

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061418\
 Data File : BF106459.D
 Acq On : 14 Jun 2018 22:51
 Operator : JU/SJ
 Sample : J3471-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 #1

Quant Time: Jun 15 01:14:14 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	117427	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	422935	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	171641	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	301085	20.00	ng	0.00
75) Chrysene-d12	14.15	240	284803	20.00	ng	-0.01
86) Perylene-d12	15.68	264	196648	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	698385	100.66	ng	0.00
7) Phenol-d6	6.61	99	847241	96.65	ng	0.00
23) Nitrobenzene-d5	7.53	82	536198	74.58	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	177562	107.52	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	813146	83.74	ng	0.00
78) Terphenyl-d14	13.08	244	769687	67.12	ng	0.00

Target Compounds

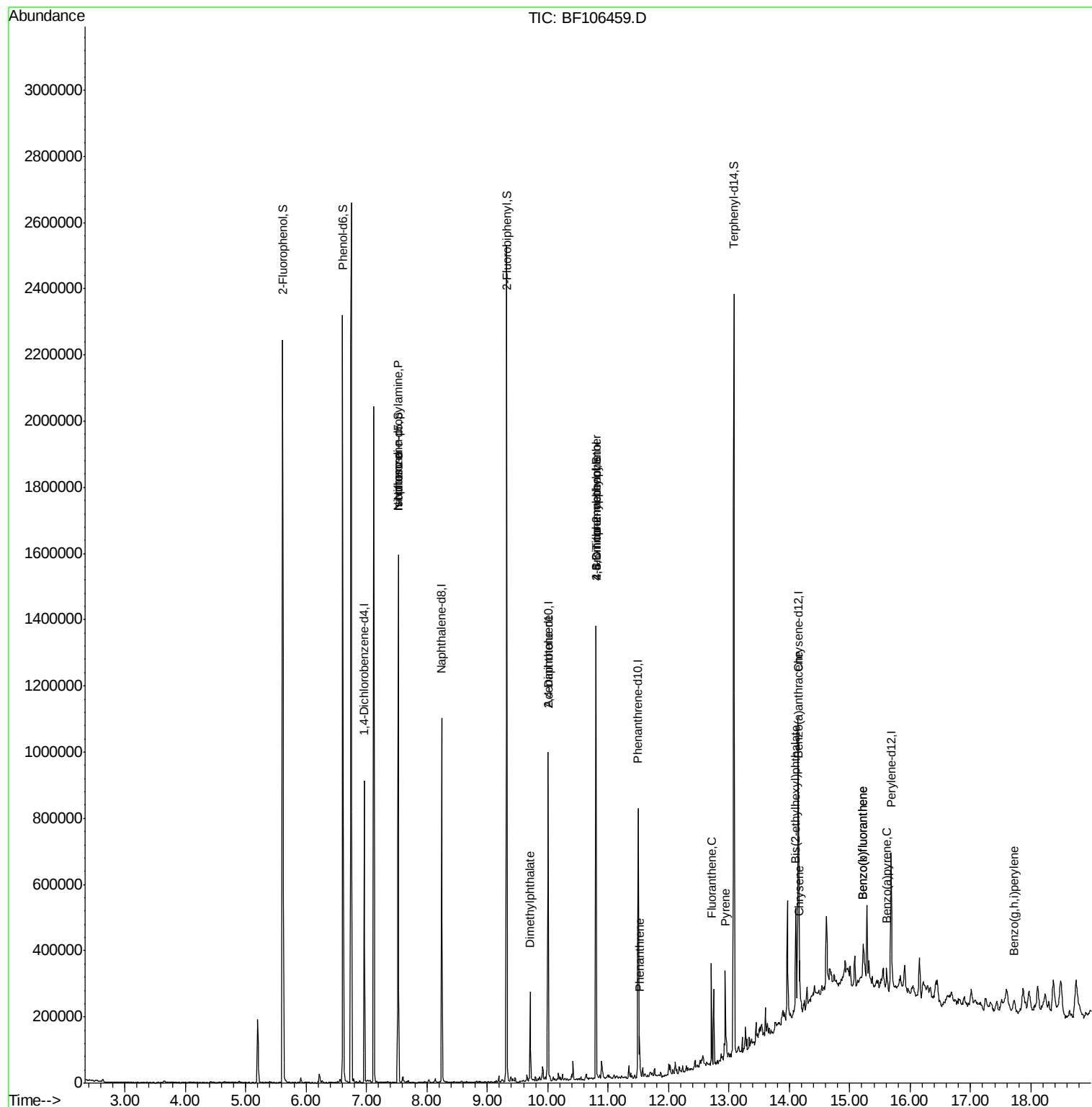
						Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	72914	11.087	ng	# 72
25) Isophorone	7.53	82	536187	38.184	ng	# 64
49) Dimethylphthalate	9.71	163	95679	7.802	ng	99
56) 2,4-Dinitrotoluene	10.01	165	21868	6.952	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	302	6.456	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	11844	3.459	ng	# 1
70) Phenanthrene	11.52	178	41540	2.817	ng	97
74) Fluoranthene	12.71	202	109941	6.991	ng	98
77) Pyrene	12.95	202	107144	6.009	ng	97
80) Benzo(a)anthracene	14.14	228	54336	3.206	ng	97
82) Chrysene	14.17	228	52215	3.374	ng	99
83) Bis(2-ethylhexyl)phthalate	14.11	149	90090	9.414	ng	96
87) Benzo(b)fluoranthene	15.22	252	72447	6.095	ng	# 92
88) Benzo(k)fluoranthene	15.22	252	72447	6.154	ng	# 95
89) Benzo(a)pyrene	15.61	252	34607	3.237	ng	# 86
91) Benzo(g,h,i)perylene	17.72	276	23461	2.708	ng	96

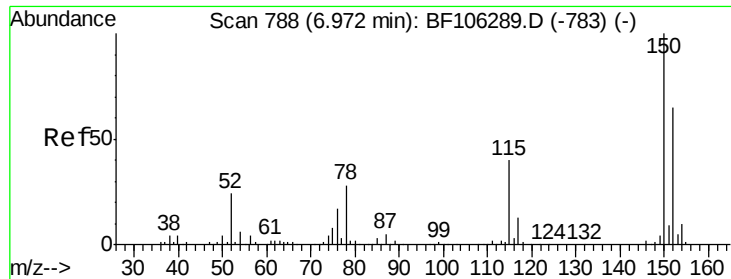
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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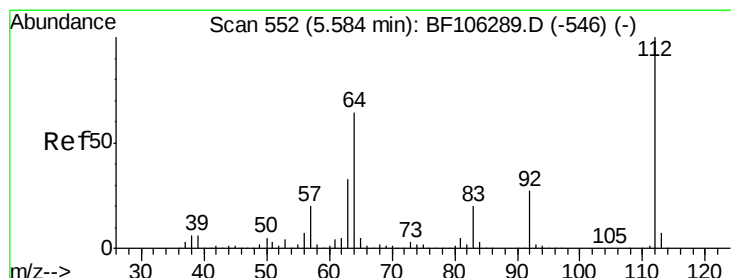
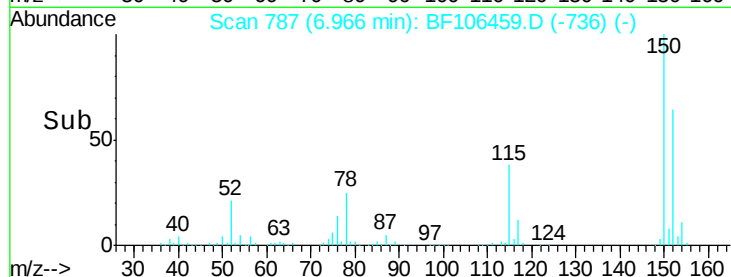
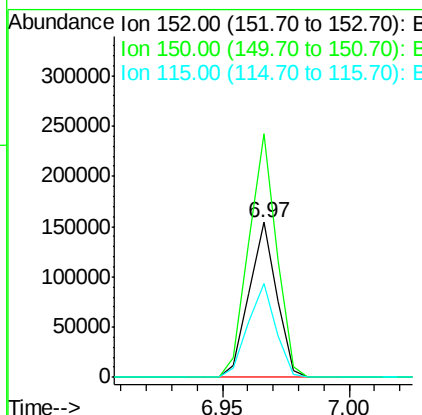
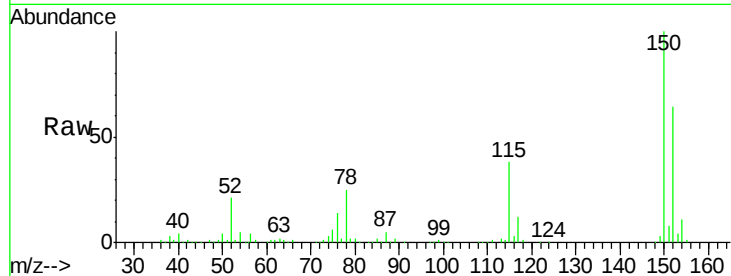




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: BF106459.D
 Acq: 14 Jun 2018 22:51

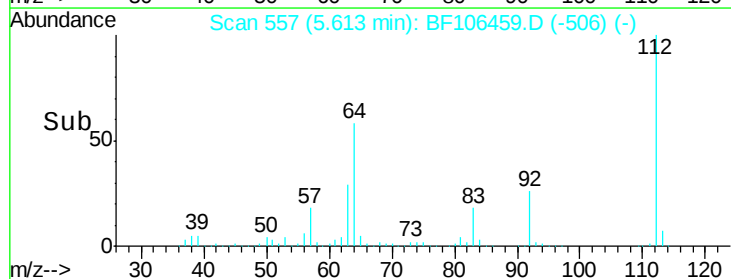
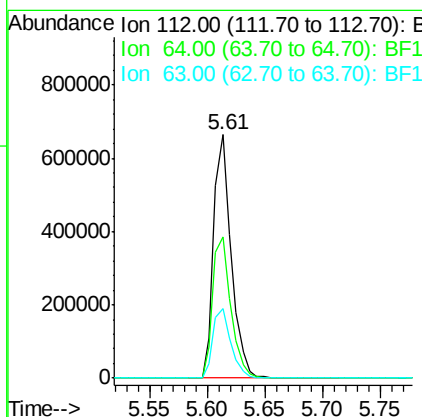
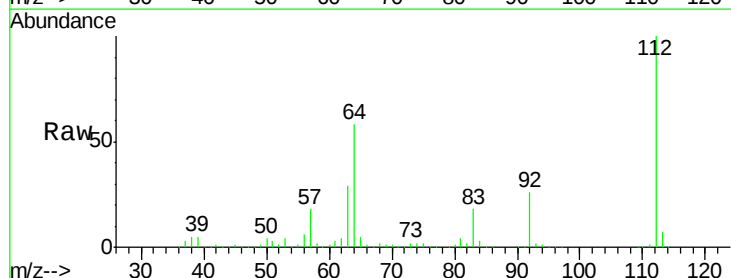
Instrument :
 BNA_F
 ClientSampleId :
 #1

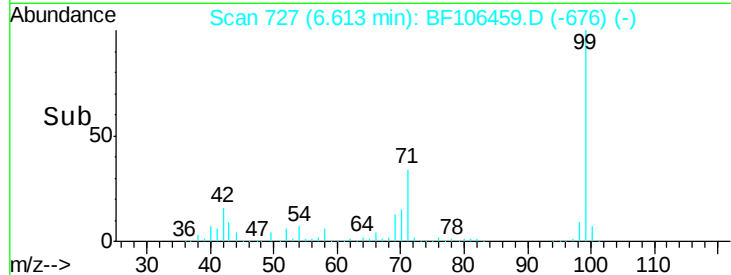
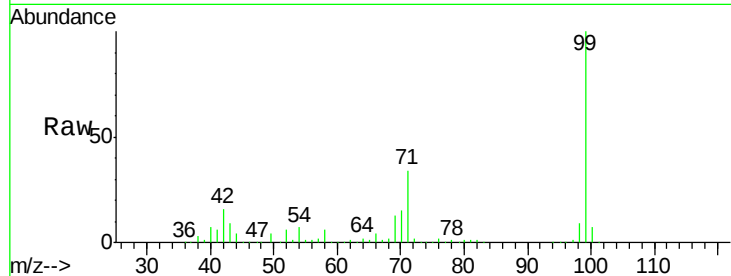
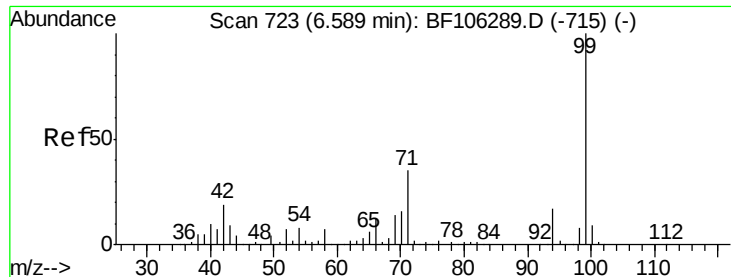
Tgt Ion:152 Resp: 117427
 Ion Ratio Lower Upper
 152 100
 150 157.1 124.6 186.8
 115 60.4 50.1 75.1



#5
 2-Fluorophenol
 Concen: 100.660 ng
 RT: 5.61 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: BF106459.D
 Acq: 14 Jun 2018 22:51

Tgt Ion:112 Resp: 698385
 Ion Ratio Lower Upper
 112 100
 64 58.0 47.9 71.9
 63 28.8 23.7 35.5





#7

Phenol-d6

Concen: 96.655 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.00 min

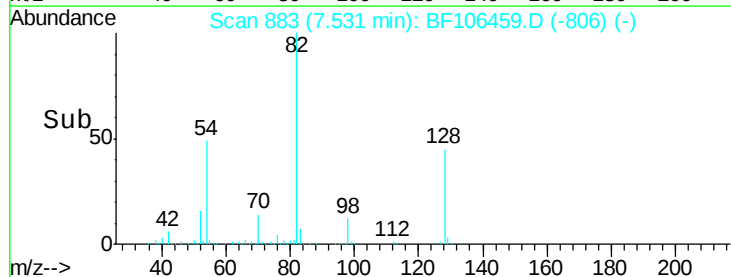
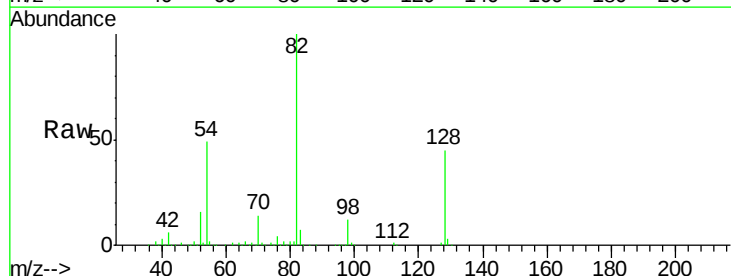
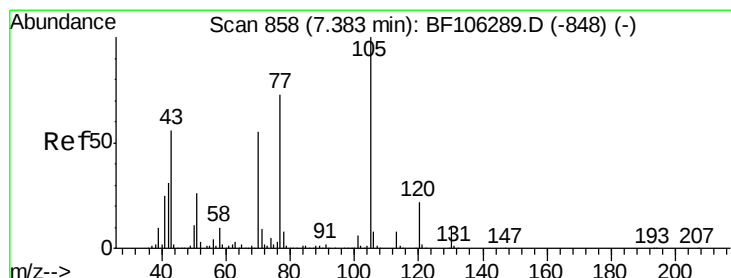
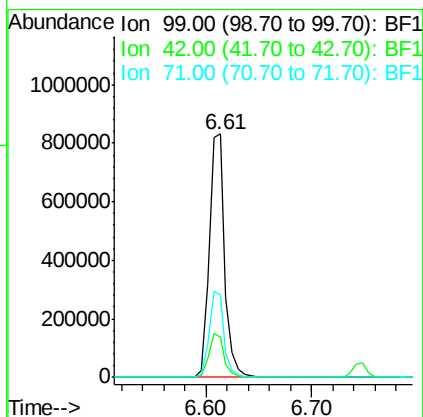
Lab File: BF106459.D

Acq: 14 Jun 2018 22:51

Instrument :
BNA_F
ClientSampled :
#1

Tgt Ion: 99 Resp: 847241

Ion	Ratio	Lower	Upper
99	100		
42	16.4	14.5	21.7
71	33.9	25.4	38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.087 ng

RT: 7.53 min Scan# 883

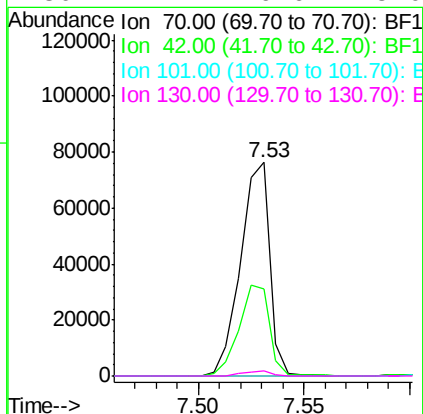
Delta R.T. 0.15 min

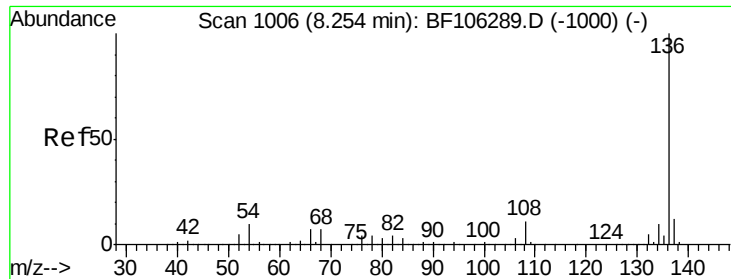
Lab File: BF106459.D

Acq: 14 Jun 2018 22:51

Tgt Ion: 70 Resp: 72914

Ion	Ratio	Lower	Upper
70	100		
42	40.7	47.5	71.3#
101	0.0	7.4	11.2#
130	2.1	16.6	25.0#

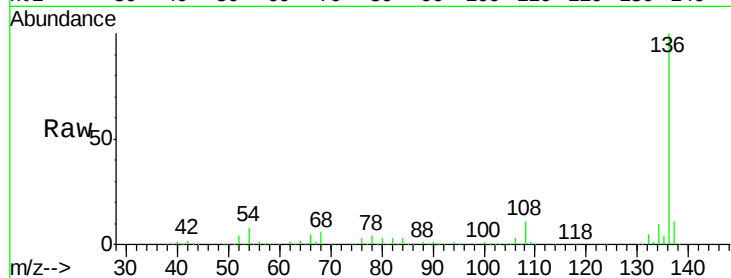




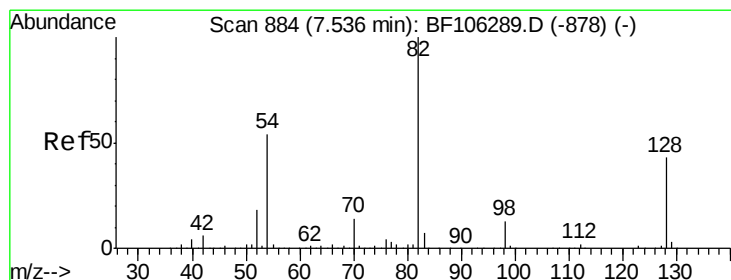
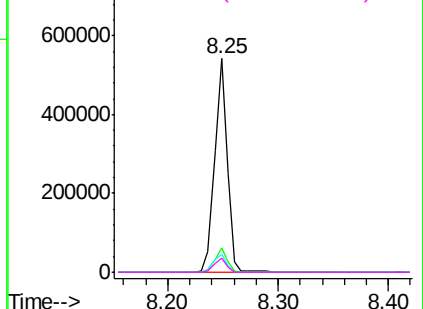
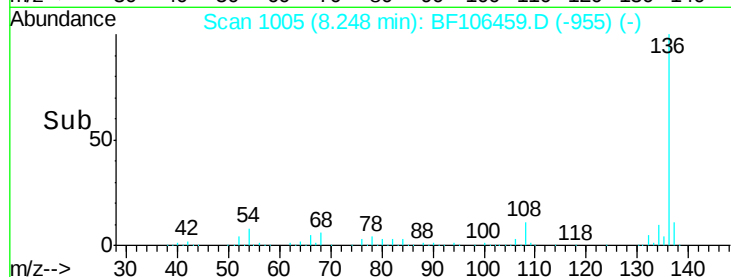
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF106459.D
Acq: 14 Jun 2018 22:51

Instrument :
BNA_F
ClientSampleId :
#1

Tgt Ion:	136	Resp:	422935
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.4	6.6	9.8
68	6.4	5.0	7.4

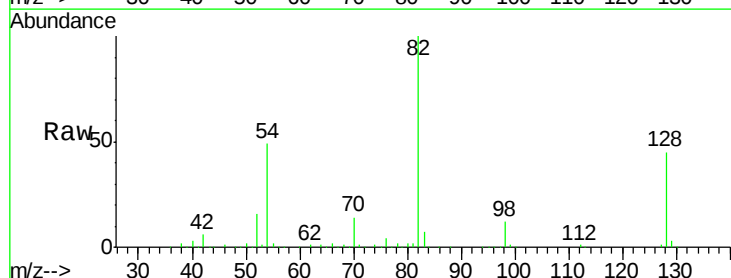


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

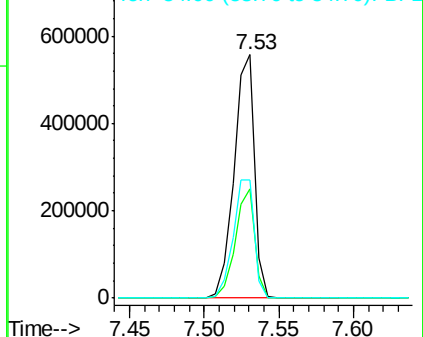
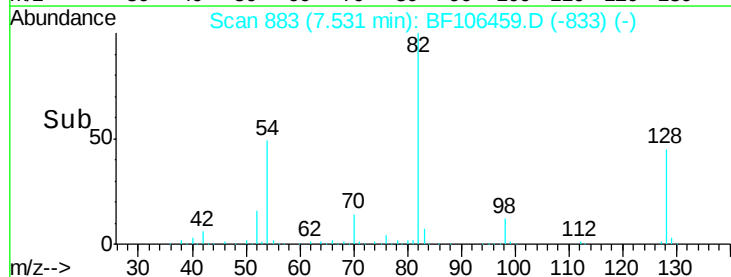


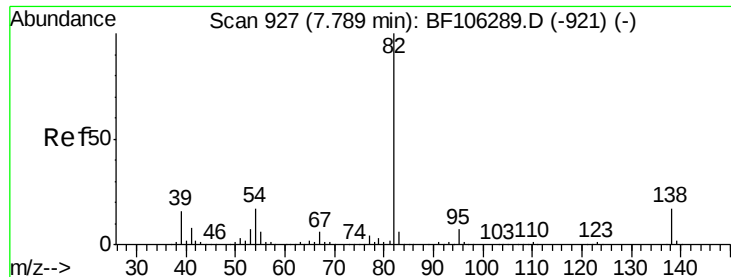
#23
Nitrobenzene-d5
Concen: 74.583 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF106459.D
Acq: 14 Jun 2018 22:51

Tgt Ion:	82	Resp:	536198
Ion	Ratio	Lower	Upper
82	100		
128	45.0	36.1	54.1
54	48.6	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

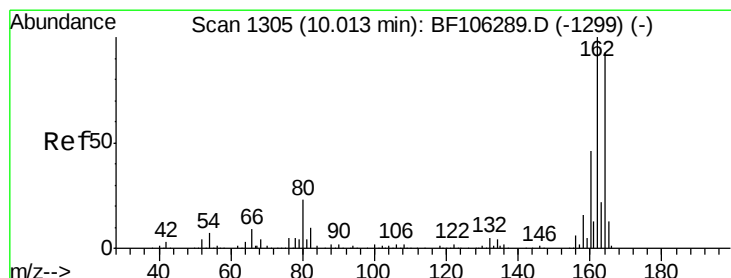
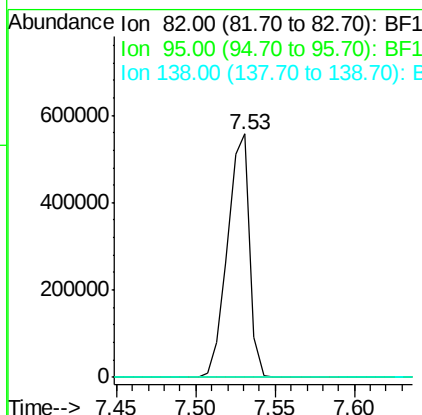
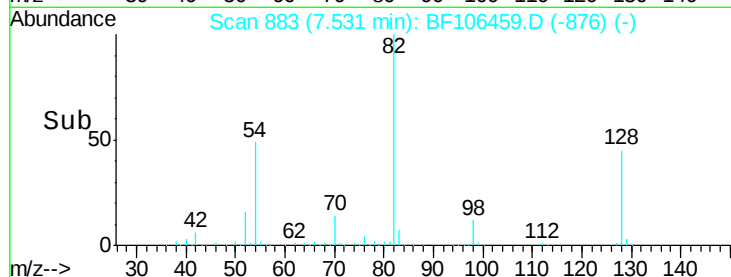
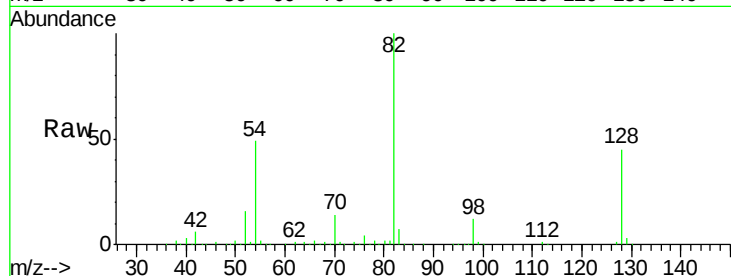




#25
Isophorone
Concen: 38.184 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.26 min
Lab File: BF106459.D
Acq: 14 Jun 2018 22:51

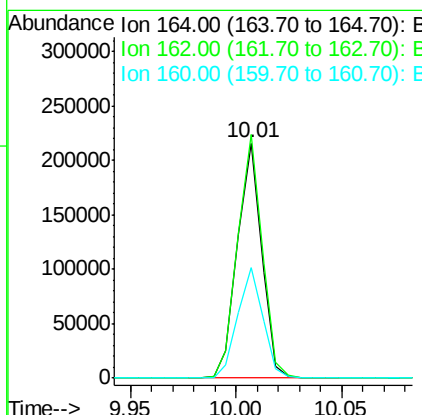
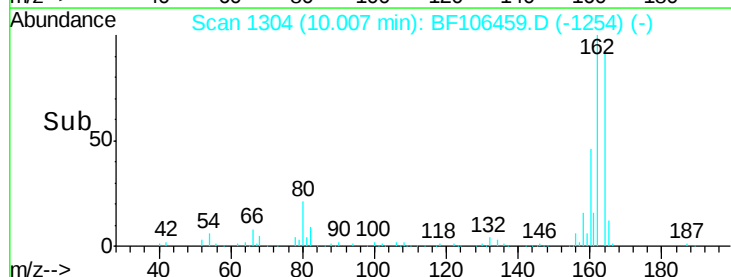
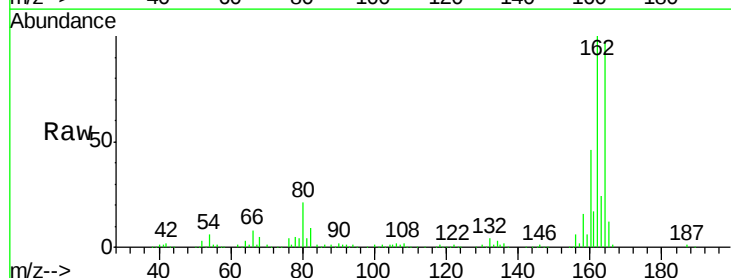
Instrument :
BNA_F
ClientSampleId :
#1

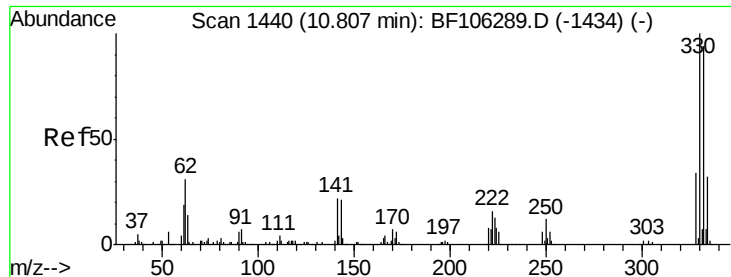
Tgt Ion: 82 Resp: 536187
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF106459.D
Acq: 14 Jun 2018 22:51

Tgt Ion: 164 Resp: 171641
Ion Ratio Lower Upper
164 100
162 103.6 86.1 129.1
160 47.1 38.3 57.5

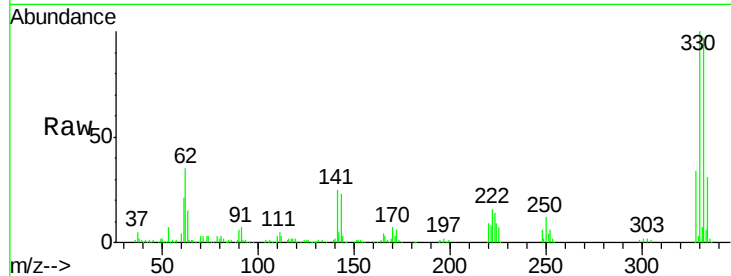




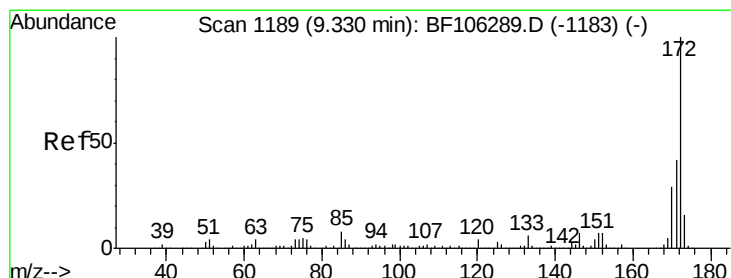
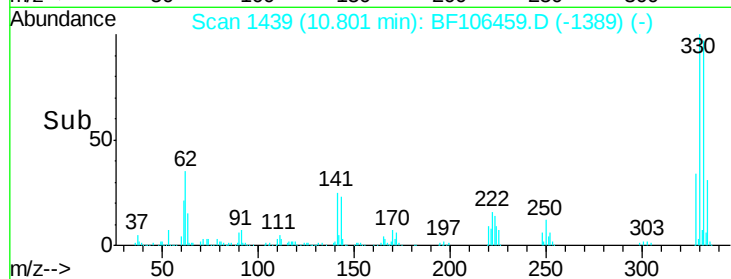
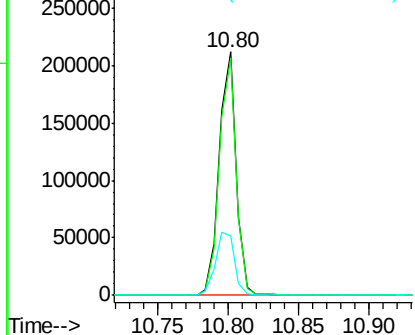
#41
 2,4,6-Tribromophenol
 Concen: 107.517 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF106459.D
 Acq: 14 Jun 2018 22:51

Instrument :
 BNA_F
 ClientSampleId :
 #1

Tgt Ion: 330 Resp: 177562
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 29.3 29.9 44.9#

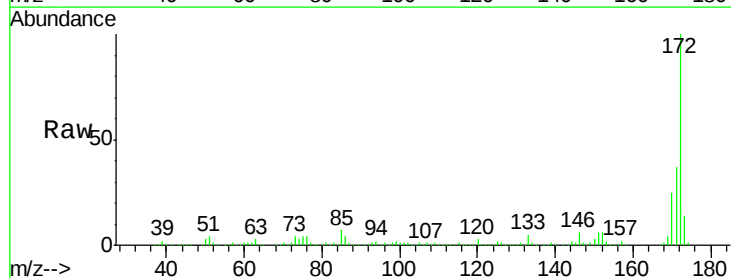


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

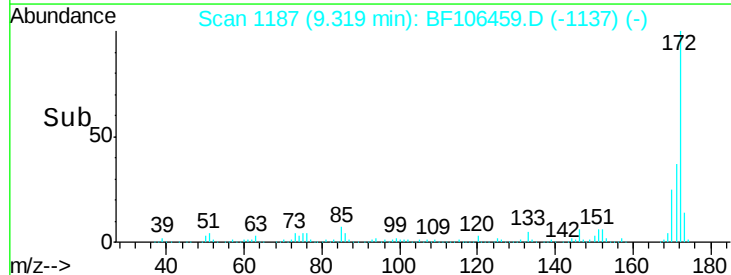
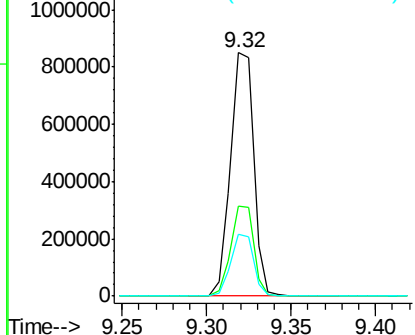


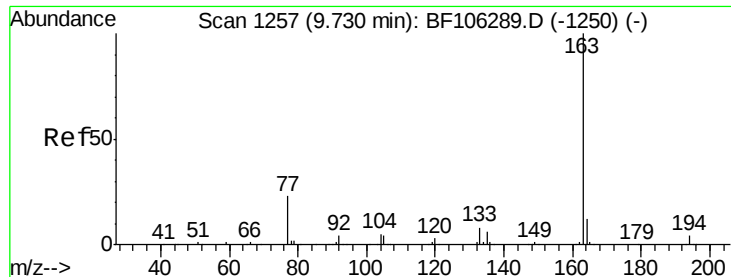
#44
 2-Fluorobiphenyl
 Concen: 83.737 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106459.D
 Acq: 14 Jun 2018 22:51

Tgt Ion: 172 Resp: 813146
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.7 44.5
 170 25.2 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

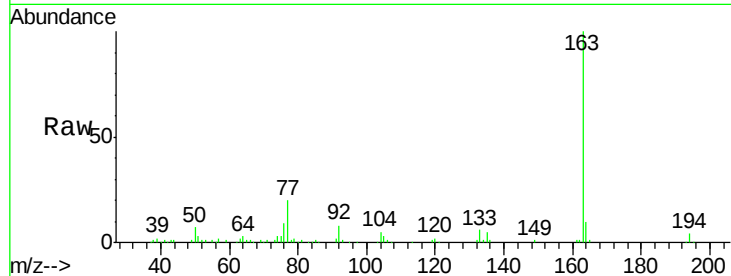




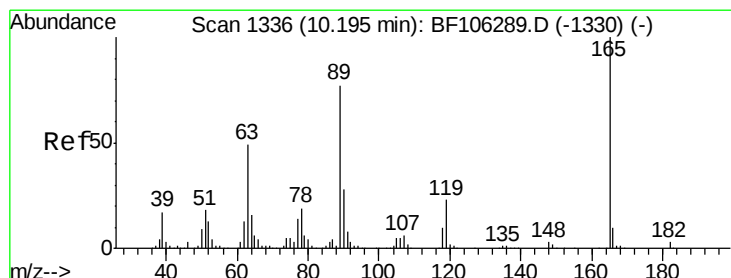
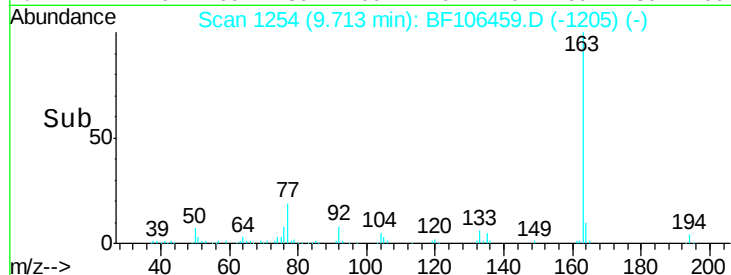
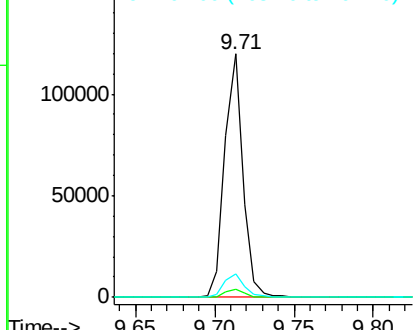
#49
Dimethylphthalate
Concen: 7.802 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BF106459.D
Acq: 14 Jun 2018 22:51

Instrument :
BNA_F
ClientSampleId :
#1

Tgt Ion:163 Resp: 95679
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.6 8.2 12.2

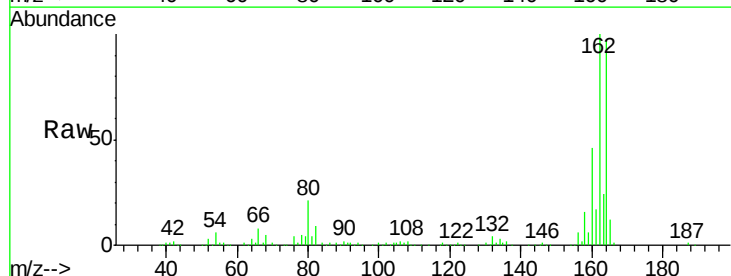


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

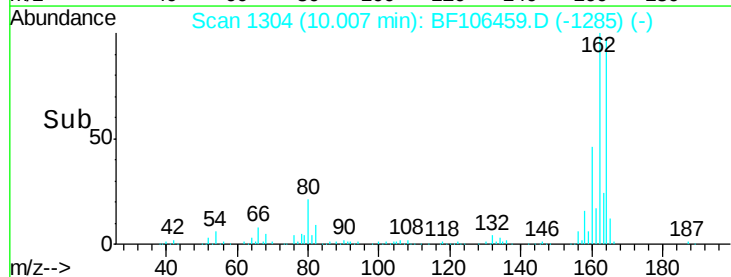
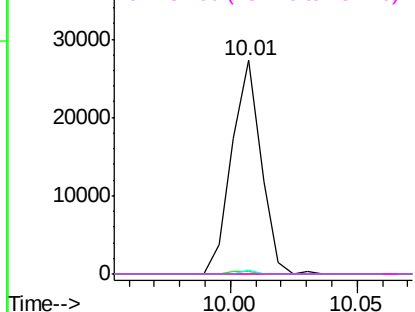


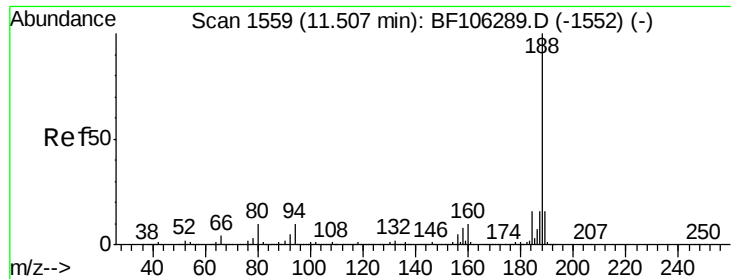
#56
2,4-Dinitrotoluene
Concen: 6.952 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.19 min
Lab File: BF106459.D
Acq: 14 Jun 2018 22:51

Tgt Ion:165 Resp: 21868
Ion Ratio Lower Upper
165 100
63 1.1 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: BF106459.D

Acq: 14 Jun 2018 22:51

Instrument :

BNA_F

ClientSampleId :

#1

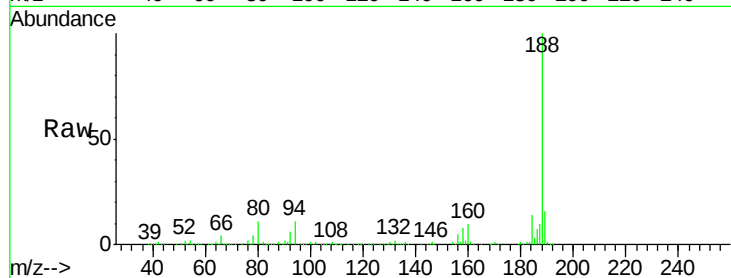
Tgt Ion:188 Resp: 301085

Ion Ratio Lower Upper

188 100

94 10.6 8.5 12.7

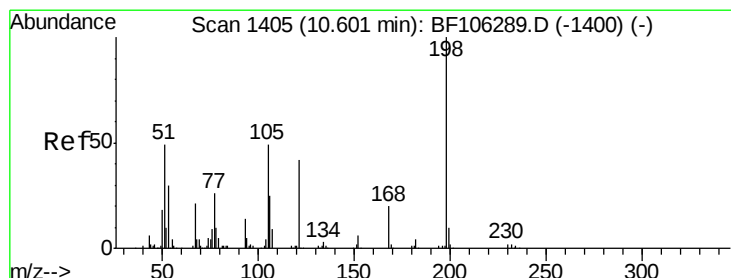
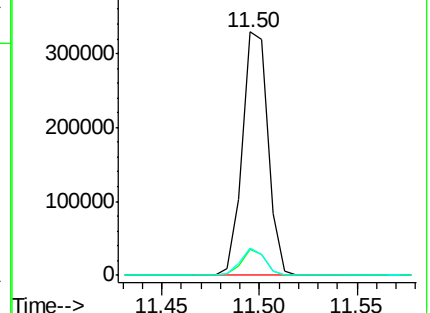
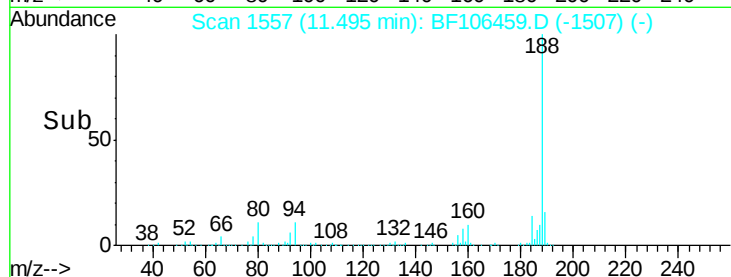
80 11.5 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 6.456 ng

RT: 10.80 min Scan# 1438

Delta R.T. 0.19 min

Lab File: BF106459.D

Acq: 14 Jun 2018 22:51

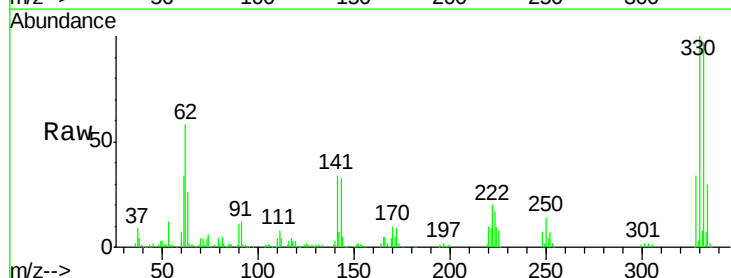
Tgt Ion:198 Resp: 302

Ion Ratio Lower Upper

198 100

51 170.5 37.7 77.7#

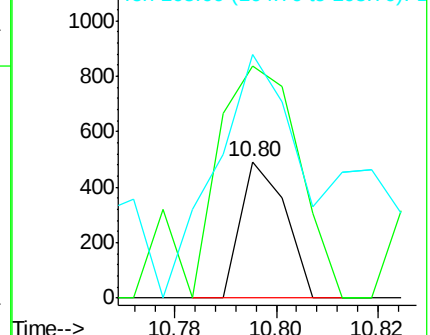
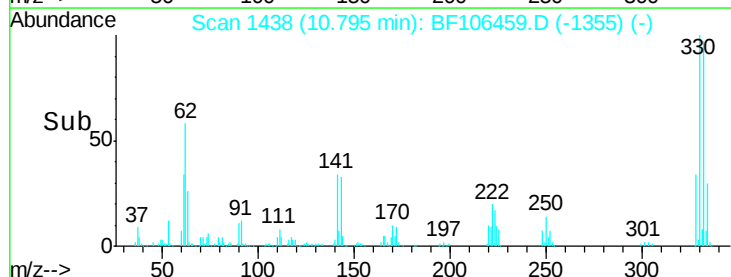
105 178.5 36.3 76.3#

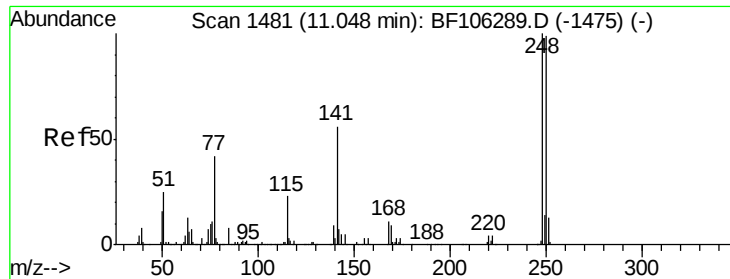


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

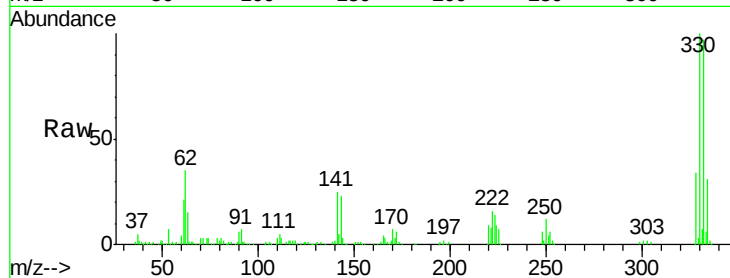




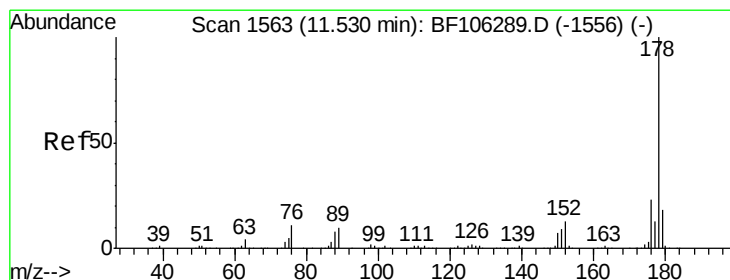
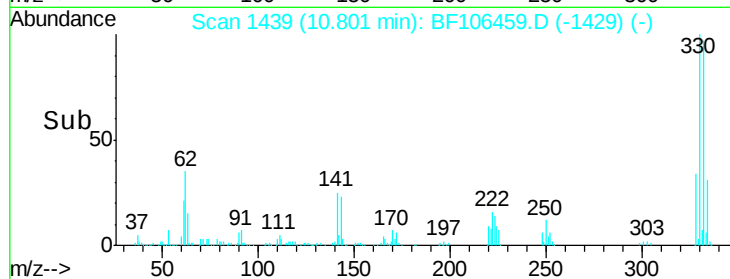
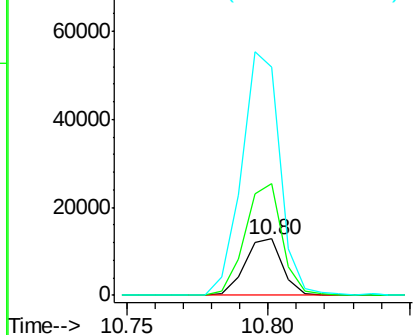
#66
 4-Bromophenyl-phenylether
 Concen: 3.459 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF106459.D
 Acq: 14 Jun 2018 22:51

Instrument :
 BNA_F
 ClientSampleId :
 #1

Tgt Ion:248 Resp: 11844
 Ion Ratio Lower Upper
 248 100
 250 198.8 76.9 115.3#
 141 407.6 74.4 111.6#

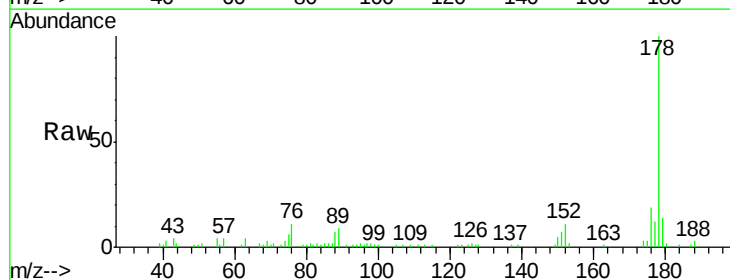


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

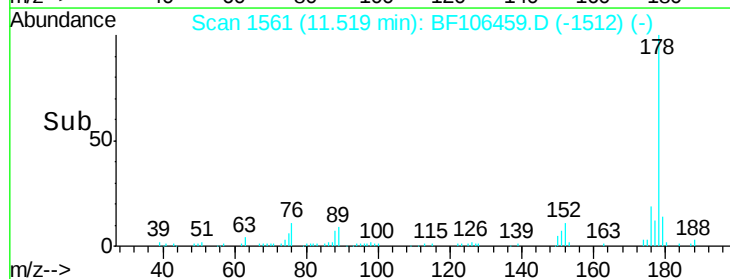
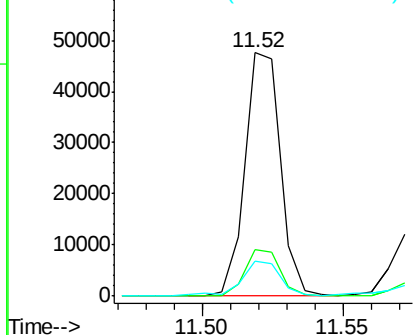


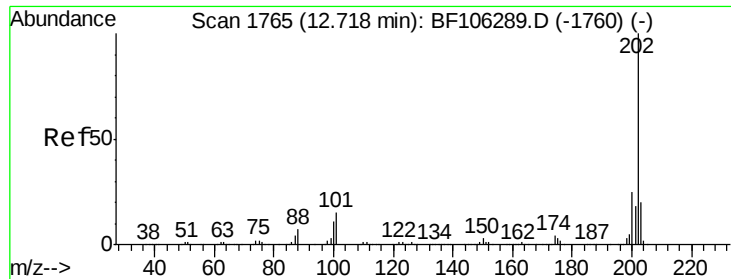
#70
 Phenanthrene
 Concen: 2.817 ng
 RT: 11.52 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF106459.D
 Acq: 14 Jun 2018 22:51

Tgt Ion:178 Resp: 41540
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.8 23.8
 179 14.3 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: 6.991 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106459.D

Acq: 14 Jun 2018 22:51

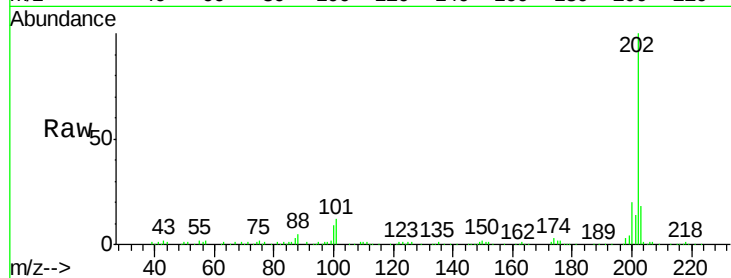
Instrument :

BNA_F

ClientSampleId :

#1

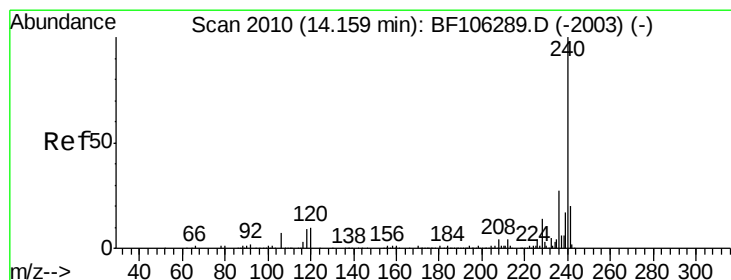
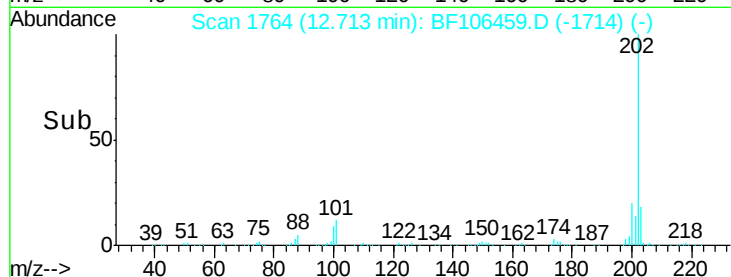
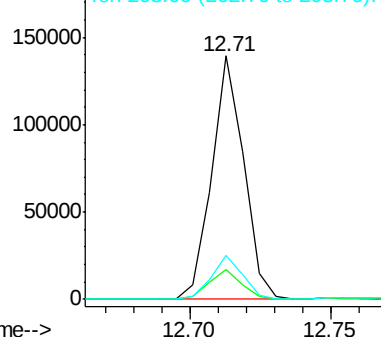
Tgt Ion:	202	Resp:	109941
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	34.1
203	17.9	0.0	38.1



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

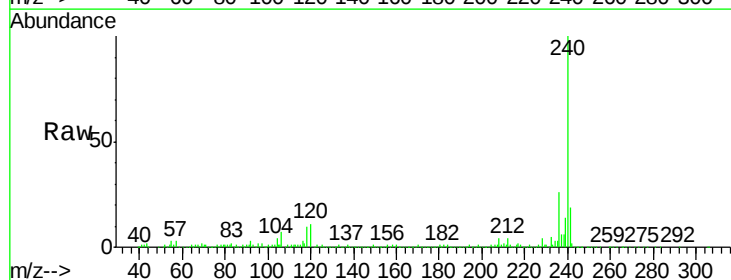
RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106459.D

Acq: 14 Jun 2018 22:51

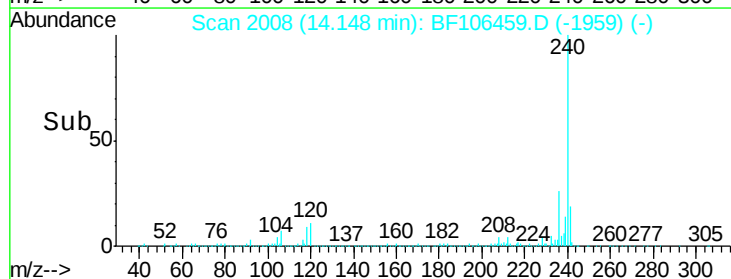
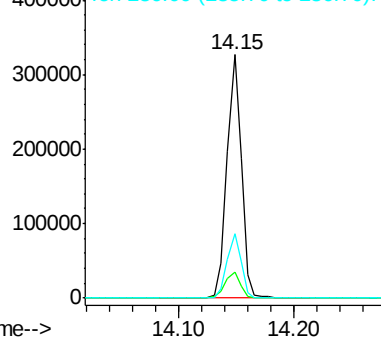
Tgt Ion:	240	Resp:	284803
Ion Ratio	Lower	Upper	
240	100		
120	10.7	9.5	14.3
236	26.3	20.7	31.1

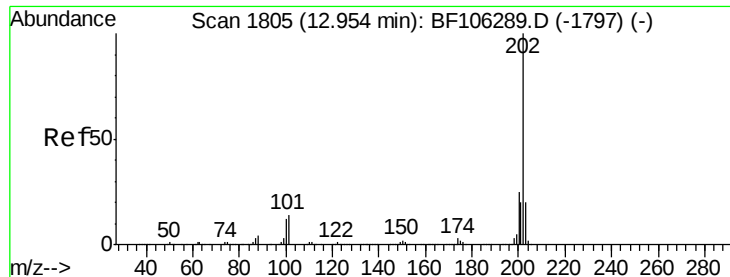


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 6.009 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF106459.D

Acq: 14 Jun 2018 22:51

Instrument :

BNA_F

ClientSampleId :

#1

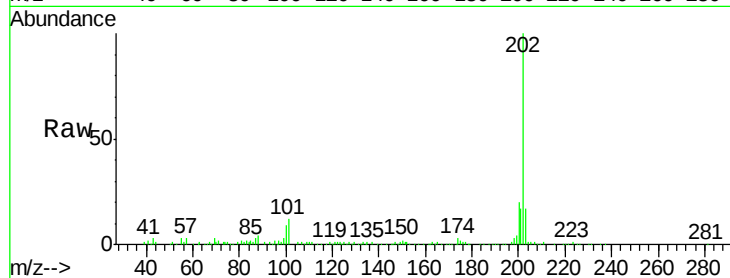
Tgt Ion:202 Resp: 107144

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

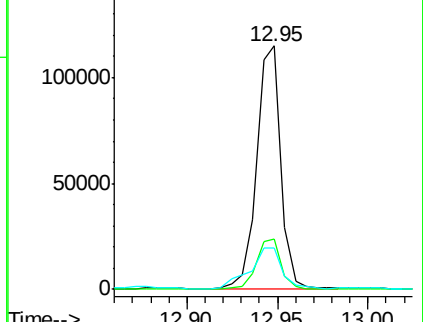
203 16.8 14.3 21.5



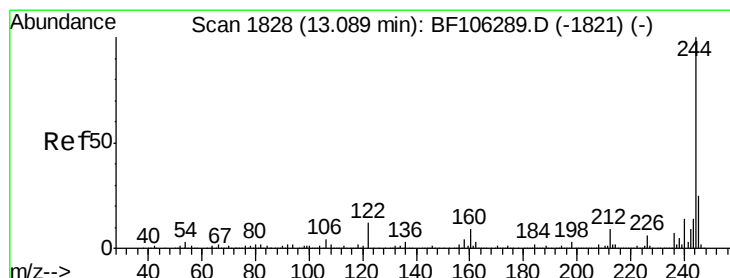
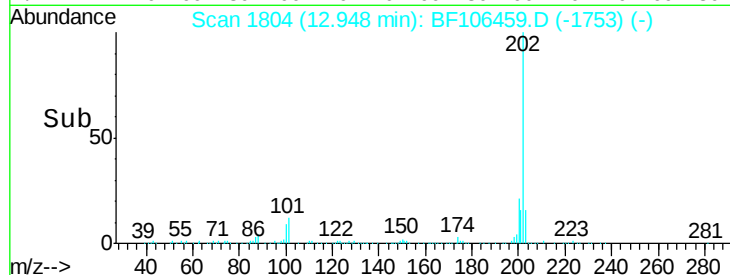
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 67.125 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF106459.D

Acq: 14 Jun 2018 22:51

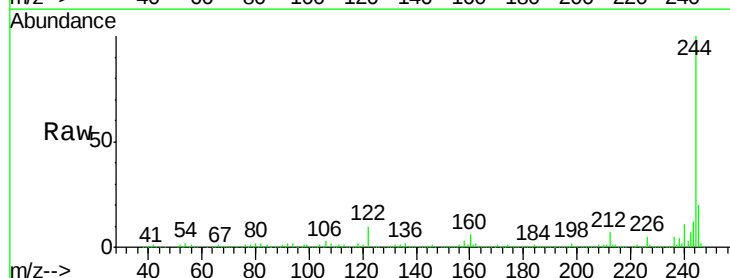
Tgt Ion:244 Resp: 769687

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

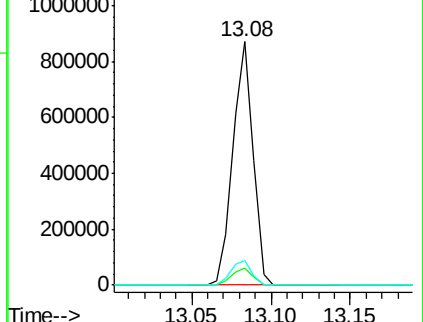
122 10.2 11.0 16.4#



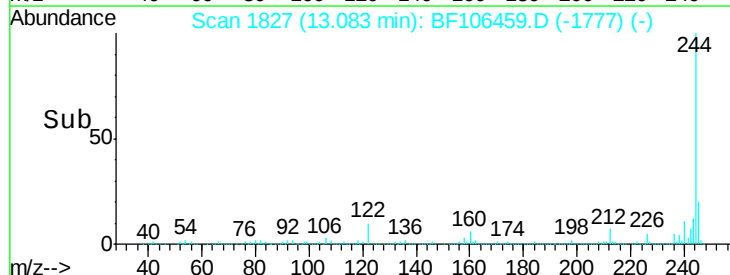
Abundance Ion 244.00 (243.70 to 244.70): E

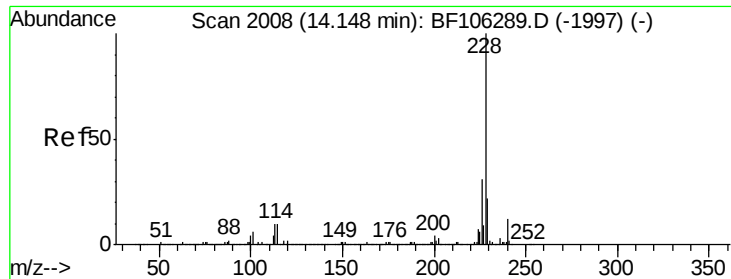
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

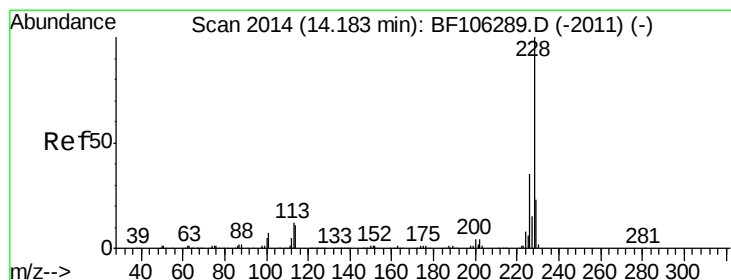
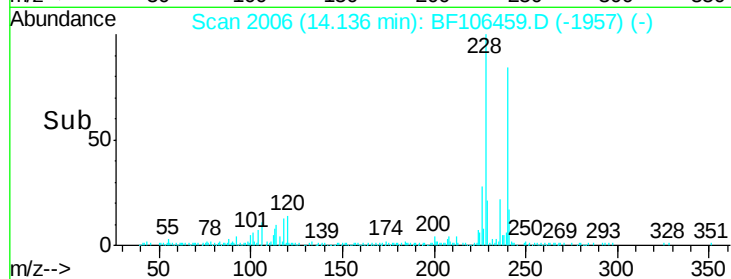
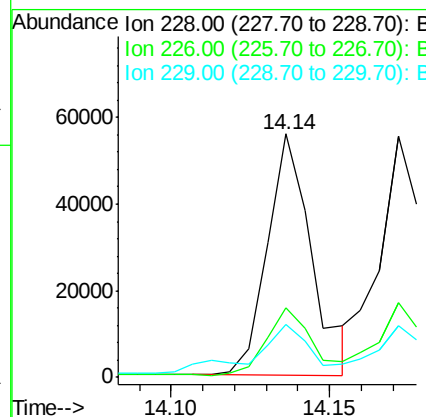
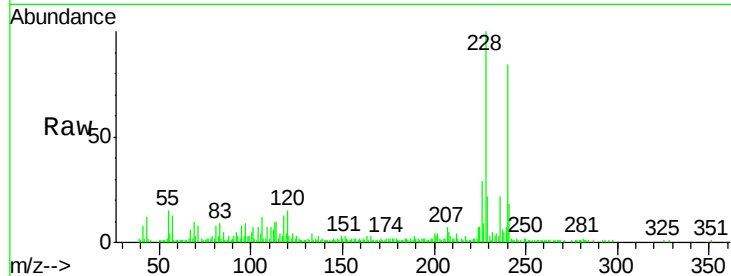




#80
Benzo(a)anthracene
Concen: 3.206 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF106459.D
Acq: 14 Jun 2018 22:51

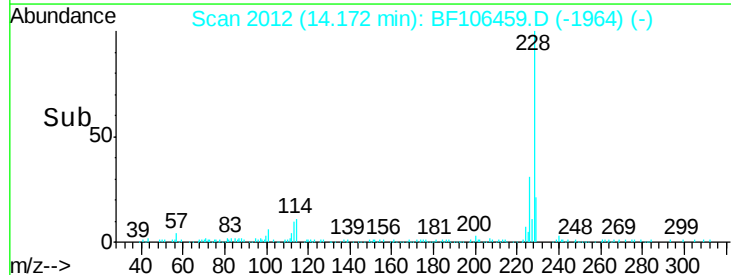
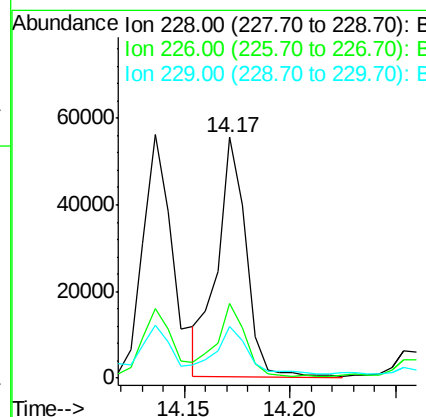
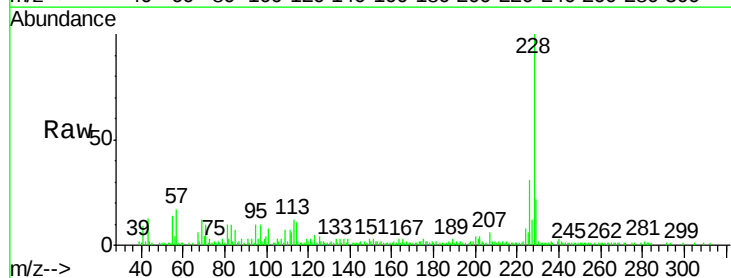
Instrument :
BNA_F
ClientSampleId :
#1

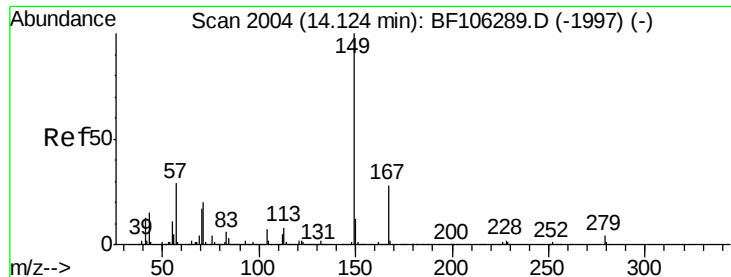
Tgt Ion:228 Resp: 54336
Ion Ratio Lower Upper
228 100
226 28.7 22.6 33.8
229 22.0 15.8 23.6



#82
Chrysene
Concen: 3.374 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF106459.D
Acq: 14 Jun 2018 22:51

Tgt Ion:228 Resp: 52215
Ion Ratio Lower Upper
228 100
226 31.2 25.0 37.6
229 21.7 16.2 24.4

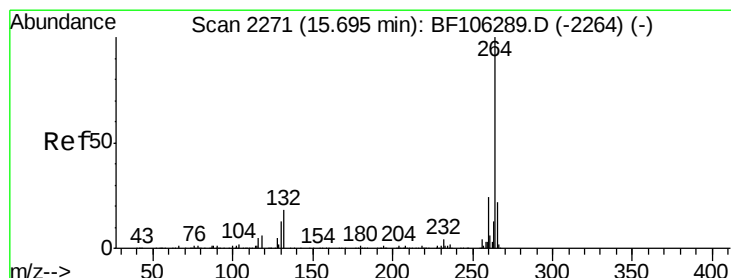
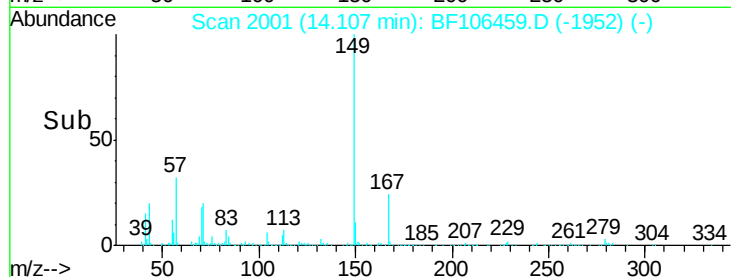
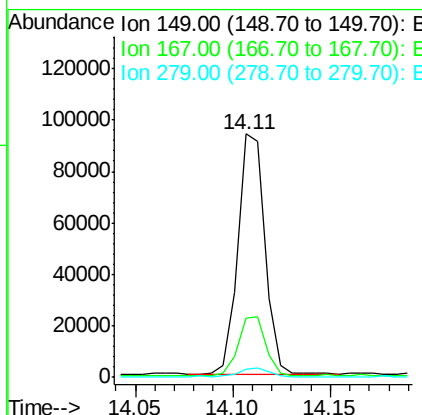
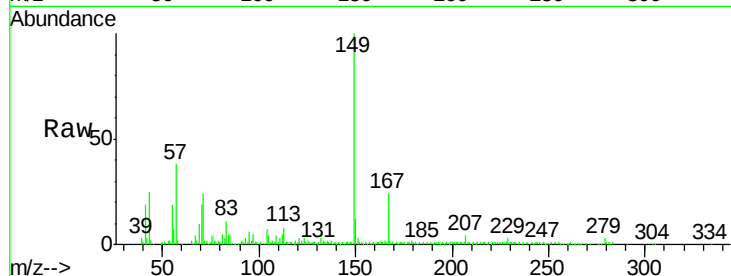




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 9.414 ng
 RT: 14.11 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF106459.D
 Acq: 14 Jun 2018 22:51

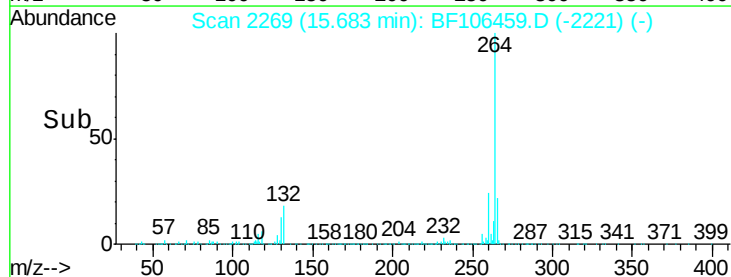
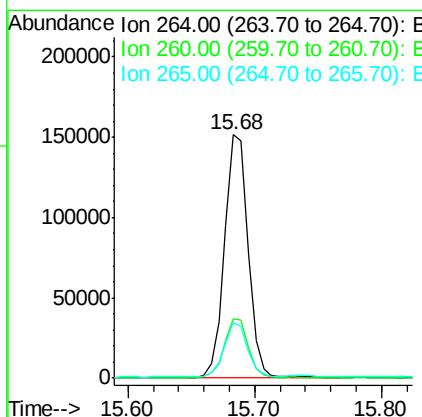
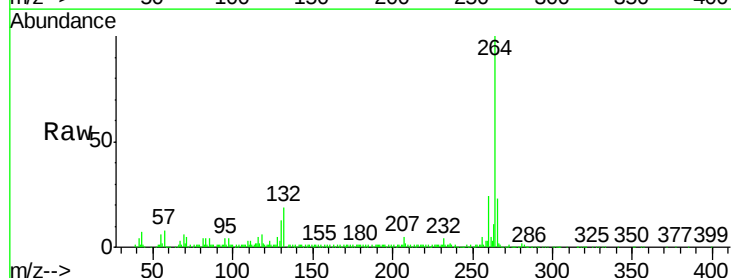
Instrument :
 BNA_F
 ClientSampleId :
 #1

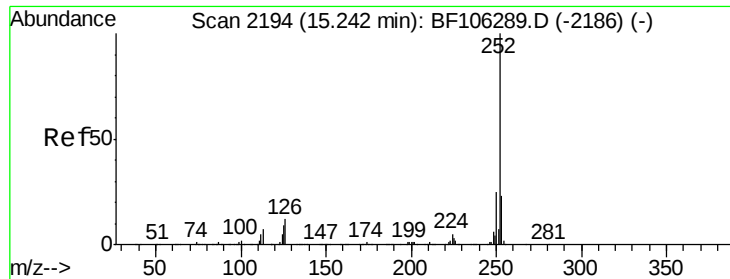
Tgt Ion:149 Resp: 90090
 Ion Ratio Lower Upper
 149 100
 167 24.4 21.3 31.9
 279 3.4 3.0 4.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2269
 Delta R.T. -0.02 min
 Lab File: BF106459.D
 Acq: 14 Jun 2018 22:51

Tgt Ion:264 Resp: 196648
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 22.5 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 6.095 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BF106459.D

Acq: 14 Jun 2018 22:51

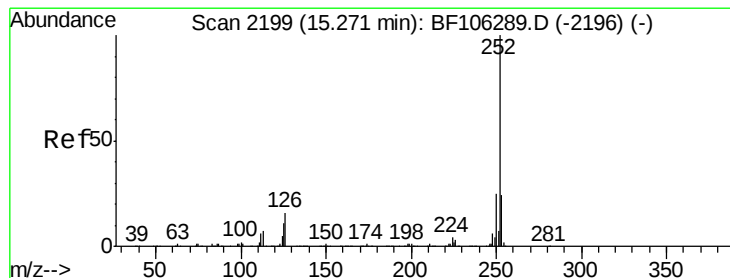
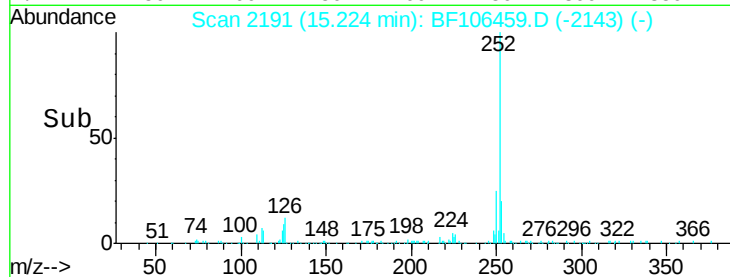
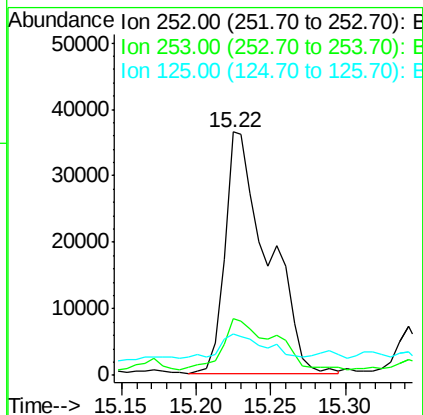
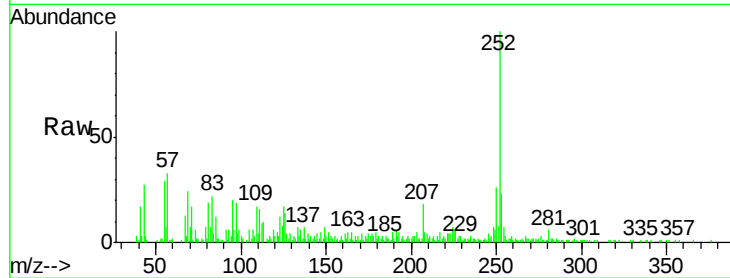
Instrument :

BNA_F

ClientSampleId :

#1

Tgt Ion:	252	Resp:	72447
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.0	25.6
125	16.7	9.0	13.6#



#88

Benzo(k)fluoranthene

Concen: 6.154 ng

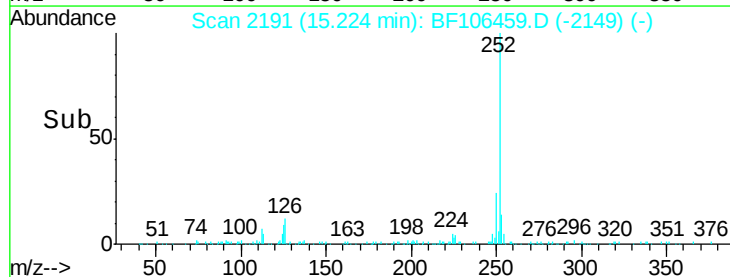
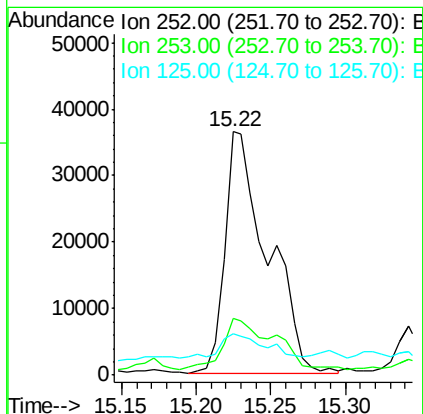
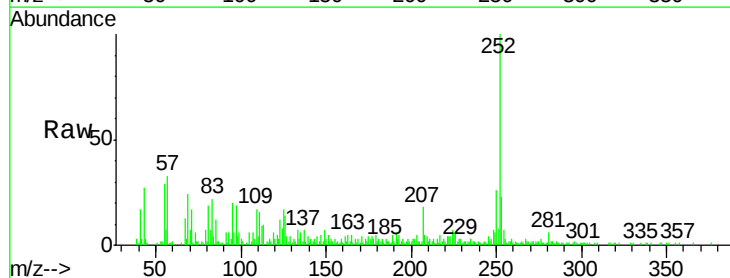
RT: 15.22 min Scan# 2191

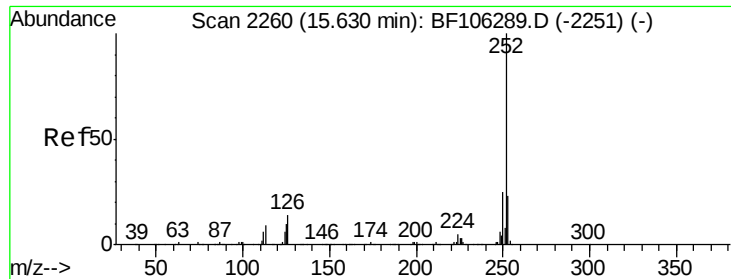
Delta R.T. -0.05 min

Lab File: BF106459.D

Acq: 14 Jun 2018 22:51

Tgt Ion:	252	Resp:	72447
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.9	26.9
125	16.7	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 3.237 ng

RT: 15.61 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BF106459.D

Acq: 14 Jun 2018 22:51

Instrument :

BNA_F

ClientSampleId :

#1

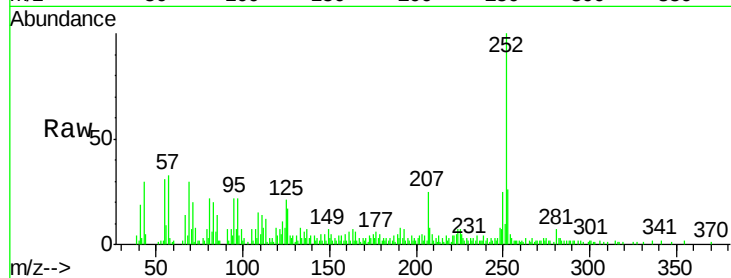
Tgt Ion:252 Resp: 34607

Ion Ratio Lower Upper

252 100

253 25.7 17.1 25.7#

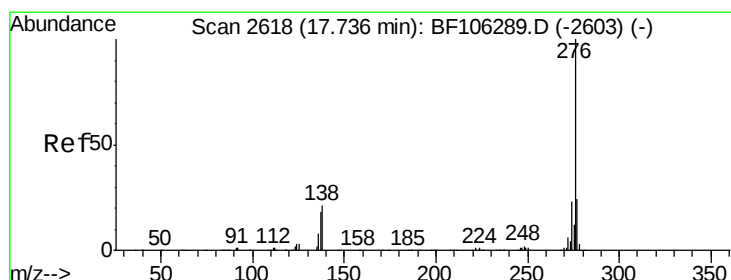
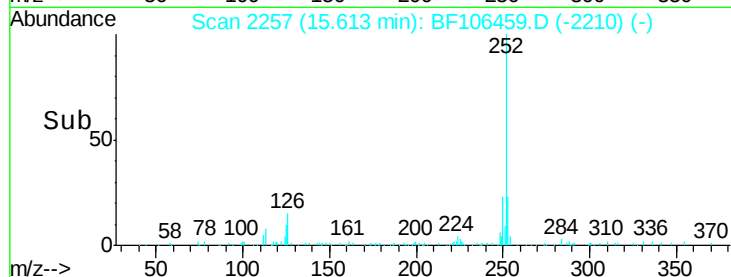
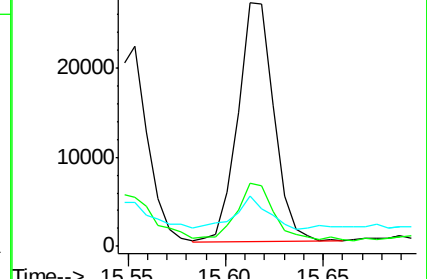
125 20.6 9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 2.708 ng

RT: 17.72 min Scan# 2616

Delta R.T. -0.02 min

Lab File: BF106459.D

Acq: 14 Jun 2018 22:51

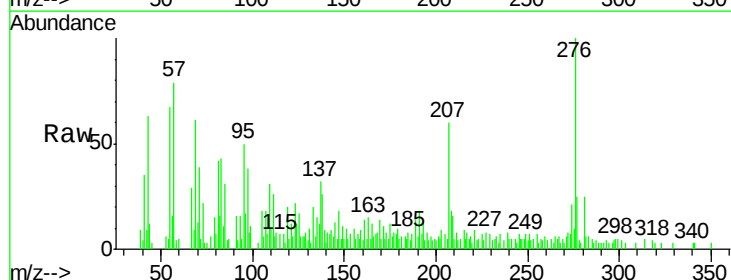
Tgt Ion:276 Resp: 23461

Ion Ratio Lower Upper

276 100

277 24.8 17.9 26.9

138 25.8 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

