

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061418\
 Data File : BF106460.D
 Acq On : 14 Jun 2018 23:18
 Operator : JU/SJ
 Sample : J3471-04
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 #2

Quant Time: Jun 15 01:14:27 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	125973	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	451319	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	184991	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	326699	20.00	ng	0.00
75) Chrysene-d12	14.15	240	291548	20.00	ng	-0.01
86) Perylene-d12	15.68	264	205437	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	675275	90.73	ng	0.00
7) Phenol-d6	6.61	99	815950	86.77	ng	0.00
23) Nitrobenzene-d5	7.52	82	519213	67.68	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	175041	98.34	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	798020	73.23	ng	0.00
78) Terphenyl-d14	13.08	244	753943	64.23	ng	0.00

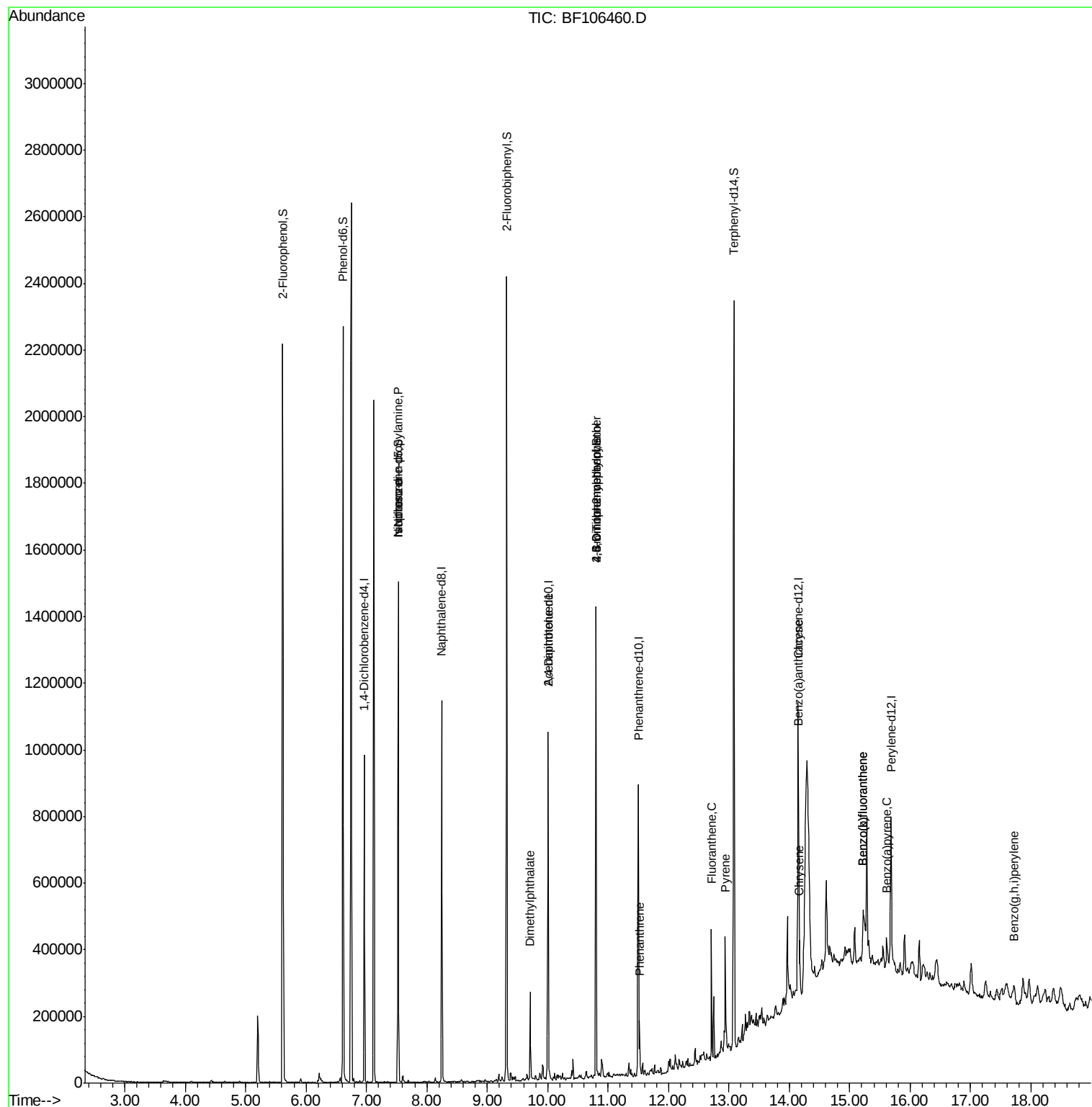
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	70950	10.057	ng	# 74
25) Isophorone	7.52	82	519207	34.649	ng	# 64
49) Dimethylphthalate	9.71	163	86646	6.556	ng	99
56) 2,4-Dinitrotoluene	10.01	165	24031	7.088	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	313	6.449	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	11967	3.221	ng	# 1
70) Phenanthrene	11.52	178	55306	3.457	ng	97
74) Fluoranthene	12.71	202	138242	8.102	ng	98
77) Pyrene	12.94	202	136607	7.484	ng	99
80) Benzo(a)anthracene	14.14	228	67287	3.878	ng	98
82) Chrysene	14.17	228	64457	4.069	ng	97
87) Benzo(b)fluoranthene	15.22	252	85848	6.913	ng	# 90
88) Benzo(k)fluoranthene	15.22	252	85848	6.980	ng	# 93
89) Benzo(a)pyrene	15.61	252	42870	3.838	ng	# 90
91) Benzo(g,h,i)perylene	17.72	276	25688	2.838	ng	# 91

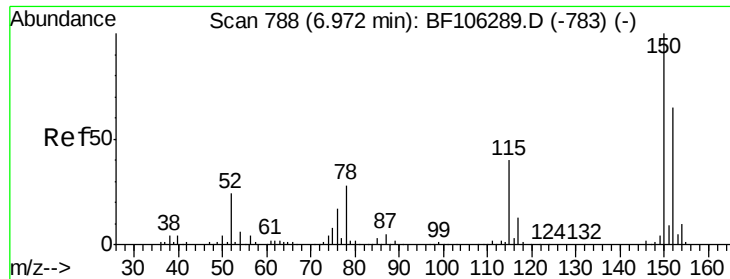
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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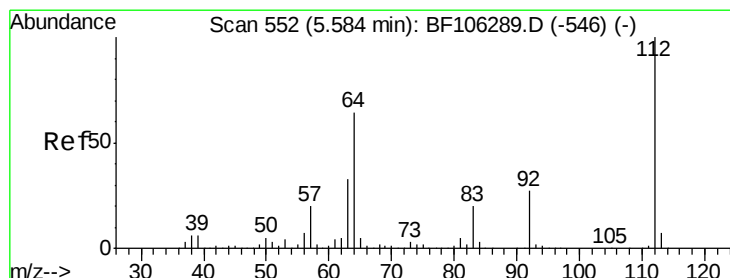
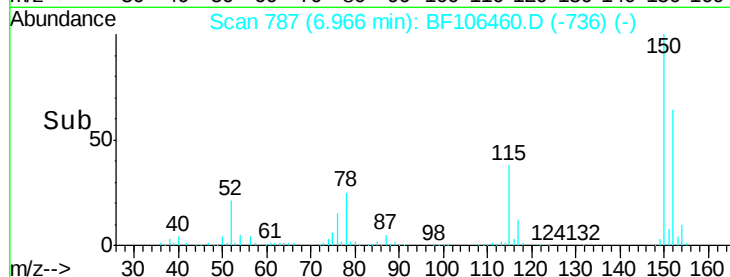
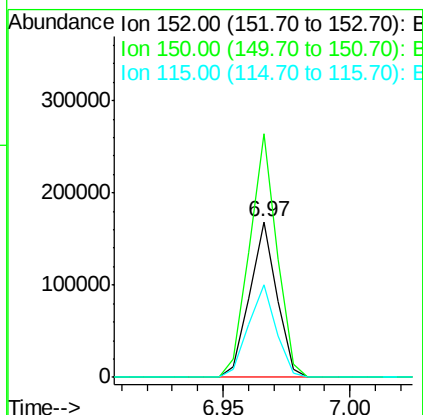
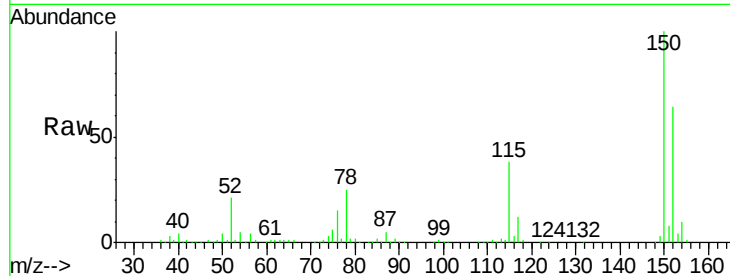


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF106460.D
Acq: 14 Jun 2018 23:18

Instrument :
BNA_F
ClientSampleId :
#2

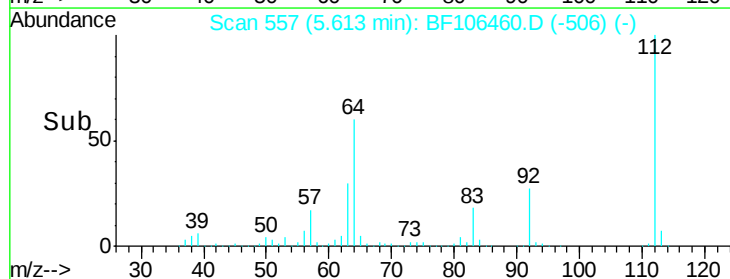
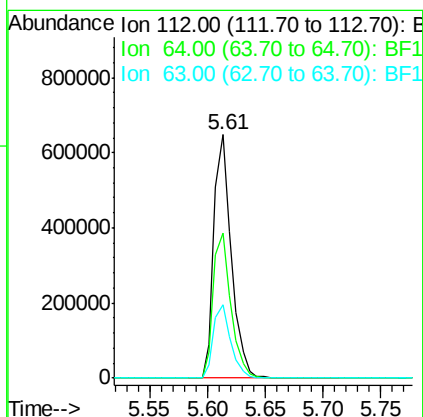
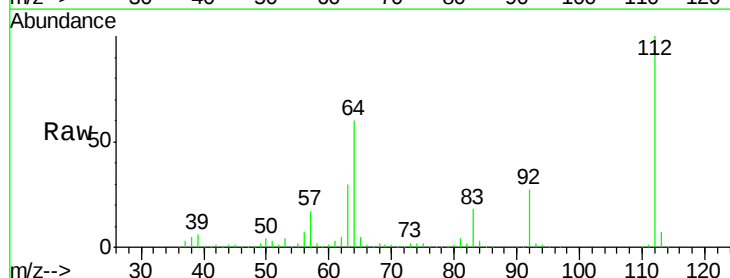
Tgt Ion:152 Resp: 125973
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 59.2 50.1 75.1

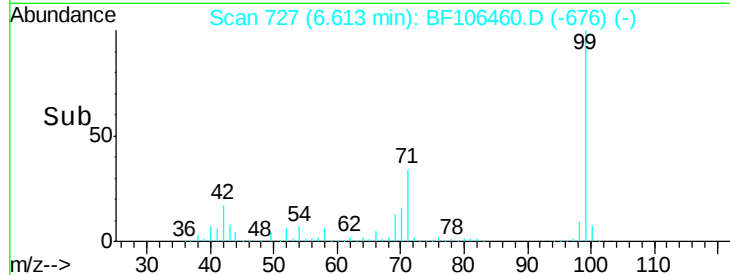
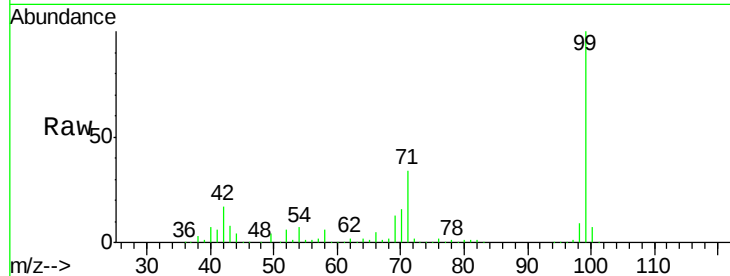


#5

2-Fluorophenol
Concen: 90.726 ng
RT: 5.61 min Scan# 557
Delta R.T. -0.00 min
Lab File: BF106460.D
Acq: 14 Jun 2018 23:18

Tgt Ion:112 Resp: 675275
Ion Ratio Lower Upper
112 100
64 59.7 47.9 71.9
63 29.9 23.7 35.5





#7

Phenol-d6

Concen: 86.770 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.00 min

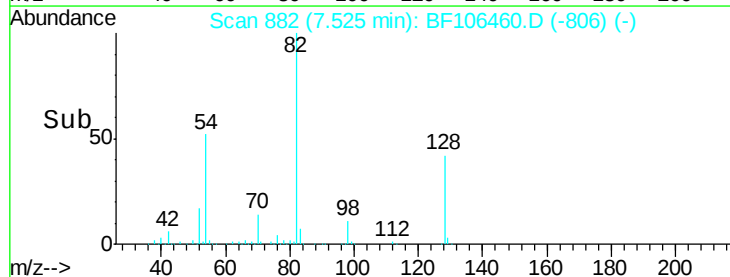
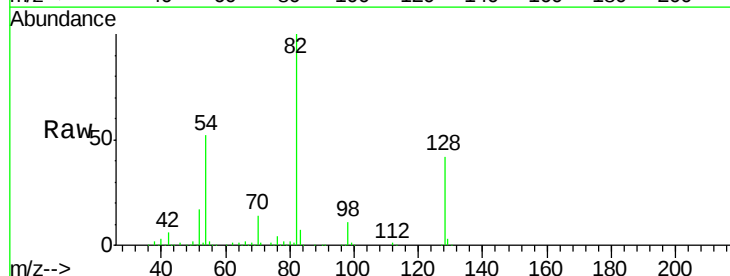
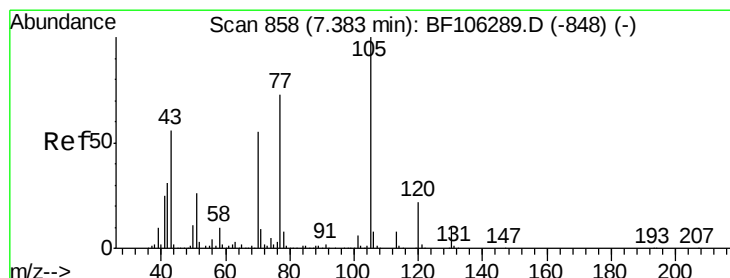
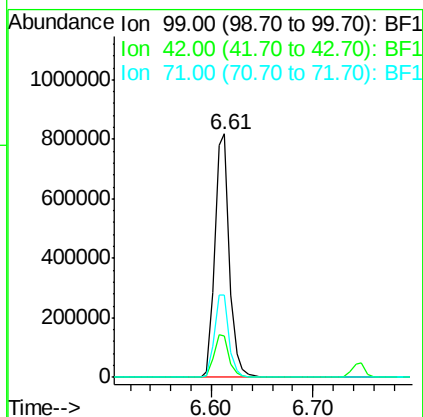
Lab File: BF106460.D

Acq: 14 Jun 2018 23:18

Instrument :
BNA_F
ClientSampleId :
#2

Tgt Ion: 99 Resp: 815950

Ion	Ratio	Lower	Upper
99	100		
42	16.8	14.5	21.7
71	34.0	25.4	38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.057 ng

RT: 7.52 min Scan# 882

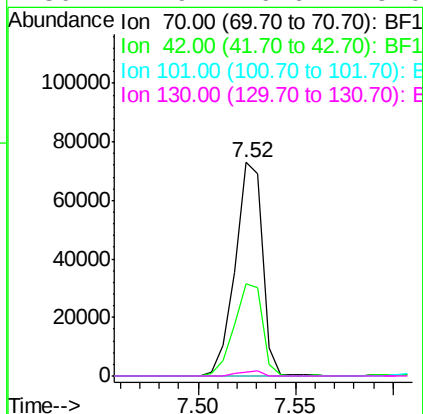
Delta R.T. 0.15 min

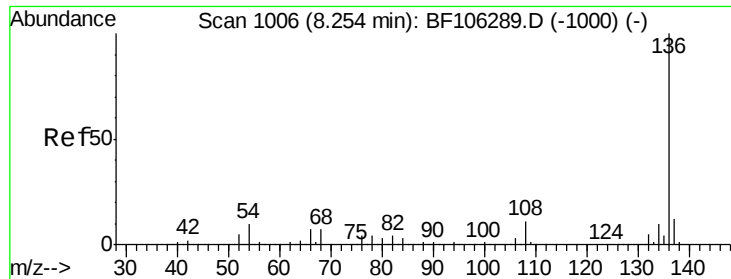
Lab File: BF106460.D

Acq: 14 Jun 2018 23:18

Tgt Ion: 70 Resp: 70950

Ion	Ratio	Lower	Upper
70	100		
42	43.4	47.5	71.3#
101	0.0	7.4	11.2#
130	1.9	16.6	25.0#

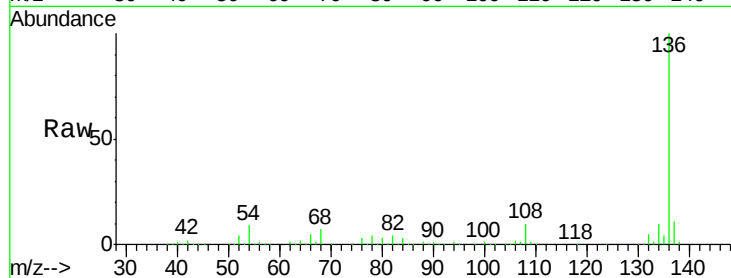




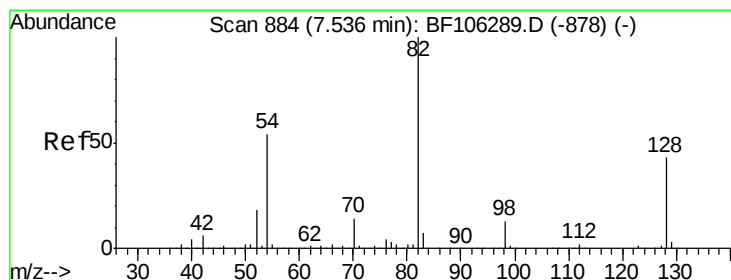
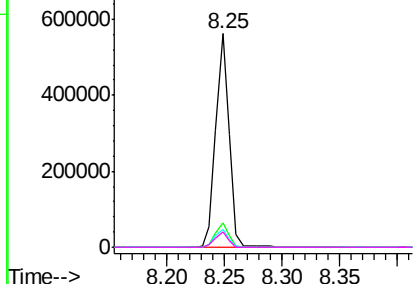
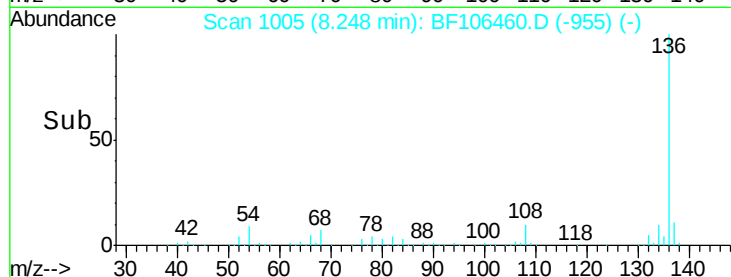
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF106460.D
Acq: 14 Jun 2018 23:18

Instrument :
BNA_F
ClientSampled :
#2

Tgt Ion:	136	Resp:	451319
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.6	6.6	9.8
68	7.1	5.0	7.4

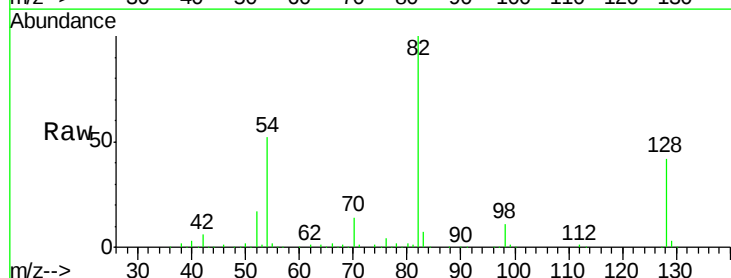


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

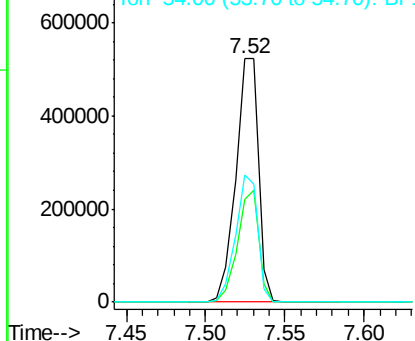
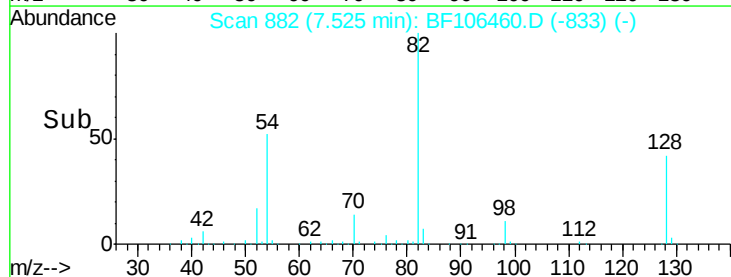


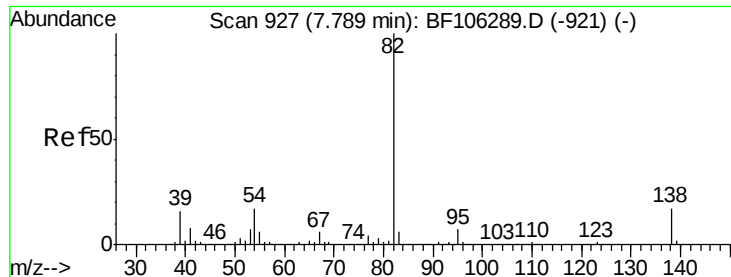
#23
Nitrobenzene-d5
Concen: 67.678 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106460.D
Acq: 14 Jun 2018 23:18

Tgt Ion:	82	Resp:	519213
Ion	Ratio	Lower	Upper
82	100		
128	42.3	36.1	54.1
54	52.3	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: 34.649 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF106460.D

Acq: 14 Jun 2018 23:18

Instrument :

BNA_F

ClientSampleId :

#2

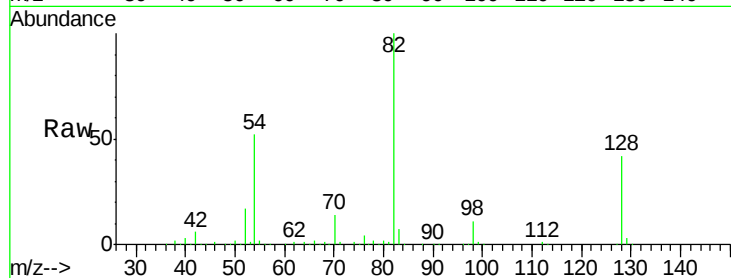
Tgt Ion: 82 Resp: 519207

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

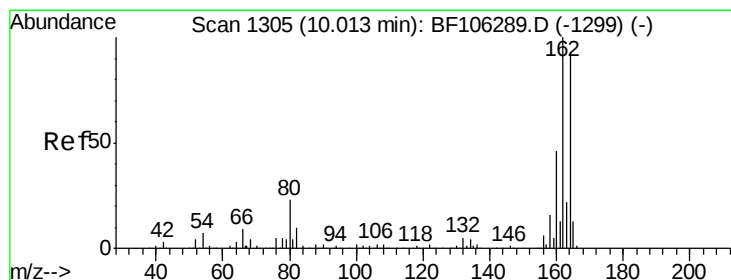
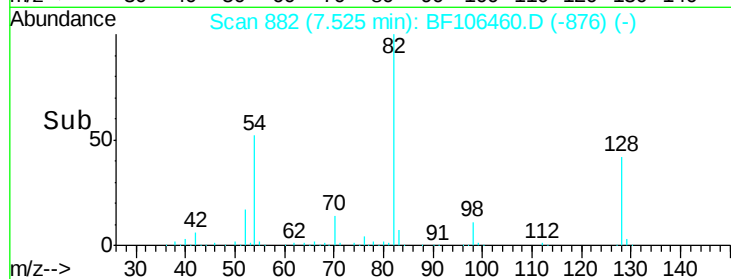
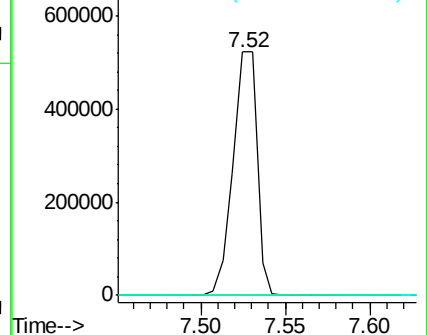
138 0.0 14.9 22.3#



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. -0.01 min

Lab File: BF106460.D

Acq: 14 Jun 2018 23:18

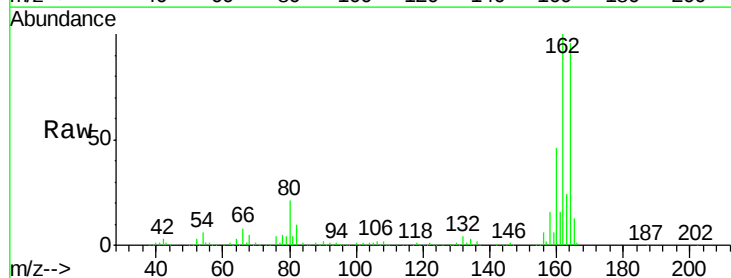
Tgt Ion: 164 Resp: 184991

Ion Ratio Lower Upper

164 100

162 104.4 86.1 129.1

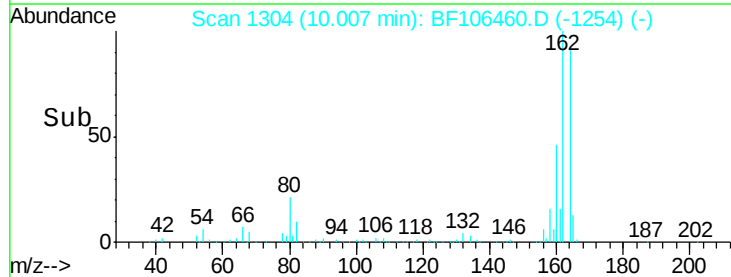
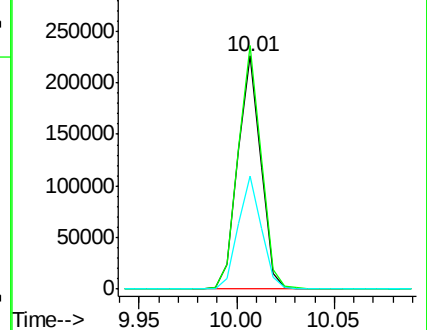
160 48.2 38.3 57.5

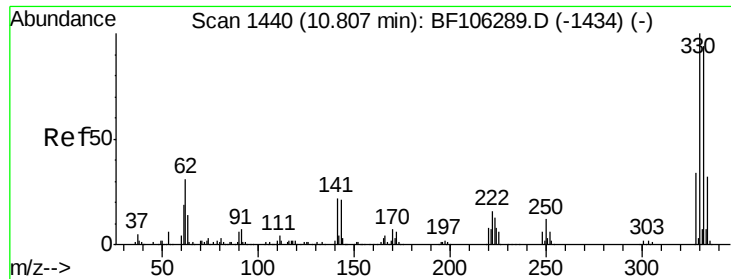


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

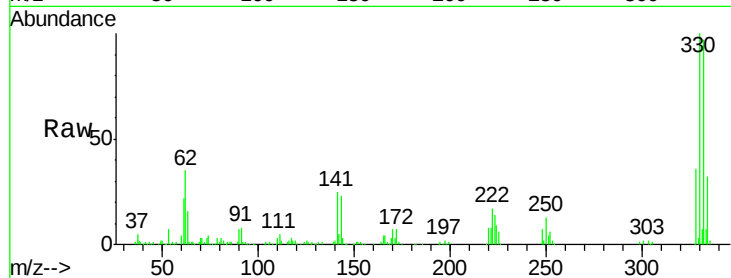




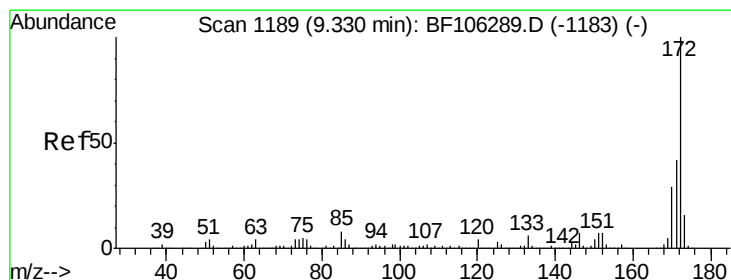
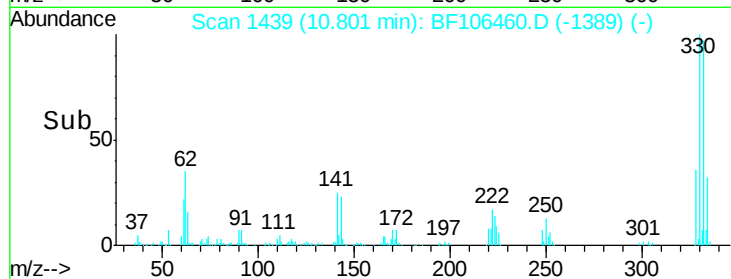
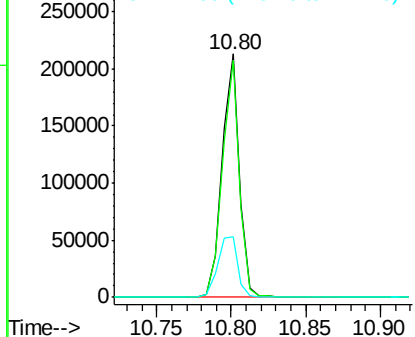
#41
 2,4,6-Tribromophenol
 Concen: 98.341 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF106460.D
 Acq: 14 Jun 2018 23:18

Instrument :
 BNA_F
 ClientSampleId :
 #2

Tgt Ion:330 Resp: 175041
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 29.0 29.9 44.9#

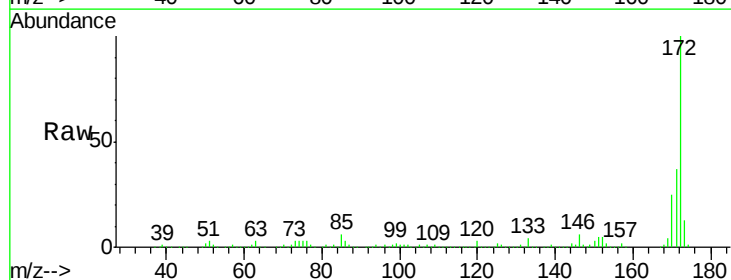


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

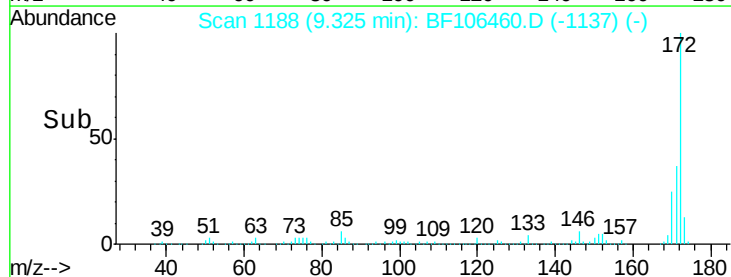
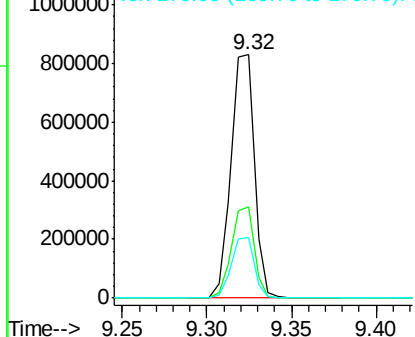


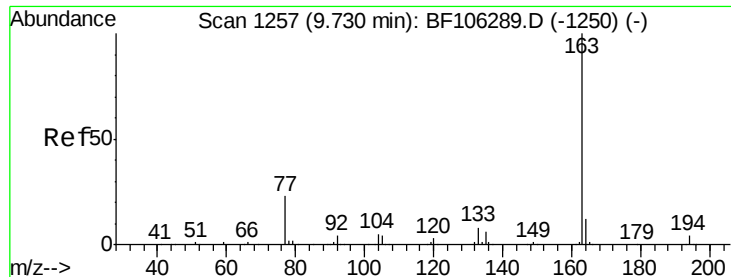
#44
 2-Fluorobiphenyl
 Concen: 73.232 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: BF106460.D
 Acq: 14 Jun 2018 23:18

Tgt Ion:172 Resp: 798020
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.7 44.5
 170 24.9 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

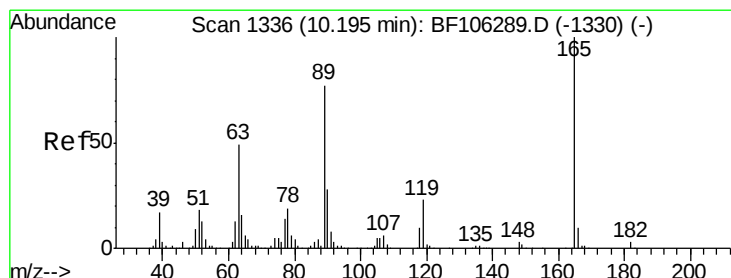
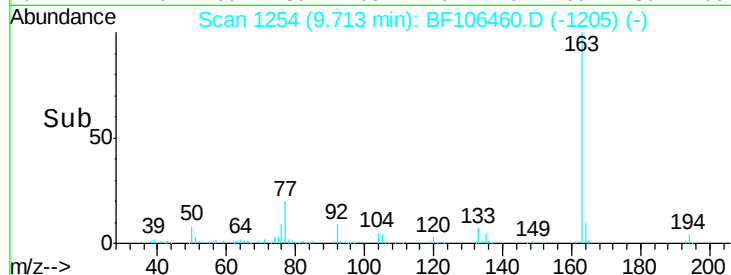
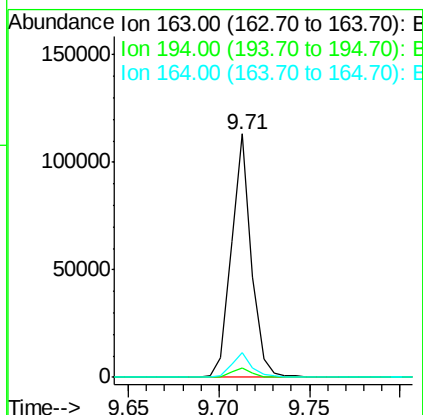
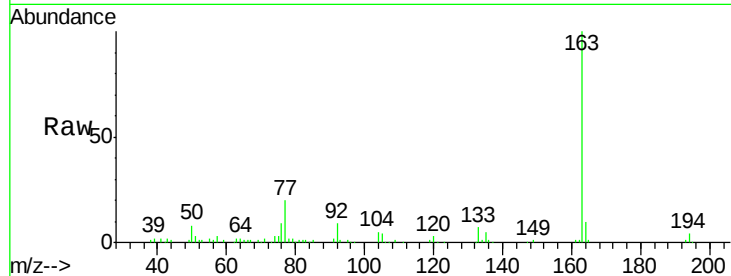




#49
Dimethylphthalate
Concen: 6.556 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BF106460.D
Acq: 14 Jun 2018 23:18

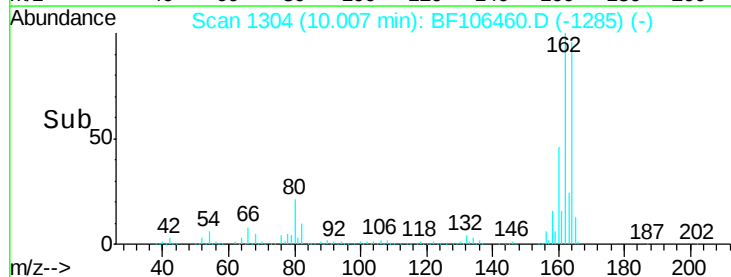
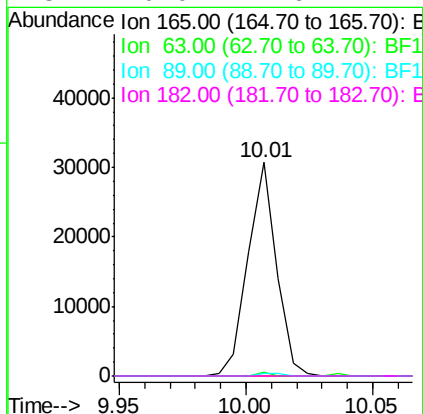
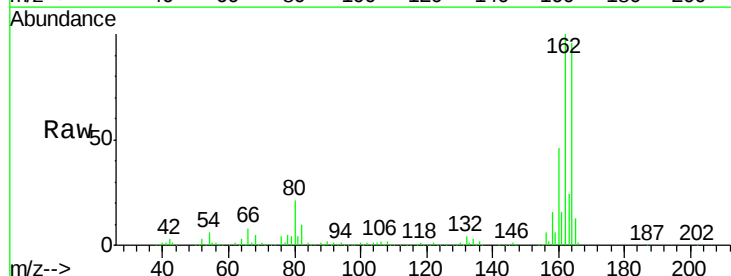
Instrument :
BNA_F
ClientSampleId :
#2

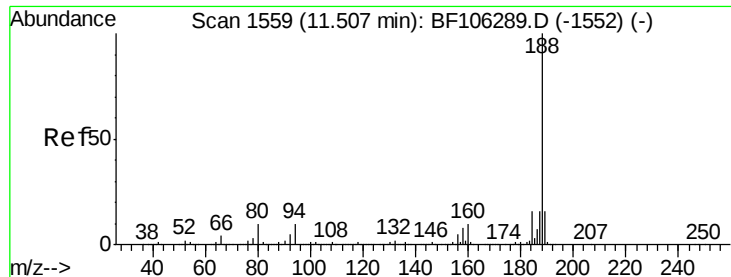
Tgt Ion:163 Resp: 86646
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.0 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 7.088 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.19 min
Lab File: BF106460.D
Acq: 14 Jun 2018 23:18

Tgt Ion:165 Resp: 24031
Ion Ratio Lower Upper
165 100
63 2.0 36.4 54.6#
89 1.0 57.8 86.6#
182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BF106460.D

Acq: 14 Jun 2018 23:18

Instrument :

BNA_F

ClientSampleId :

#2

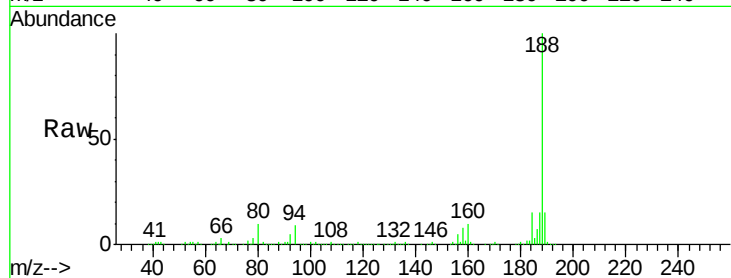
Tgt Ion:188 Resp: 326699

Ion Ratio Lower Upper

188 100

94 8.8 8.5 12.7

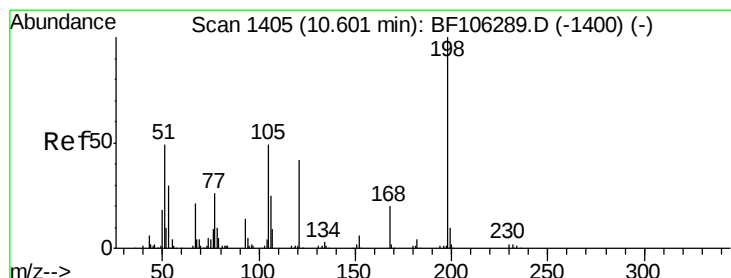
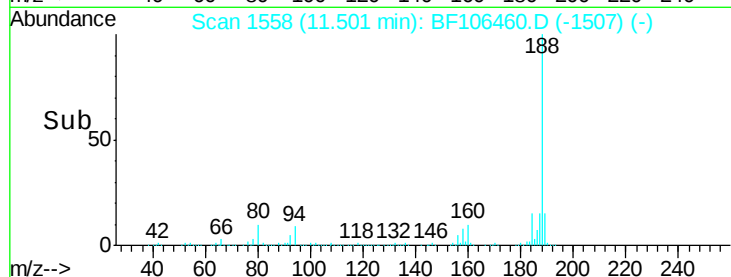
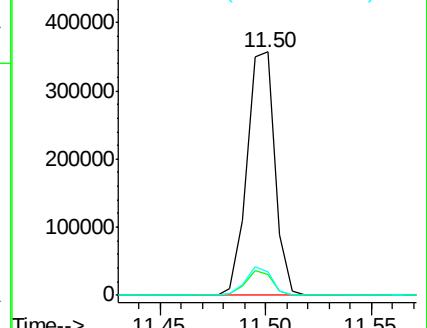
80 9.5 9.2 13.8



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: 6.449 ng

RT: 10.80 min Scan# 1438

Delta R.T. 0.19 min

Lab File: BF106460.D

Acq: 14 Jun 2018 23:18

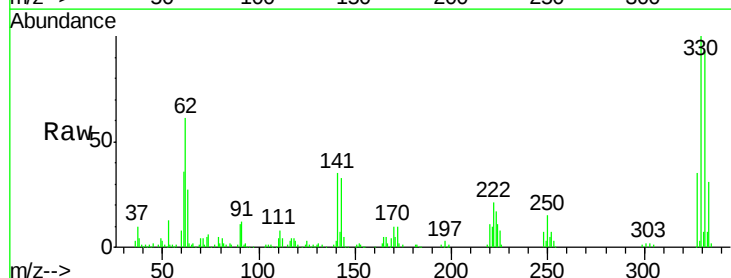
Tgt Ion:198 Resp: 313

Ion Ratio Lower Upper

198 100

51 184.8 37.7 77.7#

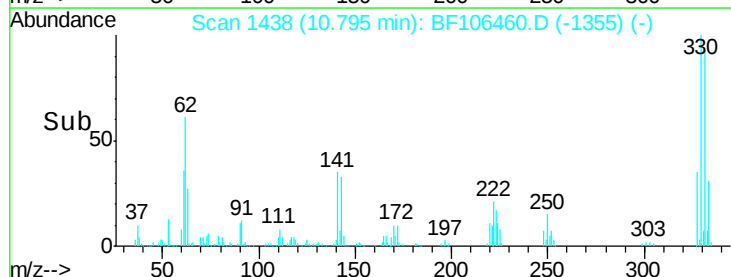
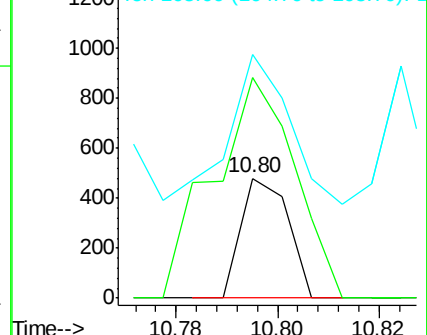
105 203.5 36.3 76.3#

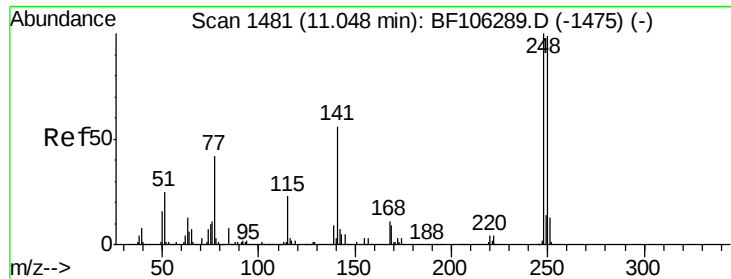


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

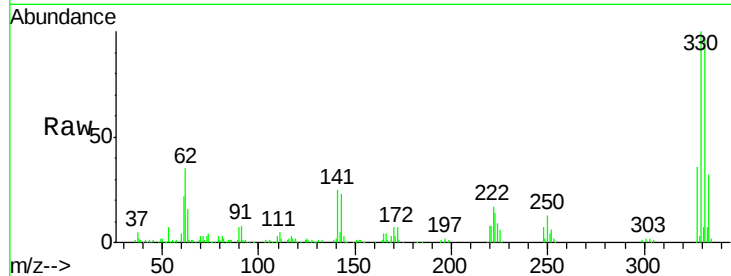




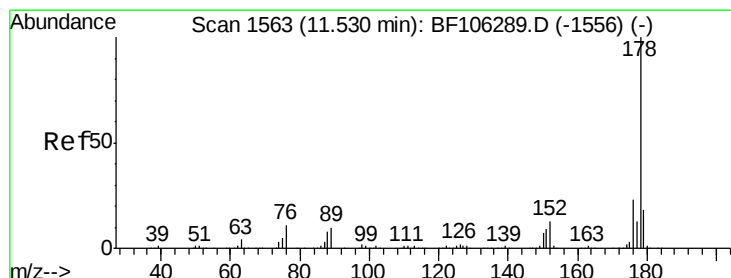
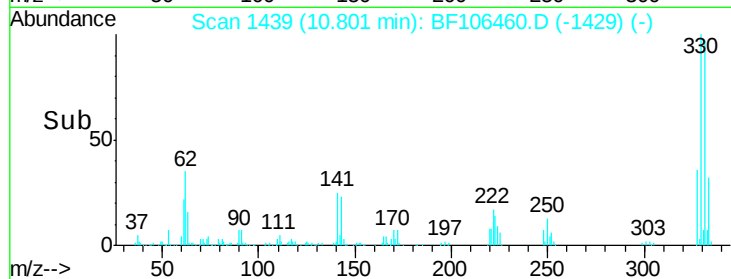
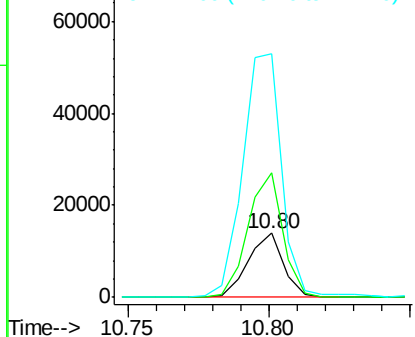
#66
 4-Bromophenyl-phenylether
 Concen: 3.221 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF106460.D
 Acq: 14 Jun 2018 23:18

Instrument :
 BNA_F
 ClientSampleId :
 #2

Tgt Ion:248 Resp: 11967
 Ion Ratio Lower Upper
 248 100
 250 194.3 76.9 115.3#
 141 379.9 74.4 111.6#

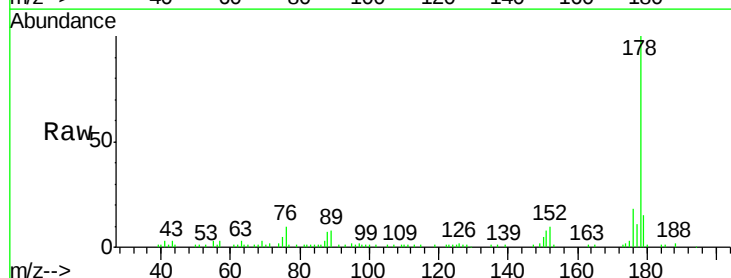


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

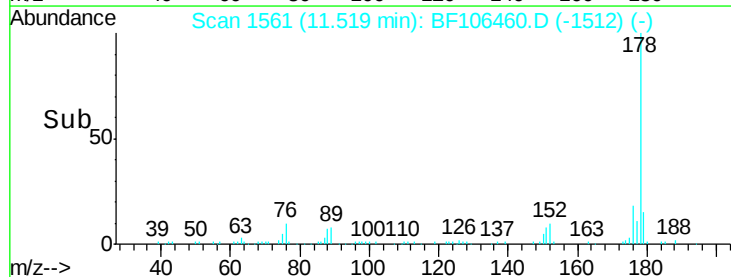
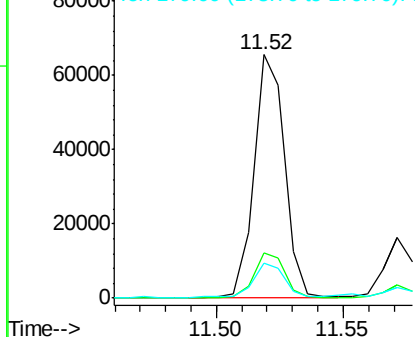


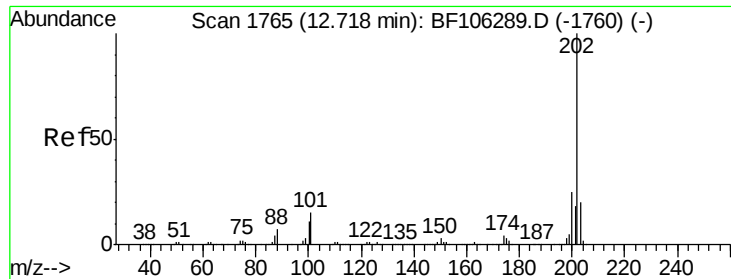
#70
 Phenanthrene
 Concen: 3.457 ng
 RT: 11.52 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF106460.D
 Acq: 14 Jun 2018 23:18

Tgt Ion:178 Resp: 55306
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.8 23.8
 179 14.6 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: 8.102 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106460.D

Acq: 14 Jun 2018 23:18

Instrument :

BNA_F

ClientSampleId :

#2

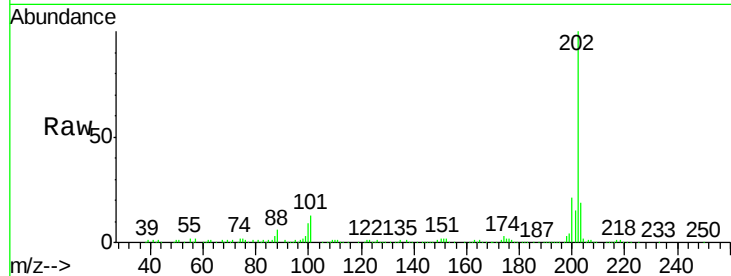
Tgt Ion:202 Resp: 138242

Ion Ratio Lower Upper

202 100

101 13.2 0.0 34.1

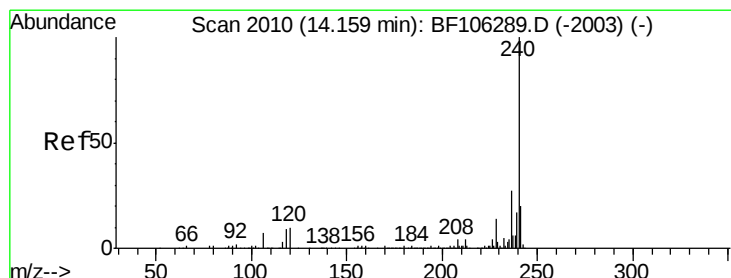
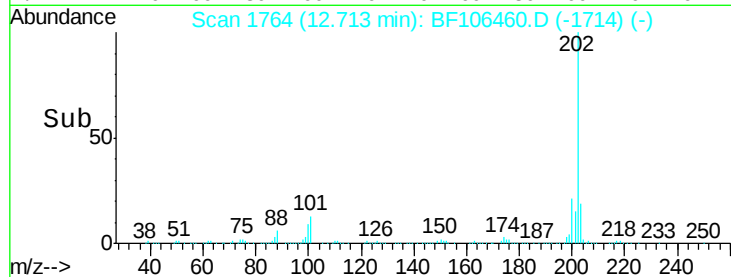
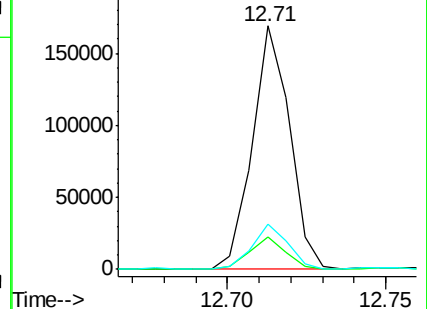
203 18.7 0.0 38.1



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: BF106460.D

Acq: 14 Jun 2018 23:18

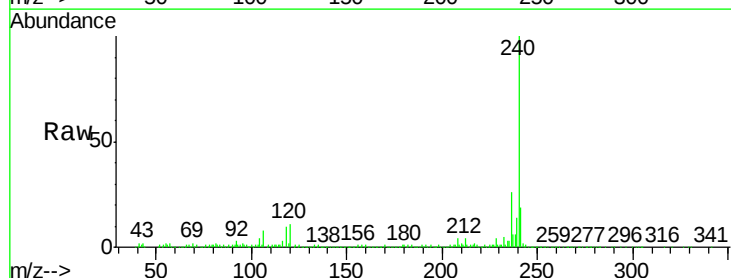
Tgt Ion:240 Resp: 291548

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

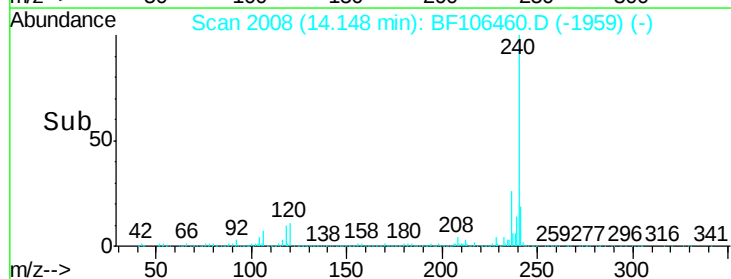
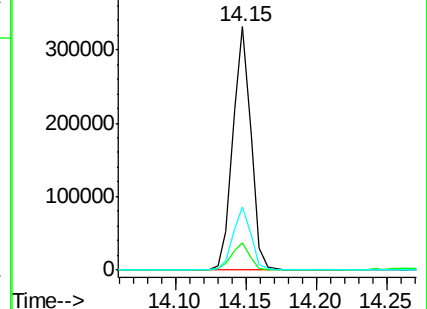
236 25.7 20.7 31.1

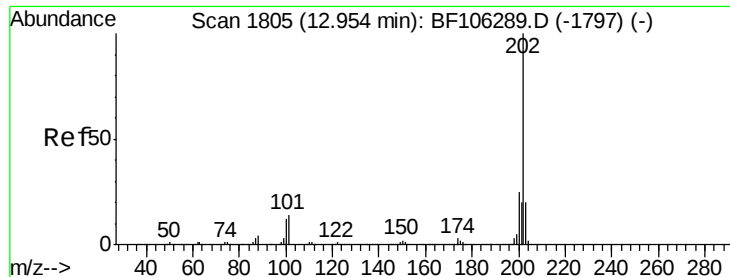


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

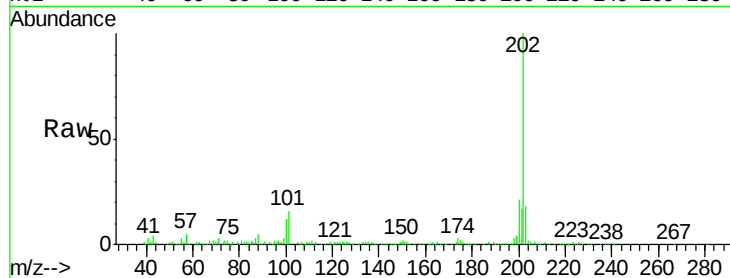




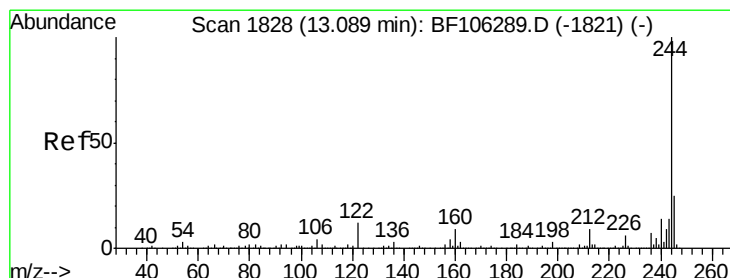
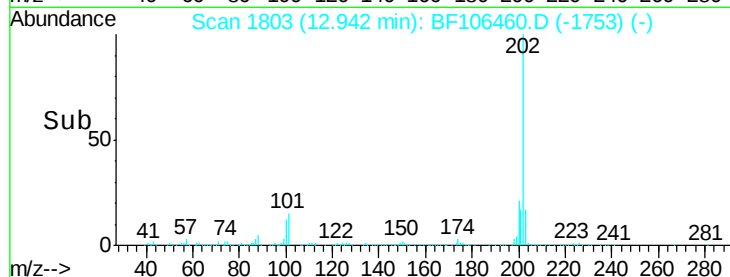
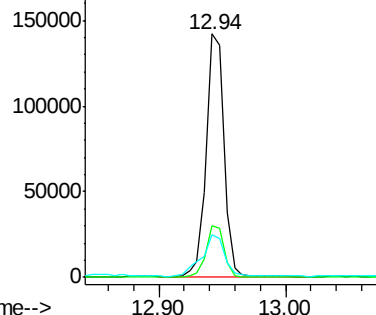
#77
 Pyrene
 Concen: 7.484 ng
 RT: 12.94 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: BF106460.D
 Acq: 14 Jun 2018 23:18

Instrument :
 BNA_F
 ClientSampleId :
 #2

Tgt Ion: 202 Resp: 136607
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.4 26.2
 203 17.7 14.3 21.5

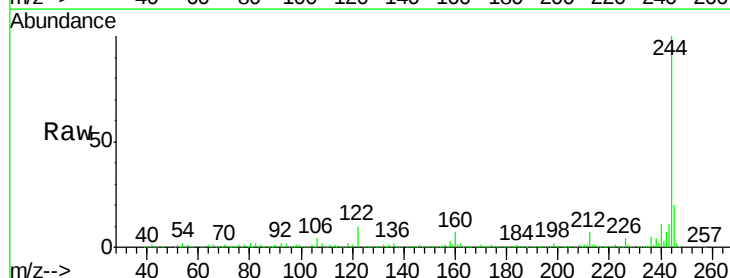


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

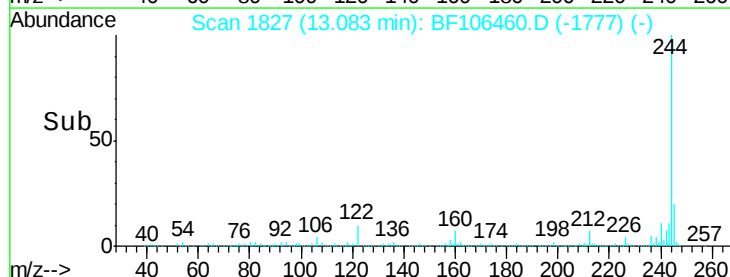
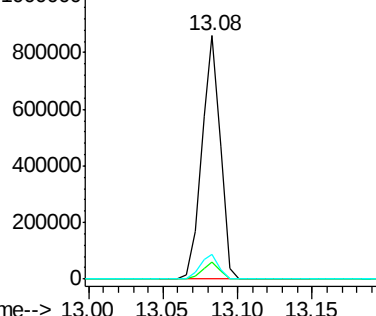


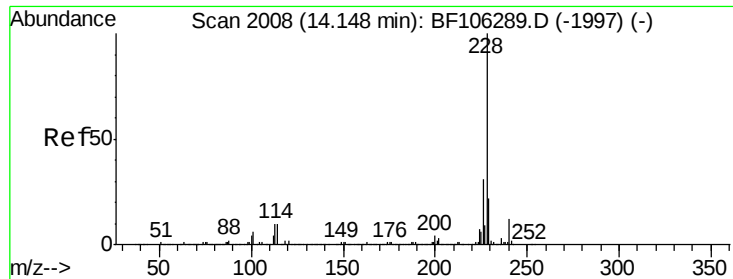
#78
 Terphenyl-d14
 Concen: 64.231 ng
 RT: 13.08 min Scan# 1827
 Delta R.T. -0.01 min
 Lab File: BF106460.D
 Acq: 14 Jun 2018 23:18

Tgt Ion: 244 Resp: 753943
 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

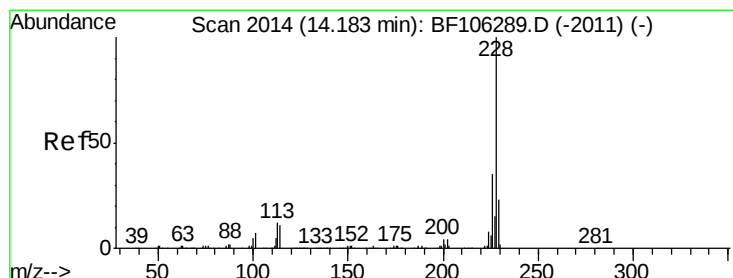
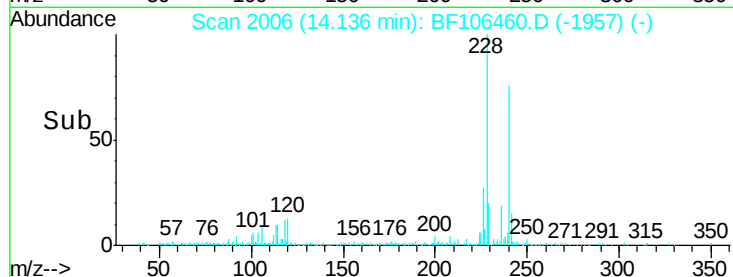
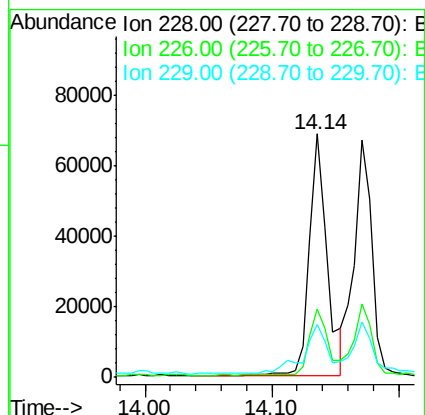
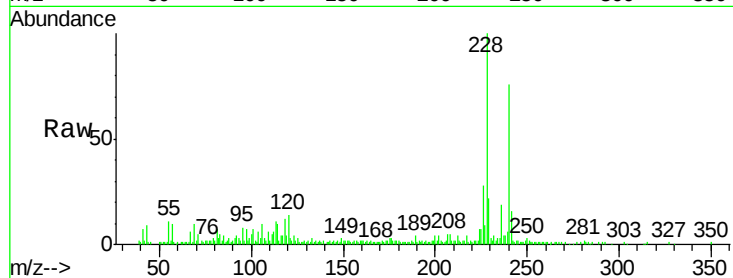




#80
Benzo(a)anthracene
Concen: 3.878 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF106460.D
Acq: 14 Jun 2018 23:18

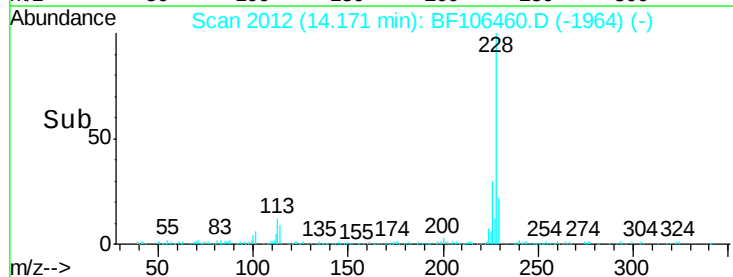
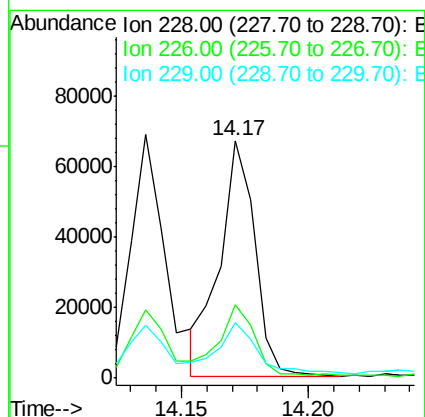
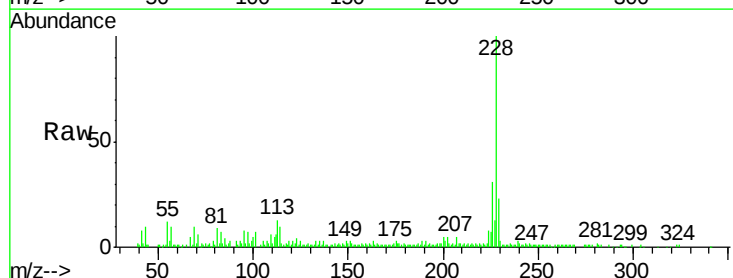
Instrument :
BNA_F
ClientSampleId :
#2

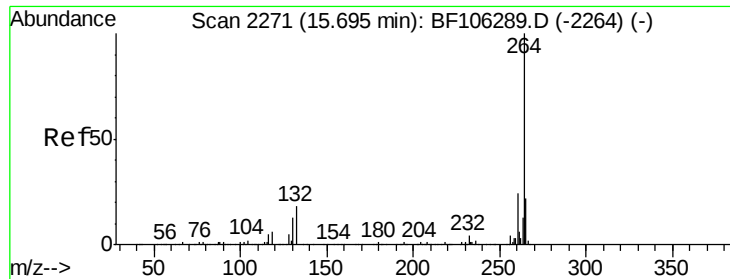
Tgt Ion:228 Resp: 67287
Ion Ratio Lower Upper
228 100
226 28.0 22.6 33.8
229 21.6 15.8 23.6



#82
Chrysene
Concen: 4.069 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF106460.D
Acq: 14 Jun 2018 23:18

Tgt Ion:228 Resp: 64457
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.6
229 23.2 16.2 24.4



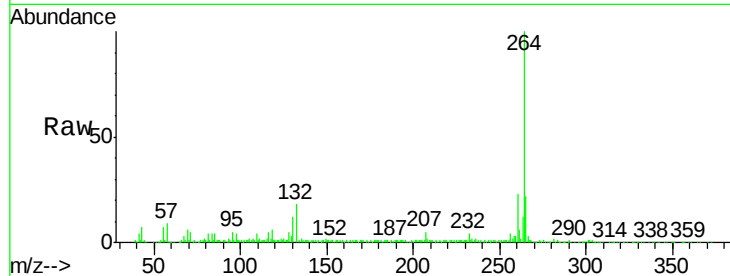


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF106460.D
Acq: 14 Jun 2018 23:18

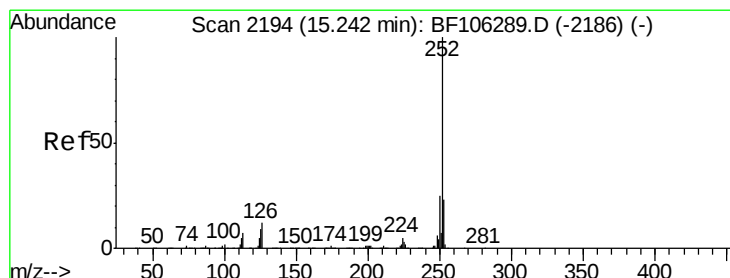
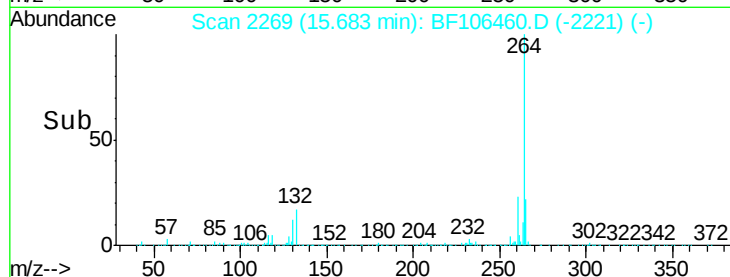
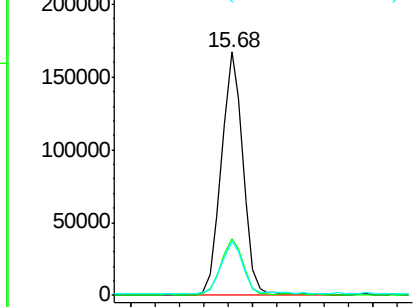
Instrument :
BNA_F
ClientSampleId :
#2

Tgt Ion:264 Resp: 205437

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.3	17.5	26.3



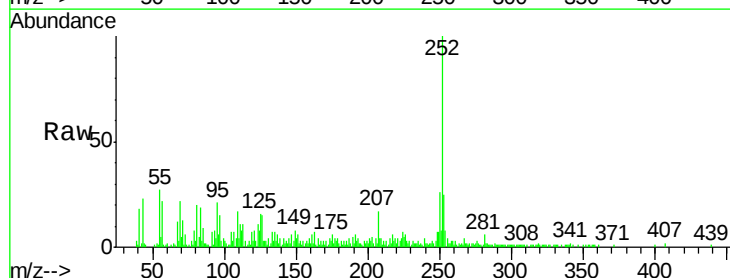
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



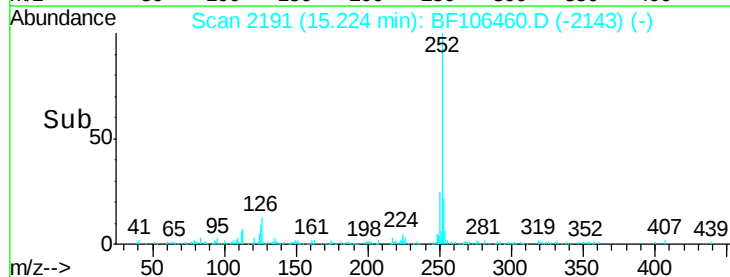
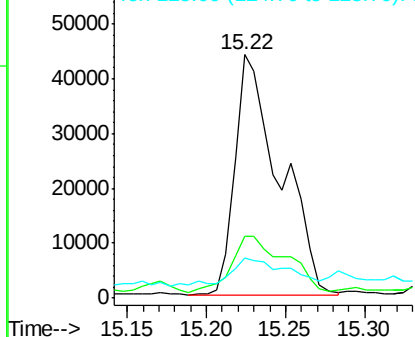
#87
Benzo(b)fluoranthene
Concen: 6.913 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BF106460.D
Acq: 14 Jun 2018 23:18

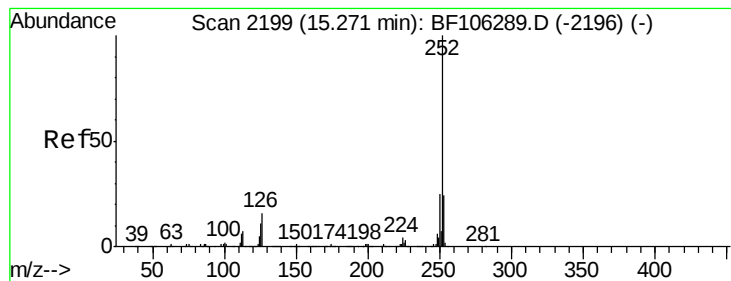
Tgt Ion:252 Resp: 85848

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.0	25.6
125	16.3	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: 6.980 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.05 min

Lab File: BF106460.D

Acq: 14 Jun 2018 23:18

Instrument :

BNA_F

ClientSampleId :

#2

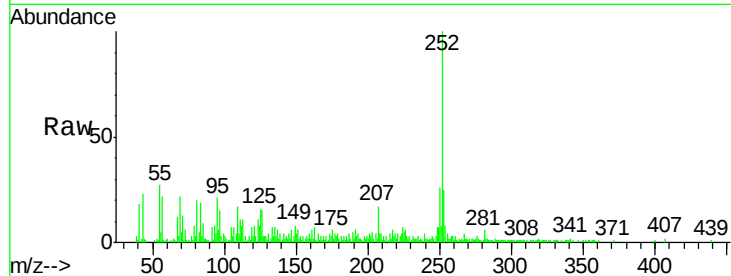
Tgt Ion:252 Resp: 85848

Ion Ratio Lower Upper

252 100

253 25.2 17.9 26.9

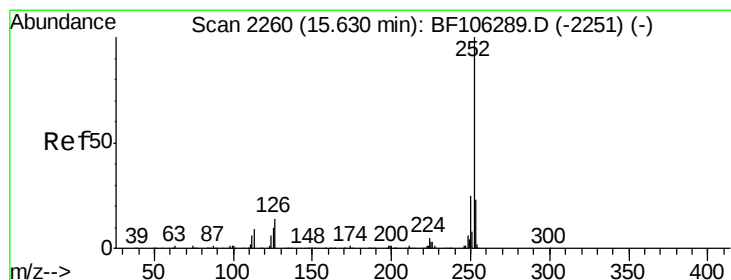
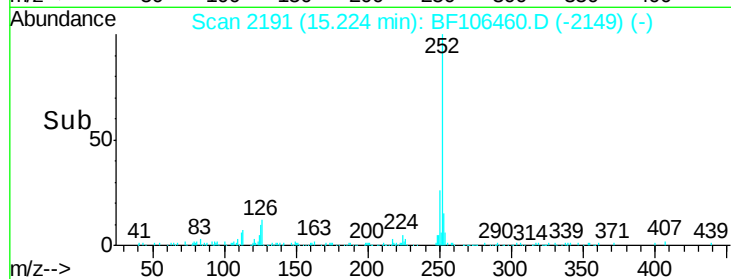
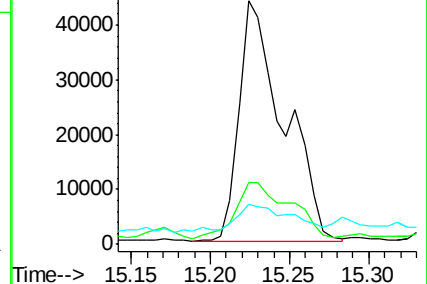
125 16.3 10.2 15.2#



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: 3.838 ng

RT: 15.61 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BF106460.D

Acq: 14 Jun 2018 23:18

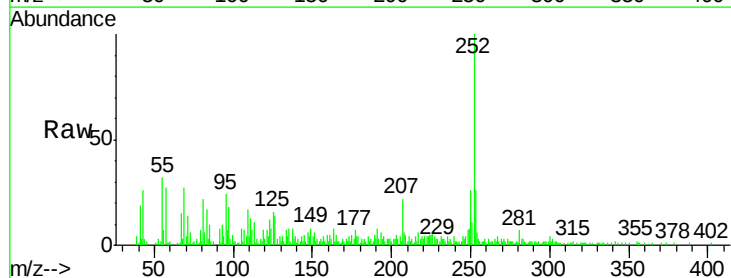
Tgt Ion:252 Resp: 42870

Ion Ratio Lower Upper

252 100

253 26.4 17.1 25.7#

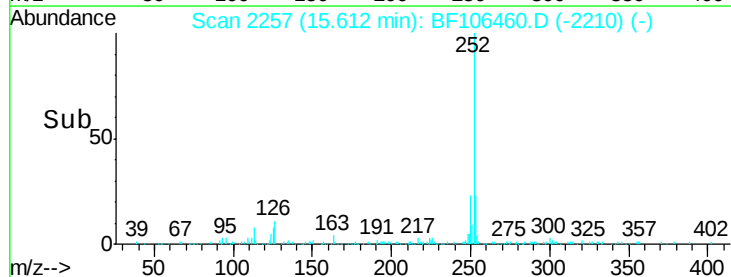
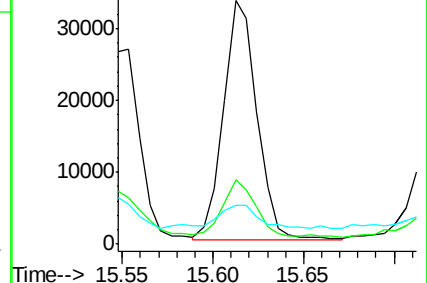
125 16.0 9.8 14.6#

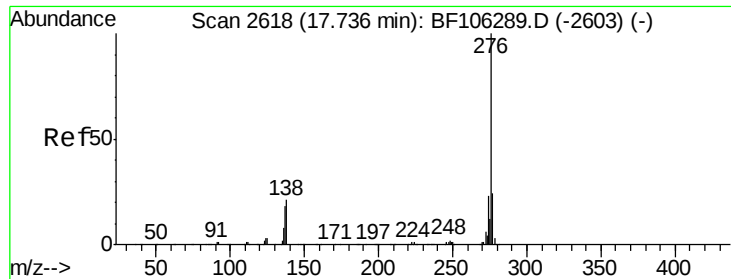


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.838 ng

RT: 17.72 min Scan# 2616

Delta R.T. -0.02 min

Lab File: BF106460.D

Acq: 14 Jun 2018 23:18

Instrument :

BNA_F

ClientSampleId :

#2

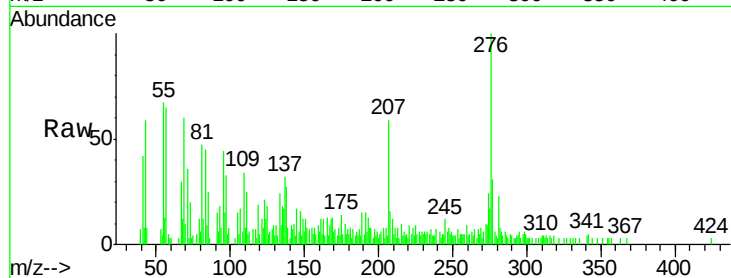
Tgt Ion: 276 Resp: 25688

Ion Ratio Lower Upper

276 100

277 31.3 17.9 26.9#

138 26.5 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

