

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030317\
 Data File : BF093392.D
 Acq On : 4 Mar 2017 8:27
 Operator : SJ/MA
 Sample : I2088-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-004-B

Quant Time: Mar 05 23:41:42 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

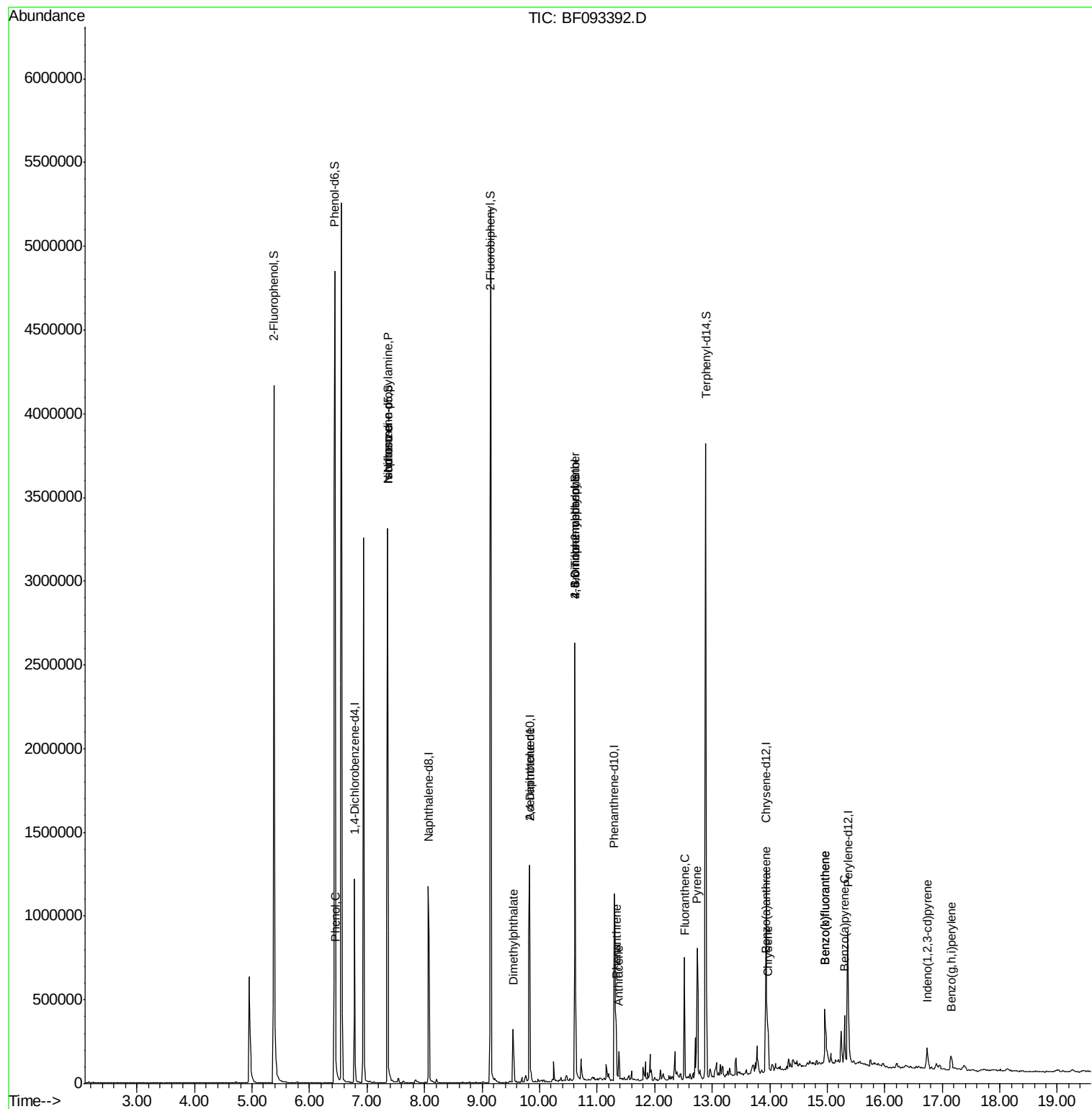
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	197332	20.00	ng	-0.07
21) Naphthalene-d8	8.06	136	737049	20.00	ng	-0.08
38) Acenaphthene-d10	9.82	164	333574	20.00	ng	-0.07
63) Phenanthrene-d10	11.30	188	525088	20.00	ng	-0.08
75) Chrysene-d12	13.94	240	358497	20.00	ng	-0.08
86) Perylene-d12	15.36	264	324361	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1659802	144.30	ng	-0.07
7) Phenol-d6	6.44	99	2248412	151.93	ng	-0.05
23) Nitrobenzene-d5	7.36	82	1275651	96.38	ng	-0.07
41) 2,4,6-Tribromophenol	10.61	330	305491	126.62	ng	-0.07
44) 2-Fluorobiphenyl	9.15	172	2013896	109.38	ng	-0.07
78) Terphenyl-d14	12.89	244	1184248	77.62	ng	-0.08
Target Compounds						
10) Phenol	6.45	94	137358	7.93	ng	# 65
19) n-Nitroso-di-n-propylamine	7.36	70	173297	18.39	ng	# 82
25) Isophorone	7.36	82	1266548	51.35	ng	# 65
49) Dimethylphthalate	9.54	163	158407	7.05	ng	99
56) 2,4-Dinitrotoluene	9.82	165	42607	6.60	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.61	198	850	2.92	ng	# 1
66) 4-Bromophenyl-phenylether	10.61	248	22917	4.18	ng	# 1
70) Phenanthrene	11.33	178	215068	7.15	ng	96
71) Anthracene	11.38	178	74334	2.46	ng	98
74) Fluoranthene	12.52	202	398313	12.84	ng	92
77) Pyrene	12.74	202	387520	14.44	ng	99
80) Benzo(a)anthracene	13.93	228	174827	7.97	ng	100
82) Chrysene	13.96	228	130048	6.33	ng	98
85) Indeno(1,2,3-cd)pyrene	16.74	276	69515	4.37	ng	97
87) Benzo(b)fluoranthene	14.96	252	220473	10.33	ng	97
88) Benzo(k)fluoranthene	14.96	252	220473	11.96	ng	# 96
89) Benzo(a)pyrene	15.30	252	130857	7.09	ng	98
91) Benzo(g,h,i)perylene	17.15	276	65699	4.36	ng	# 87

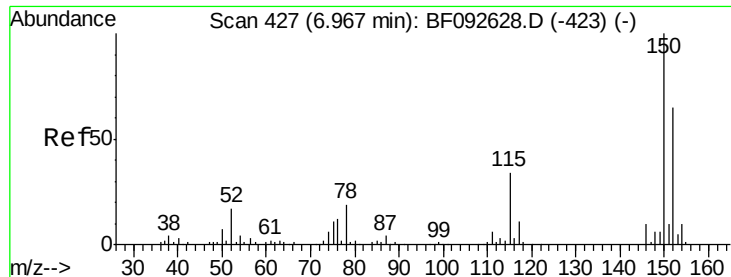
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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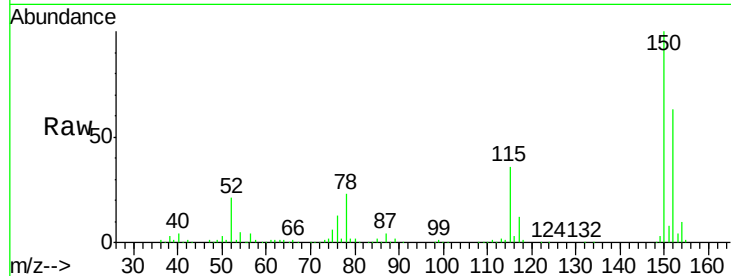


#1

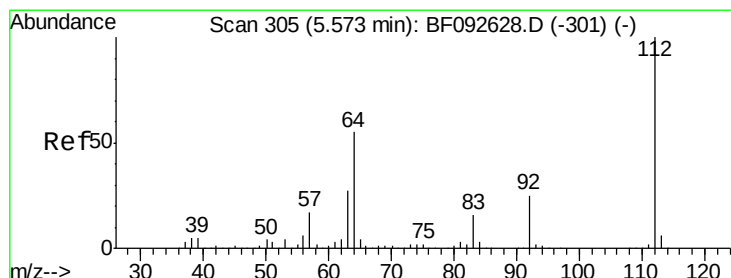
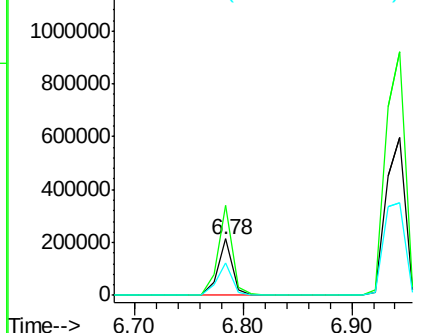
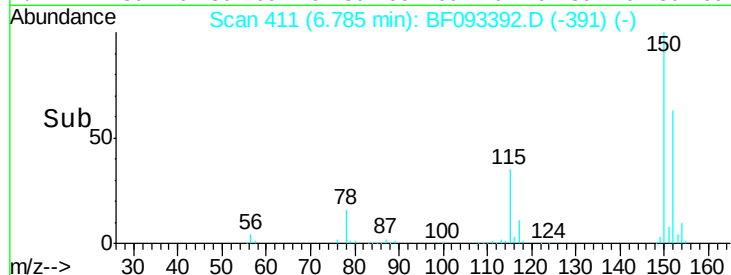
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 411
Delta R.T. -0.07 min
Lab File: BF093392.D
Acq: 4 Mar 2017 8:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-004-B

Tgt Ion:152 Resp: 197332
Ion Ratio Lower Upper
152 100
150 158.5 124.9 187.3
115 56.7 46.0 69.0



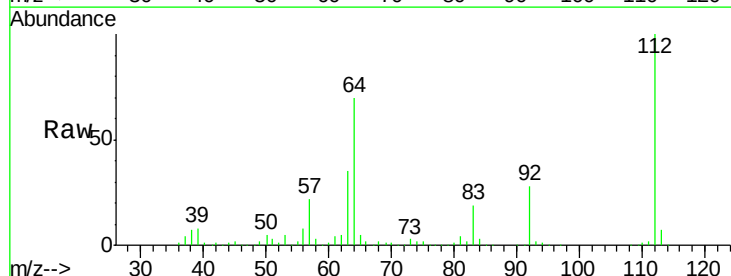
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



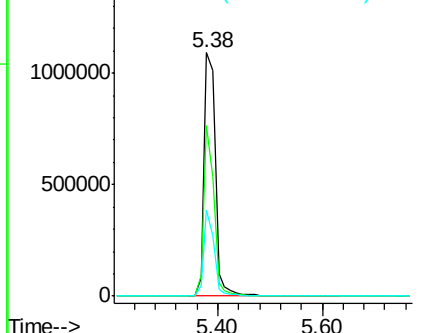
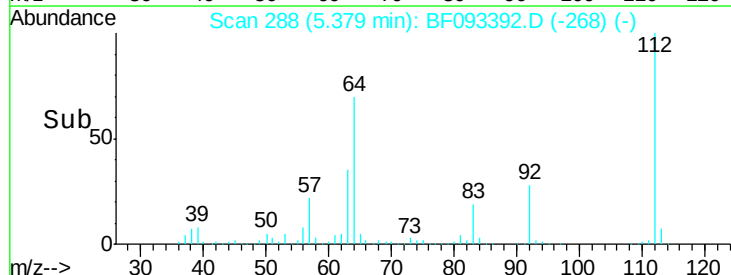
#5

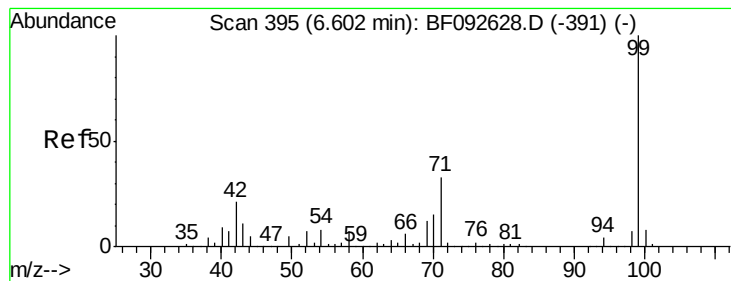
2-Fluorophenol
Concen: 144.30 ng
RT: 5.38 min Scan# 288
Delta R.T. -0.07 min
Lab File: BF093392.D
Acq: 4 Mar 2017 8:27

Tgt Ion:112 Resp: 1659802
Ion Ratio Lower Upper
112 100
64 69.8 46.1 69.1#
63 35.2 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





#7

Phenol-d6

Concen: 151.93 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.05 min

Lab File: BF093392.D

Acq: 4 Mar 2017 8:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-004-B

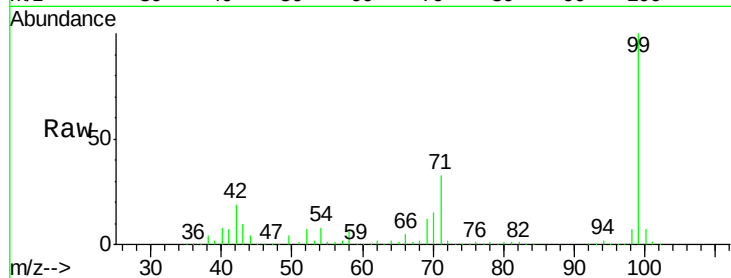
Tgt Ion: 99 Resp: 2248412

Ion Ratio Lower Upper

99 100

42 18.8 15.6 23.4

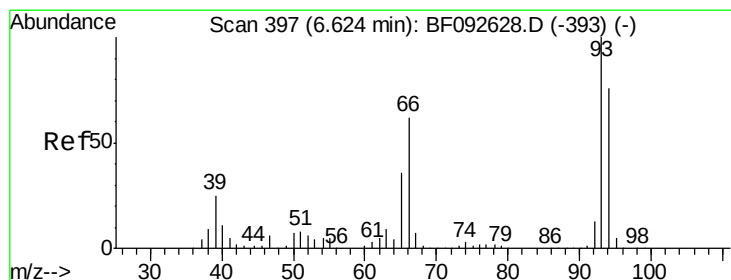
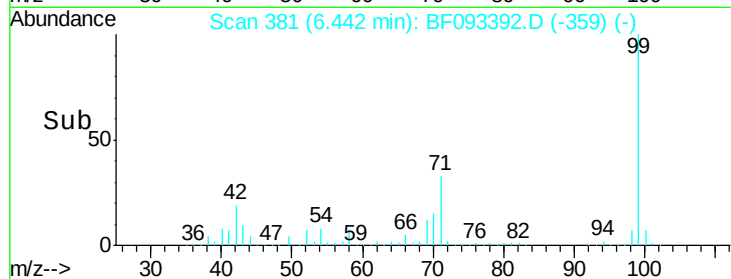
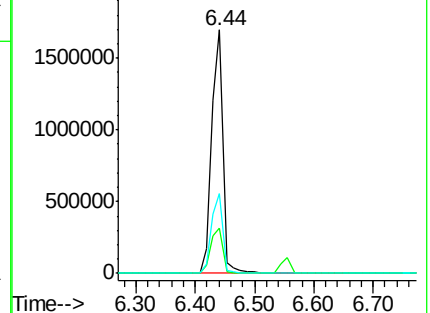
71 32.8 27.5 41.3



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: 7.93 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.06 min

Lab File: BF093392.D

Acq: 4 Mar 2017 8:27

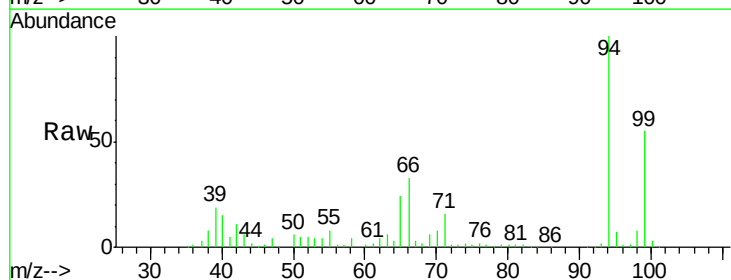
Tgt Ion: 94 Resp: 137358

Ion Ratio Lower Upper

94 100

65 24.2 21.4 61.4

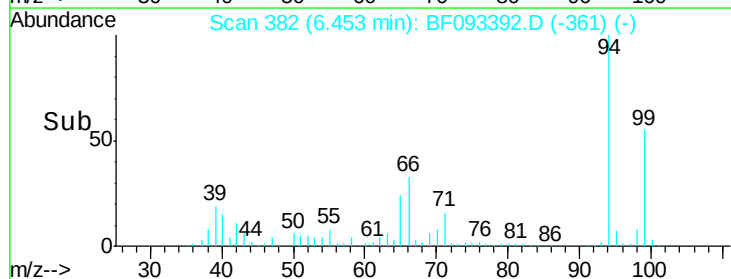
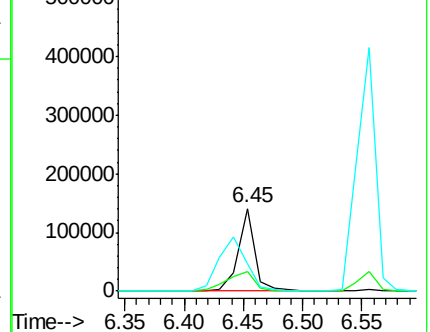
66 32.6 44.0 84.0#

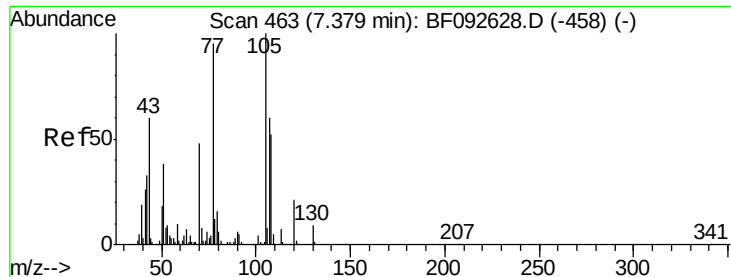


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

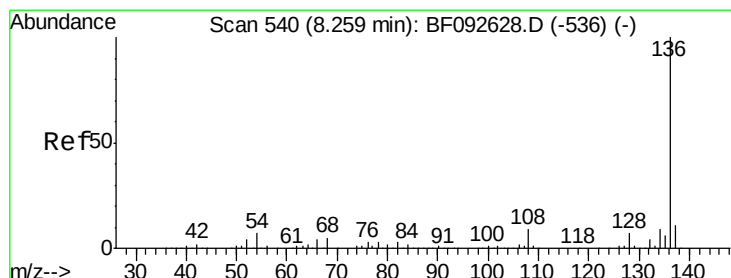
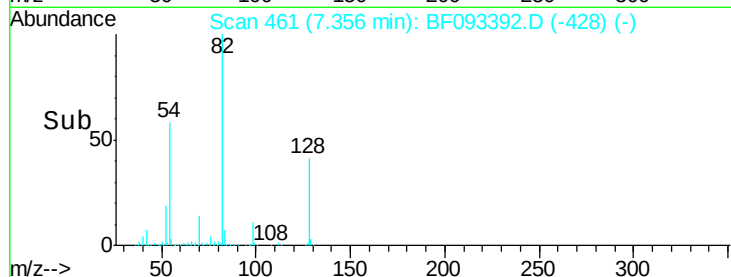
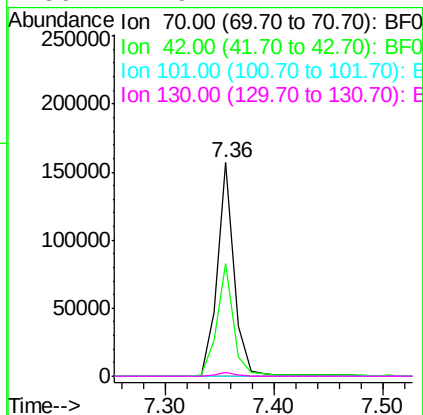
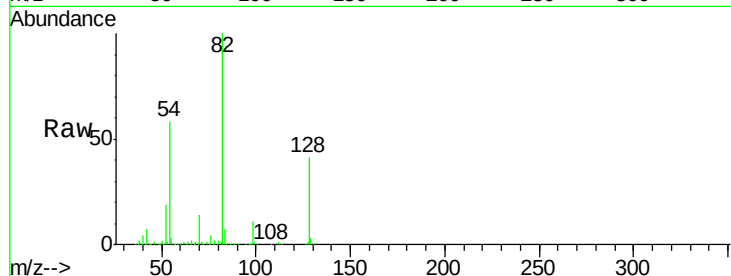




#19
n-Nitroso-di-n-propylamine
Concen: 18.39 ng
RT: 7.36 min Scan# 461
Delta R.T. 0.08 min
Lab File: BF093392.D
Acq: 4 Mar 2017 8:27

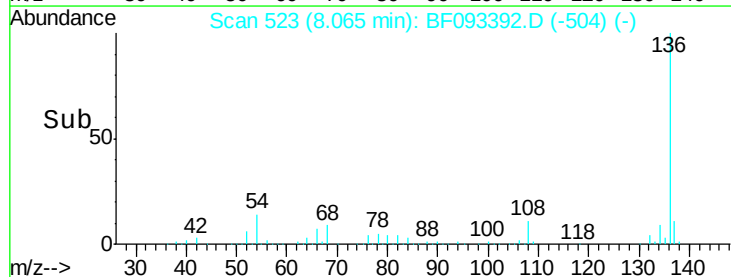
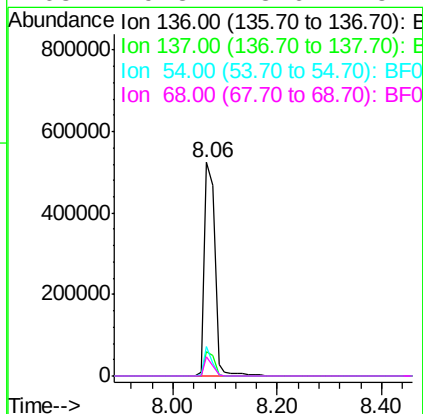
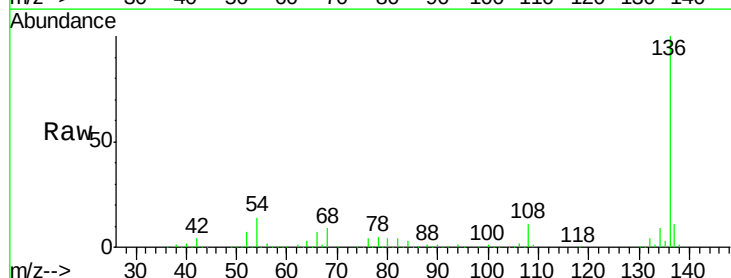
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-004-B

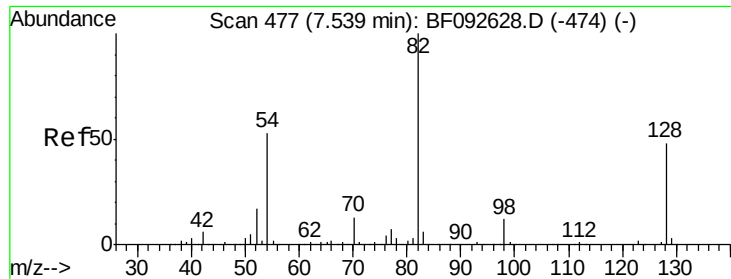
Tgt Ion: 70 Resp: 173297
Ion Ratio Lower Upper
70 100
42 52.5 49.4 74.0
101 0.0 7.4 11.2#
130 1.9 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.08 min
Lab File: BF093392.D
Acq: 4 Mar 2017 8:27

Tgt Ion: 136 Resp: 737049
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 13.7 4.5 6.7#
68 9.3 3.6 5.4#

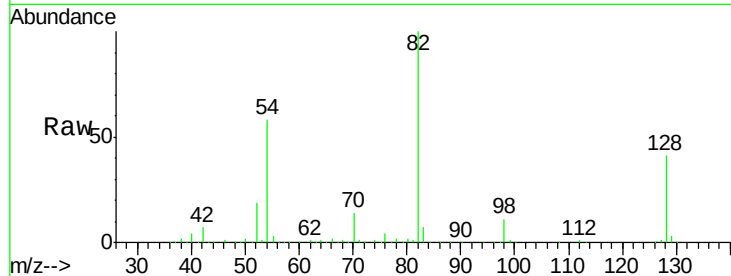




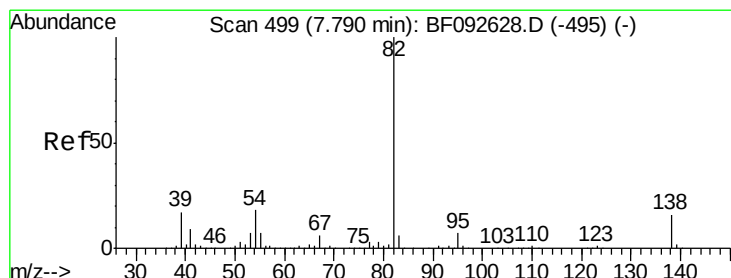
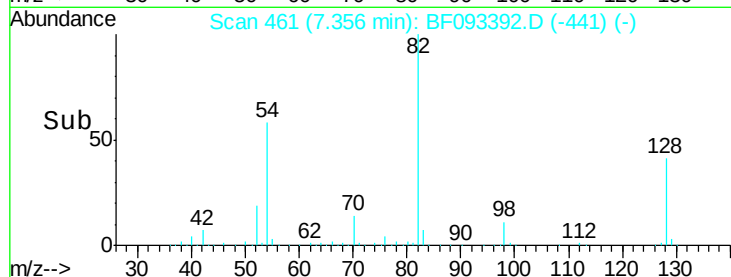
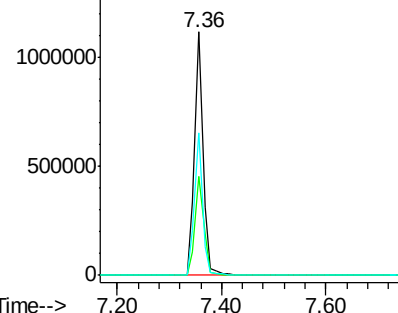
#23
 Nitrobenzene-d5
 Concen: 96.38 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.07 min
 Lab File: BF093392.D
 Acq: 4 Mar 2017 8:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-004-B

Tgt Ion: 82 Resp: 1275651
 Ion Ratio Lower Upper
 82 100
 128 40.8 34.6 52.0
 54 58.4 39.5 59.3

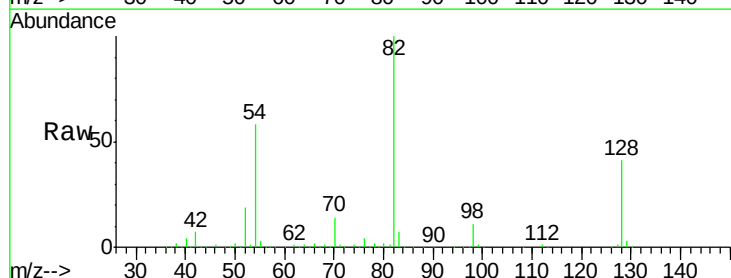


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

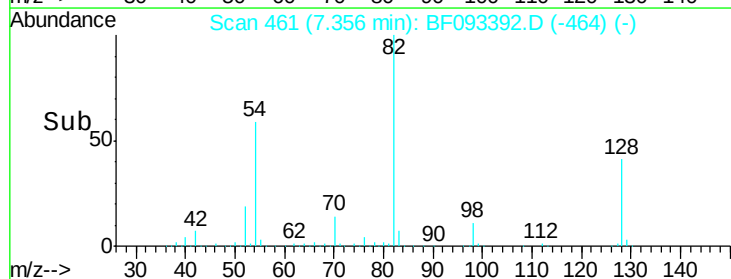
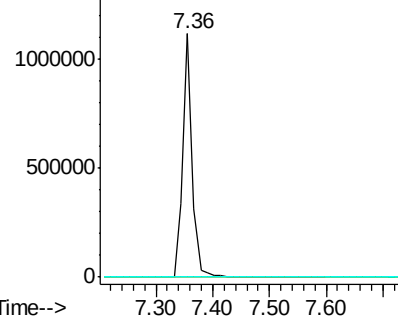


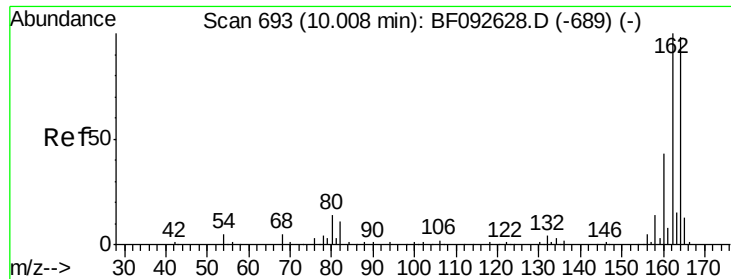
#25
 Isophorone
 Concen: 51.35 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.33 min
 Lab File: BF093392.D
 Acq: 4 Mar 2017 8:27

Tgt Ion: 82 Resp: 1266548
 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: 9.82 min Scan# 677

Delta R.T. -0.07 min

Lab File: BF093392.D

Acq: 4 Mar 2017 8:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-004-B

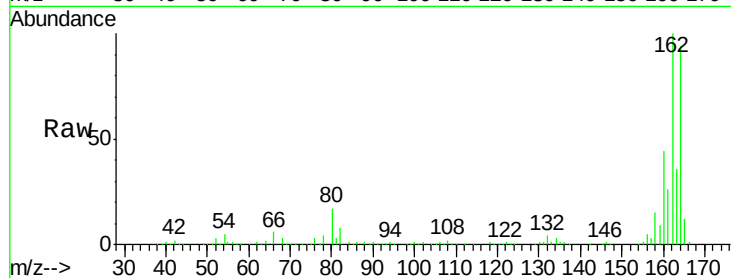
Tgt Ion:164 Resp: 333574

Ion Ratio Lower Upper

164 100

162 106.1 80.2 120.2

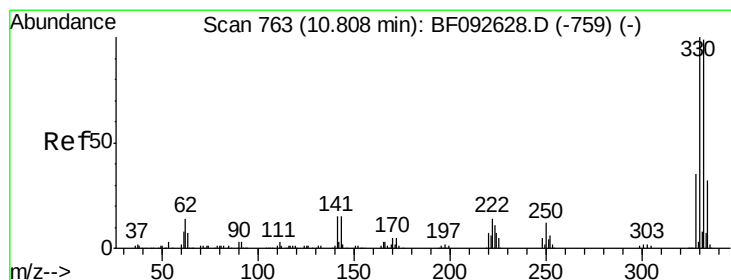
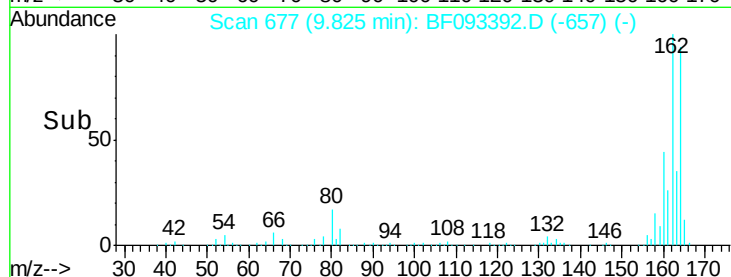
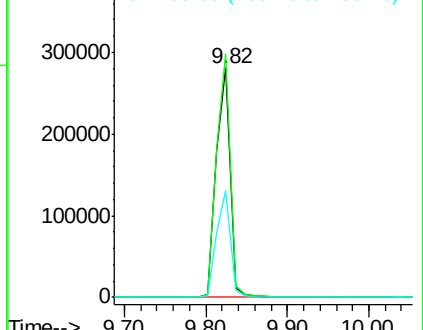
160 46.6 36.9 55.3



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: 126.62 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.07 min

Lab File: BF093392.D

Acq: 4 Mar 2017 8:27

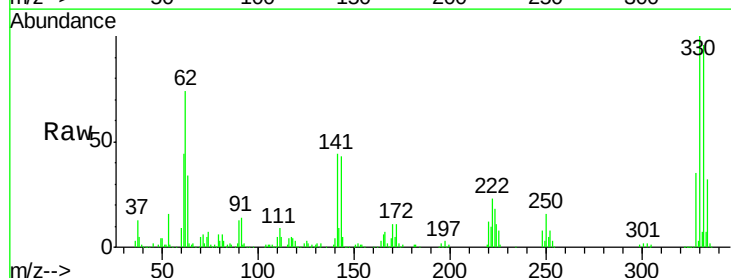
Tgt Ion:330 Resp: 305491

Ion Ratio Lower Upper

330 100

332 95.6 77.4 116.2

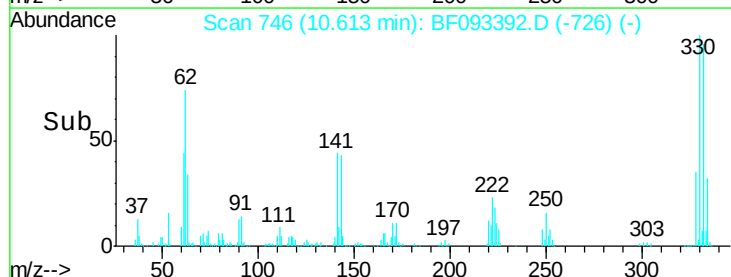
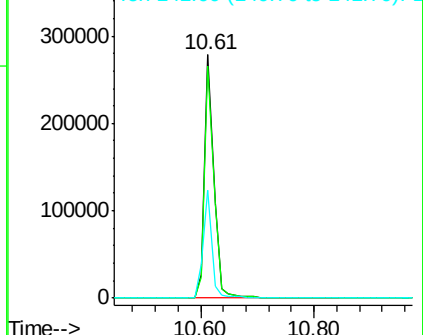
141 41.8 34.1 51.1

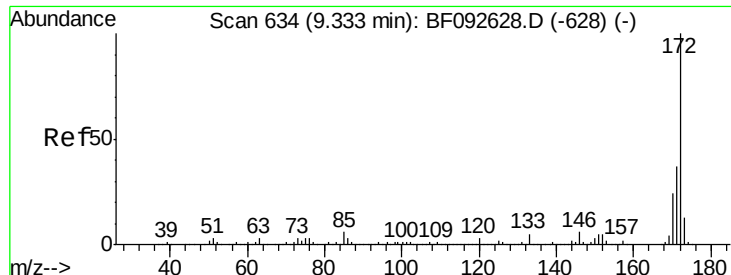


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

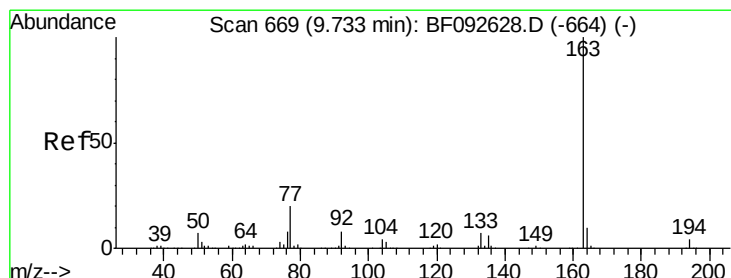
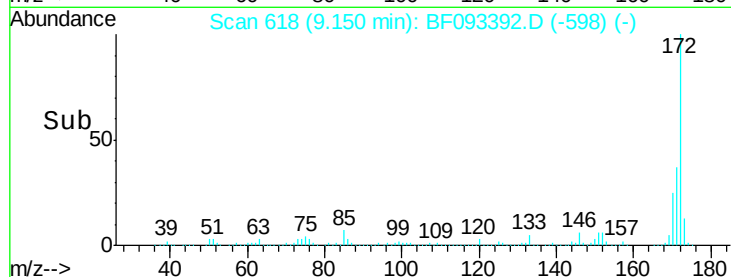
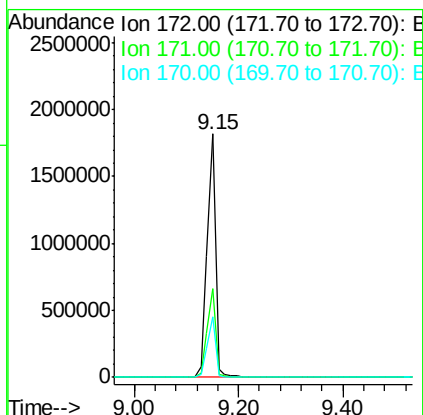
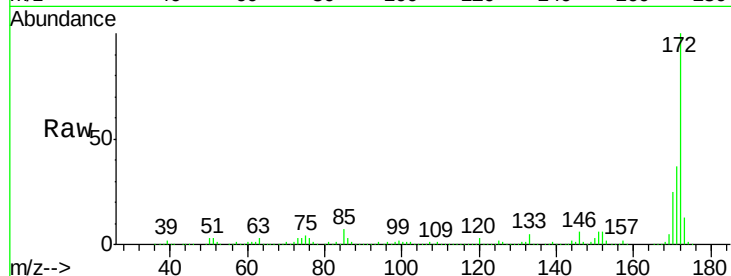




#44
 2-Fluorobiphenyl
 Concen: 109.38 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.07 min
 Lab File: BF093392.D
 Acq: 4 Mar 2017 8:27

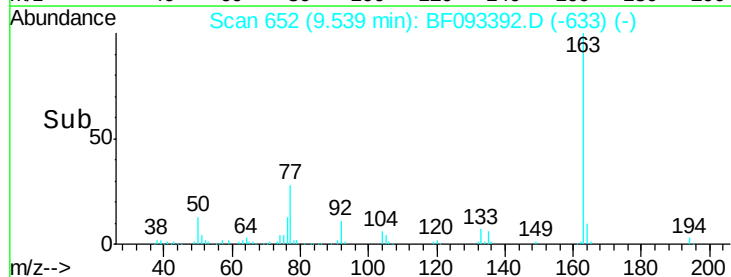
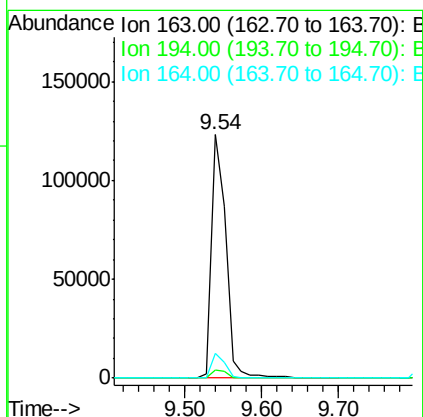
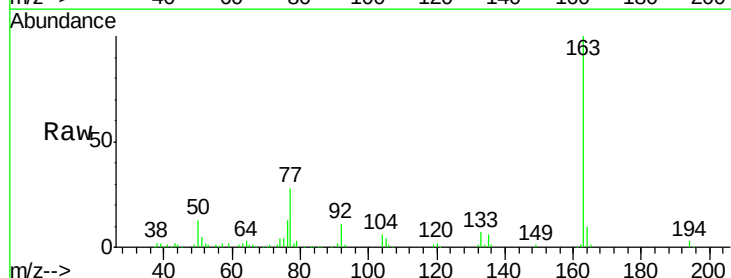
Instrument :
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 FK-GF-02-004-B

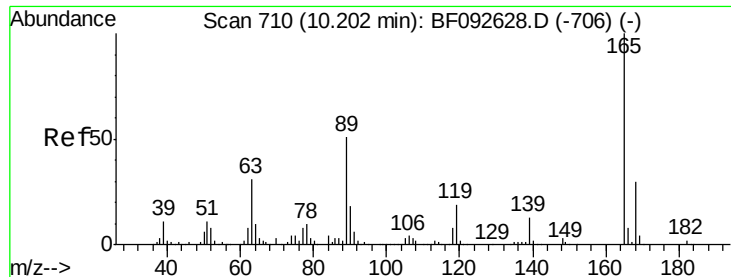
Tgt Ion:172 Resp: 2013896
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.4 44.0
 170 24.6 20.2 30.4



#49
 Dimethylphthalate
 Concen: 7.05 ng
 RT: 9.54 min Scan# 652
 Delta R.T. -0.08 min
 Lab File: BF093392.D
 Acq: 4 Mar 2017 8:27

Tgt Ion:163 Resp: 158407
 Ion Ratio Lower Upper
 163 100
 194 3.5 3.0 4.4
 164 10.2 8.0 12.0

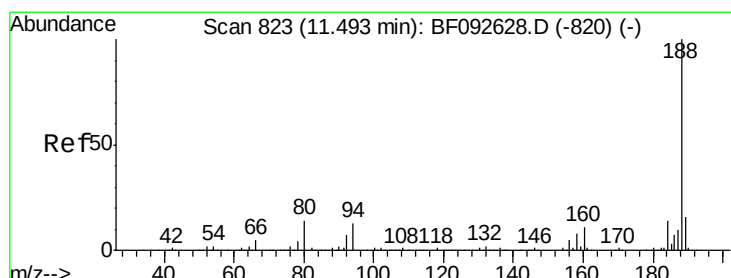
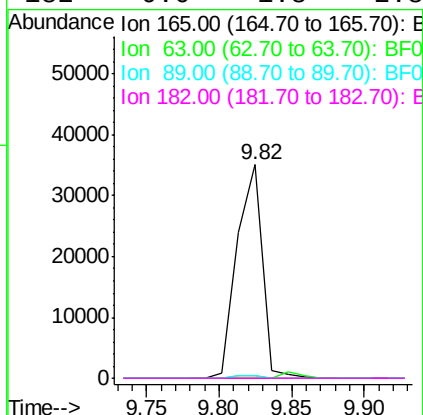
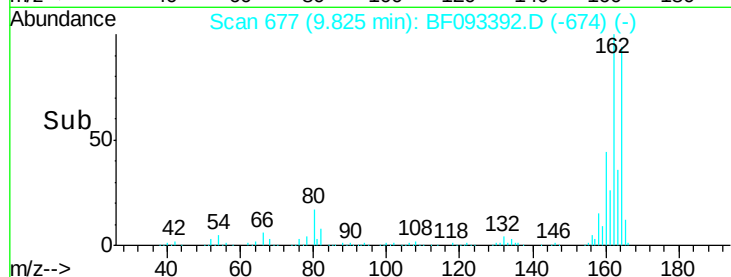
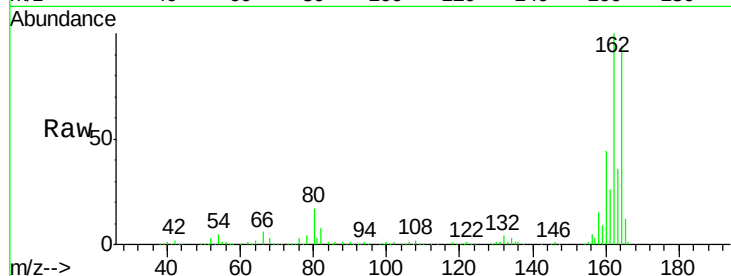




#56
 2,4-Dinitrotoluene
 Concen: 6.60 ng
 RT: 9.82 min Scan# 677
 Delta R.T. -0.26 min
 Lab File: BF093392.D
 Acq: 4 Mar 2017 8:27

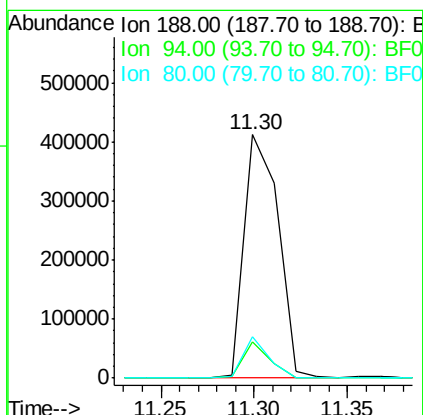
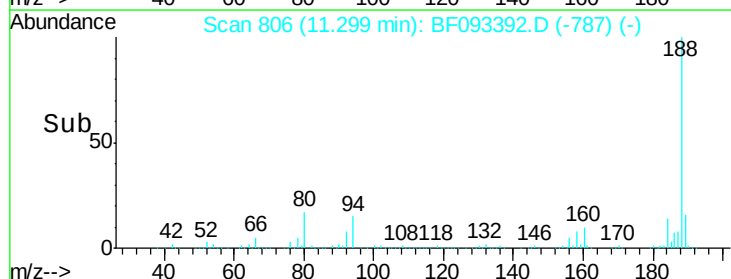
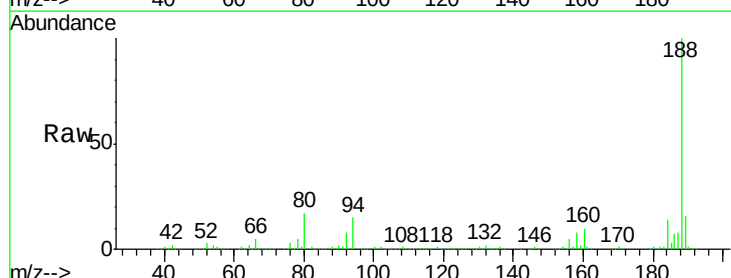
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-004-B

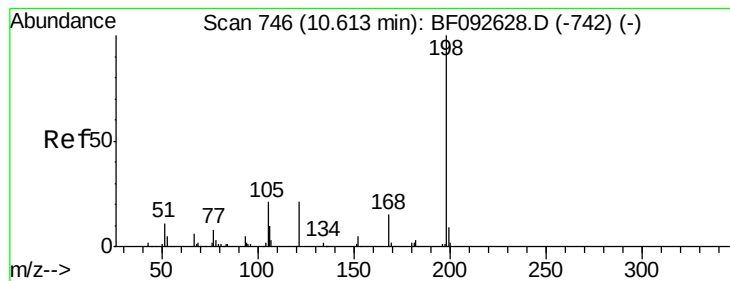
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	40.2	60.4#
89	1.4	62.5	93.7#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 806
 Delta R.T. -0.08 min
 Lab File: BF093392.D
 Acq: 4 Mar 2017 8:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	14.9	10.0	15.0
80	16.9	11.2	16.8#





#64

4,6-Dinitro-2-methylphenol

Concen: 2.92 ng

RT: 10.61 min Scan# 746

Delta R.T. 0.11 min

Lab File: BF093392.D

Acq: 4 Mar 2017 8:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-004-B

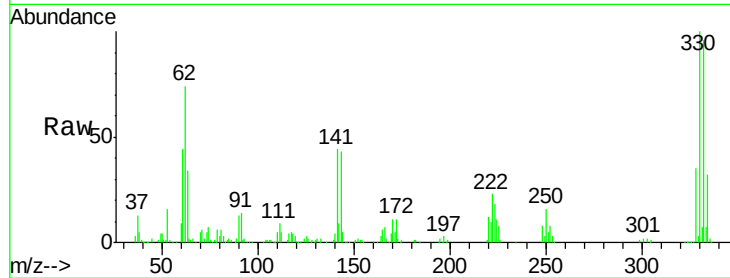
Tgt Ion:198 Resp: 850

Ion Ratio Lower Upper

198 100

51 205.2 6.7 46.7#

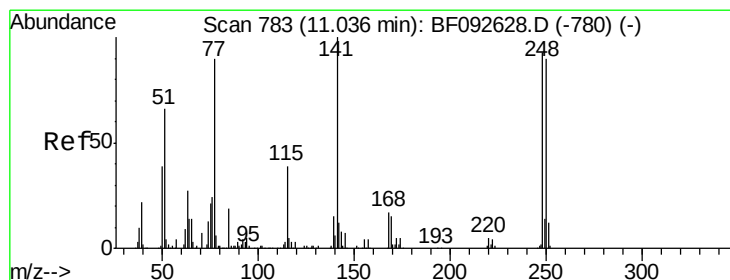
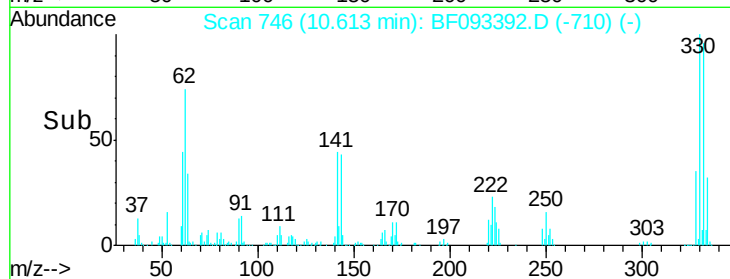
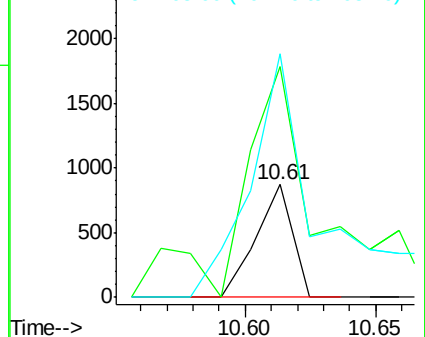
105 215.8 16.6 56.6#



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: 4.18 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.31 min

Lab File: BF093392.D

Acq: 4 Mar 2017 8:27

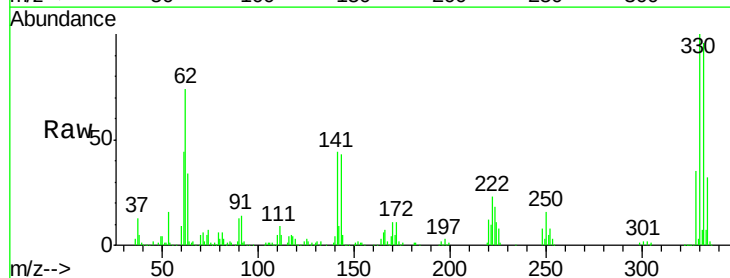
Tgt Ion:248 Resp: 22917

Ion Ratio Lower Upper

248 100

250 198.7 76.9 115.3#

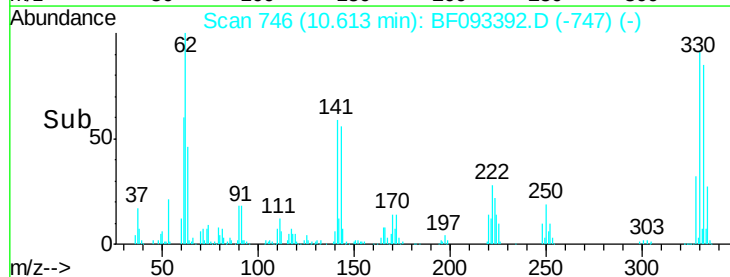
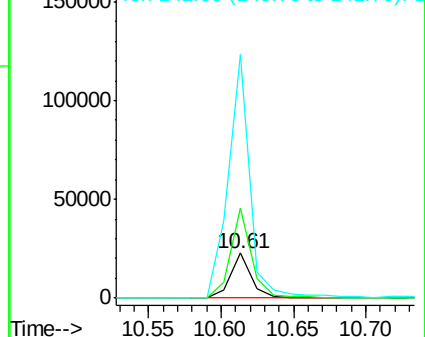
141 540.1 68.2 102.4#

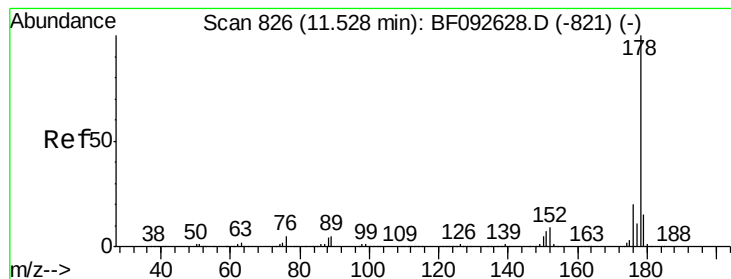


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 7.15 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.07 min

Lab File: BF093392.D

Acq: 4 Mar 2017 8:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-004-B

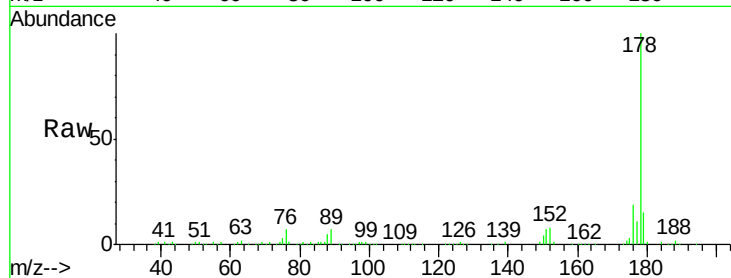
Tgt Ion:178 Resp: 215068

Ion Ratio Lower Upper

178 100

176 18.5 16.6 25.0

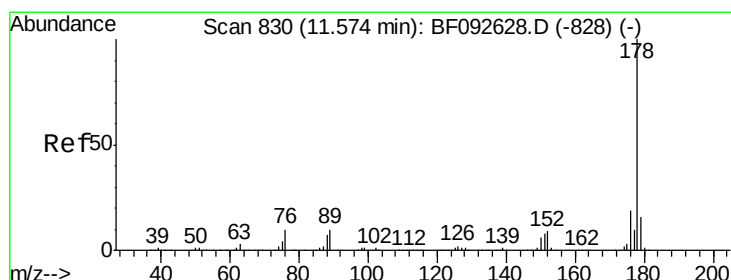
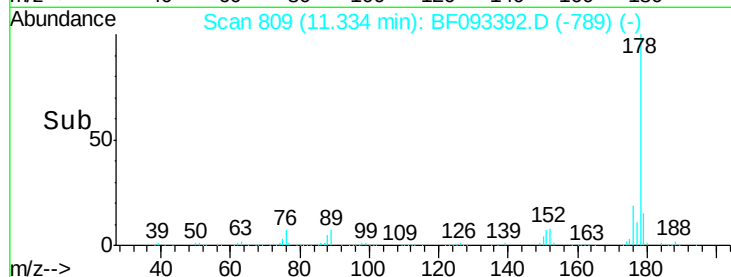
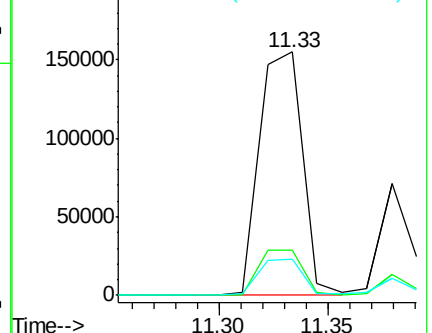
179 15.1 12.8 19.2



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



#71

Anthracene

Concen: 2.46 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.08 min

Lab File: BF093392.D

Acq: 4 Mar 2017 8:27

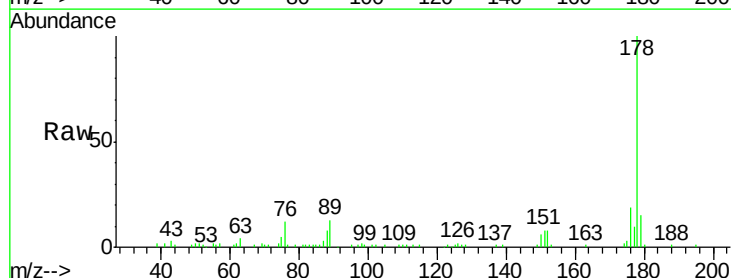
Tgt Ion:178 Resp: 74334

Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

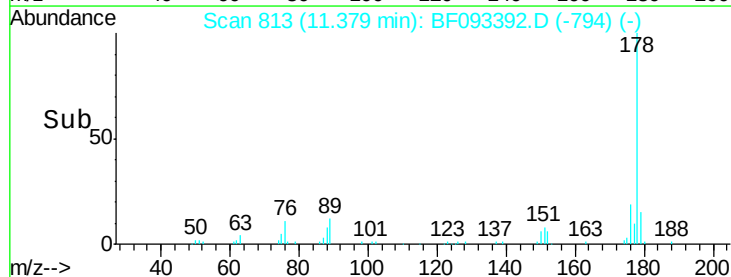
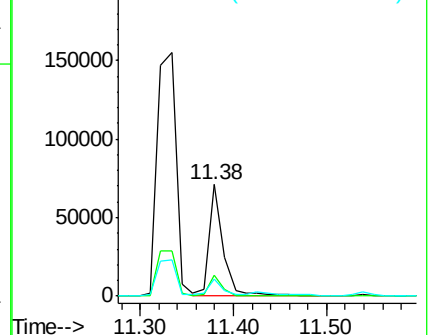
179 15.5 13.2 19.8

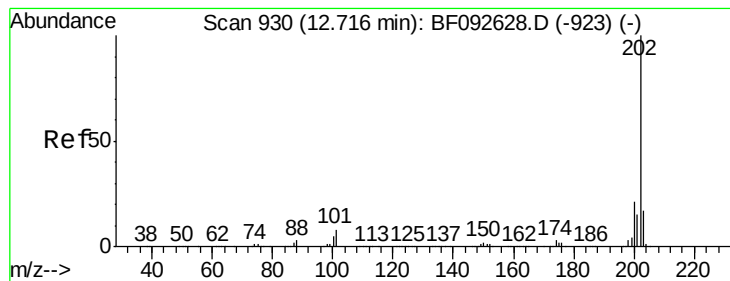


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 12.84 ng

RT: 12.52 min Scan# 913

Delta R.T. -0.07 min

Lab File: BF093392.D

Acq: 4 Mar 2017 8:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-004-B

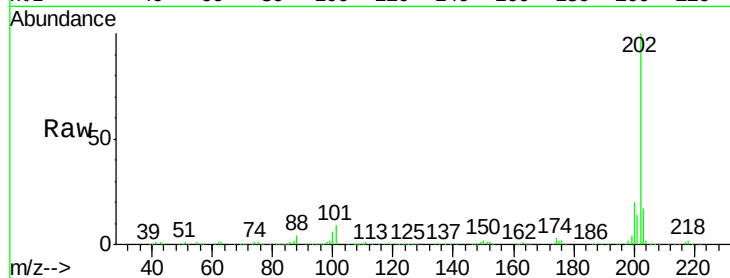
Tgt Ion:202 Resp: 398313

Ion Ratio Lower Upper

202 100

101 8.9 0.0 34.6

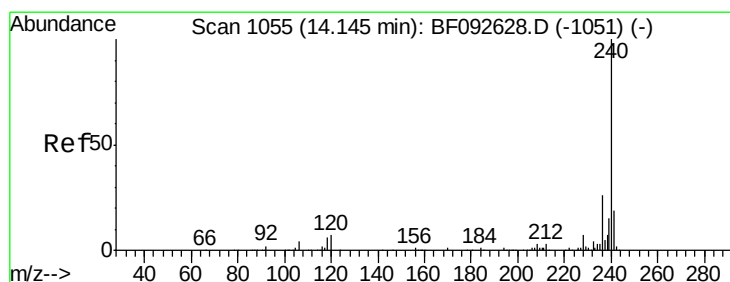
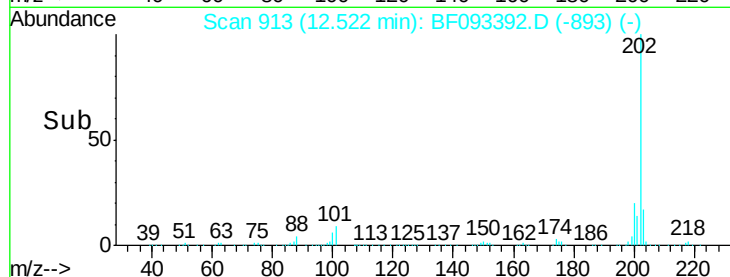
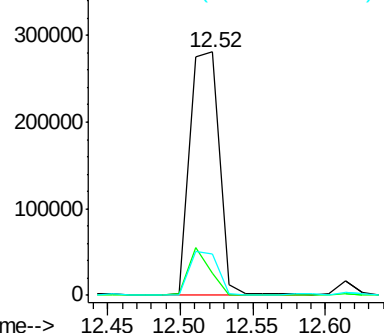
203 16.8 0.0 38.7



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: 13.94 min Scan# 1037

Delta R.T. -0.08 min

Lab File: BF093392.D

Acq: 4 Mar 2017 8:27

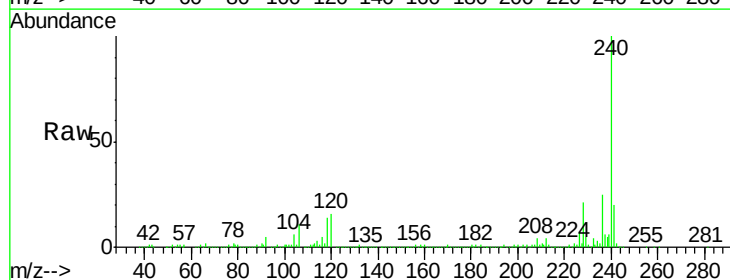
Tgt Ion:240 Resp: 358497

Ion Ratio Lower Upper

240 100

120 16.0 12.9 19.3

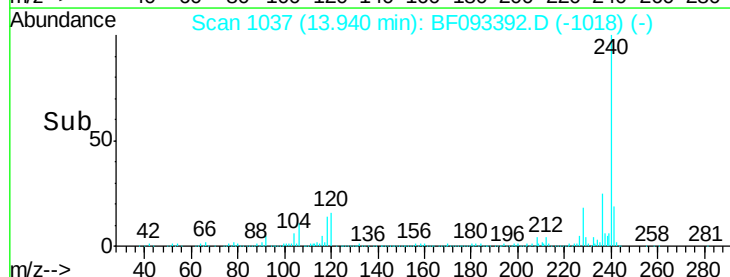
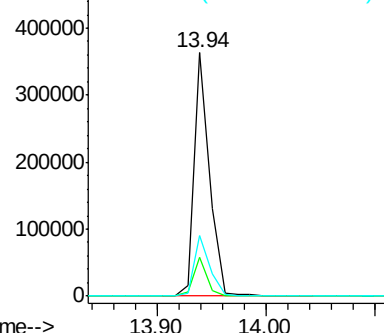
236 25.0 20.9 31.3

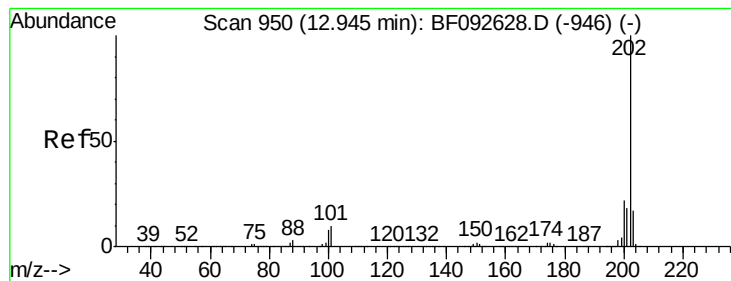


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 14.44 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.08 min

Lab File: BF093392.D

Acq: 4 Mar 2017 8:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-004-B

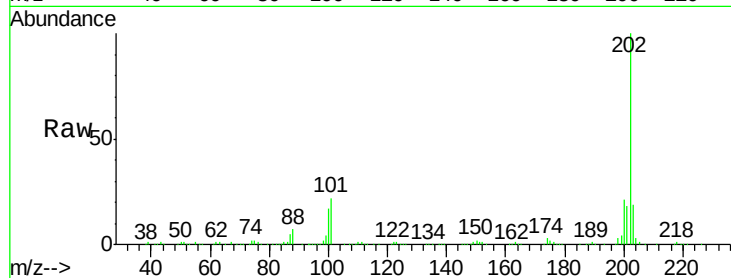
Tgt Ion:202 Resp: 387520

Ion Ratio Lower Upper

202 100

200 21.0 17.7 26.5

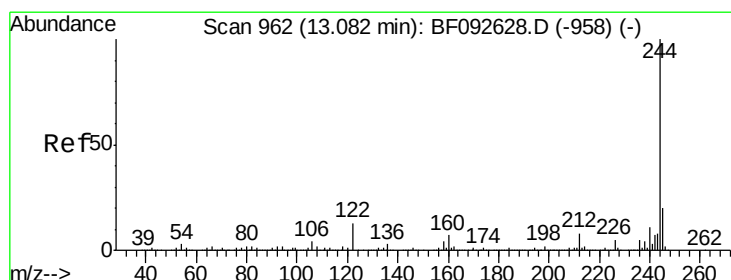
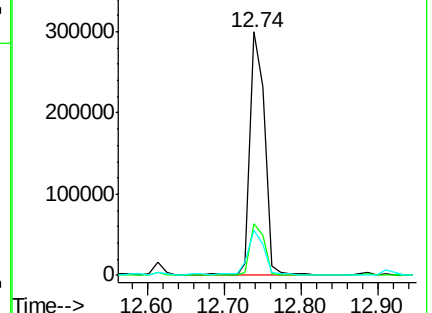
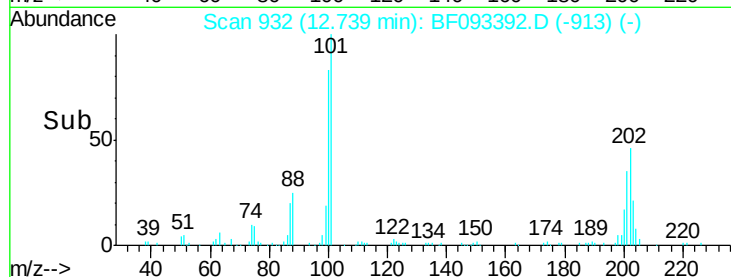
203 18.6 14.7 22.1



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: 77.62 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.08 min

Lab File: BF093392.D

Acq: 4 Mar 2017 8:27

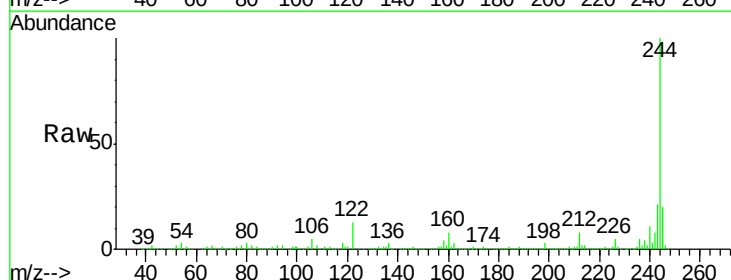
Tgt Ion:244 Resp: 1184248

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

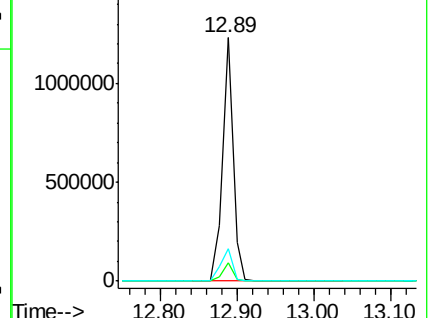
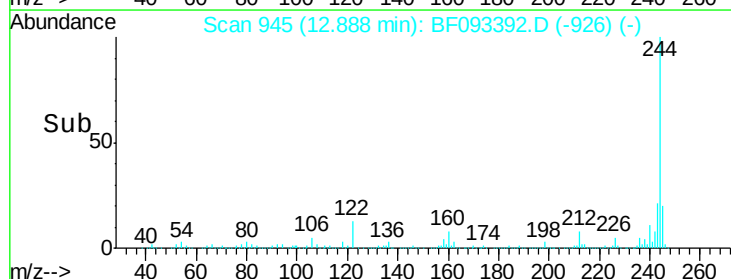
122 13.3 11.4 17.2

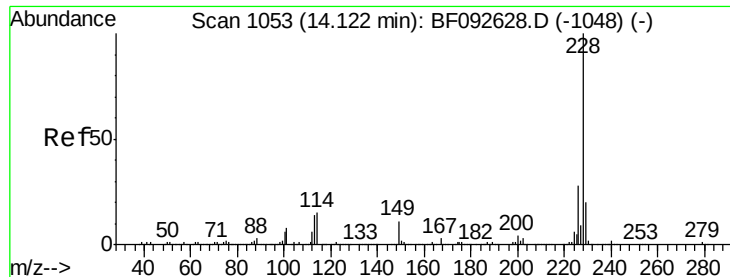


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.97 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.08 min

Lab File: BF093392.D

Acq: 4 Mar 2017 8:27

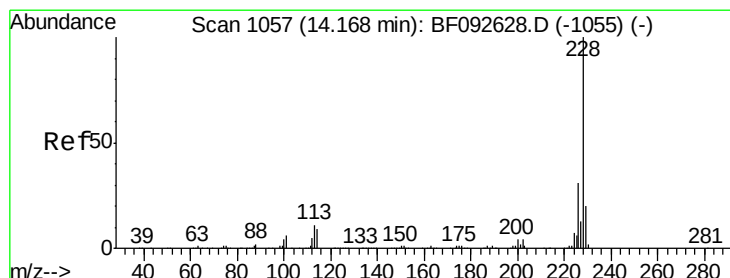
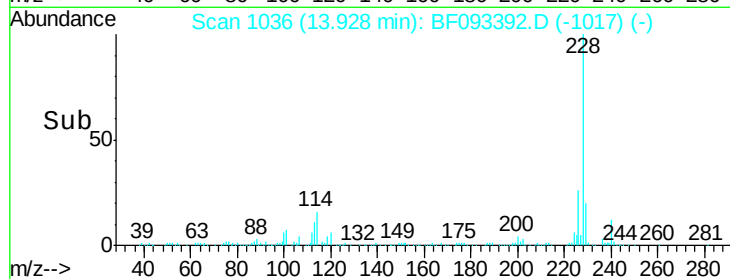
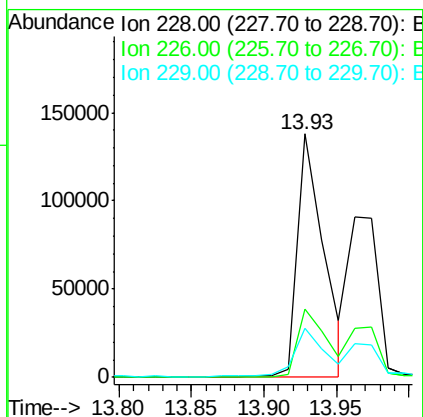
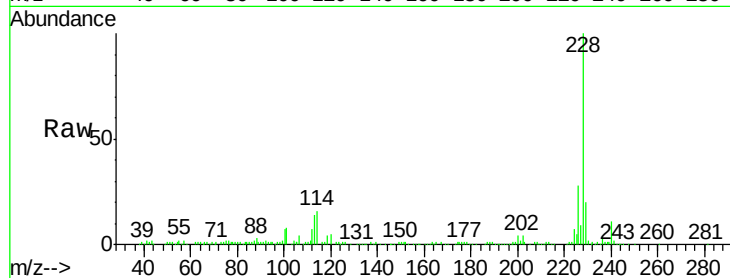
Instrument :

BNA_F

ClientSampleId :

FK-GF-02-004-B

Tgt Ion:	228	Resp:	174827
Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.4	33.6
229	20.2	16.2	24.4



#82

Chrysene

Concen: 6.33 ng

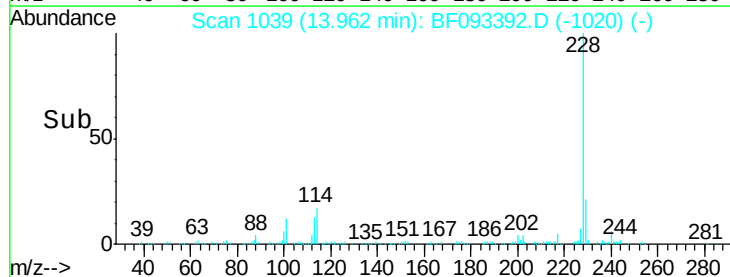
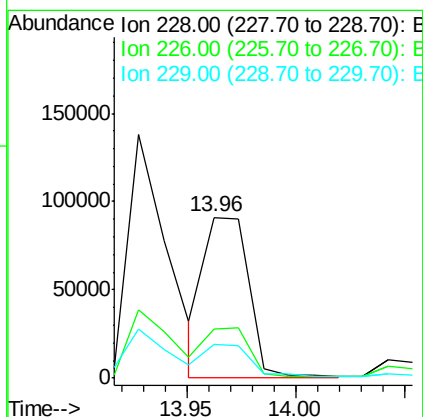
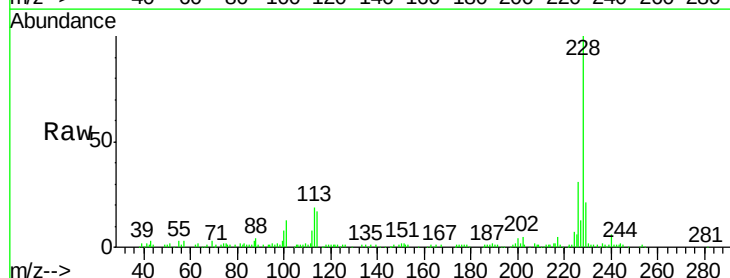
RT: 13.96 min Scan# 1039

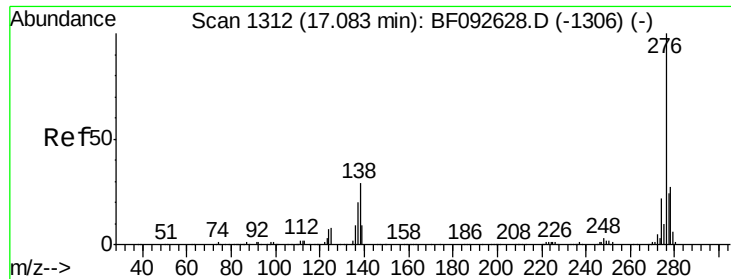
Delta R.T. -0.08 min

Lab File: BF093392.D

Acq: 4 Mar 2017 8:27

Tgt Ion:	228	Resp:	130048
Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.4	38.0
229	21.0	16.2	24.2

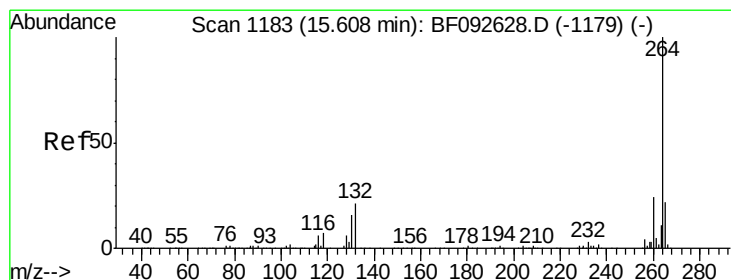
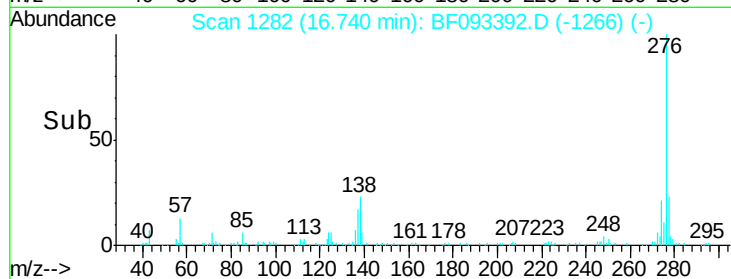
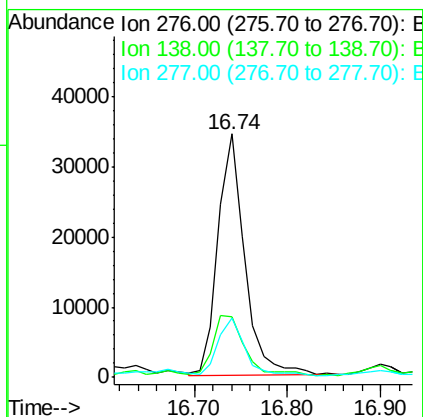
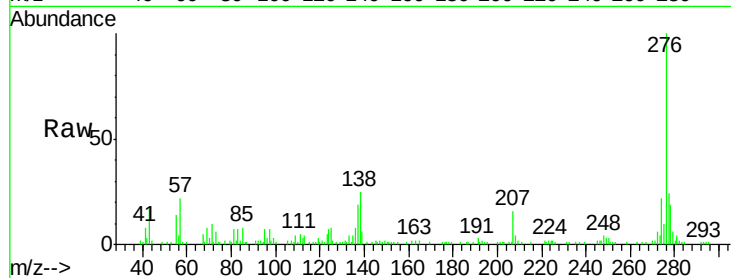




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.37 ng
 RT: 16.74 min Scan# 1282
 Delta R.T. -0.11 min
 Lab File: BF093392.D
 Acq: 4 Mar 2017 8:27

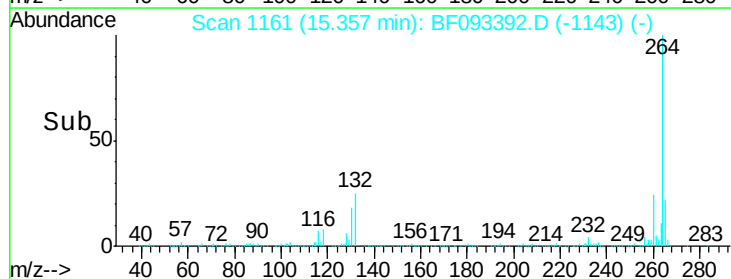
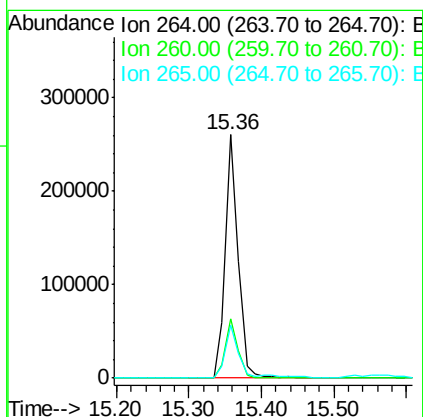
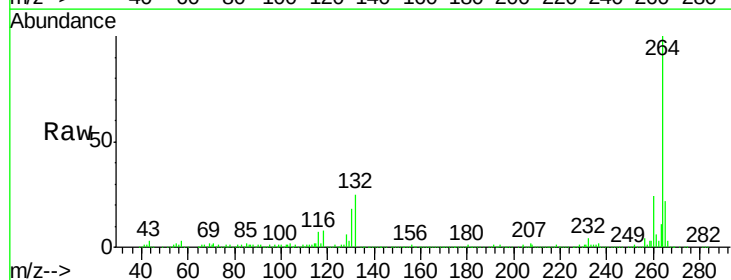
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-004-B

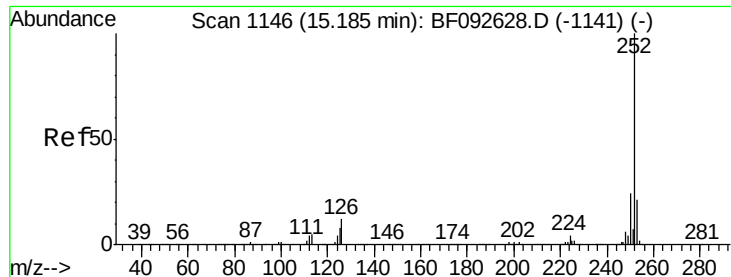
Tgt Ion:276 Resp: 69515
 Ion Ratio Lower Upper
 276 100
 138 28.5 21.8 32.6
 277 23.2 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1161
 Delta R.T. -0.09 min
 Lab File: BF093392.D
 Acq: 4 Mar 2017 8:27

Tgt Ion:264 Resp: 324361
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 22.0 17.4 26.0

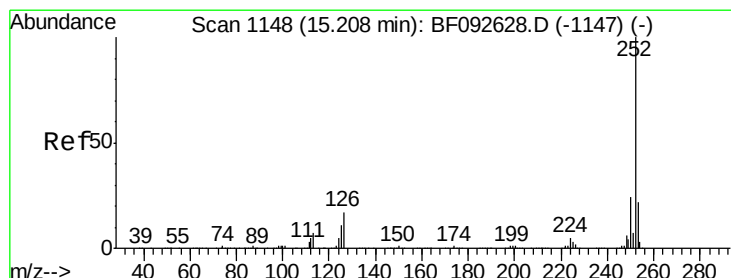
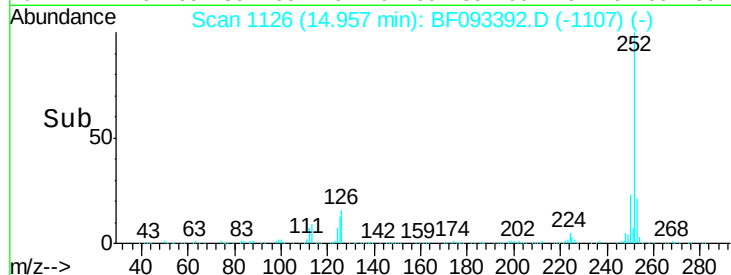
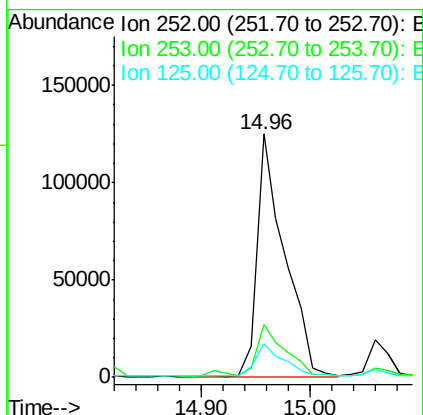
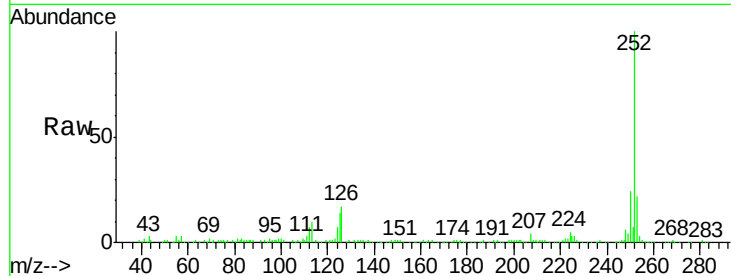




#87
Benzo(b)fluoranthene
Concen: 10.33 ng
RT: 14.96 min Scan# 1126
Delta R.T. -0.08 min
Lab File: BF093392.D
Acq: 4 Mar 2017 8:27

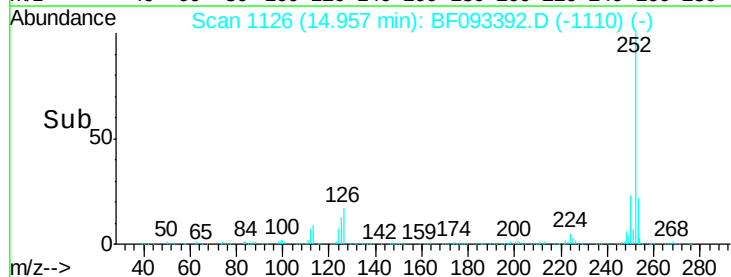
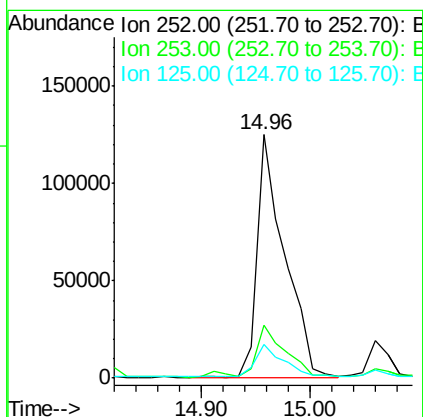
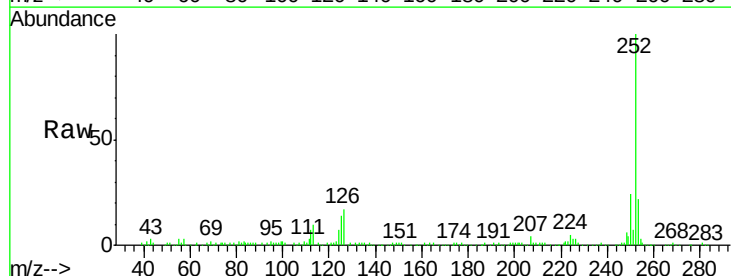
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-004-B

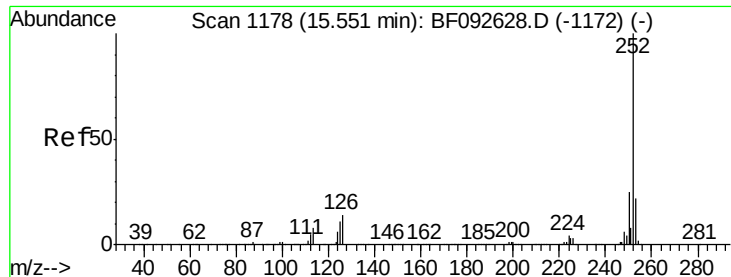
Tgt Ion: 252 Resp: 220473
Ion Ratio Lower Upper
252 100
253 21.8 18.2 27.4
125 14.0 9.8 14.6



#88
Benzo(k)fluoranthene
Concen: 11.96 ng
RT: 14.96 min Scan# 1126
Delta R.T. -0.11 min
Lab File: BF093392.D
Acq: 4 Mar 2017 8:27

Tgt Ion: 252 Resp: 220473
Ion Ratio Lower Upper
252 100
253 21.8 18.5 27.7
125 14.0 8.9 13.3#





#89

Benzo(a)pyrene

Concen: 7.09 ng

RT: 15.30 min Scan# 1156

Delta R.T. -0.09 min

Lab File: BF093392.D

Acq: 4 Mar 2017 8:27

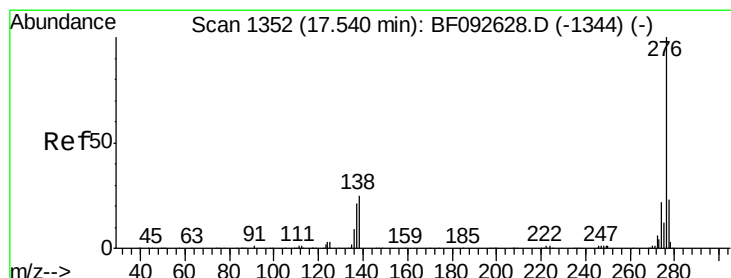
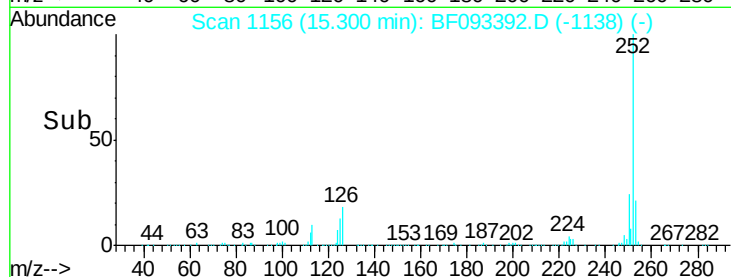
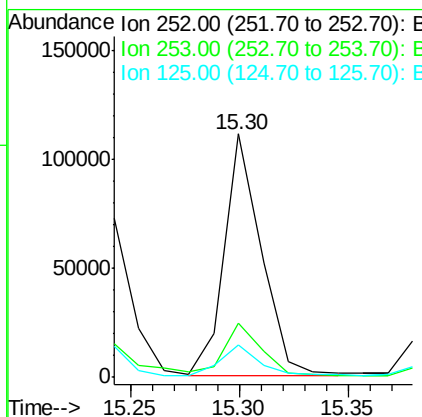
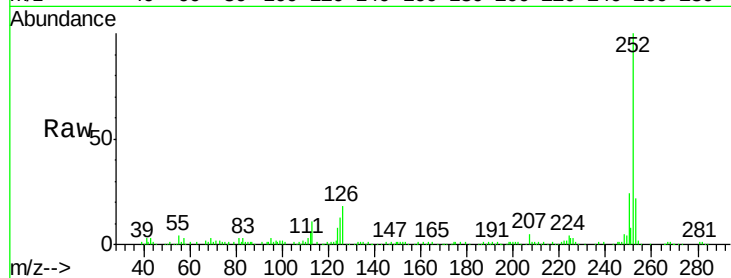
Instrument :

BNA_F

ClientSampleId :

FK-GF-02-004-B

Tgt Ion:	252	Resp:	130857
Ion Ratio		Lower	Upper
252	100		
253	22.1	18.2	27.2
125	13.4	10.0	15.0



#91

Benzo(g,h,i)perylene

Concen: 4.36 ng

RT: 17.15 min Scan# 1318

Delta R.T. -0.14 min

Lab File: BF093392.D

Acq: 4 Mar 2017 8:27

Tgt Ion:	276	Resp:	65699
Ion Ratio		Lower	Upper
276	100		
277	26.9	19.2	28.8
138	30.3	16.0	24.0

