

Data Path : U:\HPCHEM1\BNA F\DATA\BF012818\
 Data File : BF102577.D
 Acq On : 29 Jan 2018 00:12
 Operator : SJ/JU
 Sample : J1257-13
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 29 05:52:28 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	172037	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	669261	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	248530	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	303691	20.00	ng	0.00
75) Chrysene-d12	13.90	240	201065	20.00	ng	0.02
86) Perylene-d12	15.34	264	160360	20.00	ng	0.04

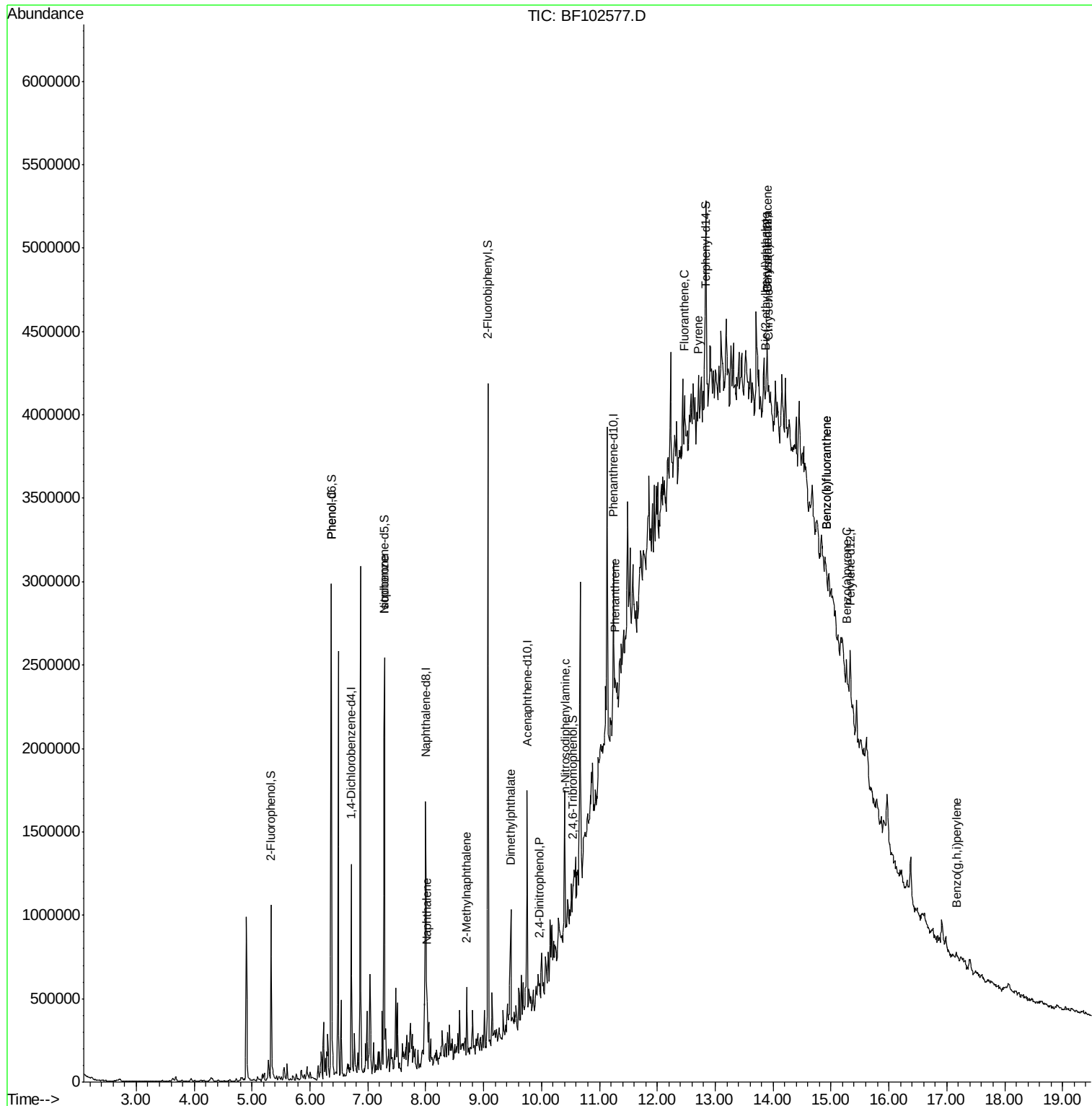
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	327044	28.82	ng	0.00
7) Phenol-d6	6.37	99	1207426	88.27	ng	0.00
23) Nitrobenzene-d5	7.29	82	809488	69.51	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	10537	4.28	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1269989	75.14	ng	0.00
78) Terphenyl-d14	12.84	244	656967	73.66	ng	0.02

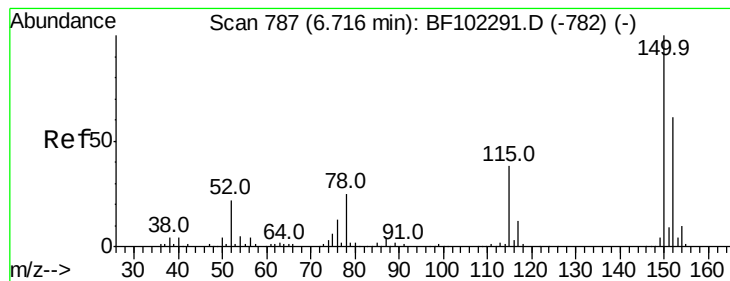
Target Compounds				Qvalue		
10) Phenol	6.37	94	58898	3.944	ng	85
25) Isophorone	7.29	82	801646	38.611	ng	# 64
31) Naphthalene	8.02	128	86276	2.582	ng	97
37) 2-Methylnaphthalene	8.71	142	115974	5.211	ng	100
49) Dimethylphthalate	9.47	163	112608	5.482	ng	98
53) 2,4-Dinitrophenol	9.96	184	250	3.816	ng	# 1
65) n-Nitrosodiphenylamine	10.41	169	28829	2.586	ng	# 46
70) Phenanthrene	11.27	178	49125	2.776	ng	# 81
74) Fluoranthene	12.47	202	53951	2.990	ng	79
77) Pyrene	12.70	202	69326	4.460	ng	# 87
80) Benzo(a)anthracene	13.89	228	26469	2.138	ng	# 50
82) Chrysene	13.93	228	38231	3.041	ng	# 68
83) Bis(2-ethylhexyl)phthalate	13.86	149	28436	2.735	ng	# 72
87) Benzo(b)fluoranthene	14.93	252	35515	3.417	ng	# 1
88) Benzo(k)fluoranthene	14.93	252	35515	3.617	ng	# 1
89) Benzo(a)pyrene	15.28	252	19486	2.079	ng	# 1
91) Benzo(a,h,i)perylene	17.16	276	20568	2.743	ng	# 78

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

```
Data Path : U:\HPCHEM1\BNA F\DATA\BF012818\  
Data File : BF102577.D  
Acq On    : 29 Jan 2018  00:12  
Operator  : SJ/JU  
Sample    : J1257-13  
Misc      :  
ALS Vial  : 24      Sample Multiplier: 1
```

Quant Time: Jan 29 05:52:28 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 27 20:48:40 2018
Response via : Initial Calibration



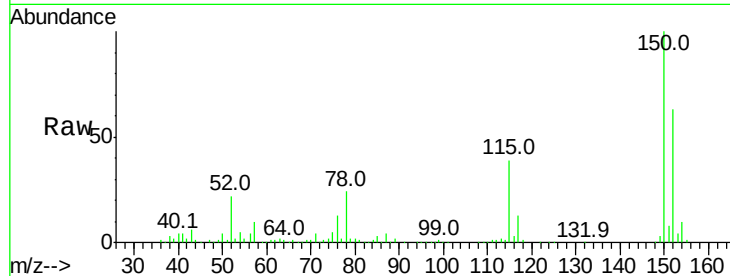


#1

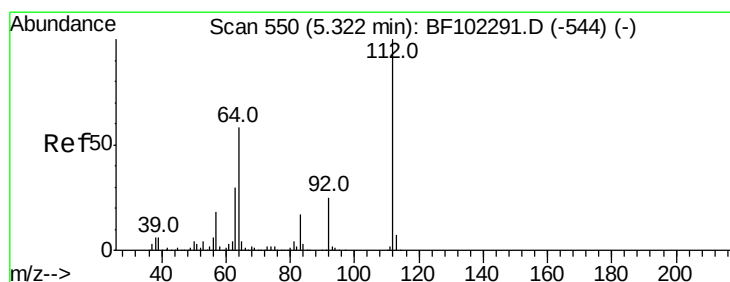
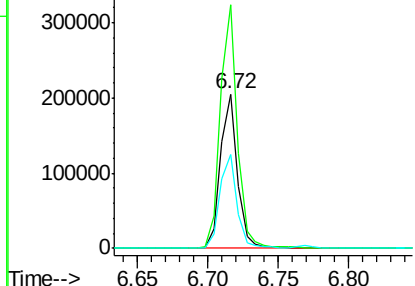
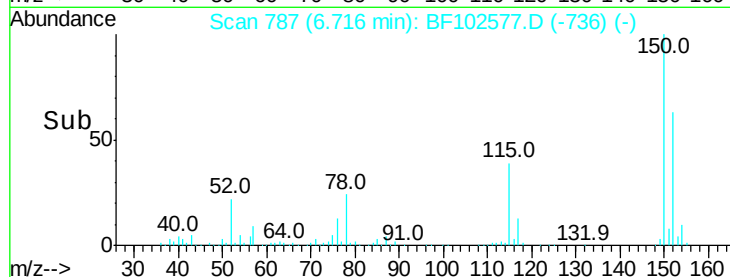
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102577.D
Acq: 29 Jan 2018 00:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 172037
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 61.0 50.1 75.1



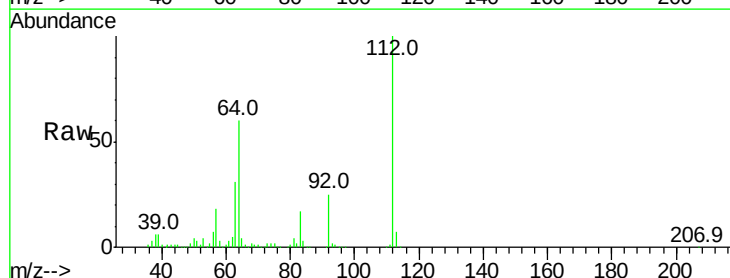
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



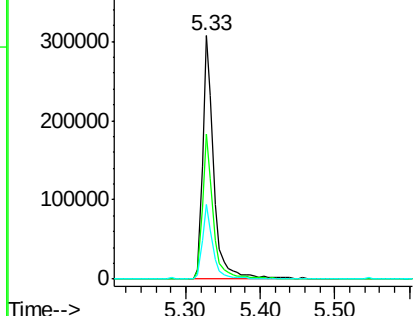
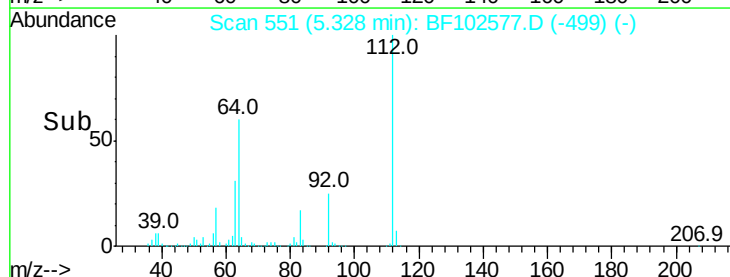
#5

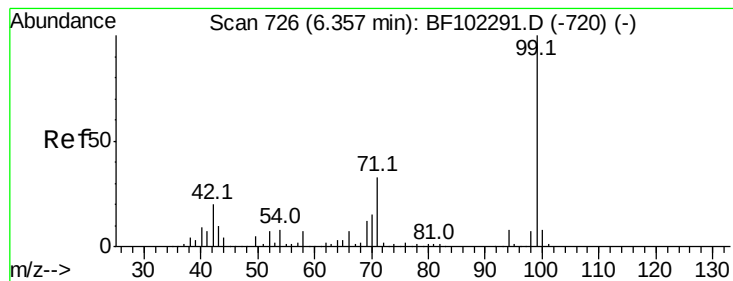
2-Fluorophenol
Concen: 28.824 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102577.D
Acq: 29 Jan 2018 00:12

Tgt Ion:112 Resp: 327044
Ion Ratio Lower Upper
112 100
64 59.7 47.9 71.9
63 30.7 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: 88.270 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102577.D

Acq: 29 Jan 2018 00:12

Instrument :

BNA_F

ClientSampled :

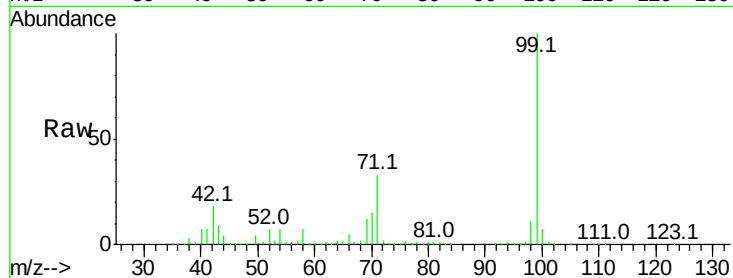
Tot Ion: 99 Resp: 1207426

Ion Ratio Lower Upper

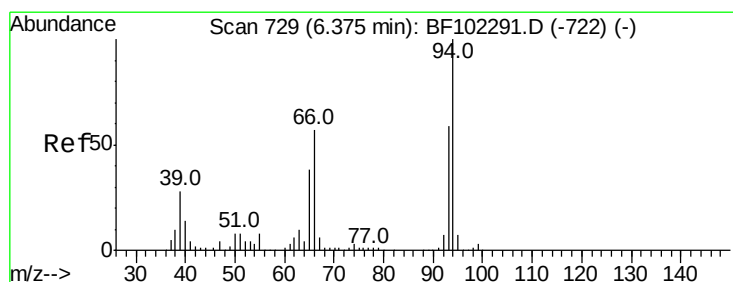
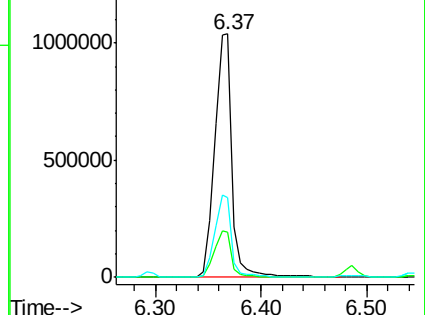
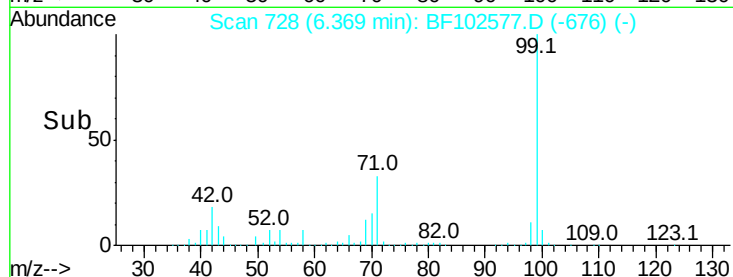
99 100

42 18.4 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: 3.944 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF102577.D

Acq: 29 Jan 2018 00:12

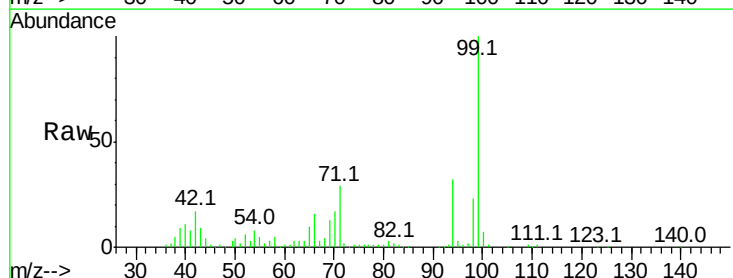
Tgt Ion: 94 Resp: 58898

Ion Ratio Lower Upper

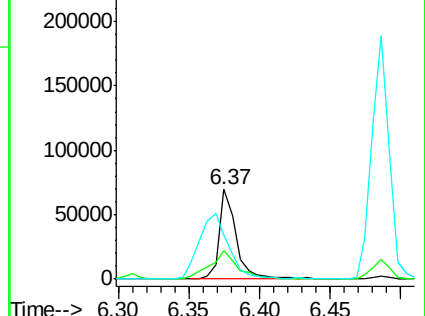
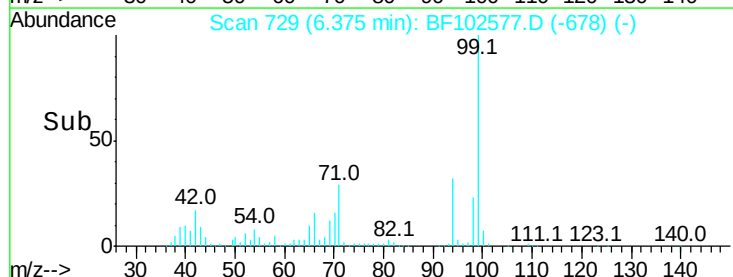
94 100

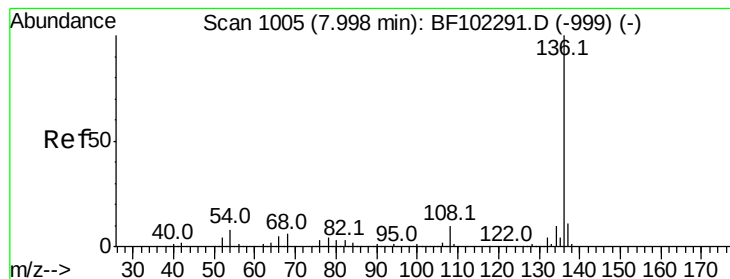
65 31.3 7.9 47.9

66 48.8 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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF102577.D

Acq: 29 Jan 2018 00:12

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 669261

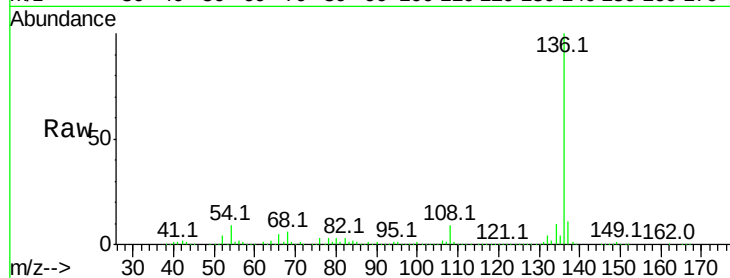
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.7 6.6 9.8

68 6.2 5.0 7.4

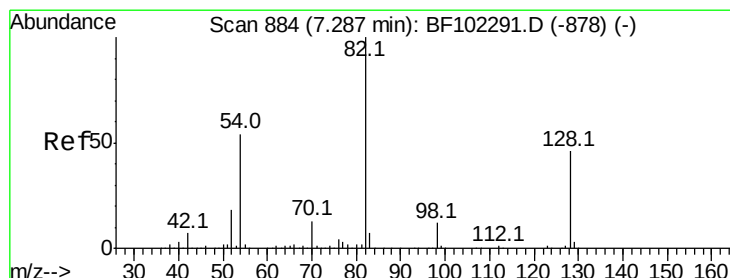
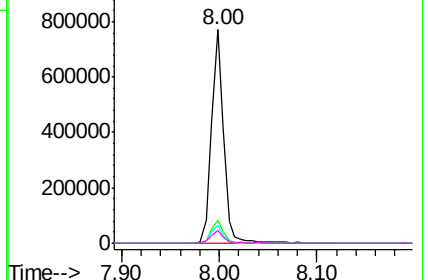
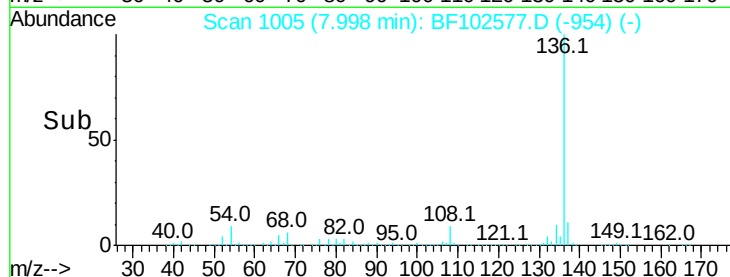


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.508 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.00 min

Lab File: BF102577.D

Acq: 29 Jan 2018 00:12

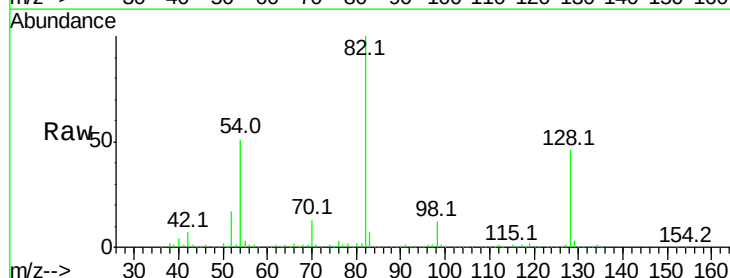
Tgt Ion: 82 Resp: 809488

Ion Ratio Lower Upper

82 100

128 46.5 36.1 54.1

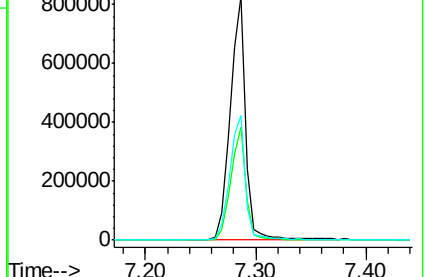
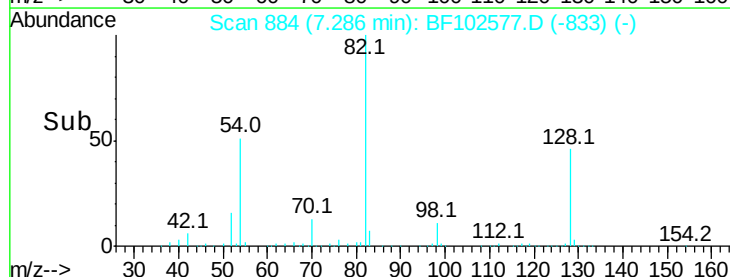
54 51.2 41.4 62.2

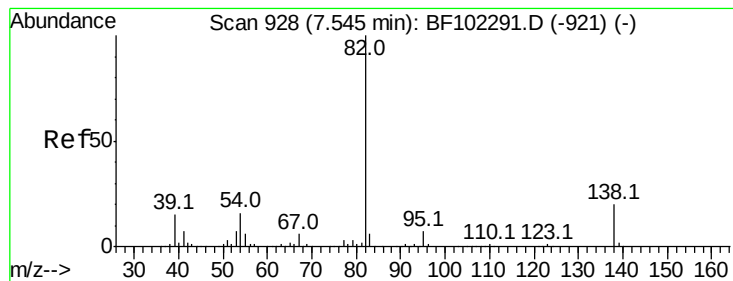


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.611 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102577.D

Acq: 29 Jan 2018 00:12

Instrument :

BNA_F

ClientSampled :

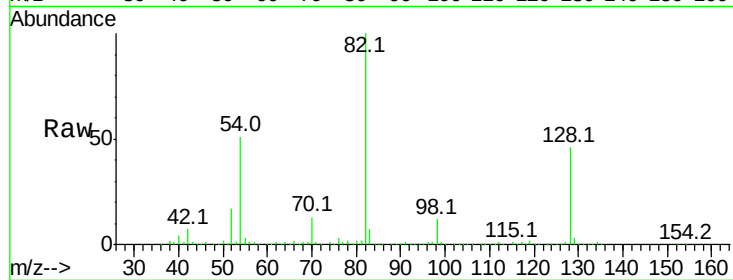
Tot Ion: 82 Resp: 801646

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

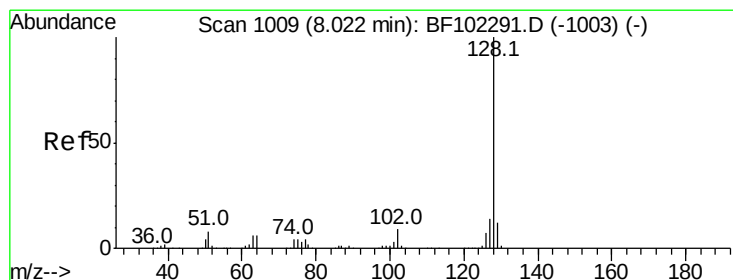
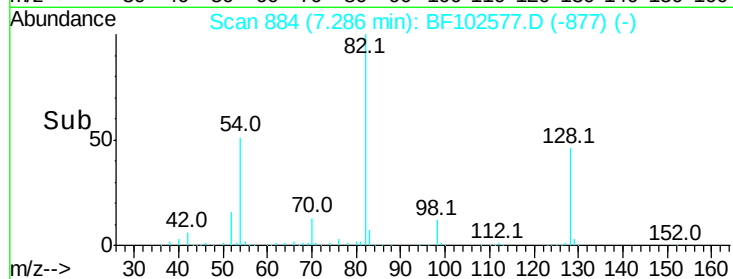
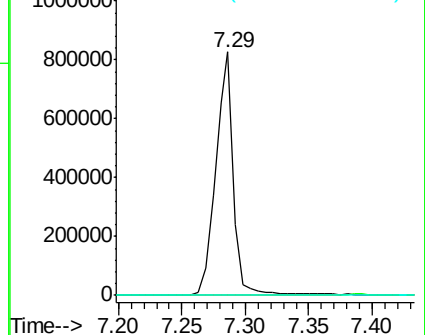
138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 2.582 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF102577.D

Acq: 29 Jan 2018 00:12

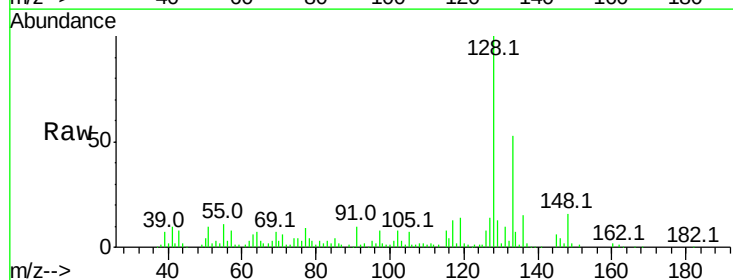
Tgt Ion:128 Resp: 86276

Ion Ratio Lower Upper

128 100

129 13.1 8.8 13.2

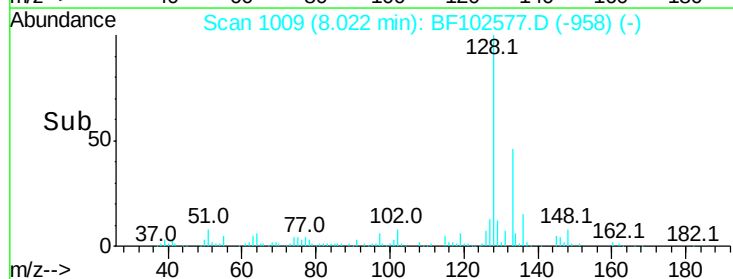
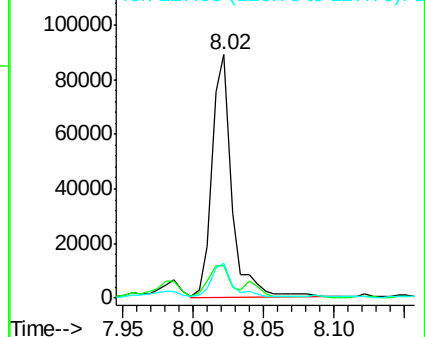
127 14.2 10.9 16.3

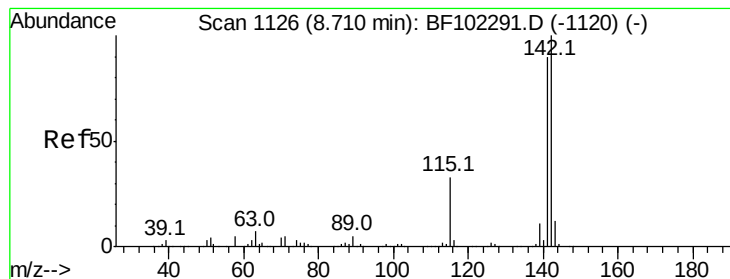


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 5.211 ng

RT: 8.71 min Scan# 1126

Delta R.T. -0.01 min

Lab File: BF102577.D

Acq: 29 Jan 2018 00:12

Instrument :

BNA_F

ClientSampleId :

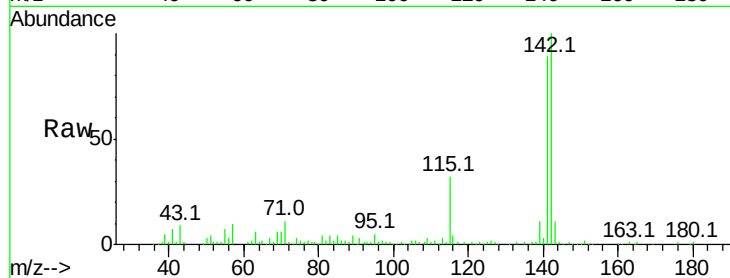
Tot Ion:142 Resp: 115974

Ion Ratio Lower Upper

142 100

141 88.7 70.8 106.2

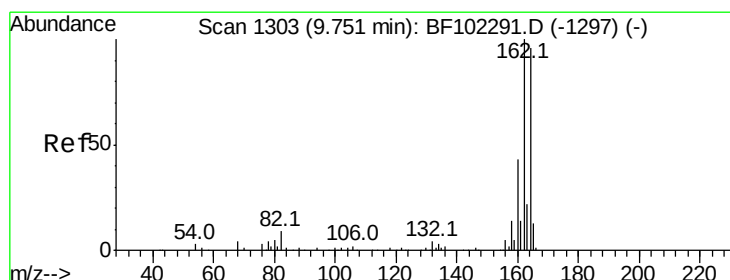
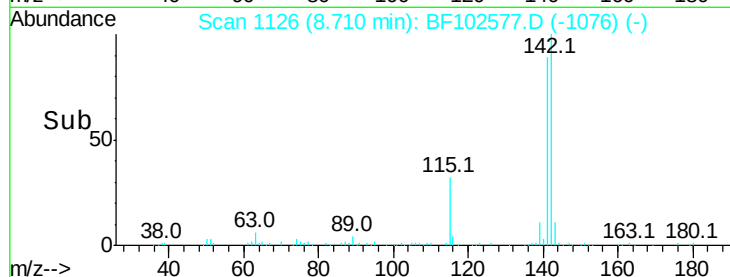
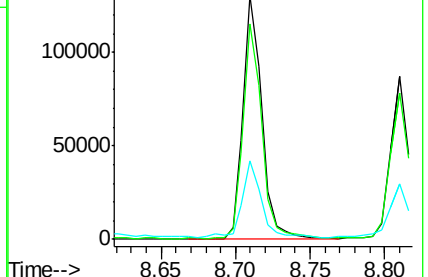
115 32.4 26.1 39.1



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: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF102577.D

Acq: 29 Jan 2018 00:12

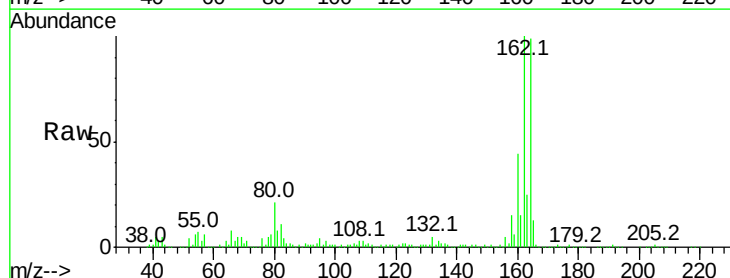
Tgt Ion:164 Resp: 248530

Ion Ratio Lower Upper

164 100

162 101.0 86.1 129.1

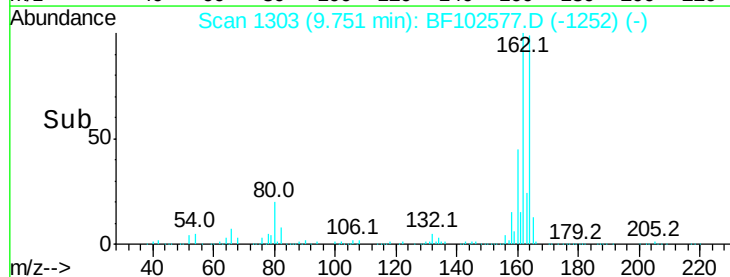
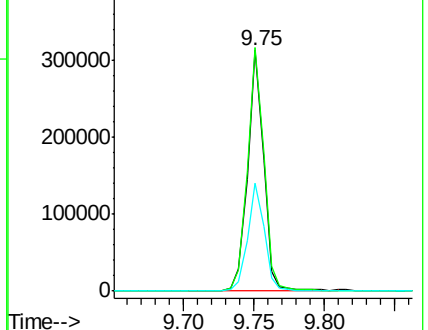
160 44.9 38.3 57.5

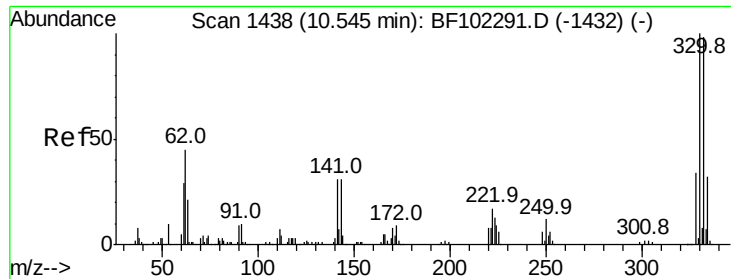


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

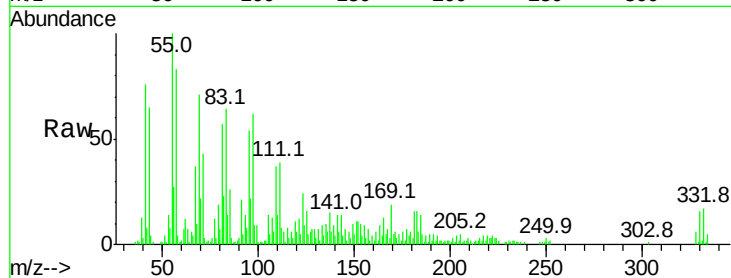




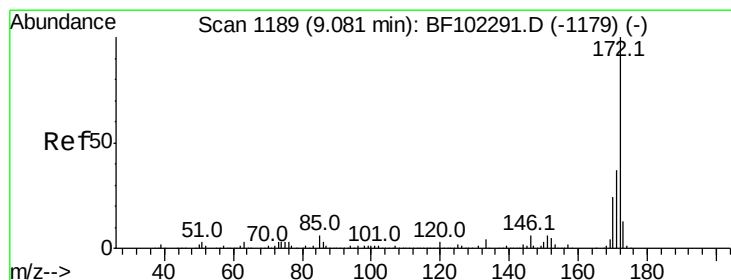
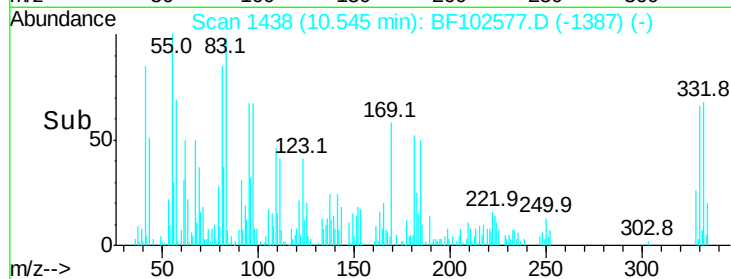
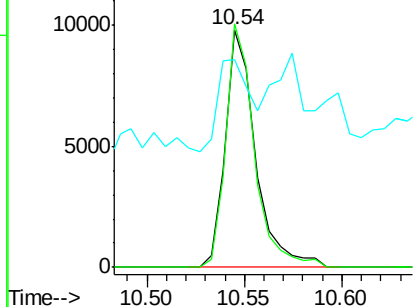
#41
 2,4,6-Tribromophenol
 Concen: 4.279 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102577.D
 Acq: 29 Jan 2018 00:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 10537
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 41.6 29.9 44.9

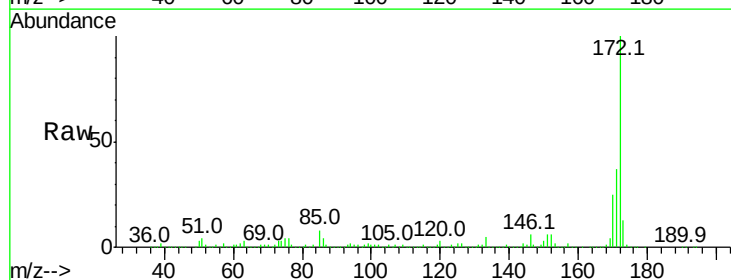


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

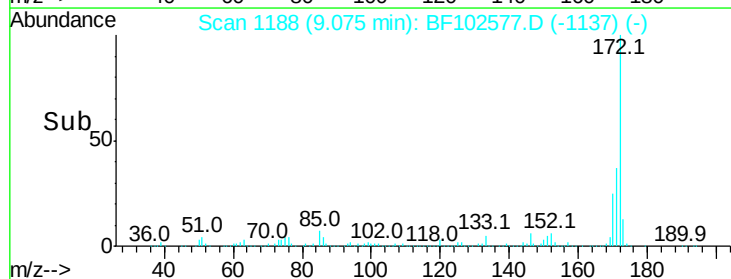
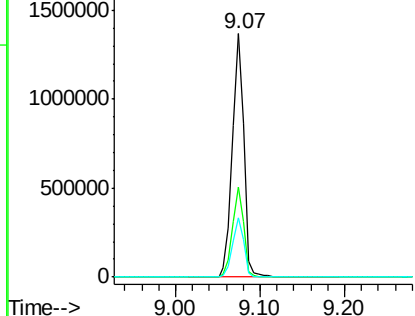


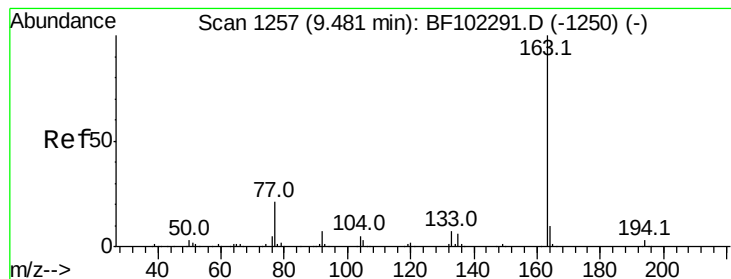
#44
 2-Fluorobiphenyl
 Concen: 75.135 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: BF102577.D
 Acq: 29 Jan 2018 00:12

Tgt Ion:172 Resp: 1269989
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.7 44.5
 170 24.6 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: 5.482 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF102577.D

Acq: 29 Jan 2018 00:12

Instrument :

BNA_F

ClientSampleId :

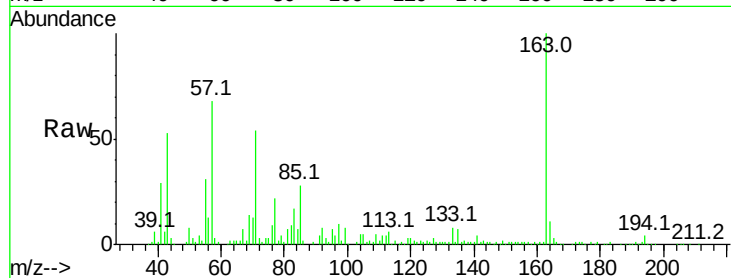
Tot Ion:163 Resp: 112608

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

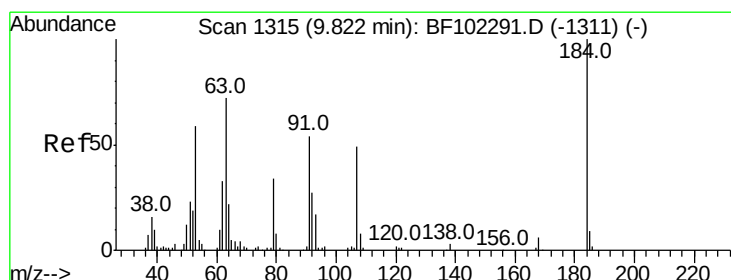
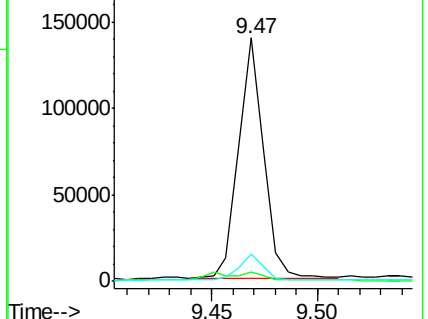
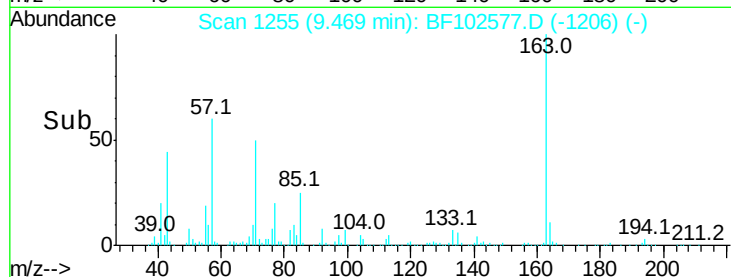
164 11.1 8.2 12.2



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: 3.816 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.13 min

Lab File: BF102577.D

Acq: 29 Jan 2018 00:12

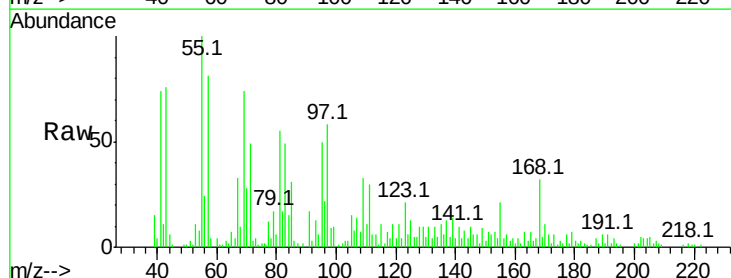
Tgt Ion:184 Resp: 250

Ion Ratio Lower Upper

184 100

63 274.2 54.2 81.2#

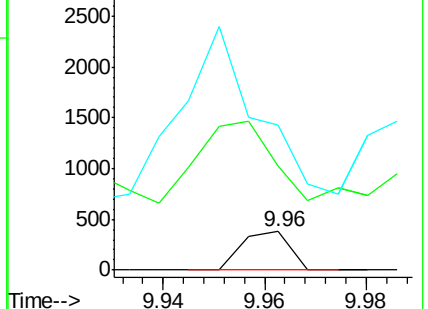
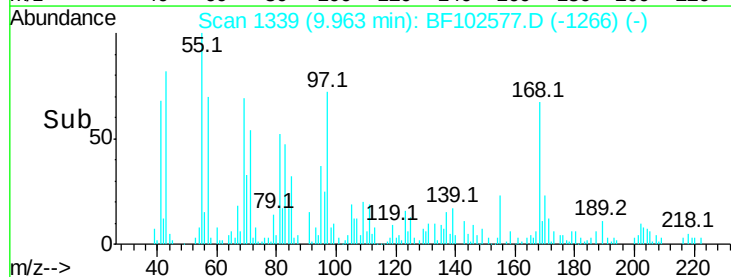
154 380.9 184.0 276.0#

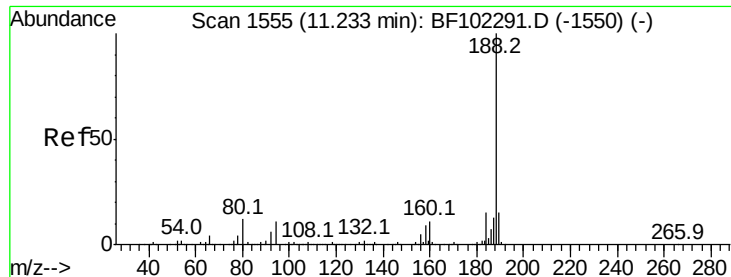


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

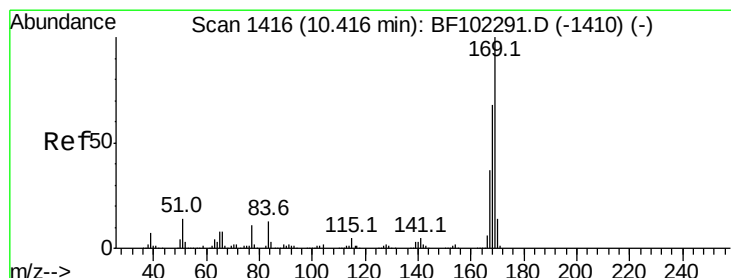
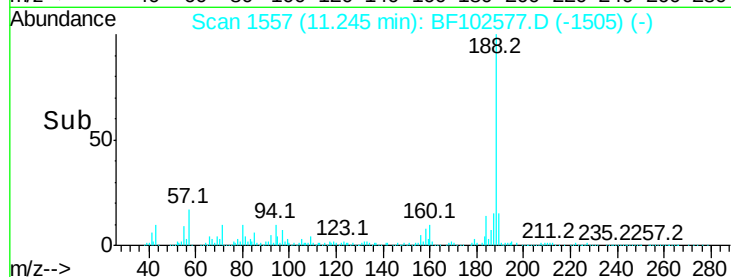
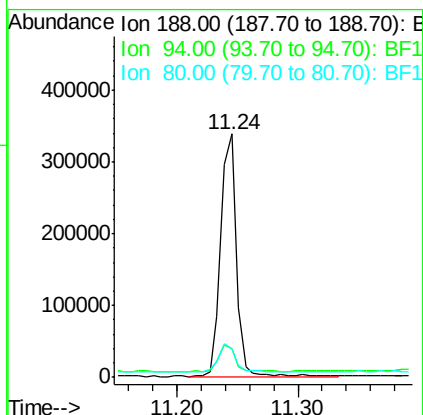
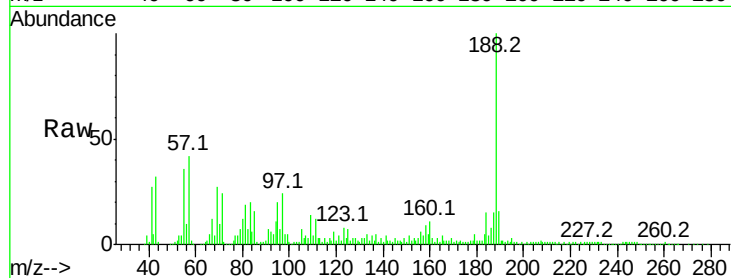




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. 0.01 min
Lab File: BF102577.D
Acq: 29 Jan 2018 00:12

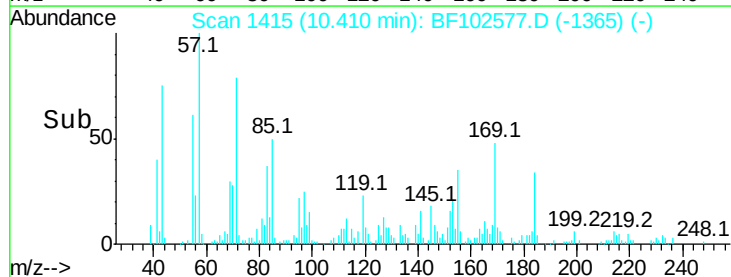
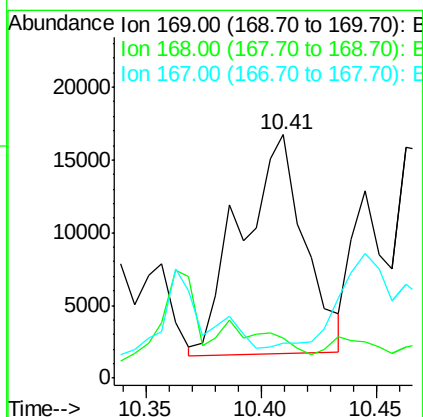
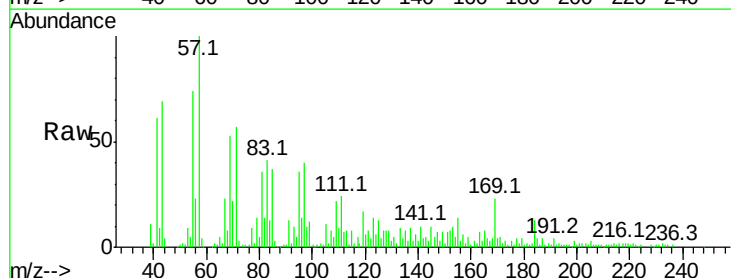
Instrument :
BNA_F
ClientSampled :

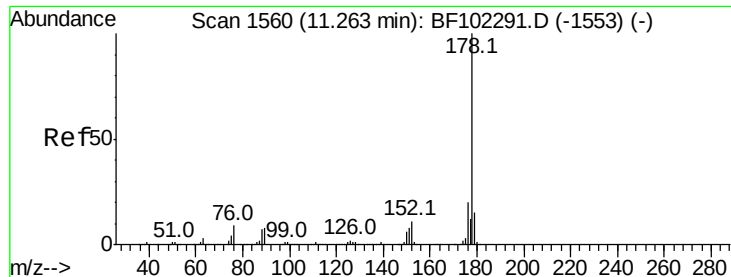
Tot Ion:188 Resp: 303691
Ion Ratio Lower Upper
188 100
94 11.5 8.5 12.7
80 11.8 9.2 13.8



#65
n-Nitrosodiphenylamine
Concen: 2.586 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BF102577.D
Acq: 29 Jan 2018 00:12

Tgt Ion:169 Resp: 28829
Ion Ratio Lower Upper
169 100
168 16.7 54.4 81.6#
167 14.5 29.8 44.6#





#70

Phenanthrene

Concen: 2.776 ng

RT: 11.27 min Scan# 1561

Delta R.T. 0.01 min

Lab File: BF102577.D

Acq: 29 Jan 2018 00:12

Instrument :

BNA_F

ClientSampleId :

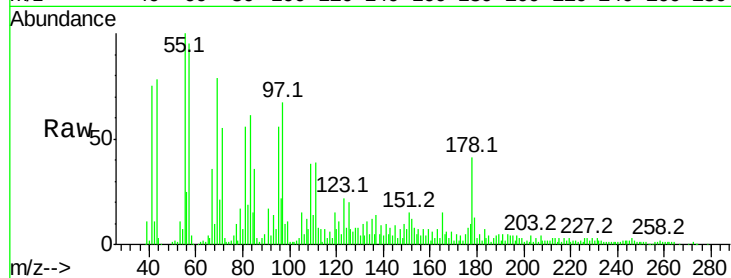
Tot Ion:178 Resp: 49125

Ion Ratio Lower Upper

178 100

176 20.9 15.8 23.8

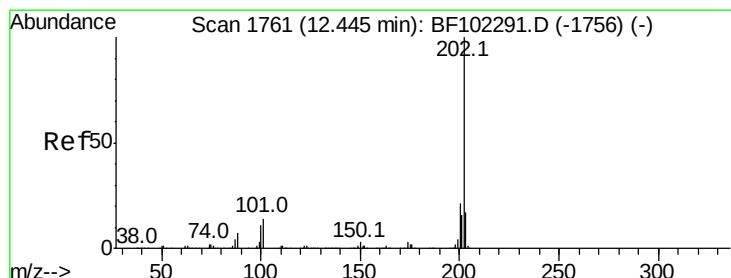
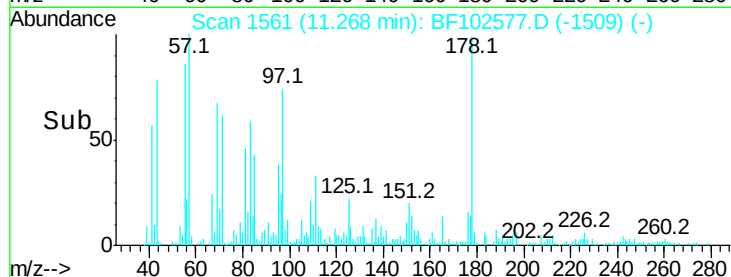
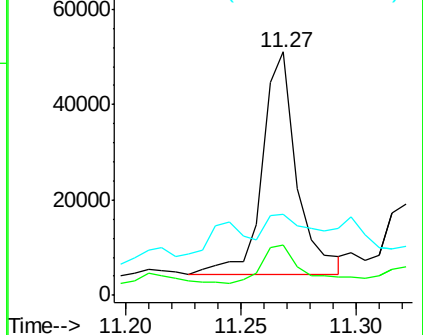
179 33.1 13.0 19.6#



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: 2.990 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.02 min

Lab File: BF102577.D

Acq: 29 Jan 2018 00:12

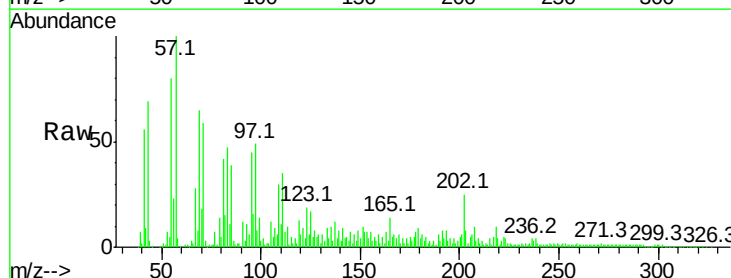
Tgt Ion:202 Resp: 53951

Ion Ratio Lower Upper

202 100

101 16.1 0.0 34.1

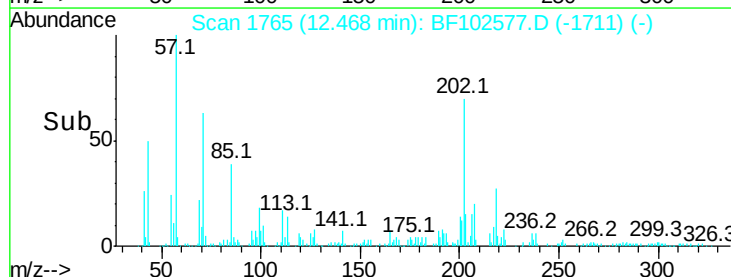
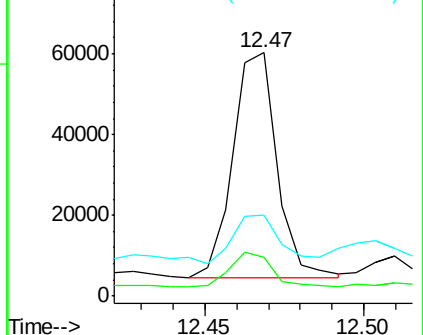
203 33.0 0.0 38.1

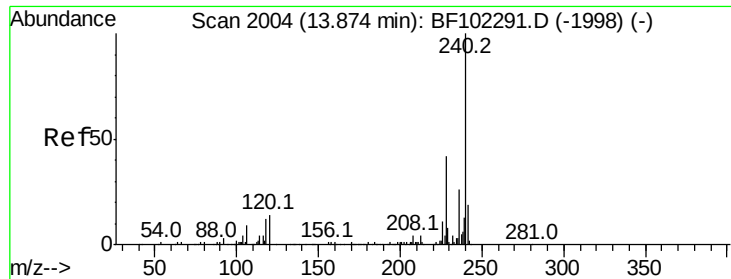


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.90 min Scan# 2008

Delta R.T. 0.02 min

Lab File: BF102577.D

Acq: 29 Jan 2018 00:12

Instrument :

BNA_F

ClientSampled :

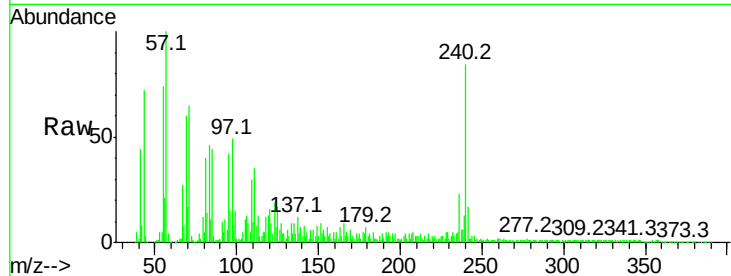
Tot Ion:240 Resp: 201065

Ion Ratio Lower Upper

240 100

120 19.3 9.5 14.3#

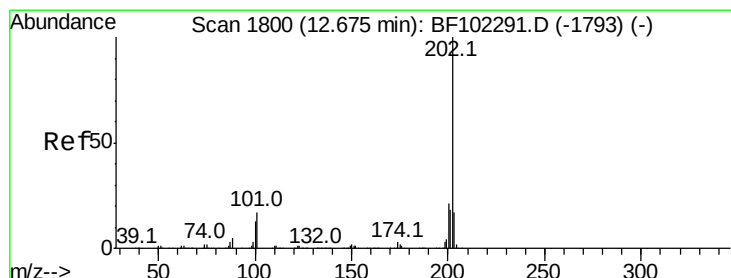
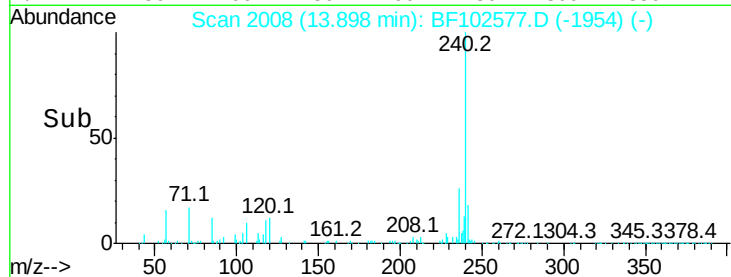
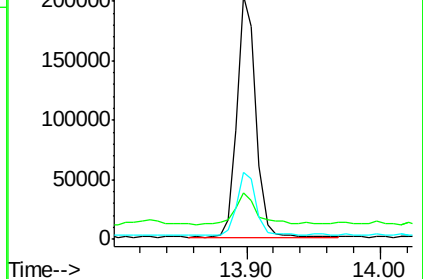
236 27.4 20.7 31.1



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

Pyrene

Concen: 4.460 ng

RT: 12.70 min Scan# 1804

Delta R.T. 0.02 min

Lab File: BF102577.D

Acq: 29 Jan 2018 00:12

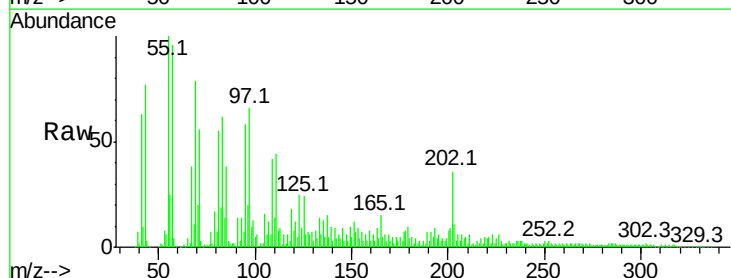
Tgt Ion:202 Resp: 69326

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

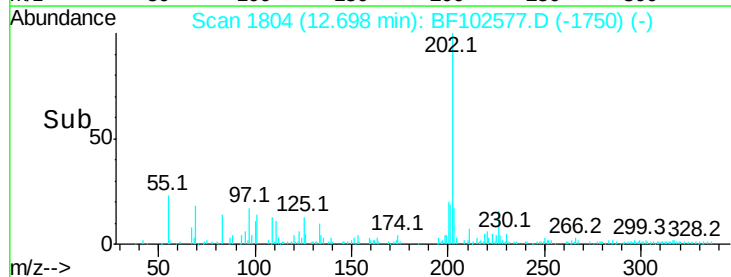
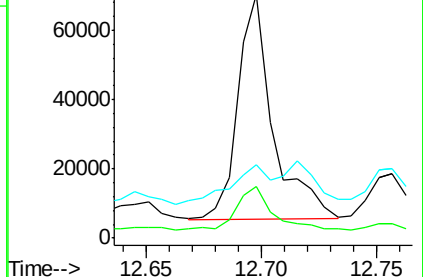
203 30.2 14.3 21.5#

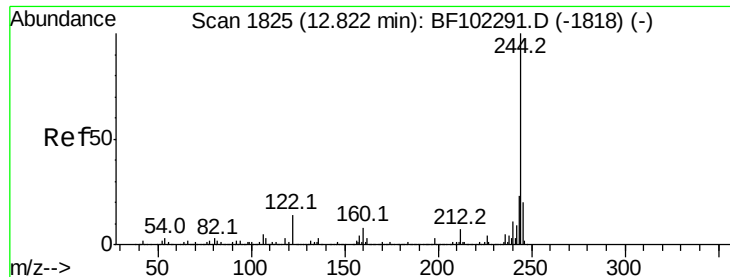


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

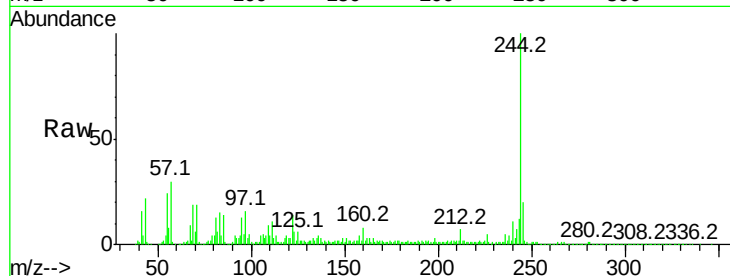




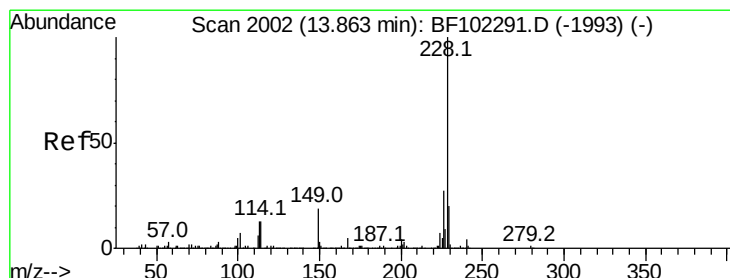
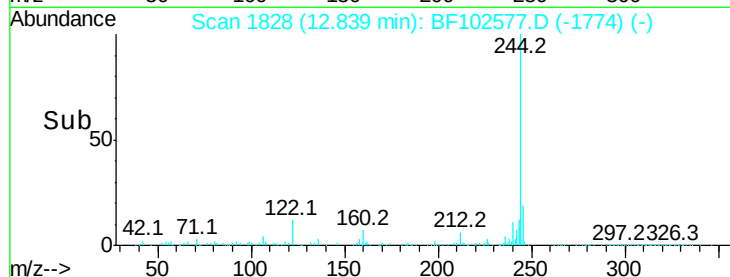
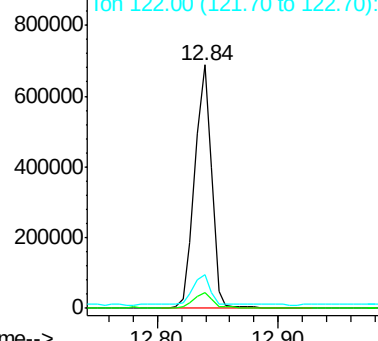
#78
 Terphenyl-d14
 Concen: 73.660 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. 0.02 min
 Lab File: BF102577.D
 Acq: 29 Jan 2018 00:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 656967
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 13.7 11.0 16.4

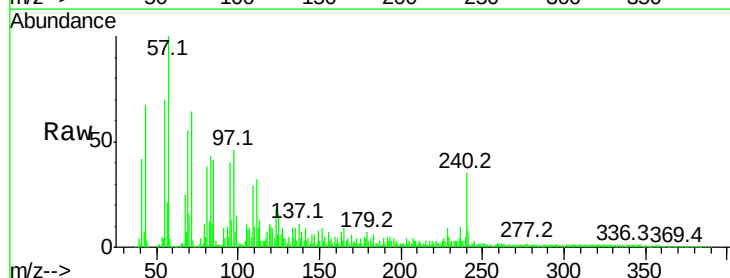


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

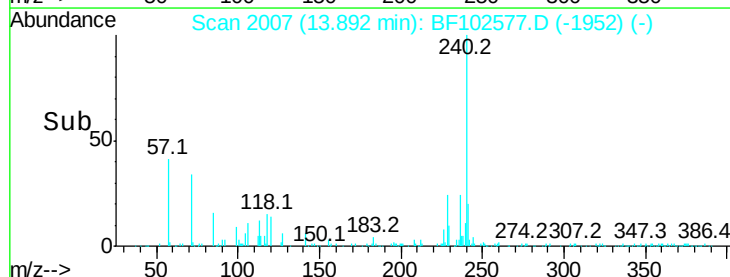
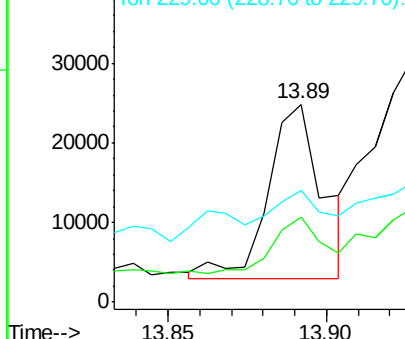


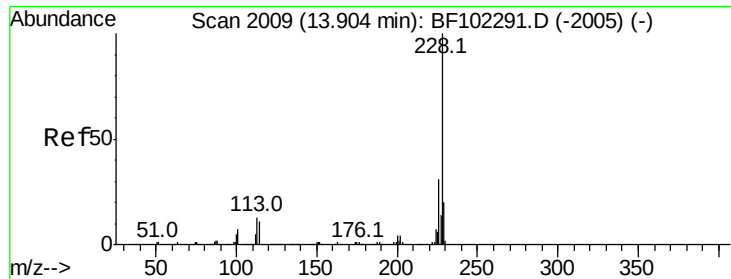
#80
 Benzo(a)anthracene
 Concen: 2.138 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. 0.02 min
 Lab File: BF102577.D
 Acq: 29 Jan 2018 00:12

Tgt Ion:228 Resp: 26469
 Ion Ratio Lower Upper
 228 100
 226 43.0 22.6 33.8#
 229 56.5 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: 3.041 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.02 min

Lab File: BF102577.D

Acq: 29 Jan 2018 00:12

Instrument :

BNA_F

ClientSampleId :

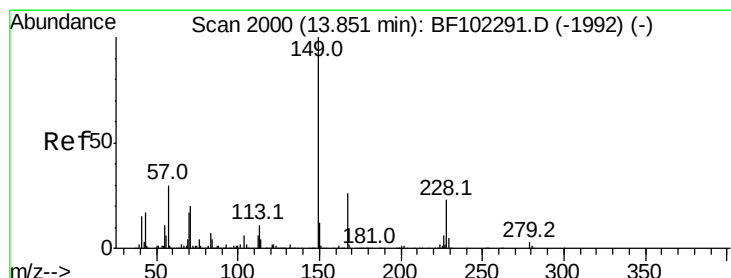
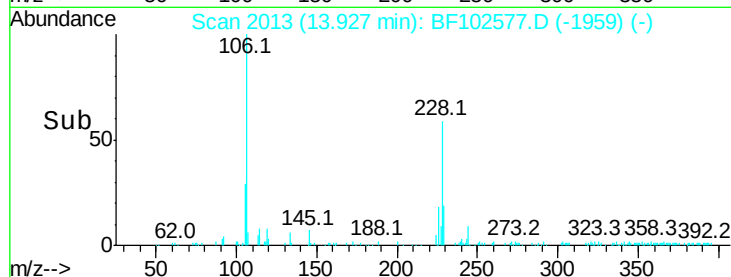
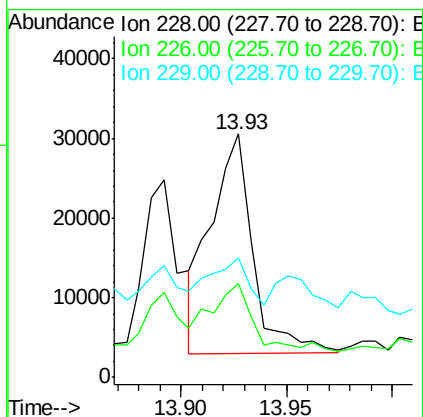
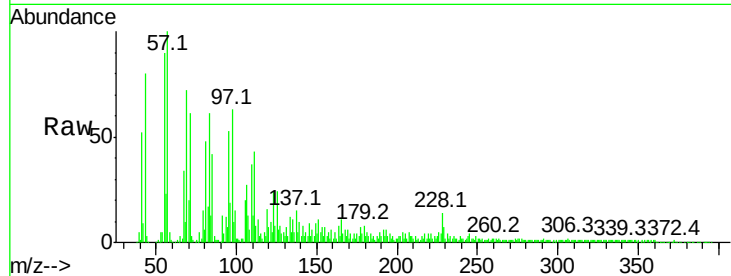
Tot Ion:228 Resp: 38231

Ion Ratio Lower Upper

228 100

226 38.3 25.0 37.6#

229 49.3 16.2 24.4#



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.735 ng

RT: 13.86 min Scan# 2002

Delta R.T. 0.01 min

Lab File: BF102577.D

Acq: 29 Jan 2018 00:12

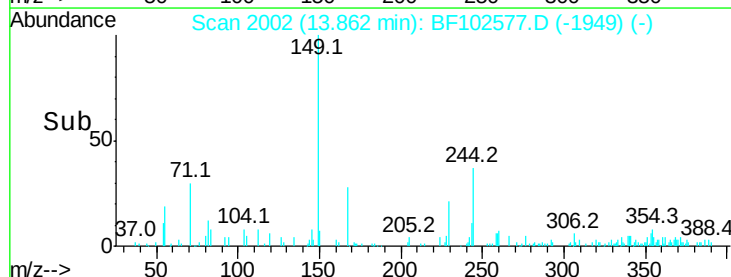
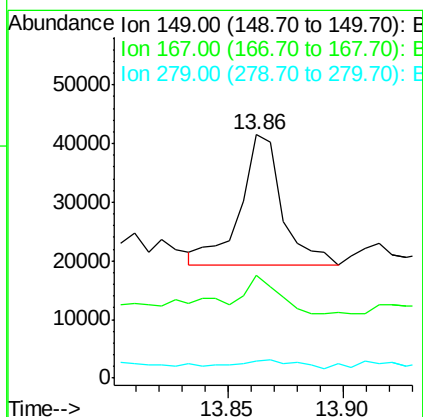
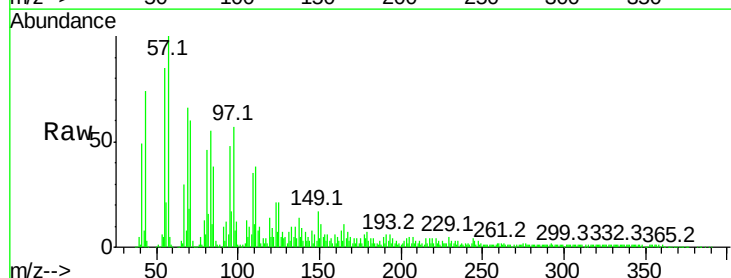
Tgt Ion:149 Resp: 28436

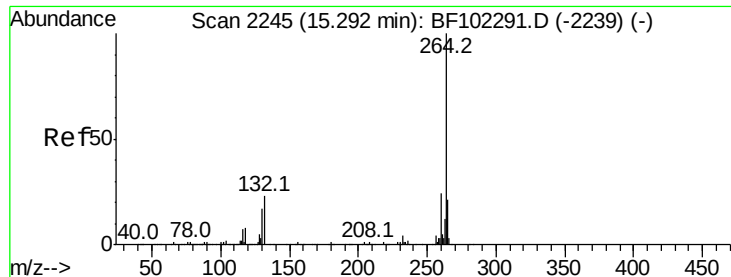
Ion Ratio Lower Upper

149 100

167 42.5 21.3 31.9#

279 6.8 3.0 4.4#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.34 min Scan# 2253

Delta R.T. 0.04 min

Lab File: BF102577.D

Acq: 29 Jan 2018 00:12

Instrument :

BNA_F

ClientSampleId :

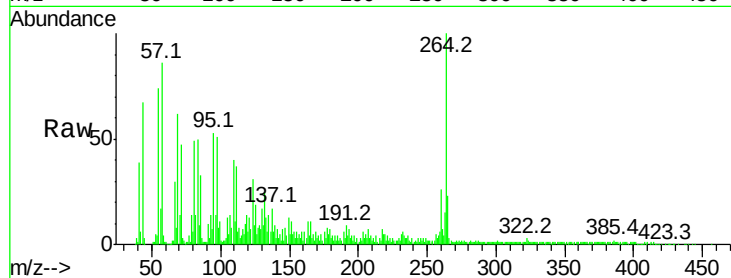
Tot Ion:264 Resp: 160360

Ion Ratio Lower Upper

264 100

260 25.5 19.2 28.8

265 22.6 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

15.34

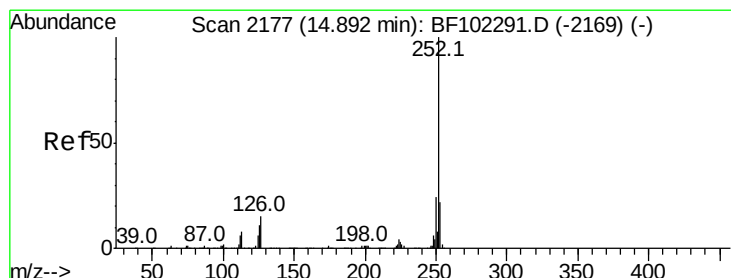
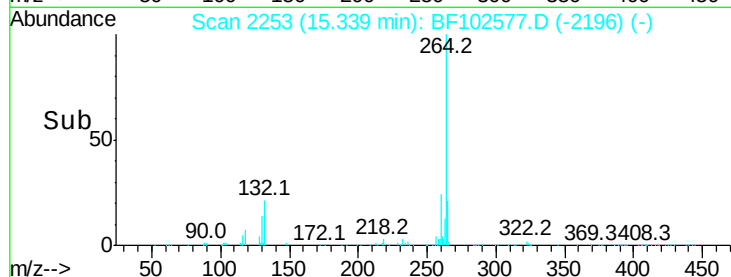
100000

50000

0

15.30 15.40

Time-->



#87

Benzo(b)fluoranthene

Concen: 3.417 ng

RT: 14.93 min Scan# 2183

Delta R.T. 0.03 min

Lab File: BF102577.D

Acq: 29 Jan 2018 00:12

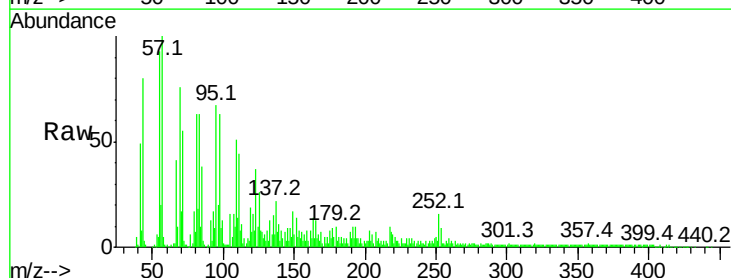
Tgt Ion:252 Resp: 35515

Ion Ratio Lower Upper

252 100

253 53.5 17.0 25.6#

125 158.2 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

14.93

50000

40000

30000

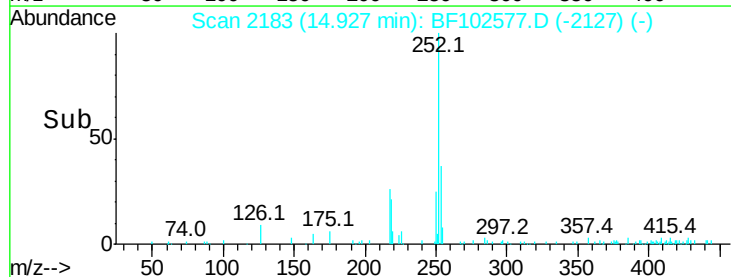
20000

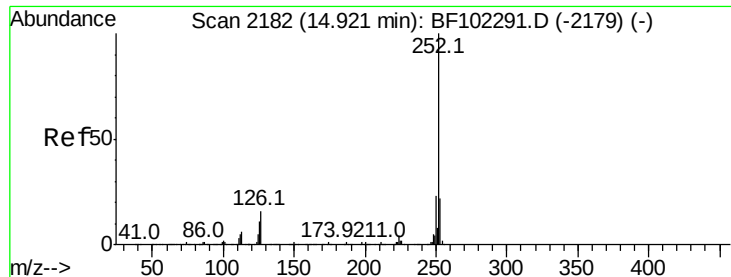
10000

0

14.85 14.90 14.95 15.00

Time-->

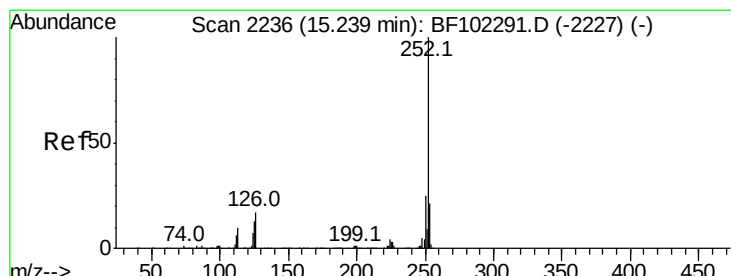
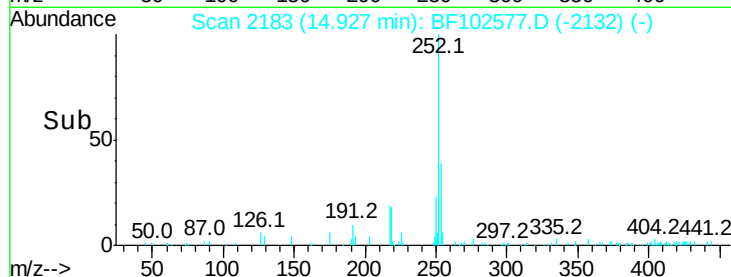
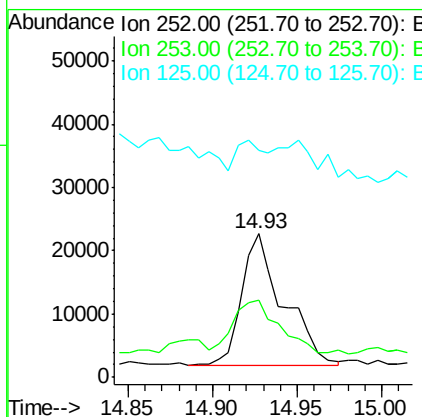
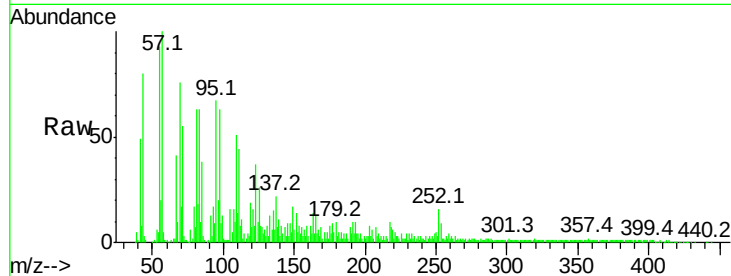




#88
Benzo(k)fluoranthene
Concen: 3.617 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.00 min
Lab File: BF102577.D
Acq: 29 Jan 2018 00:12

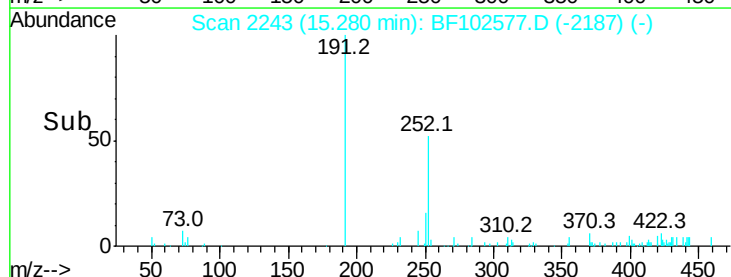
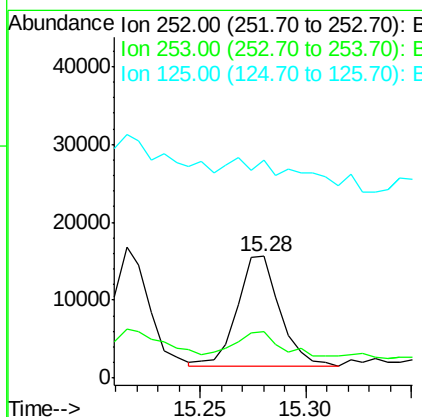
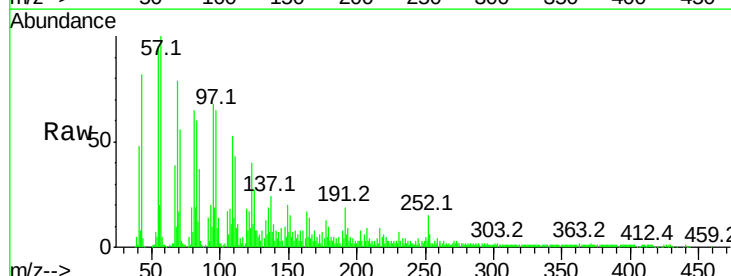
Instrument :
BNA_F
ClientSampleId :

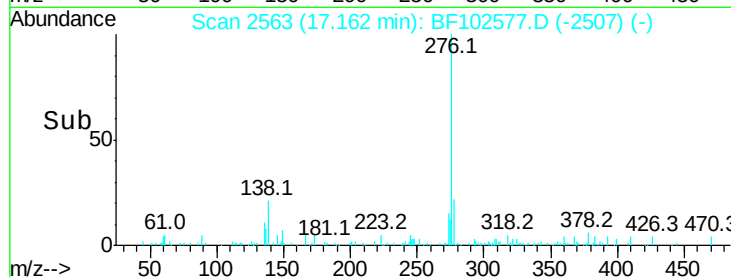
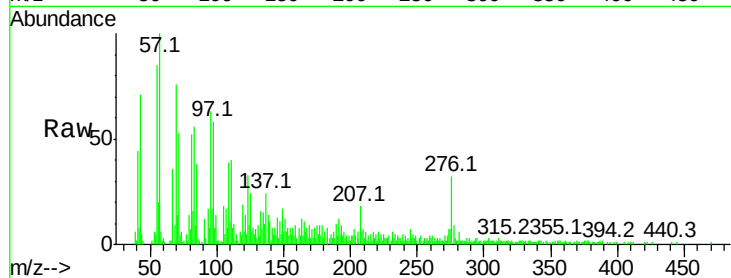
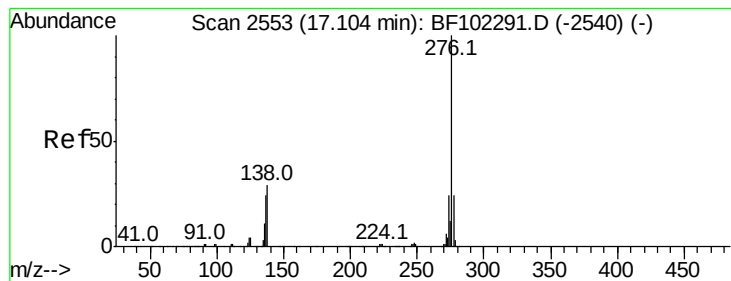
Tot Ion	Ratio	Lower	Upper
252	100		
253	53.5	17.9	26.9#
125	158.2	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 2.079 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.03 min
Lab File: BF102577.D
Acq: 29 Jan 2018 00:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	37.8	17.1	25.7#
125	179.8	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 2.743 ng

RT: 17.16 min Scan# 2563

Delta R.T. 0.03 min

Lab File: BF102577.D

Acq: 29 Jan 2018 00:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 20568

Ion Ratio Lower Upper

276 100

277 28.1 17.9 26.9#

138 43.4 21.8 32.8#

