

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030217\
 Data File : BF093347.D
 Acq On : 3 Mar 2017 3:24
 Operator : SJ/MA
 Sample : I2033-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-002-B

Quant Time: Mar 03 03:53:40 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 03 00:22:20 2017
 Response via : Initial Calibration

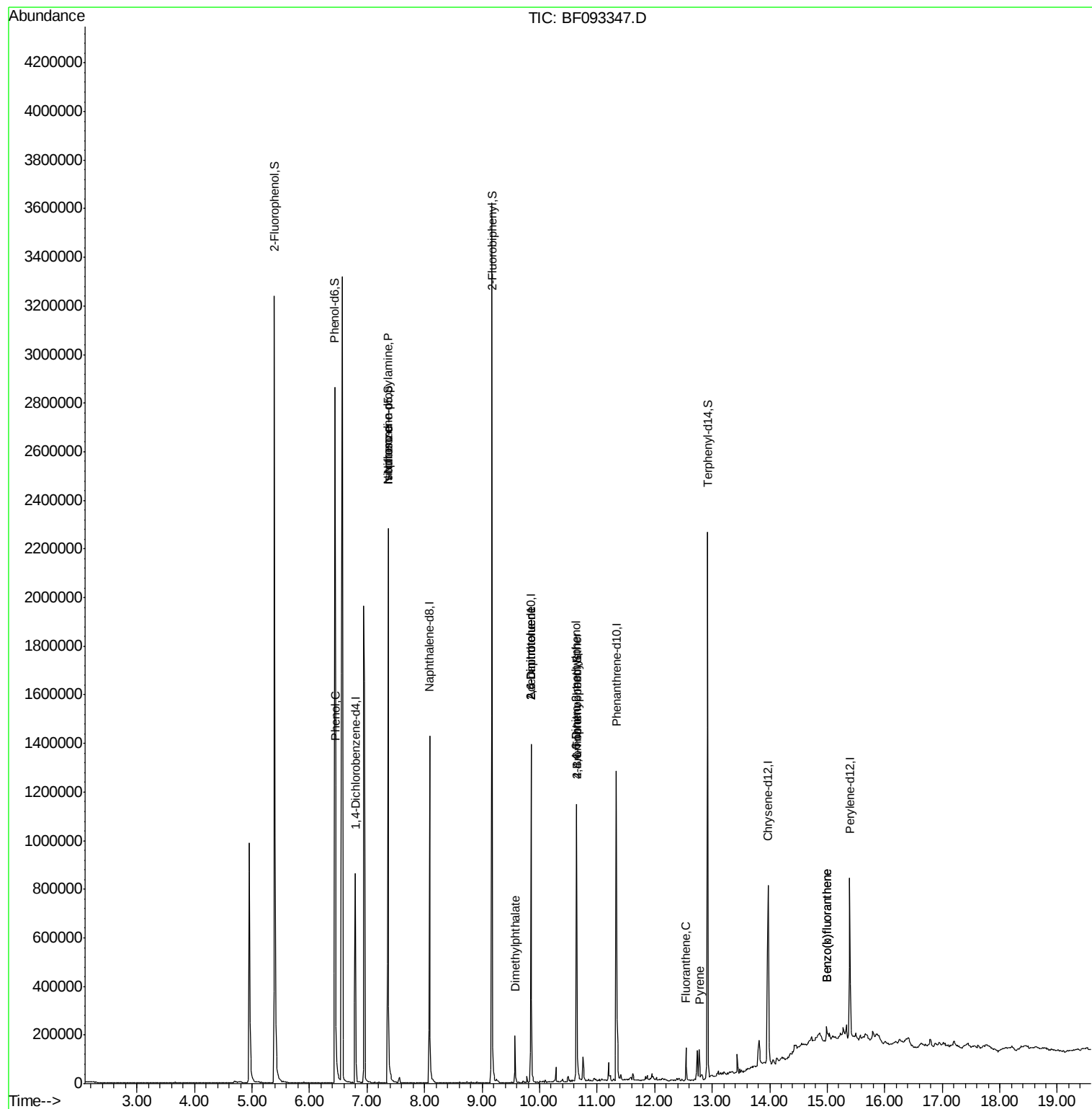
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	150303	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	649330	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	278847	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	450556	20.00	ng	-0.01
75) Chrysene-d12	13.97	240	301473	20.00	ng	-0.01
86) Perylene-d12	15.39	264	301707	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	983439	112.25	ng	0.00
7) Phenol-d6	6.44	99	1145573	101.63	ng	-0.01
23) Nitrobenzene-d5	7.37	82	772213	66.23	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	197239	97.80	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1287280	83.63	ng	0.00
78) Terphenyl-d14	12.92	244	860888	67.10	ng	0.00
Target Compounds						
10) Phenol	6.45	94	79266	6.01	ng	Qvalue 93
19) n-Nitroso-di-n-propylamine	7.37	70	101793	14.19	ng	# 81
25) Isophorone	7.37	82	652562	30.03	ng	# 65
49) Dimethylphthalate	9.57	163	87187	4.64	ng	99
50) 2,6-Dinitrotoluene	9.85	165	35309	8.70	ng	# 31
56) 2,4-Dinitrotoluene	9.85	165	35304	6.54	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.64	198	544	2.86	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	14074	2.99	ng	# 1
74) Fluoranthene	12.54	202	59296	2.23	ng	96
77) Pyrene	12.77	202	55744	2.47	ng	99
87) Benzo(b)fluoranthene	14.99	252	41335	2.08	ng	# 93
88) Benzo(k)fluoranthene	14.99	252	41335	2.41	ng	# 93

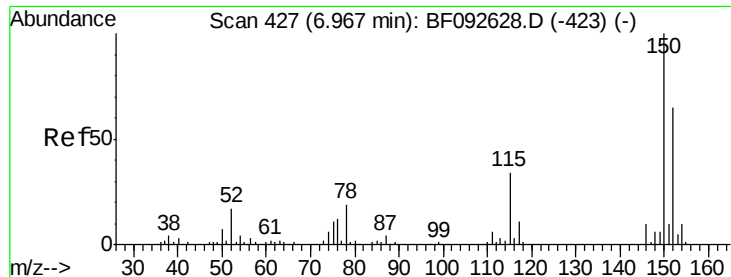
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.00 min

Lab File: BF093347.D

Acq: 3 Mar 2017 3:24

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-002-B

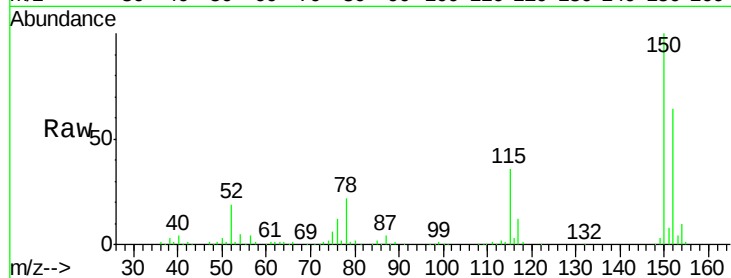
Tgt Ion:152 Resp: 150303

Ion Ratio Lower Upper

152 100

150 157.2 124.9 187.3

115 56.2 46.0 69.0



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

600000

500000

400000

300000

200000

100000

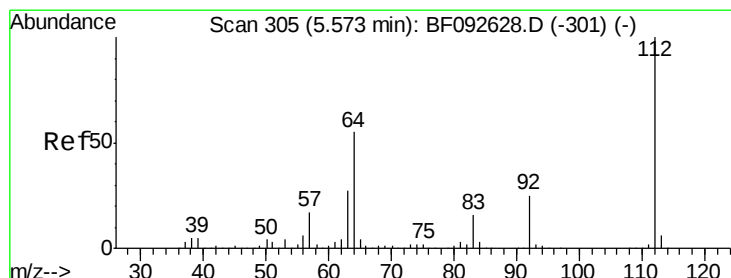
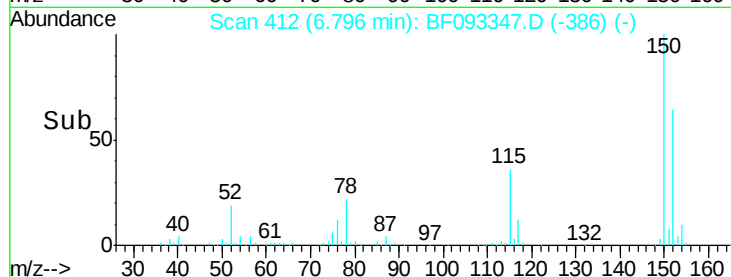
0

6.70

6.80

6.90

Time-->



#5

2-Fluorophenol

Concen: 112.25 ng

RT: 5.39 min Scan# 289

Delta R.T. -0.00 min

Lab File: BF093347.D

Acq: 3 Mar 2017 3:24

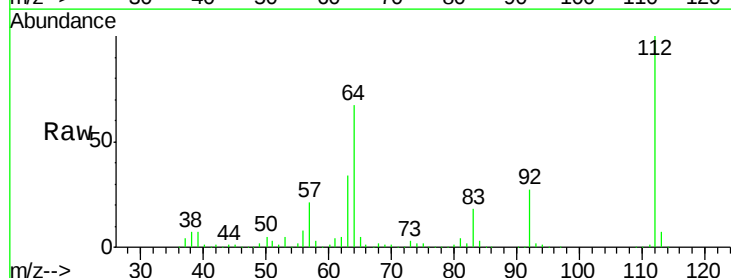
Tgt Ion:112 Resp: 983439

Ion Ratio Lower Upper

112 100

64 67.2 46.1 69.1

63 33.9 23.8 35.6



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

1200000

1000000

800000

600000

400000

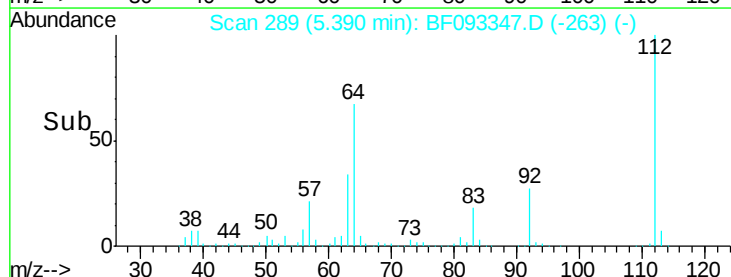
200000

0

5.40

5.60

Time-->





#7

Phenol-d6

Concen: 101.63 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF093347.D

Acq: 3 Mar 2017 3:24

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-002-B

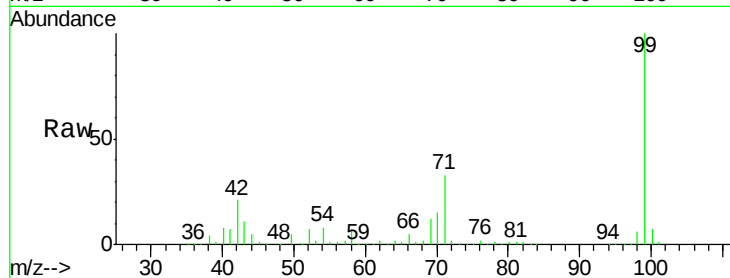
Tgt Ion: 99 Resp: 1145573

Ion Ratio Lower Upper

99 100

42 20.7 15.6 23.4

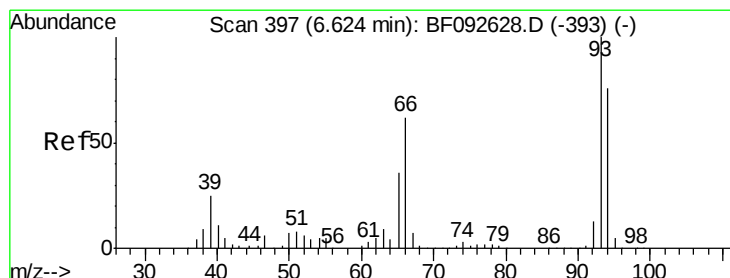
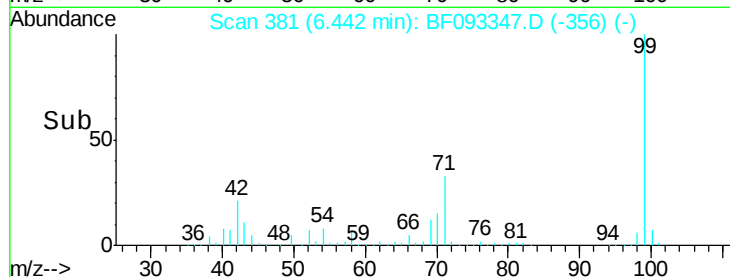
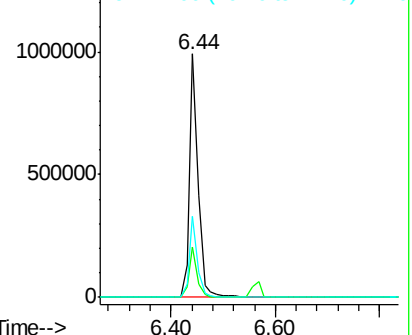
71 33.3 27.5 41.3



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: 6.01 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.01 min

Lab File: BF093347.D

Acq: 3 Mar 2017 3:24

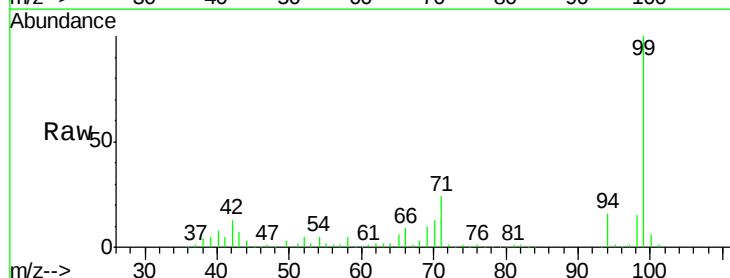
Tgt Ion: 94 Resp: 79266

Ion Ratio Lower Upper

94 100

65 36.6 21.4 61.4

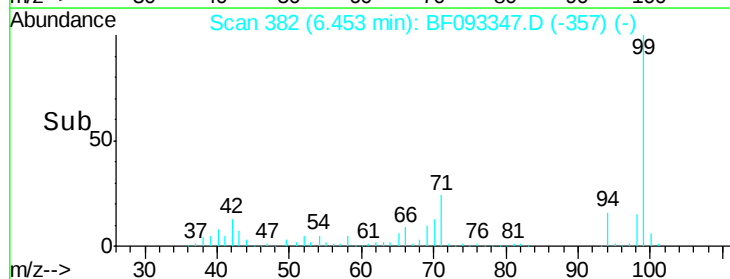
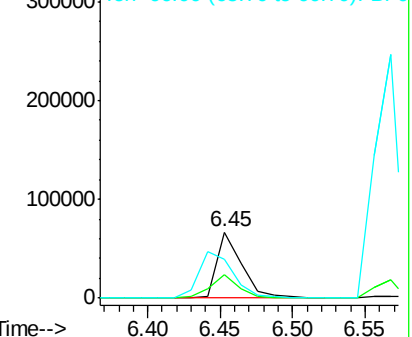
66 58.6 44.0 84.0



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

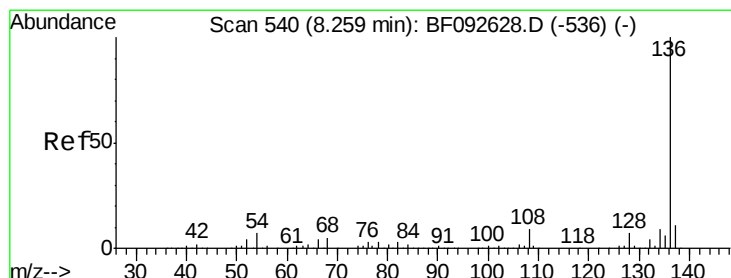
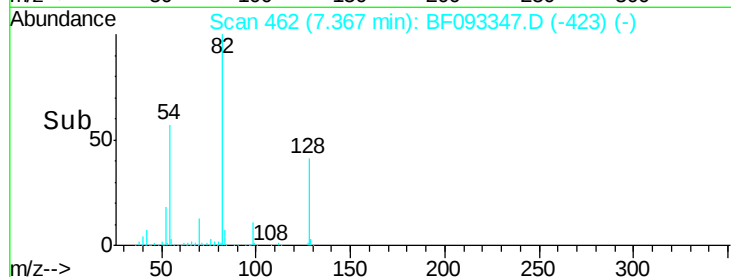
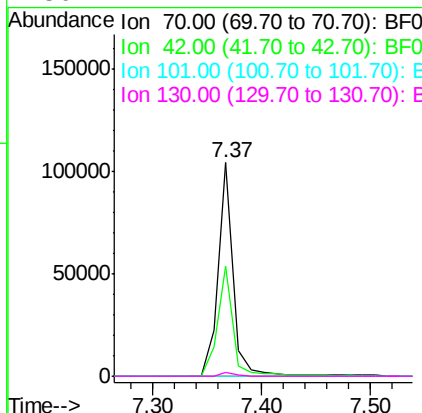
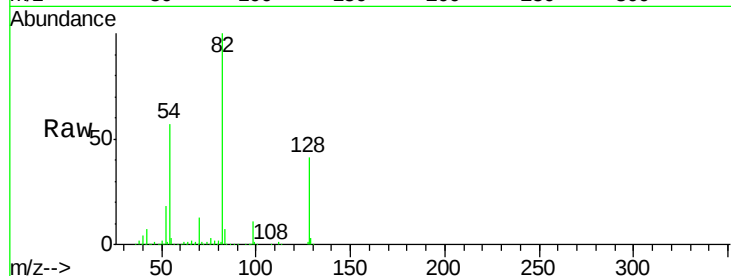




#19
n-Nitroso-di-n-propylamine
Concen: 14.19 ng
RT: 7.37 min Scan# 462
Delta R.T. 0.15 min
Lab File: BF093347.D
Acq: 3 Mar 2017 3:24

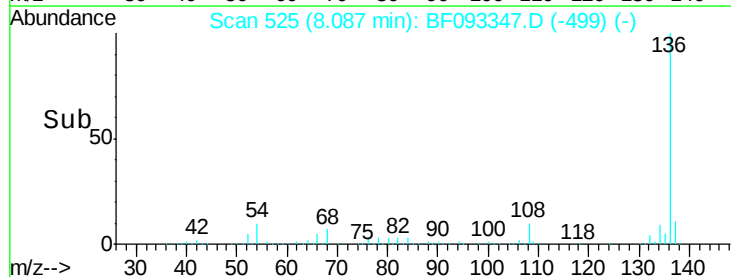
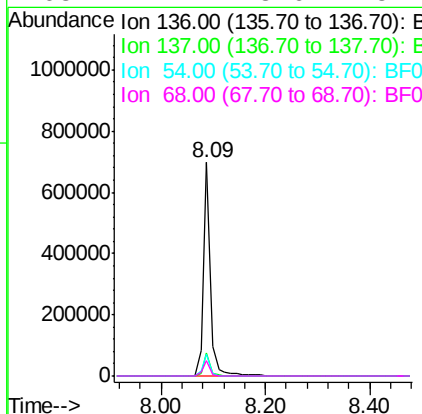
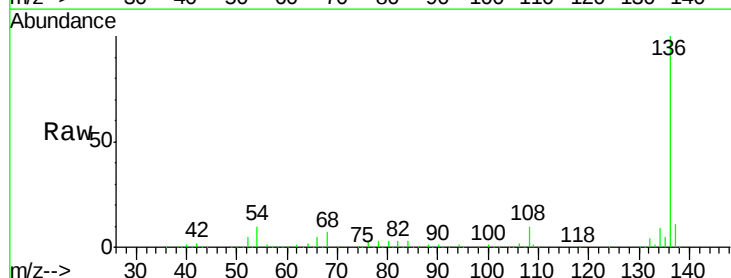
Instrument :
BNA_F
ClientSampleId :
FK-GF-03-002-B

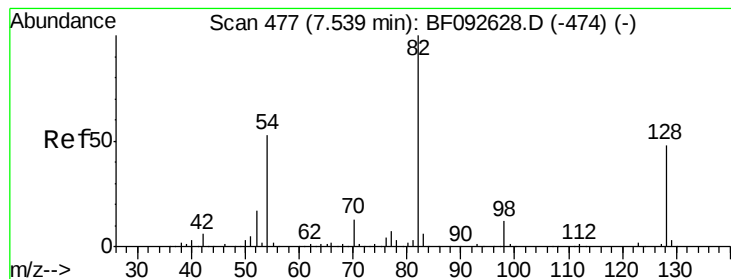
Tgt Ion: 70 Resp: 101793
Ion Ratio Lower Upper
70 100
42 51.8 49.4 74.0
101 0.0 7.4 11.2#
130 1.7 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.00 min
Lab File: BF093347.D
Acq: 3 Mar 2017 3:24

Tgt Ion: 136 Resp: 649330
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 10.0 4.5 6.7#
68 7.1 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 66.23 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.01 min

Lab File: BF093347.D

Acq: 3 Mar 2017 3:24

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-002-B

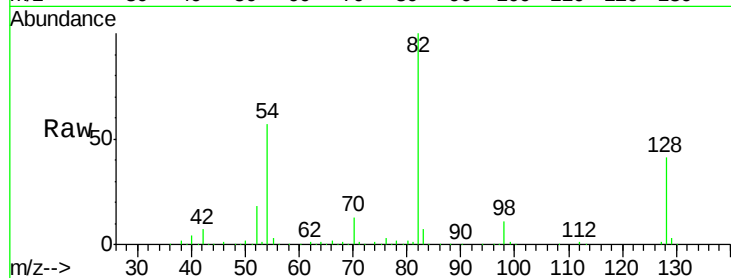
Tgt Ion: 82 Resp: 772213

Ion Ratio Lower Upper

82 100

128 41.3 34.6 52.0

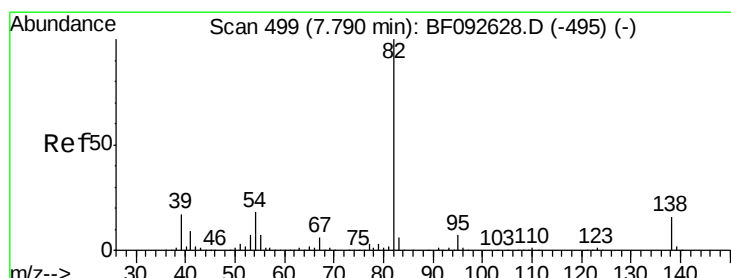
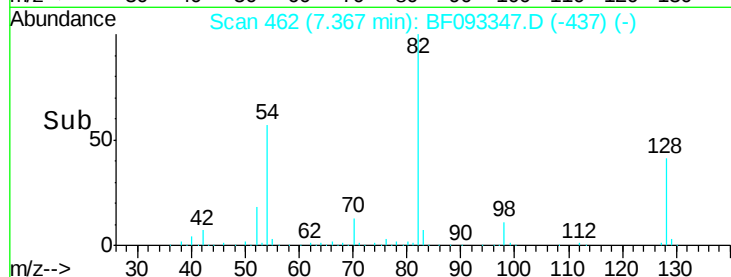
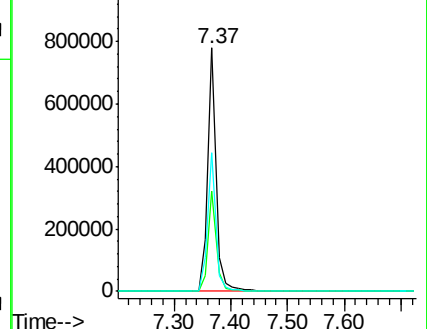
54 57.0 39.5 59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 30.03 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.26 min

Lab File: BF093347.D

Acq: 3 Mar 2017 3:24

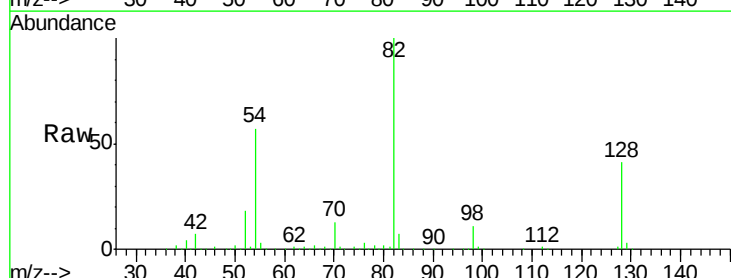
Tgt Ion: 82 Resp: 652562

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

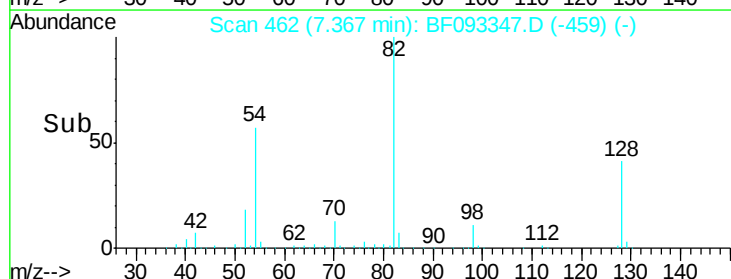
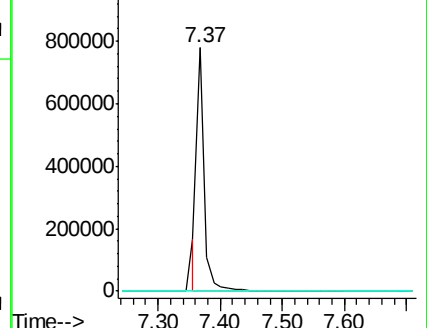
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.01 min

Lab File: BF093347.D

Acq: 3 Mar 2017 3:24

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-002-B

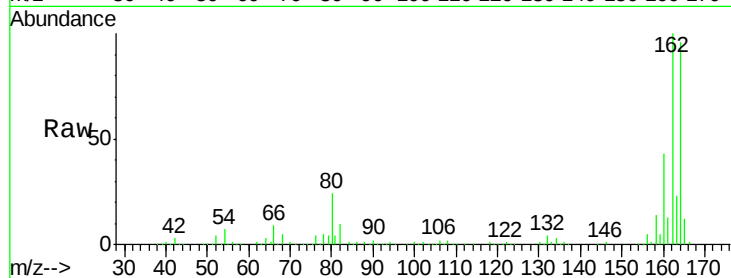
Tgt Ion:164 Resp: 278847

Ion Ratio Lower Upper

164 100

162 104.1 80.2 120.2

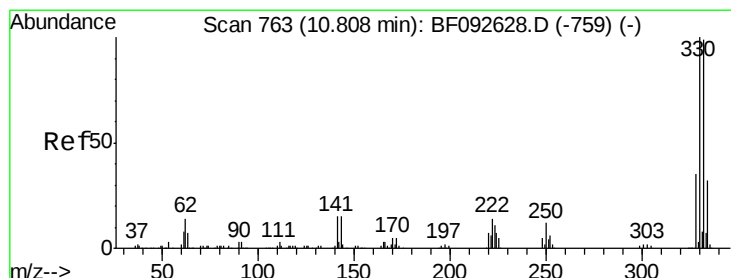
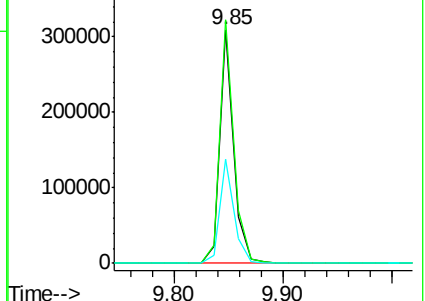
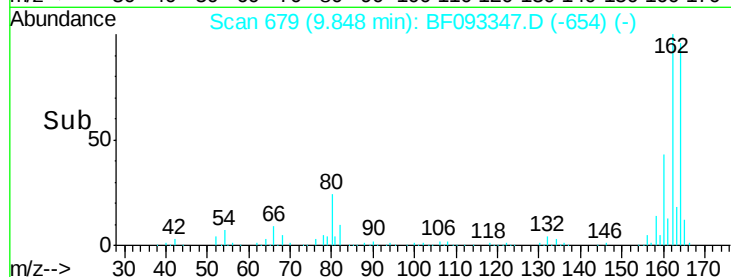
160 44.8 36.9 55.3



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: 97.80 ng

RT: 10.65 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF093347.D

Acq: 3 Mar 2017 3:24

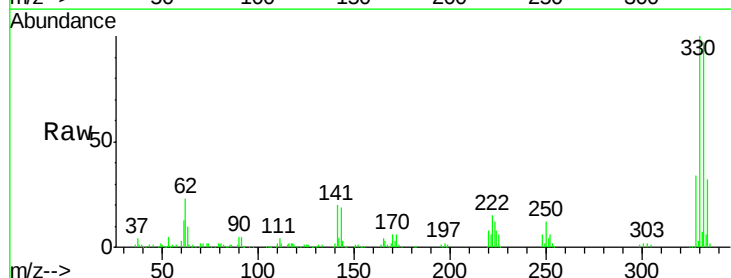
Tgt Ion:330 Resp: 197239

Ion Ratio Lower Upper

330 100

332 97.0 77.4 116.2

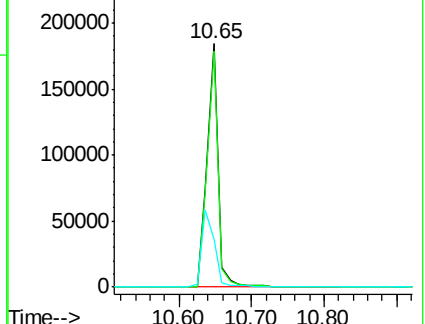
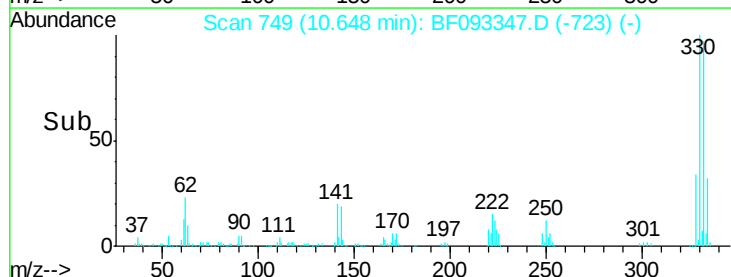
141 36.2 34.1 51.1



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

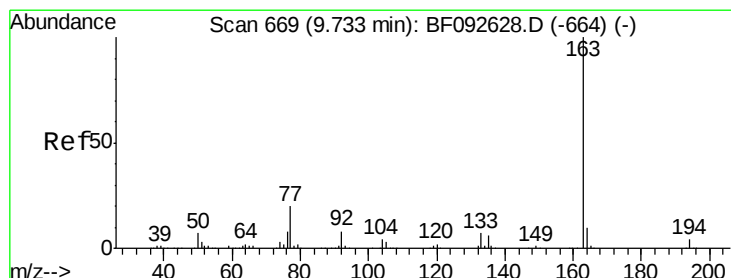
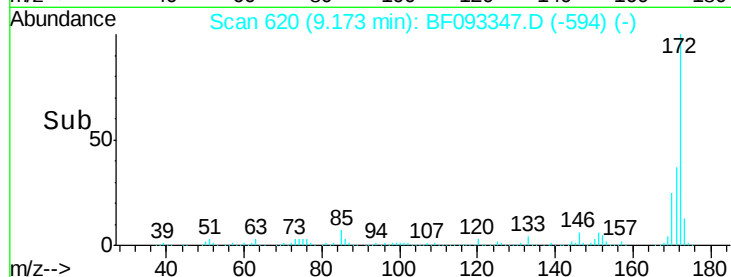
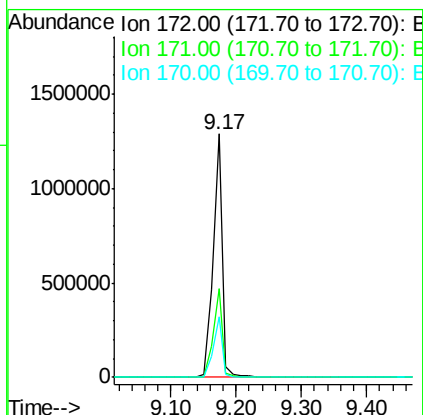
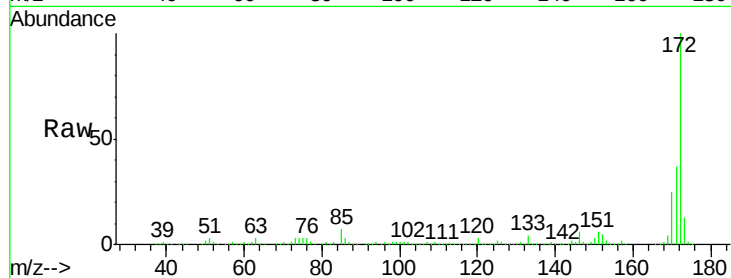




#44
 2-Fluorobiphenyl
 Concen: 83.63 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: BF093347.D
 Acq: 3 Mar 2017 3:24

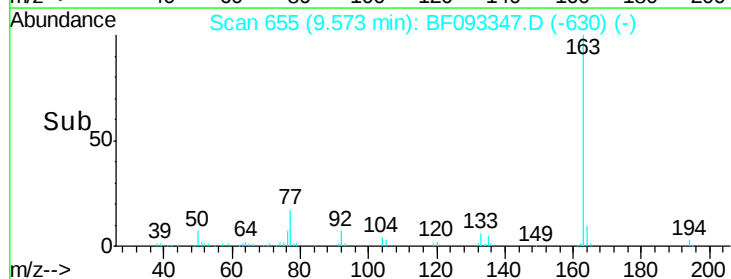
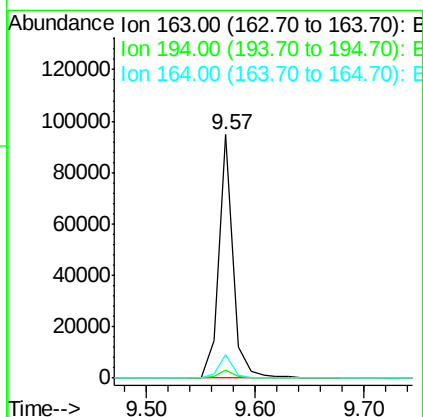
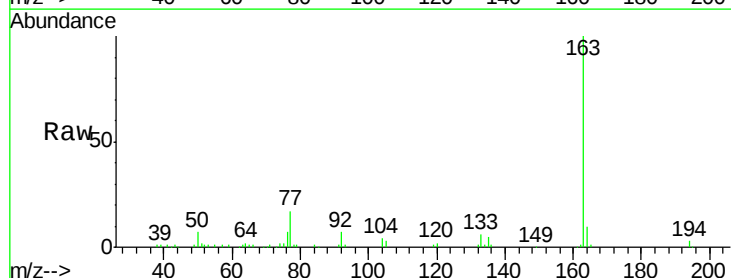
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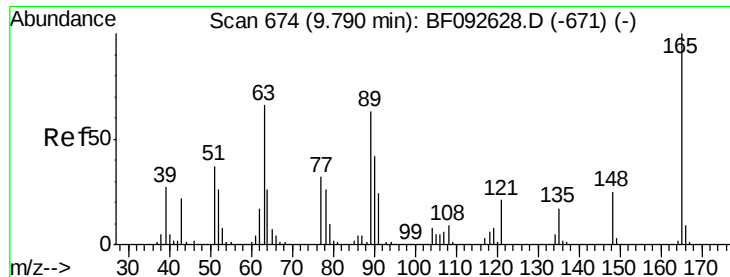
Tgt Ion:172 Resp: 1287280
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.7 20.2 30.4



#49
 Dimethylphthalate
 Concen: 4.64 ng
 RT: 9.57 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: BF093347.D
 Acq: 3 Mar 2017 3:24

Tgt Ion:163 Resp: 87187
 Ion Ratio Lower Upper
 163 100
 194 3.4 3.0 4.4
 164 9.6 8.0 12.0

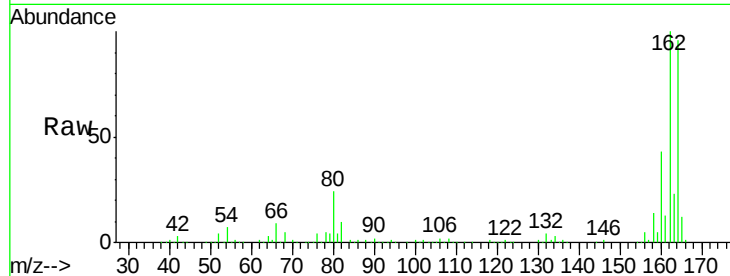




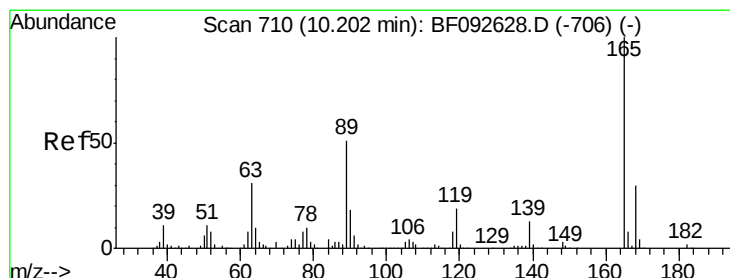
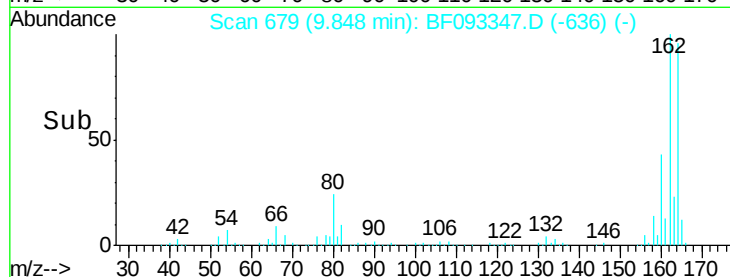
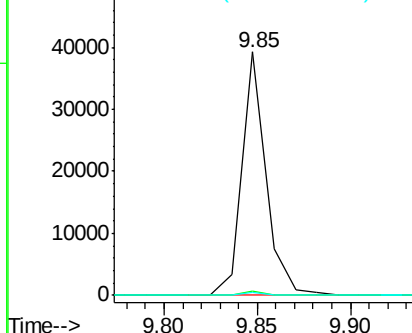
#50
 2,6-Dinitrotoluene
 Concen: 8.70 ng
 RT: 9.85 min Scan# 679
 Delta R.T. 0.19 min
 Lab File: BF093347.D
 Acq: 3 Mar 2017 3:24

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-002-B

Tgt Ion:165 Resp: 35309
 Ion Ratio Lower Upper
 165 100
 63 1.6 36.2 54.4#
 89 1.2 40.2 60.4#

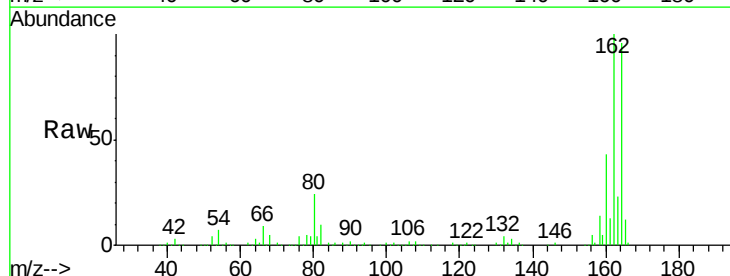


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

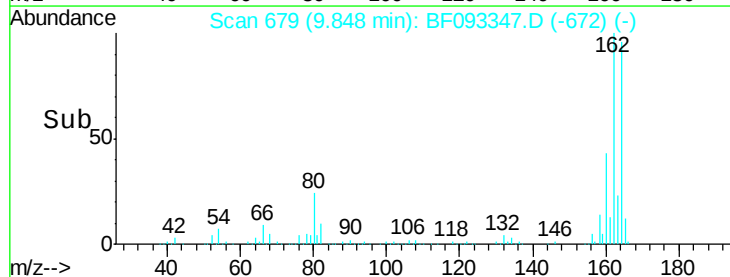
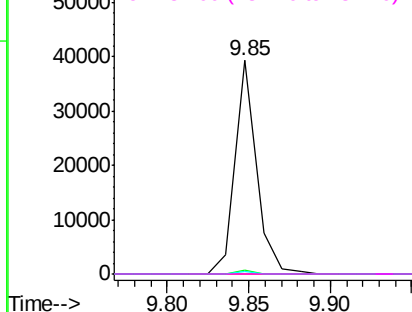


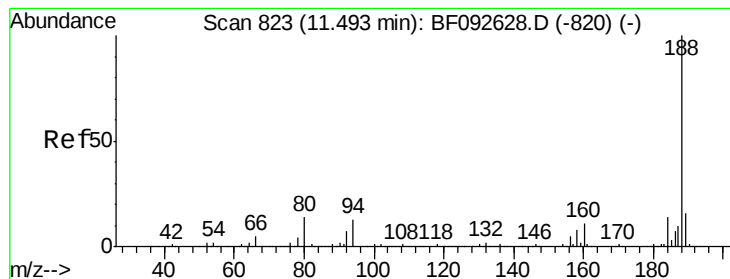
#56
 2,4-Dinitrotoluene
 Concen: 6.54 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.22 min
 Lab File: BF093347.D
 Acq: 3 Mar 2017 3:24

Tgt Ion:165 Resp: 35304
 Ion Ratio Lower Upper
 165 100
 63 1.6 40.2 60.4#
 89 1.2 62.5 93.7#
 182 0.0 1.8 2.8#



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: 11.33 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF093347.D

Acq: 3 Mar 2017 3:24

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-002-B

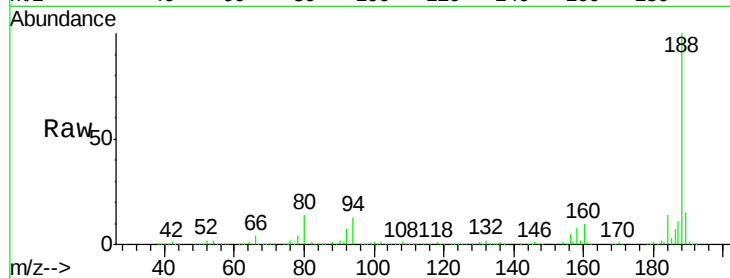
Tgt Ion:188 Resp: 450556

Ion Ratio Lower Upper

188 100

94 12.6 10.0 15.0

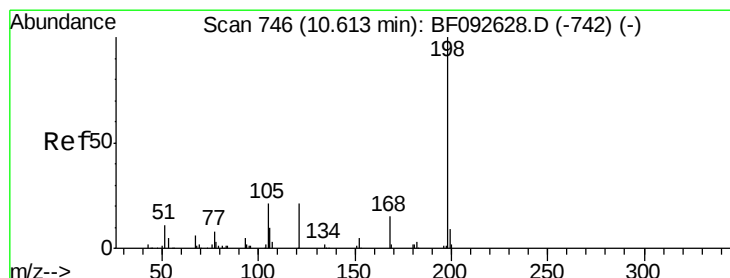
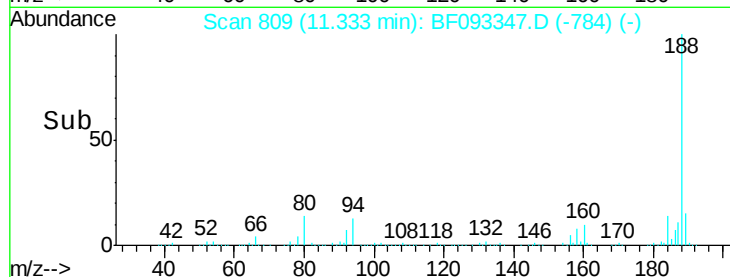
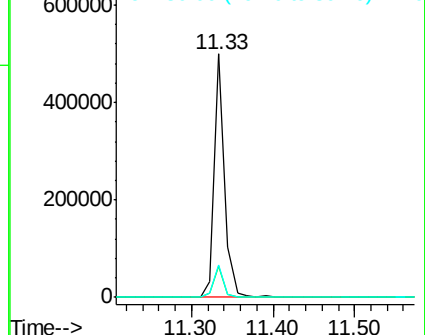
80 13.5 11.2 16.8



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



#64

4,6-Dinitro-2-methylphenol

Concen: 2.86 ng

RT: 10.64 min Scan# 748

Delta R.T. 0.16 min

Lab File: BF093347.D

Acq: 3 Mar 2017 3:24

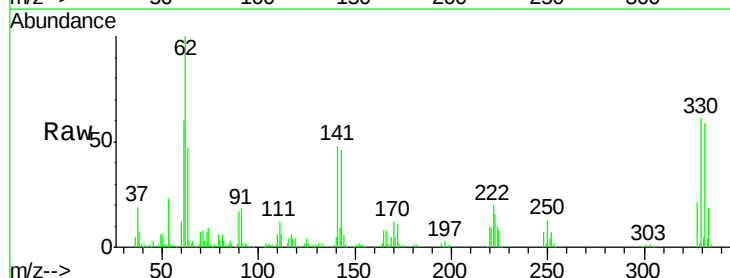
Tgt Ion:198 Resp: 544

Ion Ratio Lower Upper

198 100

51 311.1 6.7 46.7#

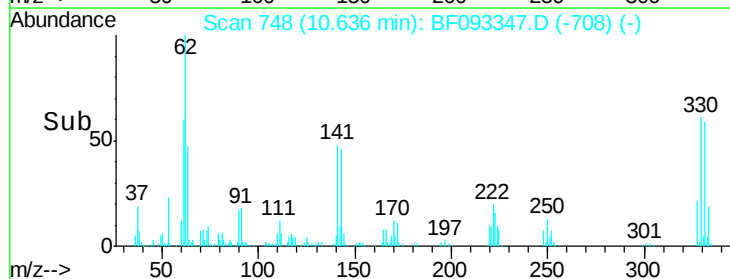
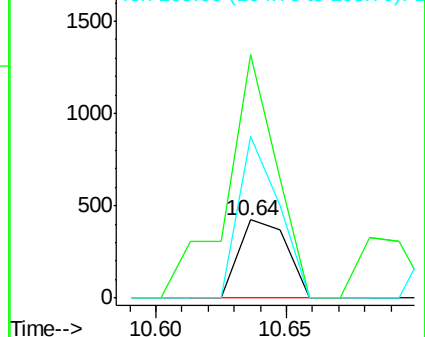
105 205.9 16.6 56.6#

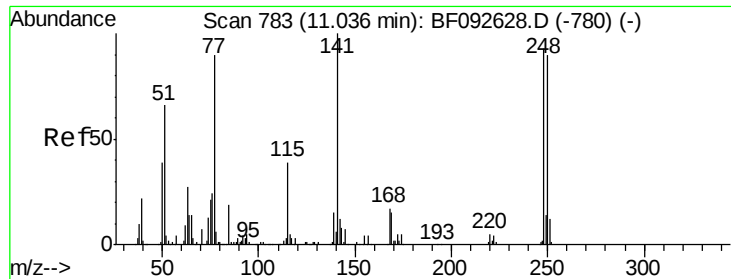


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

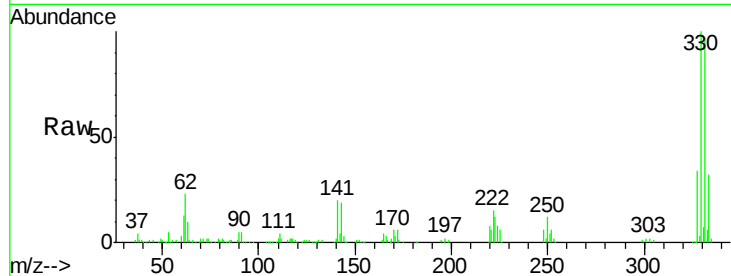




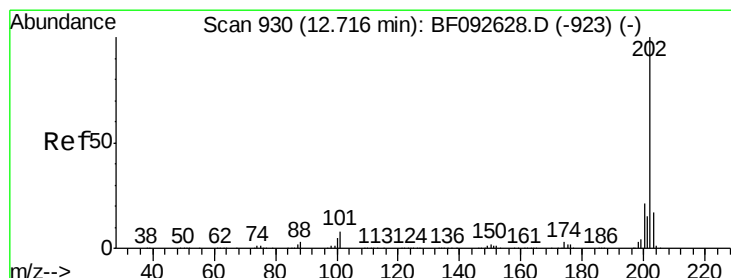
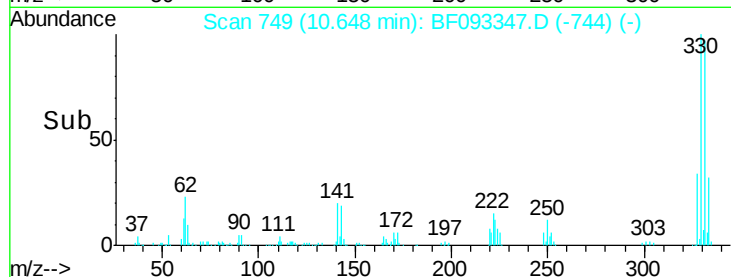
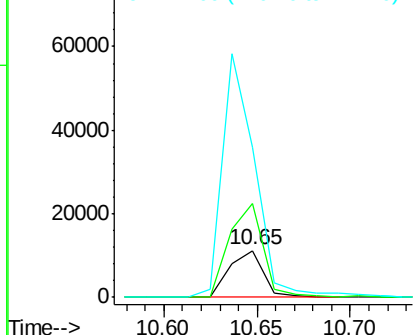
#66
4-Bromophenyl-phenylether
Concen: 2.99 ng
RT: 10.65 min Scan# 749
Delta R.T. -0.24 min
Lab File: BF093347.D
Acq: 3 Mar 2017 3:24

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-002-B

Tgt Ion:248 Resp: 14074
Ion Ratio Lower Upper
248 100
250 200.0 76.9 115.3#
141 321.0 68.2 102.4#

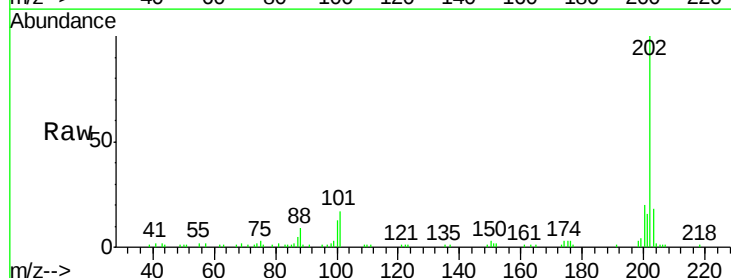


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

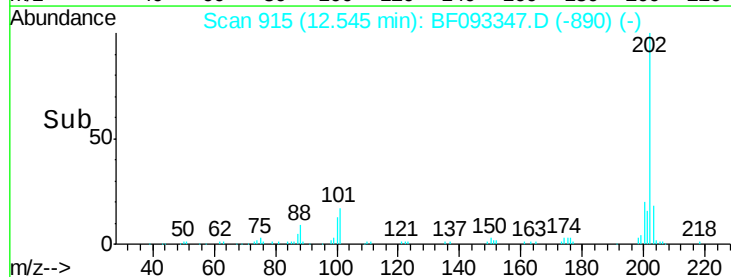
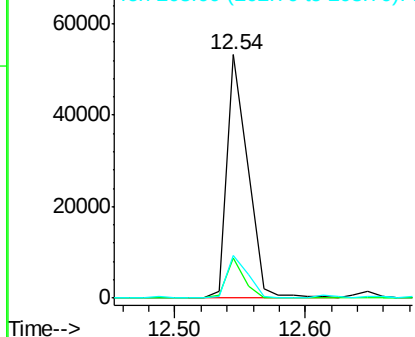


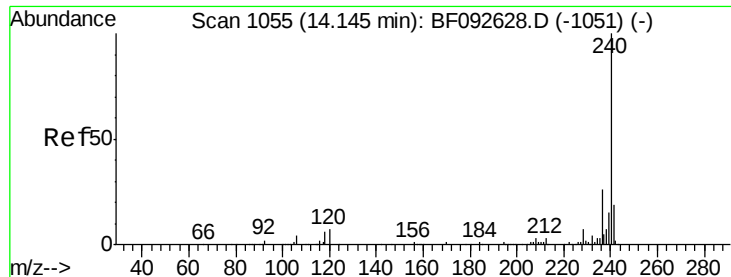
#74
Fluoranthene
Concen: 2.23 ng
RT: 12.54 min Scan# 915
Delta R.T. -0.01 min
Lab File: BF093347.D
Acq: 3 Mar 2017 3:24

Tgt Ion:202 Resp: 59296
Ion Ratio Lower Upper
202 100
101 16.7 0.0 34.6
203 17.6 0.0 38.7



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# 1040

Delta R.T. -0.01 min

Lab File: BF093347.D

Acq: 3 Mar 2017 3:24

Instrument :

BNA_F

ClientSampleId :

FK-GF-03-002-B

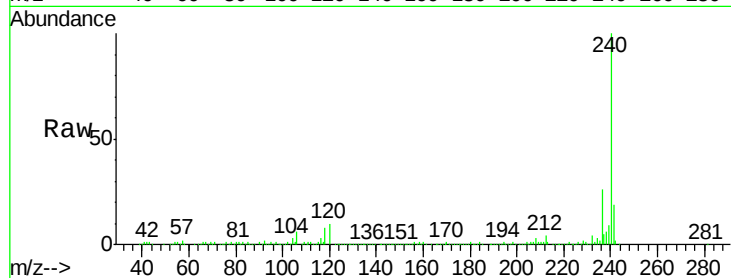
Tgt Ion:240 Resp: 301473

Ion Ratio Lower Upper

240 100

120 9.7 12.9 19.3#

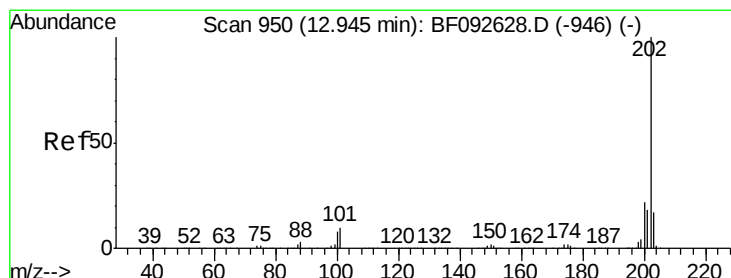
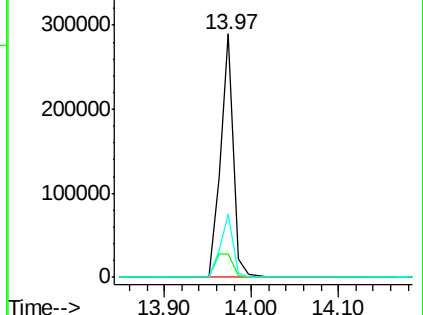
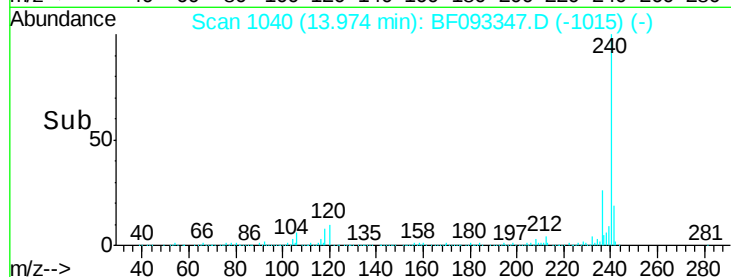
236 25.7 20.9 31.3



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: 2.47 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF093347.D

Acq: 3 Mar 2017 3:24

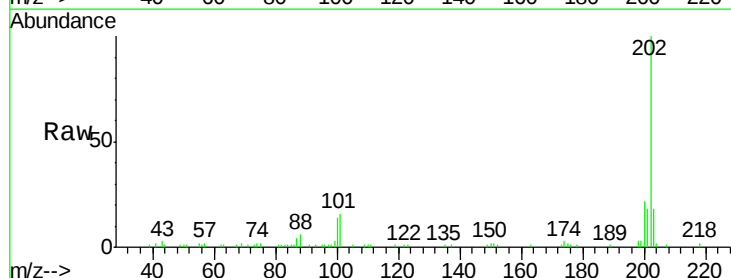
Tgt Ion:202 Resp: 55744

Ion Ratio Lower Upper

202 100

200 21.5 17.7 26.5

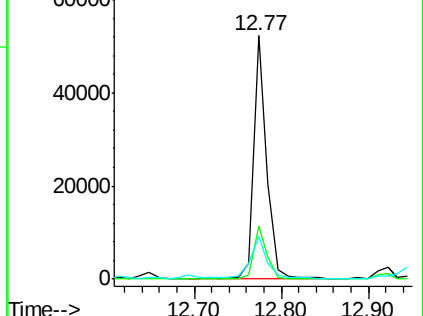
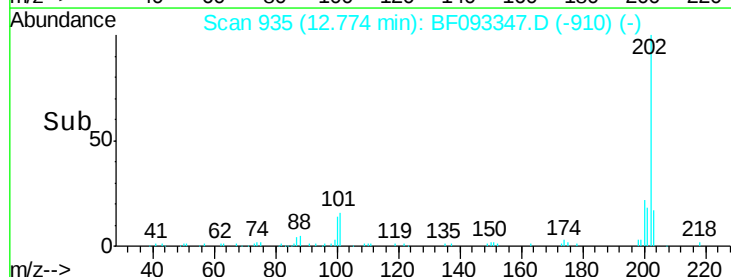
203 17.7 14.7 22.1

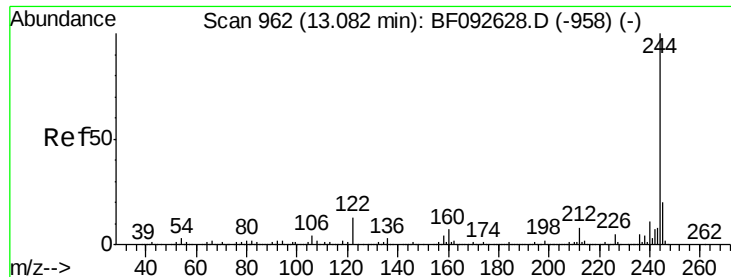


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

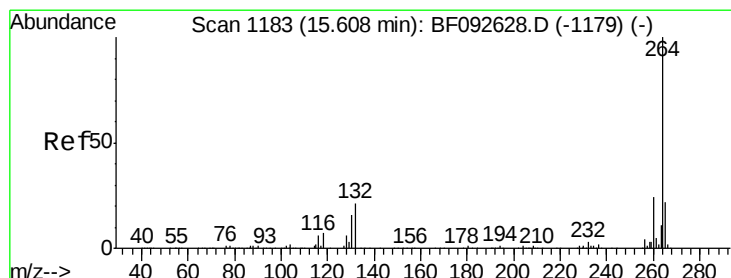
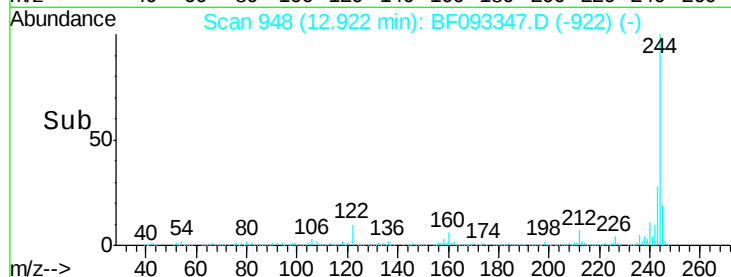
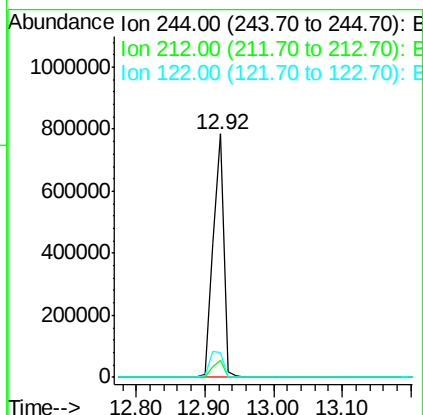
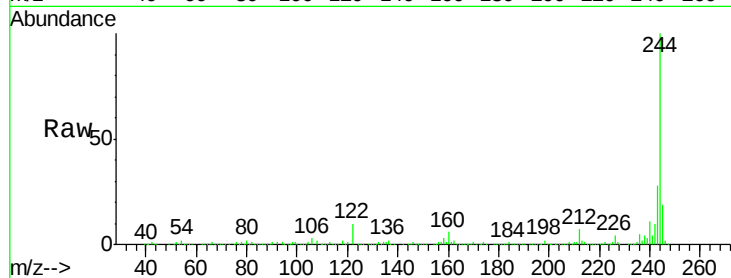




#78
 Terphenyl-d14
 Concen: 67.10 ng
 RT: 12.92 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: BF093347.D
 Acq: 3 Mar 2017 3:24

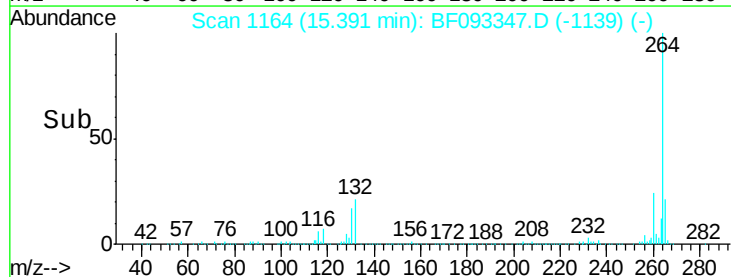
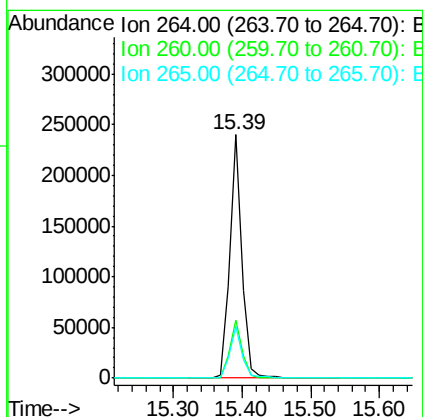
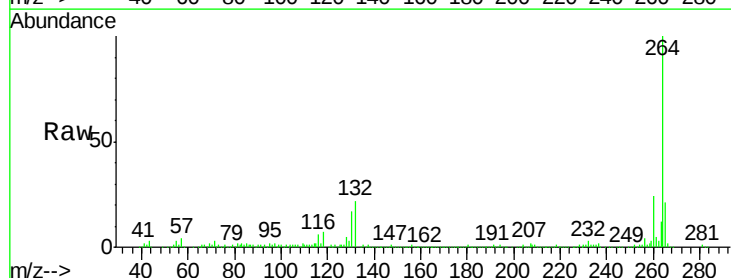
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-03-002-B

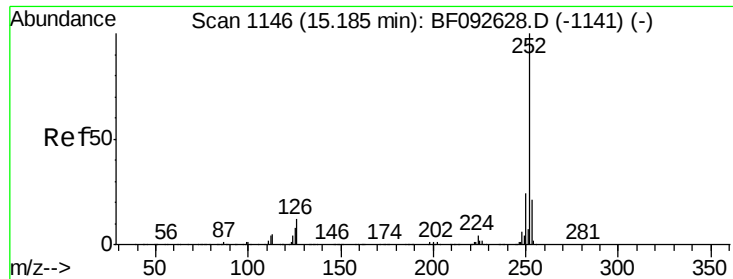
Tgt Ion: 244 Resp: 860888
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.2 9.2
 122 9.9 11.4 17.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.39 min Scan# 1164
 Delta R.T. -0.01 min
 Lab File: BF093347.D
 Acq: 3 Mar 2017 3:24

Tgt Ion: 264 Resp: 301707
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 21.3 17.4 26.0

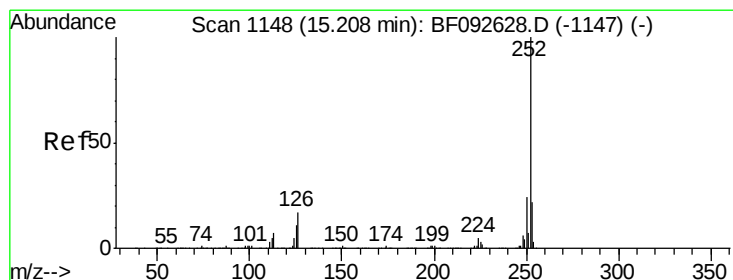
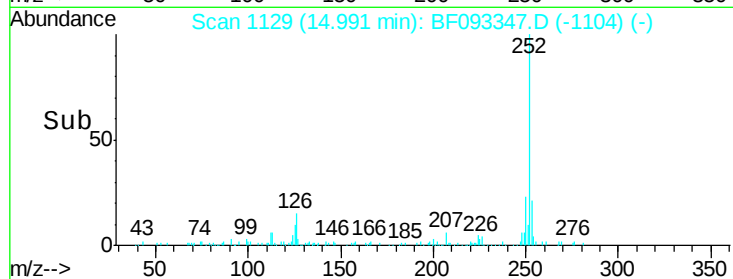
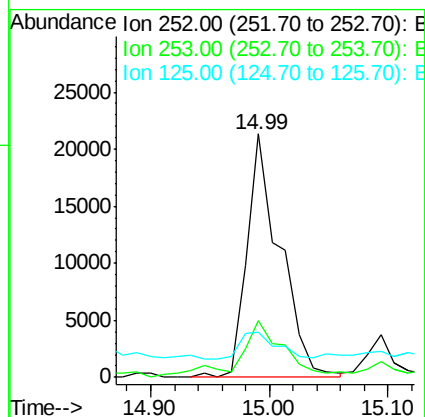
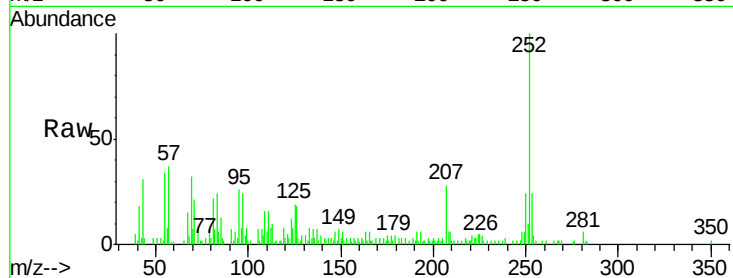




#87
Benzo(b)fluoranthene
Concen: 2.08 ng
RT: 14.99 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF093347.D
Acq: 3 Mar 2017 3:24

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-002-B

Tgt Ion:252 Resp: 41335
Ion Ratio Lower Upper
252 100
253 23.6 18.2 27.4
125 18.6 9.8 14.6#



#88
Benzo(k)fluoranthene
Concen: 2.41 ng
RT: 14.99 min Scan# 1129
Delta R.T. -0.03 min
Lab File: BF093347.D
Acq: 3 Mar 2017 3:24

Tgt Ion:252 Resp: 41335
Ion Ratio Lower Upper
252 100
253 23.6 18.5 27.7
125 18.6 8.9 13.3#

