

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032117\
 Data File : BF093805.D
 Acq On : 21 Mar 2017 18:27
 Operator : SJ/MA
 Sample : I2331-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-002-B

Quant Time: Mar 22 00:54:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 21 14:38:20 2017
 Response via : Initial Calibration

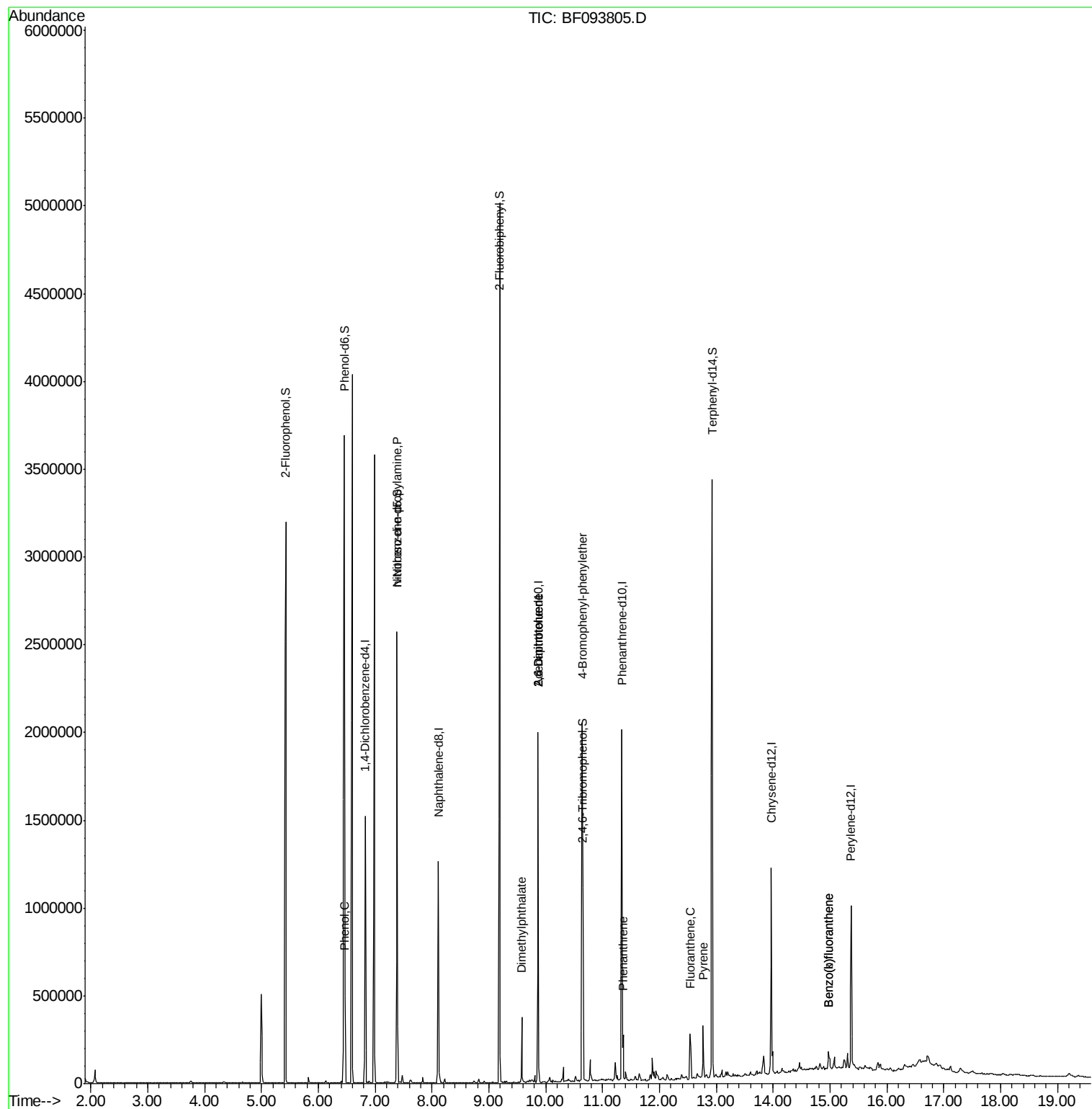
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	209659	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	868225	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	410020	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	653734	20.00	ng	0.00
75) Chrysene-d12	13.97	240	416111	20.00	ng	0.00
86) Perylene-d12	15.37	264	383488	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1271703	106.07	ng	0.01
7) Phenol-d6	6.46	99	1401486	94.60	ng	0.00
23) Nitrobenzene-d5	7.38	82	850394	55.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	302122	95.13	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	1558144	63.90	ng	0.00
78) Terphenyl-d14	12.93	244	1148555	56.28	ng	0.00
Target Compounds						
10) Phenol	6.47	94	89331	5.36	ng	Qvalue 89
19) n-Nitroso-di-n-propylamine	7.38	70	112834	11.62	ng	# 80
49) Dimethylphthalate	9.58	163	136293	4.67	ng	100
50) 2,6-Dinitrotoluene	9.86	165	52989	8.27	ng	# 33
56) 2,4-Dinitrotoluene	9.86	165	52991	6.52	ng	# 33
66) 4-Bromophenyl-phenylether	10.64	248	19696	3.13	ng	# 1
70) Phenanthrene	11.36	178	86475	2.48	ng	98
74) Fluoranthene	12.54	202	129371	3.62	ng	93
77) Pyrene	12.77	202	116420	3.36	ng	98
87) Benzo(b)fluoranthene	14.97	252	71532	2.77	ng	# 94
88) Benzo(k)fluoranthene	14.97	252	71532	3.75	ng	98

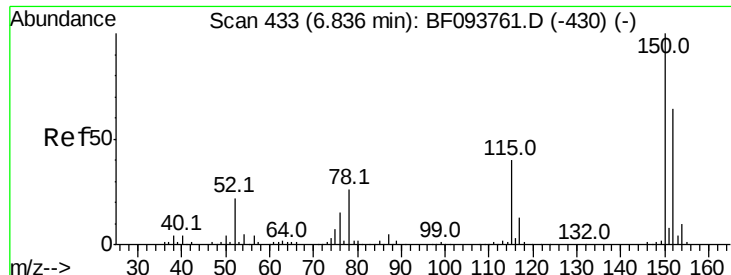
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 432

Delta R.T. -0.00 min

Lab File: BF093805.D

Acq: 21 Mar 2017 18:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-002-B

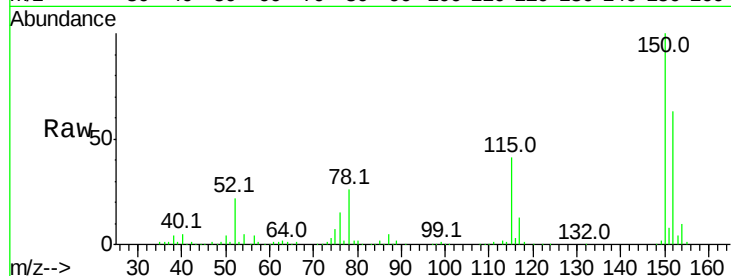
Tot Ion:152 Resp: 209659

Ion Ratio Lower Upper

152 100

150 157.8 126.2 189.2

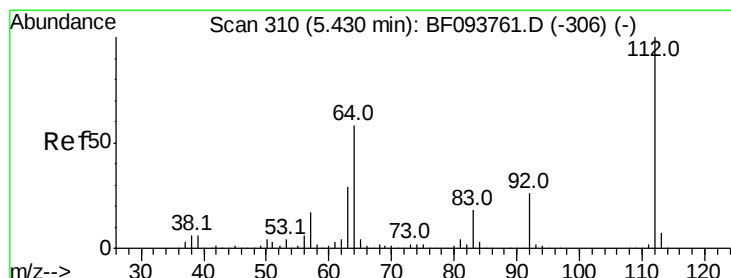
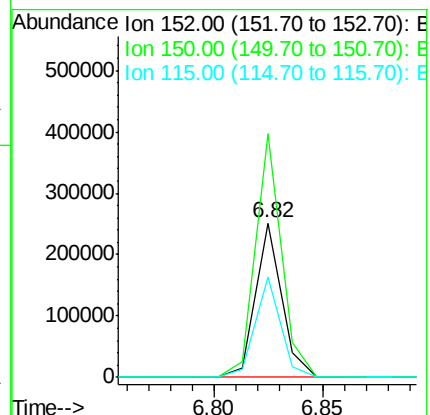
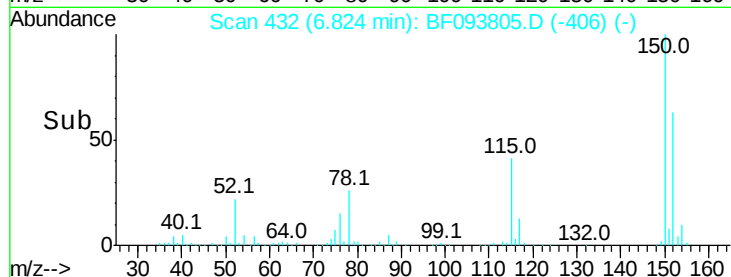
115 64.6 52.2 78.2



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: 106.07 ng

RT: 5.43 min Scan# 310

Delta R.T. 0.01 min

Lab File: BF093805.D

Acq: 21 Mar 2017 18:27

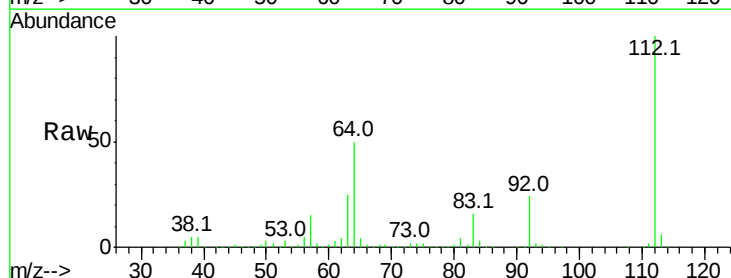
Tgt Ion:112 Resp: 1271703

Ion Ratio Lower Upper

112 100

64 50.5 46.0 69.0

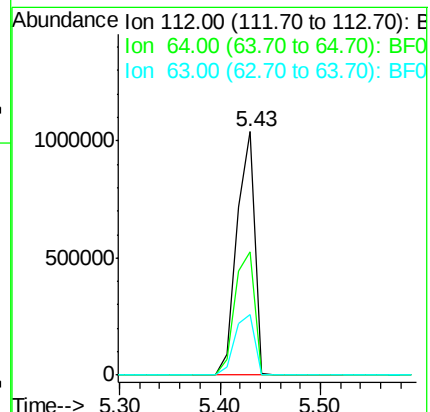
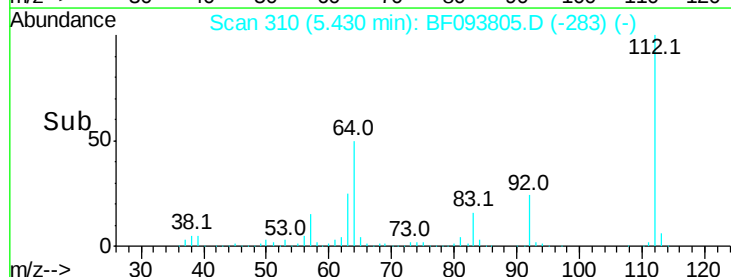
63 25.1 23.4 35.0

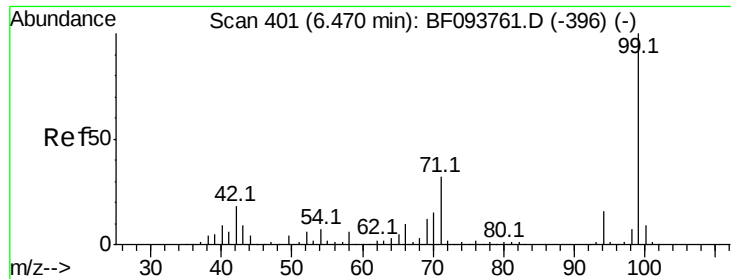


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 94.60 ng

RT: 6.46 min Scan# 400

Delta R.T. -0.00 min

Lab File: BF093805.D

Acq: 21 Mar 2017 18:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-002-B

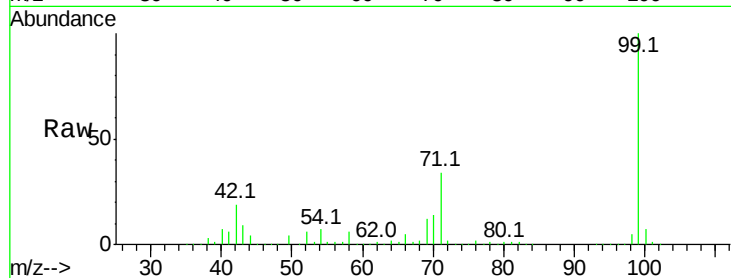
Tot Ion: 99 Resp: 1401486

Ion Ratio Lower Upper

99 100

42 18.7 13.5 20.3

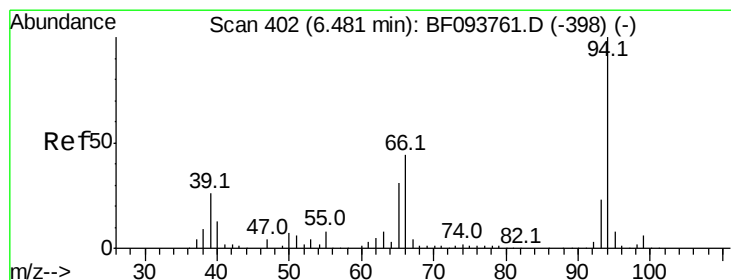
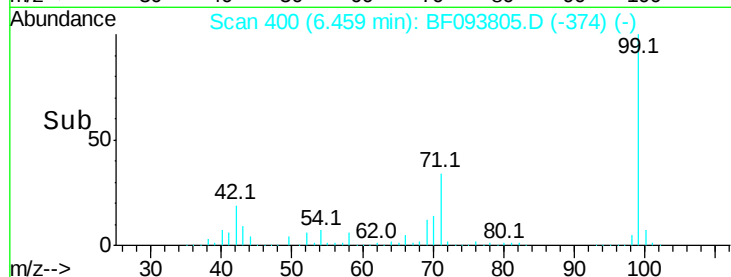
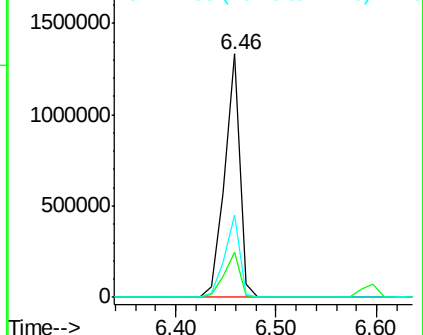
71 33.8 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 5.36 ng

RT: 6.47 min Scan# 401

Delta R.T. -0.00 min

Lab File: BF093805.D

Acq: 21 Mar 2017 18:27

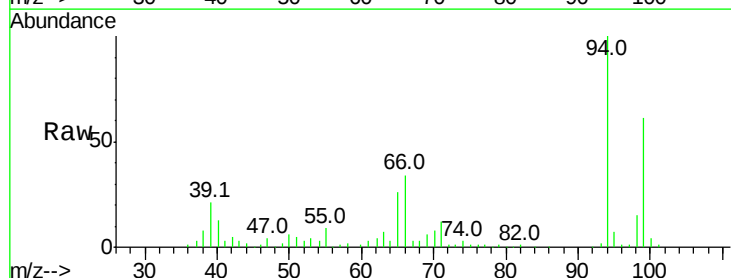
Tgt Ion: 94 Resp: 89331

Ion Ratio Lower Upper

94 100

65 25.8 9.9 49.9

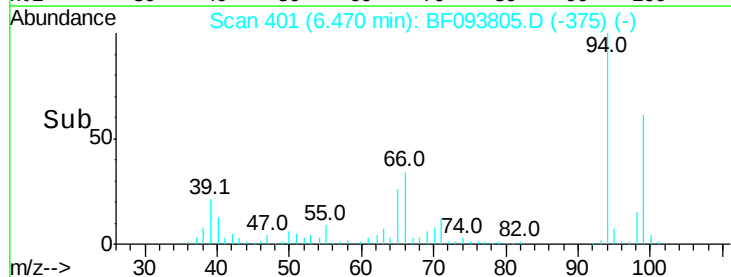
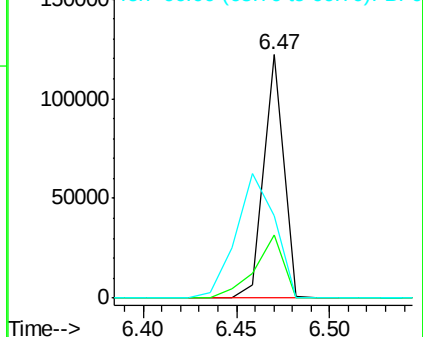
66 34.0 23.1 63.1

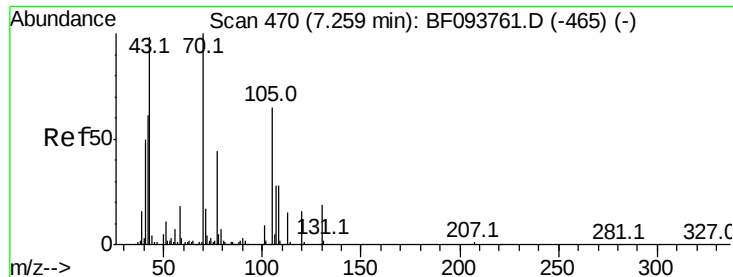


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

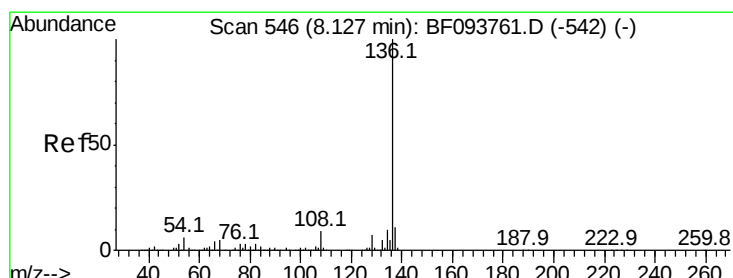
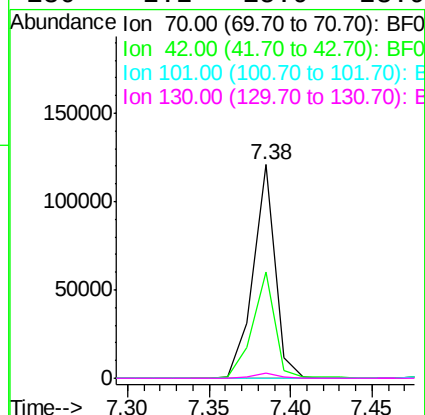
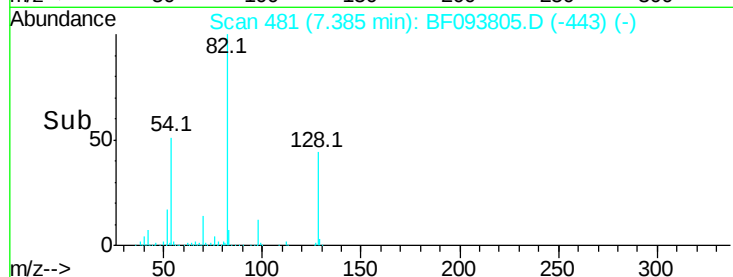
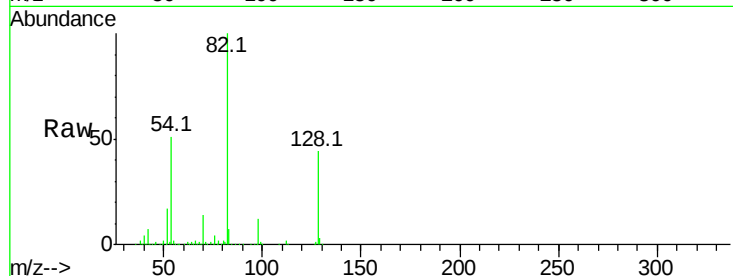




#19
n-Nitroso-di-n-propylamine
Concen: 11.62 ng
RT: 7.38 min Scan# 481
Delta R.T. 0.14 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

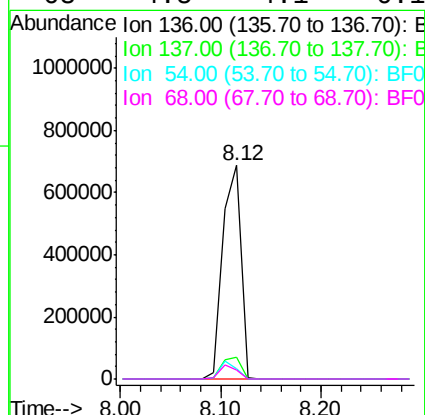
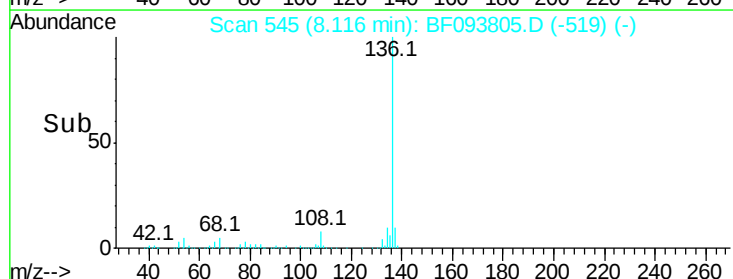
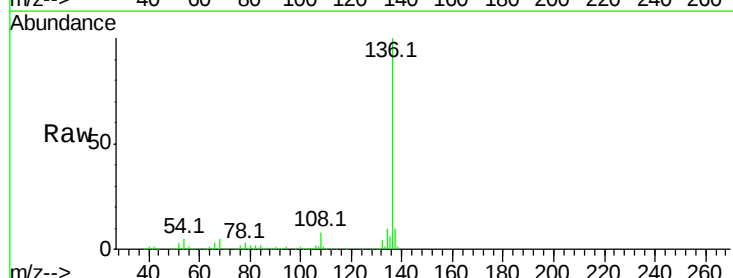
Instrument :
BNA_F
ClientSampleId :
FK-GF-01-002-B

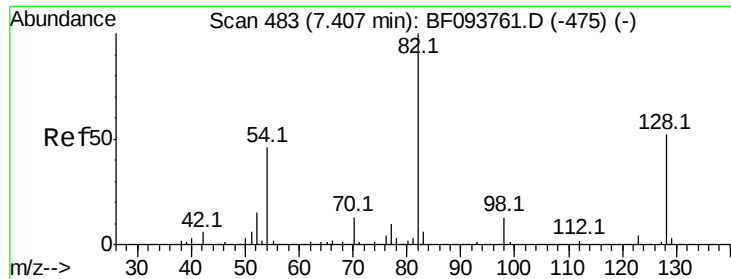
Tot Ion: 70 Resp: 112834
Ion Ratio Lower Upper
70 100
42 49.7 47.2 70.8
101 0.0 7.2 10.8#
130 2.2 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 545
Delta R.T. -0.00 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

Tgt Ion:136 Resp: 868225
Ion Ratio Lower Upper
136 100
137 10.3 8.5 12.7
54 5.0 4.9 7.3
68 4.5 4.1 6.1

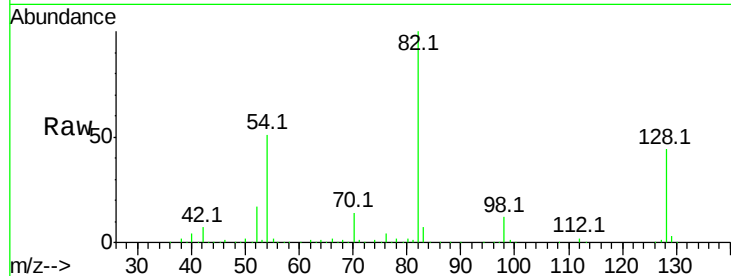




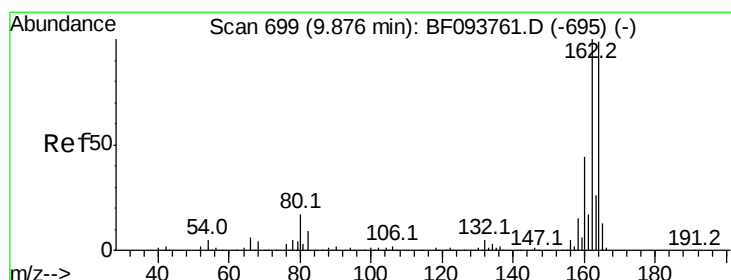
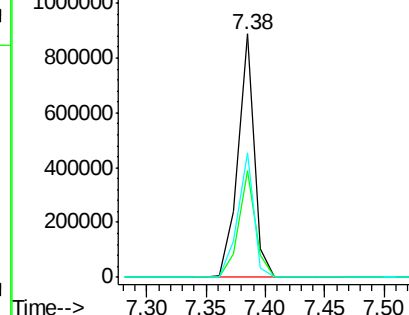
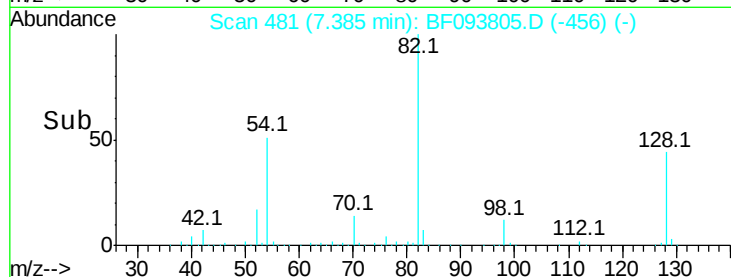
#23
Nitrobenzene-d5
Concen: 55.56 ng
RT: 7.38 min Scan# 481
Delta R.T. -0.01 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-01-002-B

Tot Ion: 82 Resp: 850394
Ion Ratio Lower Upper
82 100
128 43.9 34.0 51.0
54 51.3 42.2 63.2

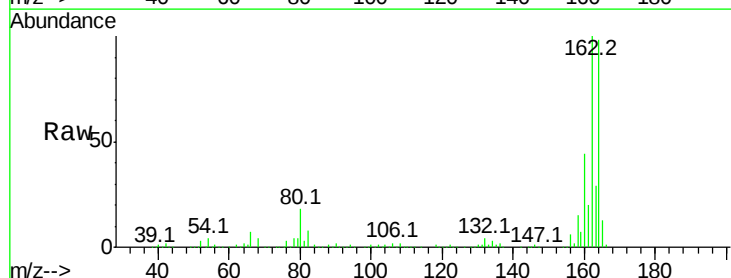


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

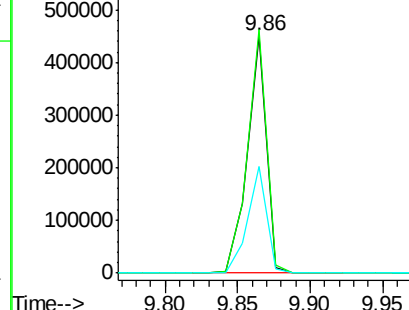
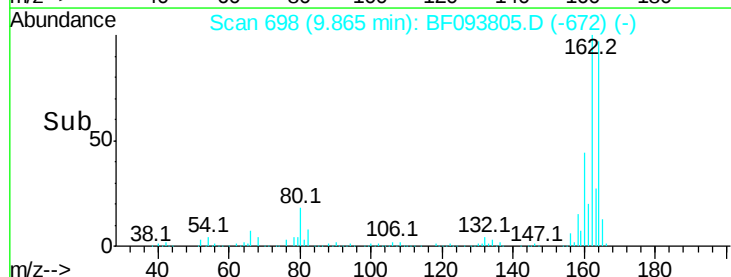


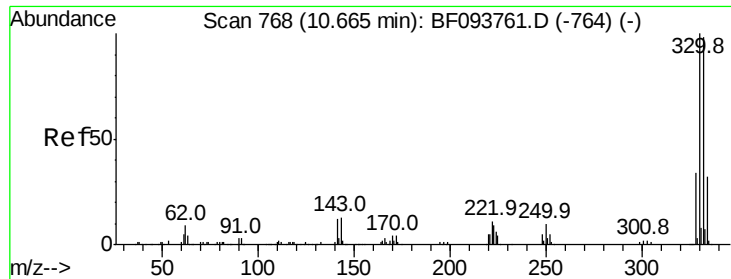
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 698
Delta R.T. -0.00 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

Tgt Ion:164 Resp: 410020
Ion Ratio Lower Upper
164 100
162 102.4 82.6 123.8
160 44.9 36.2 54.2



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

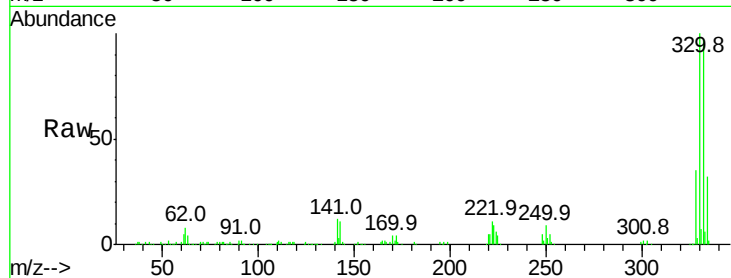




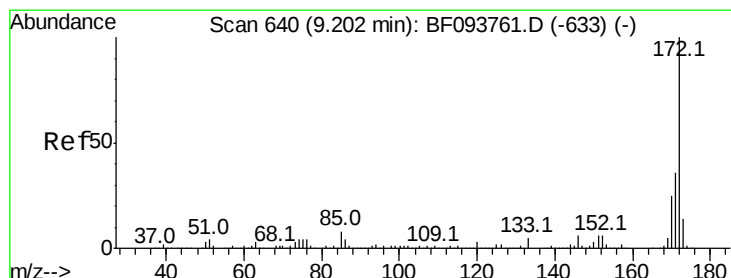
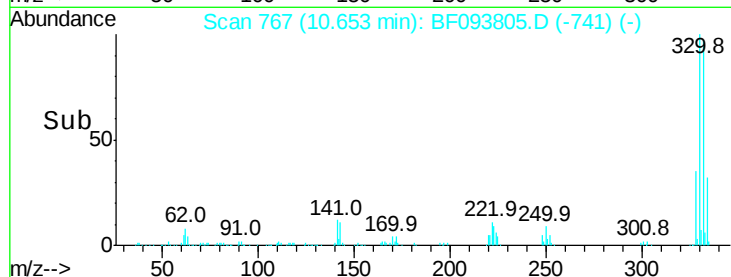
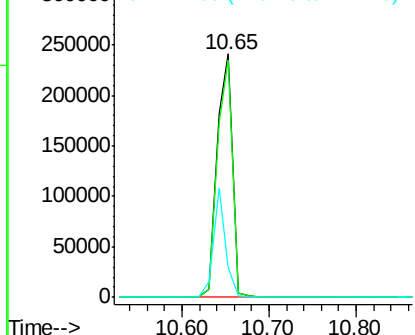
#41
 2,4,6-Tribromophenol
 Concen: 95.13 ng
 RT: 10.65 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BF093805.D
 Acq: 21 Mar 2017 18:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-002-B

Tot Ion:330 Resp: 302122
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.6 115.0
 141 35.6 31.4 47.2

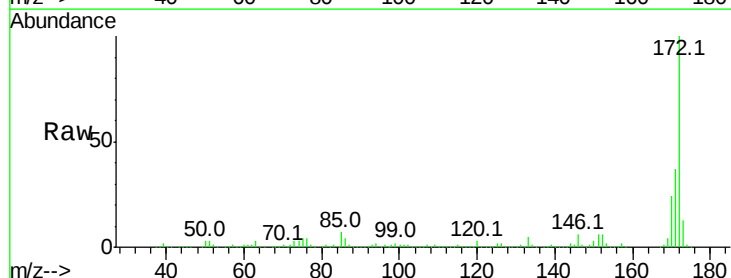


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

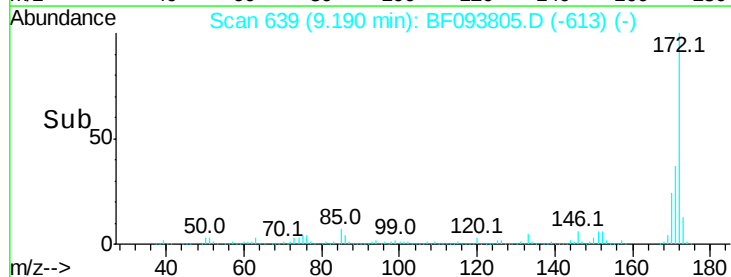
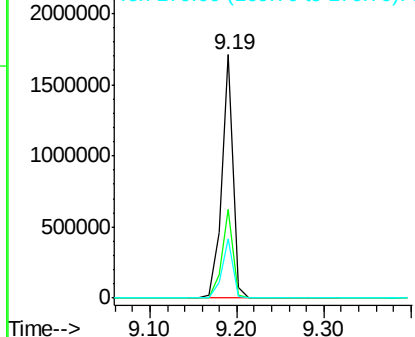


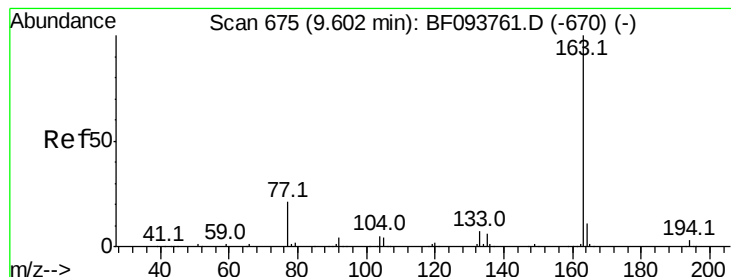
#44
 2-Fluorobiphenyl
 Concen: 63.90 ng
 RT: 9.19 min Scan# 639
 Delta R.T. -0.00 min
 Lab File: BF093805.D
 Acq: 21 Mar 2017 18:27

Tgt Ion:172 Resp: 1558144
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.6 44.4
 170 24.3 19.8 29.8



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: 4.67 ng

RT: 9.58 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF093805.D

Acq: 21 Mar 2017 18:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-002-B

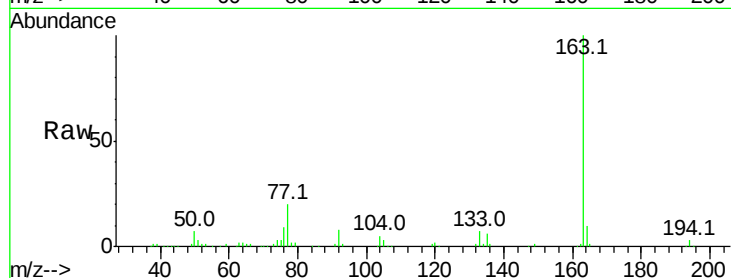
Tot Ion:163 Resp: 136293

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

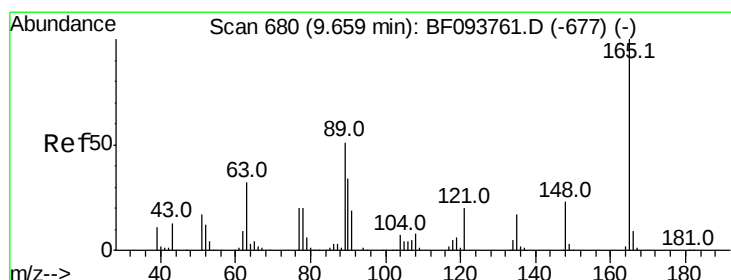
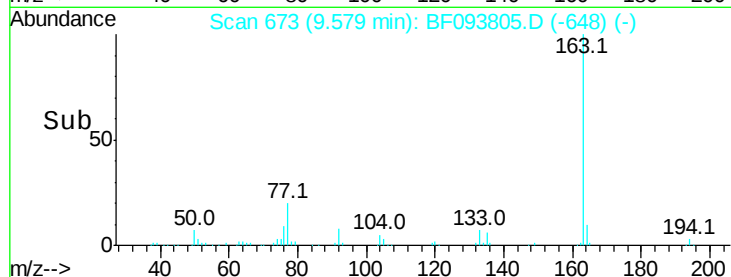
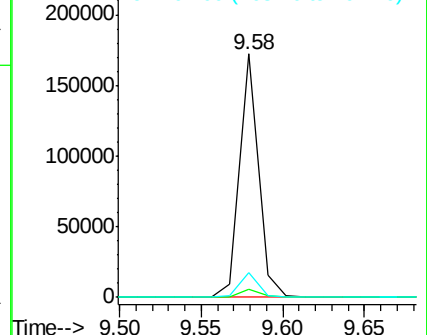
164 10.3 8.4 12.6



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



#50

2,6-Dinitrotoluene

Concen: 8.27 ng

RT: 9.86 min Scan# 698

Delta R.T. 0.22 min

Lab File: BF093805.D

Acq: 21 Mar 2017 18:27

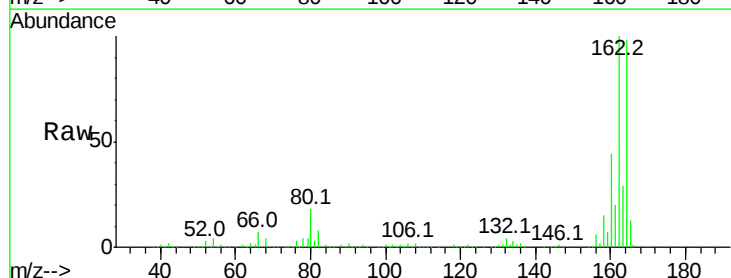
Tgt Ion:165 Resp: 52989

Ion Ratio Lower Upper

165 100

63 1.0 34.3 51.5#

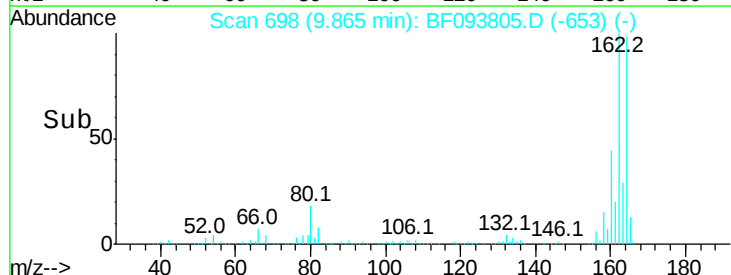
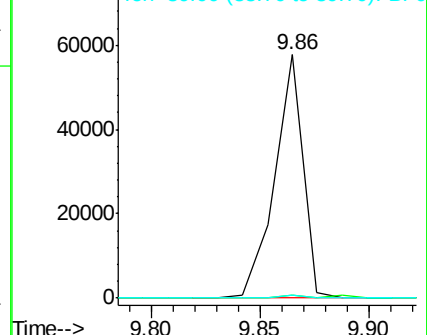
89 1.2 37.1 55.7#

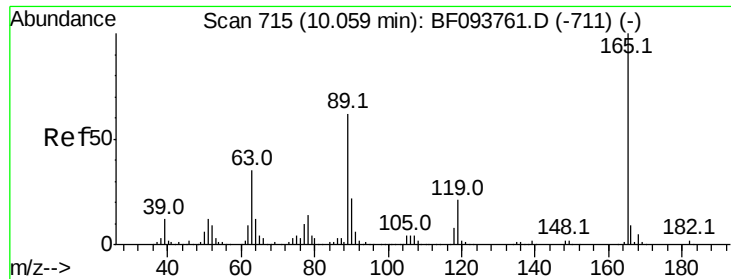


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.52 ng

RT: 9.86 min Scan# 698

Delta R.T. -0.18 min

Lab File: BF093805.D

Acq: 21 Mar 2017 18:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-002-B

Tot Ion:165 Resp: 52991

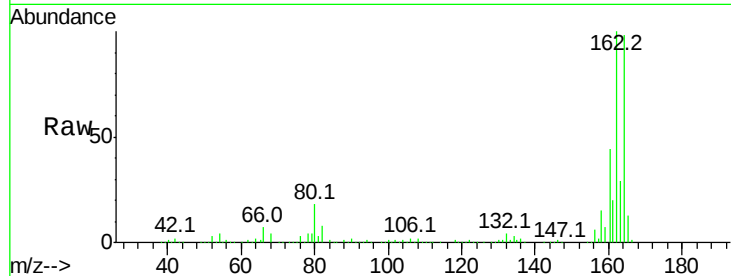
Ion Ratio Lower Upper

165 100

63 1.0 25.4 38.0#

89 1.2 46.4 69.6#

182 0.0 1.8 2.6#

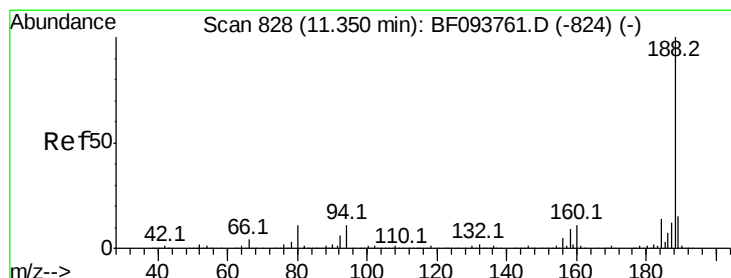
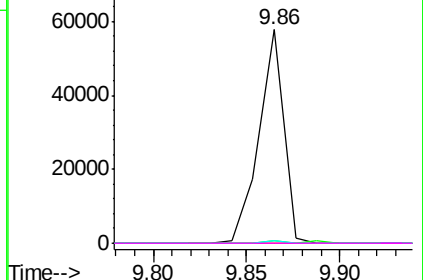
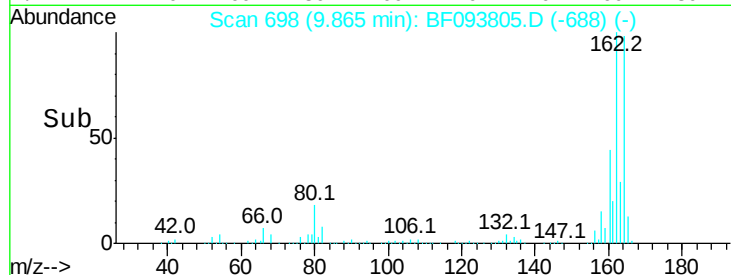


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 827

Delta R.T. -0.00 min

Lab File: BF093805.D

Acq: 21 Mar 2017 18:27

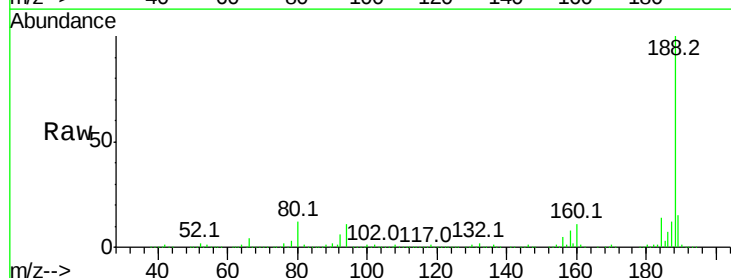
Tgt Ion:188 Resp: 653734

Ion Ratio Lower Upper

188 100

94 11.0 9.4 14.2

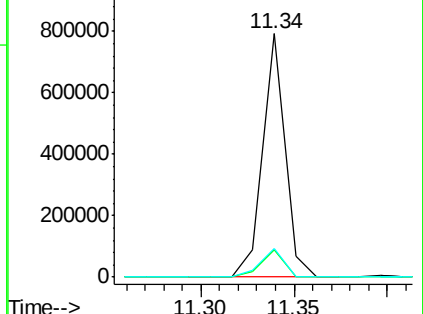
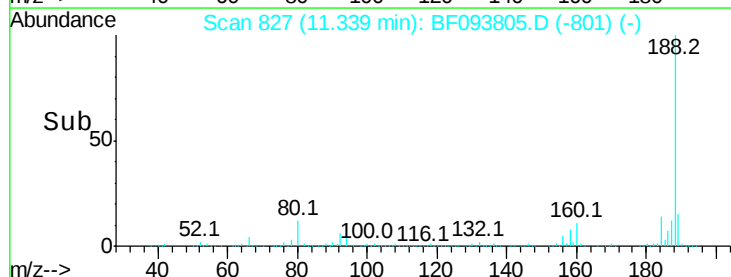
80 11.7 10.2 15.2

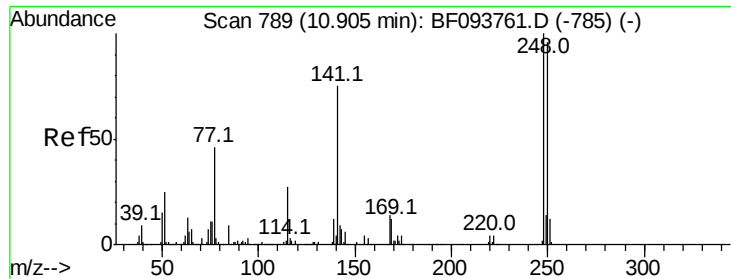


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

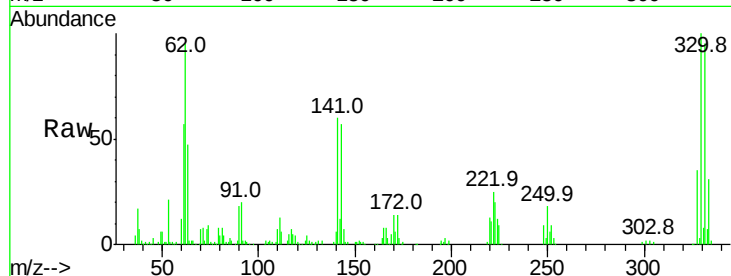




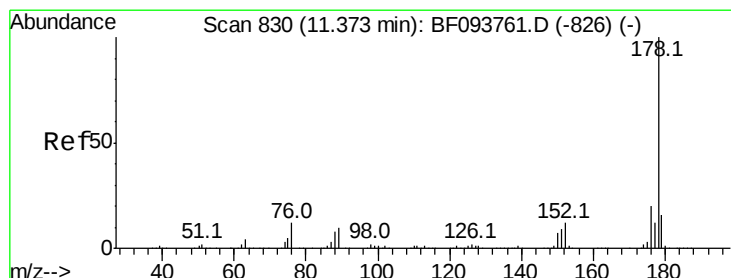
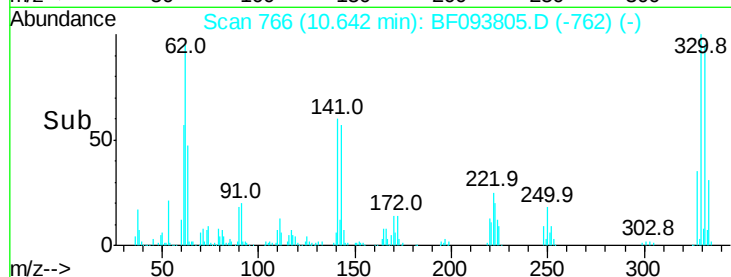
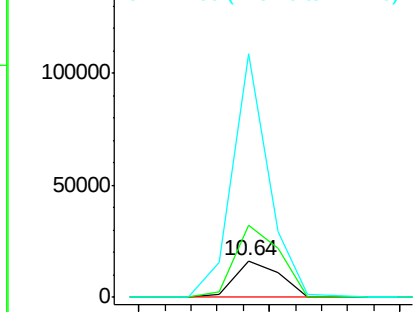
#66
4-Bromophenyl-phenylether
Concen: 3.13 ng
RT: 10.64 min Scan# 766
Delta R.T. -0.25 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-01-002-B

Tot Ion:248 Resp: 19696
Ion Ratio Lower Upper
248 100
250 197.7 76.8 115.2#
141 672.0 68.6 103.0#

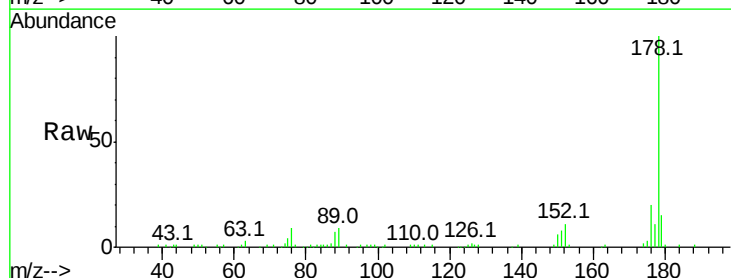


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

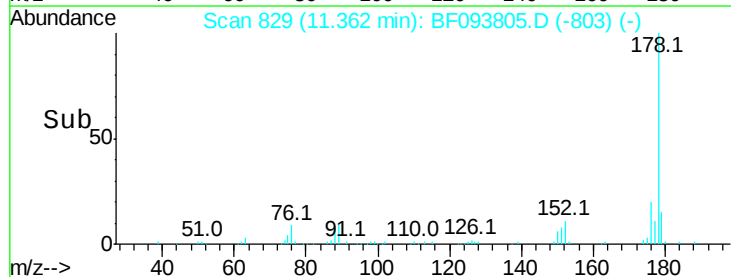
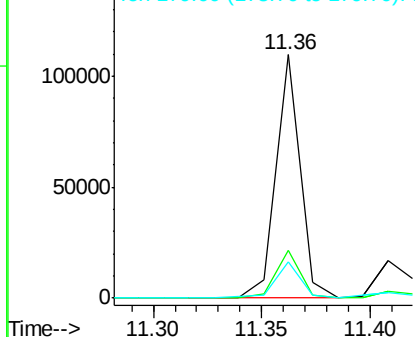


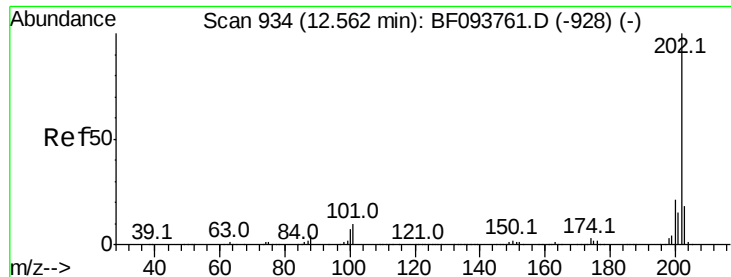
#70
Phenanthrene
Concen: 2.48 ng
RT: 11.36 min Scan# 829
Delta R.T. -0.00 min
Lab File: BF093805.D
Acq: 21 Mar 2017 18:27

Tgt Ion:178 Resp: 86475
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.4
179 14.7 12.6 19.0



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

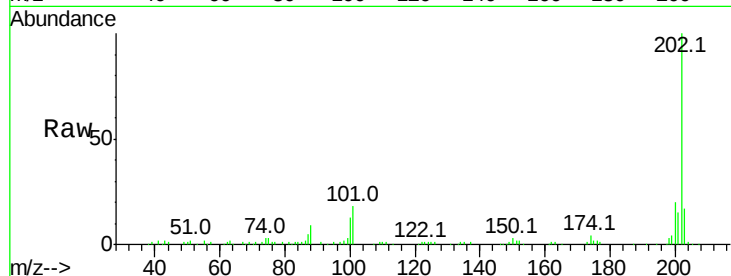




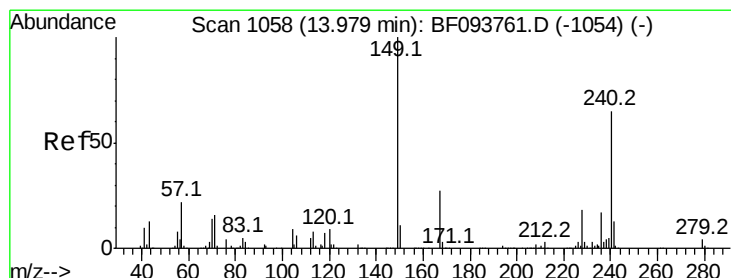
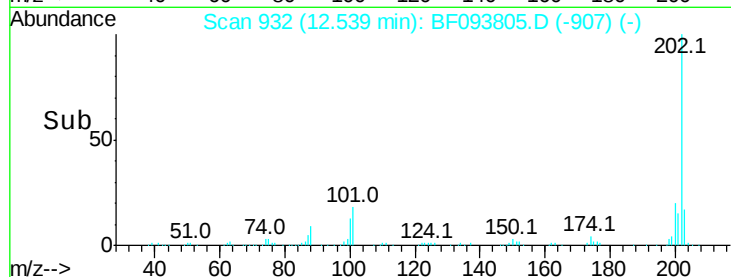
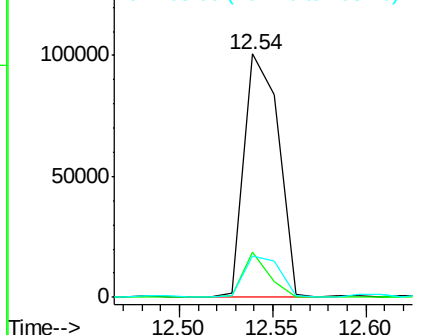
#74
Fluoranthene
 Concen: 3.62 ng
 RT: 12.54 min Scan# 932
 Delta R.T. -0.01 min
 Lab File: BF093805.D
 Acq: 21 Mar 2017 18:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-002-B

Tot Ion	Ratio	Lower	Upper
202	100		
101	18.5	0.0	33.2
203	16.8	0.0	38.1

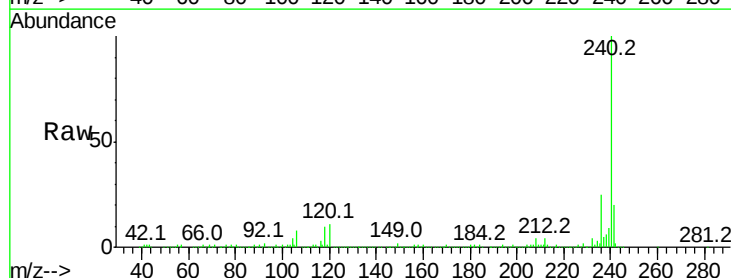


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

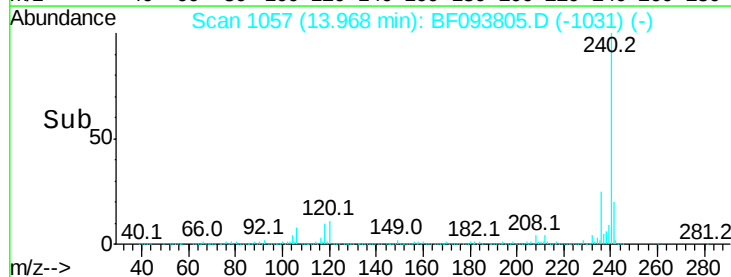
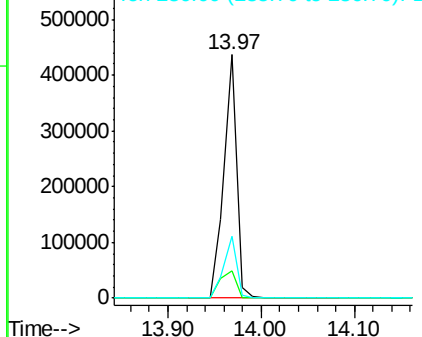


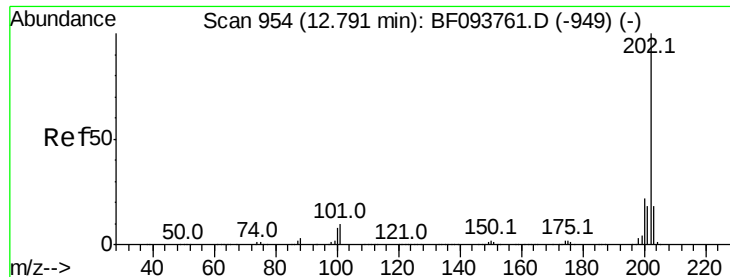
#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 13.97 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: BF093805.D
 Acq: 21 Mar 2017 18:27

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.4	5.8	8.8#
236	25.3	20.5	30.7



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

Pvrene

Concen: 3.36 ng

RT: 12.77 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF093805.D

Acq: 21 Mar 2017 18:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-002-B

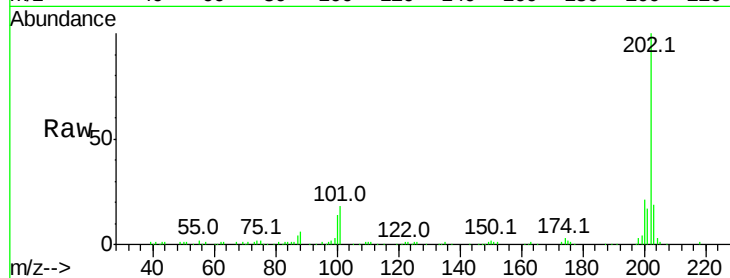
Tot Ion:202 Resp: 116420

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

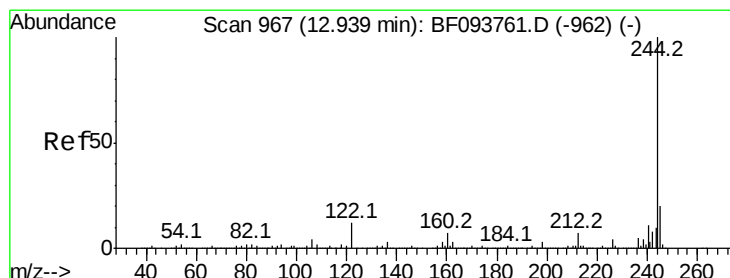
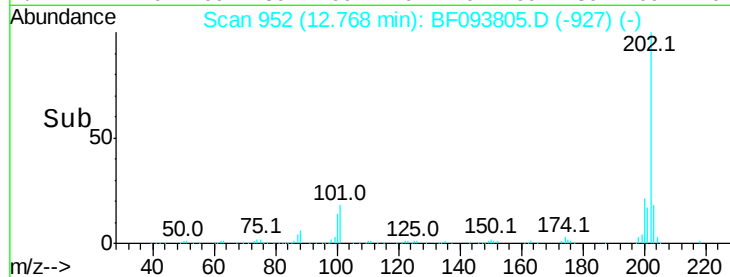
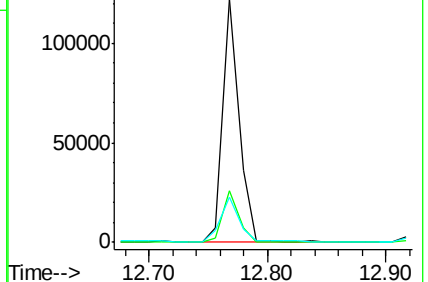
203 18.6 14.4 21.6



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: 56.28 ng

RT: 12.93 min Scan# 966

Delta R.T. -0.00 min

Lab File: BF093805.D

Acq: 21 Mar 2017 18:27

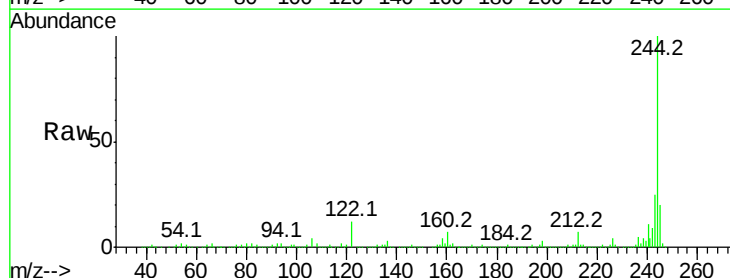
Tgt Ion:244 Resp: 1148555

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

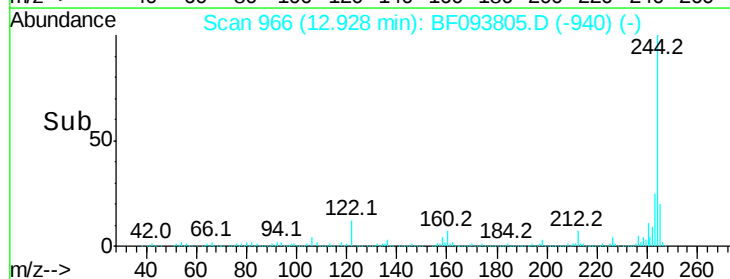
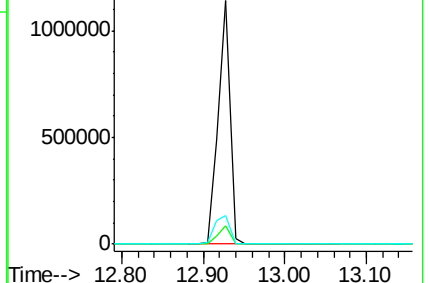
122 11.7 10.3 15.5

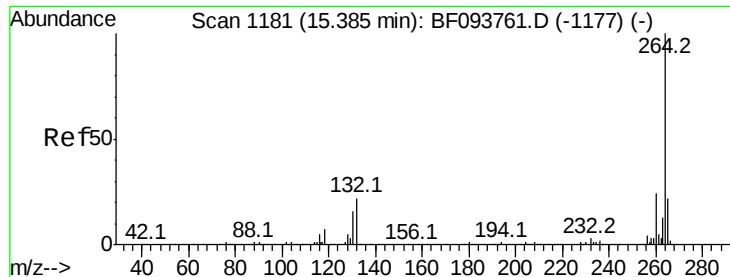


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

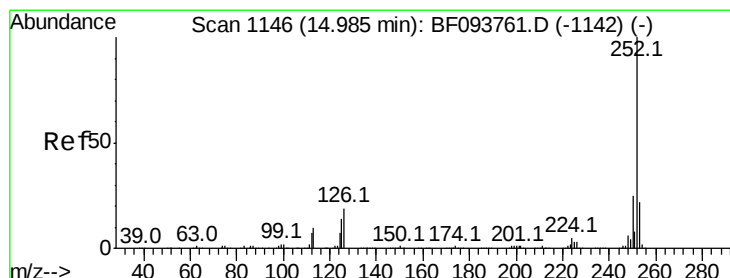
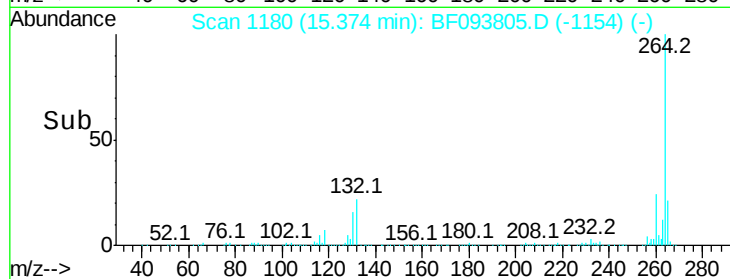
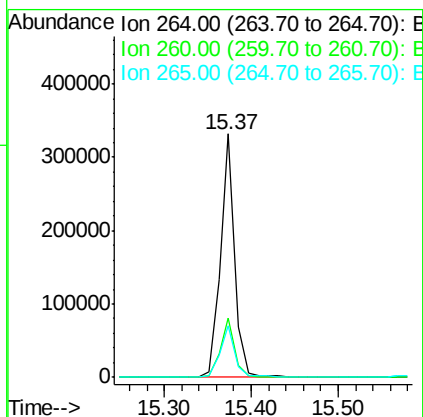
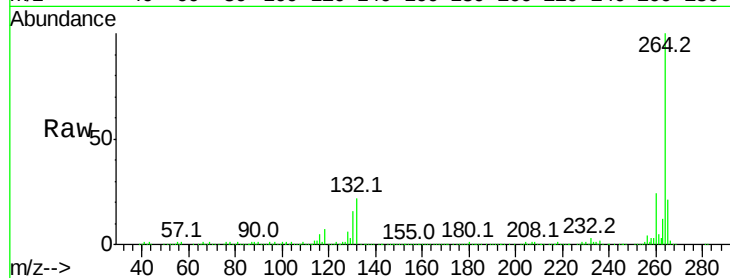




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: BF093805.D
 Acq: 21 Mar 2017 18:27

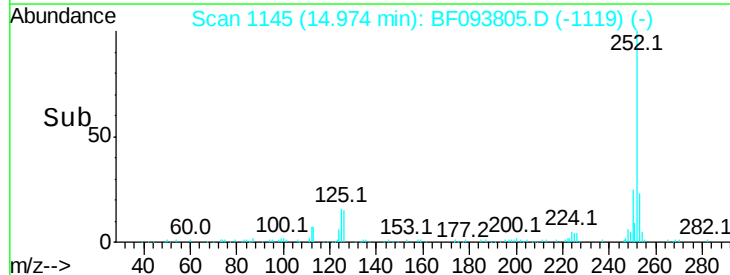
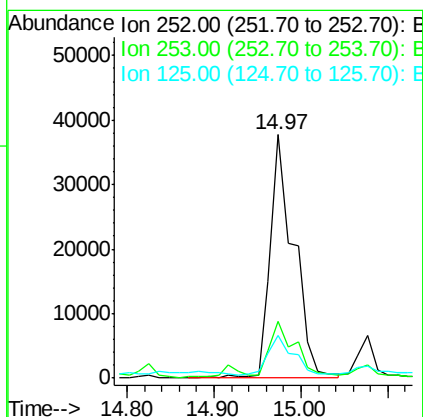
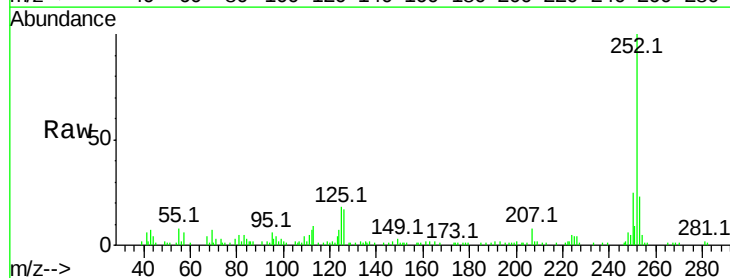
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-002-B

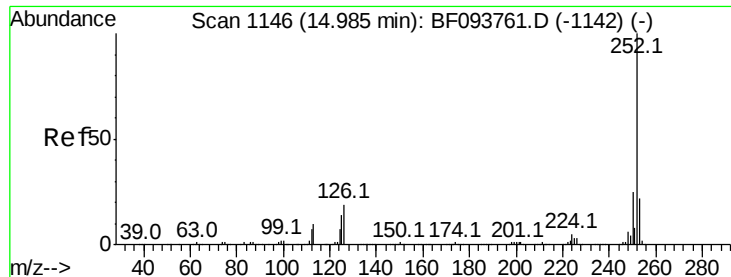
Tot Ion:264 Resp: 383488
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.5 29.3
 265 21.5 17.2 25.8



#87
 Benzo(b)fluoranthene
 Concen: 2.77 ng
 RT: 14.97 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: BF093805.D
 Acq: 21 Mar 2017 18:27

Tgt Ion:252 Resp: 71532
 Ion Ratio Lower Upper
 252 100
 253 23.4 18.1 27.1
 125 17.5 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 3.75 ng

RT: 14.97 min Scan# 1145

Delta R.T. -0.03 min

Lab File: BF093805.D

Acq: 21 Mar 2017 18:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-002-B

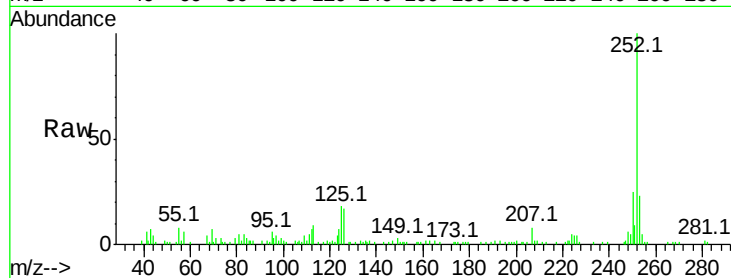
Tot Ion:252 Resp: 71532

Ion Ratio Lower Upper

252 100

253 23.4 18.4 27.6

125 17.5 13.1 19.7



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

