

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
 Data File : BF075601.D
 Acq On : 17 Nov 2014 1:22
 Operator : TP / JJ
 Sample : F4755-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HUDPARK-B2-SS1(1-2)

Quant Time: Nov 17 06:10:16 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	27177	20.00	ng	0.00
21) Naphthalene-d8	9.13	136	113136	20.00	ng	0.00
38) Acenaphthene-d10	11.32	164	59935	20.00	ng	0.00
63) Phenanthrene-d10	13.17	188	103786	20.00	ng	0.00
75) Chrysene-d12	16.46	240	104232	20.00	ng	-0.01
86) Perylene-d12	18.20	264	110161	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.85	112	175071	113.80	ng	0.00
7) Phenol-d6	7.11	99	226100	122.22	ng	0.00
23) Nitrobenzene-d5	8.24	82	126281	81.83	ng	0.00
41) 2,4,6-Tribromophenol	12.30	330	57237	114.02	ng	0.00
44) 2-Fluorobiphenyl	10.48	172	239454	72.19	ng	0.00
78) Terphenyl-d14	15.16	244	233435	60.29	ng	0.00

Target Compounds

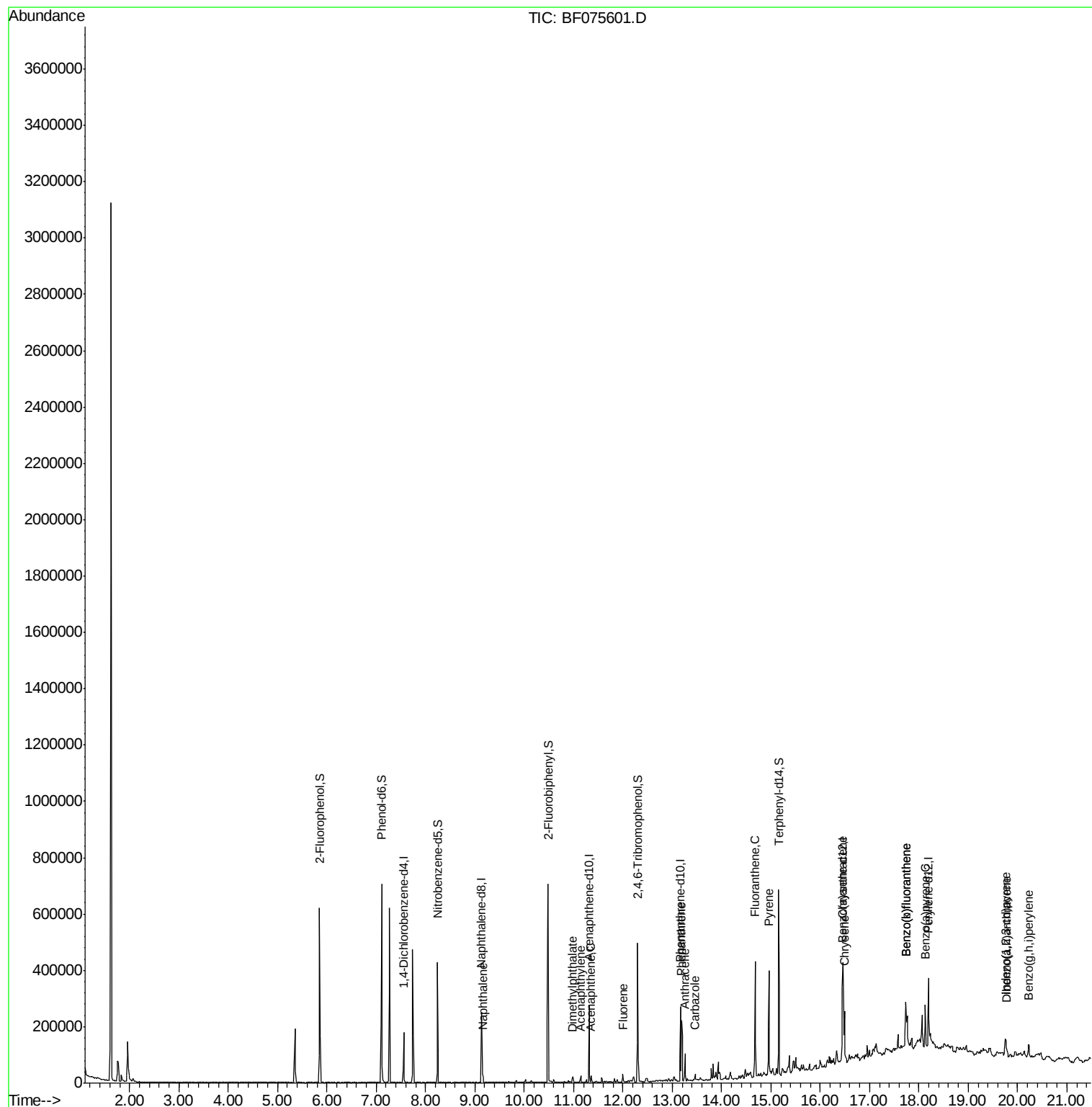
						Qvalue
31) Naphthalene	9.16	128	16368	3.25	ng	# 94
48) Acenaphthylene	11.14	152	12160	2.33	ng	97
49) Dimethylphthalate	10.98	163	10819	2.64	ng	96
51) Acenaphthene	11.35	154	6361	2.02	ng	86
57) Fluorene	12.00	166	10188	2.80	ng	98
70) Phenanthrene	13.19	178	114913	21.04	ng	99
71) Anthracene	13.26	178	38488	6.82	ng	99
72) Carbazole	13.47	167	11734	2.12	ng	98
74) Fluoranthene	14.68	202	175310	29.97	ng	95
77) Pyrene	14.96	202	169117	27.91	ng	98
80) Benzo(a)anthracene	16.45	228	97022	17.72	ng	95
82) Chrysene	16.49	228	71887	15.18	ng	97
85) Indeno(1,2,3-cd)pyrene	19.75	276	44390	7.73	ng	# 100
87) Benzo(b)fluoranthene	17.74	252	131202	22.28	ng	97
88) Benzo(k)fluoranthene	17.74	252	131770	24.93	ng	97
89) Benzo(a)pyrene	18.13	252	71765	13.62	ng	95
90) Dibenzo(a,h)anthracene	19.77	278	11638	2.11	ng	# 82
91) Benzo(g,h,i)perylene	20.22	276	44702	8.52	ng	97

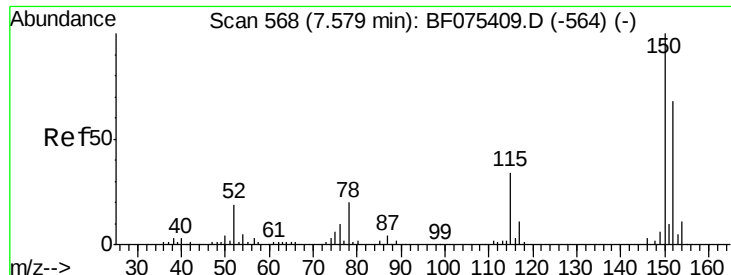
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 17 06:10:16 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 566

Delta R.T. 0.00 min

Lab File: BF075601.D

Acq: 17 Nov 2014 1:22

Instrument :

BNA_F

ClientSampleId :

HUDPARK-B2-SS1(1-2)

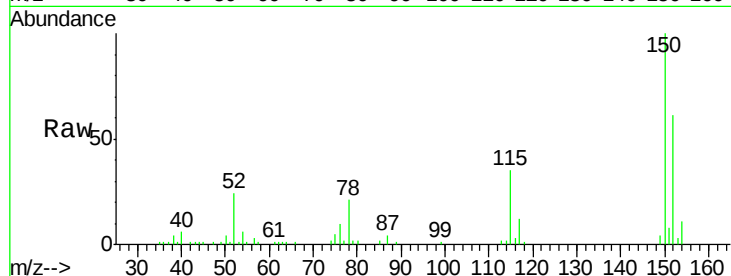
Tgt Ion:152 Resp: 27177

Ion Ratio Lower Upper

152 100

150 163.7 127.2 190.8

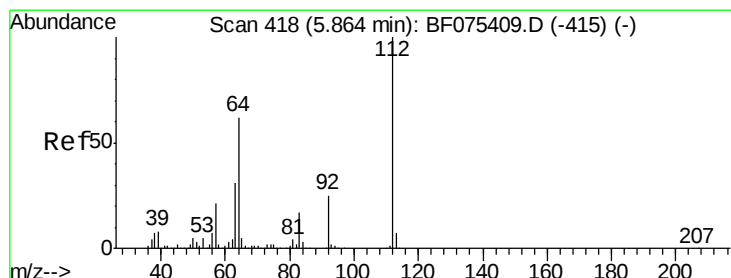
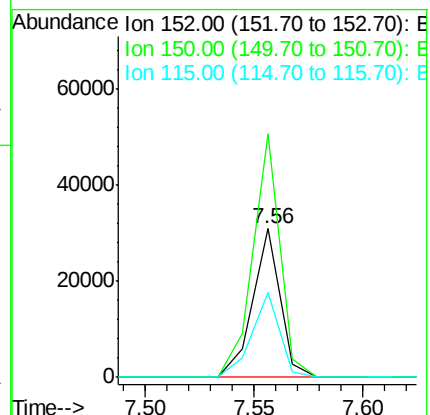
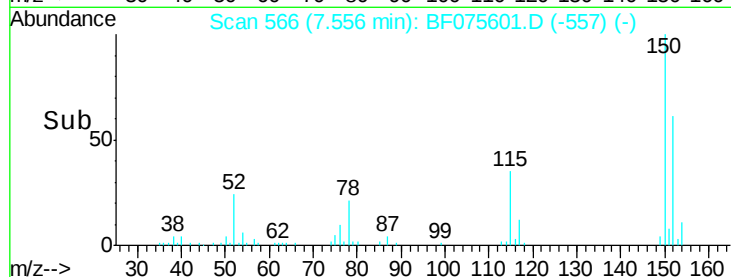
115 57.3 57.1 85.7



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: 113.80 ng

RT: 5.85 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF075601.D

Acq: 17 Nov 2014 1:22

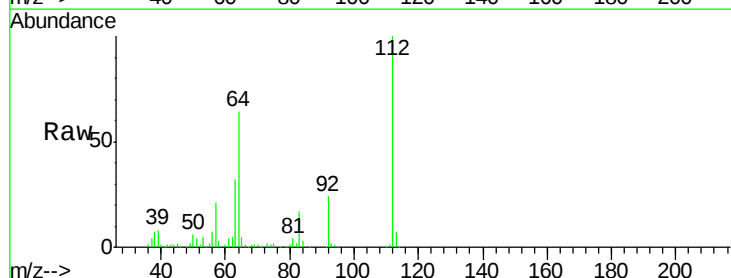
Tgt Ion:112 Resp: 175071

Ion Ratio Lower Upper

112 100

64 63.6 45.8 68.6

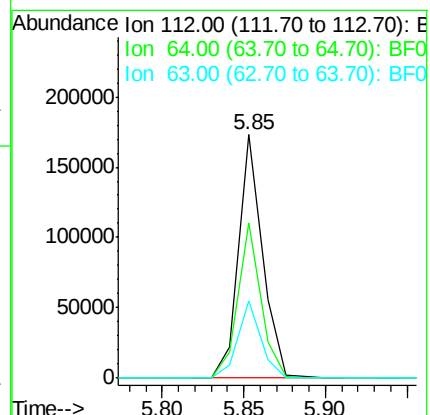
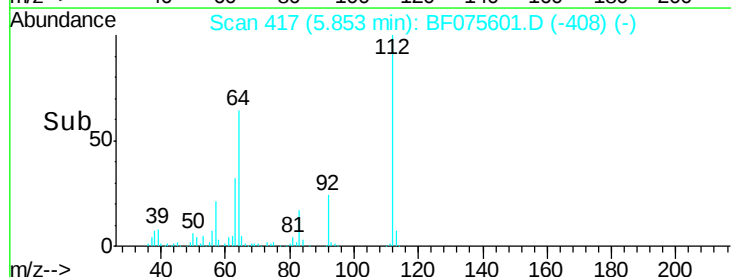
63 31.7 22.7 34.1

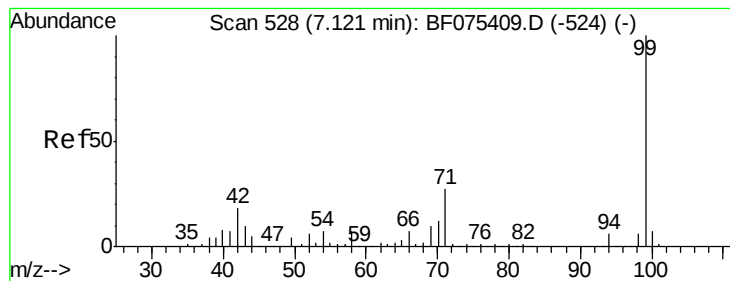


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 122.22 ng

RT: 7.11 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF075601.D

Acq: 17 Nov 2014 1:22

Instrument :

BNA_F

ClientSampleId :

HUDPARK-B2-SS1(1-2)

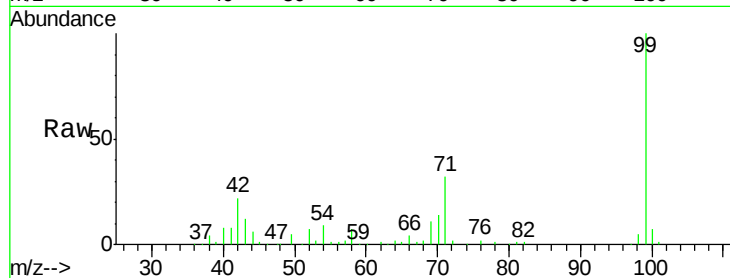
Tgt Ion: 99 Resp: 226100

Ion Ratio Lower Upper

99 100

42 22.3 19.8 29.6

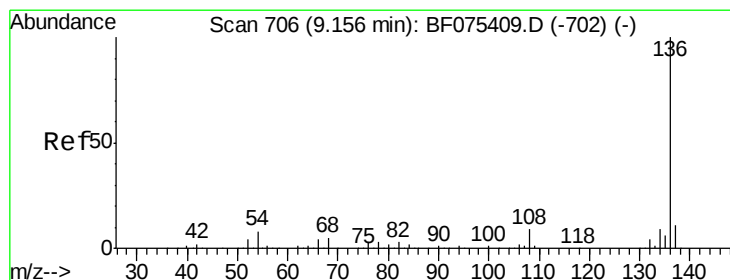
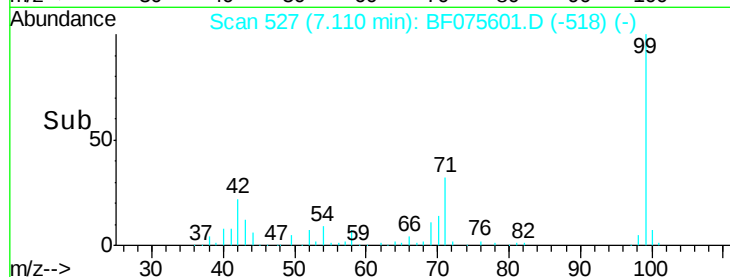
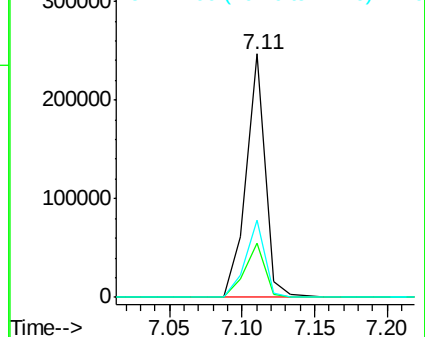
71 31.8 25.5 38.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.13 min Scan# 704

Delta R.T. 0.00 min

Lab File: BF075601.D

Acq: 17 Nov 2014 1:22

Tgt Ion: 136 Resp: 113136

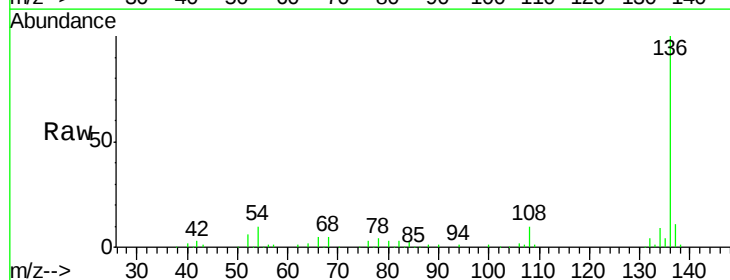
Ion Ratio Lower Upper

136 100

137 11.4 8.2 12.4

54 9.6 6.2 9.4#

68 4.8 3.4 5.2

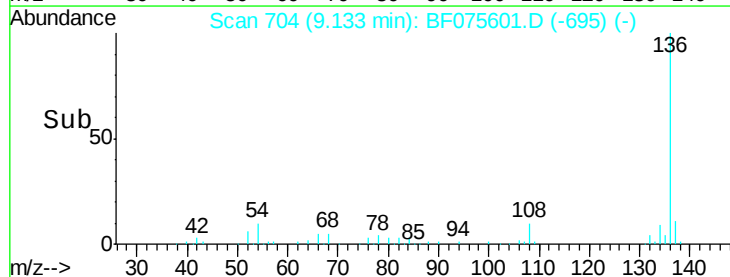
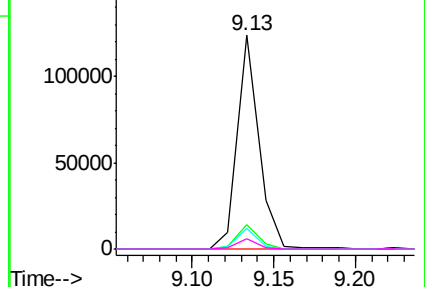


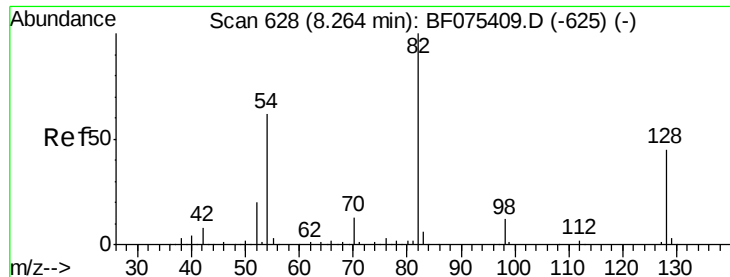
Abundance Ion 136.00 (135.70 to 136.70): E

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

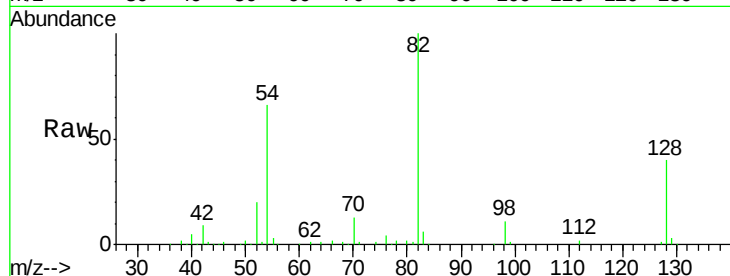




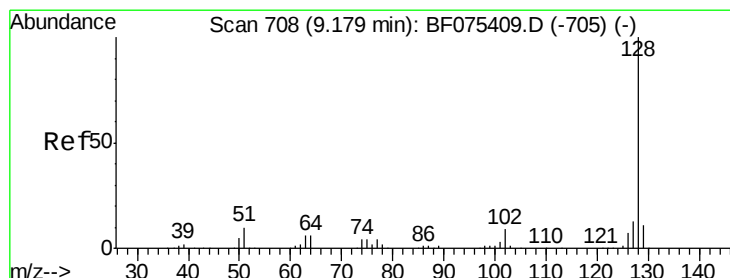
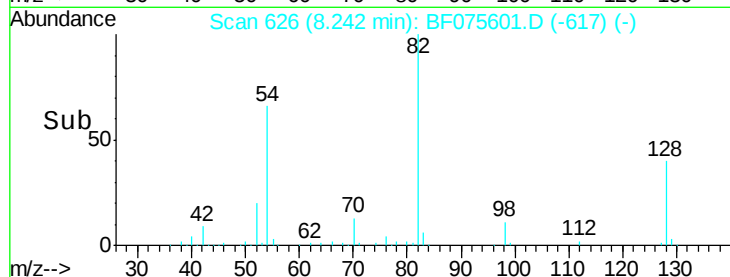
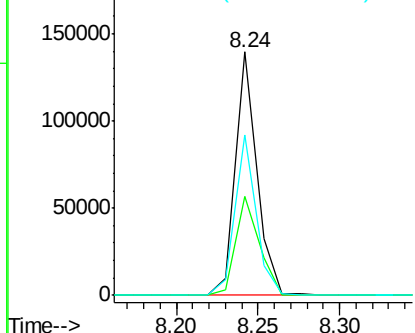
#23
 Nitrobenzene-d5
 Concen: 81.83 ng
 RT: 8.24 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF075601.D
 Acq: 17 Nov 2014 1:22

Instrument :
 BNA_F
 ClientSampleId :
 HUDPARK-B2-SS1(1-2)

Tgt Ion: 82 Resp: 126281
 Ion Ratio Lower Upper
 82 100
 128 40.4 37.8 56.6
 54 66.1 49.8 74.8

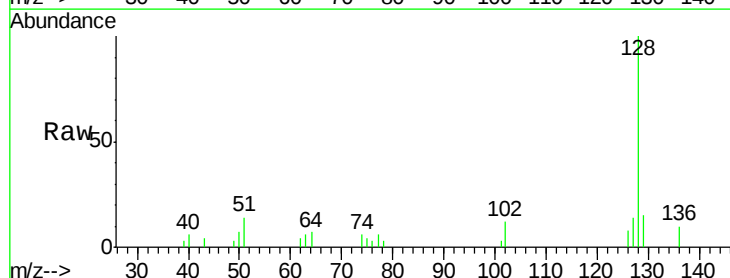


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

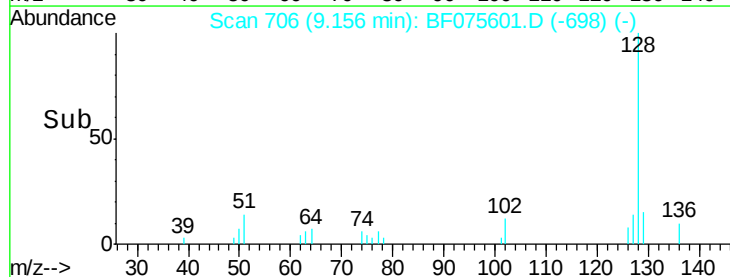
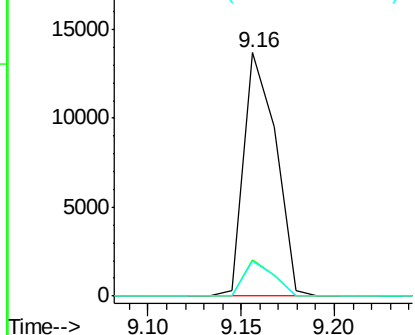


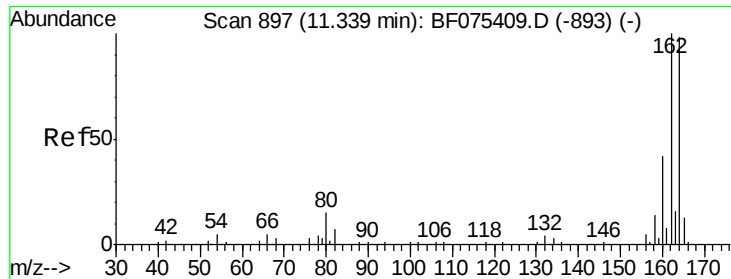
#31
 Naphthalene
 Concen: 3.25 ng
 RT: 9.16 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: BF075601.D
 Acq: 17 Nov 2014 1:22

Tgt Ion: 128 Resp: 16368
 Ion Ratio Lower Upper
 128 100
 129 14.7 9.0 13.4#
 127 14.4 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

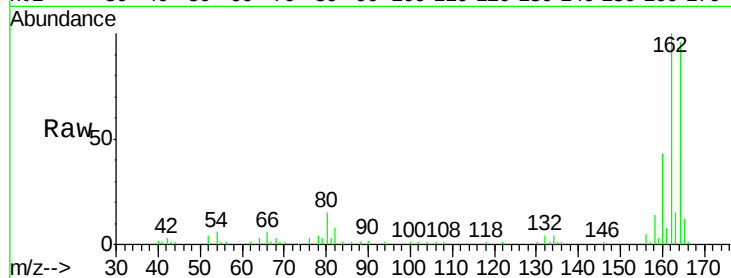




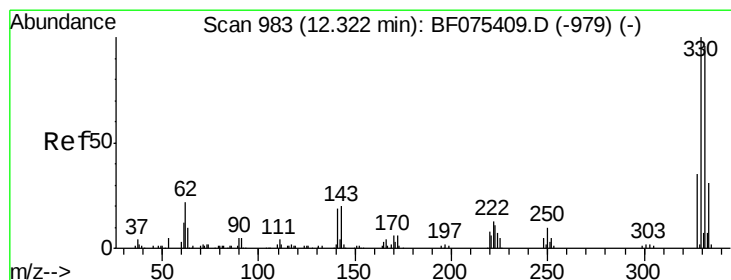
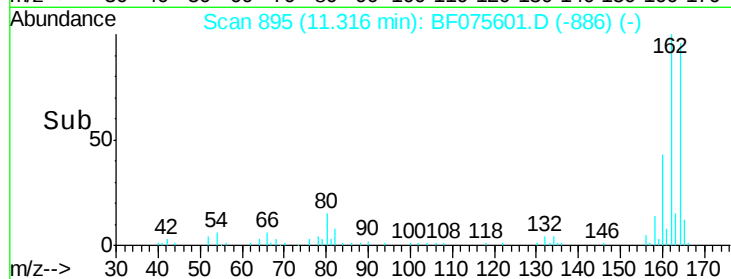
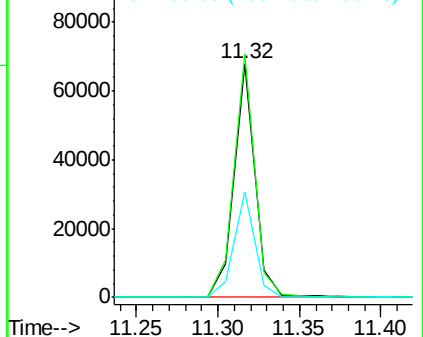
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: BF075601.D
 Acq: 17 Nov 2014 1:22

Instrument :
 BNA_F
 ClientSampleId :
 HUDPARK-B2-SS1(1-2)

Tgt Ion:164 Resp: 59935
 Ion Ratio Lower Upper
 164 100
 162 104.2 79.1 118.7
 160 45.3 34.6 51.8

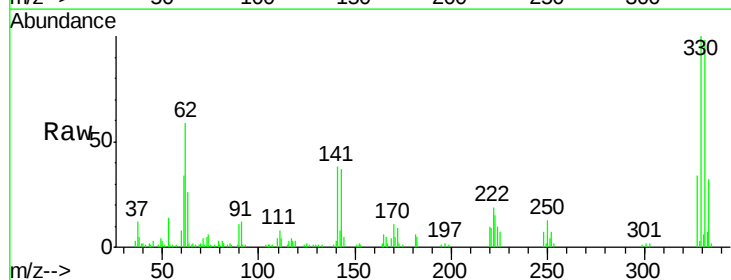


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

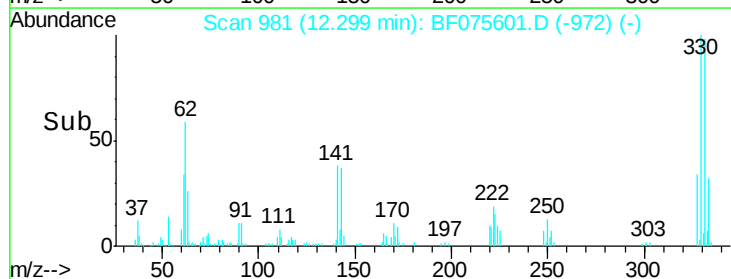
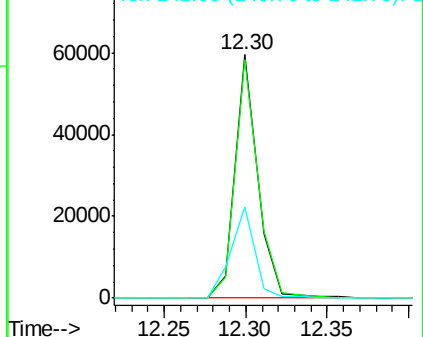


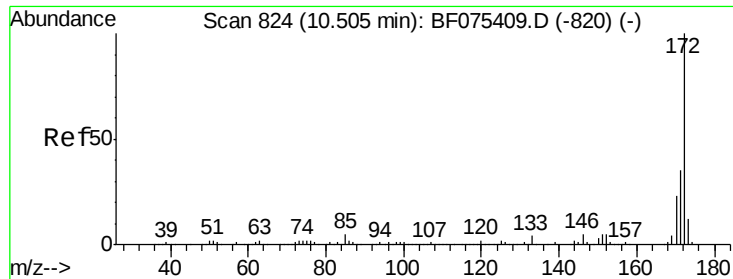
#41
 2,4,6-Tribromophenol
 Concen: 114.02 ng
 RT: 12.30 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: BF075601.D
 Acq: 17 Nov 2014 1:22

Tgt Ion:330 Resp: 57237
 Ion Ratio Lower Upper
 330 100
 332 98.4 74.5 111.7
 141 39.5 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

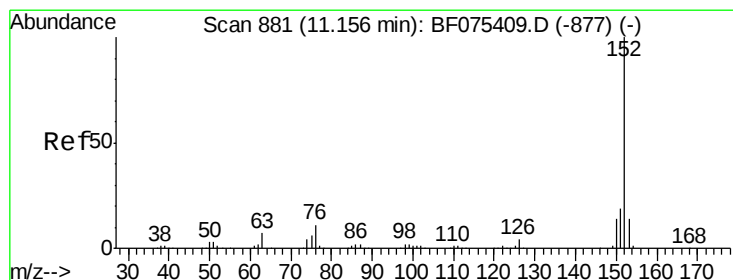
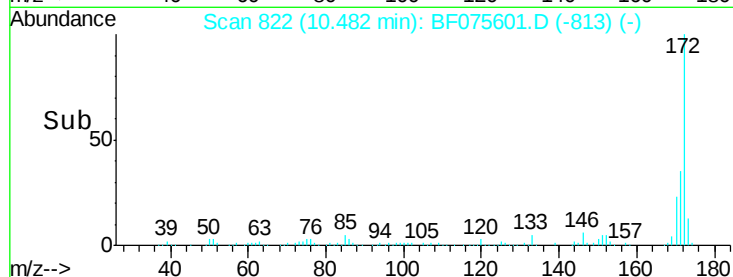
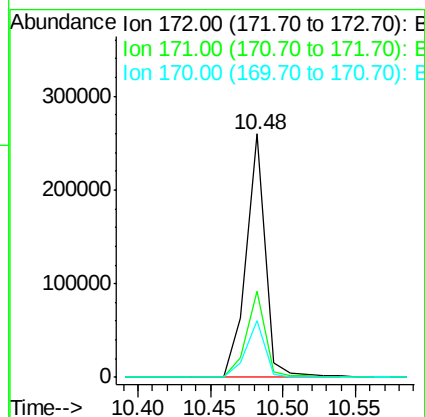
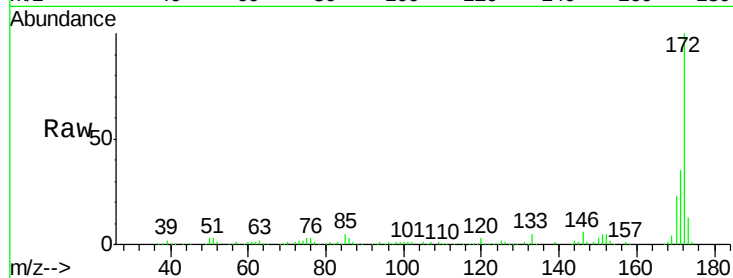




#44
 2-Fluorobiphenyl
 Concen: 72.19 ng
 RT: 10.48 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: BF075601.D
 Acq: 17 Nov 2014 1:22

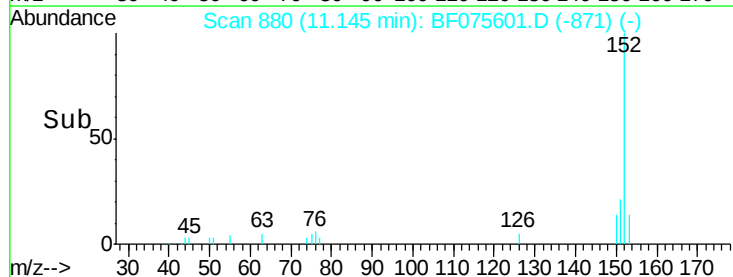
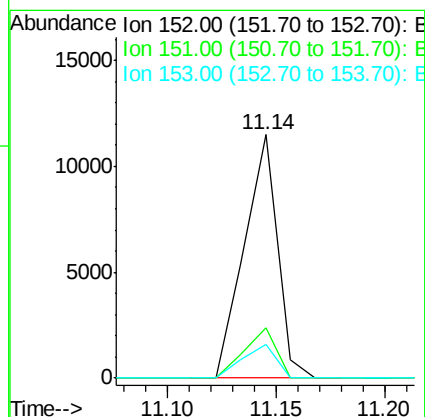
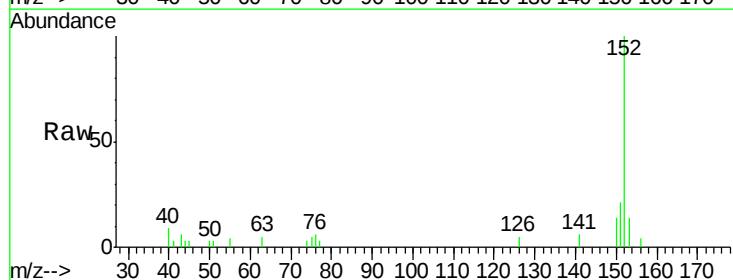
Instrument :
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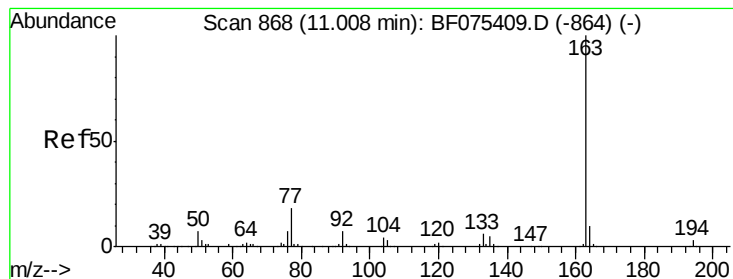
Tgt Ion:172 Resp: 239454
 Ion Ratio Lower Upper
 172 100
 171 35.2 27.3 40.9
 170 23.4 18.4 27.6



#48
 Acenaphthylene
 Concen: 2.33 ng
 RT: 11.14 min Scan# 880
 Delta R.T. 0.00 min
 Lab File: BF075601.D
 Acq: 17 Nov 2014 1:22

Tgt Ion:152 Resp: 12160
 Ion Ratio Lower Upper
 152 100
 151 20.5 15.4 23.2
 153 13.8 10.0 15.0





#49

Dimethylphthalate

Concen: 2.64 ng

RT: 10.98 min Scan# 866

Delta R.T. 0.00 min

Lab File: BF075601.D

Acq: 17 Nov 2014 1:22

Instrument :

BNA_F

ClientSampleId :

HUDPARK-B2-SS1(1-2)

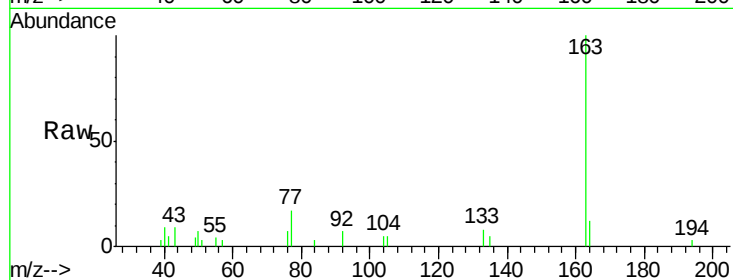
Tgt Ion:163 Resp: 10819

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

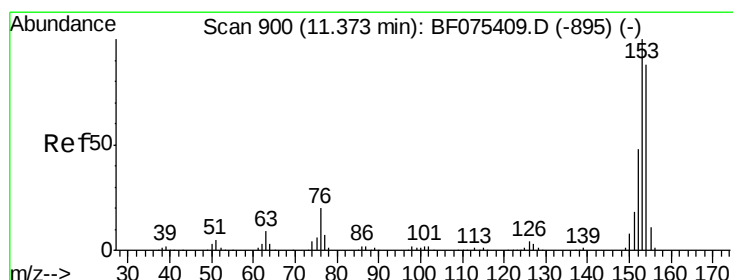
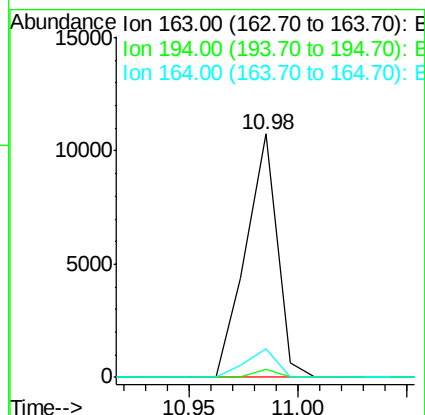
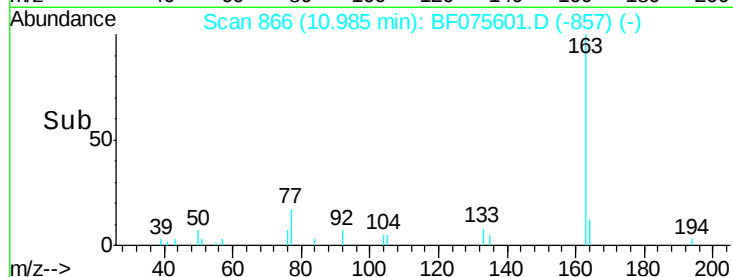
164 11.8 8.0 12.0



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: 2.02 ng

RT: 11.35 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF075601.D

Acq: 17 Nov 2014 1:22

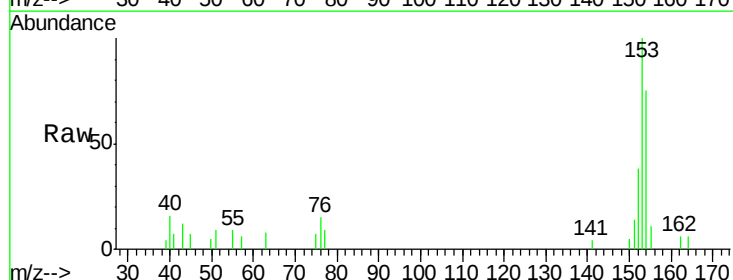
Tgt Ion:154 Resp: 6361

Ion Ratio Lower Upper

154 100

153 133.4 91.2 136.8

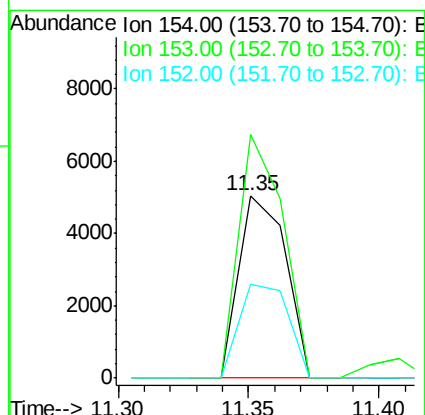
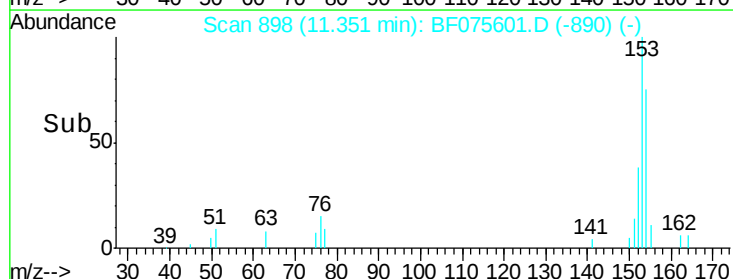
152 51.2 43.4 65.0

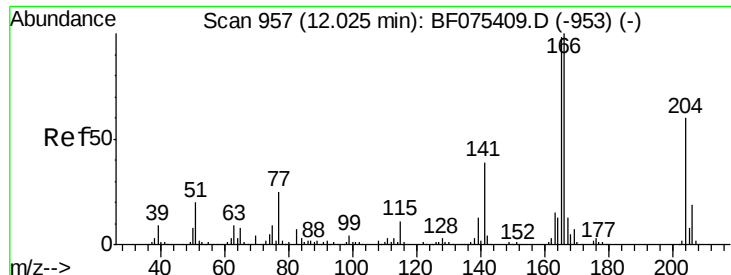


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

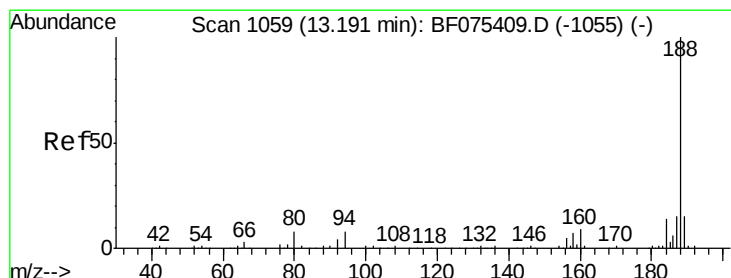
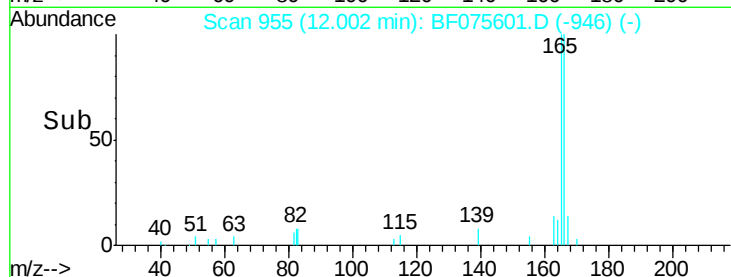
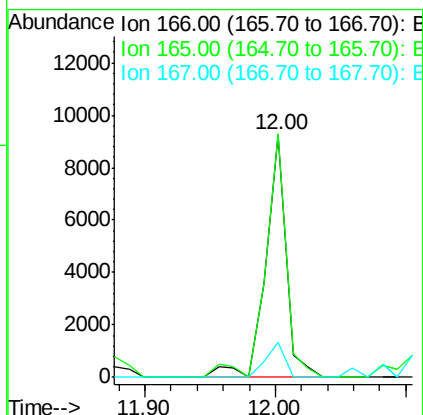
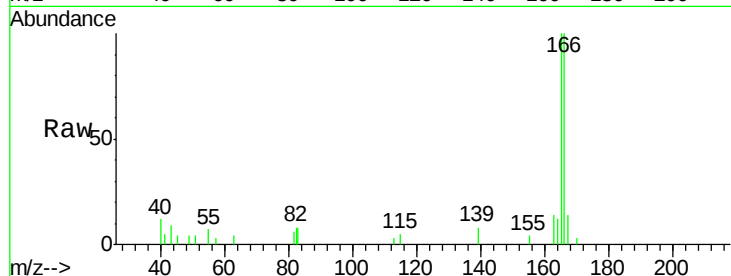




#57
Fluorene
 Concen: 2.80 ng
 RT: 12.00 min Scan# 955
 Delta R.T. 0.00 min
 Lab File: BF075601.D
 Acq: 17 Nov 2014 1:22

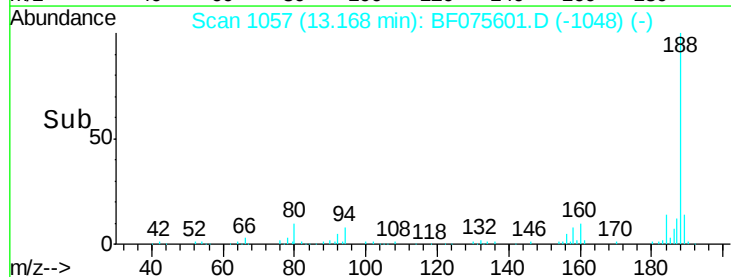
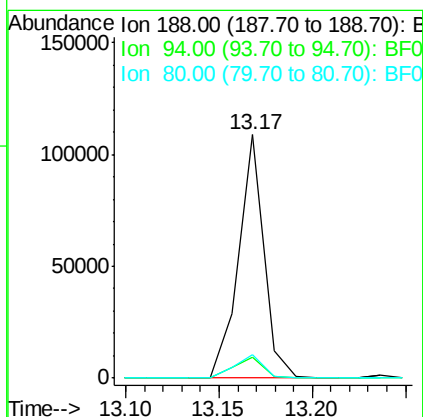
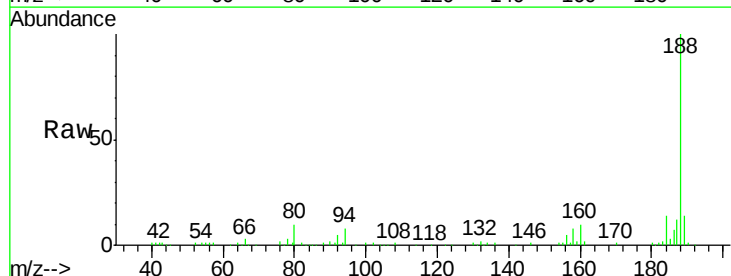
Instrument :
 BNA_F
 ClientSampleId :
 HUDPARK-B2-SS1(1-2)

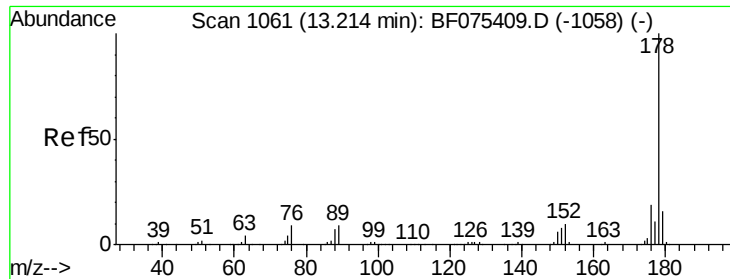
Tgt Ion:166 Resp: 10188
 Ion Ratio Lower Upper
 166 100
 165 100.5 78.8 118.2
 167 14.3 10.6 15.8



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.17 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: BF075601.D
 Acq: 17 Nov 2014 1:22

Tgt Ion:188 Resp: 103786
 Ion Ratio Lower Upper
 188 100
 94 8.5 7.8 11.6
 80 9.8 8.0 12.0

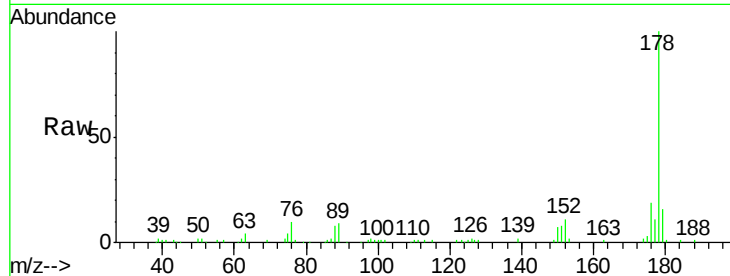




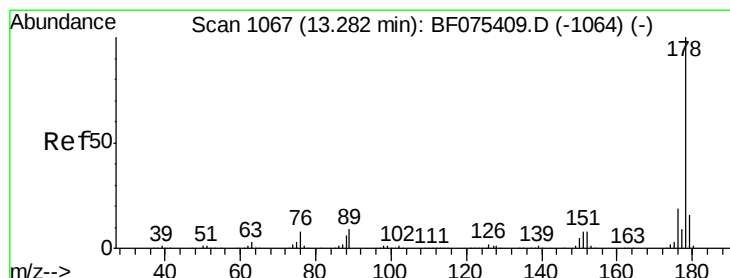
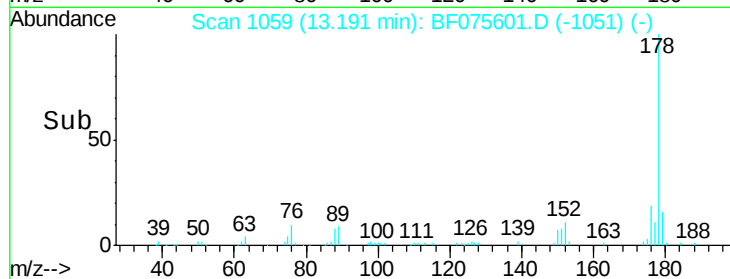
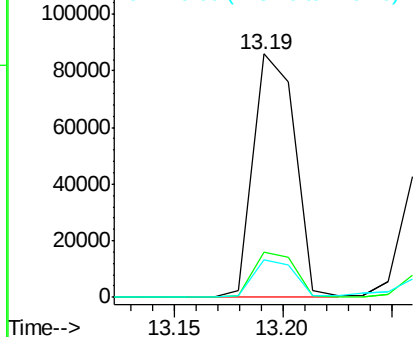
#70
Phenanthrene
Concen: 21.04 ng
RT: 13.19 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BF075601.D
Acq: 17 Nov 2014 1:22

Instrument :
BNA_F
ClientSampleId :
HUDPARK-B2-SS1(1-2)

Tgt Ion:178 Resp: 114913
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.7 12.2 18.4

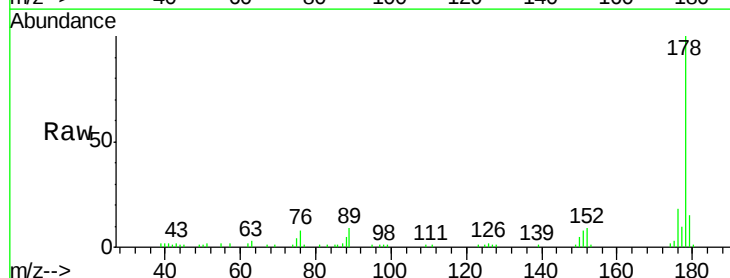


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

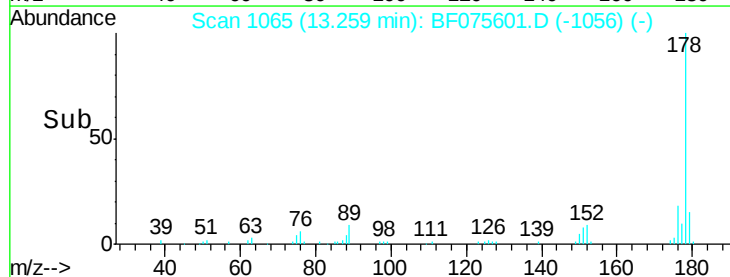
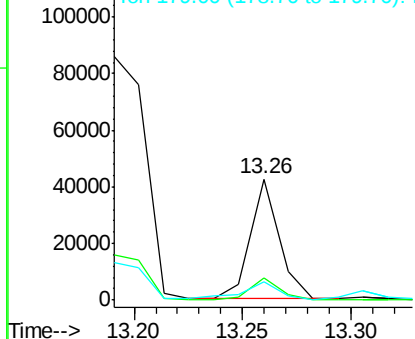


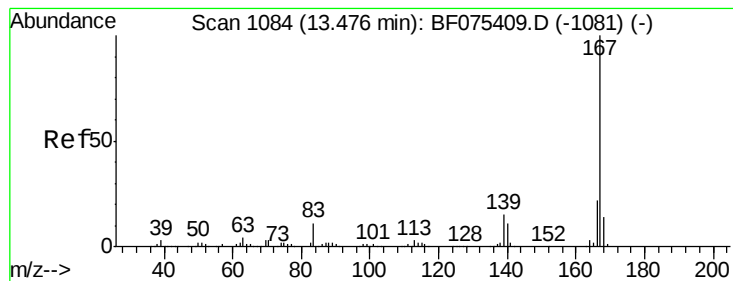
#71
Anthracene
Concen: 6.82 ng
RT: 13.26 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BF075601.D
Acq: 17 Nov 2014 1:22

Tgt Ion:178 Resp: 38488
Ion Ratio Lower Upper
178 100
176 18.2 15.1 22.7
179 15.0 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: 2.12 ng

RT: 13.47 min Scan# 1083

Delta R.T. 0.00 min

Lab File: BF075601.D

Acq: 17 Nov 2014 1:22

Instrument :

BNA_F

ClientSampleId :

HUDPARK-B2-SS1(1-2)

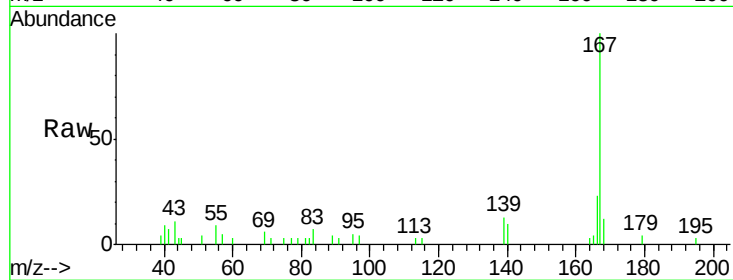
Tgt Ion:167 Resp: 11734

Ion Ratio Lower Upper

167 100

166 23.0 17.4 26.0

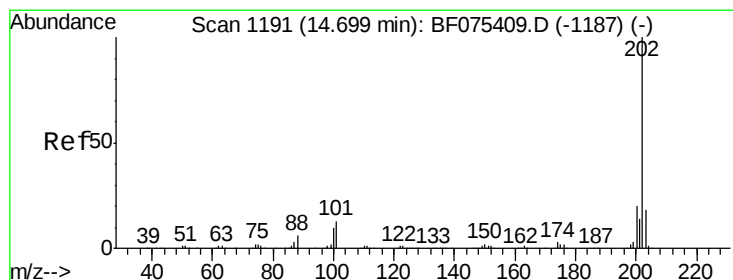
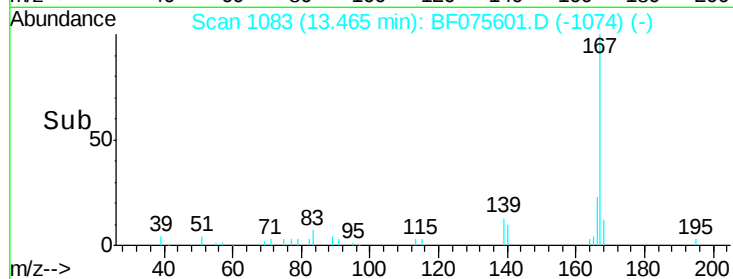
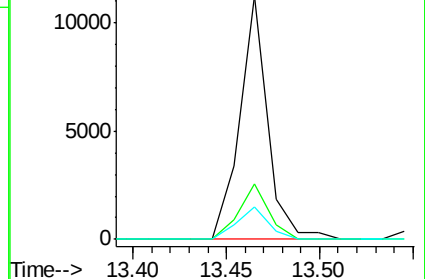
139 13.3 10.1 15.1



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: 29.97 ng

RT: 14.68 min Scan# 1189

Delta R.T. 0.00 min

Lab File: BF075601.D

Acq: 17 Nov 2014 1:22

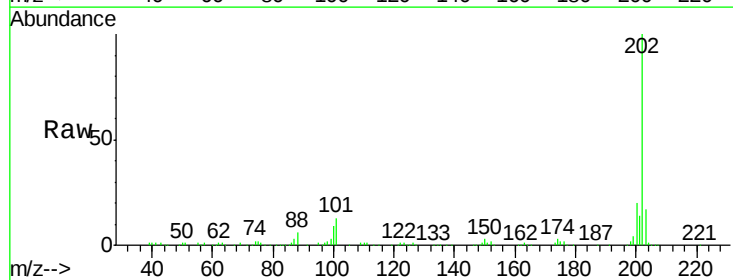
Tgt Ion:202 Resp: 175310

Ion Ratio Lower Upper

202 100

101 13.4 0.0 36.6

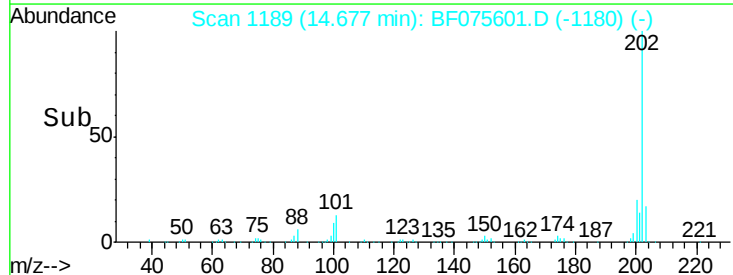
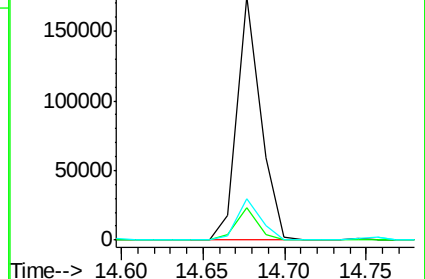
203 17.1 0.0 38.2

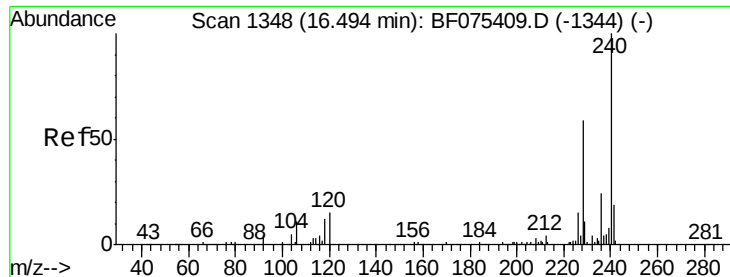


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF075601.D

Acq: 17 Nov 2014 1:22

Instrument :

BNA_F

ClientSampleId :

HUDPARK-B2-SS1(1-2)

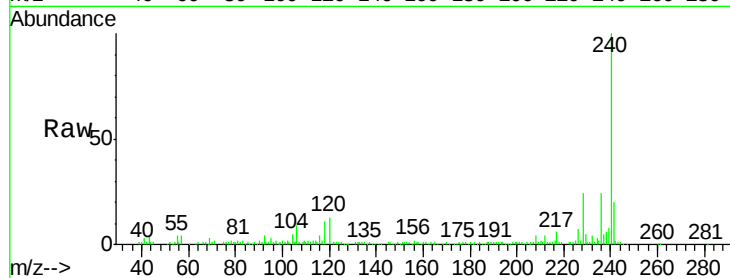
Tgt Ion:240 Resp: 104232

Ion Ratio Lower Upper

240 100

120 13.3 9.6 14.4

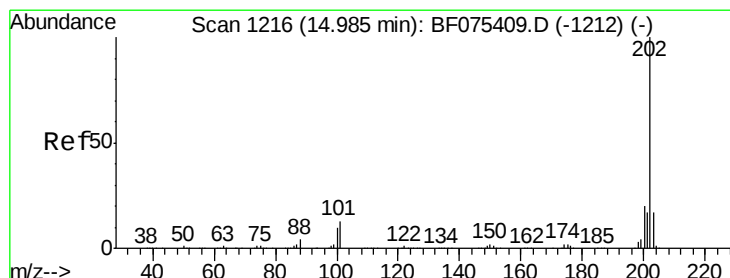
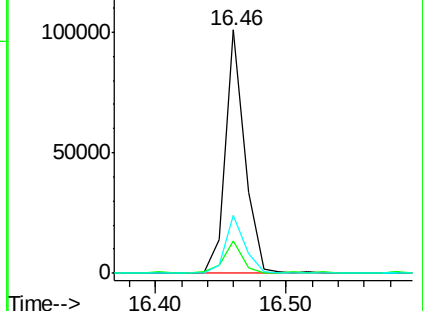
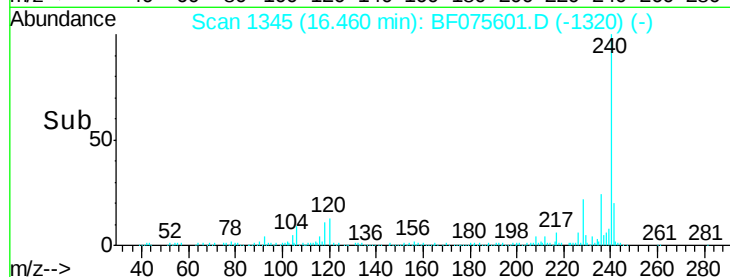
236 23.8 18.9 28.3



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: 27.91 ng

RT: 14.96 min Scan# 1214

Delta R.T. 0.00 min

Lab File: BF075601.D

Acq: 17 Nov 2014 1:22

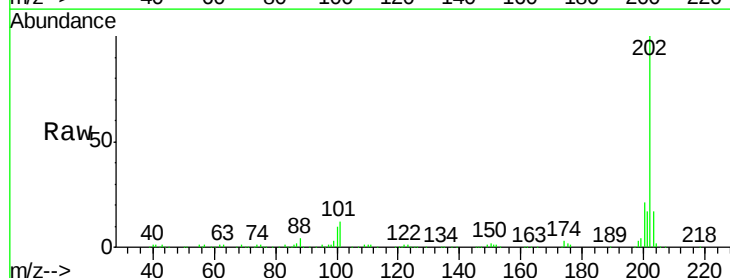
Tgt Ion:202 Resp: 169117

Ion Ratio Lower Upper

202 100

200 20.7 16.8 25.2

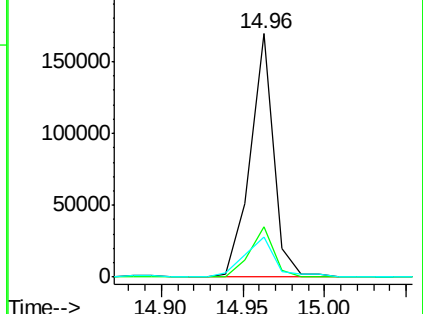
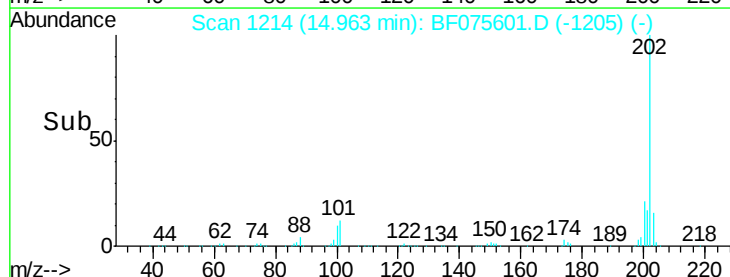
203 16.5 14.3 21.5

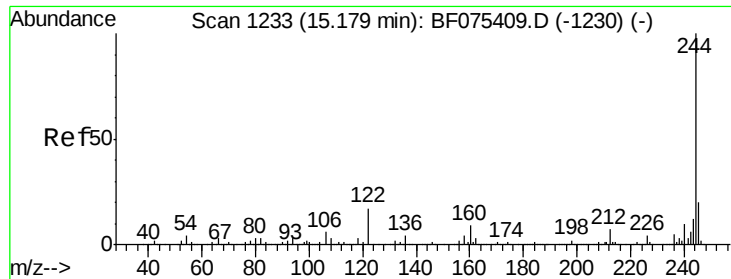


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

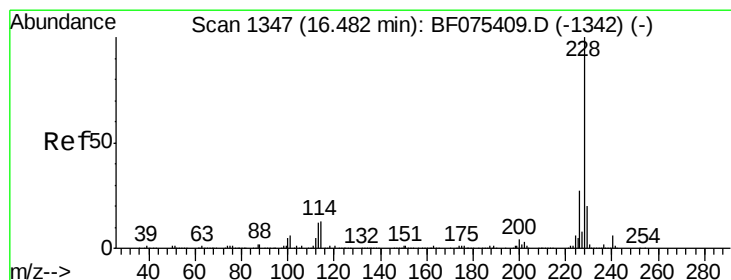
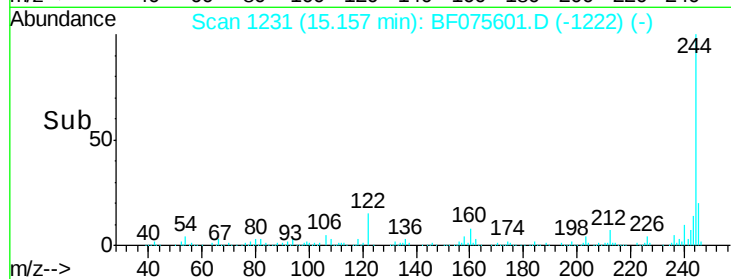
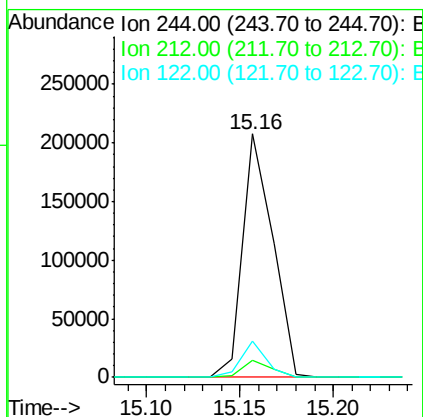
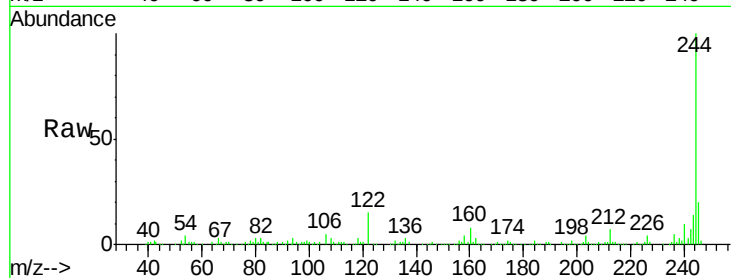




#78
 Terphenyl-d14
 Concen: 60.29 ng
 RT: 15.16 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF075601.D
 Acq: 17 Nov 2014 1:22

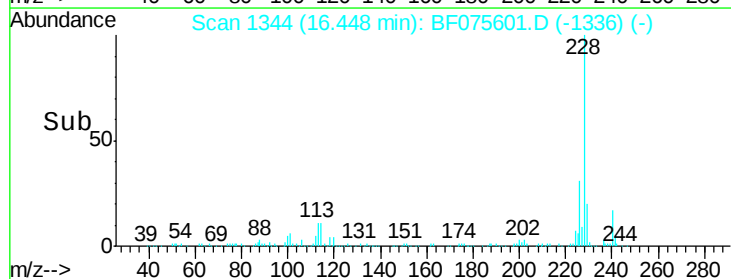
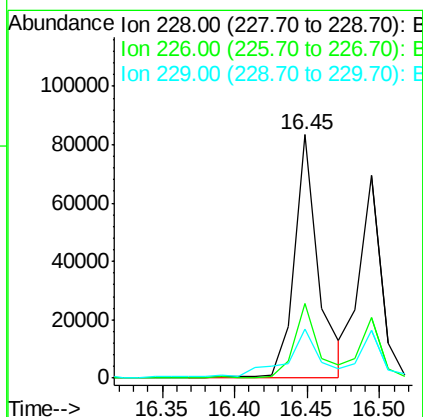
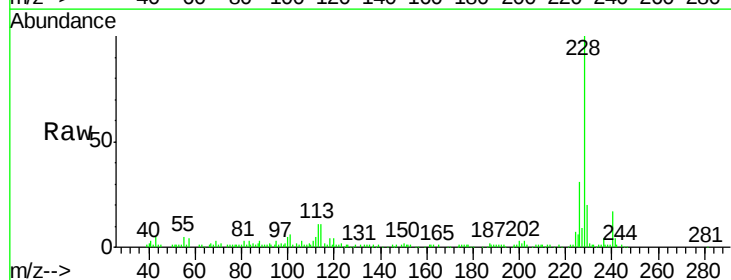
Instrument :
 BNA_F
 ClientSampleId :
 HUDPARK-B2-SS1(1-2)

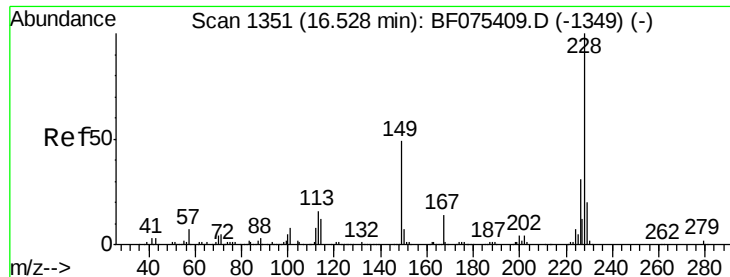
Tgt Ion: 244 Resp: 233435
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 14.7 9.7 14.5#



#80
 Benzo(a)anthracene
 Concen: 17.72 ng
 RT: 16.45 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: BF075601.D
 Acq: 17 Nov 2014 1:22

Tgt Ion: 228 Resp: 97022
 Ion Ratio Lower Upper
 228 100
 226 30.6 21.8 32.8
 229 20.4 15.3 22.9





#82

Chrysene

Concen: 15.18 ng

RT: 16.49 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF075601.D

Acq: 17 Nov 2014 1:22

Instrument :

BNA_F

ClientSampleId :

HUDPARK-B2-SS1(1-2)

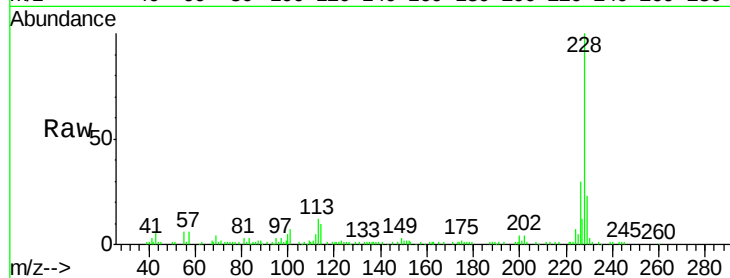
Tgt Ion:228 Resp: 71887

Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.6

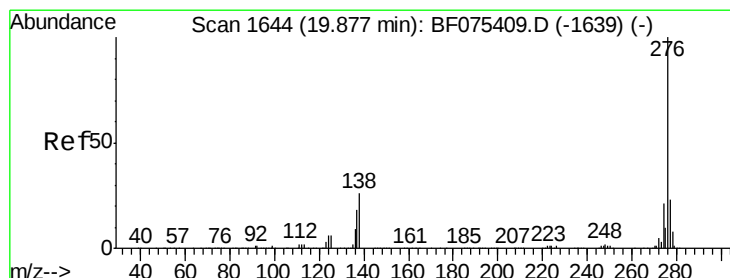
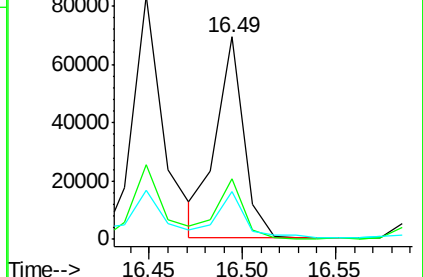
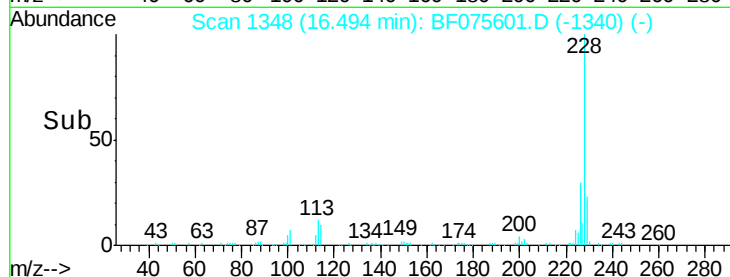
229 23.4 15.8 23.6



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: 7.73 ng

RT: 19.75 min Scan# 1633

Delta R.T. -0.06 min

Lab File: BF075601.D

Acq: 17 Nov 2014 1:22

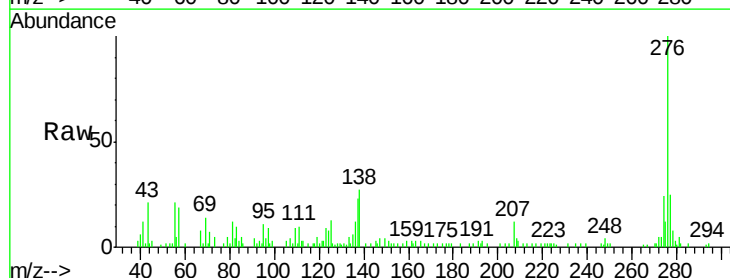
Tgt Ion:276 Resp: 44390

Ion Ratio Lower Upper

276 100

138 27.7 0.0 0.0#

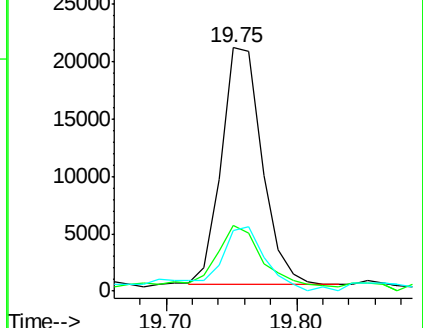
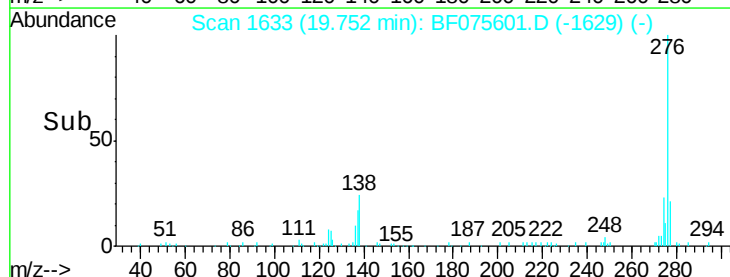
277 27.9 0.0 0.0#

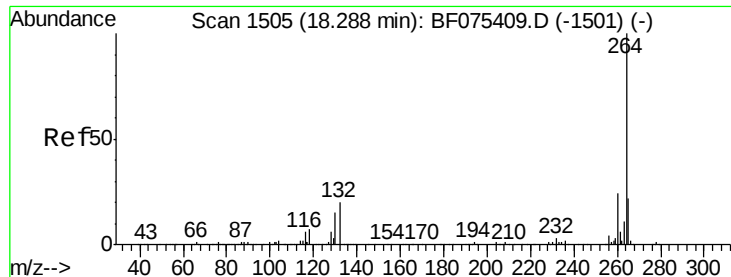


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

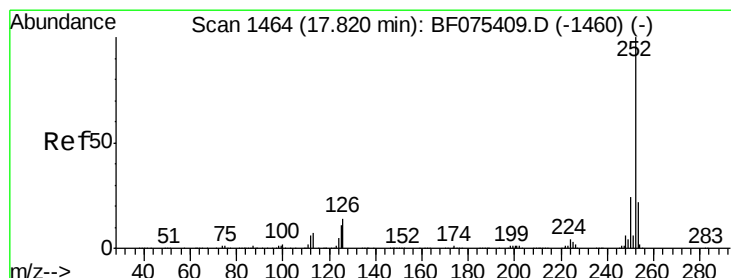
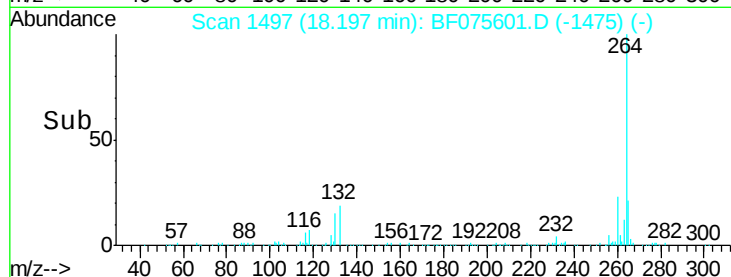
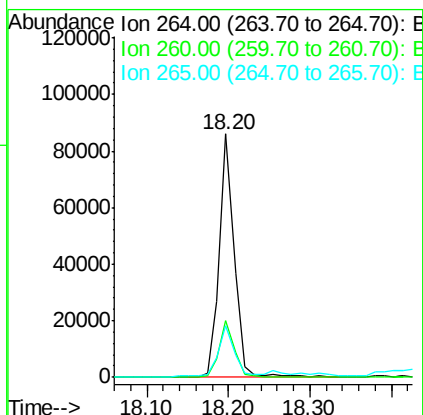
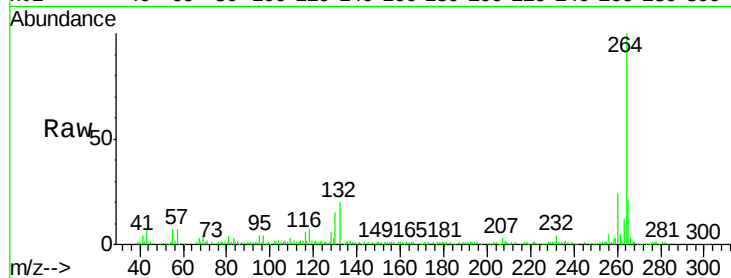




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.20 min Scan# 1497
Delta R.T. -0.05 min
Lab File: BF075601.D
Acq: 17 Nov 2014 1:22

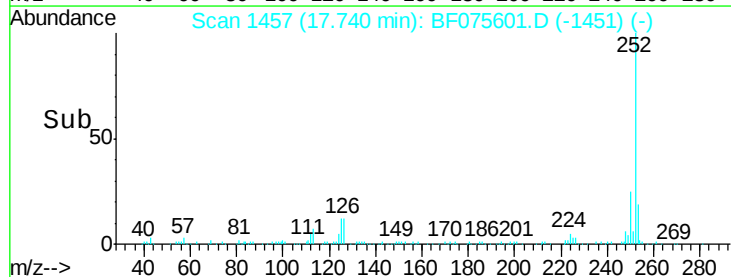
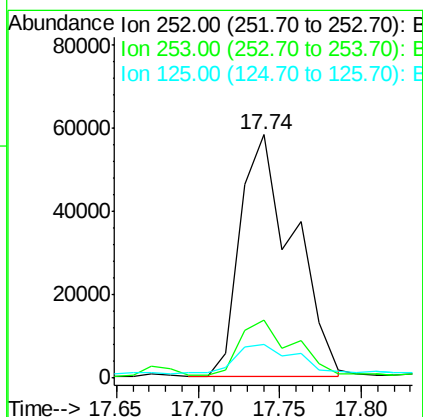
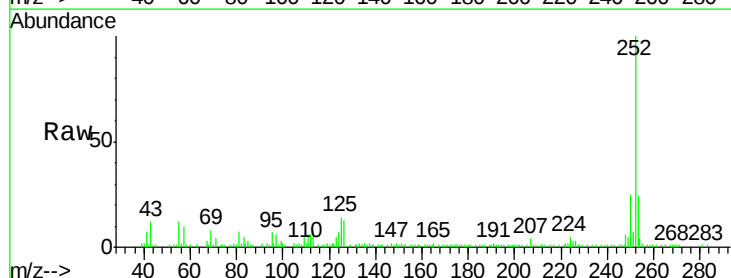
Instrument :
BNA_F
ClientSampleId :
HUDPARK-B2-SS1(1-2)

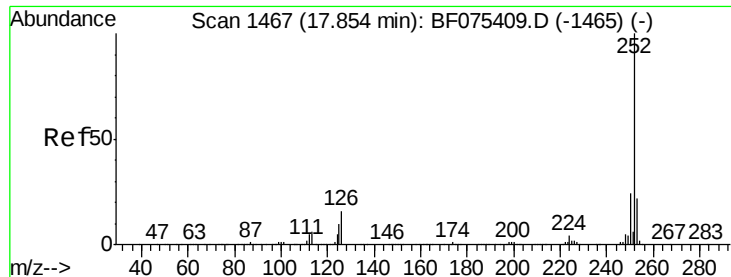
Tgt Ion:264 Resp: 110161
Ion Ratio Lower Upper
264 100
260 23.5 17.9 26.9
265 21.3 16.3 24.5



#87
Benzo(b)fluoranthene
Concen: 22.28 ng
RT: 17.74 min Scan# 1457
Delta R.T. -0.03 min
Lab File: BF075601.D
Acq: 17 Nov 2014 1:22

Tgt Ion:252 Resp: 131202
Ion Ratio Lower Upper
252 100
253 24.0 17.7 26.5
125 13.6 11.8 17.6





#88

Benzo(k)fluoranthene

Concen: 24.93 ng

RT: 17.74 min Scan# 1457

Delta R.T. -0.07 min

Lab File: BF075601.D

Acq: 17 Nov 2014 1:22

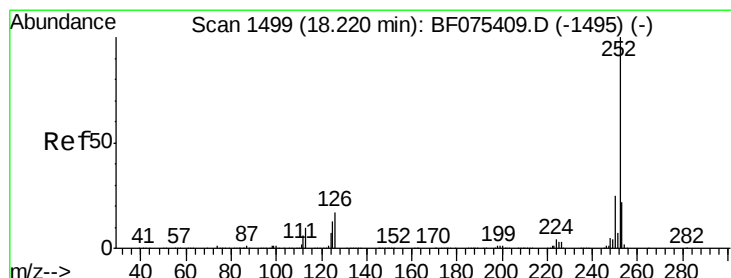
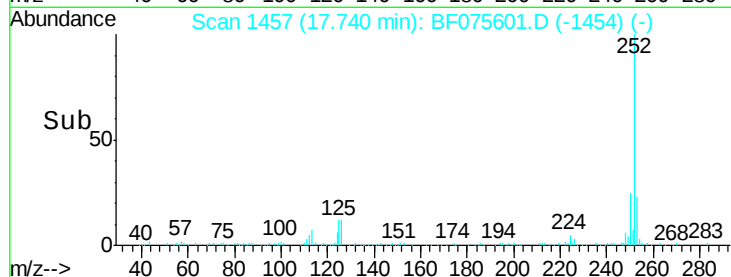
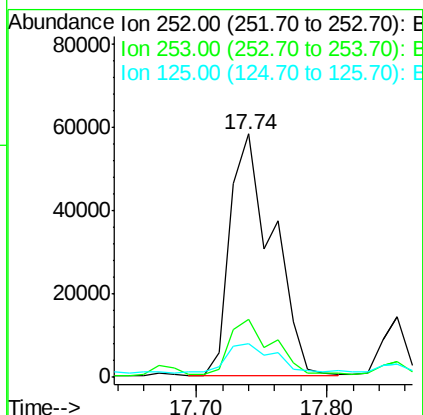
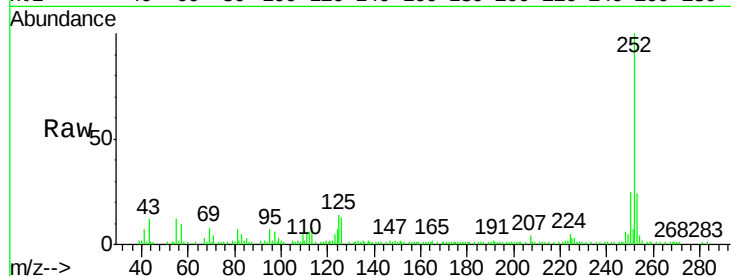
Instrument :

BNA_F

ClientSampleId :

HUDPARK-B2-SS1(1-2)

Tgt Ion:	252	Resp:	131770
Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	13.6	11.6	17.4



#89

Benzo(a)pyrene

Concen: 13.62 ng

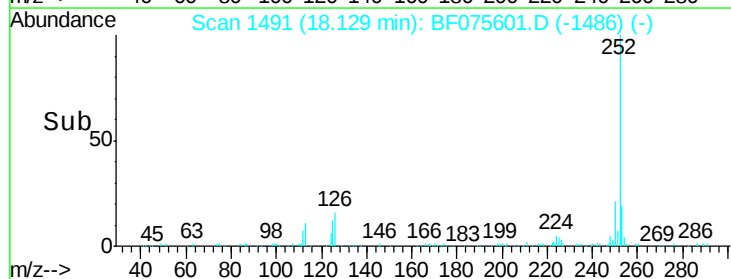
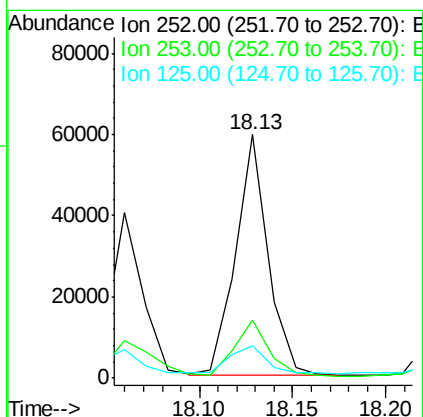
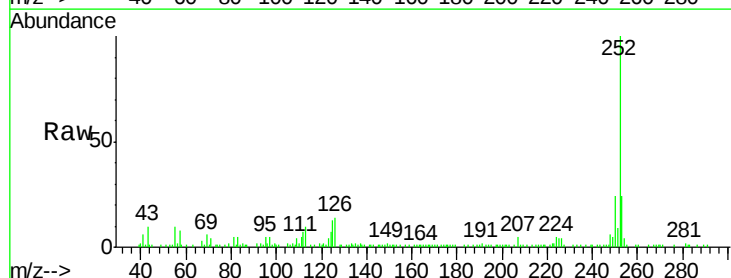
RT: 18.13 min Scan# 1491

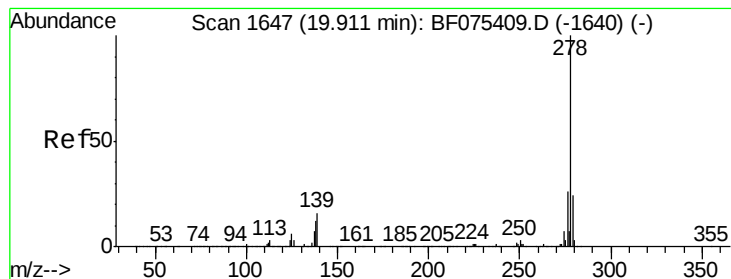
Delta R.T. -0.05 min

Lab File: BF075601.D

Acq: 17 Nov 2014 1:22

Tgt Ion:	252	Resp:	71765
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	13.5	12.2	18.4





#90

Dibenzo(a,h)anthracene

Concen: 2.11 ng

RT: 19.77 min Scan# 1635

Delta R.T. -0.07 min

Lab File: BF075601.D

Acq: 17 Nov 2014 1:22

Instrument :

BNA_F

ClientSampleId :

HUDPARK-B2-SS1(1-2)

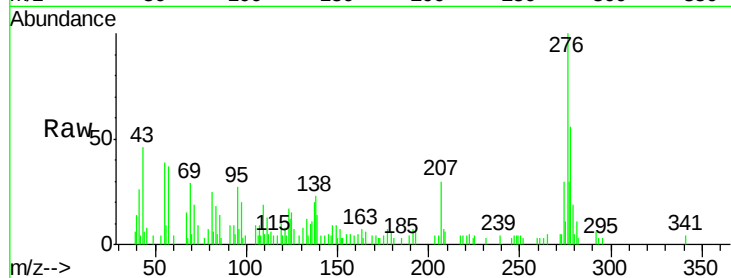
Tgt Ion:278 Resp: 11638

Ion Ratio Lower Upper

278 100

139 25.0 13.6 20.4#

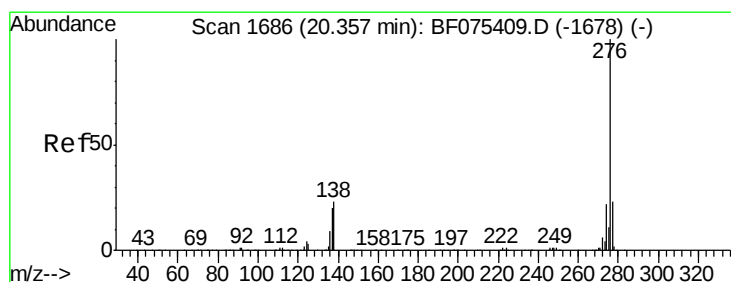
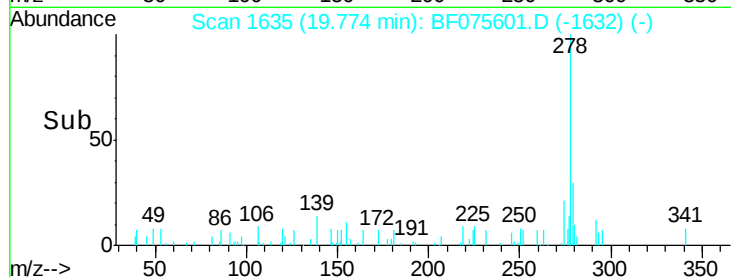
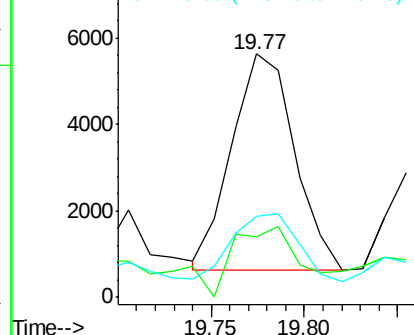
279 33.3 19.4 29.0#



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: 8.52 ng

RT: 20.22 min Scan# 1674

Delta R.T. -0.07 min

Lab File: BF075601.D

Acq: 17 Nov 2014 1:22

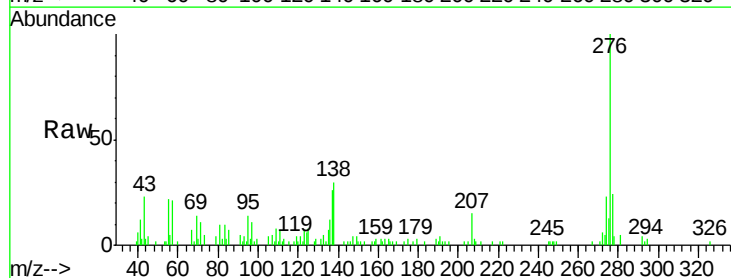
Tgt Ion:276 Resp: 44702

Ion Ratio Lower Upper

276 100

277 23.8 17.8 26.8

138 29.9 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

