

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
 Data File : BF106344.D
 Acq On : 12 Jun 2018 15:07
 Operator : JU/SJ
 Sample : J3245-03 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 13 01:07:53 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 11 15:00:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	149020	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	515341	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	201937	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	386290	20.00	ng	0.00
75) Chrysene-d12	14.16	240	482431	20.00	ng	0.00
86) Perylene-d12	15.71	264	394312	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	433008	49.18	ng	0.00
7) Phenol-d6	6.59	99	512354	46.06	ng	0.00
23) Nitrobenzene-d5	7.53	82	318445	36.35	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	100122	51.53	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	531038	37.26	ng	0.00
78) Terphenyl-d14	13.08	244	651561	33.55	ng	0.00

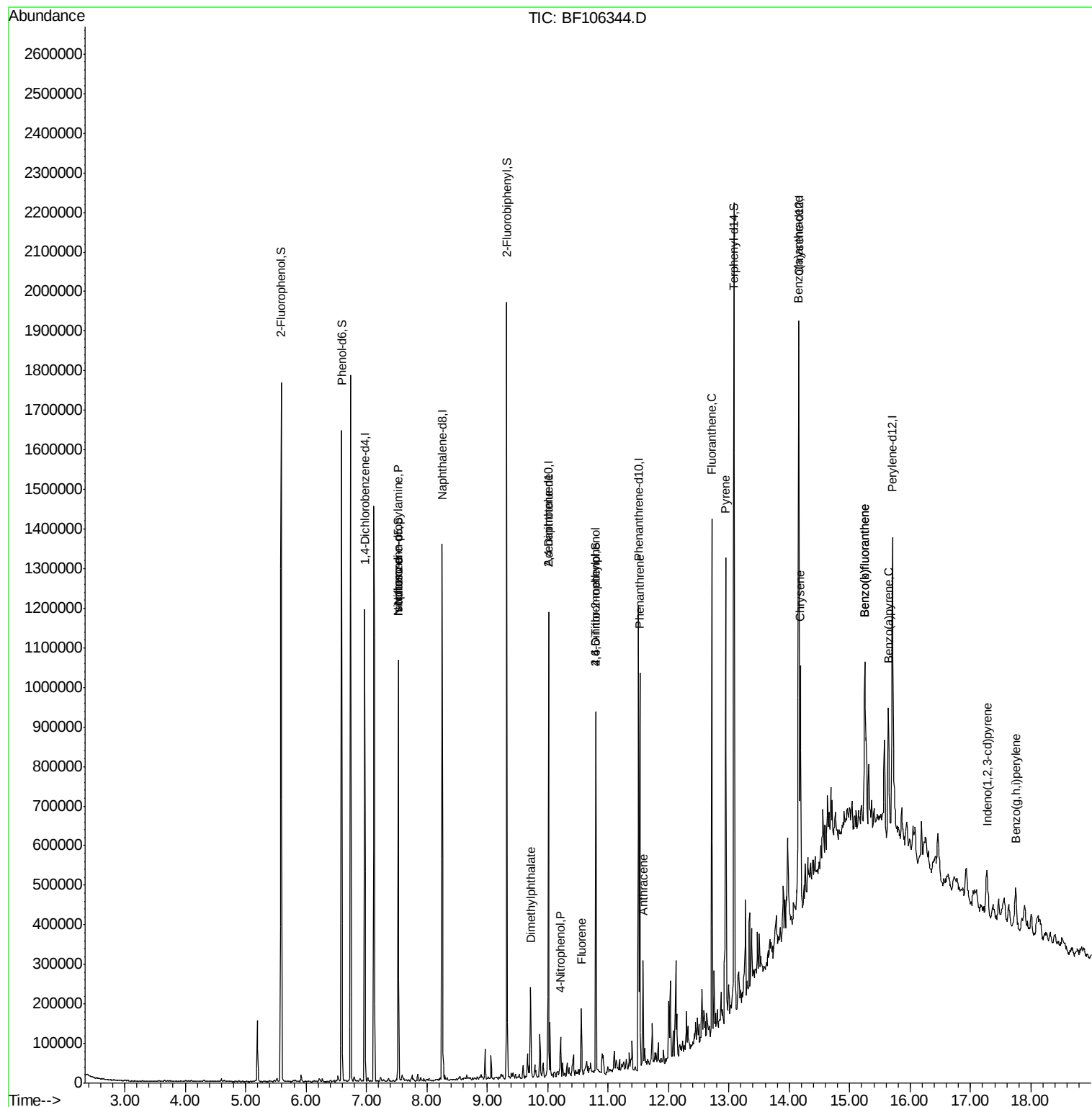
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	43096	5.164	ng	# 74
25) Isophorone	7.53	82	318441	18.611	ng	# 64
49) Dimethylphthalate	9.72	163	72193	5.004	ng	99
55) 4-Nitrophenol	10.21	139	10349	3.860	ng	# 13
56) 2,4-Dinitrotoluene	10.01	165	26692	7.213	ng	# 24
57) Fluorene	10.56	166	44116	3.342	ng	97
64) 4,6-Dinitro-2-methylphenol	10.80	198	249	6.399	ng	# 1
70) Phenanthrene	11.52	178	320337	16.933	ng	99
71) Anthracene	11.58	178	94172	4.969	ng	99
74) Fluoranthene	12.72	202	478108	23.698	ng	96
77) Pyrene	12.95	202	448122	14.837	ng	100
80) Benzo(a)anthracene	14.15	228	255740	8.908	ng	96
82) Chrysene	14.18	228	227385	8.675	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	80738	3.860	ng	# 92
87) Benzo(b)fluoranthene	15.25	252	337628	14.165	ng	96
88) Benzo(k)fluoranthene	15.25	252	337628	14.303	ng	97
89) Benzo(a)pyrene	15.64	252	172689	8.055	ng	96
91) Benzo(g,h,i)perylene	17.75	276	80290	4.622	ng	# 92

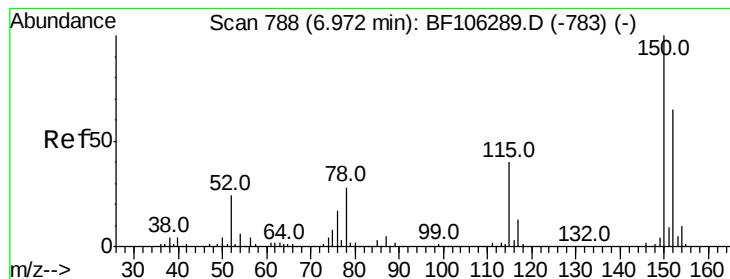
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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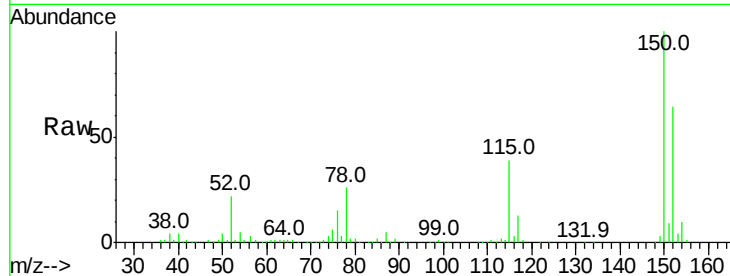


#1

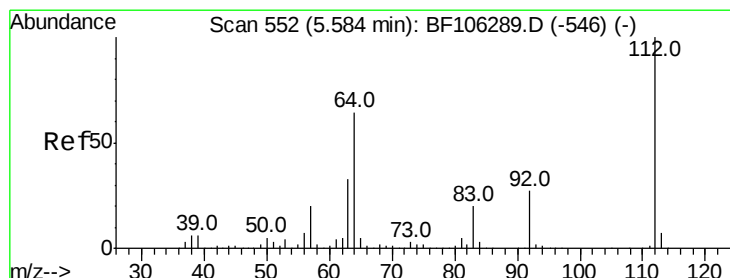
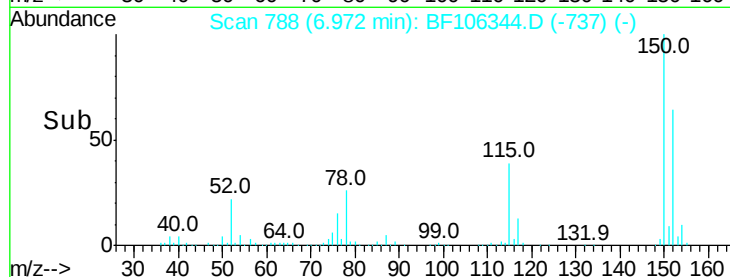
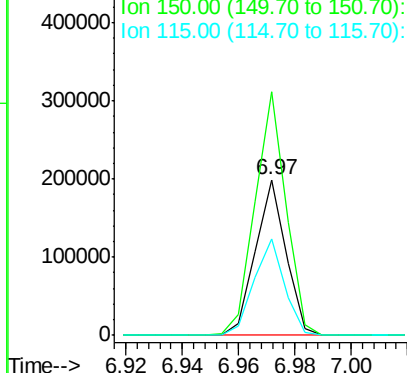
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 149020
Ion Ratio Lower Upper
152 100
150 156.8 124.6 186.8
115 61.8 50.1 75.1



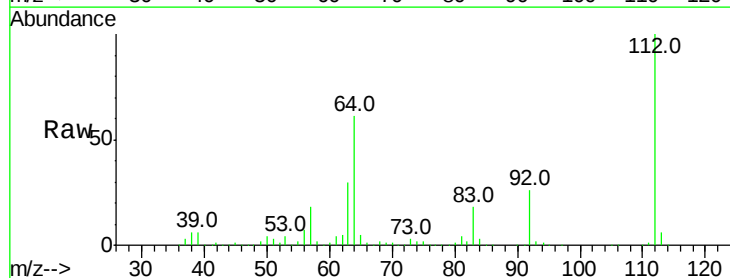
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



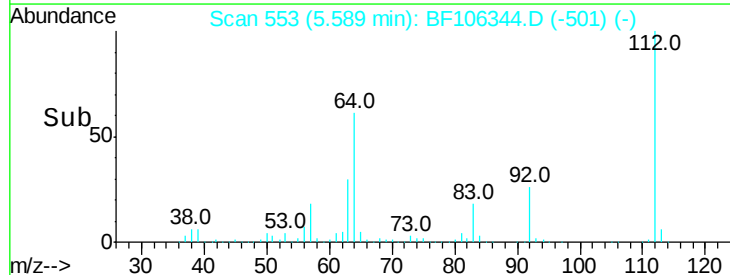
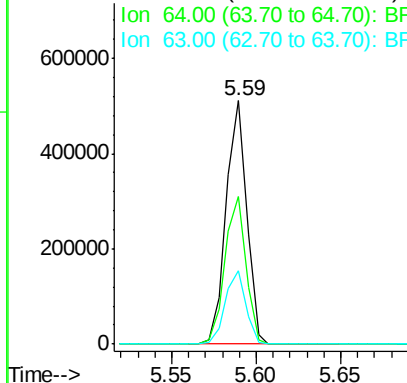
#5

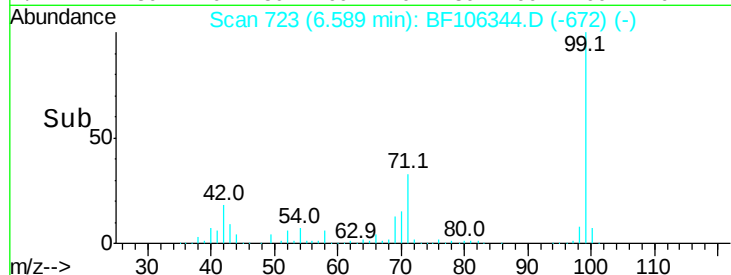
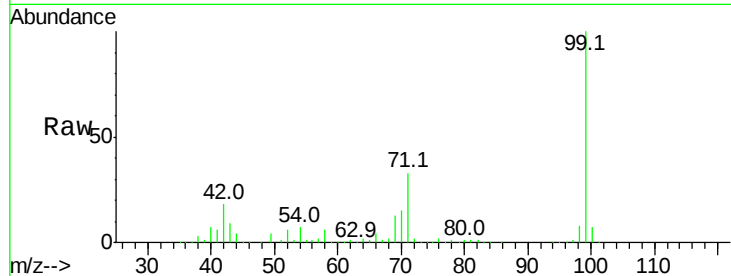
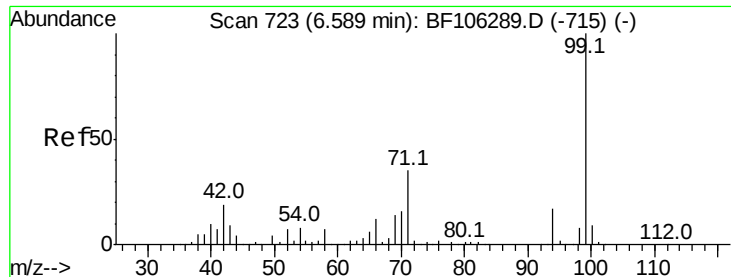
2-Fluorophenol
Concen: 49.179 ng
RT: 5.59 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

Tgt Ion:112 Resp: 433008
Ion Ratio Lower Upper
112 100
64 60.9 47.9 71.9
63 30.3 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: 46.059 ng

RT: 6.59 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF106344.D

Acq: 12 Jun 2018 15:07

Instrument :

BNA_F

ClientSampleId :

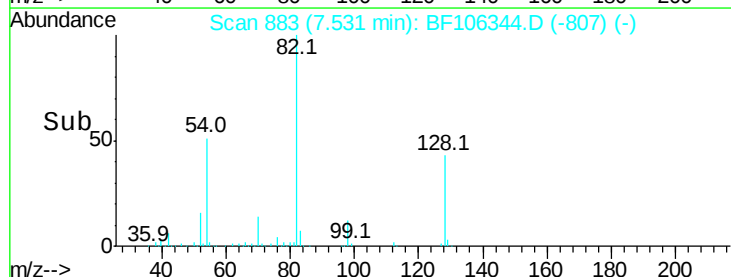
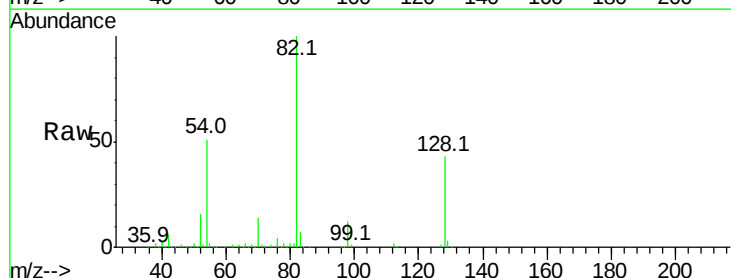
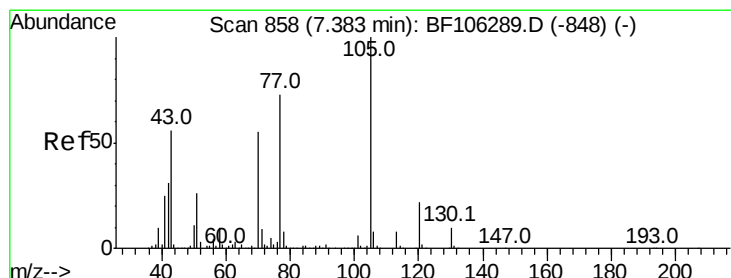
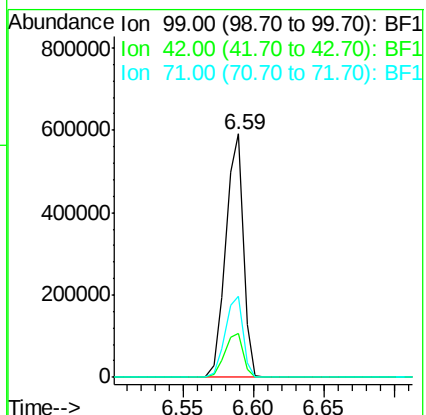
Tot Ion: 99 Resp: 512354

Ion Ratio Lower Upper

99 100

42 18.0 14.5 21.7

71 33.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.164 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF106344.D

Acq: 12 Jun 2018 15:07

Tgt Ion: 70 Resp: 43096

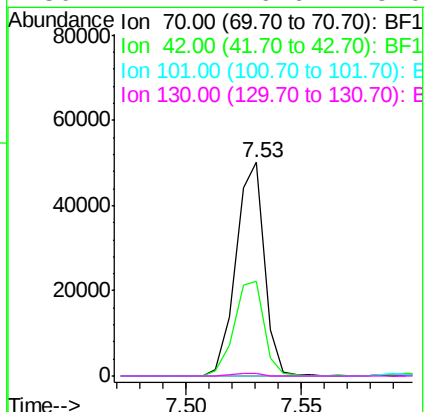
Ion Ratio Lower Upper

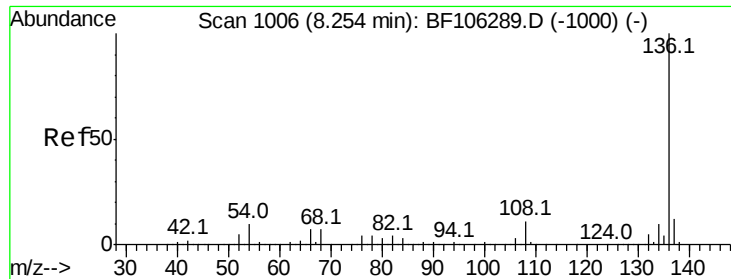
70 100

42 44.1 47.5 71.3#

101 0.0 7.4 11.2#

130 1.4 16.6 25.0#

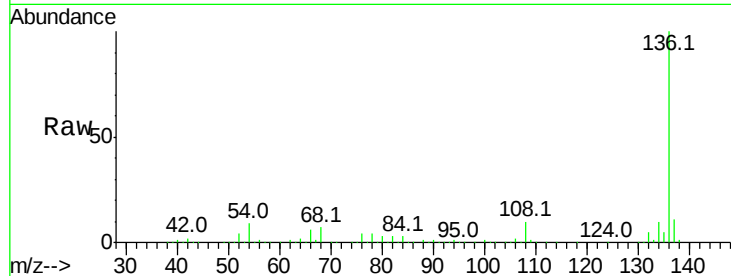




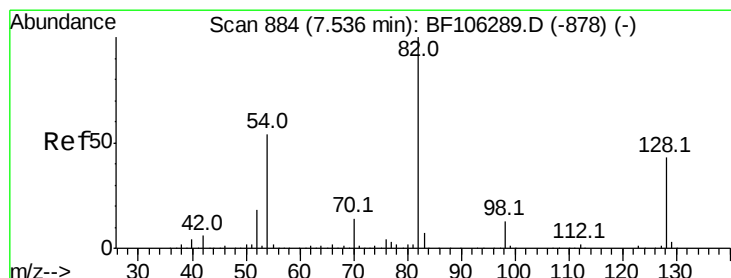
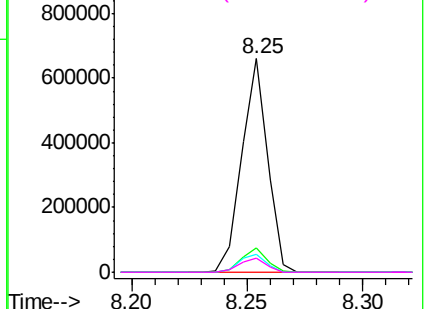
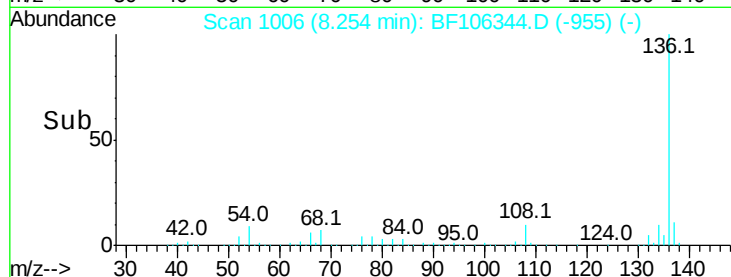
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1006
Delta R.T. 0.00 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	515341
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.9 13.3
54	8.6	6.6 9.8
68	6.8	5.0 7.4

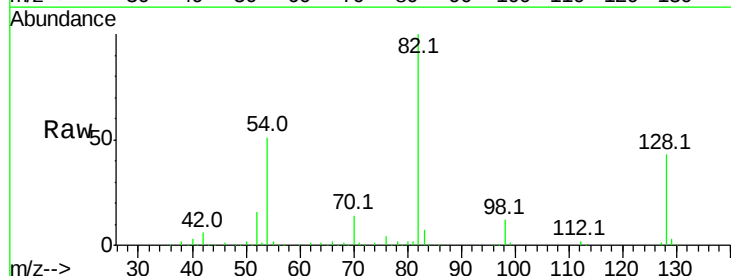


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

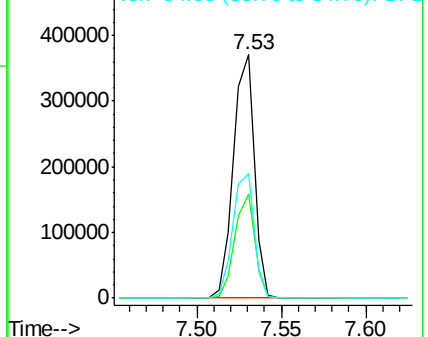
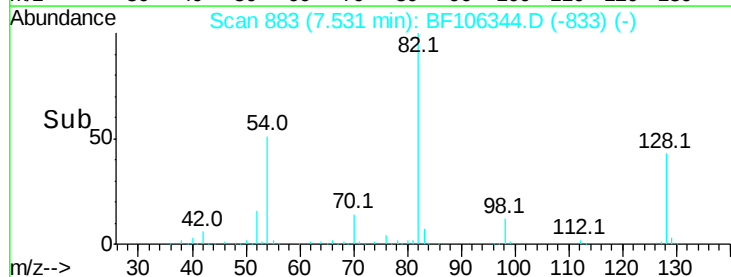


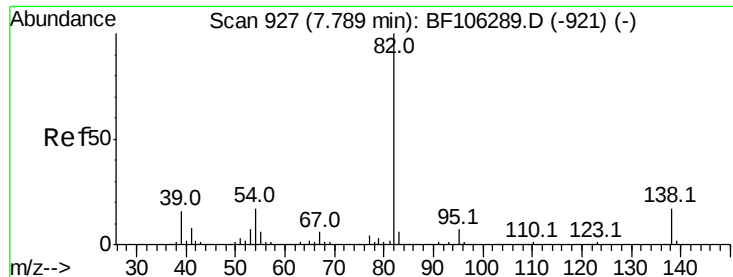
#23
Nitrobenzene-d5
Concen: 36.352 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

Tgt Ion: 82	Resp:	318445
Ion Ratio	Lower	Upper
82	100	
128	42.9	36.1 54.1
54	51.0	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: 18.611 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF106344.D

Acq: 12 Jun 2018 15:07

Instrument :

BNA_F

ClientSampled :

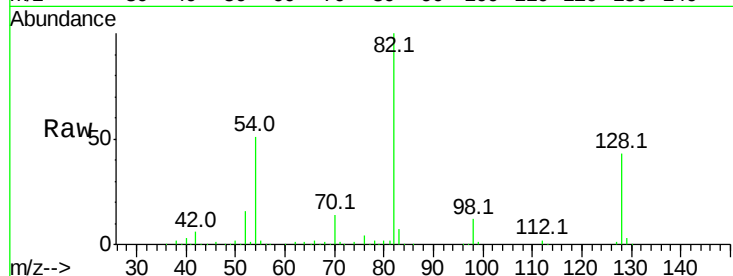
Tot Ion: 82 Resp: 318441

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

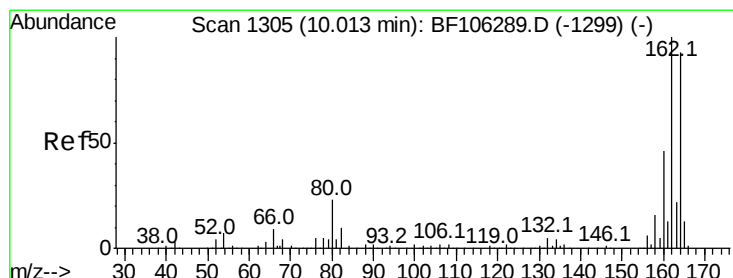
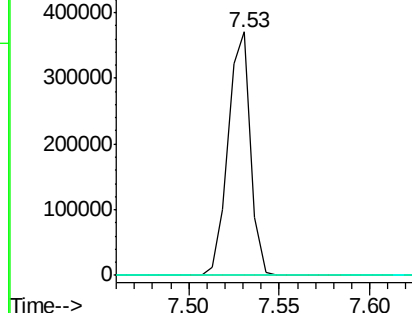
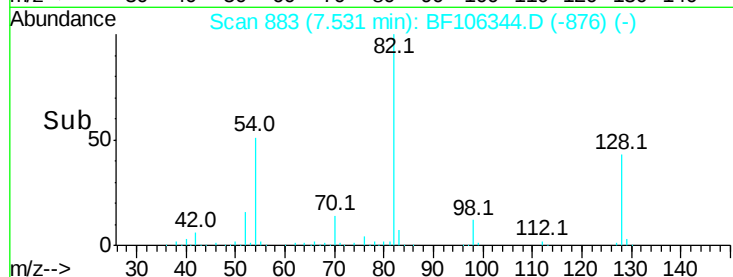
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF106344.D

Acq: 12 Jun 2018 15:07

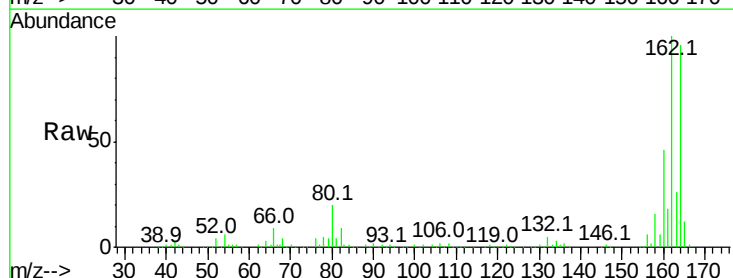
Tgt Ion:164 Resp: 201937

Ion Ratio Lower Upper

164 100

162 104.6 86.1 129.1

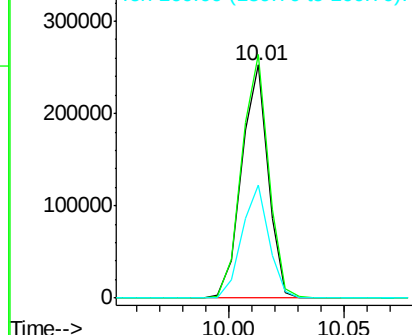
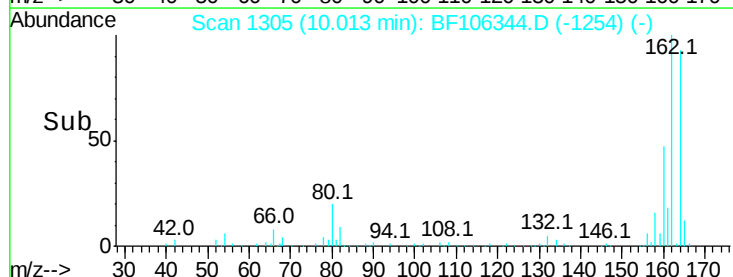
160 48.6 38.3 57.5

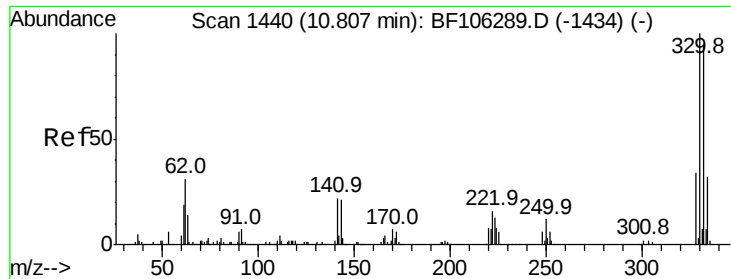


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

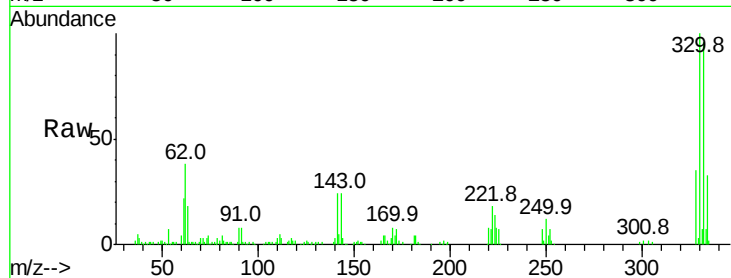




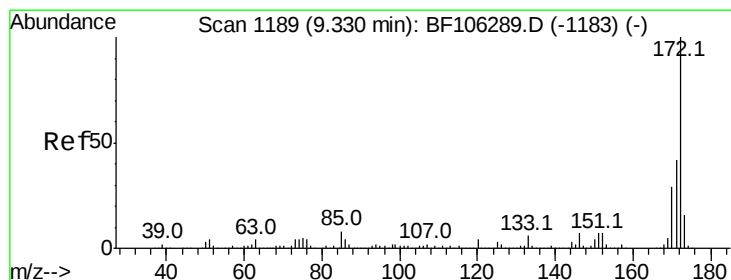
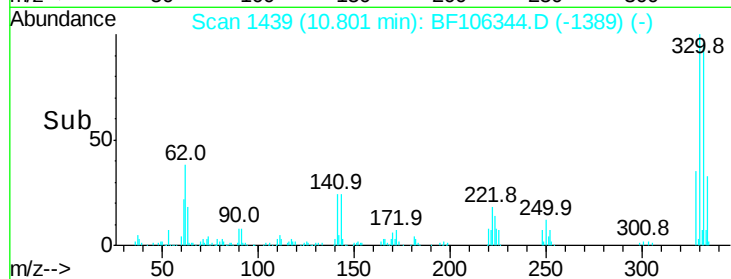
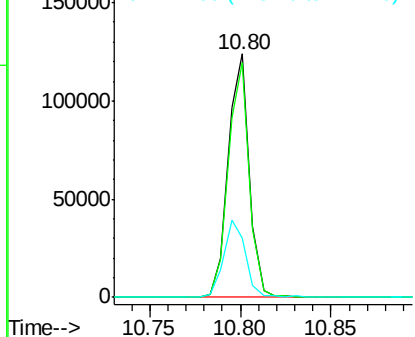
#41
 2,4,6-Tribromophenol
 Concen: 51.530 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF106344.D
 Acq: 12 Jun 2018 15:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	33.5	29.9	44.9

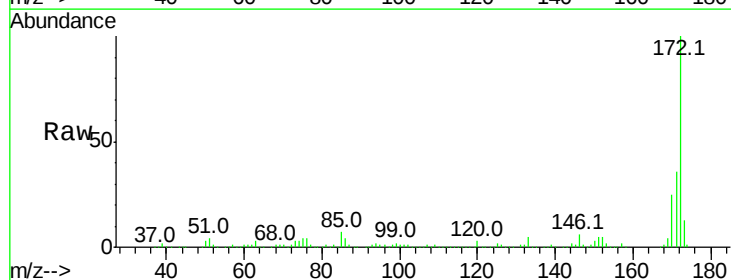


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

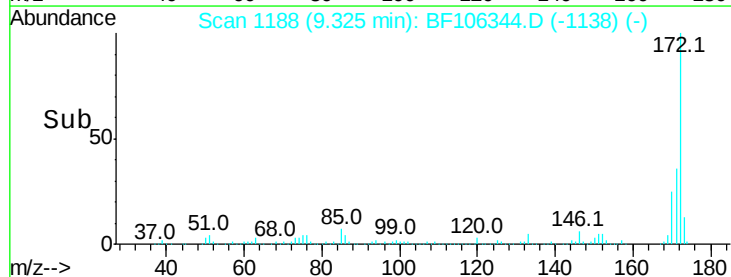
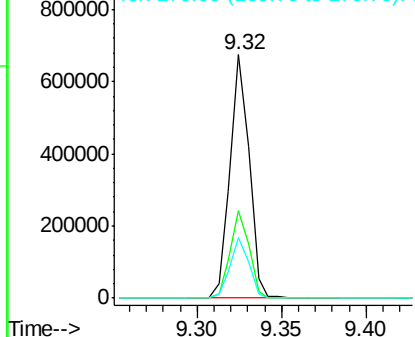


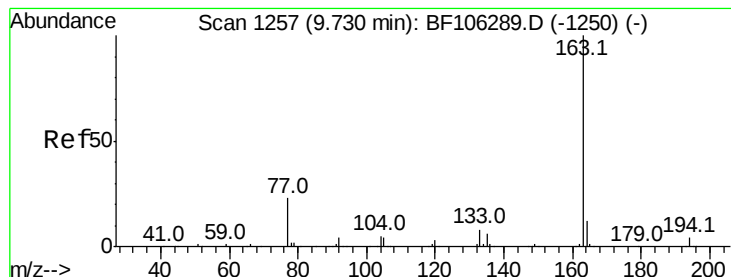
#44
 2-Fluorobiphenyl
 Concen: 37.259 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF106344.D
 Acq: 12 Jun 2018 15:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	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: 5.004 ng

RT: 9.72 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF106344.D

Acq: 12 Jun 2018 15:07

Instrument :

BNA_F

ClientSampleId :

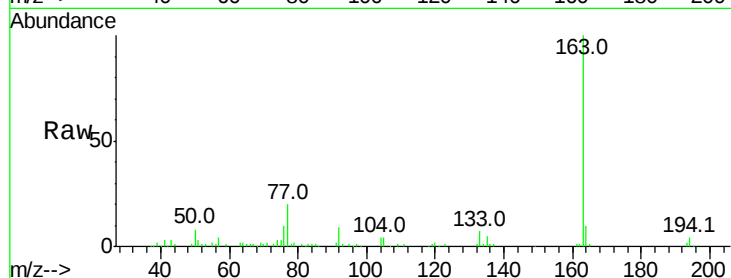
Tot Ion:163 Resp: 72193

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

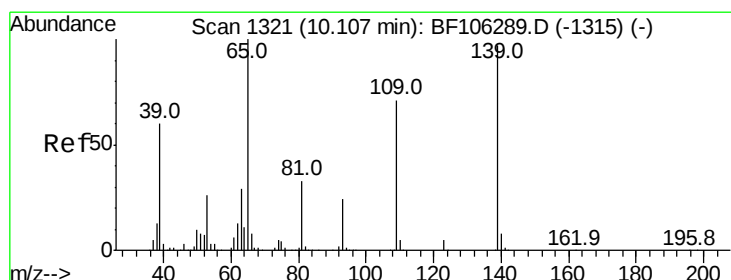
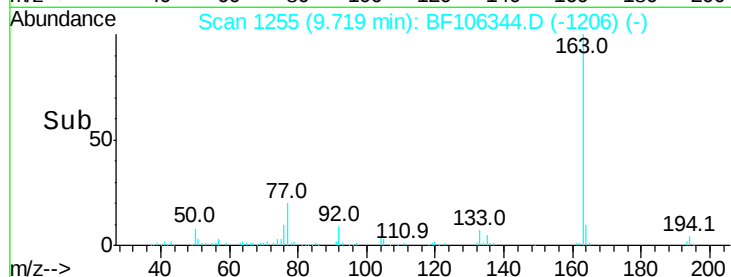
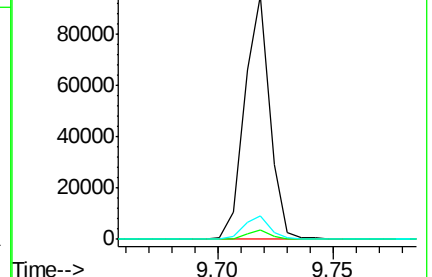
164 9.9 8.2 12.2



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



#55

4-Nitrophenol

Concen: 3.860 ng

RT: 10.21 min Scan# 1339

Delta R.T. 0.11 min

Lab File: BF106344.D

Acq: 12 Jun 2018 15:07

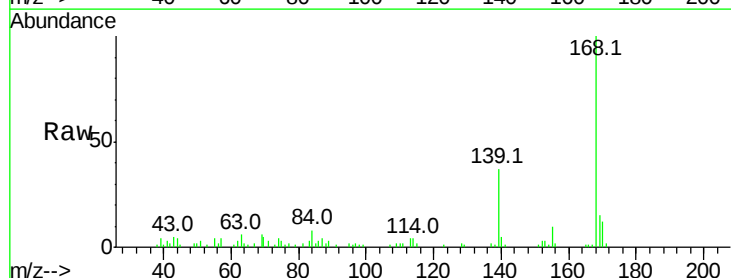
Tgt Ion:139 Resp: 10349

Ion Ratio Lower Upper

139 100

109 4.4 48.4 88.4#

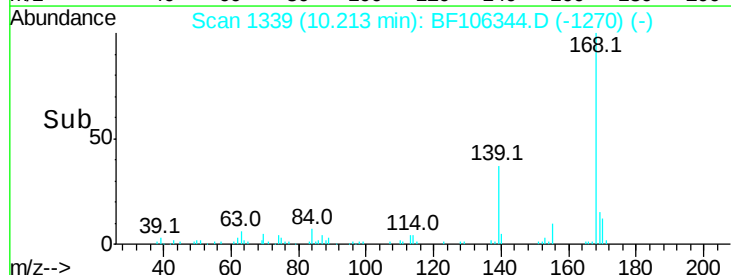
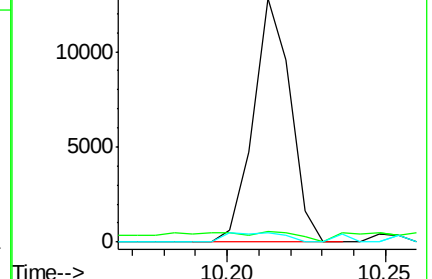
65 3.6 72.6 112.6#

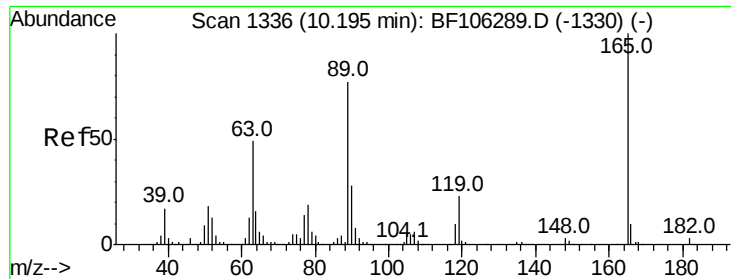


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

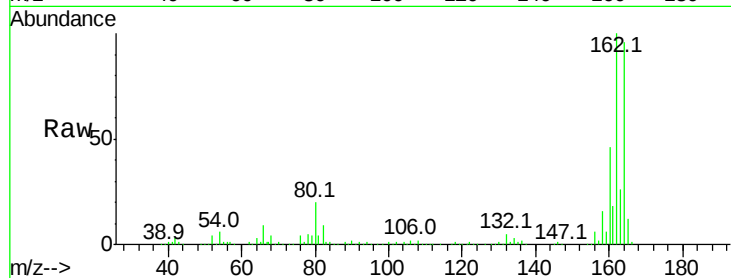




#56
2,4-Dinitrotoluene
Concen: 7.213 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.18 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	2.2	57.8	86.6#
182	0.0	1.6	2.4#

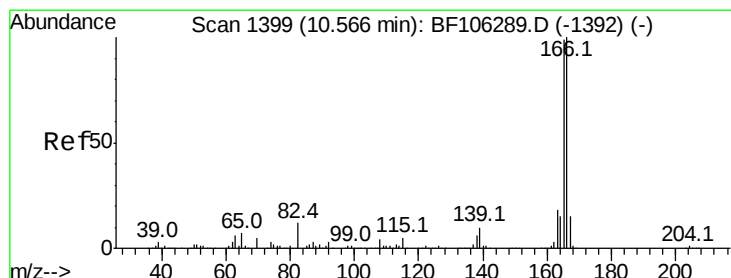
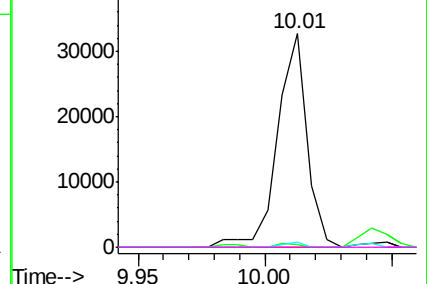
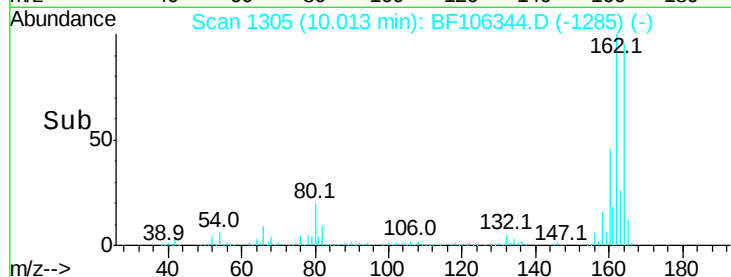


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

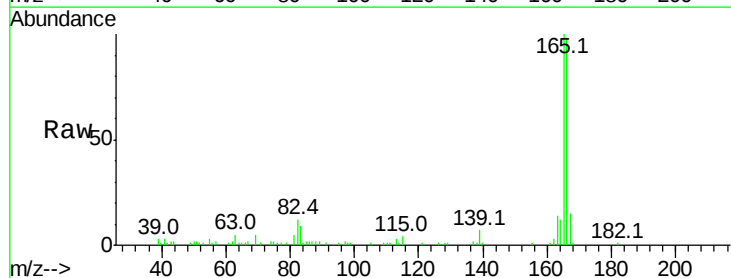
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: 3.342 ng
RT: 10.56 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

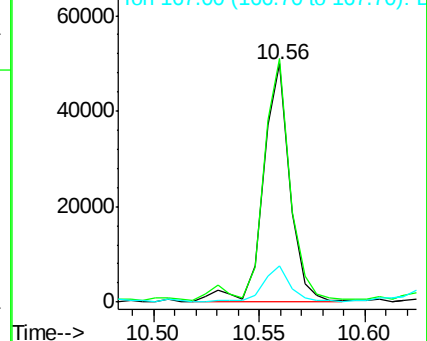
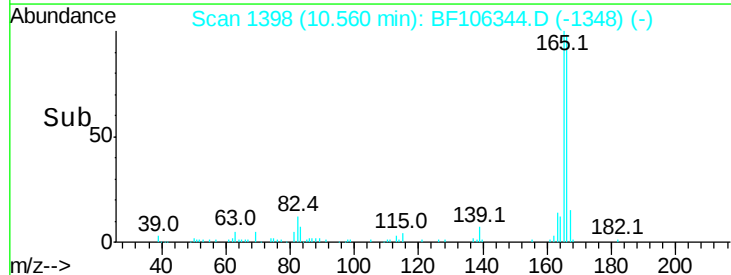
Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.3	79.8	119.8
167	15.2	10.6	16.0

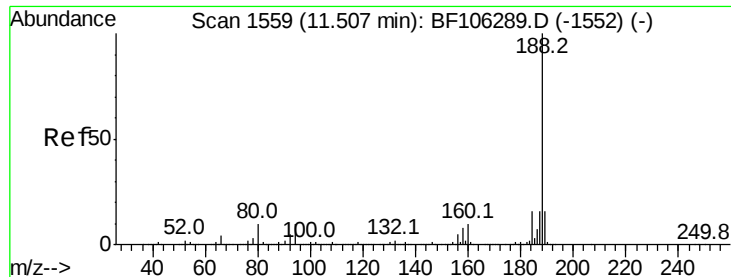


Abundance Ion 166.00 (165.70 to 166.70): E

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: 11.50 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF106344.D

Acq: 12 Jun 2018 15:07

Instrument :

BNA_F

ClientSampleId :

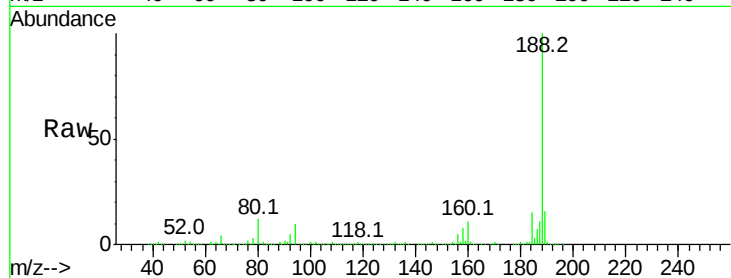
Tot Ion:188 Resp: 386290

Ion Ratio Lower Upper

188 100

94 10.2 8.5 12.7

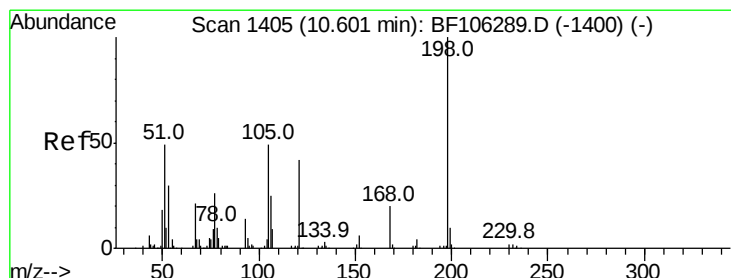
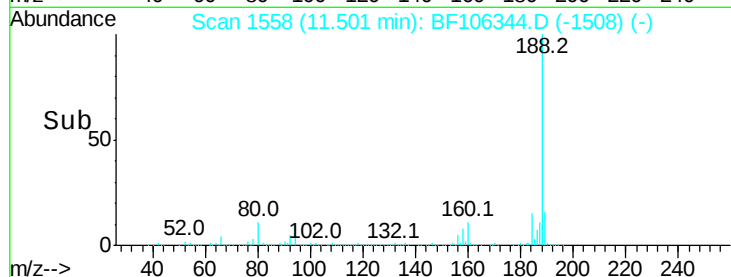
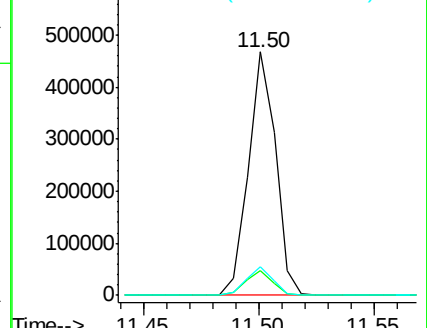
80 11.5 9.2 13.8



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



#64

4,6-Dinitro-2-methylphenol

Concen: 6.399 ng

RT: 10.80 min Scan# 1438

Delta R.T. 0.20 min

Lab File: BF106344.D

Acq: 12 Jun 2018 15:07

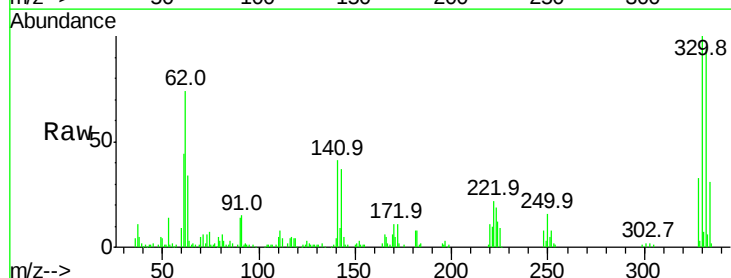
Tgt Ion:198 Resp: 249

Ion Ratio Lower Upper

198 100

51 264.8 37.7 77.7#

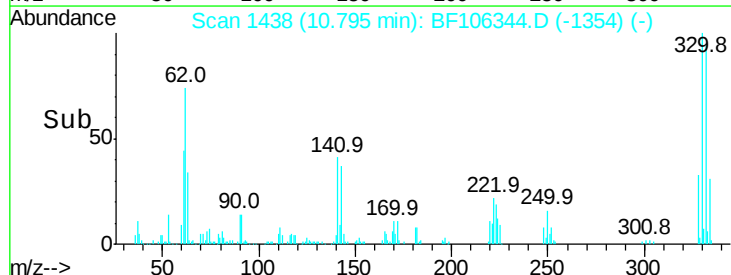
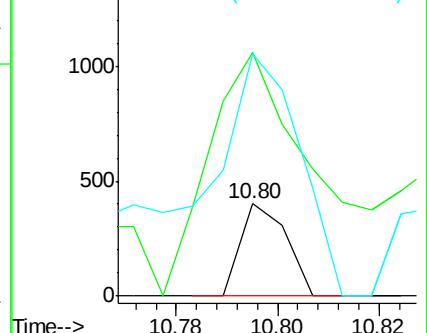
105 263.5 36.3 76.3#

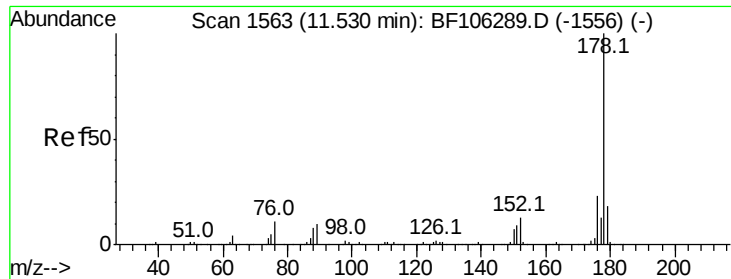


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

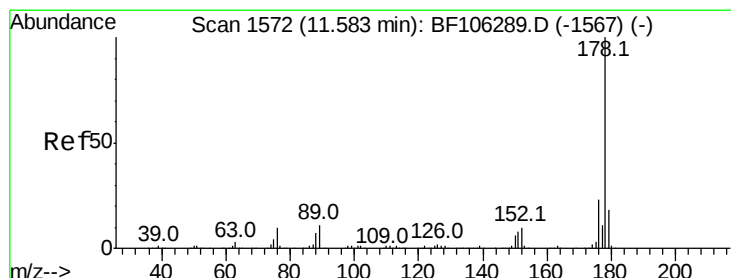
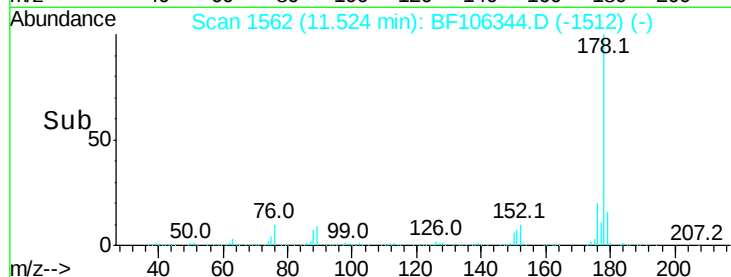
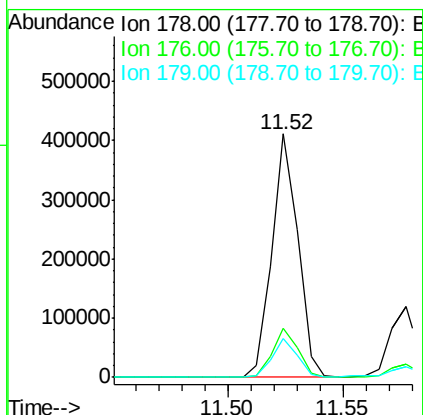
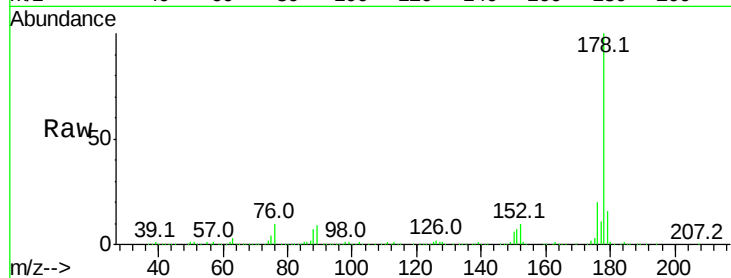




#70
Phenanthrene
Concen: 16.933 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

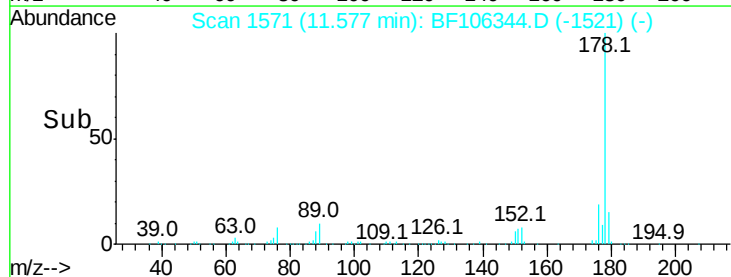
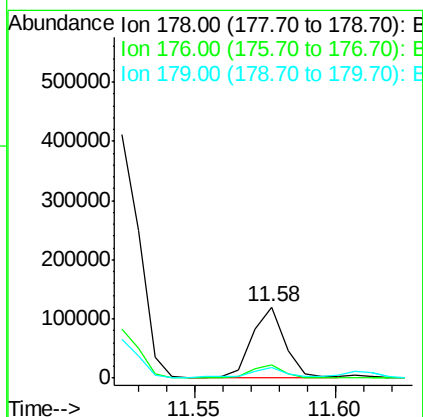
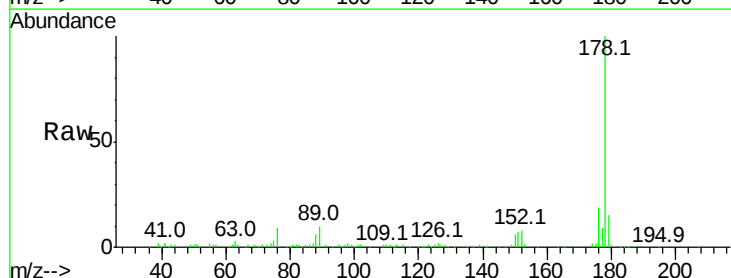
Instrument :
BNA_F
ClientSampled :

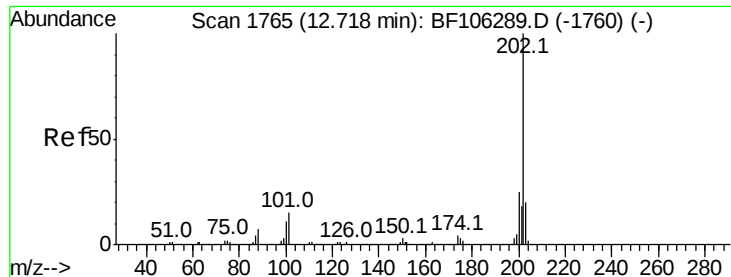
Tot Ion:178 Resp: 320337
Ion Ratio Lower Upper
178 100
176 20.3 15.8 23.8
179 15.8 13.0 19.6



#71
Anthracene
Concen: 4.969 ng
RT: 11.58 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

Tgt Ion:178 Resp: 94172
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 15.5 12.6 19.0





#74

Fluoranthene

Concen: 23.698 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF106344.D

Acq: 12 Jun 2018 15:07

Instrument :

BNA_F

ClientSampleId :

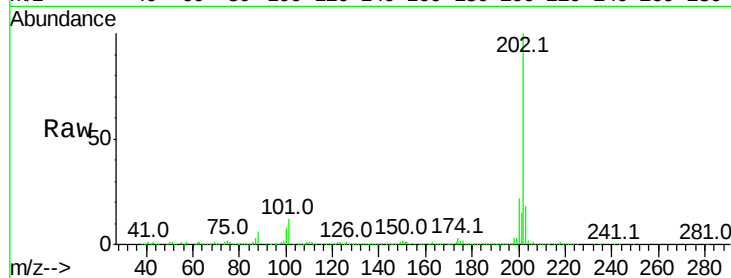
Tot Ion:202 Resp: 478108

Ion Ratio Lower Upper

202 100

101 11.5 0.0 34.1

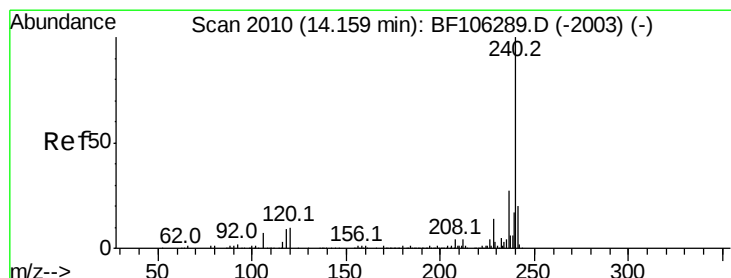
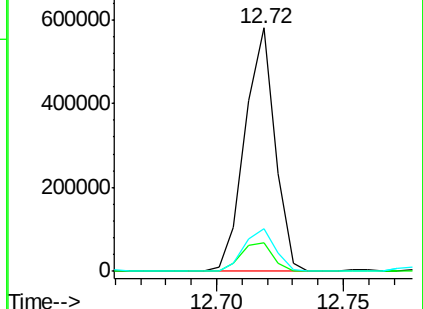
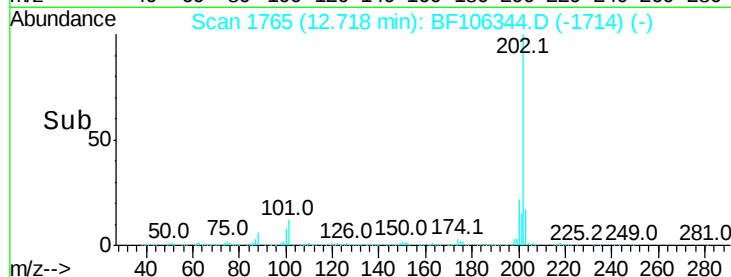
203 17.5 0.0 38.1



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: 14.16 min Scan# 2010

Delta R.T. 0.00 min

Lab File: BF106344.D

Acq: 12 Jun 2018 15:07

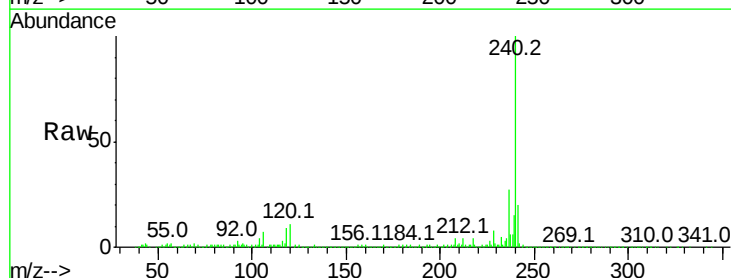
Tgt Ion:240 Resp: 482431

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

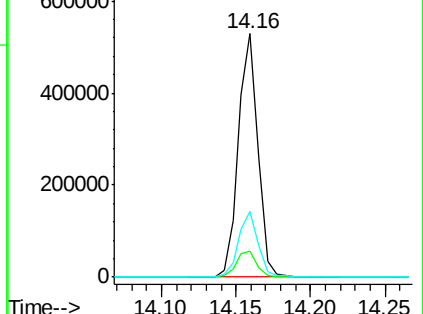
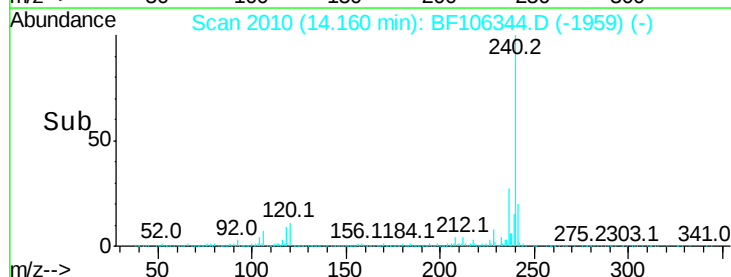
236 26.8 20.7 31.1

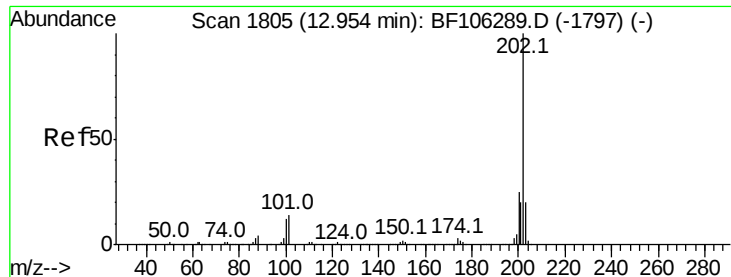


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

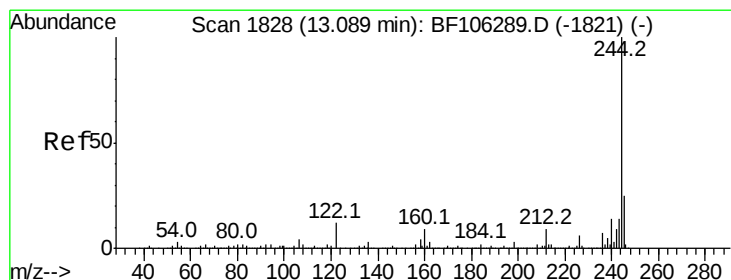
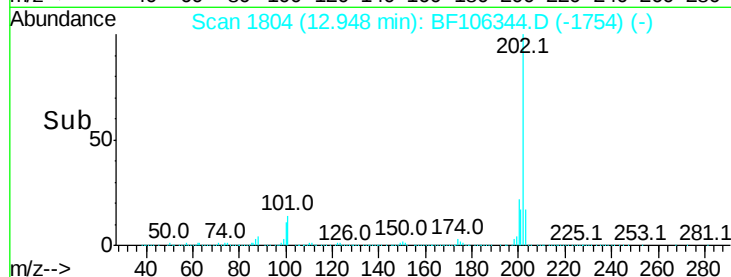
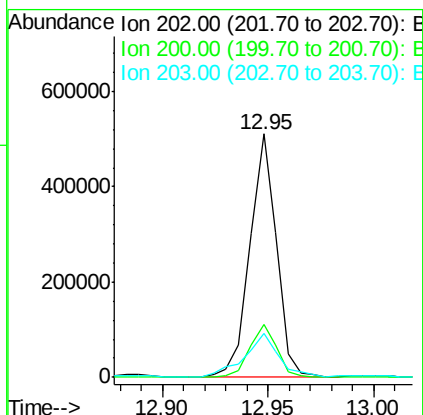
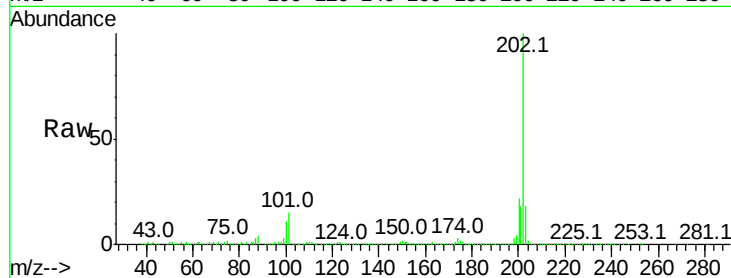




#77
Pvrene
Concen: 14.837 ng
RT: 12.95 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

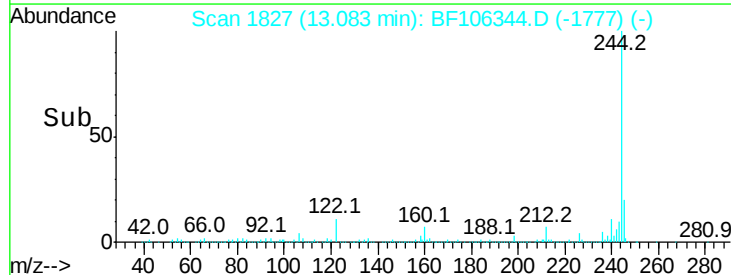
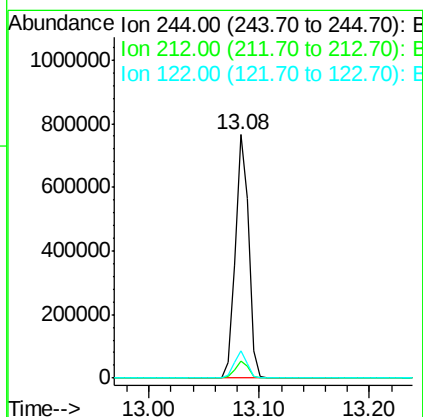
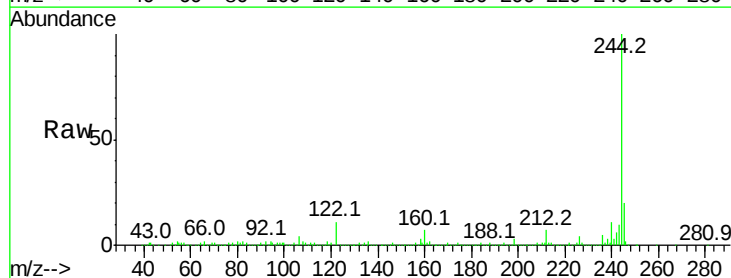
Instrument :
BNA_F
ClientSampleId :

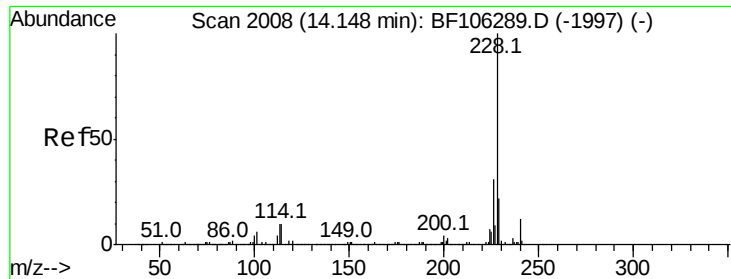
Tot Ion:202 Resp: 448122
Ion Ratio Lower Upper
202 100
200 21.8 17.4 26.2
203 18.1 14.3 21.5



#78
Terphenyl-d14
Concen: 33.545 ng
RT: 13.08 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

Tgt Ion:244 Resp: 651561
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.0
122 11.3 11.0 16.4

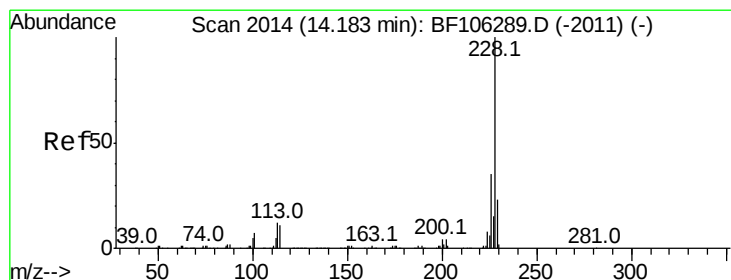
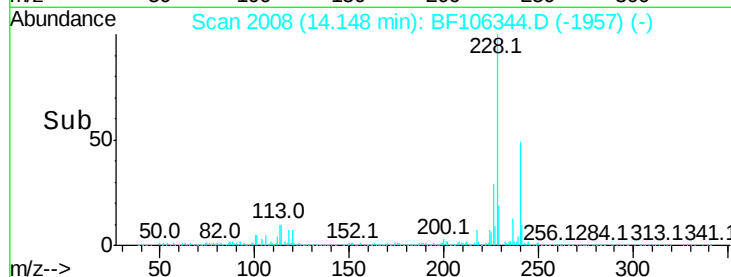
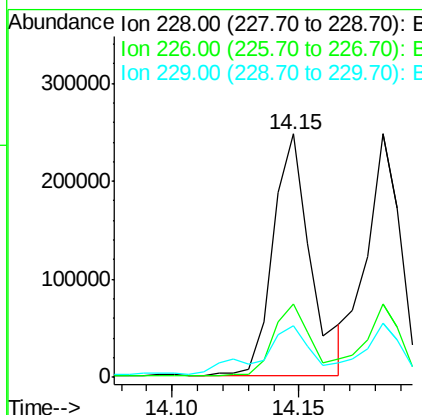
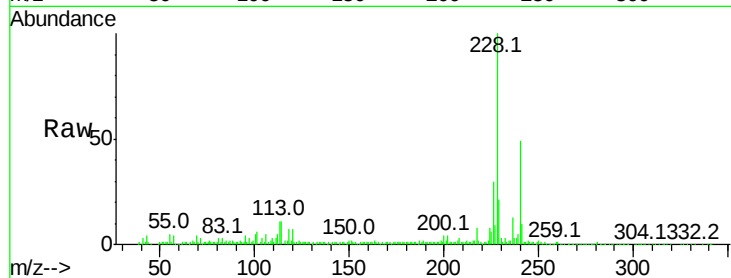




#80
Benzo(a)anthracene
Concen: 8.908 ng
RT: 14.15 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

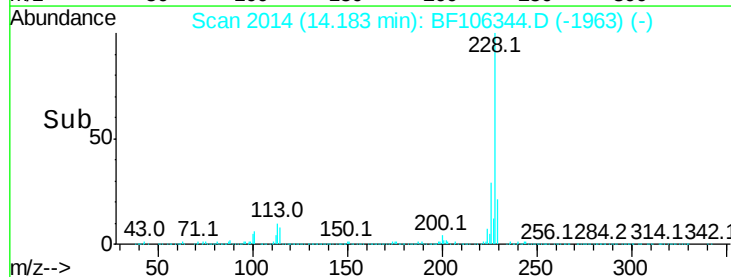
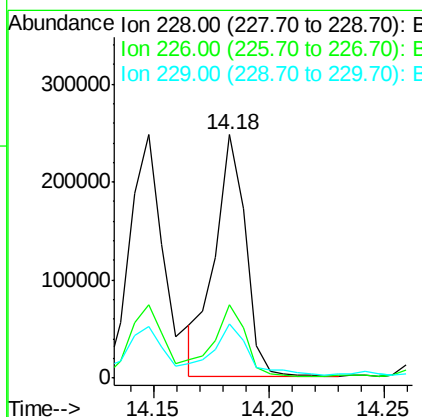
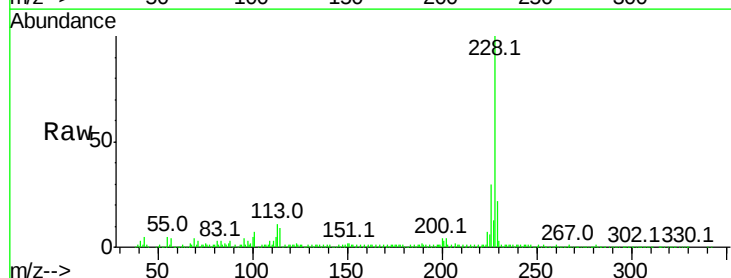
Instrument :
BNA_F
ClientSampleId :

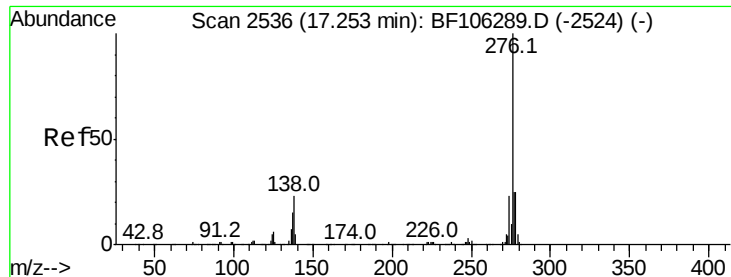
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.6	33.8
229	21.1	15.8	23.6



#82
Chrysene
Concen: 8.675 ng
RT: 14.18 min Scan# 2014
Delta R.T. 0.00 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	22.4	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.860 ng

RT: 17.27 min Scan# 2539

Delta R.T. 0.02 min

Lab File: BF106344.D

Acq: 12 Jun 2018 15:07

Instrument :

BNA_F

ClientSampleId :

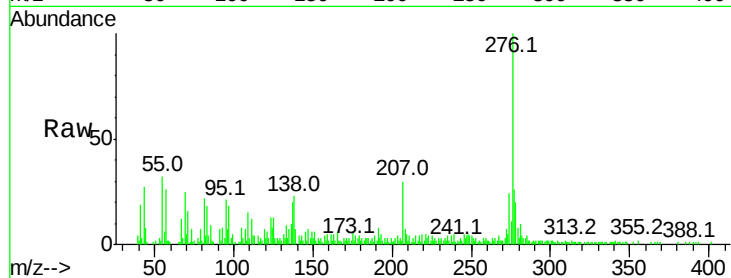
Tot Ion:276 Resp: 80738

Ion Ratio Lower Upper

276 100

138 23.8 25.0 37.6#

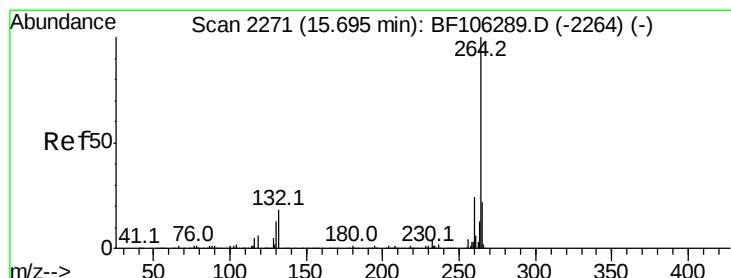
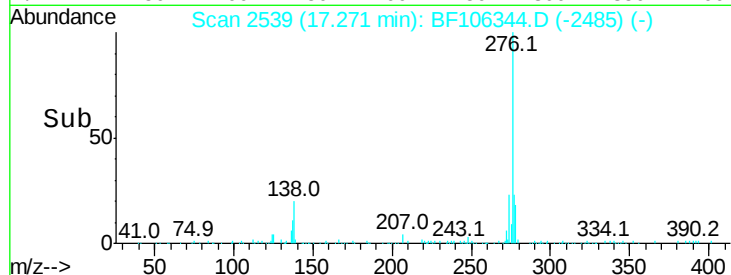
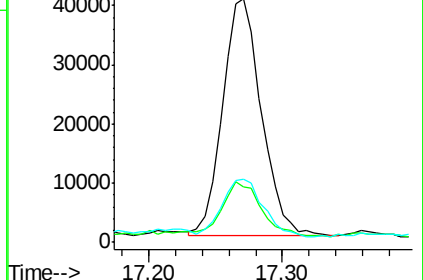
277 25.6 20.1 30.1



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

Perylene-d12

Concen: 20.000 ng

RT: 15.71 min Scan# 2273

Delta R.T. 0.01 min

Lab File: BF106344.D

Acq: 12 Jun 2018 15:07

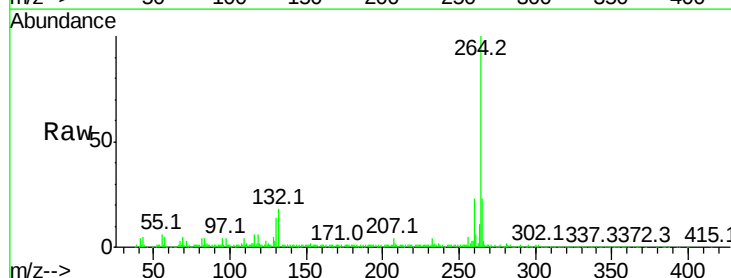
Tgt Ion:264 Resp: 394312

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

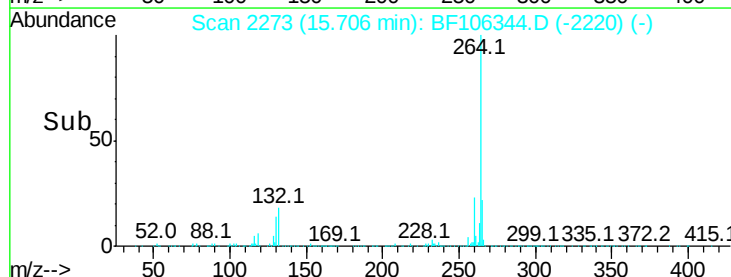
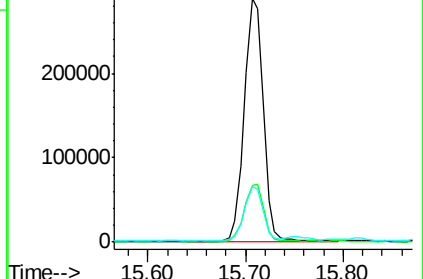
265 22.9 17.5 26.3

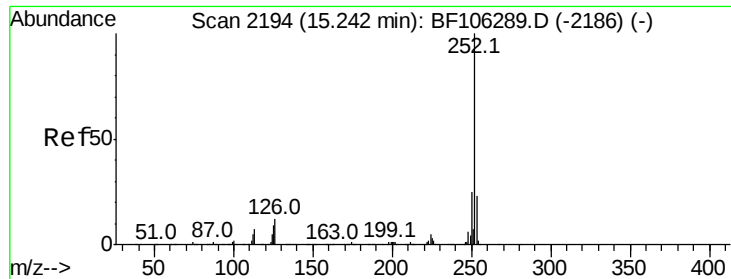


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 14.165 ng

RT: 15.25 min Scan# 2195

Delta R.T. 0.01 min

Lab File: BF106344.D

Acq: 12 Jun 2018 15:07

Instrument :

BNA_F

ClientSampleId :

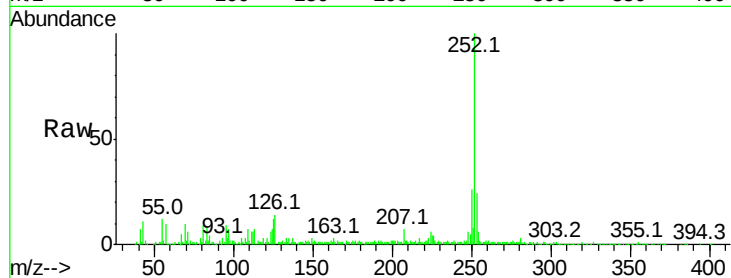
Tot Ion:252 Resp: 337628

Ion Ratio Lower Upper

252 100

253 23.8 17.0 25.6

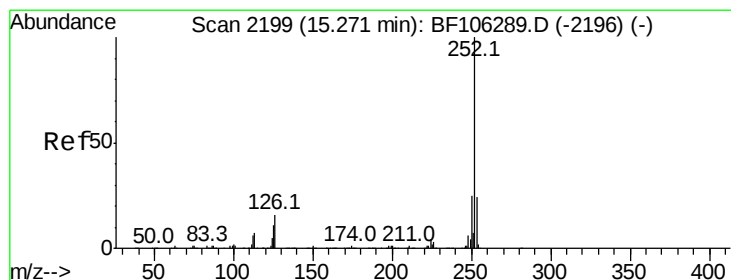
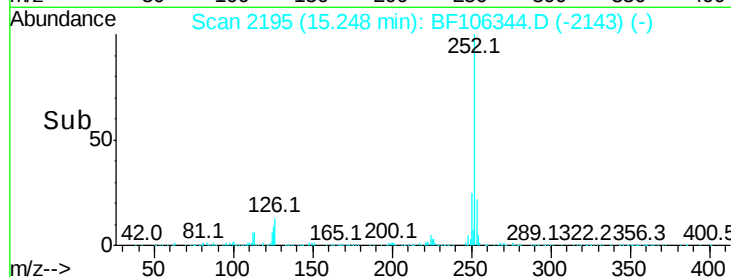
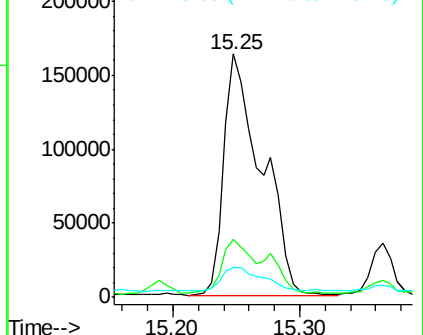
125 12.0 9.0 13.6



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: 14.303 ng

RT: 15.25 min Scan# 2195

Delta R.T. -0.02 min

Lab File: BF106344.D

Acq: 12 Jun 2018 15:07

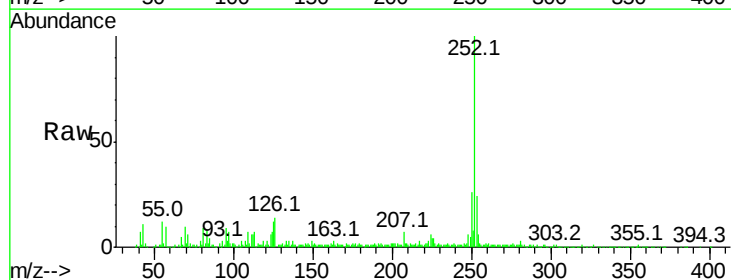
Tgt Ion:252 Resp: 337628

Ion Ratio Lower Upper

252 100

253 23.8 17.9 26.9

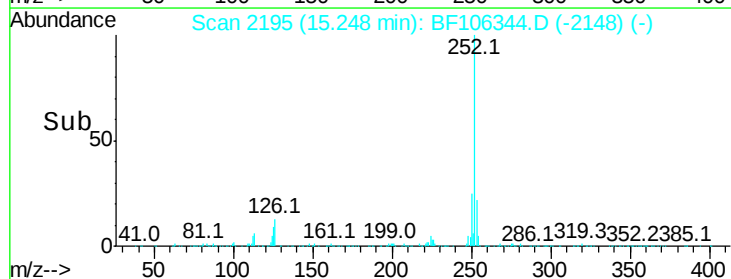
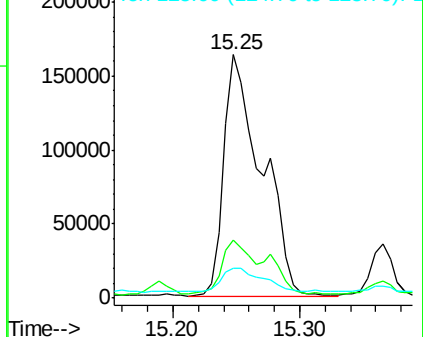
125 12.0 10.2 15.2

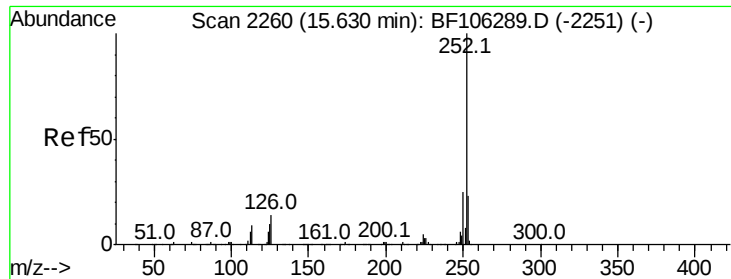


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

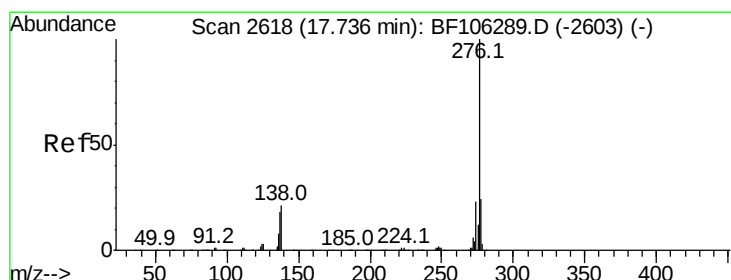
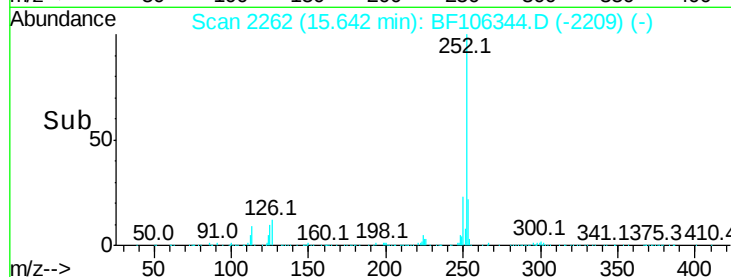
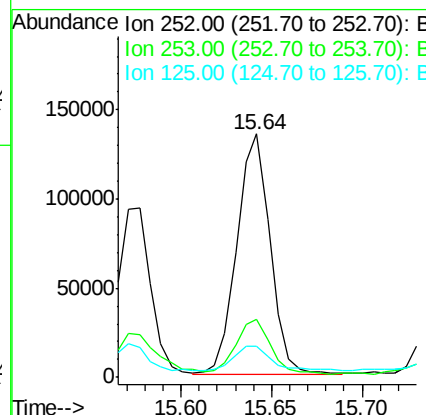
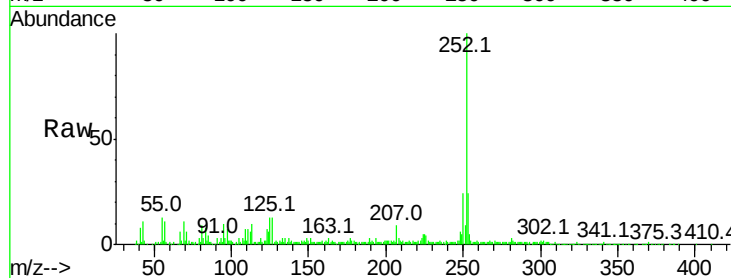




#89
Benzo(a)pyrene
Concen: 8.055 ng
RT: 15.64 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 172689
Ion Ratio Lower Upper
252 100
253 24.0 17.1 25.7
125 12.8 9.8 14.6



#91
Benzo(g,h,i)perylene
Concen: 4.622 ng
RT: 17.75 min Scan# 2620
Delta R.T. 0.01 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

Tgt Ion:276 Resp: 80290
Ion Ratio Lower Upper
276 100
277 26.9 17.9 26.9#
138 23.9 21.8 32.8

