

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
 Data File : BF075603.D
 Acq On : 17 Nov 2014 2:18
 Operator : TP / JJ
 Sample : F4755-08
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HUDPARK-B4-SS1(1-2)

Quant Time: Nov 17 06:11:05 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

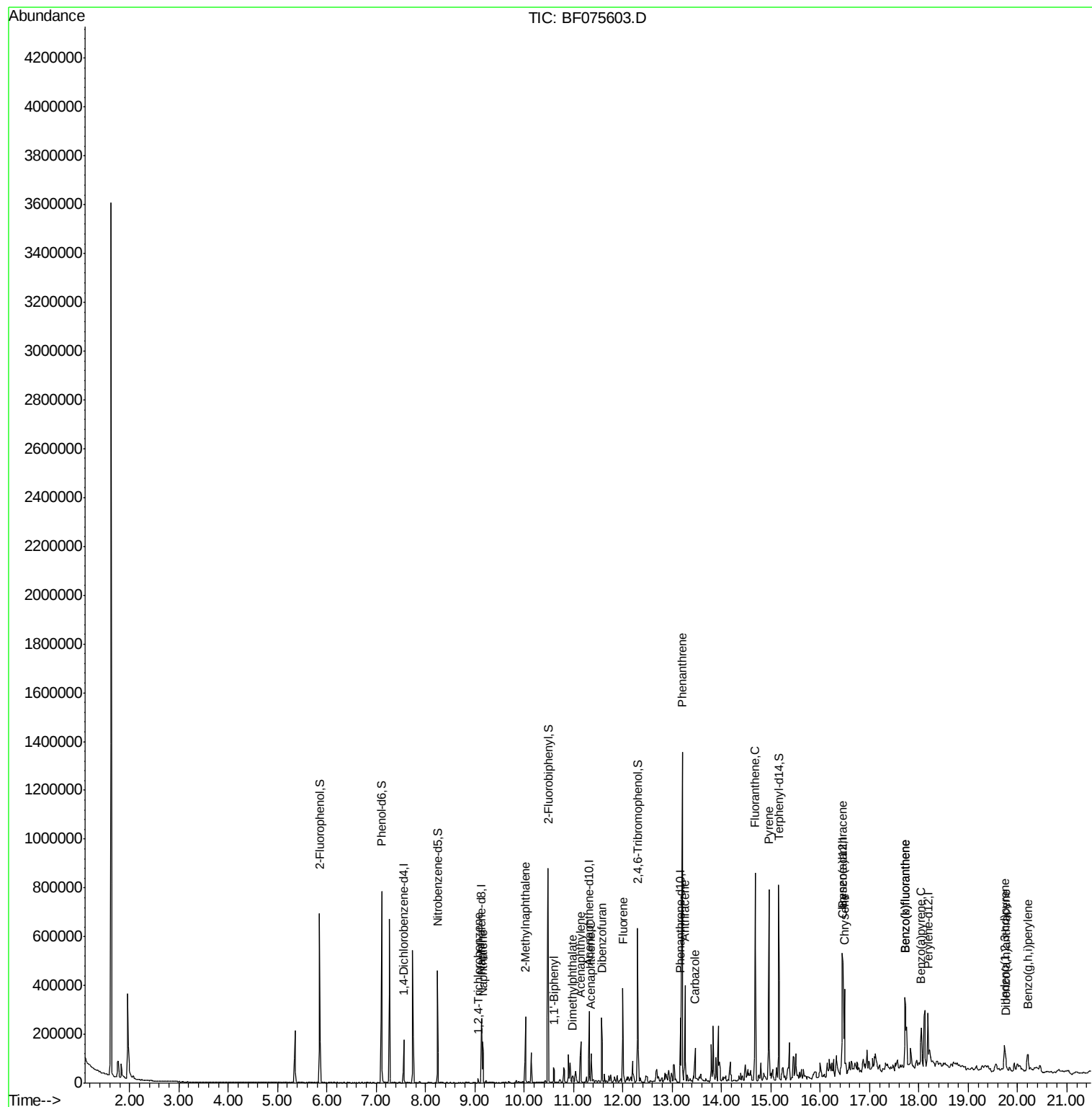
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	26657	20.00	ng	0.00
21) Naphthalene-d8	9.13	136	116698	20.00	ng	0.00
38) Acenaphthene-d10	11.32	164	61874	20.00	ng	0.00
63) Phenanthrene-d10	13.17	188	104190	20.00	ng	0.00
75) Chrysene-d12	16.46	240	108179	20.00	ng	-0.01
86) Perylene-d12	18.19	264	112368	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.85	112	195913	129.84	ng	0.00
7) Phenol-d6	7.11	99	250788	138.21	ng	0.00
23) Nitrobenzene-d5	8.24	82	136403	85.70	ng	0.00
41) 2,4,6-Tribromophenol	12.30	330	62060	119.75	ng	0.00
44) 2-Fluorobiphenyl	10.48	172	290469	84.83	ng	0.00
78) Terphenyl-d14	15.16	244	281988	70.18	ng	0.00
Target Compounds						Qvalue
30) 1,2,4-Trichlorobenzene	9.06	180	3596	2.40	ng	93
31) Naphthalene	9.16	128	102123	19.63	ng	99
37) 2-Methylnaphthalene	10.02	142	79645	22.44	ng	96
45) 1,1'-Biphenyl	10.61	154	23393	5.60	ng	91
48) Acenaphthylene	11.14	152	86977	16.17	ng	98
49) Dimethylphthalate	10.98	163	12300	2.91	ng	99
51) Acenaphthene	11.35	154	36844	11.34	ng	99
54) Dibenzofuran	11.57	168	126273	27.20	ng	99
57) Fluorene	12.00	166	127199	33.88	ng	99
70) Phenanthrene	13.20	178	600614	109.53	ng	99
71) Anthracene	13.26	178	158222	27.92	ng	98
72) Carbazole	13.47	167	66626	12.01	ng	99
74) Fluoranthene	14.68	202	456836	77.78	ng	96
77) Pyrene	14.96	202	338275	53.79	ng	99
80) Benzo(a)anthracene	16.45	228	198522	34.93	ng	# 91
82) Chrysene	16.49	228	133871	27.24	ng	97
85) Indeno(1,2,3-cd)pyrene	19.74	276	60944	10.22	ng	# 100
87) Benzo(b)fluoranthene	17.72	252	241597	40.21	ng	98
88) Benzo(k)fluoranthene	17.72	252	242609	45.00	ng	98
89) Benzo(a)pyrene	18.05	252	50878	9.46	ng	98
90) Dibenzo(a,h)anthracene	19.76	278	20618	3.67	ng	# 90
91) Benzo(g,h,i)perylene	20.21	276	60412	11.29	ng	# 91

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

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HUDPARK-B4-SS1(1-2)

Quant Time: Nov 17 06:11:05 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
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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: BF075603.D

Acq: 17 Nov 2014 2:18

Instrument :

BNA_F

ClientSampleId :

HUDPARK-B4-SS1(1-2)

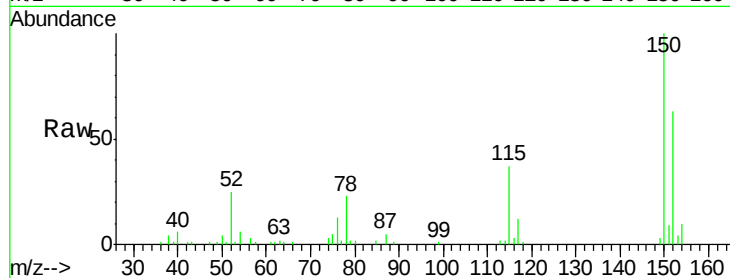
Tgt Ion:152 Resp: 26657

Ion Ratio Lower Upper

152 100

150 158.7 127.2 190.8

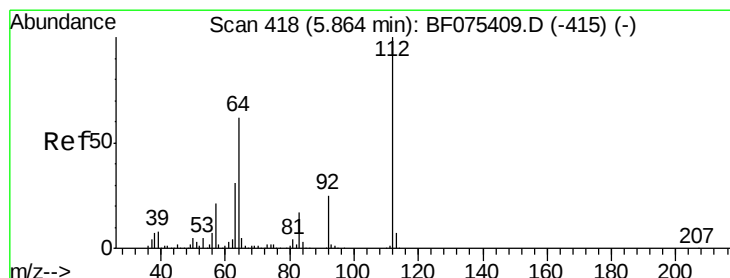
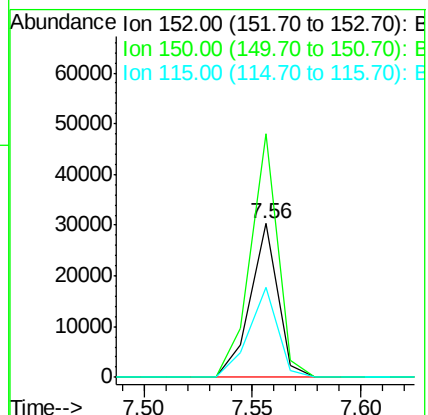
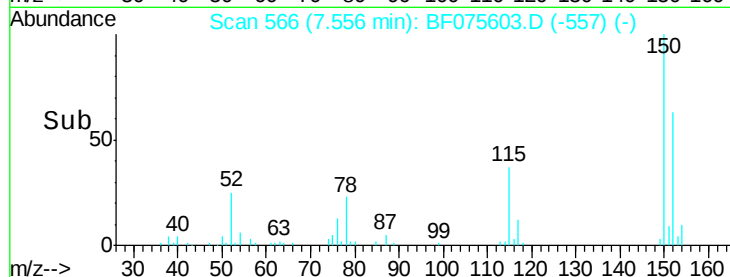
115 59.0 57.1 85.7



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: 129.84 ng

RT: 5.85 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF075603.D

Acq: 17 Nov 2014 2:18

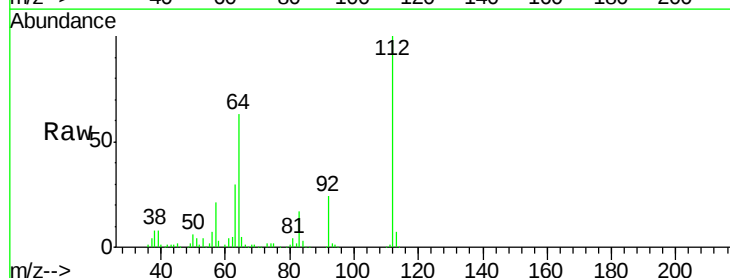
Tgt Ion:112 Resp: 195913

Ion Ratio Lower Upper

112 100

64 62.9 45.8 68.6

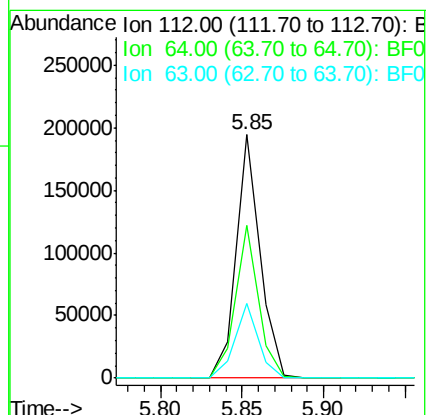
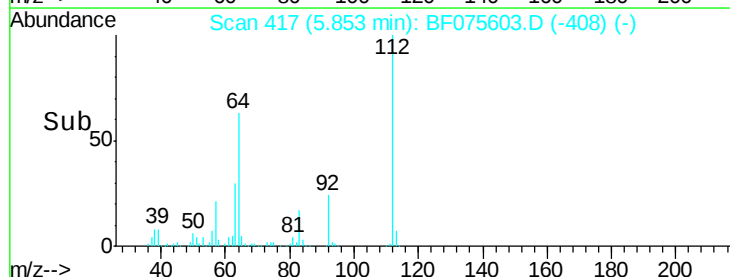
63 30.4 22.7 34.1



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: 138.21 ng

RT: 7.11 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF075603.D

Acq: 17 Nov 2014 2:18

Instrument :

BNA_F

ClientSampleId :

HUDPARK-B4-SS1(1-2)

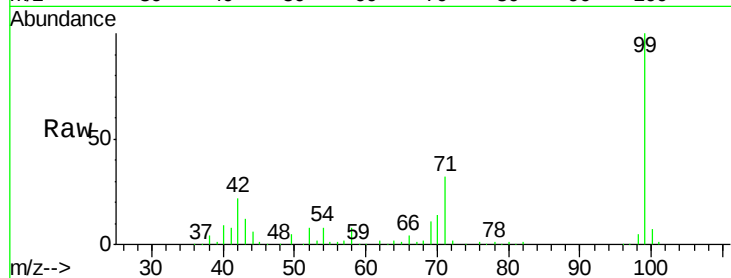
Tgt Ion: 99 Resp: 250788

Ion Ratio Lower Upper

99 100

42 21.9 19.8 29.6

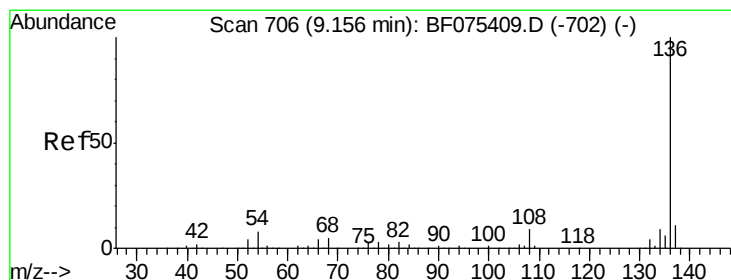
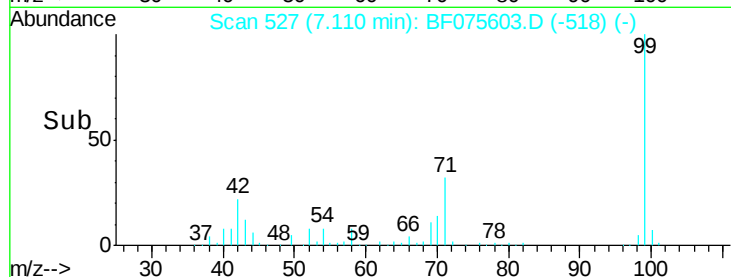
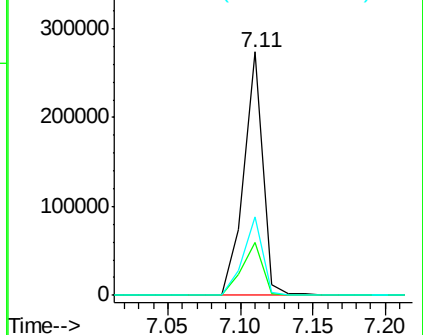
71 32.2 25.5 38.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.13 min Scan# 704

Delta R.T. 0.00 min

Lab File: BF075603.D

Acq: 17 Nov 2014 2:18

Tgt Ion: 136 Resp: 116698

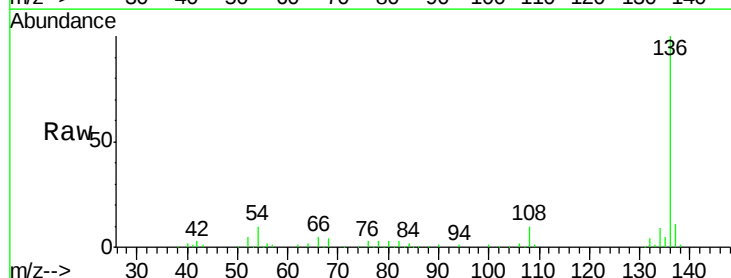
Ion Ratio Lower Upper

136 100

137 10.7 8.2 12.4

54 9.6 6.2 9.4#

68 4.5 3.4 5.2

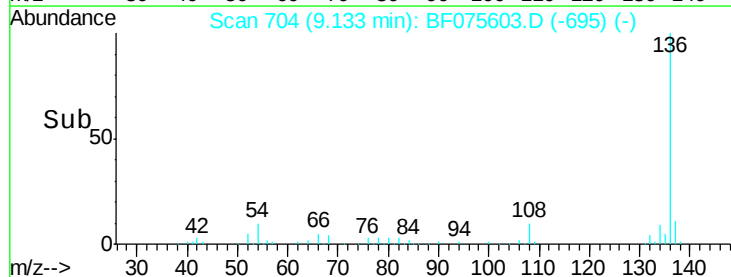
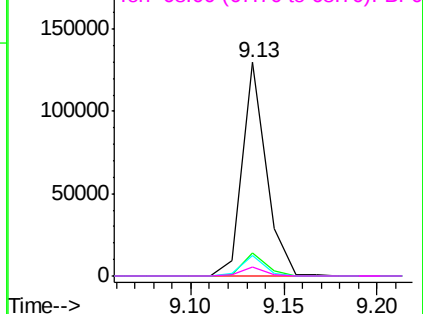


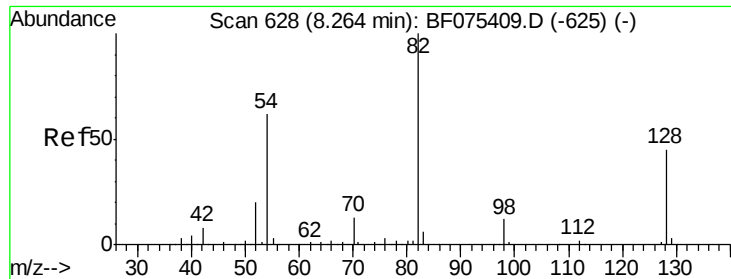
Abundance Ion 136.00 (135.70 to 136.70): E

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

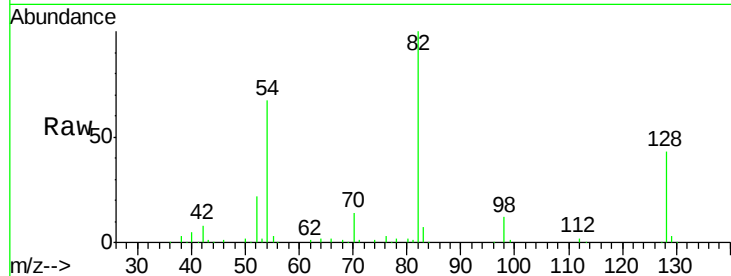




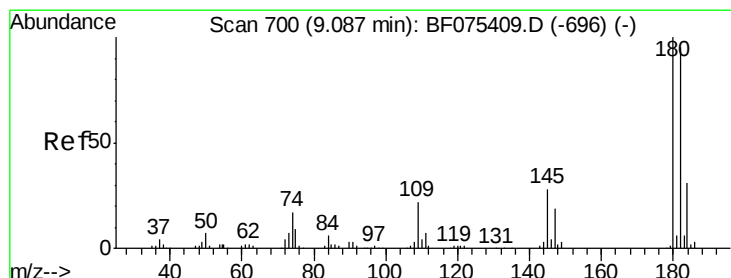
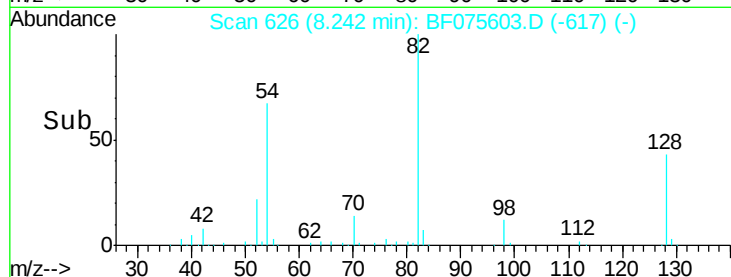
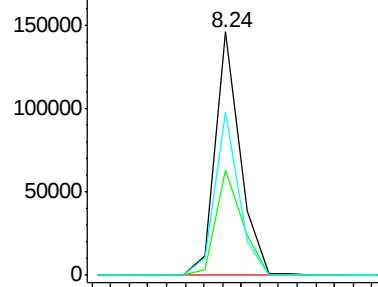
#23
Nitrobenzene-d5
Concen: 85.70 ng
RT: 8.24 min Scan# 626
Delta R.T. 0.00 min
Lab File: BF075603.D
Acq: 17 Nov 2014 2:18

Instrument :
BNA_F
ClientSampleId :
HUDPARK-B4-SS1(1-2)

Tgt Ion: 82 Resp: 136403
Ion Ratio Lower Upper
82 100
128 43.4 37.8 56.6
54 67.1 49.8 74.8

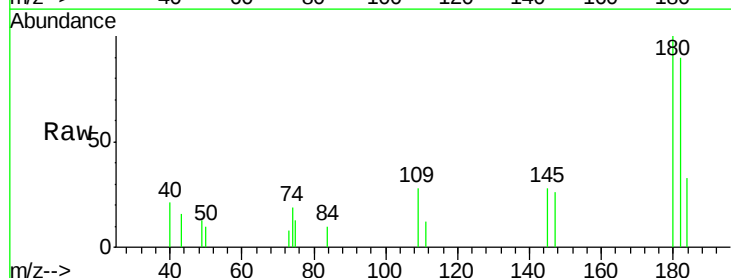


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

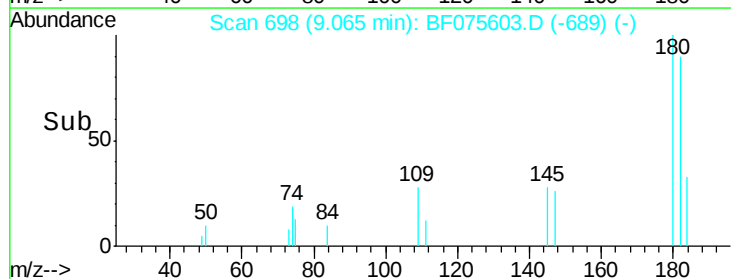
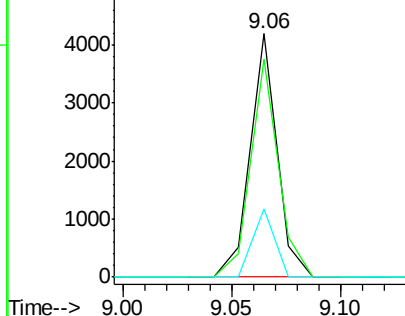


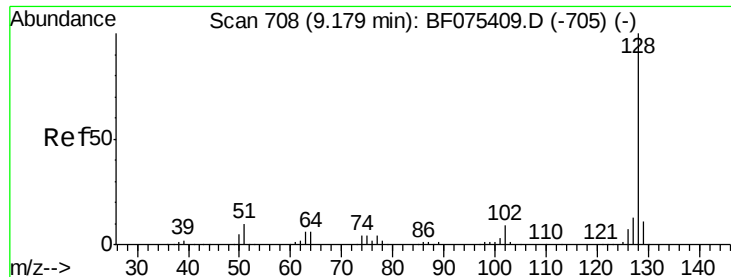
#30
1,2,4-Trichlorobenzene
Concen: 2.40 ng
RT: 9.06 min Scan# 698
Delta R.T. 0.00 min
Lab File: BF075603.D
Acq: 17 Nov 2014 2:18

Tgt Ion: 180 Resp: 3596
Ion Ratio Lower Upper
180 100
182 89.7 78.4 117.6
145 27.8 22.3 33.5



Abundance Ion 180.00 (179.70 to 180.70): B
Ion 182.00 (181.70 to 182.70): B
Ion 145.00 (144.70 to 145.70): B

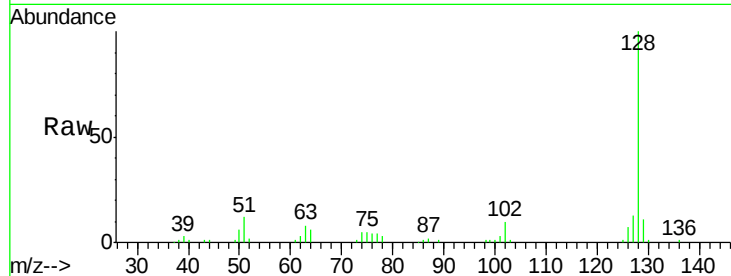




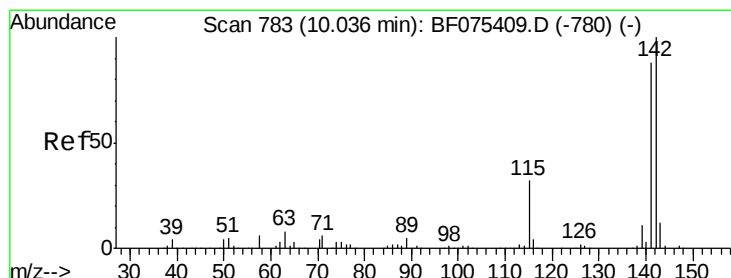
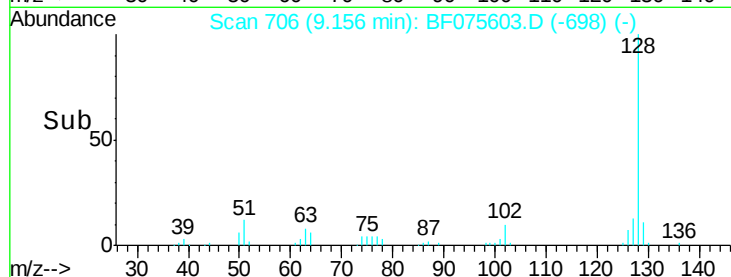
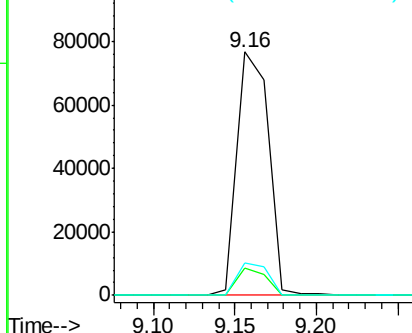
#31
Naphthalene
Concen: 19.63 ng
RT: 9.16 min Scan# 706
Delta R.T. -0.01 min
Lab File: BF075603.D
Acq: 17 Nov 2014 2:18

Instrument :
BNA_F
ClientSampleId :
HUDPARK-B4-SS1(1-2)

Tgt Ion:128 Resp: 102123
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.5 10.2 15.4

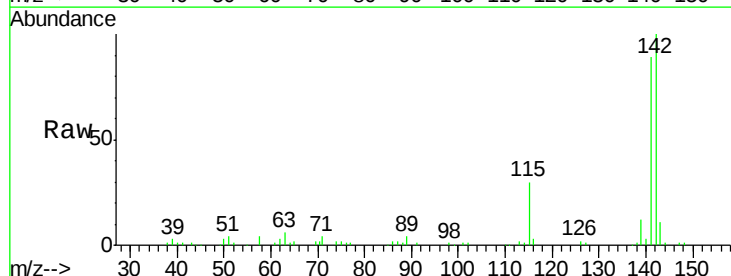


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

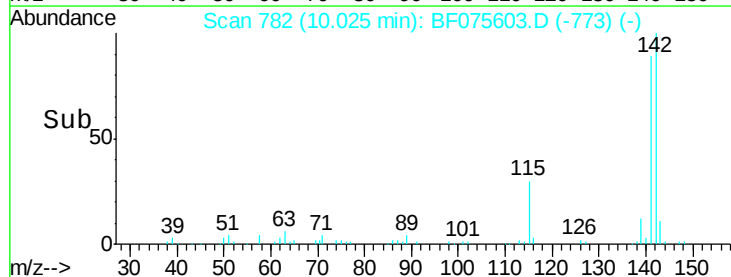
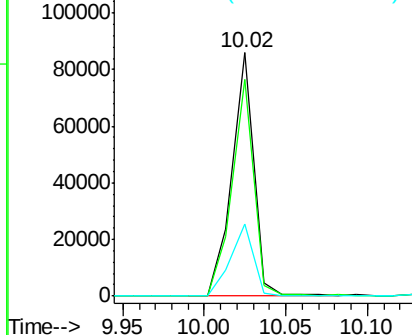


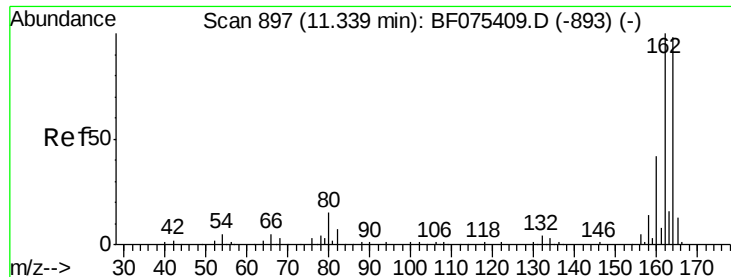
#37
2-Methylnaphthalene
Concen: 22.44 ng
RT: 10.02 min Scan# 782
Delta R.T. 0.00 min
Lab File: BF075603.D
Acq: 17 Nov 2014 2:18

Tgt Ion:142 Resp: 79645
Ion Ratio Lower Upper
142 100
141 89.2 69.9 104.9
115 29.6 27.6 41.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

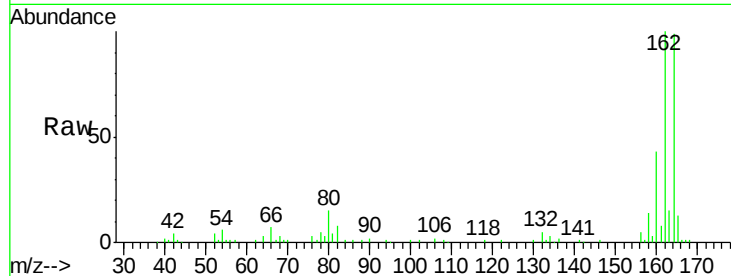




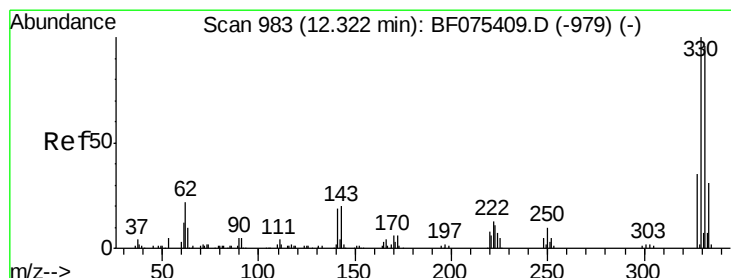
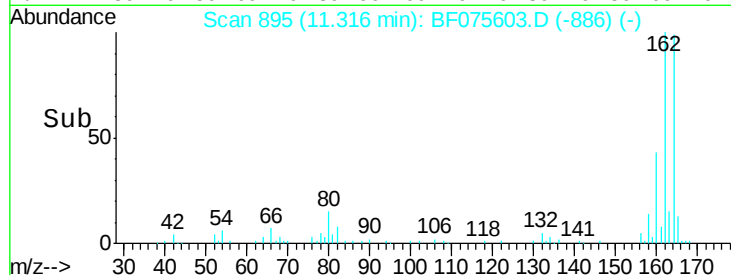
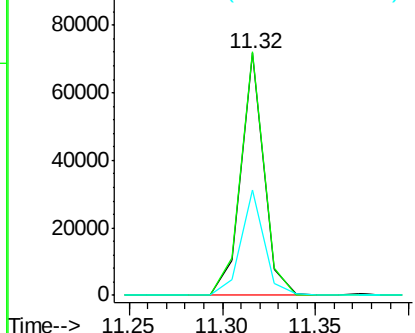
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 895
Delta R.T. 0.00 min
Lab File: BF075603.D
Acq: 17 Nov 2014 2:18

Instrument :
BNA_F
ClientSampleId :
HUDPARK-B4-SS1(1-2)

Tgt Ion:164 Resp: 61874
Ion Ratio Lower Upper
164 100
162 100.7 79.1 118.7
160 43.4 34.6 51.8

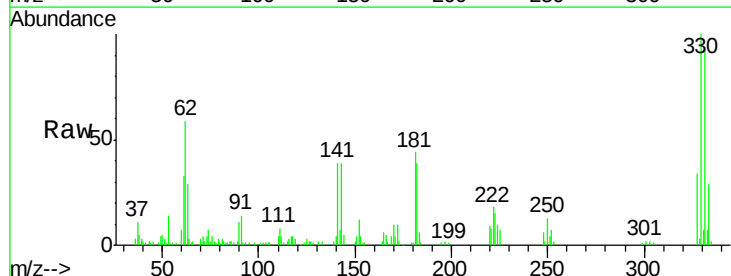


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

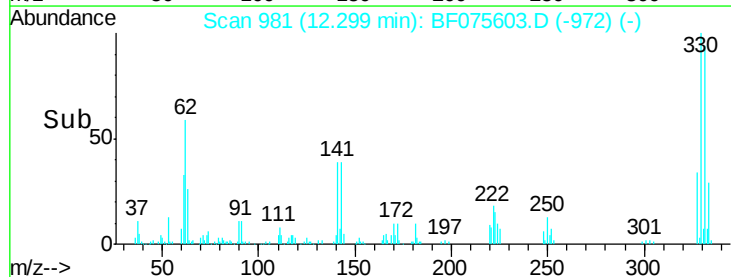
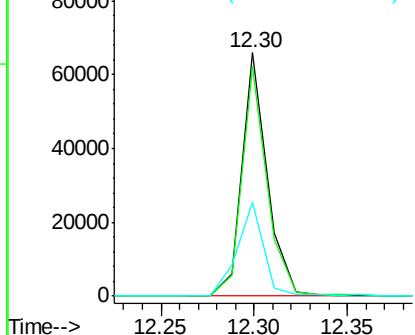


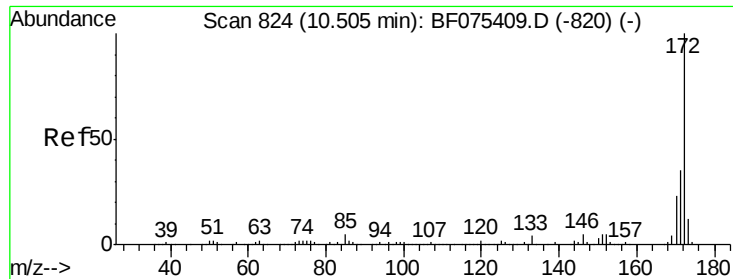
#41
2,4,6-Tribromophenol
Concen: 119.75 ng
RT: 12.30 min Scan# 981
Delta R.T. 0.00 min
Lab File: BF075603.D
Acq: 17 Nov 2014 2:18

Tgt Ion:330 Resp: 62060
Ion Ratio Lower Upper
330 100
332 94.5 74.5 111.7
141 40.5 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

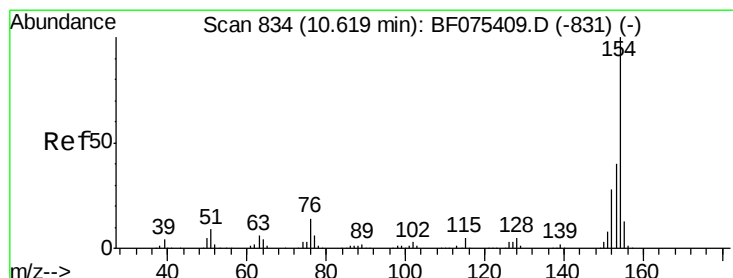
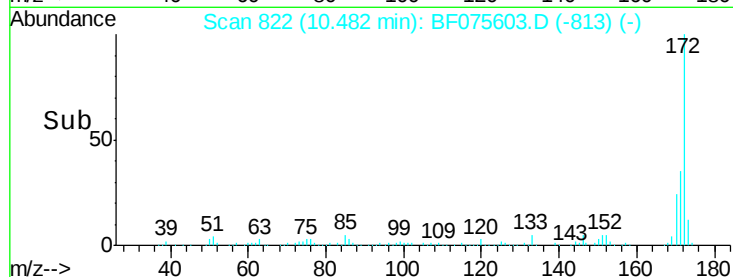
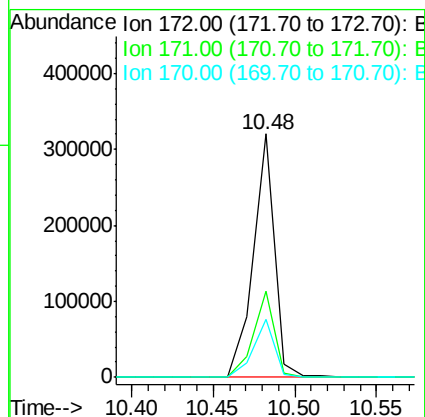
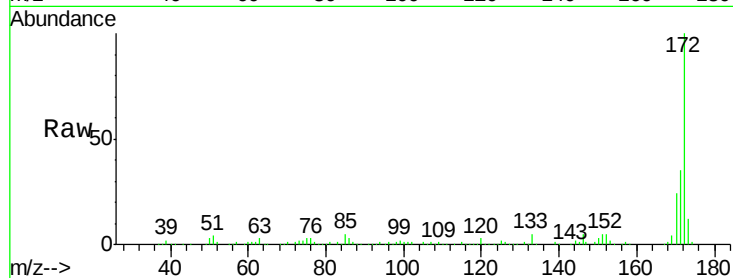




#44
2-Fluorobiphenyl
Concen: 84.83 ng
RT: 10.48 min Scan# 822
Delta R.T. 0.00 min
Lab File: BF075603.D
Acq: 17 Nov 2014 2:18

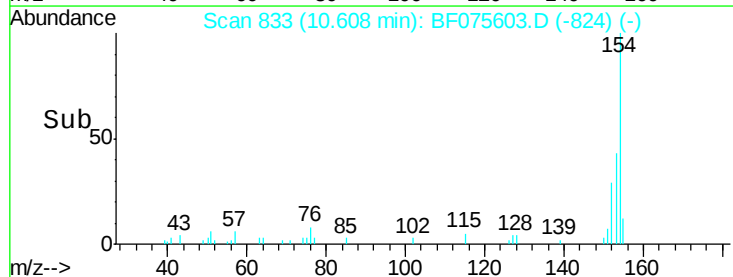
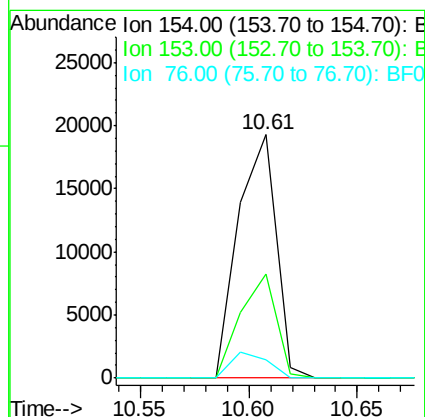
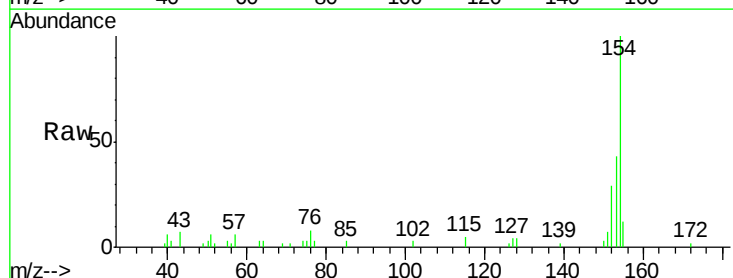
Instrument :
BNA_F
ClientSampleId :
HUDPARK-B4-SS1(1-2)

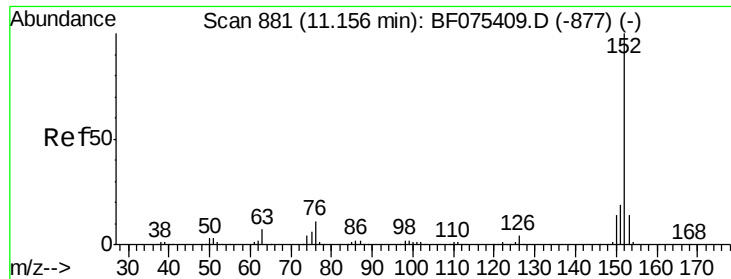
Tgt Ion:172 Resp: 290469
Ion Ratio Lower Upper
172 100
171 35.1 27.3 40.9
170 23.7 18.4 27.6



#45
1,1'-Biphenyl
Concen: 5.60 ng
RT: 10.61 min Scan# 833
Delta R.T. 0.00 min
Lab File: BF075603.D
Acq: 17 Nov 2014 2:18

Tgt Ion:154 Resp: 23393
Ion Ratio Lower Upper
154 100
153 42.6 19.3 59.3
76 7.7 0.0 35.0





#48

Acenaphthylene

Concen: 16.17 ng

RT: 11.14 min Scan# 880

Delta R.T. 0.00 min

Lab File: BF075603.D

Acq: 17 Nov 2014 2:18

Instrument :

BNA_F

ClientSampleId :

HUDPARK-B4-SS1(1-2)

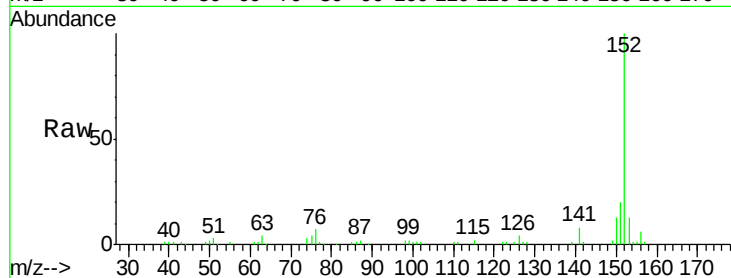
Tgt Ion:152 Resp: 86977

Ion Ratio Lower Upper

152 100

151 20.3 15.4 23.2

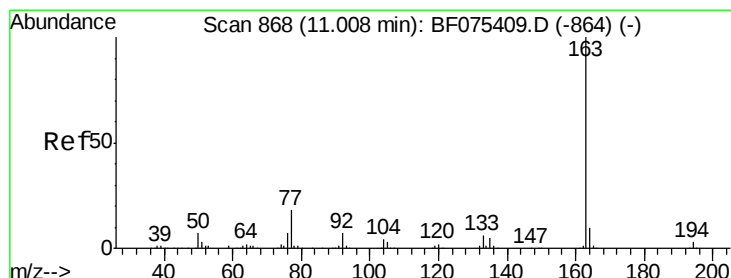
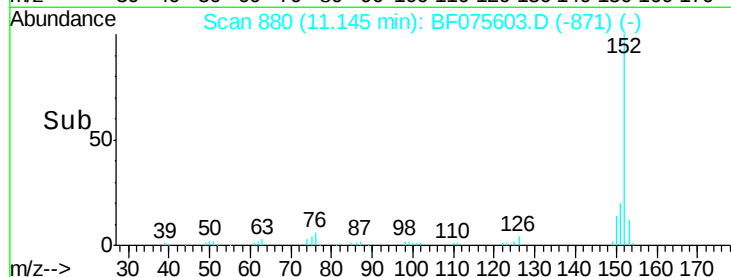
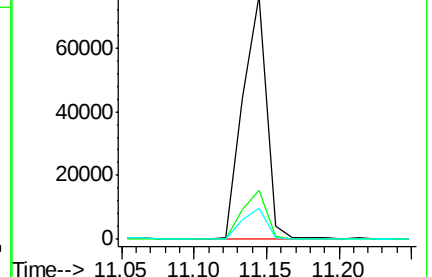
153 13.0 10.0 15.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 2.91 ng

RT: 10.98 min Scan# 866

Delta R.T. 0.00 min

Lab File: BF075603.D

Acq: 17 Nov 2014 2:18

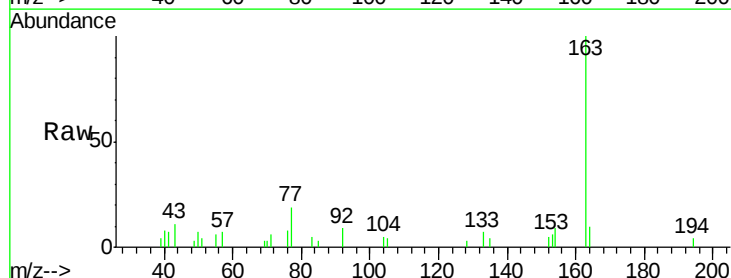
Tgt Ion:163 Resp: 12300

Ion Ratio Lower Upper

163 100

194 4.0 2.7 4.1

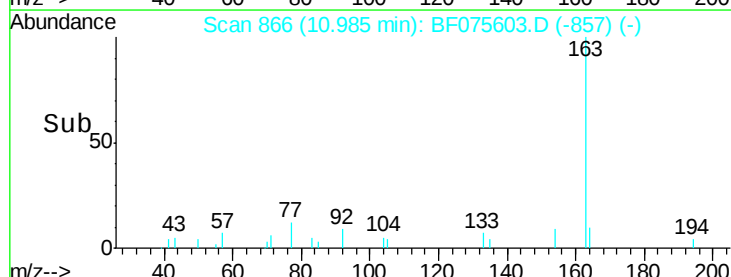
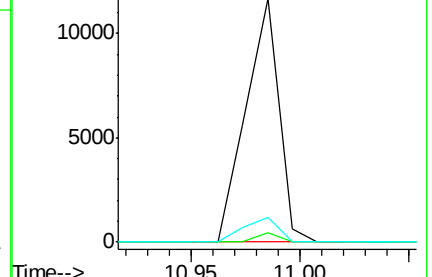
164 10.0 8.0 12.0

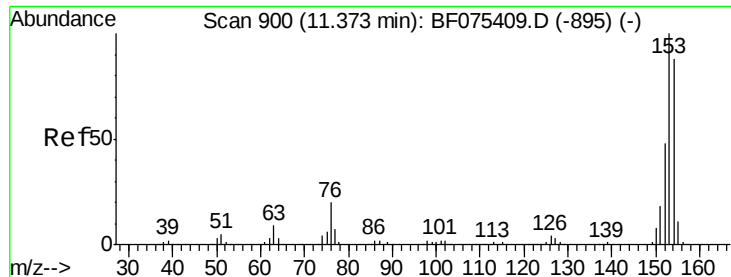


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 11.34 ng

RT: 11.35 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF075603.D

Acq: 17 Nov 2014 2:18

Instrument :

BNA_F

ClientSampleId :

HUDPARK-B4-SS1(1-2)

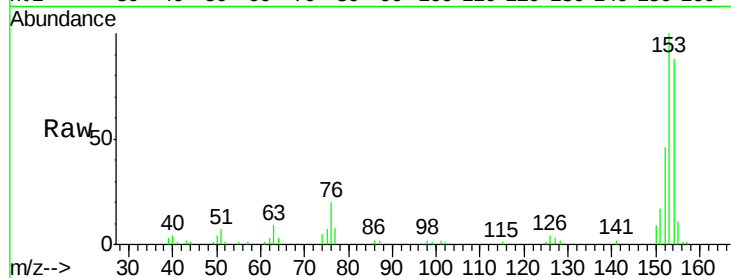
Tgt Ion:154 Resp: 36844

Ion Ratio Lower Upper

154 100

153 114.3 91.2 136.8

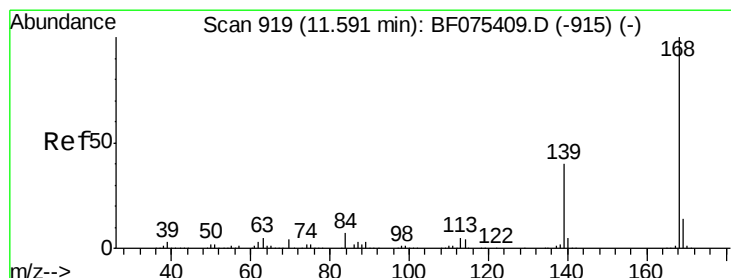
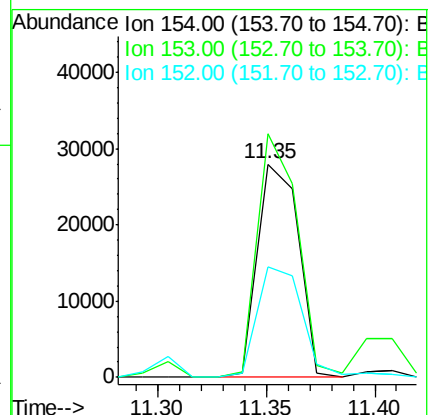
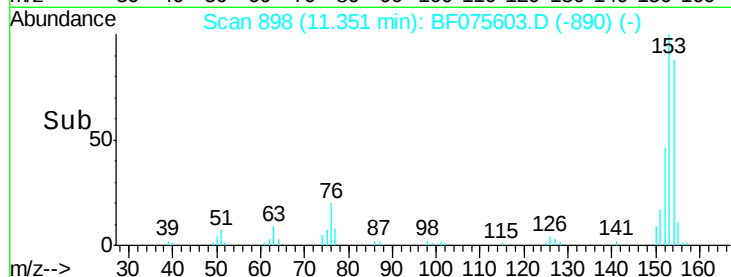
152 52.1 43.4 65.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 27.20 ng

RT: 11.57 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF075603.D

Acq: 17 Nov 2014 2:18

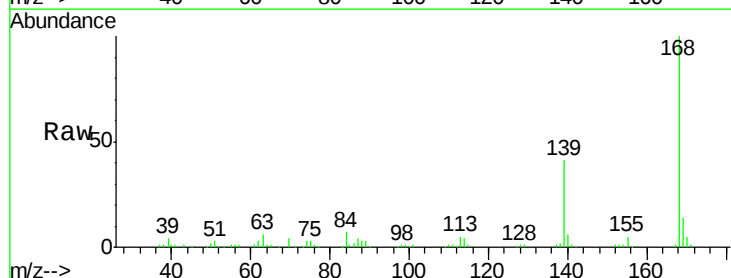
Tgt Ion:168 Resp: 126273

Ion Ratio Lower Upper

168 100

139 40.8 33.0 49.4

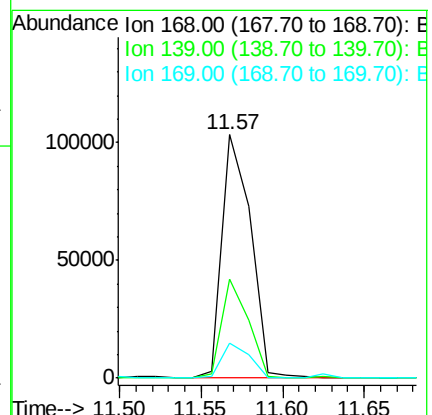
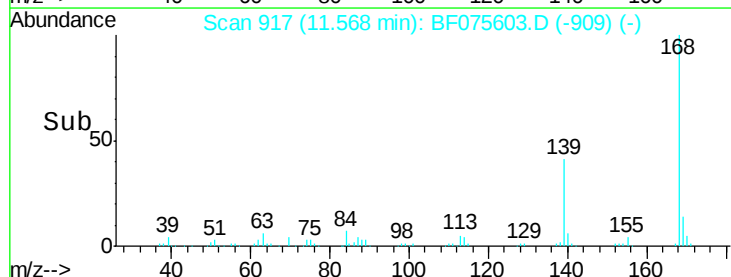
169 14.4 10.8 16.2

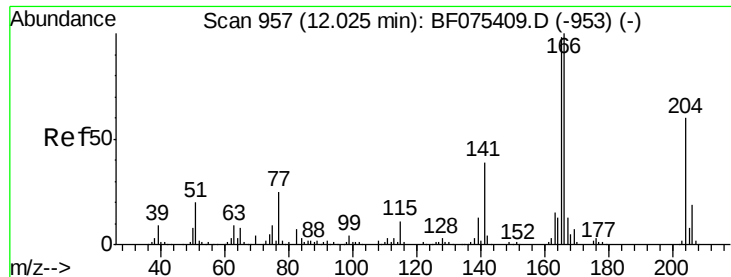


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 33.88 ng

RT: 12.00 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF075603.D

Acq: 17 Nov 2014 2:18

Instrument :

BNA_F

ClientSampleId :

HUDPARK-B4-SS1(1-2)

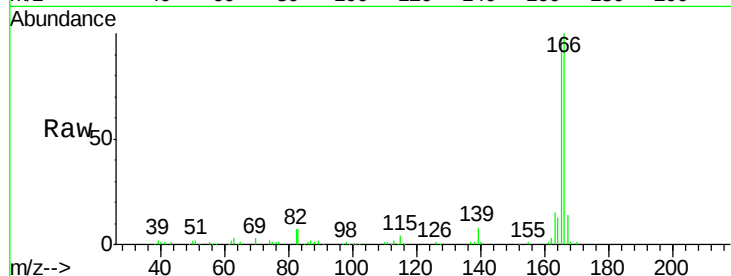
Tgt Ion:166 Resp: 127199

Ion Ratio Lower Upper

166 100

165 98.1 78.8 118.2

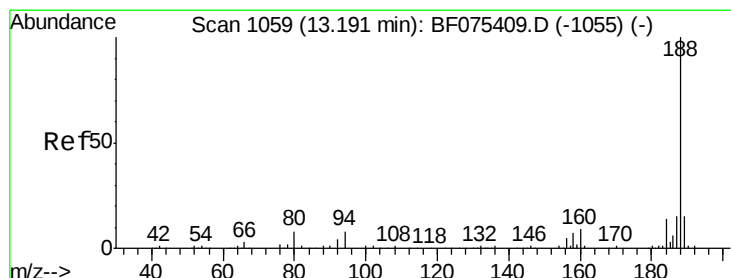
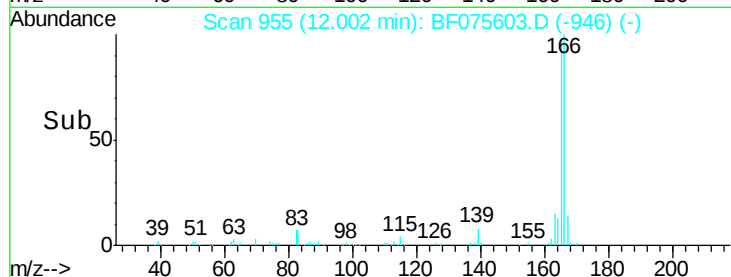
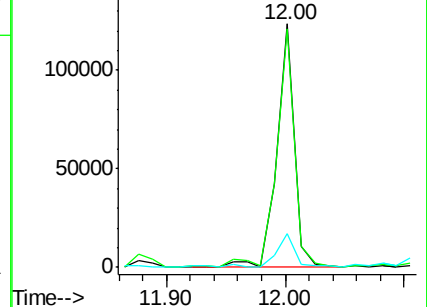
167 13.6 10.6 15.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 13.17 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BF075603.D

Acq: 17 Nov 2014 2:18

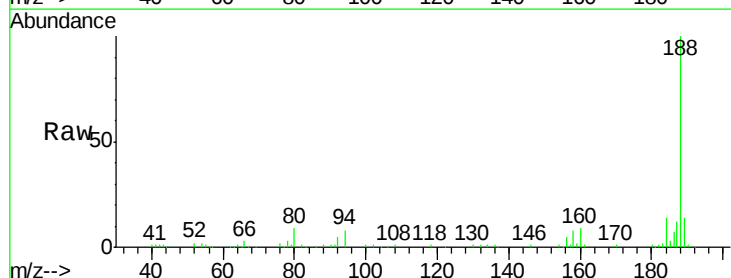
Tgt Ion:188 Resp: 104190

Ion Ratio Lower Upper

188 100

94 7.9 7.8 11.6

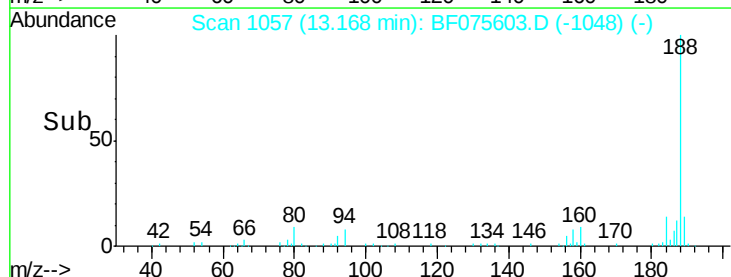
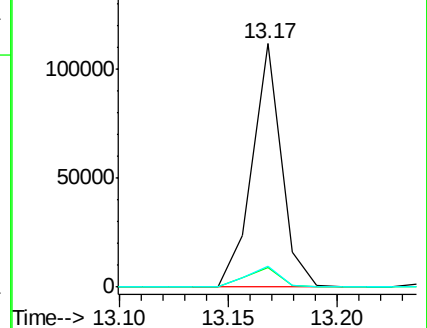
80 8.6 8.0 12.0

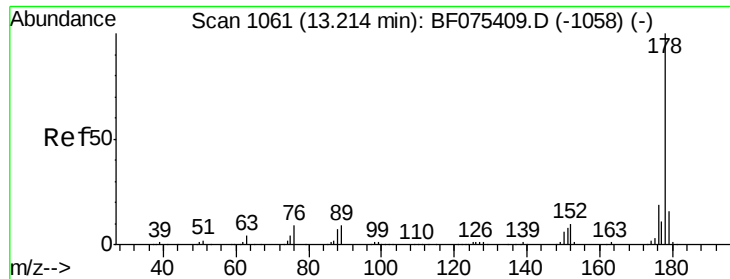


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

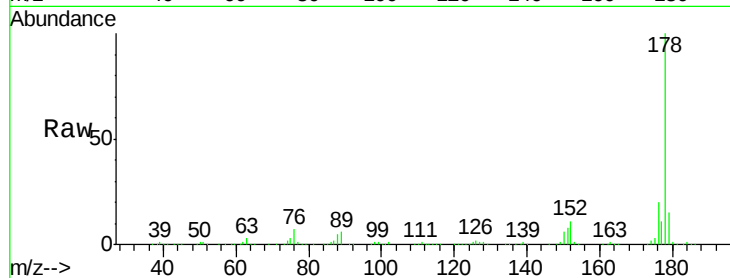




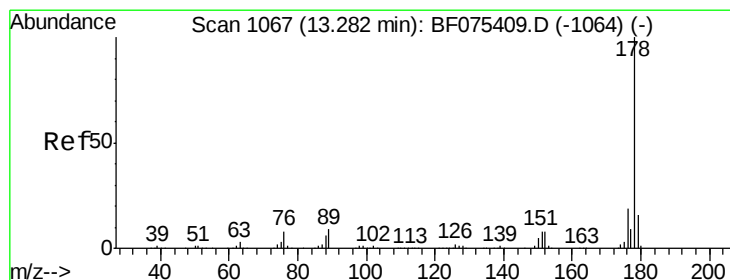
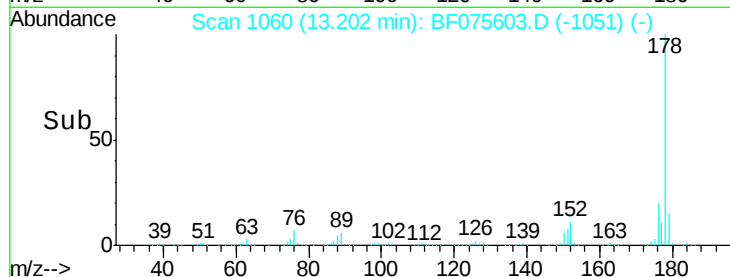
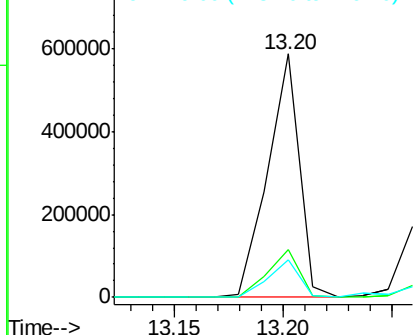
#70
Phenanthrene
Concen: 109.53 ng
RT: 13.20 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BF075603.D
Acq: 17 Nov 2014 2:18

Instrument :
BNA_F
ClientSampleId :
HUDPARK-B4-SS1(1-2)

Tgt Ion:178 Resp: 600614
Ion Ratio Lower Upper
178 100
176 19.8 15.3 22.9
179 15.4 12.2 18.4

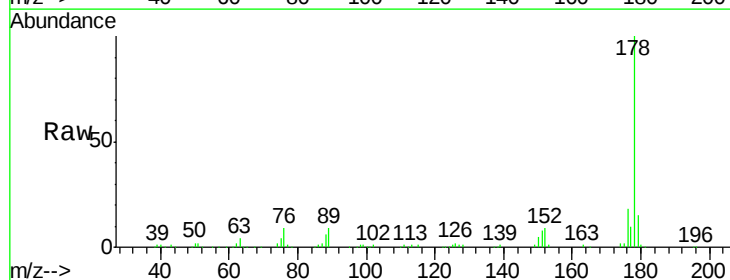


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

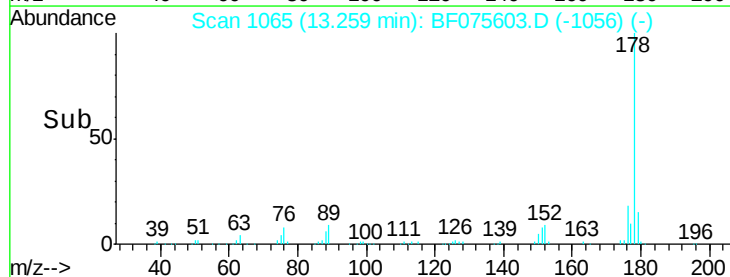
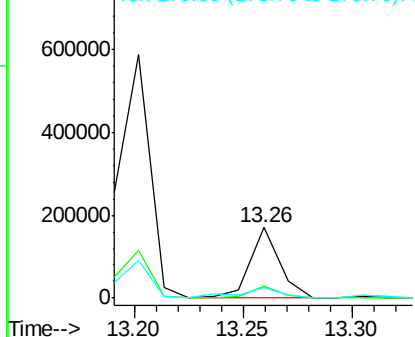


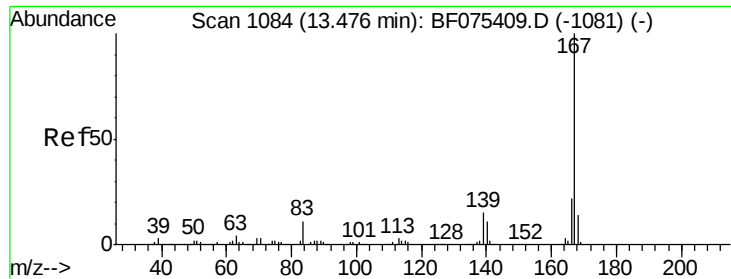
#71
Anthracene
Concen: 27.92 ng
RT: 13.26 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BF075603.D
Acq: 17 Nov 2014 2:18

Tgt Ion:178 Resp: 158222
Ion Ratio Lower Upper
178 100
176 17.5 15.1 22.7
179 14.8 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





#72

Carbazole

Concen: 12.01 ng

RT: 13.47 min Scan# 1083

Delta R.T. 0.00 min

Lab File: BF075603.D

Acq: 17 Nov 2014 2:18

Instrument :

BNA_F

ClientSampleId :

HUDPARK-B4-SS1(1-2)

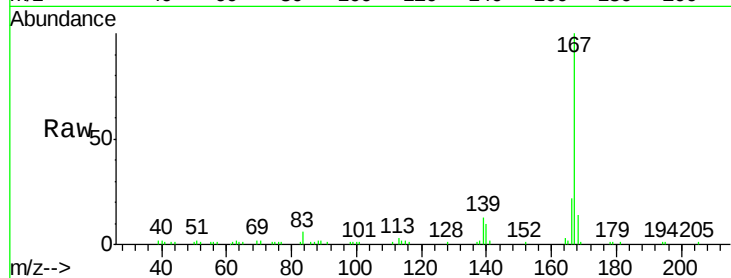
Tgt Ion:167 Resp: 66626

Ion Ratio Lower Upper

167 100

166 21.7 17.4 26.0

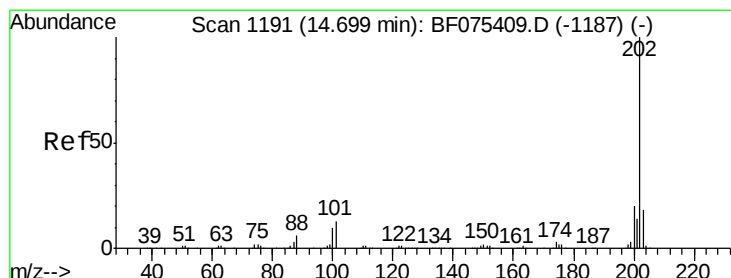
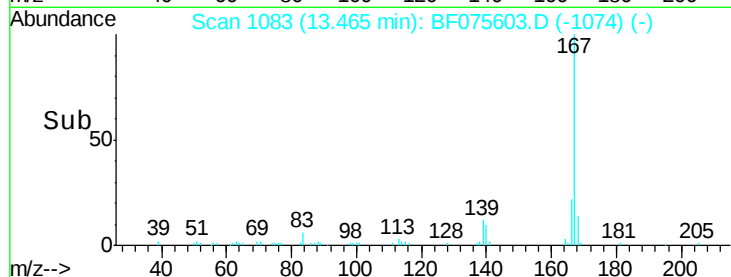
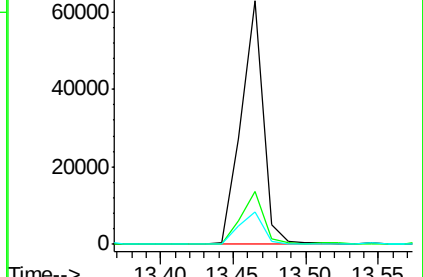
139 13.4 10.1 15.1



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 77.78 ng

RT: 14.68 min Scan# 1189

Delta R.T. 0.00 min

Lab File: BF075603.D

Acq: 17 Nov 2014 2:18

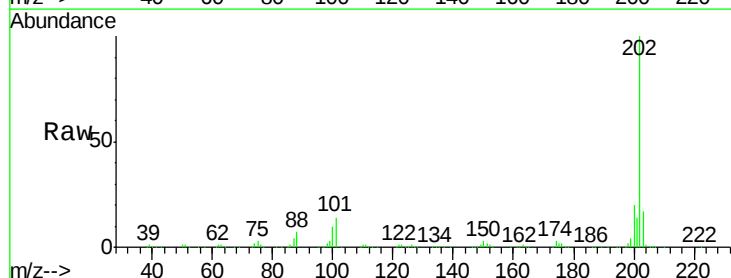
Tgt Ion:202 Resp: 456836

Ion Ratio Lower Upper

202 100

101 13.7 0.0 36.6

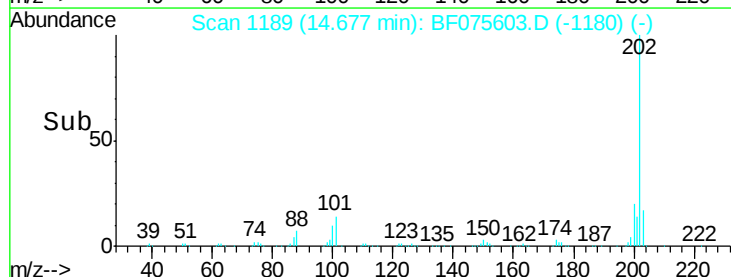
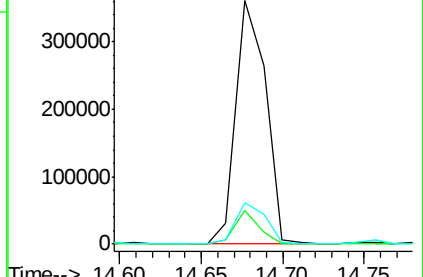
203 17.2 0.0 38.2

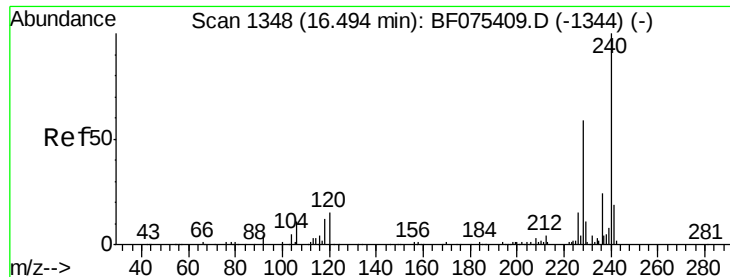


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF075603.D

Acq: 17 Nov 2014 2:18

Instrument :

BNA_F

ClientSampleId :

HUDPARK-B4-SS1(1-2)

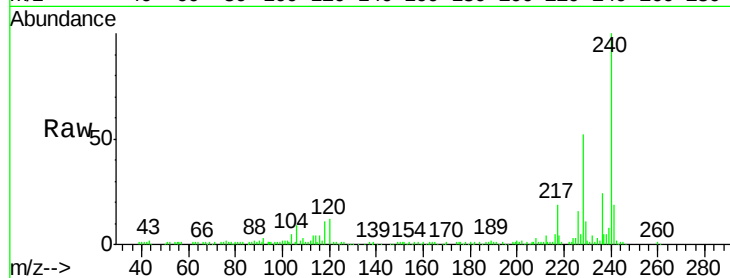
Tgt Ion:240 Resp: 108179

Ion Ratio Lower Upper

240 100

120 12.0 9.6 14.4

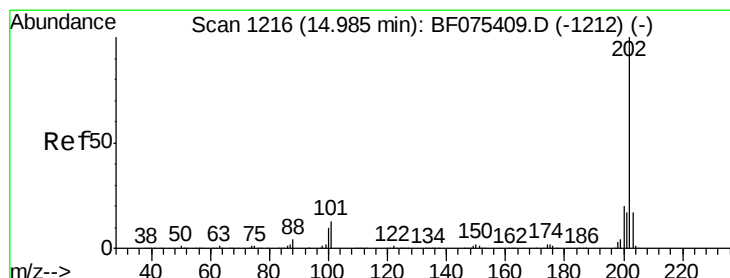
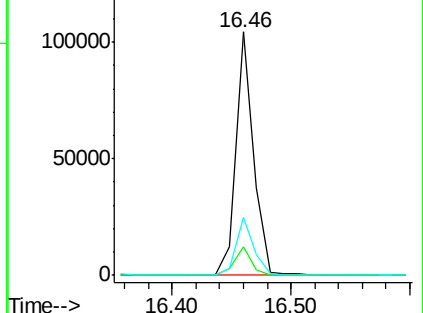
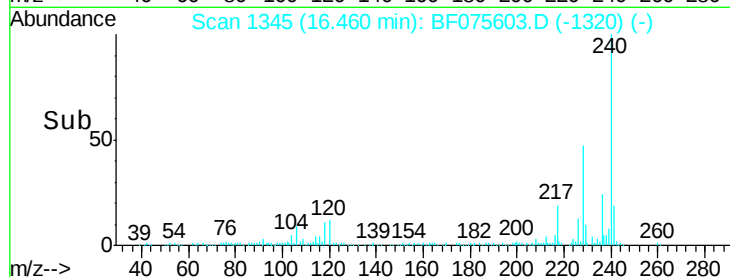
236 23.6 18.9 28.3



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: 53.79 ng

RT: 14.96 min Scan# 1214

Delta R.T. 0.00 min

Lab File: BF075603.D

Acq: 17 Nov 2014 2:18

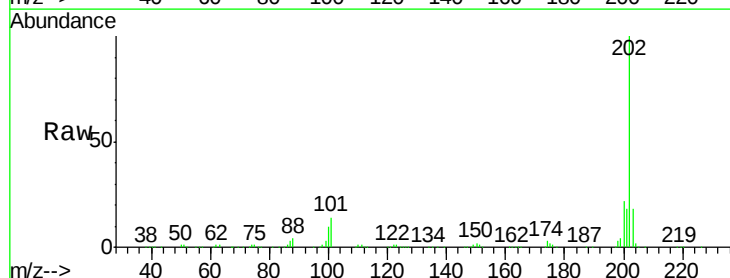
Tgt Ion:202 Resp: 338275

Ion Ratio Lower Upper

202 100

200 21.9 16.8 25.2

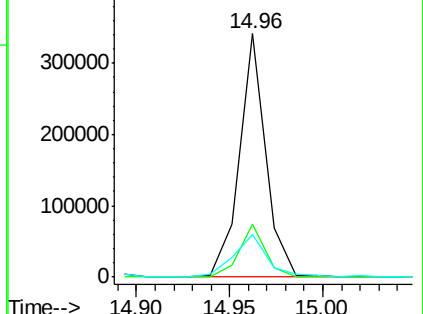
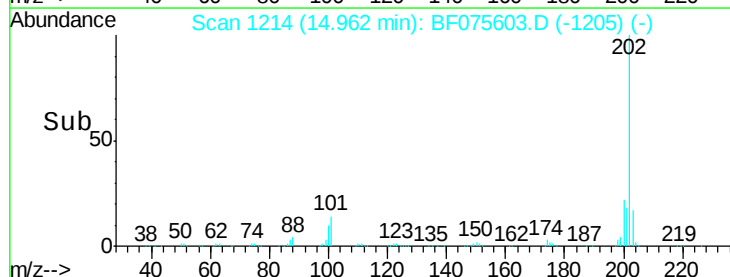
203 17.6 14.3 21.5

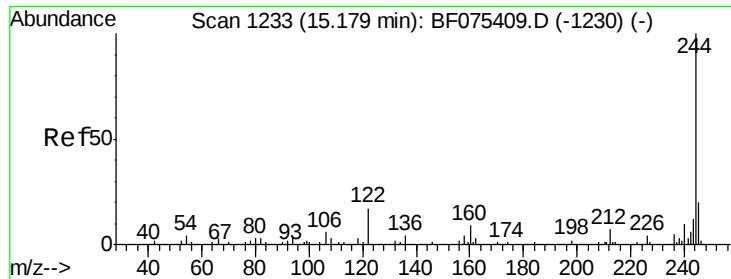


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

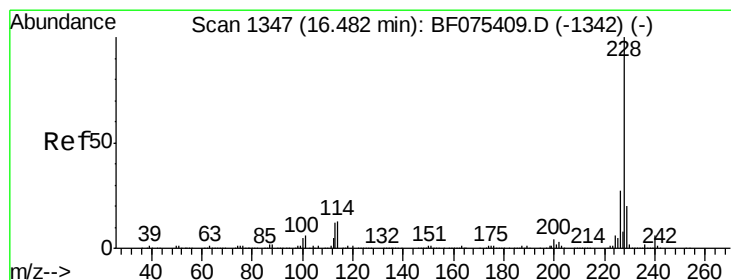
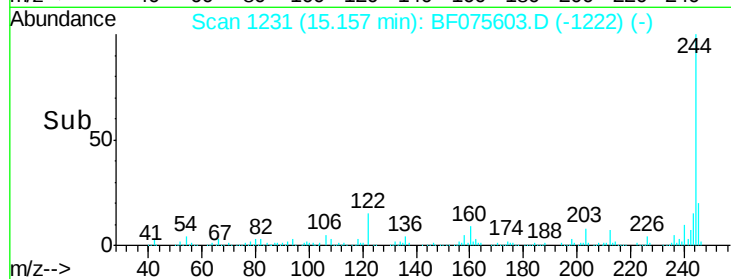
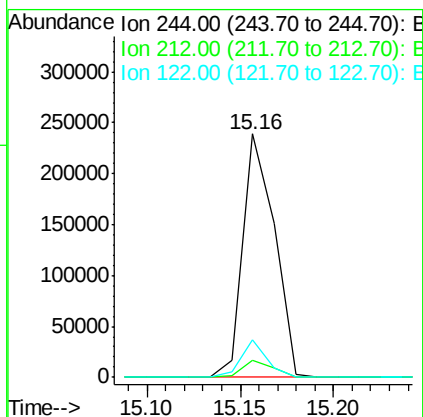
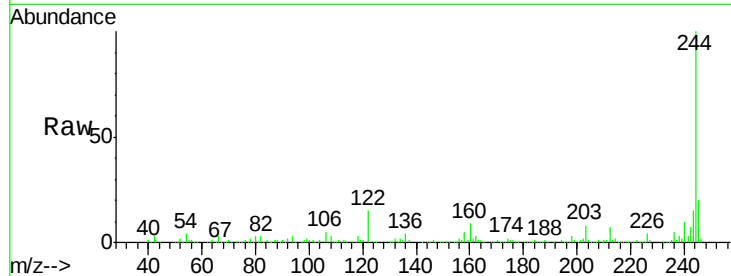




#78
 Terphenyl-d14
 Concen: 70.18 ng
 RT: 15.16 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF075603.D
 Acq: 17 Nov 2014 2:18

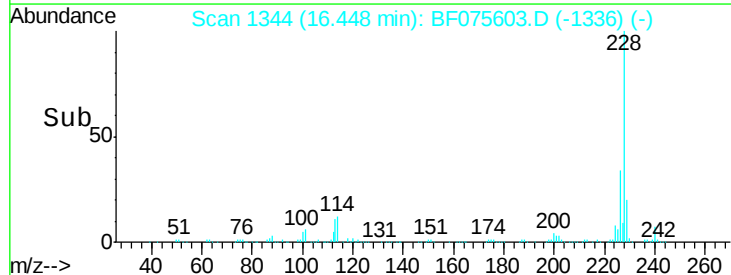
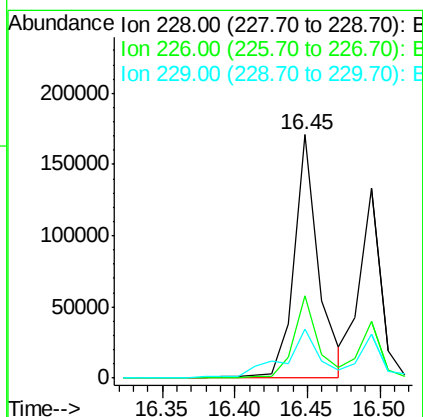
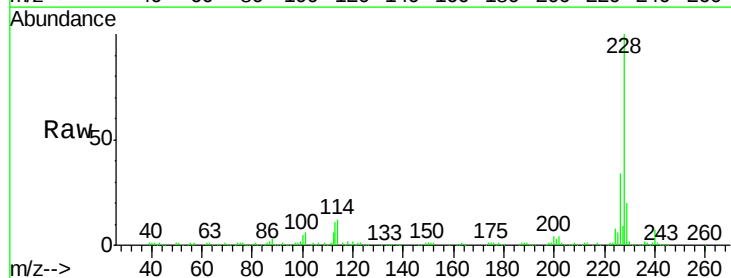
Instrument :
 BNA_F
 ClientSampleId :
 HUDPARK-B4-SS1(1-2)

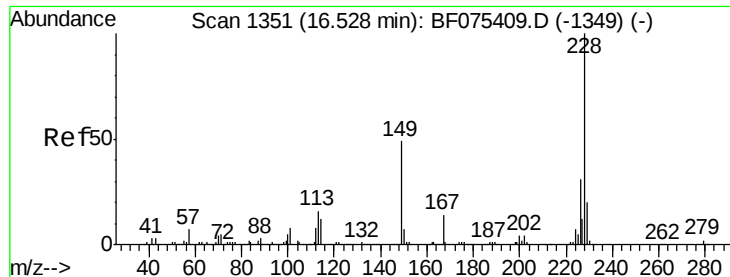
Tgt Ion:244 Resp: 281988
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.5 8.3
 122 15.4 9.7 14.5#



#80
 Benzo(a)anthracene
 Concen: 34.93 ng
 RT: 16.45 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: BF075603.D
 Acq: 17 Nov 2014 2:18

Tgt Ion:228 Resp: 198522
 Ion Ratio Lower Upper
 228 100
 226 34.0 21.8 32.8#
 229 20.2 15.3 22.9





#82

Chrysene

Concen: 27.24 ng

RT: 16.49 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF075603.D

Acq: 17 Nov 2014 2:18

Instrument :

BNA_F

ClientSampleId :

HUDPARK-B4-SS1(1-2)

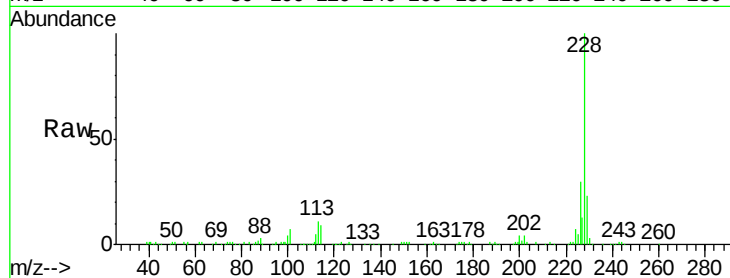
Tgt Ion:228 Resp: 133871

Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.6

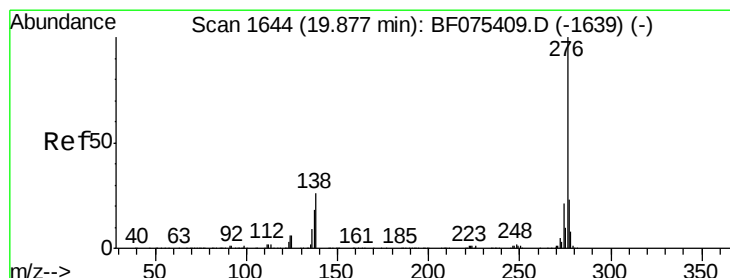
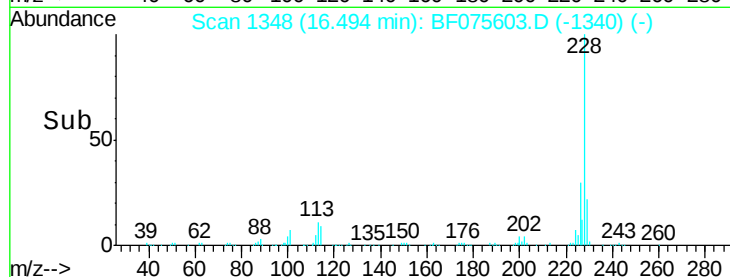
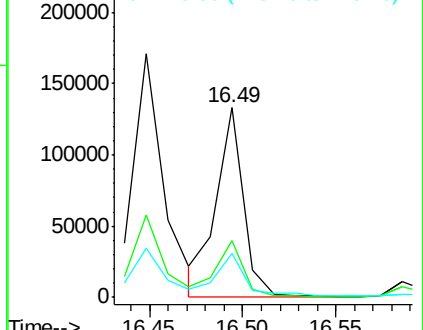
229 23.0 15.8 23.6



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: 10.22 ng

RT: 19.74 min Scan# 1632

Delta R.T. -0.07 min

Lab File: BF075603.D

Acq: 17 Nov 2014 2:18

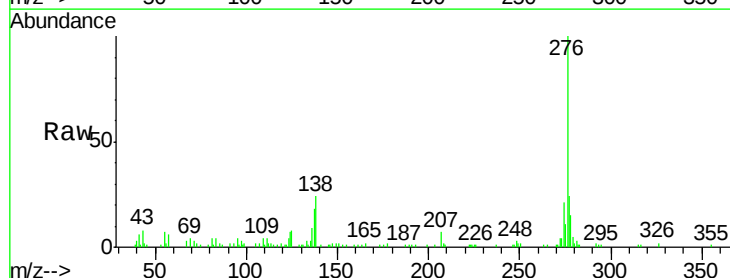
Tgt Ion:276 Resp: 60944

Ion Ratio Lower Upper

276 100

138 24.6 0.0 0.0#

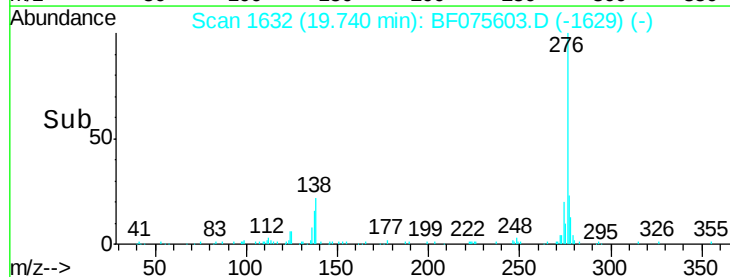
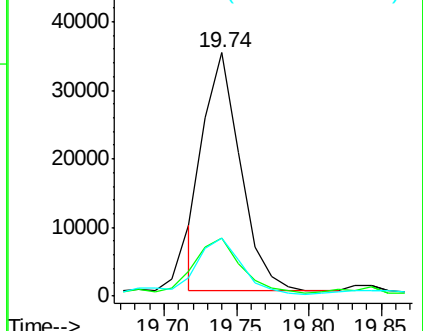
277 25.2 0.0 0.0#

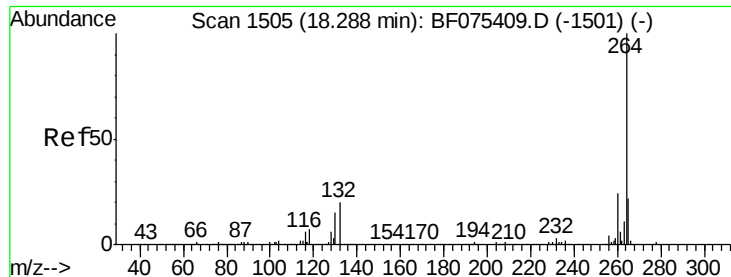


Abundance Ion 276.00 (275.70 to 276.70): E

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: BF075603.D

Acq: 17 Nov 2014 2:18

Instrument :

BNA_F

ClientSampleId :

HUDPARK-B4-SS1(1-2)

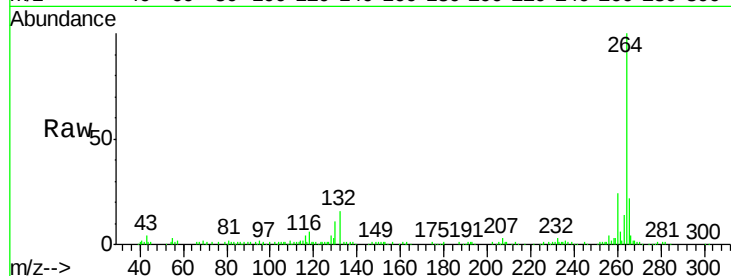
Tgt Ion:264 Resp: 112368

Ion Ratio Lower Upper

264 100

260 23.6 17.9 26.9

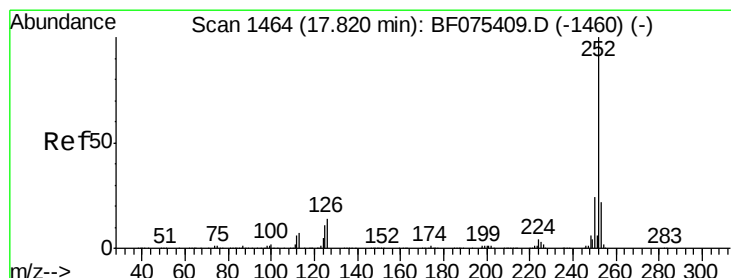
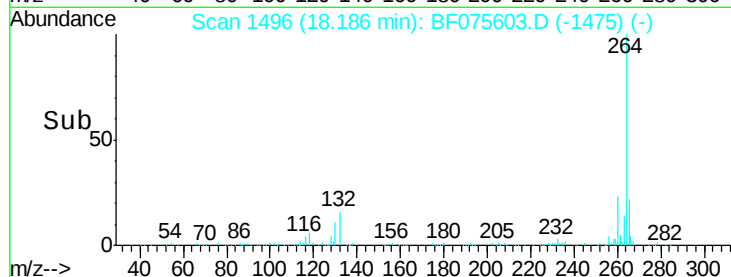
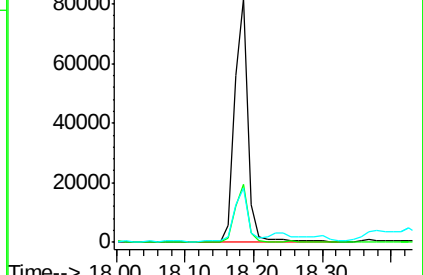
265 22.2 16.3 24.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 40.21 ng

RT: 17.72 min Scan# 1455

Delta R.T. -0.06 min

Lab File: BF075603.D

Acq: 17 Nov 2014 2:18

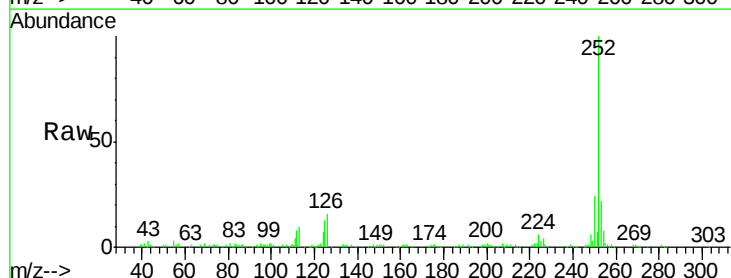
Tgt Ion:252 Resp: 241597

Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

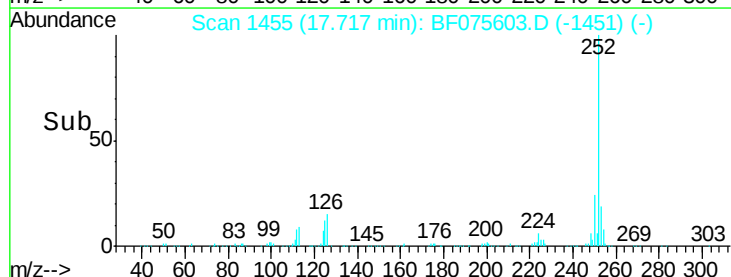
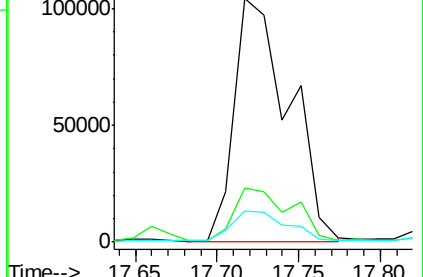
125 12.9 11.8 17.6

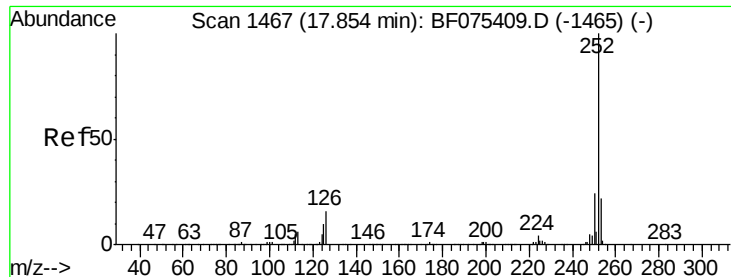


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 45.00 ng

RT: 17.72 min Scan# 1455

Delta R.T. -0.09 min

Lab File: BF075603.D

Acq: 17 Nov 2014 2:18

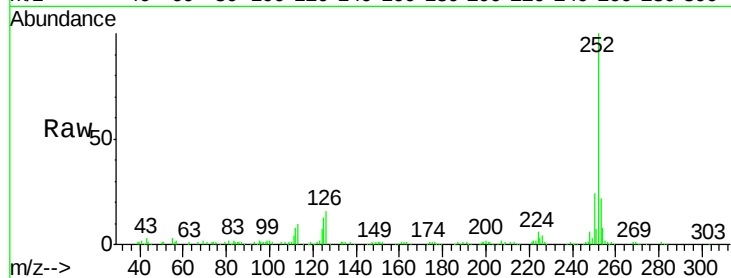
Instrument :

BNA_F

ClientSampleId :

HUDPARK-B4-SS1(1-2)

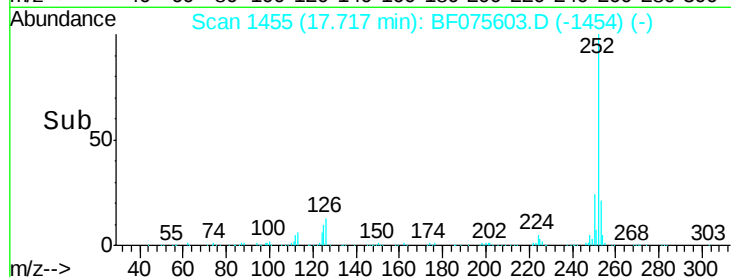
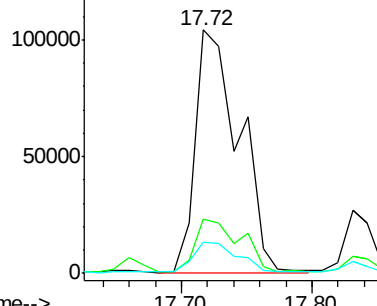
Tgt Ion:	252	Resp:	242609
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.1	27.1
125	12.9	11.6	17.4



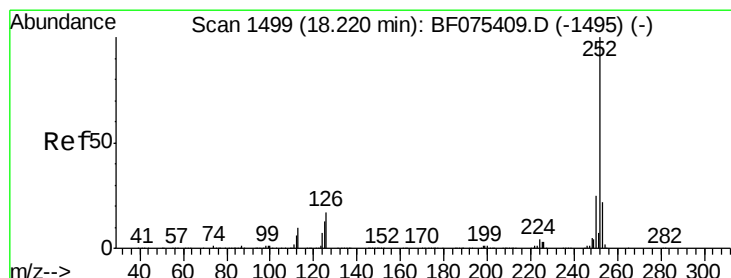
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#89

Benzo(a)pyrene

Concen: 9.46 ng

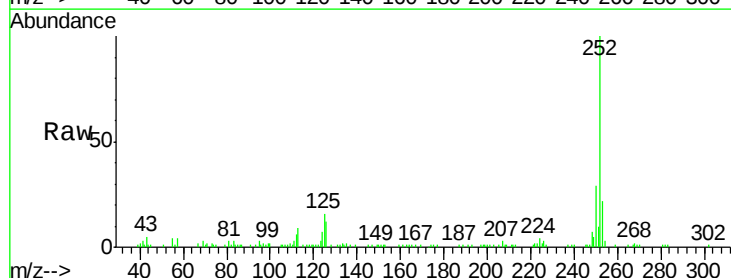
RT: 18.05 min Scan# 1484

Delta R.T. -0.13 min

Lab File: BF075603.D

Acq: 17 Nov 2014 2:18

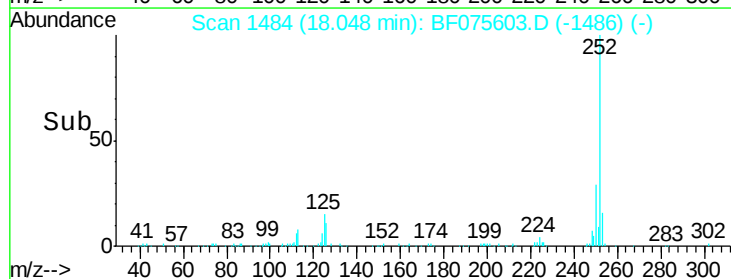
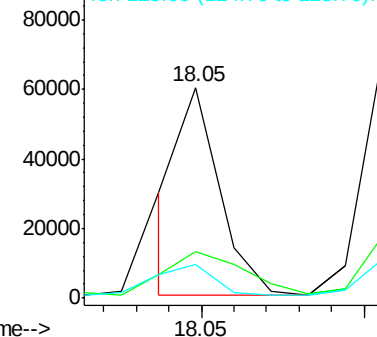
Tgt Ion:	252	Resp:	50878
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.1	25.7
125	15.9	12.2	18.4



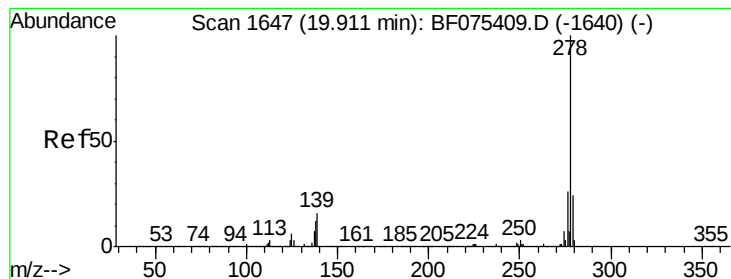
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#90

Dibenzo(a,h)anthracene

Concen: 3.67 ng

RT: 19.76 min Scan# 1634

Delta R.T. -0.08 min

Lab File: BF075603.D

Acq: 17 Nov 2014 2:18

Instrument :

BNA_F

ClientSampleId :

HUDPARK-B4-SS1(1-2)

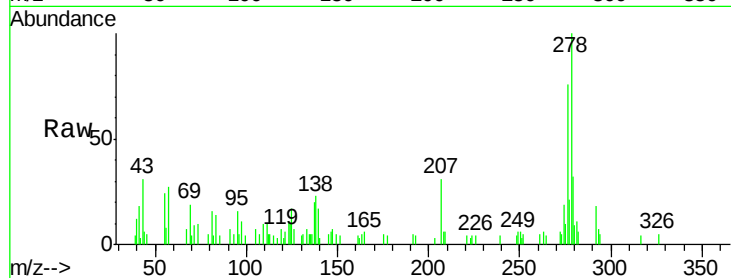
Tgt Ion: 278 Resp: 20618

Ion Ratio Lower Upper

278 100

139 17.2 13.6 20.4

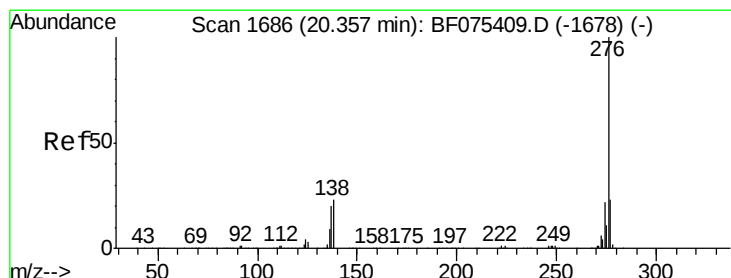
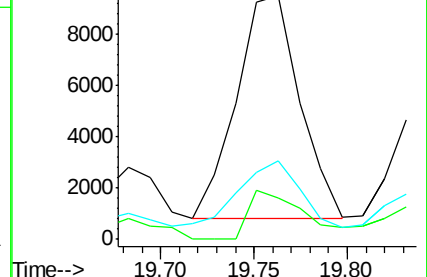
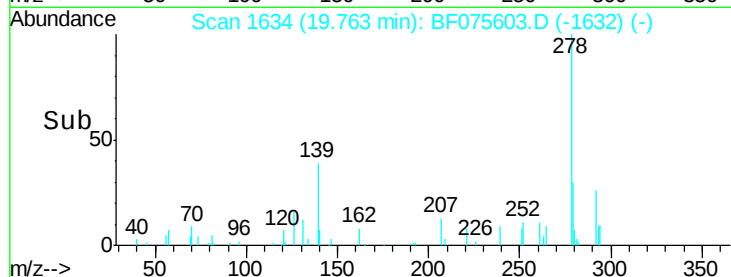
279 32.3 19.4 29.0#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 11.29 ng

RT: 20.21 min Scan# 1673

Delta R.T. -0.08 min

Lab File: BF075603.D

Acq: 17 Nov 2014 2:18

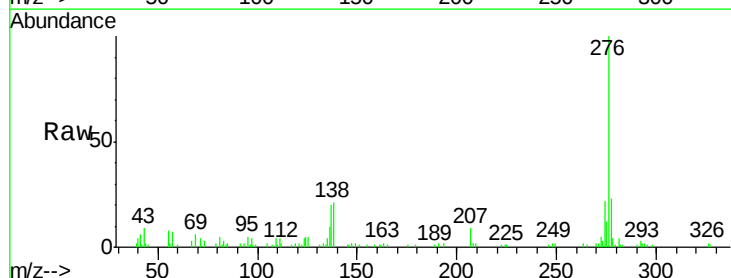
Tgt Ion: 276 Resp: 60412

Ion Ratio Lower Upper

276 100

277 23.1 17.8 26.8

138 20.6 22.8 34.2#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

