

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
 Data File : BF106688.D
 Acq On : 22 Jun 2018 3:34
 Operator : JU/SJ
 Sample : J3603-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 04:36:29 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	56709	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	193099	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	87744	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	178759	20.00	ng	0.00
75) Chrysene-d12	14.15	240	148701	20.00	ng	0.00
86) Perylene-d12	15.68	264	111522	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	285176	85.15	ng	0.00
7) Phenol-d6	6.60	99	344690	82.42	ng	0.00
23) Nitrobenzene-d5	7.52	82	196779	56.63	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	82780	81.40	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	282661	48.13	ng	0.00
78) Terphenyl-d14	13.08	244	330090	53.77	ng	0.00

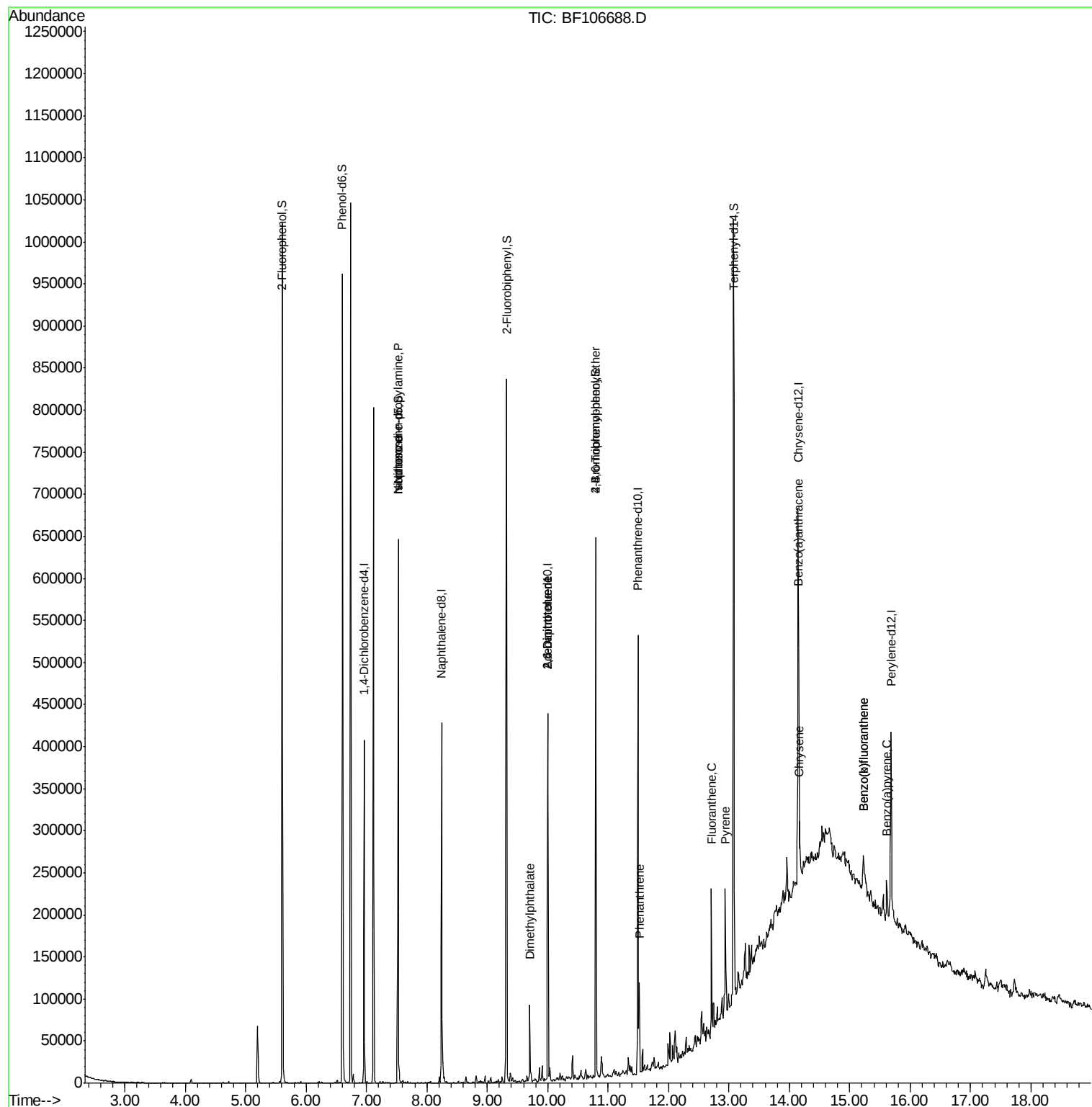
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	25794	9.356	ng	# 72
20) 3+4-Methylphenols	7.37	107	260	Below Cal		# 20
25) Isophorone	7.52	82	196813	32.144	ng	# 64
49) Dimethylphthalate	9.71	163	31662	4.811	ng	# 97
50) 2,6-Dinitrotoluene	10.00	165	12103	8.685	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	12103	6.654	ng	# 21
66) 4-Bromophenyl-phenylether	10.80	248	5291	2.480	ng	# 1
70) Phenanthrene	11.52	178	35638	4.133	ng	# 99
74) Fluoranthene	12.71	202	59097	6.219	ng	# 98
77) Pyrene	12.94	202	60823	6.203	ng	# 99
80) Benzo(a)anthracene	14.14	228	32618	3.599	ng	# 86
82) Chrysene	14.17	228	29150	3.496	ng	# 95
87) Benzo(b)fluoranthene	15.23	252	34027	4.912	ng	# 87
88) Benzo(k)fluoranthene	15.23	252	34027	5.158	ng	# 90
89) Benzo(a)pyrene	15.62	252	20181	3.277	ng	# 89

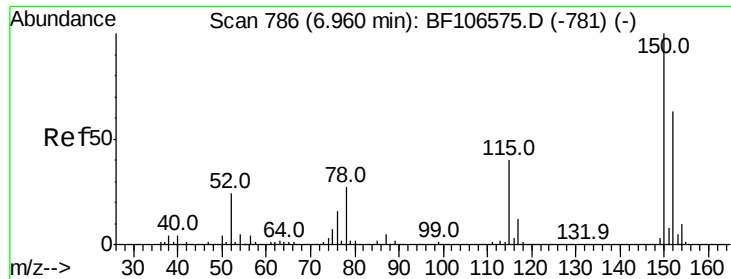
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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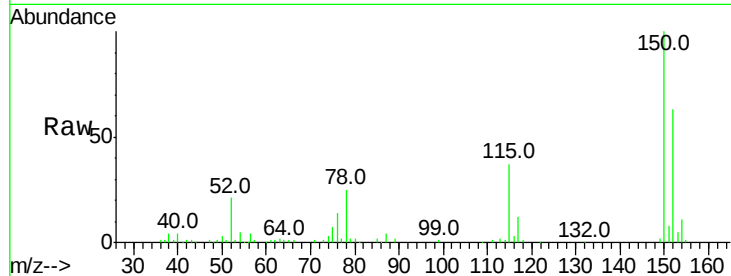


#1

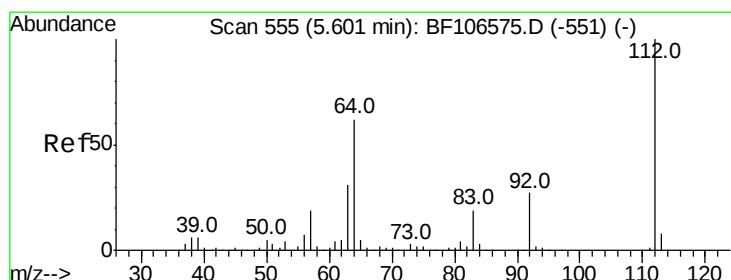
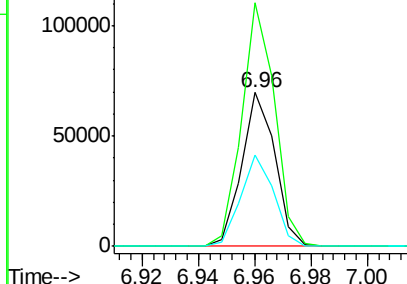
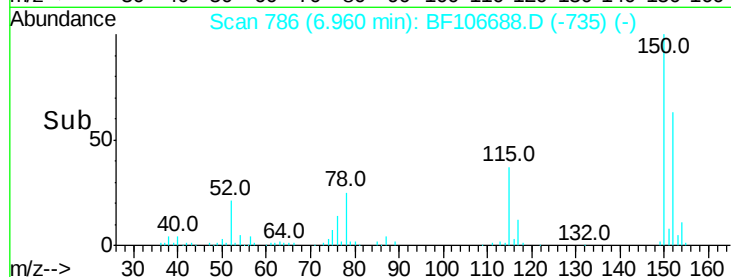
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106688.D
Acq: 22 Jun 2018 3:34

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.6	186.8
115	59.3	50.1	75.1



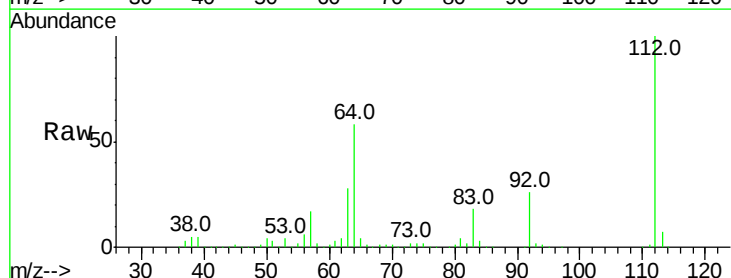
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



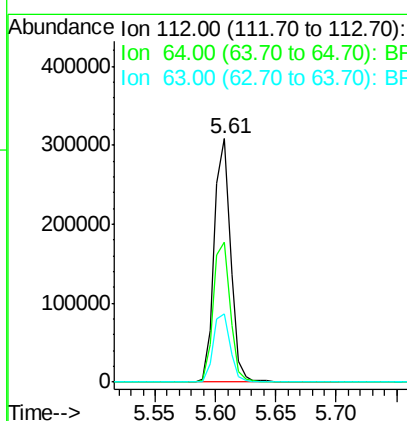
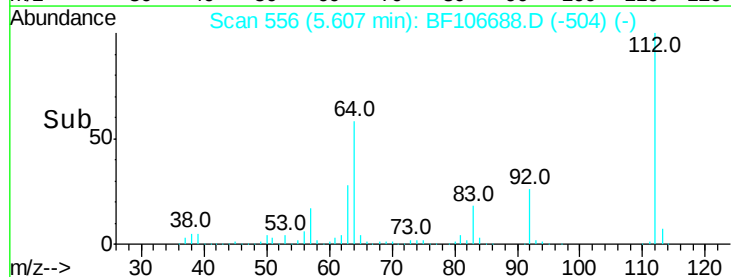
#5

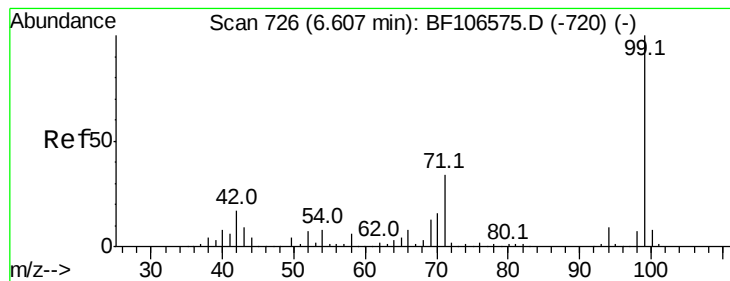
2-Fluorophenol
Concen: 85.153 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF106688.D
Acq: 22 Jun 2018 3:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	47.9	71.9
63	27.8	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: 82.418 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106688.D

Acq: 22 Jun 2018 3:34

Instrument :

BNA_F

ClientSampleId :

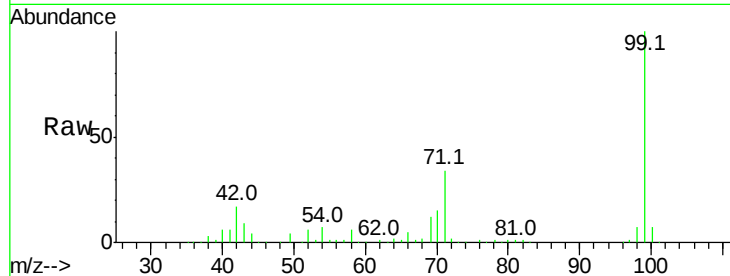
Tot Ion: 99 Resp: 344690

Ion Ratio Lower Upper

99 100

42 17.2 14.5 21.7

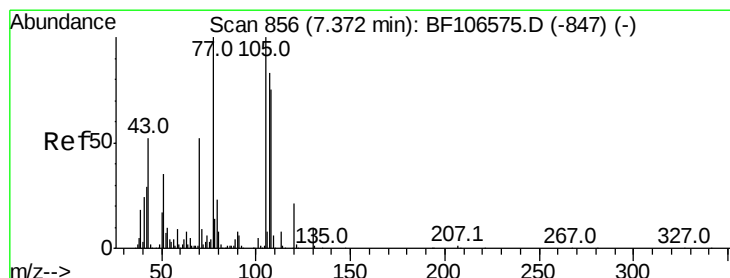
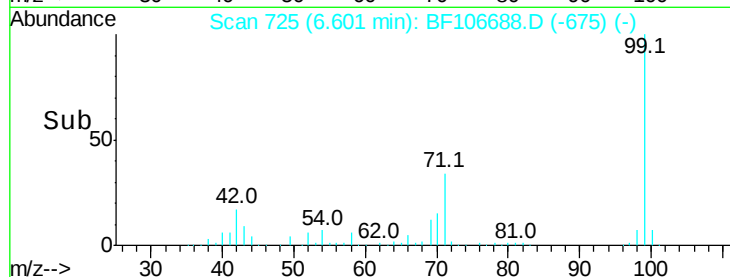
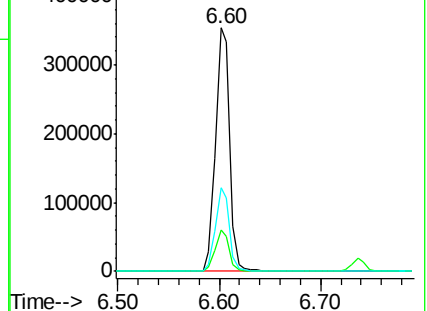
71 34.1 25.4 38.0



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: 9.356 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF106688.D

Acq: 22 Jun 2018 3:34

Tgt Ion: 70 Resp: 25794

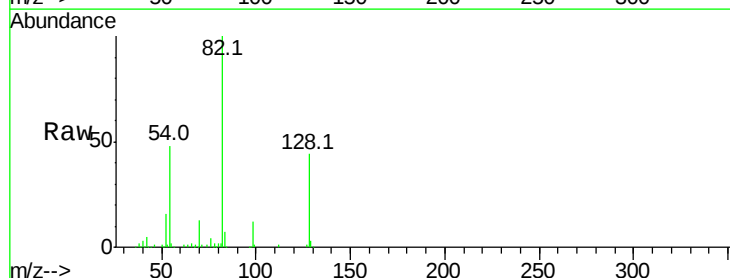
Ion Ratio Lower Upper

70 100

42 41.4 47.5 71.3#

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

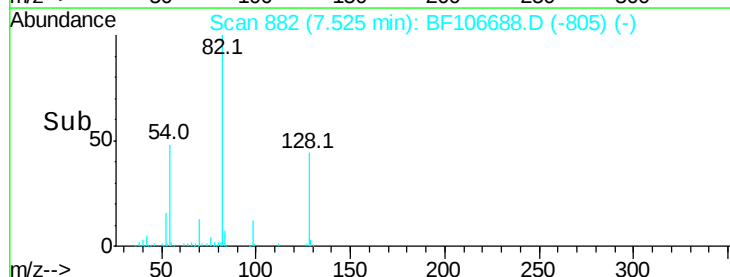
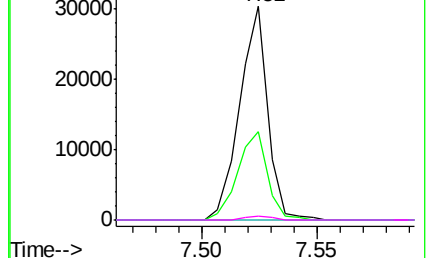


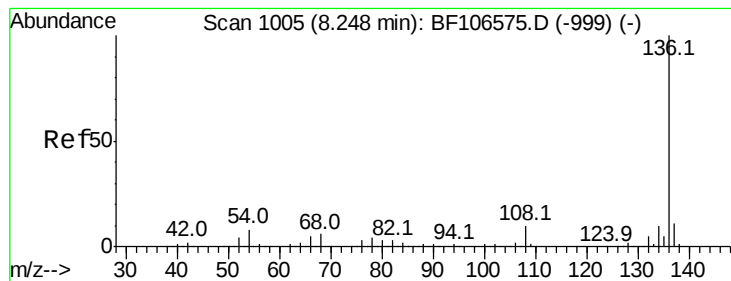
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF106688.D

Acq: 22 Jun 2018 3:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 193099

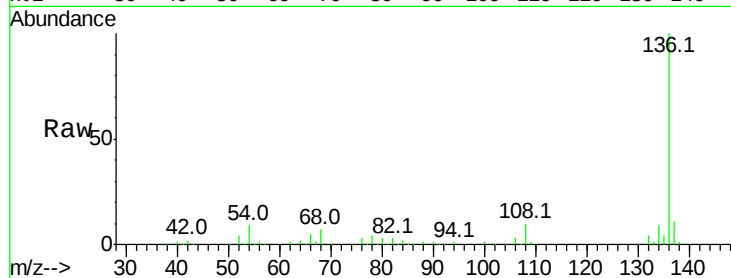
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.7 6.6 9.8

68 6.7 5.0 7.4

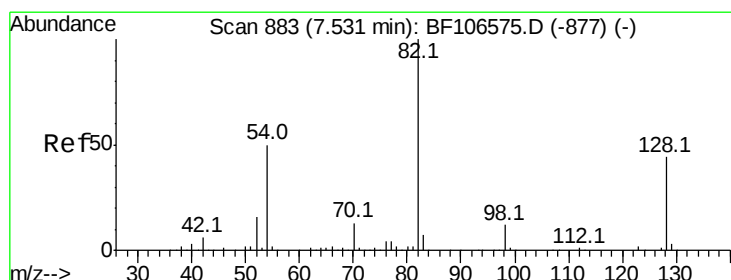
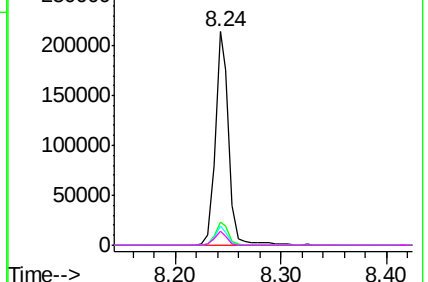
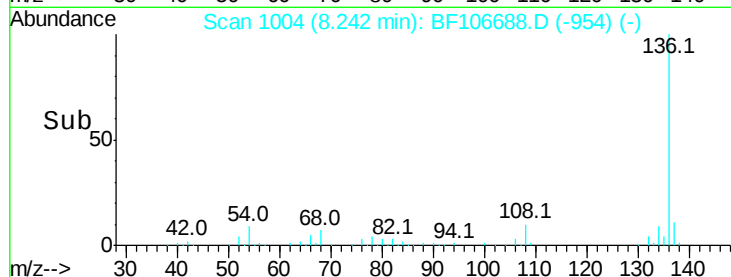


Abundance Ion 136.00 (135.70 to 136.70): E

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: 56.633 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF106688.D

Acq: 22 Jun 2018 3:34

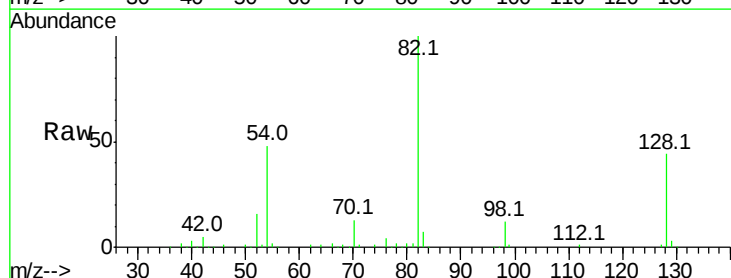
Tgt Ion: 82 Resp: 196779

Ion Ratio Lower Upper

82 100

128 44.2 36.1 54.1

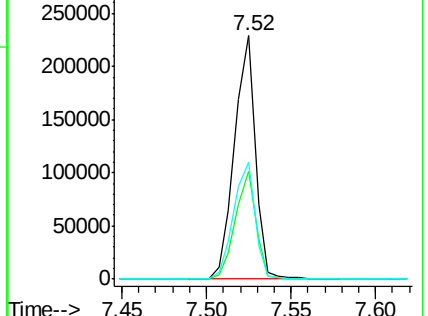
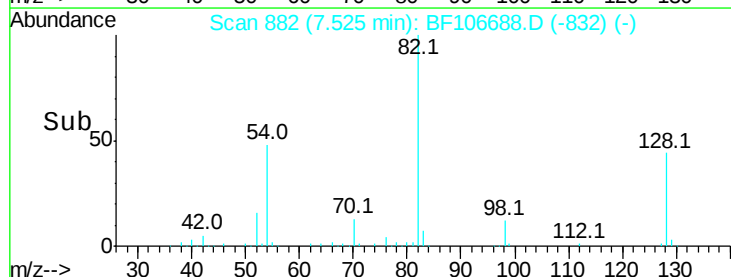
54 48.3 41.4 62.2

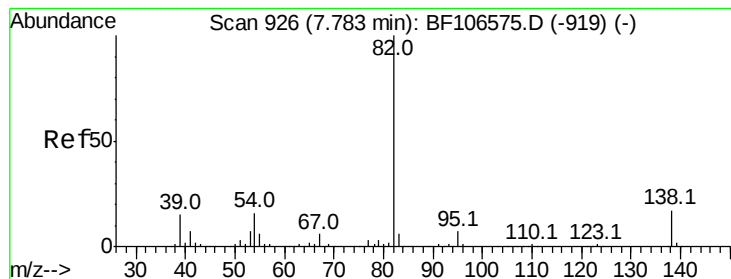


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.144 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF106688.D

Acq: 22 Jun 2018 3:34

Instrument :

BNA_F

ClientSampled :

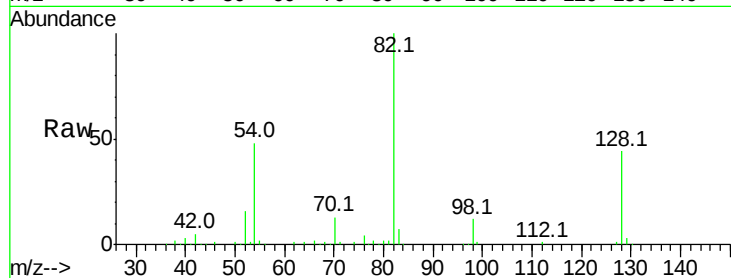
Tot Ion: 82 Resp: 196813

Ion Ratio Lower Upper

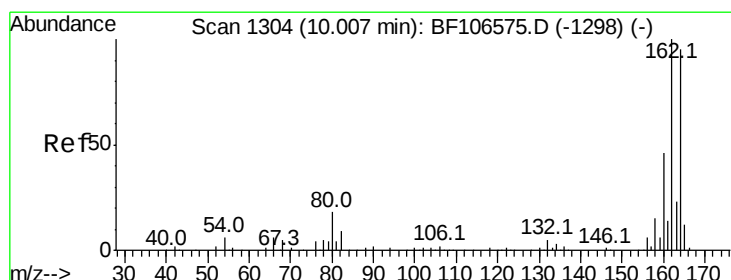
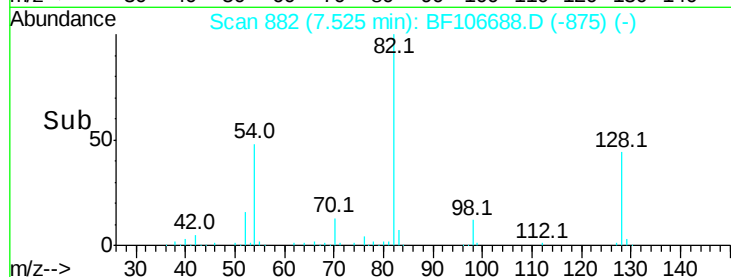
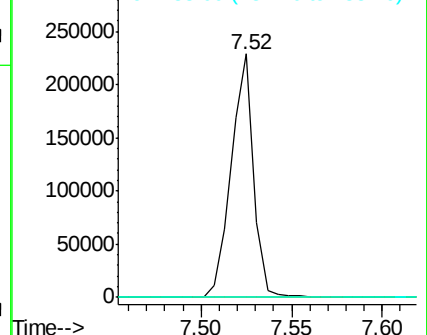
82 100

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: BF106688.D

Acq: 22 Jun 2018 3:34

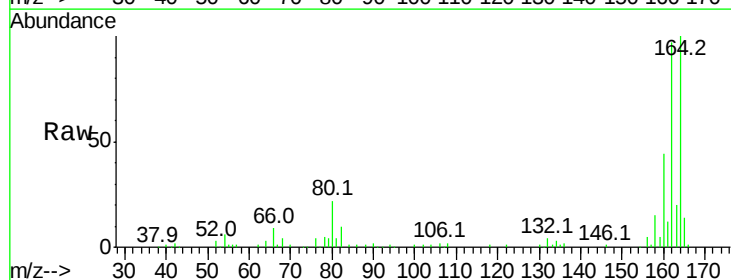
Tgt Ion:164 Resp: 87744

Ion Ratio Lower Upper

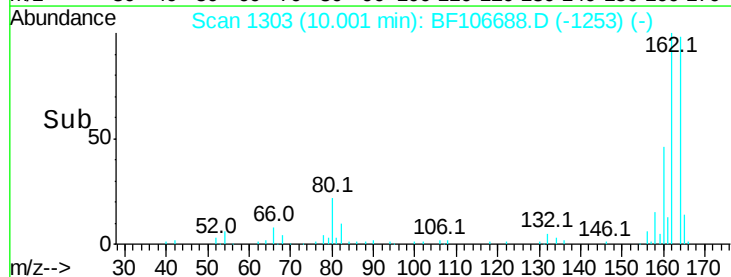
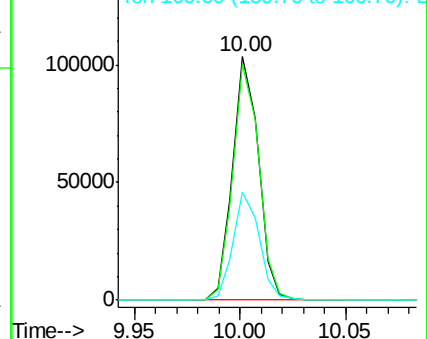
164 100

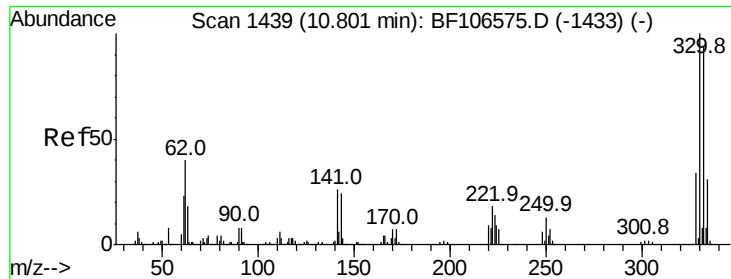
162 97.1 86.1 129.1

160 44.3 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

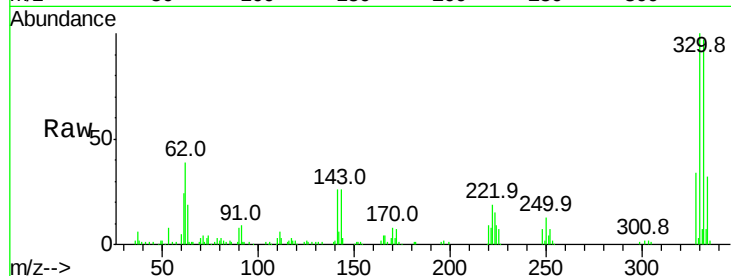




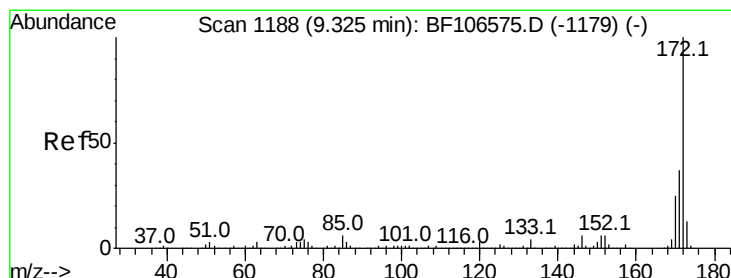
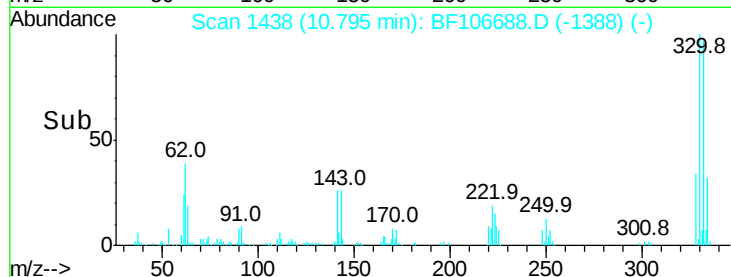
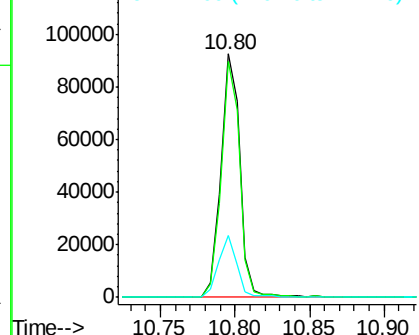
#41
 2,4,6-Tribromophenol
 Concen: 81.398 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106688.D
 Acq: 22 Jun 2018 3:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.0	115.6
141	24.3	29.9	44.9#

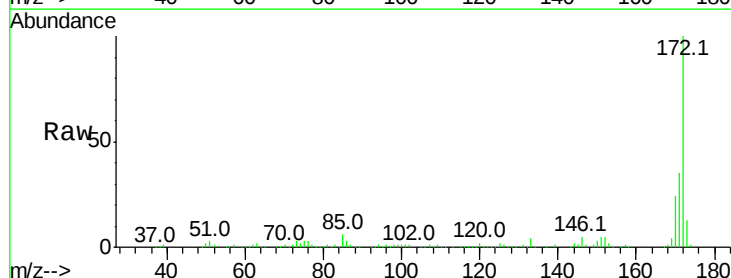


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

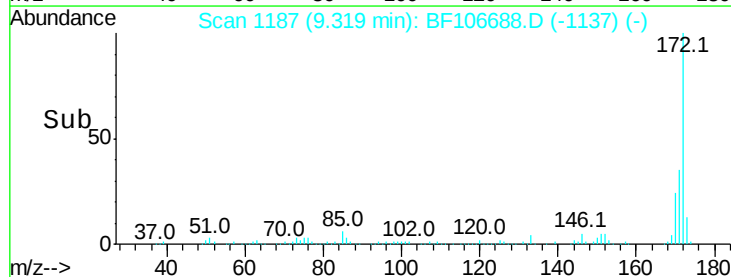
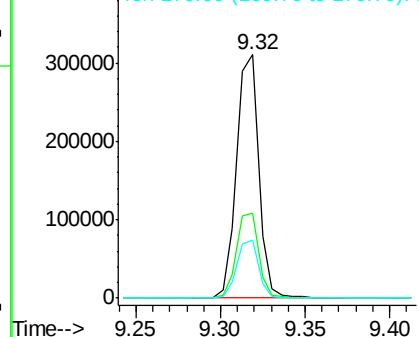


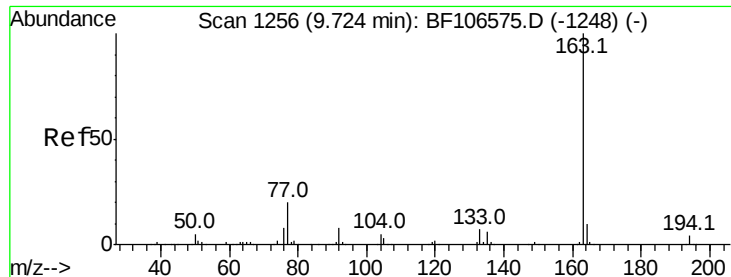
#44
 2-Fluorobiphenyl
 Concen: 48.128 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106688.D
 Acq: 22 Jun 2018 3:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	23.8	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: 4.811 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF106688.D

Acq: 22 Jun 2018 3:34

Instrument :

BNA_F

ClientSampled :

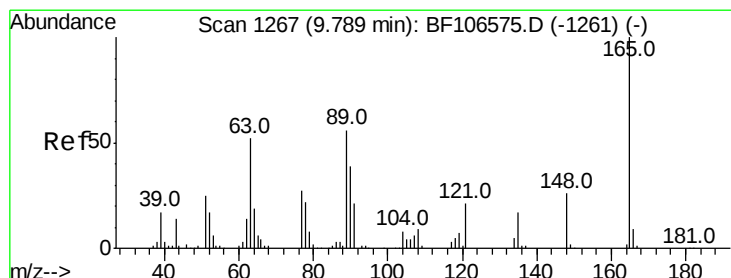
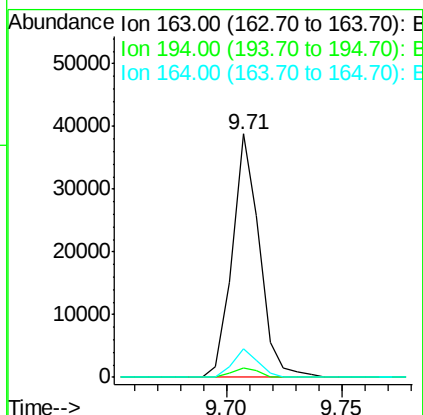
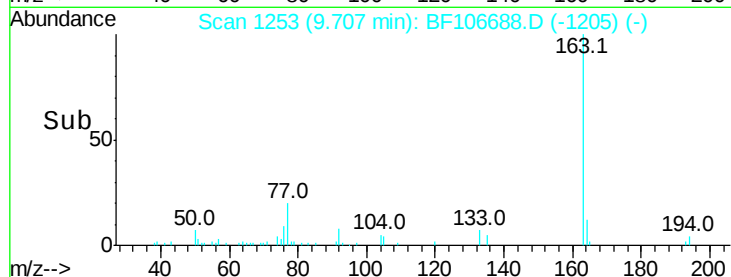
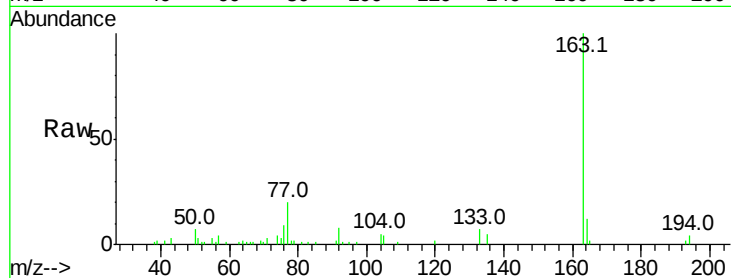
Tot Ion:163 Resp: 31662

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

164 11.7 8.2 12.2



#50

2,6-Dinitrotoluene

Concen: 8.685 ng

RT: 10.00 min Scan# 1303

Delta R.T. 0.21 min

Lab File: BF106688.D

Acq: 22 Jun 2018 3:34

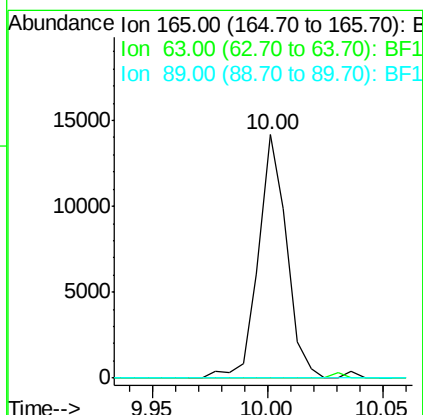
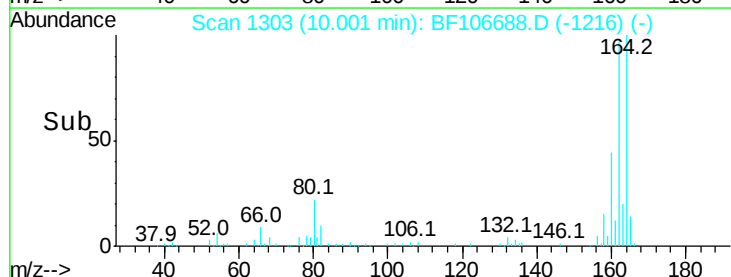
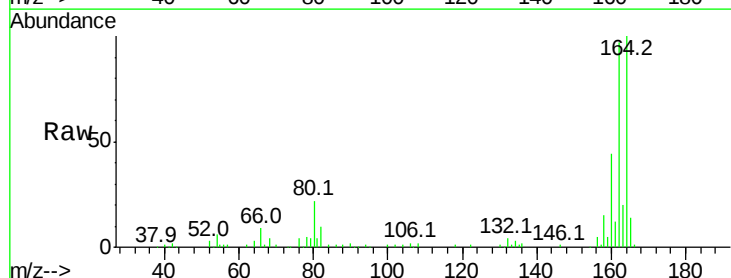
Tgt Ion:165 Resp: 12103

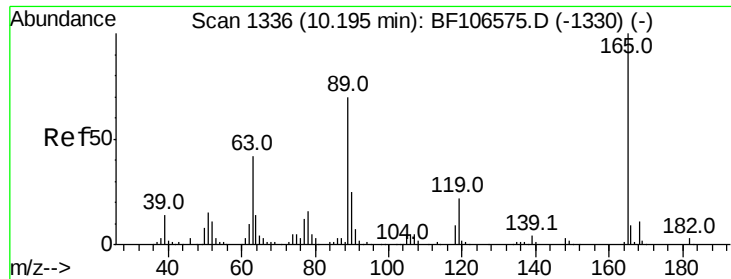
Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

89 0.0 44.0 66.0#

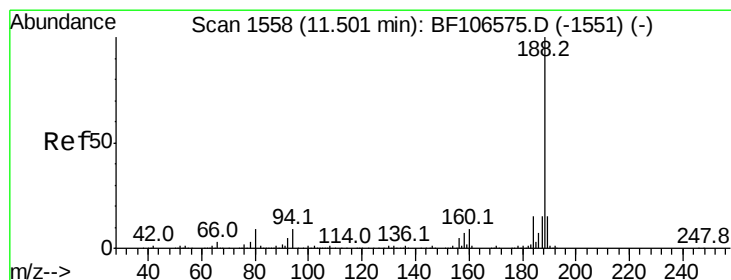
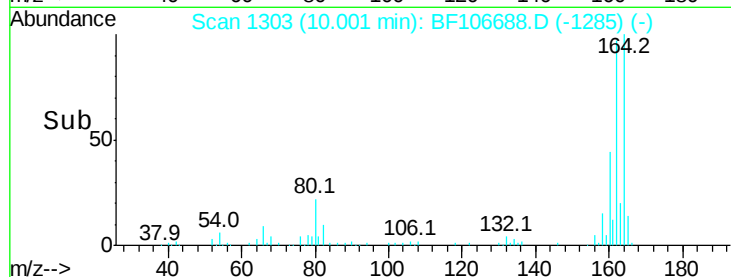
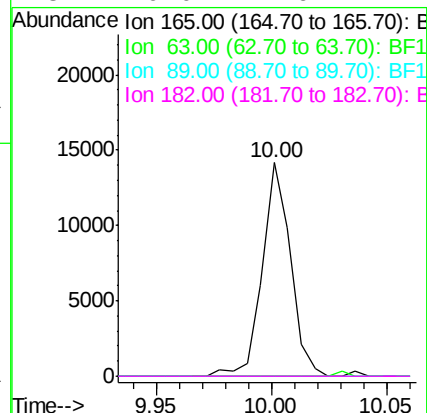
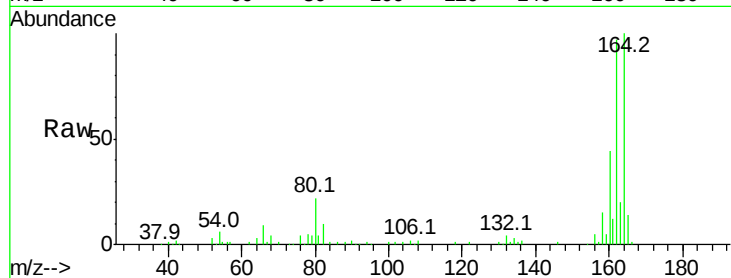




#56
2,4-Dinitrotoluene
Concen: 6.654 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.19 min
Lab File: BF106688.D
Acq: 22 Jun 2018 3:34

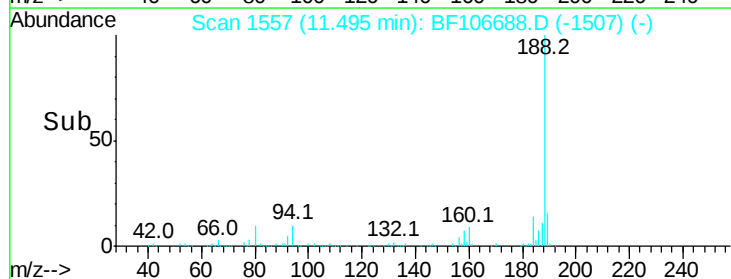
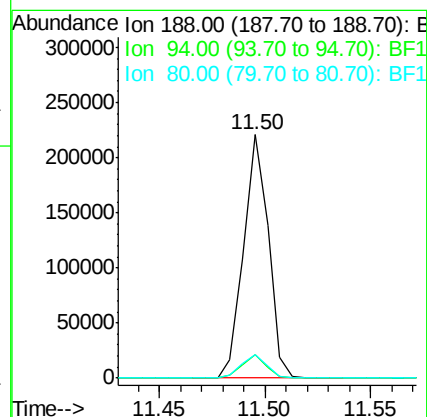
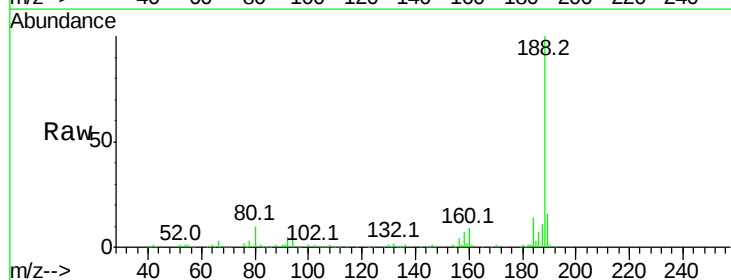
Instrument :
BNA_F
ClientSampleId :

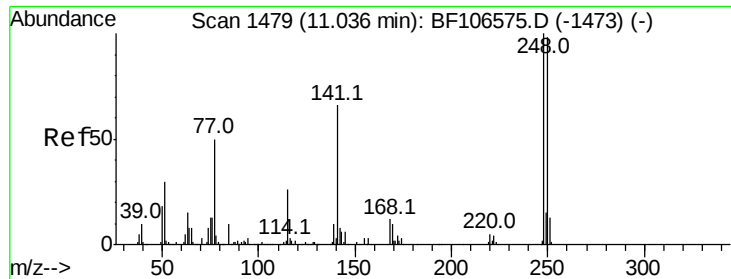
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106688.D
Acq: 22 Jun 2018 3:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	9.9	9.2	13.8

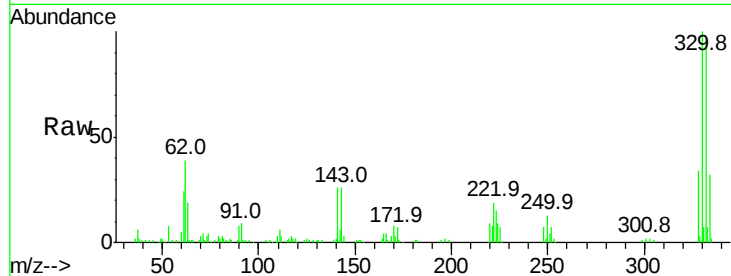




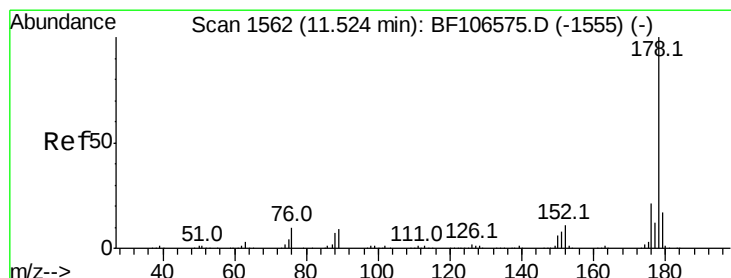
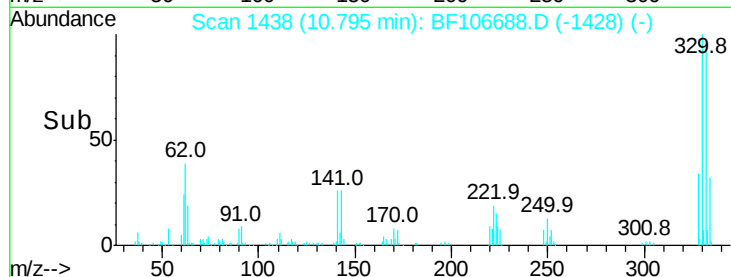
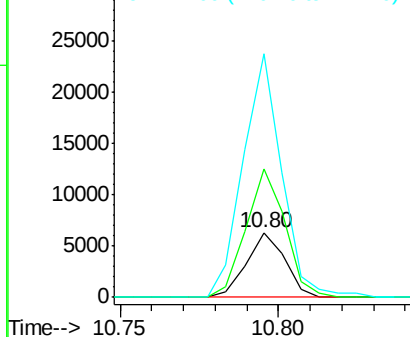
#66
 4-Bromophenyl-phenylether
 Concen: 2.480 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.24 min
 Lab File: BF106688.D
 Acq: 22 Jun 2018 3:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 5291
 Ion Ratio Lower Upper
 248 100
 250 197.8 76.9 115.3#
 141 375.9 74.4 111.6#

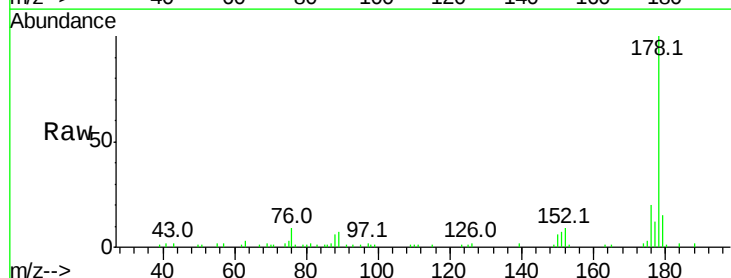


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

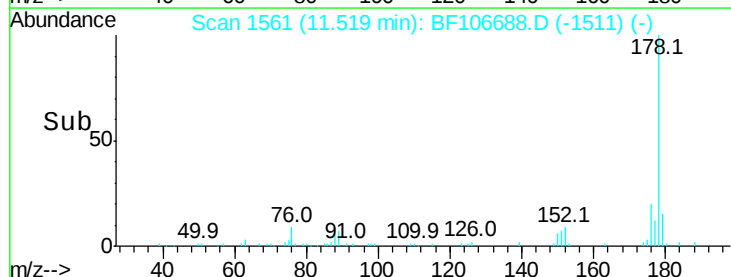
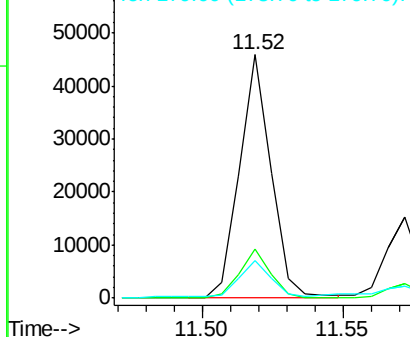


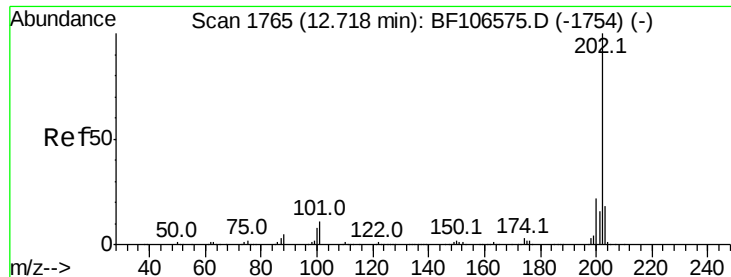
#70
 Phenanthrene
 Concen: 4.133 ng
 RT: 11.52 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF106688.D
 Acq: 22 Jun 2018 3:34

Tgt Ion:178 Resp: 35638
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.8 23.8
 179 15.4 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: 6.219 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106688.D

Acq: 22 Jun 2018 3:34

Instrument :

BNA_F

ClientSampleId :

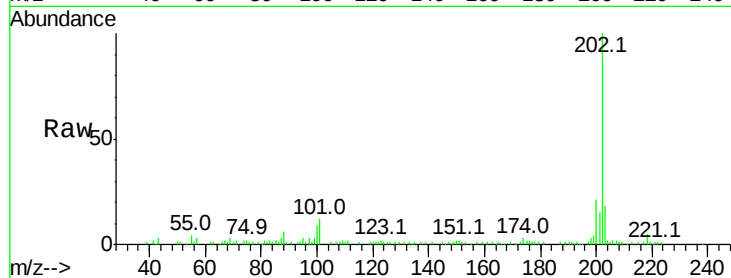
Tot Ion:202 Resp: 59097

Ion Ratio Lower Upper

202 100

101 12.1 0.0 34.1

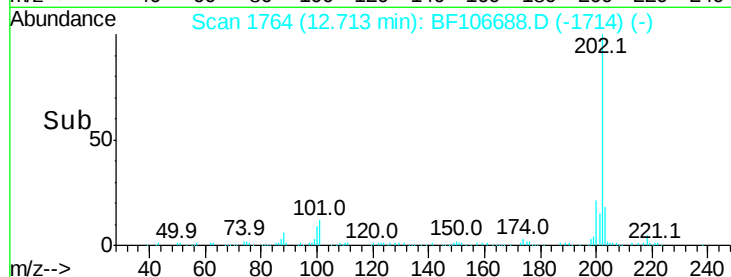
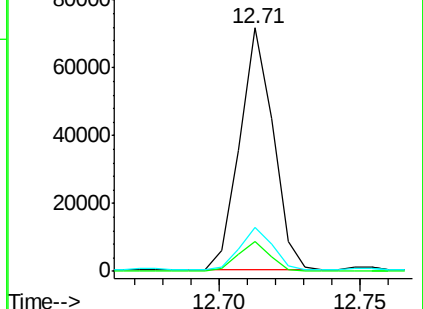
203 18.0 0.0 38.1



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: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106688.D

Acq: 22 Jun 2018 3:34

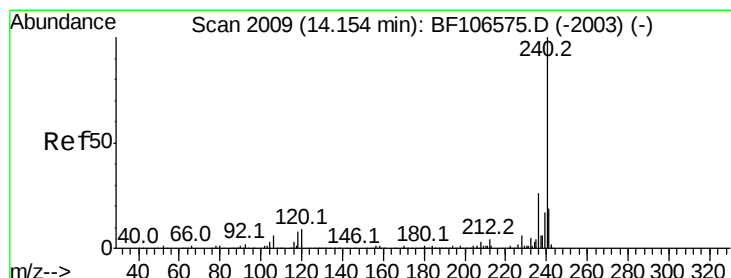
Tgt Ion:240 Resp: 148701

Ion Ratio Lower Upper

240 100

120 9.9 9.5 14.3

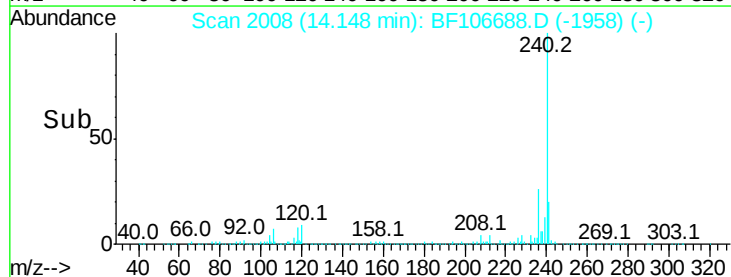
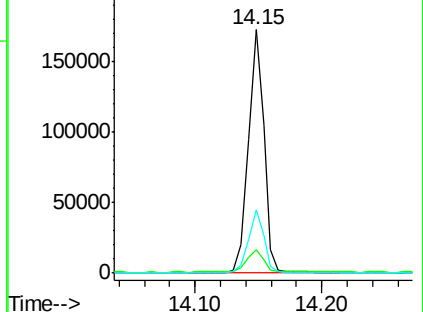
236 25.8 20.7 31.1

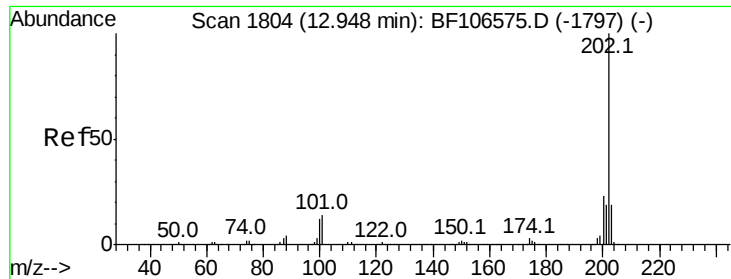


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

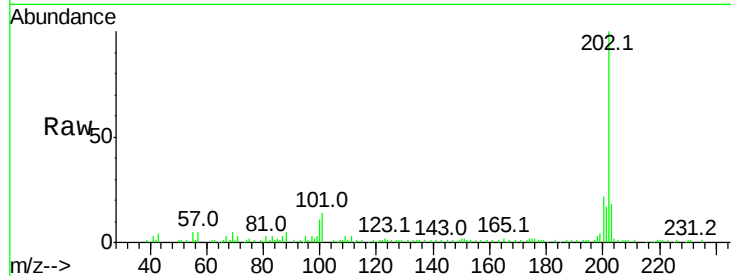




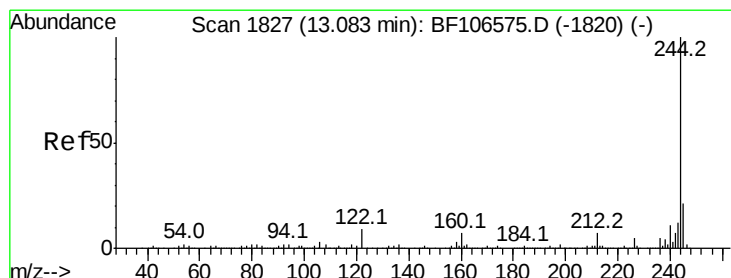
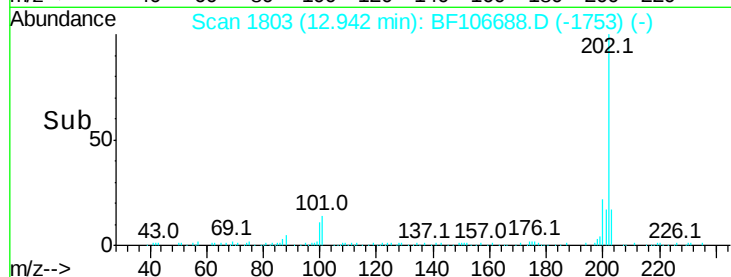
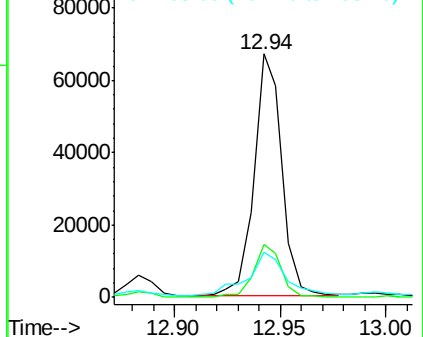
#77
Pvrene
Concen: 6.203 ng
RT: 12.94 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF106688.D
Acq: 22 Jun 2018 3:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 60823
Ion Ratio Lower Upper
202 100
200 21.9 17.4 26.2
203 18.5 14.3 21.5

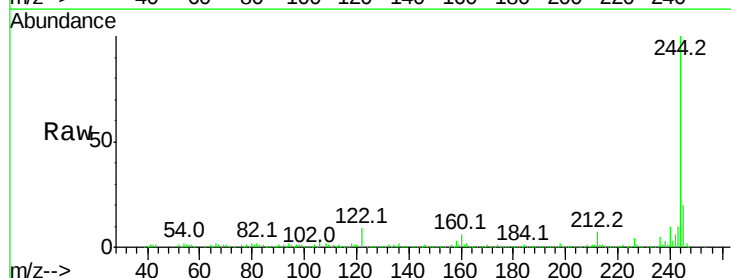


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

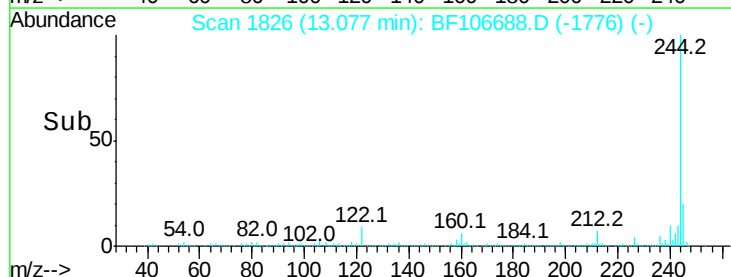
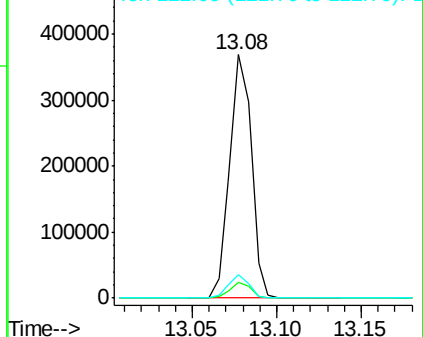


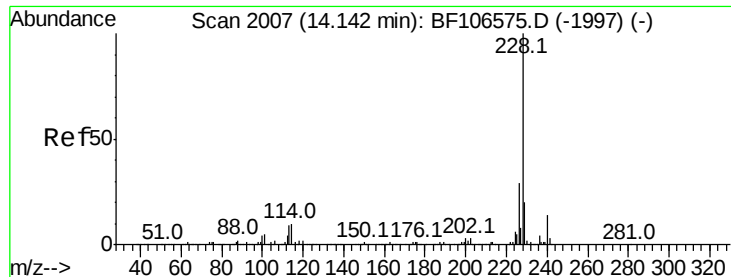
#78
Terphenyl-d14
Concen: 53.771 ng
RT: 13.08 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF106688.D
Acq: 22 Jun 2018 3:34

Tgt Ion:244 Resp: 330090
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 9.4 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

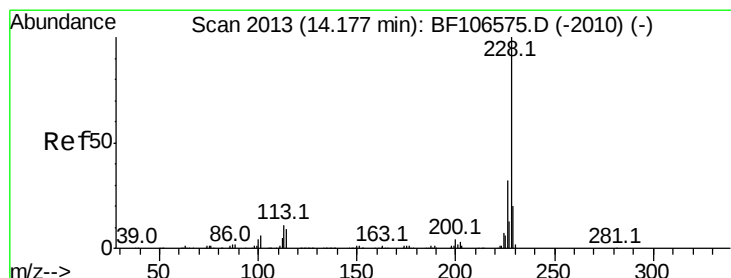
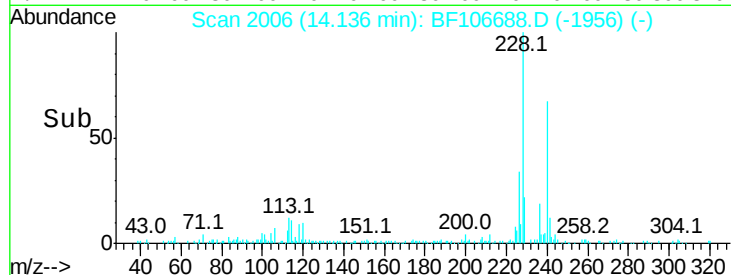
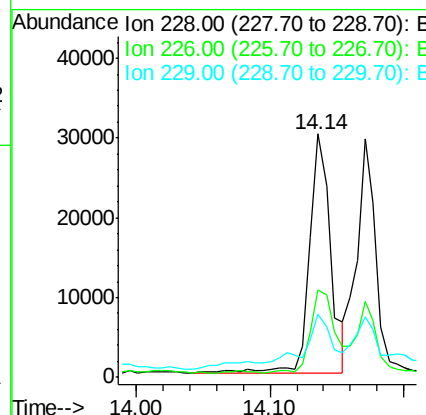
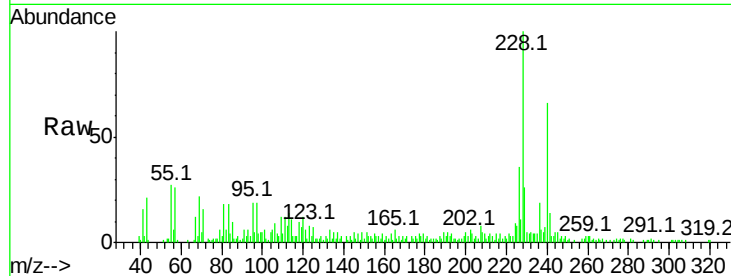




#80
Benzo(a)anthracene
Concen: 3.599 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF106688.D
Acq: 22 Jun 2018 3:34

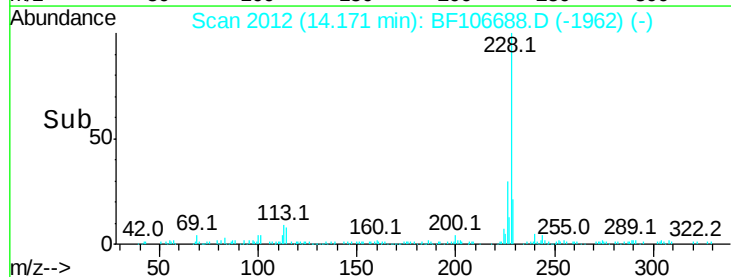
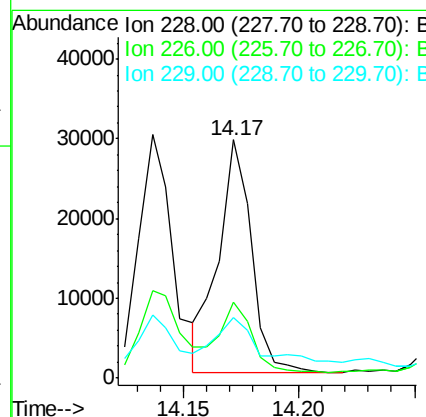
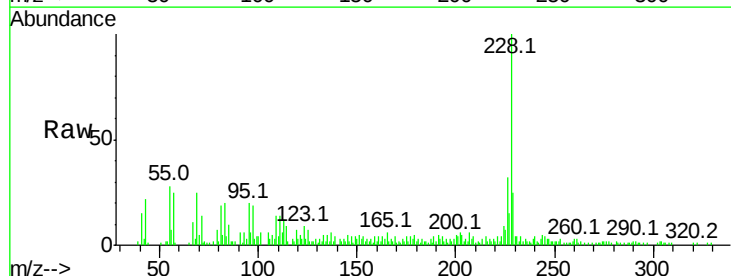
Instrument :
BNA_F
ClientSampleId :

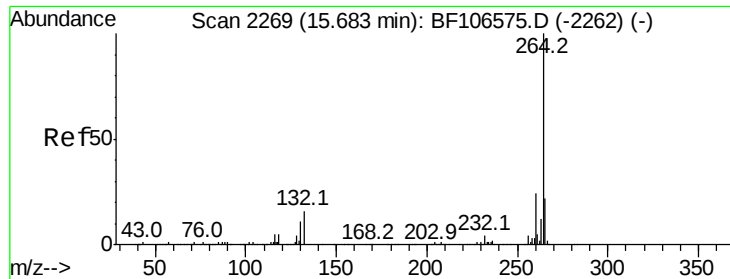
Tot Ion:228 Resp: 32618
Ion Ratio Lower Upper
228 100
226 35.8 22.6 33.8#
229 26.1 15.8 23.6#



#82
Chrysene
Concen: 3.496 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF106688.D
Acq: 22 Jun 2018 3:34

Tgt Ion:228 Resp: 29150
Ion Ratio Lower Upper
228 100
226 31.9 25.0 37.6
229 25.4 16.2 24.4#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2269

Delta R.T. 0.00 min

Lab File: BF106688.D

Acq: 22 Jun 2018 3:34

Instrument :

BNA_F

ClientSampleId :

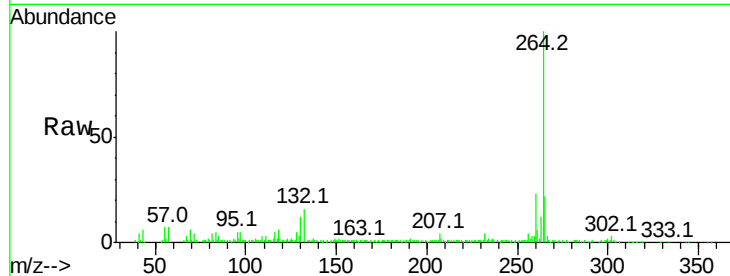
Tot Ion:264 Resp: 111522

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

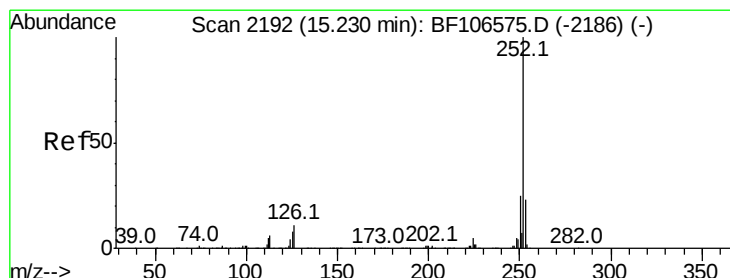
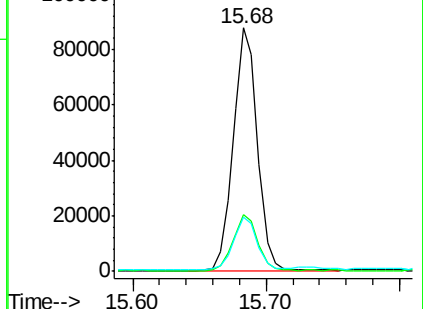
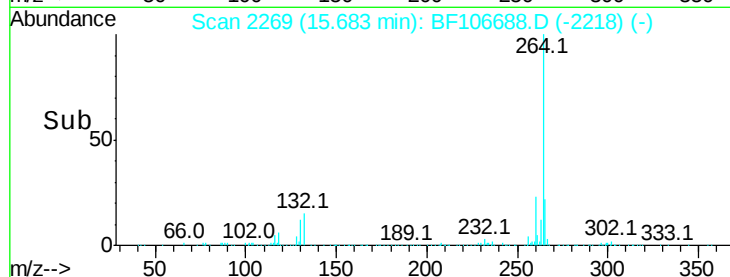
265 22.0 17.5 26.3



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: 4.912 ng

RT: 15.23 min Scan# 2192

Delta R.T. 0.00 min

Lab File: BF106688.D

Acq: 22 Jun 2018 3:34

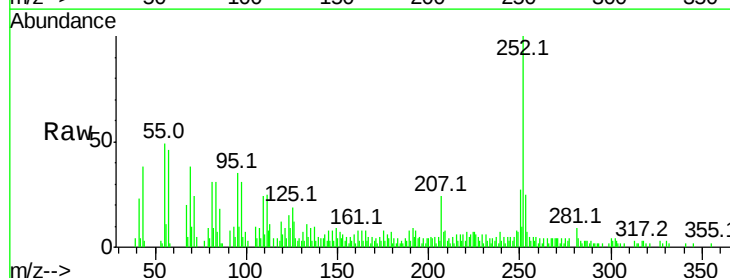
Tgt Ion:252 Resp: 34027

Ion Ratio Lower Upper

252 100

253 25.2 17.0 25.6

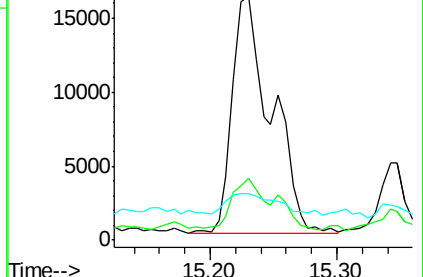
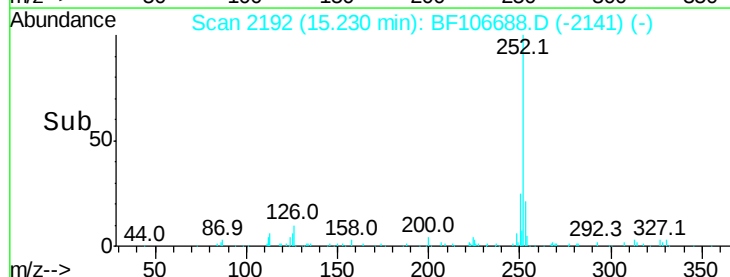
125 19.2 9.0 13.6#

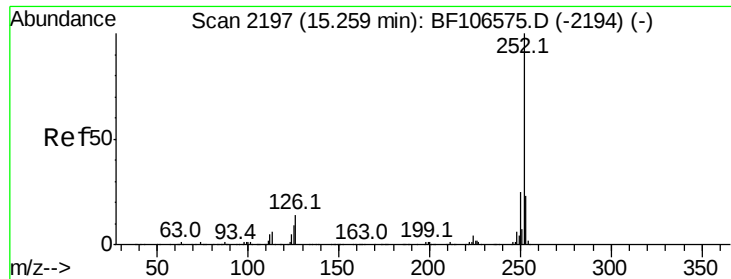


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

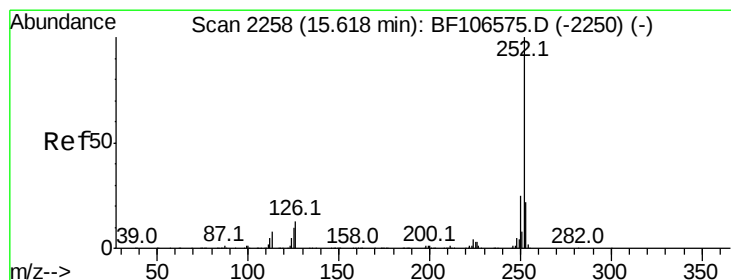
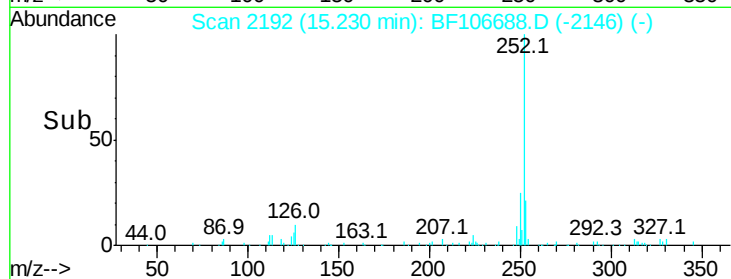
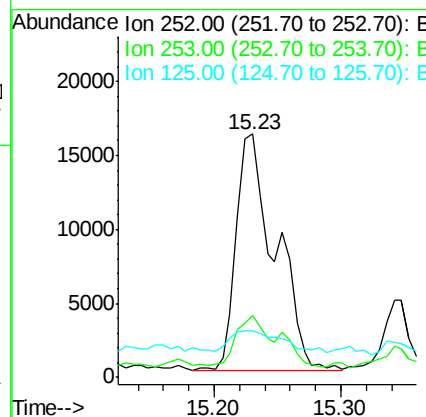
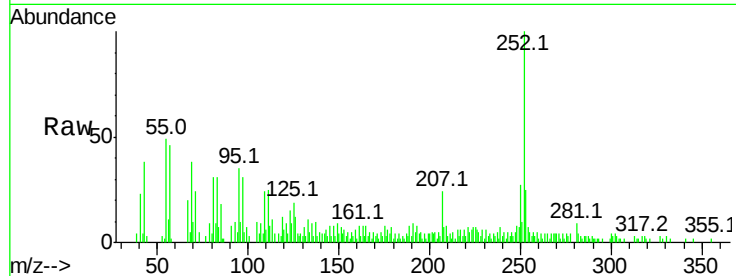




#88
Benzo(k)fluoranthene
Concen: 5.158 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF106688.D
Acq: 22 Jun 2018 3:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.9	26.9
125	19.2	10.2	15.2



#89
Benzo(a)pyrene
Concen: 3.277 ng
RT: 15.62 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BF106688.D
Acq: 22 Jun 2018 3:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.1	25.7
125	17.0	9.8	14.6

