

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
 Data File : BF079600.D
 Acq On : 30 May 2015 13:53
 Operator : TP/IZ
 Sample : G2416-18
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PULASKIST7.3(2)

Quant Time: May 31 05:43:41 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 17:35:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	63862	20.00	ng	-0.02
21) Naphthalene-d8	8.51	136	266409	20.00	ng	-0.02
38) Acenaphthene-d10	10.67	164	125173	20.00	ng	-0.03
63) Phenanthrene-d10	12.51	188	233071	20.00	ng	-0.02
75) Chrysene-d12	15.78	240	240803	20.00	ng	-0.06
86) Perylene-d12	17.51	264	247357	20.00	ng	-0.16

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	610010	165.68	ng	-0.03
7) Phenol-d6	6.54	99	818067	174.32	ng	-0.02
23) Nitrobenzene-d5	7.63	82	441469	95.79	ng	-0.03
41) 2,4,6-Tribromophenol	11.66	330	230258	167.48	ng	-0.03
44) 2-Fluorobiphenyl	9.86	172	941453	107.30	ng	-0.02
78) Terphenyl-d14	14.50	244	1013321	98.76	ng	-0.03

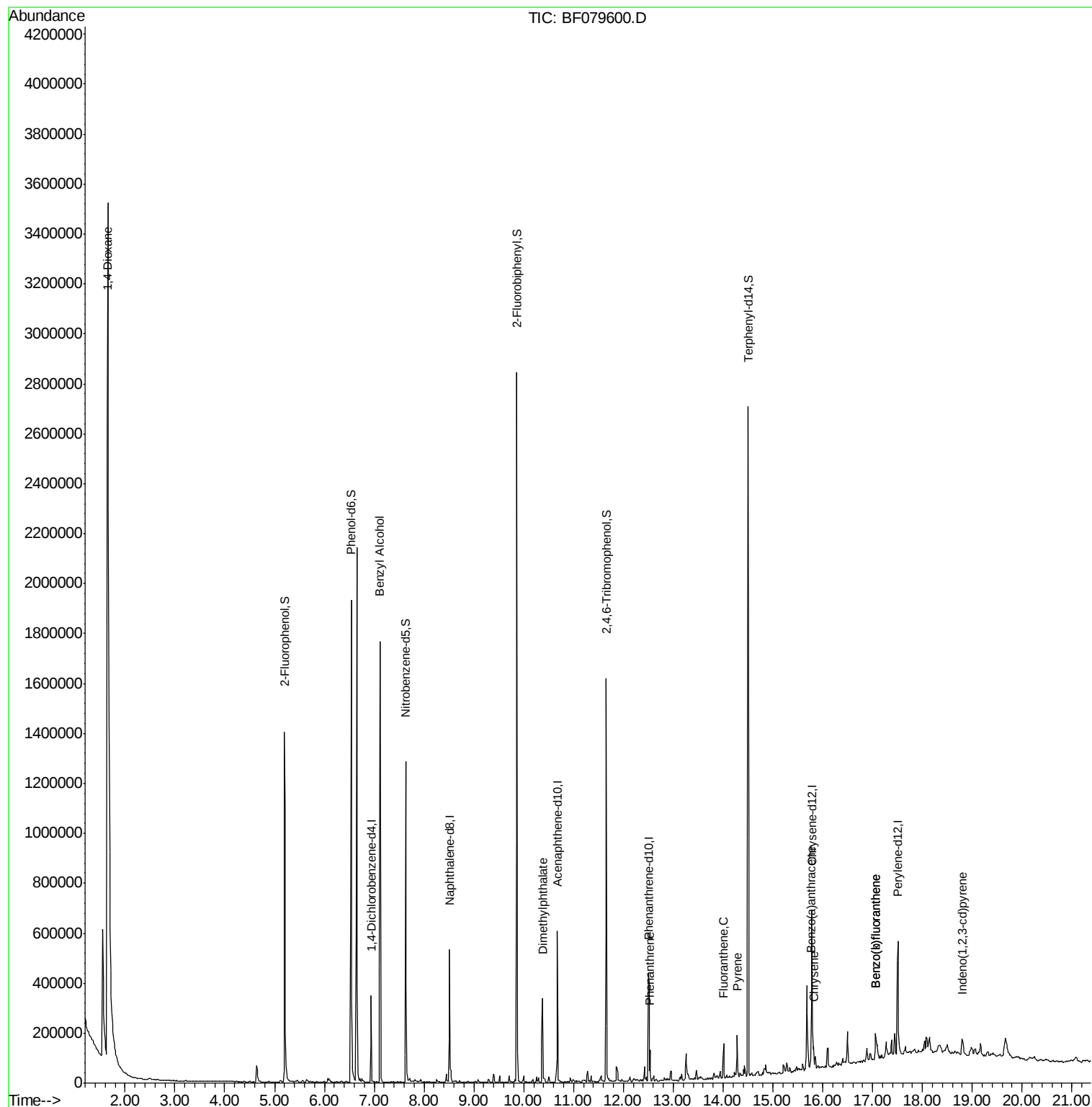
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.66	88	218930	124.99	ng	# 100
9) Benzaldehyde	6.40	77	211	Below Cal		# 1
15) Benzyl Alcohol	7.12	79	7826	2.27	ng	# 36
49) Dimethylphthalate	10.38	163	172363	18.69	ng	# 99
70) Phenanthrene	12.54	178	50073	3.92	ng	# 98
73) Di-n-butylphthalate	13.28	149	2535	Below Cal		# 78
74) Fluoranthene	14.01	202	75128	5.48	ng	# 99
77) Pyrene	14.29	202	72656	4.87	ng	# 98
80) Benzo(a)anthracene	15.77	228	47596	3.44	ng	# 97
82) Chrysene	15.82	228	39845	3.03	ng	# 98
85) Indeno(1,2,3-cd)pyrene	18.80	276	41223	2.43	ng	# 94
87) Benzo(b)fluoranthene	17.06	252	84847	6.01	ng	# 94
88) Benzo(k)fluoranthene	17.06	252	85668	6.79	ng	# 92
90) Dibenzo(a,h)anthracene	18.88	278	3303	Below Cal		# 67
91) Benzo(g,h,i)perylene	19.17	276	39502	Below Cal		# 98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 503

Delta R.T. -0.02 min

Lab File: BF079600.D

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Instrument :

BNA_F

ClientSampleId :

PULASKIST7.3(2)

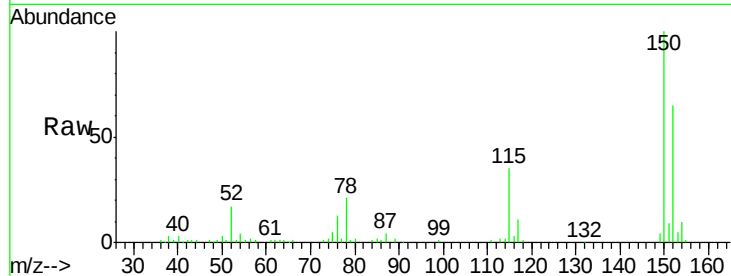
Tgt Ion:152 Resp: 63862

Ion Ratio Lower Upper

152 100

150 154.2 124.0 186.0

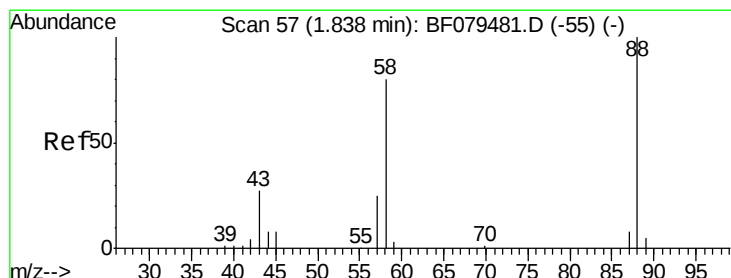
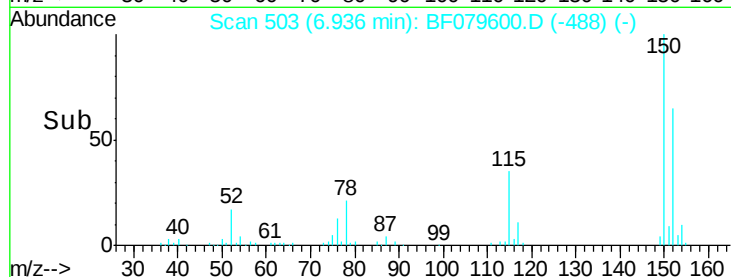
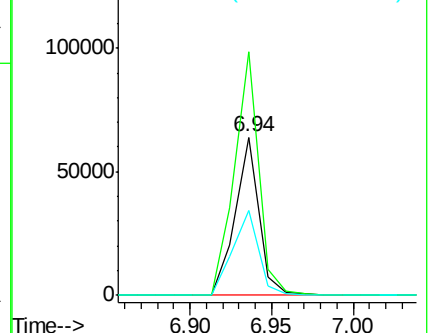
115 53.9 49.6 74.4



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



#2

1,4-Dioxane

Concen: 124.99 ng

RT: 1.66 min Scan# 41

Delta R.T. -0.11 min

Lab File: BF079600.D

Acq: 30 May 2015 13:53

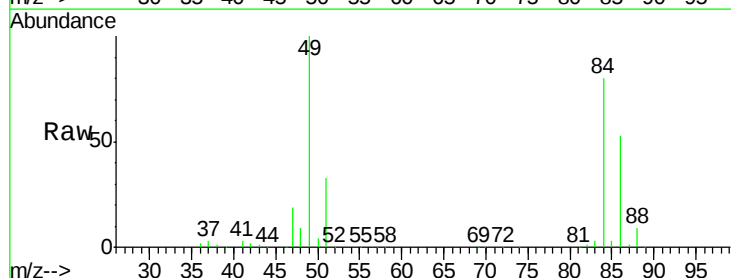
Tgt Ion: 88 Resp: 218930

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

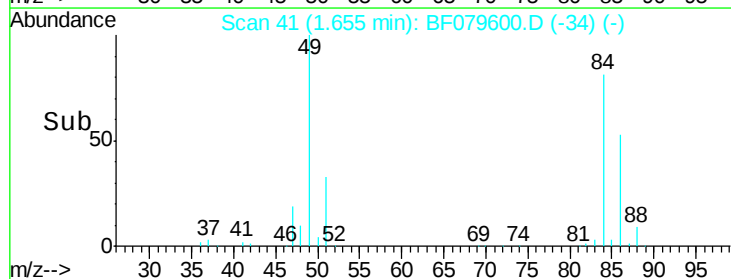
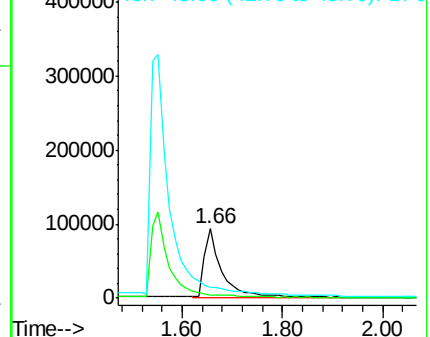
43 0.0 0.0 0.0

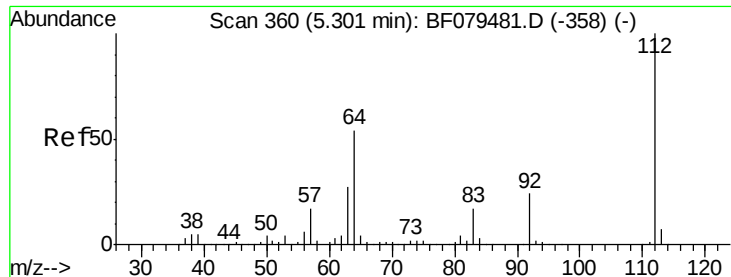


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 165.68 ng

RT: 5.20 min Scan# 351

Delta R.T. -0.03 min

Lab File: BF079600.D

Acq: 30 May 2015 13:53

Instrument :

BNA_F

ClientSampleId :

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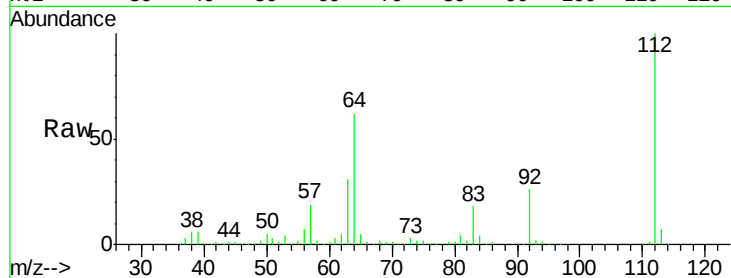
Tgt Ion: 112 Resp: 610010

Ion Ratio Lower Upper

112 100

64 62.1 43.5 65.3

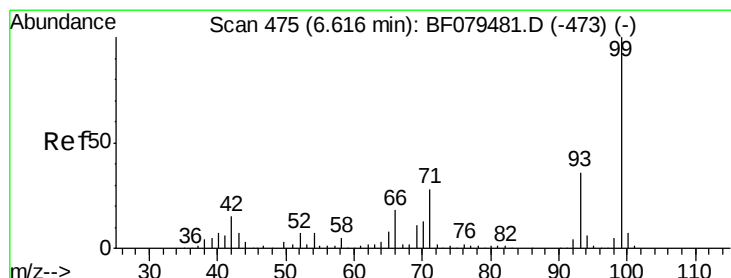
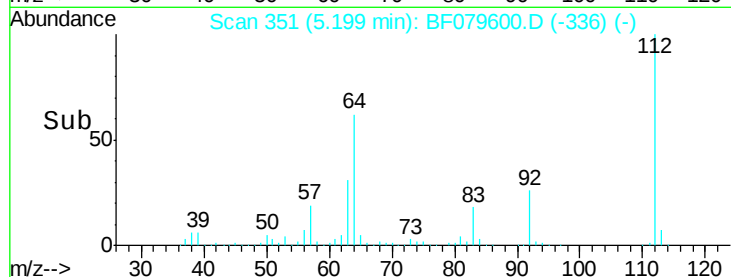
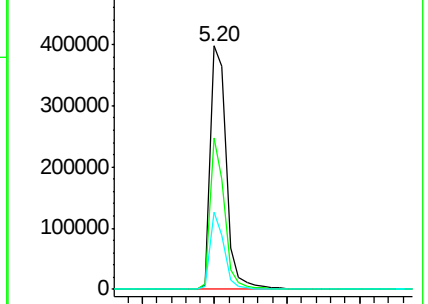
63 31.5 21.8 32.8



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: 174.32 ng

RT: 6.54 min Scan# 468

Delta R.T. -0.02 min

Lab File: BF079600.D

Acq: 30 May 2015 13:53

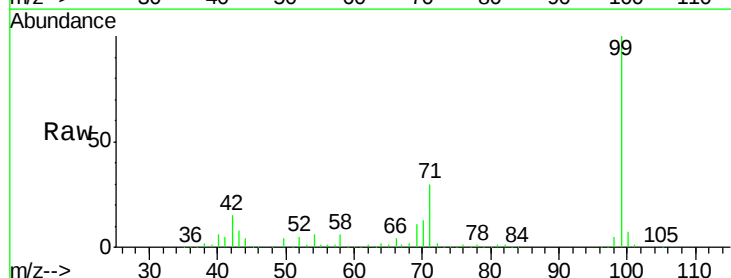
Tgt Ion: 99 Resp: 818067

Ion Ratio Lower Upper

99 100

42 15.2 11.9 17.9

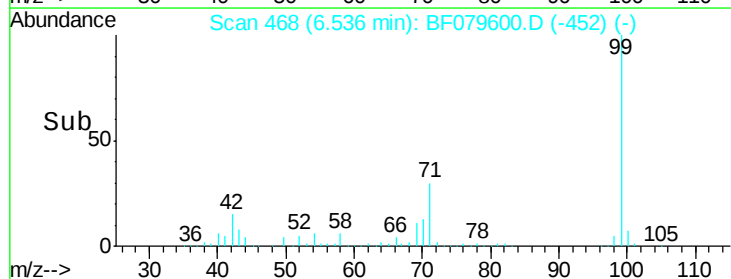
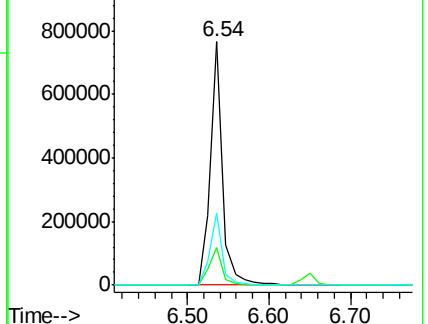
71 29.5 22.1 33.1

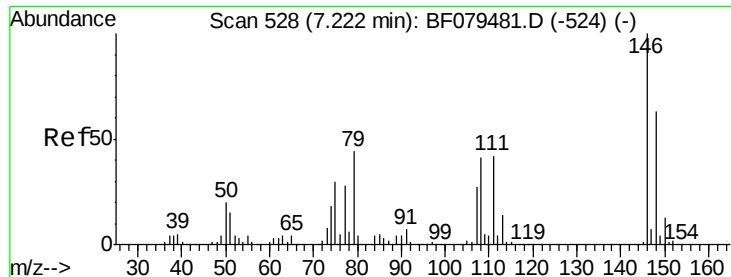


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 2.27 ng

RT: 7.12 min Scan# 519

Delta R.T. -0.05 min

Lab File: BF079600.D

Acq: 30 May 2015 13:53

Instrument :

BNA_F

ClientSampleId :

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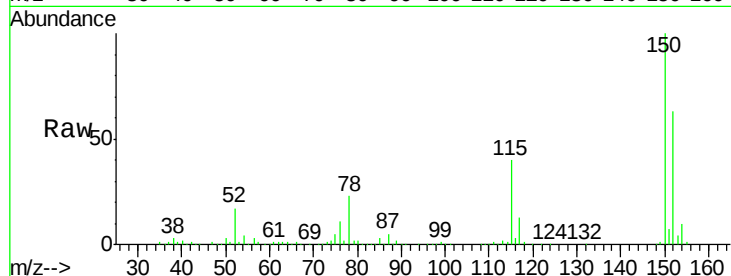
Tgt Ion: 79 Resp: 7826

Ion Ratio Lower Upper

79 100

108 29.5 73.7 110.5#

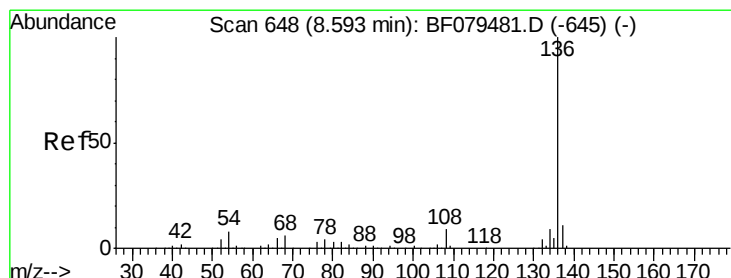
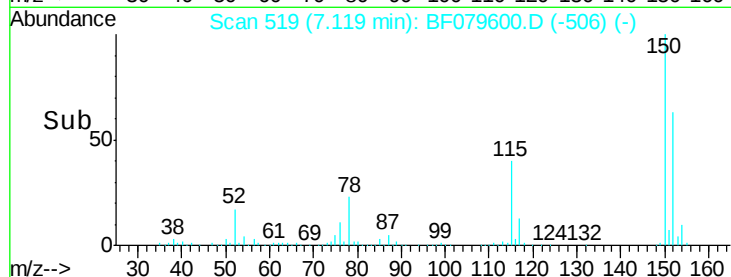
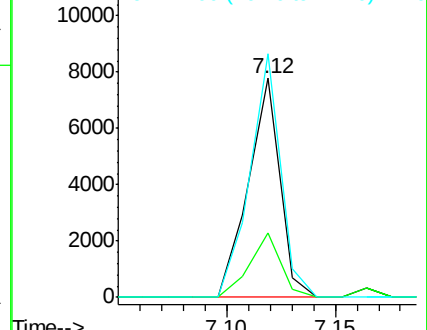
77 111.3 51.1 76.7#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.51 min Scan# 641

Delta R.T. -0.02 min

Lab File: BF079600.D

Acq: 30 May 2015 13:53

Tgt Ion: 136 Resp: 266409

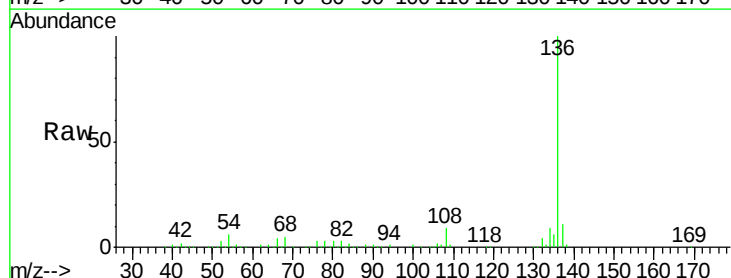
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 6.5 6.6 9.8#

68 5.0 4.7 7.1

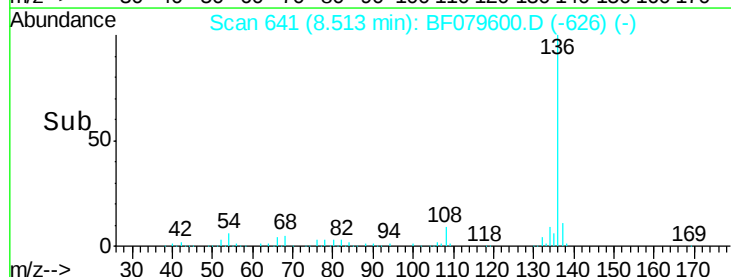
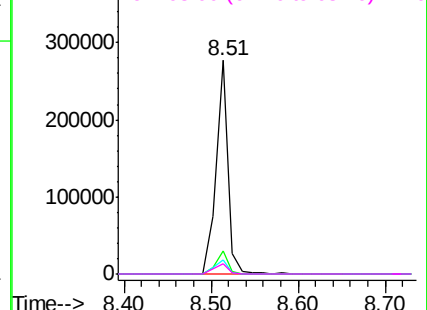


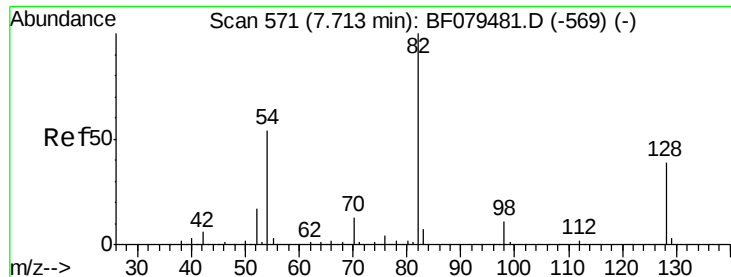
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

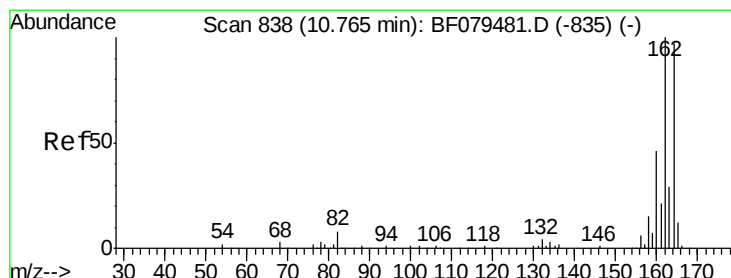
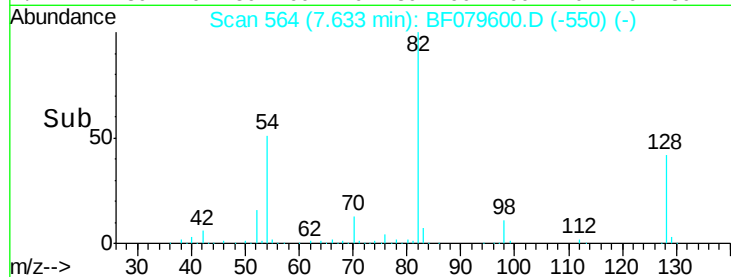
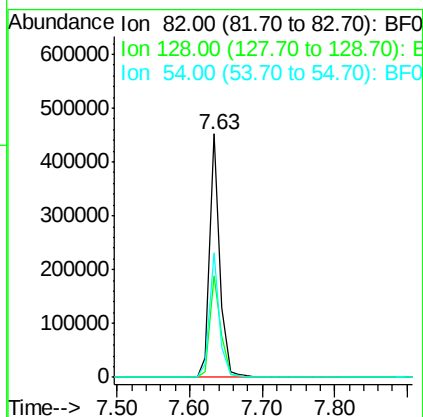
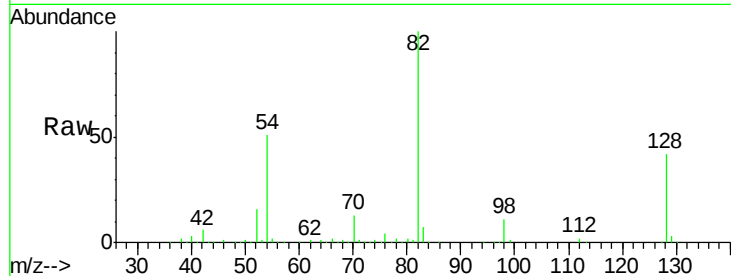




#23
 Nitrobenzene-d5
 Concen: 95.79 ng
 RT: 7.63 min Scan# 564
 Delta R.T. -0.03 min
 Lab File: BF079600.D
 Acq: 30 May 2015 13:53

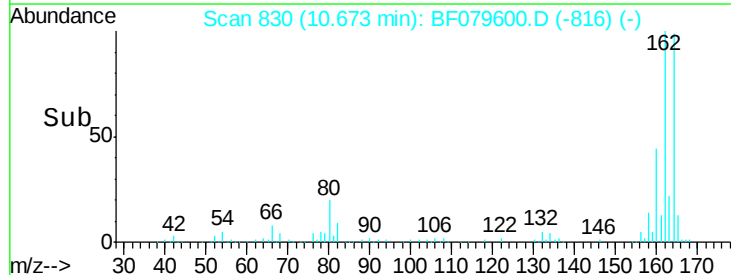
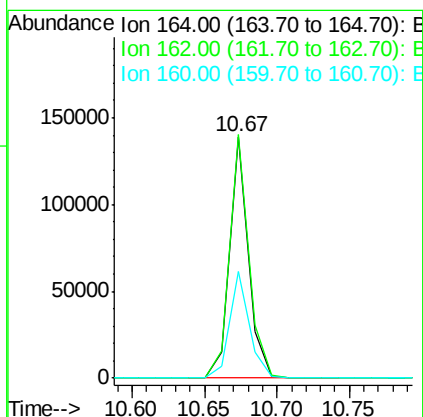
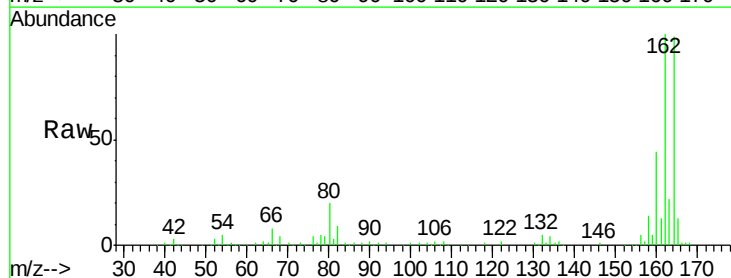
Instrument :
 BNA_F
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 PULASKIST7.3(2)

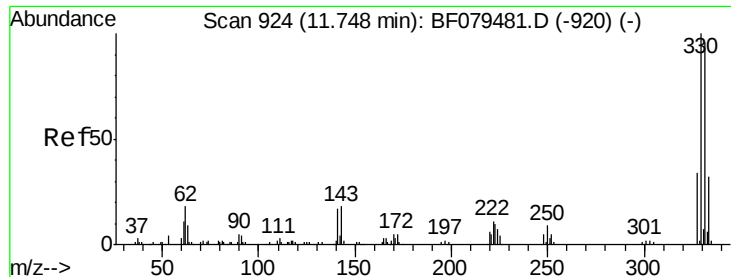
Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.9	30.8	46.2
54	51.3	42.8	64.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.67 min Scan# 830
 Delta R.T. -0.03 min
 Lab File: BF079600.D
 Acq: 30 May 2015 13:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.6	124.0
160	43.9	37.7	56.5

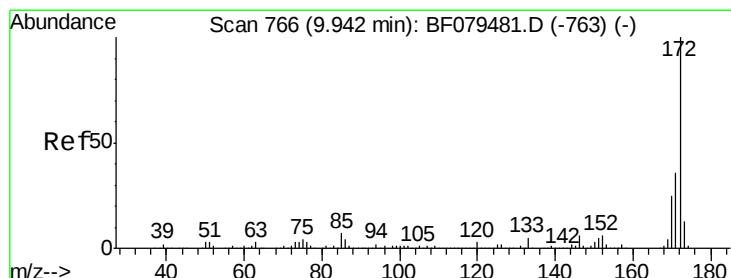
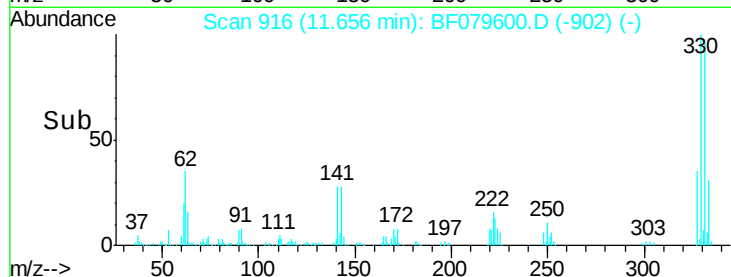
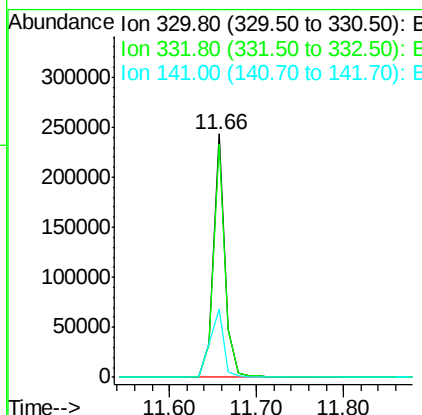
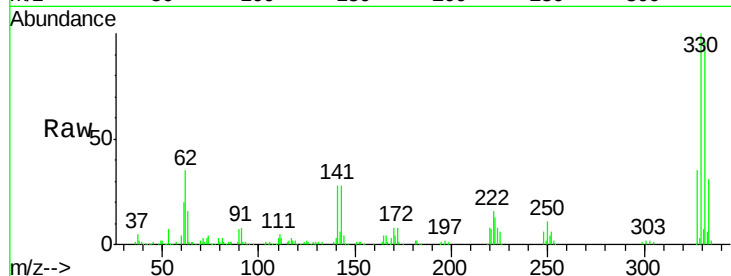




#41
 2,4,6-Tribromophenol
 Concen: 167.48 ng
 RT: 11.66 min Scan# 916
 Delta R.T. -0.03 min
 Lab File: BF079600.D
 Acq: 30 May 2015 13:53

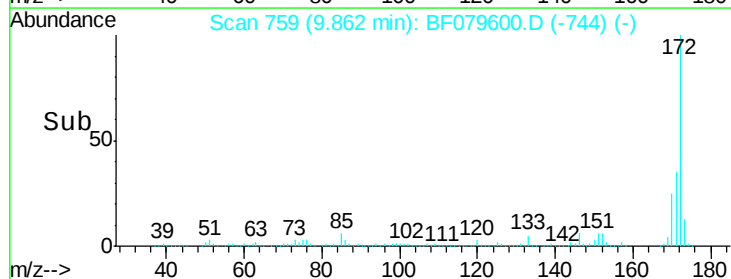
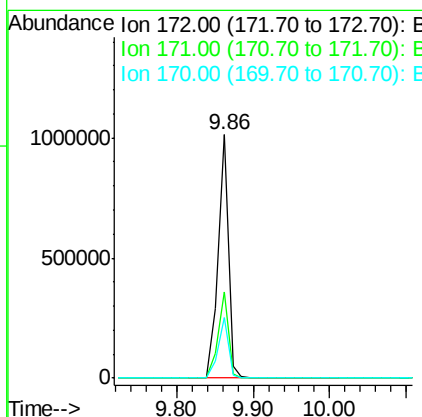
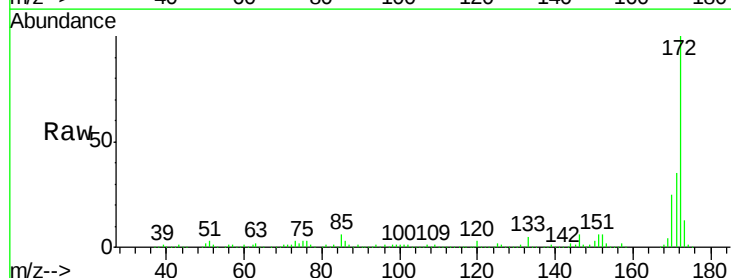
Instrument :
 BNA_F
 ClientSampleId :
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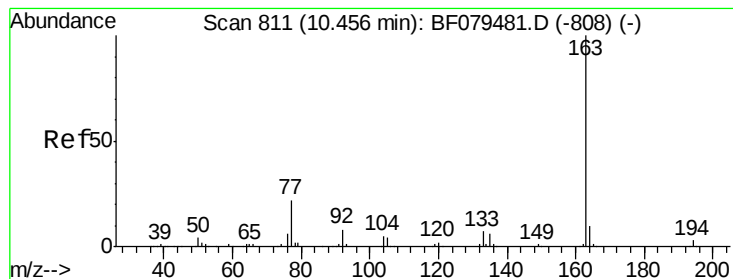
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	0.0	0.0#
141	33.4	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 107.30 ng
 RT: 9.86 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF079600.D
 Acq: 30 May 2015 13:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.5	42.7
170	24.9	19.7	29.5





#49

Dimethylphthalate

Concen: 18.69 ng

RT: 10.38 min Scan# 804

Delta R.T. -0.03 min

Lab File: BF079600.D

Acq: 30 May 2015 13:53

Instrument :

BNA_F

ClientSampleId :

PULASKIST7.3(2)

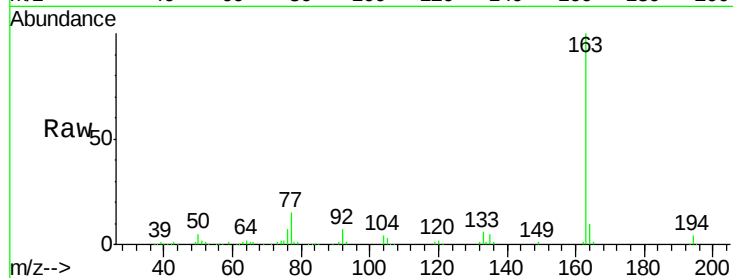
Tgt Ion:163 Resp: 172363

Ion Ratio Lower Upper

163 100

194 3.6 2.4 3.6#

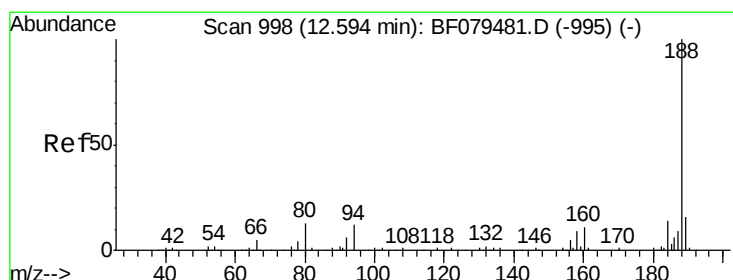
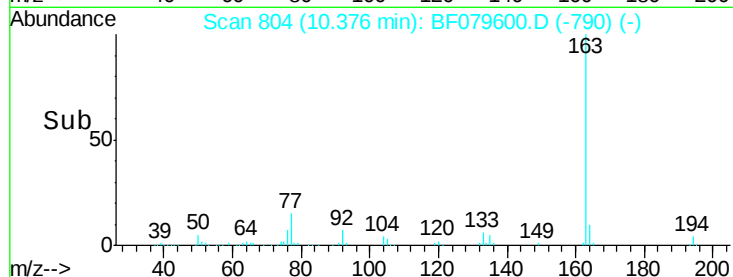
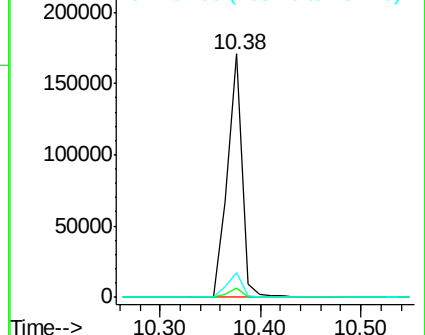
164 10.0 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.51 min Scan# 991

Delta R.T. -0.02 min

Lab File: BF079600.D

Acq: 30 May 2015 13:53

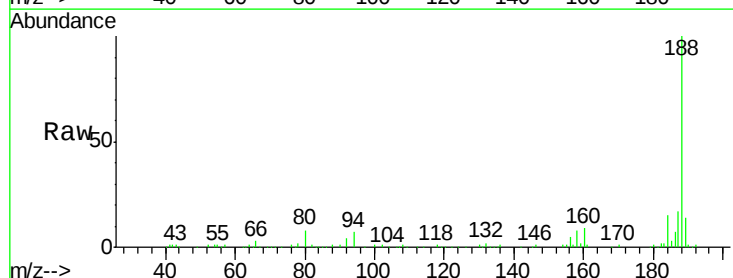
Tgt Ion:188 Resp: 233071

Ion Ratio Lower Upper

188 100

94 7.0 9.8 14.6#

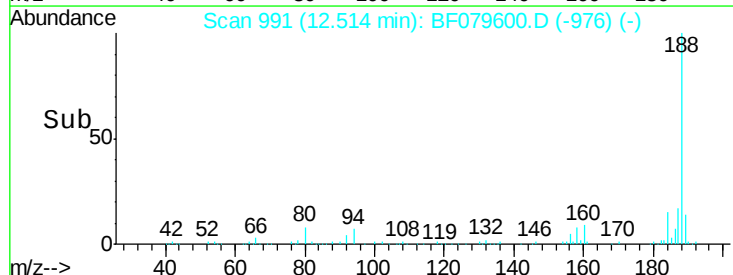
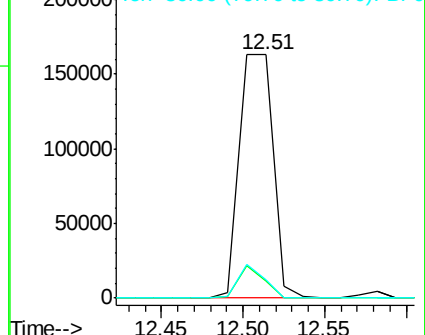
80 7.6 10.5 15.7#

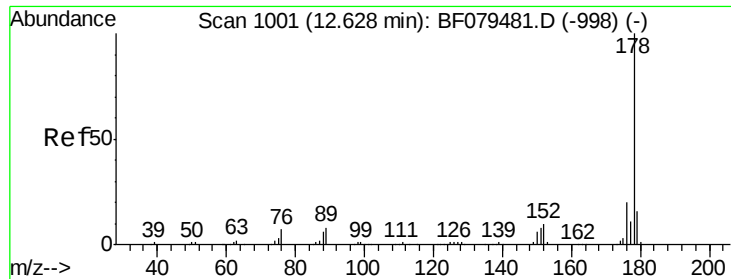


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

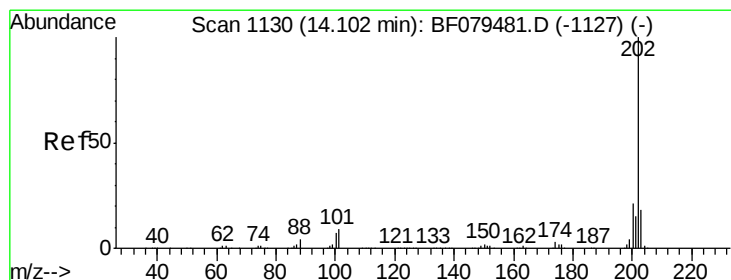
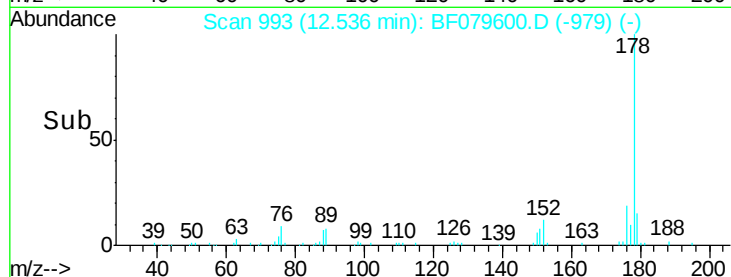
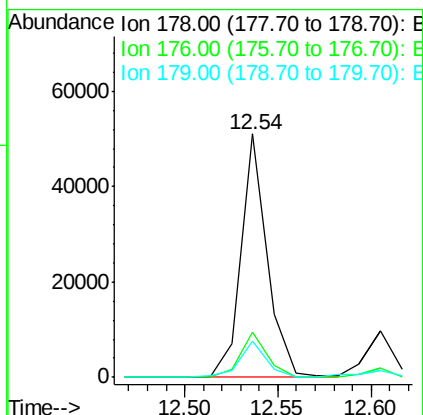
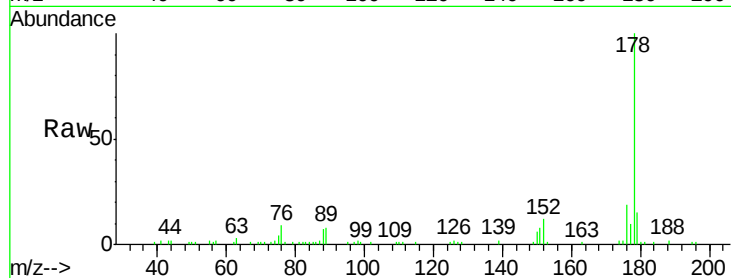




#70
Phenanthrene
Concen: 3.92 ng
RT: 12.54 min Scan# 993
Delta R.T. -0.03 min
Lab File: BF079600.D
Acq: 30 May 2015 13:53

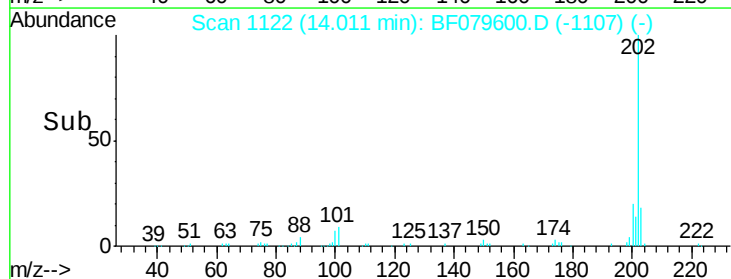
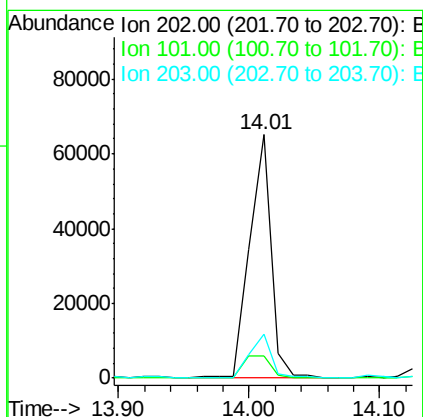
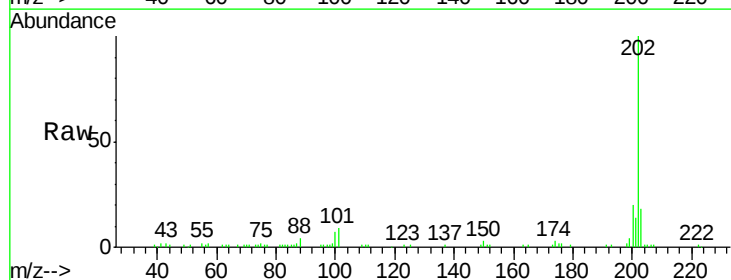
Instrument :
BNA_F
ClientSampleId :
PULASKIST7.3(2)

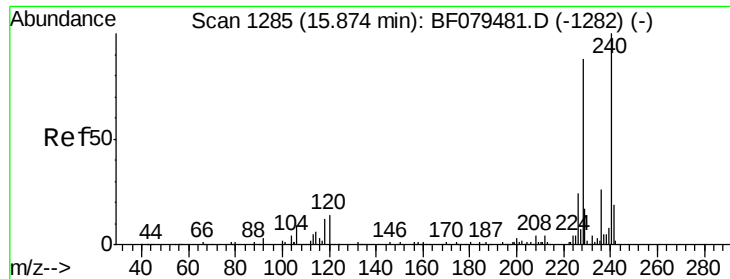
Tgt Ion:178 Resp: 50073
Ion Ratio Lower Upper
178 100
176 18.7 15.7 23.5
179 14.7 12.4 18.6



#74
Fluoranthene
Concen: 5.48 ng
RT: 14.01 min Scan# 1122
Delta R.T. -0.02 min
Lab File: BF079600.D
Acq: 30 May 2015 13:53

Tgt Ion:202 Resp: 75128
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.3
203 18.0 0.0 37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.78 min Scan# 1277

Delta R.T. -0.06 min

Lab File: BF079600.D

Acq: 30 May 2015 13:53

Instrument :

BNA_F

ClientSampleId :

PULASKIST7.3(2)

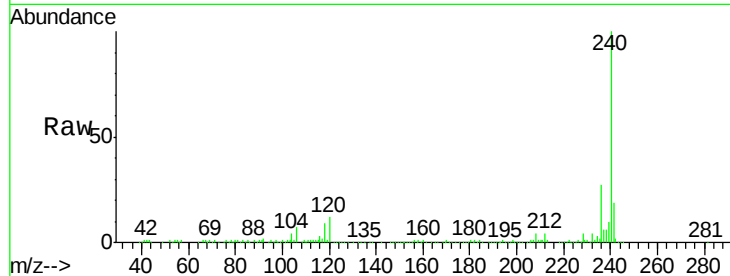
Tgt Ion:240 Resp: 240803

Ion Ratio Lower Upper

240 100

120 11.5 10.8 16.2

236 26.6 21.0 31.6



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

300000

250000

200000

150000

100000

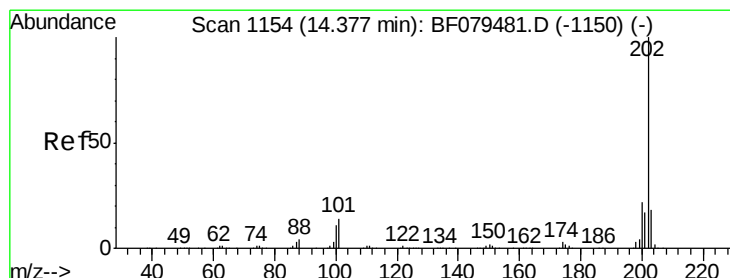
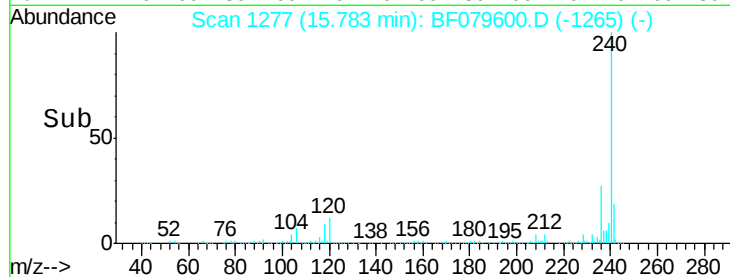
50000

0

15.78

15.70 15.80 15.90

Time-->



#77

Pyrene

Concen: 4.87 ng

RT: 14.29 min Scan# 1146

Delta R.T. -0.03 min

Lab File: BF079600.D

Acq: 30 May 2015 13:53

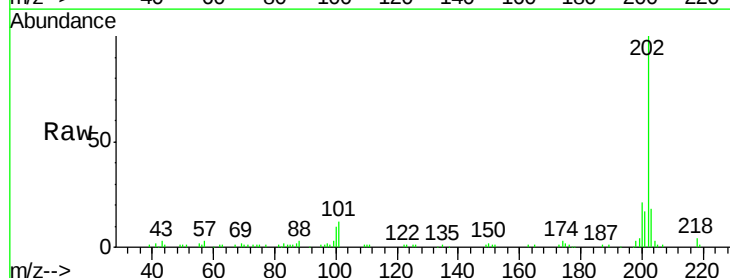
Tgt Ion:202 Resp: 72656

Ion Ratio Lower Upper

202 100

200 20.7 17.5 26.3

203 18.3 14.4 21.6



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

100000

80000

60000

40000

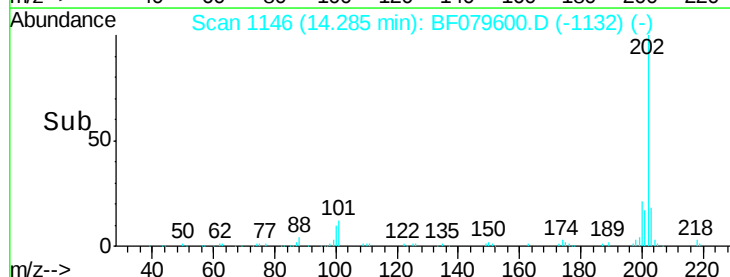
20000

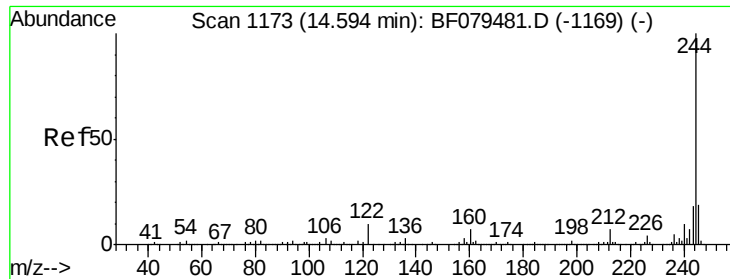
0

14.29

14.20 14.30 14.40

Time-->

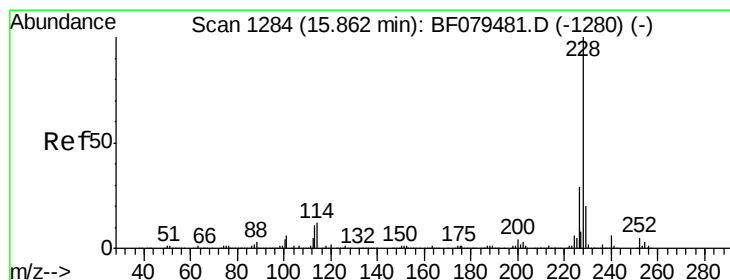
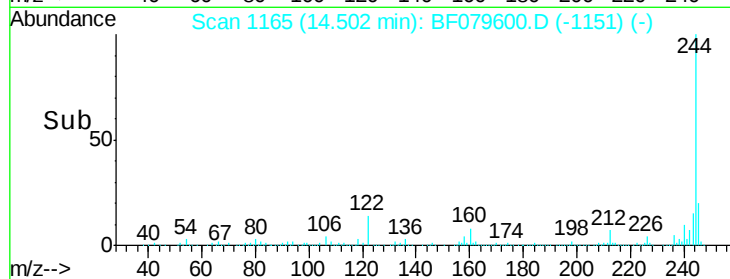
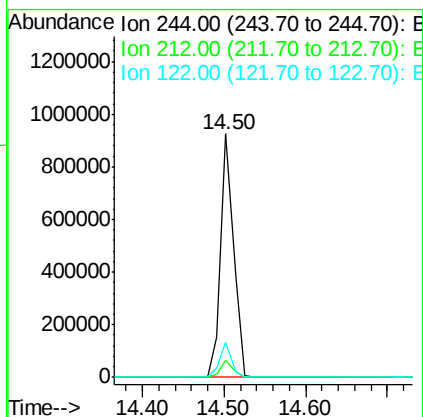
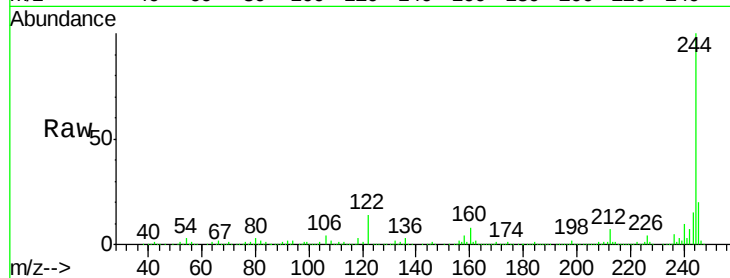




#78
 Terphenyl-d14
 Concen: 98.76 ng
 RT: 14.50 min Scan# 1165
 Delta R.T. -0.03 min
 Lab File: BF079600.D
 Acq: 30 May 2015 13:53

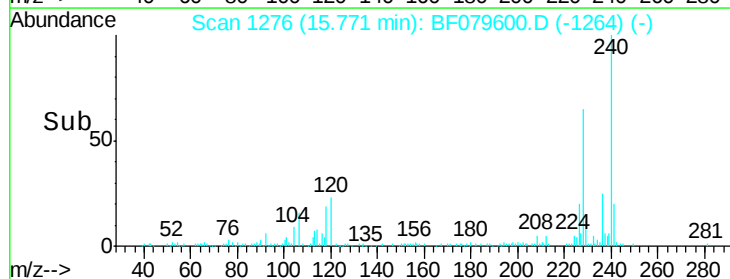
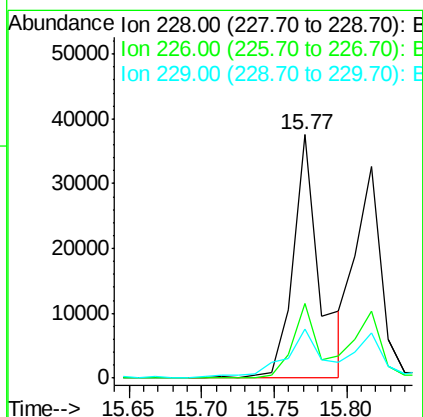
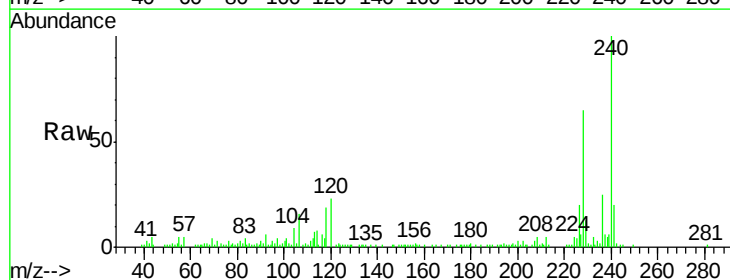
Instrument :
 BNA_F
 ClientSampleId :
 PULASKIST7.3(2)

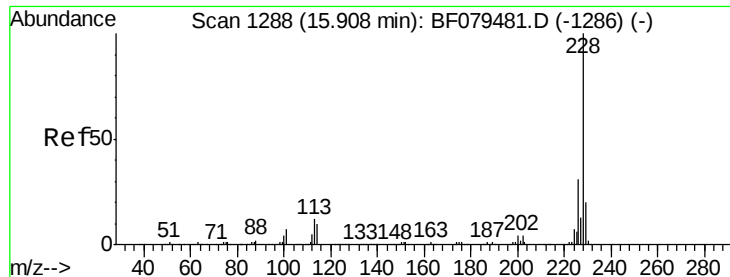
Tgt Ion:244 Resp: 1013321
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.2 7.8
 122 14.2 8.0 12.0#



#80
 Benzo(a)anthracene
 Concen: 3.44 ng
 RT: 15.77 min Scan# 1276
 Delta R.T. -0.06 min
 Lab File: BF079600.D
 Acq: 30 May 2015 13:53

Tgt Ion:228 Resp: 47596
 Ion Ratio Lower Upper
 228 100
 226 30.8 22.8 34.2
 229 19.9 15.9 23.9





#82

Chrysene

Concen: 3.03 ng

RT: 15.82 min Scan# 1280

Delta R.T. -0.06 min

Lab File: BF079600.D

Acq: 30 May 2015 13:53

Instrument :

BNA_F

ClientSampleId :

PULASKIST7.3(2)

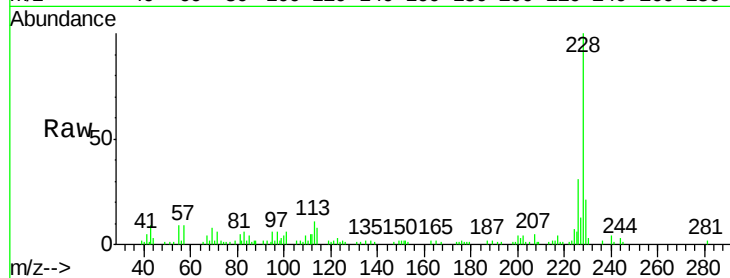
Tgt Ion:228 Resp: 39845

Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.4

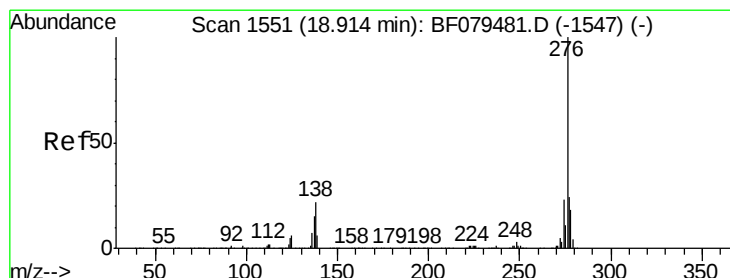
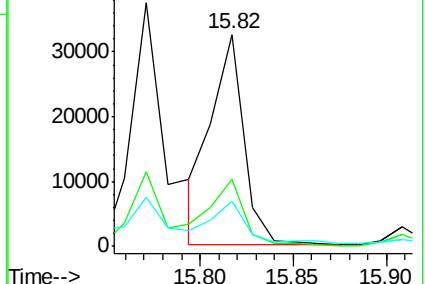
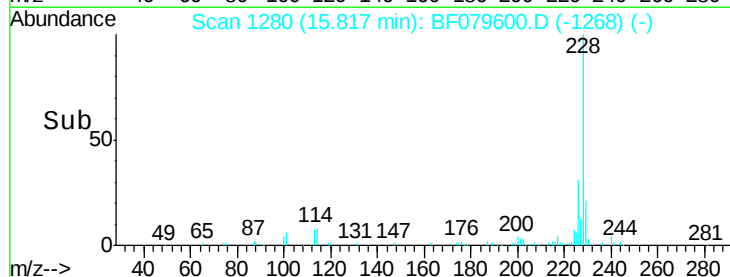
229 21.4 15.9 23.9



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: 2.43 ng

RT: 18.80 min Scan# 1541

Delta R.T. -0.22 min

Lab File: BF079600.D

Acq: 30 May 2015 13:53

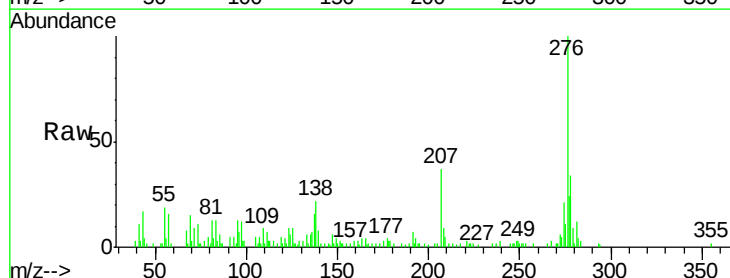
Tgt Ion:276 Resp: 41223

Ion Ratio Lower Upper

276 100

138 22.8 21.4 32.2

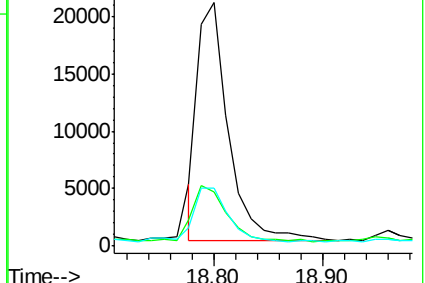
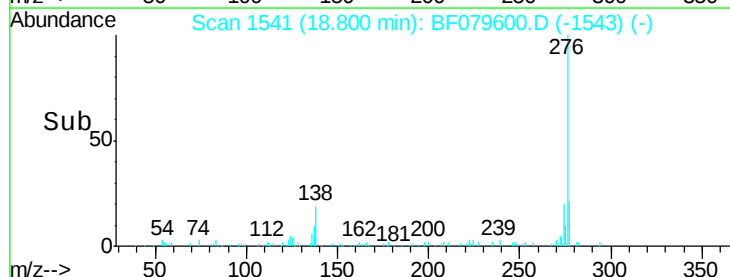
277 22.5 19.8 29.6

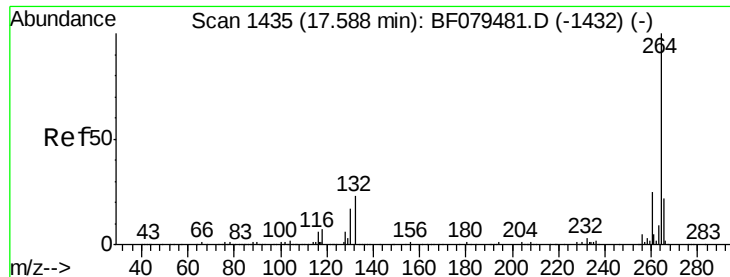


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



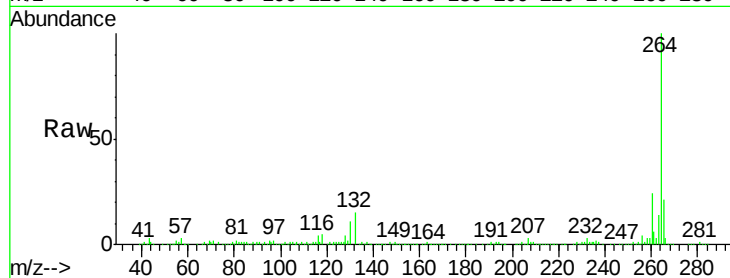


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.51 min Scan# 1428
Delta R.T. -0.16 min
Lab File: BF079600.D
Acq: 30 May 2015 13:53

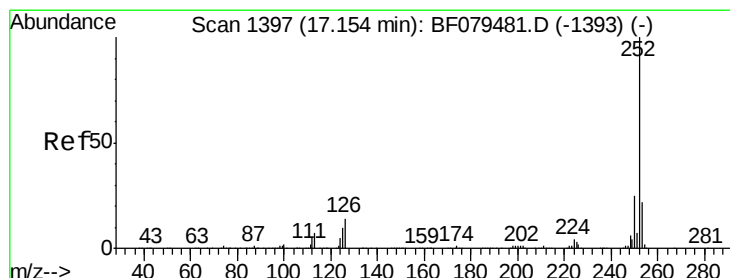
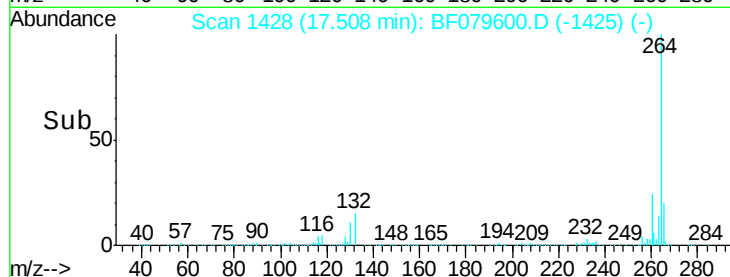
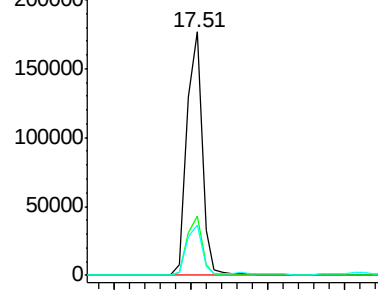
Instrument :
BNA_F
ClientSampleId :
PULASKIST7.3(2)

Tgt Ion: 264 Resp: 247357

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.8	29.8
265	20.7	17.8	26.6



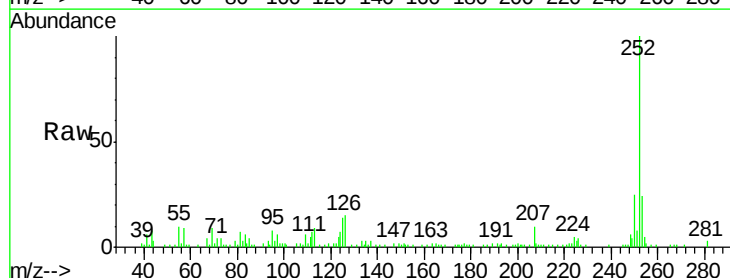
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



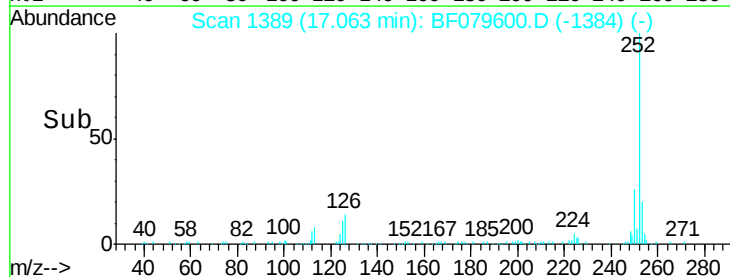
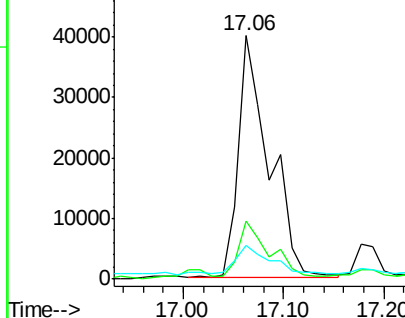
#87
Benzo(b)fluoranthene
Concen: 6.01 ng
RT: 17.06 min Scan# 1389
Delta R.T. -0.14 min
Lab File: BF079600.D
Acq: 30 May 2015 13:53

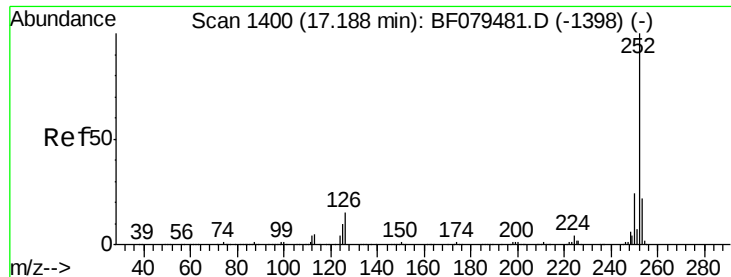
Tgt Ion: 252 Resp: 84847

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	14.0	7.8	11.6



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: 6.79 ng

RT: 17.06 min Scan# 1389

Delta R.T. -0.17 min

Lab File: BF079600.D

Acq: 30 May 2015 13:53

Instrument :

BNA_F

ClientSampleId :

PULASKIST7.3(2)

Tgt Ion:252 Resp: 85668

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

125 14.0 6.8 10.2

