

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
 Data File : BF075604.D
 Acq On : 17 Nov 2014 2:46
 Operator : TP / JJ
 Sample : F4756-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-008-A

Quant Time: Nov 17 06:11:34 2014
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 17 05:54:27 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	27100	20.00	ng	0.00
21) Naphthalene-d8	9.13	136	115545	20.00	ng	0.00
38) Acenaphthene-d10	11.32	164	63345	20.00	ng	0.00
63) Phenanthrene-d10	13.17	188	103563	20.00	ng	0.00
75) Chrysene-d12	16.46	240	112147	20.00	ng	-0.01
86) Perylene-d12	18.19	264	109111	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.85	112	212852	138.76	ng	0.00
7) Phenol-d6	7.11	99	273489	148.26	ng	0.00
23) Nitrobenzene-d5	8.24	82	150568	95.54	ng	0.00
41) 2,4,6-Tribromophenol	12.30	330	66335	125.03	ng	0.00
44) 2-Fluorobiphenyl	10.48	172	280072	79.89	ng	0.00
78) Terphenyl-d14	15.16	244	283103	67.96	ng	0.00

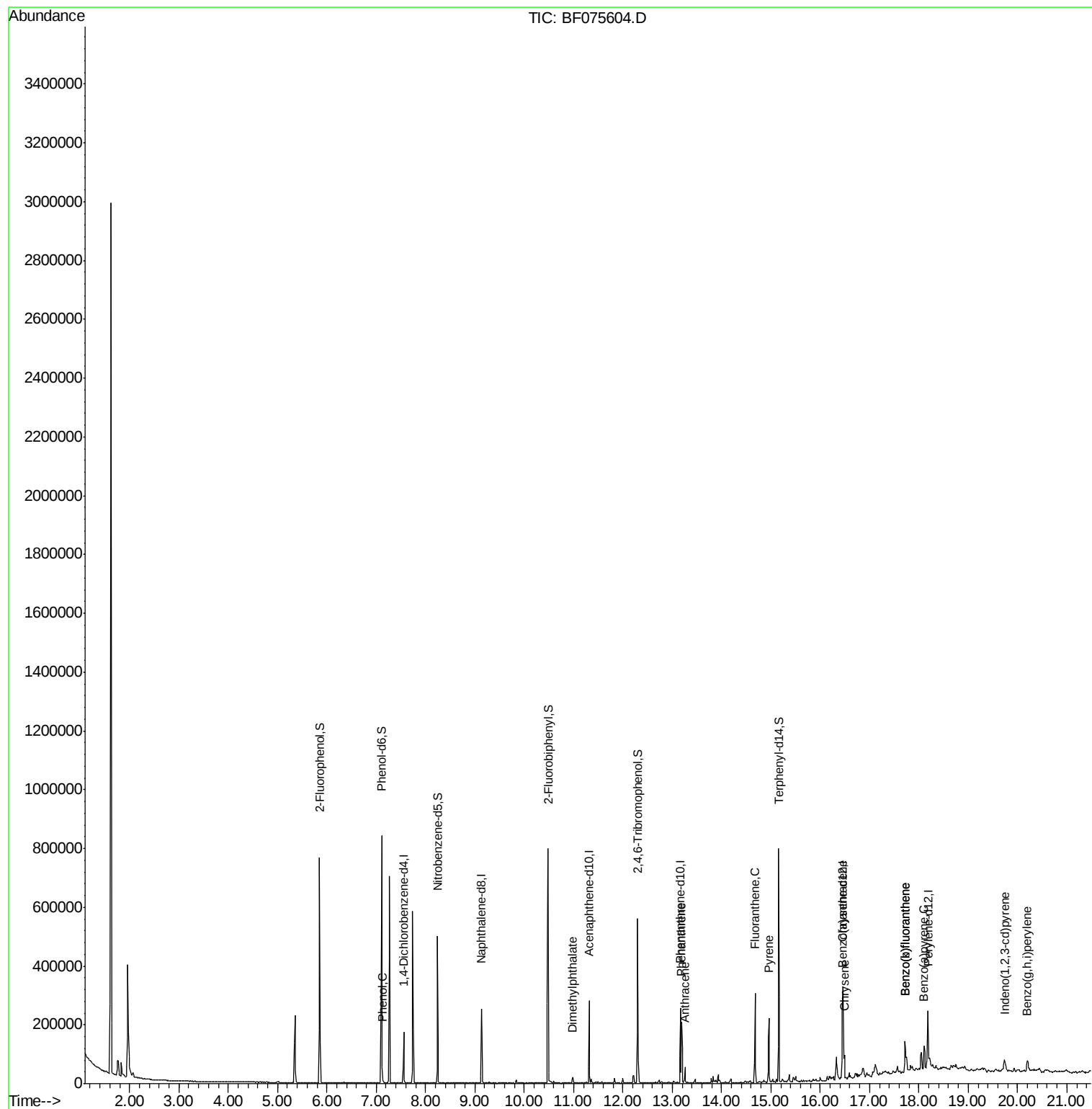
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.12	94	4513	2.01	ng	94
49) Dimethylphthalate	10.98	163	11909	2.75	ng	98
70) Phenanthrene	13.19	178	101787	18.68	ng	98
71) Anthracene	13.26	178	22705	4.03	ng	98
74) Fluoranthene	14.68	202	130843	22.41	ng	93
77) Pyrene	14.96	202	110201	16.90	ng	98
80) Benzo(a)anthracene	16.45	228	56784	9.64	ng	97
82) Chrysene	16.49	228	39863	7.82	ng	96
85) Indeno(1,2,3-cd)pyrene	19.74	276	23602	3.82	ng	# 100
87) Benzo(b)fluoranthene	17.72	252	78177	13.40	ng	98
88) Benzo(k)fluoranthene	17.72	252	78855	15.06	ng	99
89) Benzo(a)pyrene	18.11	252	42033	8.05	ng	98
91) Benzo(g,h,i)perylene	20.20	276	28261	5.44	ng	99

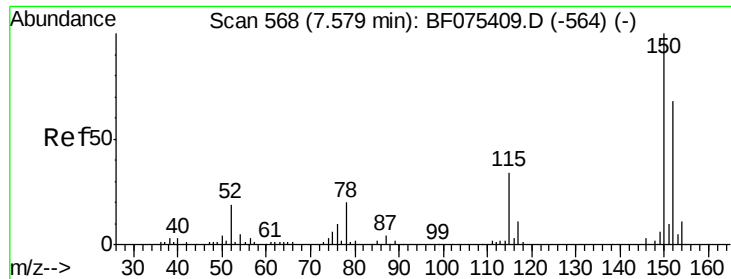
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Nov 17 05:54:27 2014
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 566

Delta R.T. 0.00 min

Lab File: BF075604.D

Acq: 17 Nov 2014 2:46

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-008-A

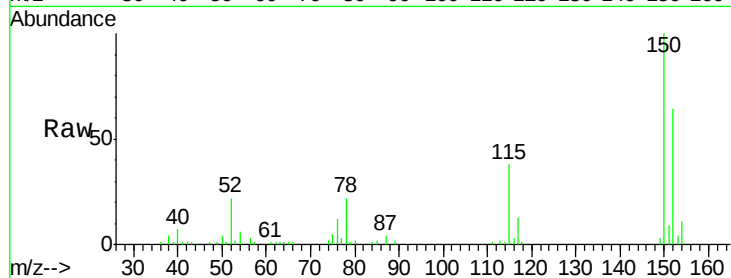
Tgt Ion:152 Resp: 27100

Ion Ratio Lower Upper

152 100

150 156.3 127.2 190.8

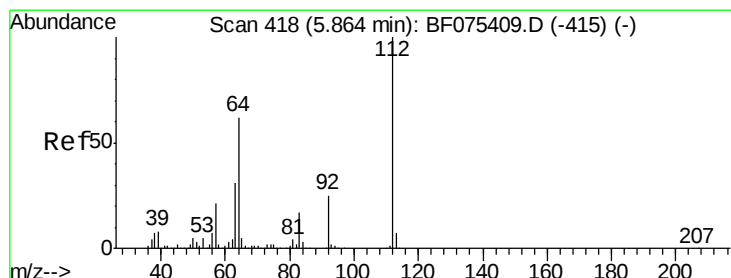
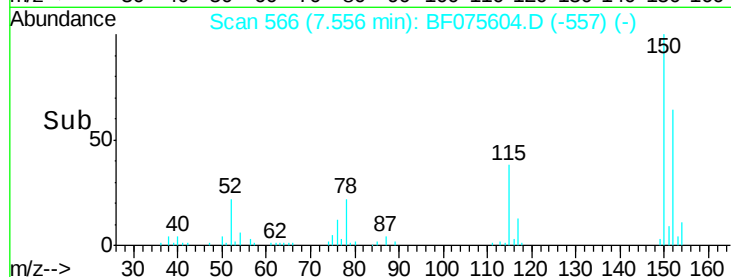
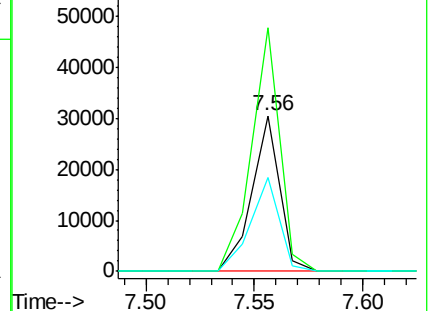
115 59.9 57.1 85.7



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: 138.76 ng

RT: 5.85 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF075604.D

Acq: 17 Nov 2014 2:46

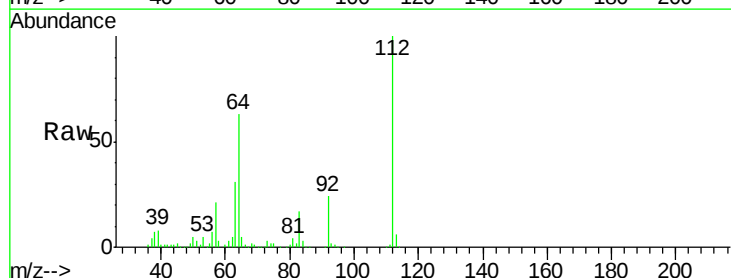
Tgt Ion:112 Resp: 212852

Ion Ratio Lower Upper

112 100

64 62.7 45.8 68.6

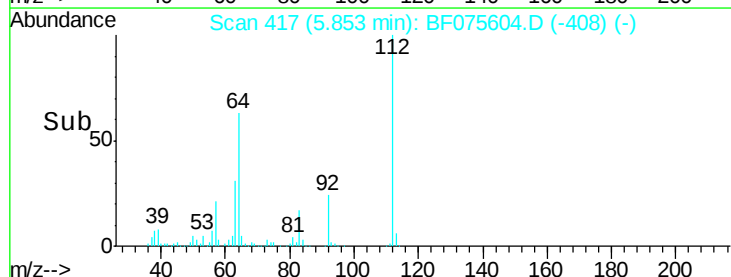
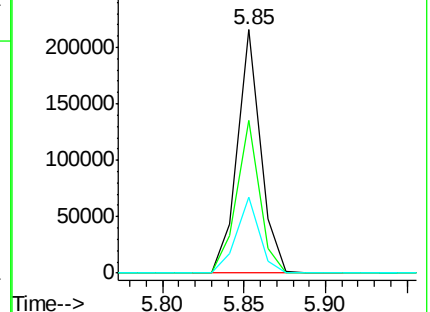
63 31.2 22.7 34.1

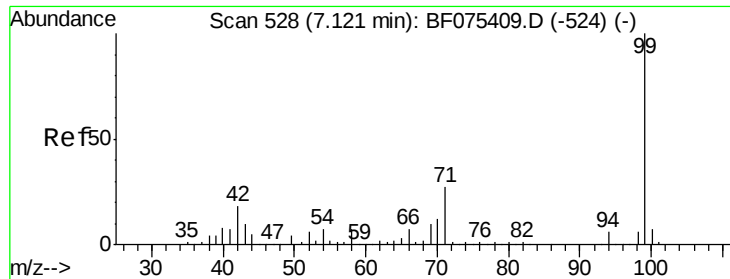


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 148.26 ng

RT: 7.11 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF075604.D

Acq: 17 Nov 2014 2:46

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-008-A

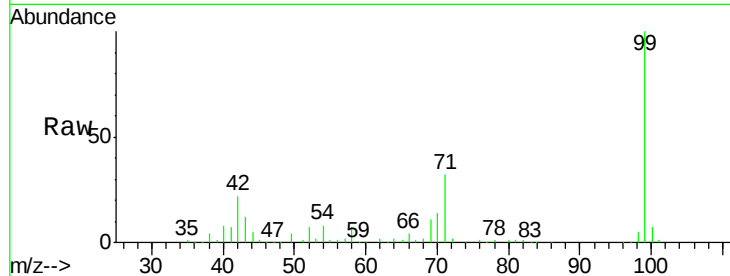
Tgt Ion: 99 Resp: 273489

Ion Ratio Lower Upper

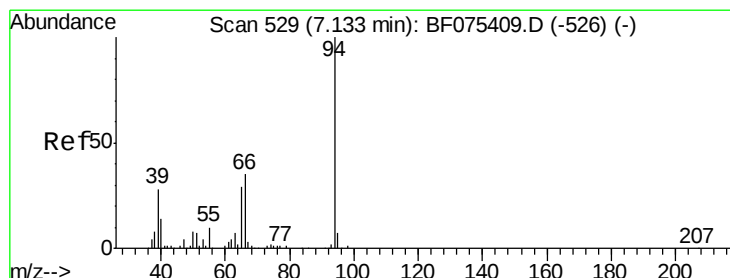
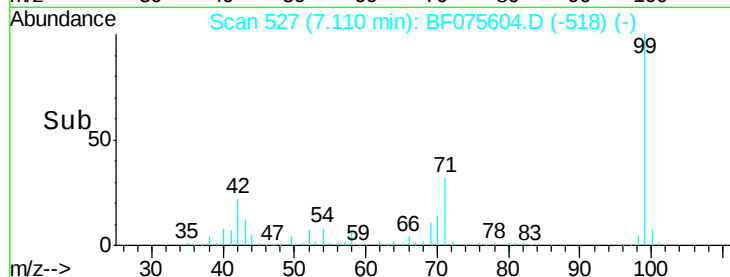
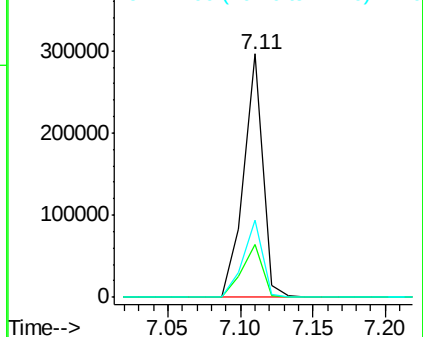
99 100

42 22.0 19.8 29.6

71 31.8 25.5 38.3



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: 2.01 ng

RT: 7.12 min Scan# 528

Delta R.T. 0.00 min

Lab File: BF075604.D

Acq: 17 Nov 2014 2:46

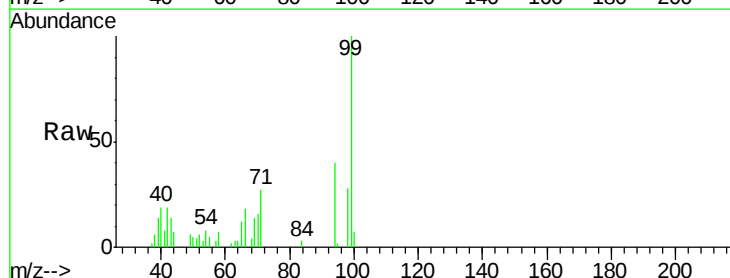
Tgt Ion: 94 Resp: 4513

Ion Ratio Lower Upper

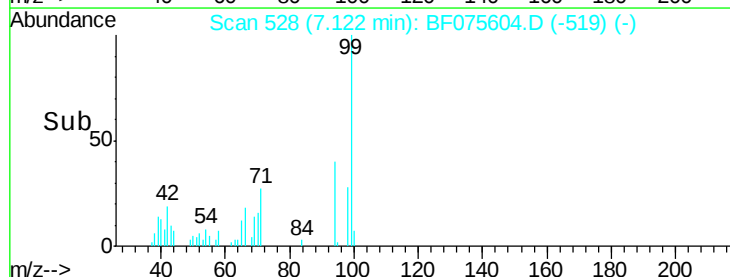
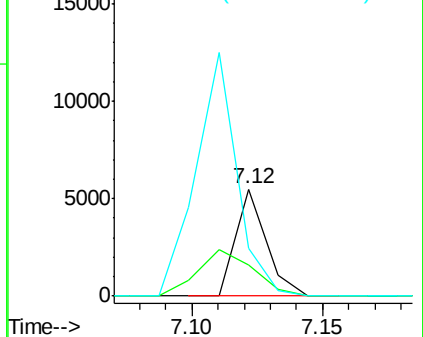
94 100

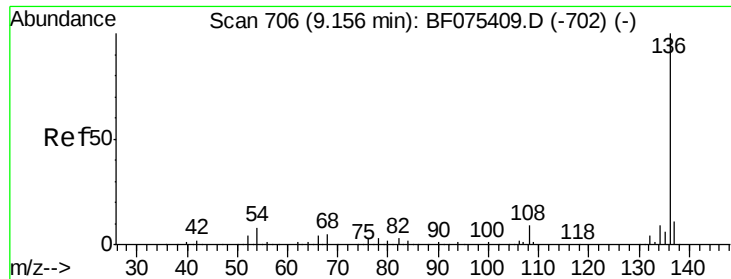
65 29.4 13.1 53.1

66 44.1 20.8 60.8



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

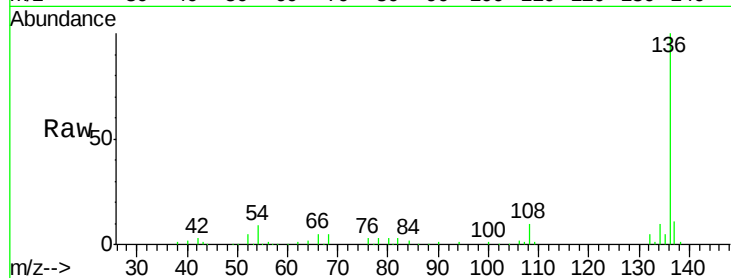




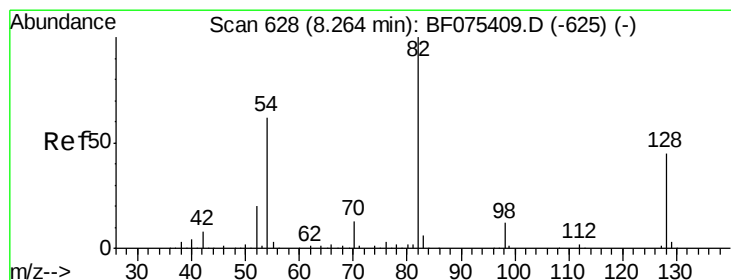
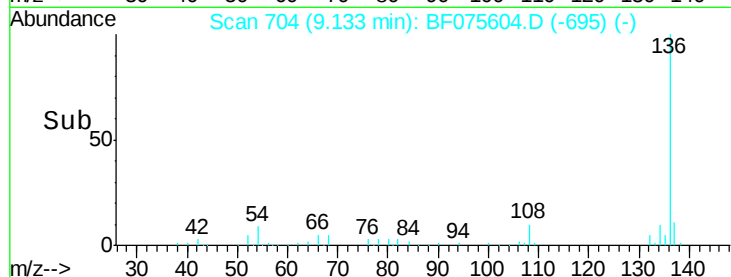
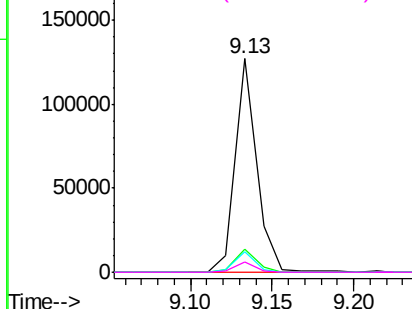
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.13 min Scan# 704
Delta R.T. 0.00 min
Lab File: BF075604.D
Acq: 17 Nov 2014 2:46

Instrument :
BNA_F
ClientSampleId :
FK-GF-01-008-A

Tgt Ion:	136	Resp:	115545
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.2	12.4
54	9.4	6.2	9.4#
68	4.9	3.4	5.2

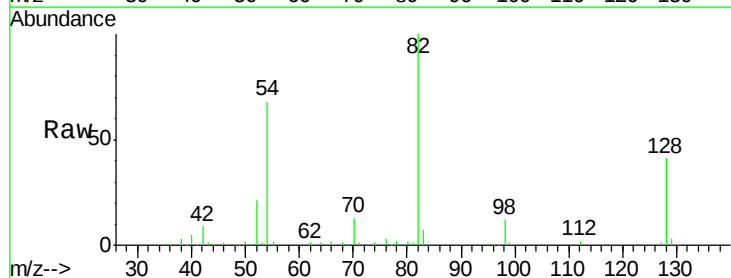


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

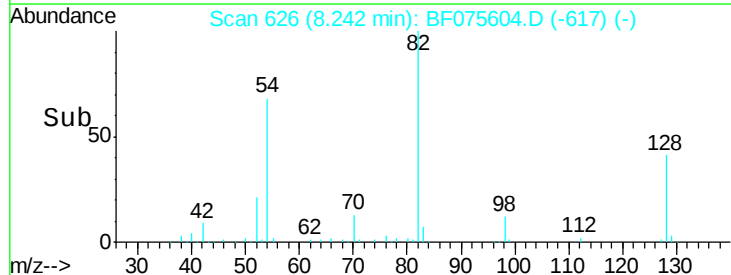
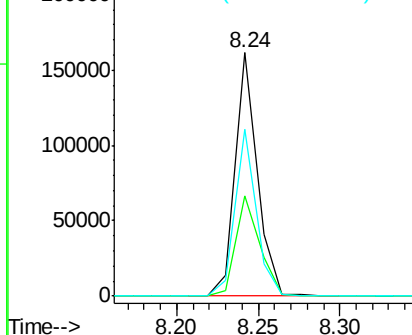


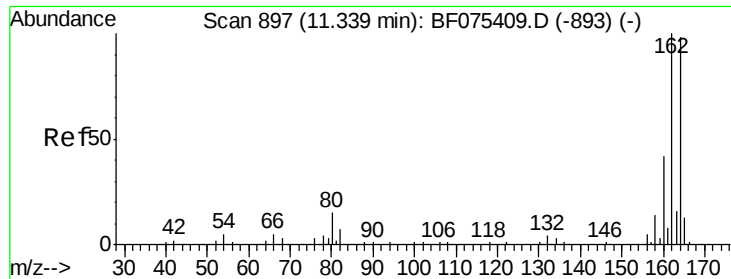
#23
Nitrobenzene-d5
Concen: 95.54 ng
RT: 8.24 min Scan# 626
Delta R.T. 0.00 min
Lab File: BF075604.D
Acq: 17 Nov 2014 2:46

Tgt Ion:	82	Resp:	150568
Ion	Ratio	Lower	Upper
82	100		
128	41.1	37.8	56.6
54	68.4	49.8	74.8



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 895

Delta R.T. 0.00 min

Lab File: BF075604.D

Acq: 17 Nov 2014 2:46

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-008-A

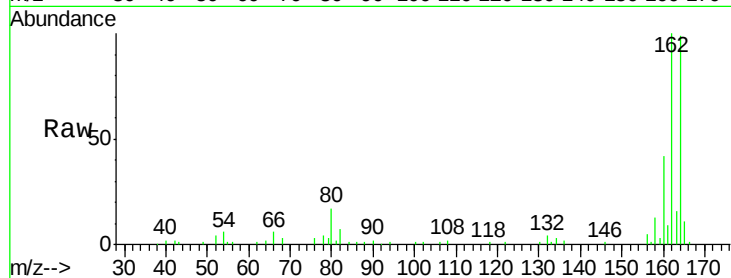
Tgt Ion:164 Resp: 63345

Ion Ratio Lower Upper

164 100

162 100.6 79.1 118.7

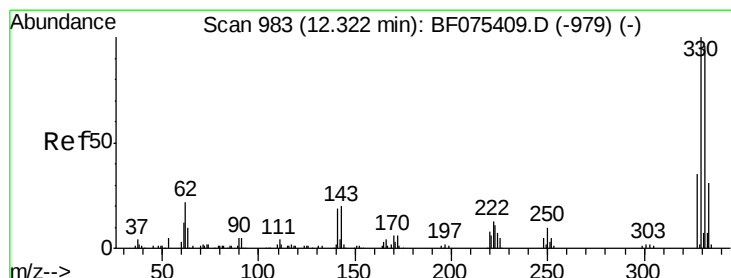
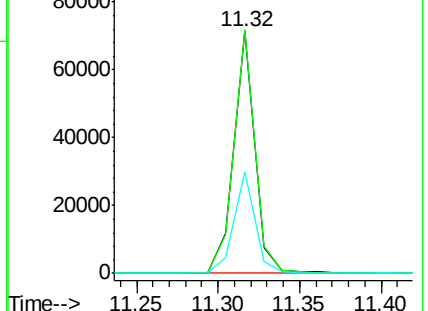
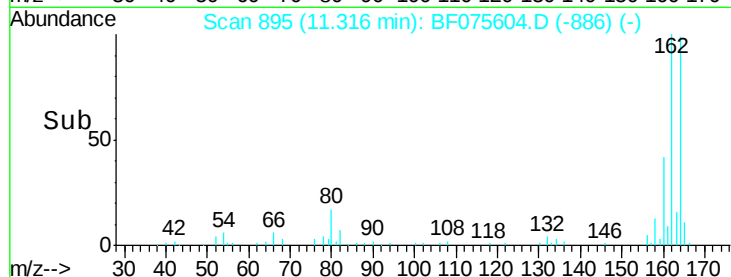
160 41.9 34.6 51.8



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: 125.03 ng

RT: 12.30 min Scan# 981

Delta R.T. 0.00 min

Lab File: BF075604.D

Acq: 17 Nov 2014 2:46

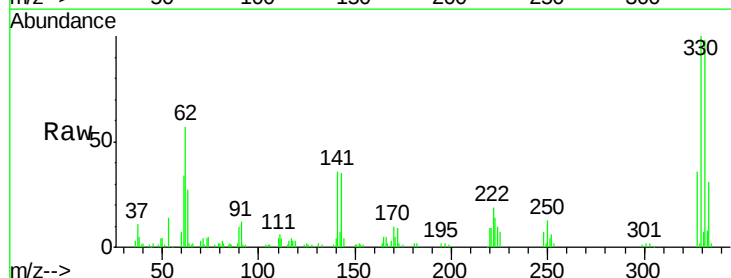
Tgt Ion:330 Resp: 66335

Ion Ratio Lower Upper

330 100

332 98.4 74.5 111.7

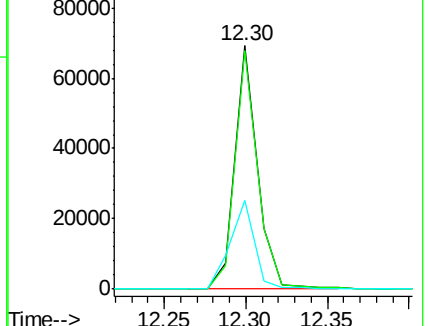
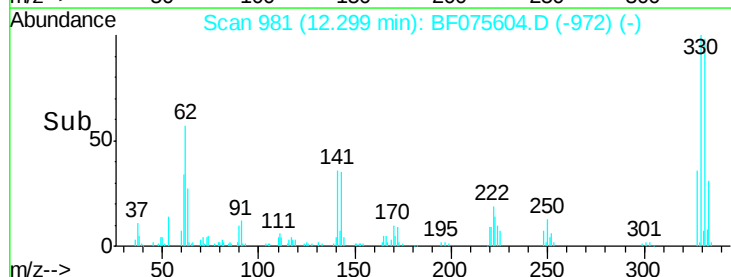
141 39.4 30.7 46.1

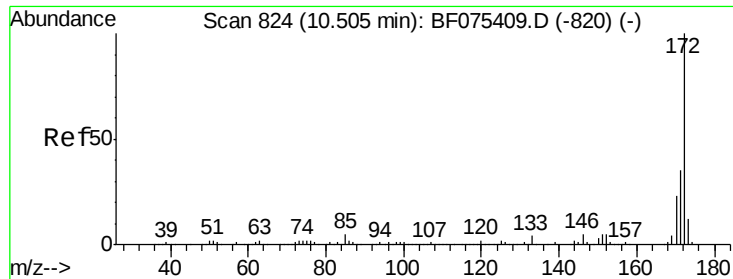


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

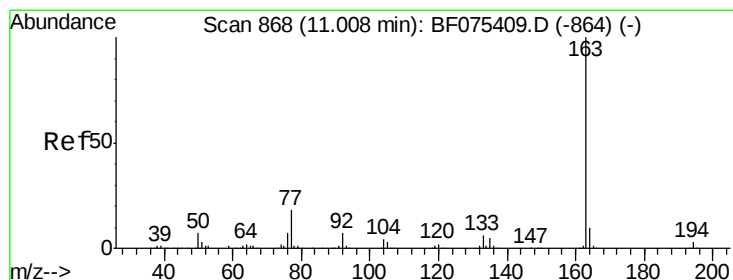
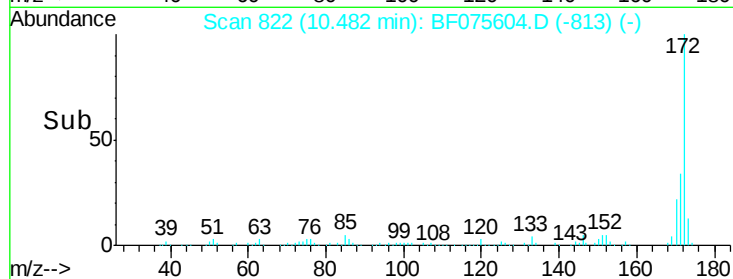
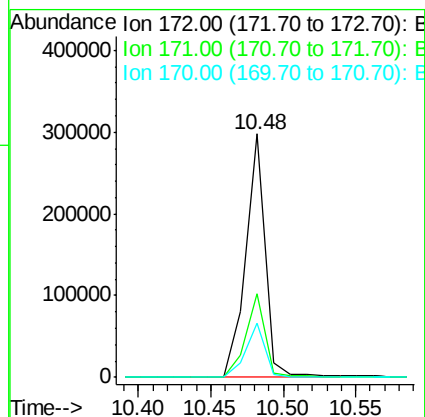
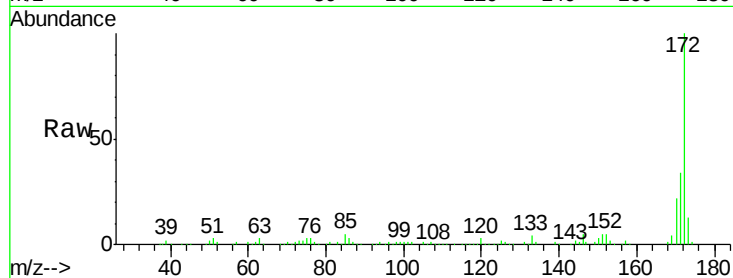




#44
2-Fluorobiphenyl
Concen: 79.89 ng
RT: 10.48 min Scan# 822
Delta R.T. 0.00 min
Lab File: BF075604.D
Acq: 17 Nov 2014 2:46

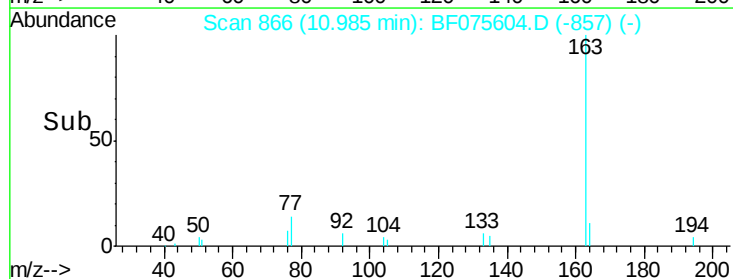
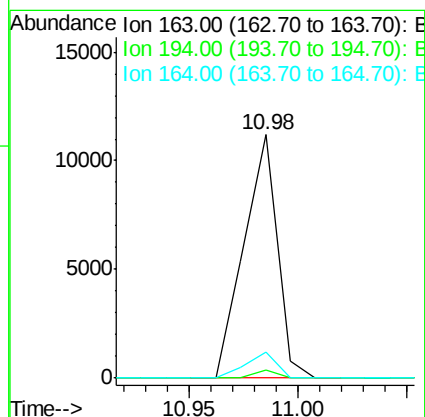
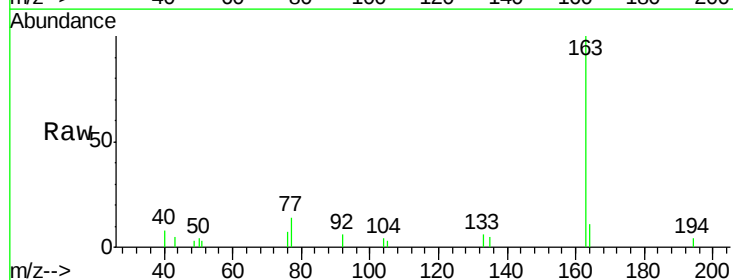
Instrument :
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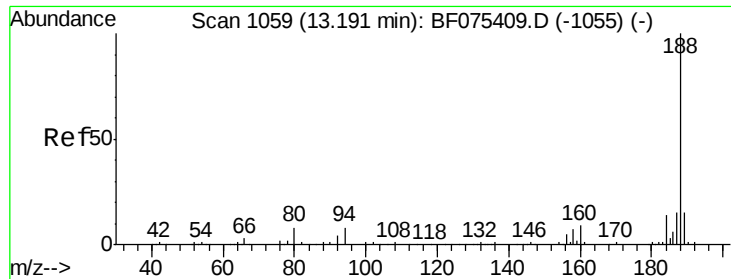
Tgt Ion:172 Resp: 280072
Ion Ratio Lower Upper
172 100
171 34.5 27.3 40.9
170 22.2 18.4 27.6



#49
Dimethylphthalate
Concen: 2.75 ng
RT: 10.98 min Scan# 866
Delta R.T. 0.00 min
Lab File: BF075604.D
Acq: 17 Nov 2014 2:46

Tgt Ion:163 Resp: 11909
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.9 8.0 12.0

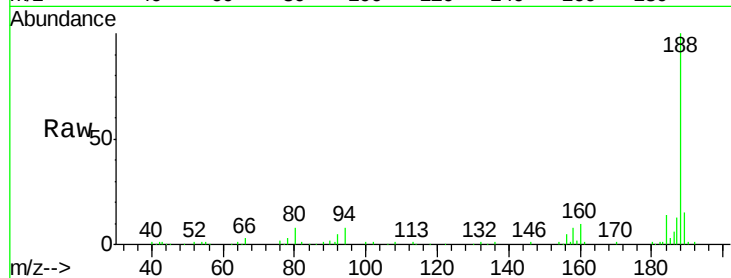




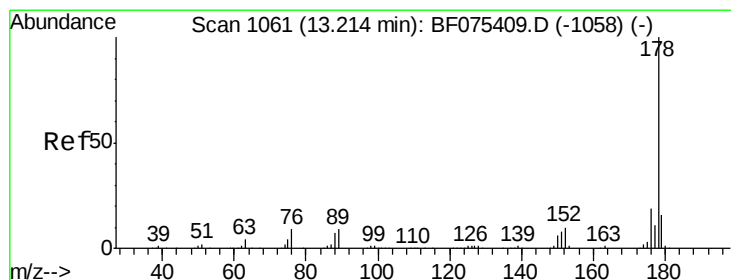
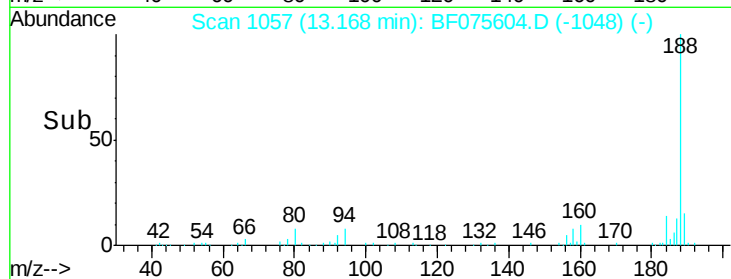
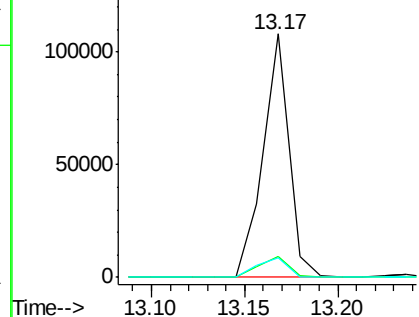
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.17 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BF075604.D
Acq: 17 Nov 2014 2:46

Instrument :
BNA_F
ClientSampleId :
FK-GF-01-008-A

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	103563		
94	8.3		7.8	11.6
80	8.0		8.0	12.0

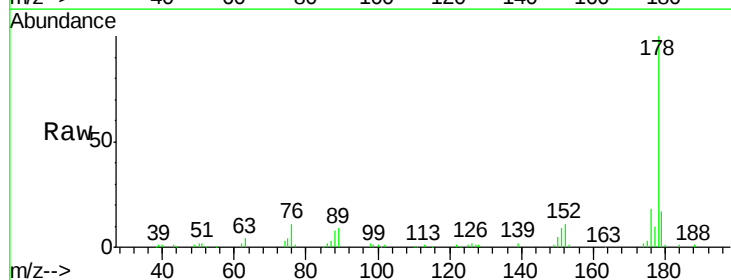


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

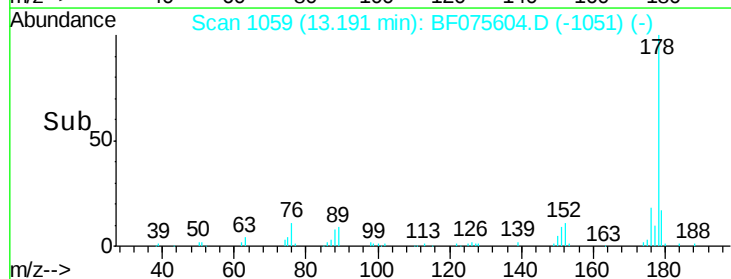
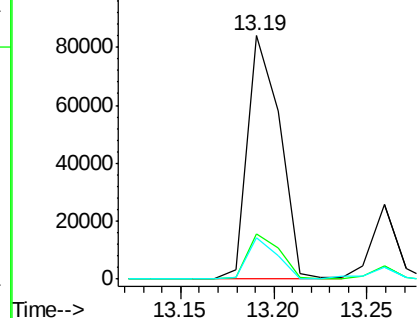


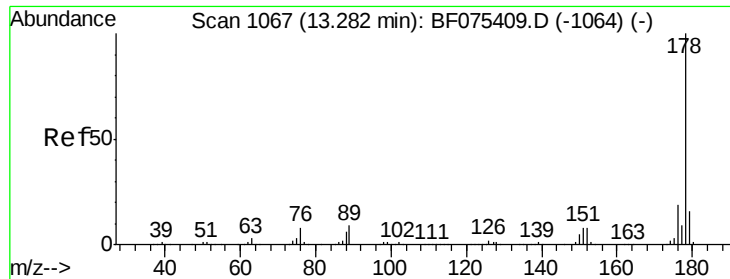
#70
Phenanthrene
Concen: 18.68 ng
RT: 13.19 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BF075604.D
Acq: 17 Nov 2014 2:46

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	101787		
176	18.3		15.3	22.9
179	16.7		12.2	18.4



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

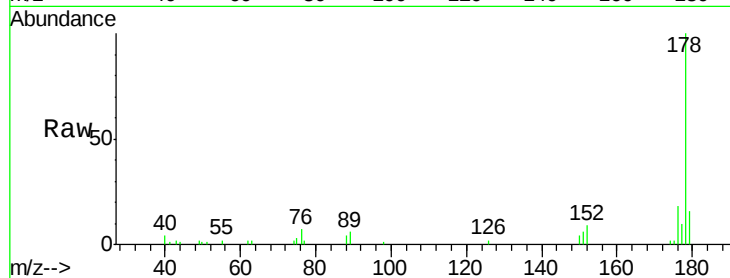




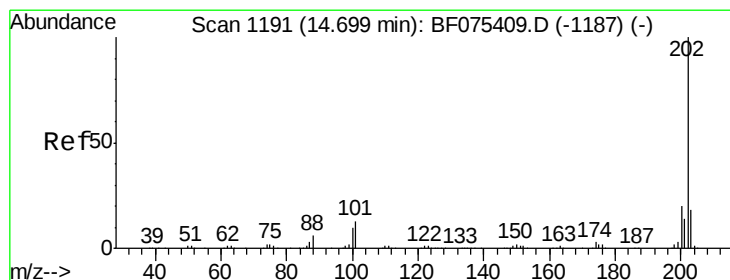
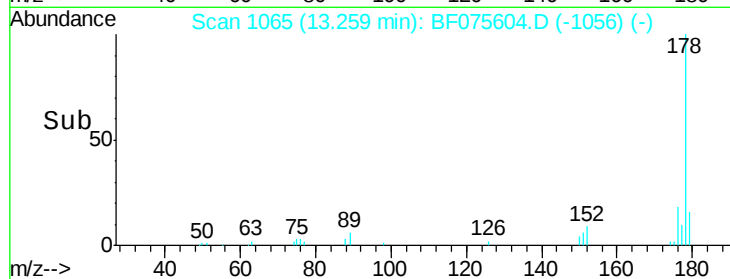
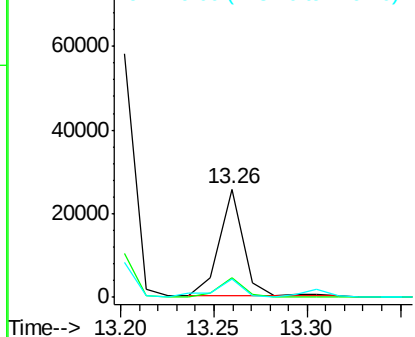
#71
 Anthracene
 Concen: 4.03 ng
 RT: 13.26 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: BF075604.D
 Acq: 17 Nov 2014 2:46

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-008-A

Tgt Ion:178 Resp: 22705
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.1 22.7
 179 16.4 12.2 18.2

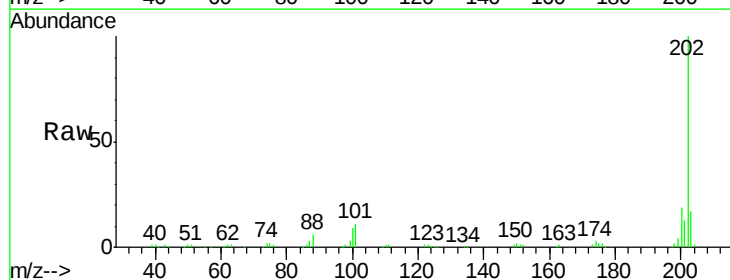


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

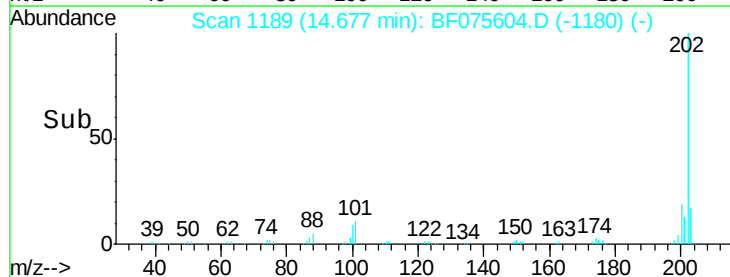
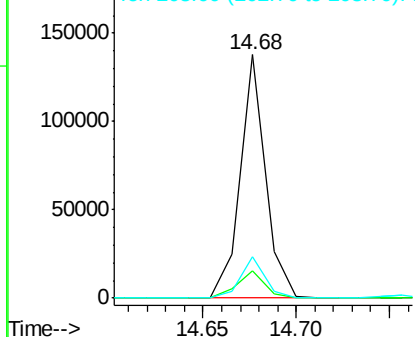


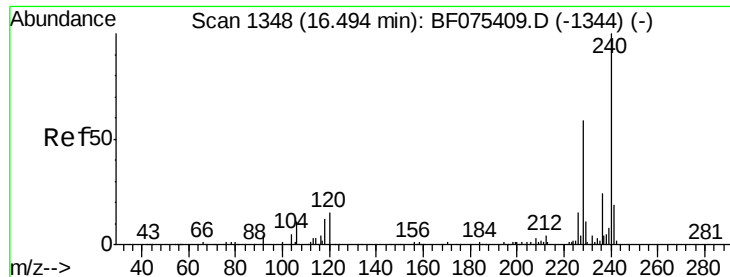
#74
 Fluoranthene
 Concen: 22.41 ng
 RT: 14.68 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: BF075604.D
 Acq: 17 Nov 2014 2:46

Tgt Ion:202 Resp: 130843
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 36.6
 203 17.0 0.0 38.2



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: 16.46 min Scan# 1345

Delta R.T. -0.01 min

Lab File: BF075604.D

Acq: 17 Nov 2014 2:46

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-008-A

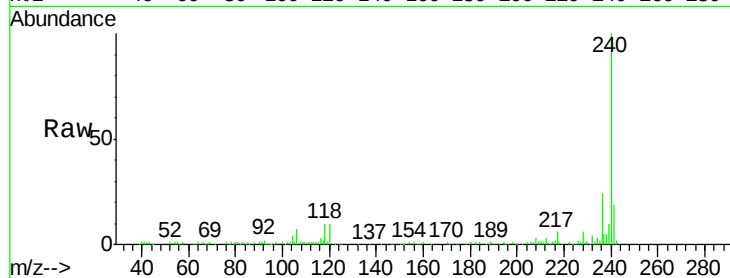
Tgt Ion:240 Resp: 112147

Ion Ratio Lower Upper

240 100

120 9.8 9.6 14.4

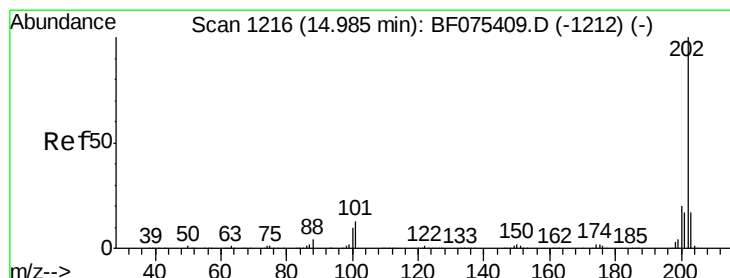
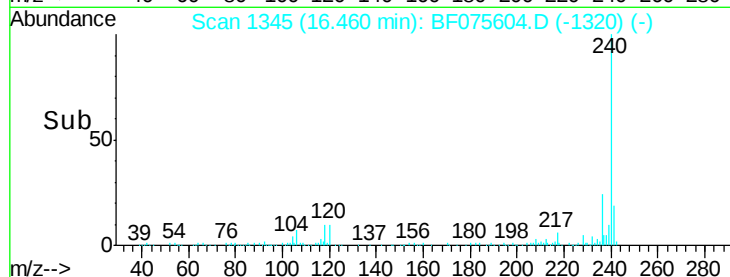
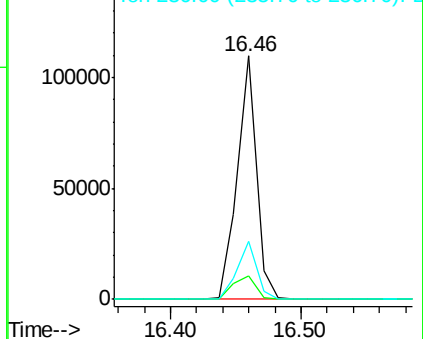
236 23.6 18.9 28.3



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: 16.90 ng

RT: 14.96 min Scan# 1214

Delta R.T. 0.00 min

Lab File: BF075604.D

Acq: 17 Nov 2014 2:46

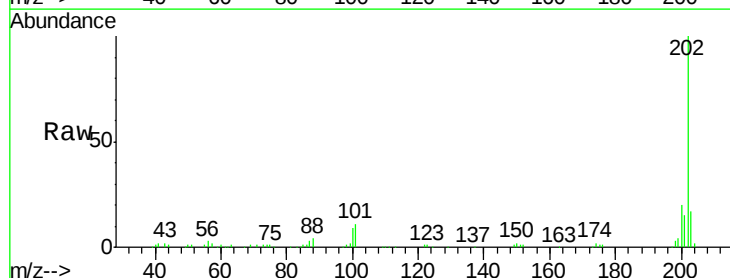
Tgt Ion:202 Resp: 110201

Ion Ratio Lower Upper

202 100

200 20.2 16.8 25.2

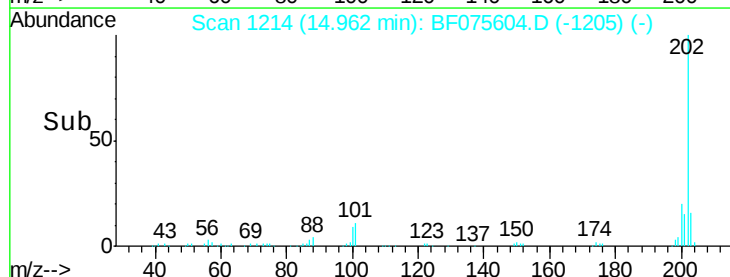
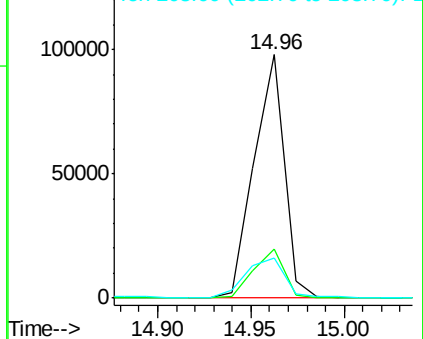
203 16.6 14.3 21.5

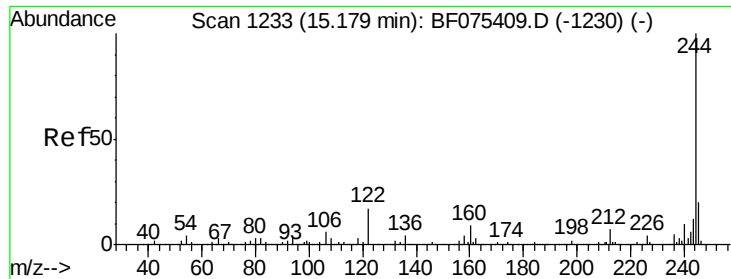


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

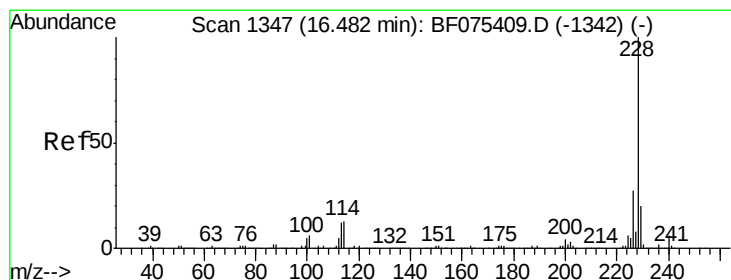
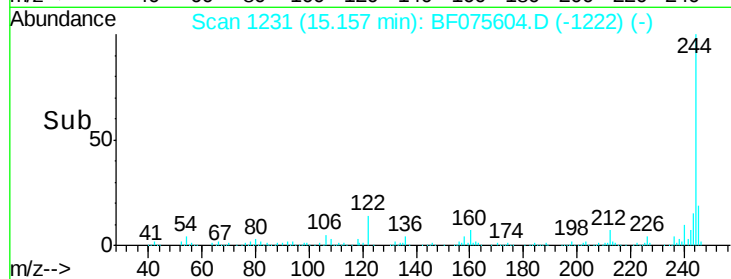
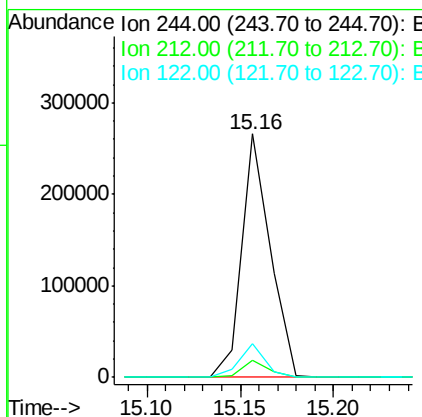
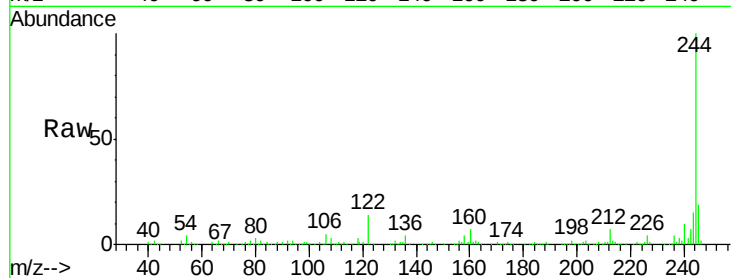




#78
 Terphenyl-d14
 Concen: 67.96 ng
 RT: 15.16 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF075604.D
 Acq: 17 Nov 2014 2:46

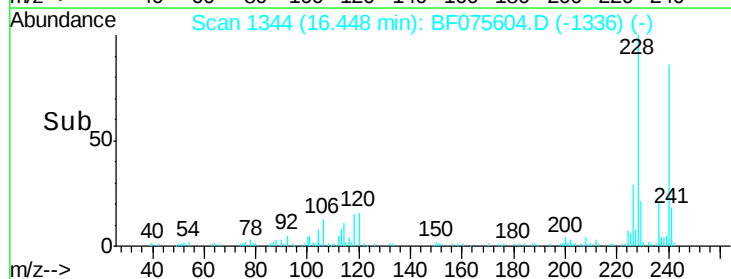
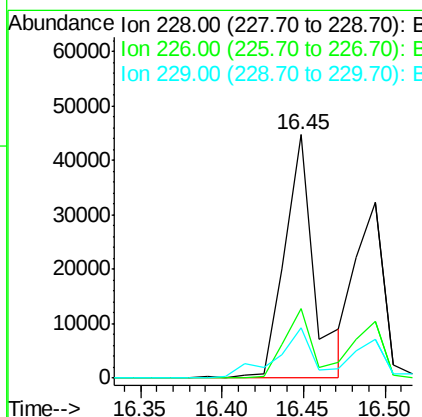
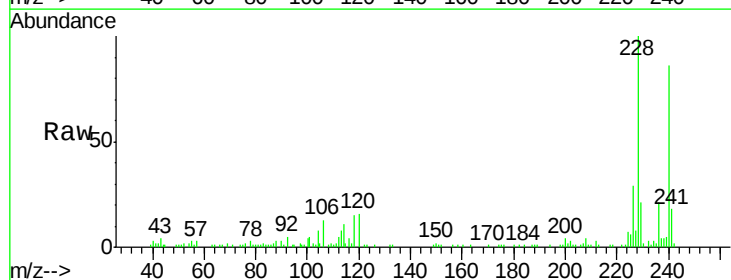
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-008-A

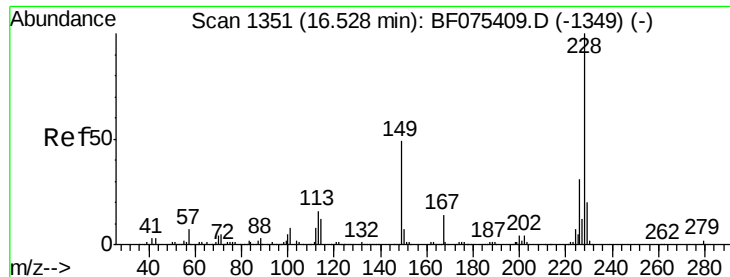
Tgt Ion:244 Resp: 283103
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 13.9 9.7 14.5



#80
 Benzo(a)anthracene
 Concen: 9.64 ng
 RT: 16.45 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: BF075604.D
 Acq: 17 Nov 2014 2:46

Tgt Ion:228 Resp: 56784
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.8 32.8
 229 20.6 15.3 22.9





#82

Chrysene

Concen: 7.82 ng

RT: 16.49 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF075604.D

Acq: 17 Nov 2014 2:46

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-008-A

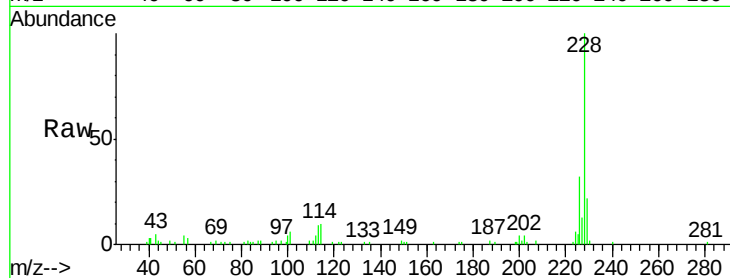
Tgt Ion: 228 Resp: 39863

Ion Ratio Lower Upper

228 100

226 32.0 23.8 35.6

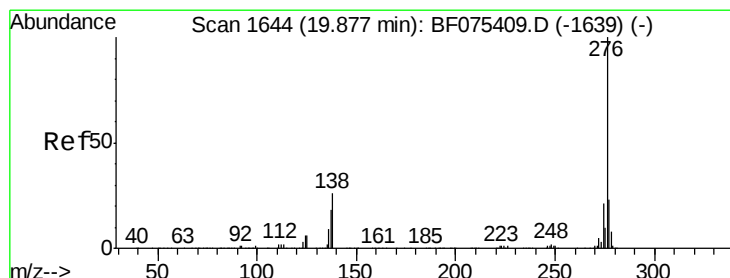
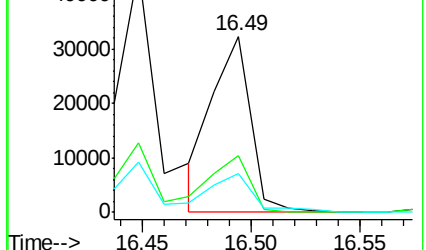
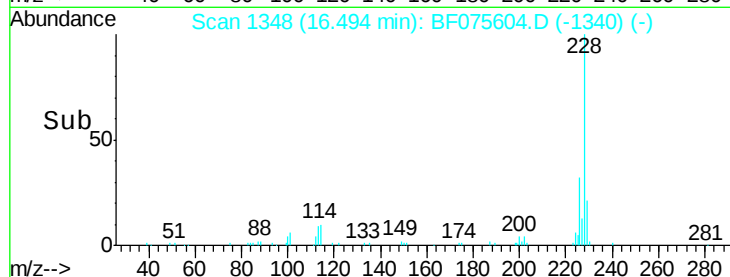
229 21.8 15.8 23.6



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: 3.82 ng

RT: 19.74 min Scan# 1632

Delta R.T. -0.07 min

Lab File: BF075604.D

Acq: 17 Nov 2014 2:46

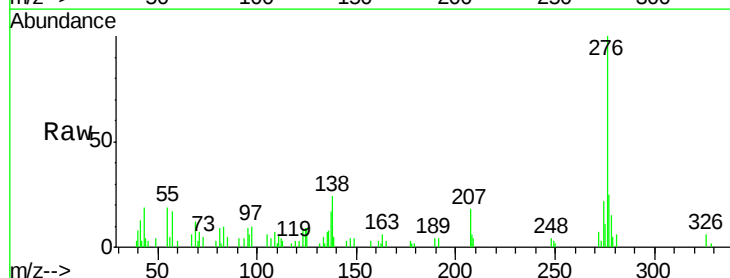
Tgt Ion: 276 Resp: 23602

Ion Ratio Lower Upper

276 100

138 28.9 0.0 0.0#

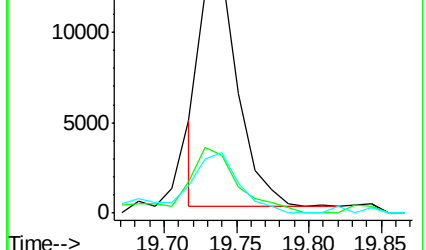
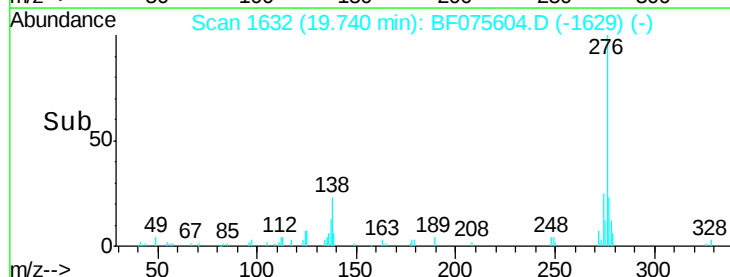
277 26.2 0.0 0.0#

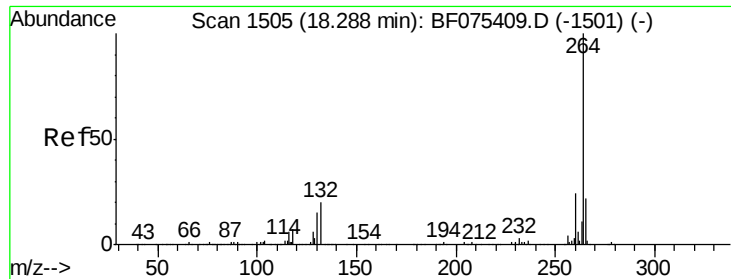


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

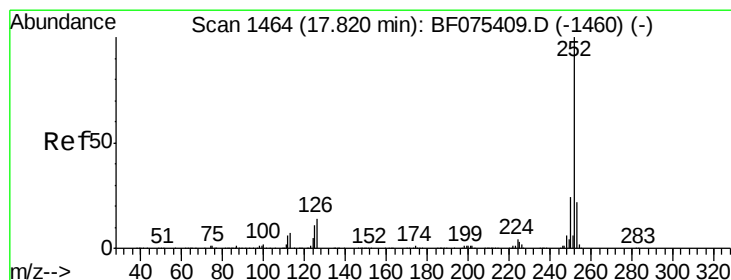
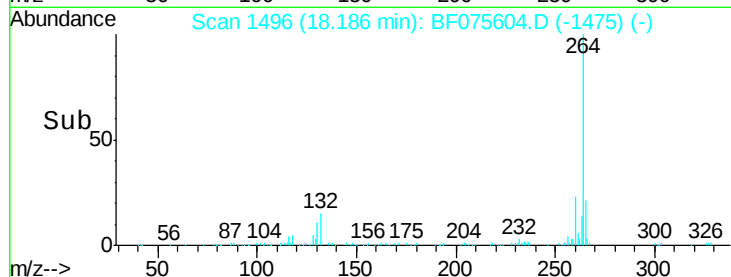
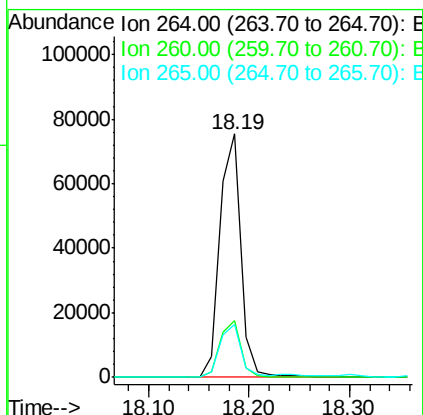
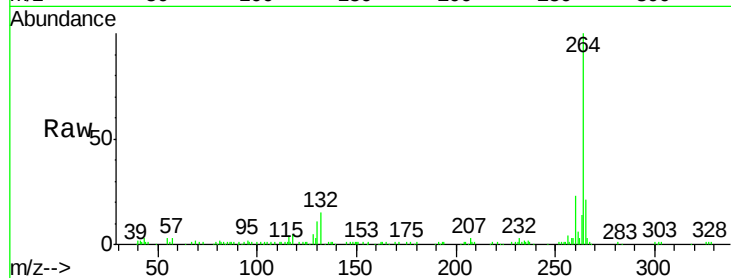




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.19 min Scan# 1496
Delta R.T. -0.06 min
Lab File: BF075604.D
Acq: 17 Nov 2014 2:46

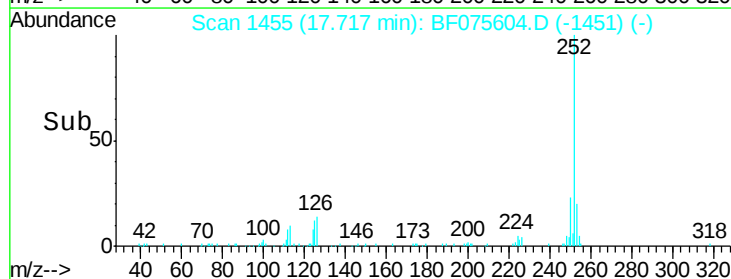
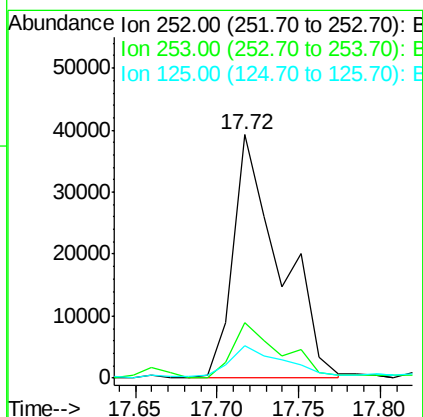
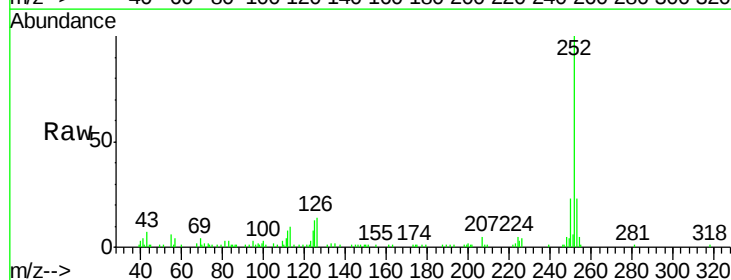
Instrument :
BNA_F
ClientSampleId :
FK-GF-01-008-A

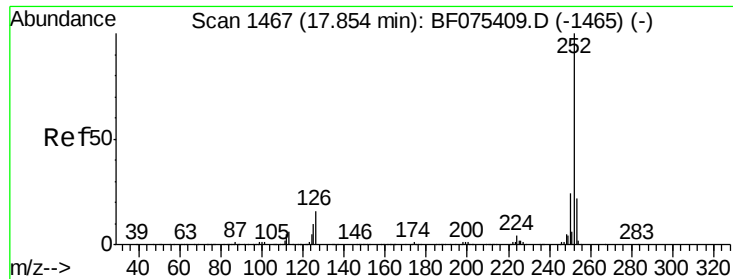
Tgt Ion:264 Resp: 109111
Ion Ratio Lower Upper
264 100
260 23.4 17.9 26.9
265 21.5 16.3 24.5



#87
Benzo(b)fluoranthene
Concen: 13.40 ng
RT: 17.72 min Scan# 1455
Delta R.T. -0.06 min
Lab File: BF075604.D
Acq: 17 Nov 2014 2:46

Tgt Ion:252 Resp: 78177
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 13.2 11.8 17.6





#88

Benzo(k)fluoranthene

Concen: 15.06 ng

RT: 17.72 min Scan# 1455

Delta R.T. -0.09 min

Lab File: BF075604.D

Acq: 17 Nov 2014 2:46

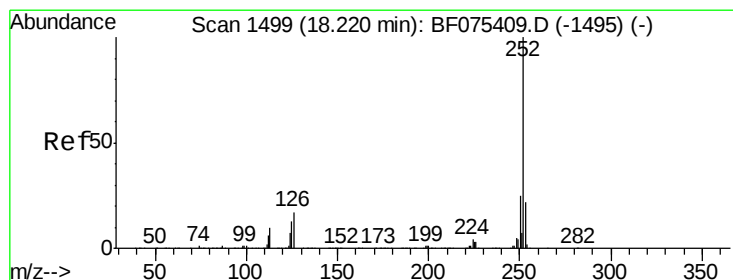
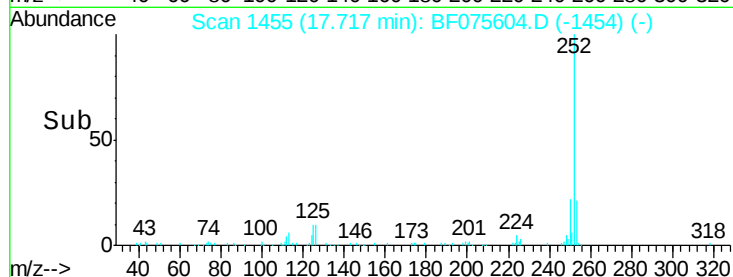
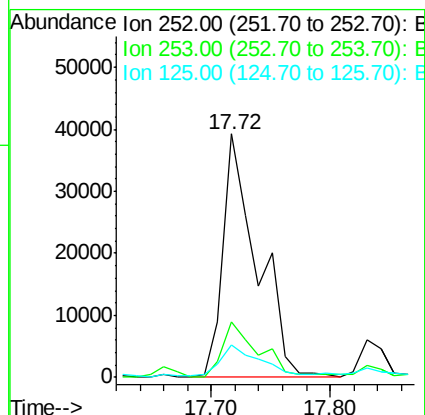
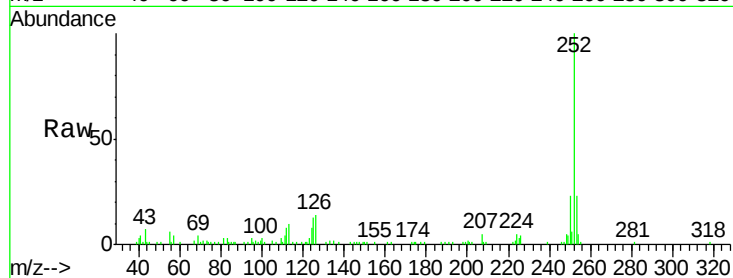
Instrument :

BNA_F

ClientSampleId :

FK-GF-01-008-A

Tgt Ion:	252	Resp:	78855
Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	13.2	11.6	17.4



#89

Benzo(a)pyrene

Concen: 8.05 ng

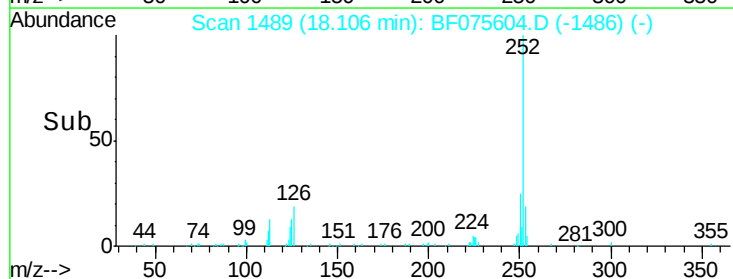
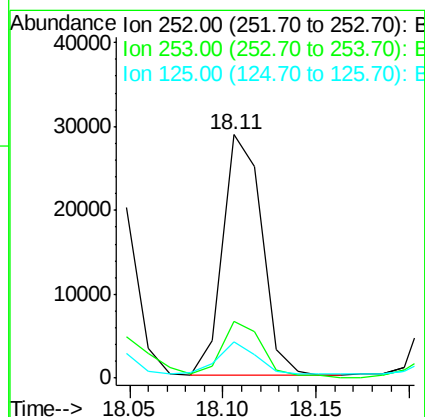
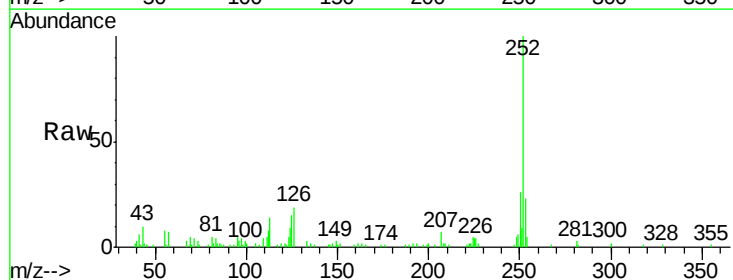
RT: 18.11 min Scan# 1489

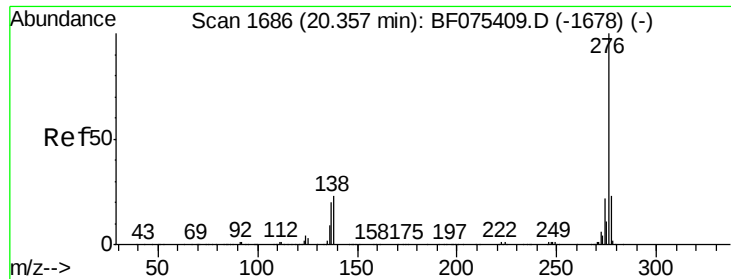
Delta R.T. -0.07 min

Lab File: BF075604.D

Acq: 17 Nov 2014 2:46

Tgt Ion:	252	Resp:	42033
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	15.0	12.2	18.4





#91
 Benzo(g,h,i)perylene
 Concen: 5.44 ng
 RT: 20.20 min Scan# 1672
 Delta R.T. -0.09 min
 Lab File: BF075604.D
 Acq: 17 Nov 2014 2:46

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-008-A

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.4	17.8	26.8
138	27.2	22.8	34.2

