

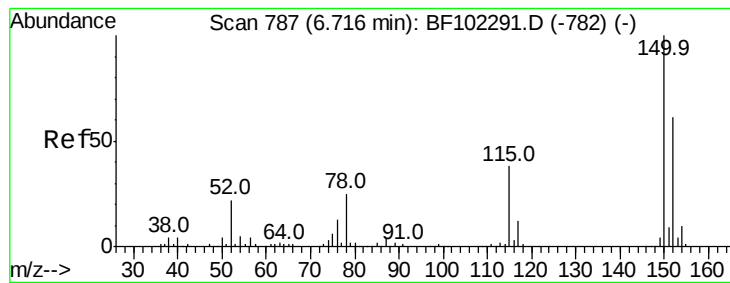
Data Path : U:\HPCHEM1\BNA F\DATA\BF013118\
 Data File : BF102667.D
 Acq On : 31 Jan 2018 20:57
 Operator : SJ/JU
 Sample : J1016-07 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 01 00:02:21 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 18:38:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	156298	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	647060	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	264139	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	369718	20.00	ng	0.00
75) Chrysene-d12	13.86	240	292280	20.00	ng	0.00
86) Perylene-d12	15.29	264	221065	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	586486	56.90	ng	0.00
7) Phenol-d6	6.35	99	703540	56.61	ng	0.00
23) Nitrobenzene-d5	7.27	82	415515	36.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	109485	41.83	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	696739	38.78	ng	0.00
78) Terphenyl-d14	12.80	244	449171	34.64	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	54482	7.164	ng	# 79
25) Isophorone	7.27	82	415513	20.700	ng	# 64
49) Dimethylphthalate	9.46	163	95268	4.364	ng	100
57) Fluorene	10.29	166	44828	2.502	ng	94
70) Phenanthrene	11.25	178	274779	12.754	ng	97
71) Anthracene	11.30	178	74577	3.391	ng	96
74) Fluoranthene	12.44	202	270001	12.290	ng	98
77) Pyrene	12.67	202	280798	12.426	ng	99
80) Benzo(a)anthracene	13.86	228	116171	6.456	ng	95
82) Chrysene	13.89	228	118293	6.473	ng	98
85) Indeno(1,2,3-cd)pyrene	16.70	276	34000	2.253	ng	98
87) Benzo(b)fluoranthene	14.89	252	138976	9.699	ng	# 83
88) Benzo(k)fluoranthene	14.89	252	138976	10.266	ng	# 86
89) Benzo(a)pyrene	15.23	252	75745	5.861	ng	# 88
91) Benzo(a,h,i)perylene	17.12	276	37528	3.631	ng	# 92

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

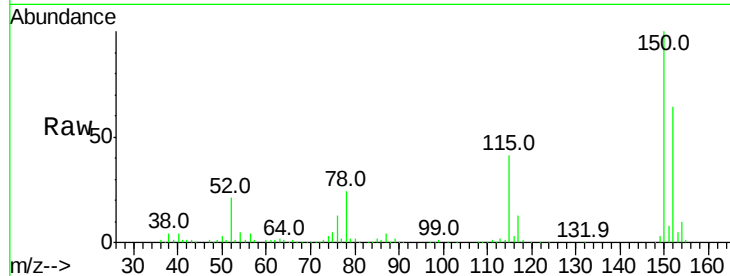


#1

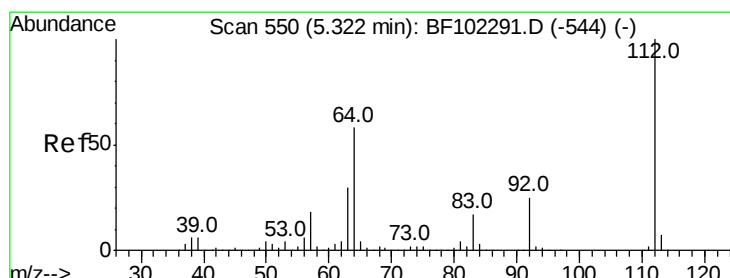
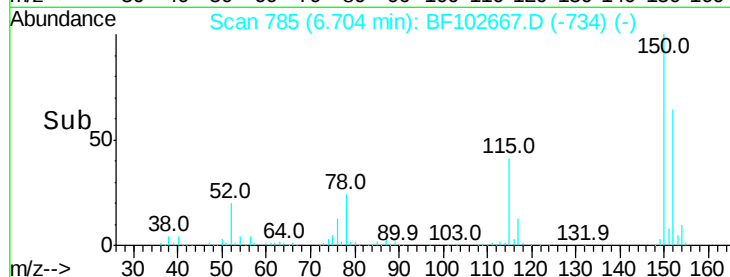
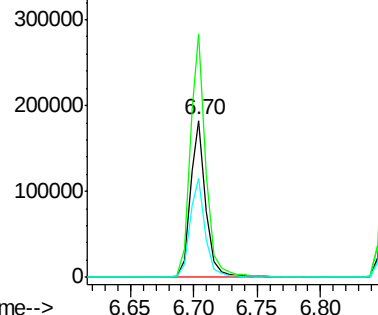
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: BF102667.D
 Acq: 31 Jan 2018 20:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 156298
 Ion Ratio Lower Upper
 152 100
 150 155.1 124.6 186.8
 115 62.8 50.1 75.1



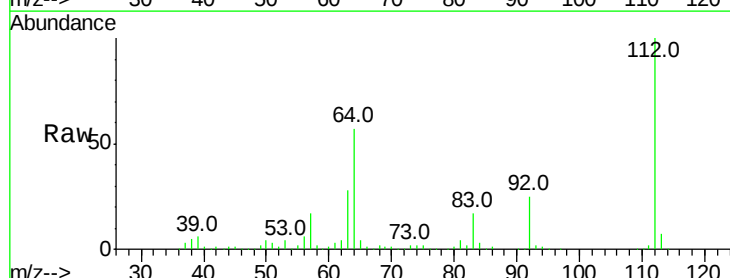
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



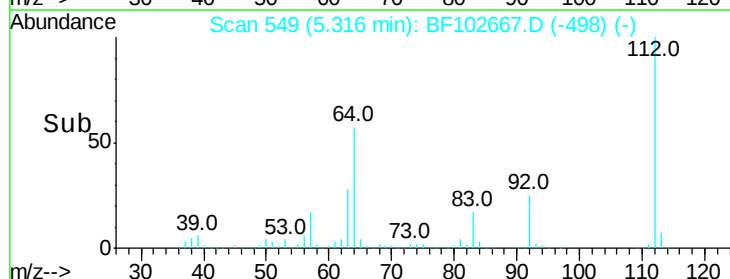
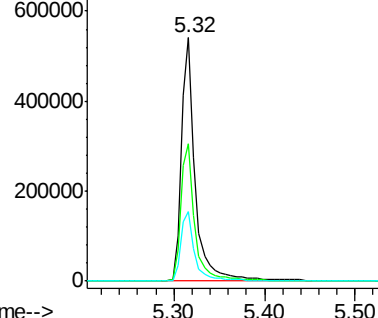
#5

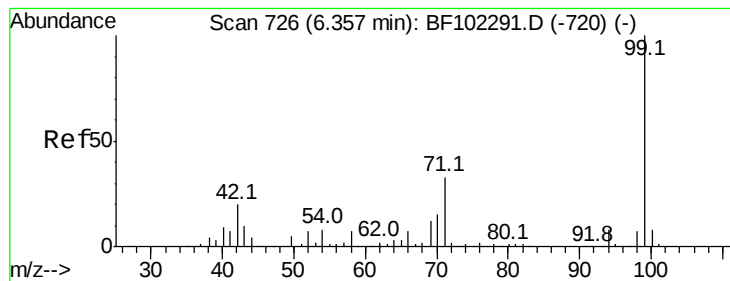
2-Fluorophenol
 Concen: 56.896 ng
 RT: 5.32 min Scan# 549
 Delta R.T. 0.00 min
 Lab File: BF102667.D
 Acq: 31 Jan 2018 20:57

Tgt Ion:112 Resp: 586486
 Ion Ratio Lower Upper
 112 100
 64 56.7 47.9 71.9
 63 28.3 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: 56.612 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF102667.D

Acq: 31 Jan 2018 20:57

Instrument :

BNA_F

ClientSampled :

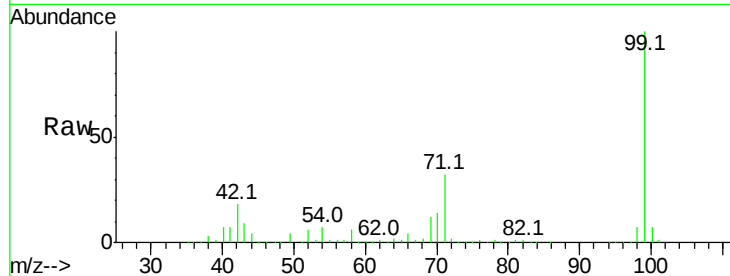
Tot Ion: 99 Resp: 703540

Ion Ratio Lower Upper

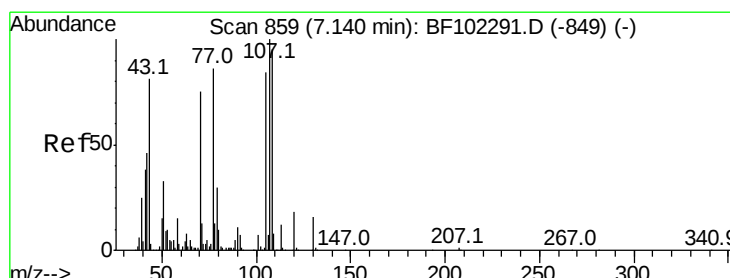
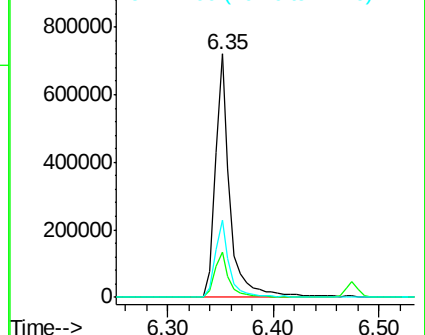
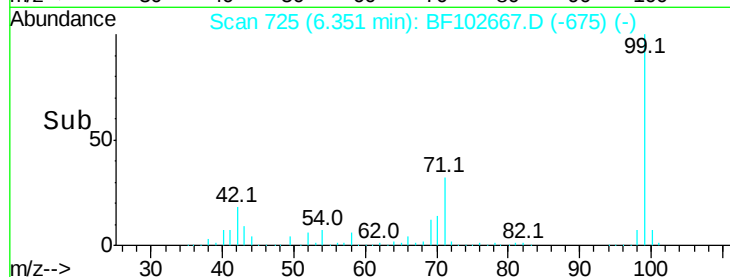
99 100

42 18.5 14.5 21.7

71 31.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 7.164 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF102667.D

Acq: 31 Jan 2018 20:57

Tgt Ion: 70 Resp: 54482

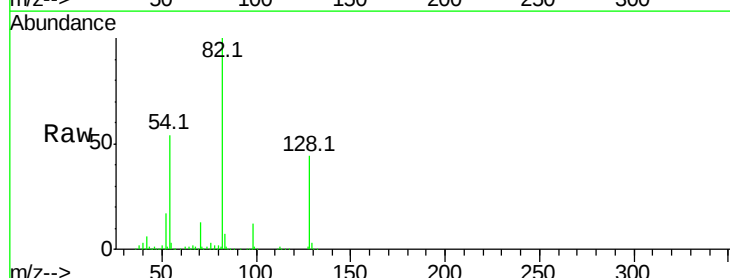
Ion Ratio Lower Upper

70 100

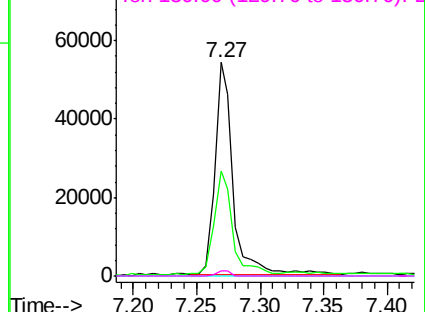
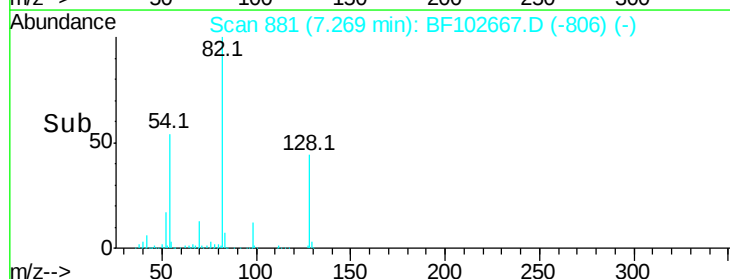
42 49.0 47.5 71.3

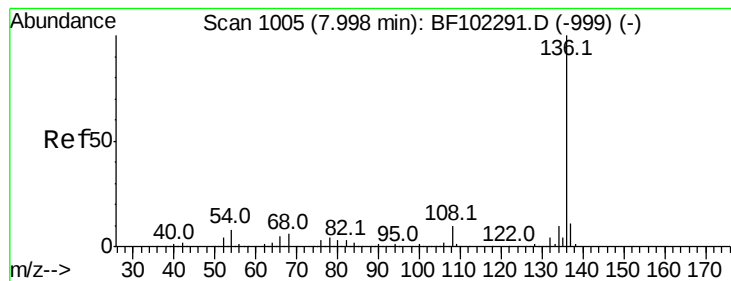
101 0.0 7.4 11.2#

130 2.5 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# 1003

Delta R.T. 0.00 min

Lab File: BF102667.D

Acq: 31 Jan 2018 20:57

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 647060

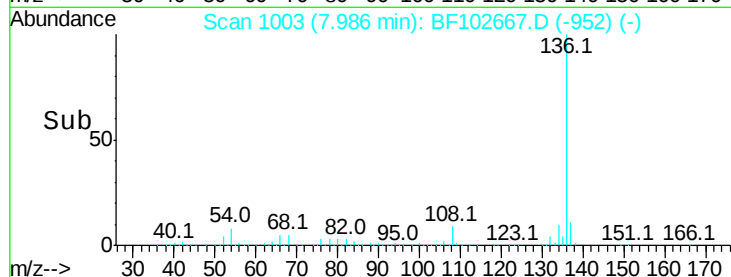
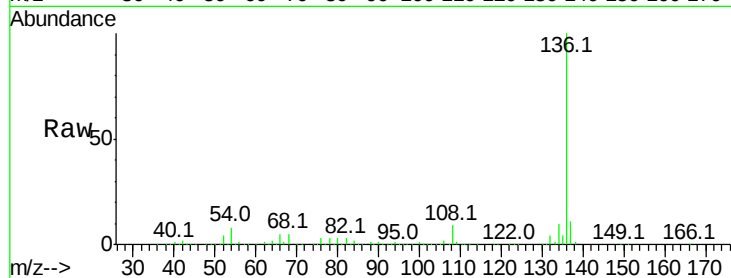
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.9 6.6 9.8

68 5.4 5.0 7.4

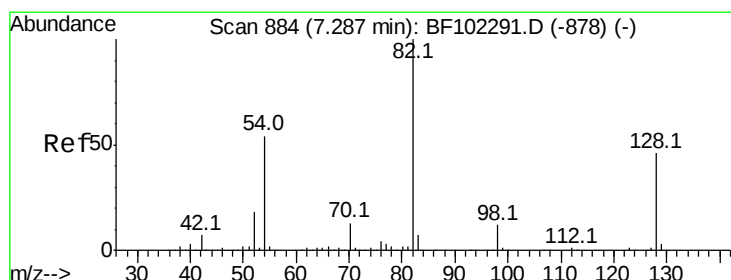
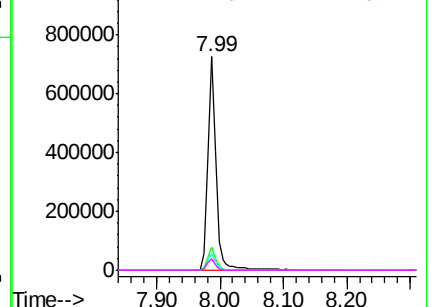


Abundance Ion 136.00 (135.70 to 136.70): E

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: 36.903 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF102667.D

Acq: 31 Jan 2018 20:57

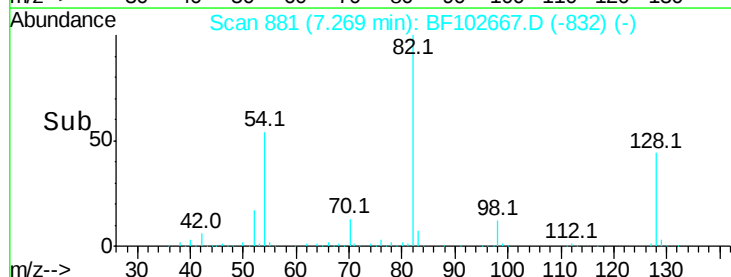
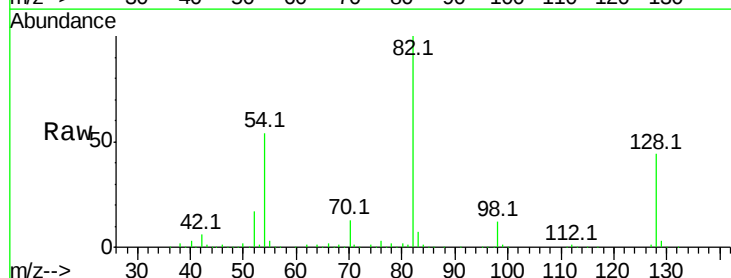
Tgt Ion: 82 Resp: 415515

Ion Ratio Lower Upper

82 100

128 44.4 36.1 54.1

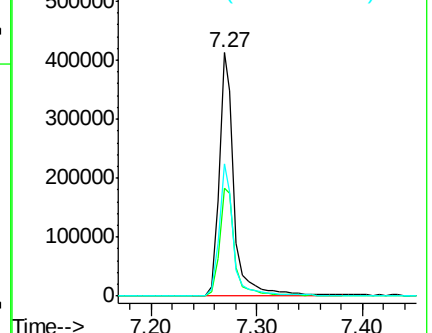
54 54.1 41.4 62.2

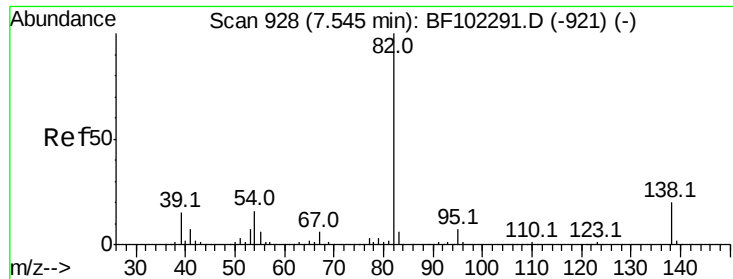


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

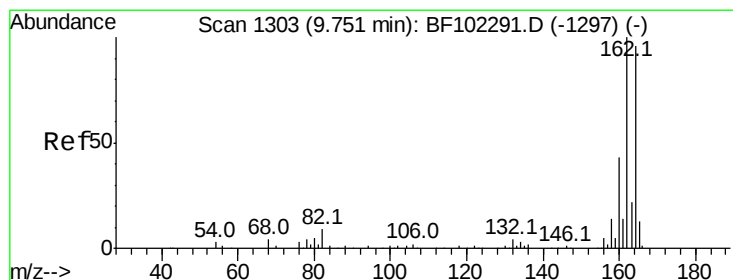
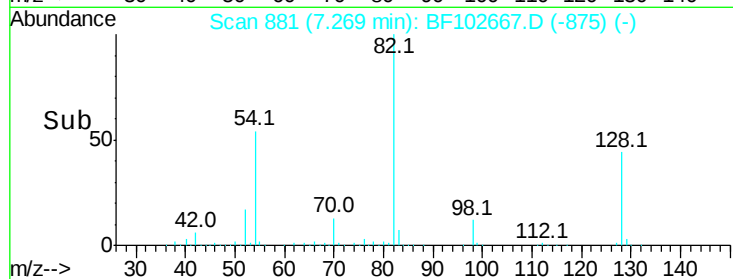
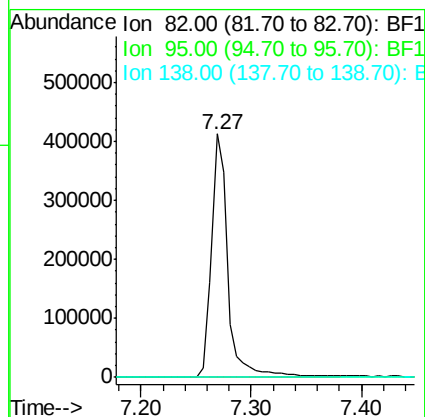
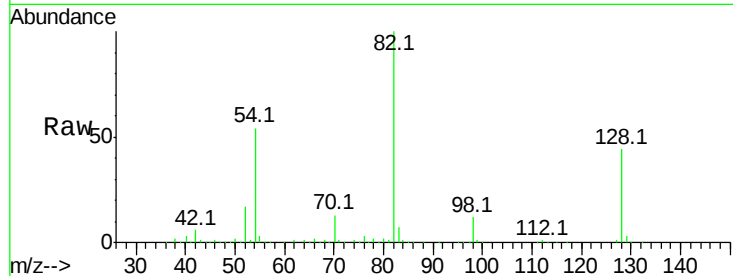




#25
Isophorone
Concen: 20.700 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.26 min
Lab File: BF102667.D
Acq: 31 Jan 2018 20:57

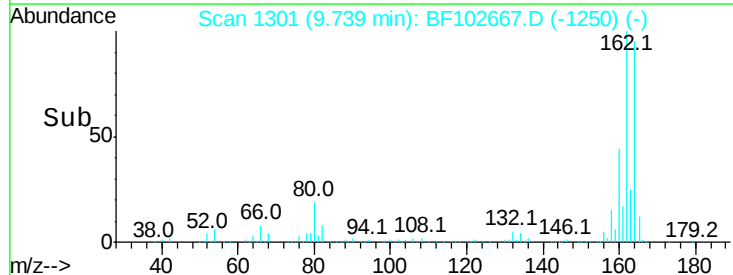
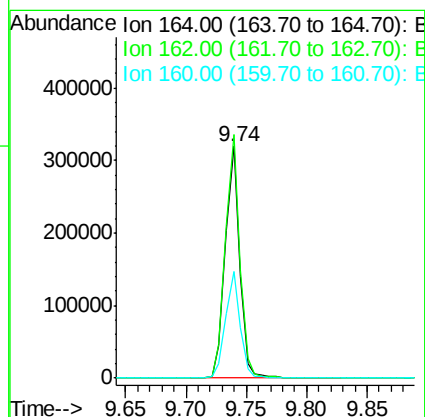
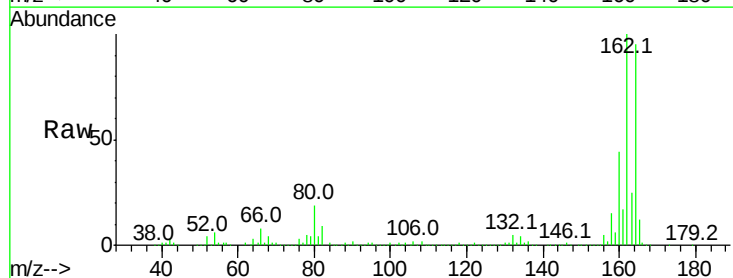
Instrument :
BNA_F
ClientSampled :

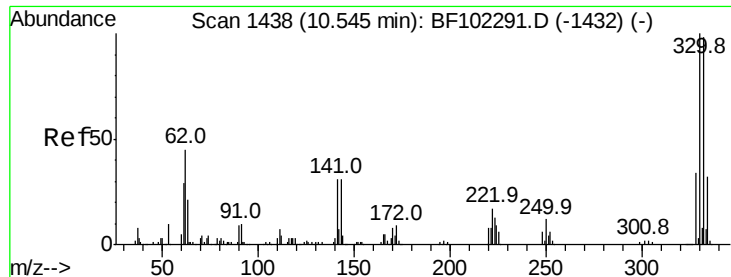
Tot Ion: 82 Resp: 415513
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF102667.D
Acq: 31 Jan 2018 20:57

Tgt Ion:164 Resp: 264139
Ion Ratio Lower Upper
164 100
162 105.1 86.1 129.1
160 46.0 38.3 57.5

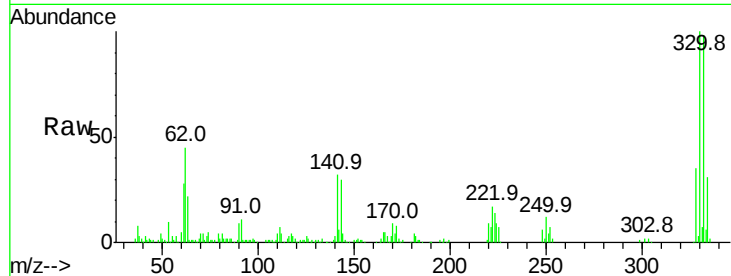




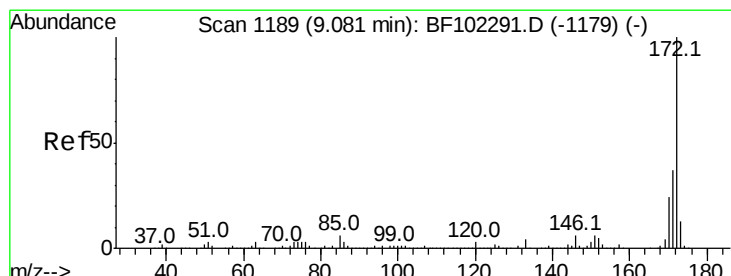
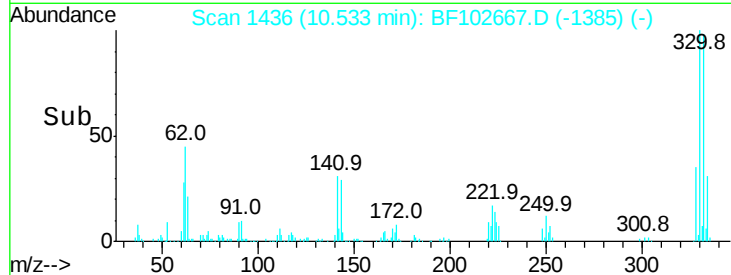
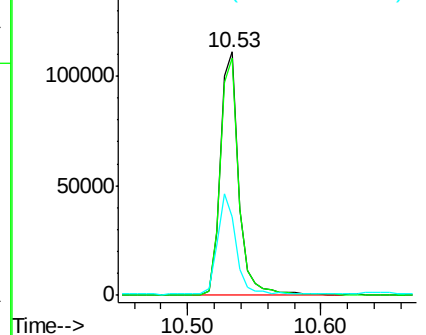
#41
 2,4,6-Tribromophenol
 Concen: 41.832 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. 0.00 min
 Lab File: BF102667.D
 Acq: 31 Jan 2018 20:57

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.5	77.0	115.6
141	41.6	29.9	44.9

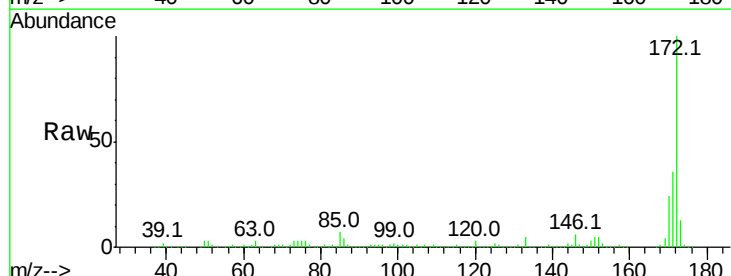


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

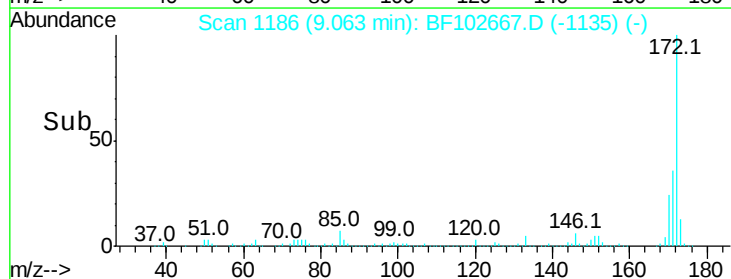
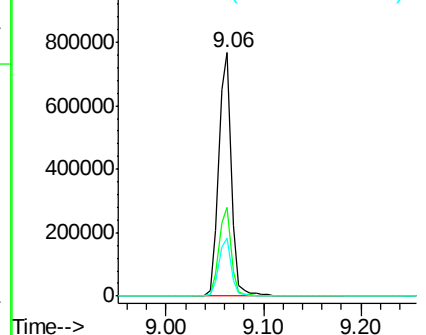


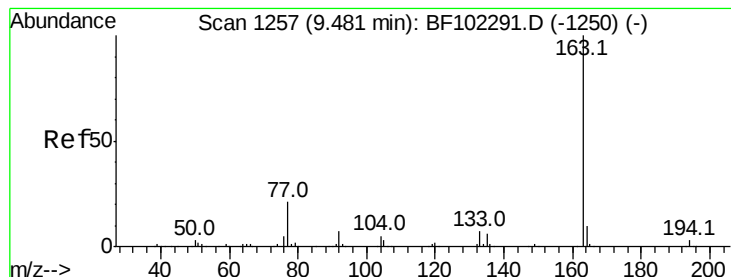
#44
 2-Fluorobiphenyl
 Concen: 38.785 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF102667.D
 Acq: 31 Jan 2018 20:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.0	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: 4.364 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.01 min

Lab File: BF102667.D

Acq: 31 Jan 2018 20:57

Instrument :

BNA_F

ClientSampleId :

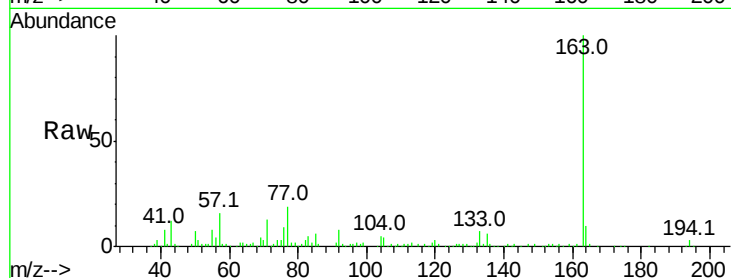
Tot Ion:163 Resp: 95268

Ion Ratio Lower Upper

163 100

194 3.1 2.7 4.1

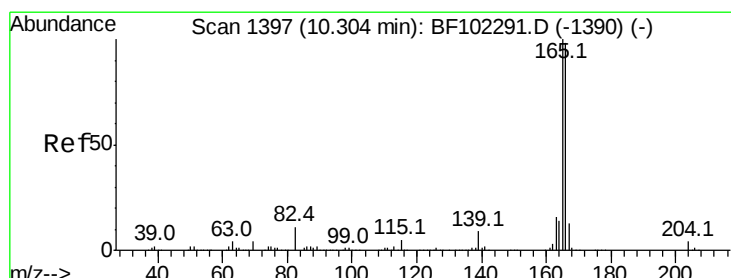
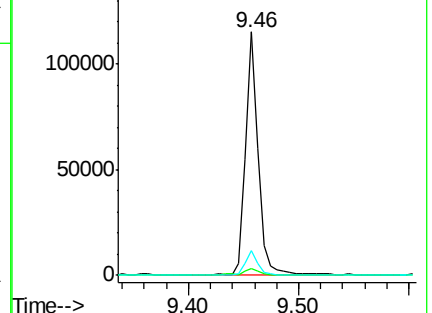
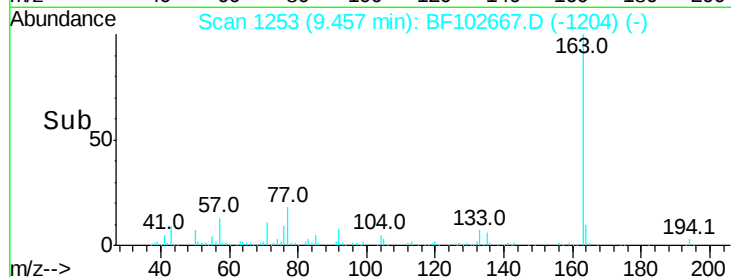
164 10.2 8.2 12.2



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



#57

Fluorene

Concen: 2.502 ng

RT: 10.29 min Scan# 1394

Delta R.T. -0.01 min

Lab File: BF102667.D

Acq: 31 Jan 2018 20:57

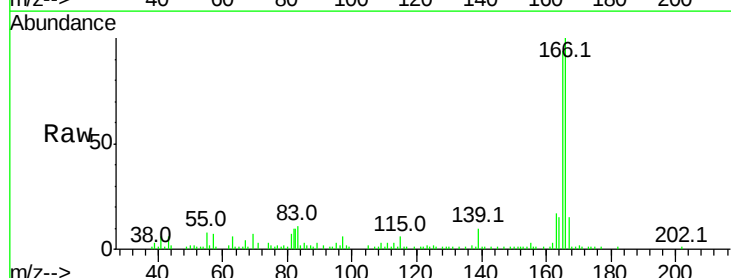
Tgt Ion:166 Resp: 44828

Ion Ratio Lower Upper

166 100

165 93.6 79.8 119.8

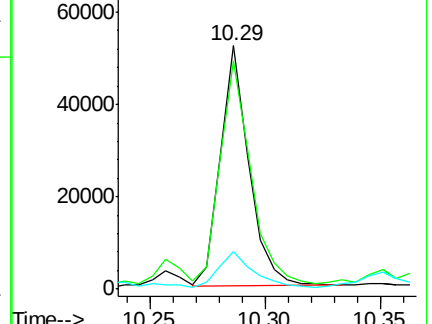
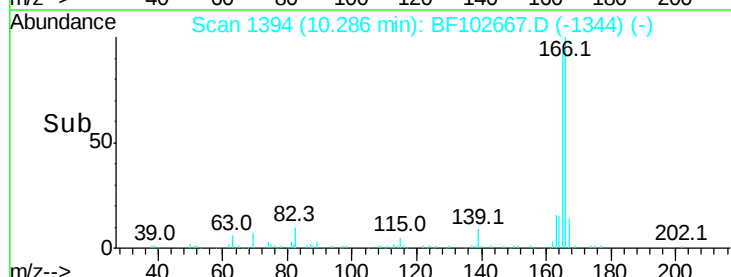
167 15.2 10.6 16.0

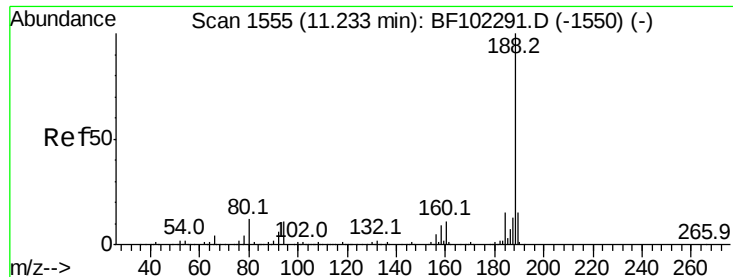


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

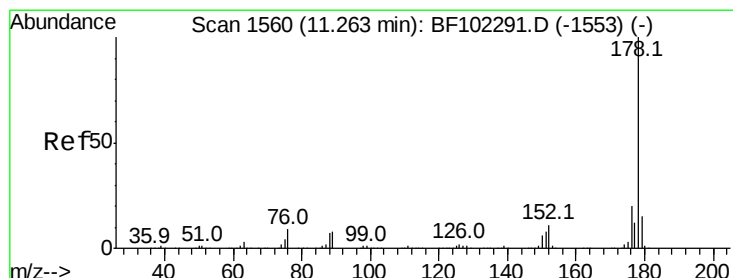
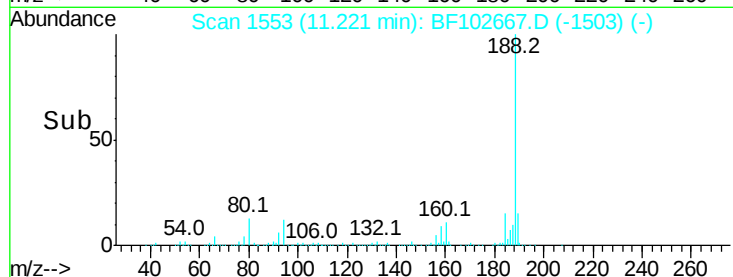
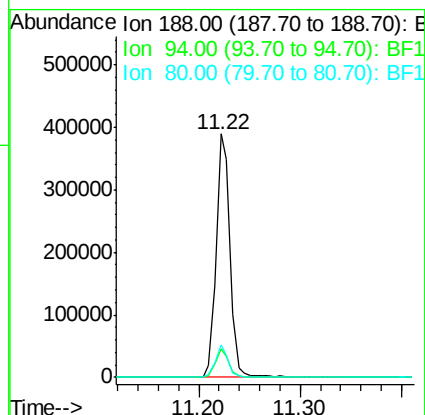
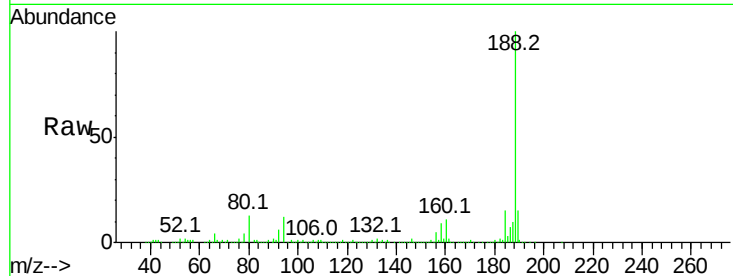




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF102667.D
Acq: 31 Jan 2018 20:57

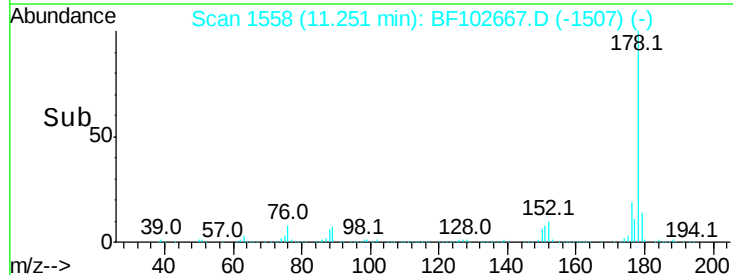
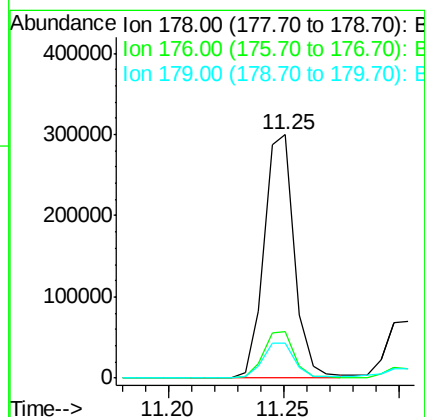
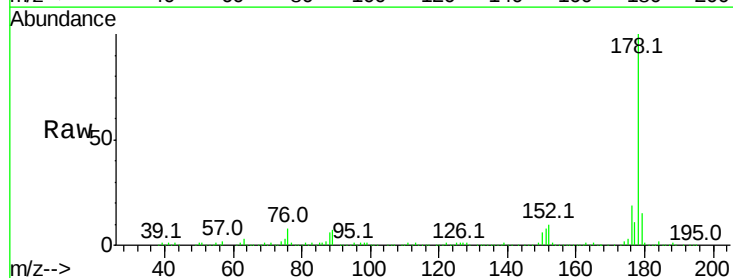
Instrument :
BNA_F
ClientSampled :

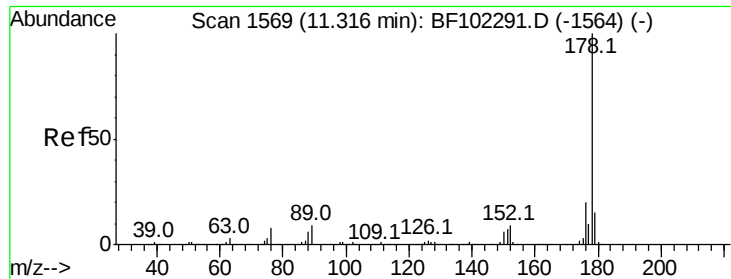
Tot Ion:188 Resp: 369718
Ion Ratio Lower Upper
188 100
94 11.8 8.5 12.7
80 13.1 9.2 13.8



#70
Phenanthrene
Concen: 12.754 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF102667.D
Acq: 31 Jan 2018 20:57

Tgt Ion:178 Resp: 274779
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 14.6 13.0 19.6

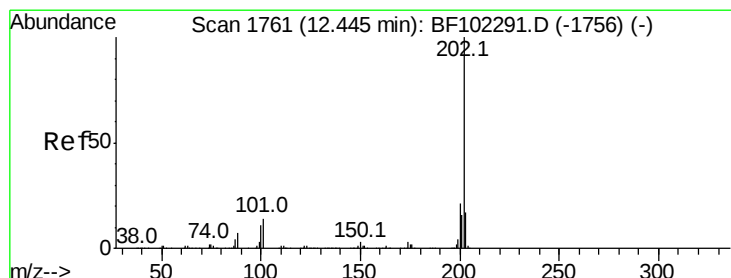
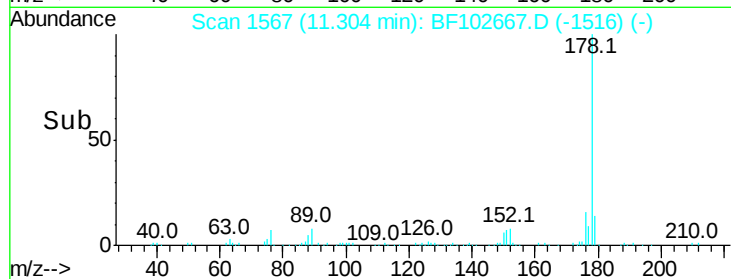
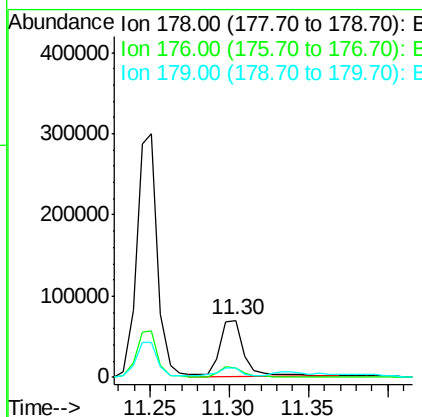
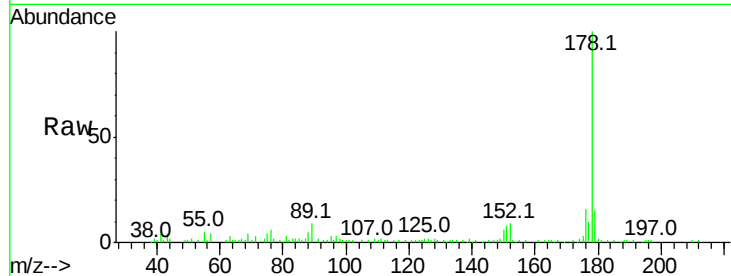




#71
 Anthracene
 Concen: 3.391 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: BF102667.D
 Acq: 31 Jan 2018 20:57

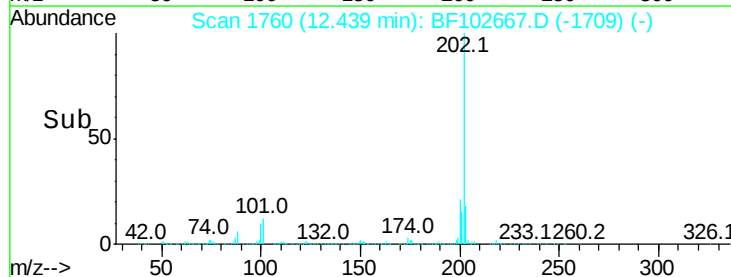
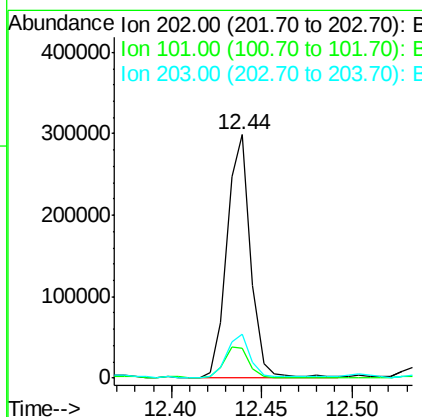
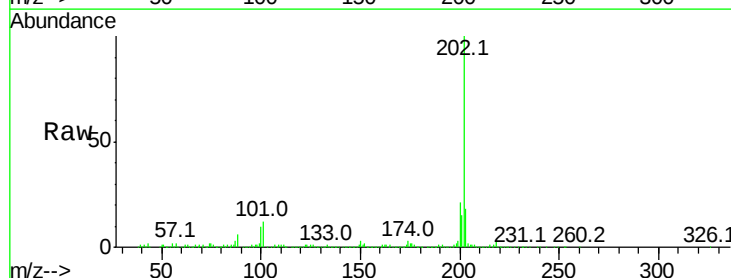
Instrument :
 BNA_F
 ClientSampleId :

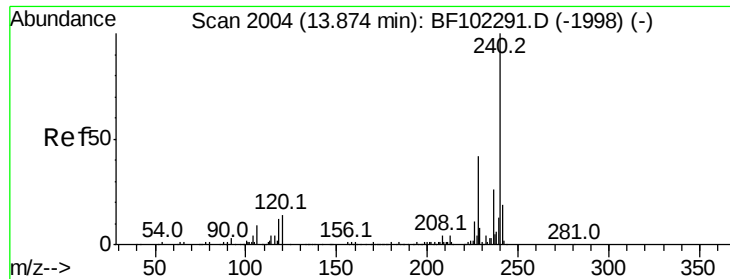
Tot Ion:178 Resp: 74577
 Ion Ratio Lower Upper
 178 100
 176 16.2 15.4 23.2
 179 15.4 12.6 19.0



#74
 Fluoranthene
 Concen: 12.290 ng
 RT: 12.44 min Scan# 1760
 Delta R.T. 0.00 min
 Lab File: BF102667.D
 Acq: 31 Jan 2018 20:57

Tgt Ion:202 Resp: 270001
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 34.1
 203 17.8 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF102667.D

Acq: 31 Jan 2018 20:57

Instrument :

BNA_F

ClientSampleId :

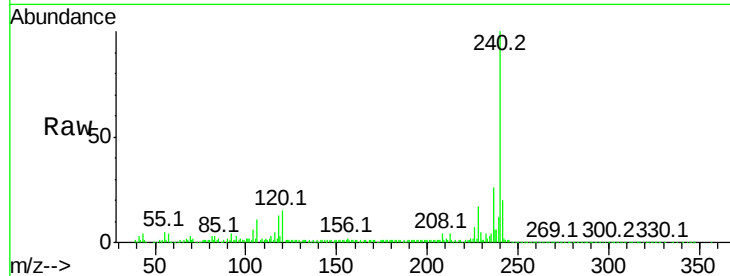
Tot Ion:240 Resp: 292280

Ion Ratio Lower Upper

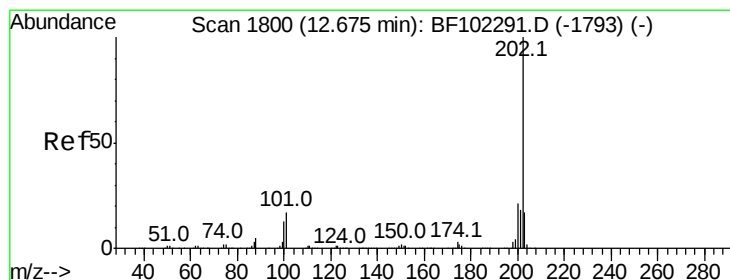
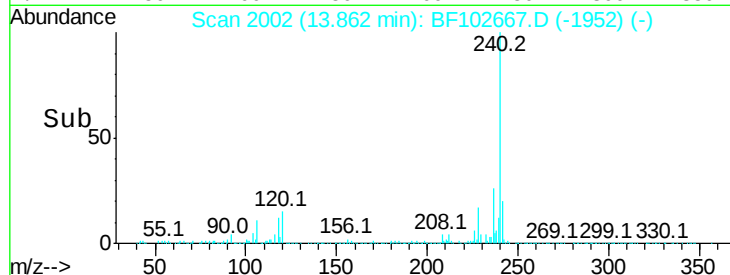
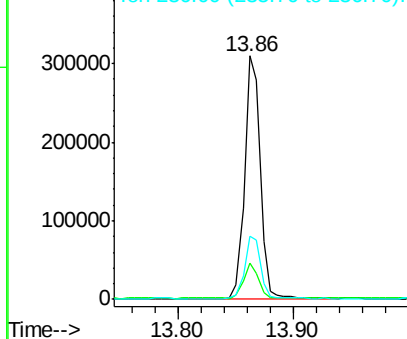
240 100

120 15.1 9.5 14.3#

236 26.0 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: 12.426 ng

RT: 12.67 min Scan# 1799

Delta R.T. 0.00 min

Lab File: BF102667.D

Acq: 31 Jan 2018 20:57

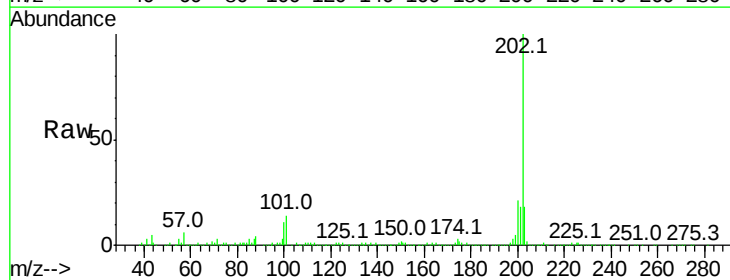
Tgt Ion:202 Resp: 280798

Ion Ratio Lower Upper

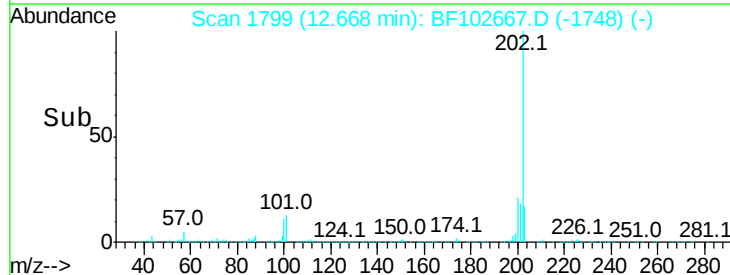
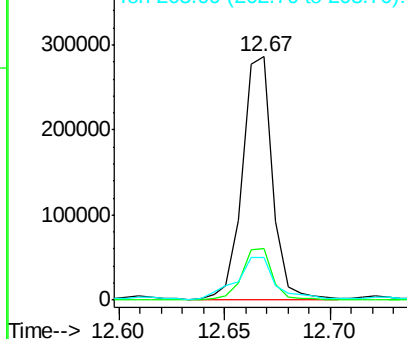
202 100

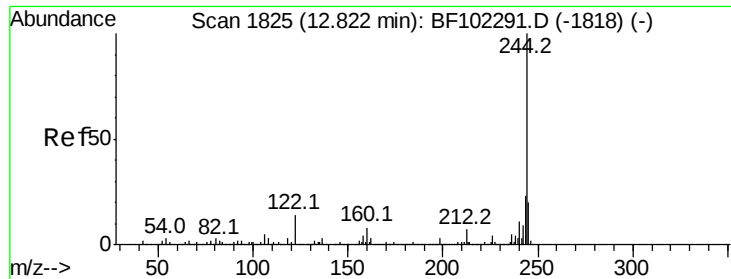
200 21.1 17.4 26.2

203 17.7 14.3 21.5



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





#78

Terphenyl-d14

Concen: 34.645 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF102667.D

Acq: 31 Jan 2018 20:57

Instrument :

BNA_F

ClientSampleId :

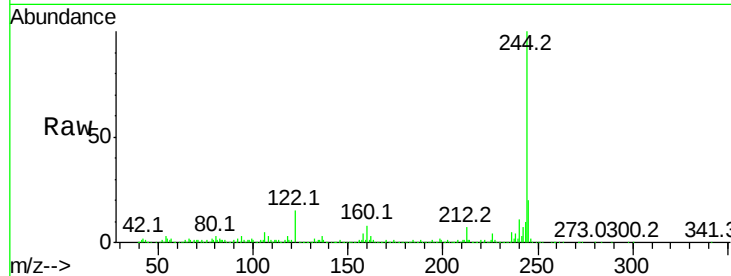
Tot Ion:244 Resp: 449171

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	14.8	11.0	16.4

244 100

212 6.9 5.4 8.0

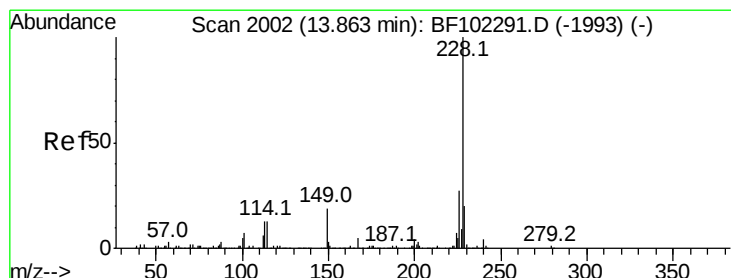
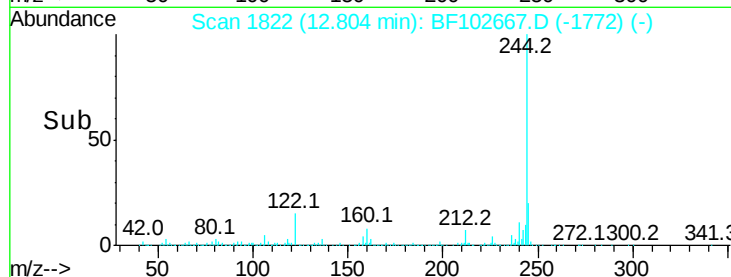
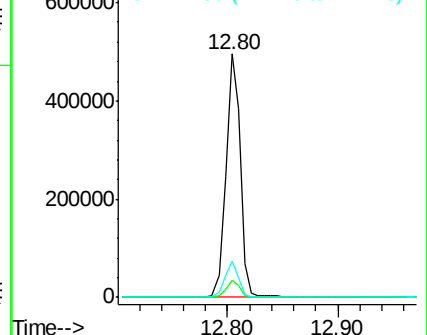
122 14.8 11.0 16.4



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: 6.456 ng

RT: 13.86 min Scan# 2001

Delta R.T. 0.00 min

Lab File: BF102667.D

Acq: 31 Jan 2018 20:57

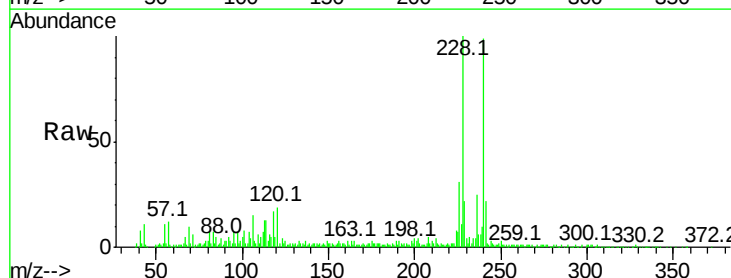
Tgt Ion:228 Resp: 116171

Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.6	33.8
229	21.7	15.8	23.6

228 100

226 31.0 22.6 33.8

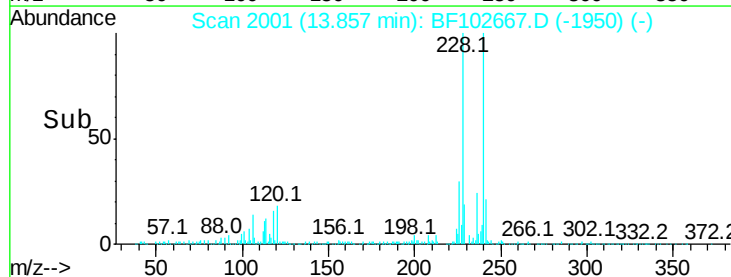
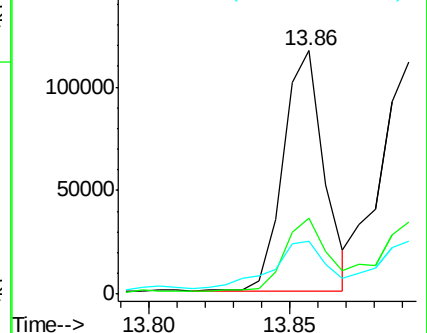
229 21.7 15.8 23.6

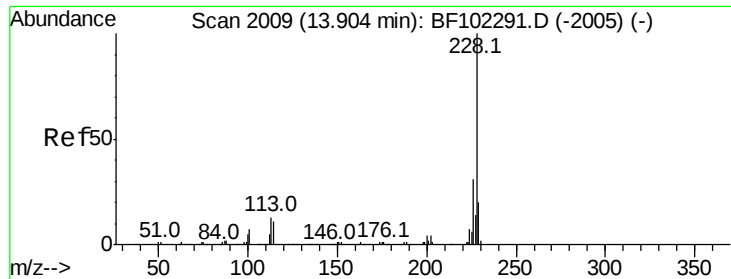


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.473 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BF102667.D

Acq: 31 Jan 2018 20:57

Instrument :

BNA_F

ClientSampleId :

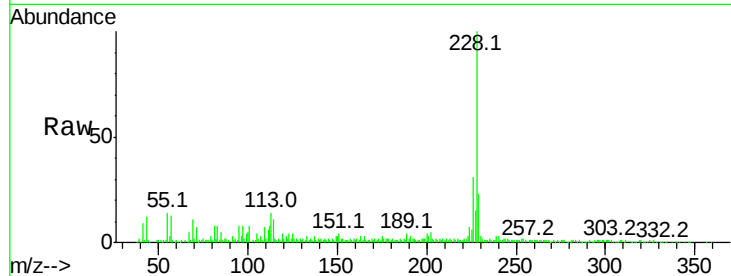
Tot Ion:228 Resp: 118293

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.6

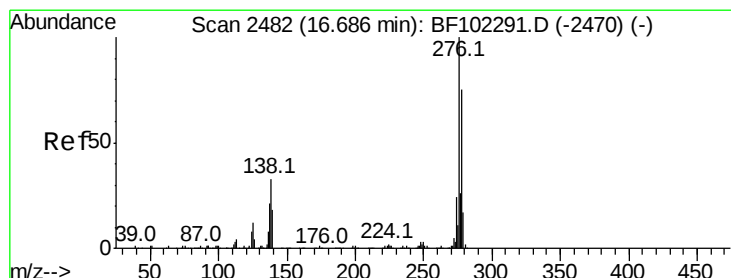
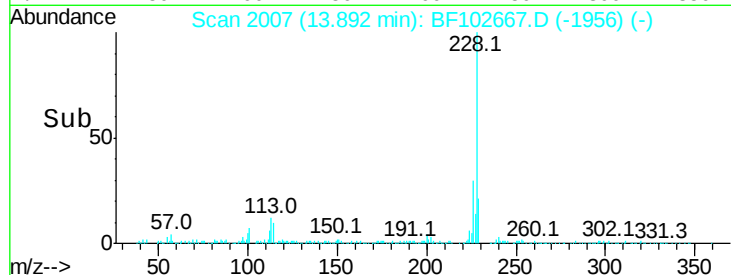
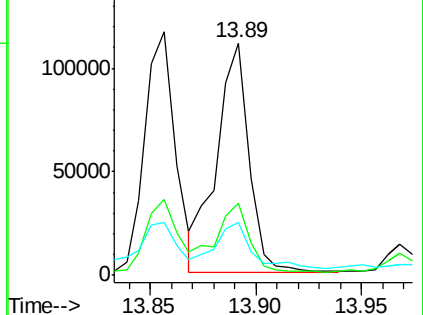
229 22.7 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.253 ng

RT: 16.70 min Scan# 2484

Delta R.T. 0.01 min

Lab File: BF102667.D

Acq: 31 Jan 2018 20:57

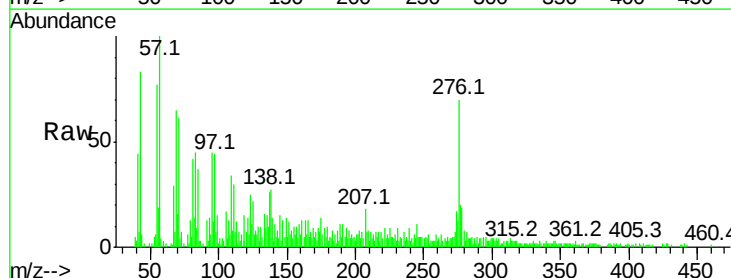
Tgt Ion:276 Resp: 34000

Ion Ratio Lower Upper

276 100

138 31.1 25.0 37.6

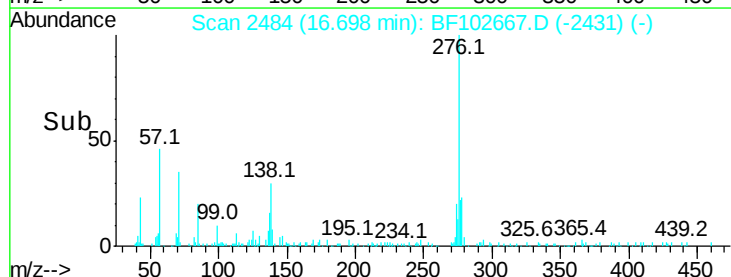
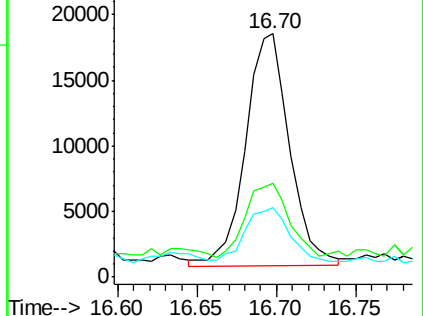
277 23.5 20.1 30.1

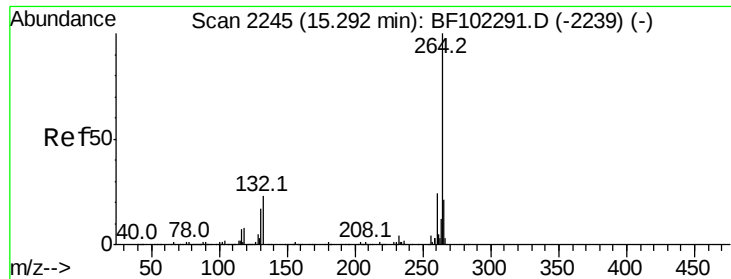


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

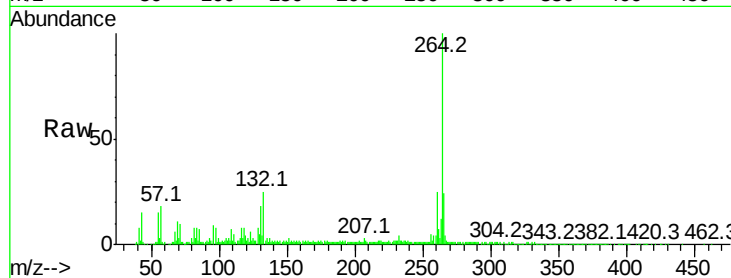




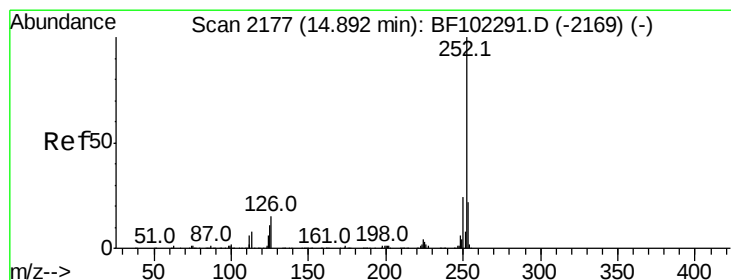
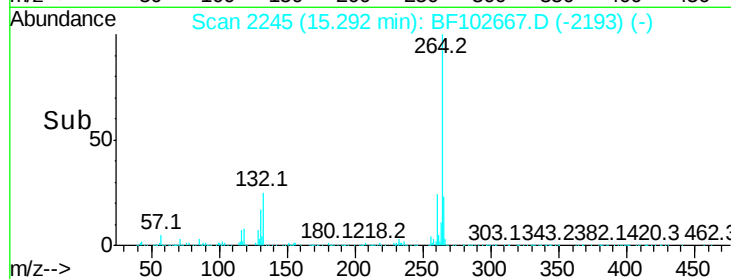
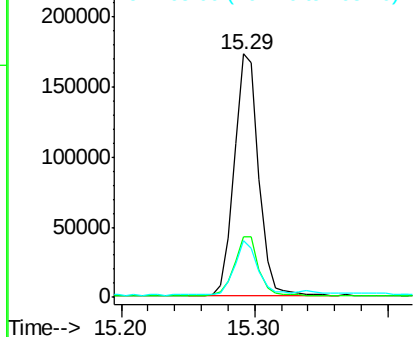
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.01 min
Lab File: BF102667.D
Acq: 31 Jan 2018 20:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	23.6	17.5	26.3

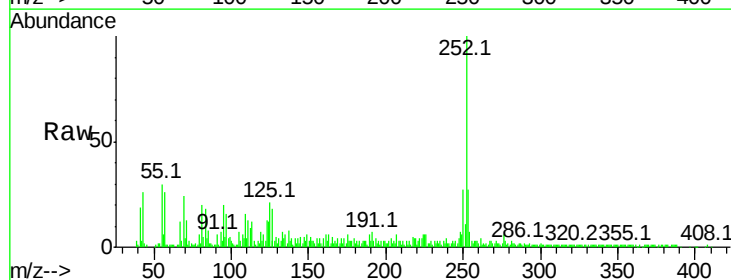


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

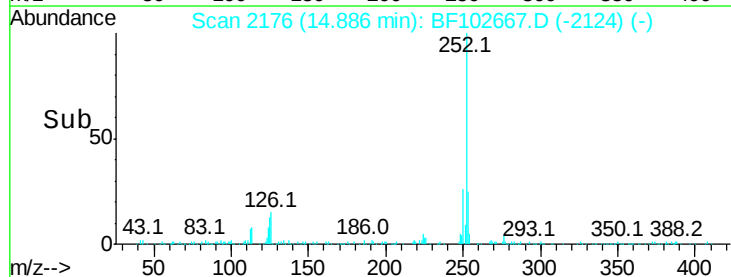
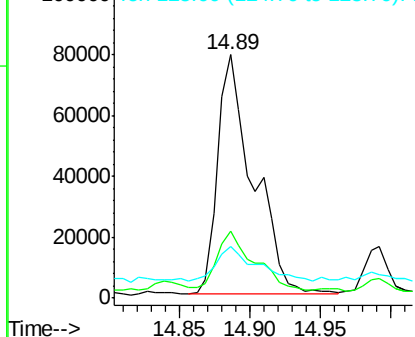


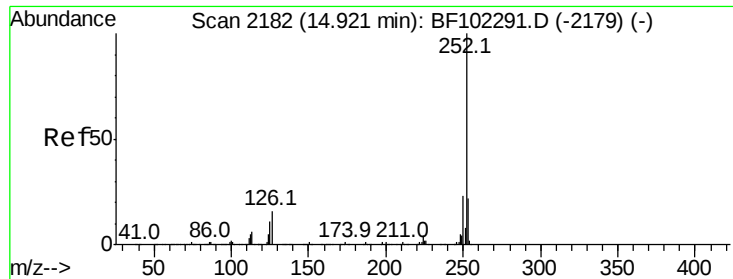
#87
Benzo(b)fluoranthene
Concen: 9.699 ng
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF102667.D
Acq: 31 Jan 2018 20:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.4	17.0	25.6#
125	21.0	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

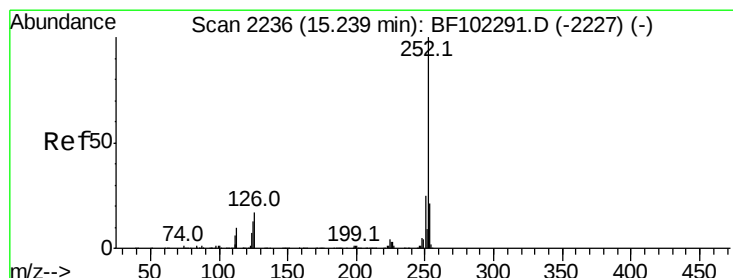
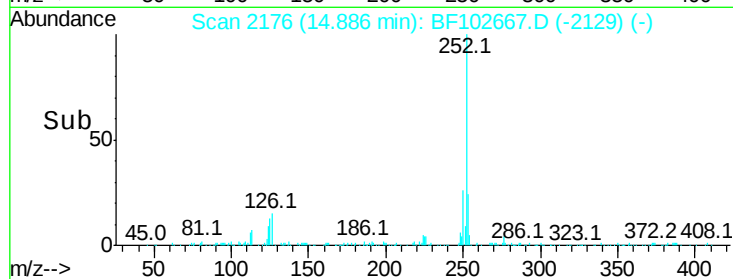
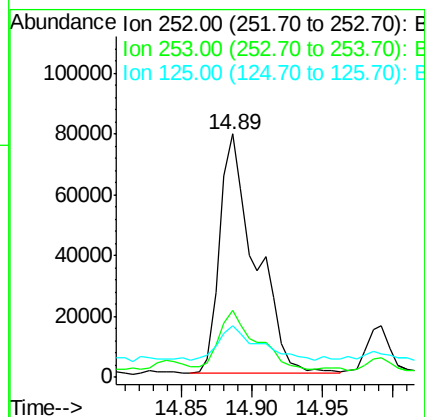
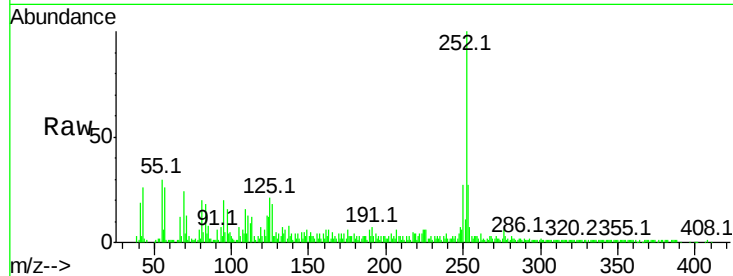




#88
Benzo(k)fluoranthene
Concen: 10.266 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BF102667.D
Acq: 31 Jan 2018 20:57

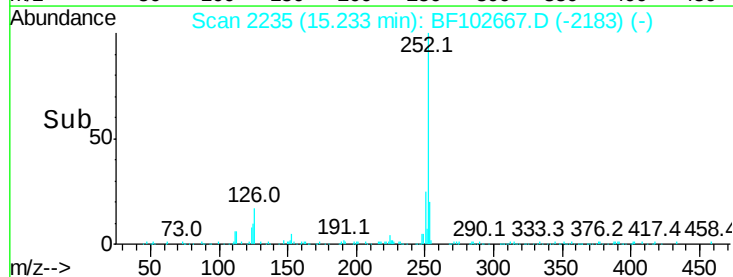
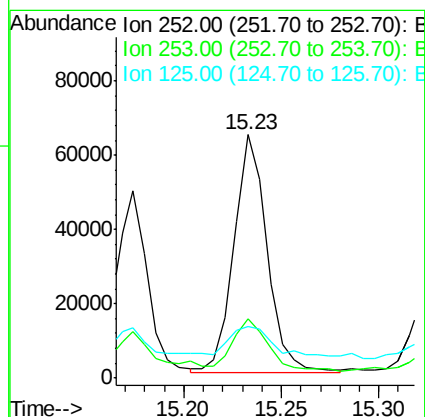
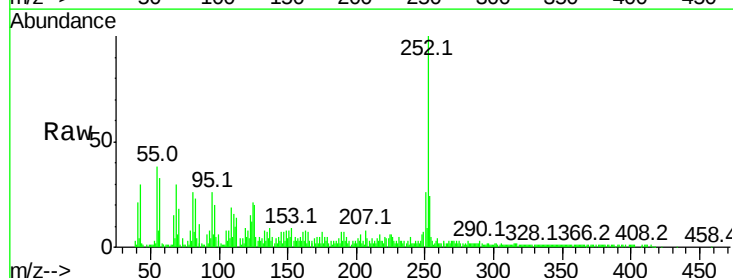
Instrument :
BNA_F
ClientSampleId :

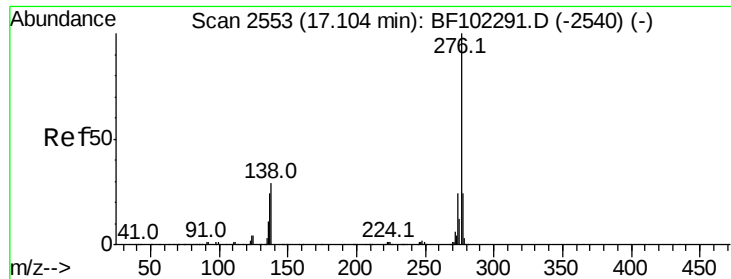
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.4	17.9	26.9#
125	21.0	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 5.861 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF102667.D
Acq: 31 Jan 2018 20:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	21.4	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 3.631 ng

RT: 17.12 min Scan# 2556

Delta R.T. 0.02 min

Lab File: BF102667.D

Acq: 31 Jan 2018 20:57

Instrument :

BNA_F

ClientSampleId :

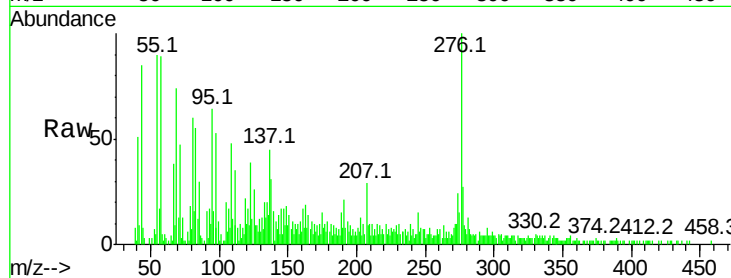
Tot Ion:276 Resp: 37528

Ion Ratio Lower Upper

276 100

277 27.2 17.9 26.9#

138 31.1 21.8 32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

