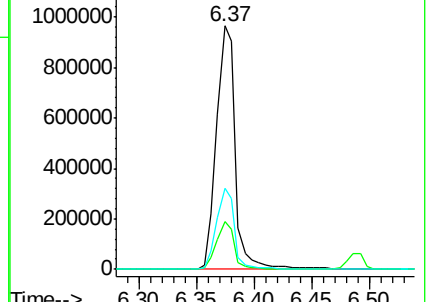
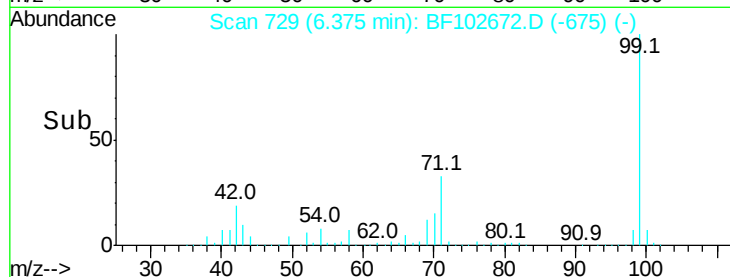
71 33.2 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.752 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.24 min

Lab File: BF102672.D

Acq: 31 Jan 2018 23:13

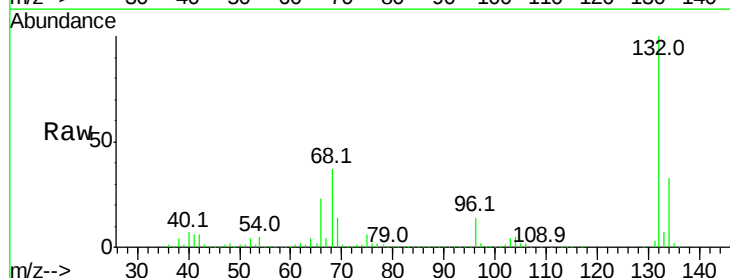
Tgt Ion: 77 Resp: 19615

Ion	Ratio	Lower	Upper
77	100		
105	82.3	81.1	121.1
106	78.6	74.5	114.5

77 100

105 82.3 81.1 121.1

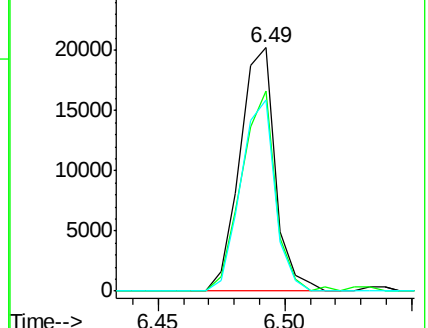
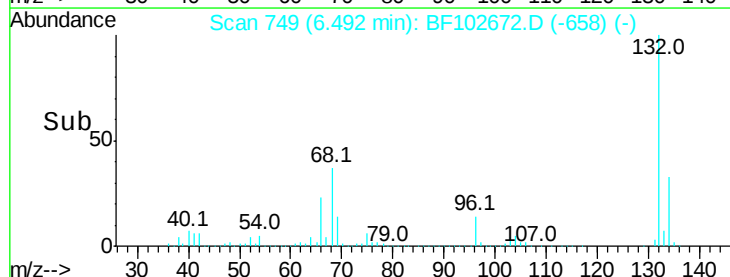
106 78.6 74.5 114.5

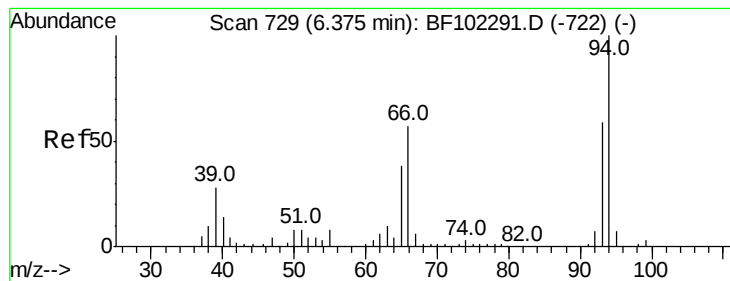


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 4.417 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.02 min

Lab File: BF102672.D

Acq: 31 Jan 2018 23:13

Instrument :

BNA_F

ClientSampleId :

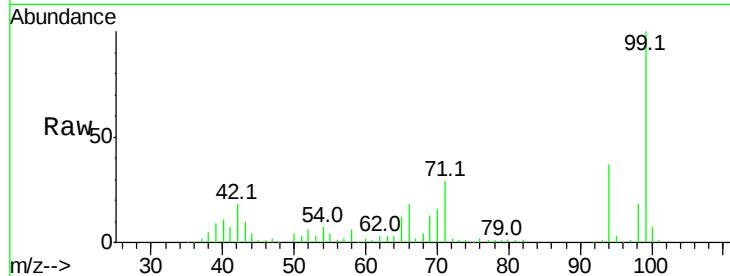
Tot Ion: 94 Resp: 49596

Ion Ratio Lower Upper

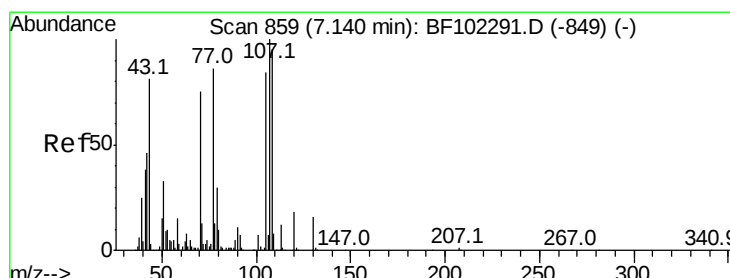
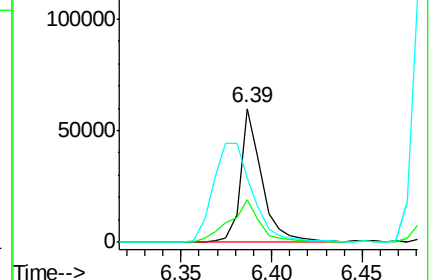
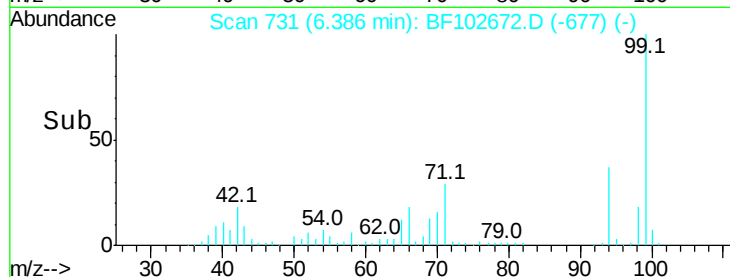
94 100

65 31.8 7.9 47.9

66 48.1 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.778 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF102672.D

Acq: 31 Jan 2018 23:13

Tgt Ion: 70 Resp: 86717

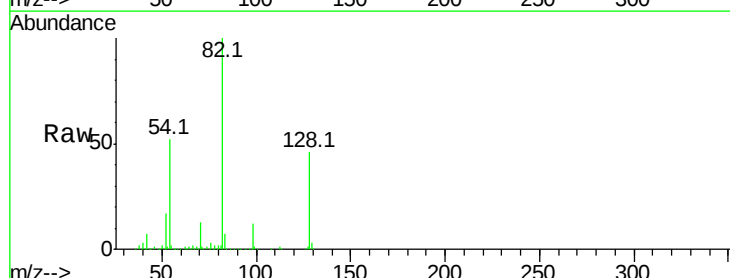
Ion Ratio Lower Upper

70 100

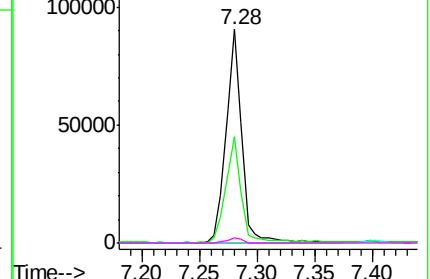
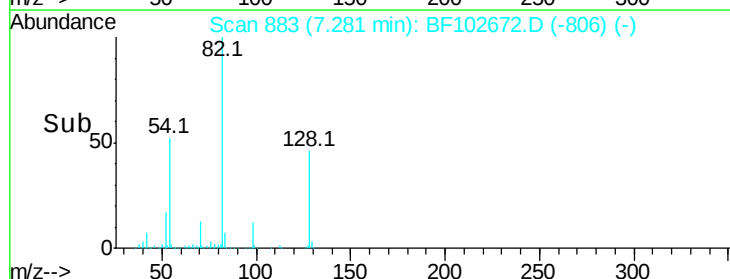
42 49.6 47.5 71.3

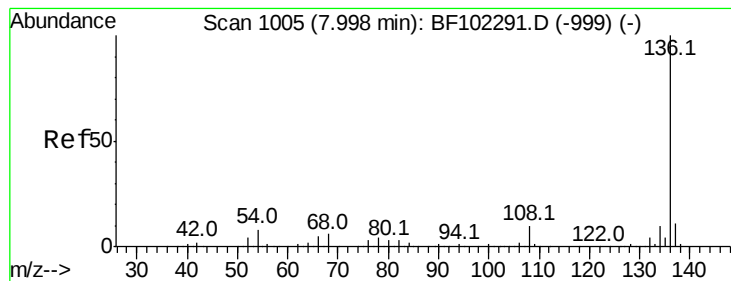
101 0.0 7.4 11.2#

130 2.3 16.6 25.0#



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. 0.01 min

Lab File: BF102672.D

Acq: 31 Jan 2018 23:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 477129

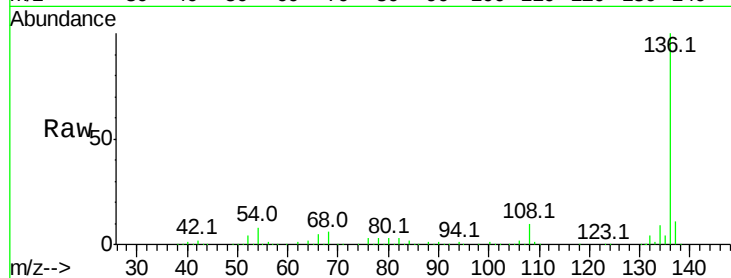
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.1 6.6 9.8

68 5.7 5.0 7.4

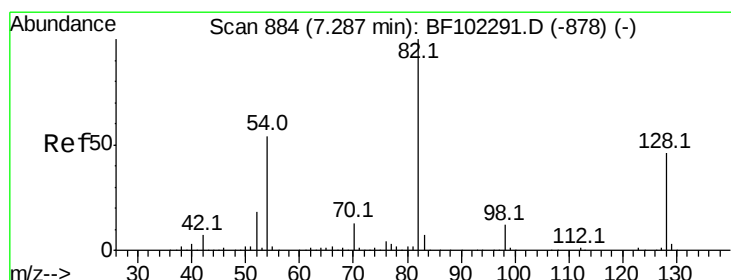
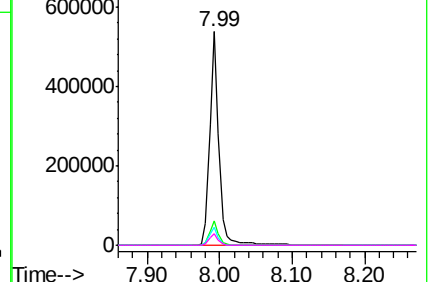
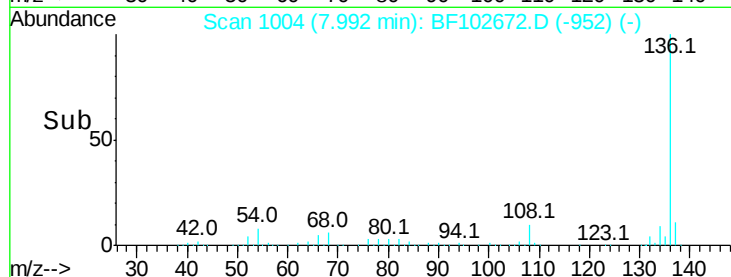


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 77.771 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.00 min

Lab File: BF102672.D

Acq: 31 Jan 2018 23:13

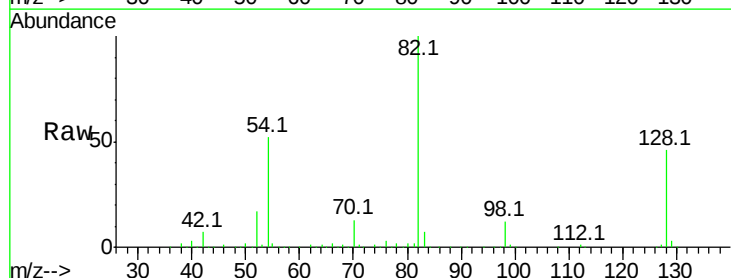
Tgt Ion: 82 Resp: 645711

Ion Ratio Lower Upper

82 100

128 45.7 36.1 54.1

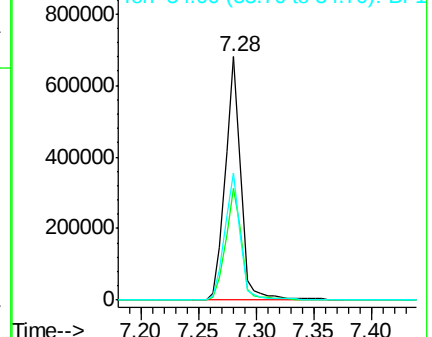
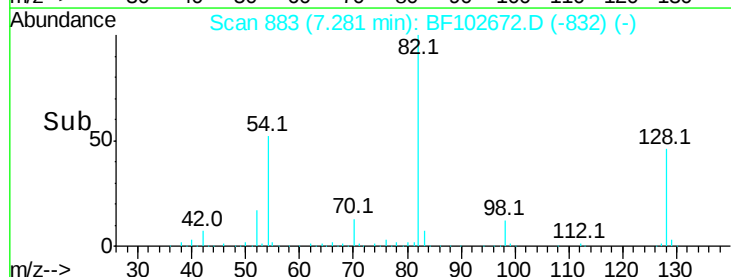
54 52.4 41.4 62.2

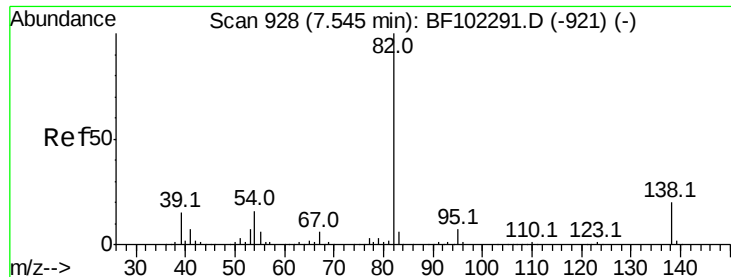


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.624 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.25 min

Lab File: BF102672.D

Acq: 31 Jan 2018 23:13

Instrument :

BNA_F

ClientSampleId :

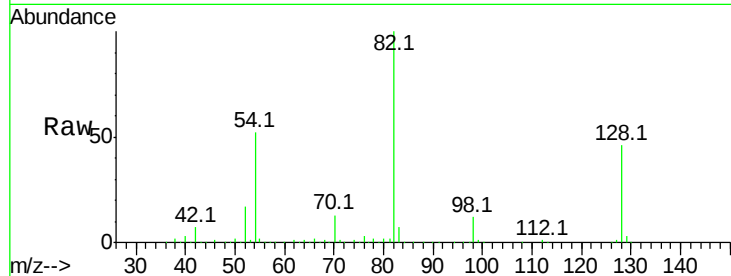
Tot Ion: 82 Resp: 645707

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

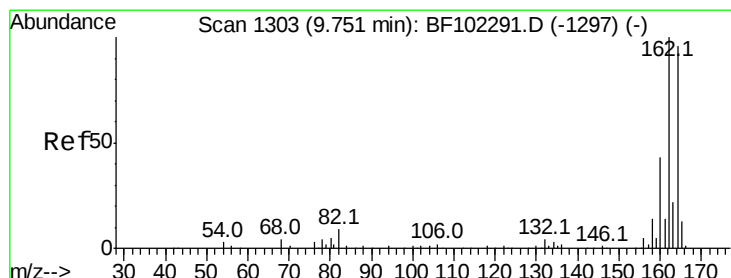
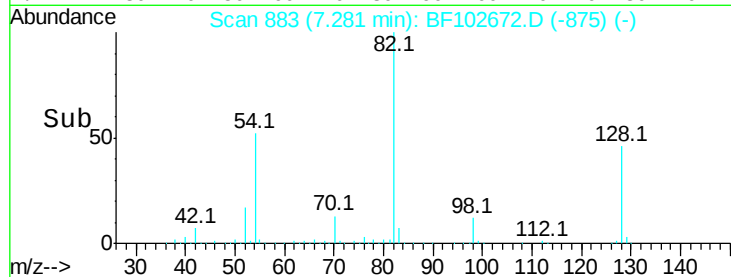
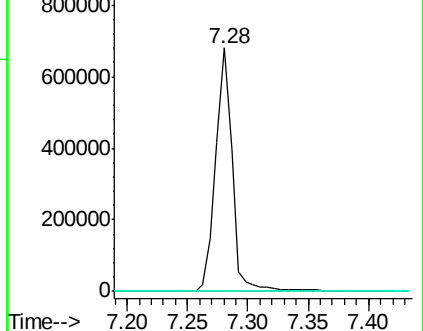
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1302

Delta R.T. 0.01 min

Lab File: BF102672.D

Acq: 31 Jan 2018 23:13

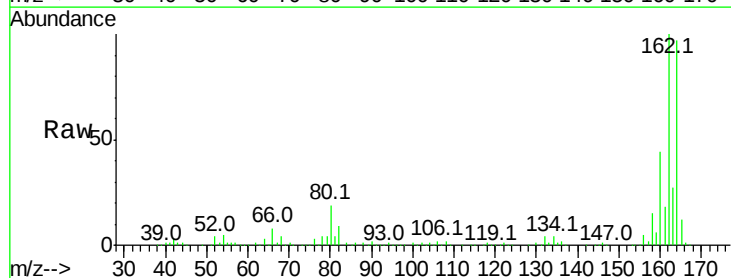
Tgt Ion:164 Resp: 172313

Ion Ratio Lower Upper

164 100

162 103.6 86.1 129.1

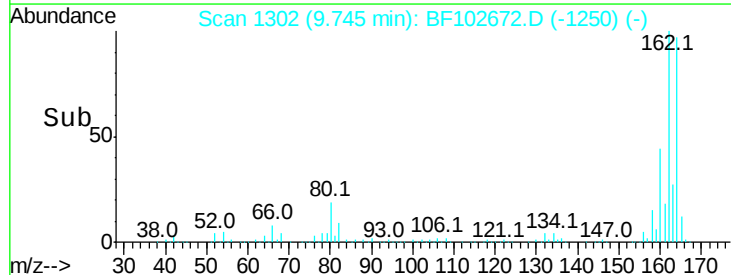
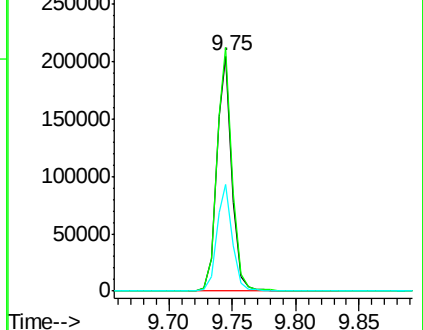
160 45.2 38.3 57.5

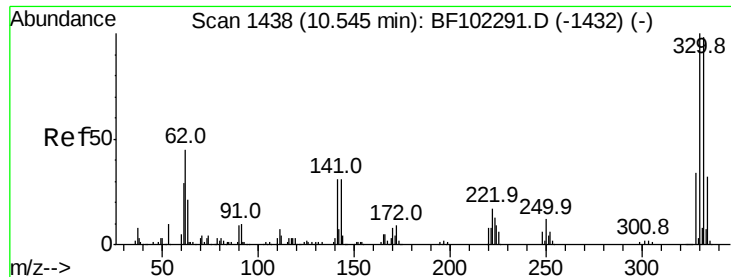


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

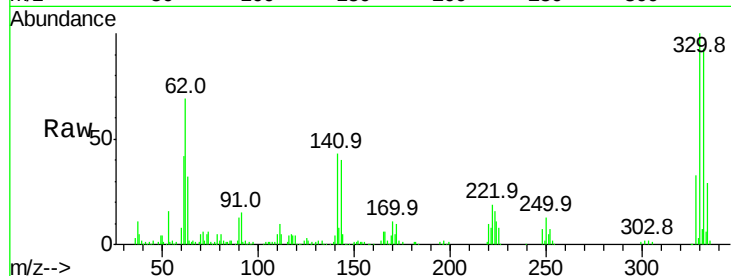




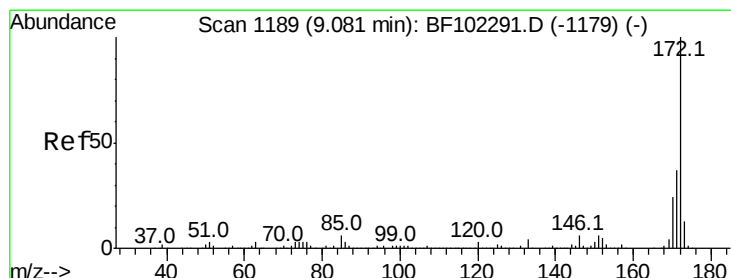
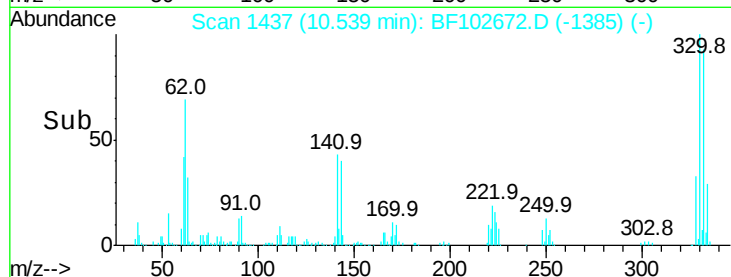
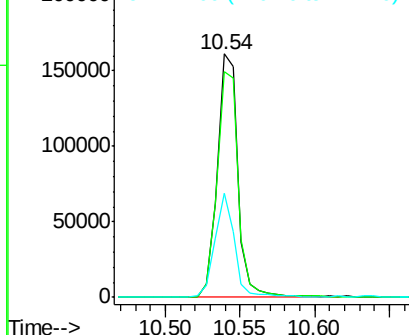
#41
 2,4,6-Tribromophenol
 Concen: 92.221 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. 0.01 min
 Lab File: BF102672.D
 Acq: 31 Jan 2018 23:13

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	40.2	29.9	44.9

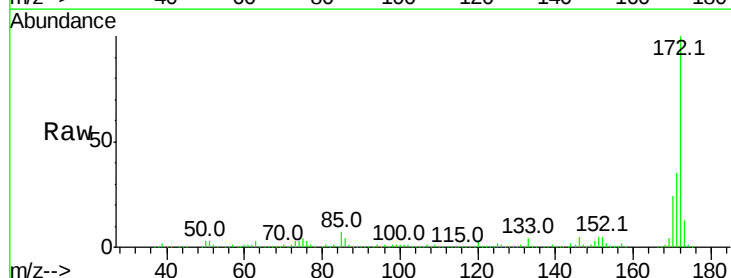


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

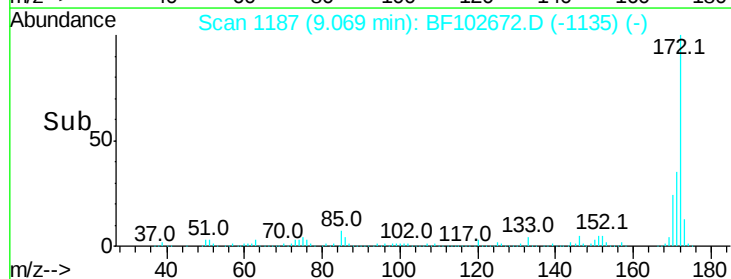
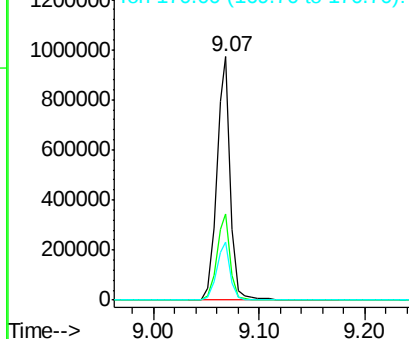


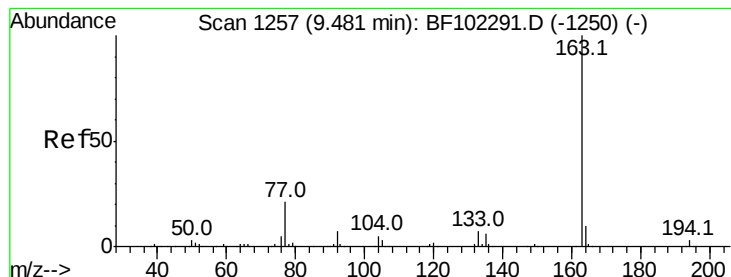
#44
 2-Fluorobiphenyl
 Concen: 75.279 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: BF102672.D
 Acq: 31 Jan 2018 23:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.8	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: 8.617 ng

RT: 9.46 min Scan# 1254

Delta R.T. -0.01 min

Lab File: BF102672.D

Acq: 31 Jan 2018 23:13

Instrument :

BNA_F

ClientSampleId :

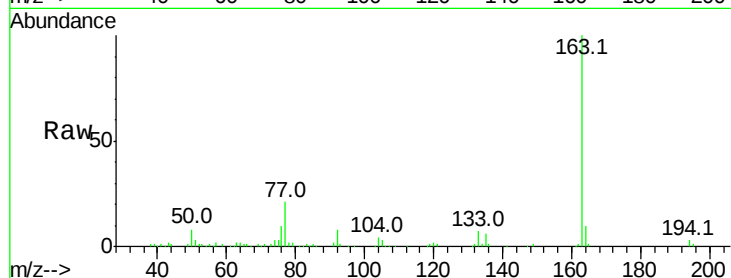
Tot Ion:163 Resp: 122726

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

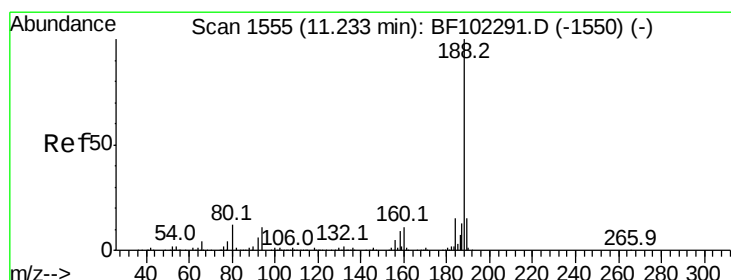
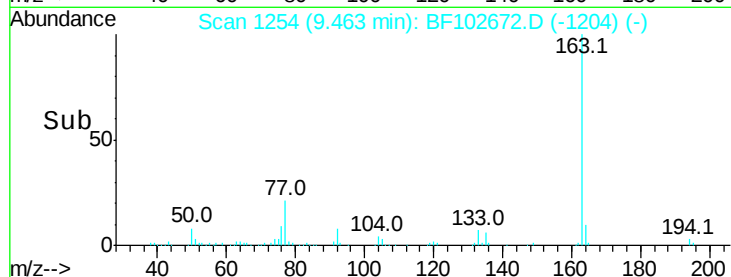
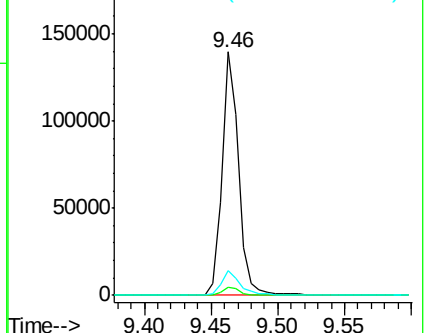
164 10.4 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. 0.01 min

Lab File: BF102672.D

Acq: 31 Jan 2018 23:13

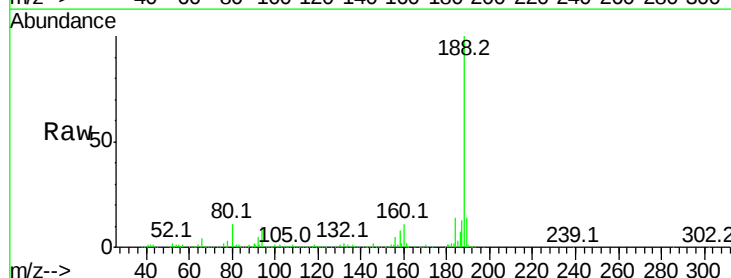
Tgt Ion:188 Resp: 277722

Ion Ratio Lower Upper

188 100

94 10.2 8.5 12.7

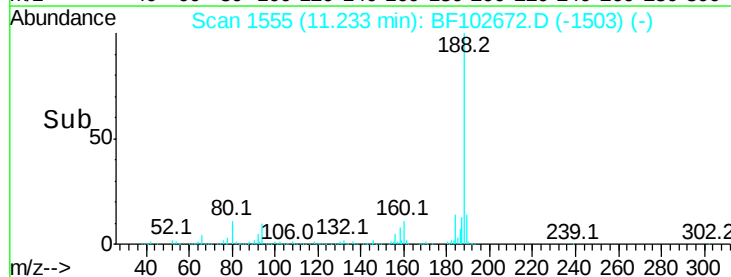
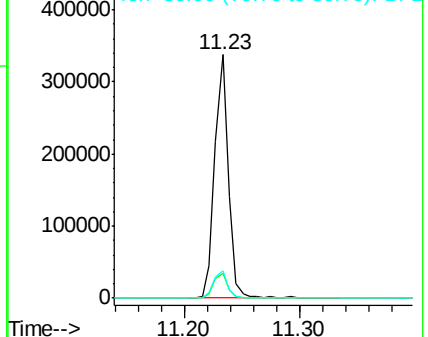
80 11.4 9.2 13.8

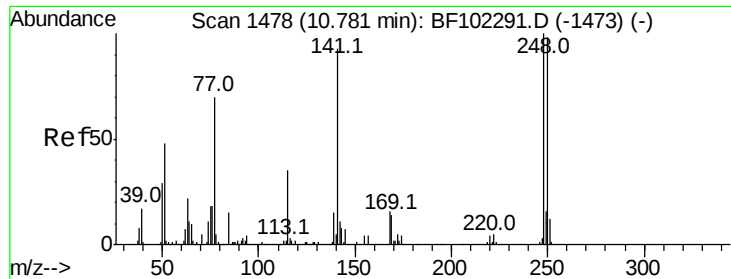


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

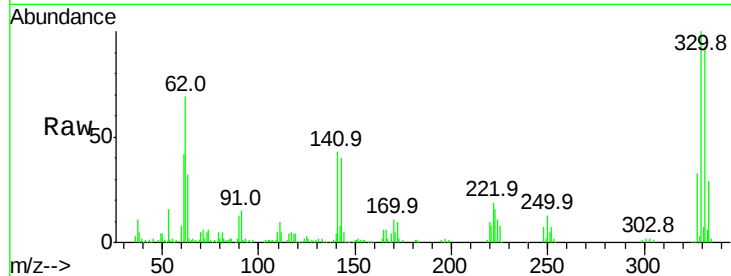




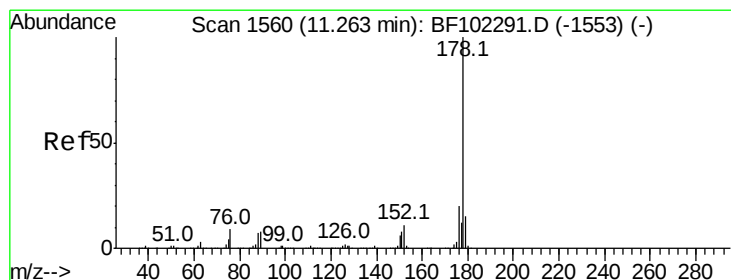
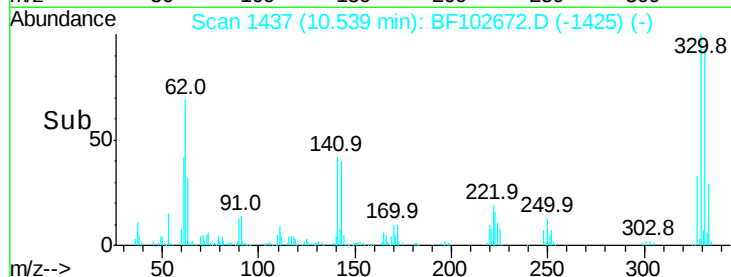
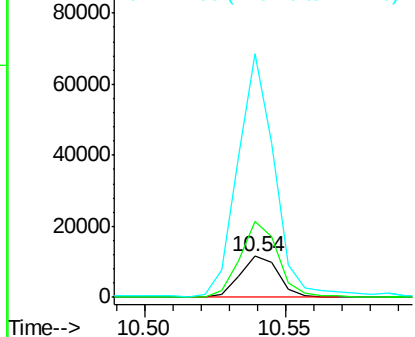
#66
4-Bromophenyl-phenylether
Concen: 3.639 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.23 min
Lab File: BF102672.D
Acq: 31 Jan 2018 23:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10879
Ion Ratio Lower Upper
248 100
250 186.3 76.9 115.3#
141 596.9 74.4 111.6#

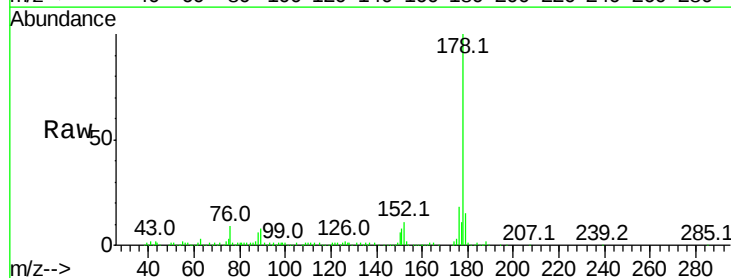


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

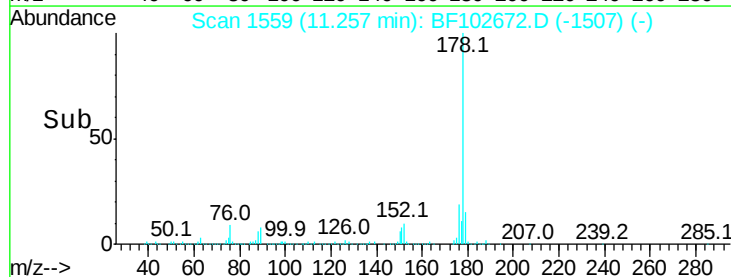
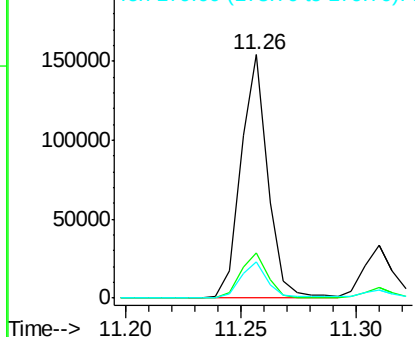


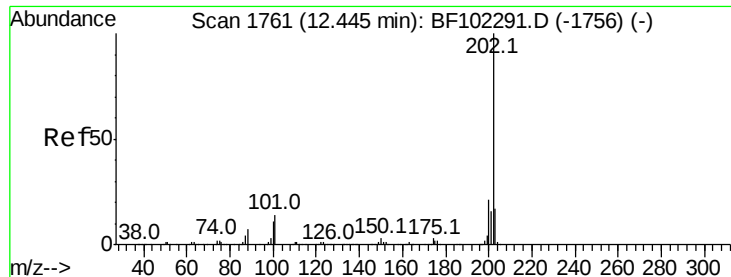
#70
Phenanthrene
Concen: 7.764 ng
RT: 11.26 min Scan# 1559
Delta R.T. 0.01 min
Lab File: BF102672.D
Acq: 31 Jan 2018 23:13

Tgt Ion:178 Resp: 125644
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 14.9 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





#74

Fluoranthene

Concen: 10.232 ng

RT: 12.44 min Scan# 1761

Delta R.T. 0.01 min

Lab File: BF102672.D

Acq: 31 Jan 2018 23:13

Instrument :

BNA_F

ClientSampleId :

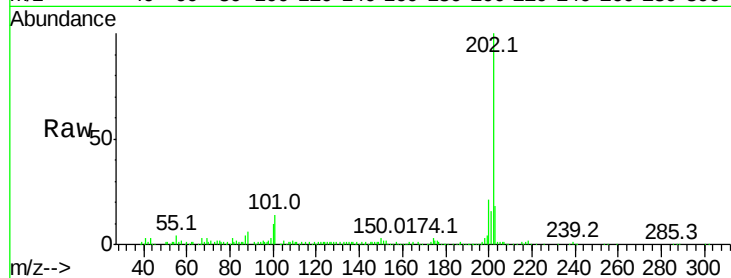
Tot Ion:202 Resp: 168866

Ion Ratio Lower Upper

202 100

101 14.2 0.0 34.1

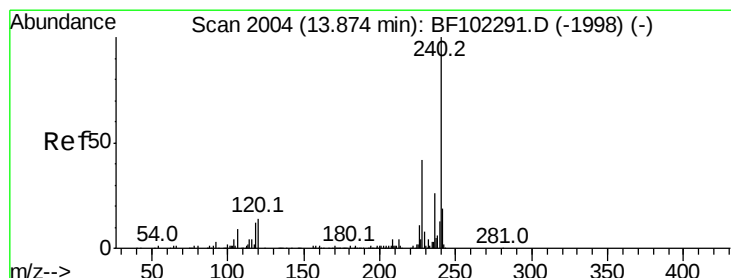
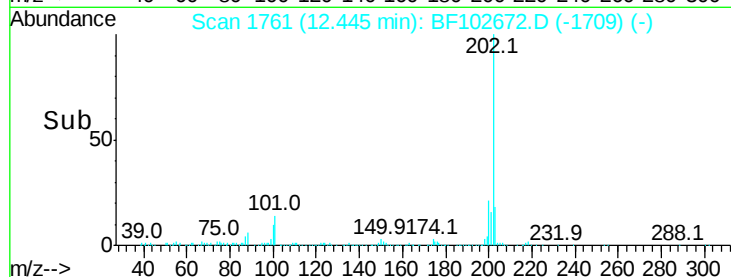
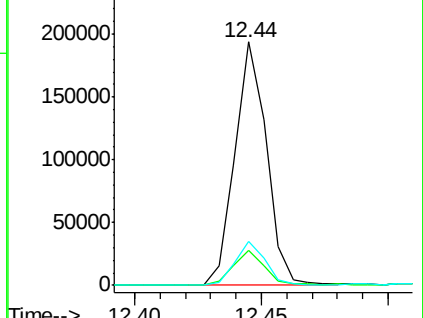
203 17.9 0.0 38.1



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: 13.87 min Scan# 2004

Delta R.T. 0.01 min

Lab File: BF102672.D

Acq: 31 Jan 2018 23:13

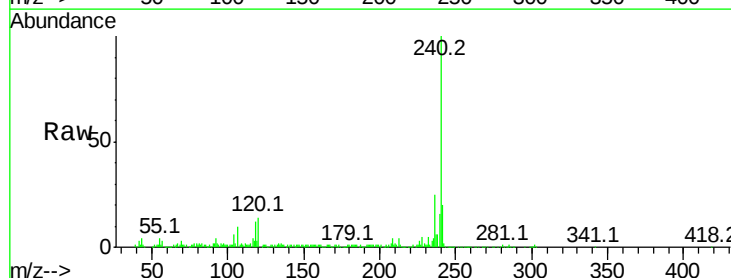
Tgt Ion:240 Resp: 262097

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

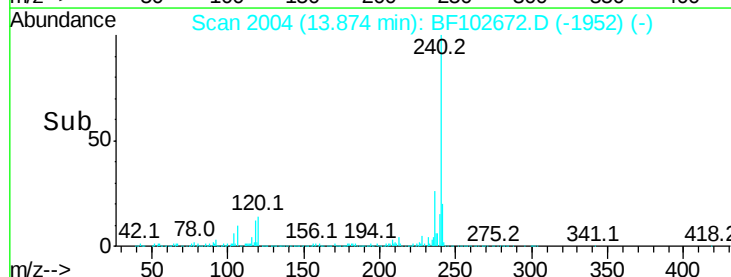
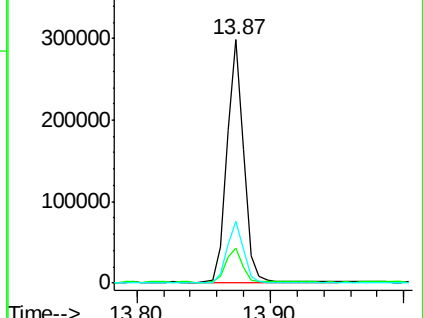
236 25.5 20.7 31.1

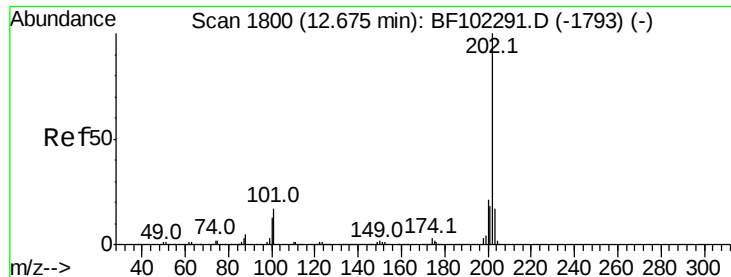


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 8.414 ng

RT: 12.67 min Scan# 1800

Delta R.T. 0.01 min

Lab File: BF102672.D

Acq: 31 Jan 2018 23:13

Instrument :

BNA_F

ClientSampleId :

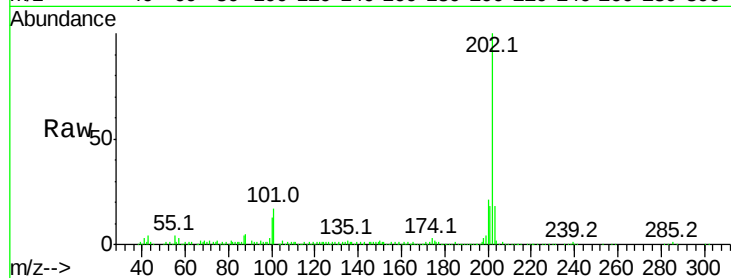
Tot Ion:202 Resp: 170499

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

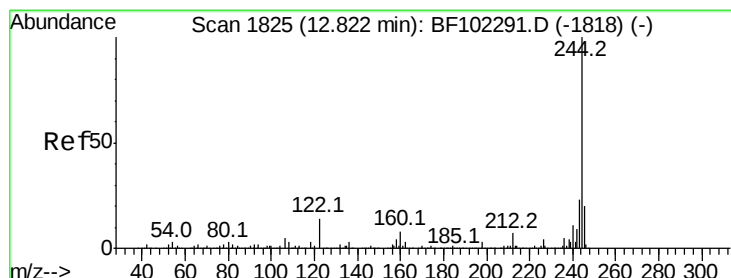
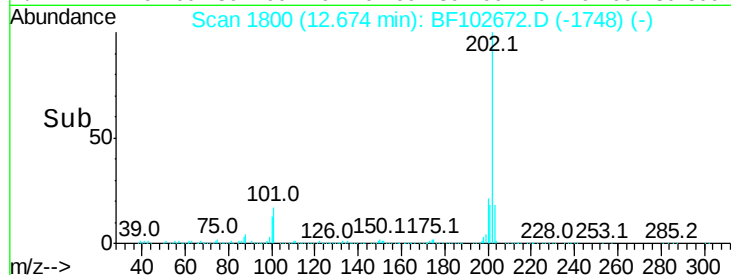
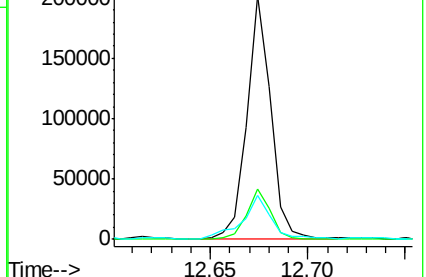
203 18.2 14.3 21.5



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: 59.256 ng

RT: 12.82 min Scan# 1824

Delta R.T. 0.01 min

Lab File: BF102672.D

Acq: 31 Jan 2018 23:13

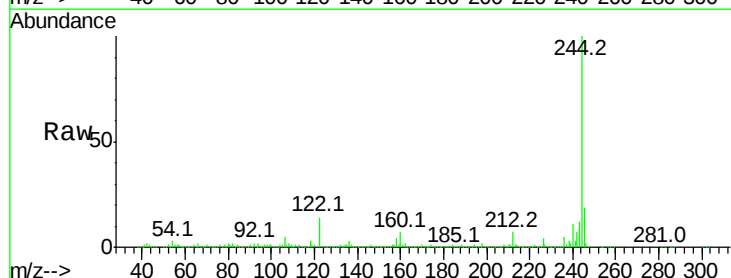
Tgt Ion:244 Resp: 688925

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

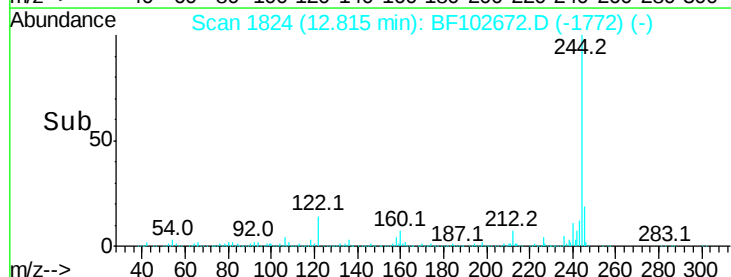
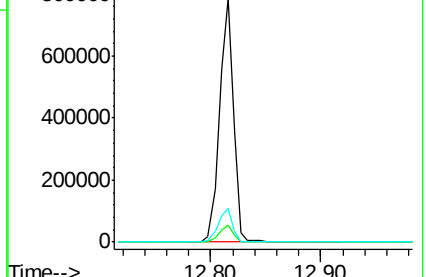
122 13.9 11.0 16.4

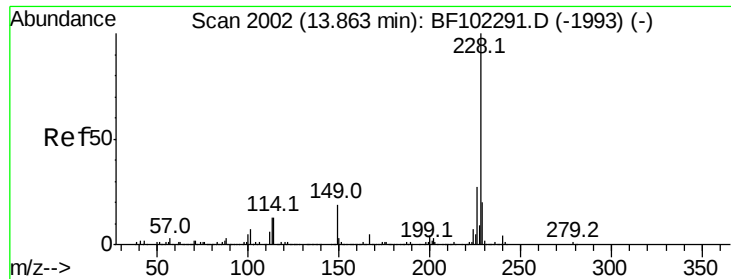


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

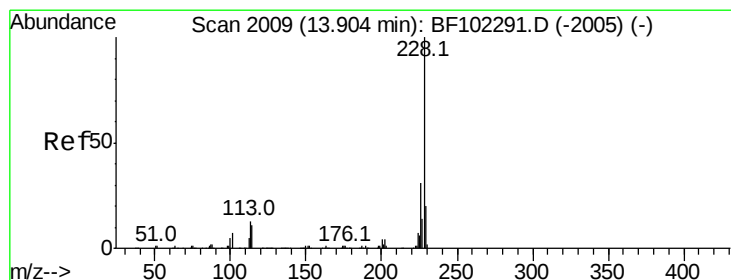
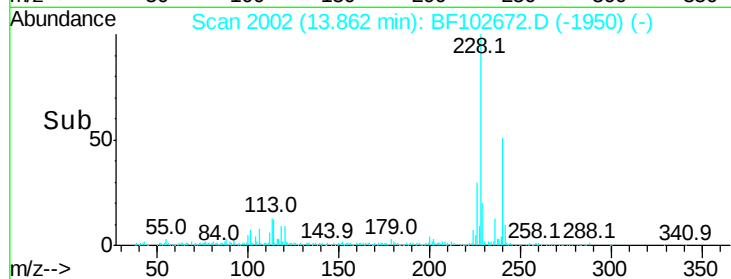
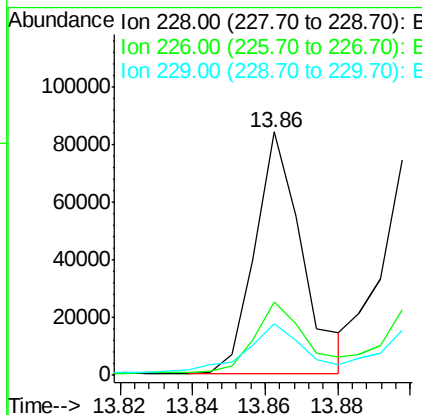
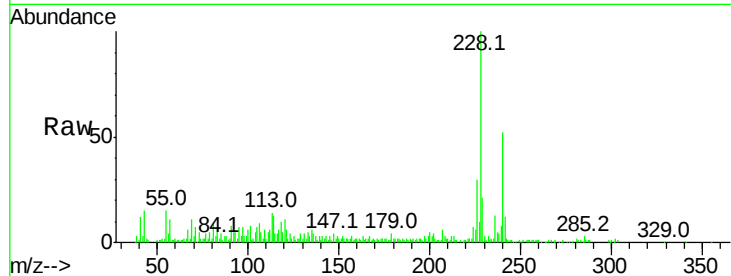




#80
Benzo(a)anthracene
Concen: 4.684 ng
RT: 13.86 min Scan# 2002
Delta R.T. 0.01 min
Lab File: BF102672.D
Acq: 31 Jan 2018 23:13

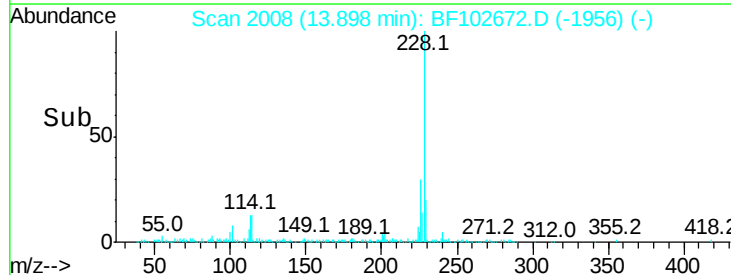
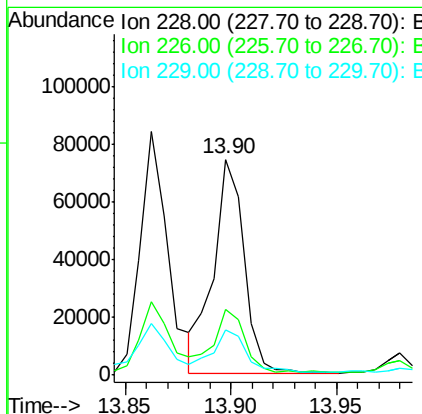
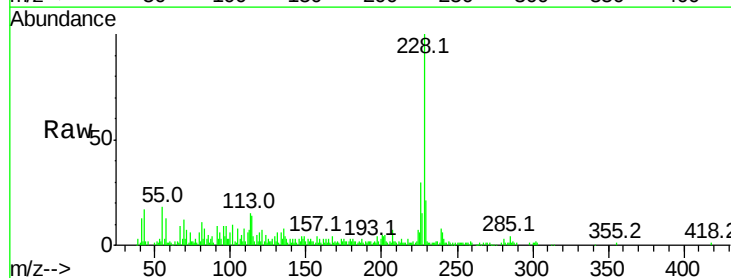
Instrument :
BNA_F
ClientSampleId :

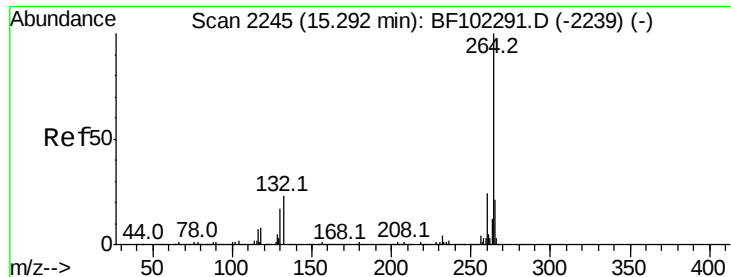
Tot Ion:228 Resp: 75576
Ion Ratio Lower Upper
228 100
226 30.0 22.6 33.8
229 21.0 15.8 23.6



#82
Chrysene
Concen: 4.597 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.01 min
Lab File: BF102672.D
Acq: 31 Jan 2018 23:13

Tgt Ion:228 Resp: 75324
Ion Ratio Lower Upper
228 100
226 30.5 25.0 37.6
229 21.0 16.2 24.4

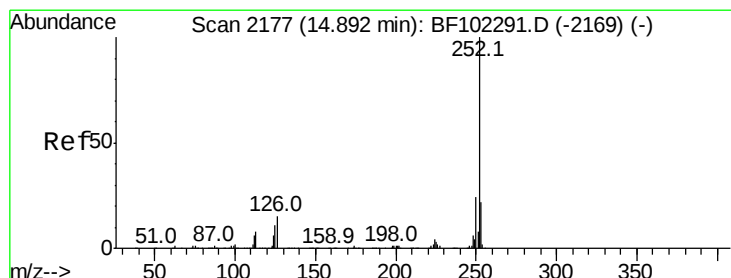
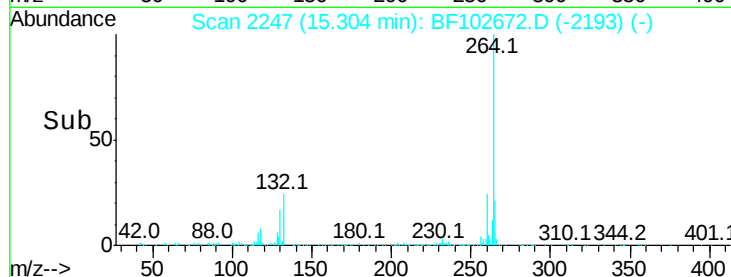
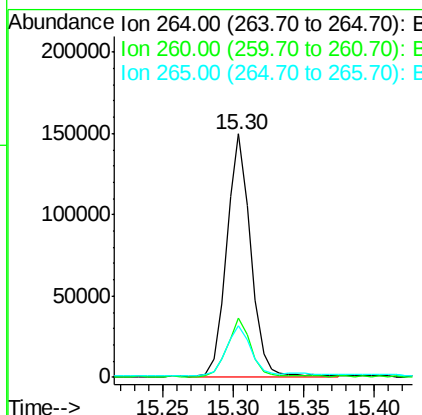
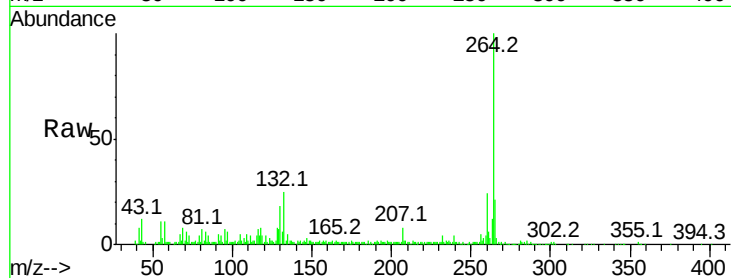




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.02 min
Lab File: BF102672.D
Acq: 31 Jan 2018 23:13

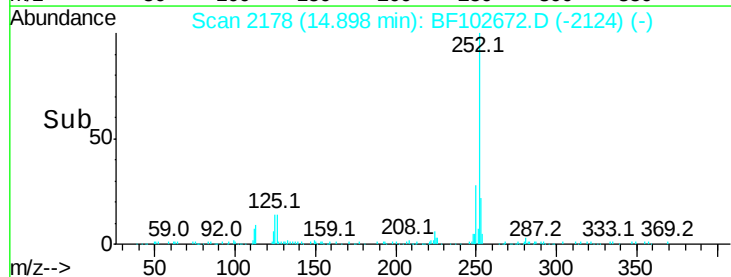
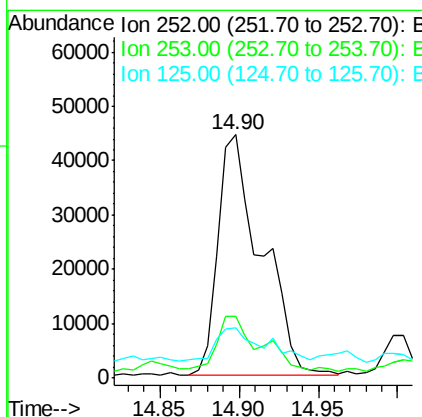
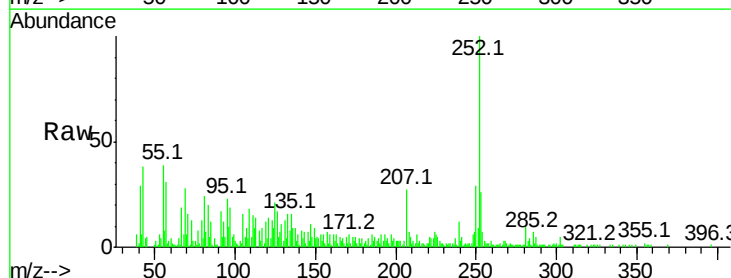
Instrument :
BNA_F
ClientSampleId :

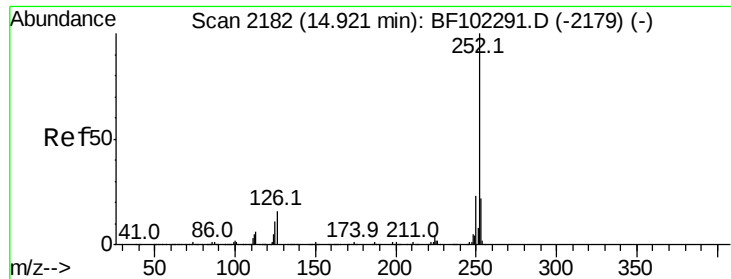
Tot Ion:264 Resp: 176283
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 21.4 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 7.397 ng
RT: 14.90 min Scan# 2178
Delta R.T. 0.02 min
Lab File: BF102672.D
Acq: 31 Jan 2018 23:13

Tgt Ion:252 Resp: 84511
Ion Ratio Lower Upper
252 100
253 25.6 17.0 25.6#
125 20.6 9.0 13.6#

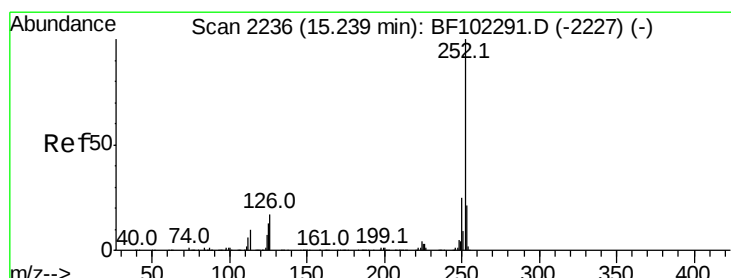
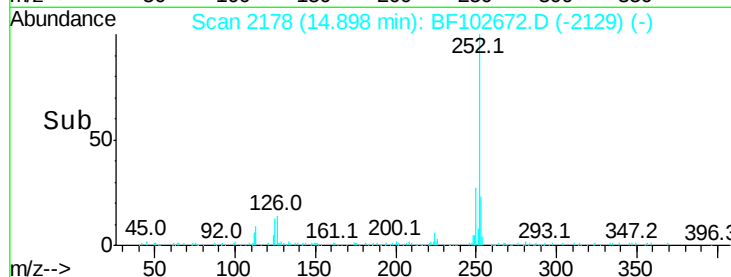
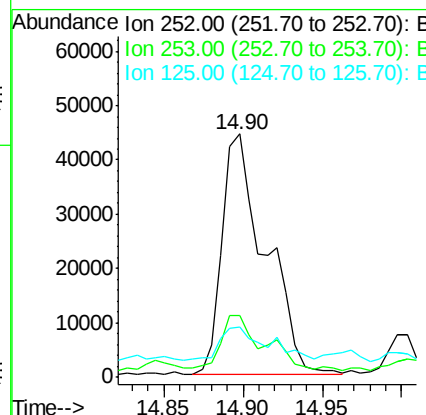
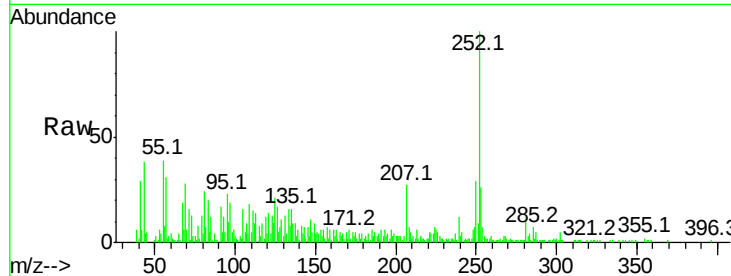




#88
Benzo(k)fluoranthene
Concen: 7.829 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF102672.D
Acq: 31 Jan 2018 23:13

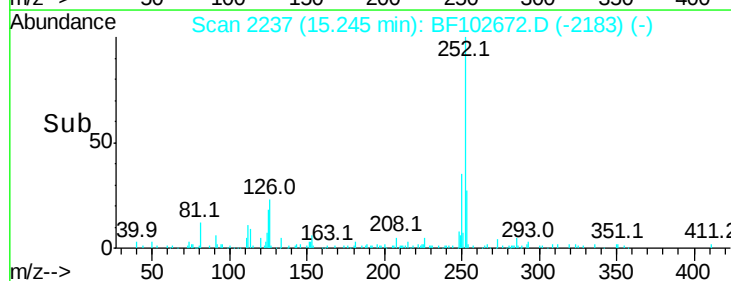
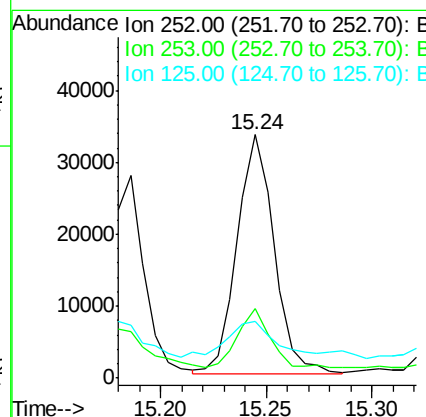
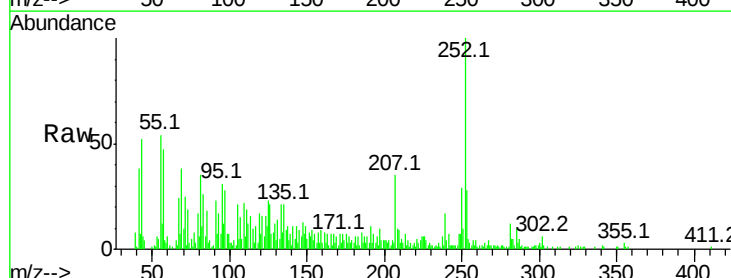
Instrument :
BNA_F
ClientSampleId :

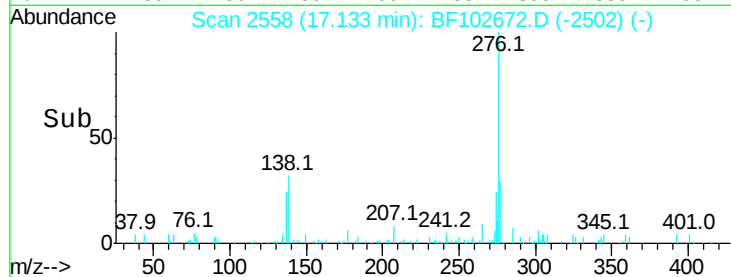
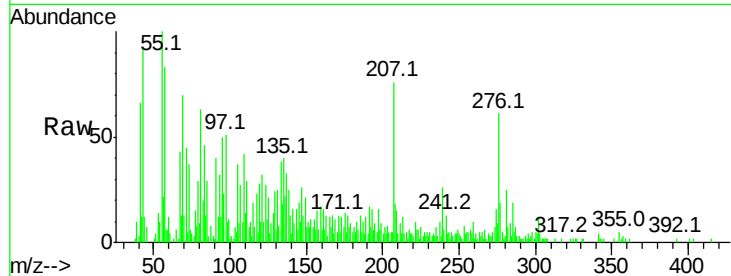
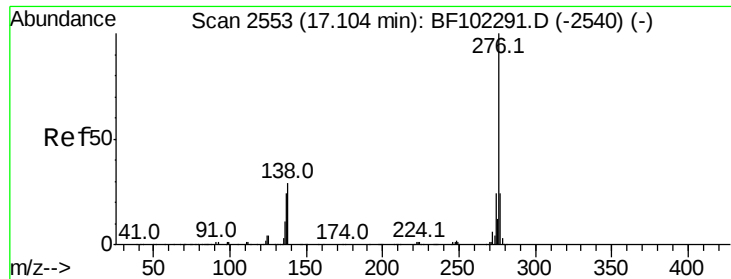
Tot Ion:252 Resp: 84511
Ion Ratio Lower Upper
252 100
253 25.6 17.9 26.9
125 20.6 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 3.950 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.02 min
Lab File: BF102672.D
Acq: 31 Jan 2018 23:13

Tgt Ion:252 Resp: 40699
Ion Ratio Lower Upper
252 100
253 28.4 17.1 25.7#
125 23.2 9.8 14.6#





#91

Benzo(a,h,i)perylene

Concen: 2.468 ng

RT: 17.13 min Scan# 2558

Delta R.T. 0.03 min

Lab File: BF102672.D

Acq: 31 Jan 2018 23:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 20343

Ion Ratio Lower Upper

276 100

277 31.1 17.9 26.9#

138 41.6 21.8 32.8#

