

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061518\
 Data File : BF106492.D
 Acq On : 15 Jun 2018 15:28
 Operator : JU/SJ
 Sample : J3471-04RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 #2

Quant Time: Jun 15 22:57:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 15 11:11:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	113186	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	410916	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	176798	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	289974	20.00	ng	0.00
75) Chrysene-d12	14.15	240	303105	20.00	ng	0.00
86) Perylene-d12	15.71	264	241878	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	615728	92.07	ng	0.00
7) Phenol-d6	6.61	99	740610	87.66	ng	0.00
23) Nitrobenzene-d5	7.52	82	486648	69.67	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	159768	93.92	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	757494	72.53	ng	0.00
78) Terphenyl-d14	13.08	244	649752	53.24	ng	0.00

Target Compounds

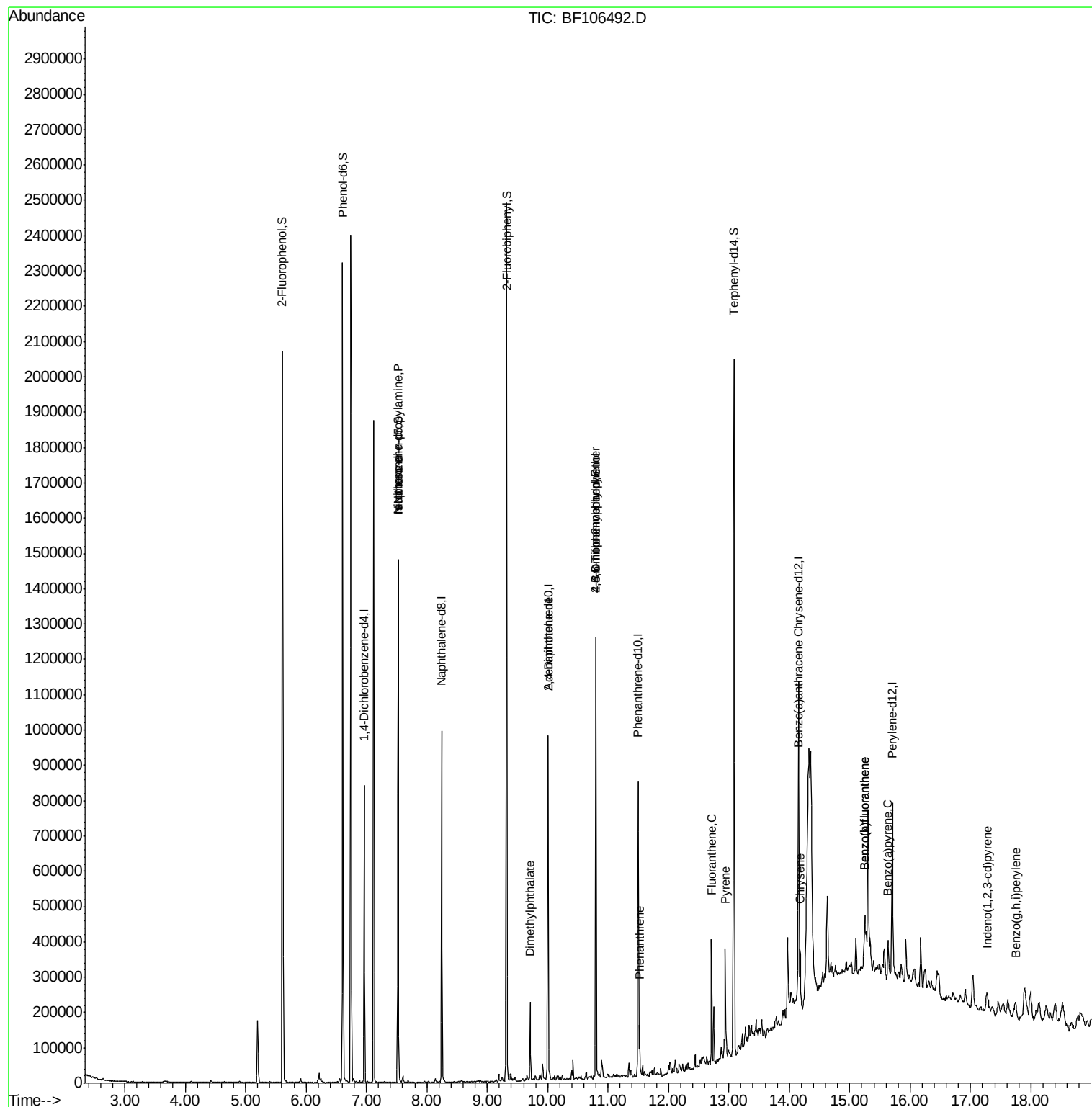
						Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	65361	10.311	ng	# 77
25) Isophorone	7.52	82	486642	35.669	ng	# 64
49) Dimethylphthalate	9.71	163	78842	6.242	ng	99
56) 2,4-Dinitrotoluene	10.01	165	22010	6.793	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	138	6.371	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	10482	3.178	ng	# 1
70) Phenanthrene	11.52	178	47907	3.373	ng	98
74) Fluoranthene	12.71	202	121542	8.025	ng	96
77) Pyrene	12.94	202	120397	6.345	ng	99
80) Benzo(a)anthracene	14.14	228	67850	3.762	ng	95
82) Chrysene	14.18	228	69240	4.204	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	27252	2.073	ng	# 88
87) Benzo(b)fluoranthene	15.25	252	101996	6.976	ng	# 91
88) Benzo(k)fluoranthene	15.25	252	101996	7.044	ng	94
89) Benzo(a)pyrene	15.64	252	51128	3.888	ng	96
91) Benzo(g,h,i)perylene	17.75	276	29691	2.787	ng	95

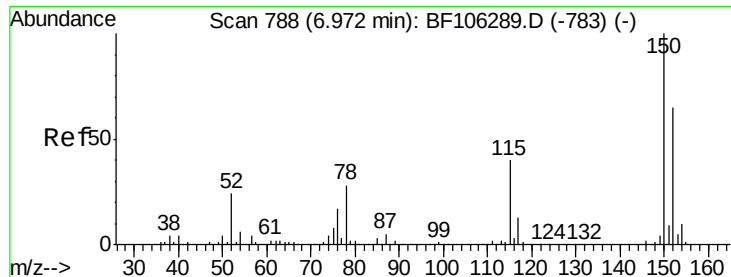
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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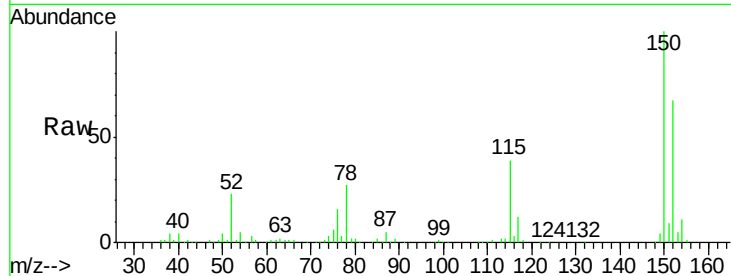




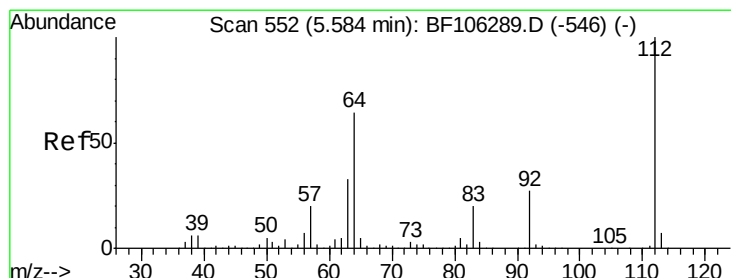
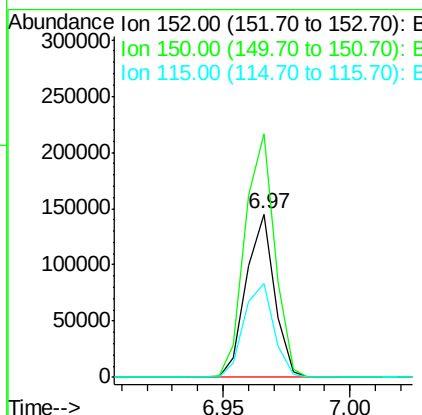
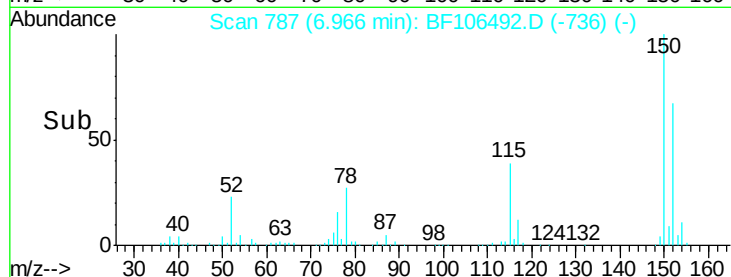
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: BF106492.D
 Acq: 15 Jun 2018 15:28

Instrument :
 BNA_F
 ClientSampleId :
 #2

Tgt Ion:152 Resp: 113186
 Ion Ratio Lower Upper
 152 100
 150 148.9 124.6 186.8
 115 57.4 50.1 75.1

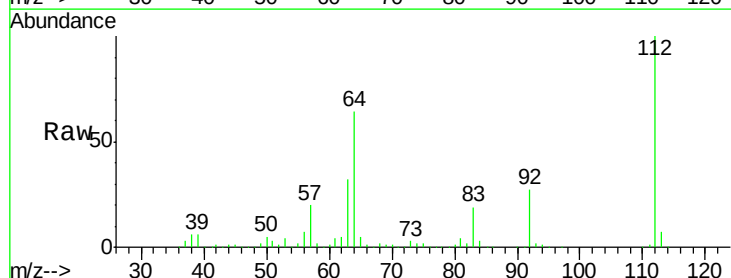


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

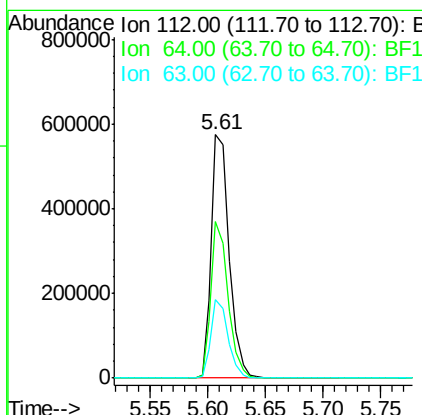
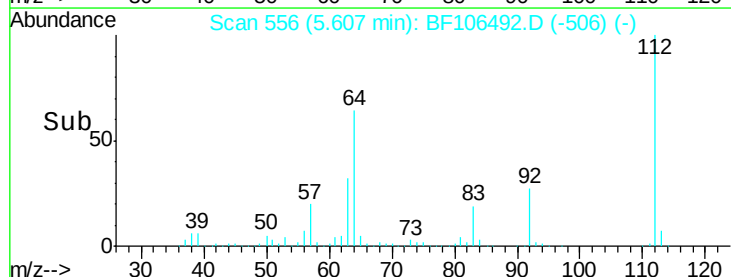


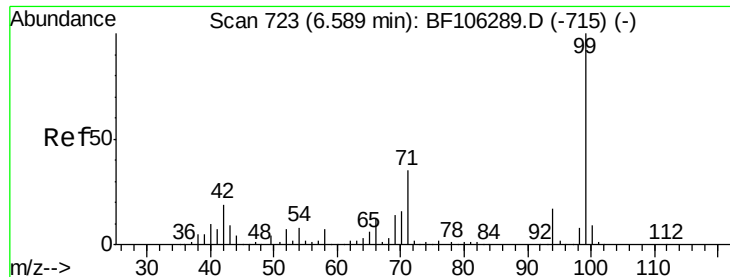
#5
 2-Fluorophenol
 Concen: 92.071 ng
 RT: 5.61 min Scan# 556
 Delta R.T. -0.01 min
 Lab File: BF106492.D
 Acq: 15 Jun 2018 15:28

Tgt Ion:112 Resp: 615728
 Ion Ratio Lower Upper
 112 100
 64 64.2 47.9 71.9
 63 32.5 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: 87.656 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106492.D

Acq: 15 Jun 2018 15:28

Instrument :

BNA_F

ClientSampled :

#2

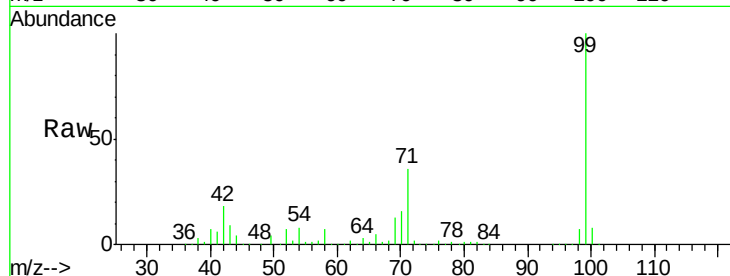
Tgt Ion: 99 Resp: 740610

Ion Ratio Lower Upper

99 100

42 18.2 14.5 21.7

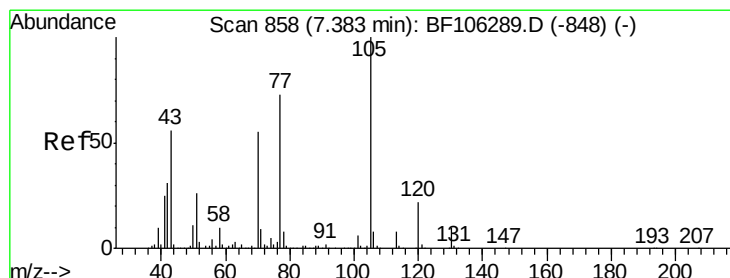
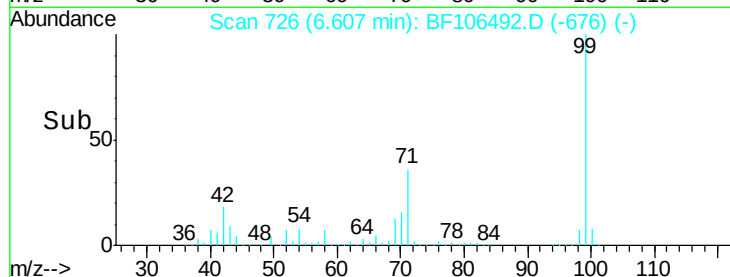
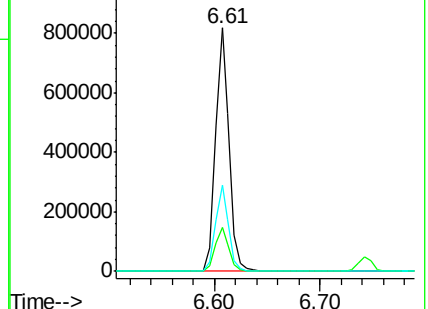
71 35.6 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 10.311 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF106492.D

Acq: 15 Jun 2018 15:28

Tgt Ion: 70 Resp: 65361

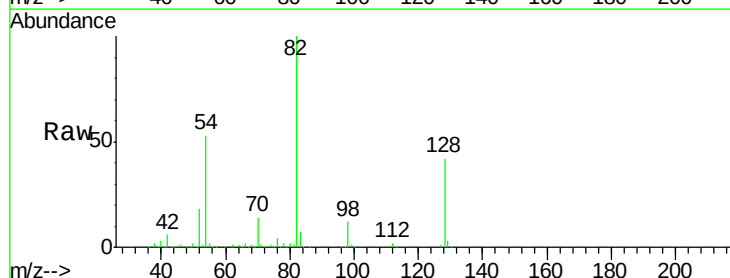
Ion Ratio Lower Upper

70 100

42 46.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

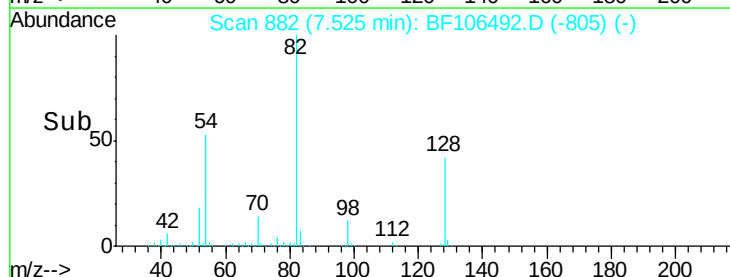
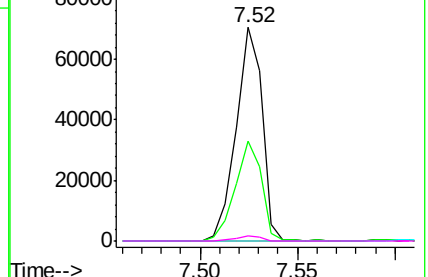


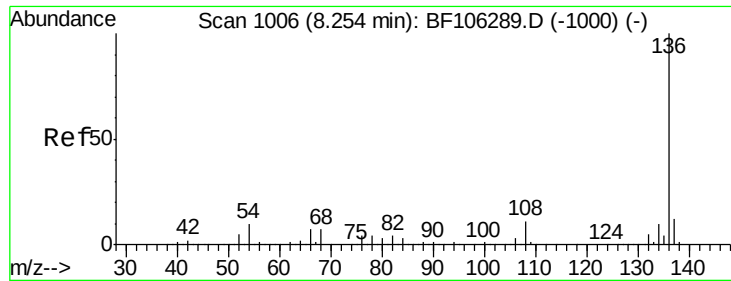
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

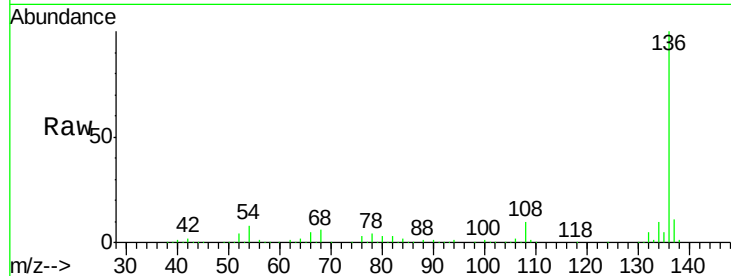




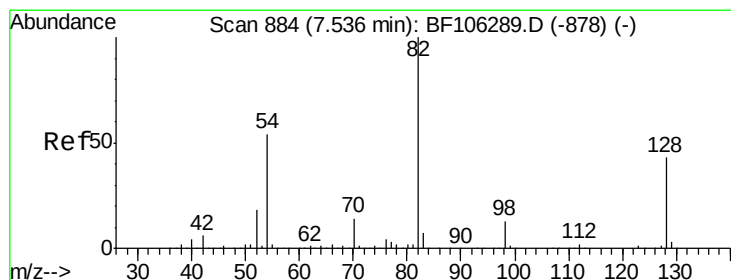
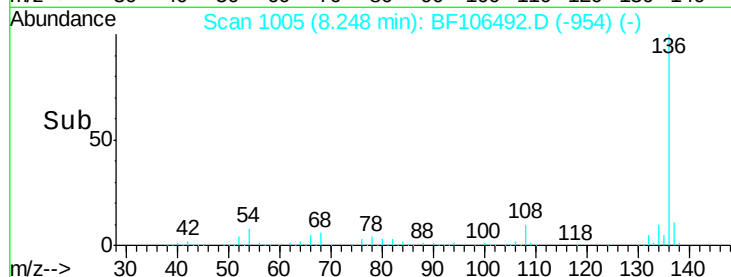
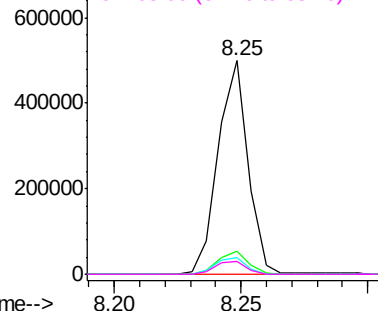
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF106492.D
Acq: 15 Jun 2018 15:28

Instrument :
BNA_F
ClientSampleId :
#2

Tgt Ion:	136	Resp:	410916
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	8.0	6.6	9.8
68	6.1	5.0	7.4

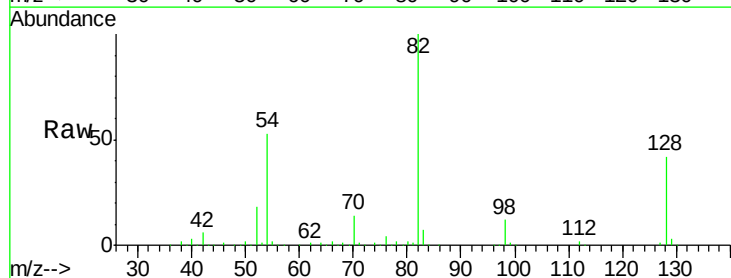


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

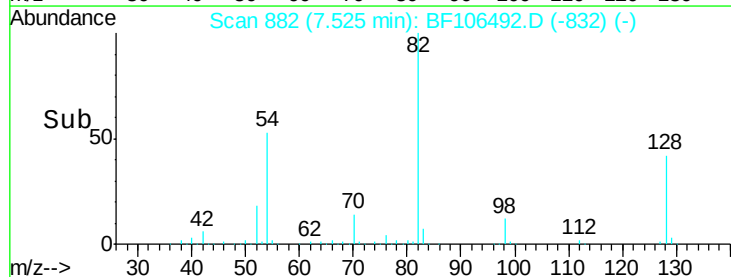
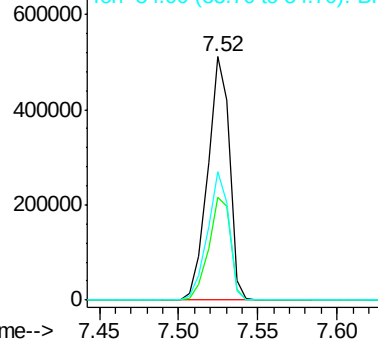


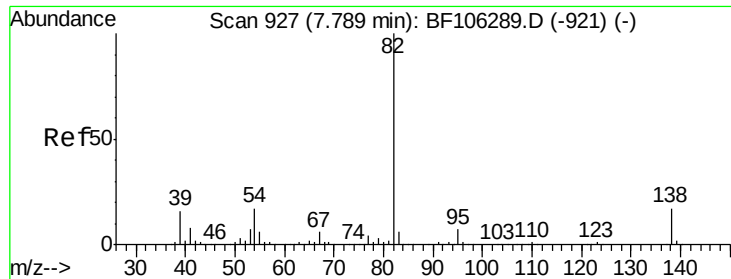
#23
Nitrobenzene-d5
Concen: 69.671 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106492.D
Acq: 15 Jun 2018 15:28

Tgt Ion:	82	Resp:	486648
Ion	Ratio	Lower	Upper
82	100		
128	42.0	36.1	54.1
54	52.8	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: 35.669 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF106492.D

Acq: 15 Jun 2018 15:28

Instrument :

BNA_F

ClientSampleId :

#2

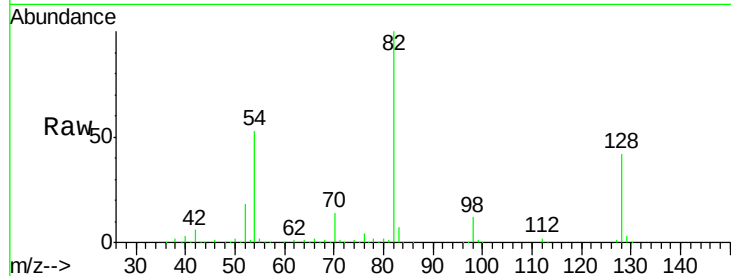
Tgt Ion: 82 Resp: 486642

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

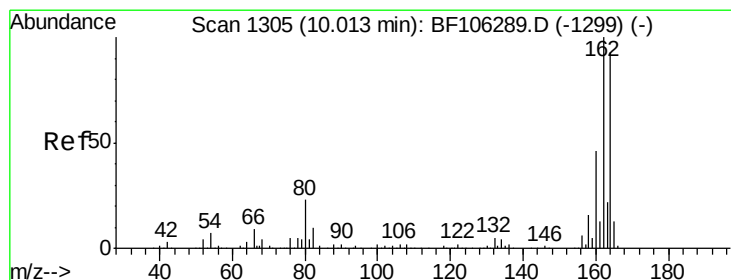
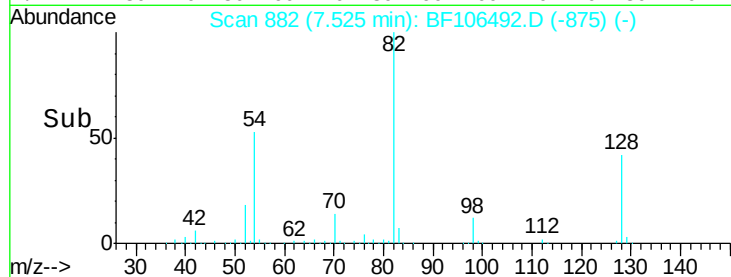
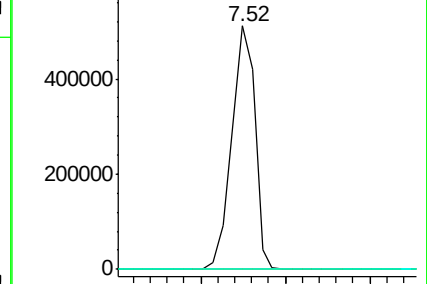
138 0.0 14.9 22.3#



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# 1304

Delta R.T. 0.00 min

Lab File: BF106492.D

Acq: 15 Jun 2018 15:28

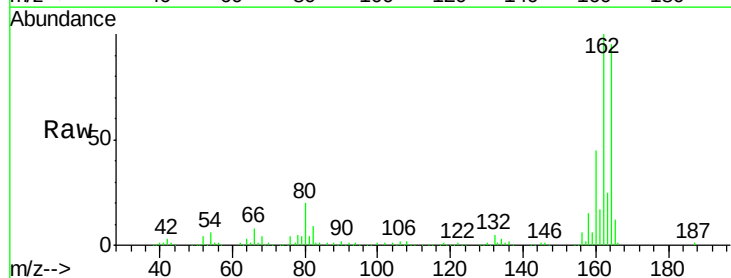
Tgt Ion: 164 Resp: 176798

Ion Ratio Lower Upper

164 100

162 104.9 86.1 129.1

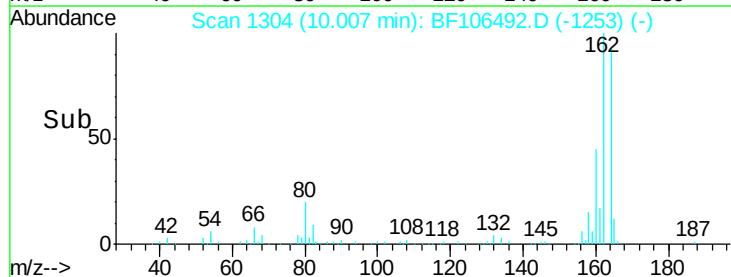
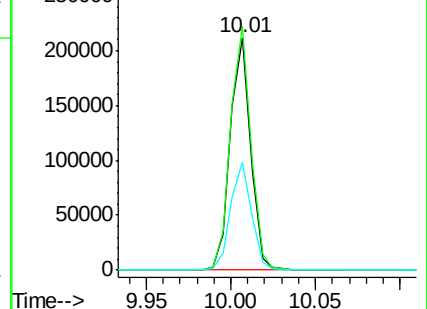
160 46.7 38.3 57.5

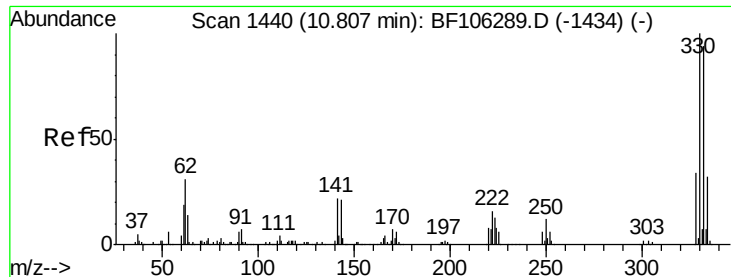


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

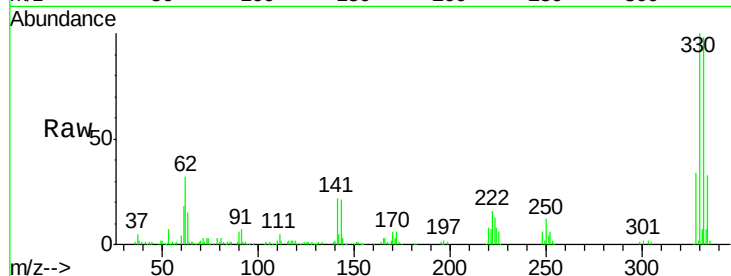




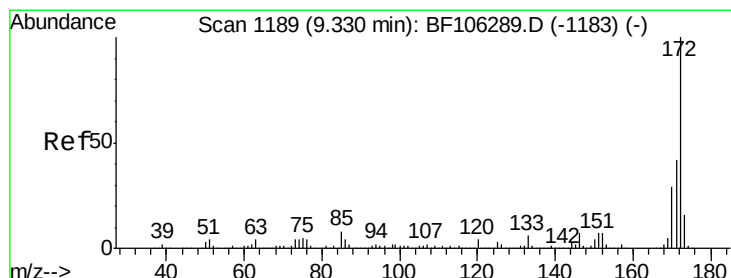
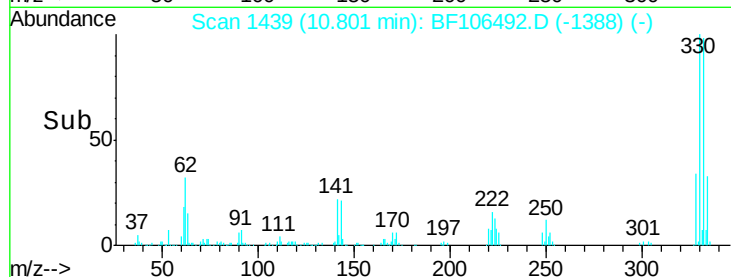
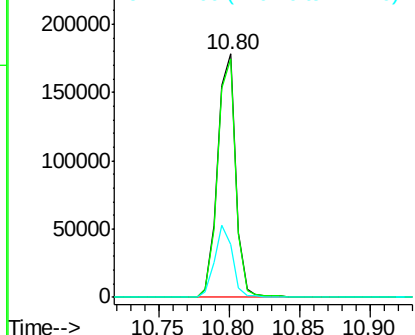
#41
 2,4,6-Tribromophenol
 Concen: 93.920 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF106492.D
 Acq: 15 Jun 2018 15:28

Instrument :
 BNA_F
 ClientSampleId :
 #2

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	29.2	29.9	44.9#

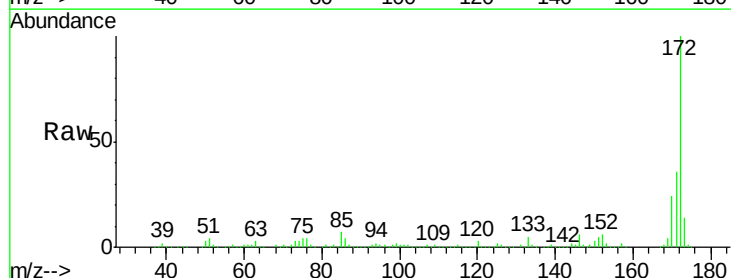


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

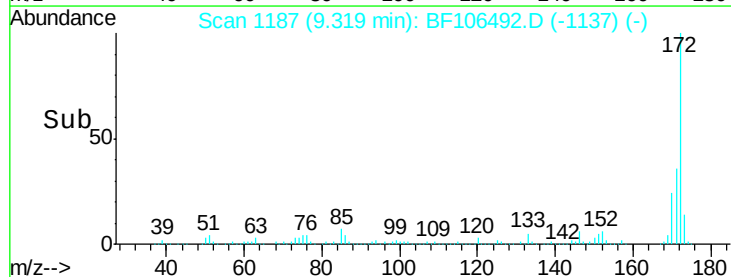
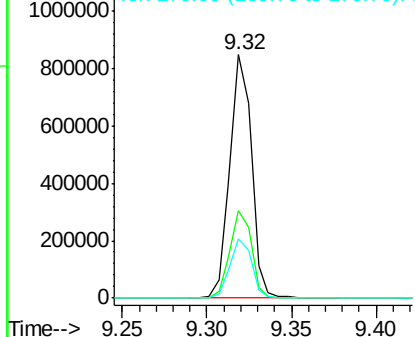


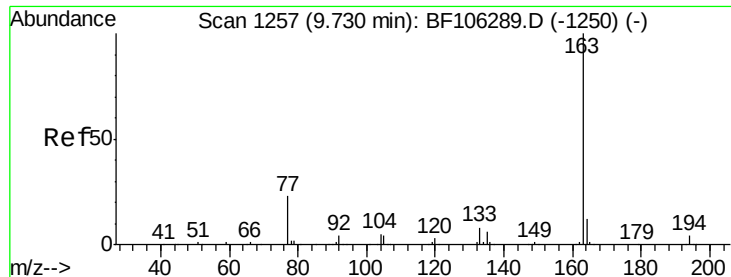
#44
 2-Fluorobiphenyl
 Concen: 72.532 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106492.D
 Acq: 15 Jun 2018 15:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.5	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

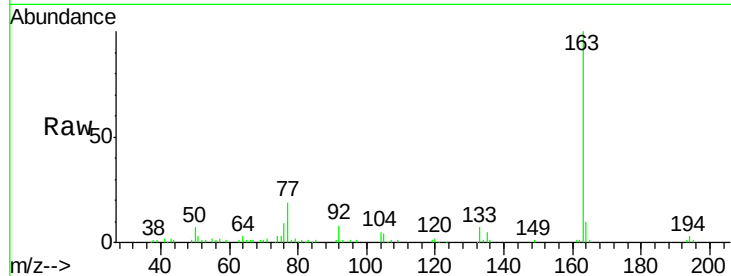




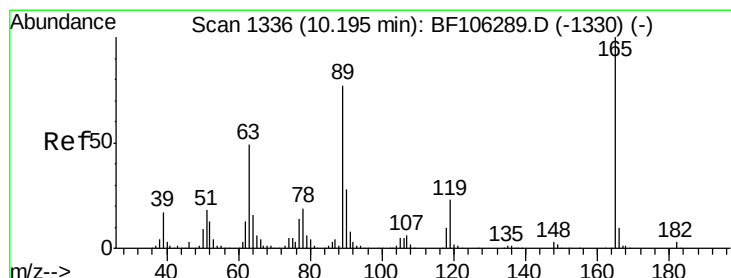
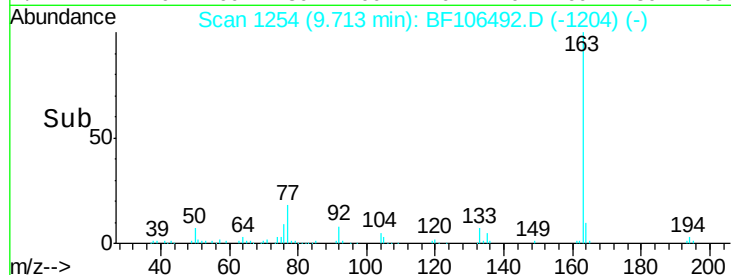
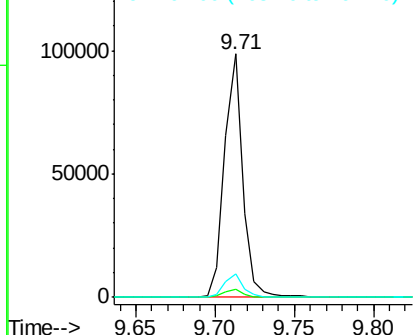
#49
Dimethylphthalate
Concen: 6.242 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BF106492.D
Acq: 15 Jun 2018 15:28

Instrument :
BNA_F
ClientSampled :
#2

Tgt Ion:163 Resp: 78842
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.8 8.2 12.2

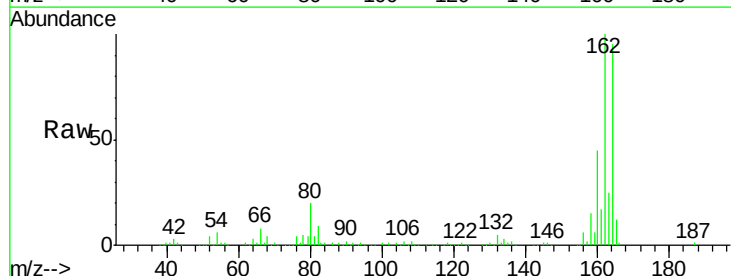


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

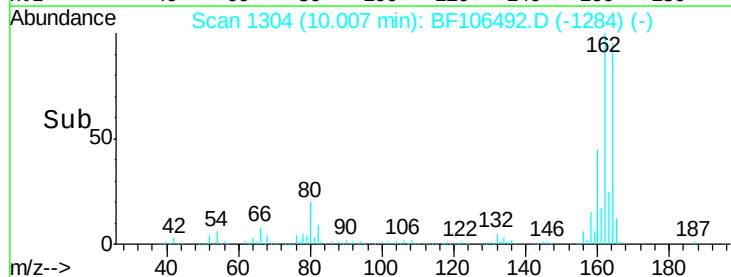
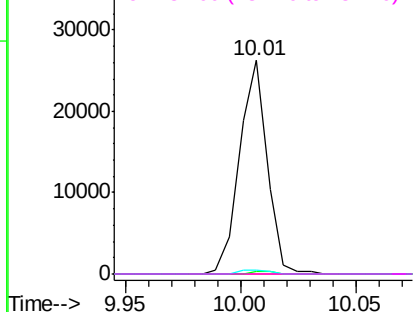


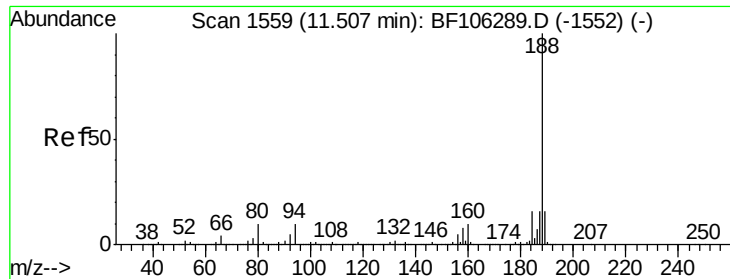
#56
2,4-Dinitrotoluene
Concen: 6.793 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.18 min
Lab File: BF106492.D
Acq: 15 Jun 2018 15:28

Tgt Ion:165 Resp: 22010
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 1.6 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: 11.49 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF106492.D

Acq: 15 Jun 2018 15:28

Instrument :

BNA_F

ClientSampled :

#2

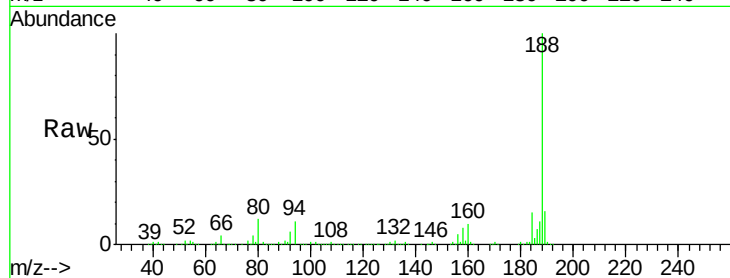
Tgt Ion:188 Resp: 289974

Ion Ratio Lower Upper

188 100

94 10.6 8.5 12.7

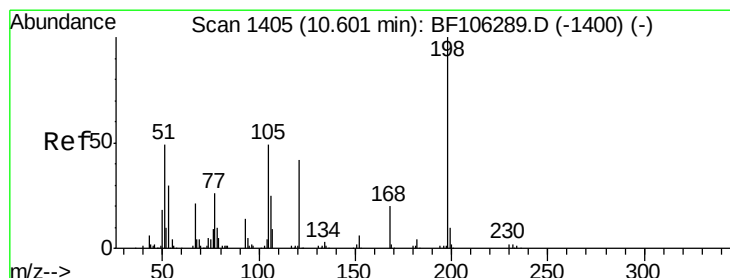
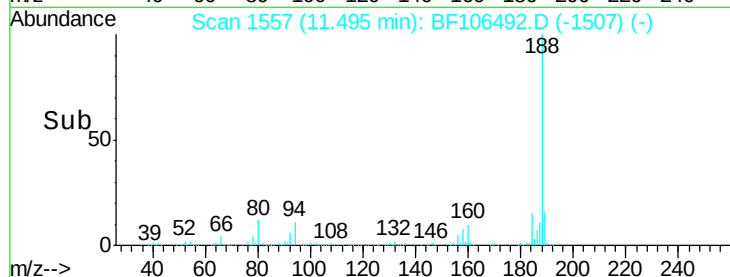
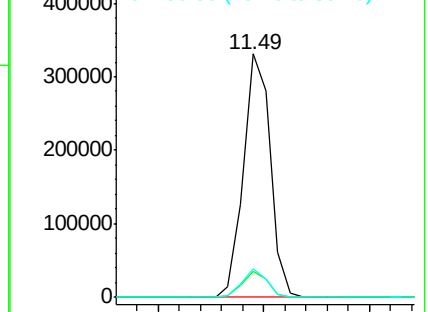
80 11.8 9.2 13.8



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: 6.371 ng

RT: 10.80 min Scan# 1438

Delta R.T. 0.19 min

Lab File: BF106492.D

Acq: 15 Jun 2018 15:28

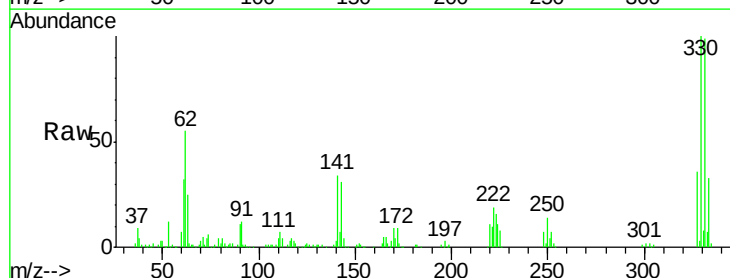
Tgt Ion:198 Resp: 138

Ion Ratio Lower Upper

198 100

51 159.6 37.7 77.7#

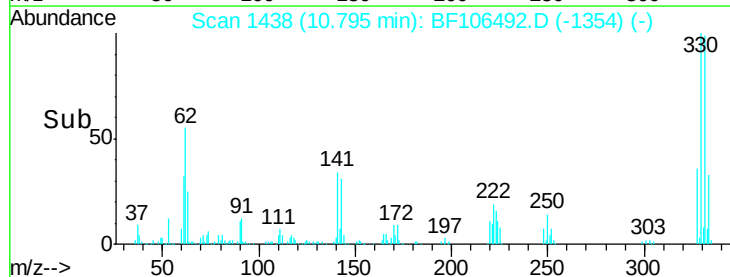
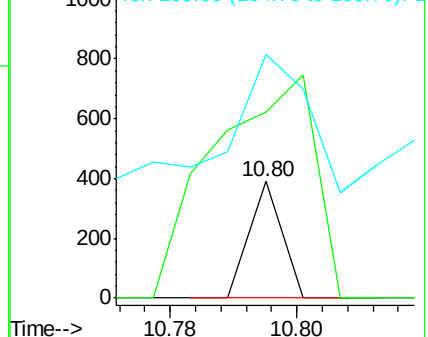
105 208.2 36.3 76.3#

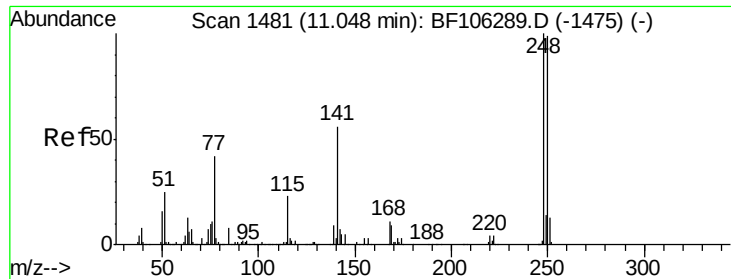


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

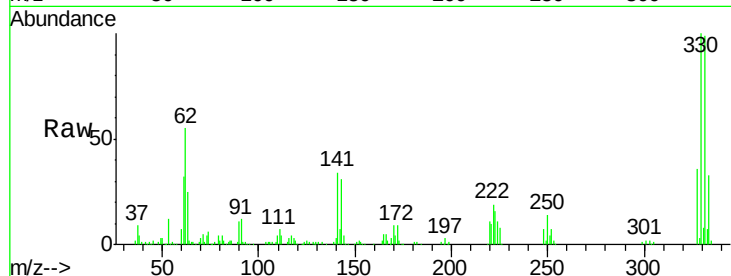




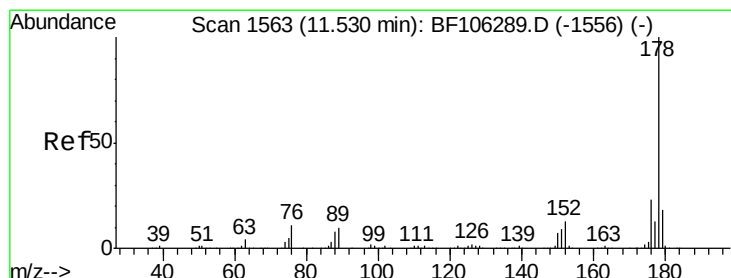
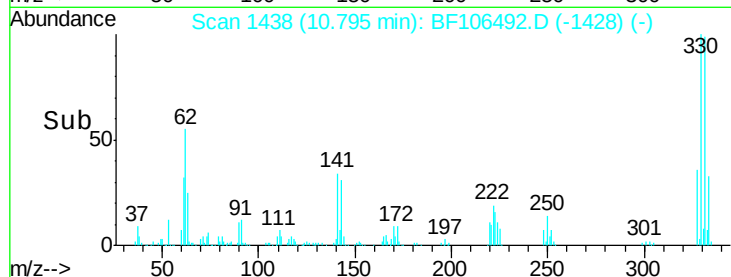
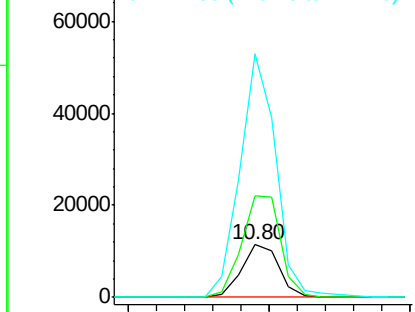
#66
 4-Bromophenyl-phenylether
 Concen: 3.178 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.24 min
 Lab File: BF106492.D
 Acq: 15 Jun 2018 15:28

Instrument :
 BNA_F
 ClientSampleId :
 #2

Tgt Ion:248 Resp: 10482
 Ion Ratio Lower Upper
 248 100
 250 191.9 76.9 115.3#
 141 462.5 74.4 111.6#

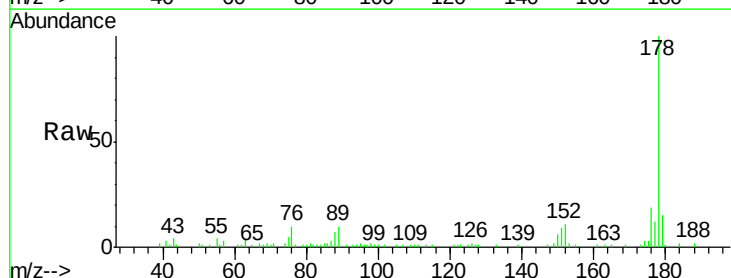


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

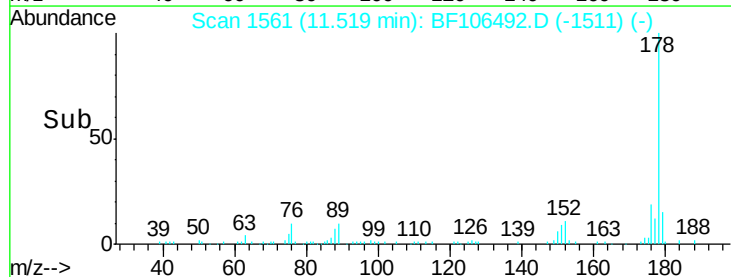
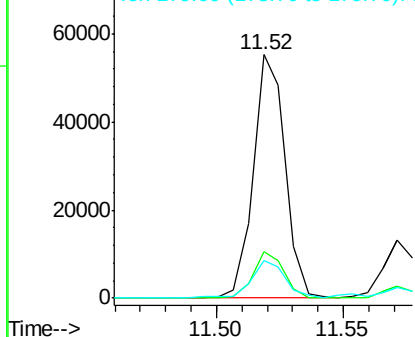


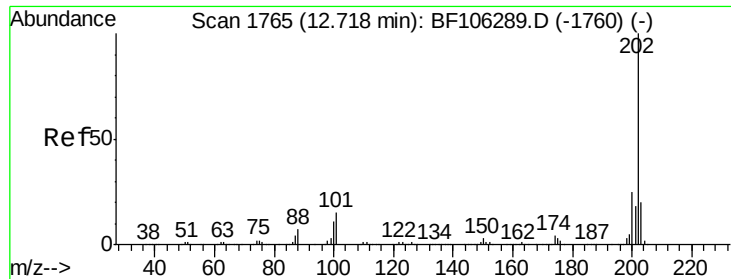
#70
 Phenanthrene
 Concen: 3.373 ng
 RT: 11.52 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF106492.D
 Acq: 15 Jun 2018 15:28

Tgt Ion:178 Resp: 47907
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.8
 179 15.2 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

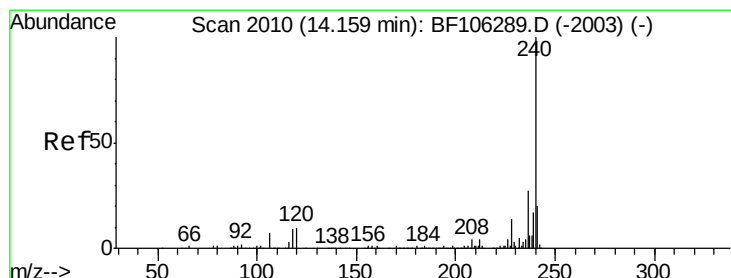
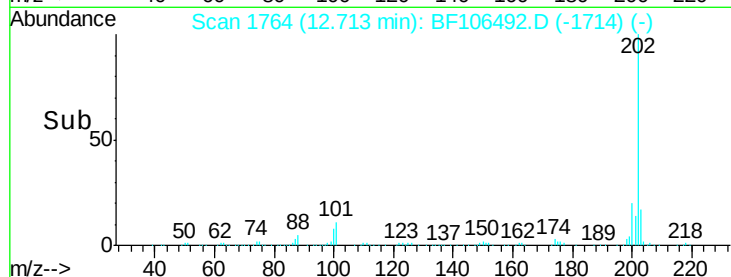
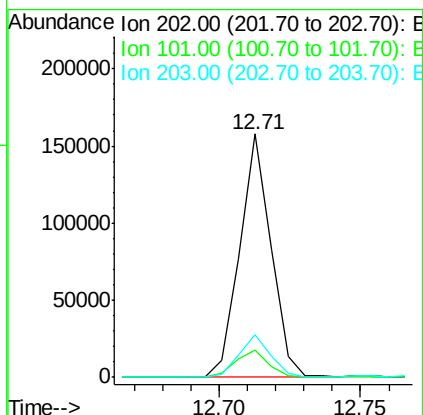
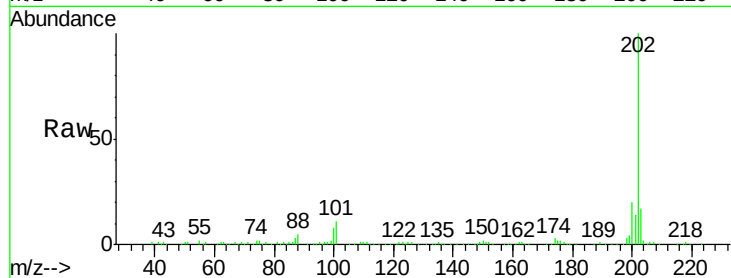




#74
 Fluoranthene
 Concen: 8.025 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF106492.D
 Acq: 15 Jun 2018 15:28

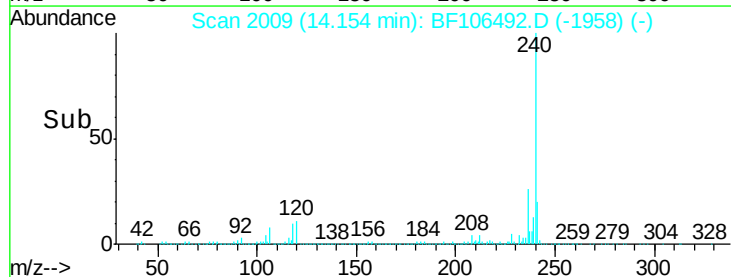
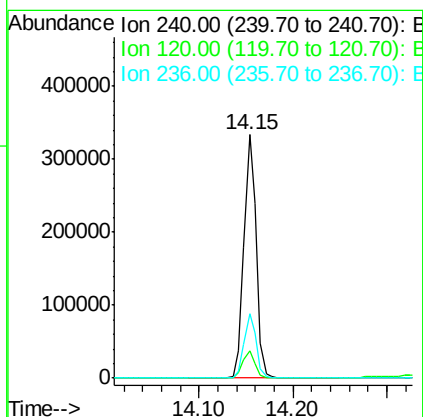
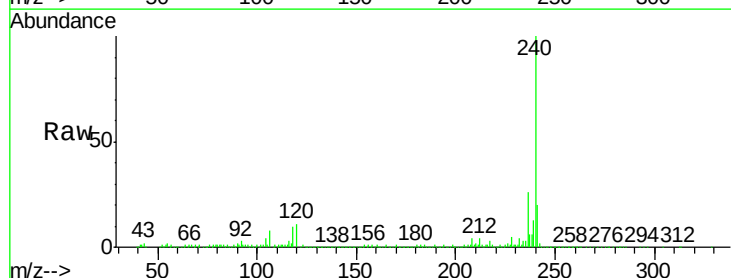
Instrument :
 BNA_F
 ClientSampleId :
 #2

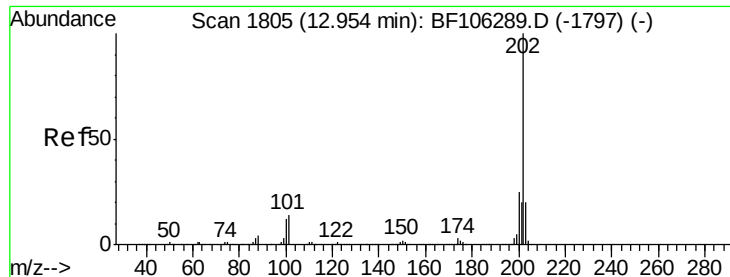
Tgt Ion:	202	Resp:	121542
Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	34.1
203	17.4	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.15 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: BF106492.D
 Acq: 15 Jun 2018 15:28

Tgt Ion:	240	Resp:	303105
Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.5	14.3
236	26.5	20.7	31.1





#77

Pyrene

Concen: 6.345 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106492.D

Acq: 15 Jun 2018 15:28

Instrument :

BNA_F

ClientSampleId :

#2

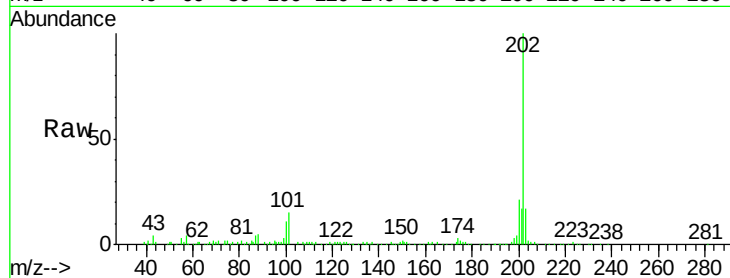
Tgt Ion:202 Resp: 120397

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

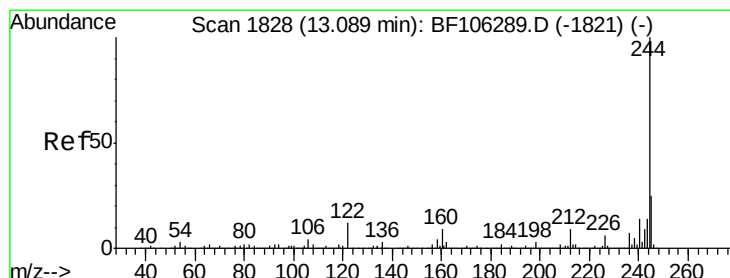
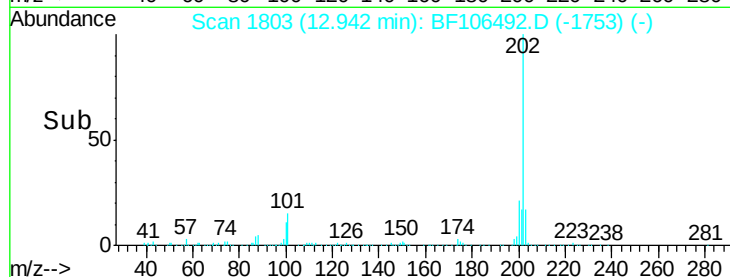
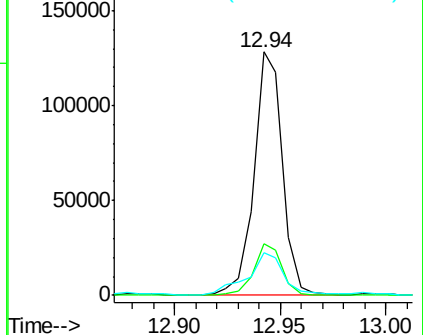
203 17.5 14.3 21.5



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: 53.244 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF106492.D

Acq: 15 Jun 2018 15:28

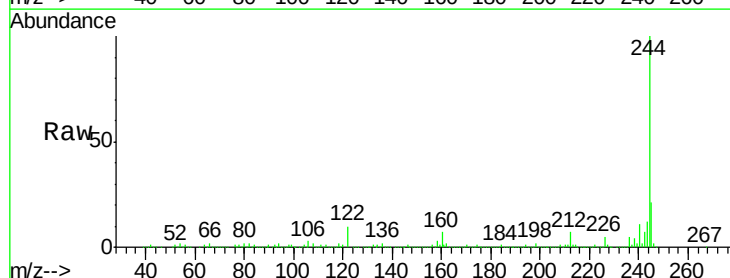
Tgt Ion:244 Resp: 649752

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

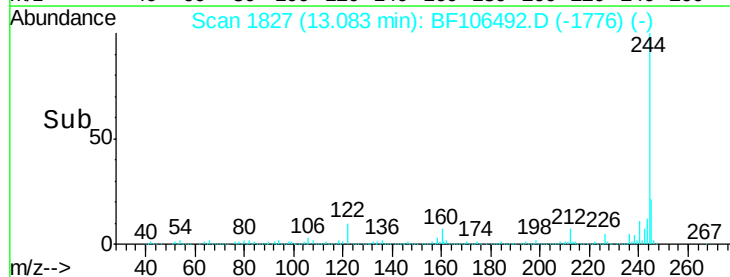
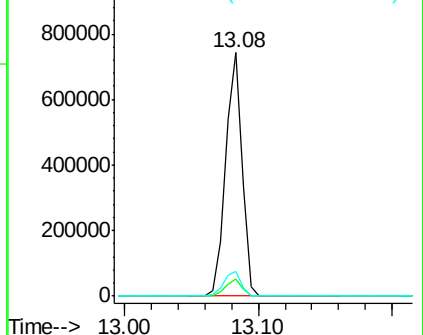
122 10.0 11.0 16.4#

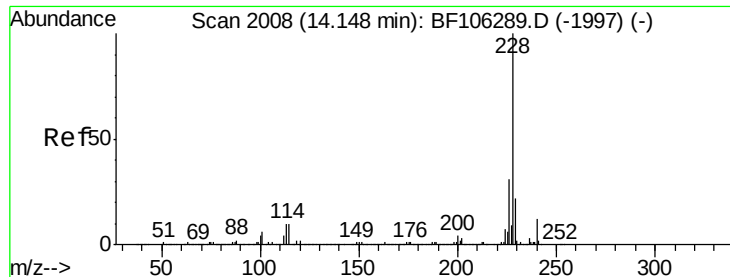


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.762 ng

RT: 14.14 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BF106492.D

Acq: 15 Jun 2018 15:28

Instrument :

BNA_F

ClientSampleId :

#2

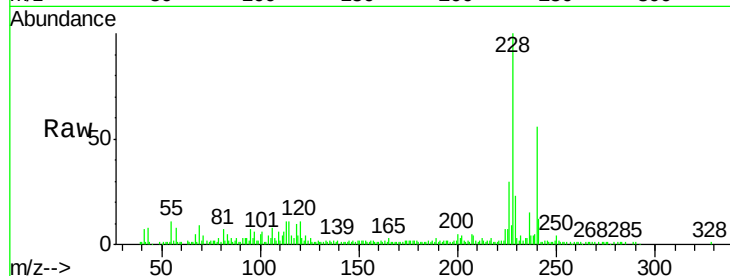
Tgt Ion:228 Resp: 67850

Ion Ratio Lower Upper

228 100

226 30.0 22.6 33.8

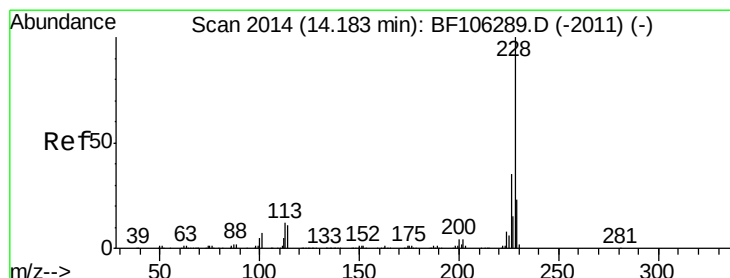
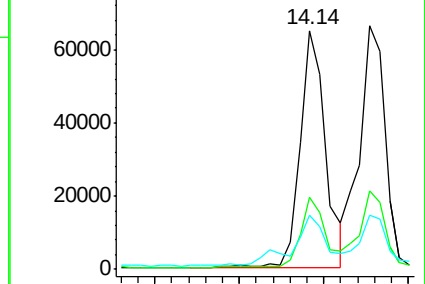
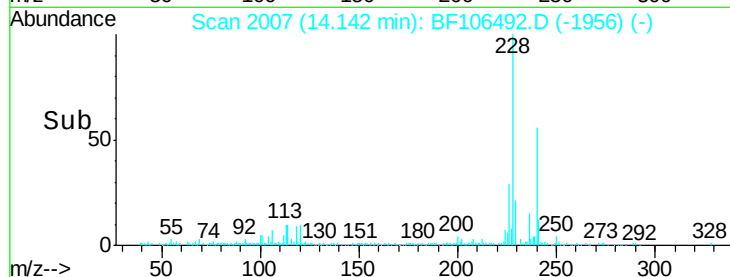
229 22.7 15.8 23.6



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: 4.204 ng

RT: 14.18 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BF106492.D

Acq: 15 Jun 2018 15:28

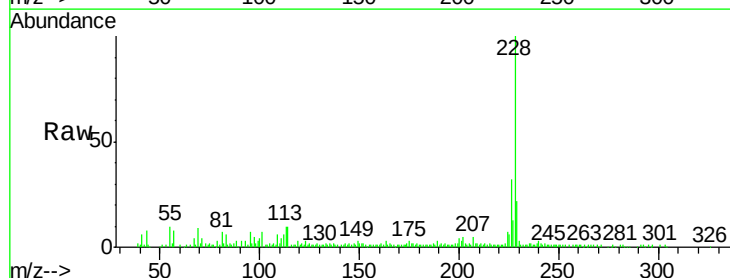
Tgt Ion:228 Resp: 69240

Ion Ratio Lower Upper

228 100

226 32.3 25.0 37.6

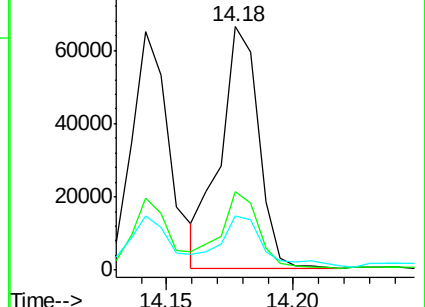
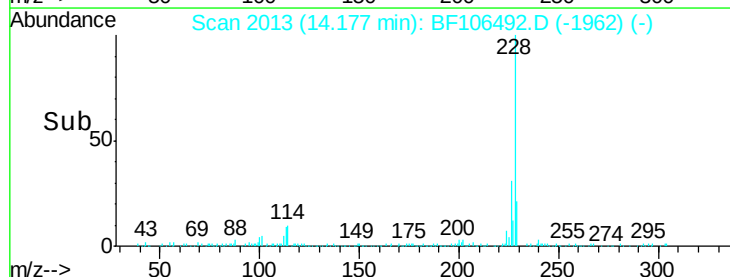
229 22.3 16.2 24.4

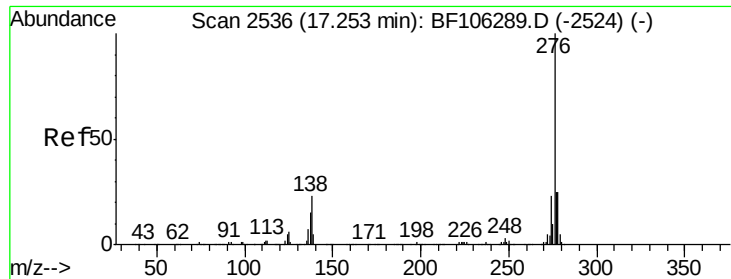


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.073 ng

RT: 17.27 min Scan# 2538

Delta R.T. 0.01 min

Lab File: BF106492.D

Acq: 15 Jun 2018 15:28

Instrument :

BNA_F

ClientSampleId :

#2

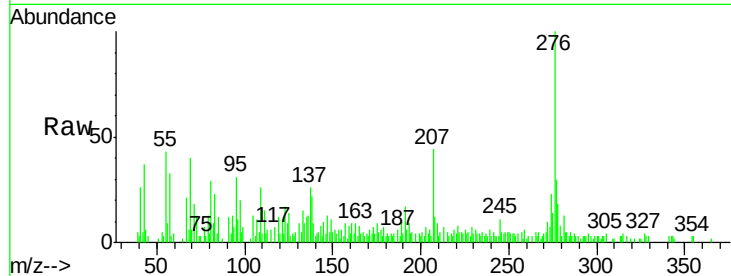
Tgt Ion: 276 Resp: 27252

Ion Ratio Lower Upper

276 100

138 21.0 25.0 37.6#

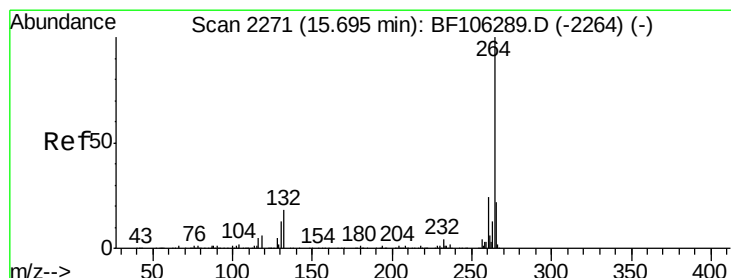
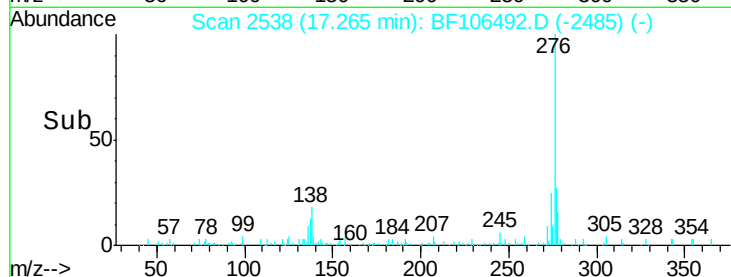
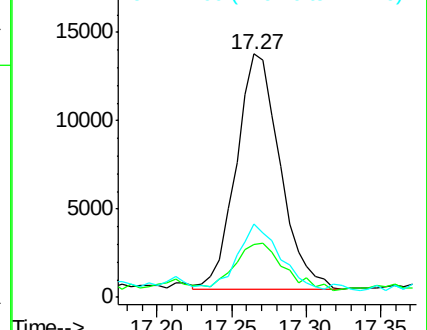
277 26.7 20.1 30.1



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. 0.02 min

Lab File: BF106492.D

Acq: 15 Jun 2018 15:28

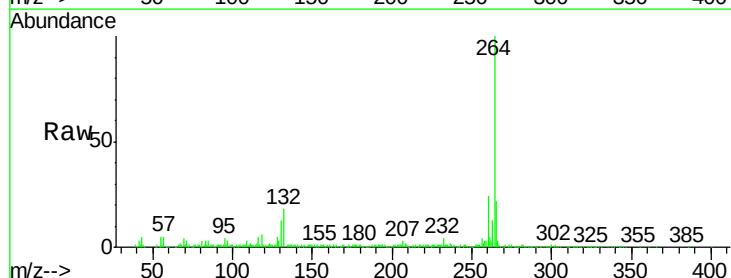
Tgt Ion: 264 Resp: 241878

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

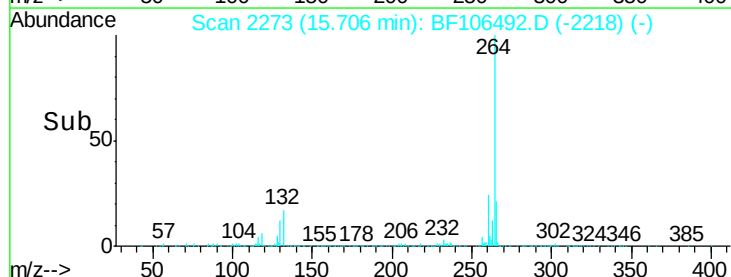
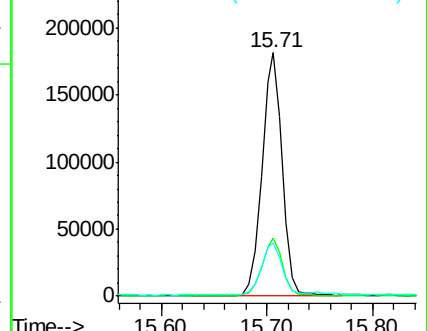
265 21.6 17.5 26.3

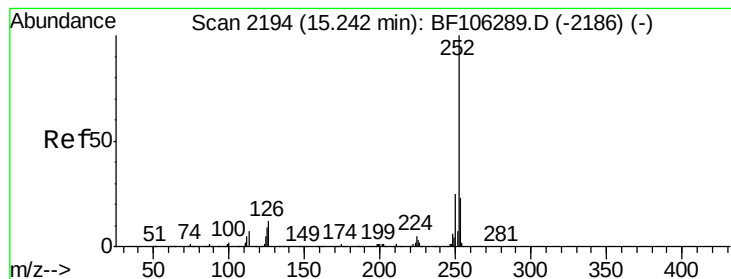


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 6.976 ng

RT: 15.25 min Scan# 2195

Delta R.T. 0.02 min

Lab File: BF106492.D

Acq: 15 Jun 2018 15:28

Instrument :

BNA_F

ClientSampleId :

#2

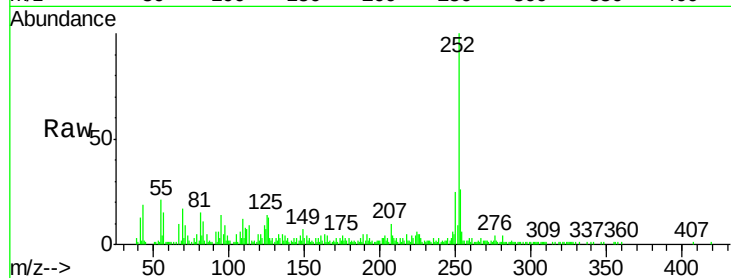
Tgt Ion:252 Resp: 101996

Ion Ratio Lower Upper

252 100

253 26.0 17.0 25.6#

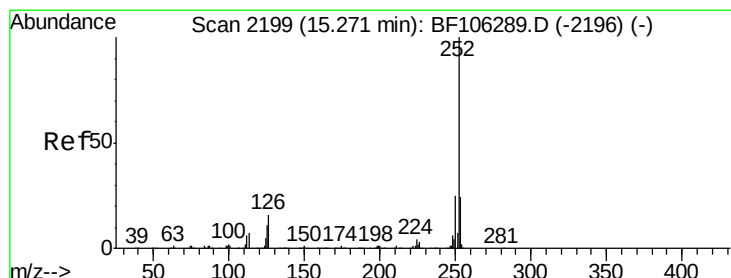
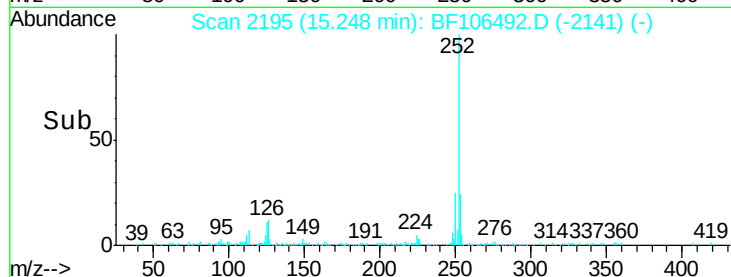
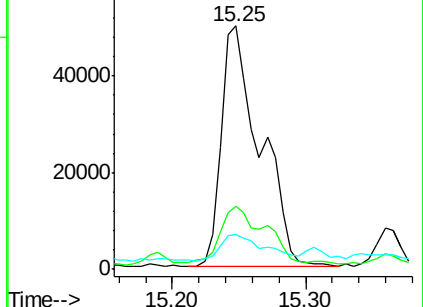
125 14.4 9.0 13.6#



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: 7.044 ng

RT: 15.25 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BF106492.D

Acq: 15 Jun 2018 15:28

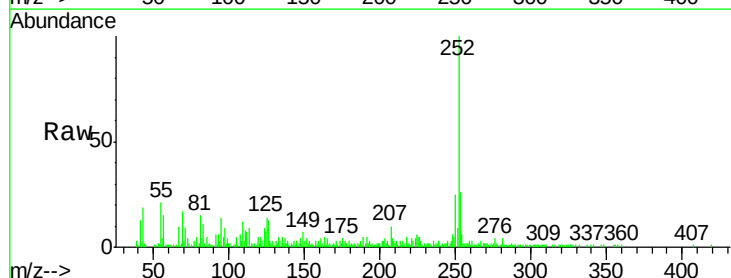
Tgt Ion:252 Resp: 101996

Ion Ratio Lower Upper

252 100

253 26.0 17.9 26.9

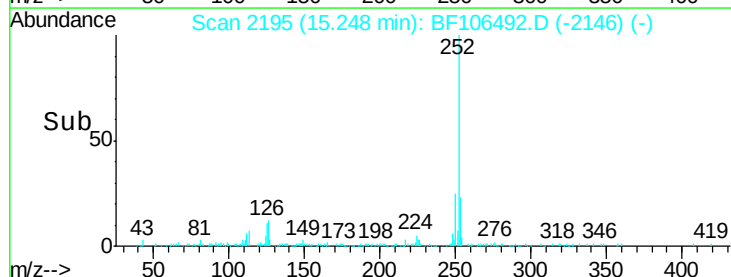
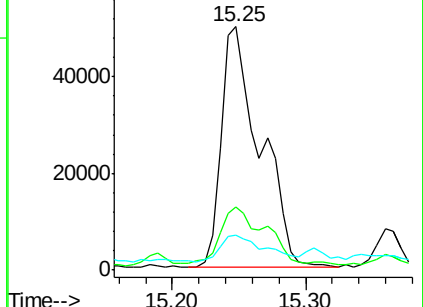
125 14.4 10.2 15.2

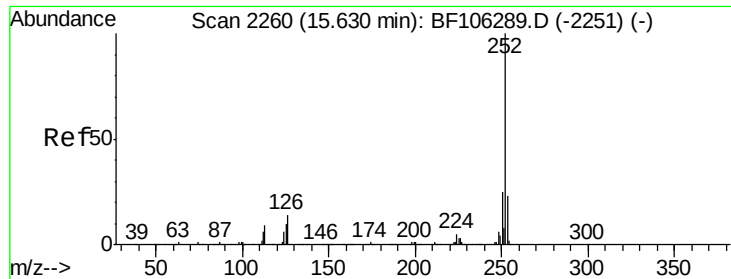


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

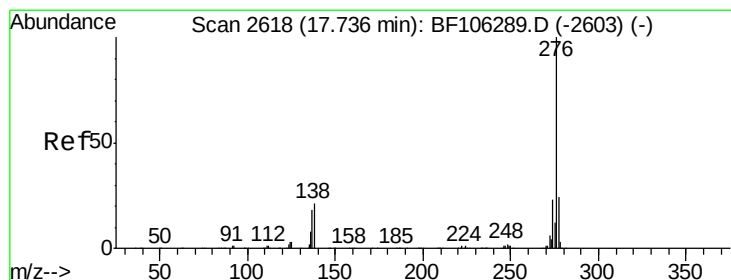
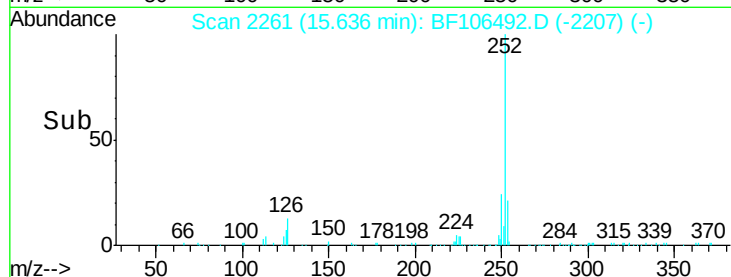
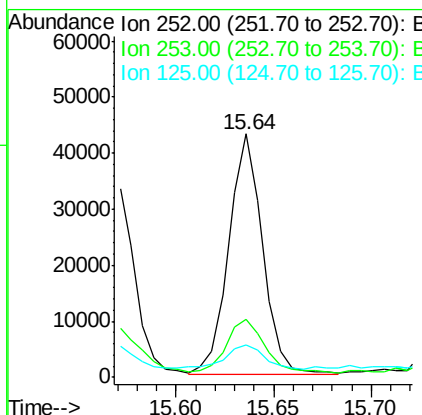
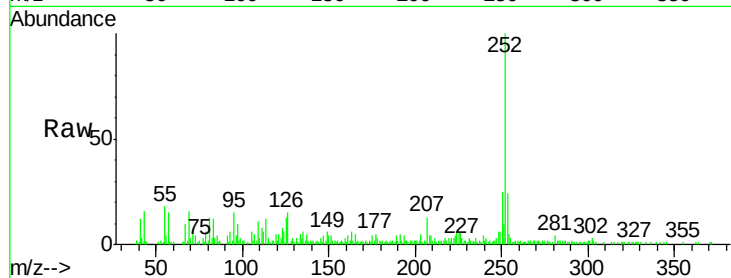




#89
Benzo(a)pyrene
Concen: 3.888 ng
RT: 15.64 min Scan# 2261
Delta R.T. 0.02 min
Lab File: BF106492.D
Acq: 15 Jun 2018 15:28

Instrument :
BNA_F
ClientSampled :
#2

Tgt Ion: 252 Resp: 51128
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 13.1 9.8 14.6



#91
Benzo(g,h,i)perylene
Concen: 2.787 ng
RT: 17.75 min Scan# 2620
Delta R.T. 0.02 min
Lab File: BF106492.D
Acq: 15 Jun 2018 15:28

Tgt Ion: 276 Resp: 29691
Ion Ratio Lower Upper
276 100
277 22.2 17.9 26.9
138 22.5 21.8 32.8

