

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061418\
 Data File : BF106441.D
 Acq On : 14 Jun 2018 14:49
 Operator : JU/SJ
 Sample : J3239-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

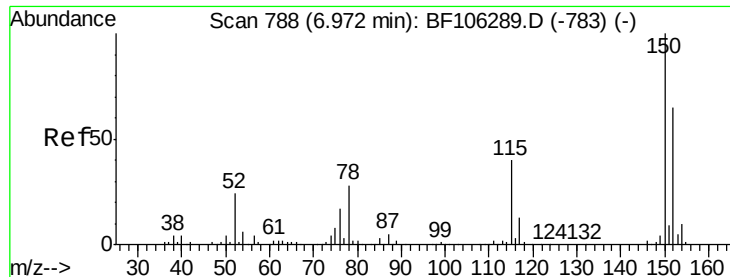
Quant Time: Jun 14 18:41:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 14 18:39:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	141142	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	536665	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	243318	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	411040	20.00	ng	0.00
75) Chrysene-d12	14.15	240	358935	20.00	ng	0.00
86) Perylene-d12	15.72	264	336414	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	755069	90.54	ng	0.00
7) Phenol-d6	6.61	99	944394	89.64	ng	0.00
23) Nitrobenzene-d5	7.52	82	640413	70.20	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	238178	101.74	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	1025773	70.90	ng	0.00
78) Terphenyl-d14	13.08	244	865536	59.89	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	86390	10.929	ng	# 76
25) Isophorone	7.52	82	640403	35.941	ng	# 64
49) Dimethylphthalate	9.71	163	149941	8.625	ng	99
56) 2,4-Dinitrotoluene	10.01	165	30718	6.889	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.80	198	554	6.512	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	15554	3.327	ng	# 1
70) Phenanthrene	11.52	178	60190	2.990	ng	97
74) Fluoranthene	12.71	202	102304	4.765	ng	96
77) Pyrene	12.94	202	93970	4.182	ng	98
80) Benzo(a)anthracene	14.14	228	59827	2.801	ng	97
82) Chrysene	14.18	228	53831	2.760	ng	96
87) Benzo(b)fluoranthene	15.26	252	90417	4.446	ng	# 92
88) Benzo(k)fluoranthene	15.26	252	90417	4.489	ng	95
89) Benzo(a)pyrene	15.65	252	45569	2.491	ng	94

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

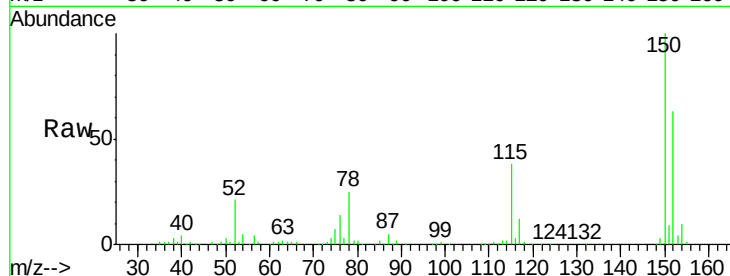


#1

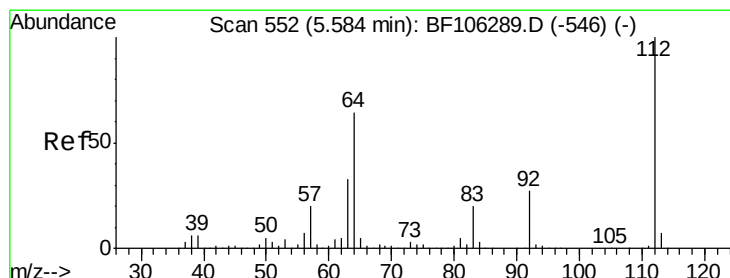
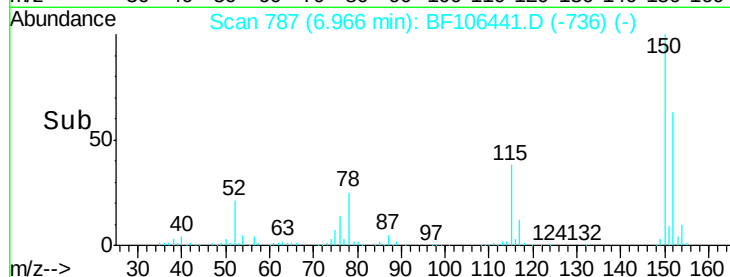
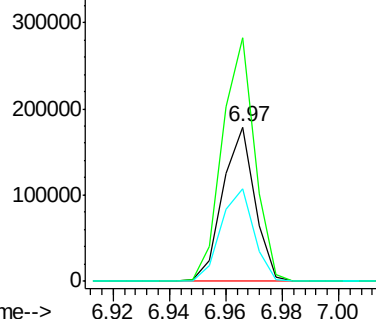
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF106441.D
Acq: 14 Jun 2018 14:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 141142
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 59.8 50.1 75.1



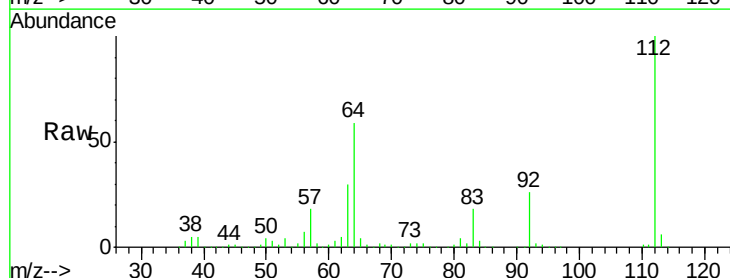
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



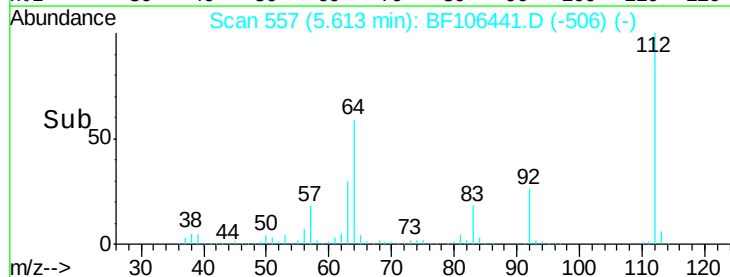
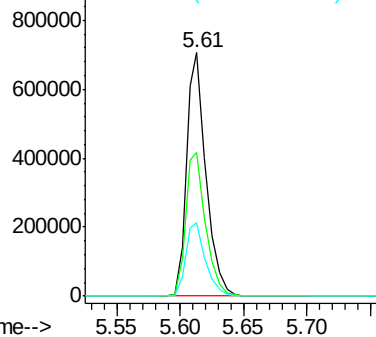
#5

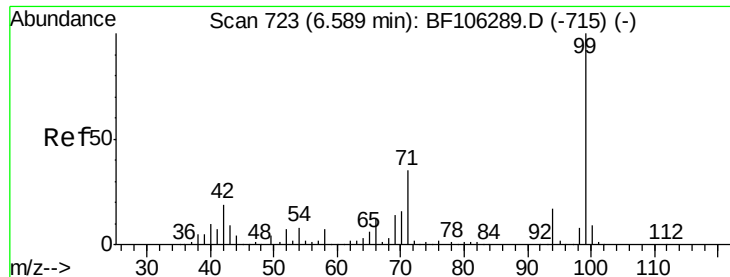
2-Fluorophenol
Concen: 90.544 ng
RT: 5.61 min Scan# 557
Delta R.T. -0.00 min
Lab File: BF106441.D
Acq: 14 Jun 2018 14:49

Tgt Ion:112 Resp: 755069
Ion Ratio Lower Upper
112 100
64 59.0 47.9 71.9
63 30.1 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: 89.636 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106441.D

Acq: 14 Jun 2018 14:49

Instrument :

BNA_F

ClientSampleId :

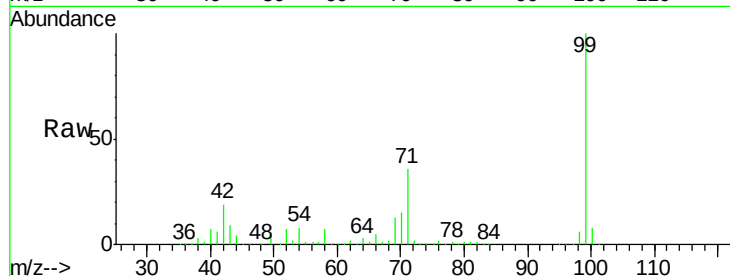
Tot Ion: 99 Resp: 944394

Ion Ratio Lower Upper

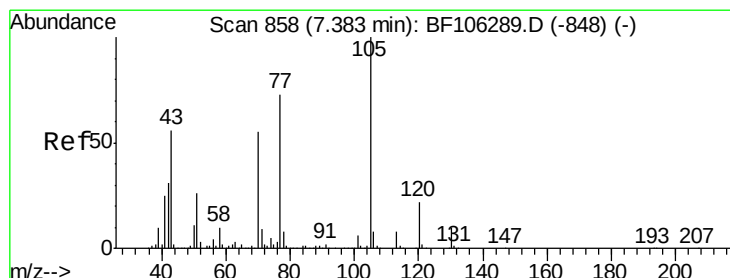
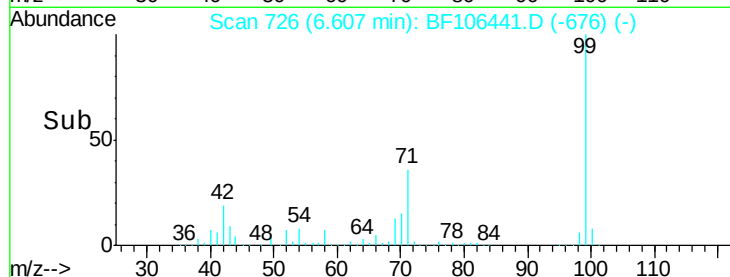
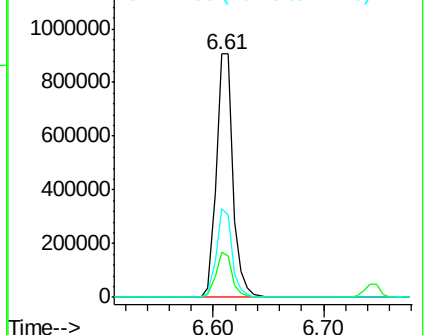
99 100

42 18.6 14.5 21.7

71 36.2 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: 10.929 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF106441.D

Acq: 14 Jun 2018 14:49

Tgt Ion: 70 Resp: 86390

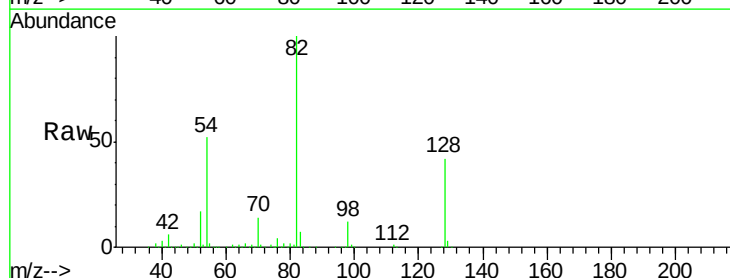
Ion Ratio Lower Upper

70 100

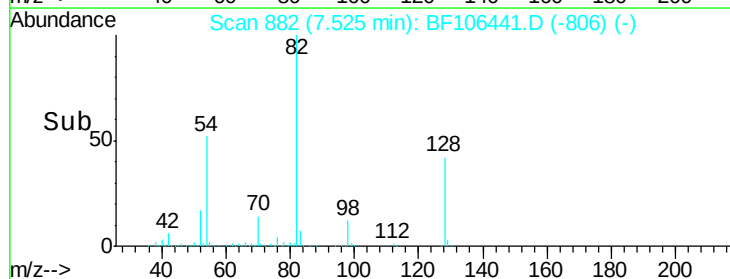
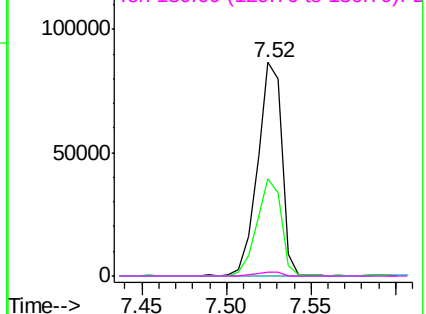
42 45.5 47.5 71.3#

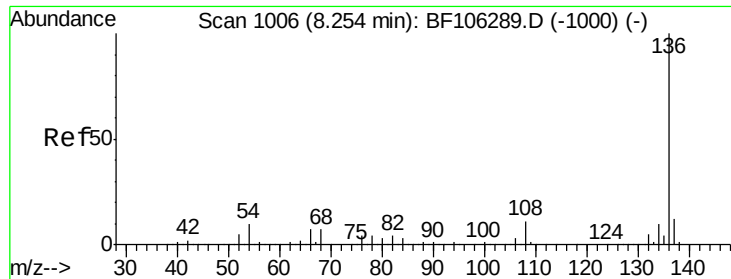
101 0.0 7.4 11.2#

130 1.7 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

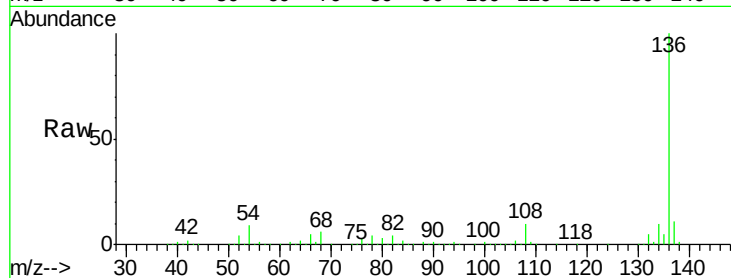




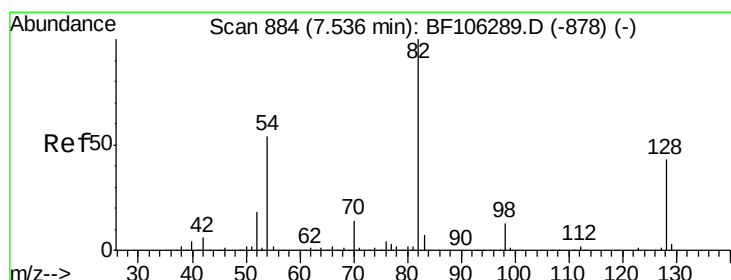
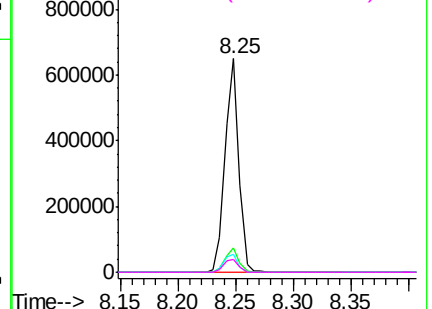
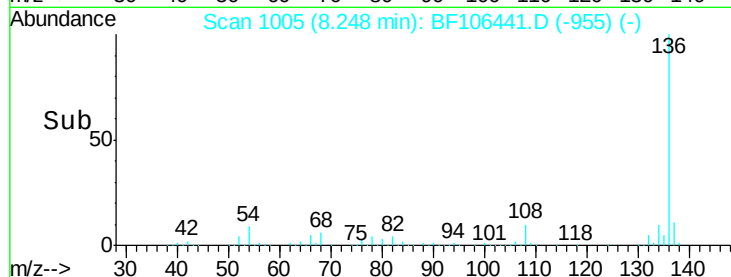
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF106441.D
Acq: 14 Jun 2018 14:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	536665
Ion Ratio	Lower	Upper
136 100		
137 11.2	8.9	13.3
54 8.5	6.6	9.8
68 6.1	5.0	7.4

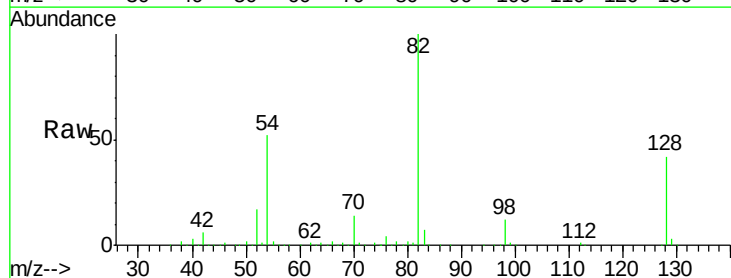


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

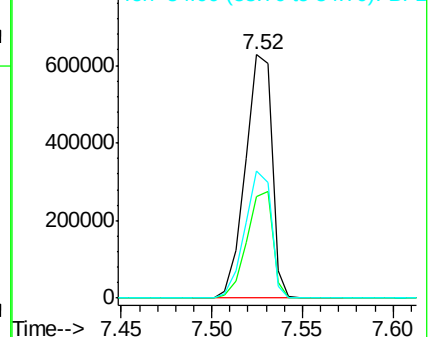
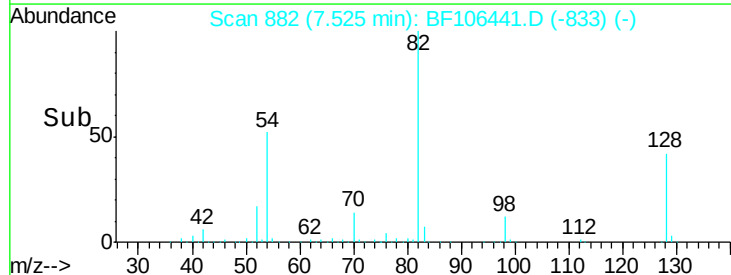


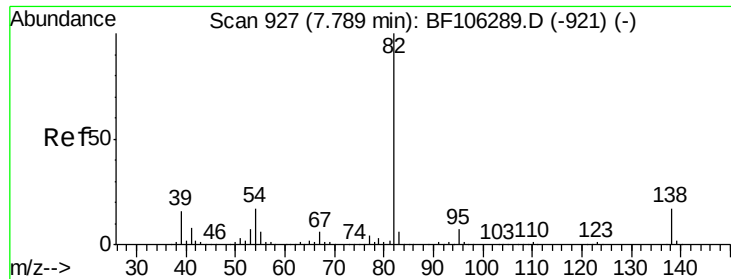
#23
Nitrobenzene-d5
Concen: 70.201 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106441.D
Acq: 14 Jun 2018 14:49

Tgt Ion: 82	Resp:	640413
Ion Ratio	Lower	Upper
82 100		
128 42.0	36.1	54.1
54 52.2	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: 35.941 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF106441.D

Acq: 14 Jun 2018 14:49

Instrument :

BNA_F

ClientSampleId :

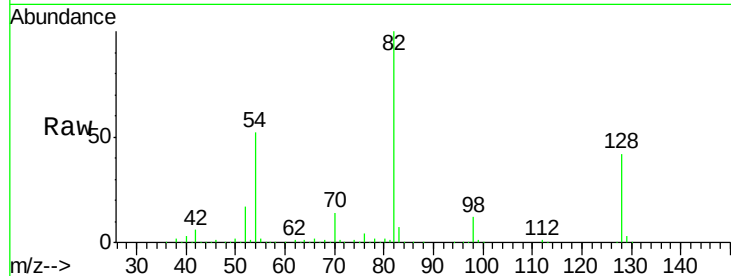
Tot Ion: 82 Resp: 640403

Ion Ratio Lower Upper

82 100

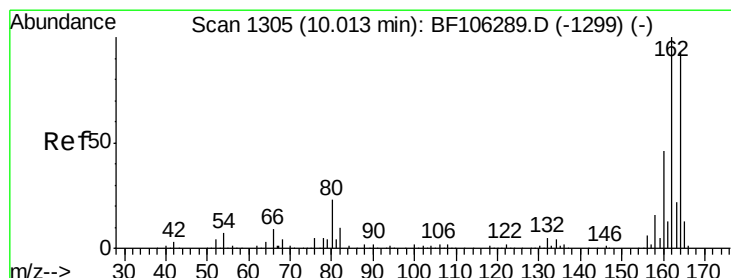
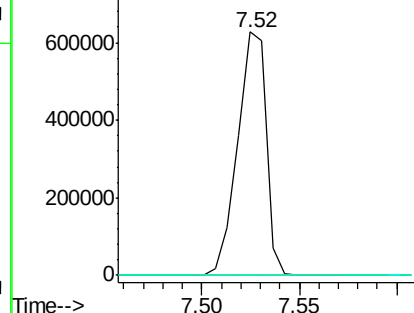
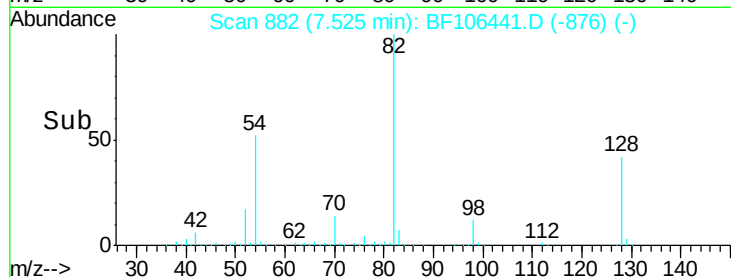
95 0.0 5.2 7.8#

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

7.52



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF106441.D

Acq: 14 Jun 2018 14:49

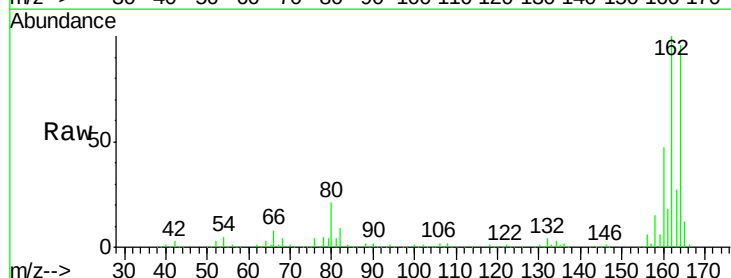
Tgt Ion: 164 Resp: 243318

Ion Ratio Lower Upper

164 100

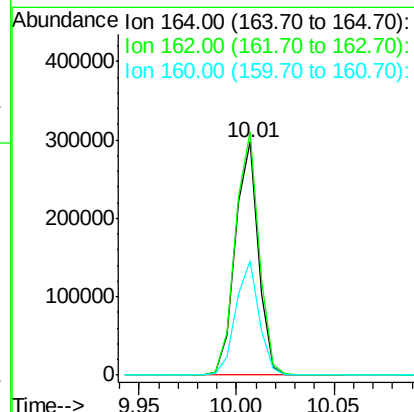
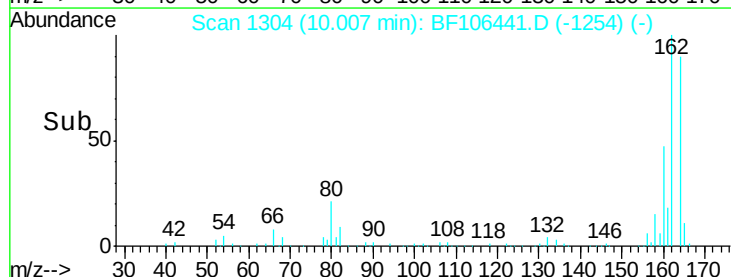
162 104.4 86.1 129.1

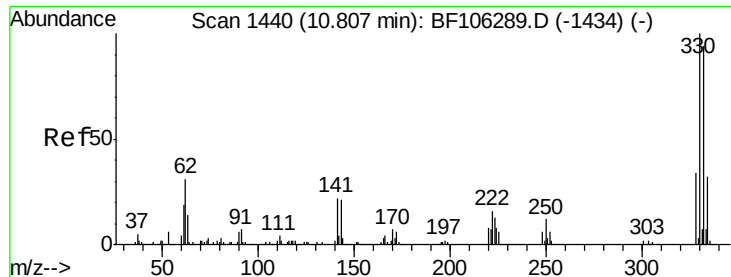
160 48.8 38.3 57.5



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

10.01

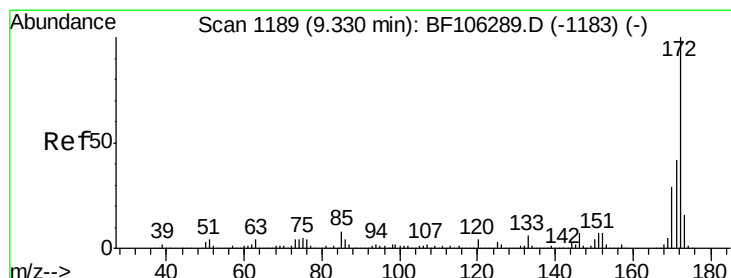
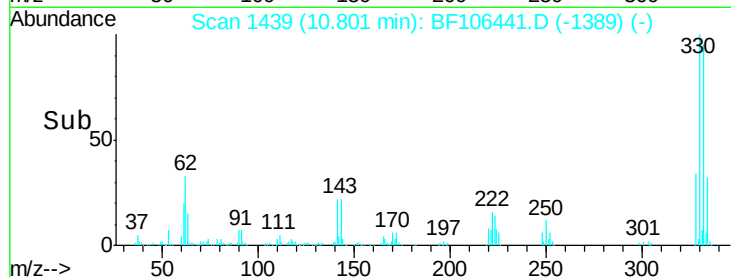
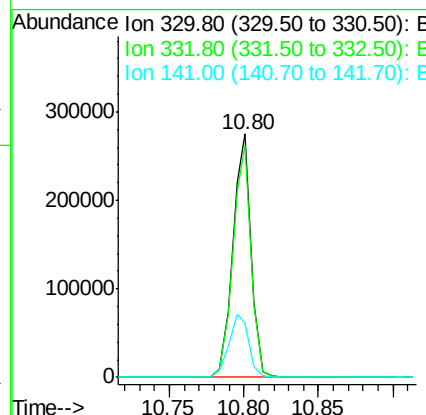
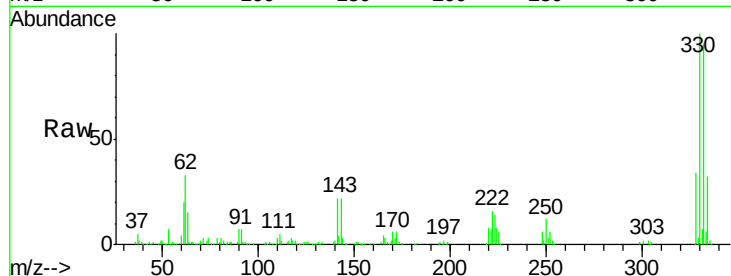




#41
 2,4,6-Tribromophenol
 Concen: 101.736 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF106441.D
 Acq: 14 Jun 2018 14:49

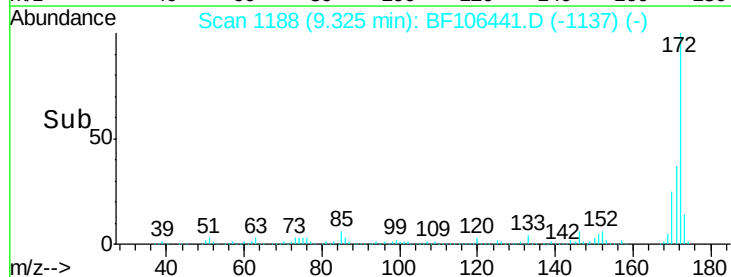
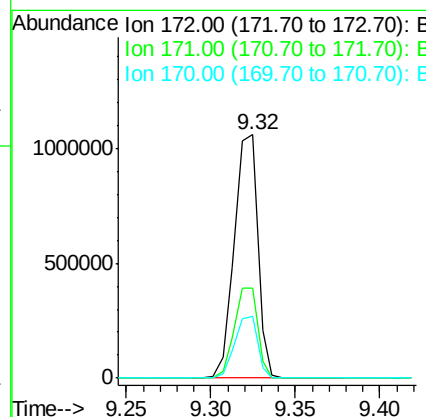
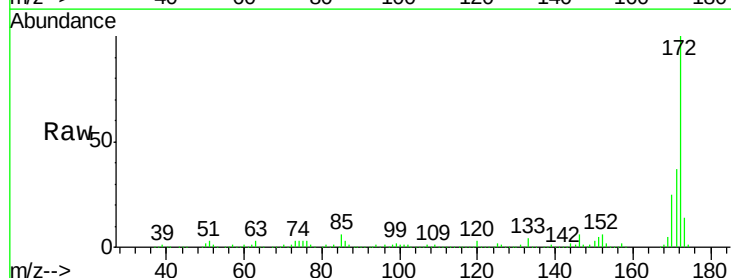
Instrument :
 BNA_F
 ClientSampleId :

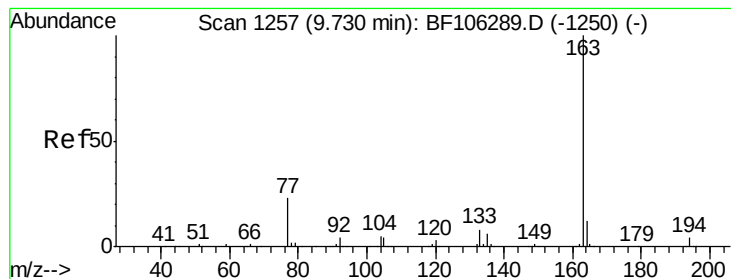
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	28.4	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 70.904 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: BF106441.D
 Acq: 14 Jun 2018 14:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.7	44.5
170	25.3	19.6	29.4





#49

Dimethylphthalate

Concen: 8.625 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.01 min

Lab File: BF106441.D

Acq: 14 Jun 2018 14:49

Instrument :

BNA_F

ClientSampled :

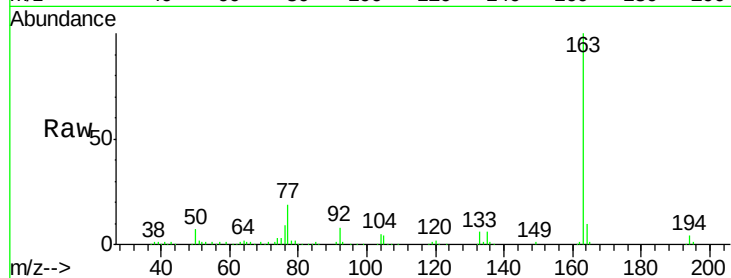
Tot Ion:163 Resp: 149941

Ion Ratio Lower Upper

163 100

194 3.9 2.7 4.1

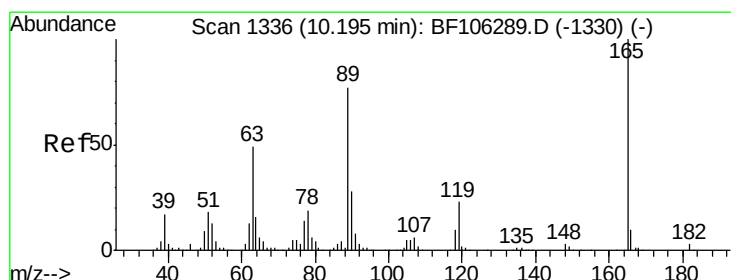
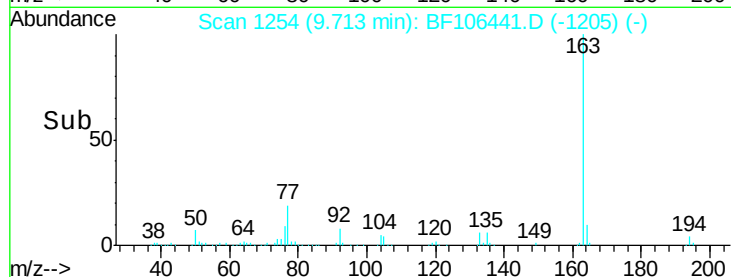
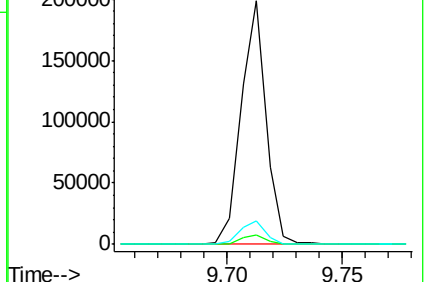
164 9.7 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.889 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.19 min

Lab File: BF106441.D

Acq: 14 Jun 2018 14:49

Tgt Ion:165 Resp: 30718

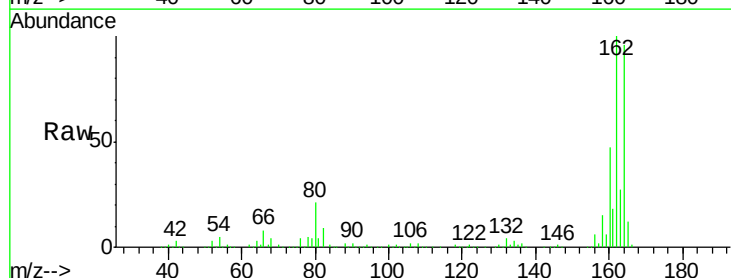
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.9 57.8 86.6#

182 0.0 1.6 2.4#

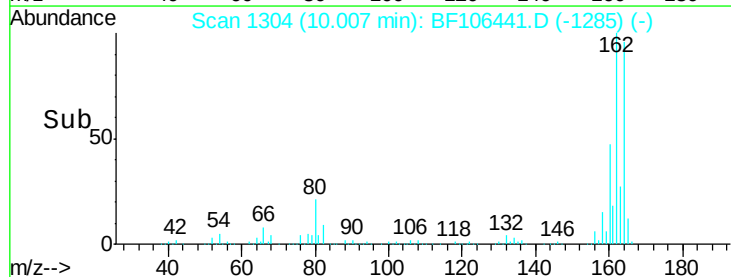
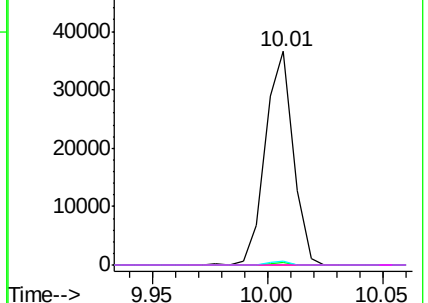


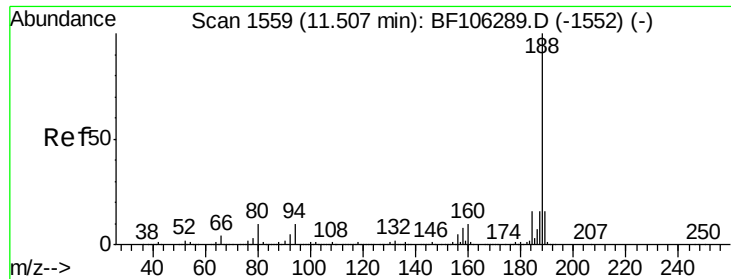
Abundance Ion 165.00 (164.70 to 165.70): E

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF106441.D

Acq: 14 Jun 2018 14:49

Instrument :

BNA_F

ClientSampleId :

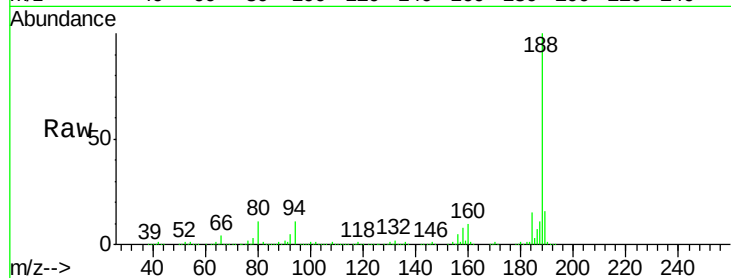
Tot Ion:188 Resp: 411040

Ion Ratio Lower Upper

188 100

94 10.6 8.5 12.7

80 11.0 9.2 13.8

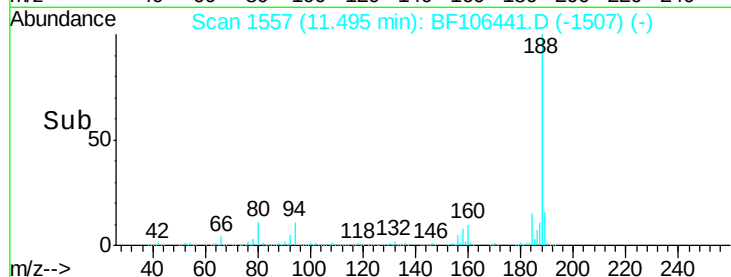


Abundance Ion 188.00 (187.70 to 188.70): E

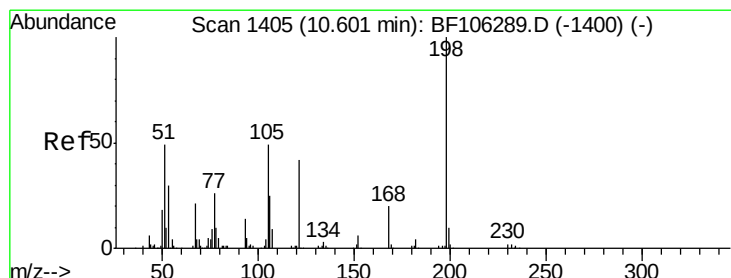
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

Time-->



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 6.512 ng

RT: 10.80 min Scan# 1438

Delta R.T. 0.19 min

Lab File: BF106441.D

Acq: 14 Jun 2018 14:49

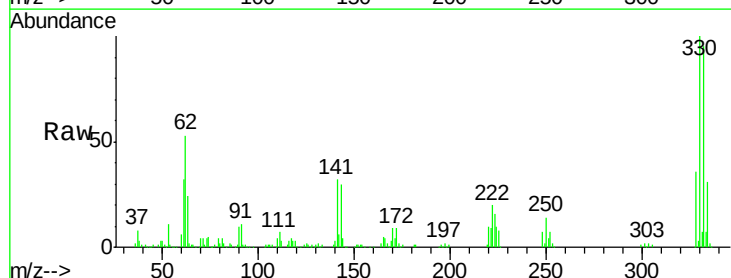
Tgt Ion:198 Resp: 554

Ion Ratio Lower Upper

198 100

51 180.2 37.7 77.7#

105 184.2 36.3 76.3#

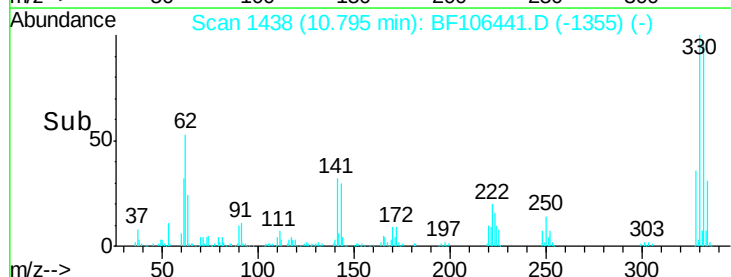


Abundance Ion 198.00 (197.70 to 198.70): E

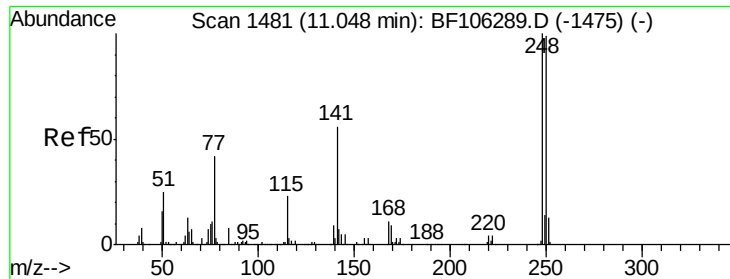
Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

Time-->



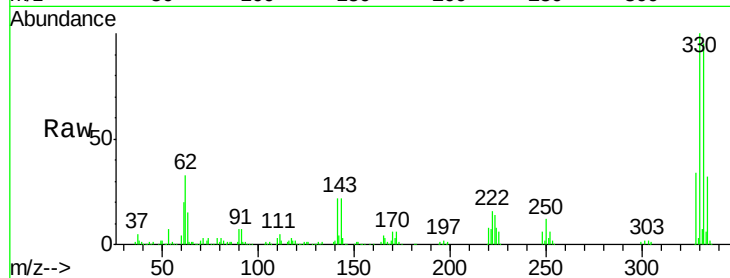
Time-->



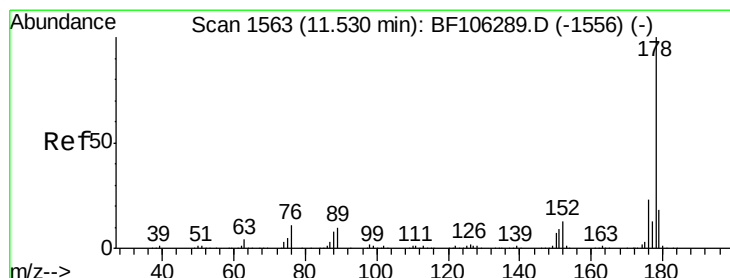
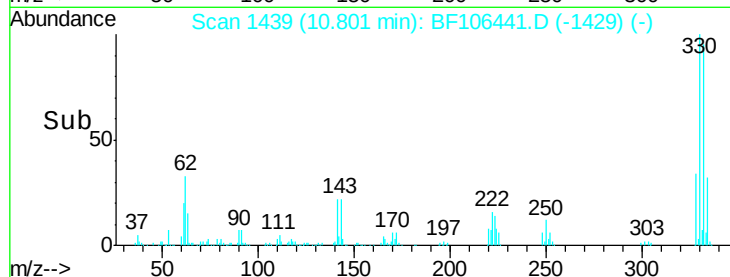
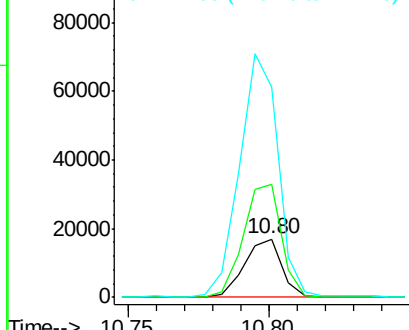
#66
4-Bromophenyl-phenylether
Concen: 3.327 ng
RT: 10.80 min Scan# 1439
Delta R.T. -0.24 min
Lab File: BF106441.D
Acq: 14 Jun 2018 14:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 15554
Ion Ratio Lower Upper
248 100
250 194.4 76.9 115.3#
141 360.4 74.4 111.6#

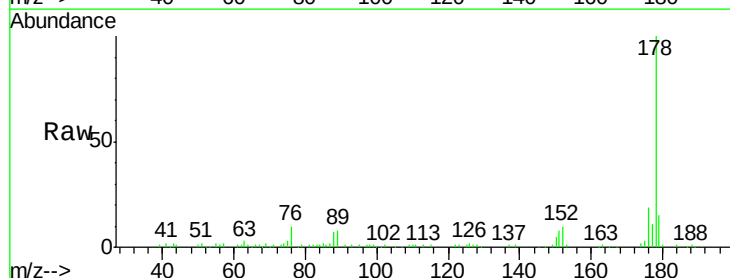


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

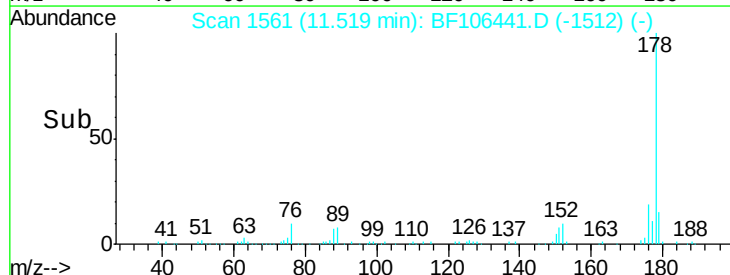
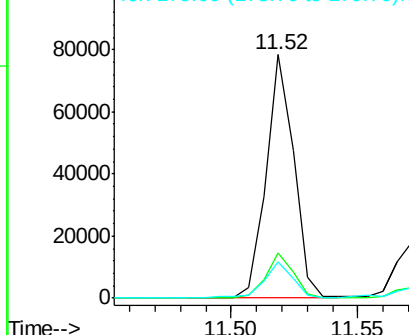


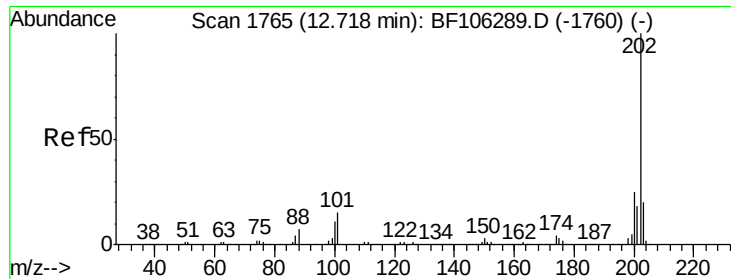
#70
Phenanthrene
Concen: 2.990 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106441.D
Acq: 14 Jun 2018 14:49

Tgt Ion:178 Resp: 60190
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 14.7 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: 4.765 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106441.D

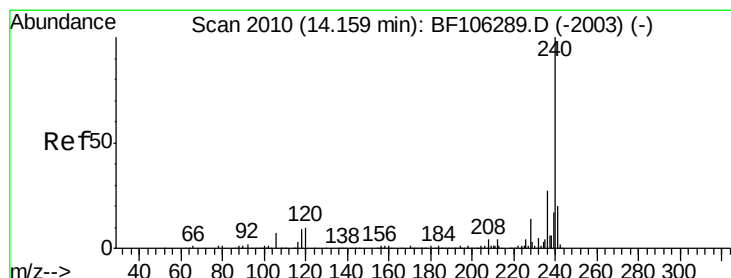
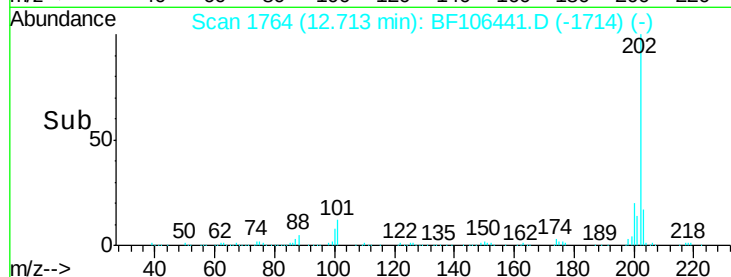
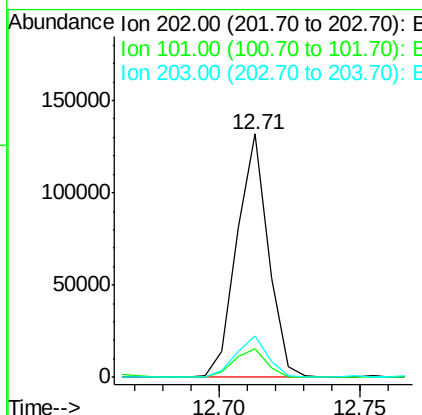
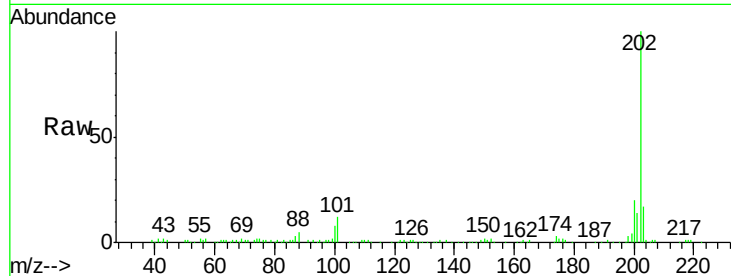
Acq: 14 Jun 2018 14:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	102304
Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	34.1
203	16.9	0.0	38.1



#75

Chrysene-d12

Concen: 20.000 ng

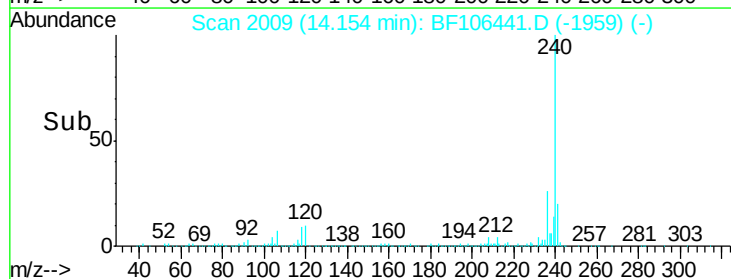
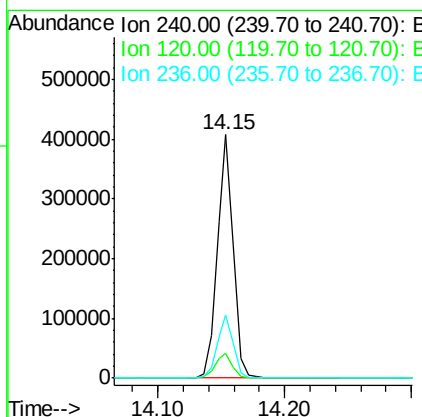
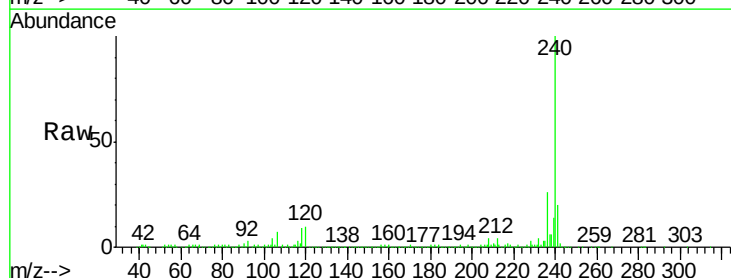
RT: 14.15 min Scan# 2009

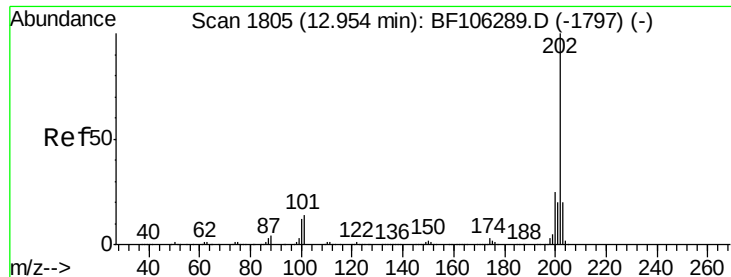
Delta R.T. -0.01 min

Lab File: BF106441.D

Acq: 14 Jun 2018 14:49

Tgt Ion:	240	Resp:	358935
Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.5	14.3
236	26.0	20.7	31.1





#77

Pvrene

Concen: 4.182 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106441.D

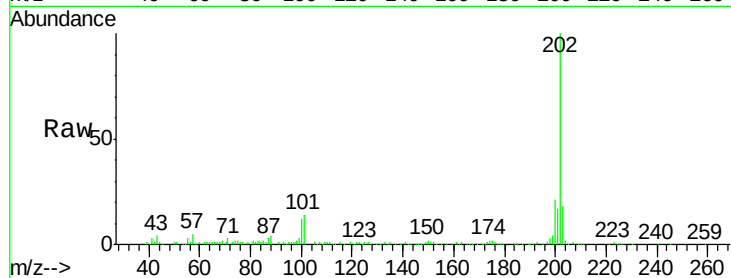
Acq: 14 Jun 2018 14:49

Instrument :

BNA_F

ClientSampled :

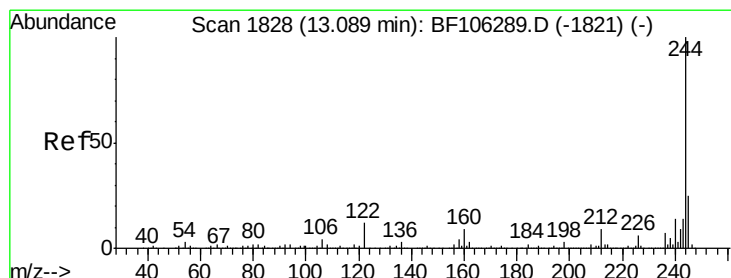
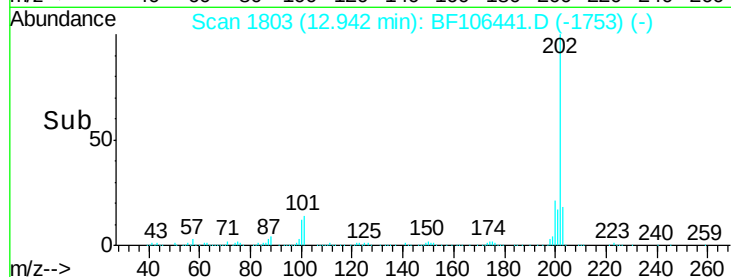
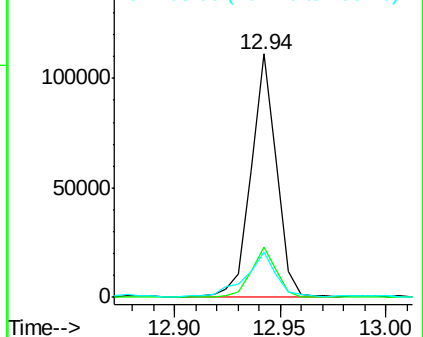
Tot Ion:	202	Resp:	93970
Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	18.3	14.3	21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 59.894 ng

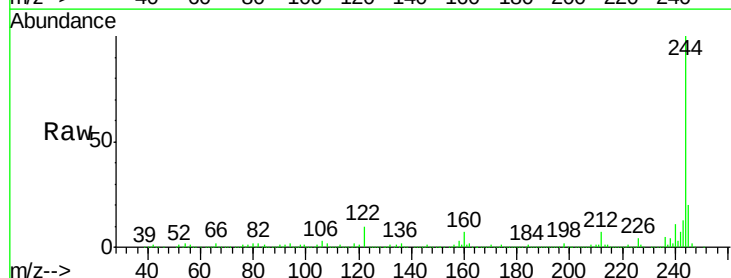
RT: 13.08 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF106441.D

Acq: 14 Jun 2018 14:49

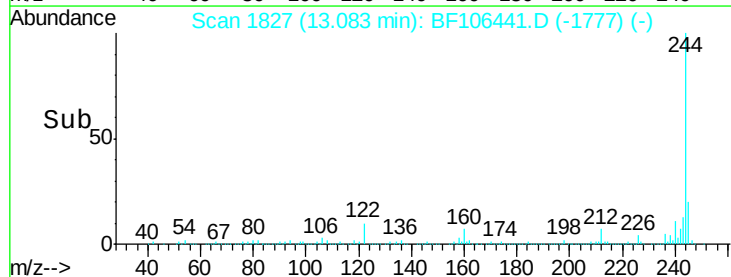
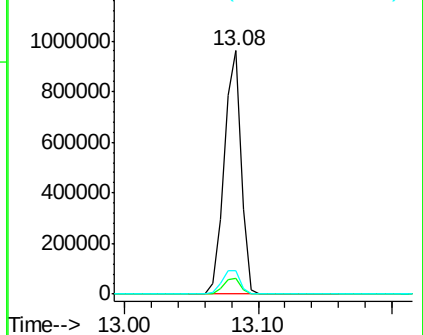
Tgt Ion:	244	Resp:	865536
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	9.7	11.0	16.4#

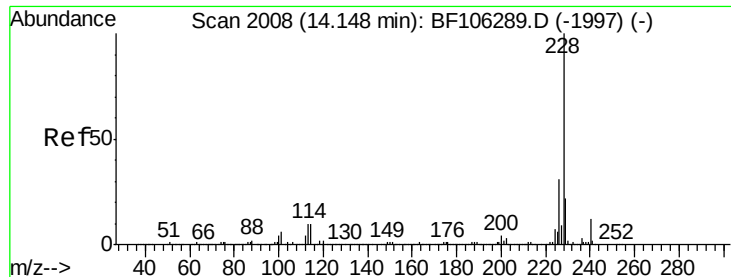


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

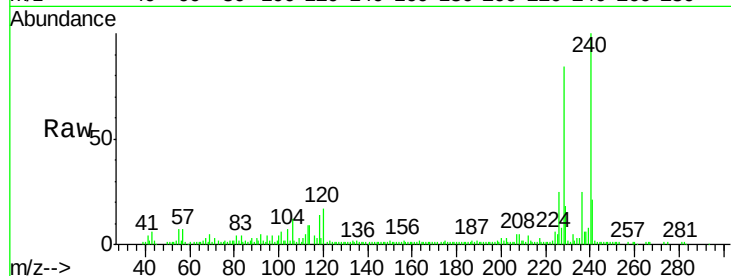




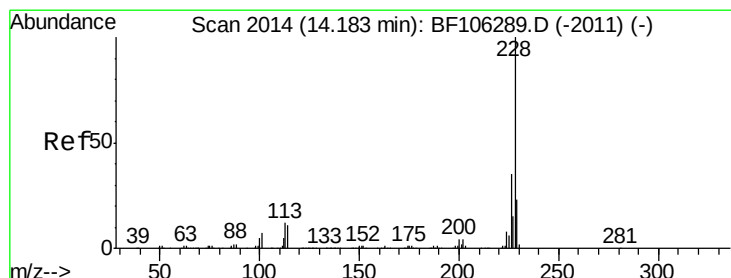
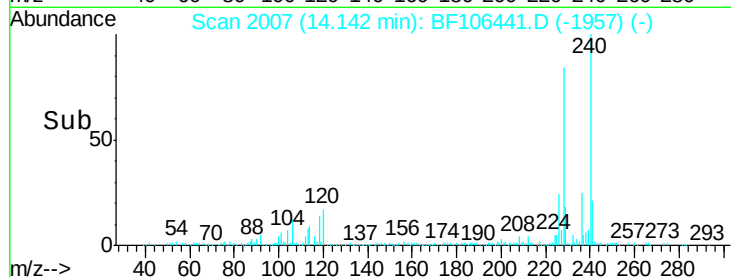
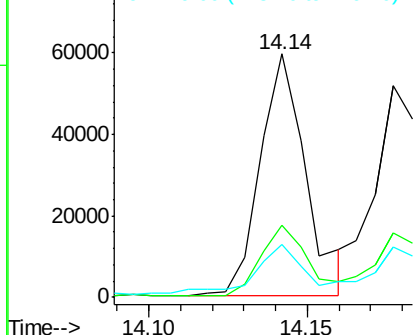
#80
Benzo(a)anthracene
Concen: 2.801 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF106441.D
Acq: 14 Jun 2018 14:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	21.7	15.8	23.6

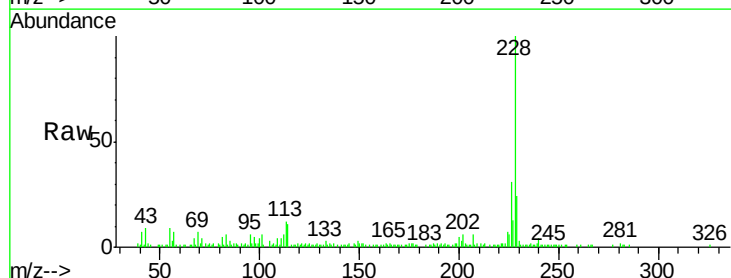


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

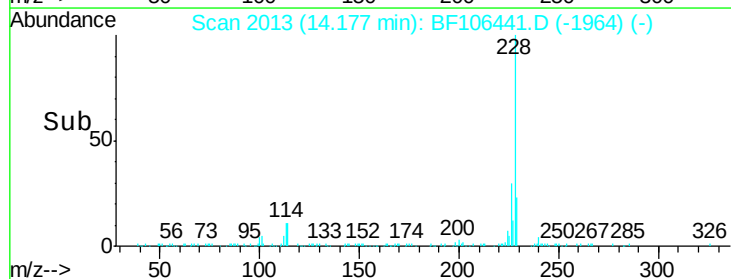
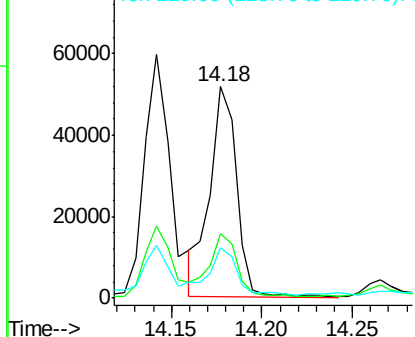


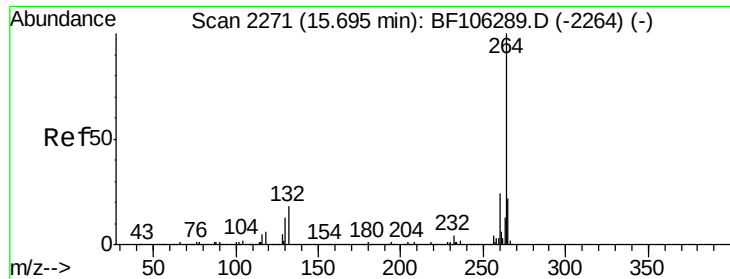
#82
Chrysene
Concen: 2.760 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF106441.D
Acq: 14 Jun 2018 14:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	23.6	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

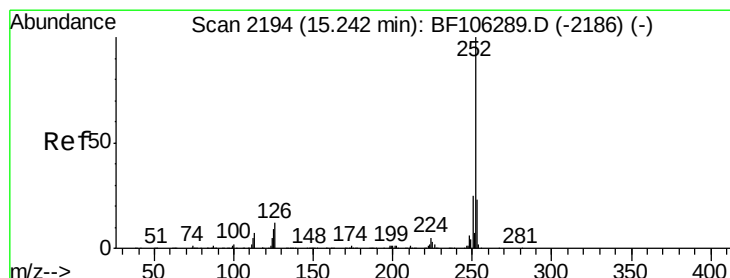
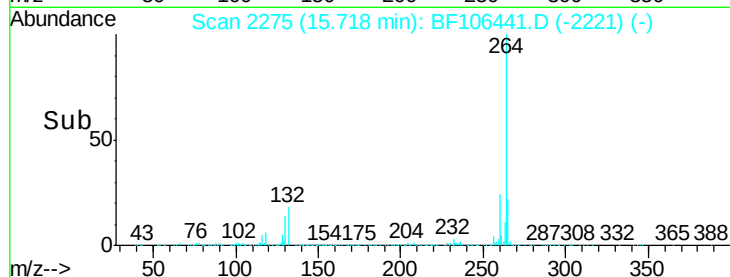
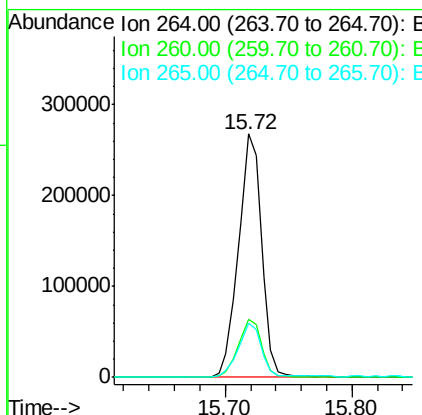
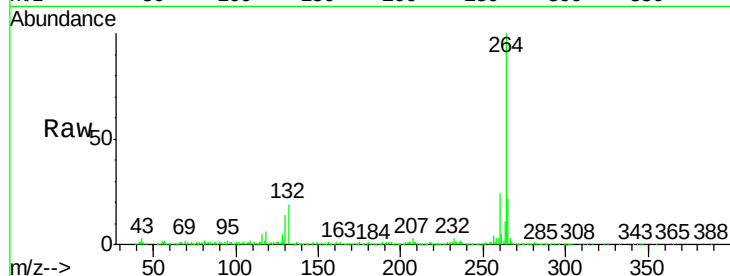




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.72 min Scan# 2275
Delta R.T. 0.02 min
Lab File: BF106441.D
Acq: 14 Jun 2018 14:49

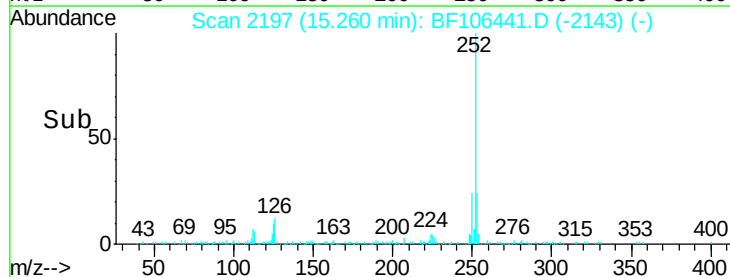
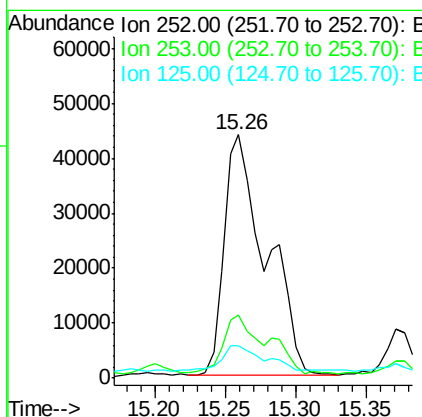
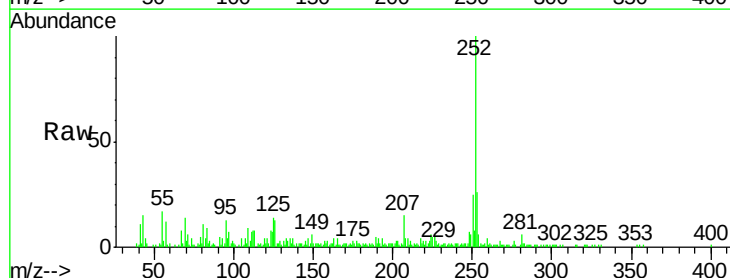
Instrument :
BNA_F
ClientSampleId :

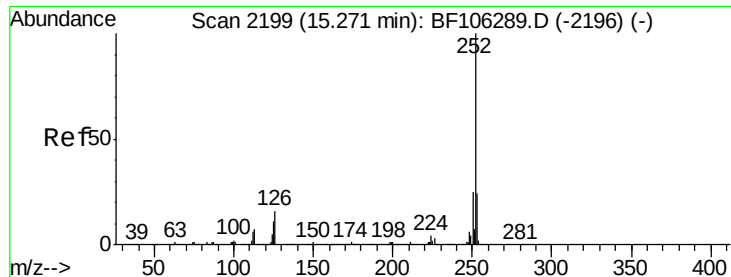
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.3	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 4.446 ng
RT: 15.26 min Scan# 2197
Delta R.T. 0.02 min
Lab File: BF106441.D
Acq: 14 Jun 2018 14:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.0	25.6#
125	13.6	9.0	13.6#

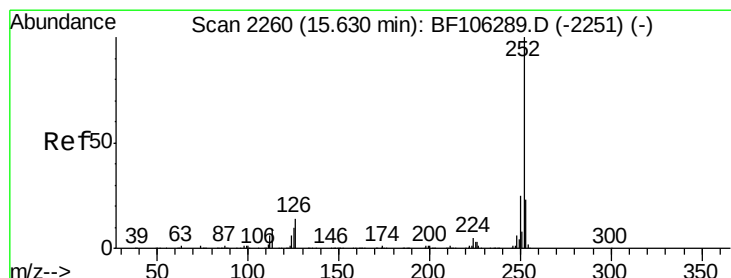
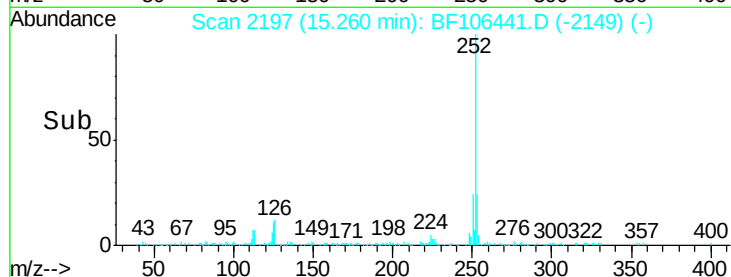
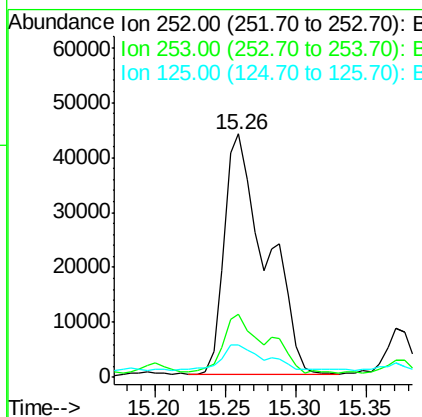
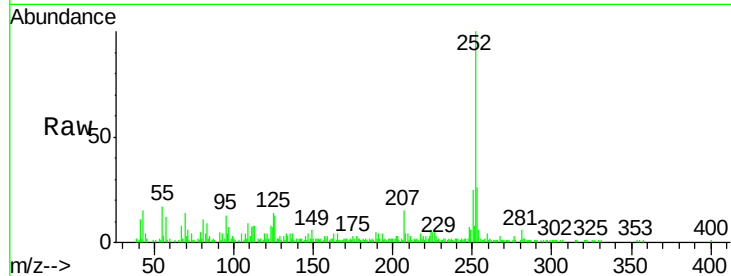




#88
Benzo(k)fluoranthene
Concen: 4.489 ng
RT: 15.26 min Scan# 2197
Delta R.T. -0.02 min
Lab File: BF106441.D
Acq: 14 Jun 2018 14:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.9	26.9
125	13.6	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.491 ng
RT: 15.65 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF106441.D
Acq: 14 Jun 2018 14:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	14.1	9.8	14.6

