

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061418\
 Data File : BF106466.D
 Acq On : 15 Jun 2018 2:25
 Operator : JU/SJ
 Sample : J3481-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-021-B

Quant Time: Jun 15 08:26:17 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	97834	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	322210	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	131976	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	292663	20.00	ng	0.00
75) Chrysene-d12	14.15	240	304079	20.00	ng	-0.01
86) Perylene-d12	15.68	264	216050	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	725924	125.58	ng	0.00
7) Phenol-d6	6.61	99	843140	115.45	ng	0.00
23) Nitrobenzene-d5	7.53	82	521801	95.27	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	210522	165.79	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	756469	112.24	ng	0.00
78) Terphenyl-d14	13.08	244	1005828	82.16	ng	0.00

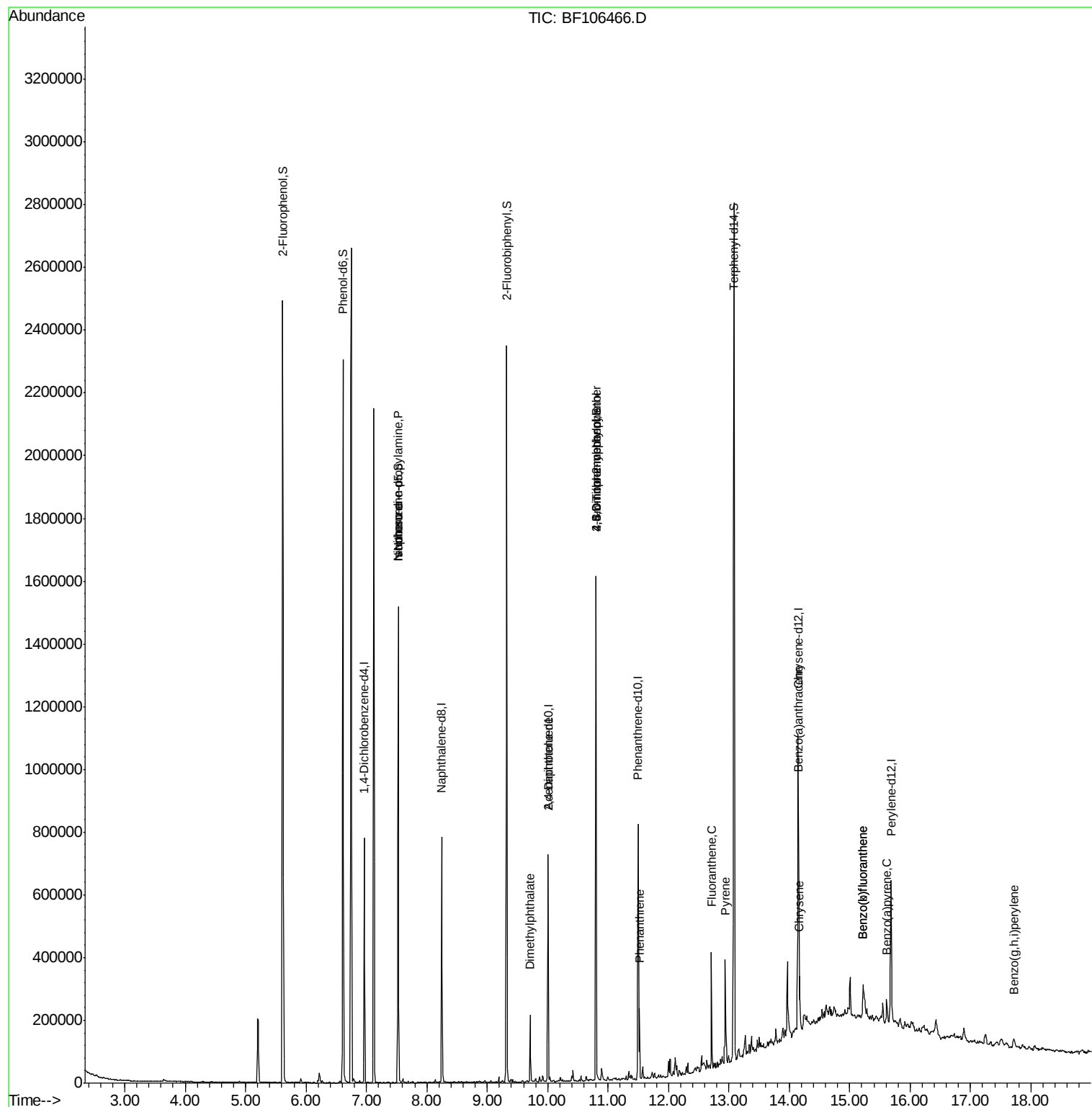
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	69922	12.762	ng	# 72
25) Isophorone	7.53	82	521892	48.784	ng	# 64
49) Dimethylphthalate	9.71	163	80737	8.563	ng	# 99
56) 2,4-Dinitrotoluene	10.01	165	16679	6.896	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	313	6.467	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	13492	4.053	ng	# 1
70) Phenanthrene	11.52	178	78204	5.456	ng	99
74) Fluoranthene	12.71	202	135191	8.845	ng	96
77) Pyrene	12.94	202	135081	7.096	ng	99
80) Benzo(a)anthracene	14.14	228	67247	3.716	ng	96
82) Chrysene	14.17	228	64581	3.909	ng	96
87) Benzo(b)fluoranthene	15.22	252	72437	5.546	ng	# 91
88) Benzo(k)fluoranthene	15.22	252	72437	5.600	ng	94
89) Benzo(a)pyrene	15.61	252	36600	3.116	ng	93
91) Benzo(g,h,i)perylene	17.72	276	21716	2.282	ng	98

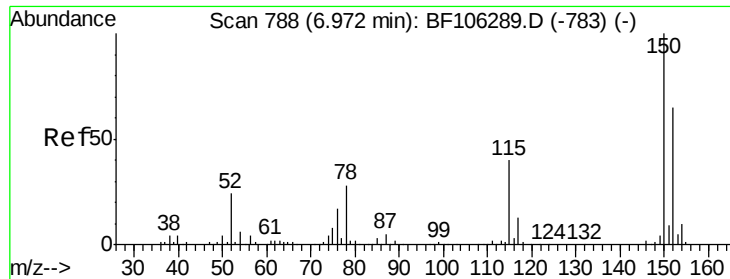
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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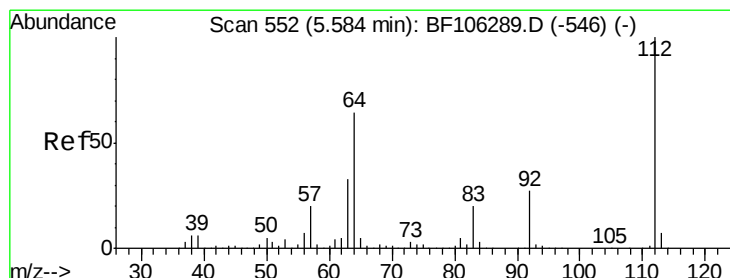
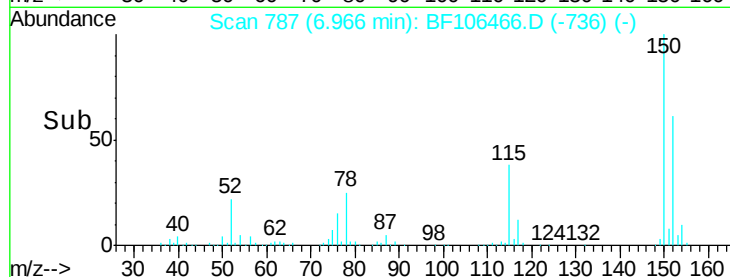
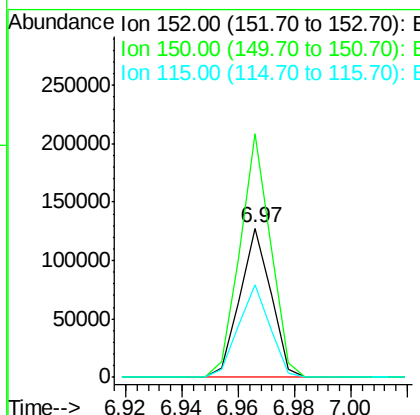
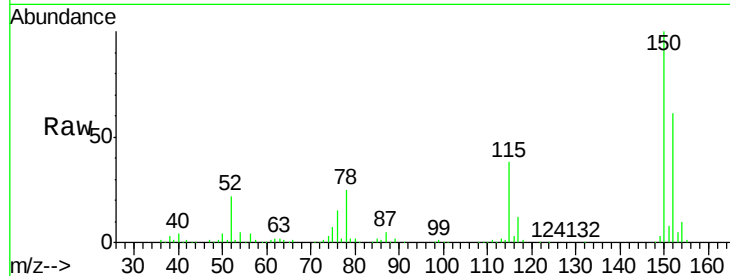




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF106466.D
 Acq: 15 Jun 2018 2:25

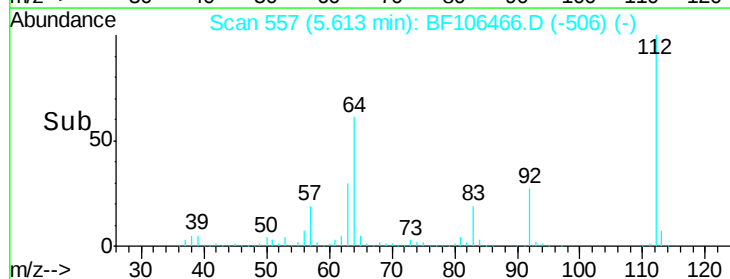
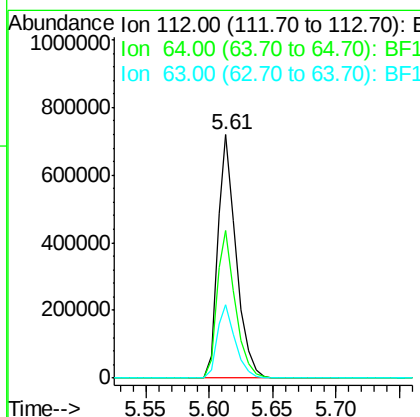
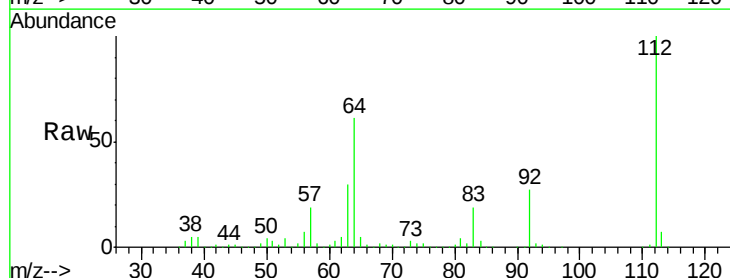
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-021-B

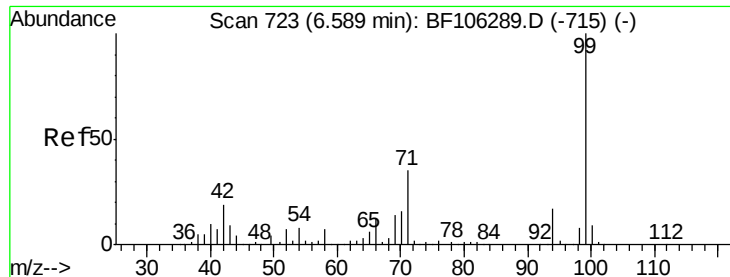
Tgt Ion:152 Resp: 97834
 Ion Ratio Lower Upper
 152 100
 150 163.1 124.6 186.8
 115 62.1 50.1 75.1



#5
 2-Fluorophenol
 Concen: 125.583 ng
 RT: 5.61 min Scan# 557
 Delta R.T. -0.00 min
 Lab File: BF106466.D
 Acq: 15 Jun 2018 2:25

Tgt Ion:112 Resp: 725924
 Ion Ratio Lower Upper
 112 100
 64 60.6 47.9 71.9
 63 29.9 23.7 35.5





#7

Phenol-d6

Concen: 115.450 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF106466.D

Acq: 15 Jun 2018 2:25

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-021-B

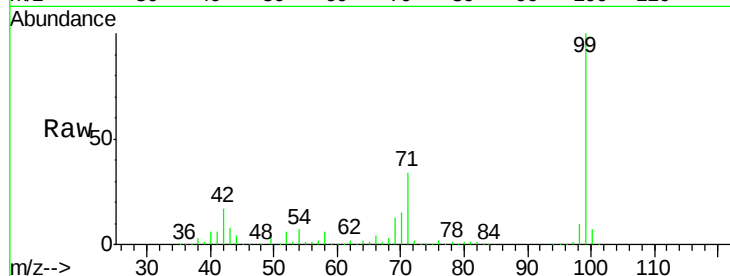
Tgt Ion: 99 Resp: 843140

Ion Ratio Lower Upper

99 100

42 16.9 14.5 21.7

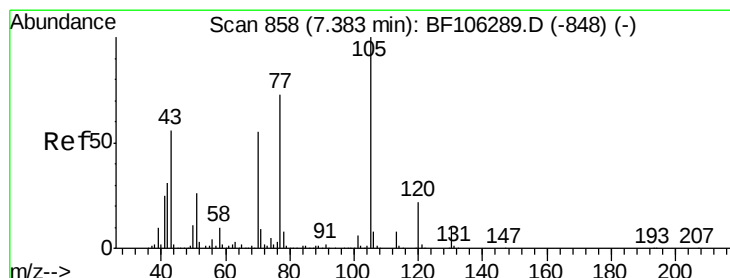
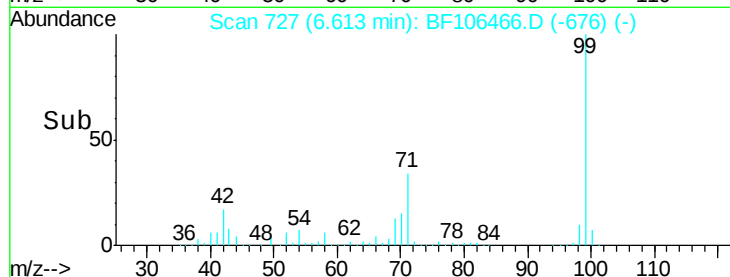
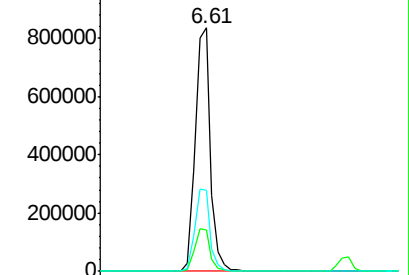
71 33.5 25.4 38.0



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: 12.762 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.15 min

Lab File: BF106466.D

Acq: 15 Jun 2018 2:25

Tgt Ion: 70 Resp: 69922

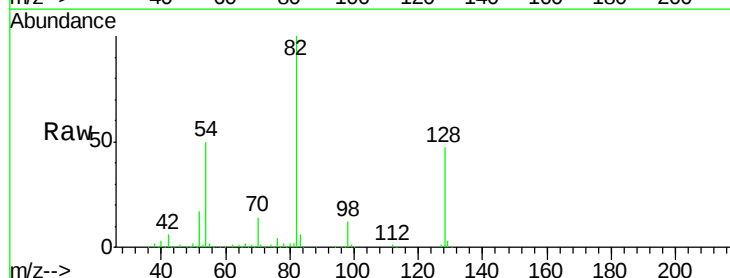
Ion Ratio Lower Upper

70 100

42 40.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

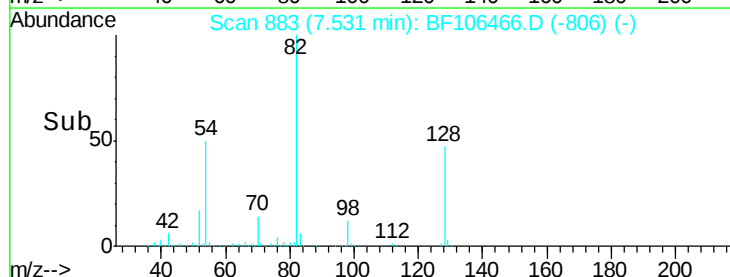
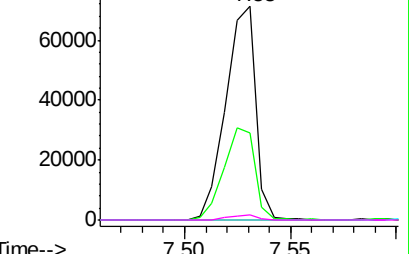


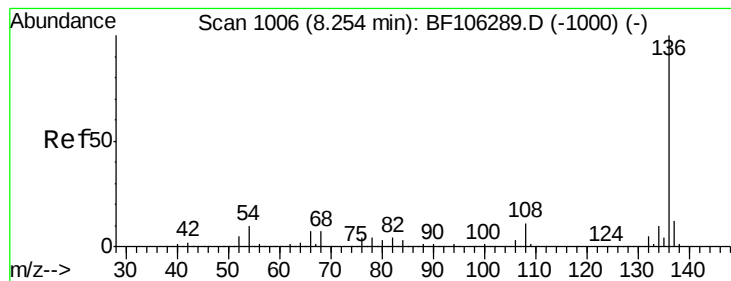
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF106466.D

Acq: 15 Jun 2018 2:25

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-021-B

Tgt Ion: 136 Resp: 322210

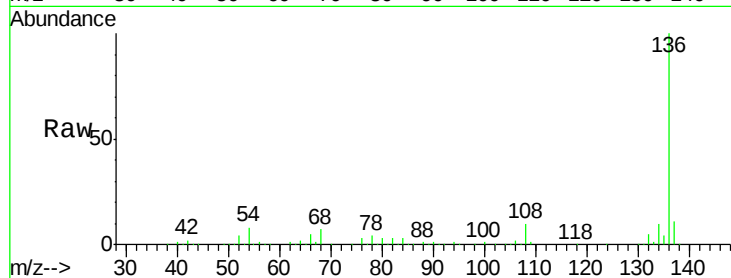
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 8.4 6.6 9.8

68 6.7 5.0 7.4

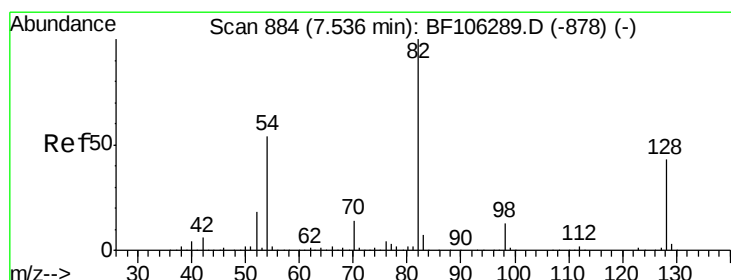
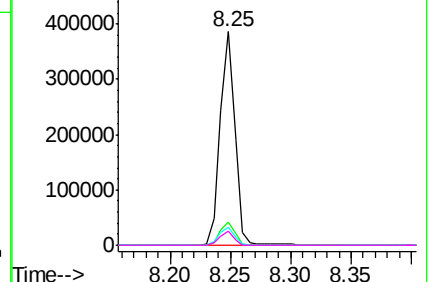
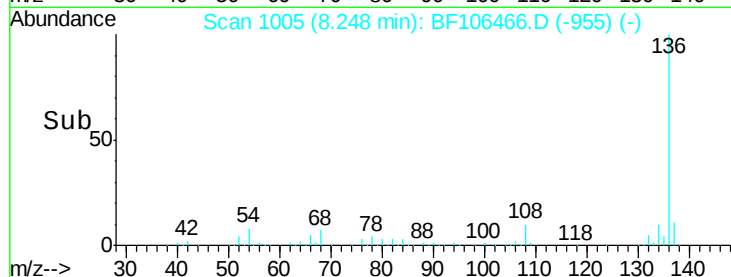


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 95.269 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF106466.D

Acq: 15 Jun 2018 2:25

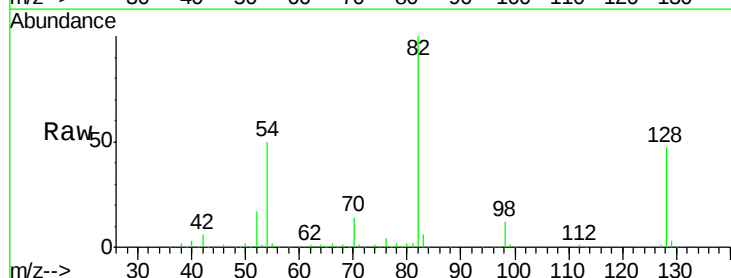
Tgt Ion: 82 Resp: 521801

Ion Ratio Lower Upper

82 100

128 46.6 36.1 54.1

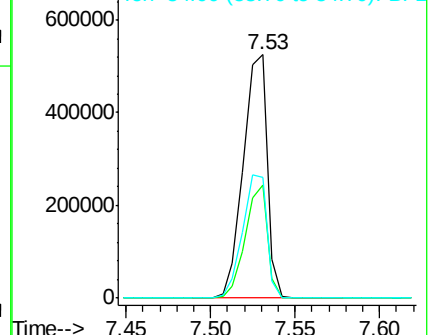
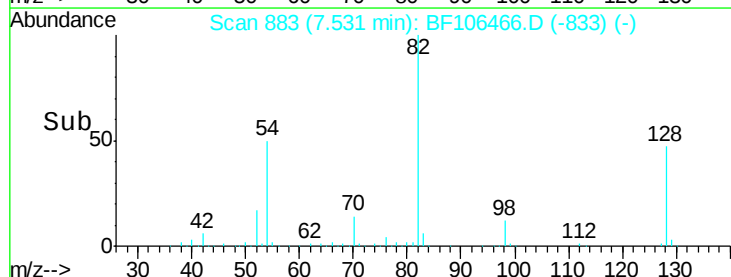
54 49.5 41.4 62.2

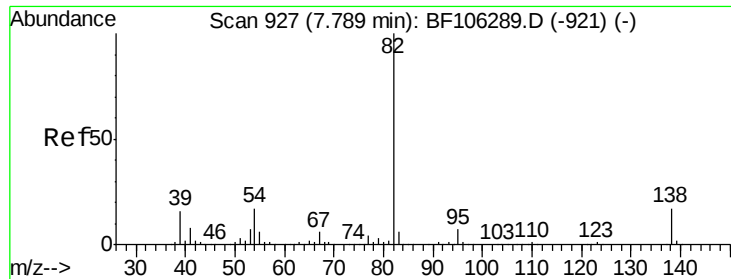


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 48.784 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF106466.D

Acq: 15 Jun 2018 2:25

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-021-B

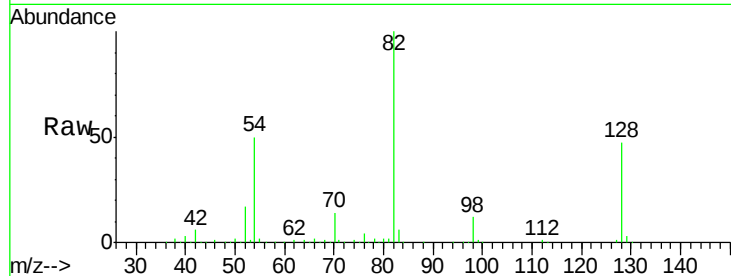
Tgt Ion: 82 Resp: 521892

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

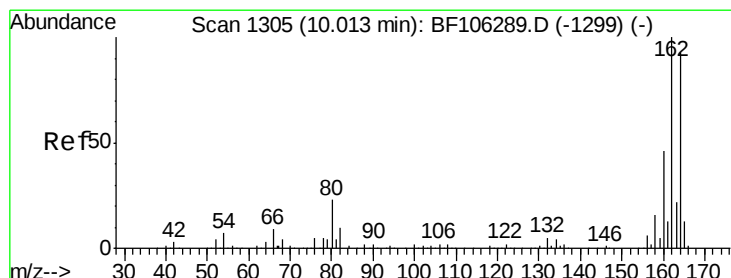
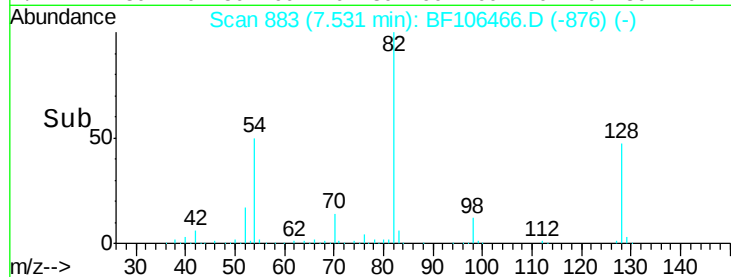
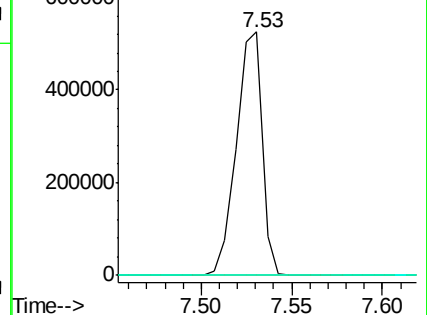
138 0.0 14.9 22.3#



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: BF106466.D

Acq: 15 Jun 2018 2:25

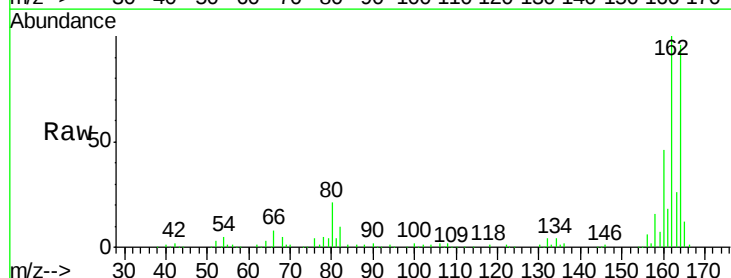
Tgt Ion: 164 Resp: 131976

Ion Ratio Lower Upper

164 100

162 104.4 86.1 129.1

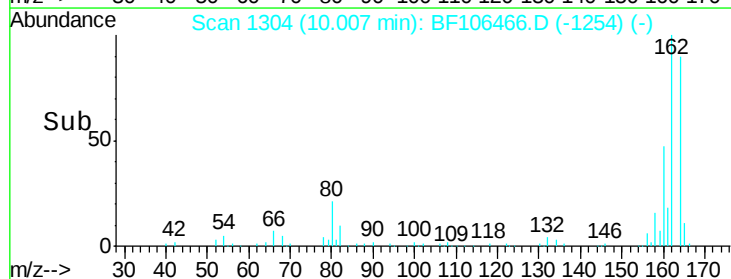
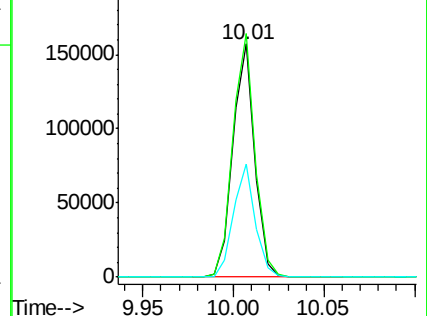
160 48.4 38.3 57.5

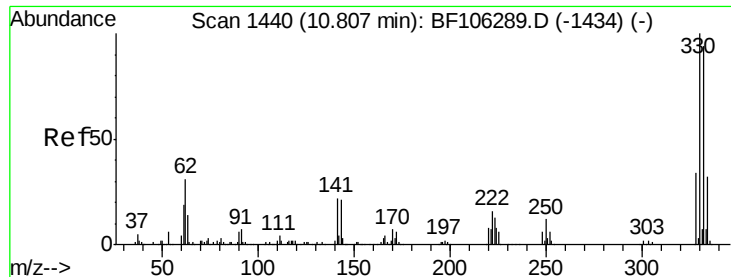


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

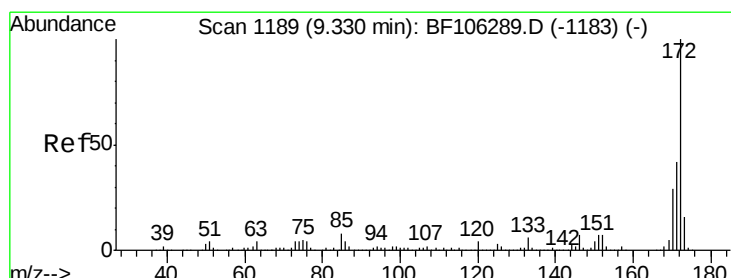
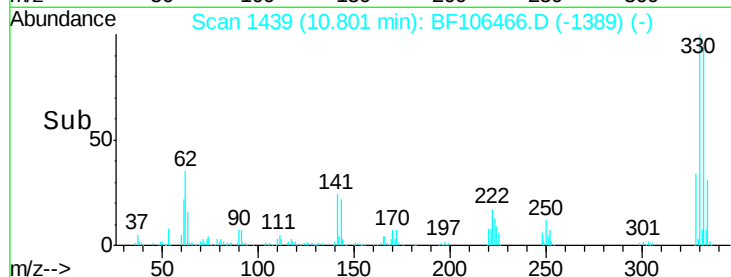
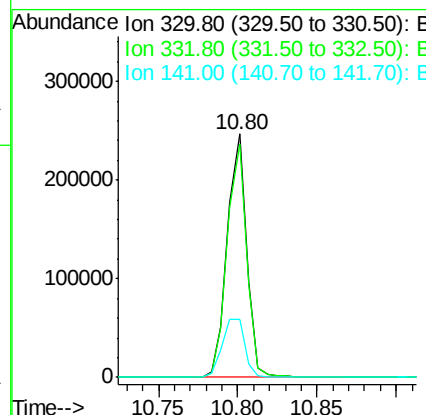
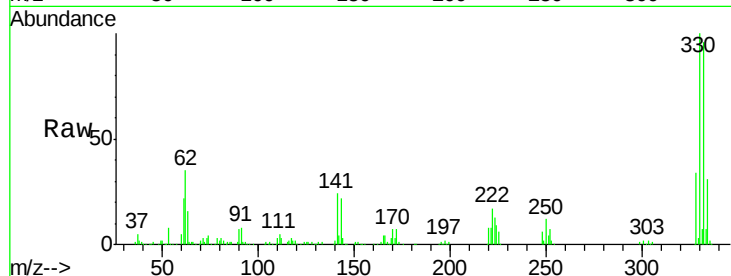




#41
 2,4,6-Tribromophenol
 Concen: 165.787 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF106466.D
 Acq: 15 Jun 2018 2:25

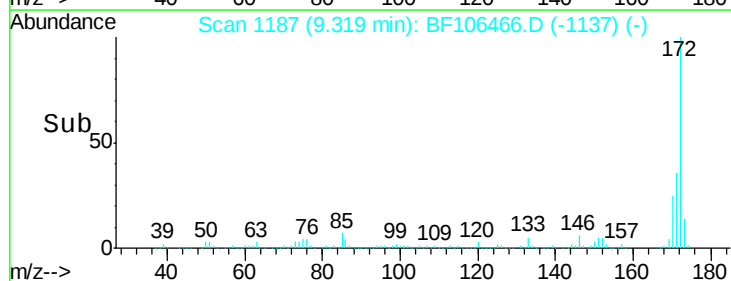
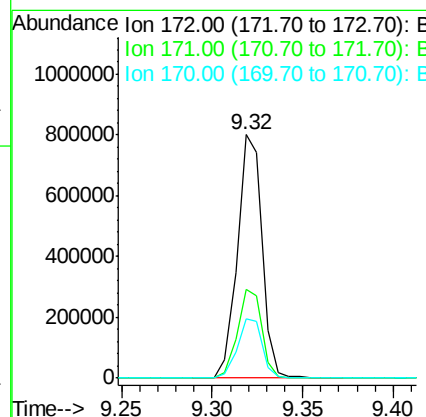
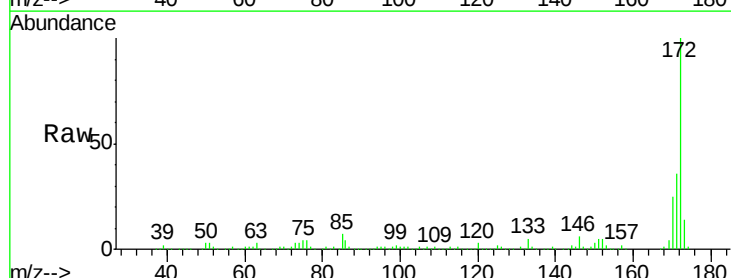
Instrument :
 BNA_F
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 FK-GF-02-021-B

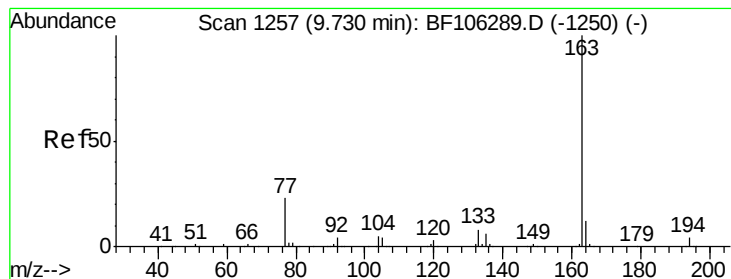
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	28.2	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 112.245 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106466.D
 Acq: 15 Jun 2018 2:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.5	19.6	29.4





#49

Dimethylphthalate

Concen: 8.563 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.01 min

Lab File: BF106466.D

Acq: 15 Jun 2018 2:25

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-021-B

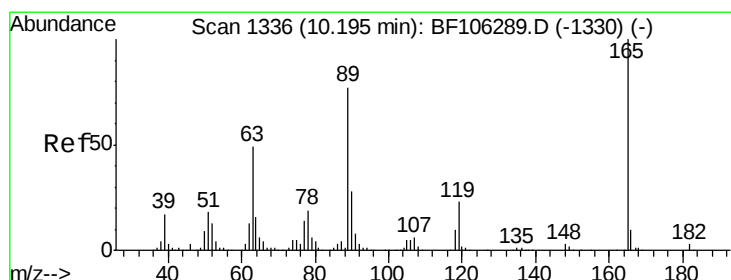
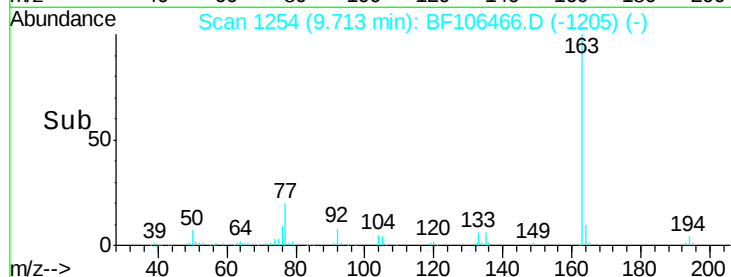
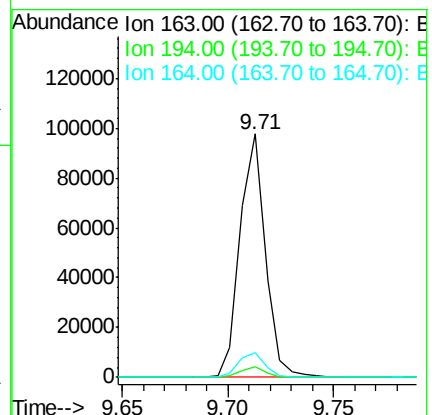
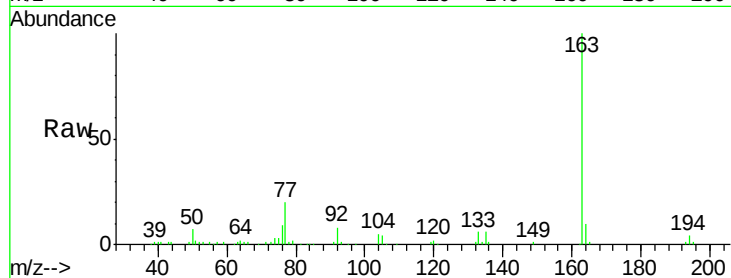
Tgt Ion:163 Resp: 80737

Ion Ratio Lower Upper

163 100

194 4.3 2.7 4.1#

164 10.3 8.2 12.2



#56

2,4-Dinitrotoluene

Concen: 6.896 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.19 min

Lab File: BF106466.D

Acq: 15 Jun 2018 2:25

Tgt Ion:165 Resp: 16679

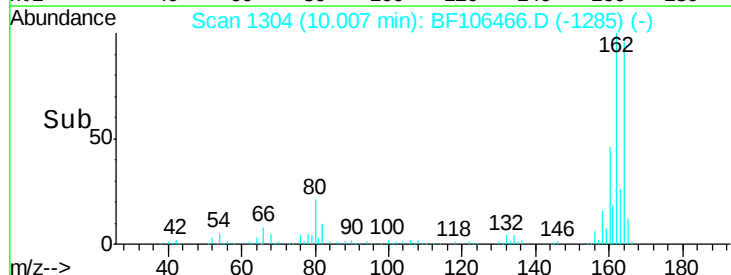
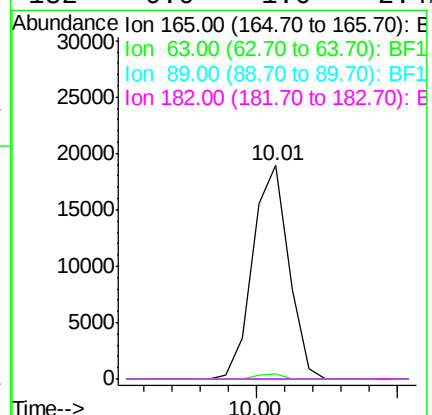
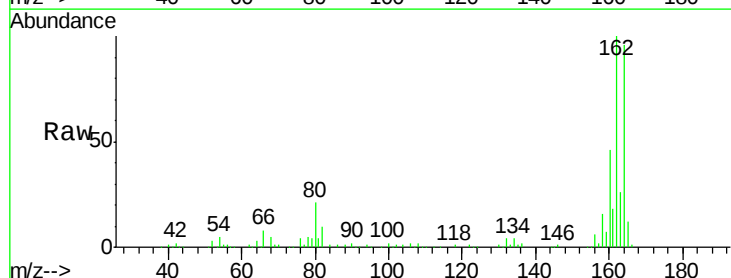
Ion Ratio Lower Upper

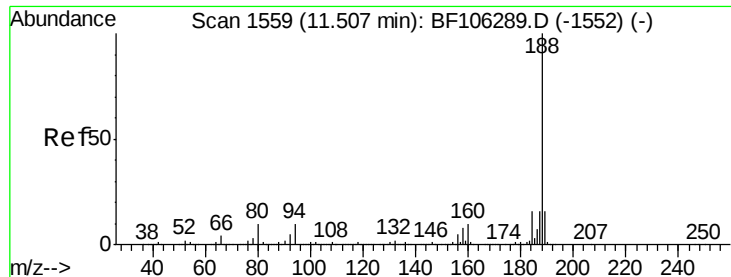
165 100

63 2.1 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF106466.D

Acq: 15 Jun 2018 2:25

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-021-B

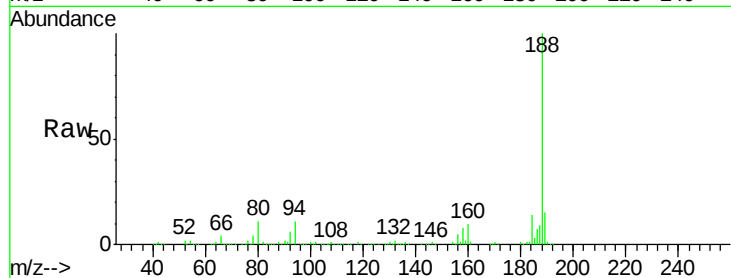
Tgt Ion:188 Resp: 292663

Ion Ratio Lower Upper

188 100

94 10.8 8.5 12.7

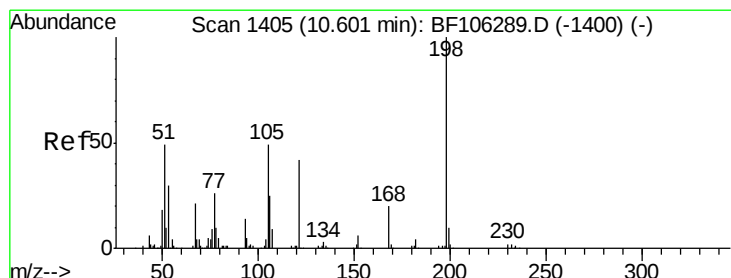
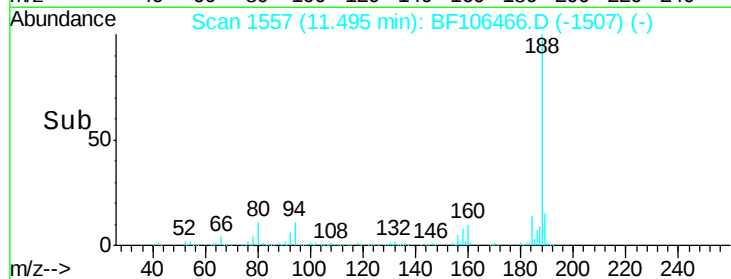
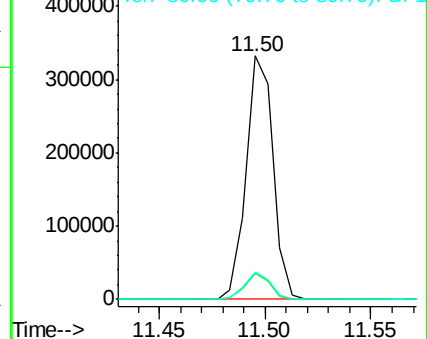
80 11.4 9.2 13.8



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: 6.467 ng

RT: 10.80 min Scan# 1439

Delta R.T. 0.19 min

Lab File: BF106466.D

Acq: 15 Jun 2018 2:25

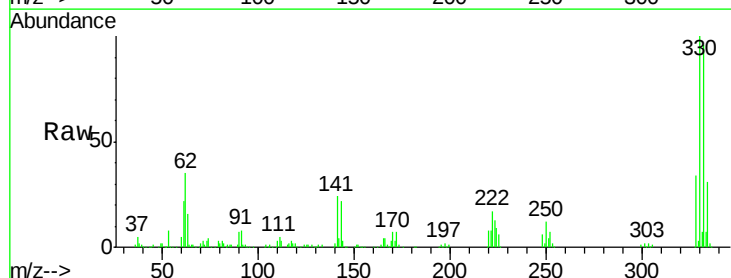
Tgt Ion:198 Resp: 313

Ion Ratio Lower Upper

198 100

51 154.5 37.7 77.7#

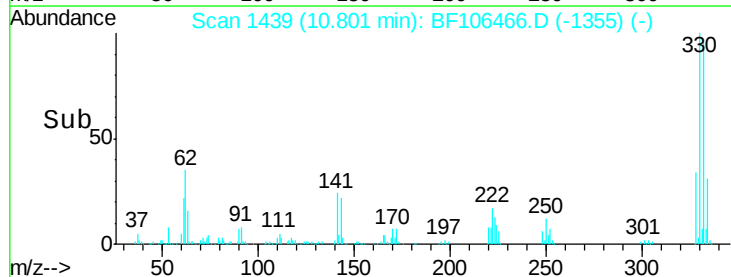
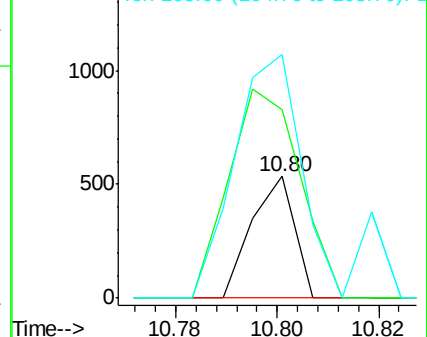
105 199.6 36.3 76.3#

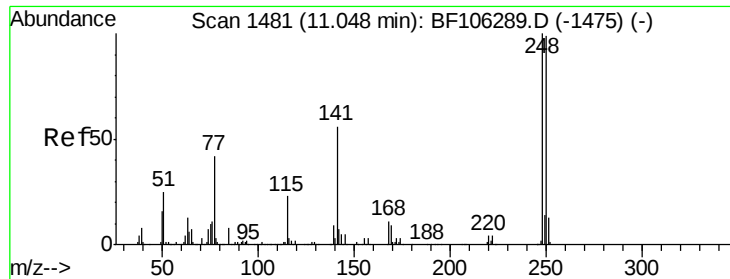


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

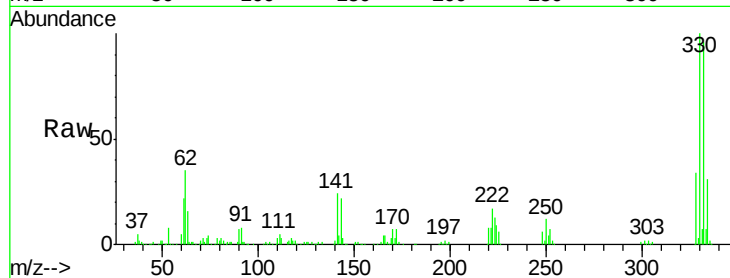




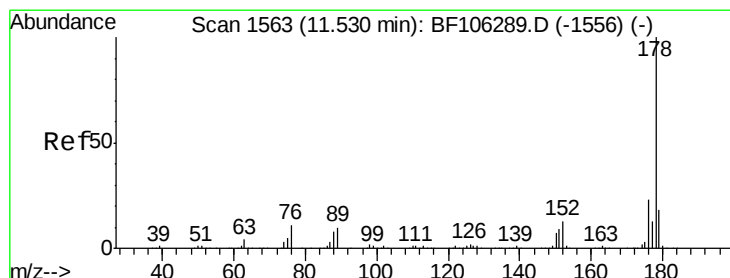
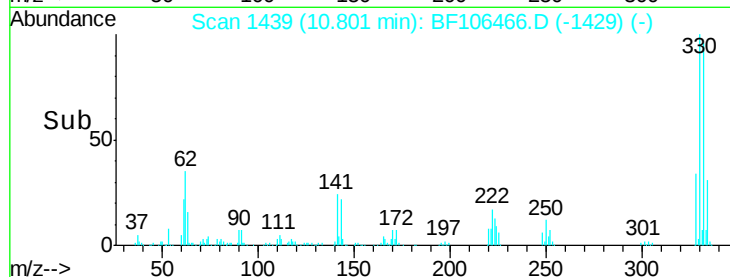
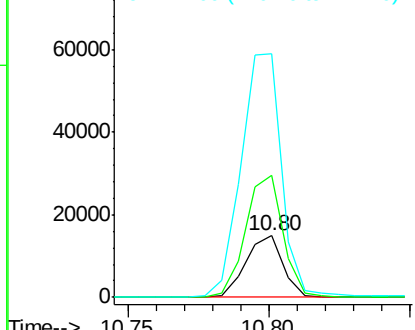
#66
 4-Bromophenyl-phenylether
 Concen: 4.053 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF106466.D
 Acq: 15 Jun 2018 2:25

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-021-B

Tgt Ion:248 Resp: 13492
 Ion Ratio Lower Upper
 248 100
 250 198.6 76.9 115.3#
 141 397.5 74.4 111.6#

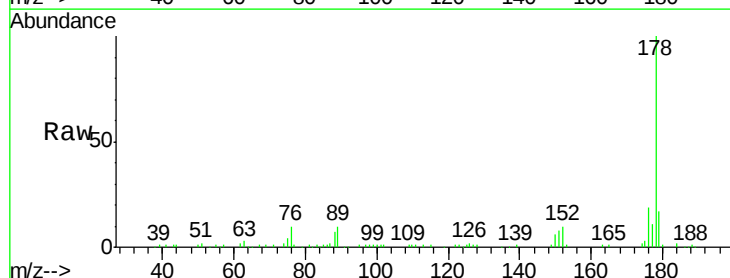


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

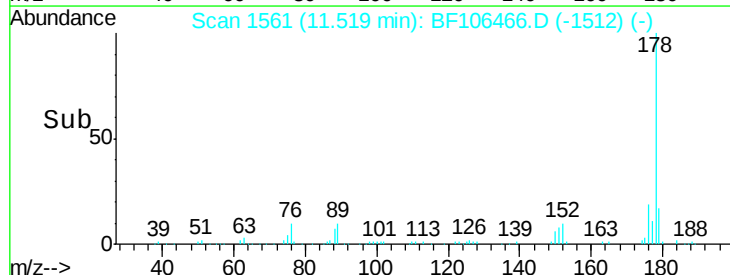
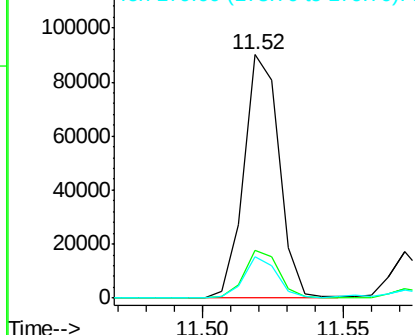


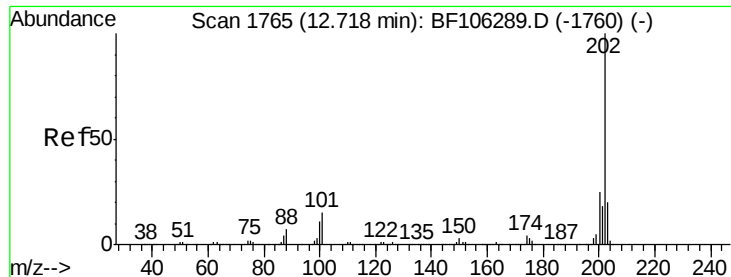
#70
 Phenanthrene
 Concen: 5.456 ng
 RT: 11.52 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF106466.D
 Acq: 15 Jun 2018 2:25

Tgt Ion:178 Resp: 78204
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 17.1 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: 8.845 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106466.D

Acq: 15 Jun 2018 2:25

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-021-B

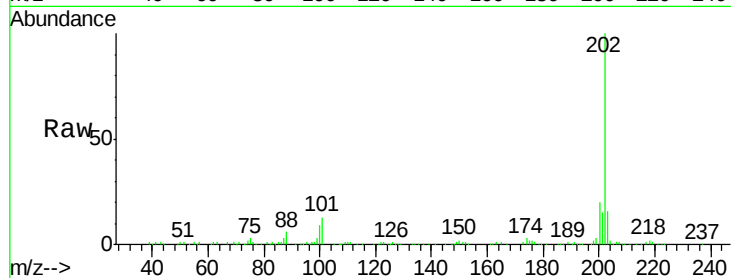
Tgt Ion: 202 Resp: 135191

Ion Ratio Lower Upper

202 100

101 12.5 0.0 34.1

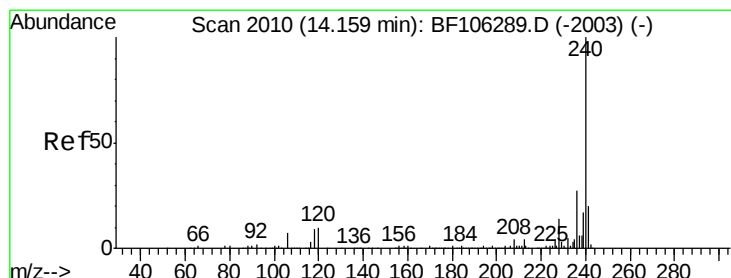
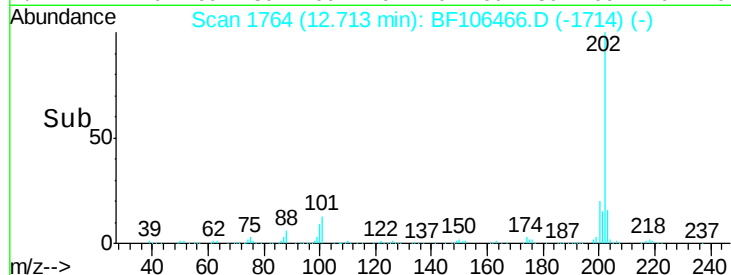
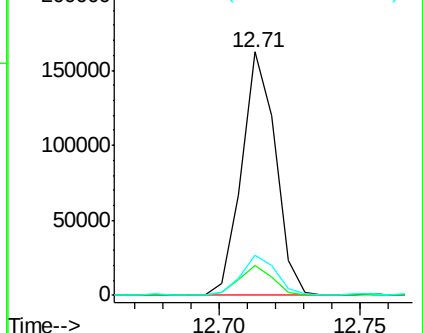
203 16.4 0.0 38.1



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: BF106466.D

Acq: 15 Jun 2018 2:25

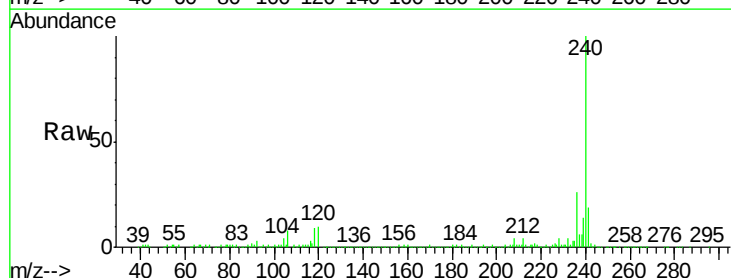
Tgt Ion: 240 Resp: 304079

Ion Ratio Lower Upper

240 100

120 10.4 9.5 14.3

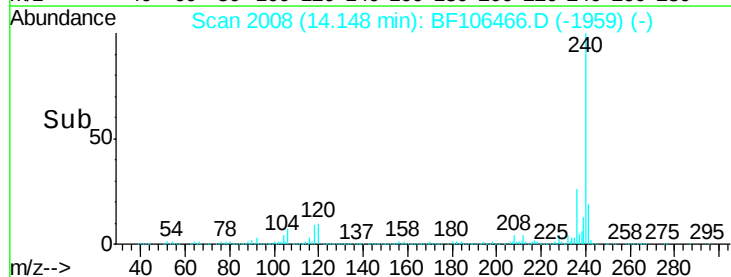
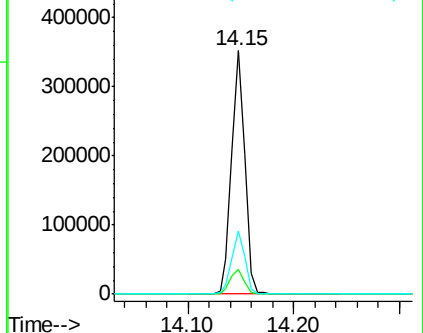
236 26.0 20.7 31.1

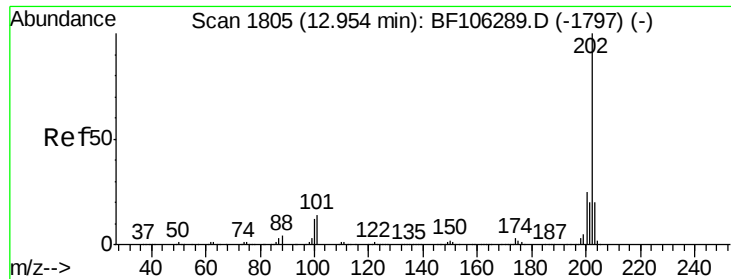


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

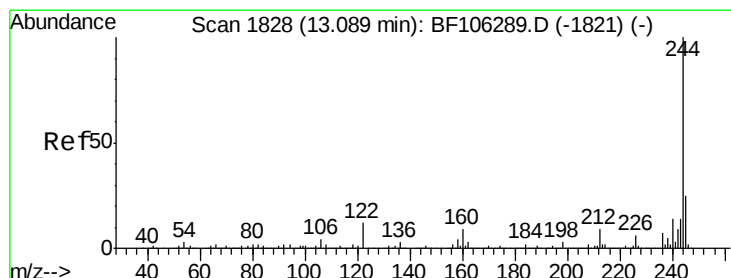
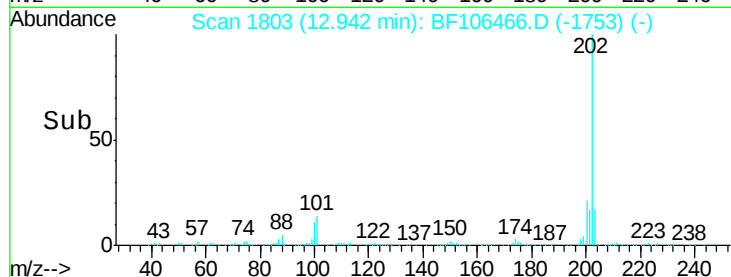
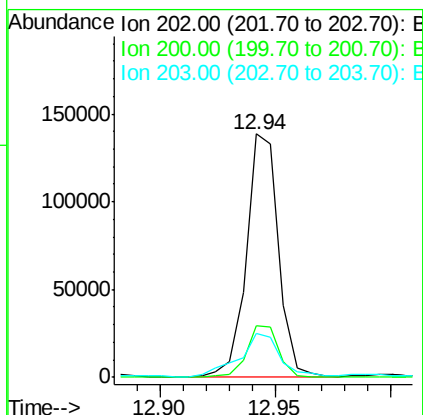
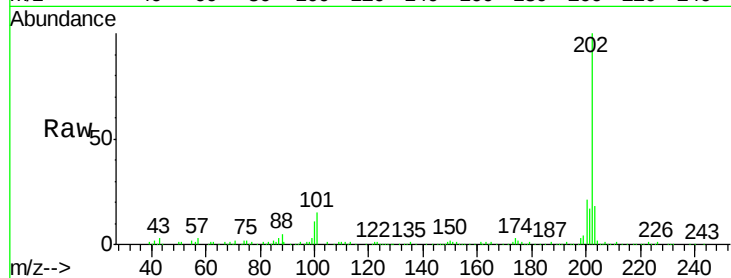




#77
 Pyrene
 Concen: 7.096 ng
 RT: 12.94 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: BF106466.D
 Acq: 15 Jun 2018 2:25

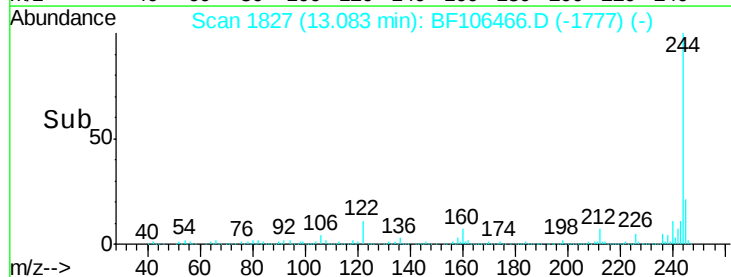
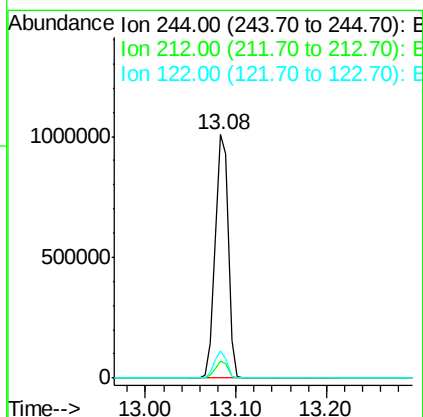
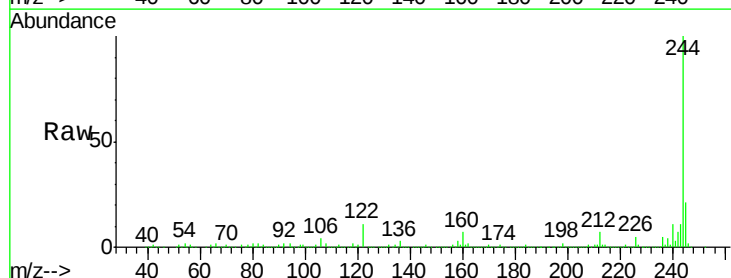
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-021-B

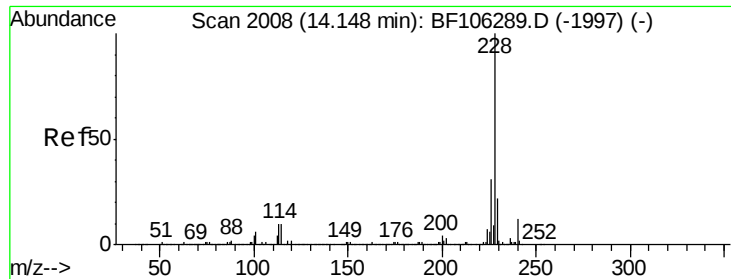
Tgt Ion: 202 Resp: 135081
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.4 26.2
 203 17.8 14.3 21.5



#78
 Terphenyl-d14
 Concen: 82.158 ng
 RT: 13.08 min Scan# 1827
 Delta R.T. -0.01 min
 Lab File: BF106466.D
 Acq: 15 Jun 2018 2:25

Tgt Ion: 244 Resp: 1005828
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.0
 122 11.1 11.0 16.4

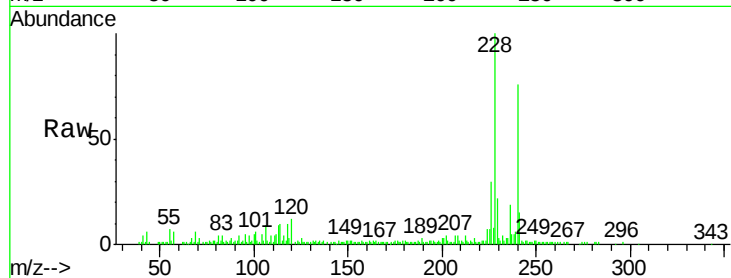




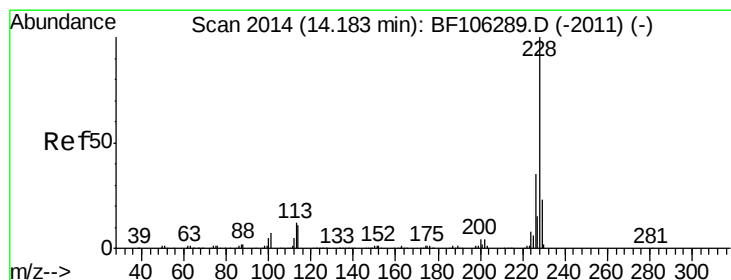
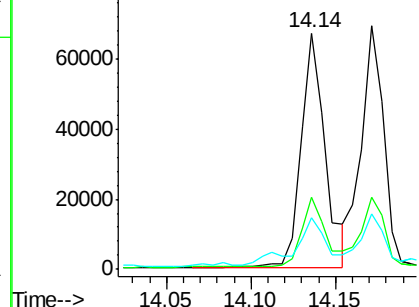
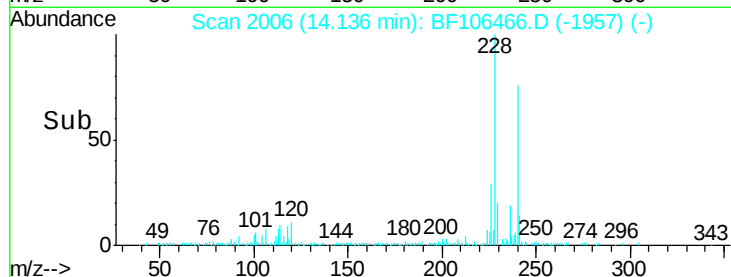
#80
Benzo(a)anthracene
Concen: 3.716 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF106466.D
Acq: 15 Jun 2018 2:25

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-021-B

Tgt Ion:228 Resp: 67247
Ion Ratio Lower Upper
228 100
226 30.4 22.6 33.8
229 21.6 15.8 23.6

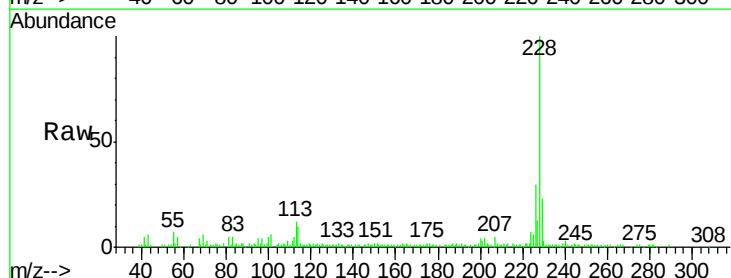


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

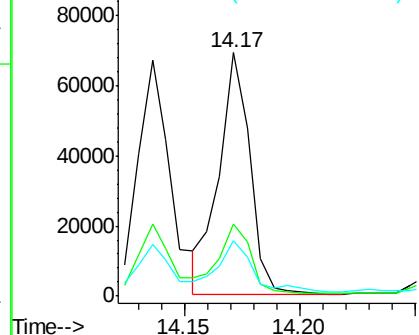
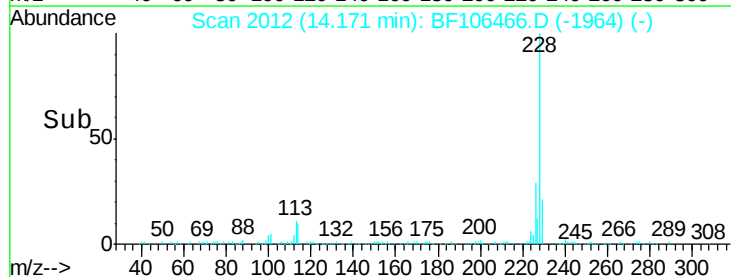


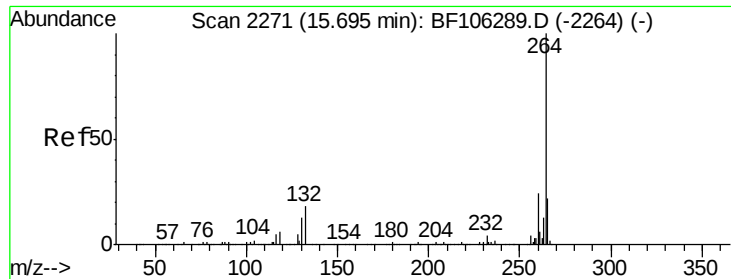
#82
Chrysene
Concen: 3.909 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF106466.D
Acq: 15 Jun 2018 2:25

Tgt Ion:228 Resp: 64581
Ion Ratio Lower Upper
228 100
226 29.6 25.0 37.6
229 22.7 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

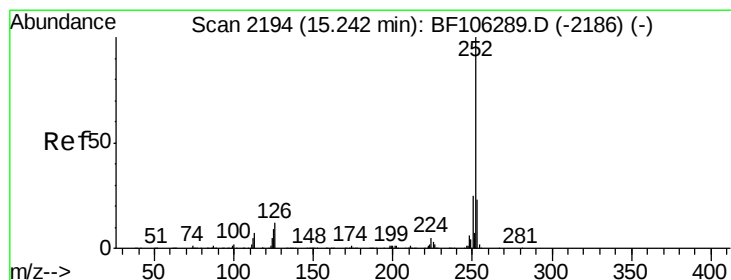
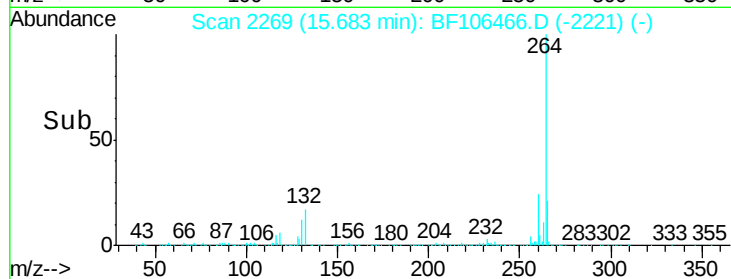
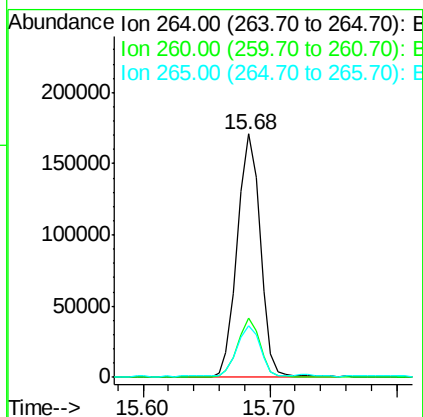
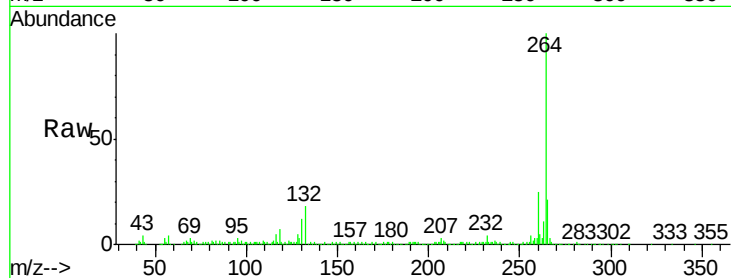




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF106466.D
Acq: 15 Jun 2018 2:25

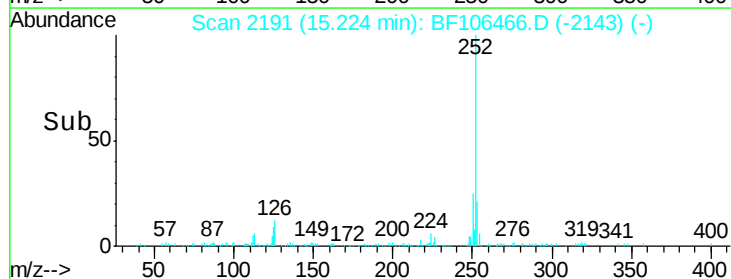
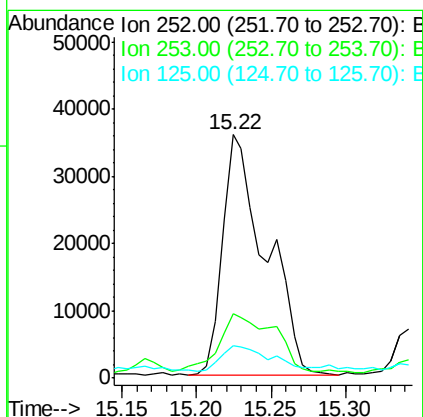
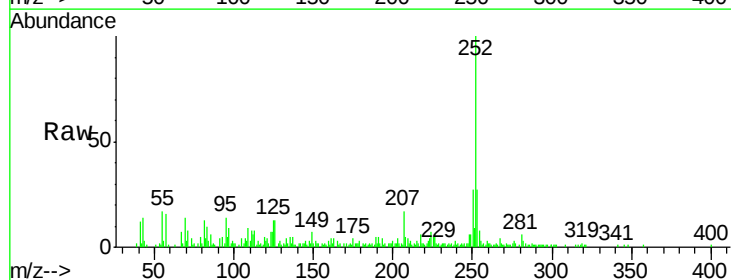
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-021-B

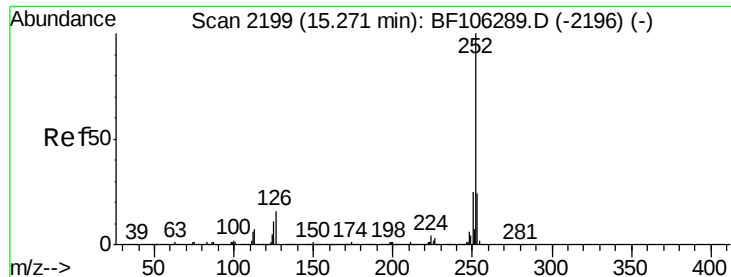
Tgt Ion:264 Resp: 216050
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 21.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 5.546 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BF106466.D
Acq: 15 Jun 2018 2:25

Tgt Ion:252 Resp: 72437
Ion Ratio Lower Upper
252 100
253 26.7 17.0 25.6#
125 13.3 9.0 13.6

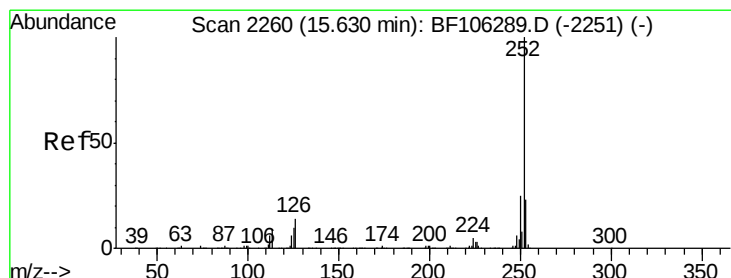
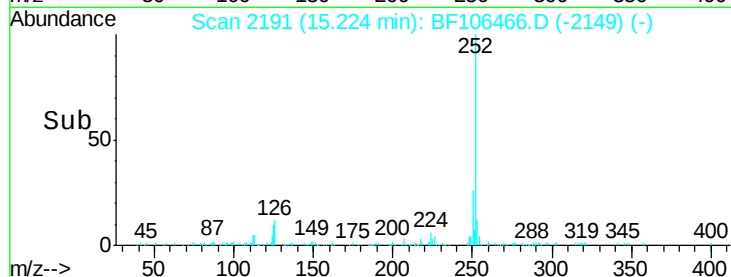
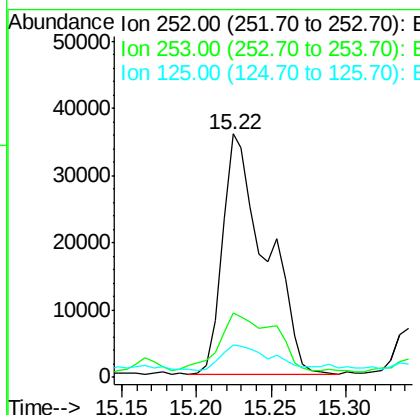
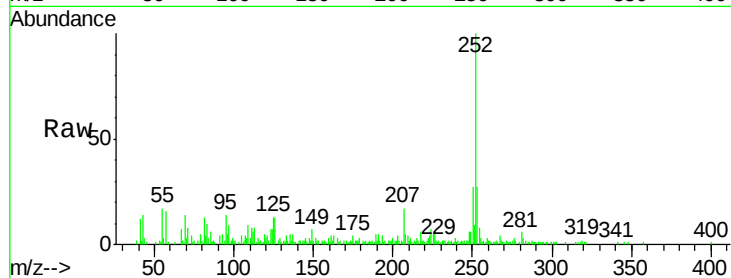




#88
Benzo(k)fluoranthene
Concen: 5.600 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.05 min
Lab File: BF106466.D
Acq: 15 Jun 2018 2:25

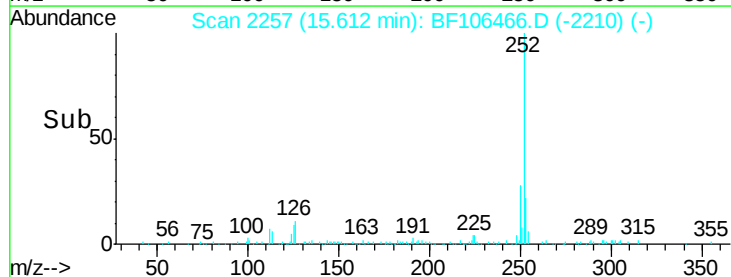
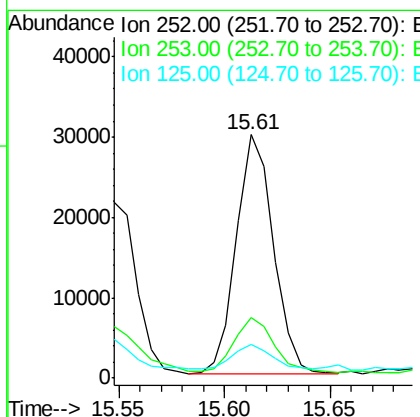
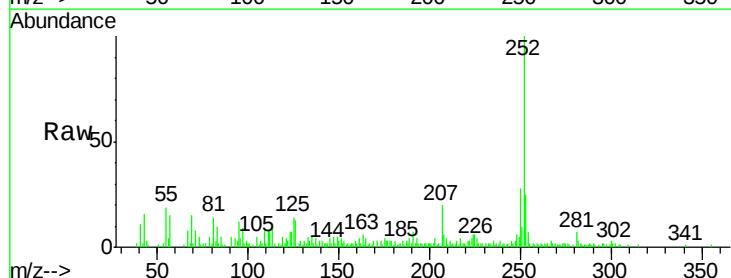
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-021-B

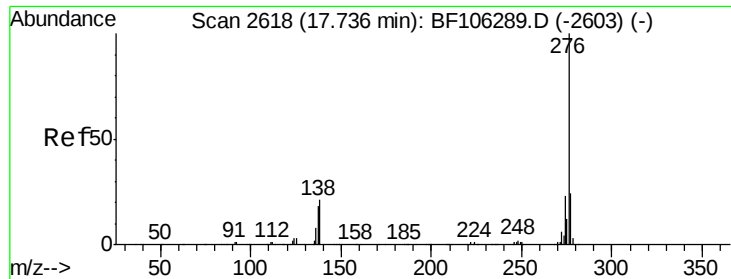
Tgt Ion:252 Resp: 72437
Ion Ratio Lower Upper
252 100
253 26.7 17.9 26.9
125 13.3 10.2 15.2



#89
Benzo(a)pyrene
Concen: 3.116 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF106466.D
Acq: 15 Jun 2018 2:25

Tgt Ion:252 Resp: 36600
Ion Ratio Lower Upper
252 100
253 25.0 17.1 25.7
125 14.0 9.8 14.6





#91

Benzo(g,h,i)perylene

Concen: 2.282 ng

RT: 17.72 min Scan# 2615

Delta R.T. -0.03 min

Lab File: BF106466.D

Acq: 15 Jun 2018 2:25

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-021-B

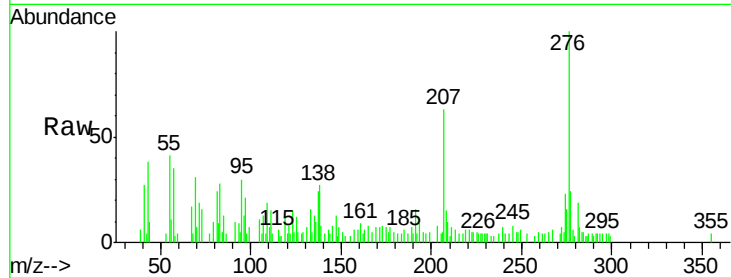
Tgt Ion: 276 Resp: 21716

Ion Ratio Lower Upper

276 100

277 23.9 17.9 26.9

138 27.1 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

