

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061418\
 Data File : BF106465.D
 Acq On : 15 Jun 2018 1:58
 Operator : JU/SJ
 Sample : J3481-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: Jun 15 08:23:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 14 18:39:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	109576	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	352698	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	135828	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	286793	20.00	ng	0.00
75) Chrysene-d12	14.15	240	305508	20.00	ng	-0.01
86) Perylene-d12	15.68	264	219944	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	811819	125.39	ng	0.00
7) Phenol-d6	6.61	99	941094	115.05	ng	0.00
23) Nitrobenzene-d5	7.53	82	604163	100.77	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	219184	167.71	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	862725	134.55	ng	0.00
78) Terphenyl-d14	13.08	244	1066068	86.67	ng	0.00

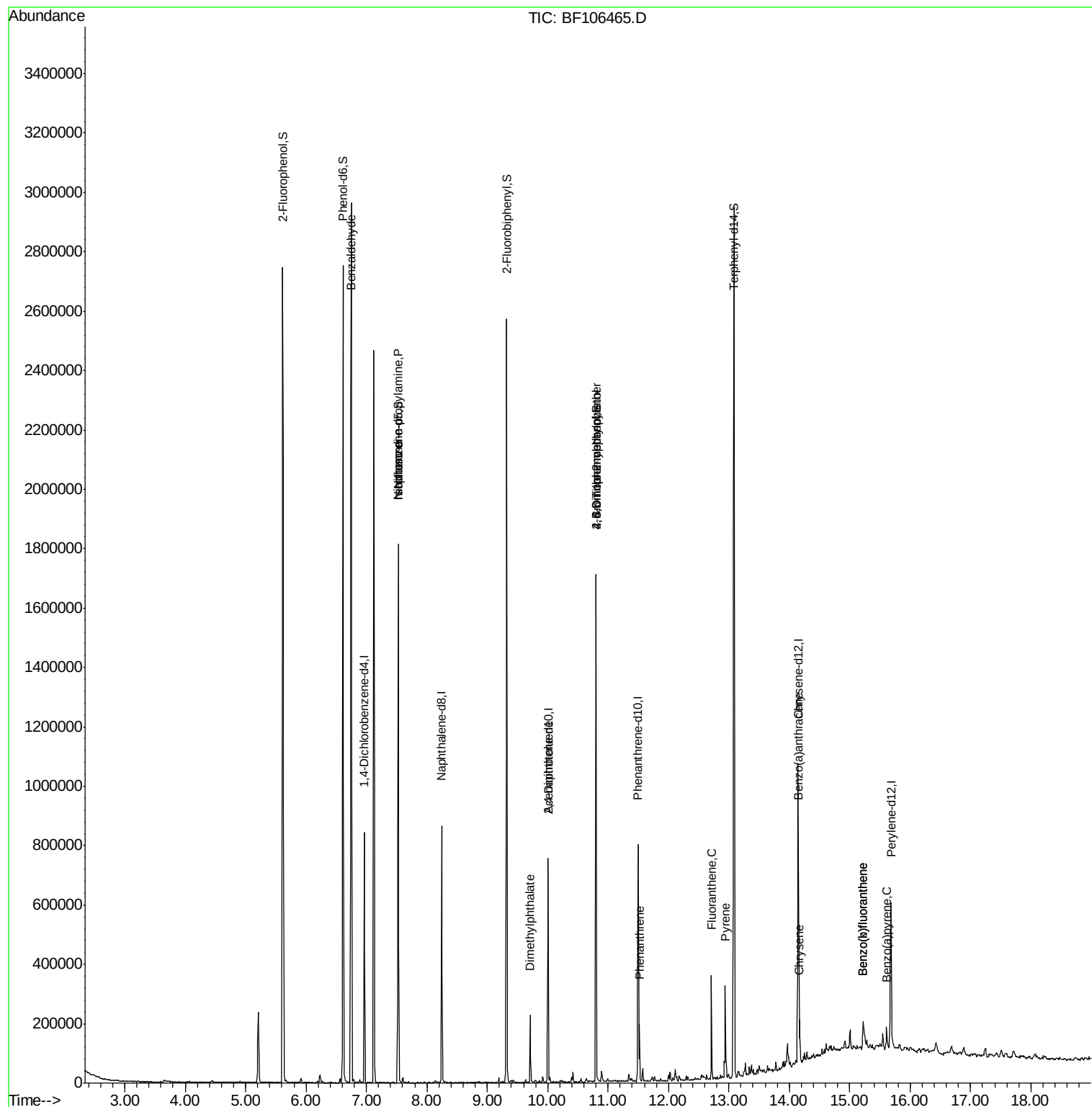
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	17742	2.860	ng	84
19) n-Nitroso-di-n-propylamine	7.53	70	81803	13.330	ng	# 72
25) Isophorone	7.53	82	604148	51.591	ng	# 64
49) Dimethylphthalate	9.71	163	86935	8.959	ng	99
56) 2,4-Dinitrotoluene	10.01	165	16901	6.790	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.80	198	423	6.532	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	14321	4.390	ng	# 1
70) Phenanthrene	11.52	178	65650	4.674	ng	98
74) Fluoranthene	12.71	202	126177	8.424	ng	97
77) Pyrene	12.94	202	120759	6.314	ng	98
80) Benzo(a)anthracene	14.14	228	58193	3.201	ng	98
82) Chrysene	14.17	228	51251	3.088	ng	97
87) Benzo(b)fluoranthene	15.22	252	68150	5.126	ng	95
88) Benzo(k)fluoranthene	15.22	252	68150	5.176	ng	98
89) Benzo(a)pyrene	15.61	252	34991	2.926	ng	95

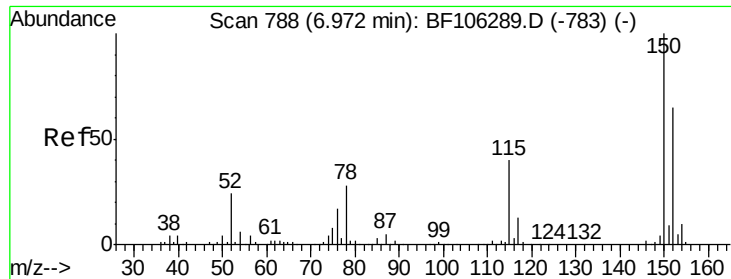
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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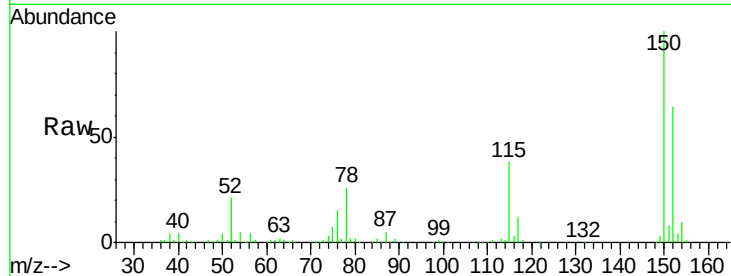


#1

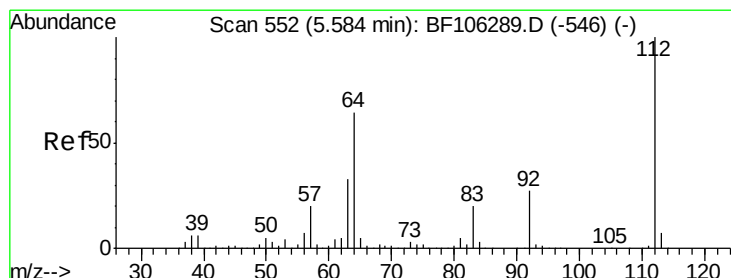
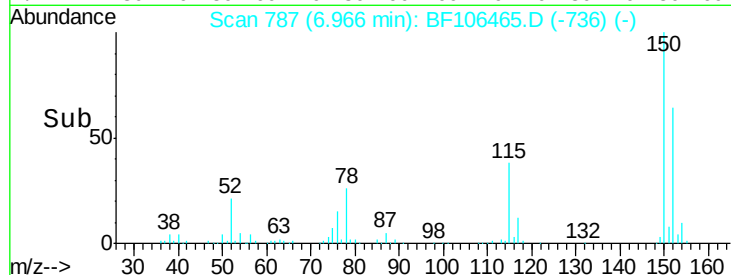
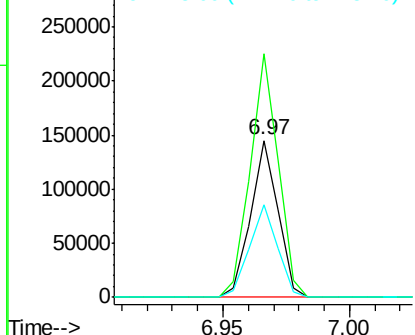
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF106465.D
Acq: 15 Jun 2018 1:58

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

Tgt Ion:152 Resp: 109576
Ion Ratio Lower Upper
152 100
150 155.5 124.6 186.8
115 59.5 50.1 75.1



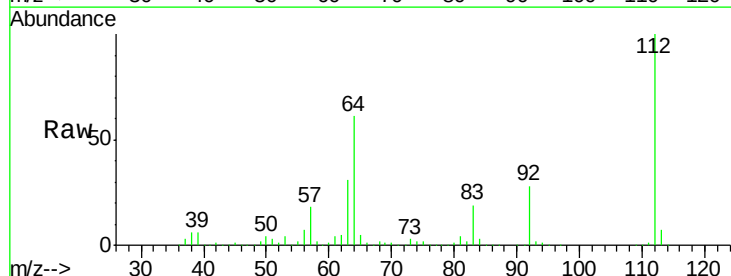
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



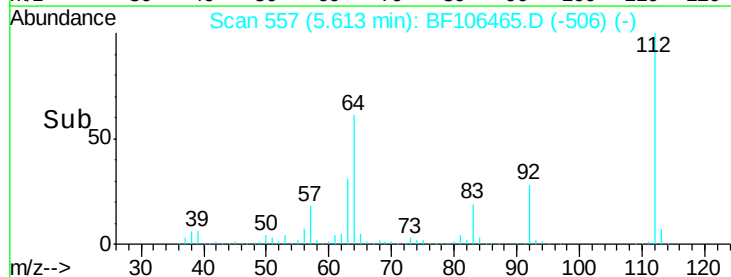
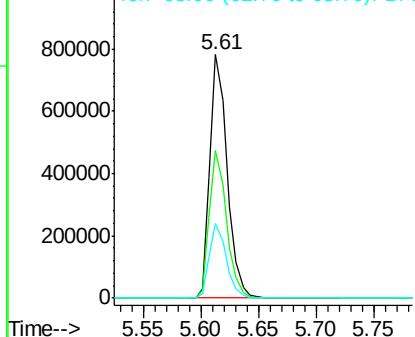
#5

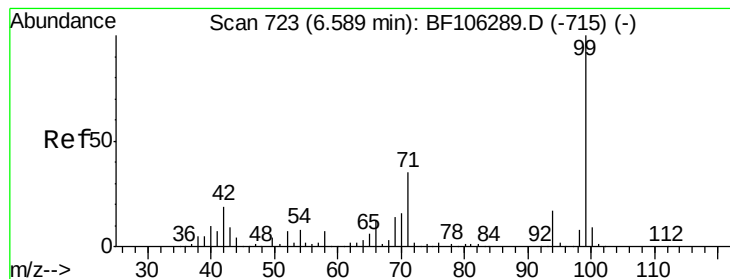
2-Fluorophenol
Concen: 125.393 ng
RT: 5.61 min Scan# 557
Delta R.T. -0.00 min
Lab File: BF106465.D
Acq: 15 Jun 2018 1:58

Tgt Ion:112 Resp: 811819
Ion Ratio Lower Upper
112 100
64 60.8 47.9 71.9
63 30.6 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: 115.054 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF106465.D

Acq: 15 Jun 2018 1:58

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-021-A

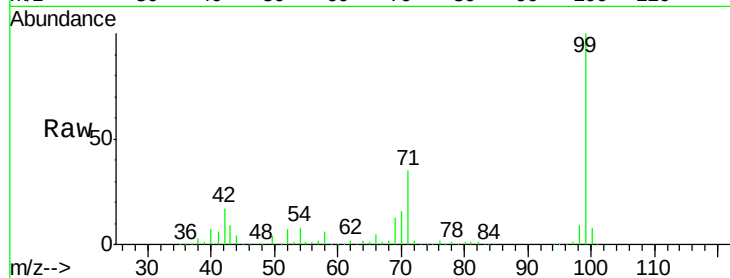
Tgt Ion: 99 Resp: 941094

Ion Ratio Lower Upper

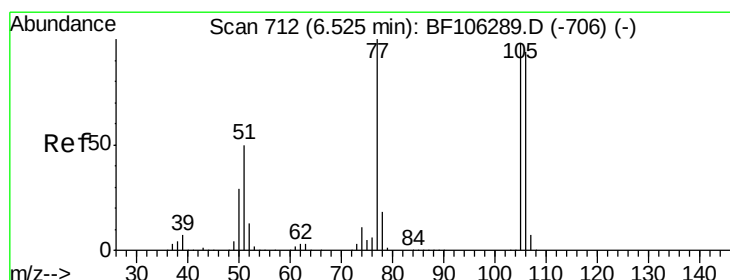
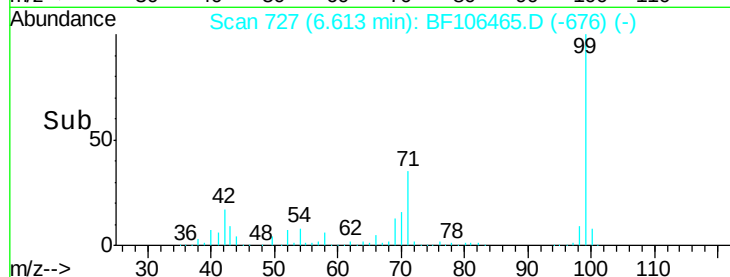
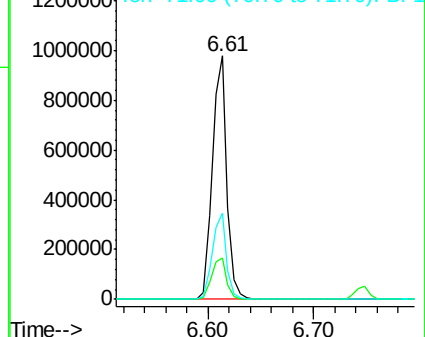
99 100

42 17.1 14.5 21.7

71 35.3 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



#9

Benzaldehyde

Concen: 2.860 ng

RT: 6.75 min Scan# 750

Delta R.T. 0.22 min

Lab File: BF106465.D

Acq: 15 Jun 2018 1:58

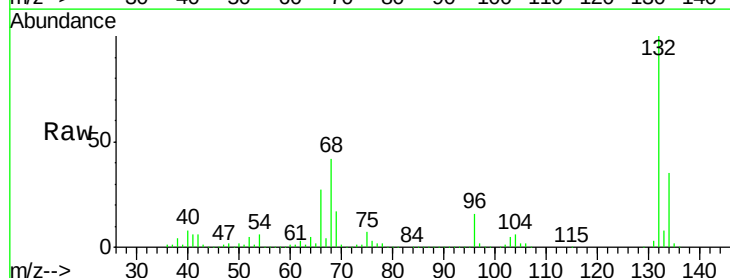
Tgt Ion: 77 Resp: 17742

Ion Ratio Lower Upper

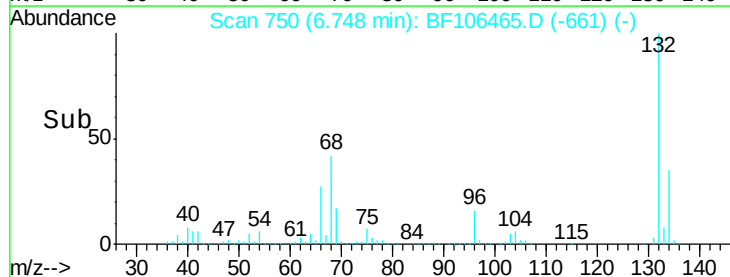
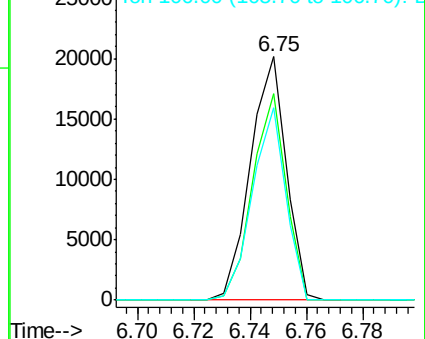
77 100

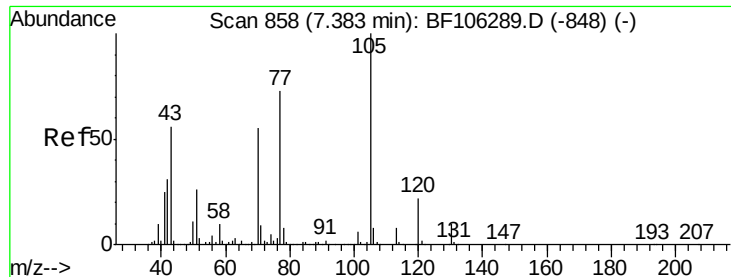
105 84.8 81.1 121.1

106 78.8 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

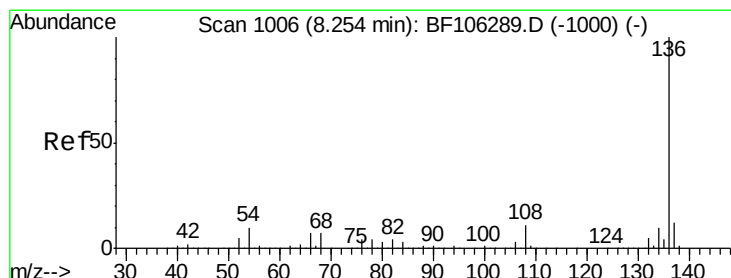
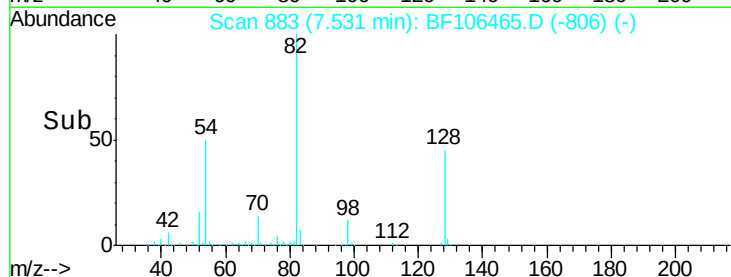
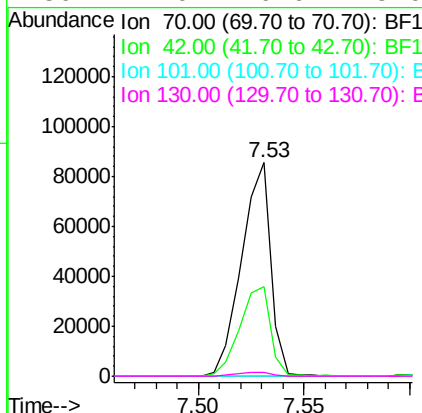
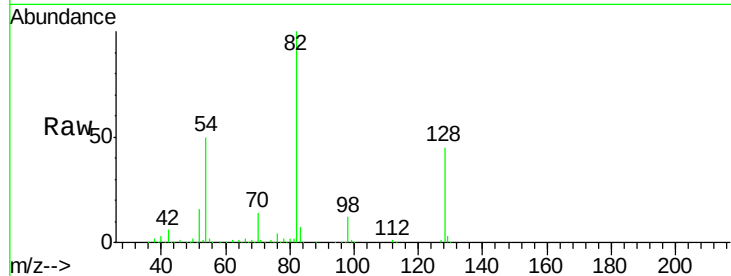




#19
n-Nitroso-di-n-propylamine
Concen: 13.330 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.15 min
Lab File: BF106465.D
Acq: 15 Jun 2018 1:58

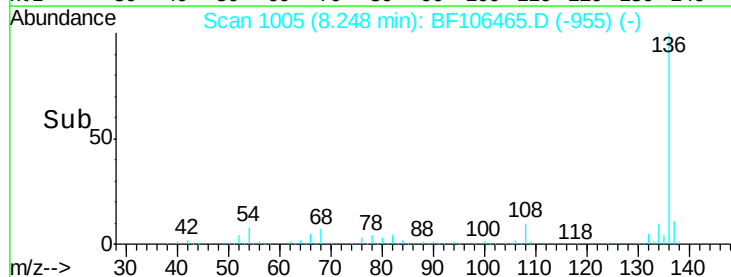
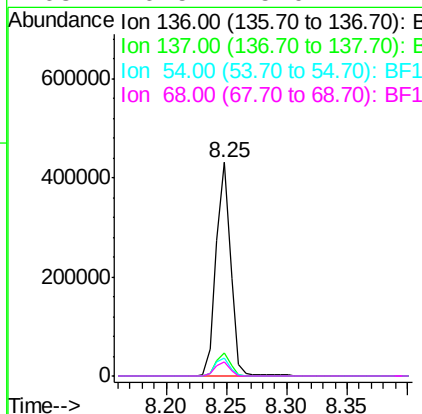
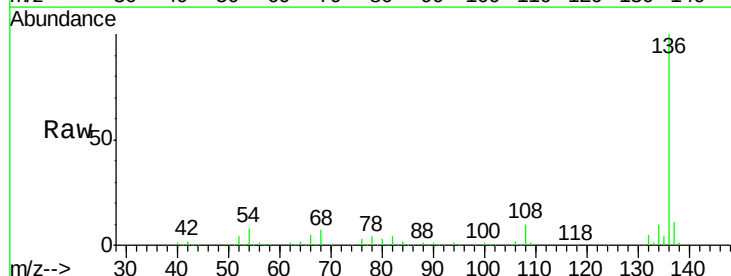
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-021-A

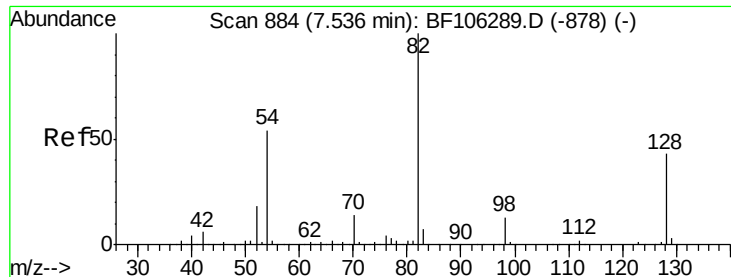
Tgt Ion: 70 Resp: 81803
Ion Ratio Lower Upper
70 100
42 41.8 47.5 71.3#
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF106465.D
Acq: 15 Jun 2018 1:58

Tgt Ion: 136 Resp: 352698
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.3 6.6 9.8
68 6.5 5.0 7.4

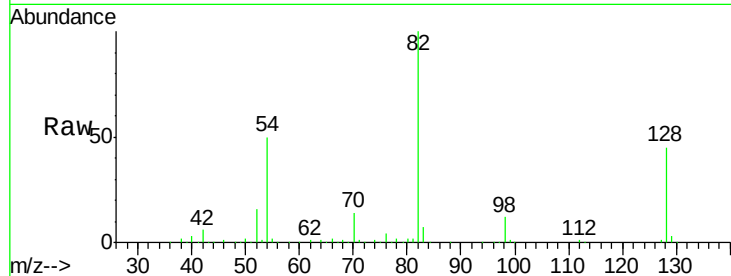




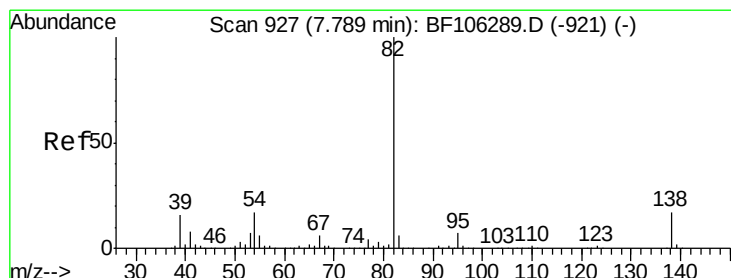
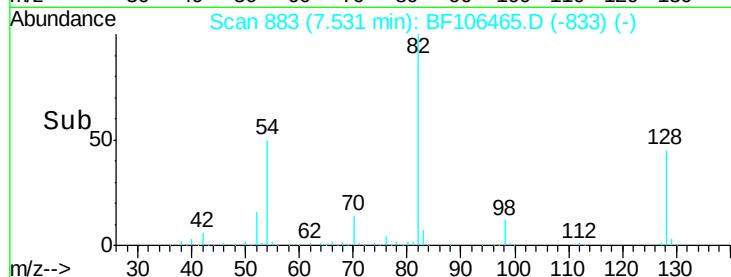
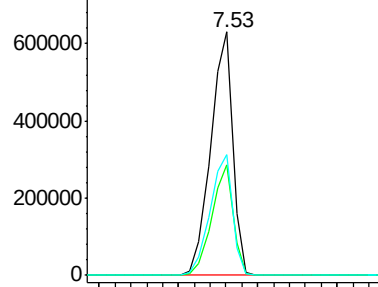
#23
 Nitrobenzene-d5
 Concen: 100.772 ng
 RT: 7.53 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF106465.D
 Acq: 15 Jun 2018 1:58

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

Tgt Ion: 82 Resp: 604163
 Ion Ratio Lower Upper
 82 100
 128 45.3 36.1 54.1
 54 49.7 41.4 62.2

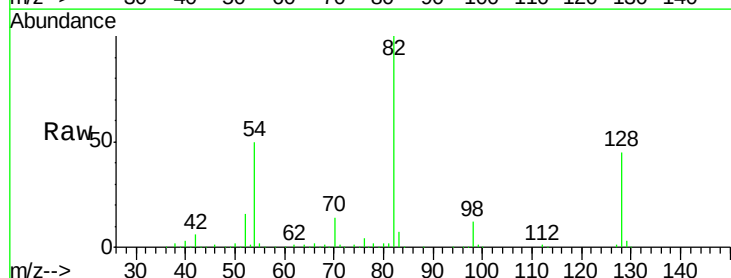


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

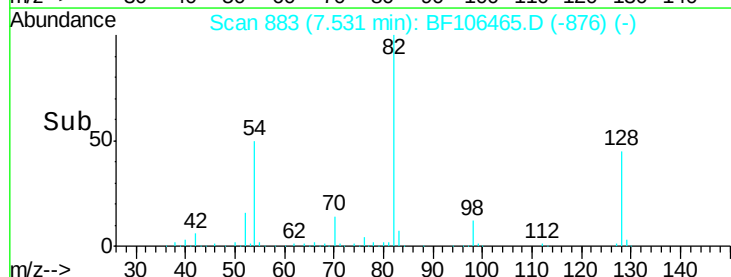
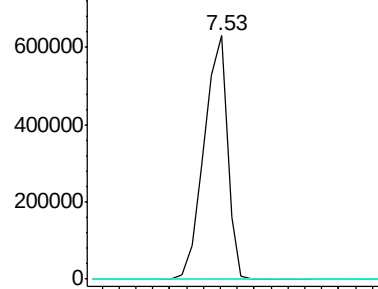


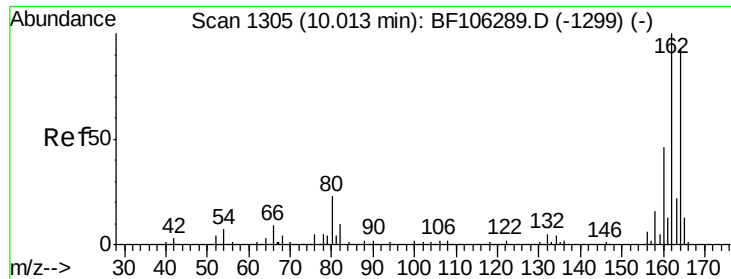
#25
 Isophorone
 Concen: 51.591 ng
 RT: 7.53 min Scan# 883
 Delta R.T. -0.26 min
 Lab File: BF106465.D
 Acq: 15 Jun 2018 1:58

Tgt Ion: 82 Resp: 604148
 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: BF106465.D

Acq: 15 Jun 2018 1:58

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-021-A

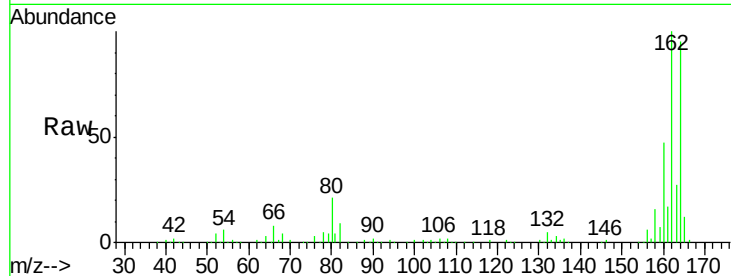
Tgt Ion:164 Resp: 135828

Ion Ratio Lower Upper

164 100

162 105.2 86.1 129.1

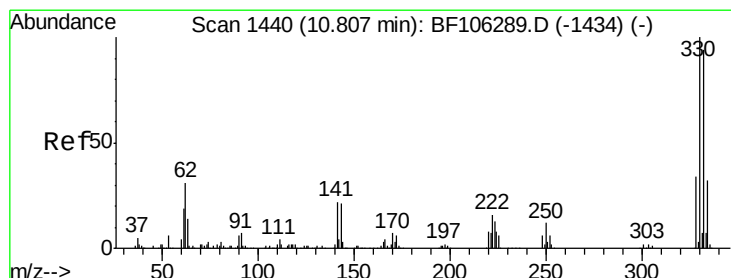
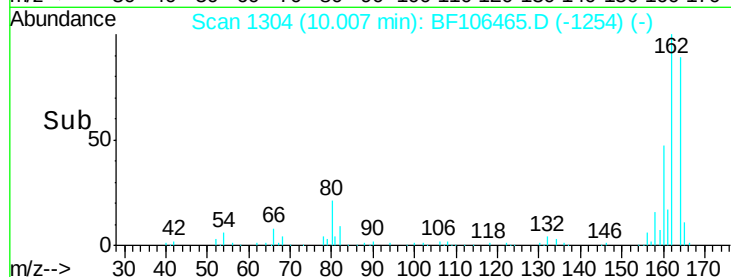
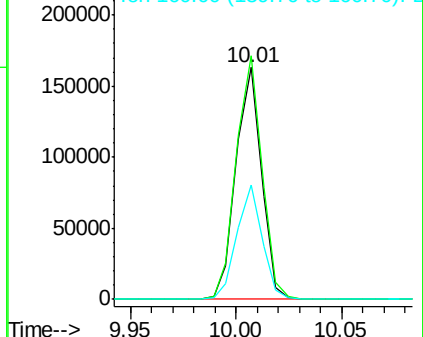
160 49.1 38.3 57.5



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: 167.713 ng

RT: 10.80 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF106465.D

Acq: 15 Jun 2018 1:58

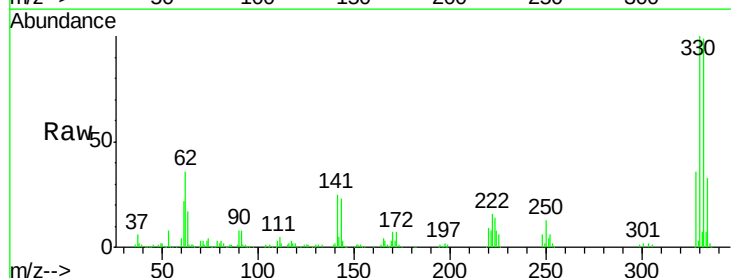
Tgt Ion:330 Resp: 219184

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

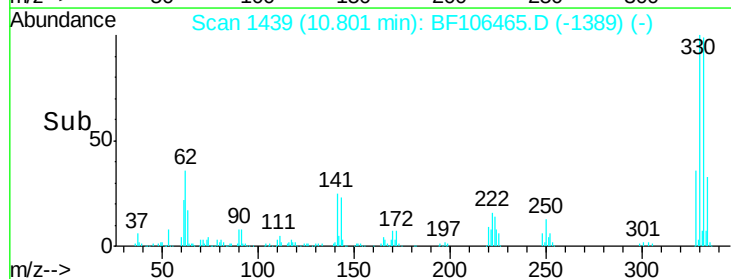
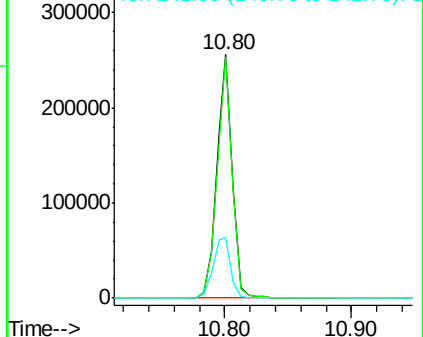
141 28.4 29.9 44.9#

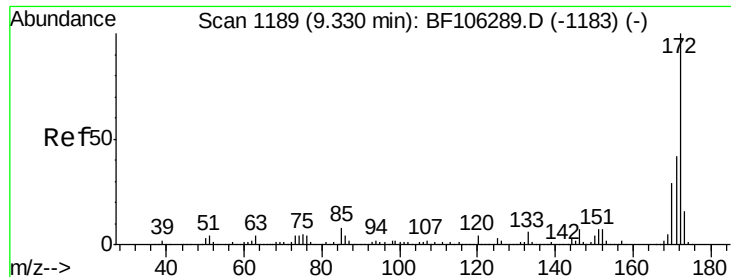


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 134.547 ng

RT: 9.32 min Scan# 1188

Delta R.T. -0.00 min

Lab File: BF106465.D

Acq: 15 Jun 2018 1:58

Instrument :

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FK-GF-02-021-A

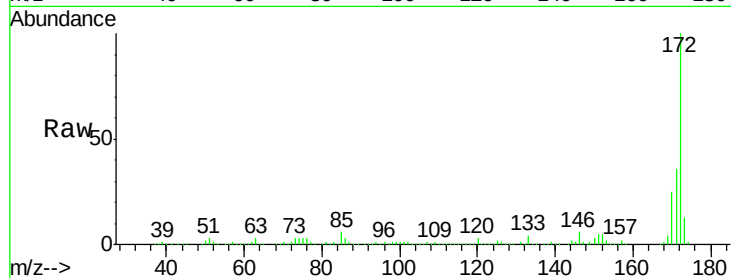
Tgt Ion:172 Resp: 862725

Ion Ratio Lower Upper

172 100

171 36.2 29.7 44.5

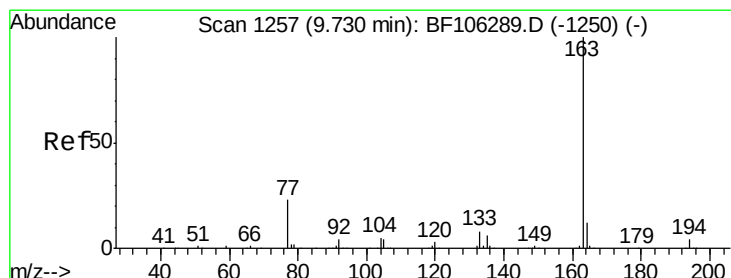
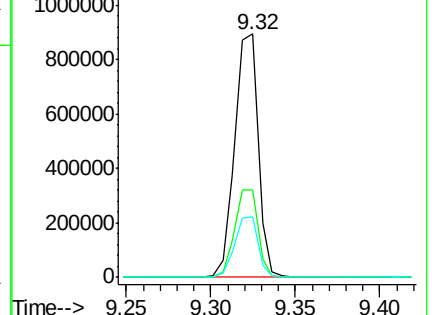
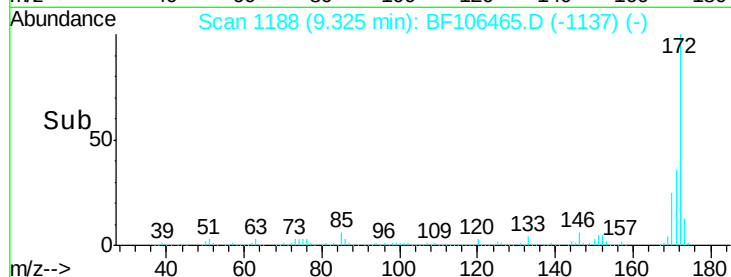
170 25.1 19.6 29.4



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: 8.959 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.01 min

Lab File: BF106465.D

Acq: 15 Jun 2018 1:58

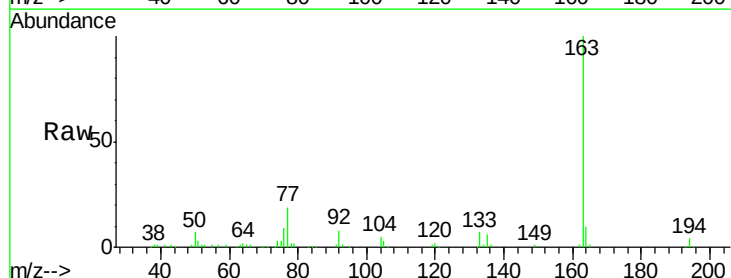
Tgt Ion:163 Resp: 86935

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

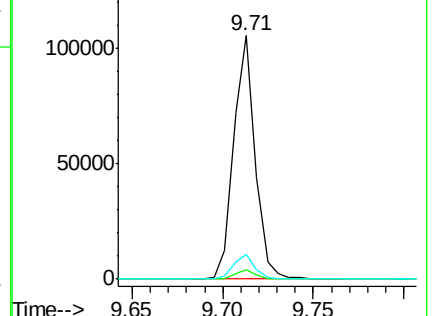
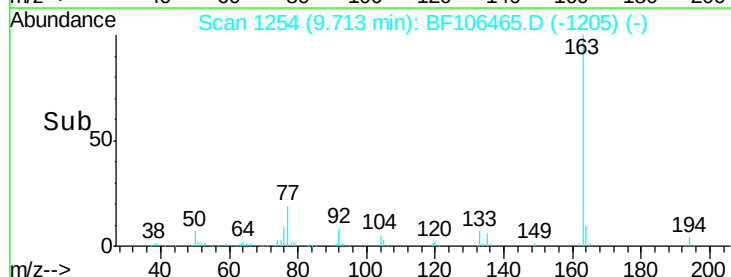
164 10.0 8.2 12.2

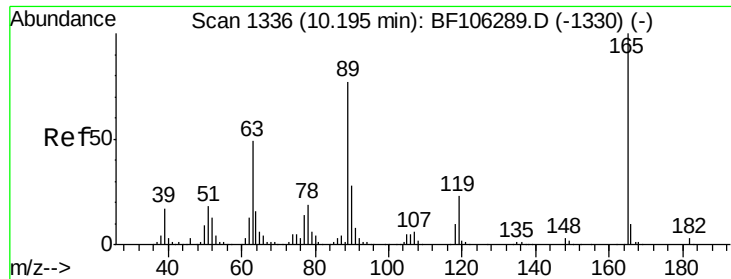


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

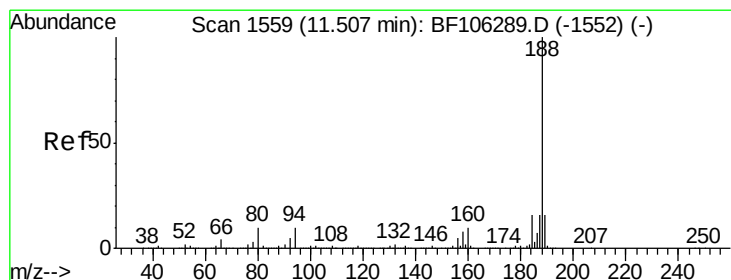
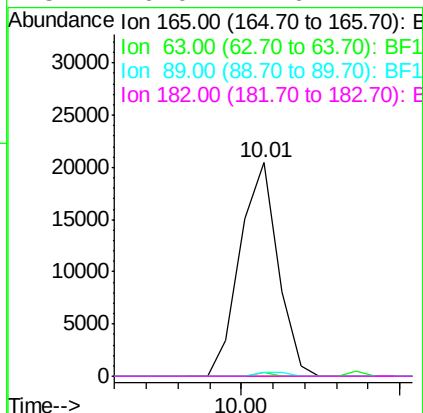
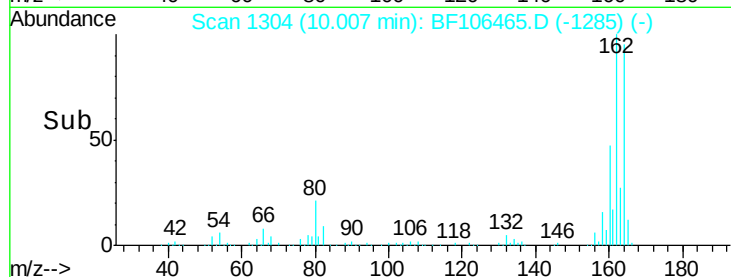
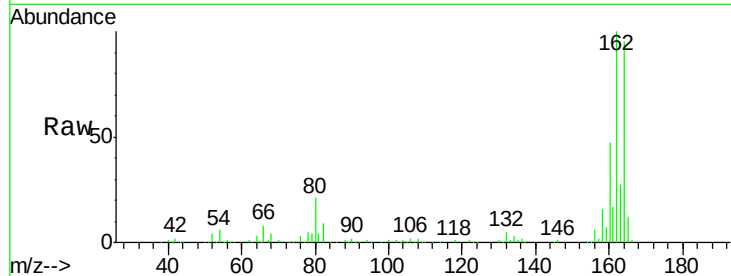




#56
2,4-Dinitrotoluene
Concen: 6.790 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.19 min
Lab File: BF106465.D
Acq: 15 Jun 2018 1:58

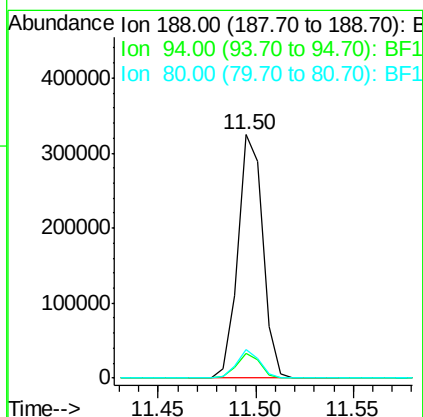
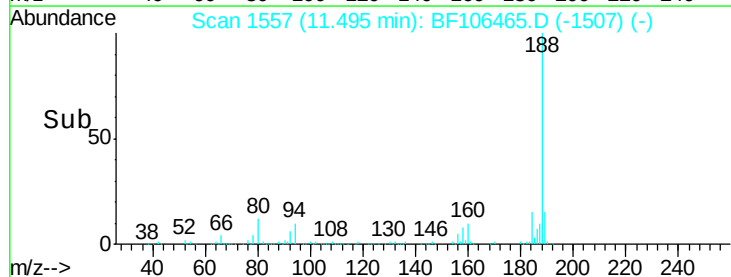
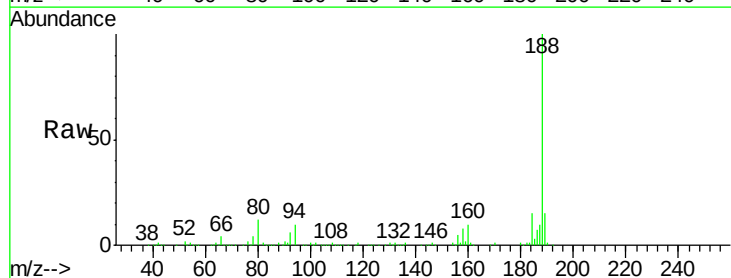
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-021-A

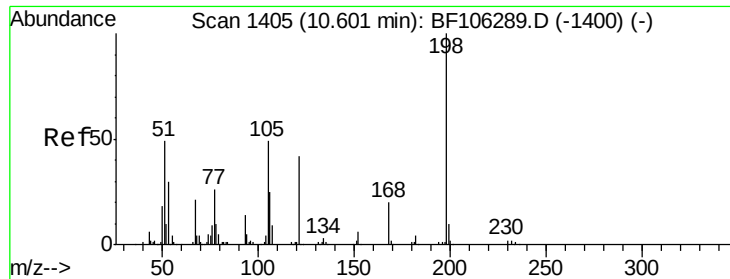
Tgt Ion:	165	Resp:	16901
Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	2.1	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106465.D
Acq: 15 Jun 2018 1:58

Tgt Ion:	188	Resp:	286793
Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.5	12.7
80	11.6	9.2	13.8

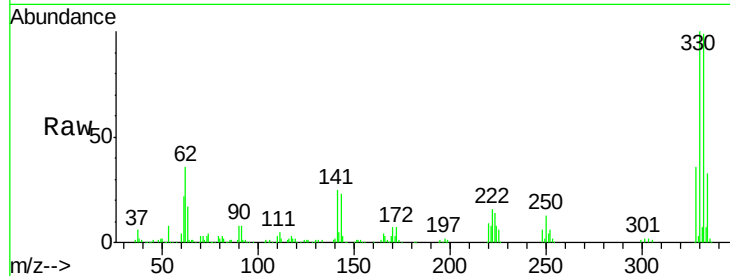




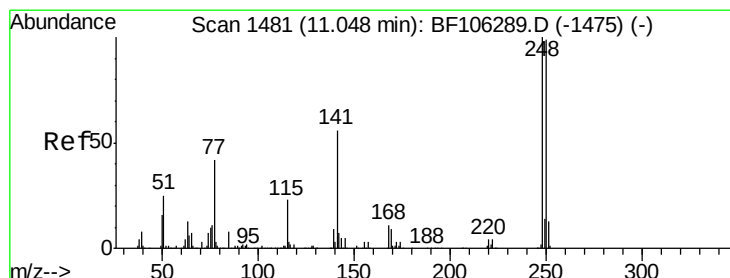
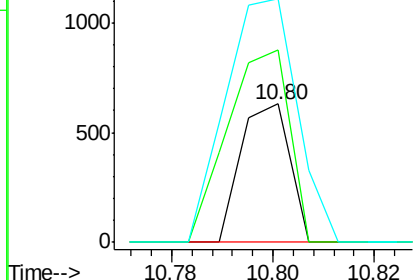
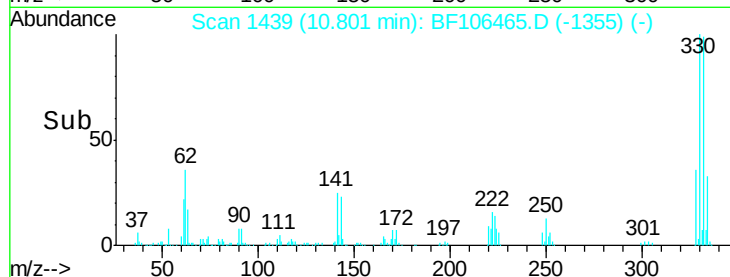
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.532 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.19 min
 Lab File: BF106465.D
 Acq: 15 Jun 2018 1:58

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

Tgt Ion:198 Resp: 423
 Ion Ratio Lower Upper
 198 100
 51 139.6 37.7 77.7#
 105 176.3 36.3 76.3#

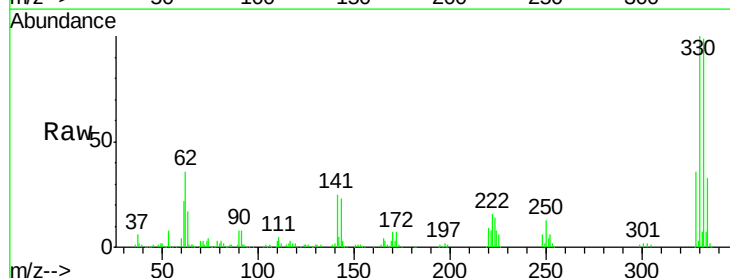


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

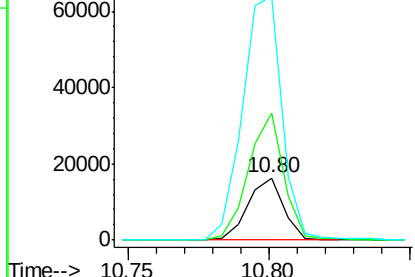
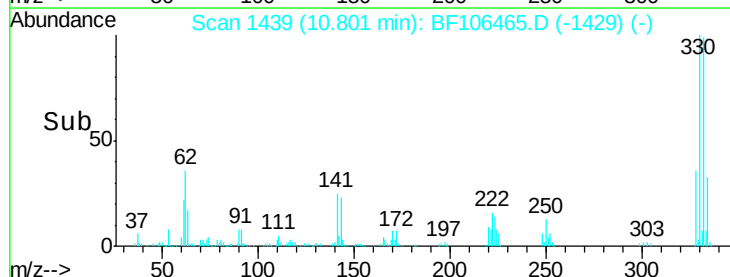


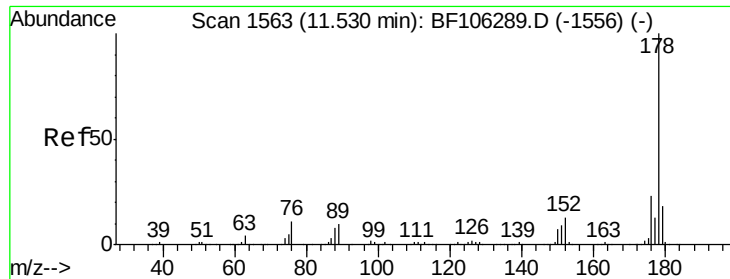
#66
 4-Bromophenyl-phenylether
 Concen: 4.390 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF106465.D
 Acq: 15 Jun 2018 1:58

Tgt Ion:248 Resp: 14321
 Ion Ratio Lower Upper
 248 100
 250 203.5 76.9 115.3#
 141 389.7 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: 4.674 ng

RT: 11.52 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF106465.D

Acq: 15 Jun 2018 1:58

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-021-A

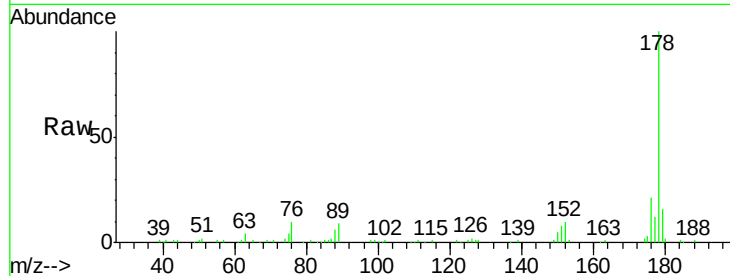
Tgt Ion:178 Resp: 65650

Ion Ratio Lower Upper

178 100

176 20.6 15.8 23.8

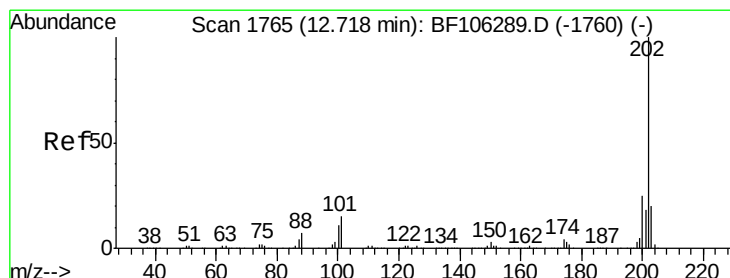
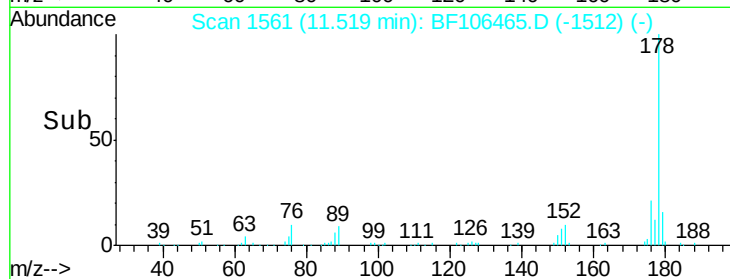
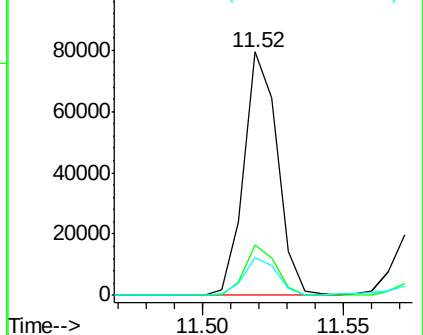
179 15.5 13.0 19.6



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: 8.424 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106465.D

Acq: 15 Jun 2018 1:58

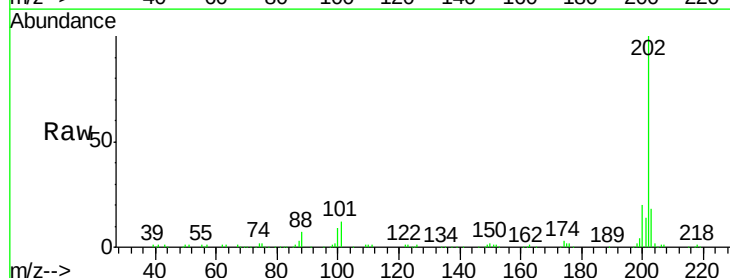
Tgt Ion:202 Resp: 126177

Ion Ratio Lower Upper

202 100

101 11.9 0.0 34.1

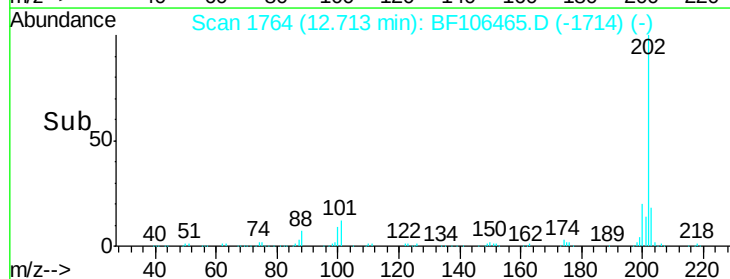
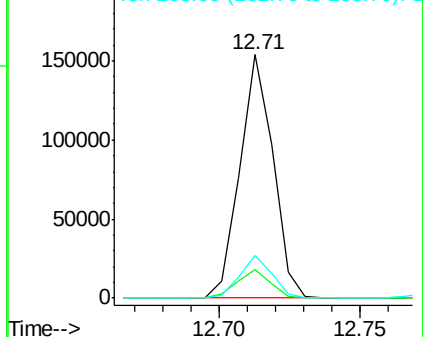
203 17.6 0.0 38.1

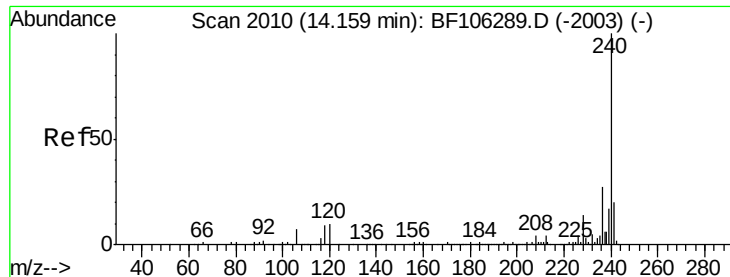


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF106465.D

Acq: 15 Jun 2018 1:58

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-021-A

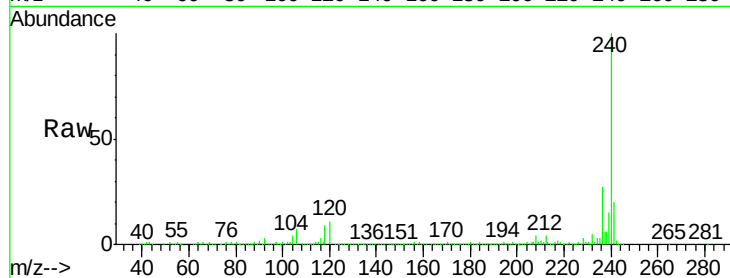
Tgt Ion:240 Resp: 305508

Ion Ratio Lower Upper

240 100

120 10.5 9.5 14.3

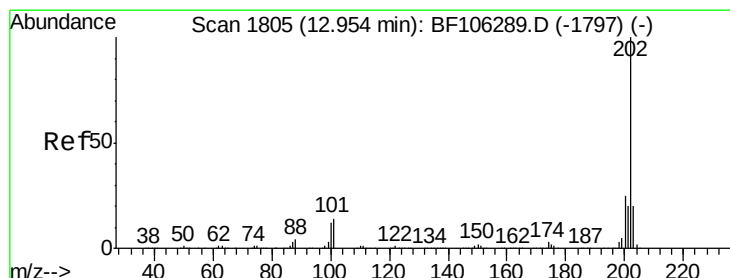
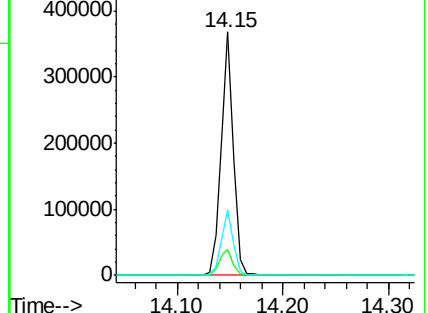
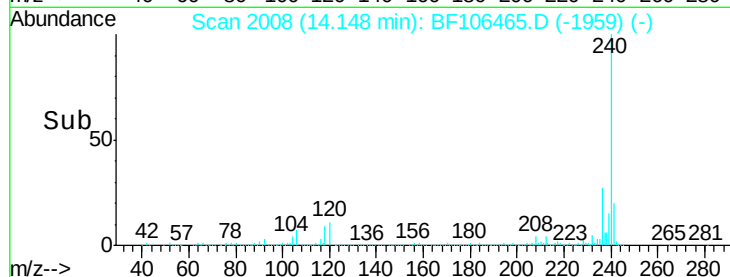
236 26.7 20.7 31.1



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: 6.314 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106465.D

Acq: 15 Jun 2018 1:58

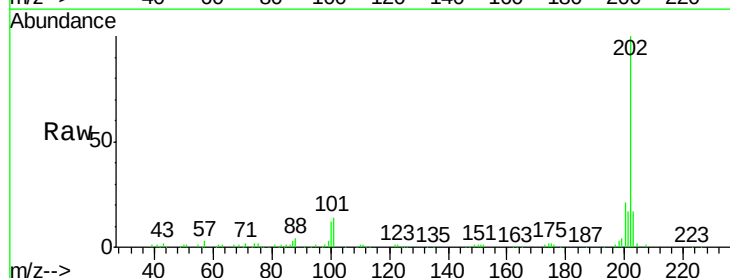
Tgt Ion:202 Resp: 120759

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

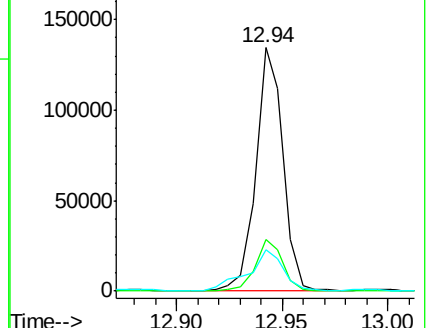
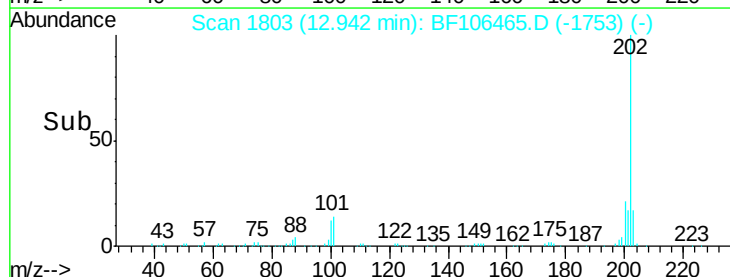
203 17.0 14.3 21.5

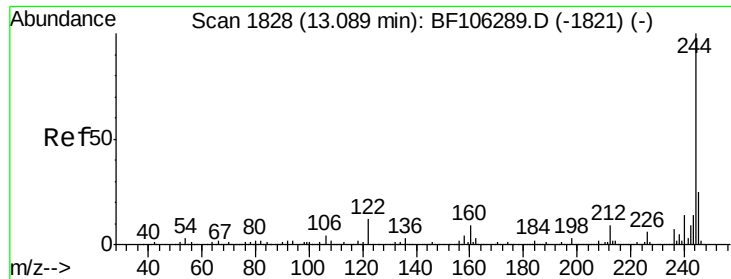


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 86.671 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF106465.D

Acq: 15 Jun 2018 1:58

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-021-A

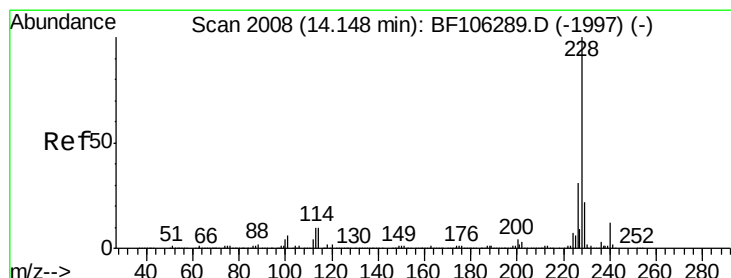
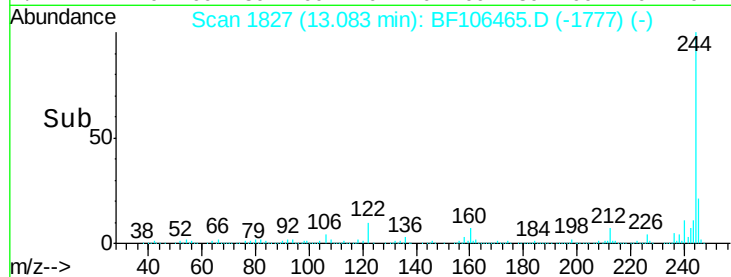
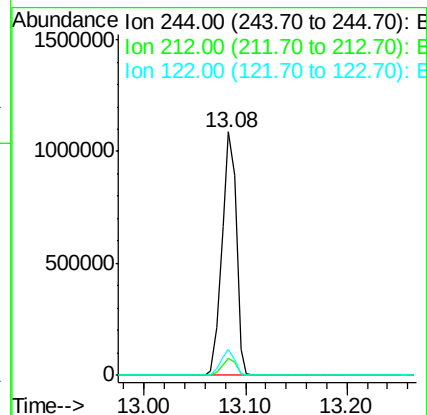
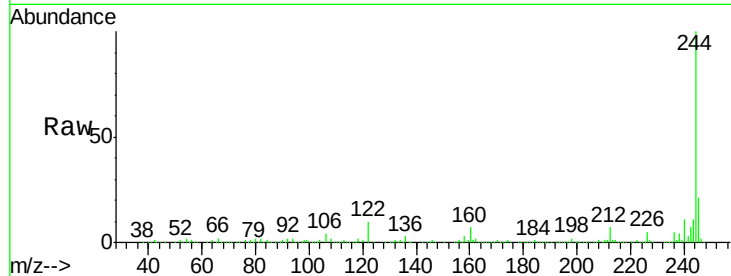
Tgt Ion:244 Resp: 1066068

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

122 10.4 11.0 16.4#



#80

Benzo(a)anthracene

Concen: 3.201 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF106465.D

Acq: 15 Jun 2018 1:58

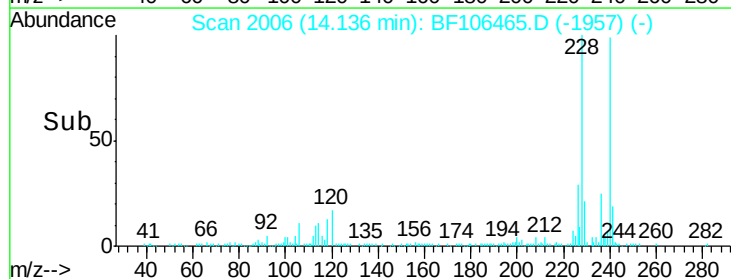
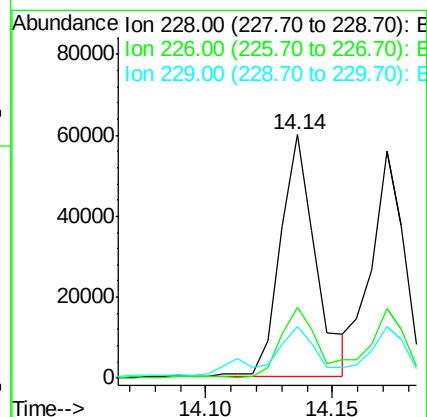
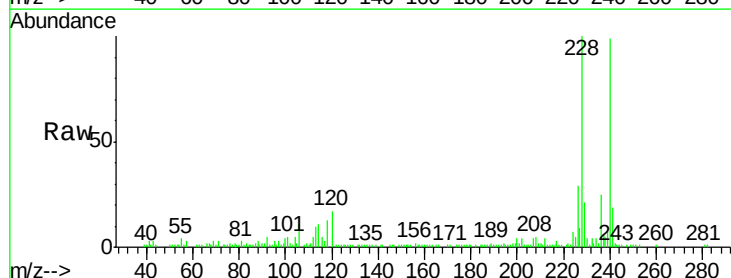
Tgt Ion:228 Resp: 58193

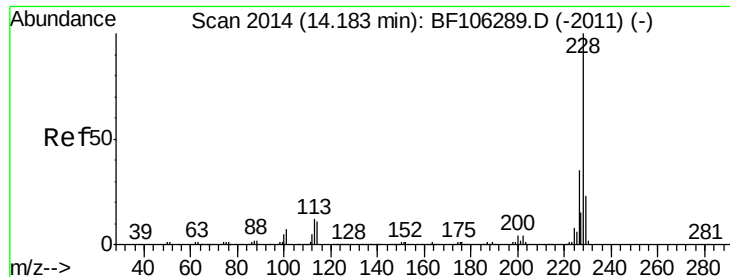
Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

229 21.2 15.8 23.6





#82

Chrysene

Concen: 3.088 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF106465.D

Acq: 15 Jun 2018 1:58

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-021-A

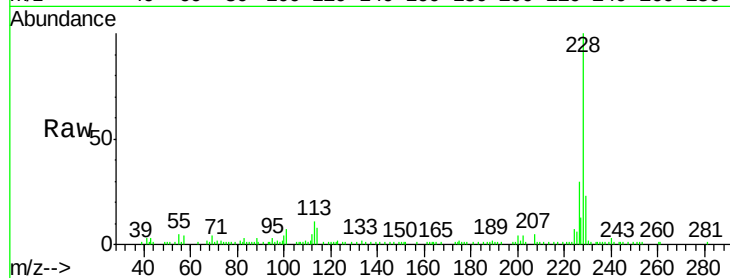
Tgt Ion:228 Resp: 51251

Ion Ratio Lower Upper

228 100

226 30.4 25.0 37.6

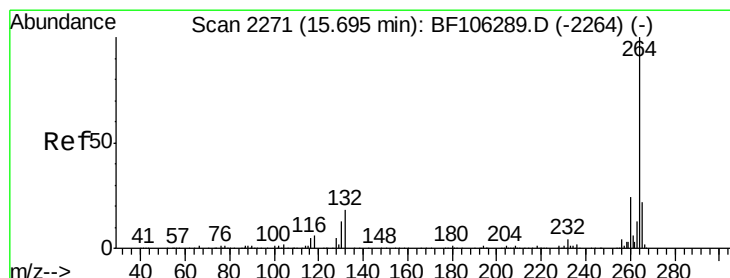
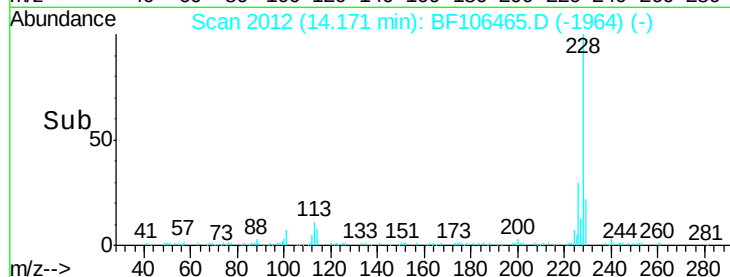
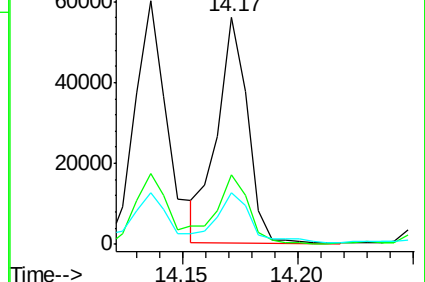
229 22.7 16.2 24.4



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: BF106465.D

Acq: 15 Jun 2018 1:58

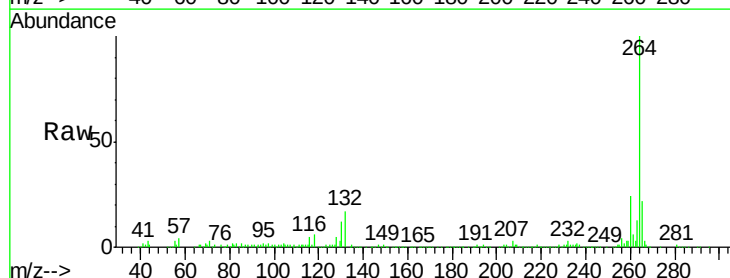
Tgt Ion:264 Resp: 219944

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

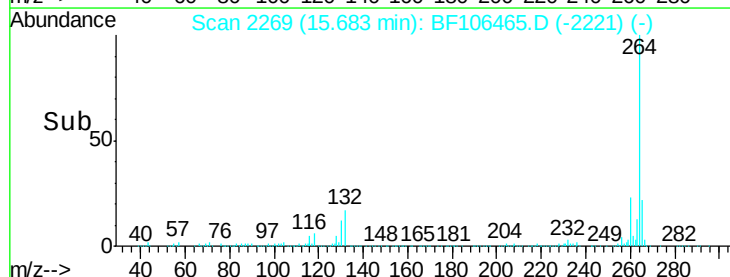
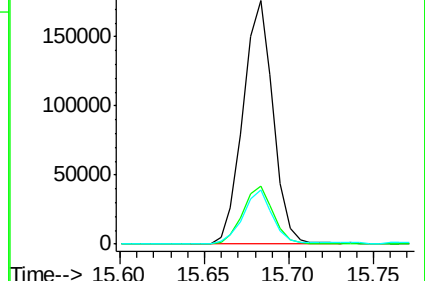
265 22.3 17.5 26.3

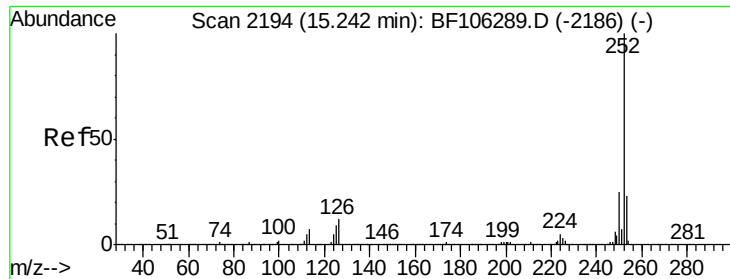


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

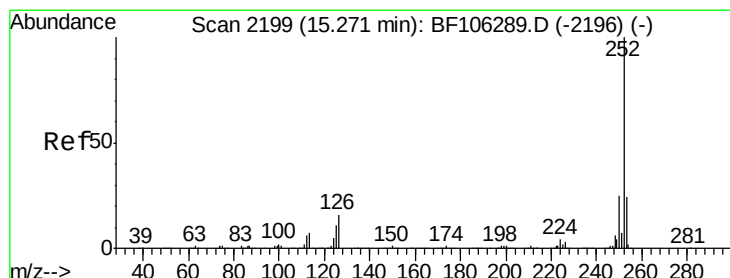
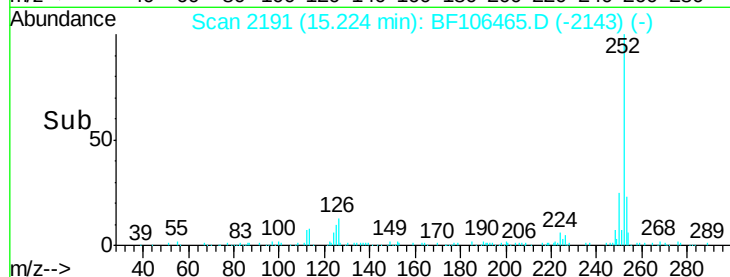
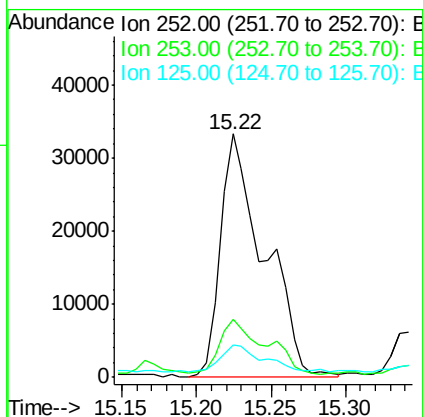
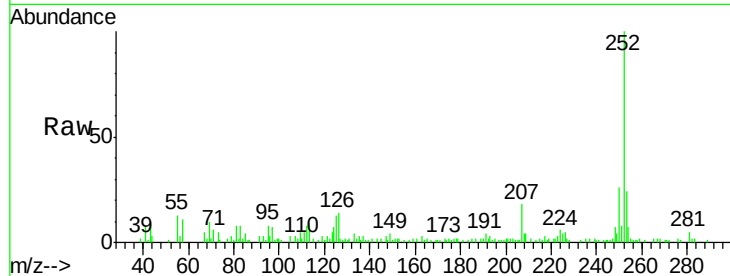




#87
Benzo(b)fluoranthene
Concen: 5.126 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BF106465.D
Acq: 15 Jun 2018 1:58

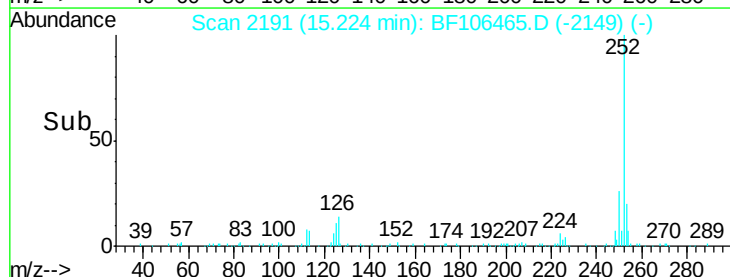
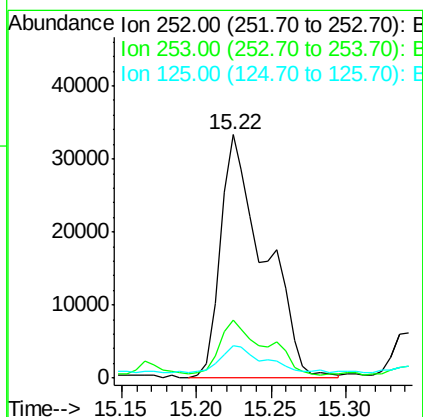
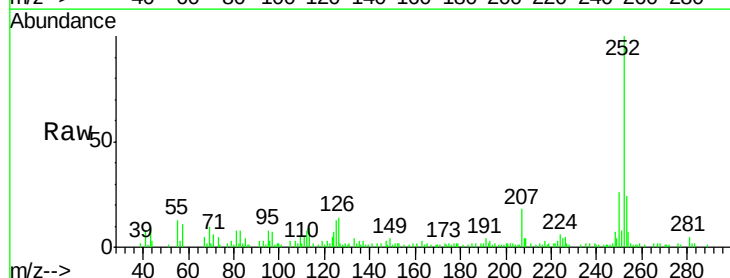
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-021-A

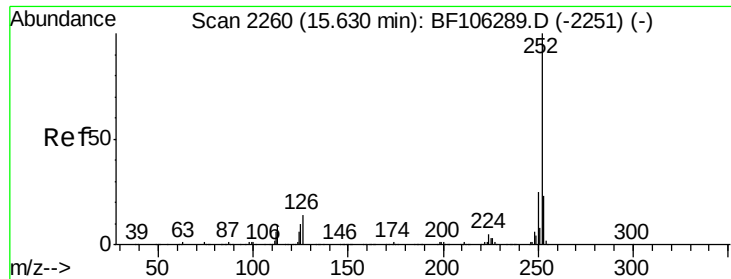
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	13.1	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 5.176 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.05 min
Lab File: BF106465.D
Acq: 15 Jun 2018 1:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	13.1	10.2	15.2





#89

Benzo(a)pyrene

Concen: 2.926 ng

RT: 15.61 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BF106465.D

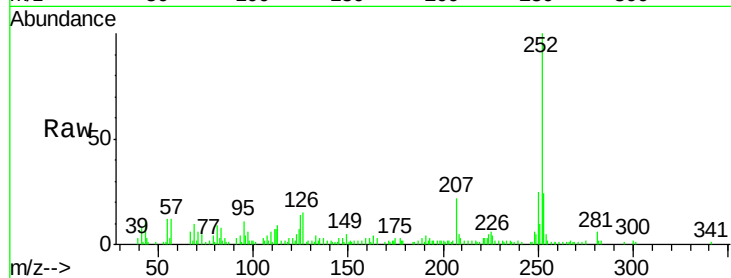
Acq: 15 Jun 2018 1:58

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-021-A



Tgt Ion:	252	Resp:	34991
Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	13.6	9.8	14.6

