

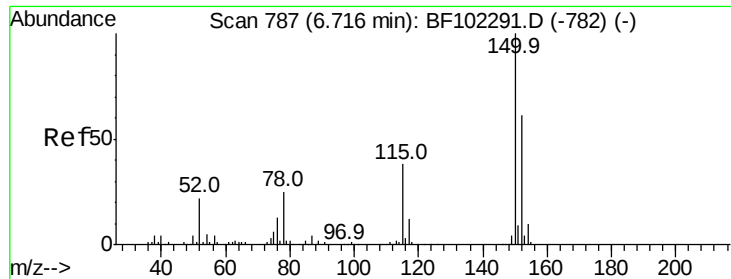
Data Path : U:\HPCHEM1\BNA F\DATA\BF012918\
 Data File : BF102598.D
 Acq On : 29 Jan 2018 15:30
 Operator : SJ/JU
 Sample : J1253-09 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 30 00:07:33 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	183537	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	733386	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	274590	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	419024	20.00	ng	0.00
75) Chrysene-d12	13.89	240	328912	20.00	ng	0.00
86) Perylene-d12	15.33	264	243633	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	289977	23.96	ng	0.01
7) Phenol-d6	6.36	99	662326	45.39	ng	0.00
23) Nitrobenzene-d5	7.28	82	416011	32.60	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	24889	9.15	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	685680	36.72	ng	0.00
78) Terphenyl-d14	12.83	244	507511	34.78	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	54621	6.116	ng	Qvalue # 81
25) Isophorone	7.28	82	416011	18.285	ng	# 64
49) Dimethylphthalate	9.47	163	134853	5.942	ng	100
70) Phenanthrene	11.26	178	106170	4.348	ng	97
71) Anthracene	11.26	178	106170	4.260	ng	98
74) Fluoranthene	12.46	202	178037	7.150	ng	99
77) Pyrene	12.69	202	164934	6.486	ng	98
80) Benzo(a)anthracene	13.87	228	73903	3.650	ng	95
82) Chrysene	13.91	228	77878	3.787	ng	95
83) Bis(2-ethylhexyl)phthalate	13.86	149	883789	51.964	ng	# 98
87) Benzo(b)fluoranthene	14.92	252	104745	6.633	ng	# 61
88) Benzo(k)fluoranthene	14.92	252	104745	7.021	ng	# 64
89) Benzo(a)pyrene	15.27	252	46799	3.286	ng	# 63
91) Benzo(a,h,i)perylene	17.17	276	24260	2.130	ng	# 79

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

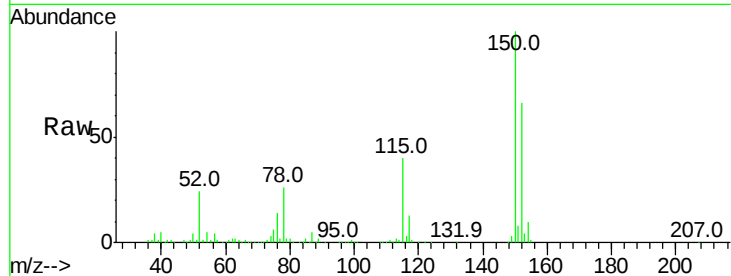


#1

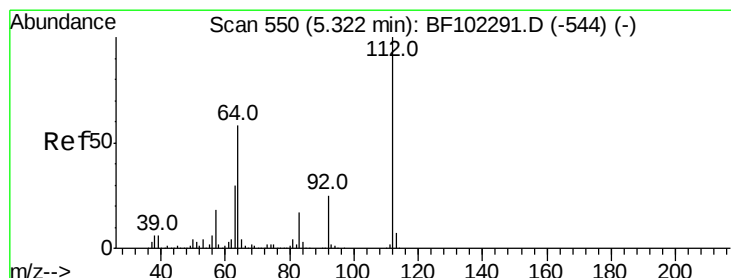
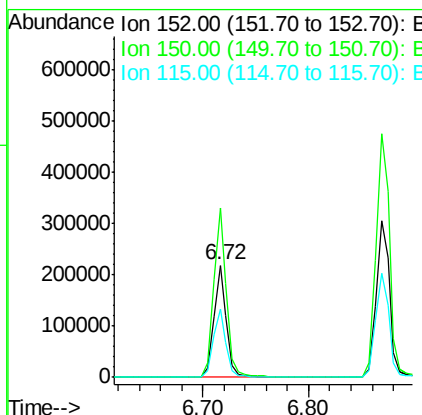
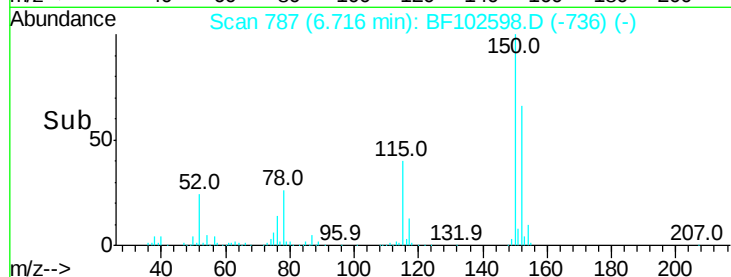
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102598.D
Acq: 29 Jan 2018 15:30

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.1	124.6	186.8
115	60.5	50.1	75.1



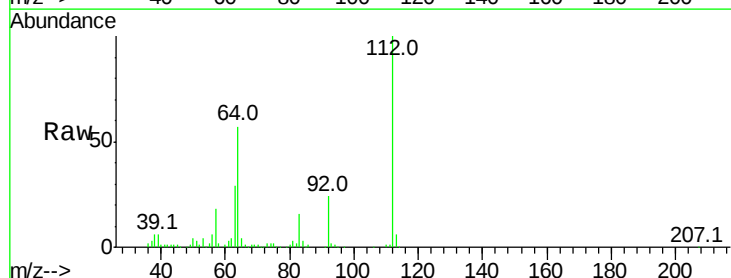
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



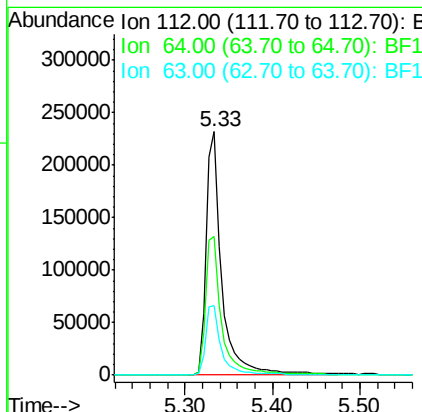
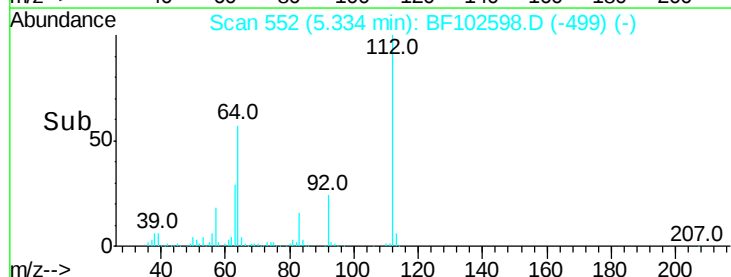
#5

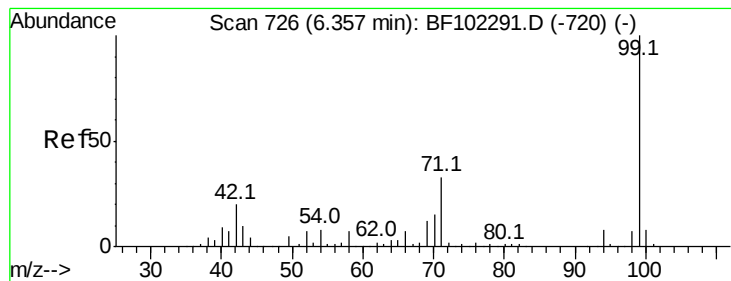
2-Fluorophenol
Concen: 23.956 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102598.D
Acq: 29 Jan 2018 15:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.9	71.9
63	28.5	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: 45.386 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102598.D

Acq: 29 Jan 2018 15:30

Instrument :

BNA_F

ClientSampleId :

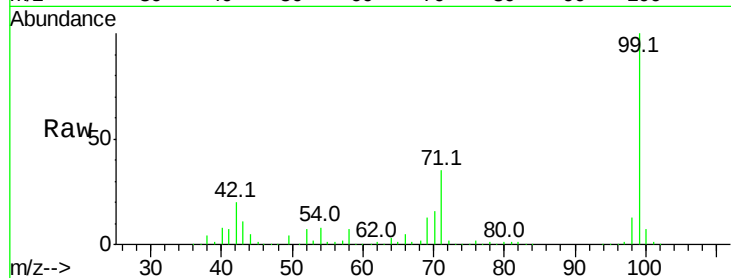
Tot Ion: 99 Resp: 662326

Ion Ratio Lower Upper

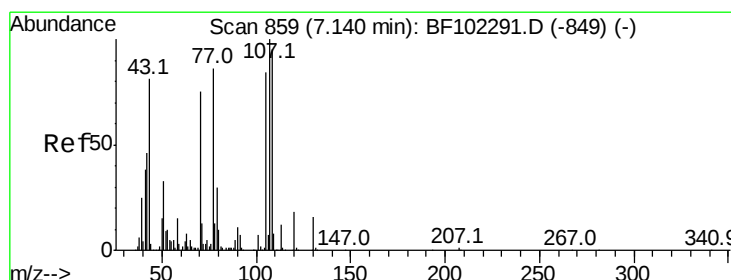
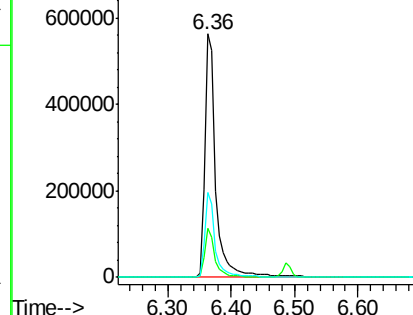
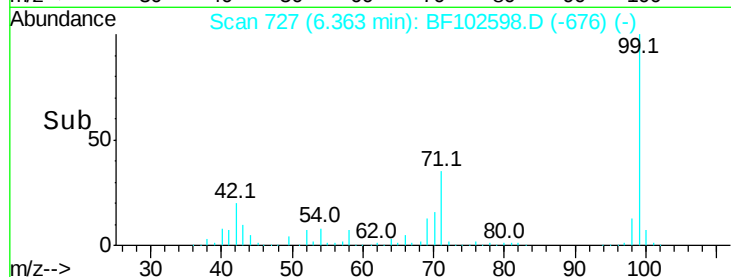
99 100

42 20.2 14.5 21.7

71 35.0 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: 6.116 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF102598.D

Acq: 29 Jan 2018 15:30

Tgt Ion: 70 Resp: 54621

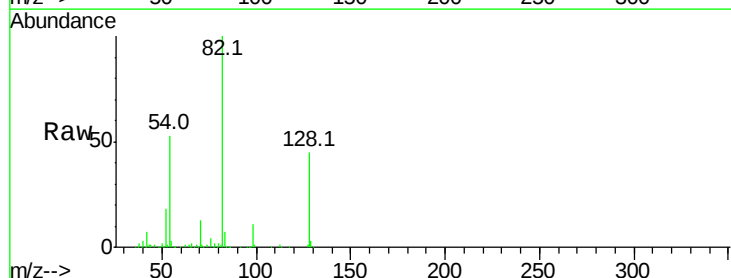
Ion Ratio Lower Upper

70 100

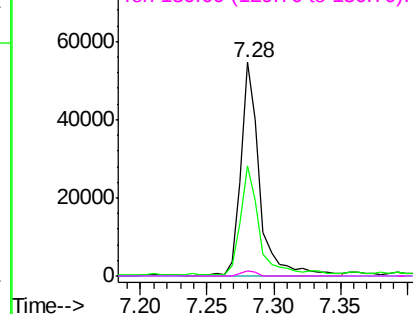
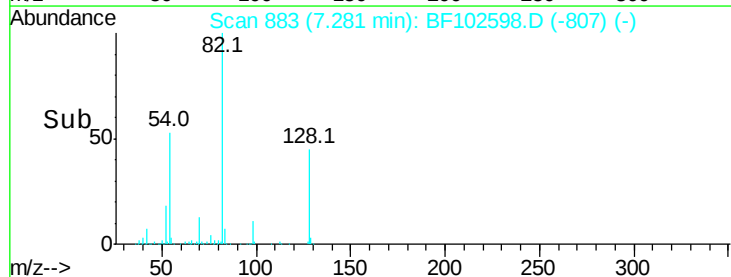
42 51.3 47.5 71.3

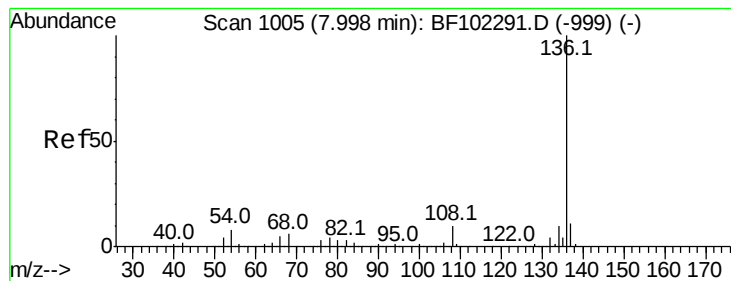
101 0.0 7.4 11.2#

130 2.4 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: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF102598.D

Acq: 29 Jan 2018 15:30

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 733386

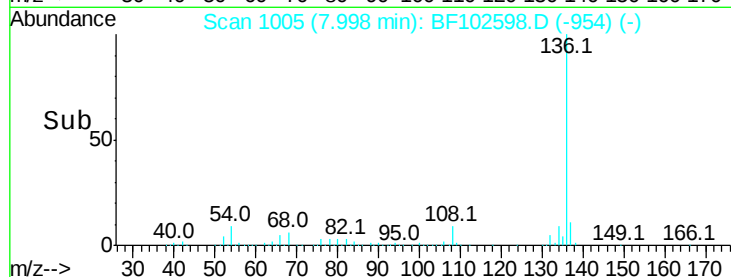
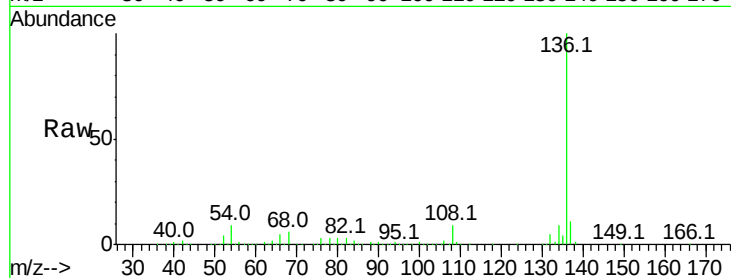
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.6 6.6 9.8

68 6.0 5.0 7.4

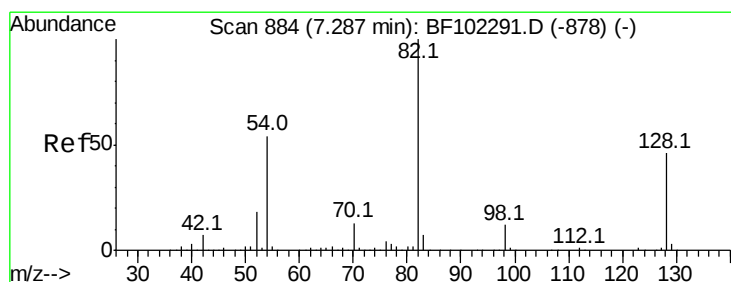
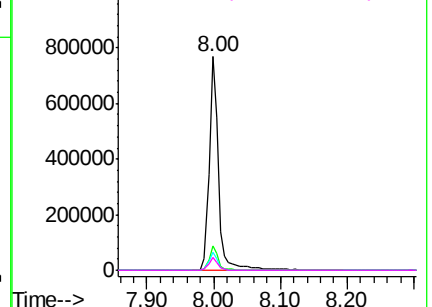


Abundance Ion 136.00 (135.70 to 136.70): E

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: 32.598 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102598.D

Acq: 29 Jan 2018 15:30

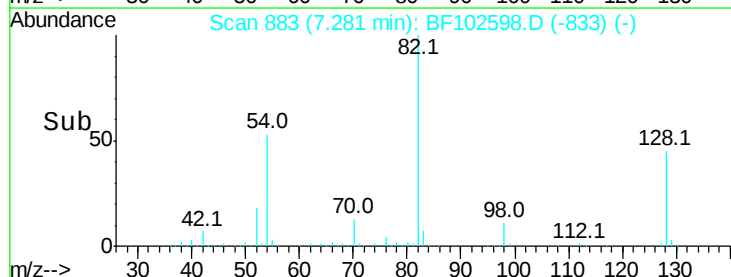
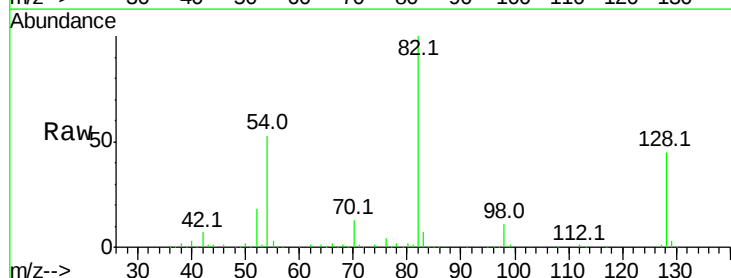
Tgt Ion: 82 Resp: 416011

Ion Ratio Lower Upper

82 100

128 45.3 36.1 54.1

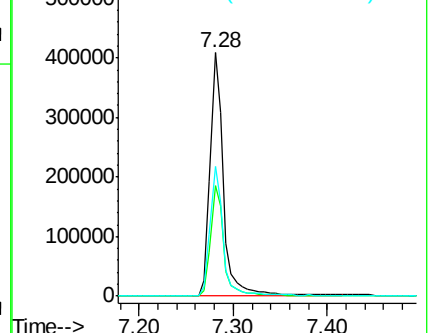
54 53.1 41.4 62.2

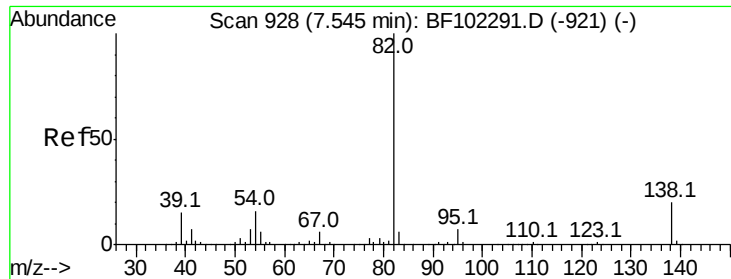


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 18.285 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF102598.D

Acq: 29 Jan 2018 15:30

Instrument :

BNA_F

ClientSampled :

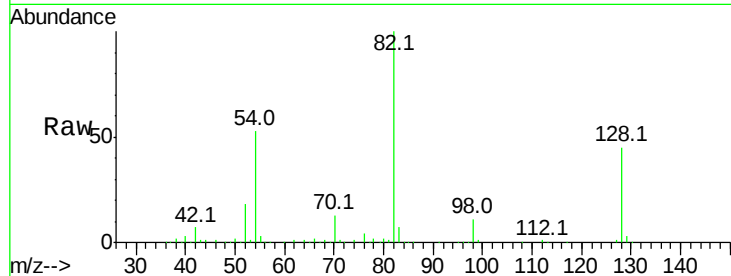
Tot Ion: 82 Resp: 416011

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

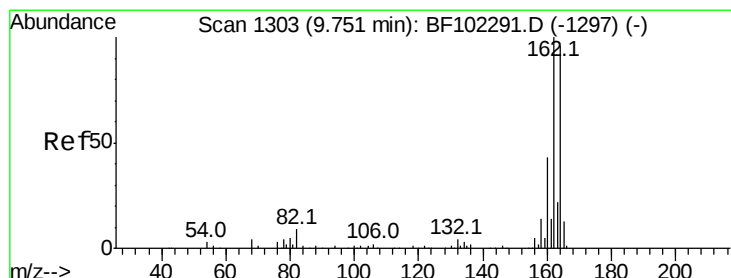
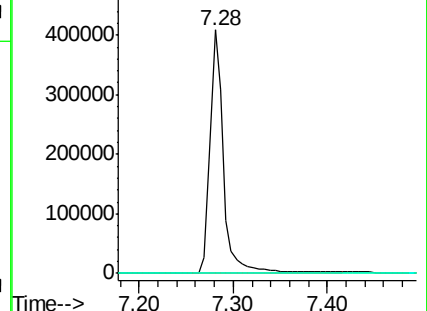
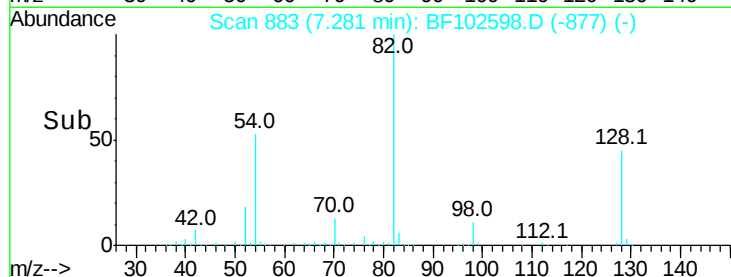
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF102598.D

Acq: 29 Jan 2018 15:30

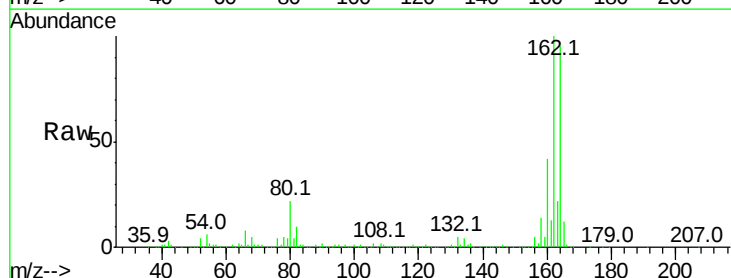
Tgt Ion:164 Resp: 274590

Ion Ratio Lower Upper

164 100

162 105.4 86.1 129.1

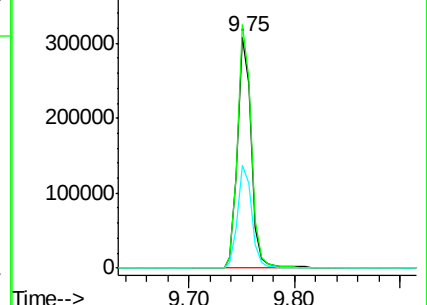
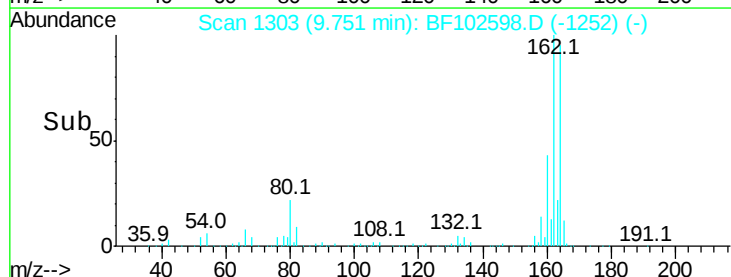
160 44.7 38.3 57.5

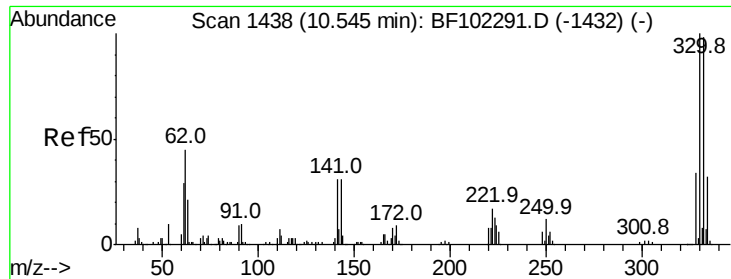


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

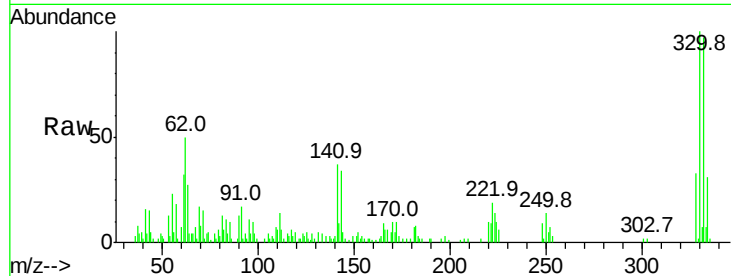




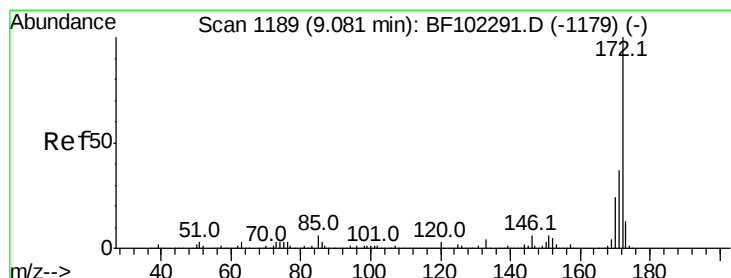
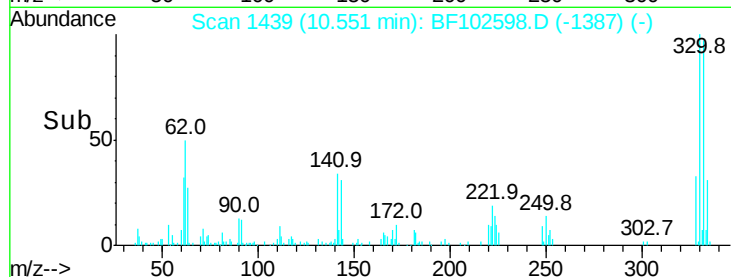
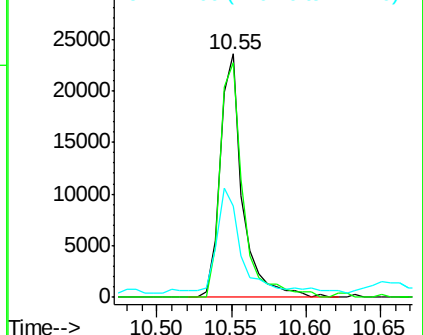
#41
 2,4,6-Tribromophenol
 Concen: 9.148 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.01 min
 Lab File: BF102598.D
 Acq: 29 Jan 2018 15:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 24889
 Ion Ratio Lower Upper
 330 100
 332 99.5 77.0 115.6
 141 47.1 29.9 44.9#

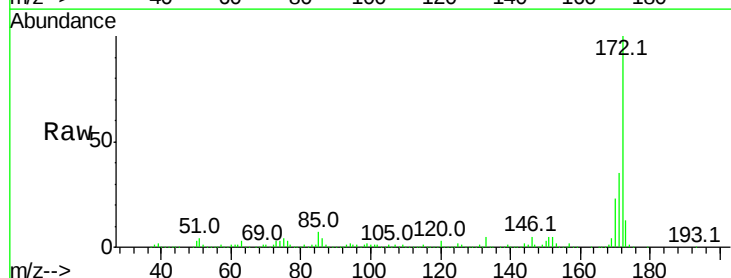


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

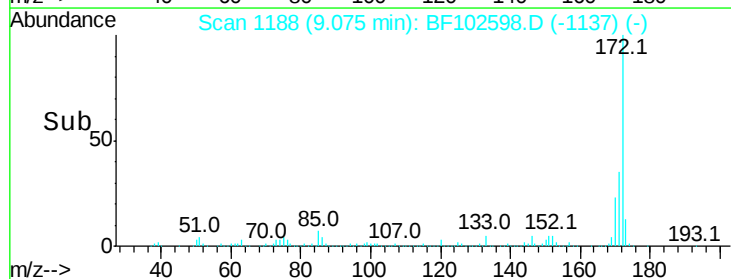
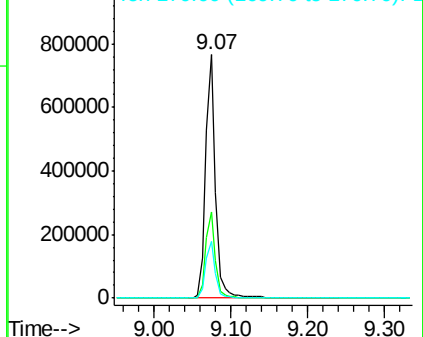


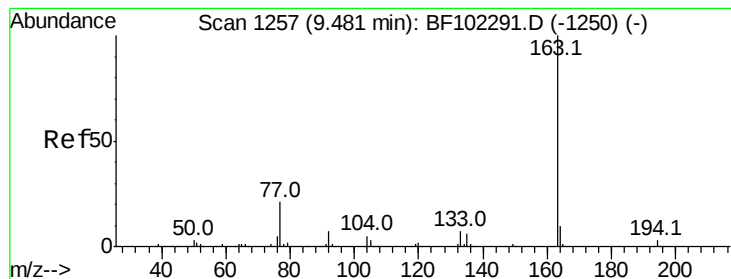
#44
 2-Fluorobiphenyl
 Concen: 36.716 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: BF102598.D
 Acq: 29 Jan 2018 15:30

Tgt Ion:172 Resp: 685680
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.7 44.5
 170 23.4 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: 5.942 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF102598.D

Acq: 29 Jan 2018 15:30

Instrument :

BNA_F

ClientSampleId :

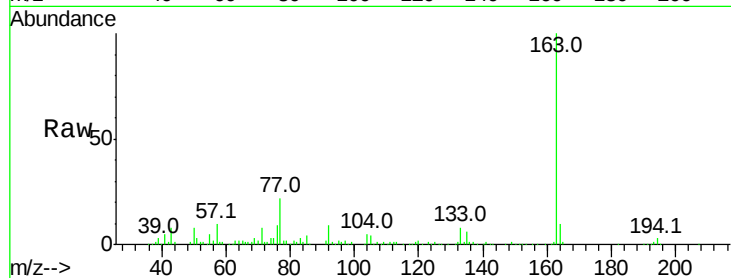
Tot Ion:163 Resp: 134853

Ion Ratio Lower Upper

163 100

194 3.1 2.7 4.1

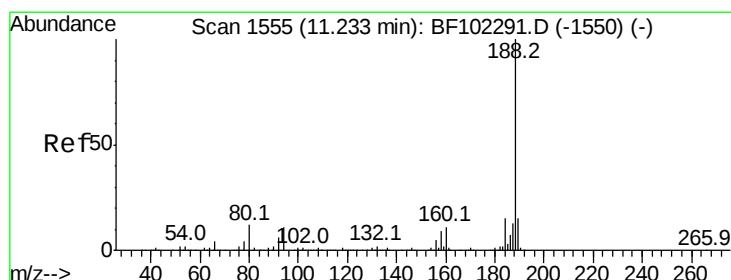
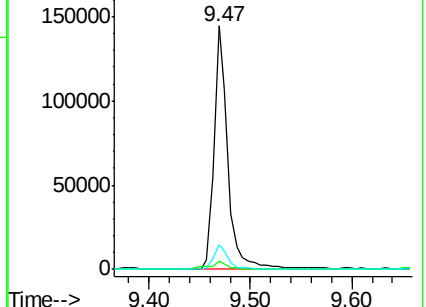
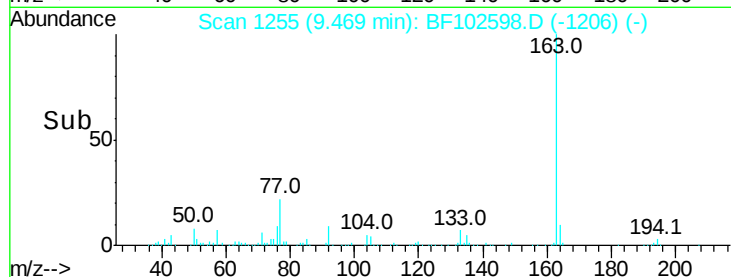
164 10.2 8.2 12.2



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: 11.24 min Scan# 1556

Delta R.T. -0.00 min

Lab File: BF102598.D

Acq: 29 Jan 2018 15:30

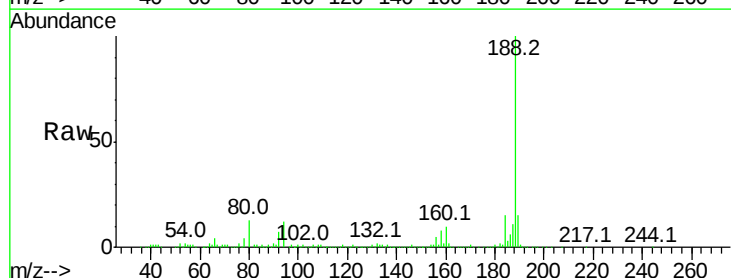
Tgt Ion:188 Resp: 419024

Ion Ratio Lower Upper

188 100

94 12.2 8.5 12.7

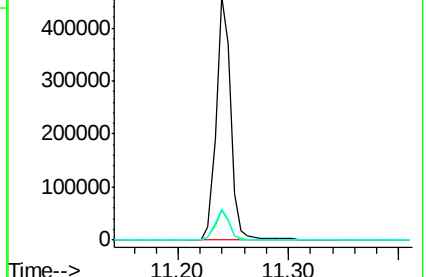
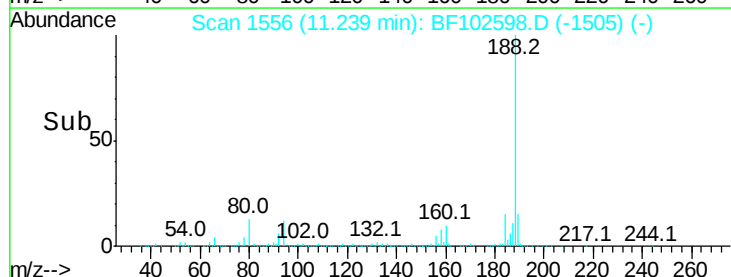
80 12.6 9.2 13.8

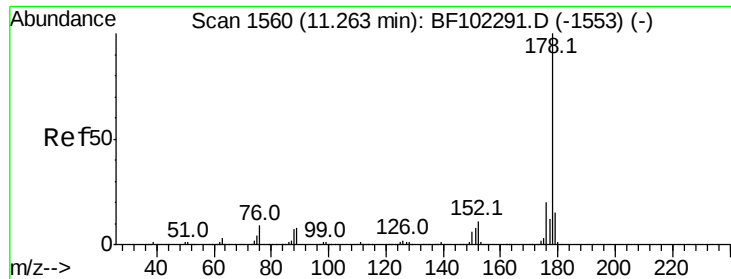


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 4.348 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BF102598.D

Acq: 29 Jan 2018 15:30

Instrument :

BNA_F

ClientSampleId :

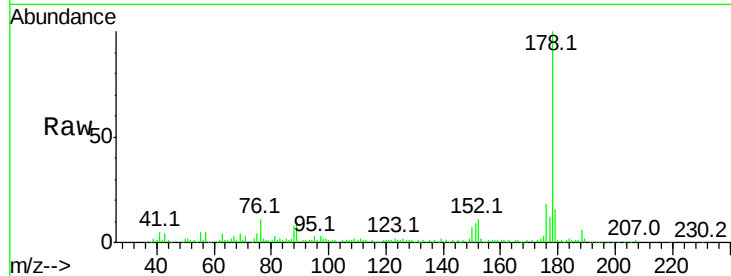
Tot Ion:178 Resp: 106170

Ion Ratio Lower Upper

178 100

176 18.2 15.8 23.8

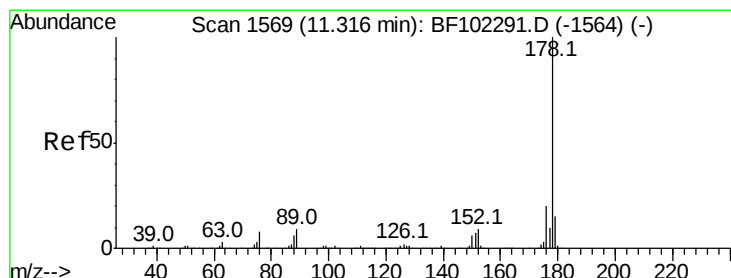
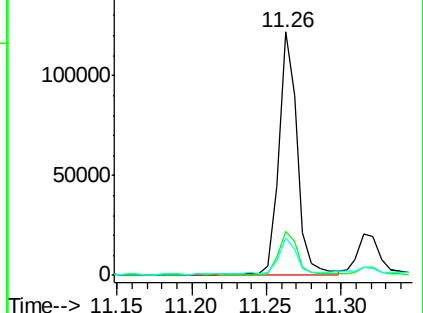
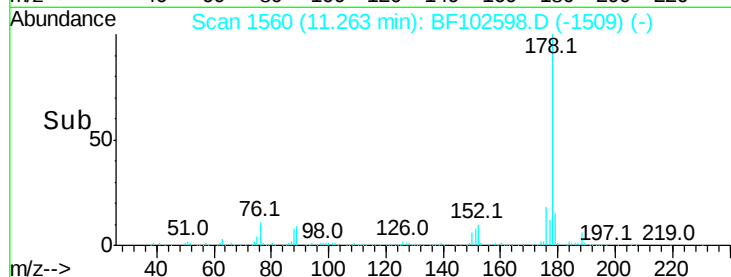
179 15.6 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 4.260 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.05 min

Lab File: BF102598.D

Acq: 29 Jan 2018 15:30

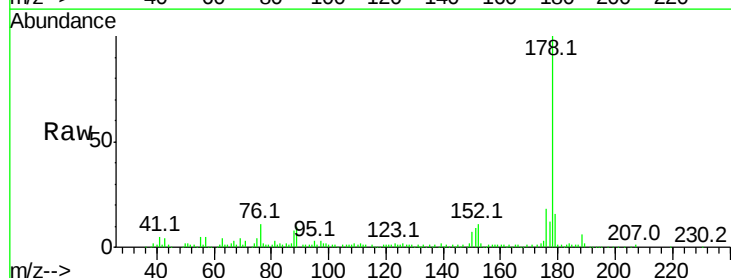
Tgt Ion:178 Resp: 106170

Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.2

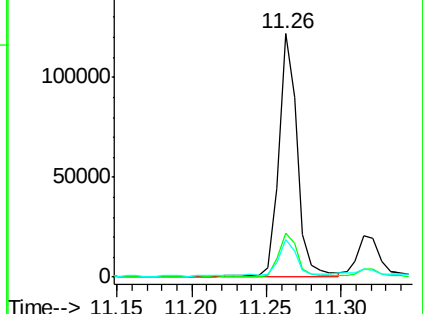
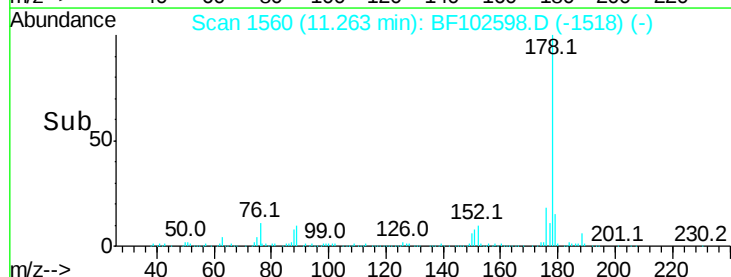
179 15.6 12.6 19.0

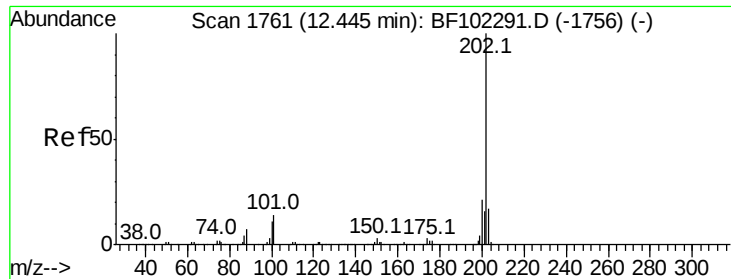


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 7.150 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF102598.D

Acq: 29 Jan 2018 15:30

Instrument :

BNA_F

ClientSampled :

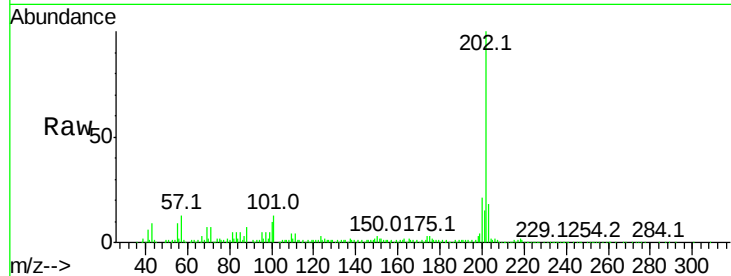
Tot Ion:202 Resp: 178037

Ion Ratio Lower Upper

202 100

101 13.4 0.0 34.1

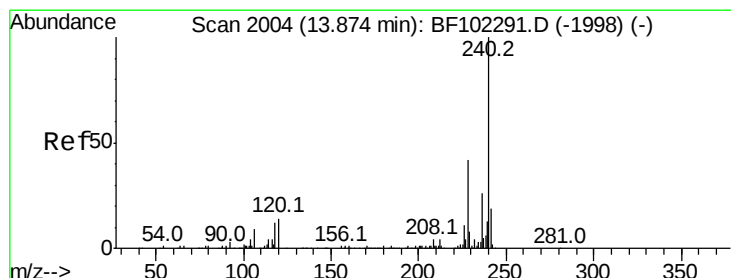
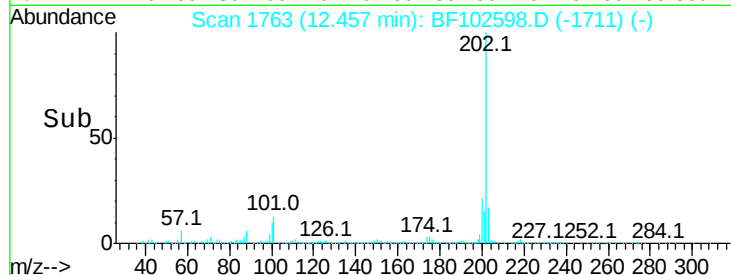
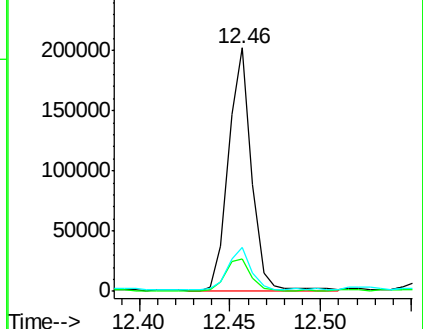
203 18.0 0.0 38.1



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: 13.89 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BF102598.D

Acq: 29 Jan 2018 15:30

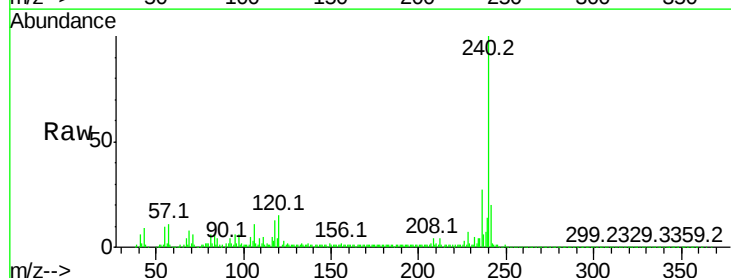
Tgt Ion:240 Resp: 328912

Ion Ratio Lower Upper

240 100

120 15.0 9.5 14.3#

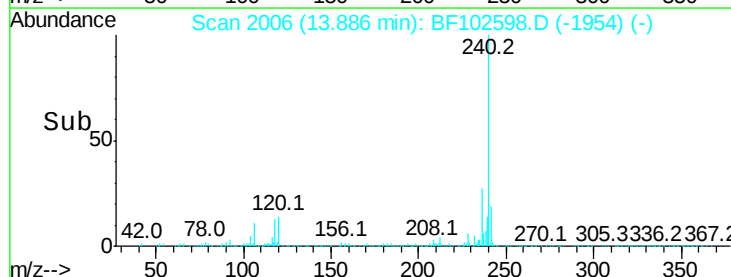
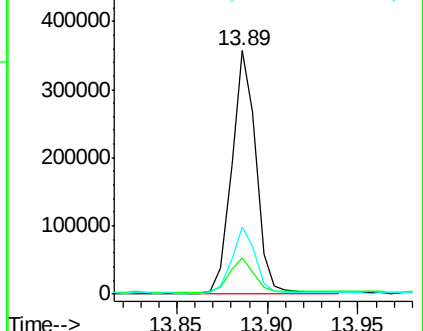
236 27.3 20.7 31.1

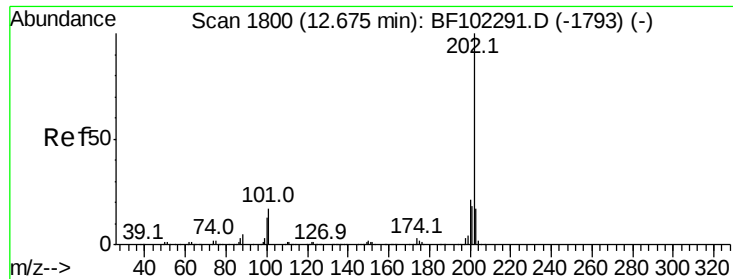


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.486 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.01 min

Lab File: BF102598.D

Acq: 29 Jan 2018 15:30

Instrument :

BNA_F

ClientSampled :

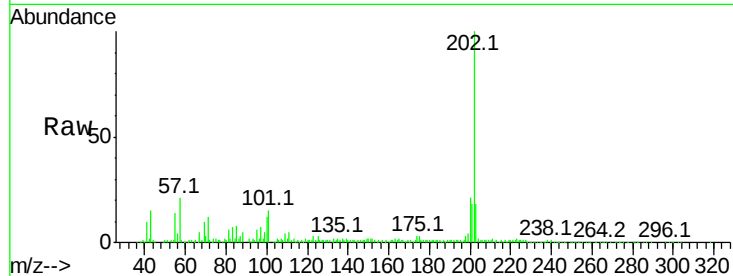
Tot Ion:202 Resp: 164934

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

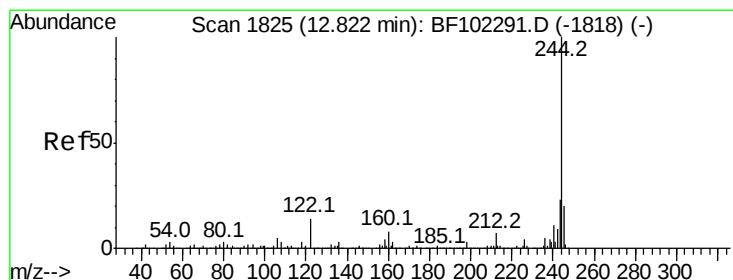
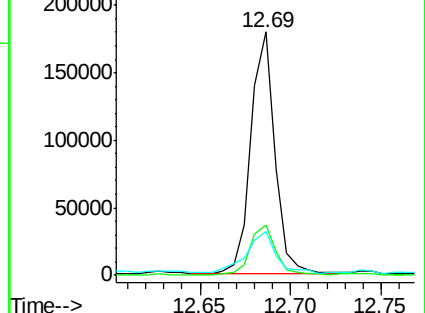
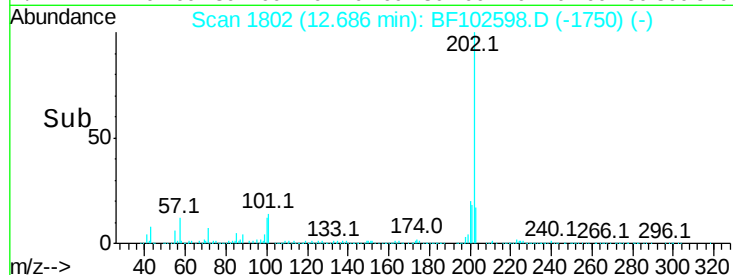
203 18.3 14.3 21.5



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: 34.785 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BF102598.D

Acq: 29 Jan 2018 15:30

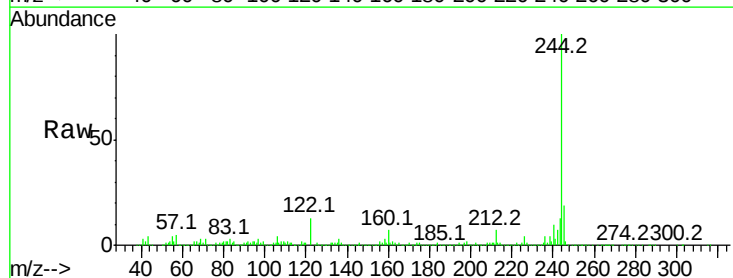
Tgt Ion:244 Resp: 507511

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

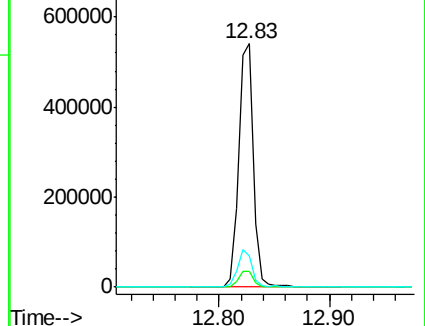
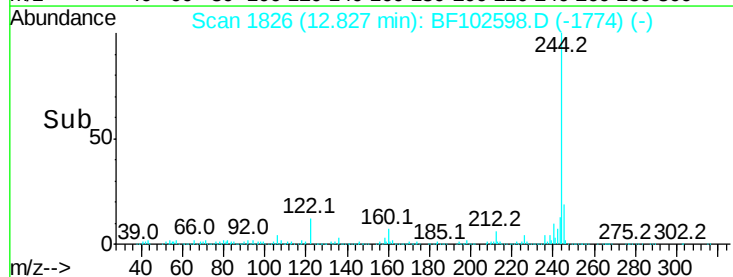
122 12.6 11.0 16.4

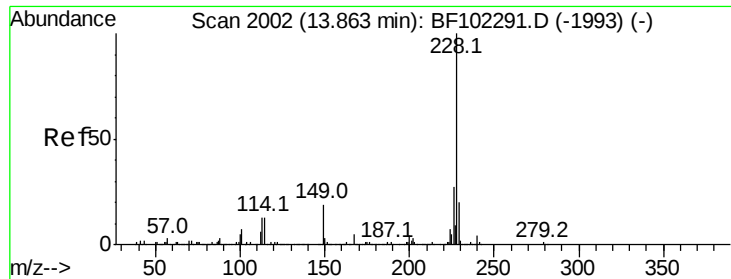


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

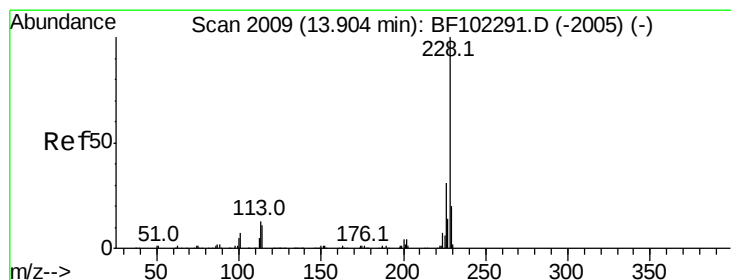
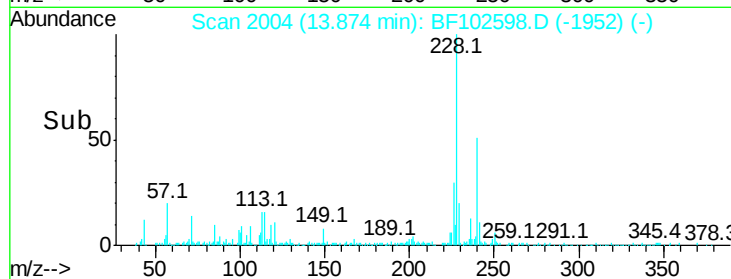
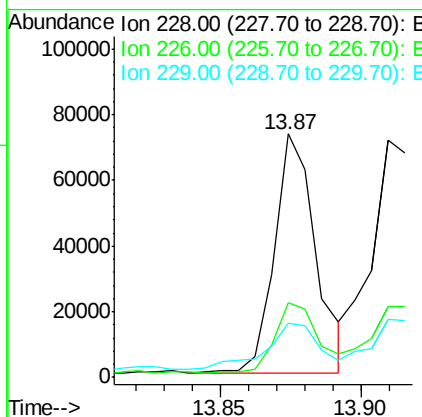
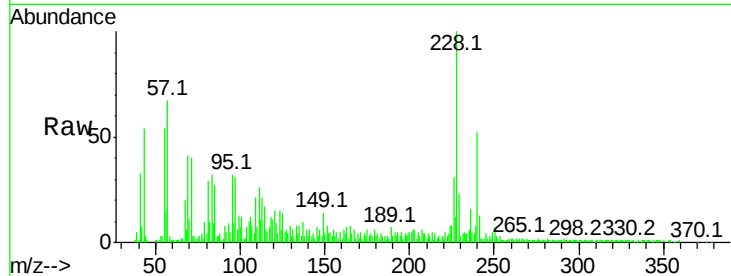




#80
Benzo(a)anthracene
Concen: 3.650 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BF102598.D
Acq: 29 Jan 2018 15:30

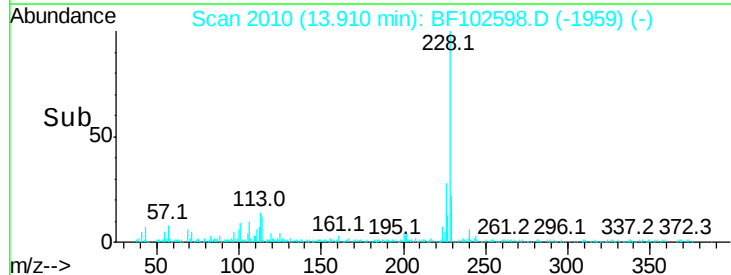
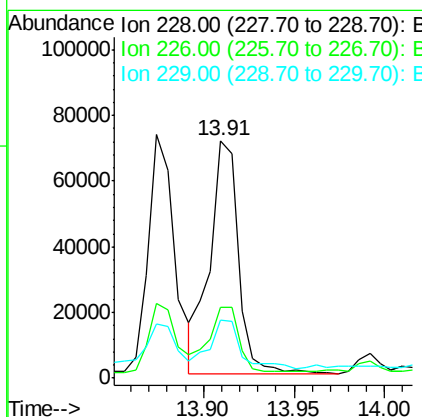
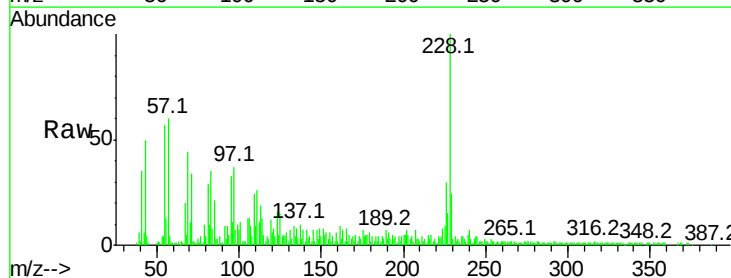
Instrument :
BNA_F
ClientSampleId :

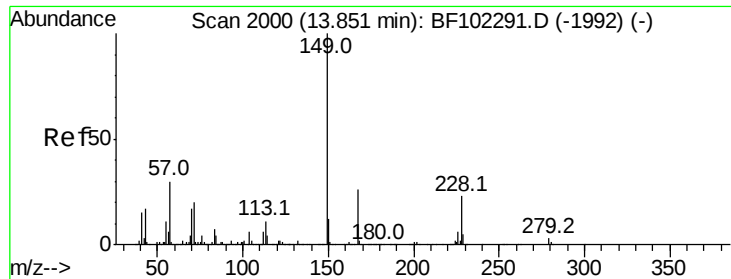
Tot Ion:228 Resp: 73903
Ion Ratio Lower Upper
228 100
226 30.7 22.6 33.8
229 22.5 15.8 23.6



#82
Chrysene
Concen: 3.787 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BF102598.D
Acq: 29 Jan 2018 15:30

Tgt Ion:228 Resp: 77878
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.6
229 24.2 16.2 24.4

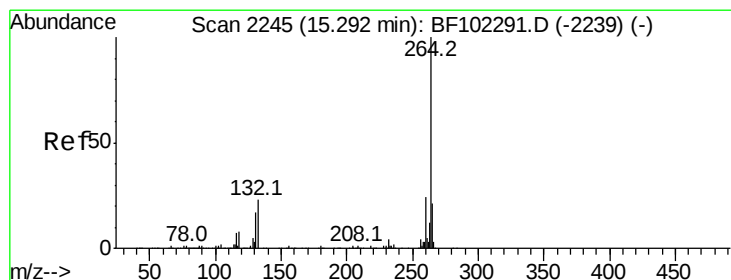
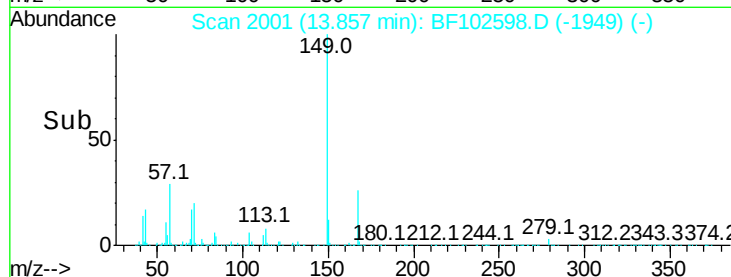
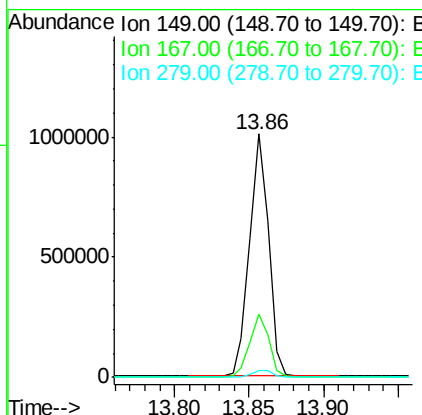
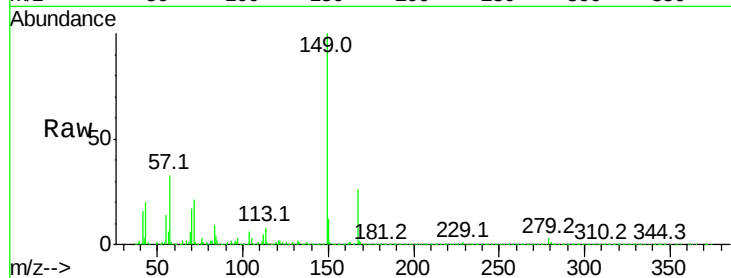




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 51.964 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. 0.01 min
 Lab File: BF102598.D
 Acq: 29 Jan 2018 15:30

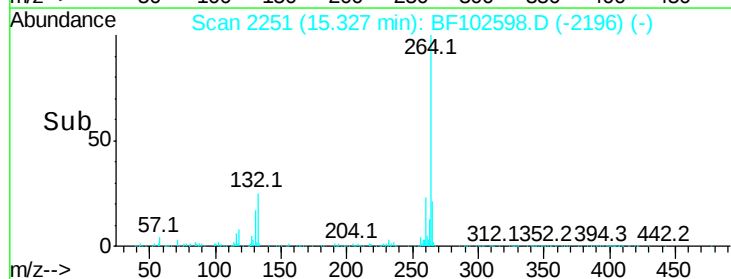
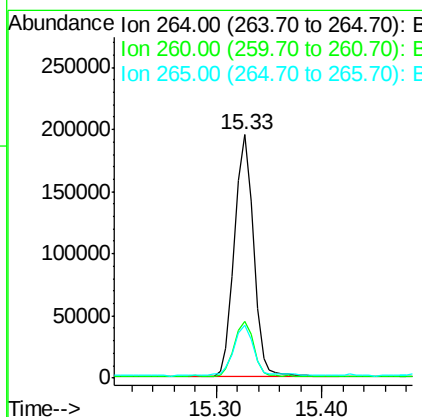
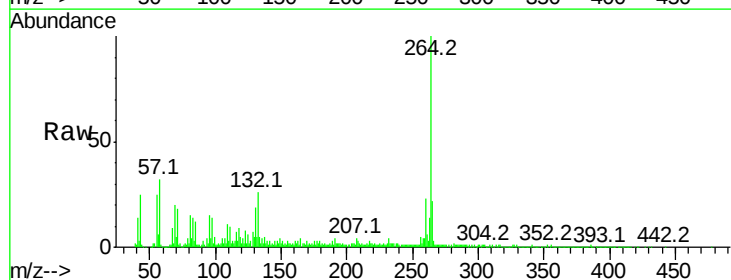
Instrument :
 BNA_F
 ClientSampleId :

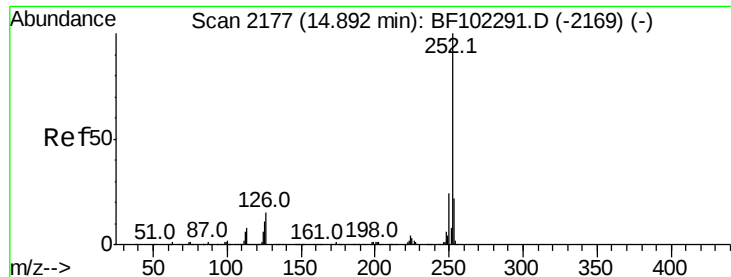
Tot Ion:149 Resp: 883789
 Ion Ratio Lower Upper
 149 100
 167 25.9 21.3 31.9
 279 2.8 3.0 4.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. 0.02 min
 Lab File: BF102598.D
 Acq: 29 Jan 2018 15:30

Tgt Ion:264 Resp: 243633
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 21.8 17.5 26.3

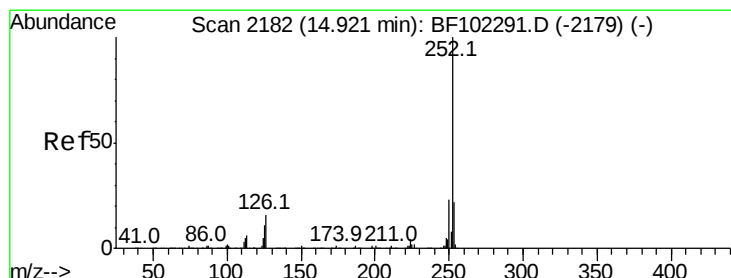
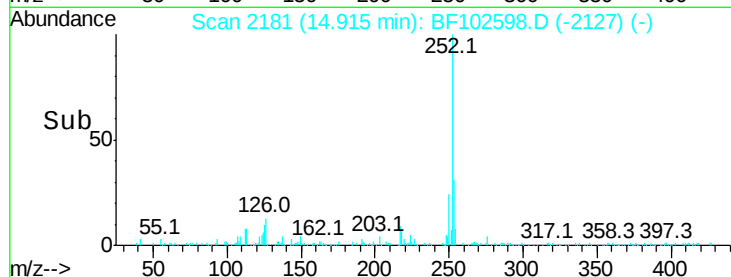
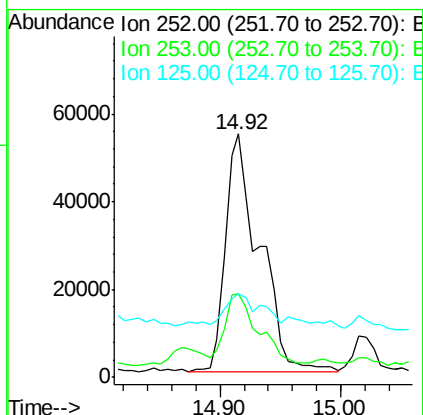
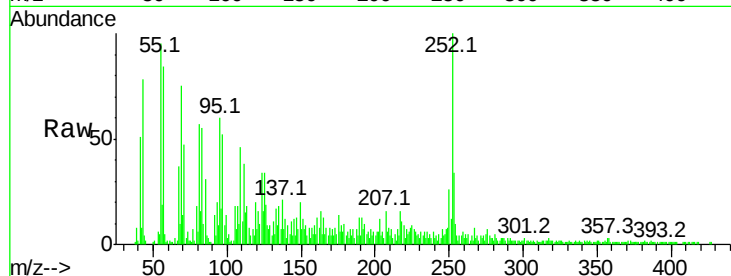




#87
Benzo(b)fluoranthene
Concen: 6.633 ng
RT: 14.92 min Scan# 2181
Delta R.T. 0.02 min
Lab File: BF102598.D
Acq: 29 Jan 2018 15:30

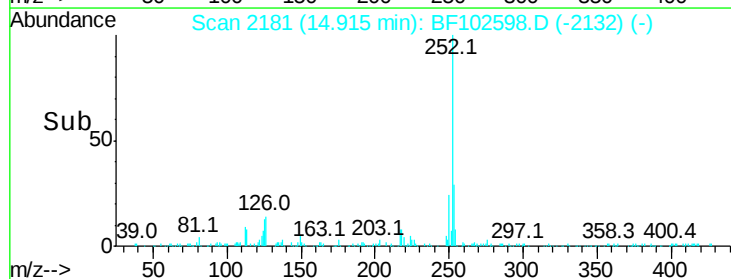
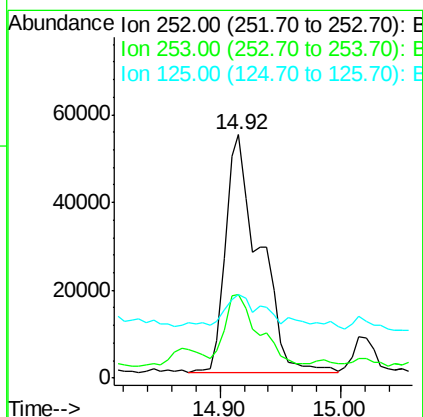
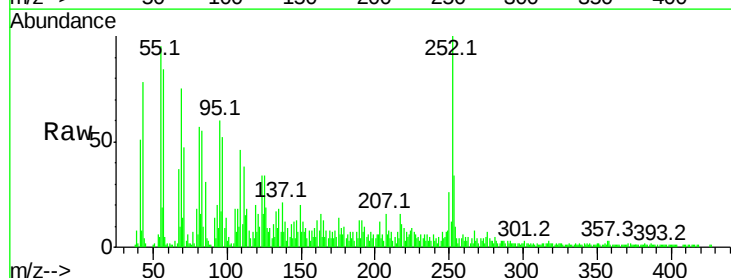
Instrument :
BNA_F
ClientSampleId :

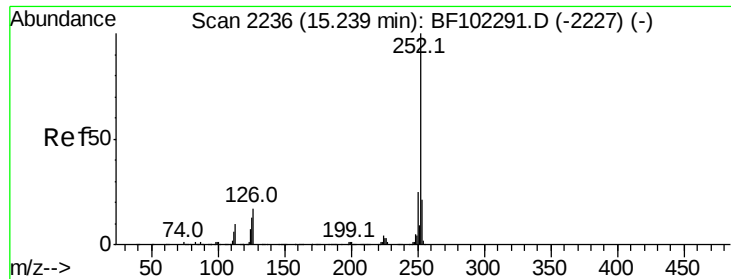
Tot Ion:252 Resp: 104745
Ion Ratio Lower Upper
252 100
253 34.3 17.0 25.6#
125 34.3 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 7.021 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BF102598.D
Acq: 29 Jan 2018 15:30

Tgt Ion:252 Resp: 104745
Ion Ratio Lower Upper
252 100
253 34.3 17.9 26.9#
125 34.3 10.2 15.2#

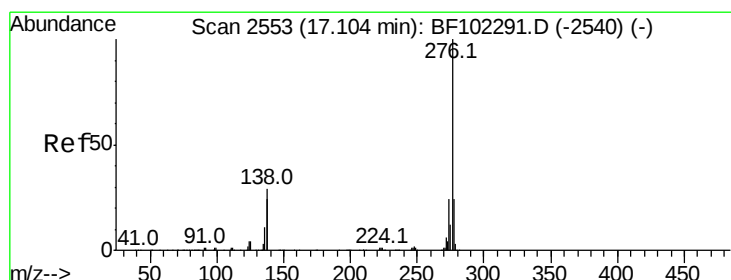
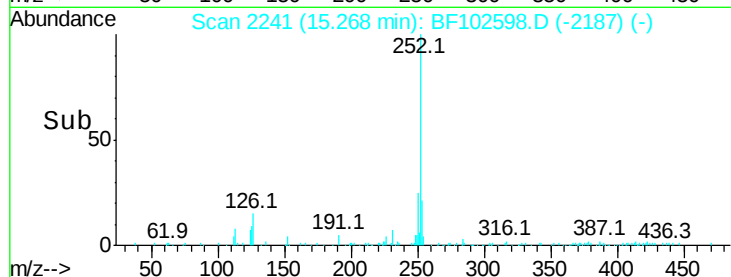
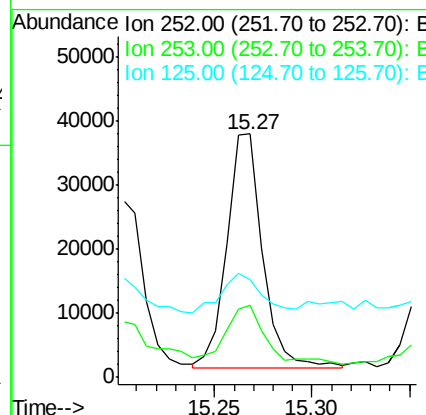
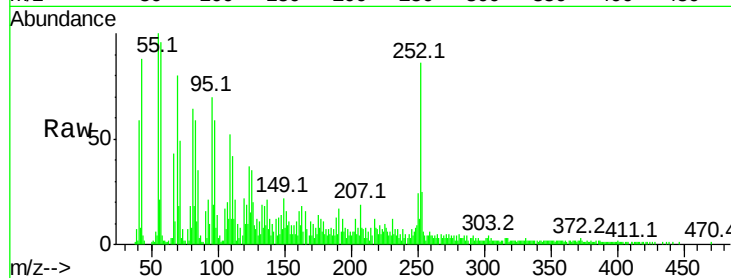




#89
Benzo(a)pyrene
Concen: 3.286 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.02 min
Lab File: BF102598.D
Acq: 29 Jan 2018 15:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 46799
Ion Ratio Lower Upper
252 100
253 29.5 17.1 25.7#
125 40.2 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 2.130 ng
RT: 17.17 min Scan# 2564
Delta R.T. 0.04 min
Lab File: BF102598.D
Acq: 29 Jan 2018 15:30

Tgt Ion:276 Resp: 24260
Ion Ratio Lower Upper
276 100
277 29.4 17.9 26.9#
138 40.7 21.8 32.8#

