

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052915\
 Data File : BF079593.D
 Acq On : 30 May 2015 8:59
 Operator : TP/IZ
 Sample : G2416-10
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAMPTP-440SB3.1(6)

Quant Time: May 31 05:30:47 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

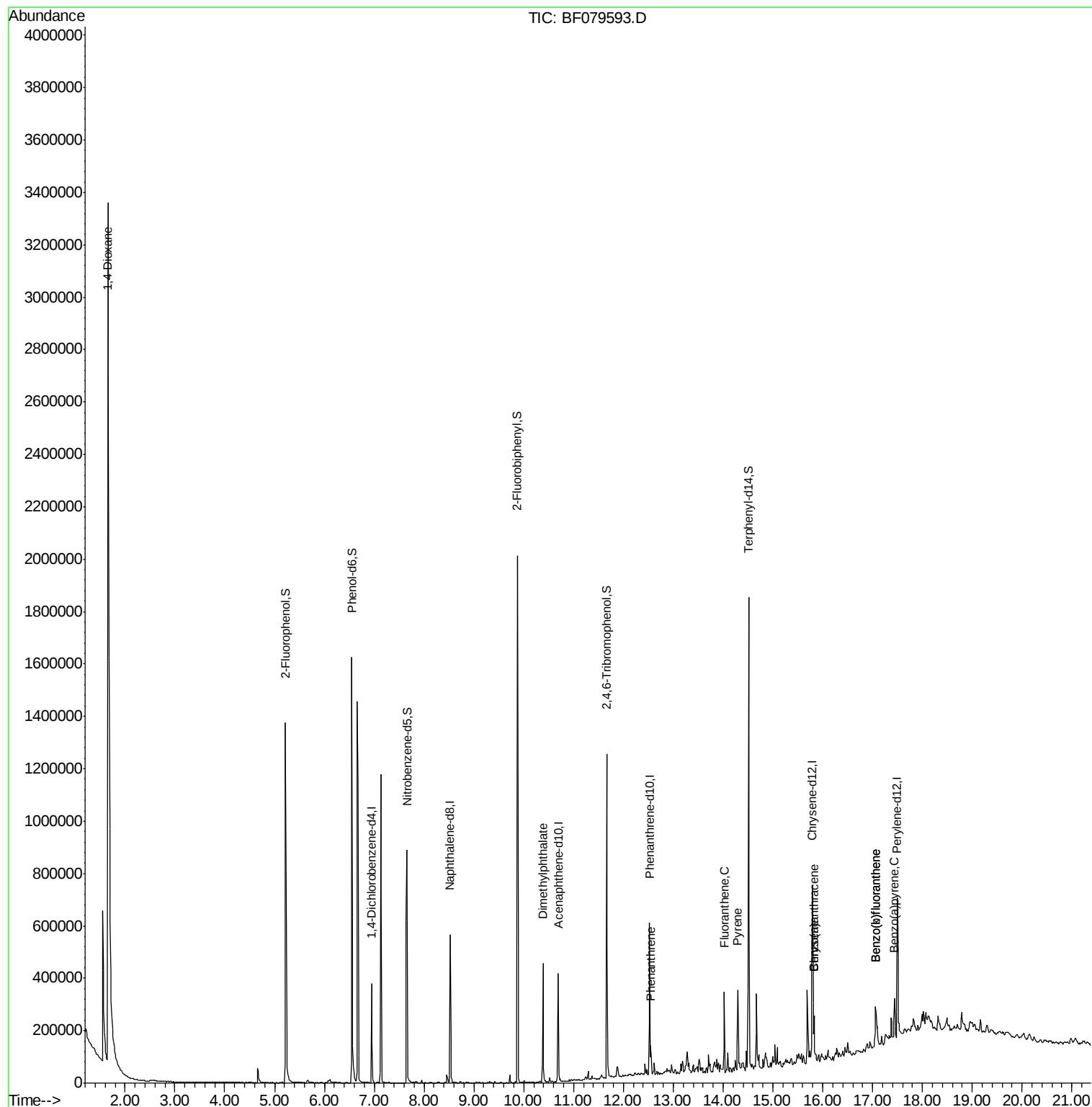
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	67099	20.00	ng	-0.01
21) Naphthalene-d8	8.52	136	274899	20.00	ng	-0.01
38) Acenaphthene-d10	10.70	164	121754	20.00	ng	-0.01
63) Phenanthrene-d10	12.53	188	232270	20.00	ng	-0.01
75) Chrysene-d12	15.79	240	237517	20.00	ng	-0.05
86) Perylene-d12	17.50	264	255531	20.00	ng	-0.17
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	536512	138.69	ng	-0.01
7) Phenol-d6	6.55	99	684042	138.73	ng	-0.01
23) Nitrobenzene-d5	7.66	82	390116	82.03	ng	-0.01
41) 2,4,6-Tribromophenol	11.67	330	185494	138.71	ng	-0.02
44) 2-Fluorobiphenyl	9.87	172	651379	76.33	ng	-0.01
78) Terphenyl-d14	14.51	244	660768	65.29	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	1.66	88	183858	99.91	ng	# 100
9) Benzaldehyde	6.42	77	207	Below Cal		# 1
49) Dimethylphthalate	10.39	163	189302	21.10	ng	99
70) Phenanthrene	12.55	178	54409	4.27	ng	98
73) Di-n-butylphthalate	13.29	149	2962	Below Cal		# 71
74) Fluoranthene	14.02	202	132546	9.70	ng	99
77) Pyrene	14.30	202	125335	8.52	ng	98
80) Benzo(a)anthracene	15.83	228	70744	5.18	ng	96
82) Chrysene	15.83	228	70950	5.46	ng	97
87) Benzo(b)fluoranthene	17.06	252	131464	9.02	ng	97
88) Benzo(k)fluoranthene	17.06	252	131464	10.09	ng	# 96
89) Benzo(a)pyrene	17.44	252	74739	4.10	ng	99
90) Dibenzo(a,h)anthracene	18.87	278	4385	Below Cal		# 57
91) Benzo(g,h,i)perylene	19.17	276	41441	Below Cal		95

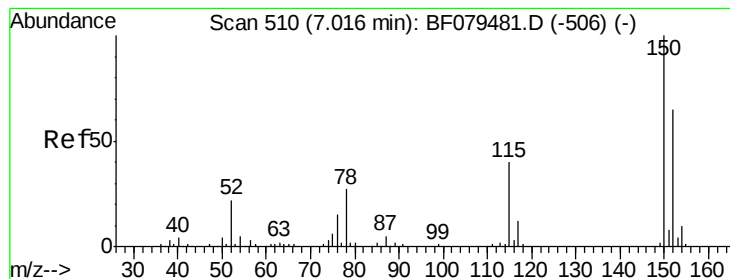
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.95 min Scan# 504

Delta R.T. -0.01 min

Lab File: BF079593.D

Acq: 30 May 2015 8:59

Instrument :

BNA_F

ClientSampleId :

RAMPTP-440SB3.1(6)

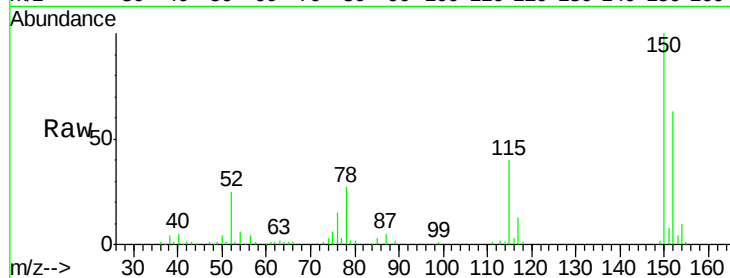
Tgt Ion:152 Resp: 67099

Ion Ratio Lower Upper

152 100

150 159.8 124.0 186.0

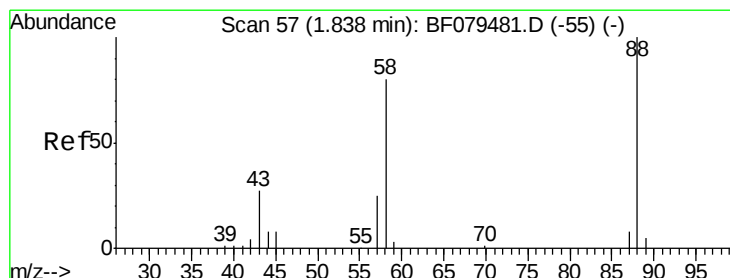
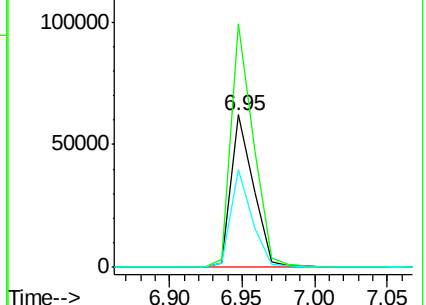
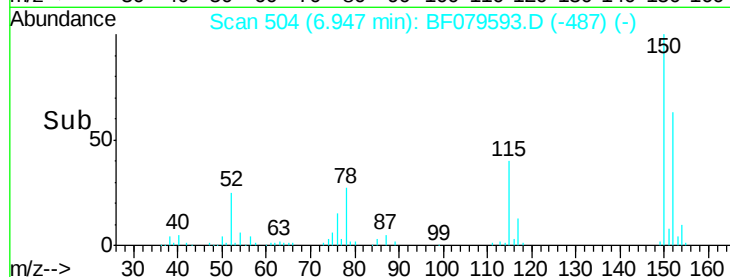
115 64.0 49.6 74.4



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: 99.91 ng

RT: 1.66 min Scan# 41

Delta R.T. -0.11 min

Lab File: BF079593.D

Acq: 30 May 2015 8:59

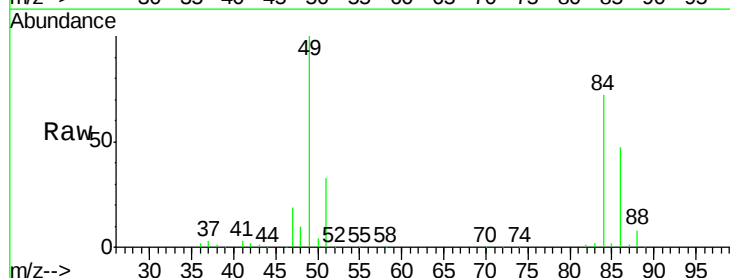
Tgt Ion: 88 Resp: 183858

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

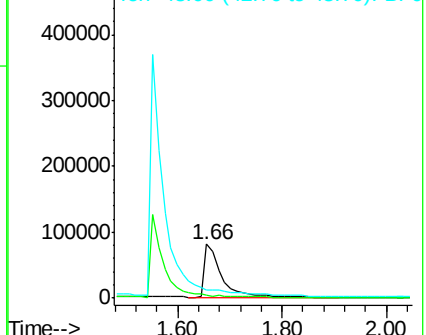
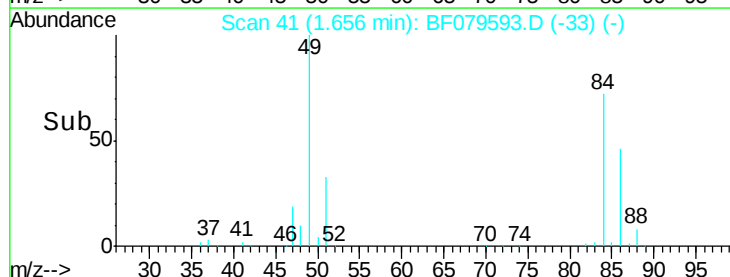
43 0.0 0.0 0.0

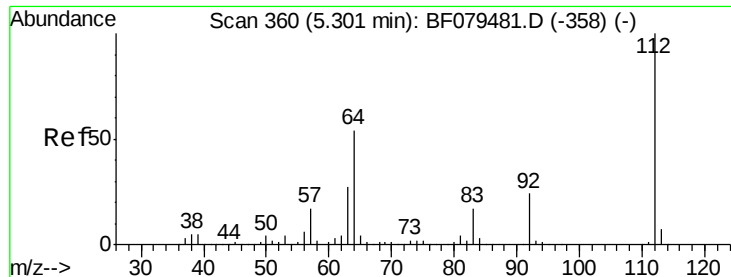


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

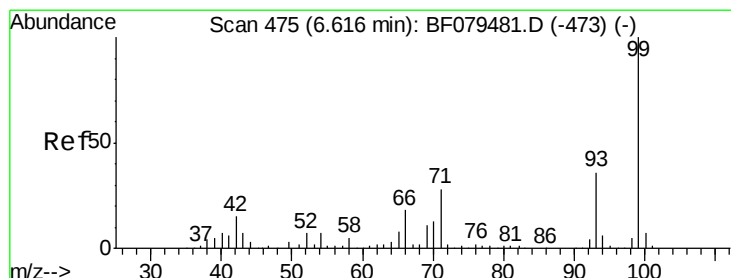
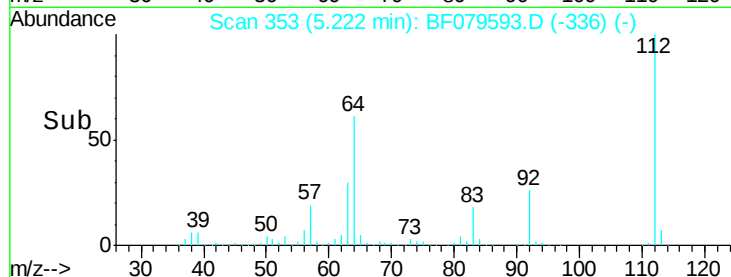
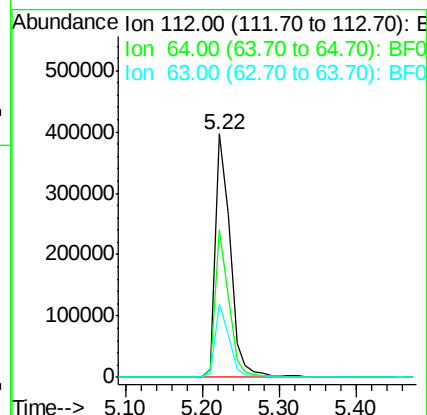
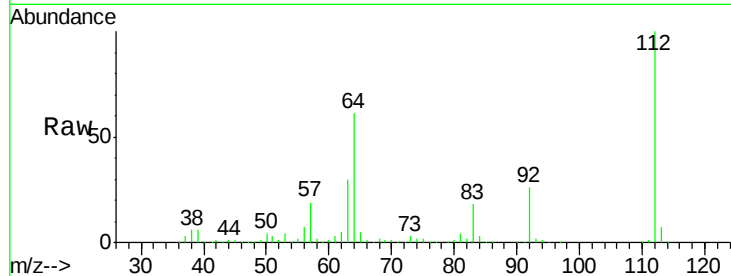




#5
 2-Fluorophenol
 Concen: 138.69 ng
 RT: 5.22 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: BF079593.D
 Acq: 30 May 2015 8:59

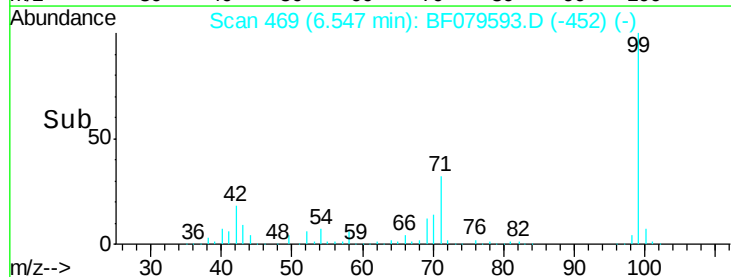
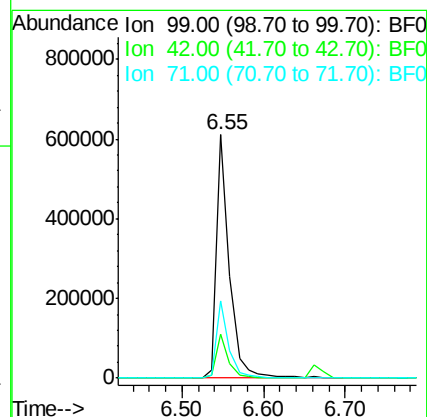
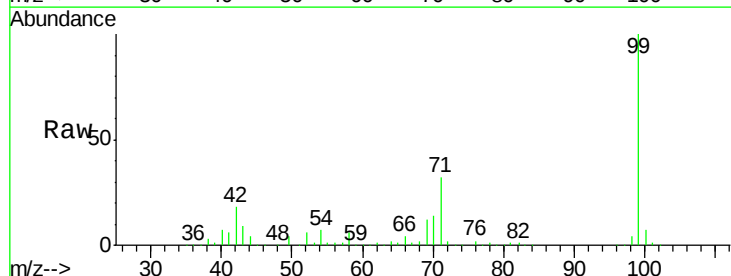
Instrument :
 BNA_F
 ClientSampleId :
 RAMPTP-440SB3.1(6)

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	43.5	65.3
63	30.3	21.8	32.8



#7
 Phenol-d6
 Concen: 138.73 ng
 RT: 6.55 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: BF079593.D
 Acq: 30 May 2015 8:59

Tgt Ion	Ratio	Lower	Upper
99	100		
42	17.8	11.9	17.9
71	31.7	22.1	33.1

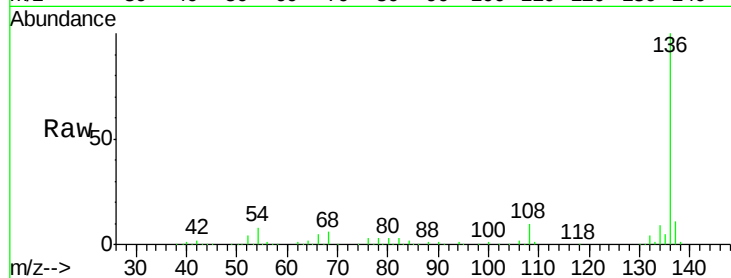




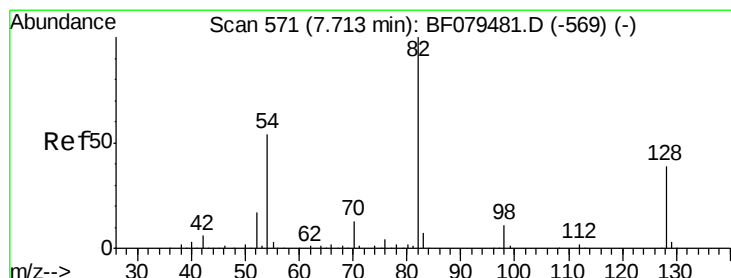
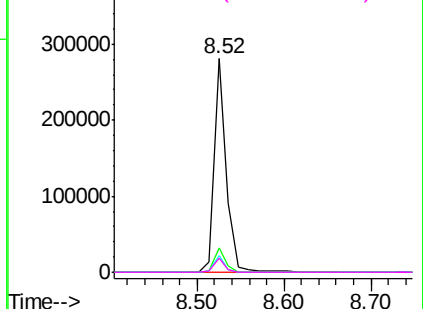
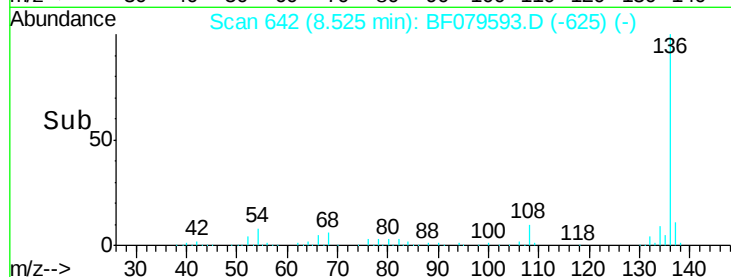
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.52 min Scan# 642
Delta R.T. -0.01 min
Lab File: BF079593.D
Acq: 30 May 2015 8:59

Instrument :
BNA_F
ClientSampleId :
RAMPTP-440SB3.1(6)

Tgt Ion:	136	Resp:	274899
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.5	12.7
54	8.0	6.6	9.8
68	6.4	4.7	7.1

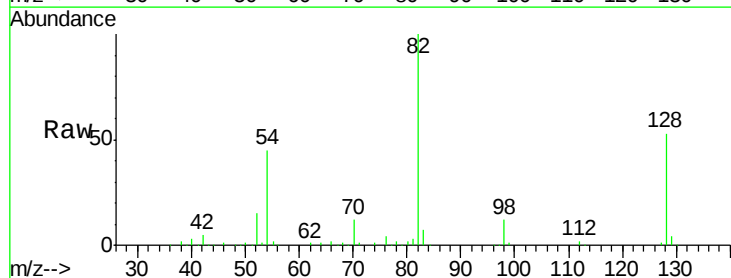


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

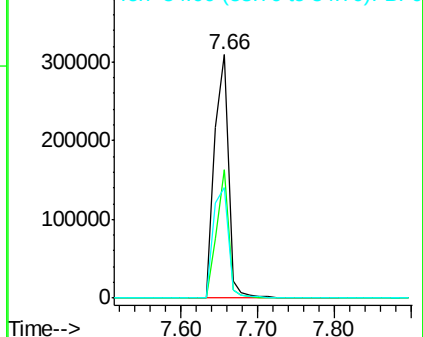
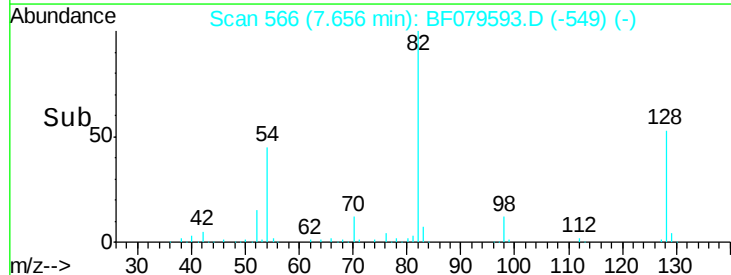


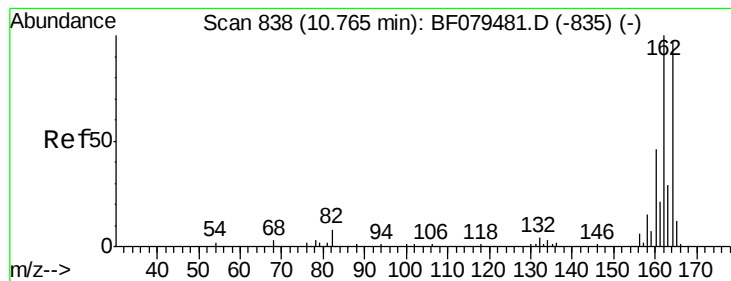
#23
Nitrobenzene-d5
Concen: 82.03 ng
RT: 7.66 min Scan# 566
Delta R.T. -0.01 min
Lab File: BF079593.D
Acq: 30 May 2015 8:59

Tgt Ion:	82	Resp:	390116
Ion	Ratio	Lower	Upper
82	100		
128	52.5	30.8	46.2#
54	45.4	42.8	64.2



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.70 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF079593.D

Acq: 30 May 2015 8:59

Instrument :

BNA_F

ClientSampleId :

RAMPTP-440SB3.1(6)

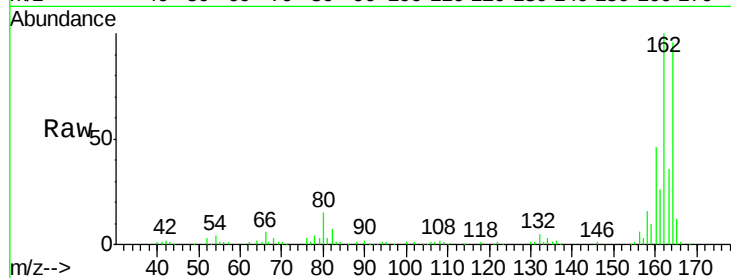
Tgt Ion:164 Resp: 121754

Ion Ratio Lower Upper

164 100

162 103.6 82.6 124.0

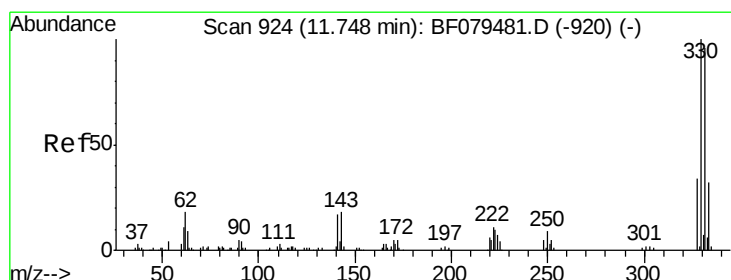
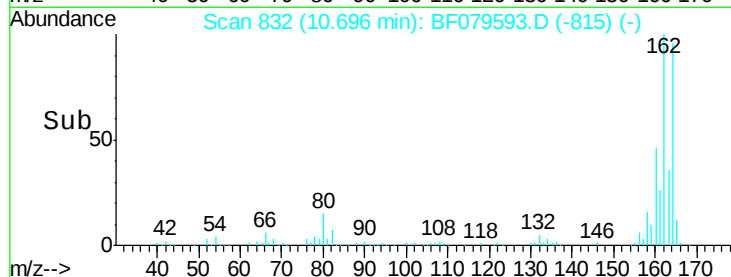
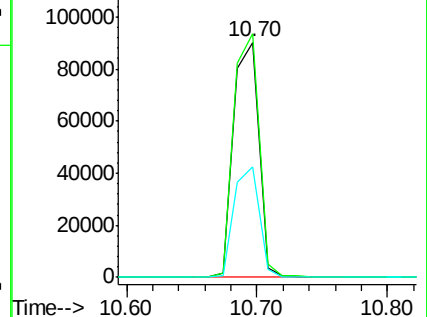
160 47.3 37.7 56.5



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: 138.71 ng

RT: 11.67 min Scan# 917

Delta R.T. -0.02 min

Lab File: BF079593.D

Acq: 30 May 2015 8:59

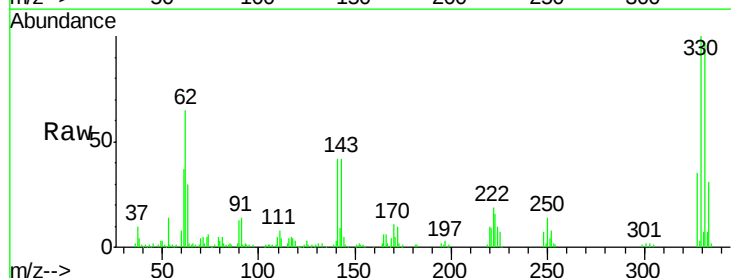
Tgt Ion:330 Resp: 185494

Ion Ratio Lower Upper

330 100

332 96.6 0.0 0.0#

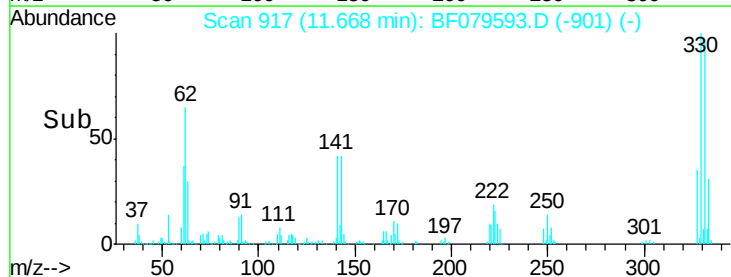
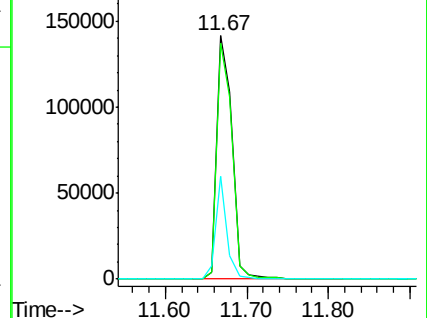
141 31.7 0.0 0.0#

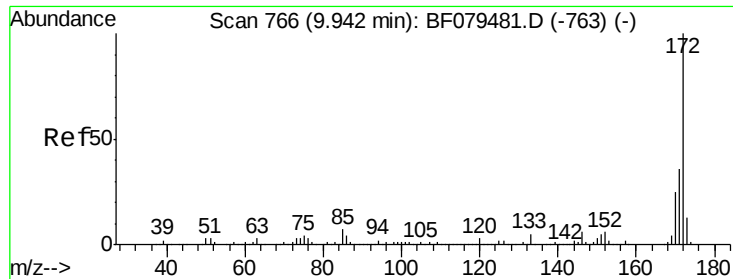


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

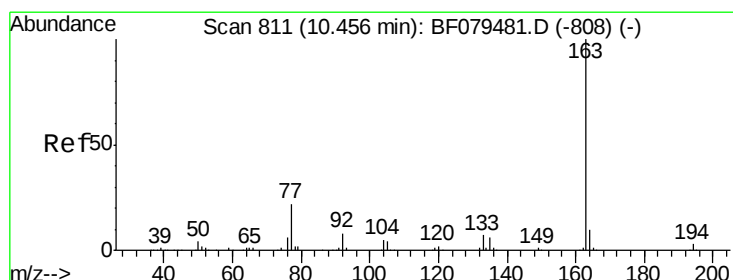
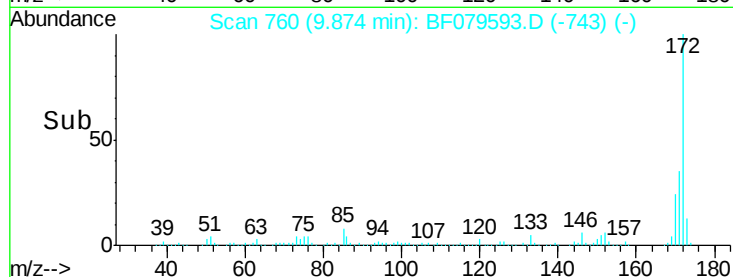
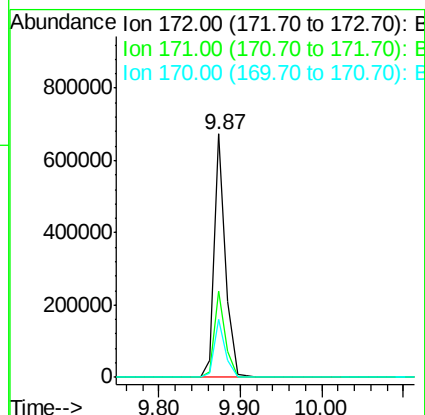
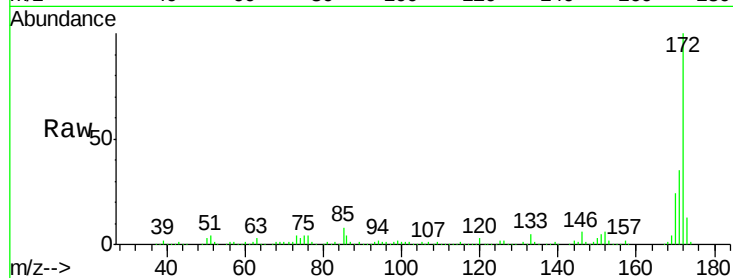




#44
 2-Fluorobiphenyl
 Concen: 76.33 ng
 RT: 9.87 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF079593.D
 Acq: 30 May 2015 8:59

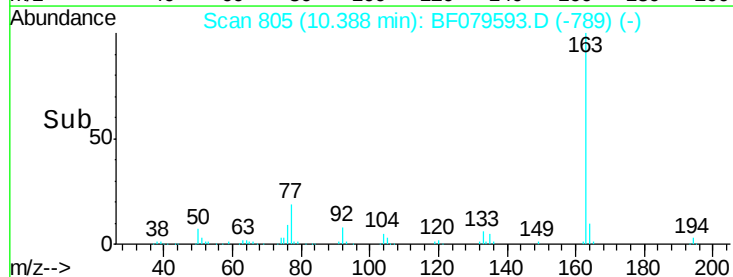
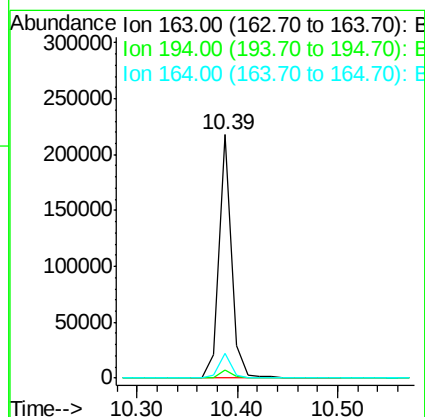
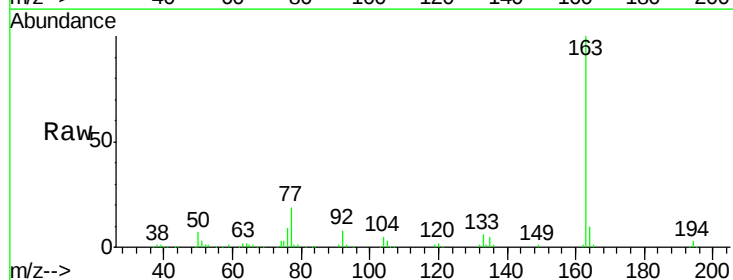
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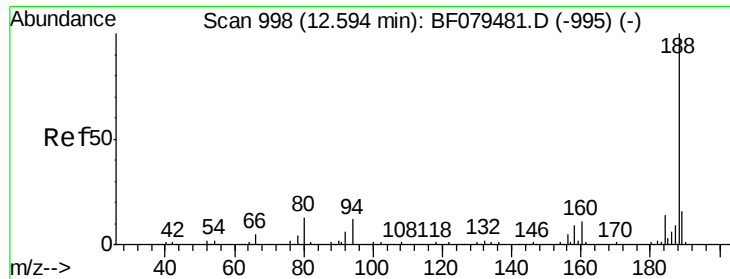
Tgt Ion:172 Resp: 651379
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.5 42.7
 170 24.0 19.7 29.5



#49
 Dimethylphthalate
 Concen: 21.10 ng
 RT: 10.39 min Scan# 805
 Delta R.T. -0.02 min
 Lab File: BF079593.D
 Acq: 30 May 2015 8:59

Tgt Ion:163 Resp: 189302
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.4 3.6
 164 10.0 8.2 12.4

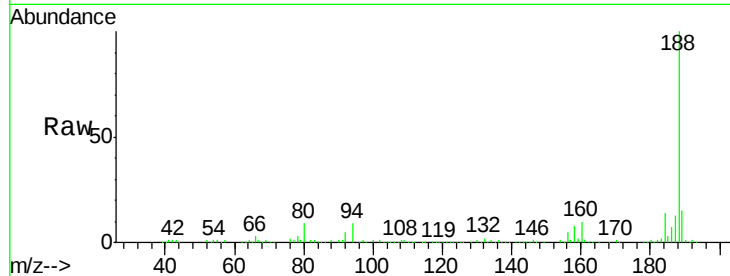




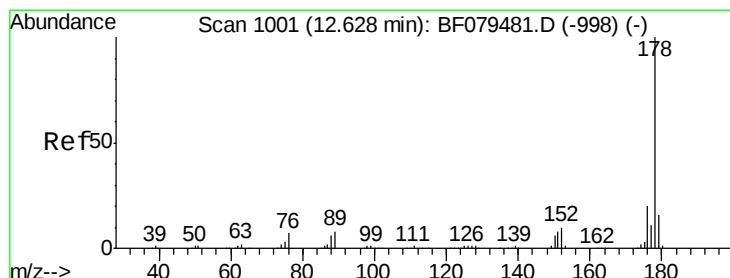
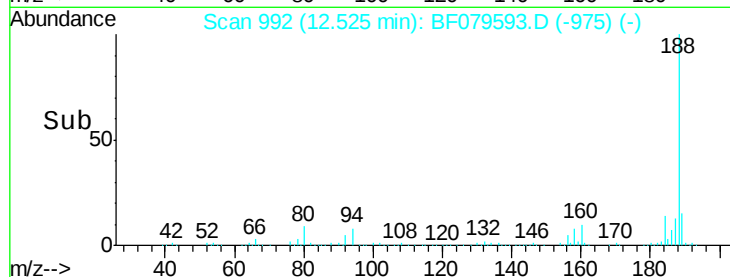
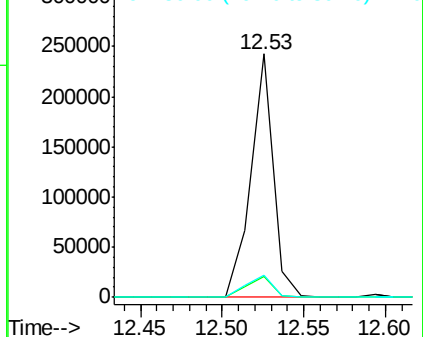
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.53 min Scan# 992
Delta R.T. -0.01 min
Lab File: BF079593.D
Acq: 30 May 2015 8:59

Instrument :
BNA_F
ClientSampleId :
RAMPTP-440SB3.1(6)

Tgt Ion:188 Resp: 232270
Ion Ratio Lower Upper
188 100
94 8.5 9.8 14.6#
80 9.0 10.5 15.7#

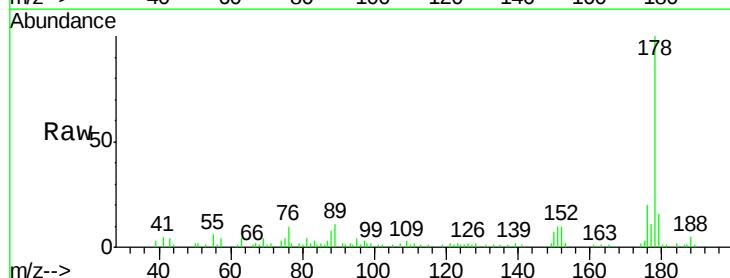


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

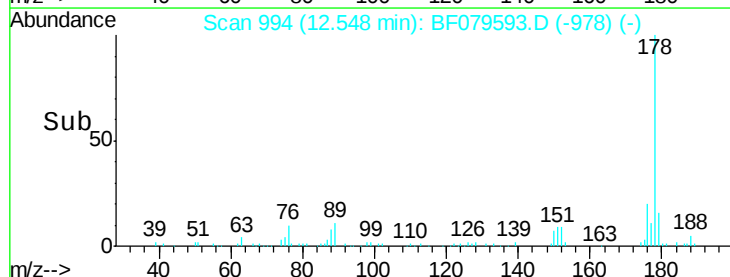
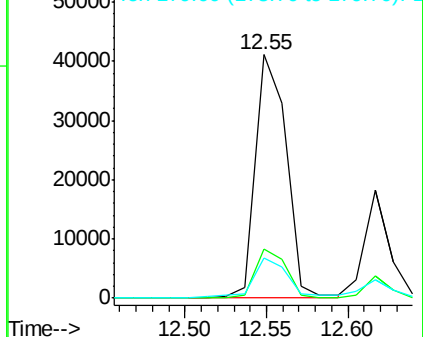


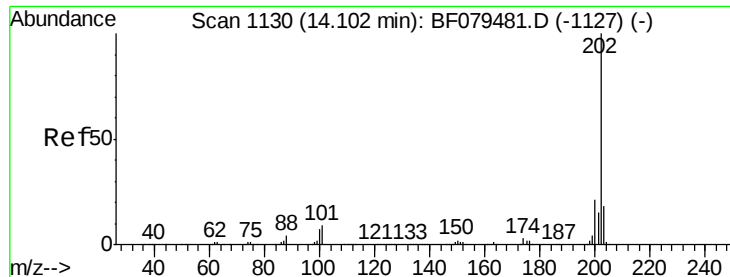
#70
Phenanthrene
Concen: 4.27 ng
RT: 12.55 min Scan# 994
Delta R.T. -0.02 min
Lab File: BF079593.D
Acq: 30 May 2015 8:59

Tgt Ion:178 Resp: 54409
Ion Ratio Lower Upper
178 100
176 20.2 15.7 23.5
179 16.4 12.4 18.6



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





#74

Fluoranthene

Concen: 9.70 ng

RT: 14.02 min Scan# 1123

Delta R.T. -0.01 min

Lab File: BF079593.D

Acq: 30 May 2015 8:59

Instrument :

BNA_F

ClientSampleId :

RAMPTP-440SB3.1(6)

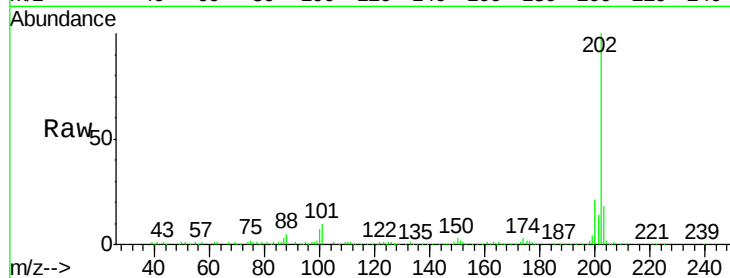
Tgt Ion:202 Resp: 132546

Ion Ratio Lower Upper

202 100

101 10.3 0.0 29.3

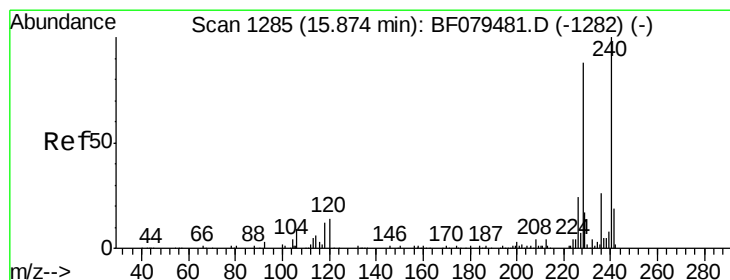
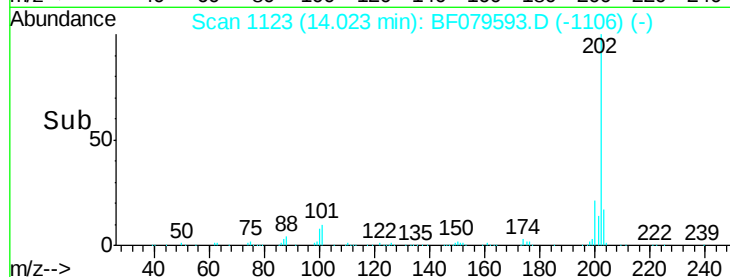
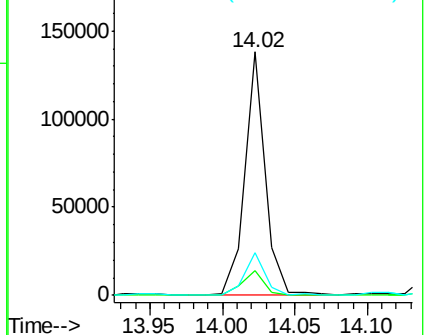
203 17.6 0.0 37.6



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: 15.79 min Scan# 1278

Delta R.T. -0.05 min

Lab File: BF079593.D

Acq: 30 May 2015 8:59

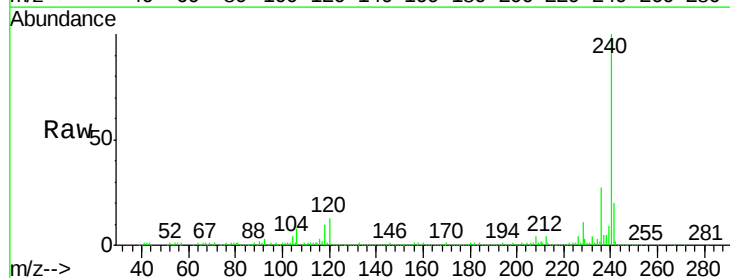
Tgt Ion:240 Resp: 237517

Ion Ratio Lower Upper

240 100

120 12.7 10.8 16.2

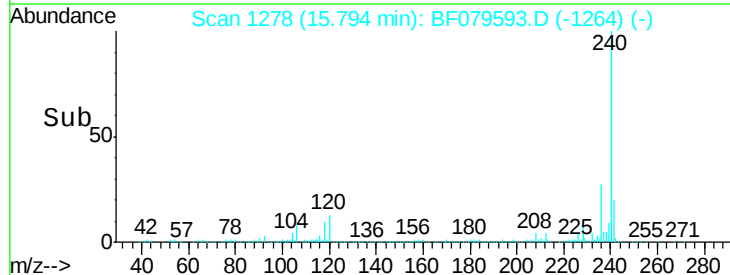
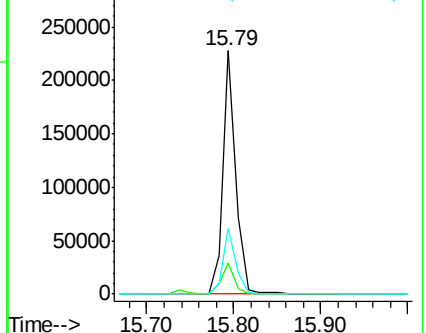
236 27.0 21.0 31.6

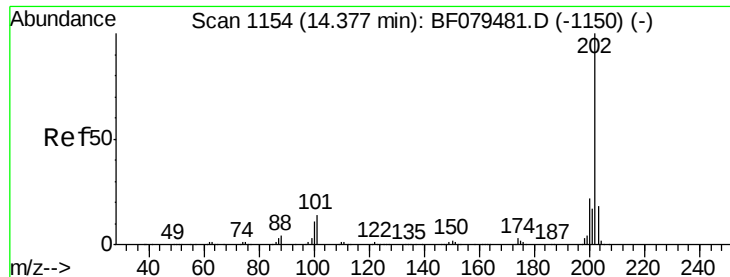


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 8.52 ng

RT: 14.30 min Scan# 1147

Delta R.T. -0.02 min

Lab File: BF079593.D

Acq: 30 May 2015 8:59

Instrument :

BNA_F

ClientSampleId :

RAMPTP-440SB3.1(6)

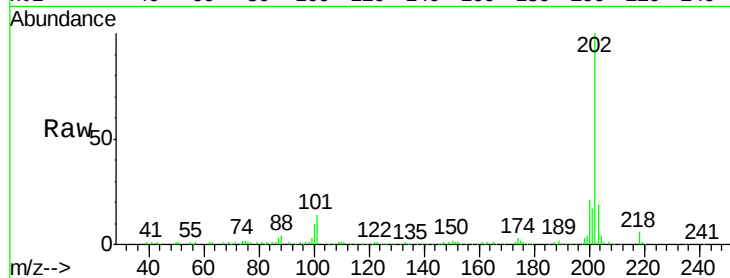
Tgt Ion: 202 Resp: 125335

Ion Ratio Lower Upper

202 100

200 20.9 17.5 26.3

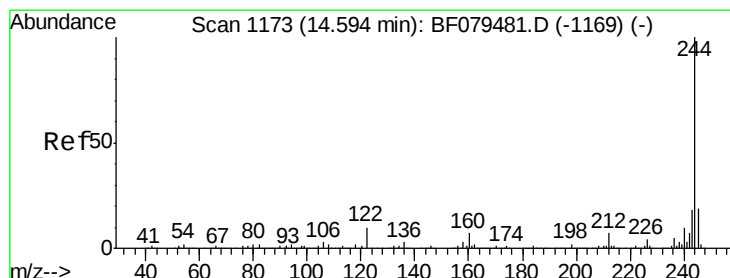
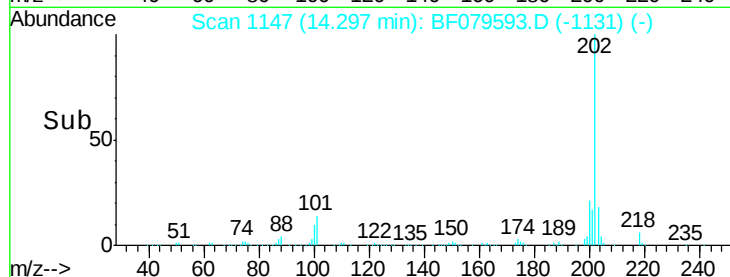
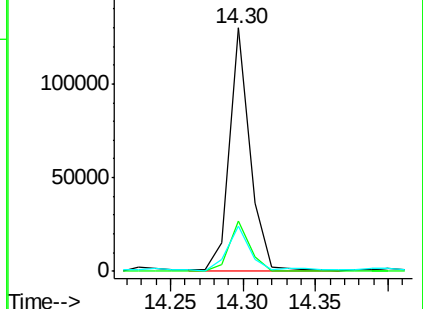
203 18.6 14.4 21.6



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



#78

Terphenyl-d14

Concen: 65.29 ng

RT: 14.51 min Scan# 1166

Delta R.T. -0.02 min

Lab File: BF079593.D

Acq: 30 May 2015 8:59

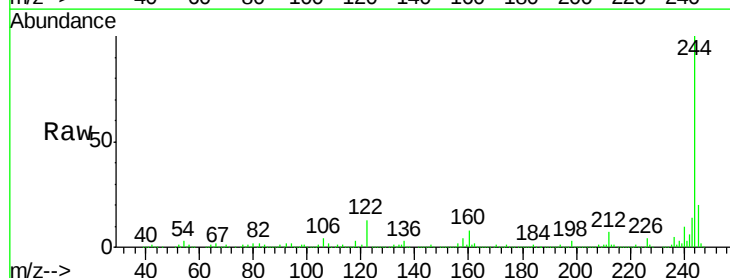
Tgt Ion: 244 Resp: 660768

Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

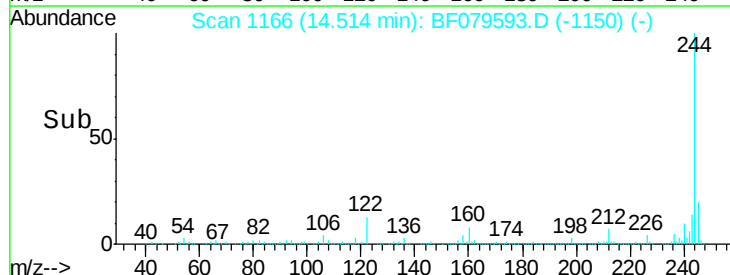
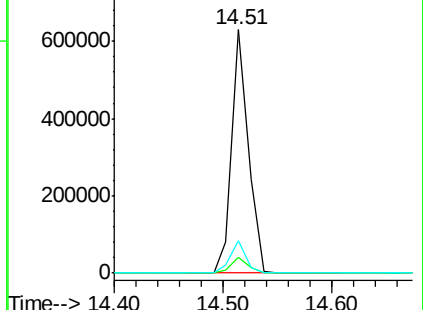
122 13.3 8.0 12.0#

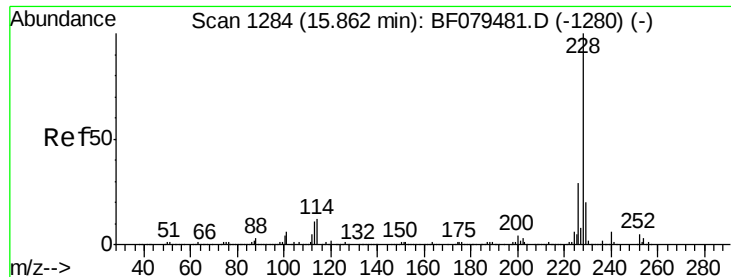


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.18 ng

RT: 15.83 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BF079593.D

Acq: 30 May 2015 8:59

Instrument :

BNA_F

ClientSampleId :

RAMPTP-440SB3.1(6)

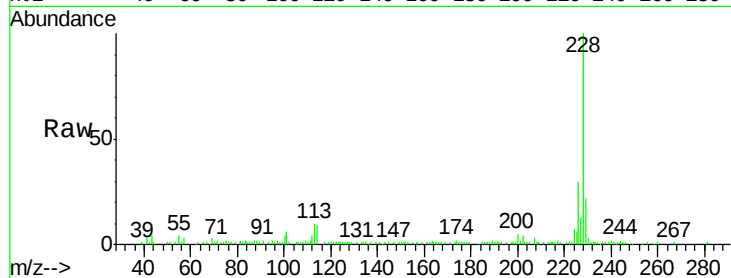
Tgt Ion:228 Resp: 70744

Ion Ratio Lower Upper

228 100

226 30.5 22.8 34.2

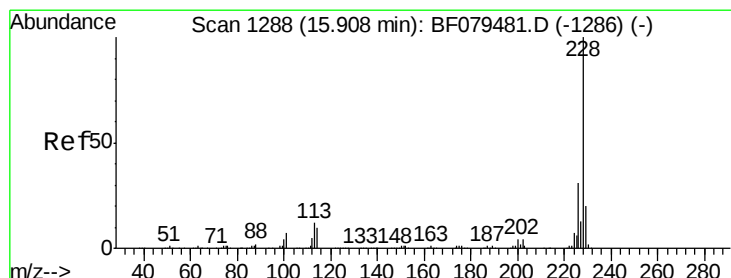
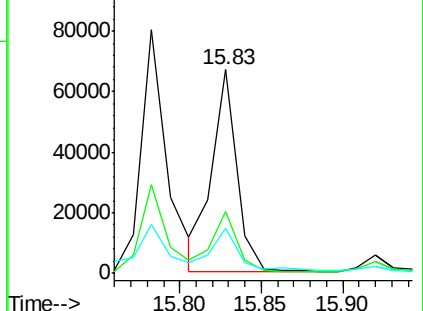
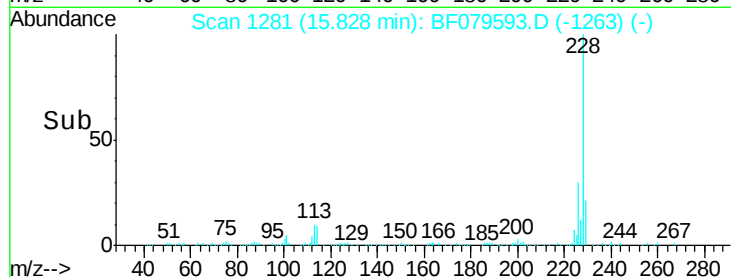
229 22.1 15.9 23.9



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



#82

Chrysene

Concen: 5.46 ng

RT: 15.83 min Scan# 1281

Delta R.T. -0.05 min

Lab File: BF079593.D

Acq: 30 May 2015 8:59

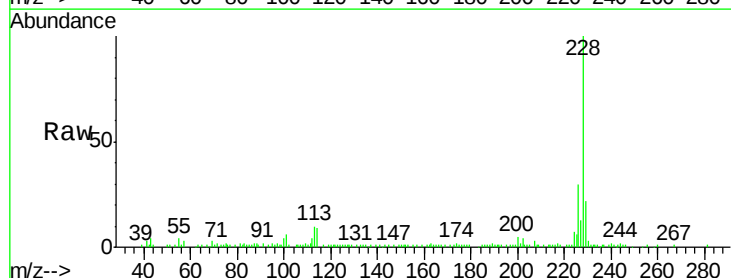
Tgt Ion:228 Resp: 70950

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.4

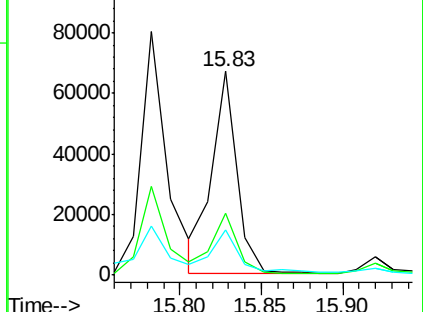
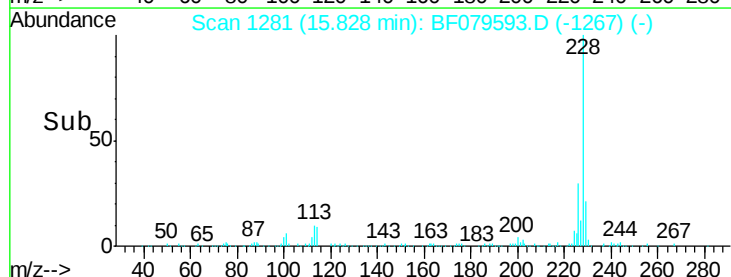
229 22.1 15.9 23.9

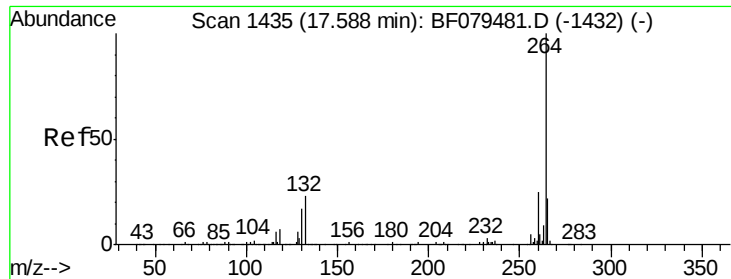


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

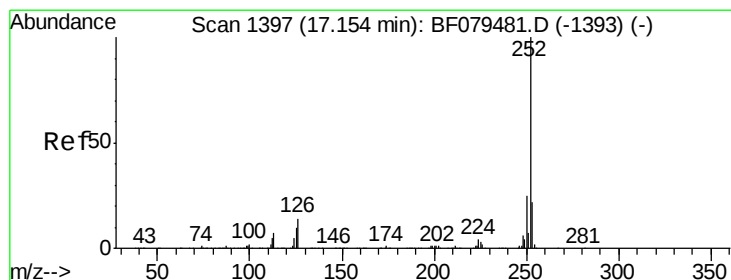
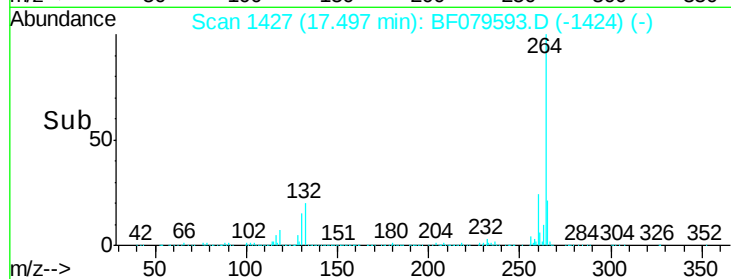
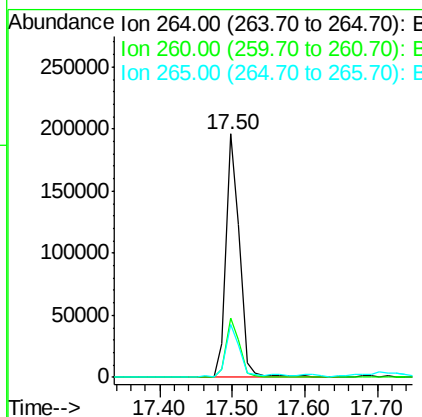
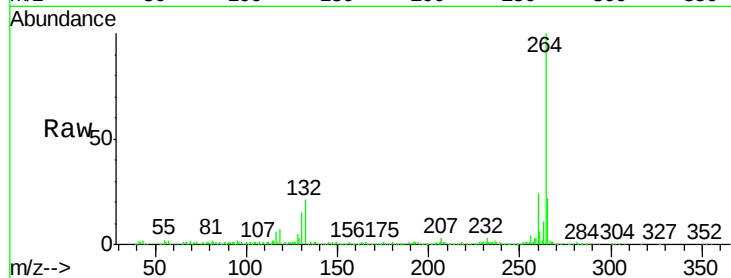




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.50 min Scan# 1427
Delta R.T. -0.17 min
Lab File: BF079593.D
Acq: 30 May 2015 8:59

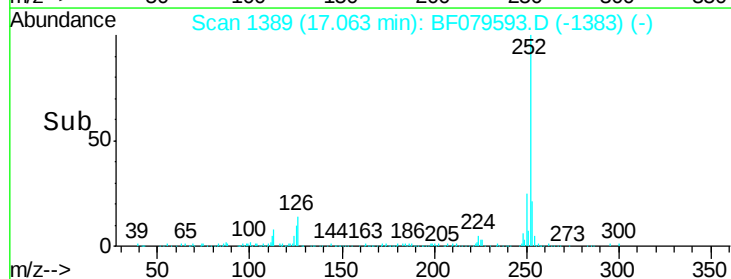
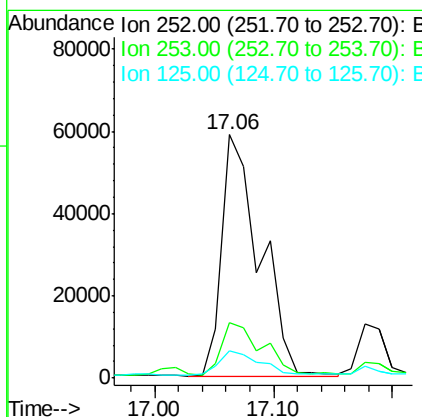
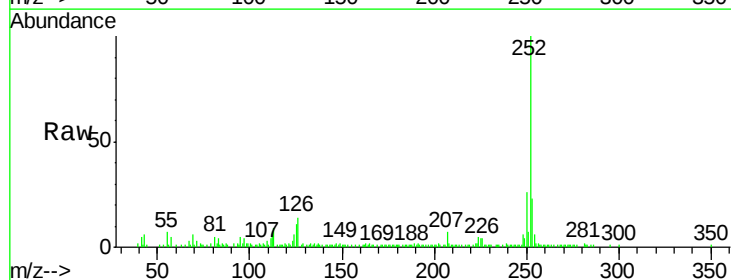
Instrument :
BNA_F
ClientSampleId :
RAMPTP-440SB3.1(6)

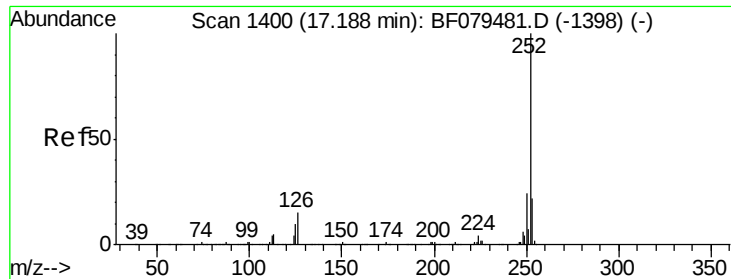
Tgt Ion: 264 Resp: 255531
Ion Ratio Lower Upper
264 100
260 24.1 19.8 29.8
265 21.7 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 9.02 ng
RT: 17.06 min Scan# 1389
Delta R.T. -0.14 min
Lab File: BF079593.D
Acq: 30 May 2015 8:59

Tgt Ion: 252 Resp: 131464
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 11.3 7.8 11.6

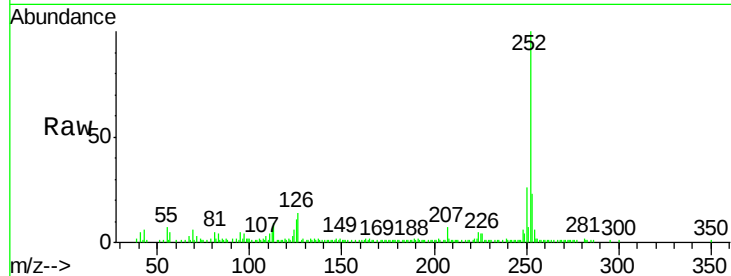




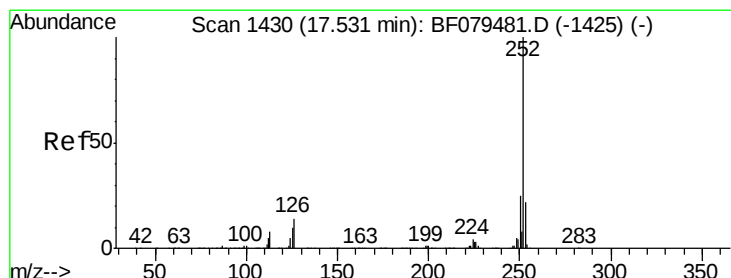
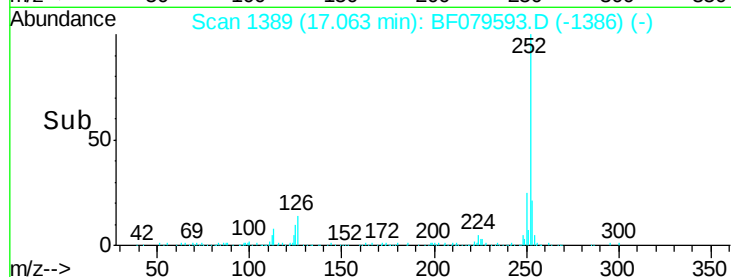
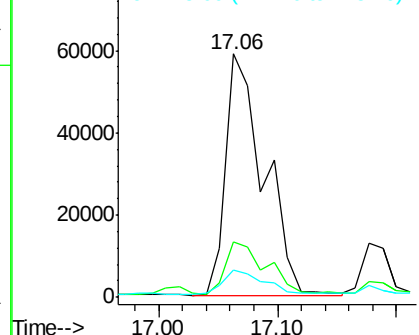
#88
Benzo(k)fluoranthene
Concen: 10.09 ng
RT: 17.06 min Scan# 1389
Delta R.T. -0.17 min
Lab File: BF079593.D
Acq: 30 May 2015 8:59

Instrument :
BNA_F
ClientSampleId :
RAMPTP-440SB3.1(6)

Tgt Ion:252 Resp: 131464
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 11.3 6.8 10.2#

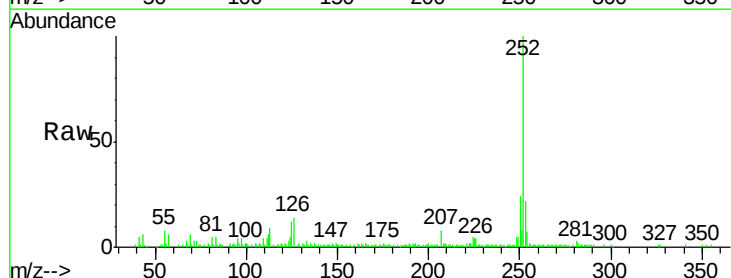


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 4.10 ng
RT: 17.44 min Scan# 1422
Delta R.T. -0.17 min
Lab File: BF079593.D
Acq: 30 May 2015 8:59

Tgt Ion:252 Resp: 74739
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 11.5 7.9 11.9



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

