

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
 Data File : BF079460.D
 Acq On : 23 May 2015 6:57
 Operator : TP/IZ
 Sample : G2255-10 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KY032MW006-150512

Quant Time: May 26 12:42:57 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 25 06:56:43 2015
 Response via : Initial Calibration

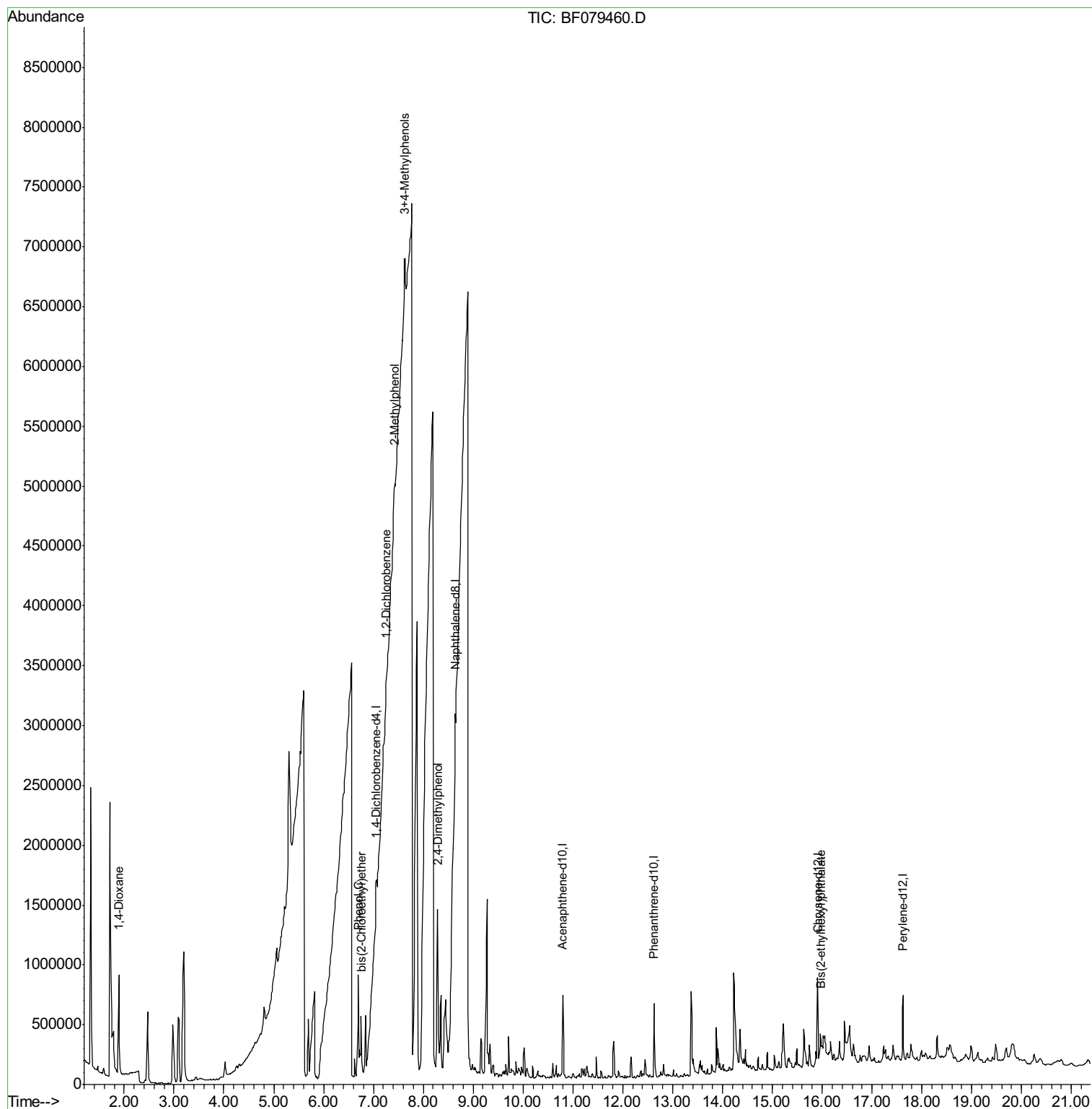
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.05	152	63254	20.00	ng	0.00
21) Naphthalene-d8	8.64	136	260119	20.00	ng	0.01
38) Acenaphthene-d10	10.80	164	139065	20.00	ng	0.00
63) Phenanthrene-d10	12.63	188	268533	20.00	ng	0.00
75) Chrysene-d12	15.91	240	269125	20.00	ng	0.00
86) Perylene-d12	17.62	264	280033	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	3185m	0.87	ng	0.03
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	7.76	82	1386	0.31	ng	0.01
41) 2,4,6-Tribromophenol	11.78	330	1106	0.74	ng	0.00
44) 2-Fluorobiphenyl	9.99	172	9389	0.94	ng	0.01
78) Terphenyl-d14	14.63	244	10900	0.97	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.90	88	401449m	251.27	ng	97
10) Phenol	6.70	94	152567m	27.08	ng	
11) bis(2-Chloroethyl)ether	6.75	93	165903m	40.16	ng	
14) 1,2-Dichlorobenzene	7.26	146	27893	6.21	ng	
17) 2-Methylphenol	7.42	107	72449m	21.60	ng	
20) 3+4-Methylphenols	7.62	107	401094m	89.75	ng	99
27) 2,4-Dimethylphenol	8.28	122	174210m	46.88	ng	
83) Bis(2-ethylhexyl)phthalate	15.97	149	26780	2.61	ng	

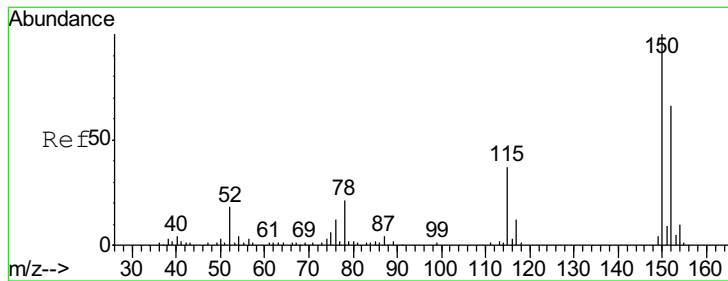
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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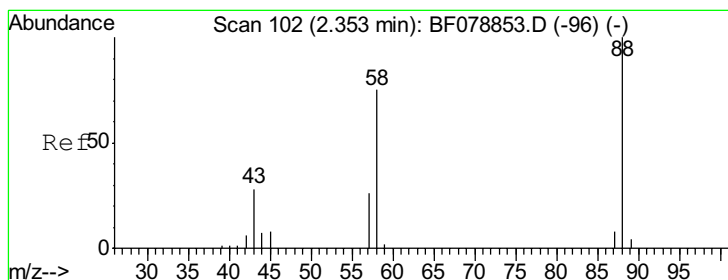
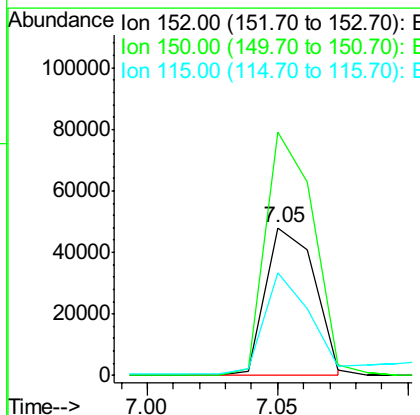
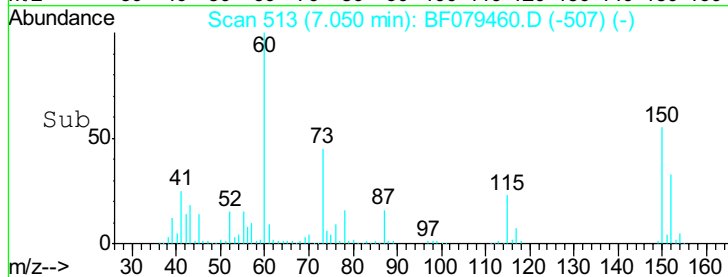
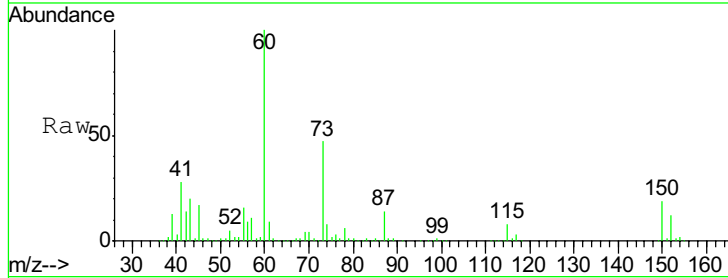




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.05 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: BF079460.D
 Acq: 23 May 2015 6:57

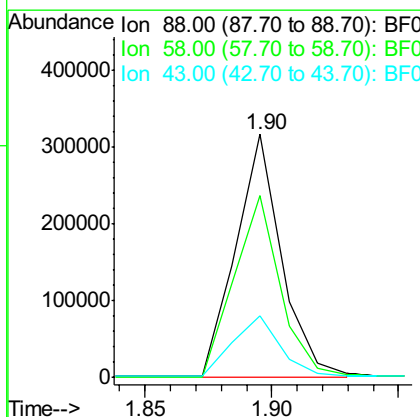
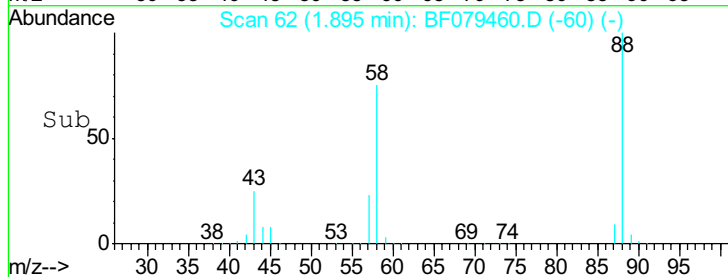
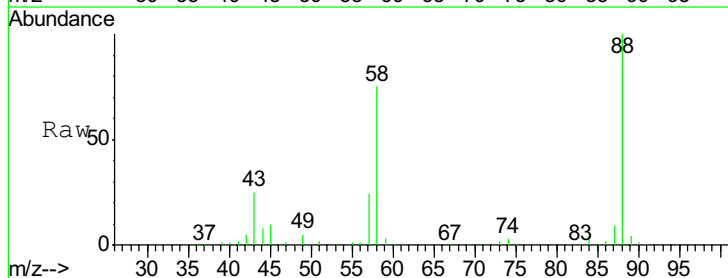
Instrument :
 BNA_F
 ClientSampleId :
 KY032MW006-150512

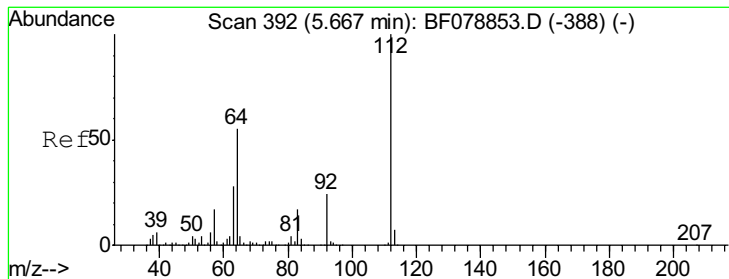
Tot Ion:152 Resp: 63254
 Ion Ratio Lower Upper
 152 100
 150 164.6 123.8 185.8
 115 69.3 49.4 74.0



#2
 1,4-Dioxane
 Concen: 251.27 ng m
 RT: 1.90 min Scan# 62
 Delta R.T. -0.00 min
 Lab File: BF079460.D
 Acq: 23 May 2015 6:57

Tgt Ion: 88 Resp: 401449
 Ion Ratio Lower Upper
 88 100
 58 0.0 63.5 95.3#
 43 0.0 24.6 37.0#





#5

2-Fluorophenol

Concen: 0.87 ng m

RT: 5.36 min Scan# 365

Delta R.T. 0.03 min

Lab File: BF079460.D

Acq: 23 May 2015 6:57

Instrument :

BNA_F

ClientSampleId :

KY032MW006-150512

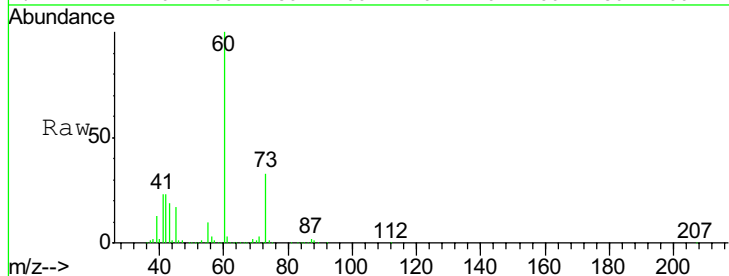
Tot Ion:112 Resp: 3185

Ion Ratio Lower Upper

112 100

64 50.8 44.2 66.2

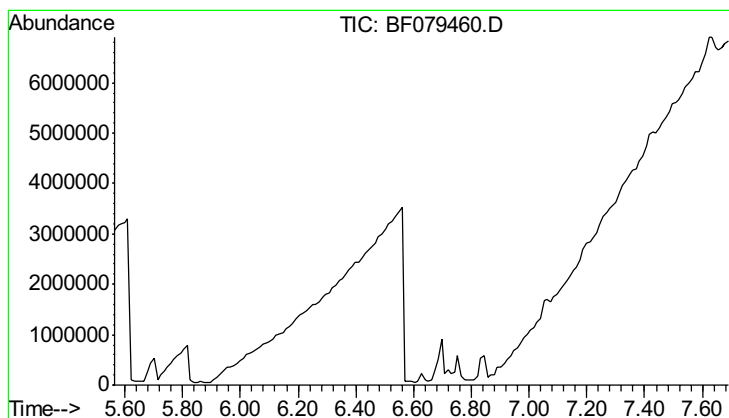
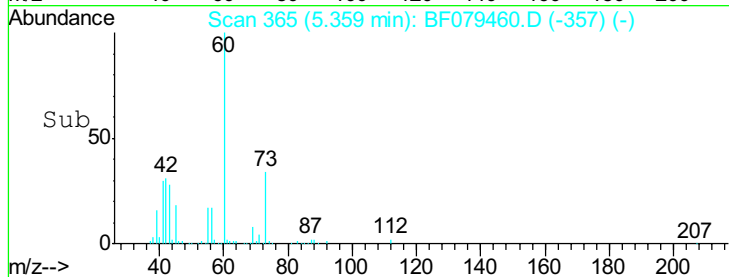
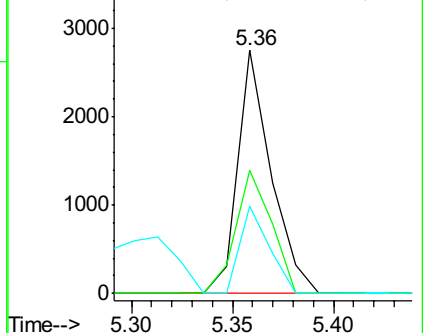
63 35.9 22.7 34.1#



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: 0.00 ng

Expected RT: 6.63 min

Lab File: BF079460.D

Acq: 23 May 2015 6:57

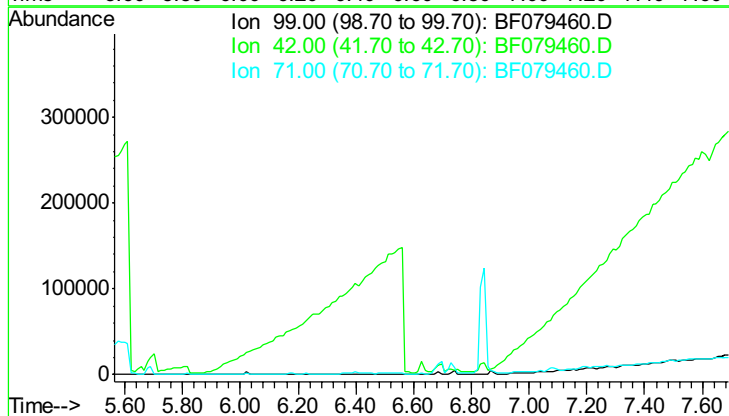
Tgt Ion: 99

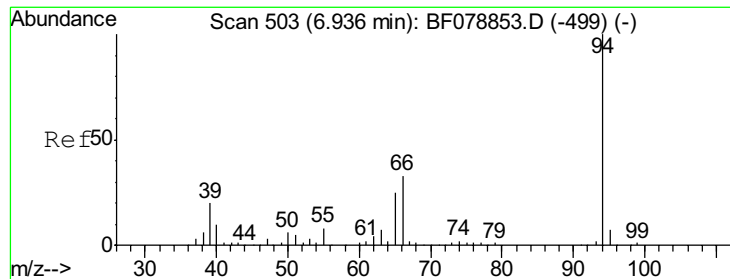
Sig Exp Ratio

99 100

42 21.4

71 32.9





#10

Phenol

Concen: 27.08 ng/ml

RT: 6.70 min Scan# 482

Delta R.T. 0.05 min

Lab File: BF079460.D

Acq: 23 May 2015 6:57

Instrument :

BNA_F

ClientSampleId :

KY032MW006-150512

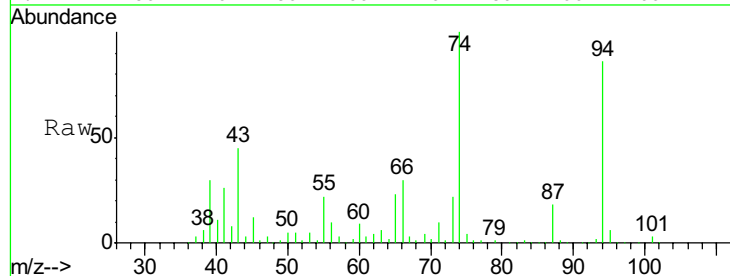
Tot Ion: 94 Resp: 152567

Ion Ratio Lower Upper

94 100

65 27.2 5.1 45.1

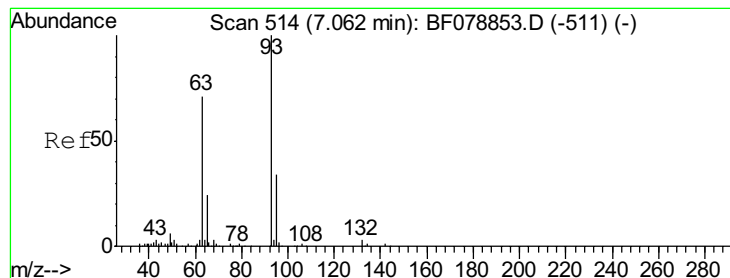
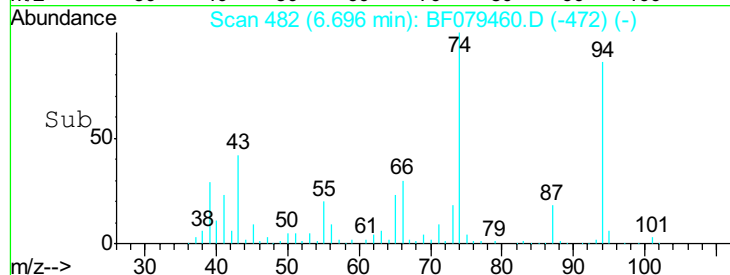
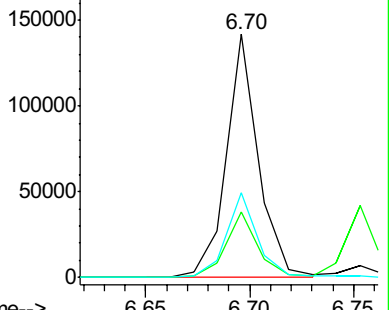
66 34.7 13.1 53.1



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl) ether

Concen: 40.16 ng/ml

RT: 6.75 min Scan# 487

Delta R.T. 0.01 min

Lab File: BF079460.D

Acq: 23 May 2015 6:57

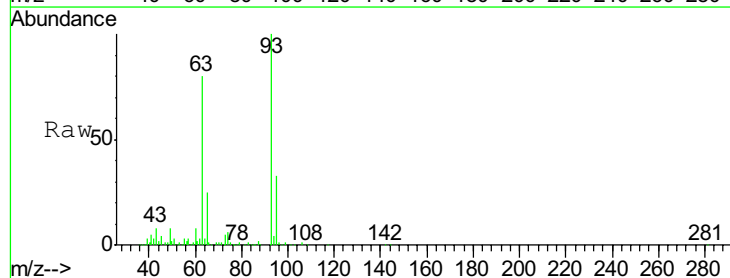
Tgt Ion: 93 Resp: 165903

Ion Ratio Lower Upper

93 100

63 79.6 50.8 90.8

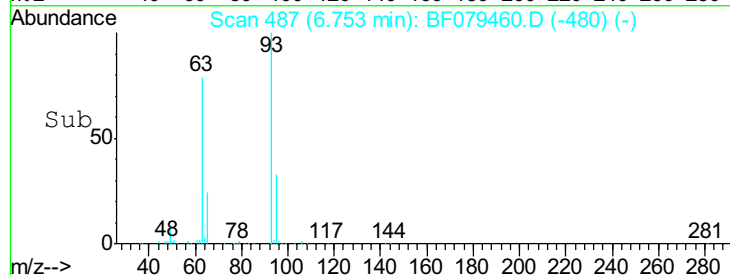
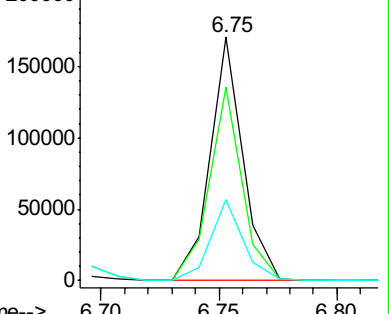
95 33.2 13.9 53.9

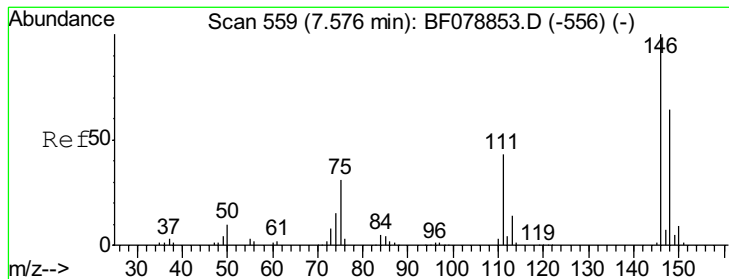


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

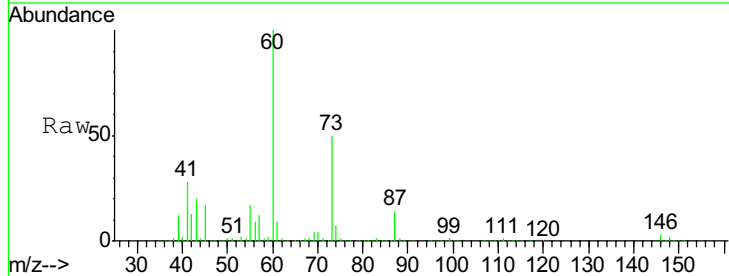




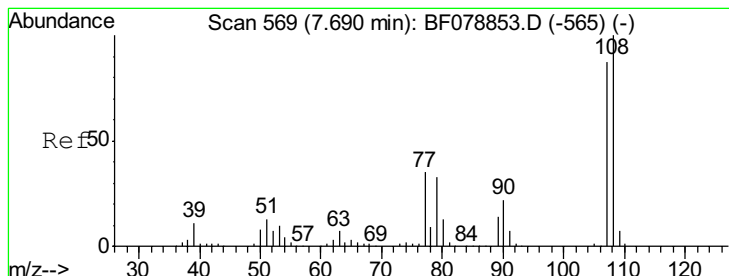
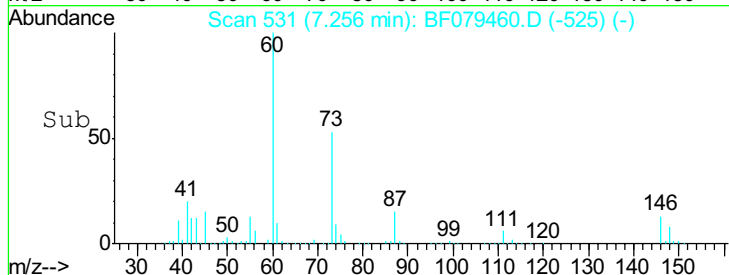
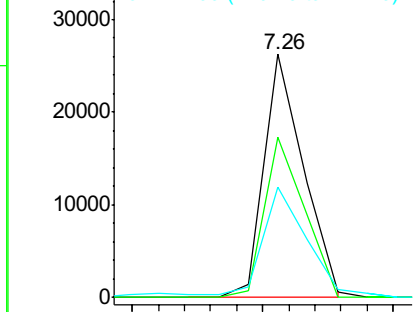
#14
1,2-Dichlorobenzene
Concen: 6.21 ng
RT: 7.26 min Scan# 531
Delta R.T. -0.00 min
Lab File: BF079460.D
Acq: 23 May 2015 6:57

Instrument :
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KY032MW006-150512

Tot Ion:146 Resp: 27893
Ion Ratio Lower Upper
146 100
148 65.7 51.1 76.7
111 45.4 34.6 52.0

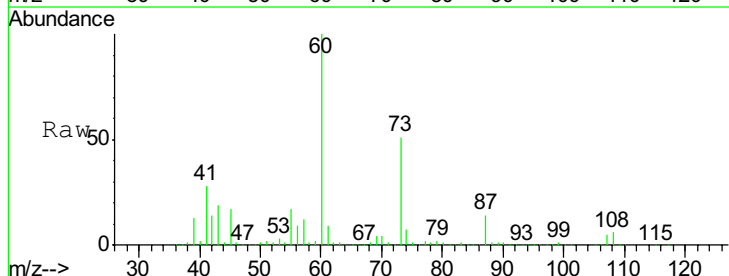


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

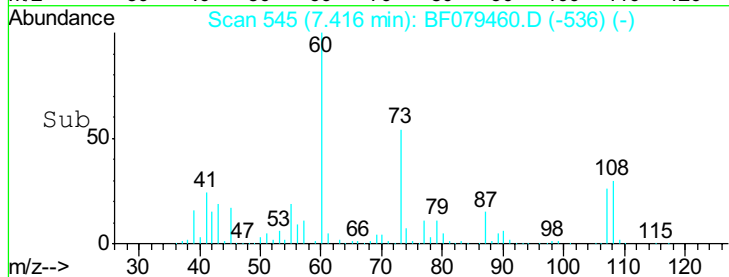
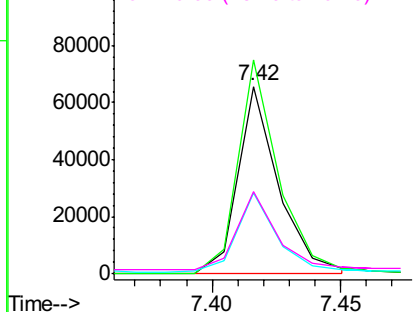


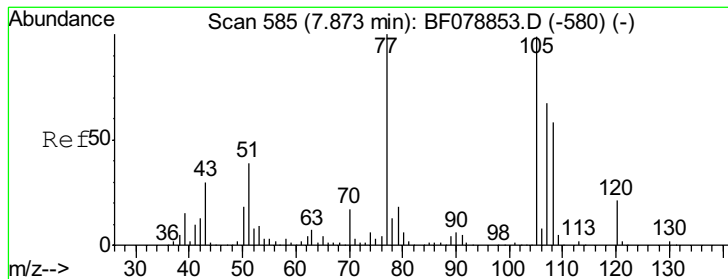
#17
2-Methylphenol
Concen: 21.60 ng m
RT: 7.42 min Scan# 545
Delta R.T. 0.02 min
Lab File: BF079460.D
Acq: 23 May 2015 6:57

Tgt Ion:107 Resp: 72449
Ion Ratio Lower Upper
107 100
108 114.1 92.4 138.6
77 43.1 32.6 49.0
79 43.9 30.9 46.3



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#20

3+4-Methylphenols

Concen: 89.75 ng/mL

RT: 7.62 min Scan# 563

Delta R.T. 0.02 min

Lab File: BF079460.D

Acq: 23 May 2015 6:57

Instrument :

BNA_F

ClientSampleId :

KY032MW006-150512

Tot Ion:107 Resp: 401094

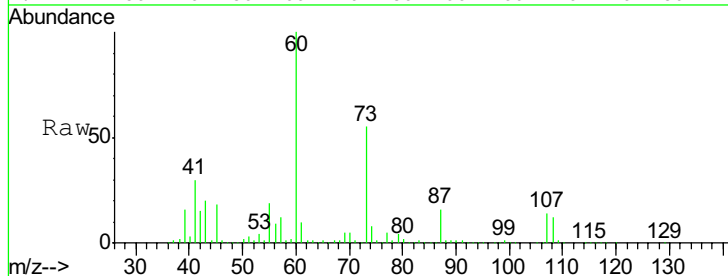
Ion Ratio Lower Upper

107 100

108 90.5 66.5 106.5

77 33.4 130.6 170.6#

79 29.6 6.4 46.4



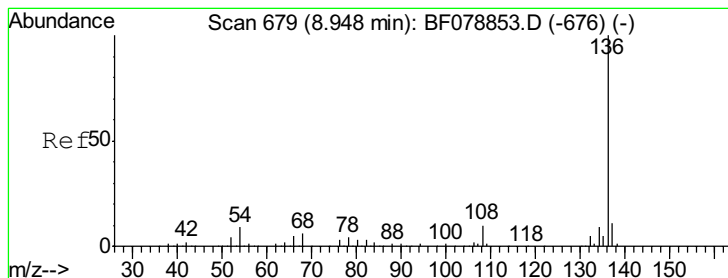
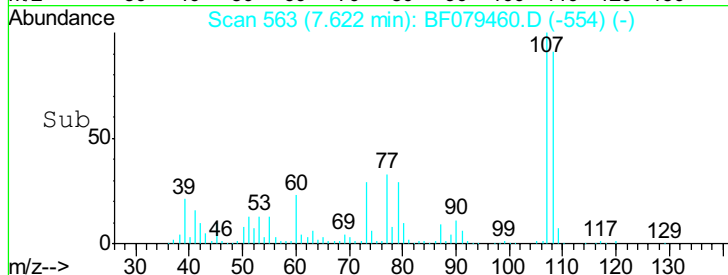
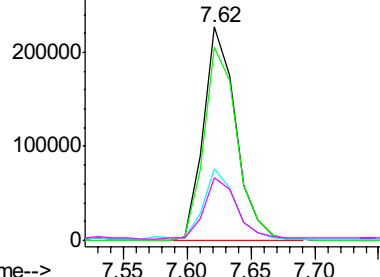
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.64 min Scan# 652

Delta R.T. 0.01 min

Lab File: BF079460.D

Acq: 23 May 2015 6:57

Tgt Ion:136 Resp: 260119

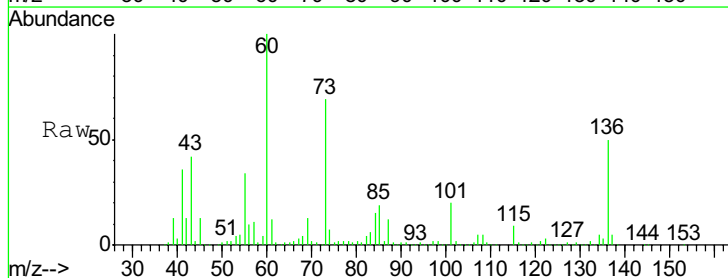
Ion Ratio Lower Upper

136 100

137 10.4 8.8 13.2

54 9.5 6.9 10.3

68 7.3 4.9 7.3



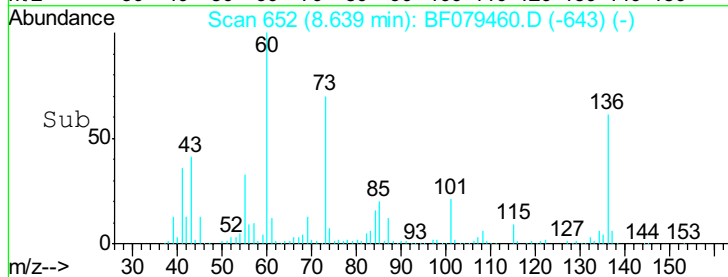
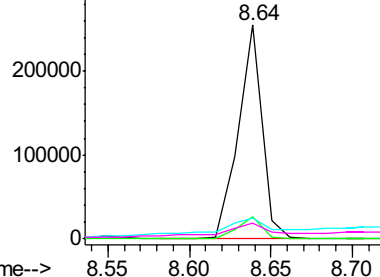
Abundance

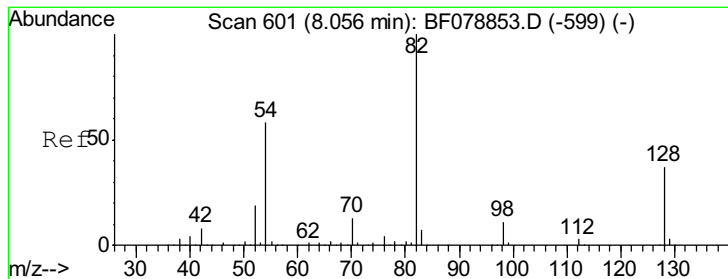
Ion 136.00 (135.70 to 136.70): E

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: 0.31 ng

RT: 7.76 min Scan# 575

Delta R.T. 0.01 min

Lab File: BF079460.D

Acq: 23 May 2015 6:57

Instrument :

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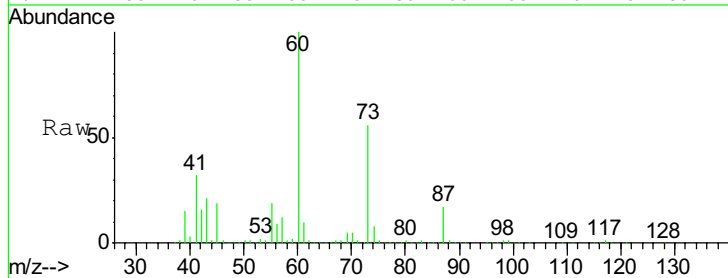
Tot Ion: 82 Resp: 1386

Ion Ratio Lower Upper

82 100

128 26.6 29.7 44.5#

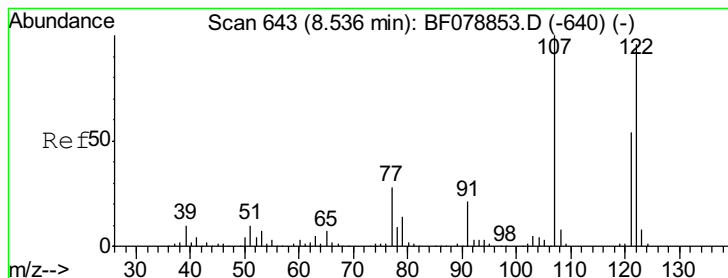
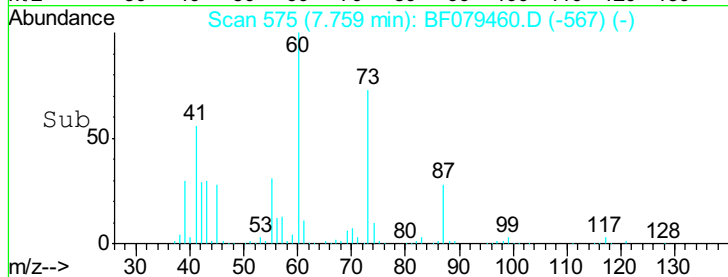
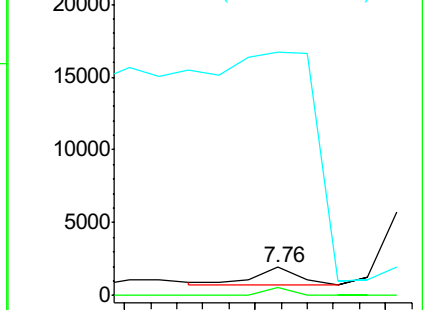
54 856.2 46.2 69.4#



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



#27

2,4-Dimethylphenol

Concen: 46.88 ng m

RT: 8.28 min Scan# 621

Delta R.T. 0.05 min

Lab File: BF079460.D

Acq: 23 May 2015 6:57

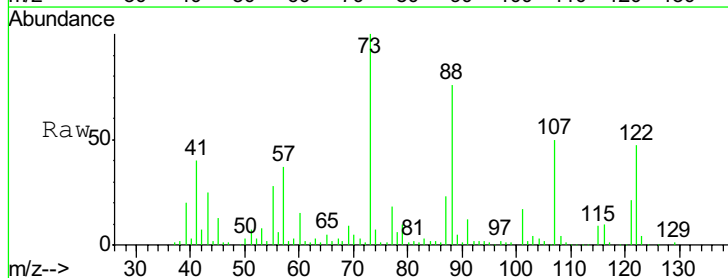
Tgt Ion: 122 Resp: 174210

Ion Ratio Lower Upper

122 100

107 108.1 83.6 125.4

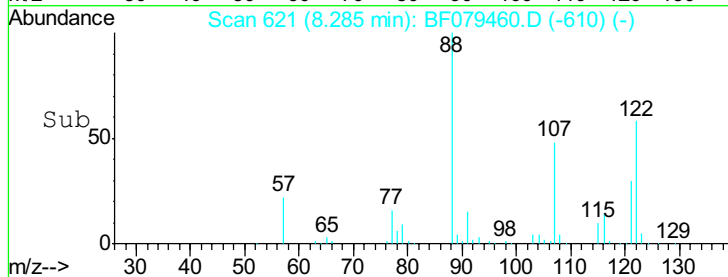
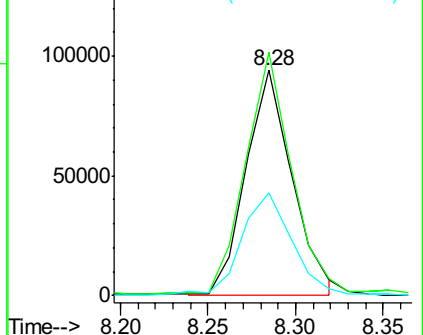
121 45.6 44.9 67.3

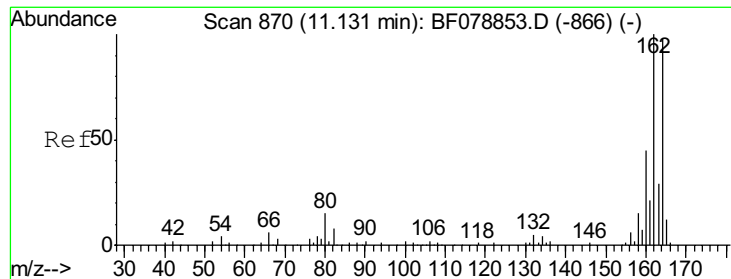


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.80 min Scan# 841

Delta R.T. -0.00 min

Lab File: BF079460.D

Acq: 23 May 2015 6:57

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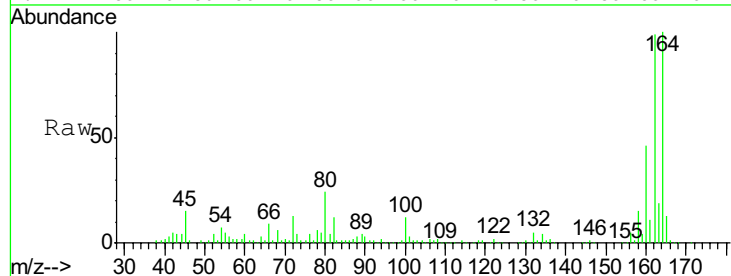
Tot Ion:164 Resp: 139065

Ion Ratio Lower Upper

164 100

162 99.1 81.4 122.0

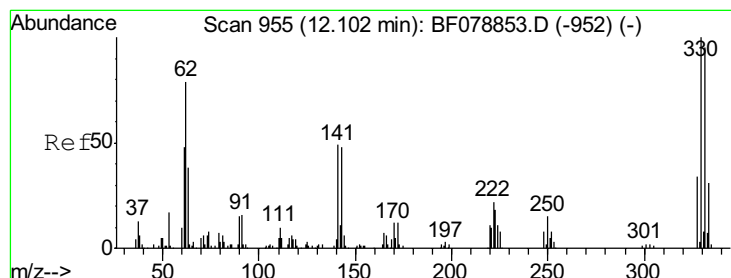
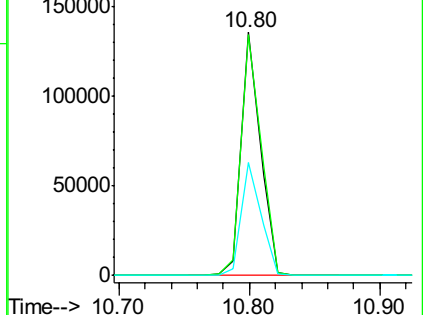
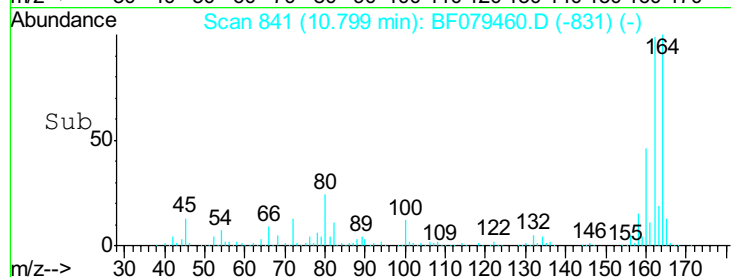
160 46.5 36.6 54.8



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: 0.74 ng

RT: 11.78 min Scan# 927

Delta R.T. -0.00 min

Lab File: BF079460.D

Acq: 23 May 2015 6:57

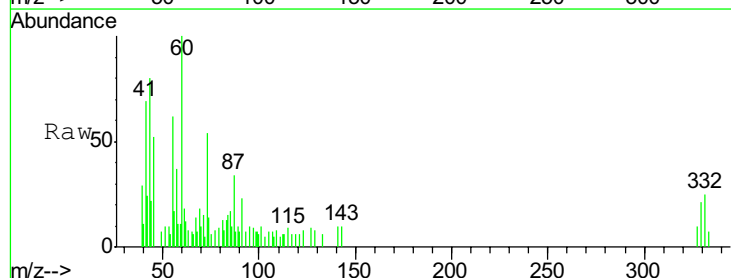
Tgt Ion:330 Resp: 1106

Ion Ratio Lower Upper

330 100

332 124.5 76.9 115.3#

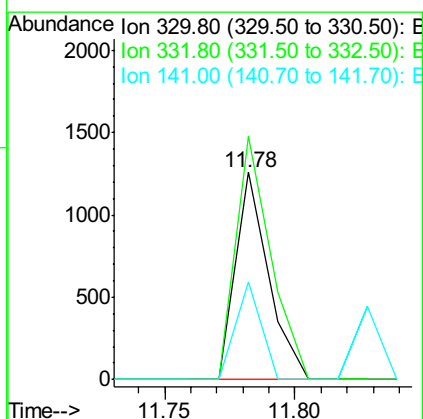
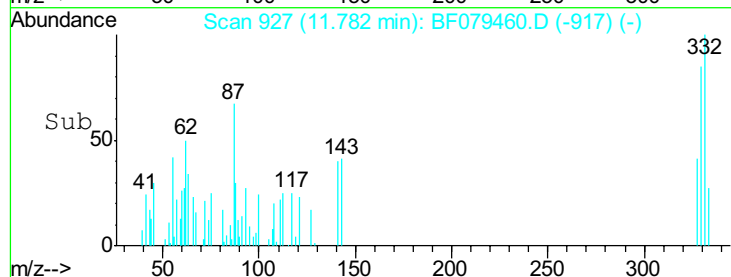
141 36.9 27.8 41.8

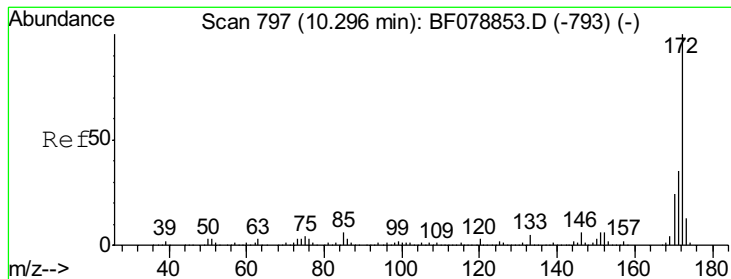


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

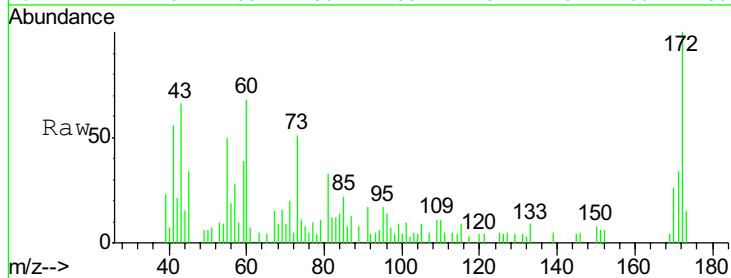




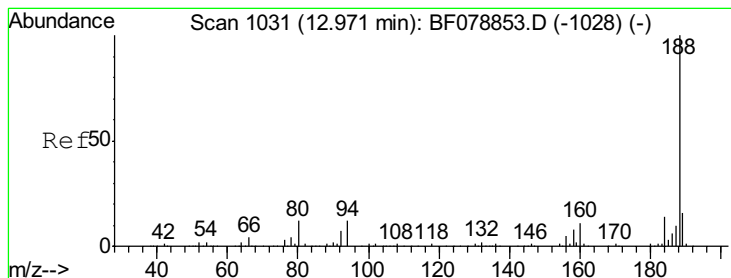
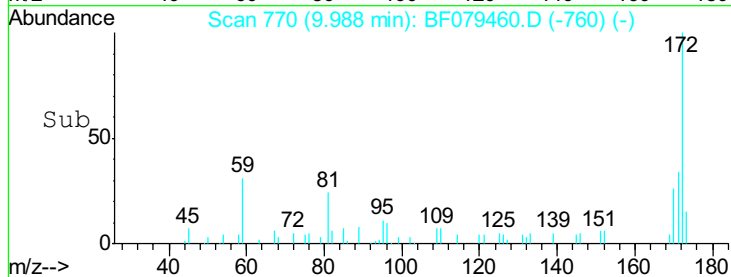
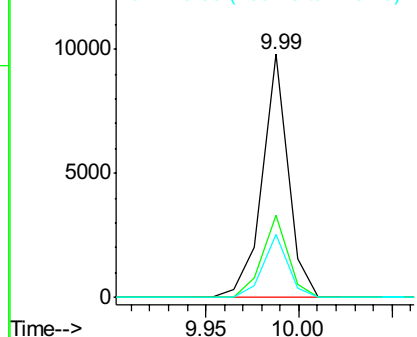
#44
2-Fluorobiphenyl
Concen: 0.94 ng
RT: 9.99 min Scan# 770
Delta R.T. 0.01 min
Lab File: BF079460.D
Acq: 23 May 2015 6:57

Instrument :
BNA_F
ClientSampleId :
KY032MW006-150512

Tot Ion:172 Resp: 9389
Ion Ratio Lower Upper
172 100
171 33.6 28.3 42.5
170 25.9 19.4 29.2

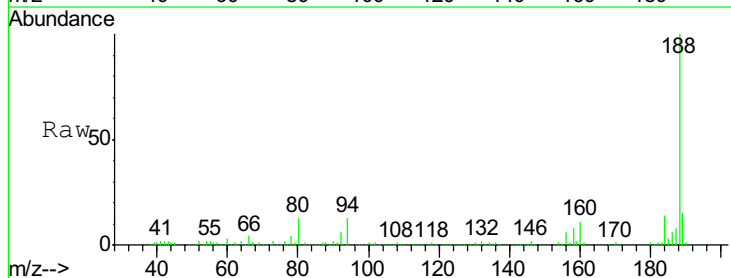


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

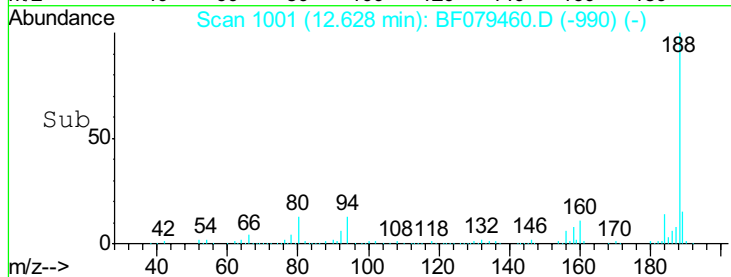
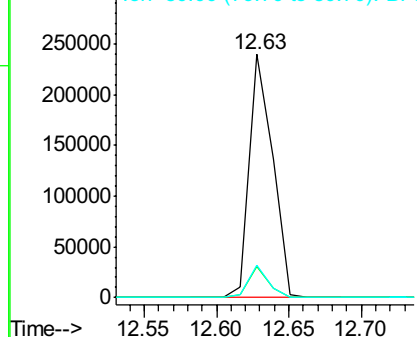


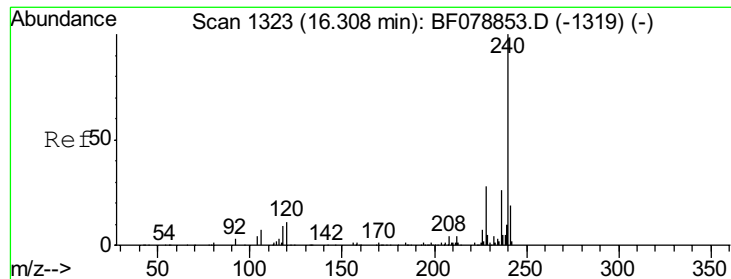
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.63 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF079460.D
Acq: 23 May 2015 6:57

Tgt Ion:188 Resp: 268533
Ion Ratio Lower Upper
188 100
94 12.7 9.4 14.0
80 13.2 9.8 14.6



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: BF079460.D

Acq: 23 May 2015 6:57

Instrument :

BNA_F

ClientSampleId :

KY032MW006-150512

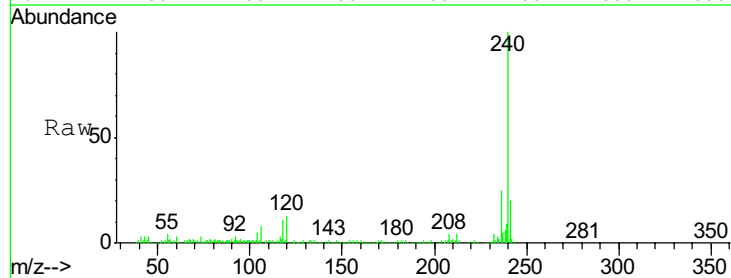
Tot Ion:240 Resp: 269125

Ion Ratio Lower Upper

240 100

120 12.9 8.6 12.8#

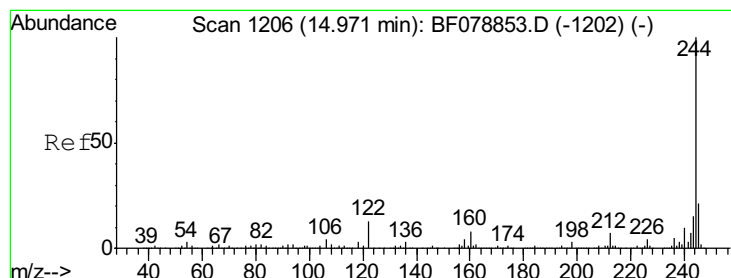
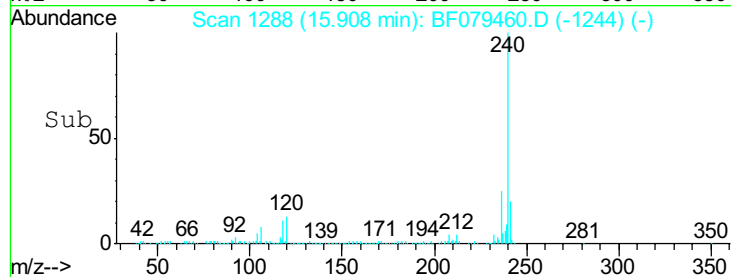
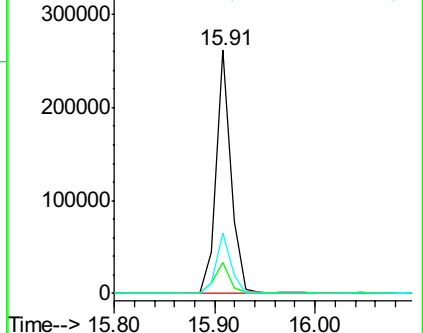
236 24.8 21.0 31.6



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



#78

Terphenyl-d14

Concen: 0.97 ng

RT: 14.63 min Scan# 1176

Delta R.T. -0.00 min

Lab File: BF079460.D

Acq: 23 May 2015 6:57

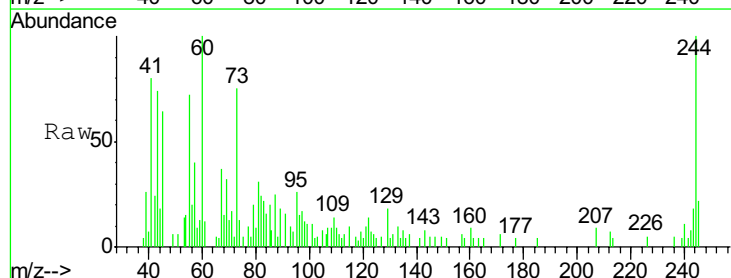
Tgt Ion:244 Resp: 10900

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

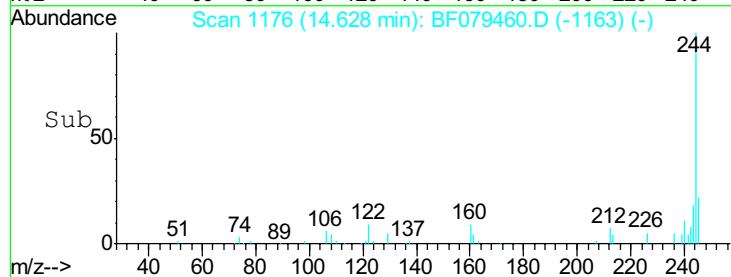
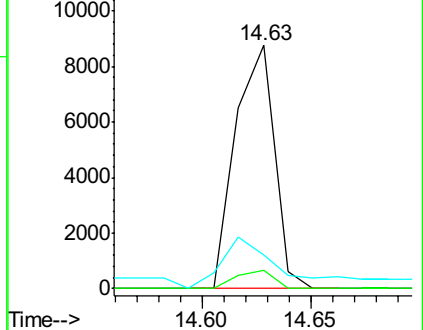
122 13.8 10.5 15.7

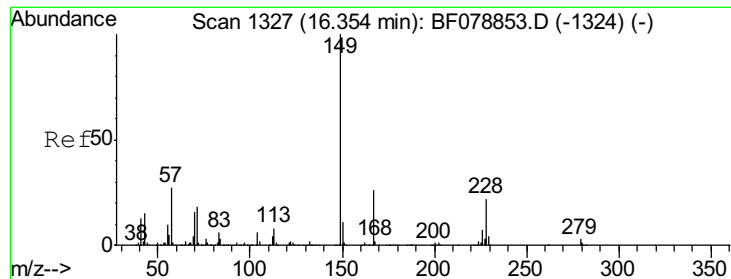


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis (2-ethylhexyl)phthalate

Concen: 2.61 ng

RT: 15.97 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BF079460.D

Acq: 23 May 2015 6:57

Instrument :

BNA_F

ClientSampleId :

KY032MW006-150512

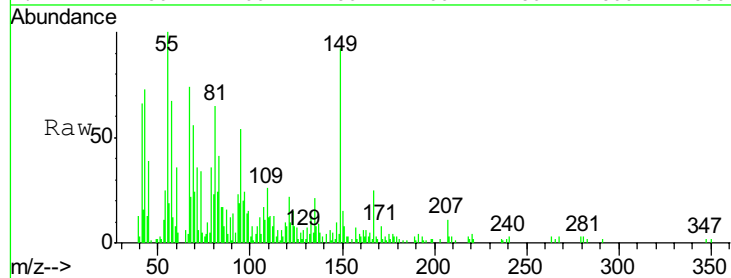
Tot Ion:149 Resp: 26780

Ion Ratio Lower Upper

149 100

167 26.8 21.2 31.8

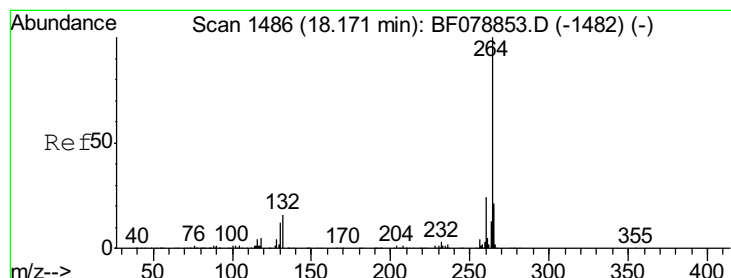
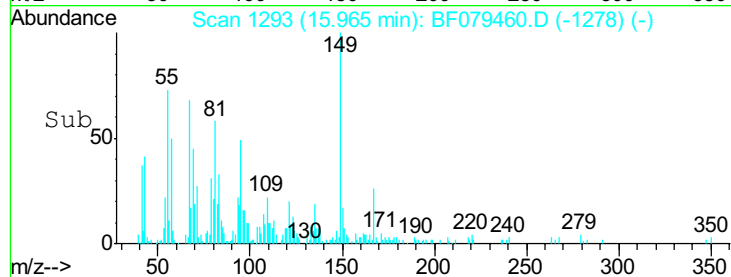
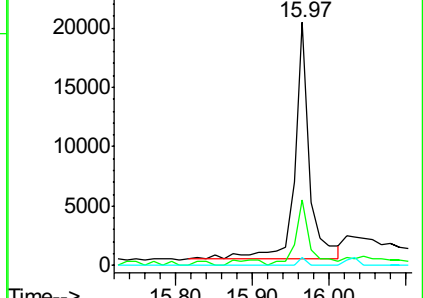
279 3.4 2.6 4.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.62 min Scan# 1438

Delta R.T. 0.01 min

Lab File: BF079460.D

Acq: 23 May 2015 6:57

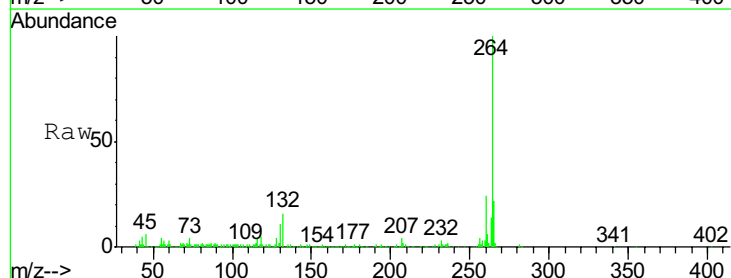
Tgt Ion:264 Resp: 280033

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.6 17.2 25.8



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

