

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030617\
 Data File : BF093407.D
 Acq On : 6 Mar 2017 18:13
 Operator : SJ/MA
 Sample : I2088-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Mar 07 00:24:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 00:03:56 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	196386	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	769571	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	339565	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	540357	20.00	ng	0.00
75) Chrysene-d12	13.93	240	408833	20.00	ng	0.00
86) Perylene-d12	15.35	264	390234	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	1580531	138.07	ng	0.02
7) Phenol-d6	6.44	99	2216700	150.50	ng	0.00
23) Nitrobenzene-d5	7.35	82	1413962	102.32	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	309446	126.00	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	1795815	95.81	ng	0.00
78) Terphenyl-d14	12.88	244	1302161	74.84	ng	0.00

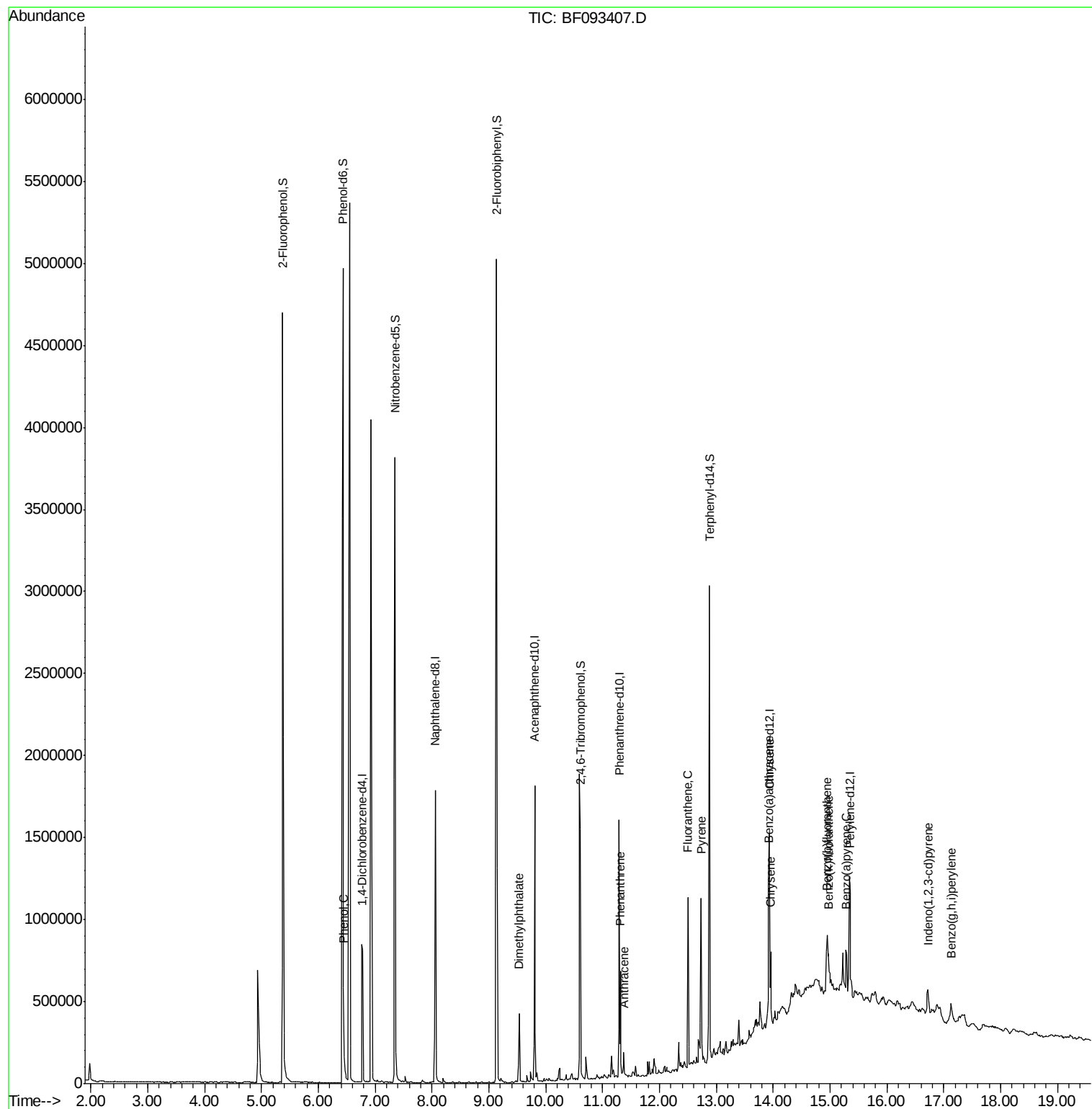
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	134202	7.79	ng	# 66
49) Dimethylphthalate	9.53	163	172015	7.52	ng	99
70) Phenanthrene	11.32	178	227050	7.33	ng	97
71) Anthracene	11.37	178	71281	2.29	ng	95
74) Fluoranthene	12.50	202	382110	11.97	ng	98
77) Pyrene	12.73	202	397525	12.99	ng	98
80) Benzo(a)anthracene	13.92	228	177749m	7.11	ng	
82) Chrysene	13.96	228	168308m	7.19	ng	
85) Indeno(1,2,3-cd)pyrene	16.72	276	88284	4.87	ng	99
87) Benzo(b)fluoranthene	14.95	252	201438m	7.84	ng	
88) Benzo(k)fluoranthene	14.97	252	57014m	2.57	ng	
89) Benzo(a)pyrene	15.29	252	153155	6.89	ng	# 97
91) Benzo(a,h,i)perylene	17.13	276	79083	4.36	ng	# 90

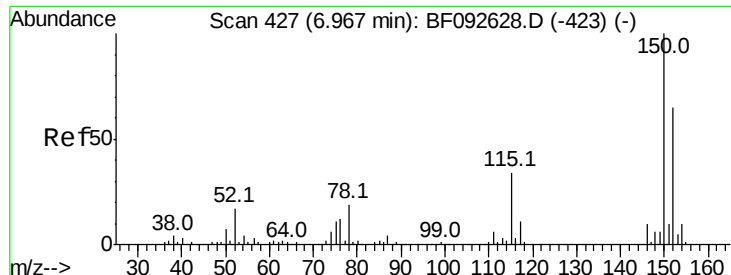
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 428

Delta R.T. 0.01 min

Lab File: BF093407.D

Acq: 6 Mar 2017 18:13

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-004-B

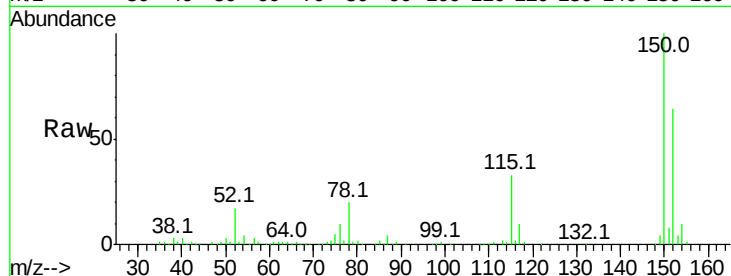
Tot Ion:152 Resp: 196386

Ion Ratio Lower Upper

152 100

150 155.2 124.9 187.3

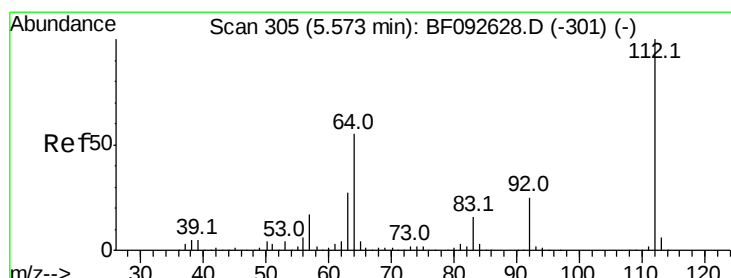
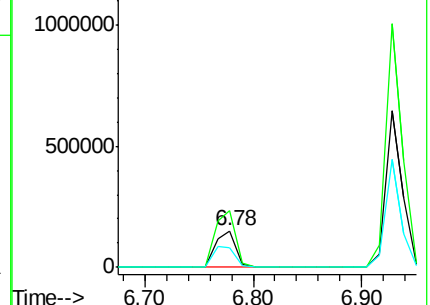
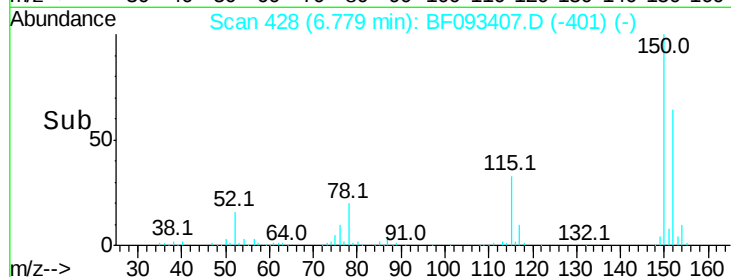
115 51.8 46.0 69.0



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: 138.07 ng

RT: 5.37 min Scan# 305

Delta R.T. 0.02 min

Lab File: BF093407.D

Acq: 6 Mar 2017 18:13

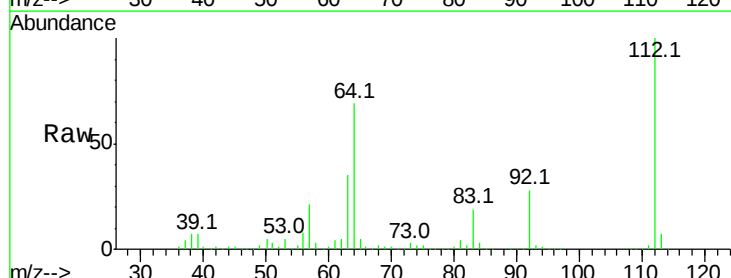
Tgt Ion:112 Resp: 1580531

Ion Ratio Lower Upper

112 100

64 68.6 46.1 69.1

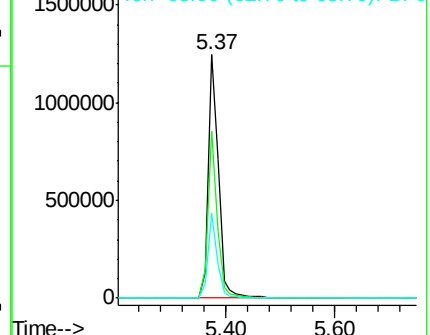
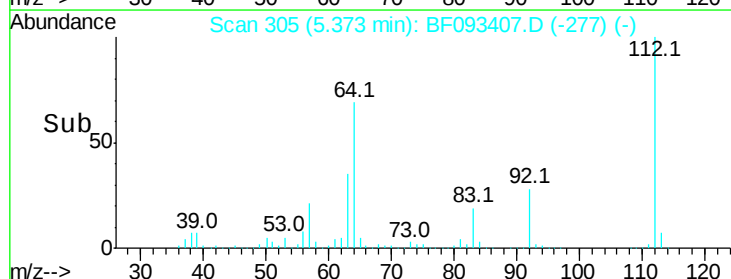
63 34.6 23.8 35.6

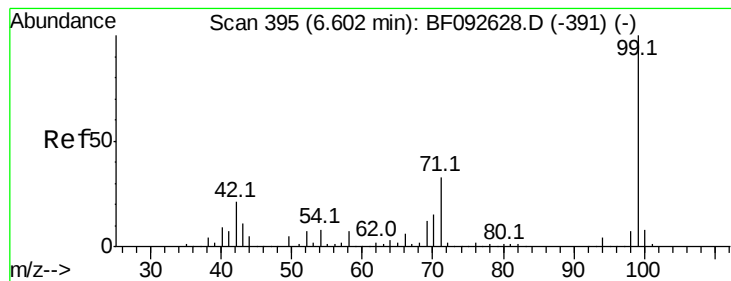


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 150.50 ng

RT: 6.44 min Scan# 398

Delta R.T. 0.01 min

Lab File: BF093407.D

Acq: 6 Mar 2017 18:13

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-004-B

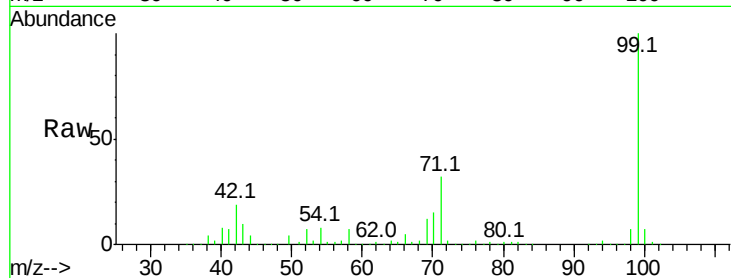
Tot Ion: 99 Resp: 2216700

Ion Ratio Lower Upper

99 100

42 18.9 15.6 23.4

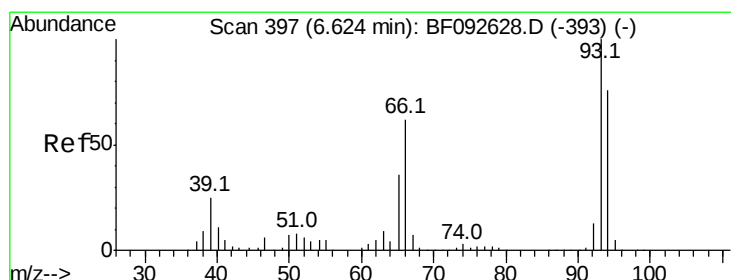
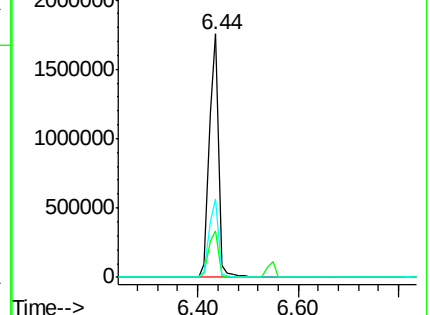
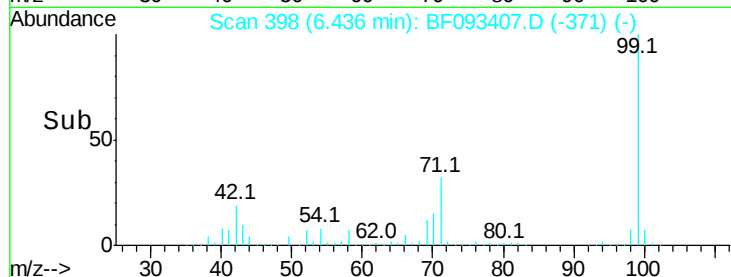
71 32.1 27.5 41.3



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: 7.79 ng

RT: 6.45 min Scan# 399

Delta R.T. 0.01 min

Lab File: BF093407.D

Acq: 6 Mar 2017 18:13

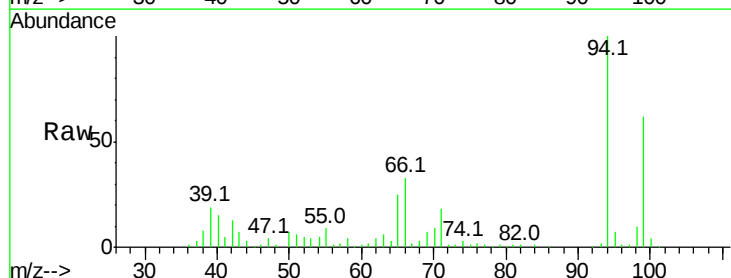
Tgt Ion: 94 Resp: 134202

Ion Ratio Lower Upper

94 100

65 24.7 21.4 61.4

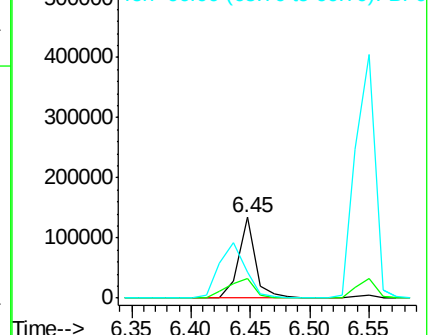
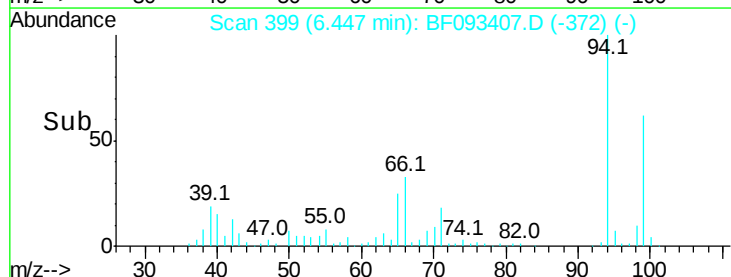
66 33.1 44.0 84.0#

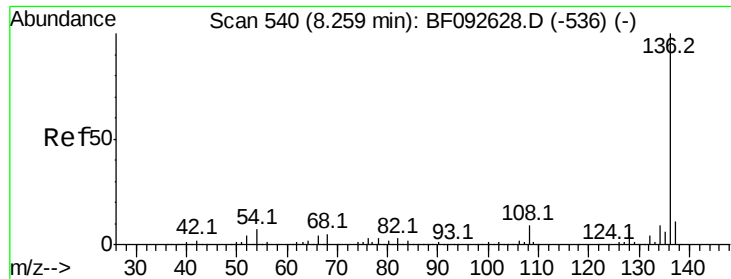


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

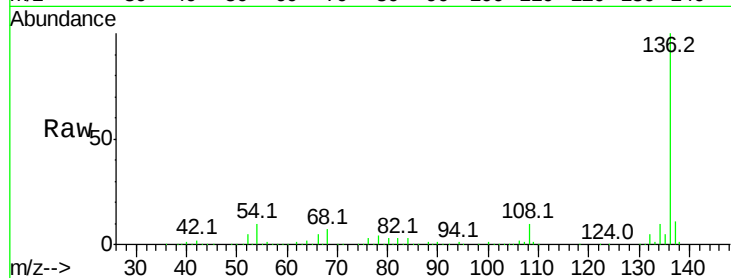




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF093407.D
Acq: 6 Mar 2017 18:13

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

Tot Ion:	136	Resp:	769571
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	9.8	4.5	6.7#
68	6.9	3.6	5.4#

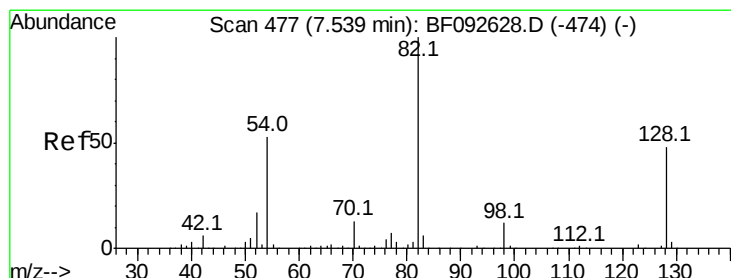
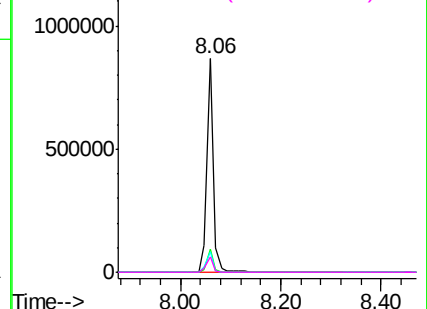
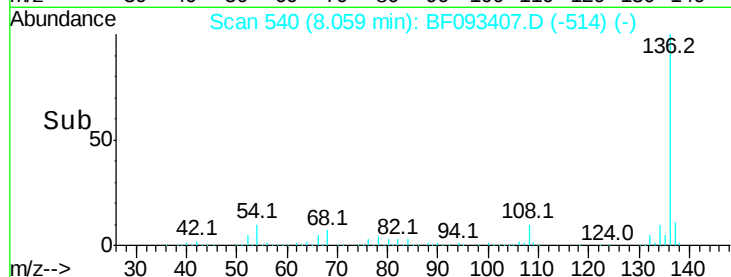


Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

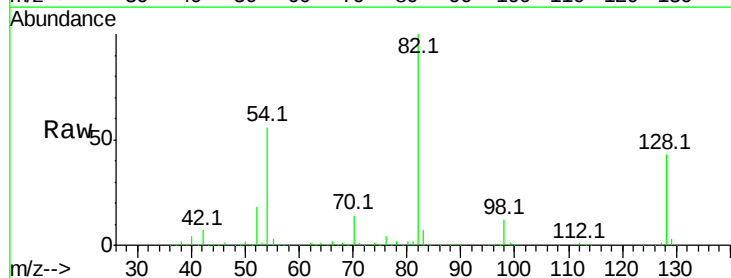
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23
Nitrobenzene-d5
Concen: 102.32 ng
RT: 7.35 min Scan# 478
Delta R.T. 0.01 min
Lab File: BF093407.D
Acq: 6 Mar 2017 18:13

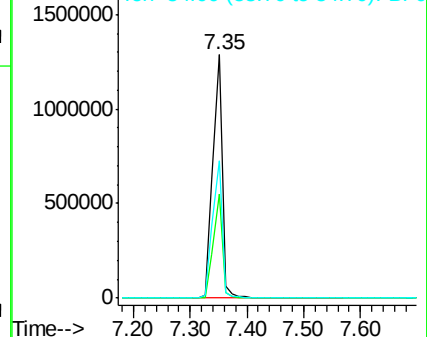
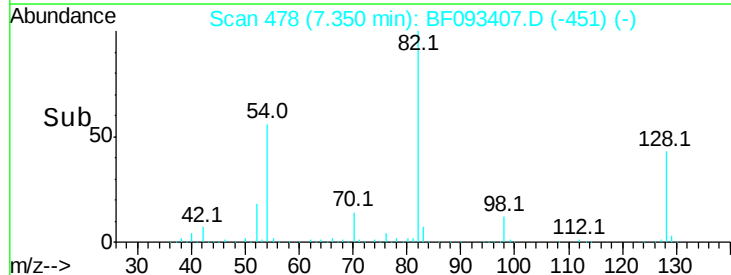
Tgt Ion:	82	Resp:	1413962
Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.6	52.0
54	56.3	39.5	59.3

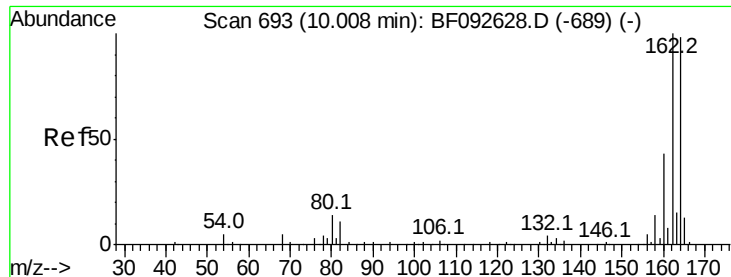


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): BF0

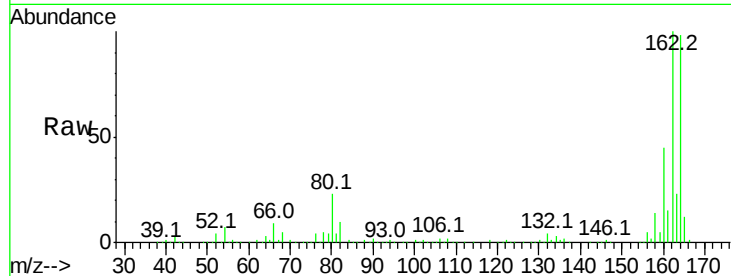




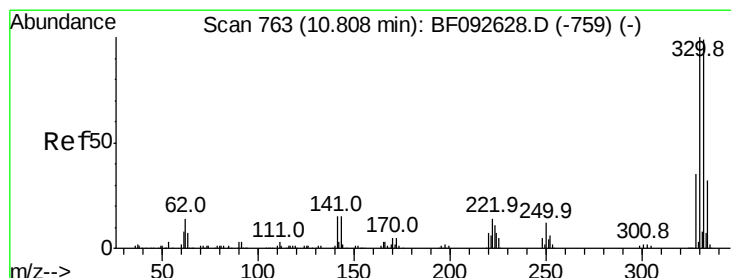
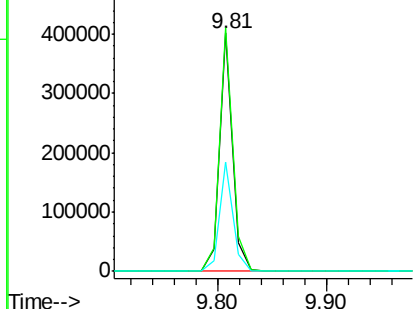
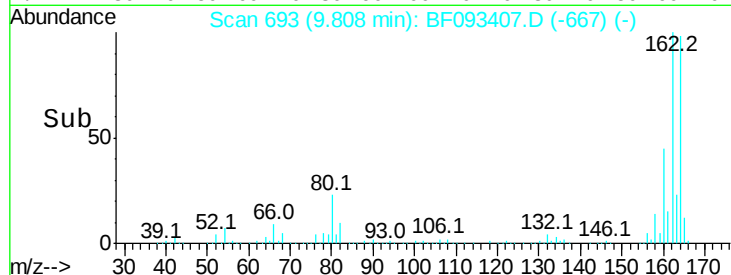
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: BF093407.D
 Acq: 6 Mar 2017 18:13

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

Tot Ion:164 Resp: 339565
 Ion Ratio Lower Upper
 164 100
 162 102.1 80.2 120.2
 160 45.6 36.9 55.3

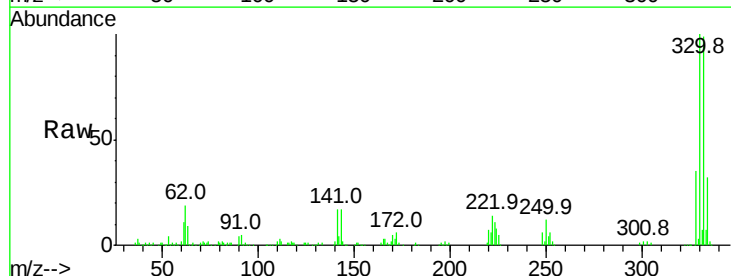


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

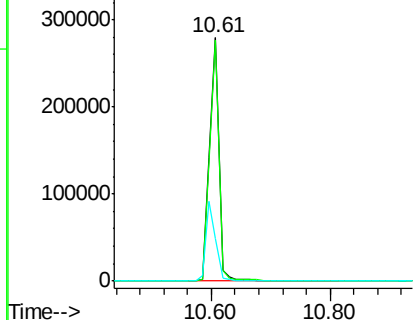
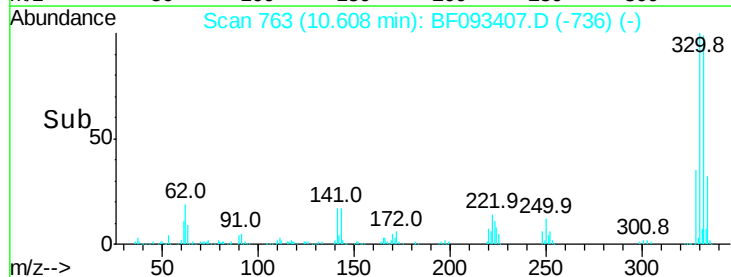


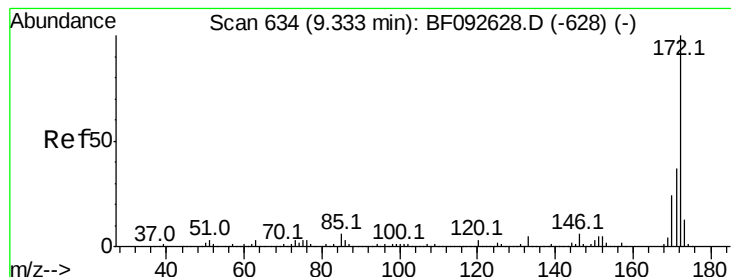
#41
 2,4,6-Tribromophenol
 Concen: 126.00 ng
 RT: 10.61 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BF093407.D
 Acq: 6 Mar 2017 18:13

Tgt Ion:330 Resp: 309446
 Ion Ratio Lower Upper
 330 100
 332 97.7 77.4 116.2
 141 34.3 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: 95.81 ng

RT: 9.13 min Scan# 634

Delta R.T. -0.01 min

Lab File: BF093407.D

Acq: 6 Mar 2017 18:13

Instrument :

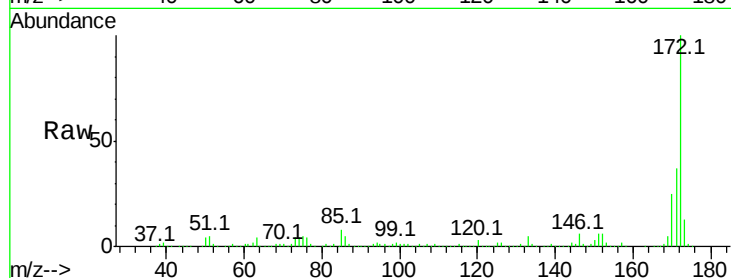
BNA_F

ClientSampleId :

FK-GF-02-004-B

Tot Ion:172 Resp: 1795815

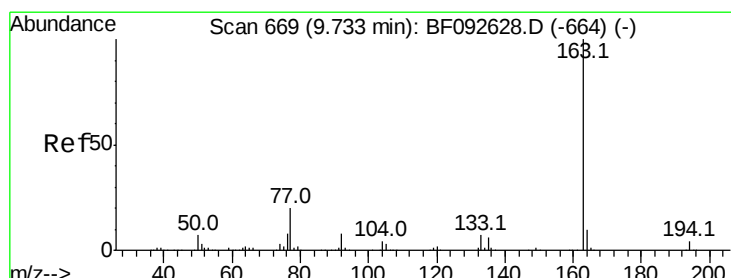
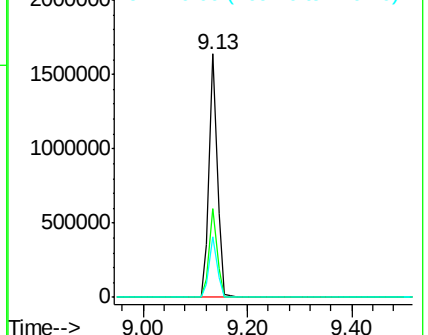
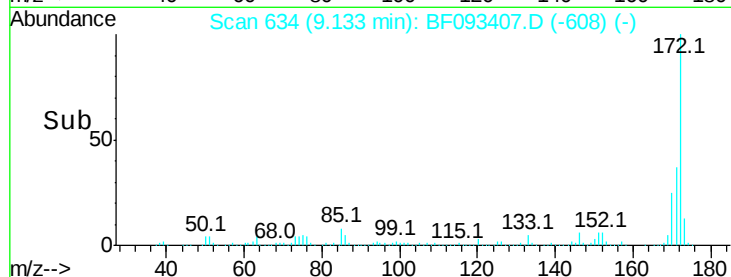
Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	24.6	20.2	30.4



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: 7.52 ng

RT: 9.53 min Scan# 669

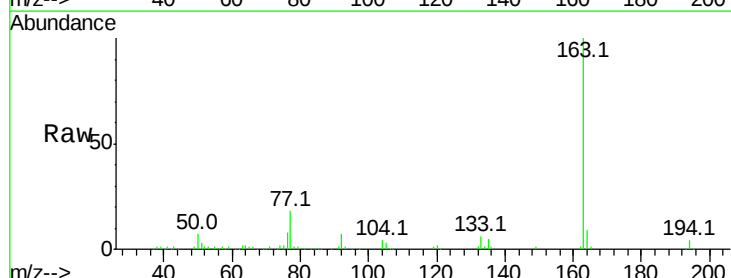
Delta R.T. -0.01 min

Lab File: BF093407.D

Acq: 6 Mar 2017 18:13

Tgt Ion:163 Resp: 172015

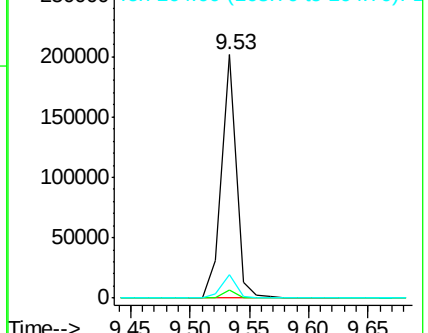
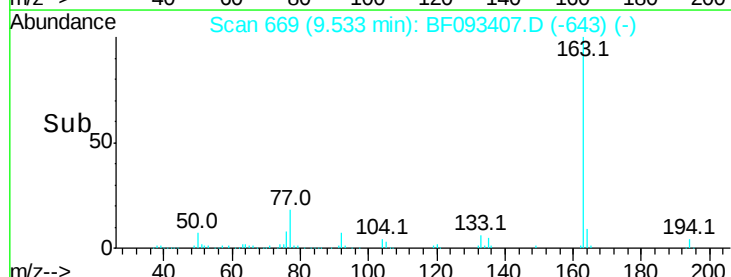
Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.4
164	9.4	8.0	12.0

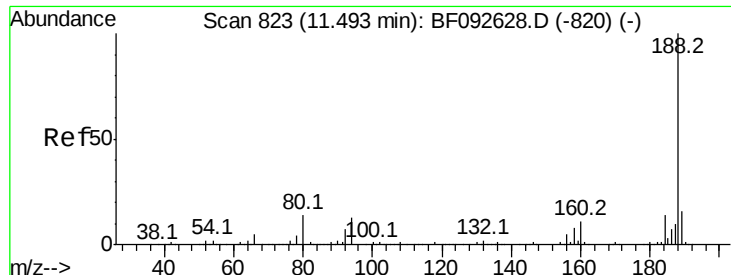


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

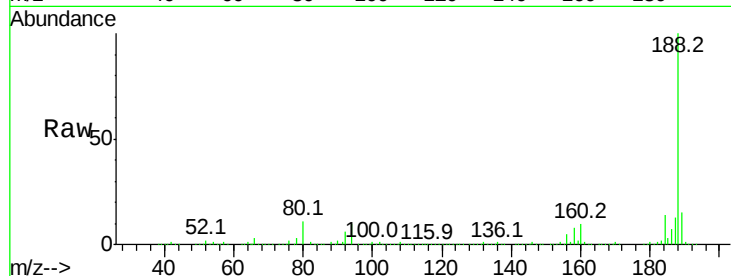




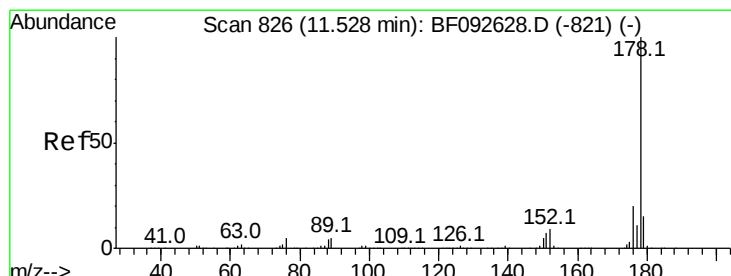
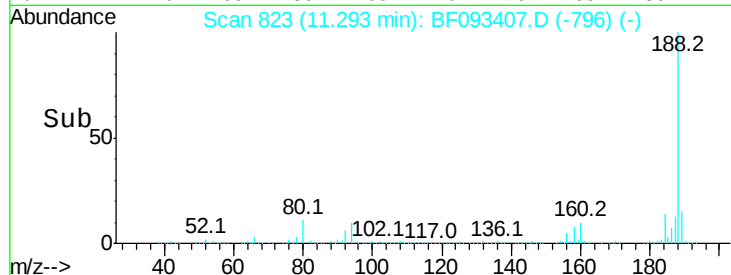
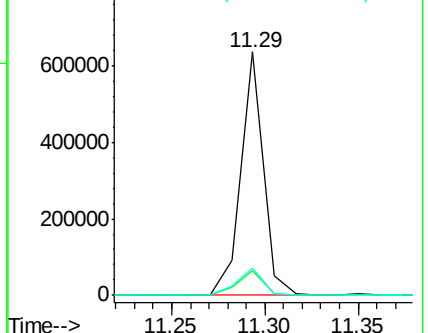
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 823
Delta R.T. 0.01 min
Lab File: BF093407.D
Acq: 6 Mar 2017 18:13

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

Tot Ion:188 Resp: 540357
Ion Ratio Lower Upper
188 100
94 10.4 10.0 15.0
80 11.1 11.2 16.8#

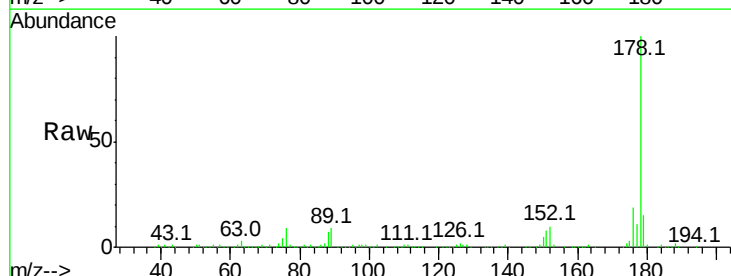


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

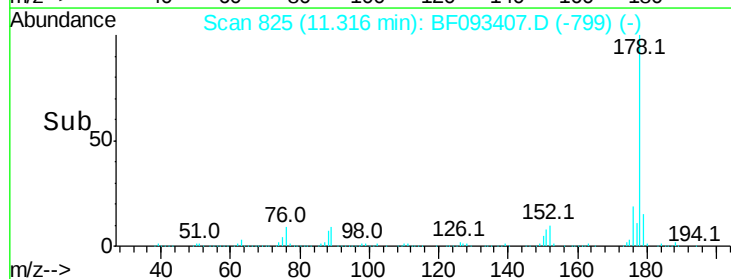
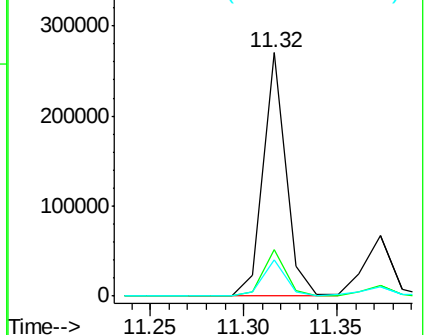


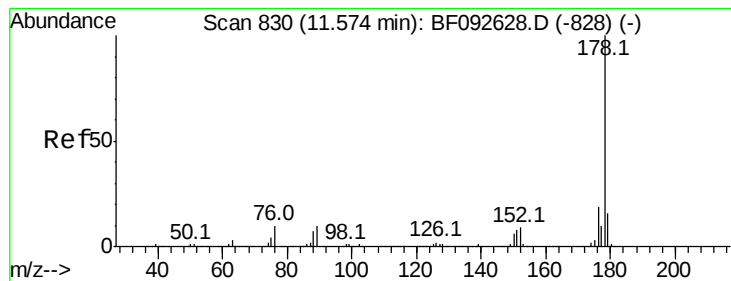
#70
Phenanthrene
Concen: 7.33 ng
RT: 11.32 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF093407.D
Acq: 6 Mar 2017 18:13

Tgt Ion:178 Resp: 227050
Ion Ratio Lower Upper
178 100
176 19.0 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: 2.29 ng

RT: 11.37 min Scan# 830

Delta R.T. 0.01 min

Lab File: BF093407.D

Acq: 6 Mar 2017 18:13

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-004-B

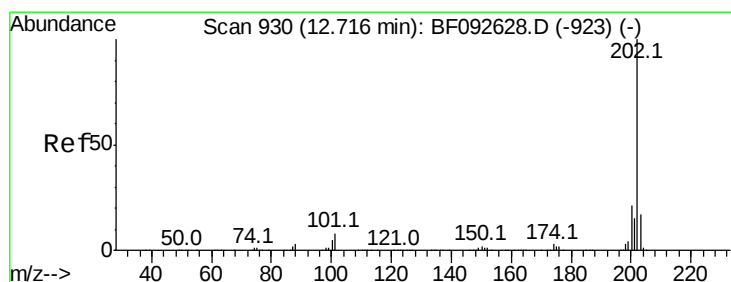
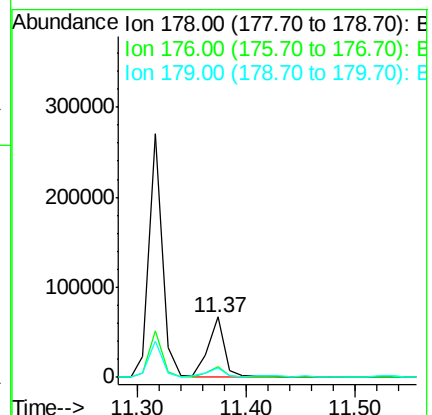
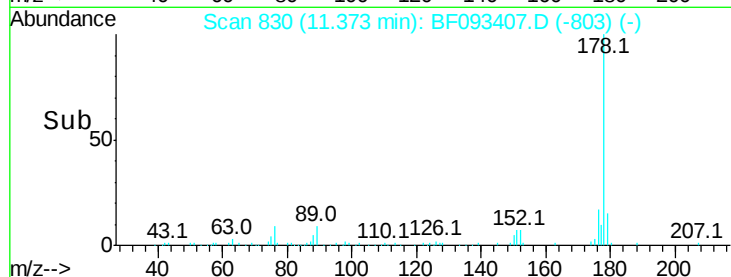
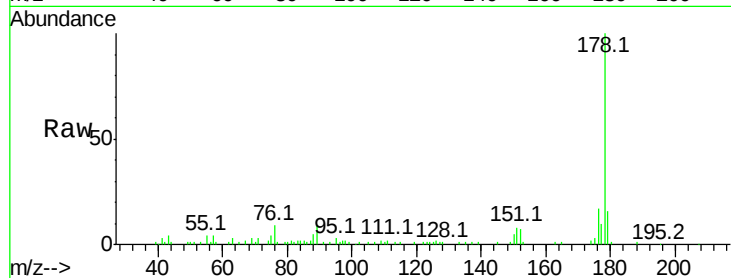
Tot Ion:178 Resp: 71281

Ion Ratio Lower Upper

178 100

176 16.7 15.9 23.9

179 15.7 13.2 19.8



#74

Fluoranthene

Concen: 11.97 ng

RT: 12.50 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF093407.D

Acq: 6 Mar 2017 18:13

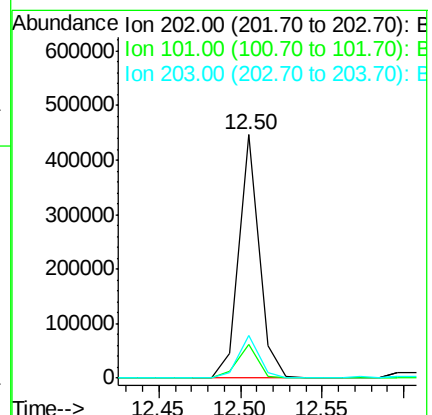
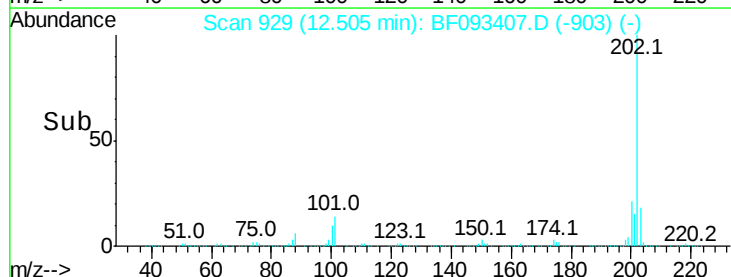
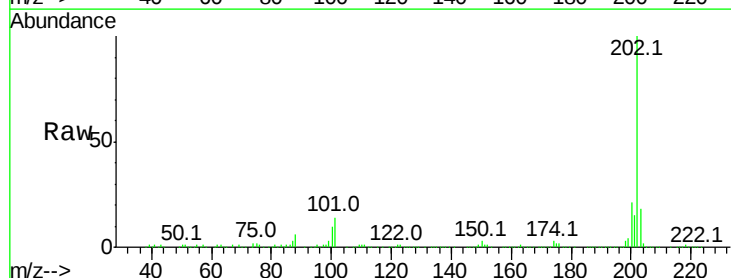
Tgt Ion:202 Resp: 382110

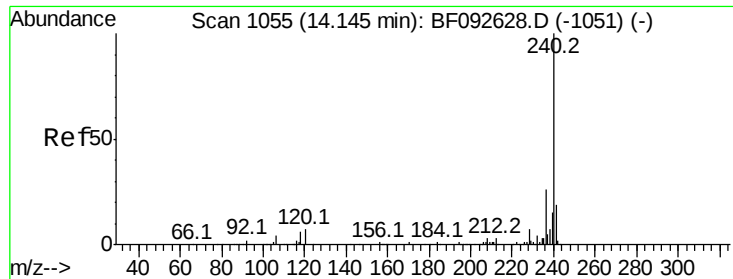
Ion Ratio Lower Upper

202 100

101 13.7 0.0 34.6

203 17.7 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1054

Delta R.T. -0.01 min

Lab File: BF093407.D

Acq: 6 Mar 2017 18:13

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-004-B

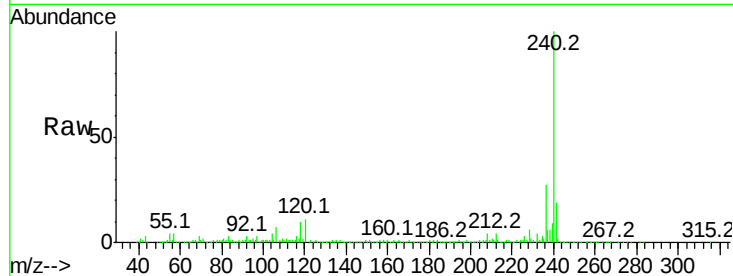
Tot Ion:240 Resp: 408833

Ion Ratio Lower Upper

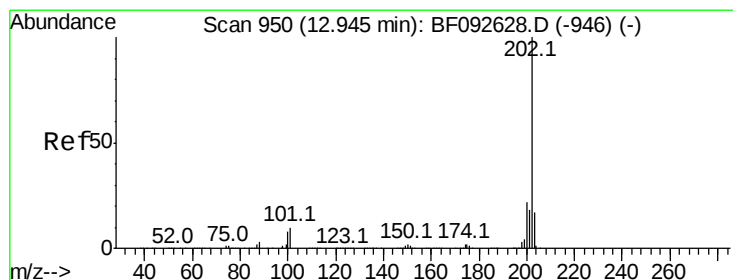
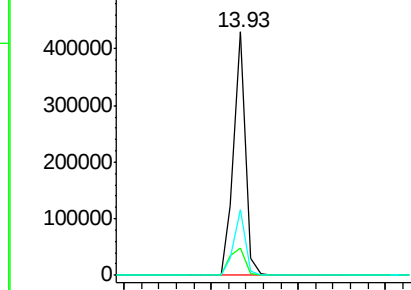
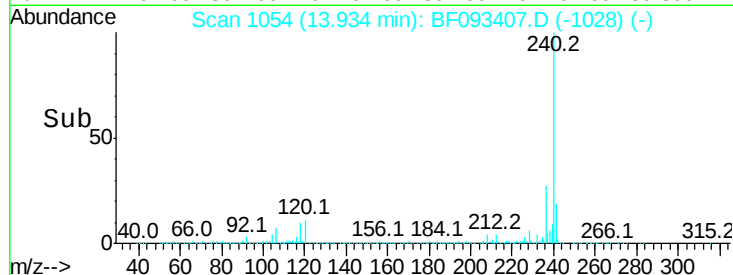
240 100

120 11.0 12.9 19.3#

236 26.9 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: 12.99 ng

RT: 12.73 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF093407.D

Acq: 6 Mar 2017 18:13

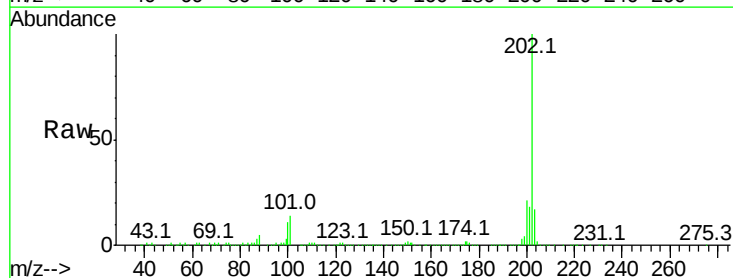
Tgt Ion:202 Resp: 397525

Ion Ratio Lower Upper

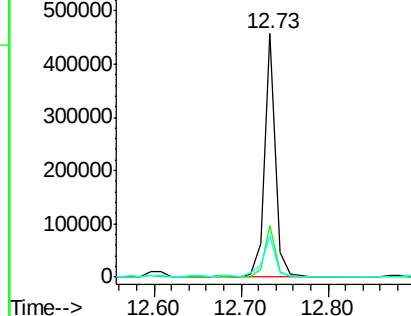
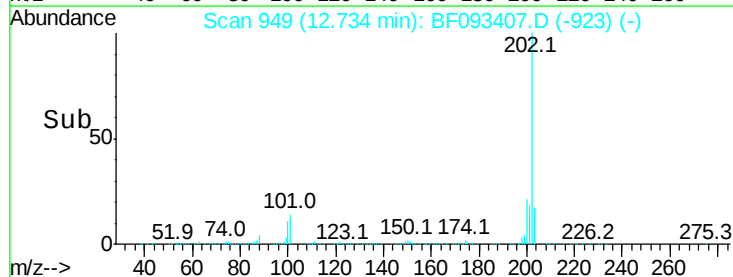
202 100

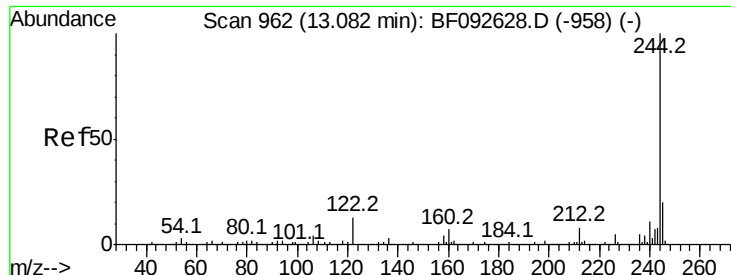
200 21.2 17.7 26.5

203 17.0 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

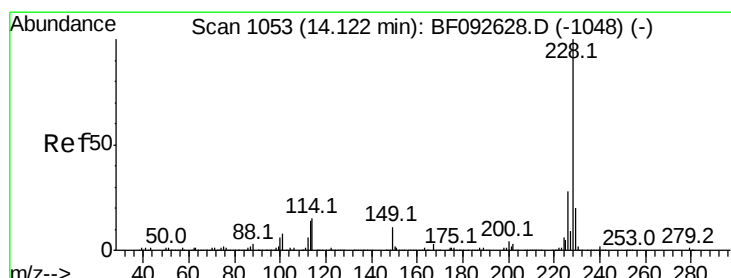
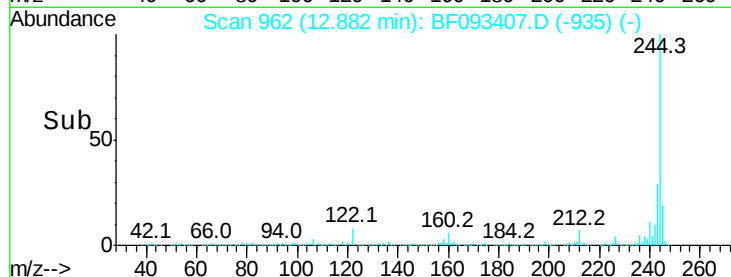
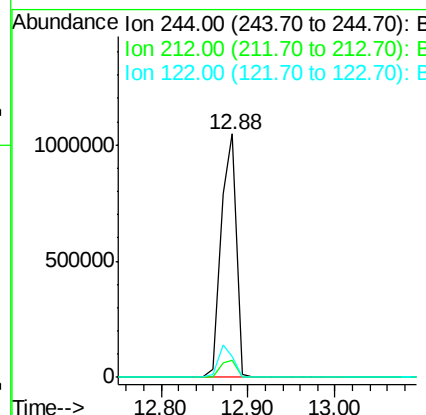
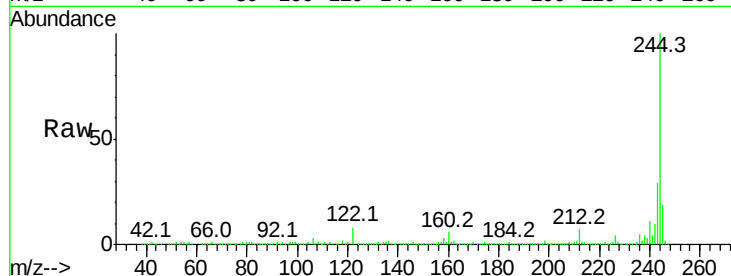




#78
 Terphenyl-d14
 Concen: 74.84 ng
 RT: 12.88 min Scan# 962
 Delta R.T. 0.01 min
 Lab File: BF093407.D
 Acq: 6 Mar 2017 18:13

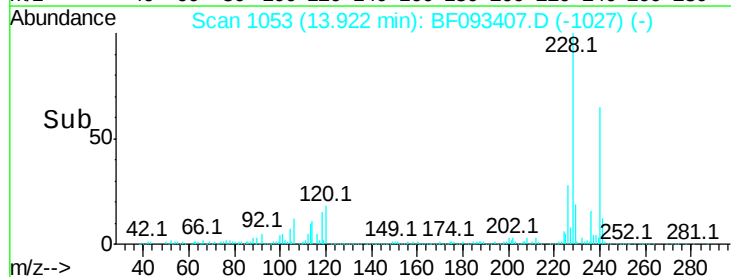
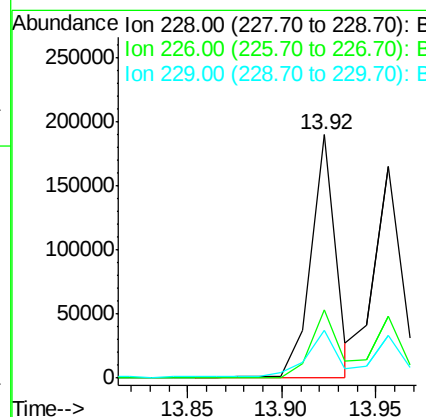
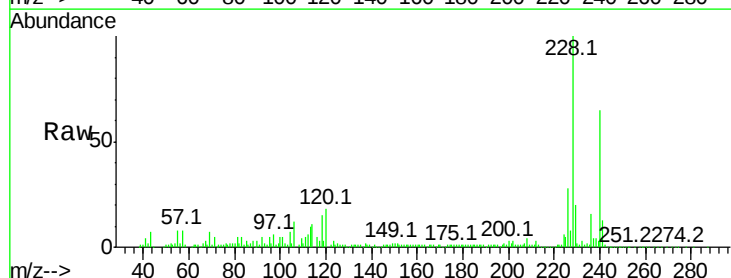
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-004-B

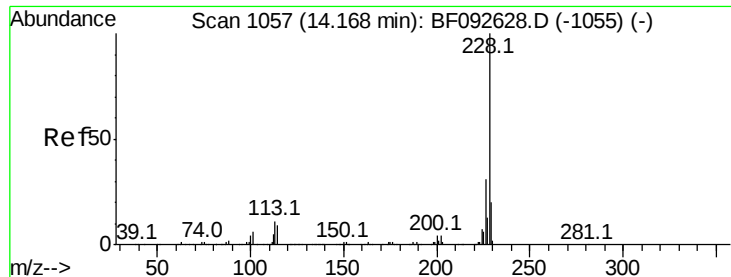
Tot Ion:244 Resp: 1302161
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.2 9.2
 122 8.4 11.4 17.2#



#80
 Benzo(a)anthracene
 Concen: 7.11 ng m
 RT: 13.92 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: BF093407.D
 Acq: 6 Mar 2017 18:13

Tgt Ion:228 Resp: 177749
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.4 33.6
 229 19.8 16.2 24.4





#82

Chrysene

Concen: 7.19 ng/mL

RT: 13.96 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF093407.D

Acq: 6 Mar 2017 18:13

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-004-B

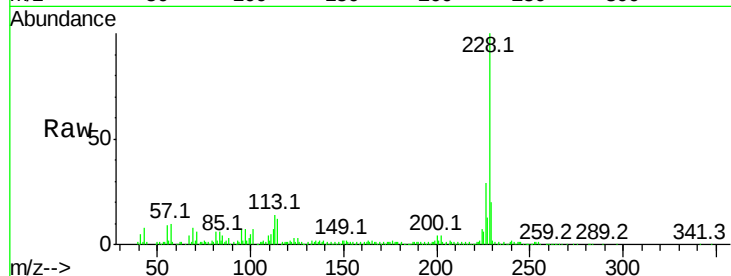
Tot Ion:228 Resp: 168308

Ion Ratio Lower Upper

228 100

226 29.4 25.4 38.0

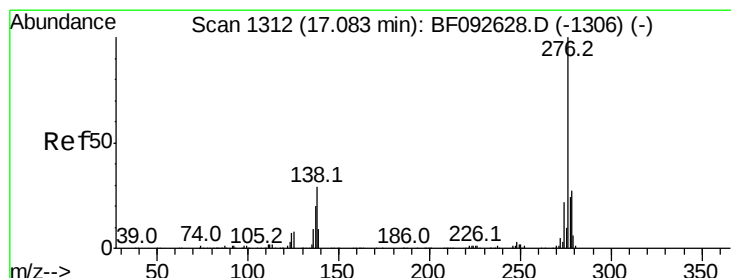
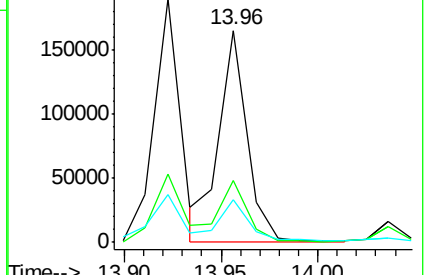
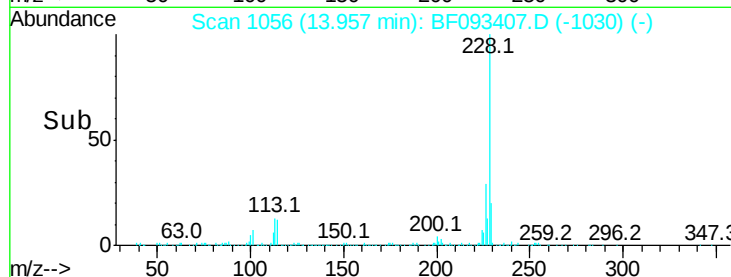
229 20.2 16.2 24.2



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.87 ng/mL

RT: 16.72 min Scan# 1298

Delta R.T. 0.01 min

Lab File: BF093407.D

Acq: 6 Mar 2017 18:13

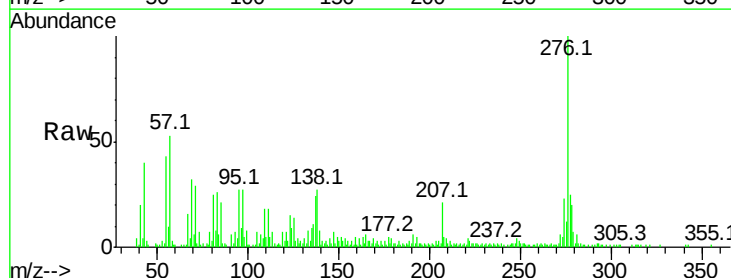
Tgt Ion:276 Resp: 88284

Ion Ratio Lower Upper

276 100

138 27.5 21.8 32.6

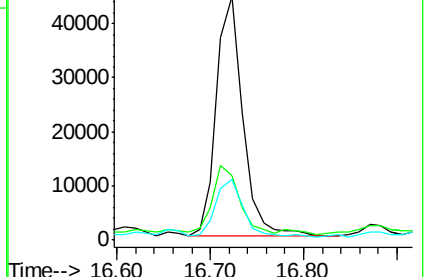
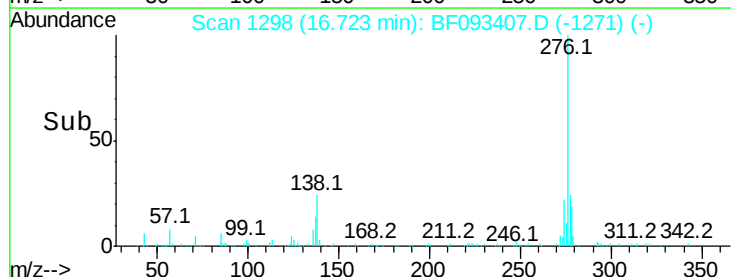
277 24.8 20.2 30.4

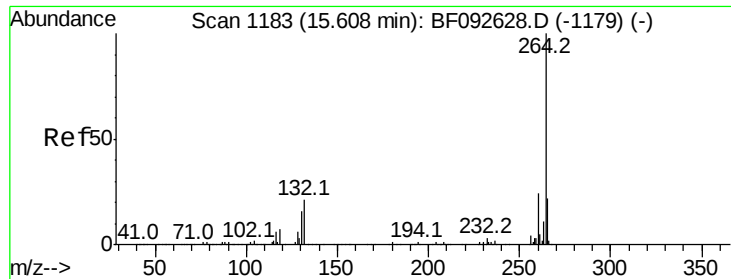


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

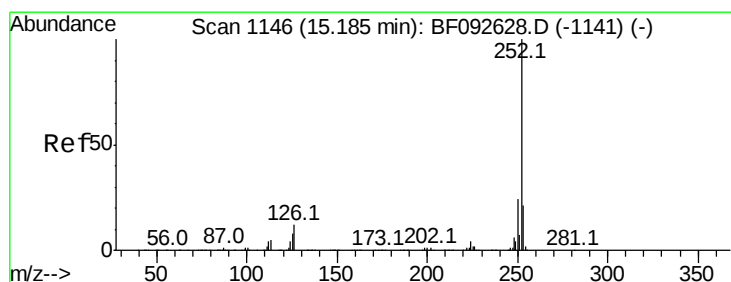
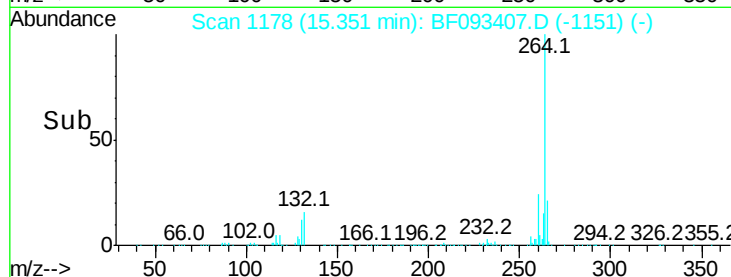
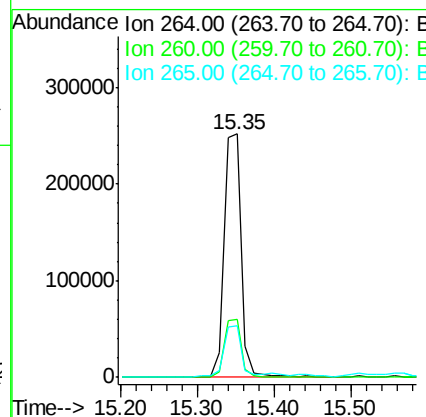
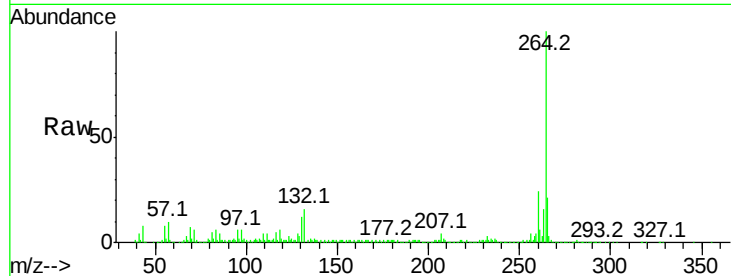




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1178
Delta R.T. 0.01 min
Lab File: BF093407.D
Acq: 6 Mar 2017 18:13

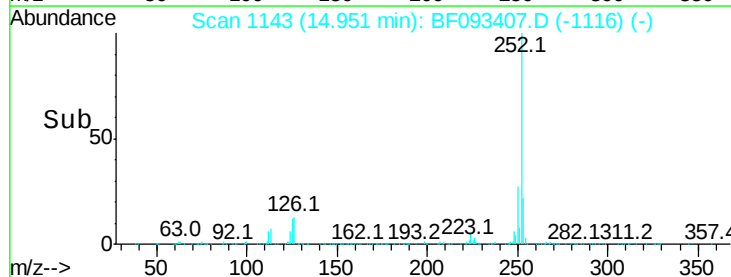
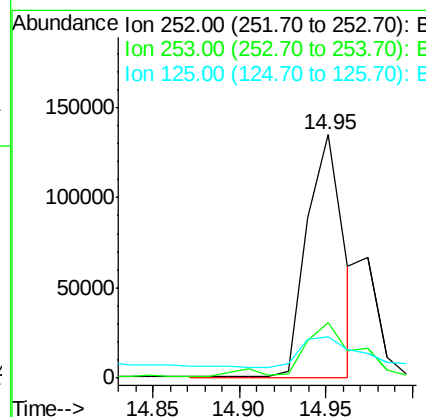
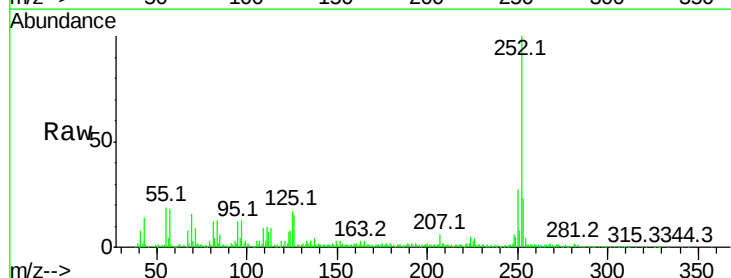
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-004-B

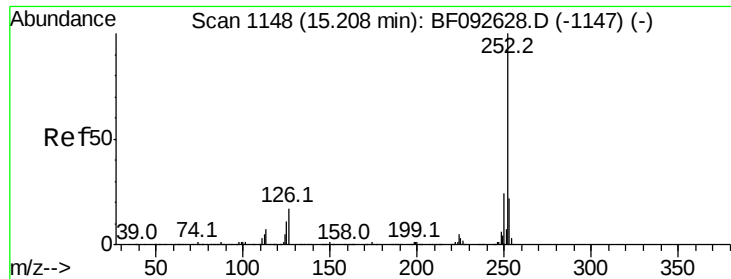
Tot Ion:264 Resp: 390234
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 21.2 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 7.84 ng m
RT: 14.95 min Scan# 1143
Delta R.T. 0.01 min
Lab File: BF093407.D
Acq: 6 Mar 2017 18:13

Tgt Ion:252 Resp: 201438
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.4
125 16.8 9.8 14.6#

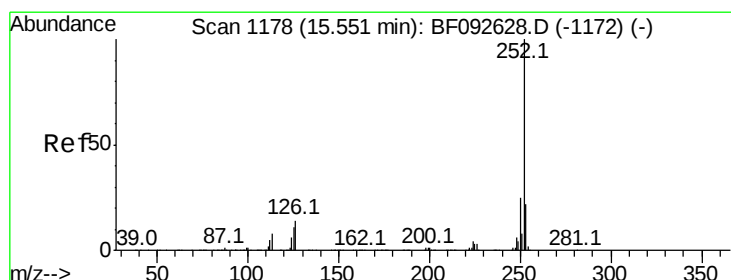
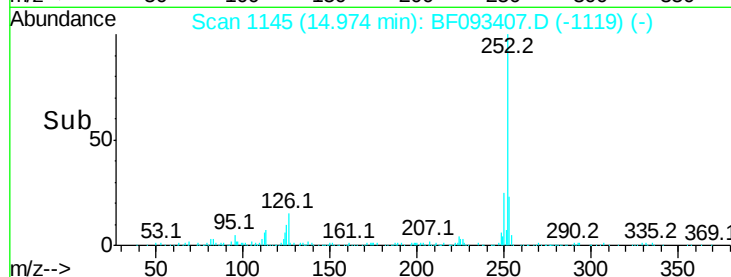
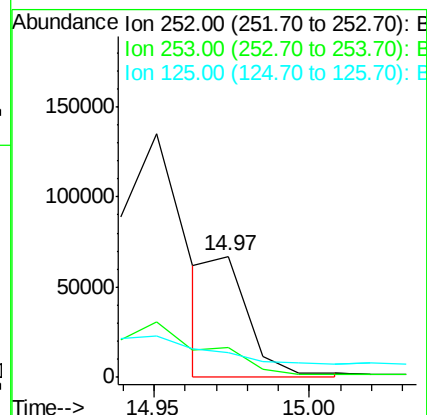
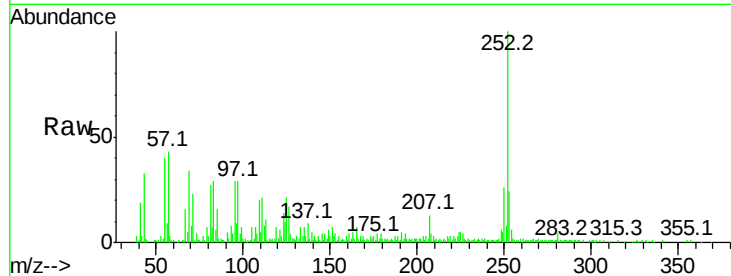




#88
Benzo(k)fluoranthene
Concen: 2.57 ng/ml
RT: 14.97 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BF093407.D
Acq: 6 Mar 2017 18:13

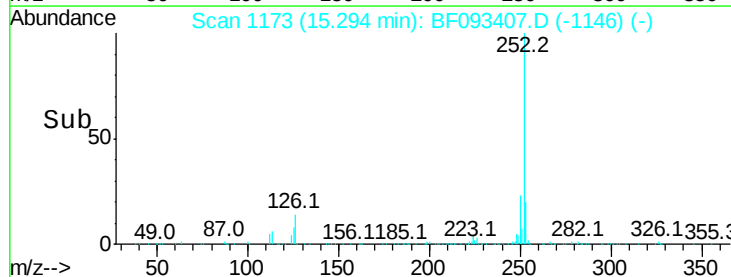
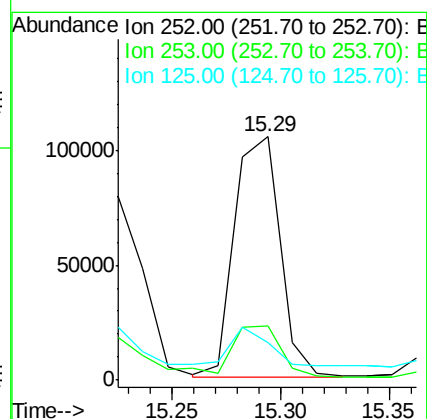
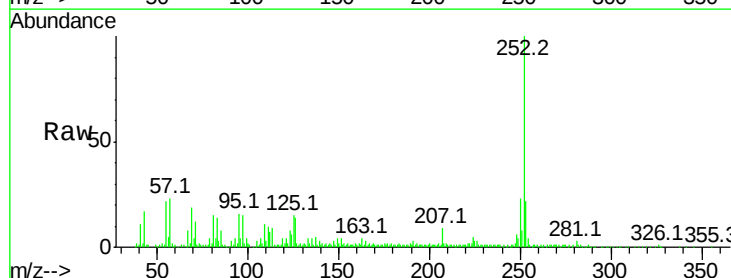
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-004-B

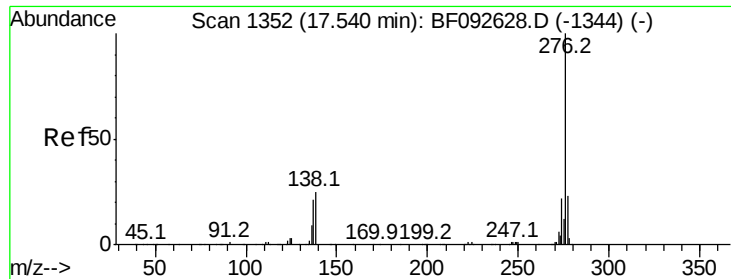
Tot Ion:252 Resp: 57014
Ion Ratio Lower Upper
252 100
253 24.3 18.5 27.7
125 20.7 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 6.89 ng/ml
RT: 15.29 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BF093407.D
Acq: 6 Mar 2017 18:13

Tgt Ion:252 Resp: 153155
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 15.4 10.0 15.0#





#91
 Benzo(a,h,i)perylene
 Concen: 4.36 ng
 RT: 17.13 min Scan# 1334
 Delta R.T. 0.01 min
 Lab File: BF093407.D
 Acq: 6 Mar 2017 18:13

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

Tot Ion: 276 Resp: 79083
 Ion Ratio Lower Upper
 276 100
 277 24.9 19.2 28.8
 138 29.1 16.0 24.0#

