

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
 Data File : BF106686.D
 Acq On : 22 Jun 2018 2:41
 Operator : JU/SJ
 Sample : J3603-09 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 03:27:13 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 19 14:32:09 2018
 Response via : Initial Calibration

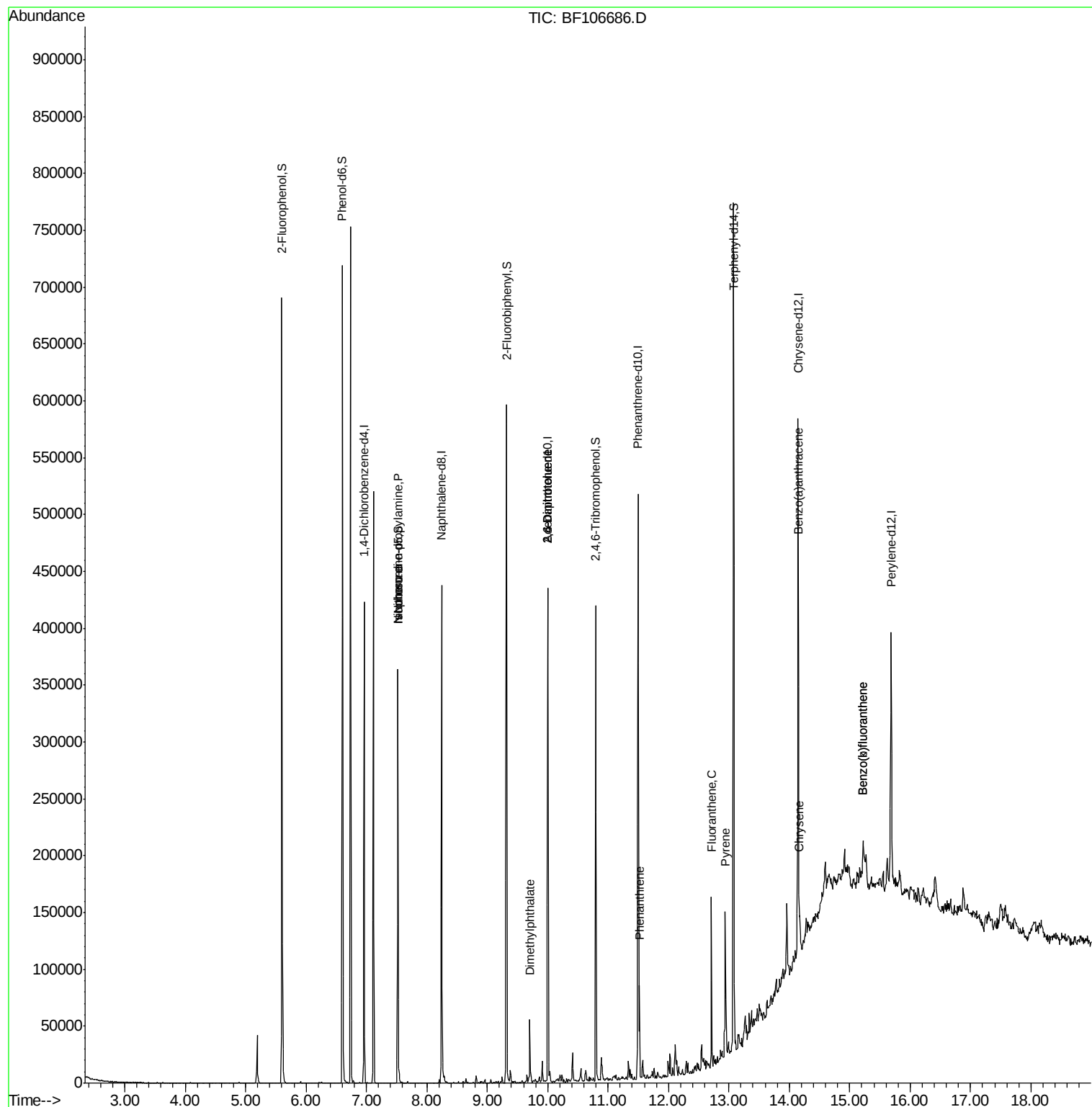
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	56455	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	201899	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	90737	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	182422	20.00	ng	0.00
75) Chrysene-d12	14.15	240	153583	20.00	ng	0.00
86) Perylene-d12	15.69	264	113417	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	182781	54.82	ng	0.00
7) Phenol-d6	6.60	99	220312	52.92	ng	0.00
23) Nitrobenzene-d5	7.52	82	123217	33.92	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	51267	48.75	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	206490	28.76	ng	0.00
78) Terphenyl-d14	13.08	244	241936	38.16	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.52	70	15725	5.730	ng	# 75
25) Isophorone	7.52	82	123216	19.247	ng	# 64
49) Dimethylphthalate	9.71	163	20515	3.015	ng	96
50) 2,6-Dinitrotoluene	10.00	165	11669	8.097	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	11669	6.204	ng	# 21
70) Phenanthrene	11.52	178	28010	3.183	ng	98
74) Fluoranthene	12.71	202	53414	5.508	ng	94
77) Pyrene	12.94	202	52262	5.160	ng	99
80) Benzo(a)anthracene	14.14	228	21142	2.259	ng	94
82) Chrysene	14.17	228	18806	2.184	ng	95
87) Benzo(b)fluoranthene	15.22	252	21649	3.073	ng	# 82
88) Benzo(k)fluoranthene	15.22	252	21649	3.227	ng	# 85

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

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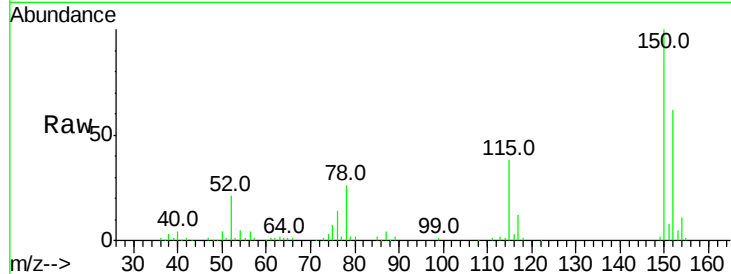


#1

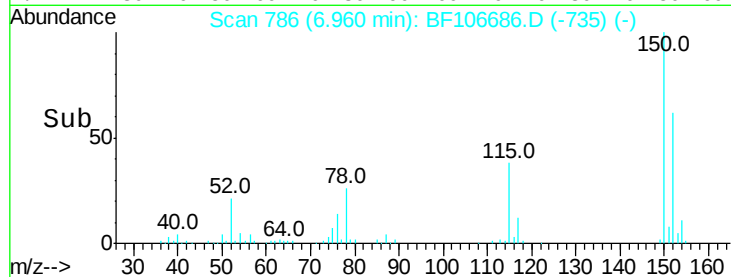
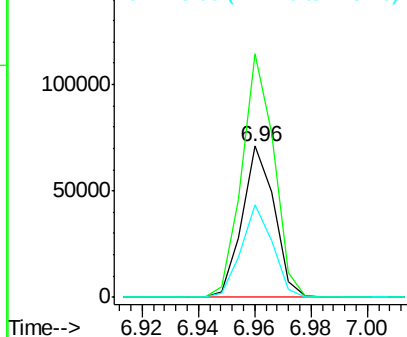
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106686.D
Acq: 22 Jun 2018 2:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 56455
Ion Ratio Lower Upper
152 100
150 160.9 124.6 186.8
115 61.2 50.1 75.1



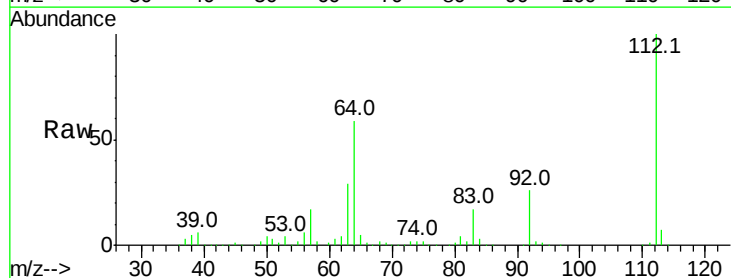
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



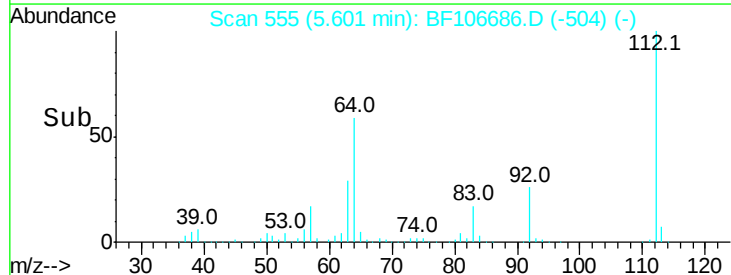
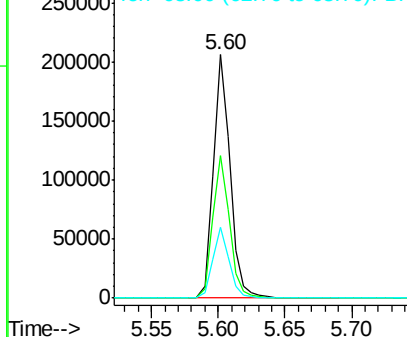
#5

2-Fluorophenol
Concen: 54.824 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF106686.D
Acq: 22 Jun 2018 2:41

Tgt Ion:112 Resp: 182781
Ion Ratio Lower Upper
112 100
64 58.7 47.9 71.9
63 29.0 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: 52.915 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106686.D

Acq: 22 Jun 2018 2:41

Instrument :

BNA_F

ClientSampleId :

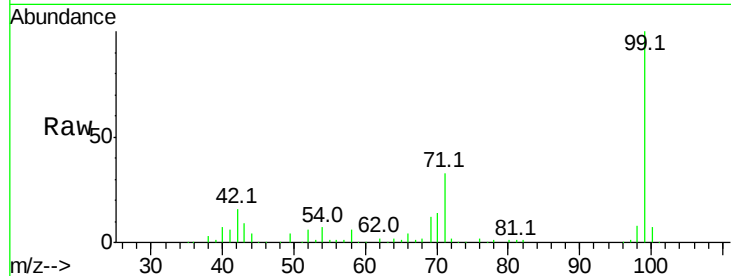
Tot Ion: 99 Resp: 220312

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

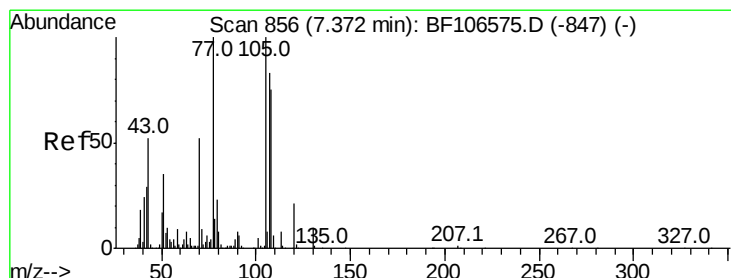
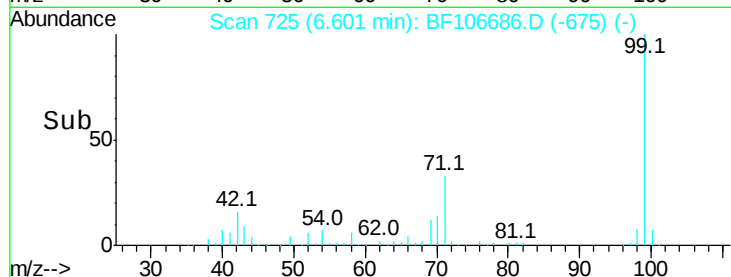
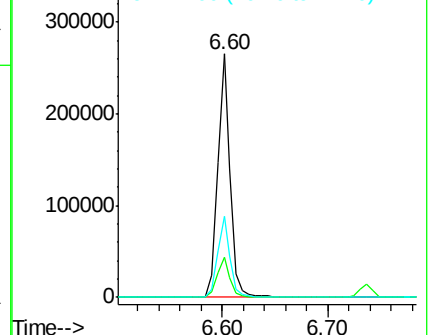
71 33.4 25.4 38.0



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: 5.730 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.15 min

Lab File: BF106686.D

Acq: 22 Jun 2018 2:41

Tgt Ion: 70 Resp: 15725

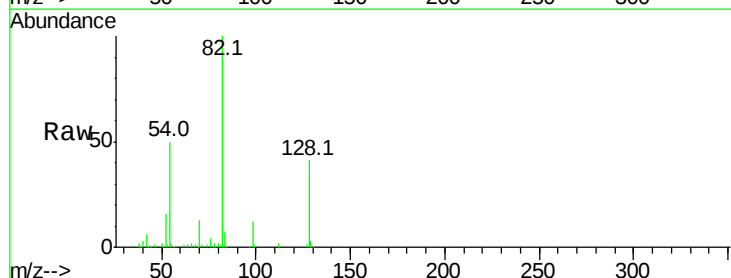
Ion Ratio Lower Upper

70 100

42 44.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

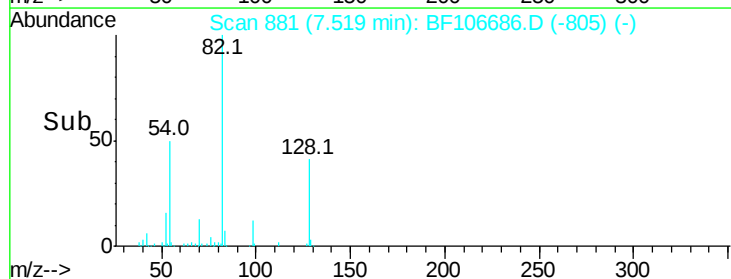
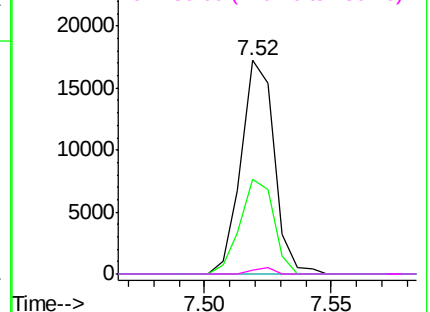


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

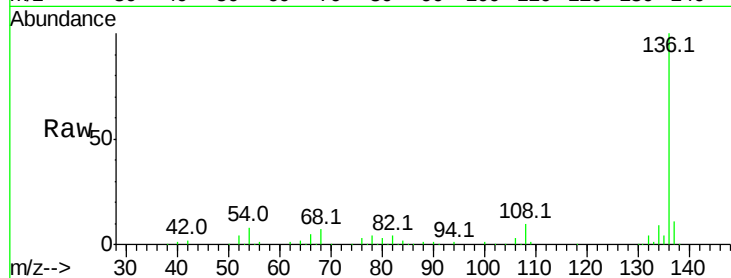




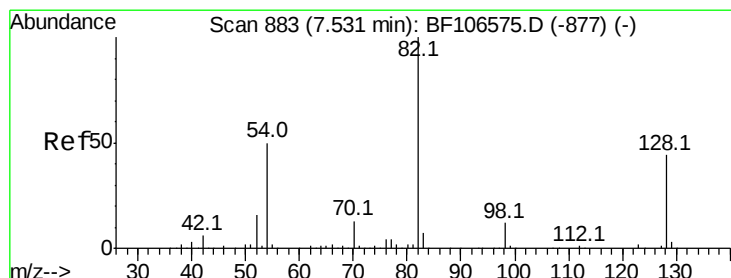
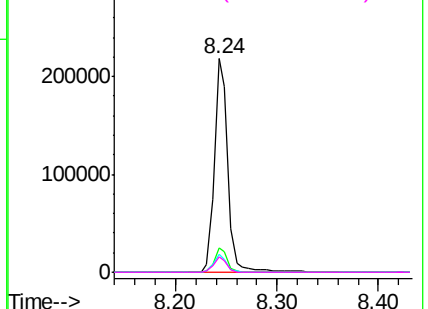
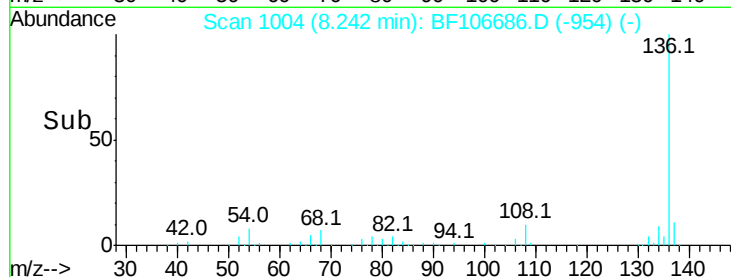
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF106686.D
Acq: 22 Jun 2018 2:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	201899
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.4	6.6	9.8
68	7.0	5.0	7.4

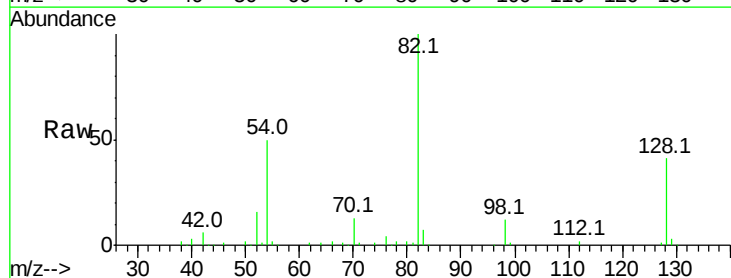


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

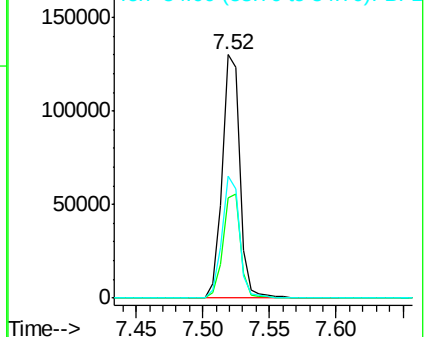
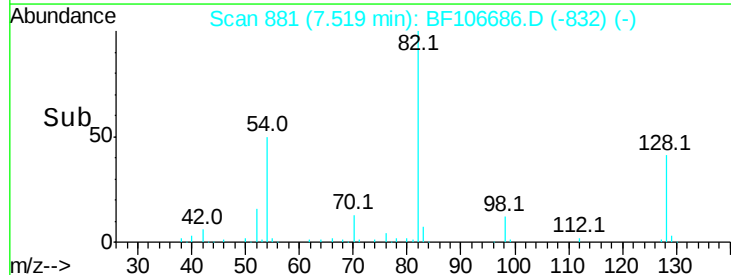


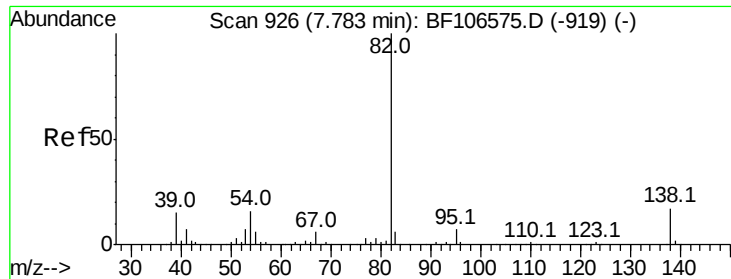
#23
Nitrobenzene-d5
Concen: 33.916 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF106686.D
Acq: 22 Jun 2018 2:41

Tgt Ion:	82	Resp:	123217
Ion	Ratio	Lower	Upper
82	100		
128	40.9	36.1	54.1
54	50.0	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: 19.247 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.26 min

Lab File: BF106686.D

Acq: 22 Jun 2018 2:41

Instrument :

BNA_F

ClientSampleId :

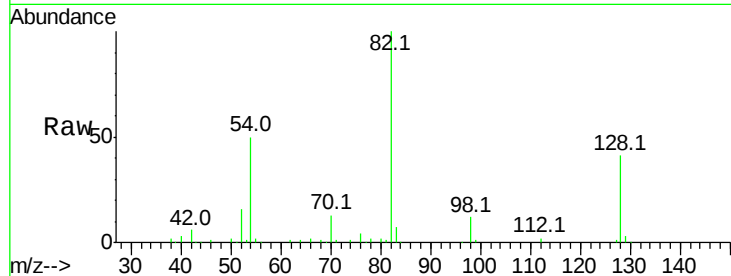
Tot Ion: 82 Resp: 123216

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

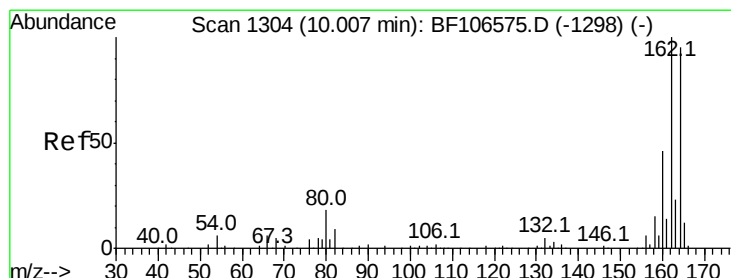
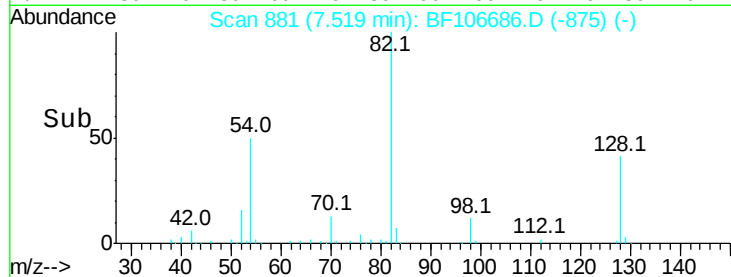
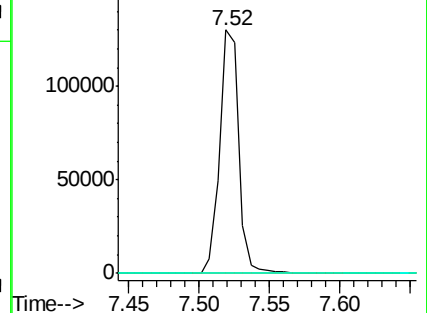
138 0.0 14.9 22.3#



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: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF106686.D

Acq: 22 Jun 2018 2:41

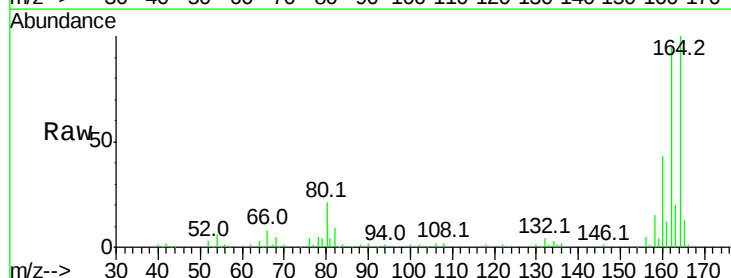
Tgt Ion:164 Resp: 90737

Ion Ratio Lower Upper

164 100

162 94.8 86.1 129.1

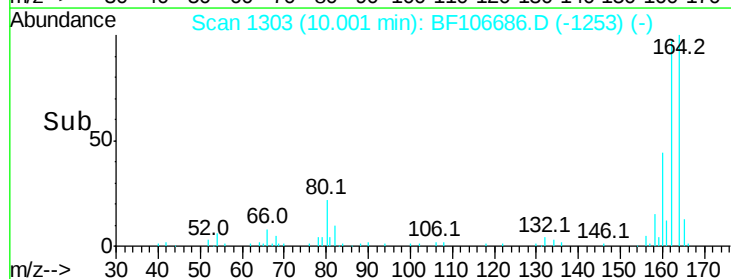
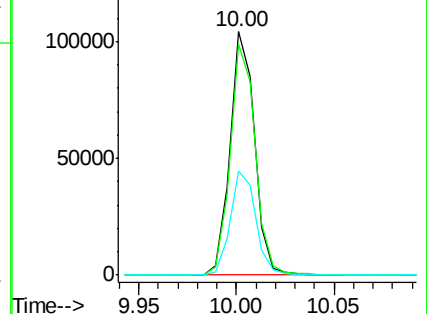
160 42.6 38.3 57.5



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

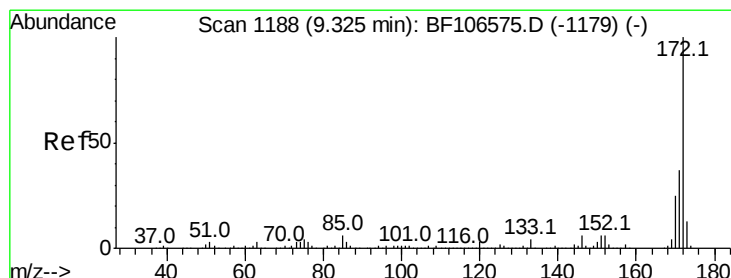
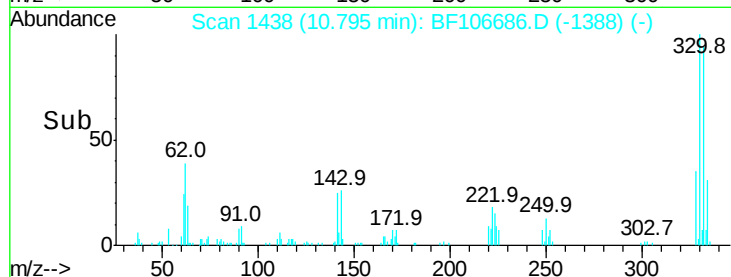
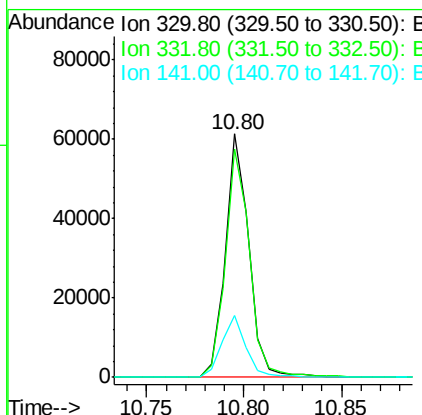
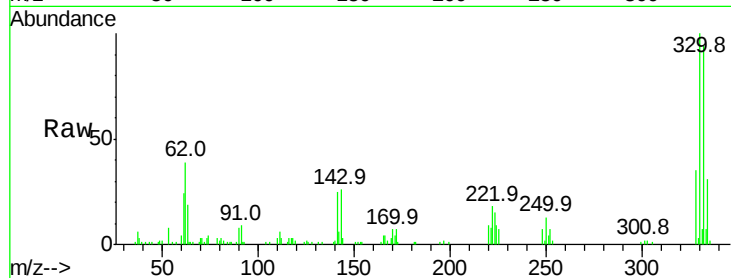




#41
 2,4,6-Tribromophenol
 Concen: 48.748 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106686.D
 Acq: 22 Jun 2018 2:41

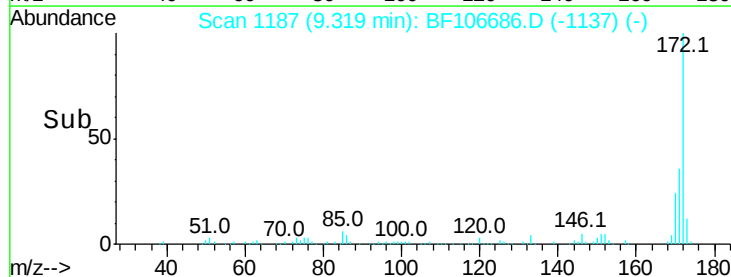
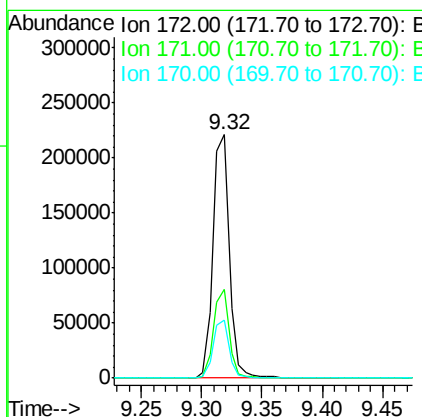
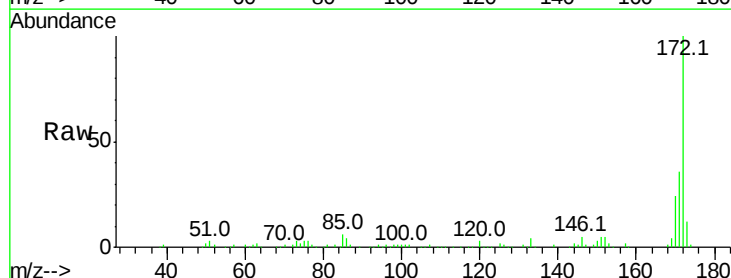
Instrument :
 BNA_F
 ClientSampleId :

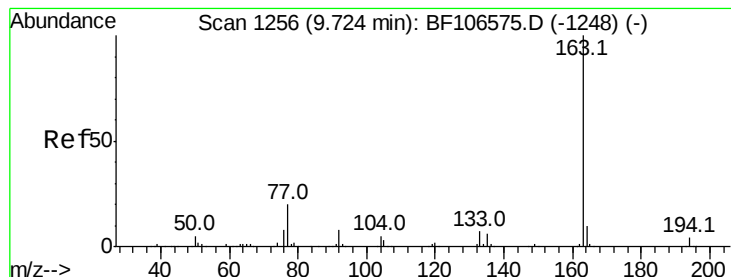
Tot Ion:330 Resp: 51267
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 25.9 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 28.759 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106686.D
 Acq: 22 Jun 2018 2:41

Tgt Ion:172 Resp: 206490
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.7 44.5
 170 23.7 19.6 29.4





#49

Dimethylphthalate

Concen: 3.015 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF106686.D

Acq: 22 Jun 2018 2:41

Instrument :

BNA_F

ClientSampleId :

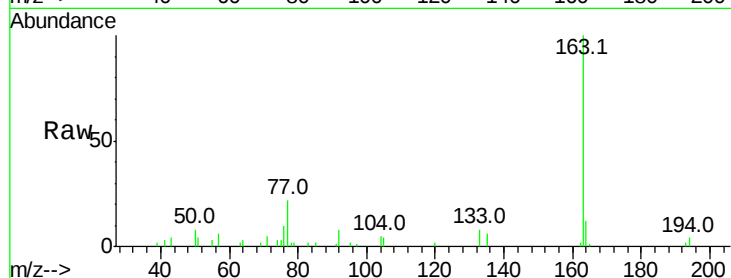
Tot Ion:163 Resp: 20515

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

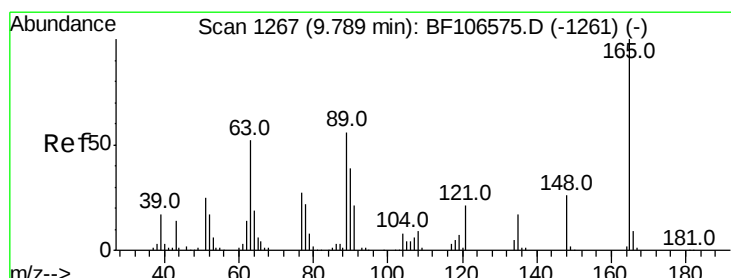
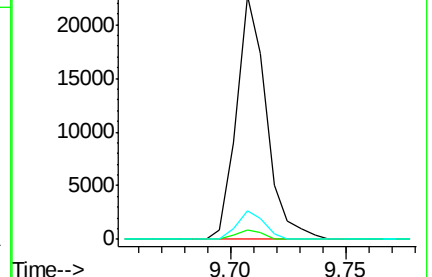
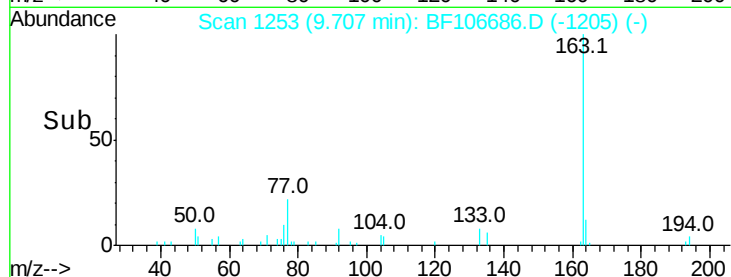
164 11.9 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 8.097 ng

RT: 10.00 min Scan# 1303

Delta R.T. 0.21 min

Lab File: BF106686.D

Acq: 22 Jun 2018 2:41

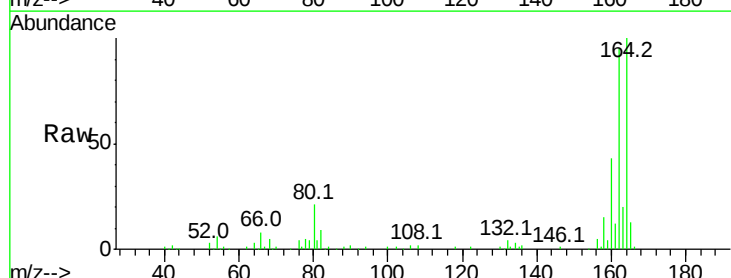
Tgt Ion:165 Resp: 11669

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

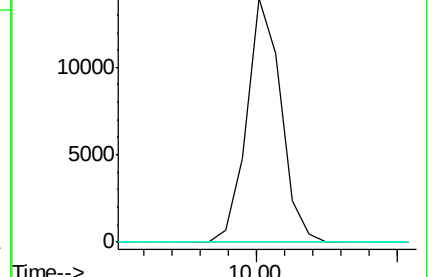
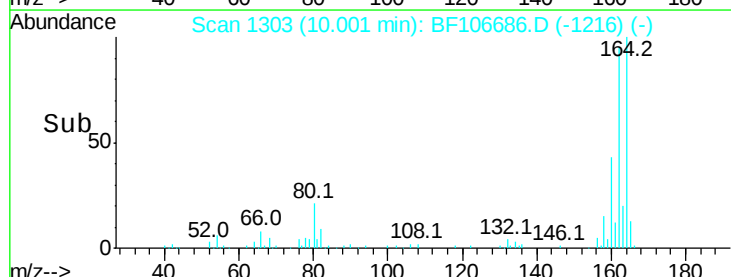
89 0.0 44.0 66.0#



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

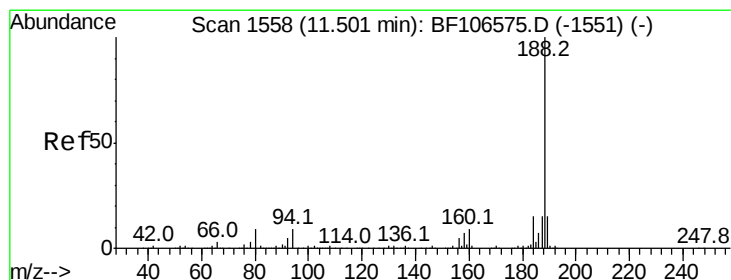
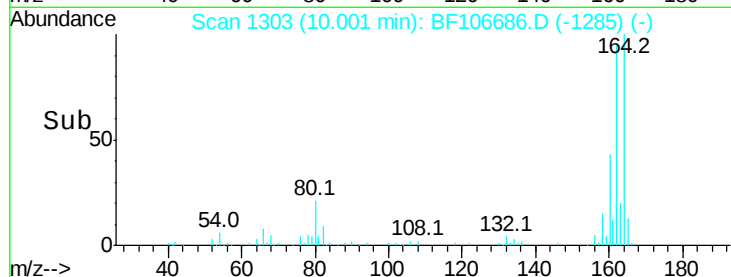
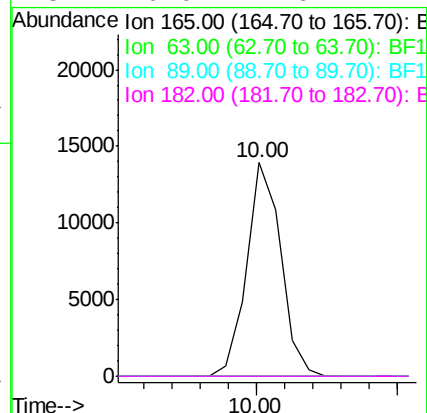
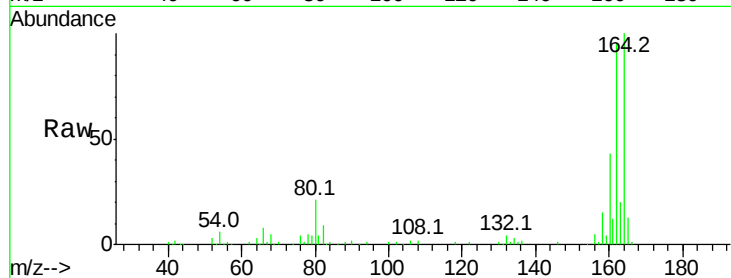




#56
2,4-Dinitrotoluene
Concen: 6.204 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.19 min
Lab File: BF106686.D
Acq: 22 Jun 2018 2:41

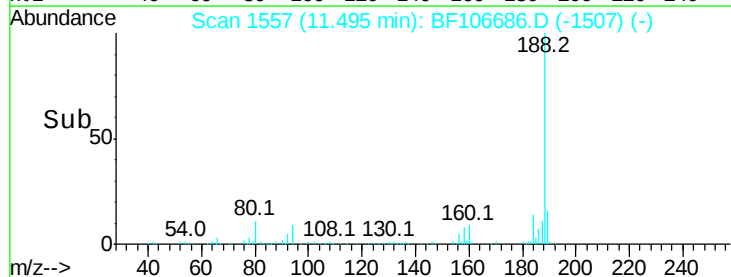
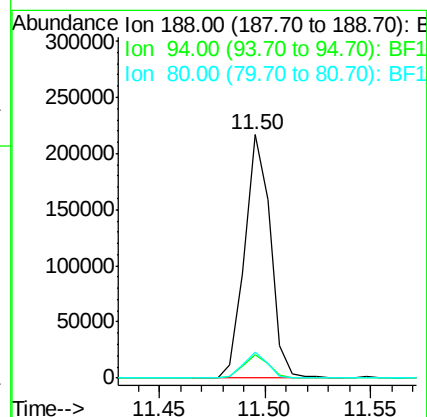
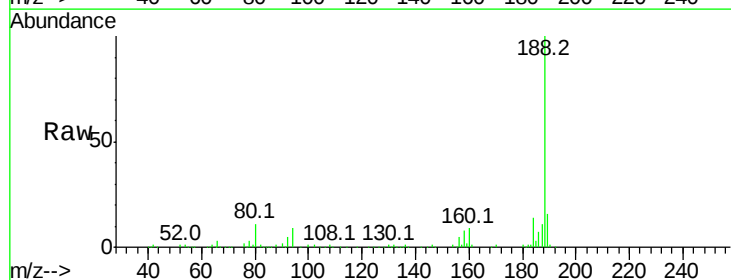
Instrument :
BNA_F
ClientSampleId :

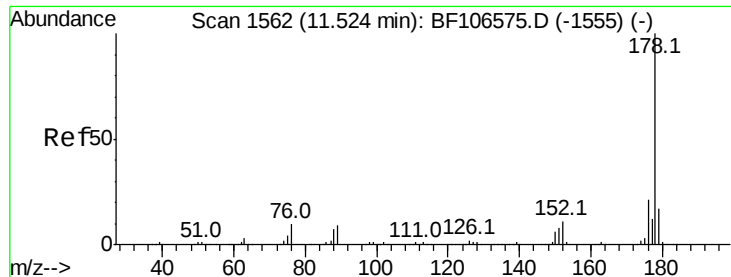
Tot Ion:165 Resp: 11669
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106686.D
Acq: 22 Jun 2018 2:41

Tgt Ion:188 Resp: 182422
Ion Ratio Lower Upper
188 100
94 9.4 8.5 12.7
80 10.5 9.2 13.8

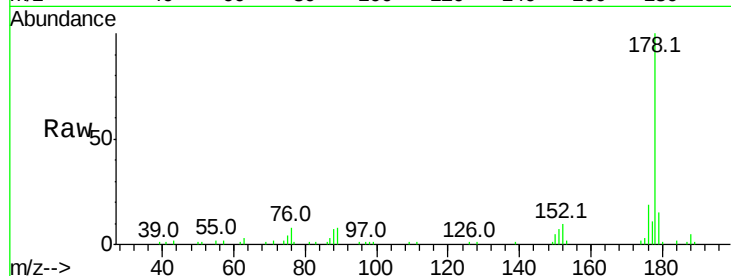




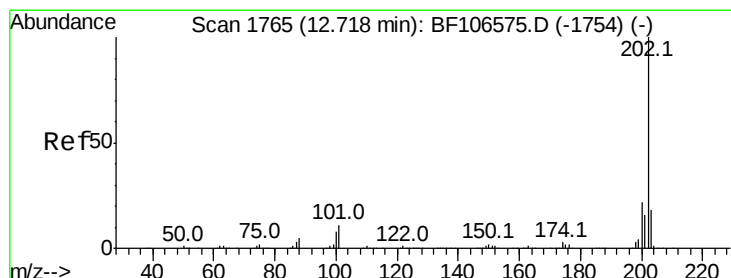
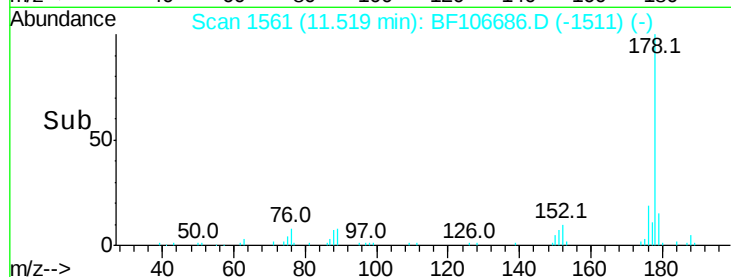
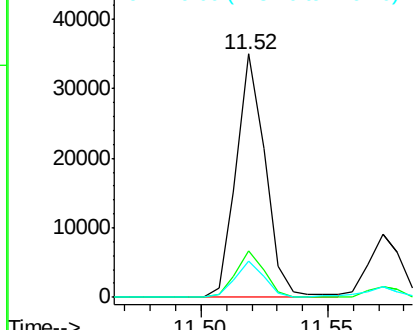
#70
Phenanthrene
Concen: 3.183 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106686.D
Acq: 22 Jun 2018 2:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 28010
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 15.1 13.0 19.6

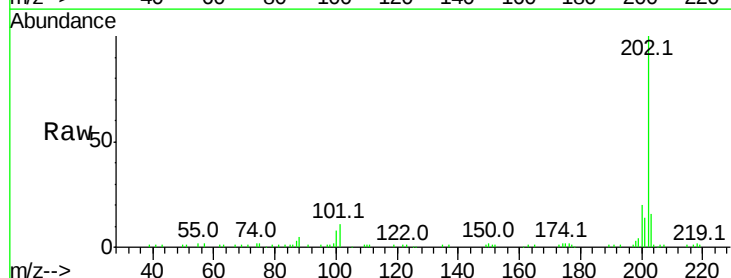


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

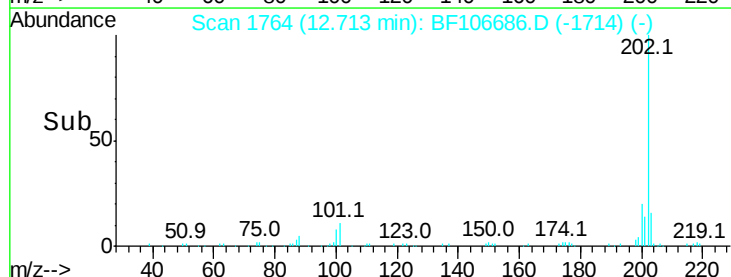
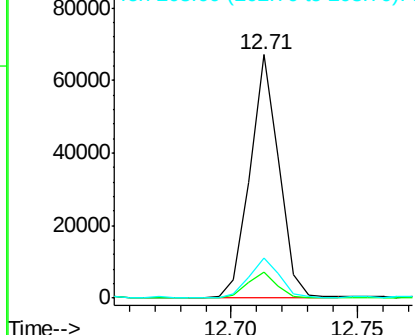


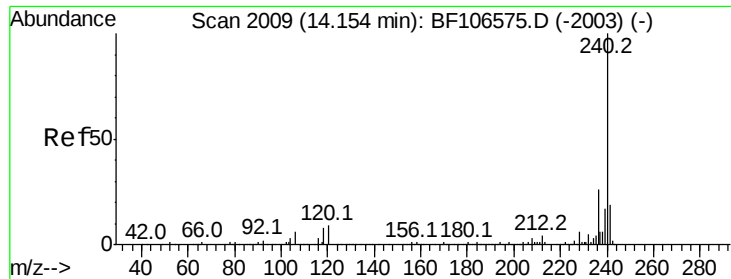
#74
Fluoranthene
Concen: 5.508 ng
RT: 12.71 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF106686.D
Acq: 22 Jun 2018 2:41

Tgt Ion:202 Resp: 53414
Ion Ratio Lower Upper
202 100
101 10.8 0.0 34.1
203 16.5 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

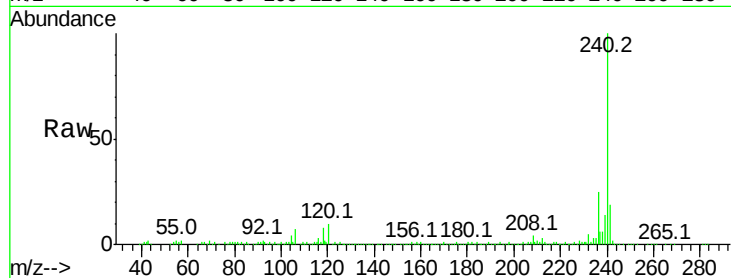




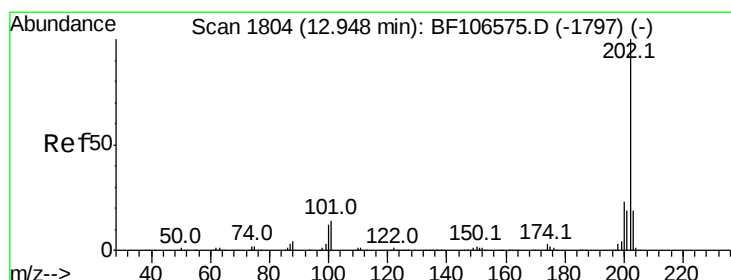
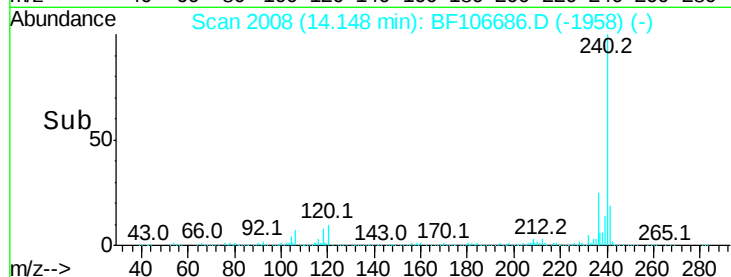
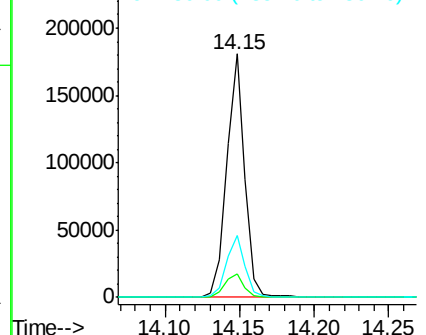
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF106686.D
Acq: 22 Jun 2018 2:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:240 Resp: 153583
Ion Ratio Lower Upper
240 100
120 9.6 9.5 14.3
236 25.2 20.7 31.1

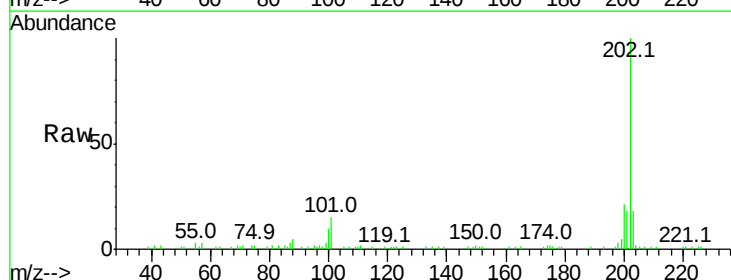


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

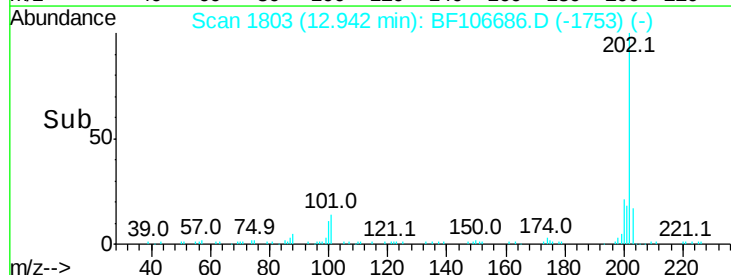
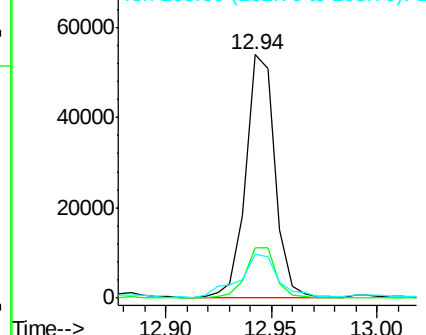


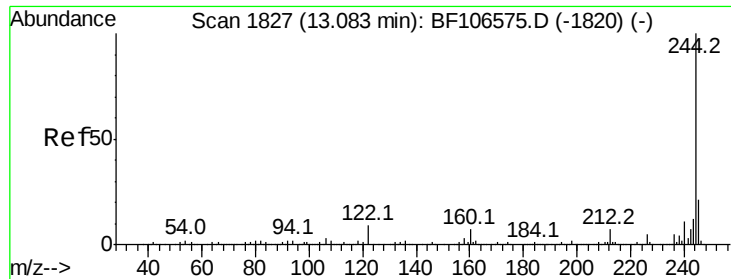
#77
Pyrene
Concen: 5.160 ng
RT: 12.94 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF106686.D
Acq: 22 Jun 2018 2:41

Tgt Ion:202 Resp: 52262
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 18.0 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

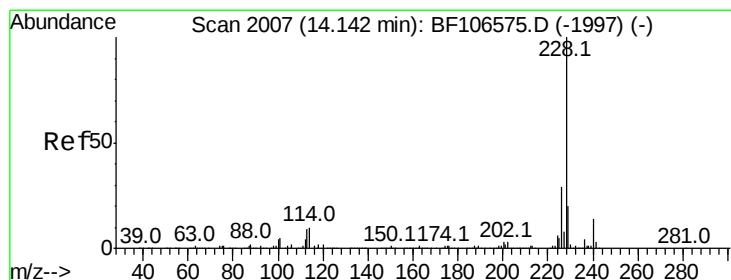
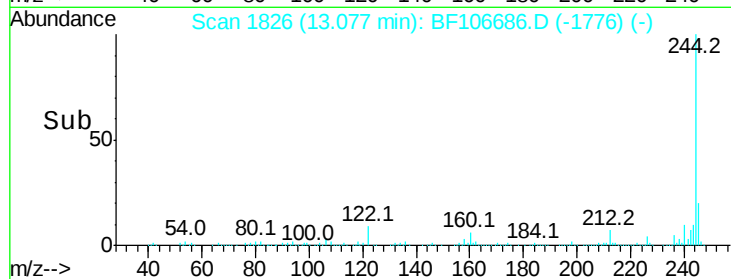
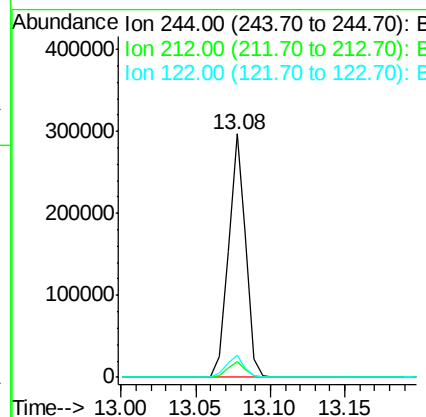
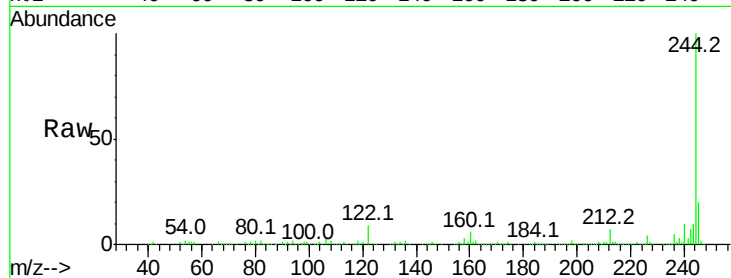




#78
 Terphenyl-d14
 Concen: 38.158 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF106686.D
 Acq: 22 Jun 2018 2:41

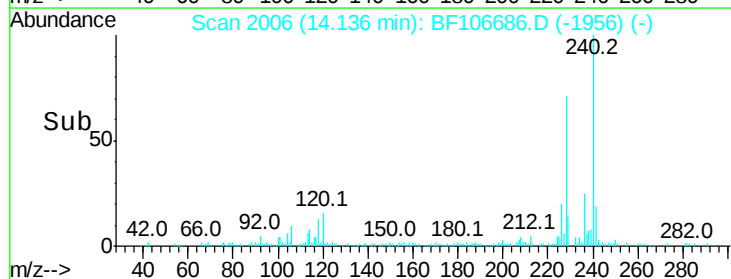
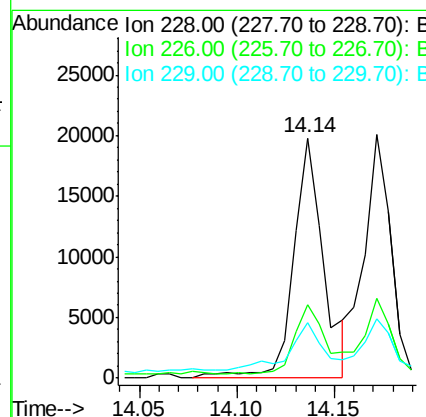
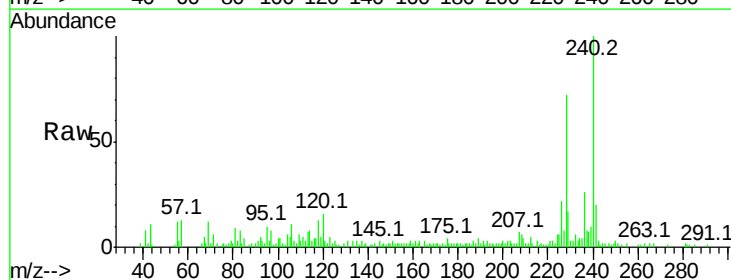
Instrument :
 BNA_F
 ClientSampleId :

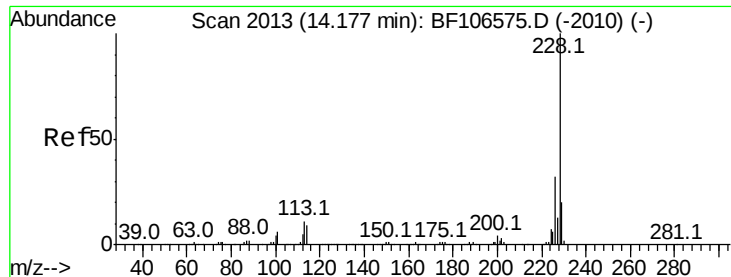
Tot Ion:244 Resp: 241936
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 9.1 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 2.259 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF106686.D
 Acq: 22 Jun 2018 2:41

Tgt Ion:228 Resp: 21142
 Ion Ratio Lower Upper
 228 100
 226 30.7 22.6 33.8
 229 23.3 15.8 23.6





#82

Chrysene

Concen: 2.184 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF106686.D

Acq: 22 Jun 2018 2:41

Instrument :

BNA_F

ClientSampled :

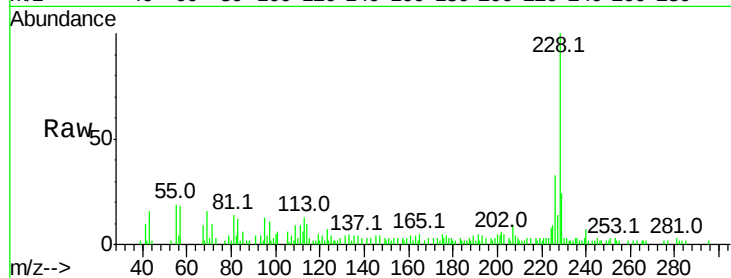
Tot Ion:228 Resp: 18806

Ion Ratio Lower Upper

228 100

226 32.9 25.0 37.6

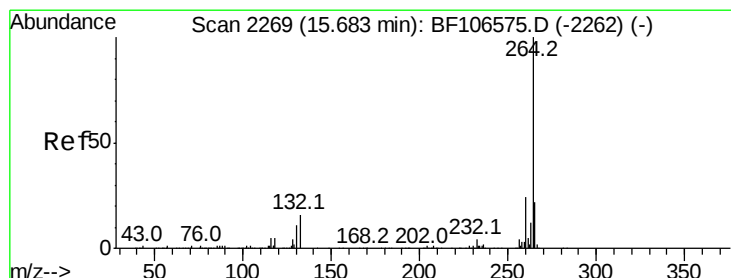
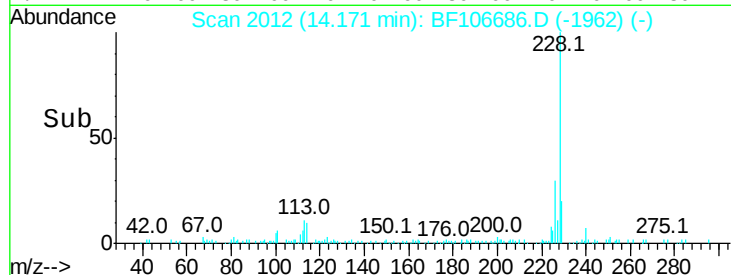
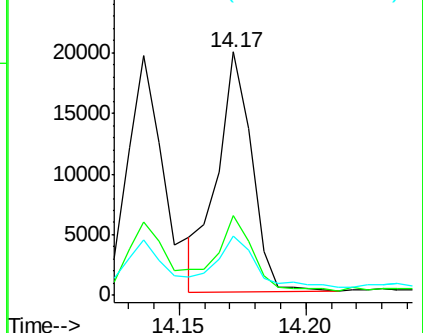
229 24.3 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2270

Delta R.T. 0.01 min

Lab File: BF106686.D

Acq: 22 Jun 2018 2:41

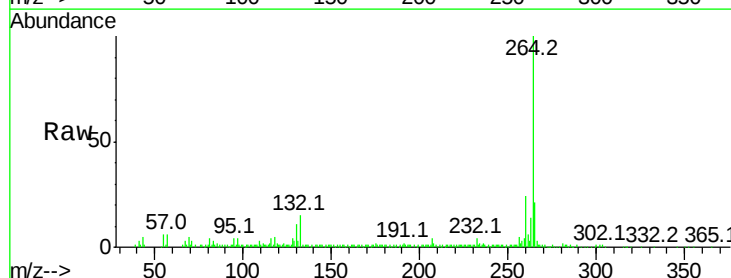
Tgt Ion:264 Resp: 113417

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

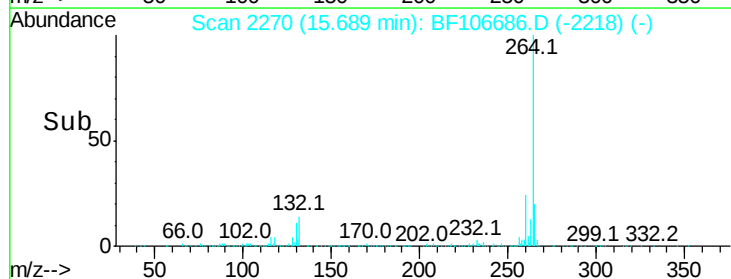
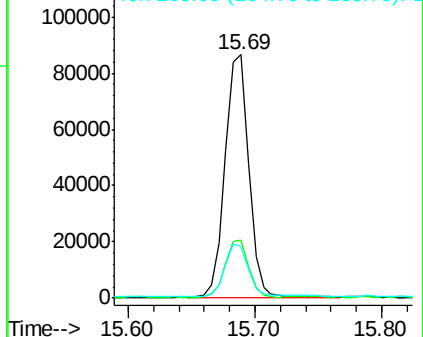
265 20.9 17.5 26.3

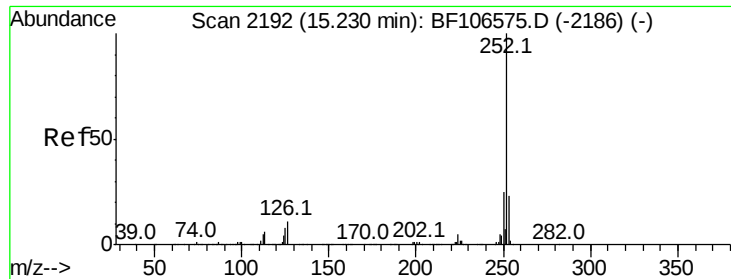


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.073 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BF106686.D

Acq: 22 Jun 2018 2:41

Instrument :

BNA_F

ClientSampleId :

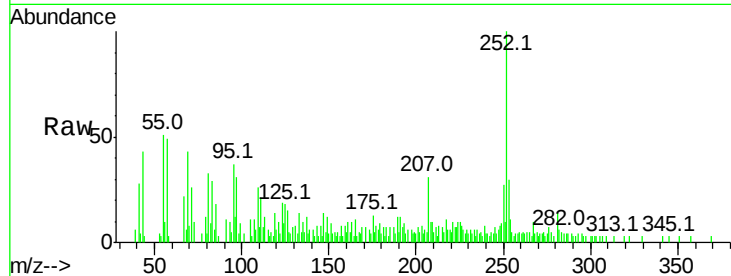
Tot Ion:252 Resp: 21649

Ion Ratio Lower Upper

252 100

253 30.0 17.0 25.6#

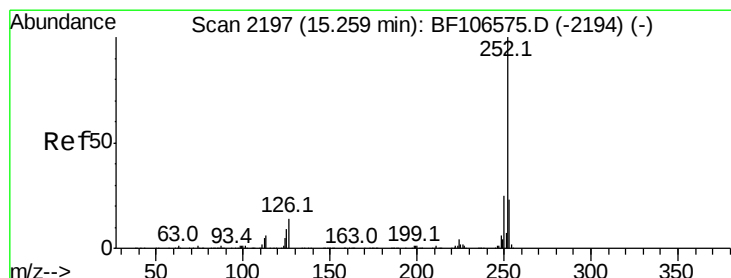
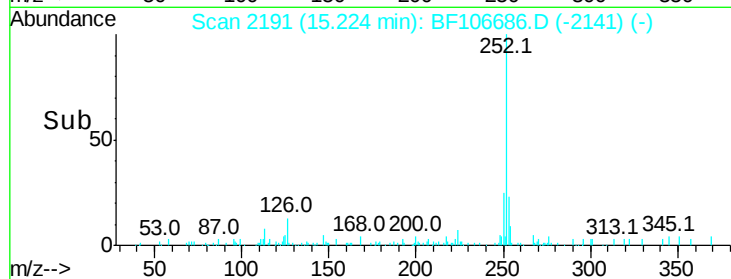
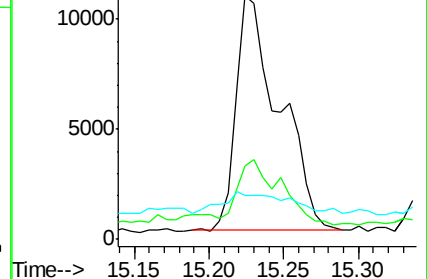
125 18.1 9.0 13.6#



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: 3.227 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.04 min

Lab File: BF106686.D

Acq: 22 Jun 2018 2:41

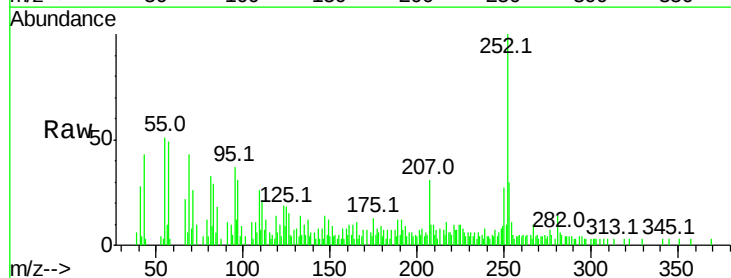
Tgt Ion:252 Resp: 21649

Ion Ratio Lower Upper

252 100

253 30.0 17.9 26.9#

125 18.1 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

