

Data Path : U:\HPCHEM1\BNA F\DATA\BF013018\
 Data File : BF102650.D
 Acq On : 30 Jan 2018 20:09
 Operator : SJ/JU
 Sample : J1362-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

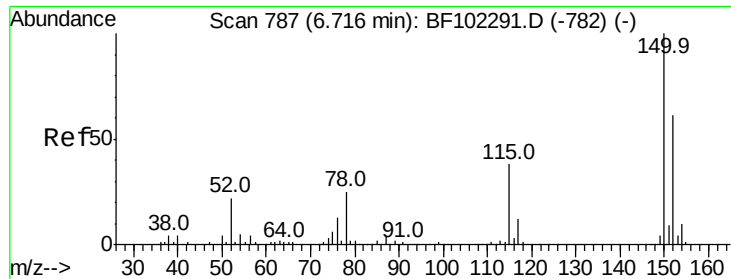
Quant Time: Jan 30 22:20:39 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	161667	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	651270	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	276639	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	425088	20.00	ng	0.00
75) Chrysene-d12	13.87	240	274069	20.00	ng	0.00
86) Perylene-d12	15.31	264	274548	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	1124754	105.49	ng	0.00
7) Phenol-d6	6.36	99	1385179	107.76	ng	0.00
23) Nitrobenzene-d5	7.28	82	848443	74.87	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	193436	70.57	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1344788	71.48	ng	0.00
78) Terphenyl-d14	12.82	244	928257	76.35	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	110105	13.997	ng	# 79
25) Isophorone	7.28	82	849001	42.022	ng	# 64
27) 2,4-Dimethylphenol	7.77	122	19551	2.206	ng	# 4
32) Benzoic acid	7.77	122	19551	2.633	ng	88
49) Dimethylphthalate	9.46	163	138796	6.070	ng	99
53) 2,4-Dinitrophenol	9.93	184	122	3.748	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	13343	2.916	ng	# 1
70) Phenanthrene	11.26	178	334912	13.520	ng	98
71) Anthracene	11.31	178	95725	3.786	ng	99
74) Fluoranthene	12.44	202	512628	20.294	ng	99
77) Pyrene	12.67	202	456448	21.541	ng	100
80) Benzo(a)anthracene	13.86	228	219962	13.036	ng	98
82) Chrysene	13.90	228	195129	11.388	ng	97
83) Bis(2-ethylhexyl)phthalate	13.84	149	67503	4.763	ng	98
85) Indeno(1,2,3-cd)pyrene	16.72	276	88244	6.236	ng	98
87) Benzo(b)fluoranthene	14.90	252	327461	18.402	ng	# 88
88) Benzo(k)fluoranthene	14.90	252	327461	19.478	ng	# 91
89) Benzo(a)pyrene	15.25	252	176062	10.970	ng	# 93
91) Benzo(a,h,i)perylene	17.14	276	86074	6.705	ng	92

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

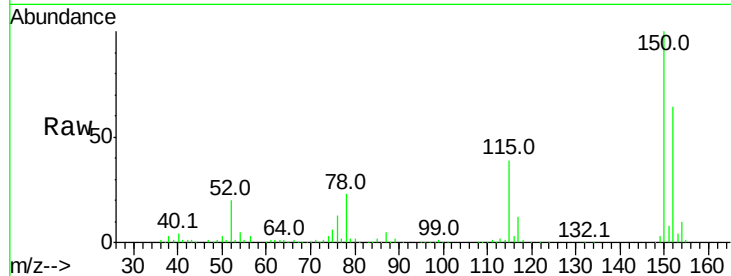


#1

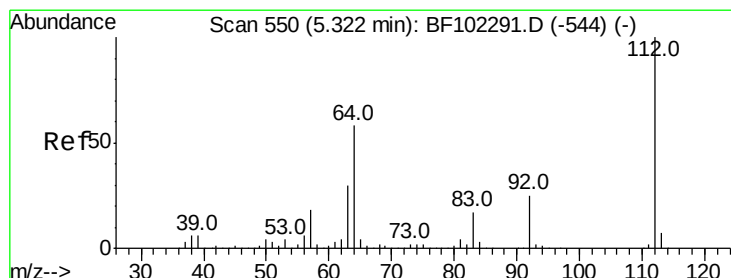
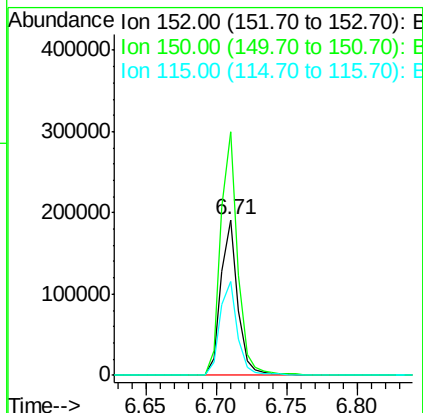
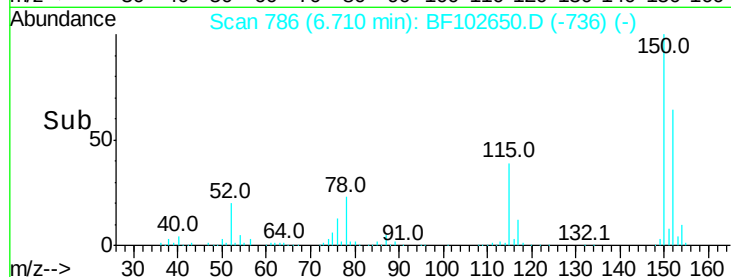
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102650.D
Acq: 30 Jan 2018 20:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 161667
Ion Ratio Lower Upper
152 100
150 156.4 124.6 186.8
115 60.3 50.1 75.1



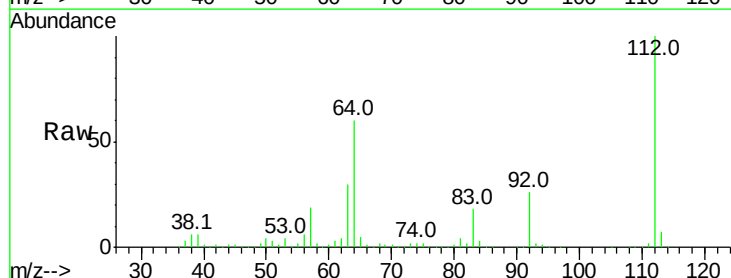
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



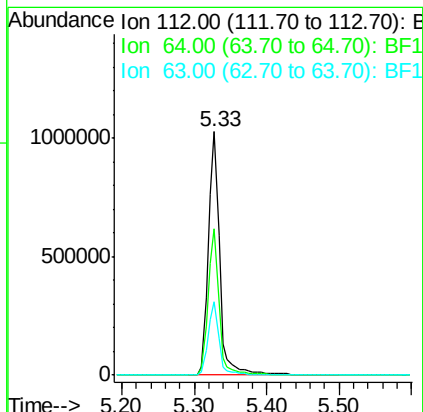
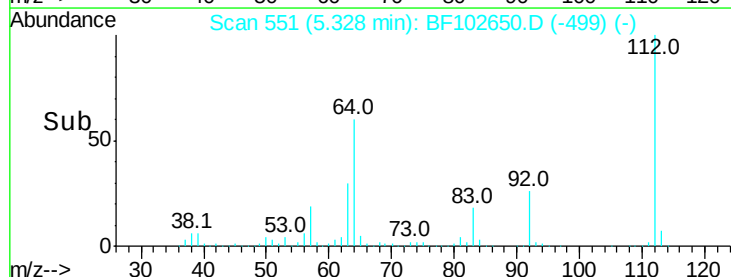
#5

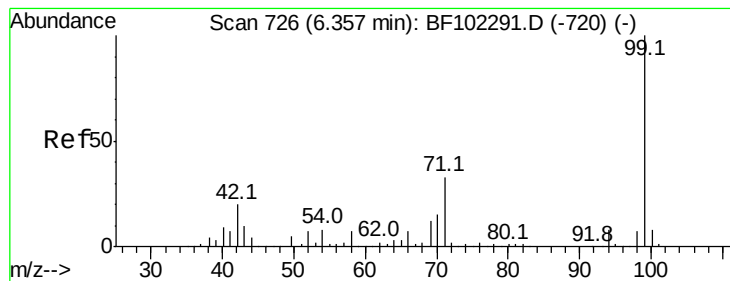
2-Fluorophenol
Concen: 105.490 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102650.D
Acq: 30 Jan 2018 20:09

Tgt Ion:112 Resp: 1124754
Ion Ratio Lower Upper
112 100
64 60.2 47.9 71.9
63 30.2 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: 107.760 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102650.D

Acq: 30 Jan 2018 20:09

Instrument :

BNA_F

ClientSampleId :

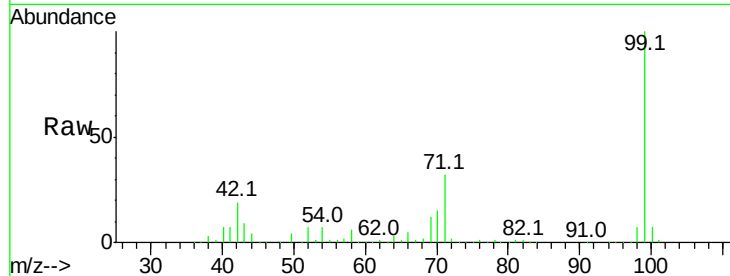
Tot Ion: 99 Resp: 1385179

Ion Ratio Lower Upper

99 100

42 18.6 14.5 21.7

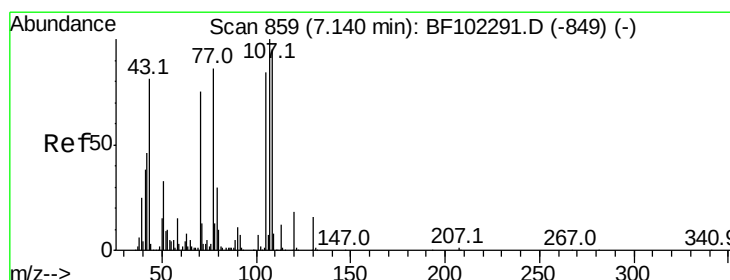
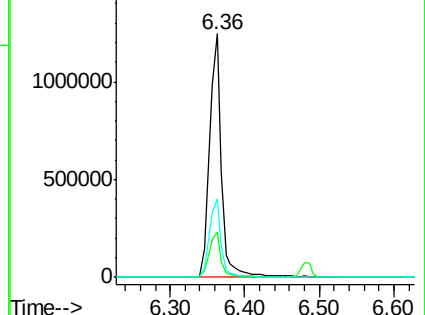
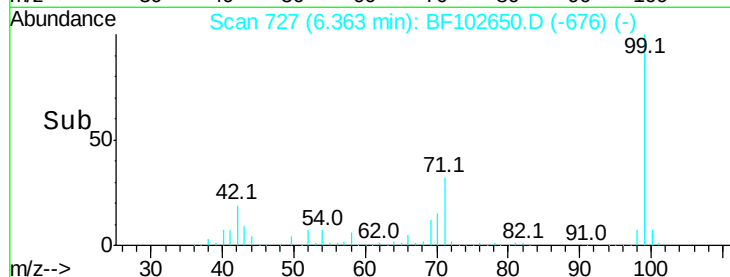
71 32.5 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.997 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF102650.D

Acq: 30 Jan 2018 20:09

Tgt Ion: 70 Resp: 110105

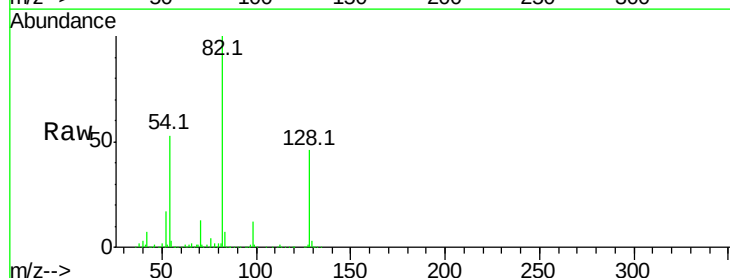
Ion Ratio Lower Upper

70 100

42 49.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

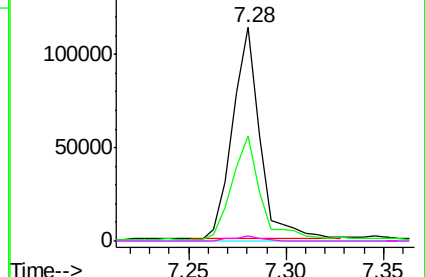
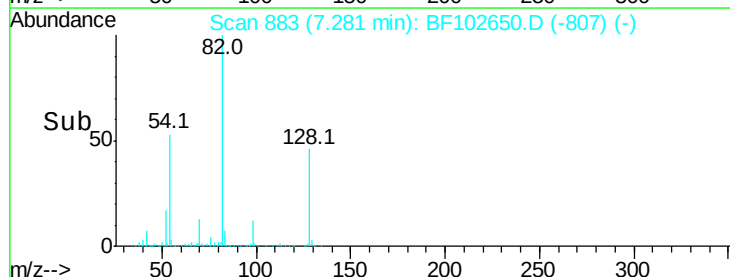


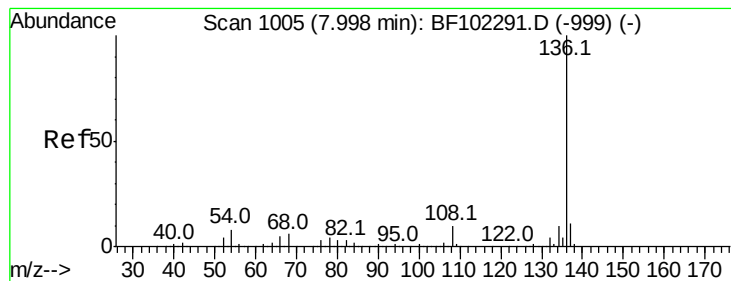
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF102650.D

Acq: 30 Jan 2018 20:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 651270

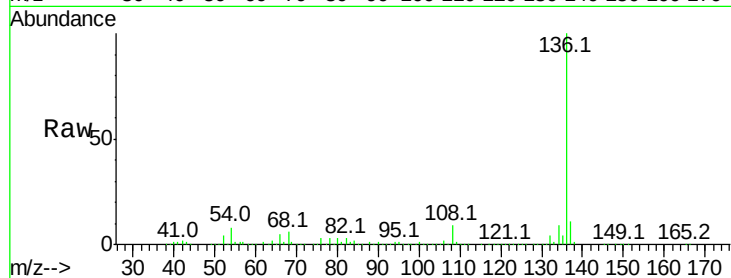
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 7.9 6.6 9.8

68 5.8 5.0 7.4

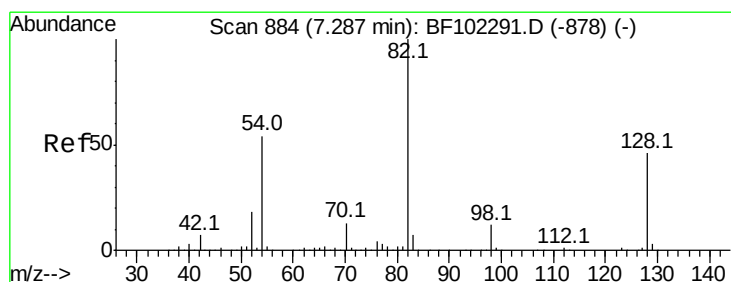
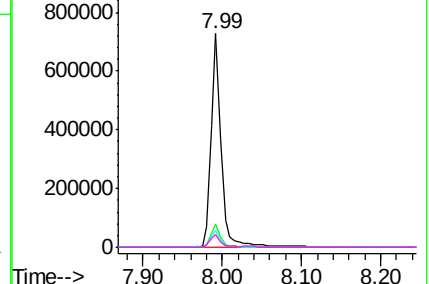
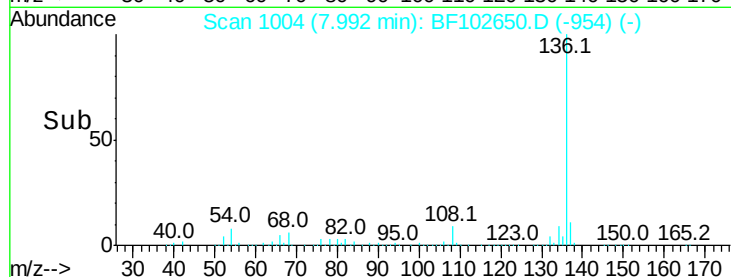


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.865 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102650.D

Acq: 30 Jan 2018 20:09

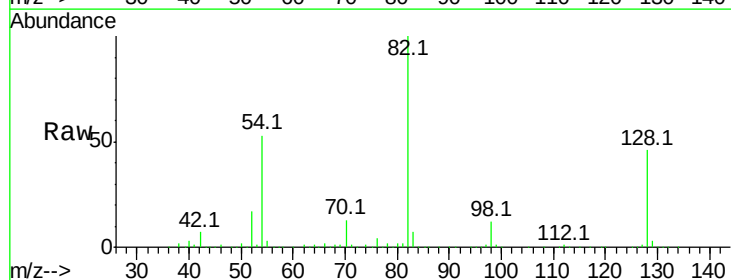
Tgt Ion: 82 Resp: 848443

Ion Ratio Lower Upper

82 100

128 46.1 36.1 54.1

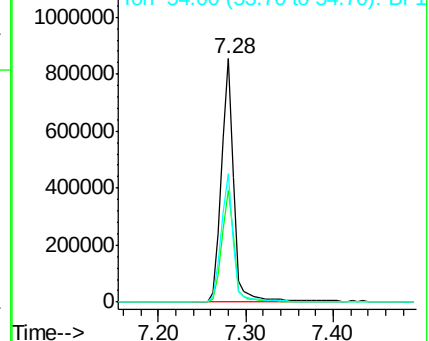
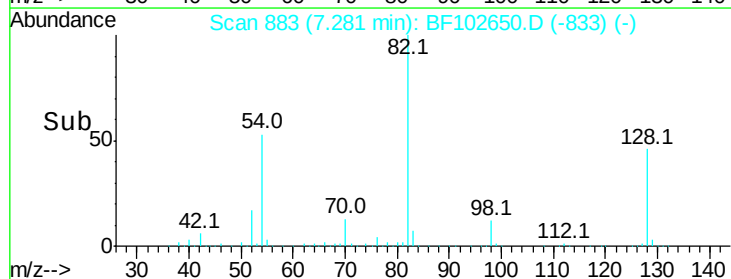
54 53.0 41.4 62.2

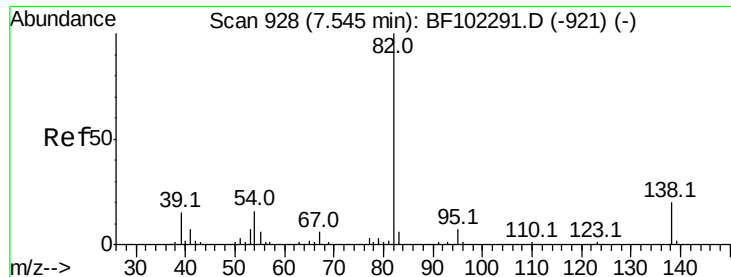


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.022 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF102650.D

Acq: 30 Jan 2018 20:09

Instrument :

BNA_F

ClientSampleId :

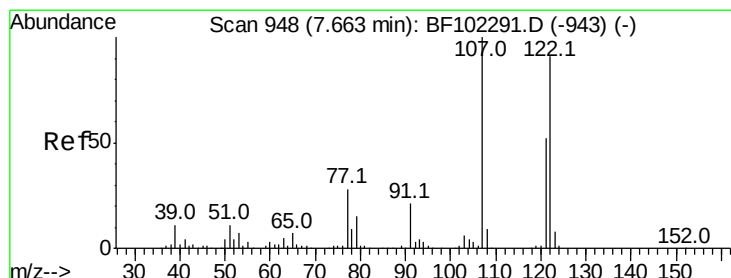
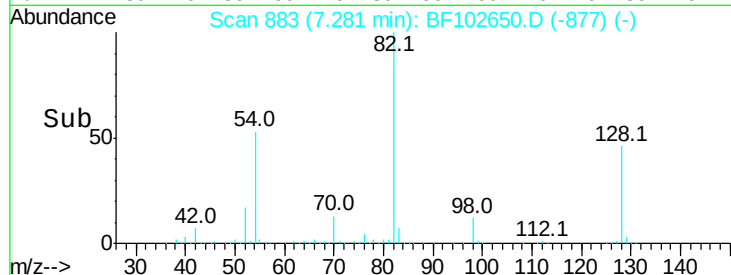
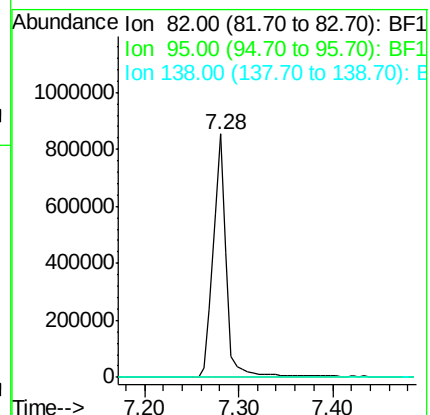
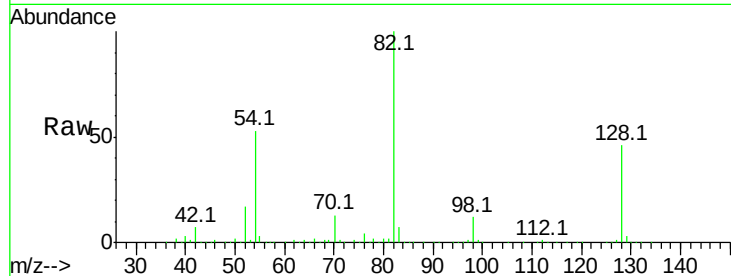
Tot Ion: 82 Resp: 849001

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



#27

2,4-Dimethylphenol

Concen: 2.206 ng

RT: 7.77 min Scan# 966

Delta R.T. 0.11 min

Lab File: BF102650.D

Acq: 30 Jan 2018 20:09

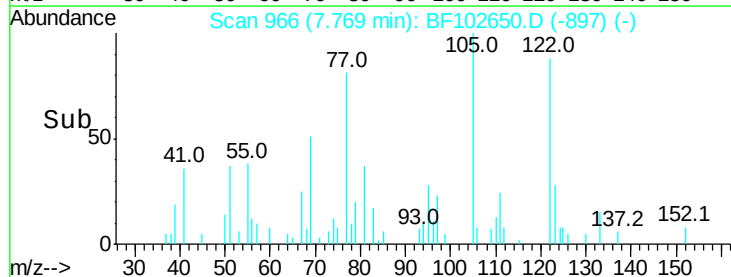
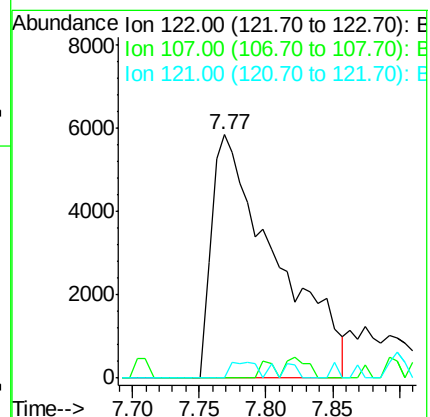
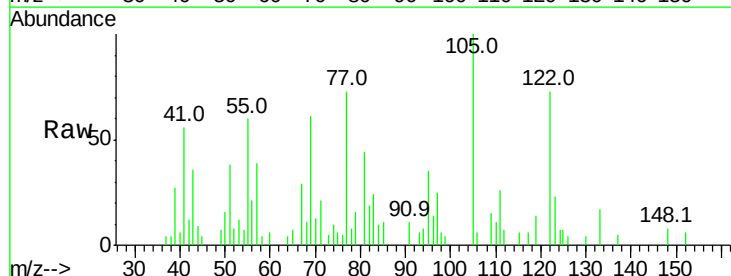
Tgt Ion: 122 Resp: 19551

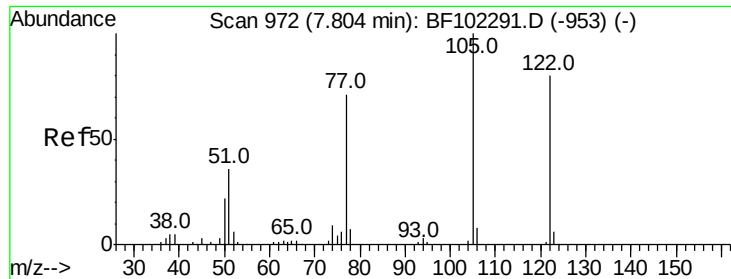
Ion Ratio Lower Upper

122 100

107 0.0 91.2 136.8#

121 0.0 47.2 70.8#





#32

Benzoic acid

Concen: 2.633 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.04 min

Lab File: BF102650.D

Acq: 30 Jan 2018 20:09

Instrument :

BNA_F

ClientSampled :

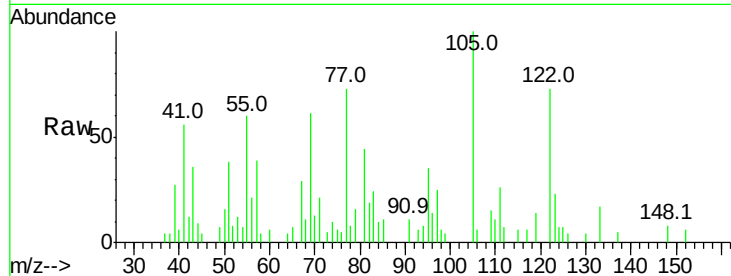
Tot Ion:122 Resp: 19551

Ion Ratio Lower Upper

122 100

105 137.4 101.1 141.1

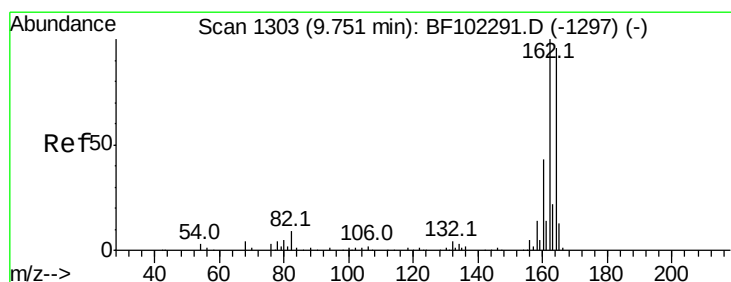
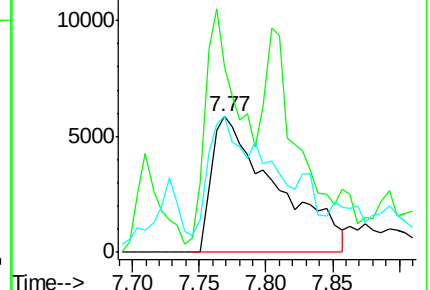
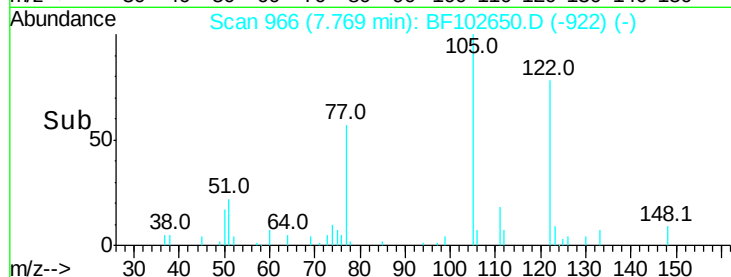
77 99.9 70.7 110.7



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF102650.D

Acq: 30 Jan 2018 20:09

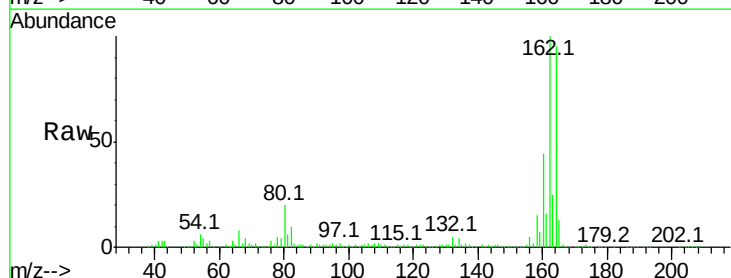
Tgt Ion:164 Resp: 276639

Ion Ratio Lower Upper

164 100

162 104.9 86.1 129.1

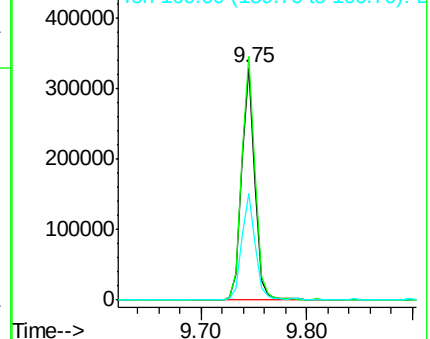
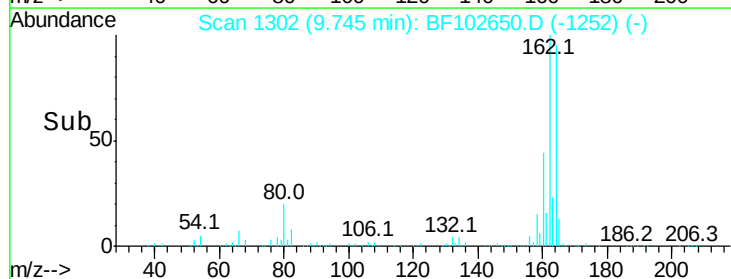
160 46.2 38.3 57.5

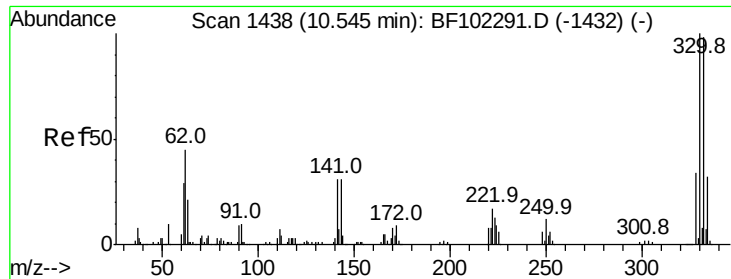


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

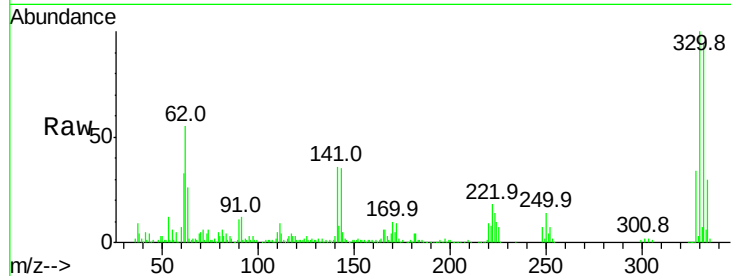




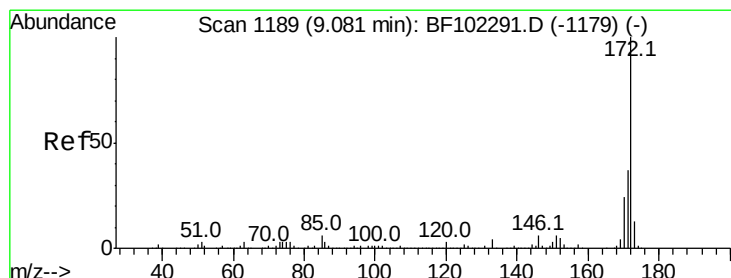
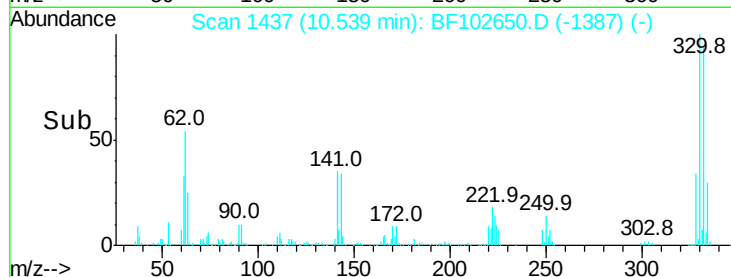
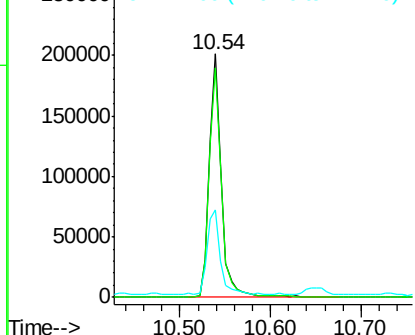
#41
 2,4,6-Tribromophenol
 Concen: 70.569 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102650.D
 Acq: 30 Jan 2018 20:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 193436
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 37.5 29.9 44.9

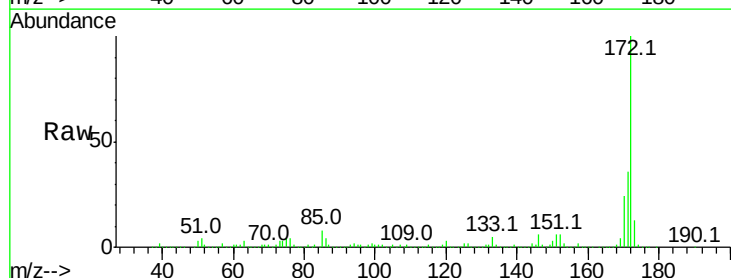


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

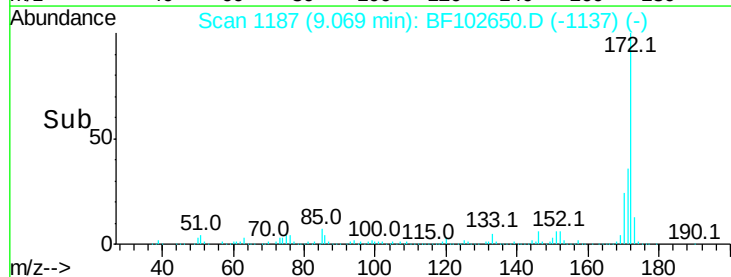
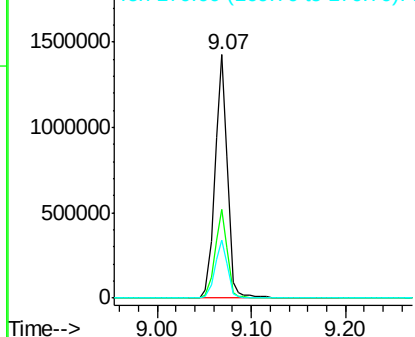


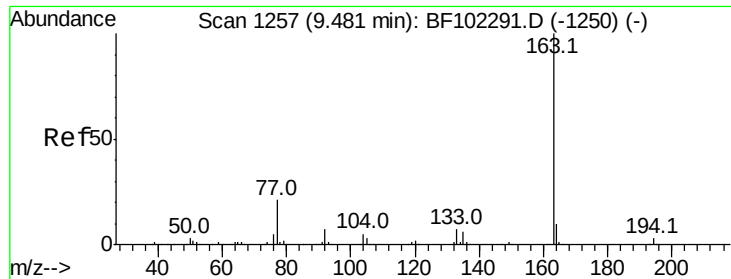
#44
 2-Fluorobiphenyl
 Concen: 71.476 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102650.D
 Acq: 30 Jan 2018 20:09

Tgt Ion:172 Resp: 1344788
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 24.1 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: 6.070 ng

RT: 9.46 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF102650.D

Acq: 30 Jan 2018 20:09

Instrument :

BNA_F

ClientSampleId :

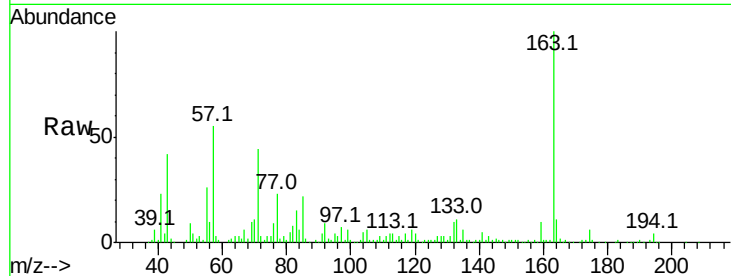
Tot Ion:163 Resp: 138796

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

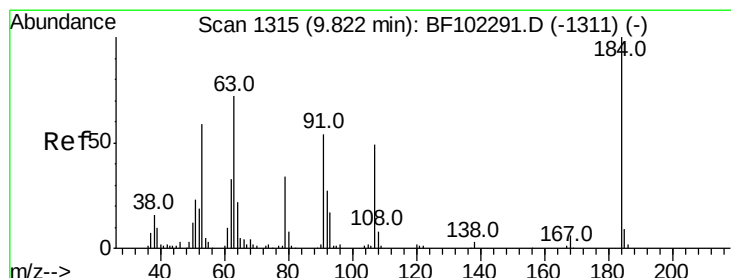
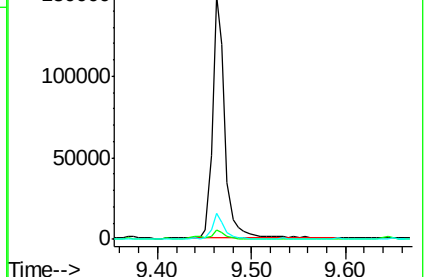
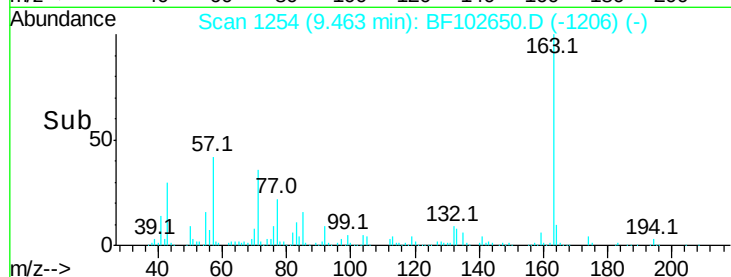
164 10.6 8.2 12.2



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: 3.748 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.10 min

Lab File: BF102650.D

Acq: 30 Jan 2018 20:09

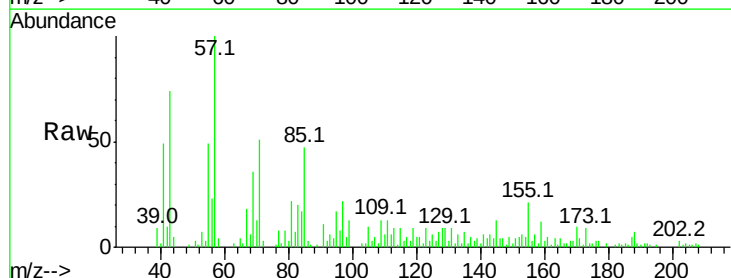
Tgt Ion:184 Resp: 122

Ion Ratio Lower Upper

184 100

63 163.5 54.2 81.2#

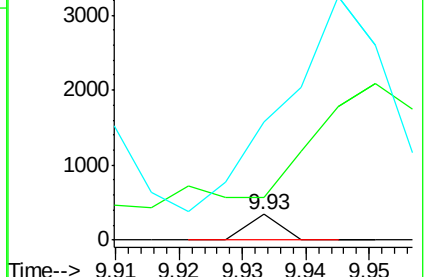
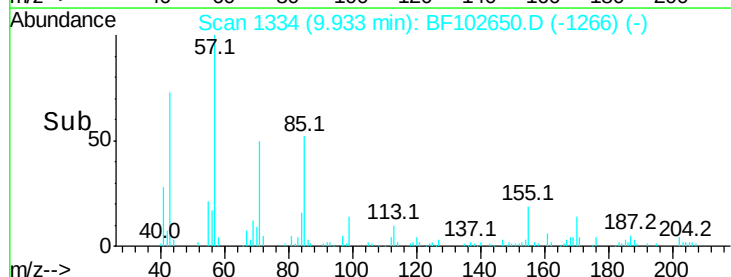
154 458.3 184.0 276.0#

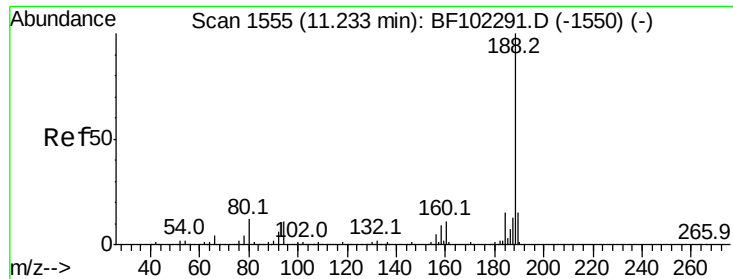


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

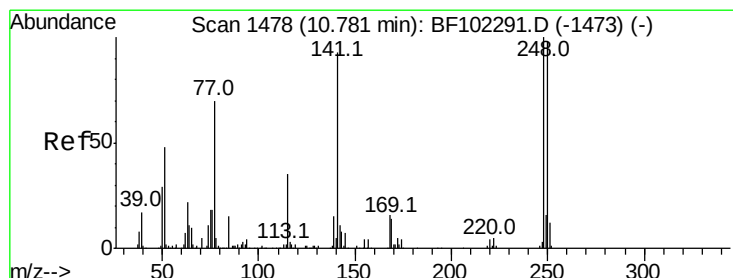
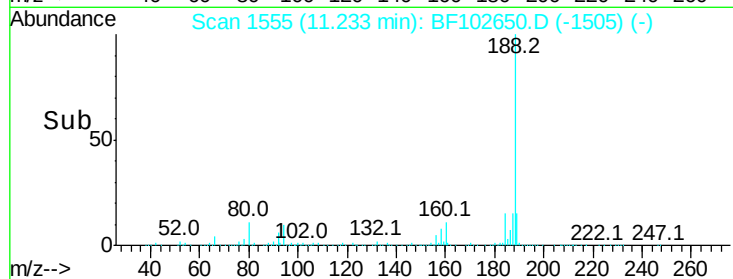
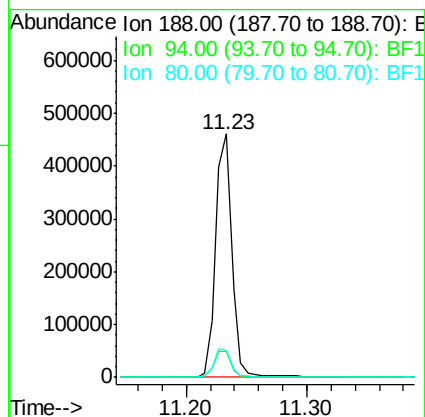
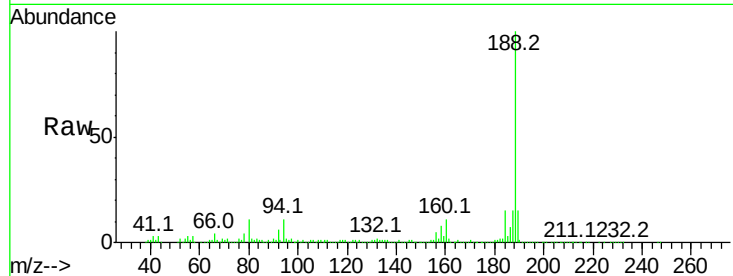




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102650.D
Acq: 30 Jan 2018 20:09

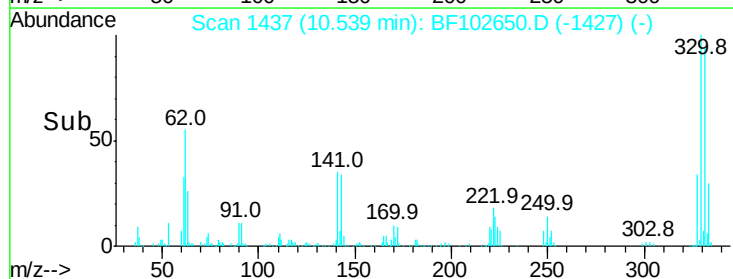
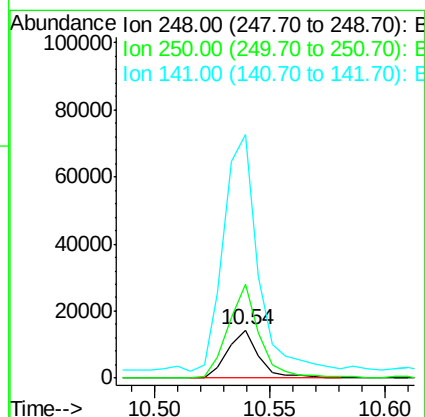
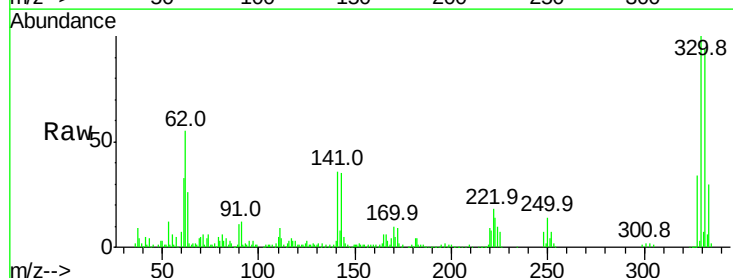
Instrument :
BNA_F
ClientSampled :

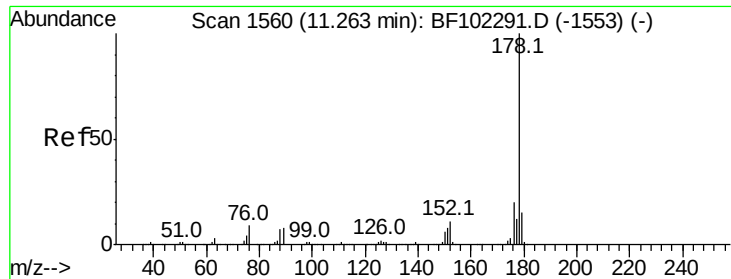
Tot Ion:188 Resp: 425088
Ion Ratio Lower Upper
188 100
94 10.7 8.5 12.7
80 11.1 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.916 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.24 min
Lab File: BF102650.D
Acq: 30 Jan 2018 20:09

Tgt Ion:248 Resp: 13343
Ion Ratio Lower Upper
248 100
250 195.5 76.9 115.3#
141 509.5 74.4 111.6#





#70

Phenanthrene

Concen: 13.520 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF102650.D

Acq: 30 Jan 2018 20:09

Instrument :

BNA_F

ClientSampleId :

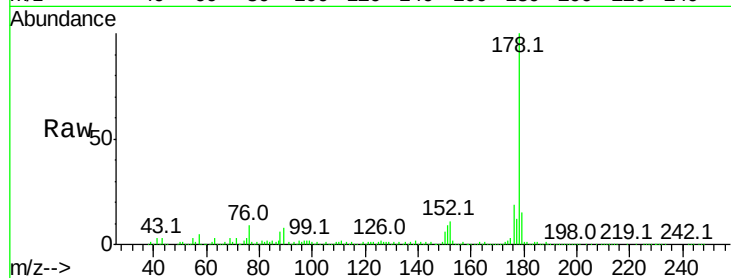
Tot Ion:178 Resp: 334912

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

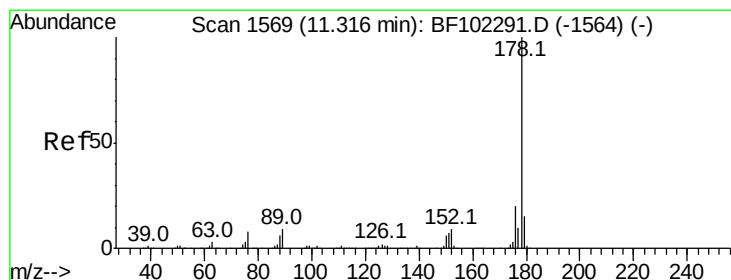
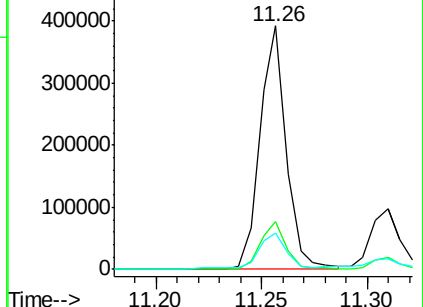
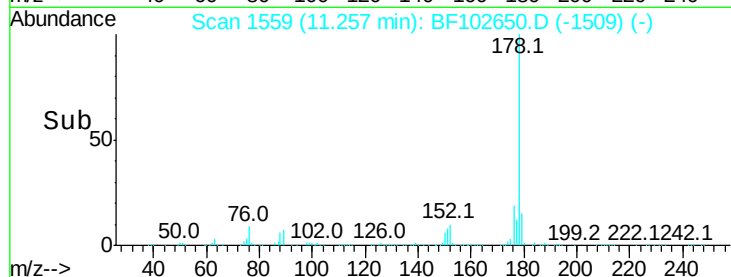
179 15.2 13.0 19.6



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: 3.786 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF102650.D

Acq: 30 Jan 2018 20:09

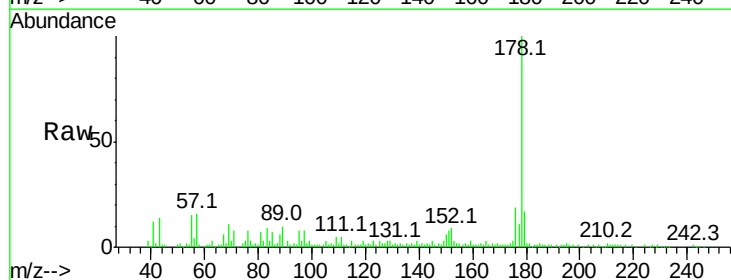
Tgt Ion:178 Resp: 95725

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

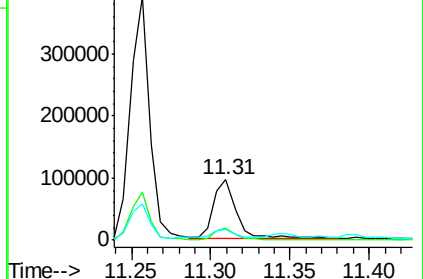
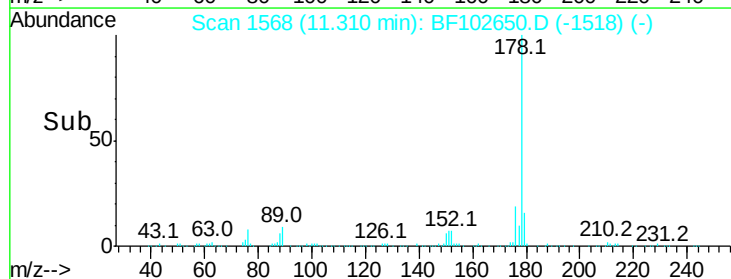
179 16.9 12.6 19.0

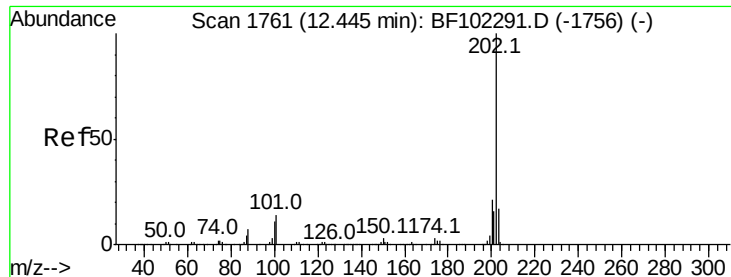


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 20.294 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102650.D

Acq: 30 Jan 2018 20:09

Instrument :

BNA_F

ClientSampleId :

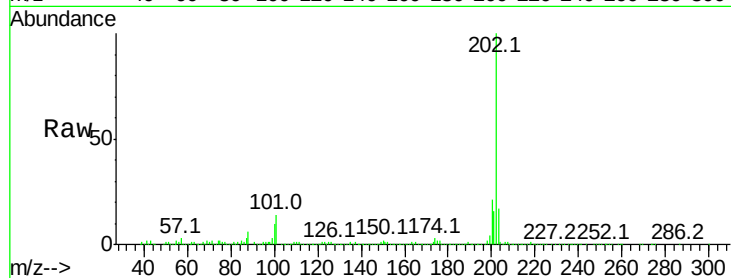
Tot Ion:202 Resp: 512628

Ion Ratio Lower Upper

202 100

101 14.0 0.0 34.1

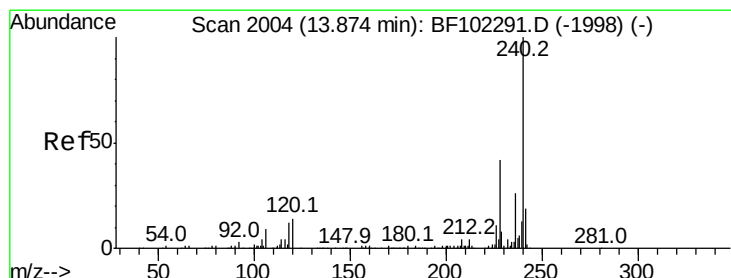
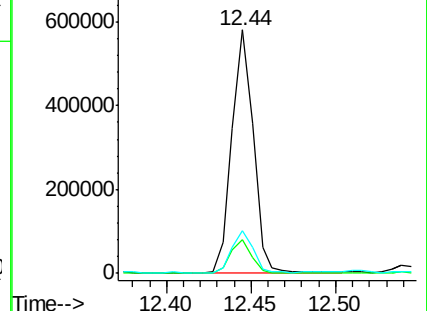
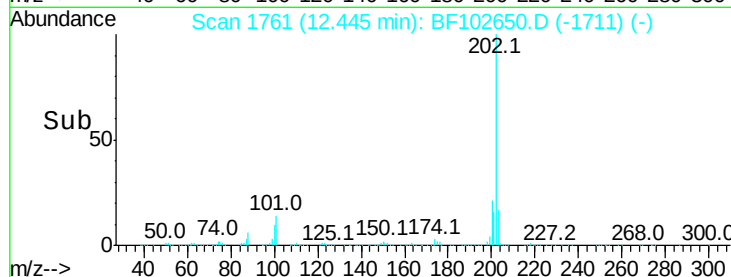
203 17.4 0.0 38.1



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: BF102650.D

Acq: 30 Jan 2018 20:09

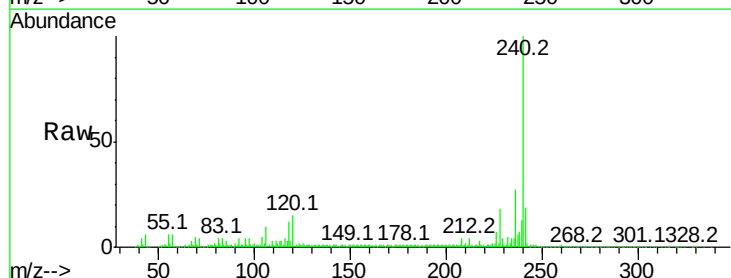
Tgt Ion:240 Resp: 274069

Ion Ratio Lower Upper

240 100

120 14.6 9.5 14.3#

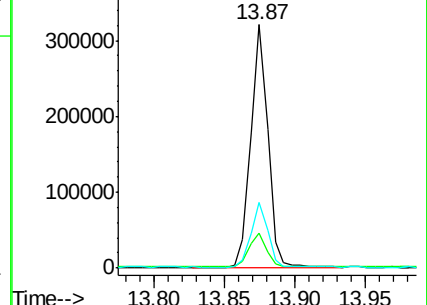
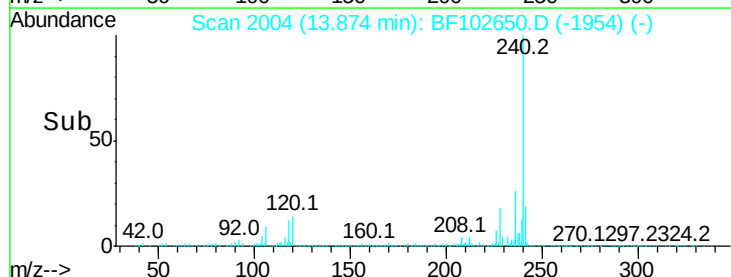
236 26.8 20.7 31.1

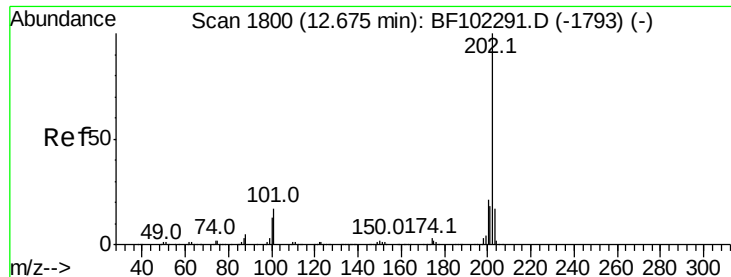


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 21.541 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102650.D

Acq: 30 Jan 2018 20:09

Instrument :

BNA_F

ClientSampleId :

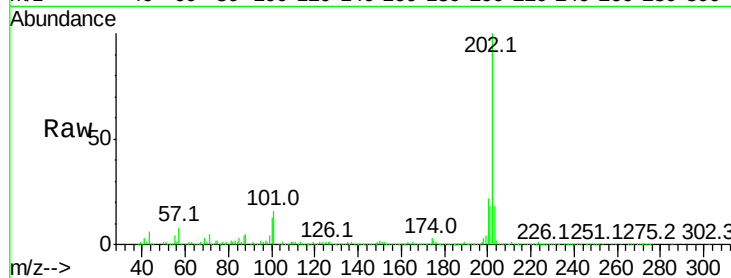
Tot Ion:202 Resp: 456448

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

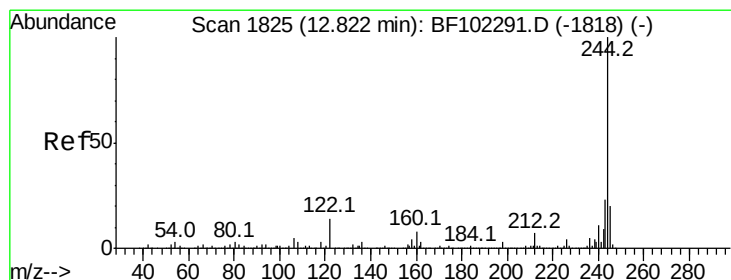
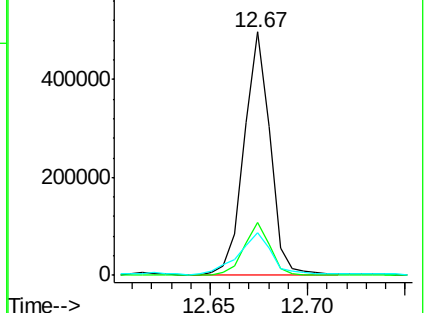
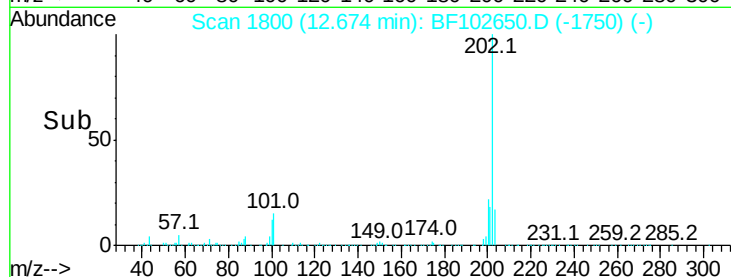
203 17.6 14.3 21.5



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: 76.354 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF102650.D

Acq: 30 Jan 2018 20:09

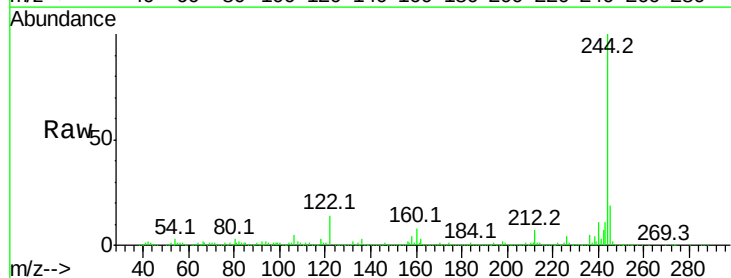
Tgt Ion:244 Resp: 928257

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

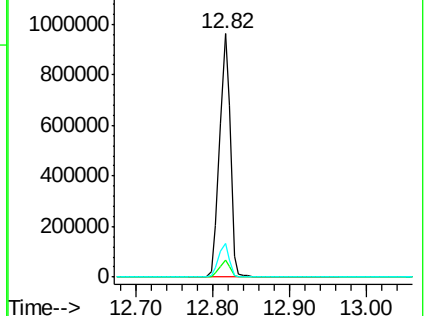
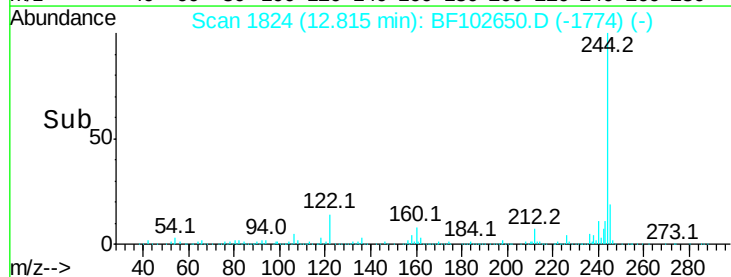
122 14.0 11.0 16.4

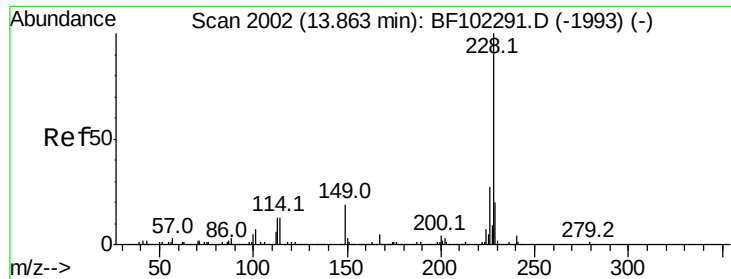


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

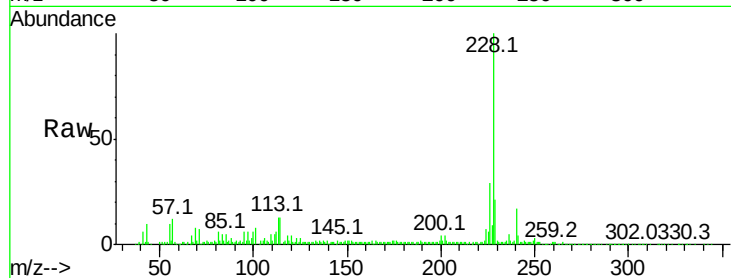




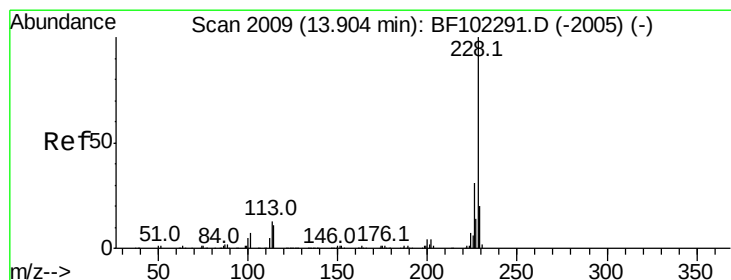
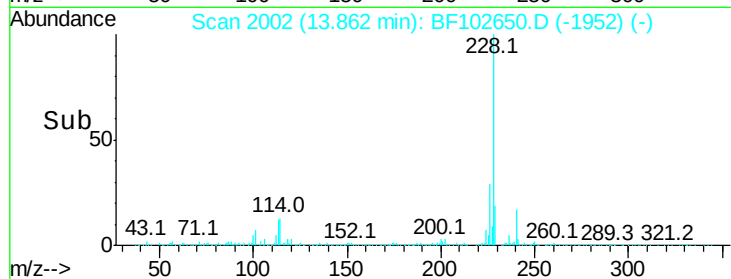
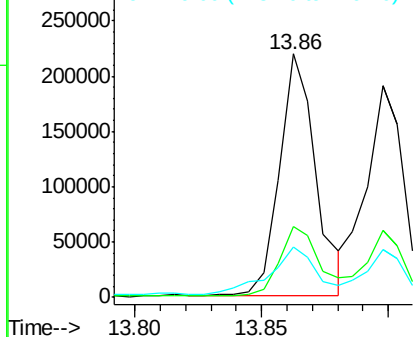
#80
Benzo(a)anthracene
Concen: 13.036 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF102650.D
Acq: 30 Jan 2018 20:09

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	20.9	15.8	23.6

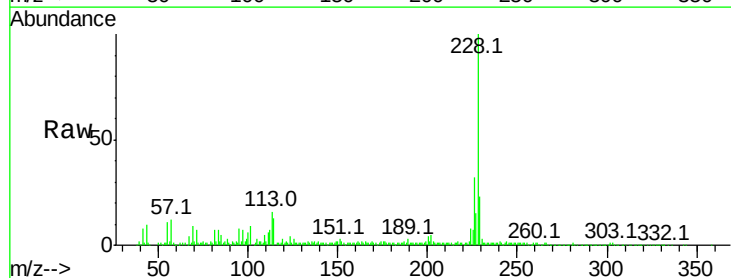


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

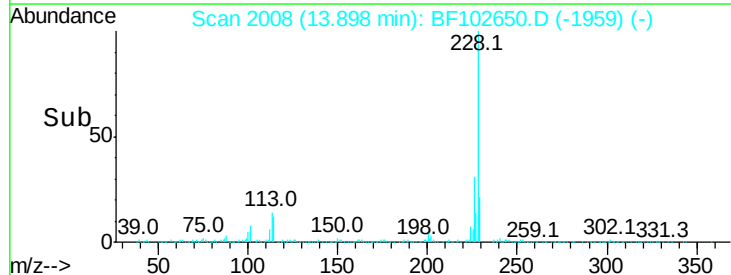
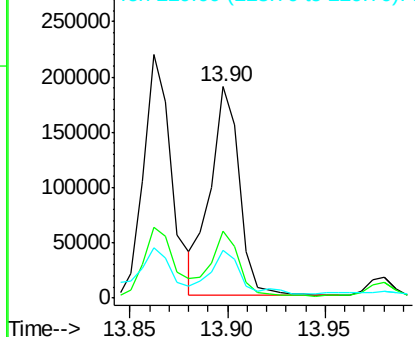


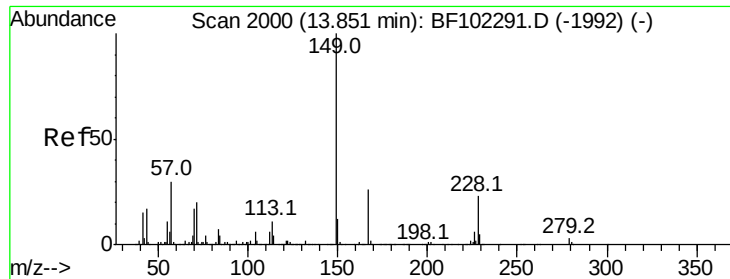
#82
Chrysene
Concen: 11.388 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102650.D
Acq: 30 Jan 2018 20:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.0	37.6
229	22.6	16.2	24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

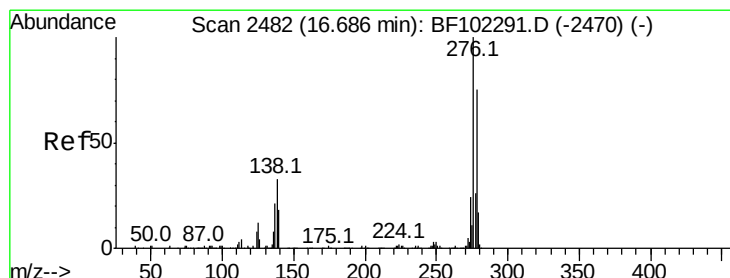
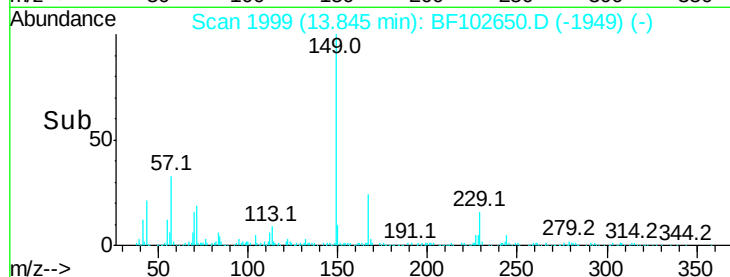
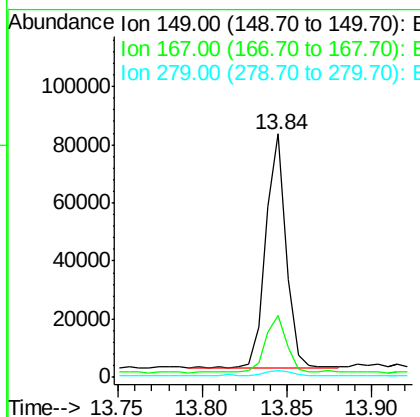
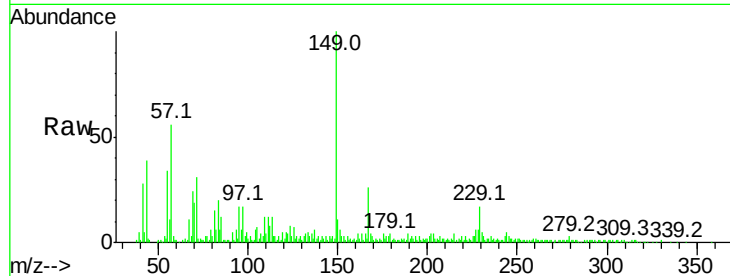




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.763 ng
 RT: 13.84 min Scan# 1999
 Delta R.T. -0.01 min
 Lab File: BF102650.D
 Acq: 30 Jan 2018 20:09

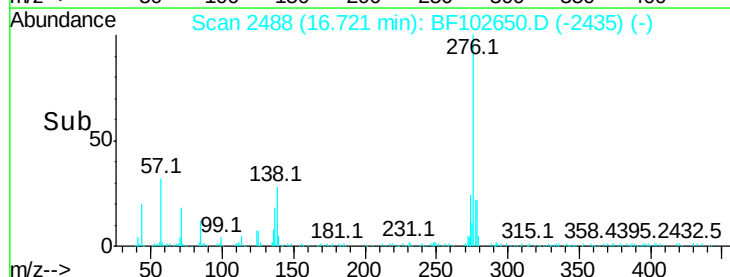
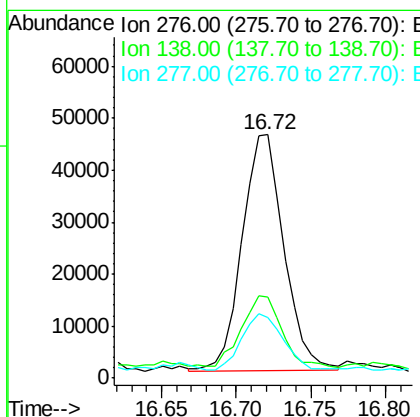
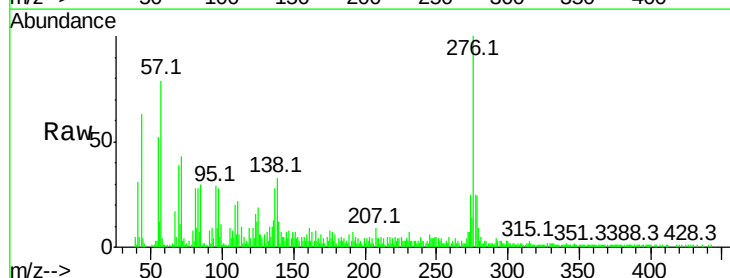
Instrument :
 BNA_F
 ClientSampleId :

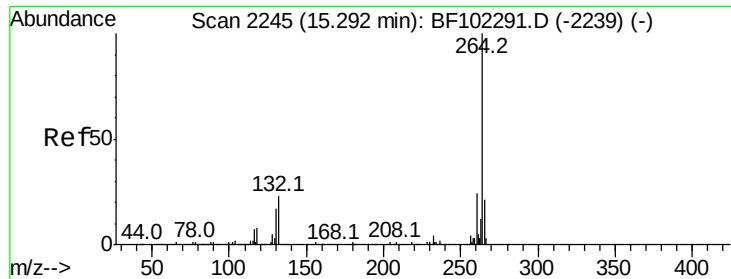
Tot Ion:149 Resp: 67503
 Ion Ratio Lower Upper
 149 100
 167 25.6 21.3 31.9
 279 3.0 3.0 4.4



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.236 ng
 RT: 16.72 min Scan# 2488
 Delta R.T. 0.01 min
 Lab File: BF102650.D
 Acq: 30 Jan 2018 20:09

Tgt Ion:276 Resp: 88244
 Ion Ratio Lower Upper
 276 100
 138 30.8 25.0 37.6
 277 23.9 20.1 30.1

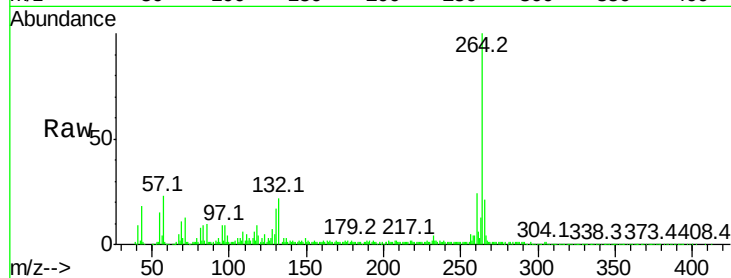




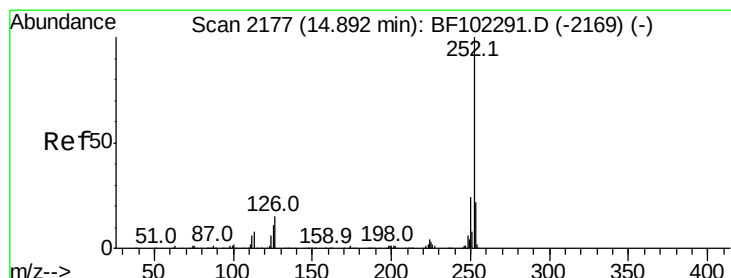
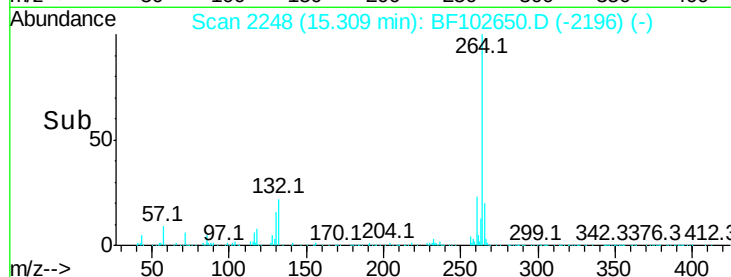
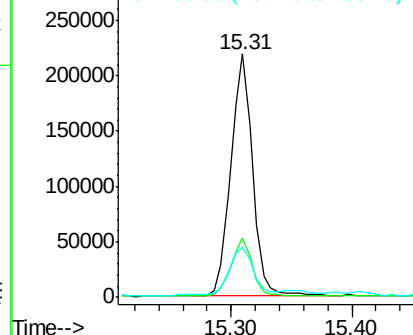
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.01 min
Lab File: BF102650.D
Acq: 30 Jan 2018 20:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 274548
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 20.6 17.5 26.3

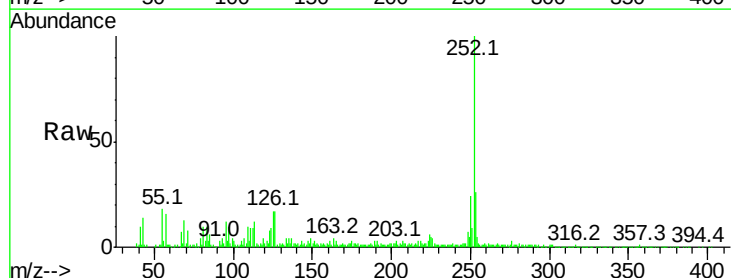


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

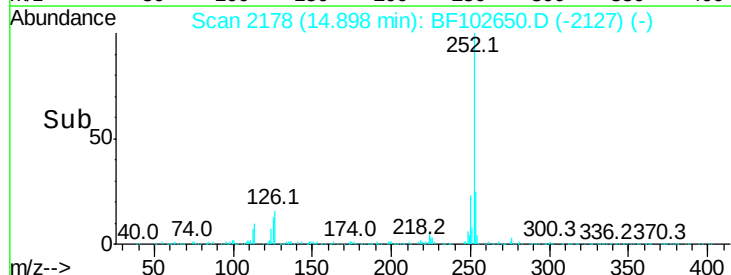
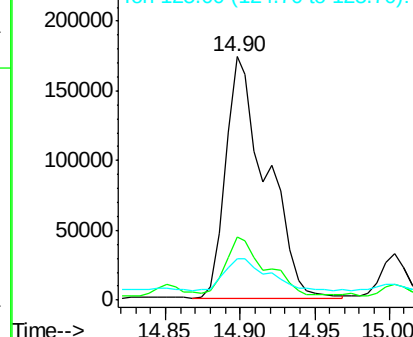


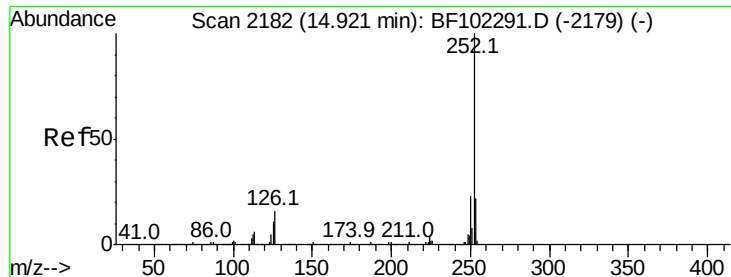
#87
Benzo(b)fluoranthene
Concen: 18.402 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.00 min
Lab File: BF102650.D
Acq: 30 Jan 2018 20:09

Tgt Ion:252 Resp: 327461
Ion Ratio Lower Upper
252 100
253 26.1 17.0 25.6#
125 17.2 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

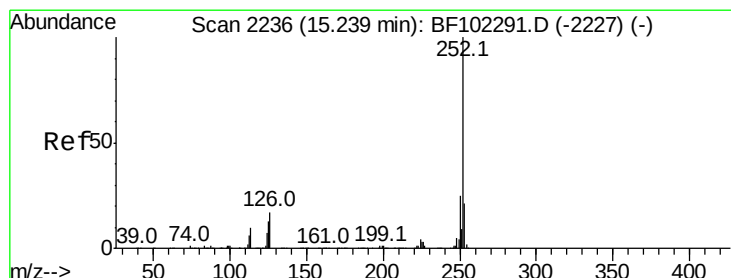
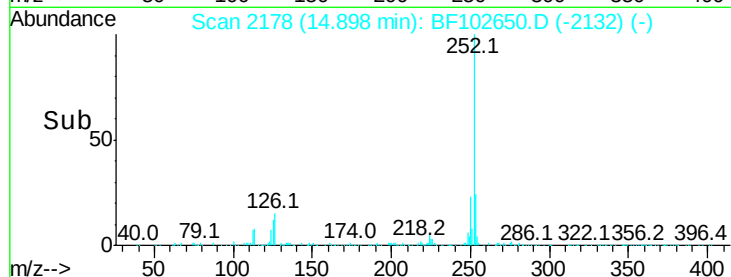
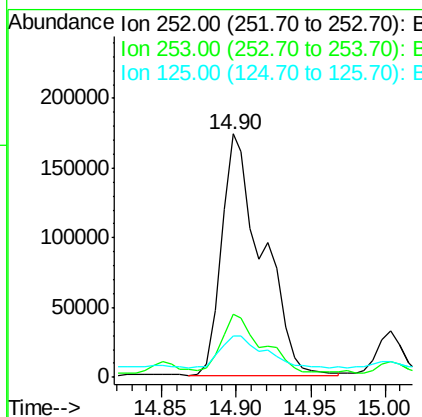
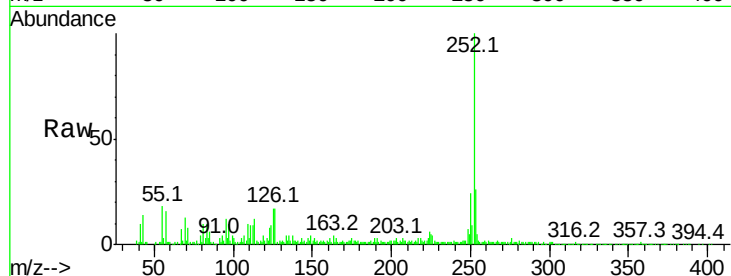




#88
Benzo(k)fluoranthene
Concen: 19.478 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.03 min
Lab File: BF102650.D
Acq: 30 Jan 2018 20:09

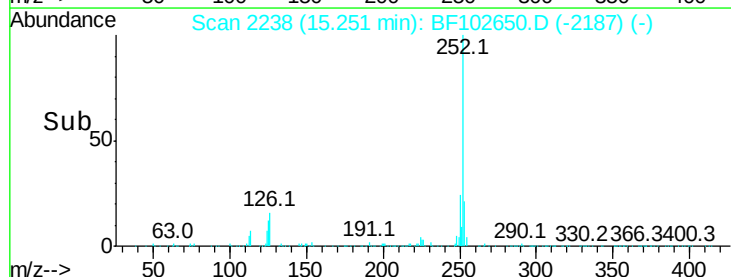
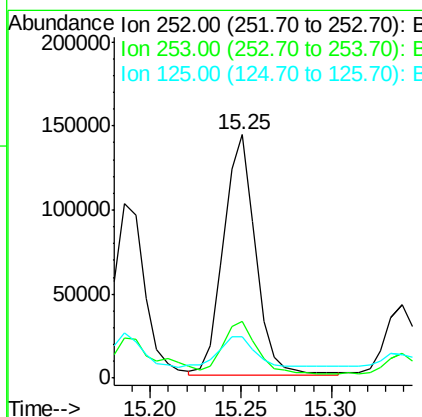
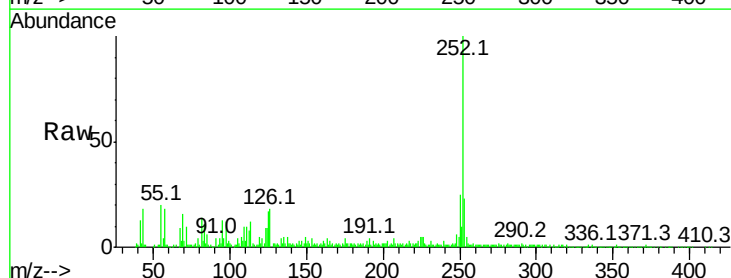
Instrument :
BNA_F
ClientSampleId :

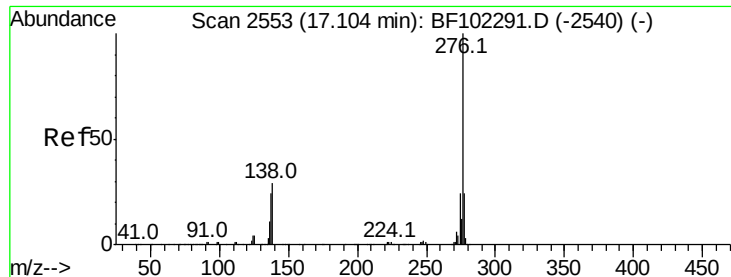
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.9	26.9
125	17.2	10.2	15.2



#89
Benzo(a)pyrene
Concen: 10.970 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.00 min
Lab File: BF102650.D
Acq: 30 Jan 2018 20:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	17.2	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 6.705 ng
 RT: 17.14 min Scan# 2560
 Delta R.T. 0.01 min
 Lab File: BF102650.D
 Acq: 30 Jan 2018 20:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.9	26.9
138	32.5	21.8	32.8

