

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052215\
 Data File : BF079436.D
 Acq On : 22 May 2015 16:40
 Operator : TP/IZ
 Sample : G2255-20
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LF001MW001-150518

Quant Time: May 22 23:01:17 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 22 22:53:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.06	152	52393	20.00	ng	0.01
21) Naphthalene-d8	8.64	136	223286	20.00	ng	0.01
38) Acenaphthene-d10	10.81	164	114141	20.00	ng	0.01
63) Phenanthrene-d10	12.64	188	212890	20.00	ng	0.00
75) Chrysene-d12	15.93	240	216071	20.00	ng	-0.03
86) Perylene-d12	17.71	264	216104	20.00	ng	-0.14

System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	7.76	82	17188	4.42	ng	0.01
41) 2,4,6-Tribromophenol	11.78	330	21516	17.42	ng	0.00
44) 2-Fluorobiphenyl	9.99	172	102096	12.46	ng	0.01
78) Terphenyl-d14	14.63	244	98745	10.94	ng	0.00

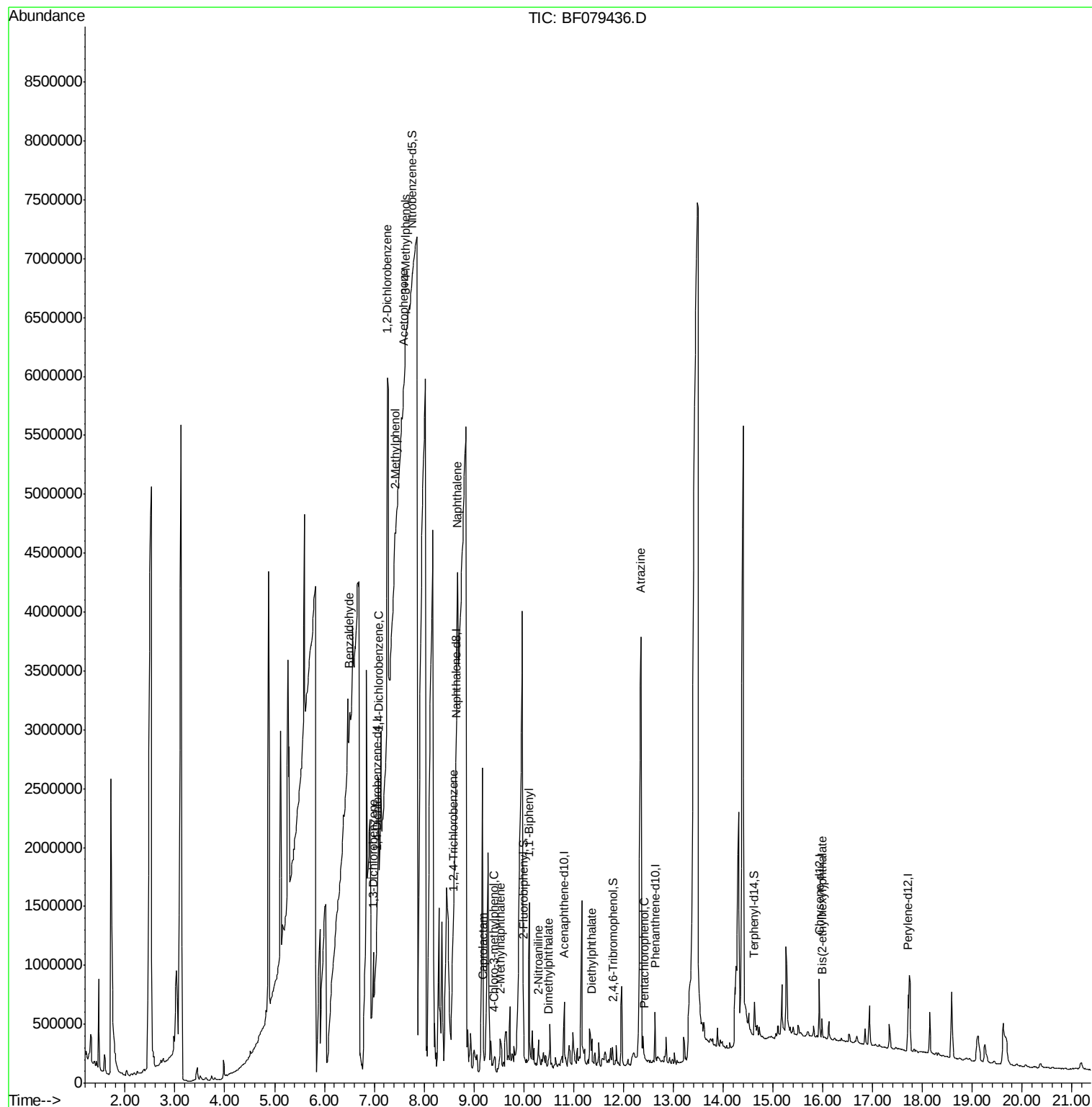
Target Compounds						Qvalue
9) Benzaldehyde	6.50	77	16078	5.93	ng	# 1
12) 1,3-Dichlorobenzene	6.98	146	145625	37.53	ng	# 95
13) 1,4-Dichlorobenzene	7.08	146	386515	96.79	ng	98
14) 1,2-Dichlorobenzene	7.27	146	1699718	457.23	ng	97
17) 2-Methylphenol	7.43	107	81936	29.49	ng	97
20) 3+4-Methylphenols	7.62	107	221242	59.77	ng	# 47
22) Acetophenone	7.59	105	67451	13.37	ng	# 65
30) 1,2,4-Trichlorobenzene	8.58	180	10882	3.49	ng	97
31) Naphthalene	8.67	128	1002535	94.23	ng	99
35) Caprolactam	9.19	113	2358	2.57	ng	# 1
36) 4-Chloro-3-methylphenol	9.40	107	6655	2.23	ng	# 16
37) 2-Methylnaphthalene	9.53	142	93323	12.66	ng	# 95
45) 1,1'-Biphenyl	10.11	154	38534	4.25	ng	90
47) 2-Nitroaniline	10.30	65	5001	2.44	ng	# 48
49) Dimethylphthalate	10.50	163	17146	2.05	ng	# 89
59) Diethylphthalate	11.37	149	120612	14.53	ng	98
68) Atrazine	12.35	200	7155	3.47	ng	# 50
69) Pentachlorophenol	12.41	266	1151	7.55	ng	91
83) Bis(2-ethylhexyl)phthalate	15.99	149	58802	7.13	ng	99

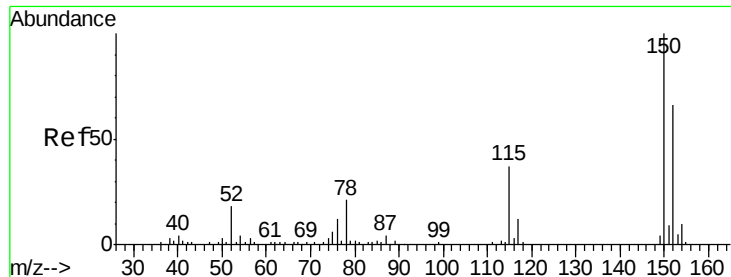
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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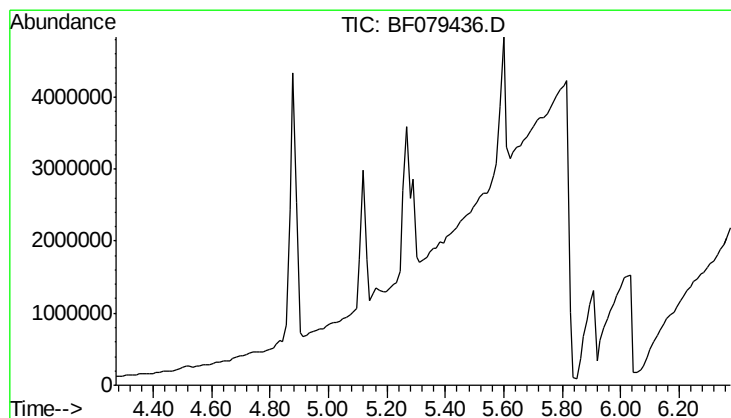
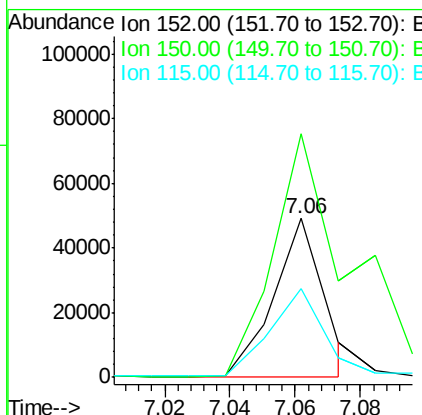
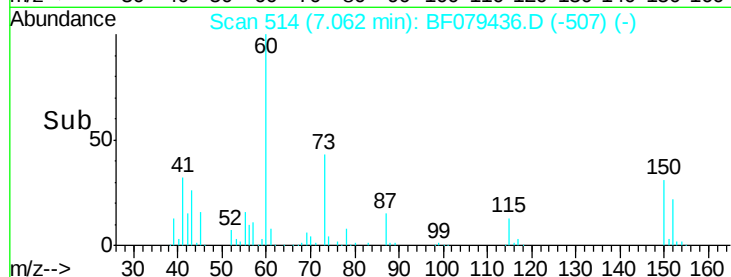
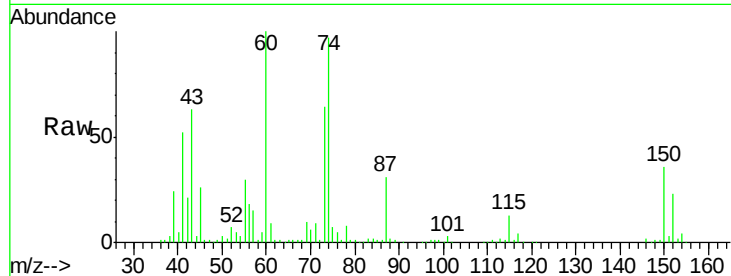




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.06 min Scan# 514
 Delta R.T. 0.01 min
 Lab File: BF079436.D
 Acq: 22 May 2015 16:40

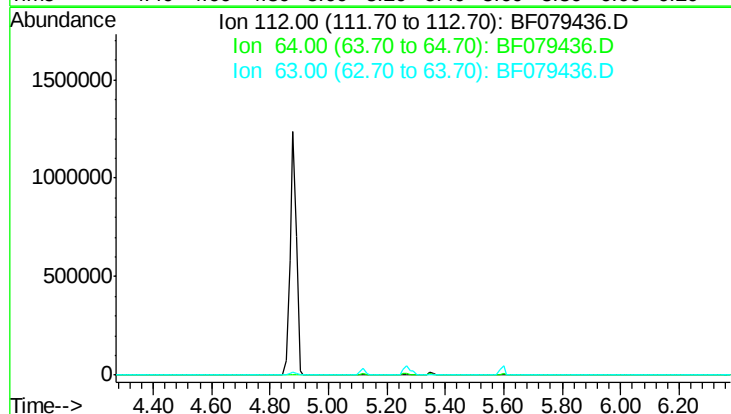
Instrument :
 BNA_F
 ClientSampleId :
 LF001MW001-150518

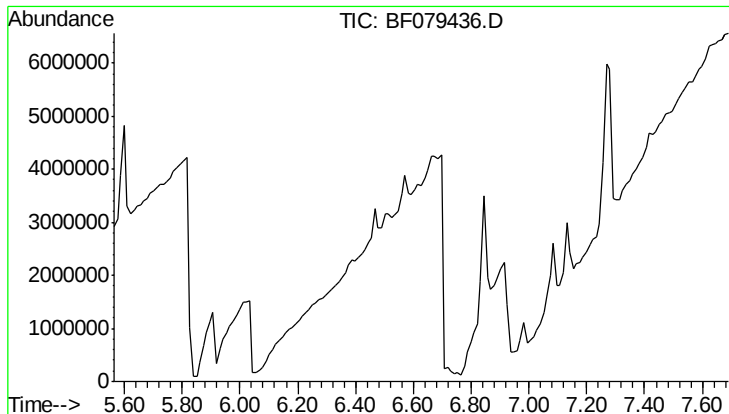
Tgt Ion	Resp	Lower	Upper
152	52393		
152	100		
150	153.5	123.8	185.8
115	55.8	49.4	74.0



#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.32 min
 Lab File: BF079436.D
 Acq: 22 May 2015 16:40

Tgt Ion	Exp Ratio
112	100
64	55.2
63	28.4





#7

Phenol-d6

Concen: 0.00 ng

Expected RT: 6.63 min

Lab File: BF079436.D

Acq: 22 May 2015 16:40

Instrument :

BNA_F

ClientSampleId :

LF001MW001-150518

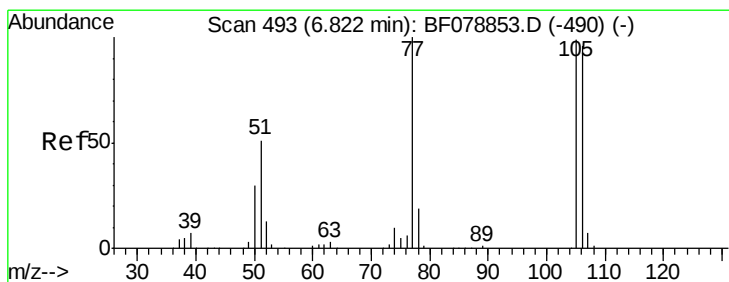
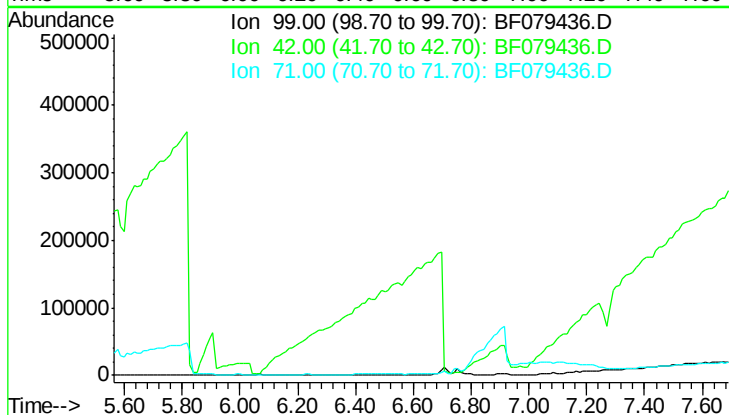
Tgt Ion: 99

Sig Exp Ratio

99 100

42 21.4

71 32.9



#9

Benzaldehyde

Concen: 5.93 ng

RT: 6.50 min Scan# 465

Delta R.T. -0.00 min

Lab File: BF079436.D

Acq: 22 May 2015 16:40

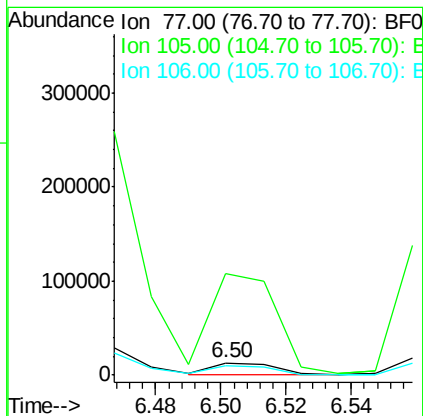
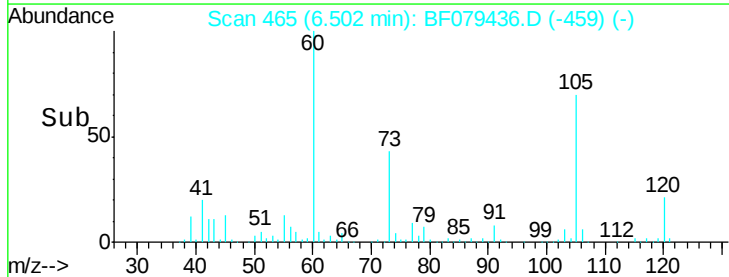
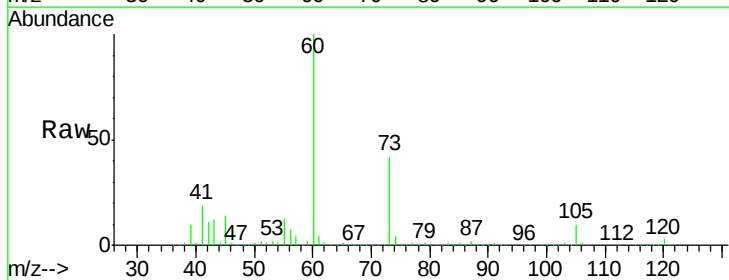
Tgt Ion: 77 Resp: 16078

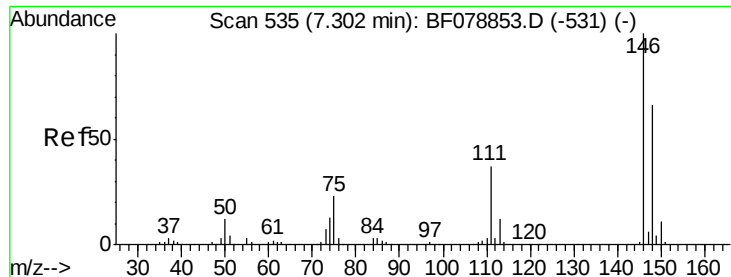
Ion Ratio Lower Upper

77 100

105 803.1 78.9 118.9#

106 70.1 75.8 115.8#





#12

1,3-Dichlorobenzene

Concen: 37.53 ng

RT: 6.98 min Scan# 507

Delta R.T. 0.01 min

Lab File: BF079436.D

Acq: 22 May 2015 16:40

Instrument :

BNA_F

ClientSampleId :

LF001MW001-150518

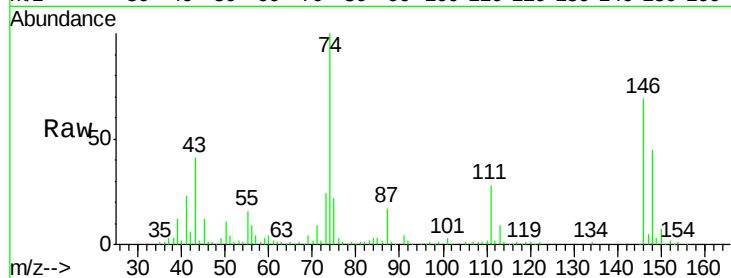
Tgt Ion:146 Resp: 145625

Ion Ratio Lower Upper

146 100

148 65.4 52.4 78.6

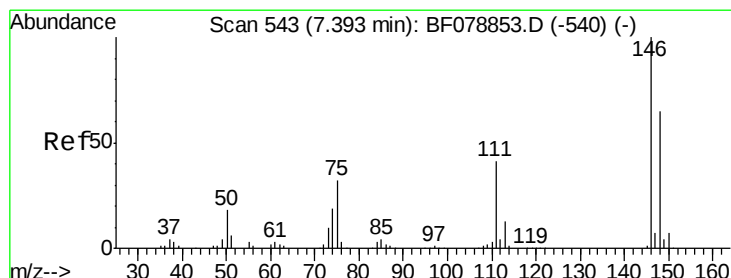
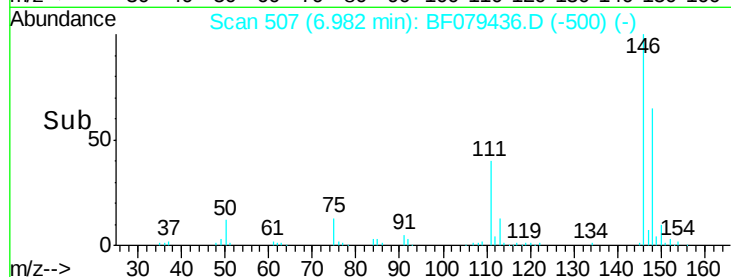
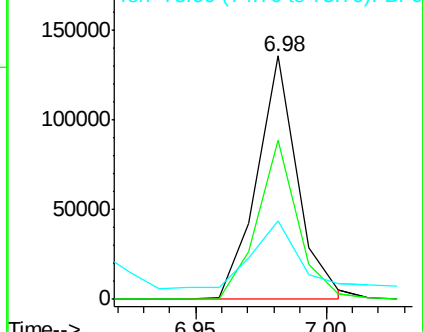
75 32.2 18.6 27.8#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 96.79 ng

RT: 7.08 min Scan# 516

Delta R.T. 0.01 min

Lab File: BF079436.D

Acq: 22 May 2015 16:40

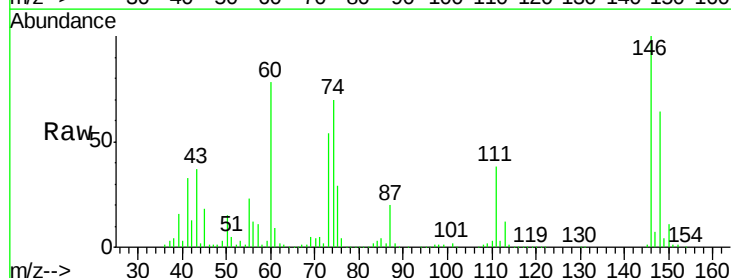
Tgt Ion:146 Resp: 386515

Ion Ratio Lower Upper

146 100

148 64.4 51.7 77.5

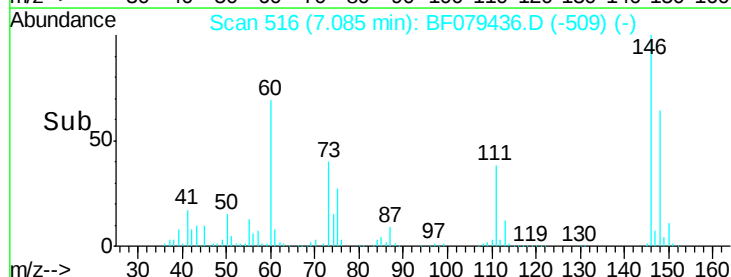
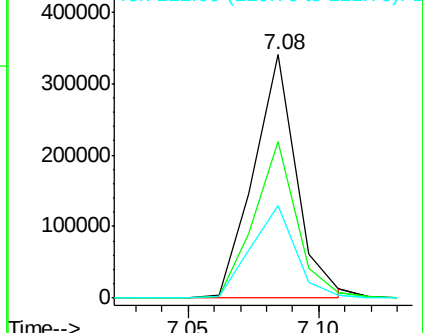
111 37.8 32.8 49.2

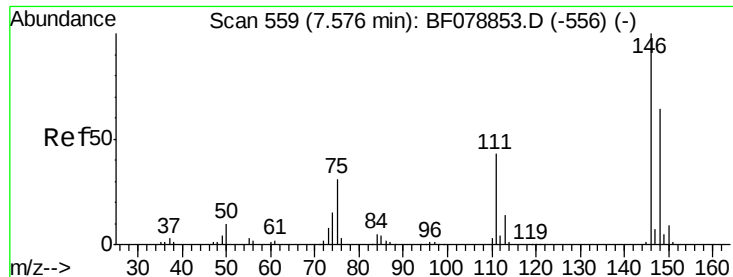


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

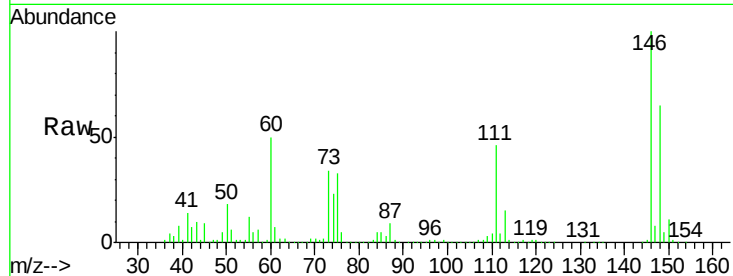




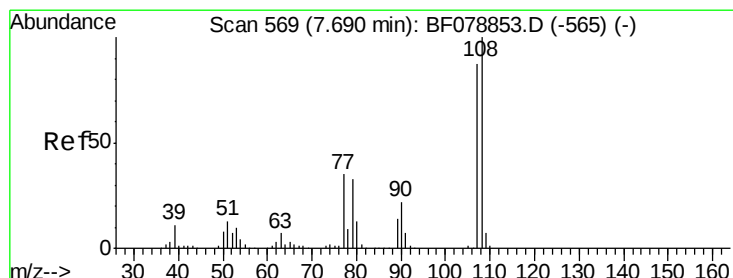
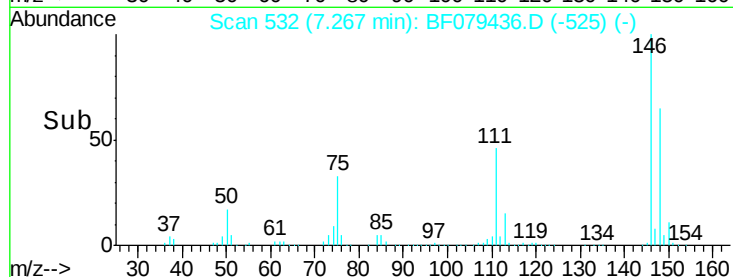
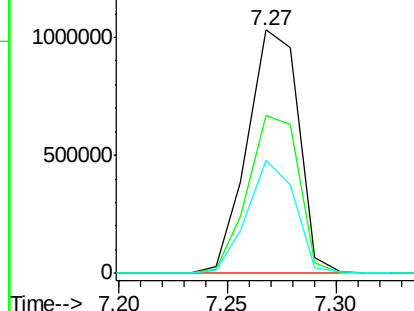
#14
1,2-Dichlorobenzene
Concen: 457.23 ng
RT: 7.27 min Scan# 532
Delta R.T. 0.01 min
Lab File: BF079436.D
Acq: 22 May 2015 16:40

Instrument :
BNA_F
ClientSampleId :
LF001MW001-150518

Tgt Ion:146 Resp: 1699718
Ion Ratio Lower Upper
146 100
148 65.1 51.1 76.7
111 46.3 34.6 52.0

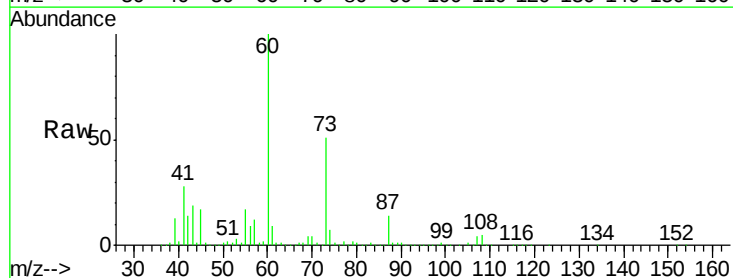


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

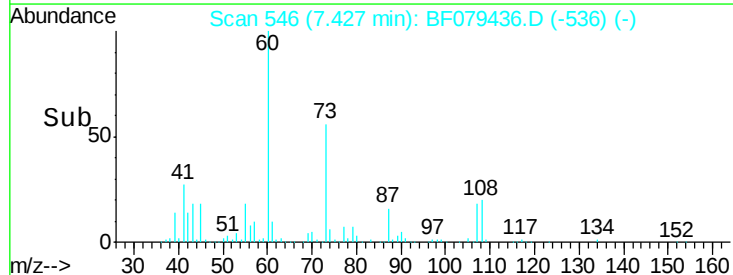
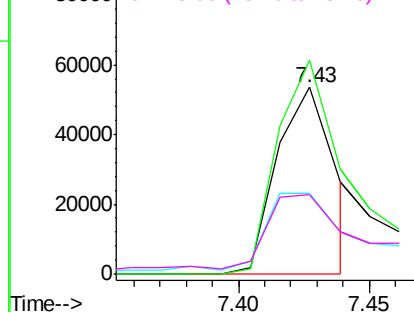


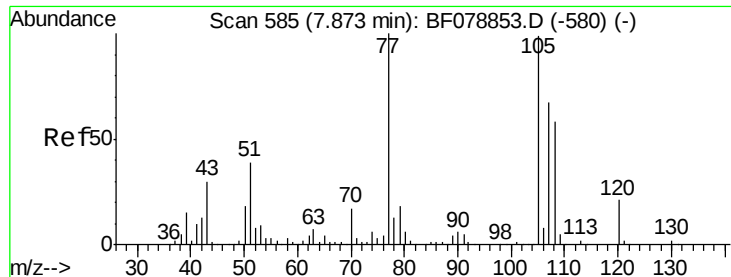
#17
2-Methylphenol
Concen: 29.49 ng
RT: 7.43 min Scan# 546
Delta R.T. 0.03 min
Lab File: BF079436.D
Acq: 22 May 2015 16:40

Tgt Ion:107 Resp: 81936
Ion Ratio Lower Upper
107 100
108 114.4 92.4 138.6
77 43.2 32.6 49.0
79 42.7 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

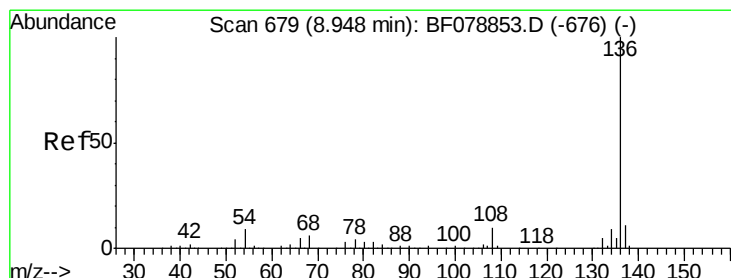
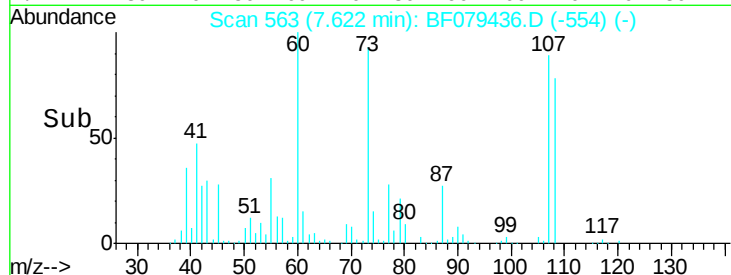
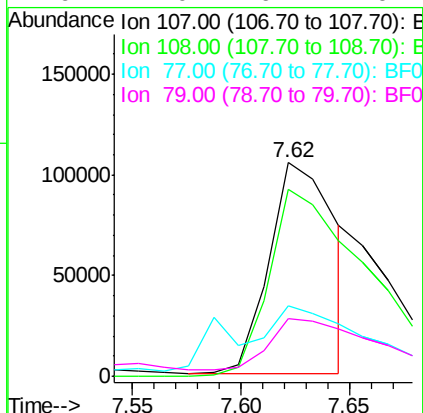
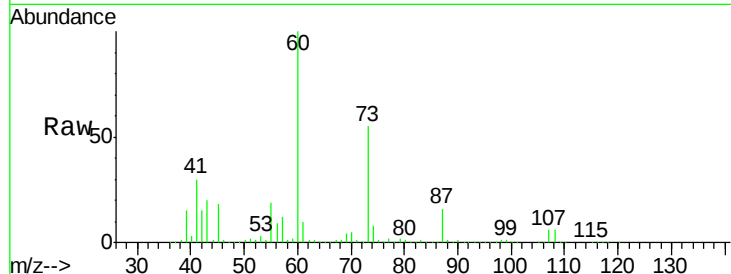




#20
3+4-Methylphenols
Concen: 59.77 ng
RT: 7.62 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF079436.D
Acq: 22 May 2015 16:40

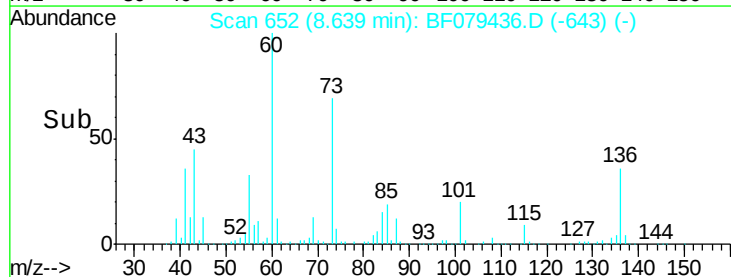
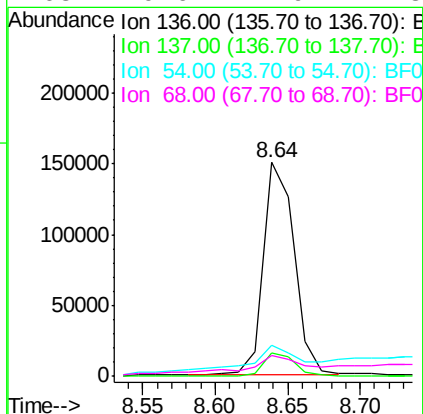
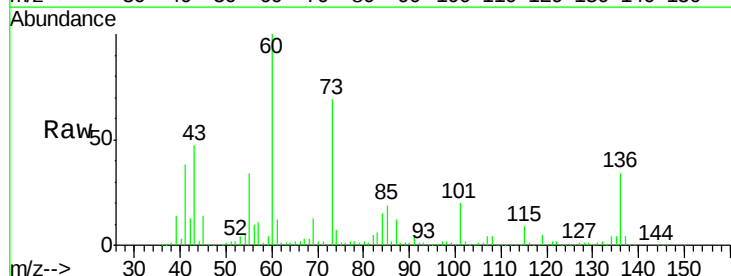
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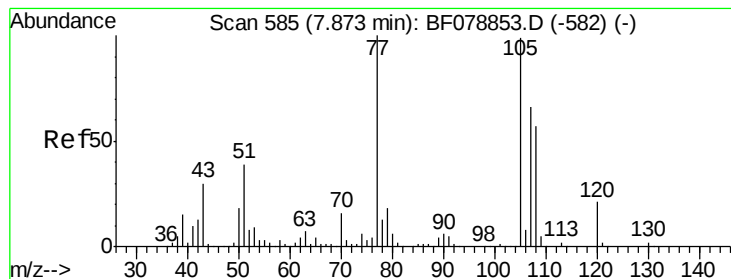
Tgt Ion:107 Resp: 221242
Ion Ratio Lower Upper
107 100
108 87.3 66.5 106.5
77 32.8 130.6 170.6#
79 27.0 6.4 46.4



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.64 min Scan# 652
Delta R.T. 0.01 min
Lab File: BF079436.D
Acq: 22 May 2015 16:40

Tgt Ion:136 Resp: 223286
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 14.2 6.9 10.3#
68 9.6 4.9 7.3#





#22

Acetophenone

Concen: 13.37 ng

RT: 7.59 min Scan# 560

Delta R.T. 0.02 min

Lab File: BF079436.D

Acq: 22 May 2015 16:40

Instrument :

BNA_F

ClientSampleId :

LF001MW001-150518

Tgt Ion: 105 Resp: 67451

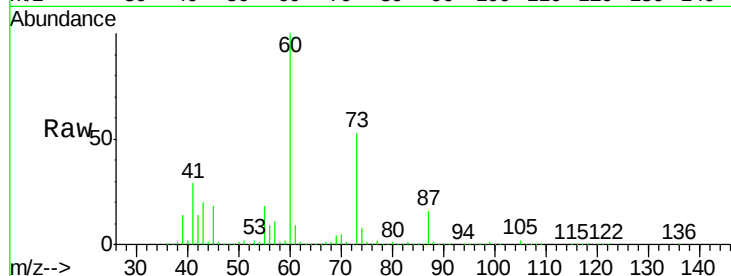
Ion Ratio Lower Upper

105 100

71 44.4 2.2 3.4#

51 67.5 31.1 46.7#

120 20.1 16.7 25.1

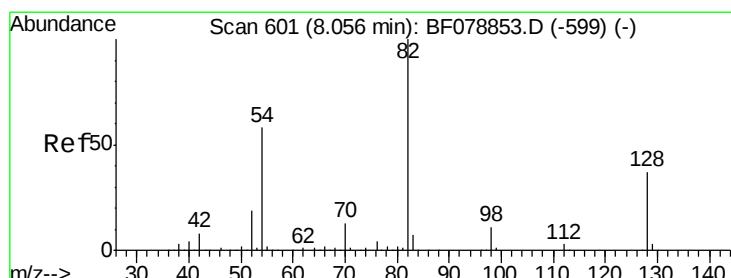
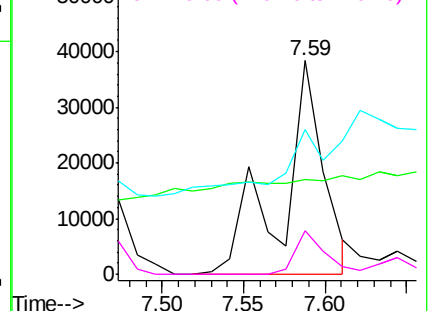
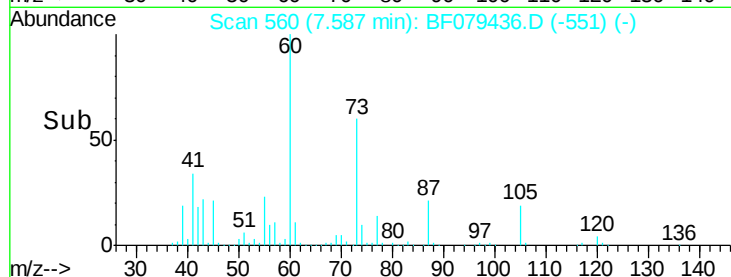


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 4.42 ng

RT: 7.76 min Scan# 575

Delta R.T. 0.01 min

Lab File: BF079436.D

Acq: 22 May 2015 16:40

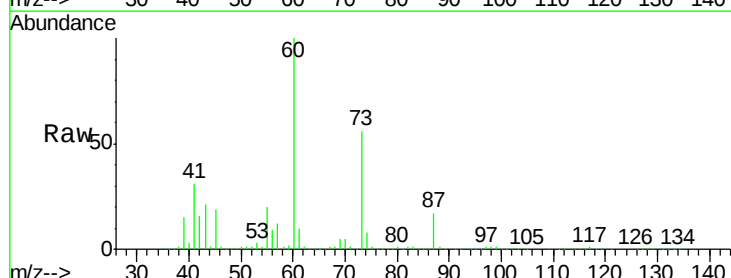
Tgt Ion: 82 Resp: 17188

Ion Ratio Lower Upper

82 100

128 45.8 29.7 44.5#

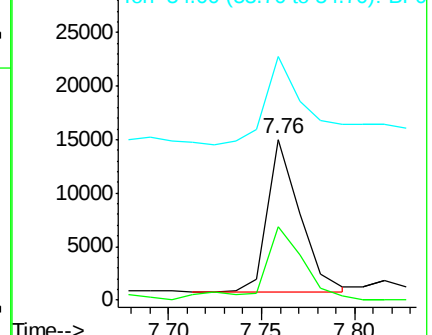
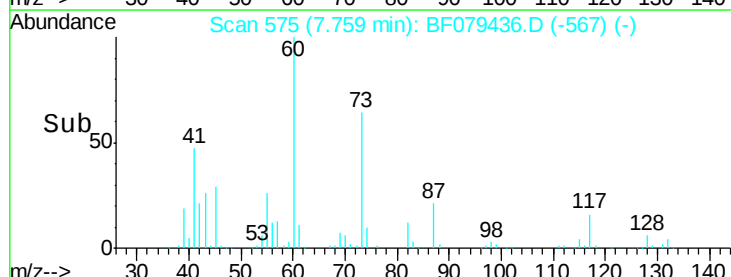
54 151.5 46.2 69.4#

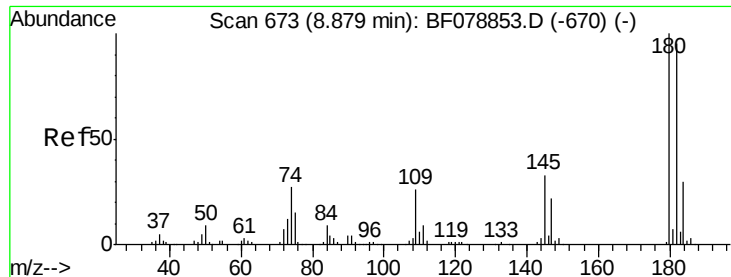


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

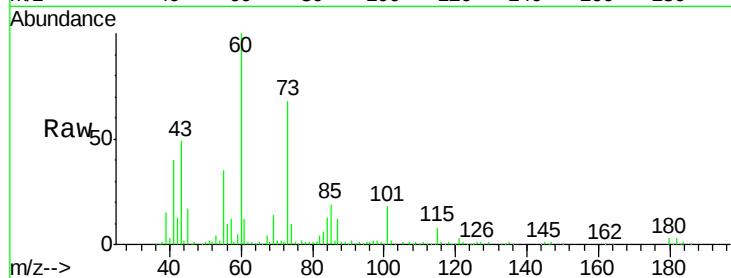




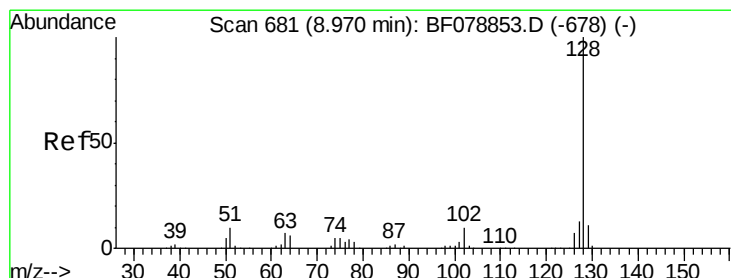
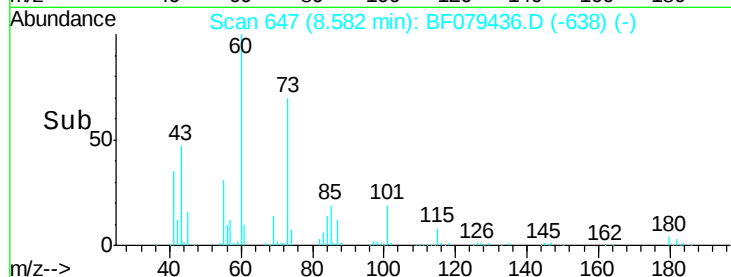
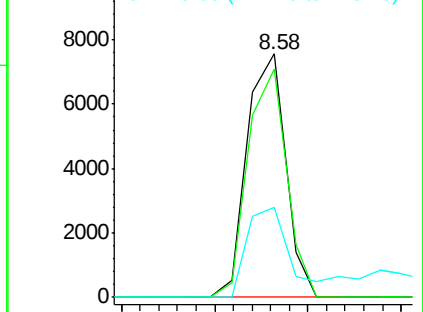
#30
 1,2,4-Trichlorobenzene
 Concen: 3.49 ng
 RT: 8.58 min Scan# 647
 Delta R.T. 0.01 min
 Lab File: BF079436.D
 Acq: 22 May 2015 16:40

Instrument :
 BNA_F
 ClientSampleId :
 LF001MW001-150518

Tgt Ion:180 Resp: 10882
 Ion Ratio Lower Upper
 180 100
 182 93.6 75.7 113.5
 145 37.2 26.2 39.4

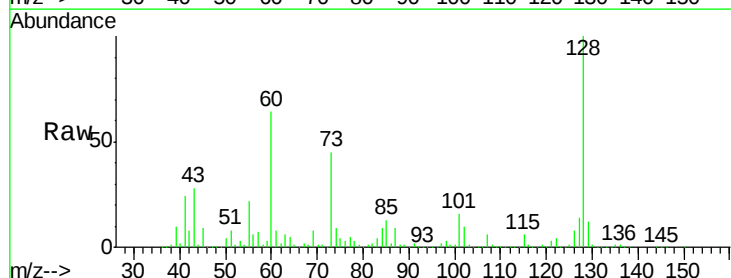


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

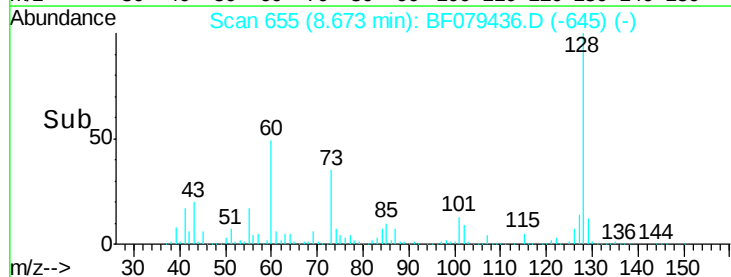
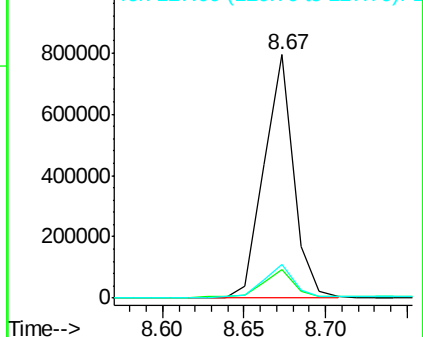


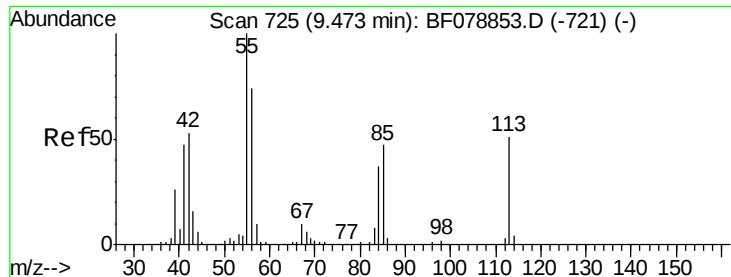
#31
 Naphthalene
 Concen: 94.23 ng
 RT: 8.67 min Scan# 655
 Delta R.T. 0.02 min
 Lab File: BF079436.D
 Acq: 22 May 2015 16:40

Tgt Ion:128 Resp: 1002535
 Ion Ratio Lower Upper
 128 100
 129 11.7 9.2 13.8
 127 13.6 10.3 15.5



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

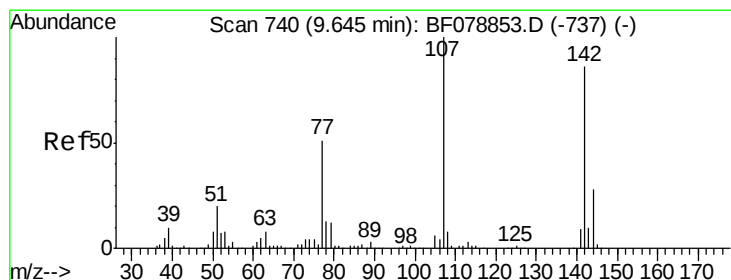
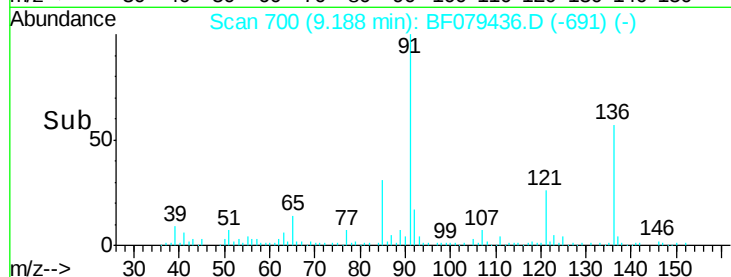
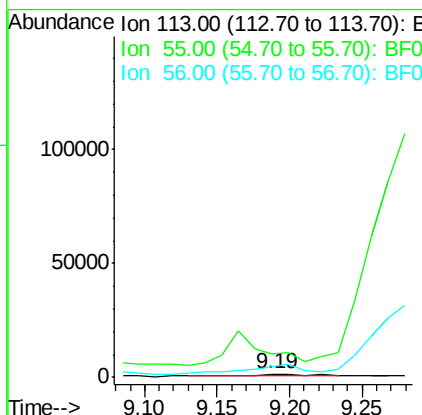
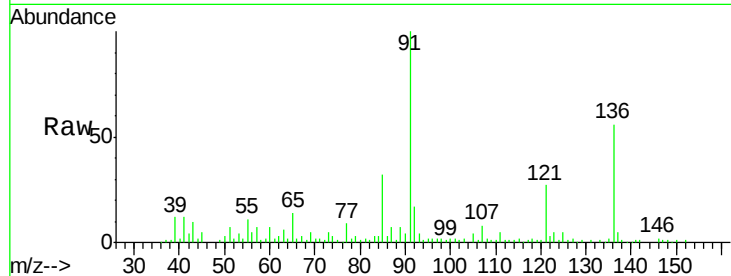




#35
 Caprolactam
 Concen: 2.57 ng
 RT: 9.19 min Scan# 700
 Delta R.T. 0.01 min
 Lab File: BF079436.D
 Acq: 22 May 2015 16:40

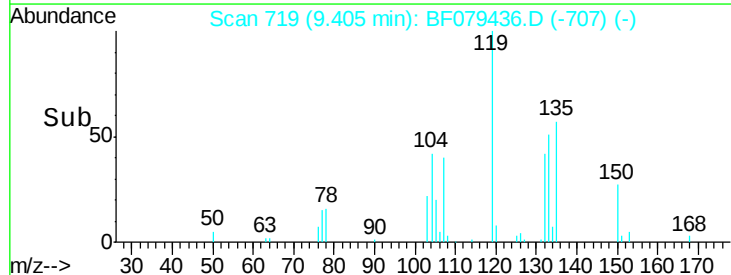
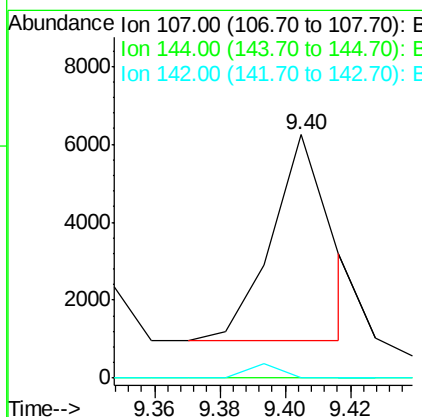
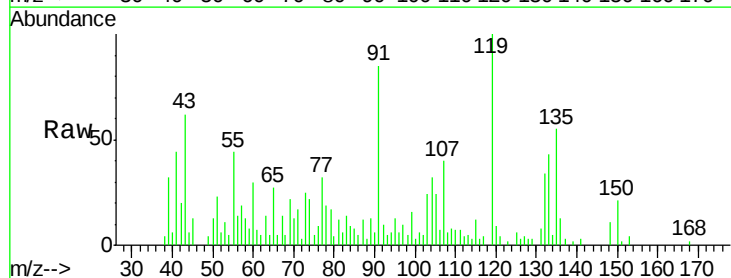
Instrument :
 BNA_F
 ClientSampleId :
 LF001MW001-150518

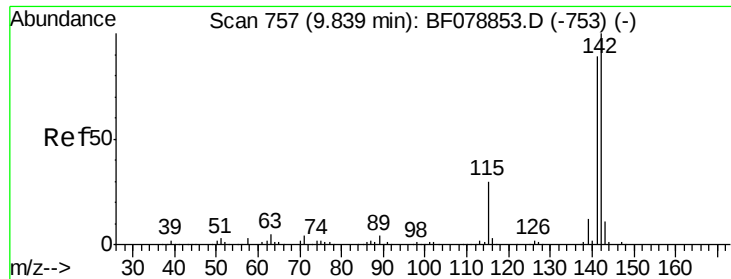
Tgt Ion:113 Resp: 2358
 Ion Ratio Lower Upper
 113 100
 55 784.1 176.0 216.0#
 56 371.3 123.8 163.8#



#36
 4-Chloro-3-methylphenol
 Concen: 2.23 ng
 RT: 9.40 min Scan# 719
 Delta R.T. 0.05 min
 Lab File: BF079436.D
 Acq: 22 May 2015 16:40

Tgt Ion:107 Resp: 6655
 Ion Ratio Lower Upper
 107 100
 144 0.0 22.5 33.7#
 142 0.0 68.6 103.0#

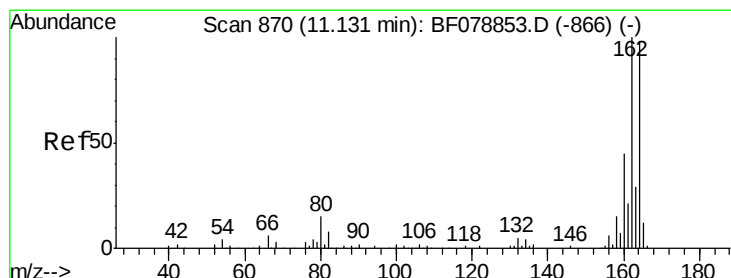
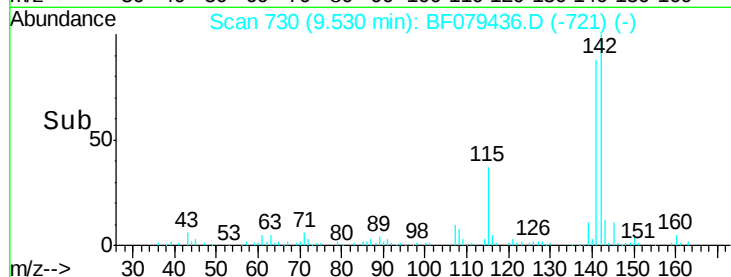
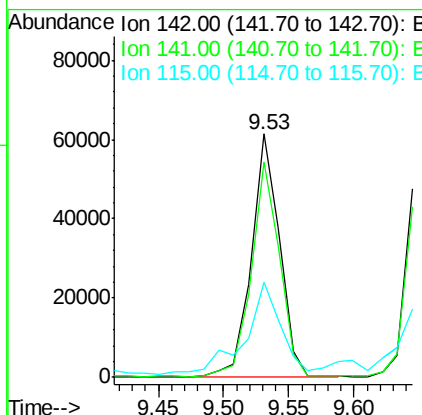
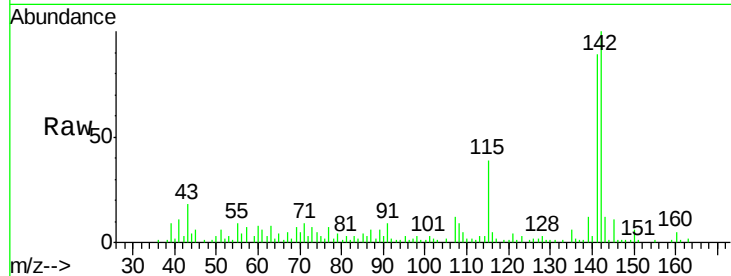




#37
2-Methylnaphthalene
Concen: 12.66 ng
RT: 9.53 min Scan# 730
Delta R.T. 0.01 min
Lab File: BF079436.D
Acq: 22 May 2015 16:40

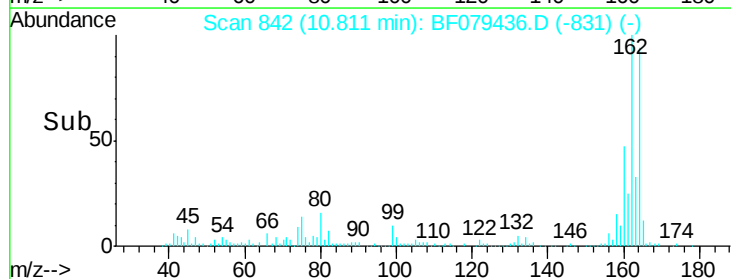
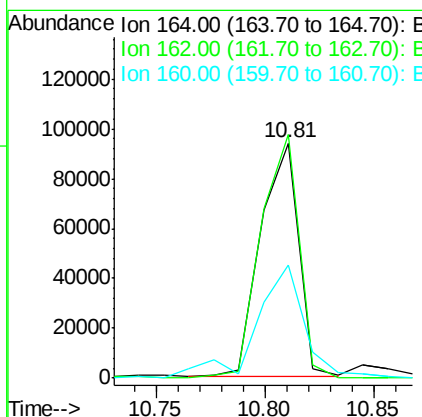
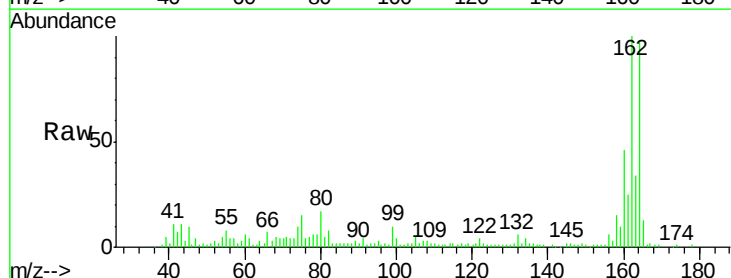
Instrument :
BNA_F
ClientSampleId :
LF001MW001-150518

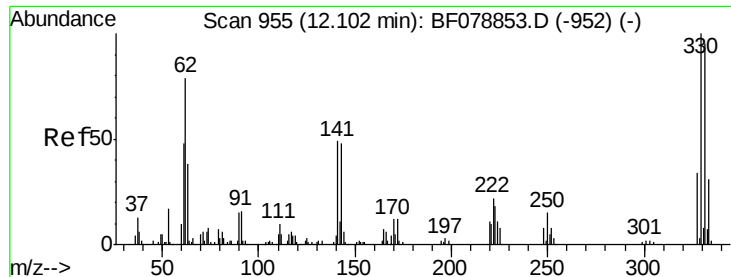
Tgt Ion:142 Resp: 93323
Ion Ratio Lower Upper
142 100
141 88.7 71.6 107.4
115 38.9 24.2 36.4#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.81 min Scan# 842
Delta R.T. 0.01 min
Lab File: BF079436.D
Acq: 22 May 2015 16:40

Tgt Ion:164 Resp: 114141
Ion Ratio Lower Upper
164 100
162 103.6 81.4 122.0
160 48.0 36.6 54.8

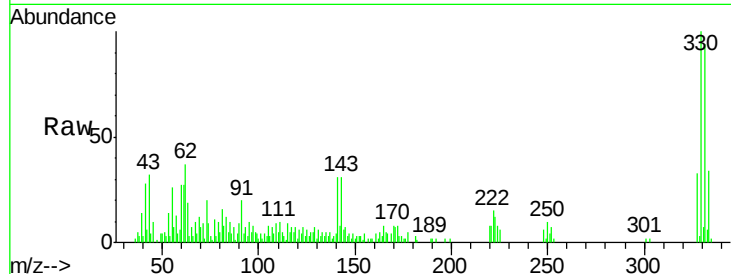




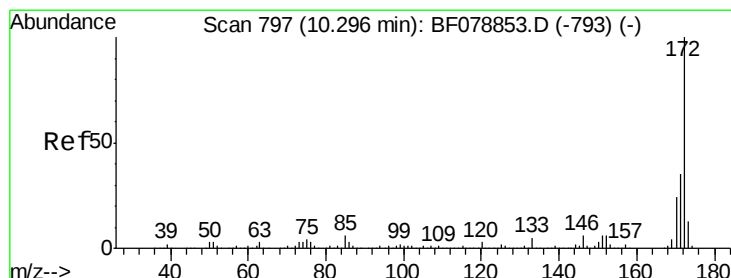
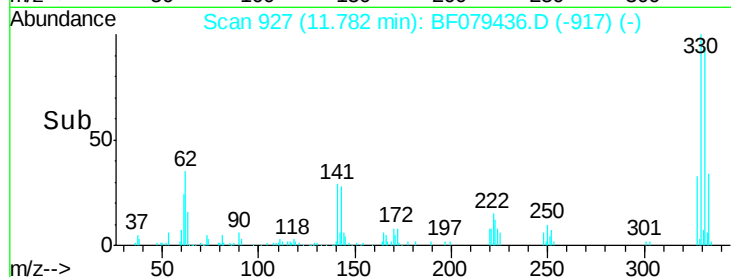
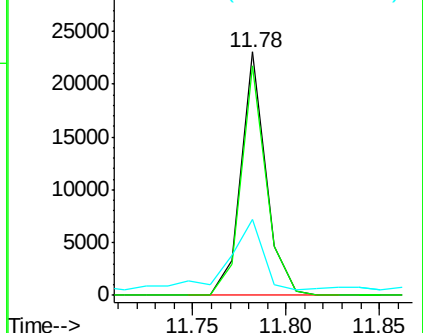
#41
 2,4,6-Tribromophenol
 Concen: 17.42 ng
 RT: 11.78 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: BF079436.D
 Acq: 22 May 2015 16:40

Instrument :
 BNA_F
 ClientSampleId :
 LF001MW001-150518

Tgt Ion:330 Resp: 21516
 Ion Ratio Lower Upper
 330 100
 332 94.5 76.9 115.3
 141 40.9 27.8 41.8

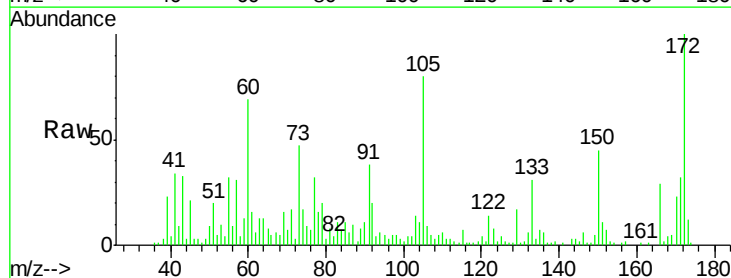


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

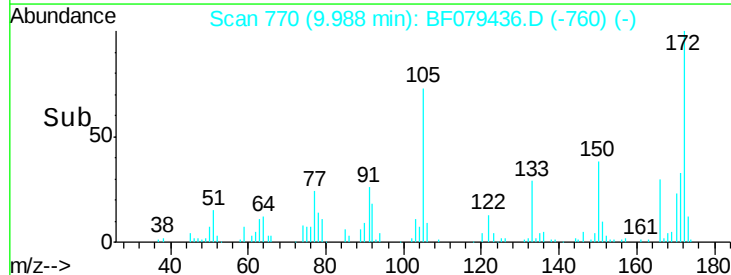
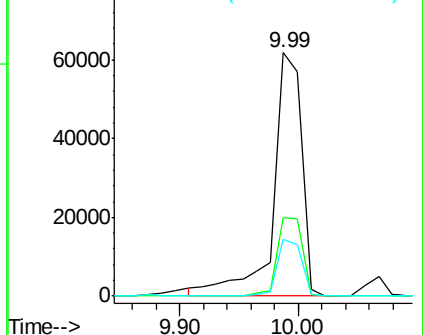


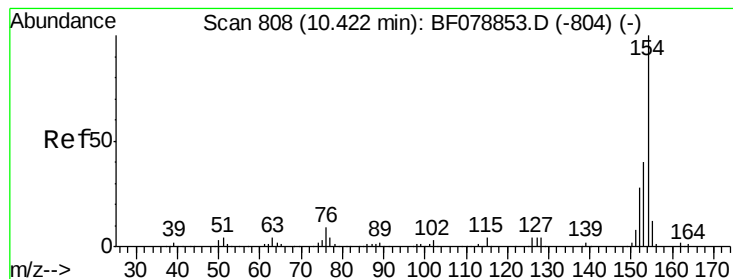
#44
 2-Fluorobiphenyl
 Concen: 12.46 ng
 RT: 9.99 min Scan# 770
 Delta R.T. 0.01 min
 Lab File: BF079436.D
 Acq: 22 May 2015 16:40

Tgt Ion:172 Resp: 102096
 Ion Ratio Lower Upper
 172 100
 171 32.3 28.3 42.5
 170 23.1 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





#45

1,1'-Biphenyl

Concen: 4.25 ng

RT: 10.11 min Scan# 781

Delta R.T. 0.01 min

Lab File: BF079436.D

Acq: 22 May 2015 16:40

Instrument :

BNA_F

ClientSampleId :

LF001MW001-150518

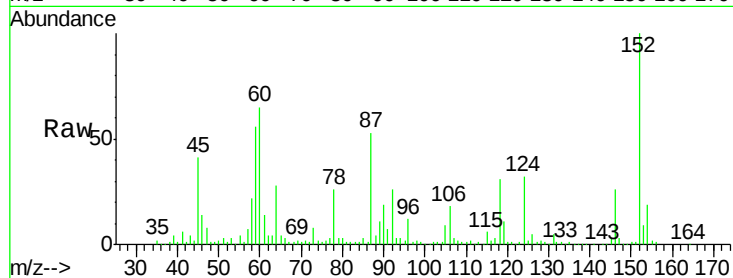
Tgt Ion:154 Resp: 38534

Ion Ratio Lower Upper

154 100

153 47.2 19.7 59.7

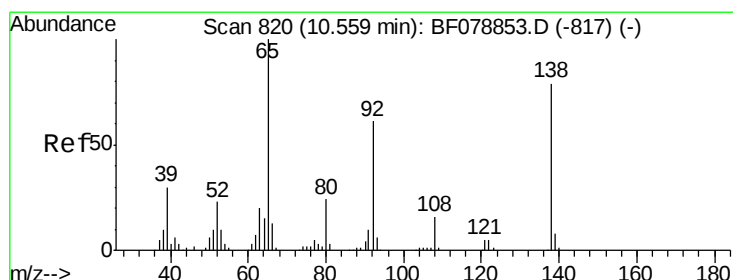
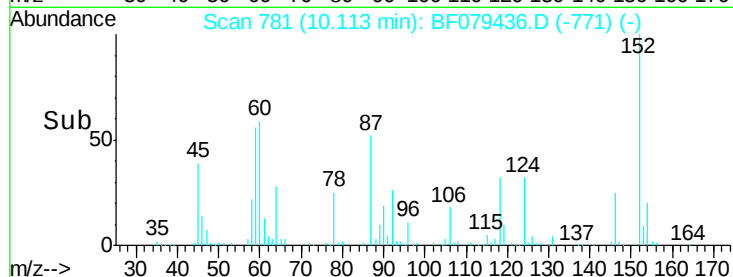
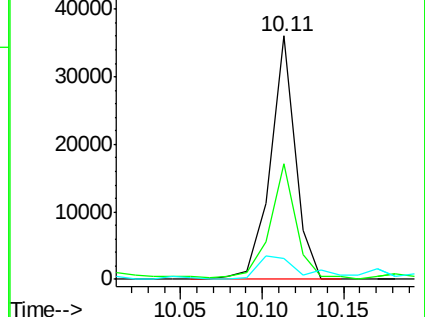
76 8.8 0.0 29.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): E



#47

2-Nitroaniline

Concen: 2.44 ng

RT: 10.30 min Scan# 797

Delta R.T. 0.05 min

Lab File: BF079436.D

Acq: 22 May 2015 16:40

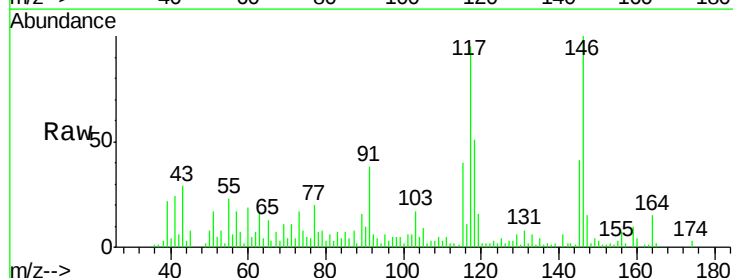
Tgt Ion: 65 Resp: 5001

Ion Ratio Lower Upper

65 100

92 47.9 49.1 73.7#

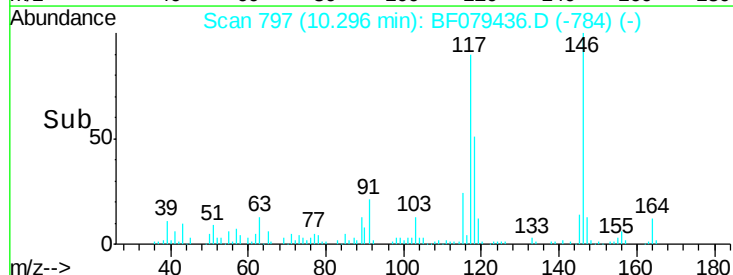
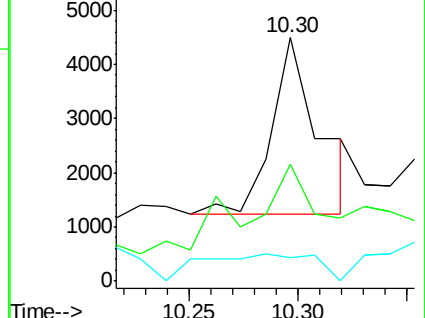
138 9.7 63.2 94.8#

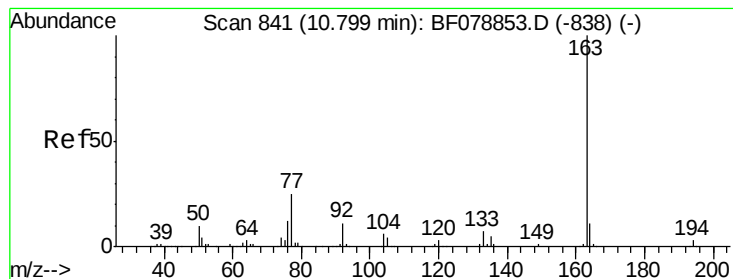


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 2.05 ng

RT: 10.50 min Scan# 815

Delta R.T. 0.01 min

Lab File: BF079436.D

Acq: 22 May 2015 16:40

Instrument :

BNA_F

ClientSampleId :

LF001MW001-150518

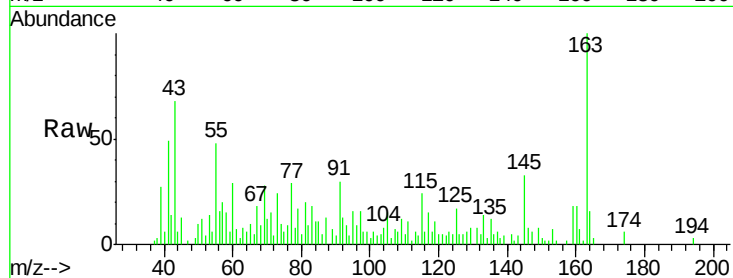
Tgt Ion:163 Resp: 17146

Ion Ratio Lower Upper

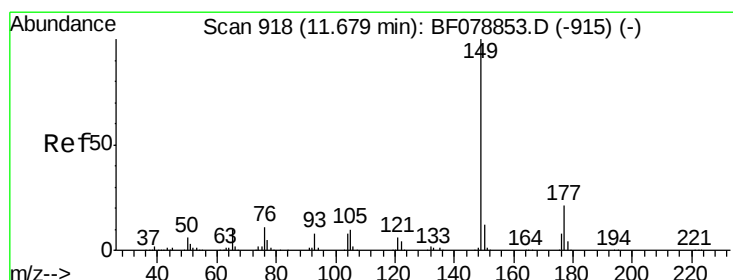
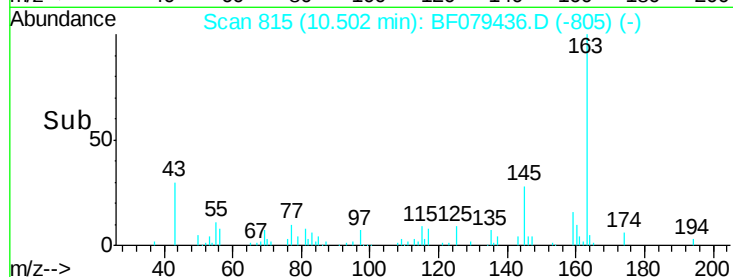
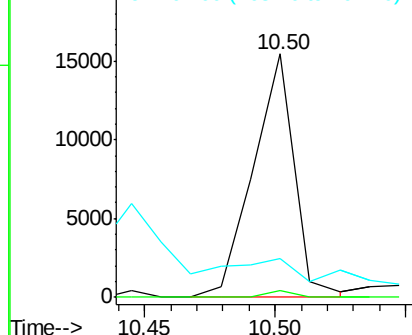
163 100

194 2.8 2.4 3.6

164 15.9 8.6 12.8#



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



#59

Diethylphthalate

Concen: 14.53 ng

RT: 11.37 min Scan# 891

Delta R.T. -0.00 min

Lab File: BF079436.D

Acq: 22 May 2015 16:40

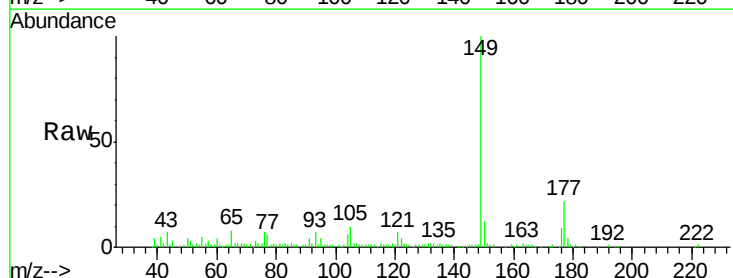
Tgt Ion:149 Resp: 120612

Ion Ratio Lower Upper

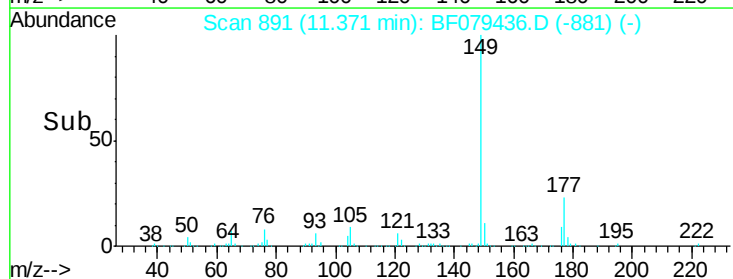
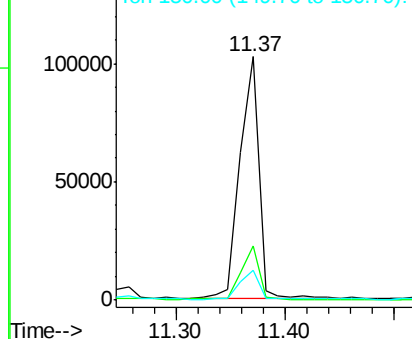
149 100

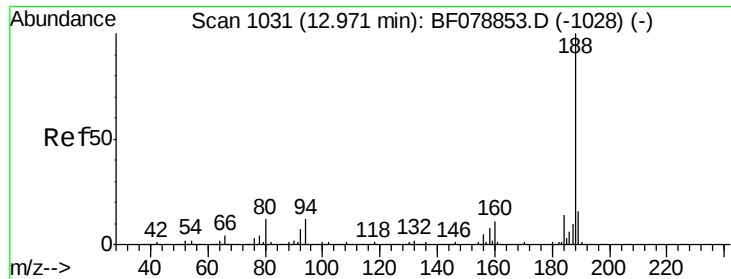
177 22.1 16.4 24.6

150 12.1 9.8 14.6



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.64 min Scan# 1002

Delta R.T. -0.00 min

Lab File: BF079436.D

Acq: 22 May 2015 16:40

Instrument :

BNA_F

ClientSampleId :

LF001MW001-150518

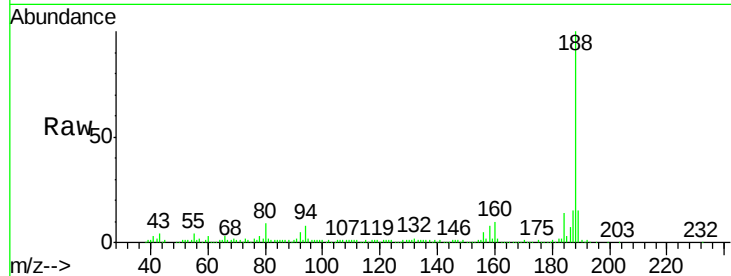
Tgt Ion:188 Resp: 212890

Ion Ratio Lower Upper

188 100

94 8.3 9.4 14.0#

80 8.5 9.8 14.6#

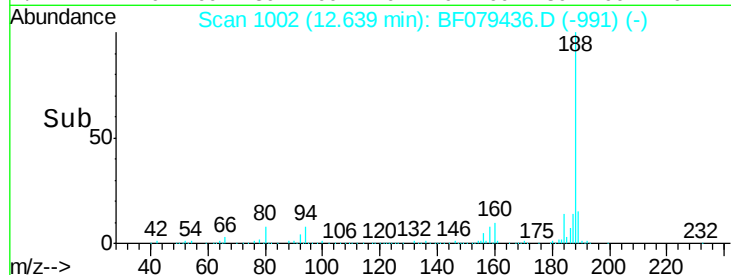


Abundance Ion 188.00 (187.70 to 188.70): E

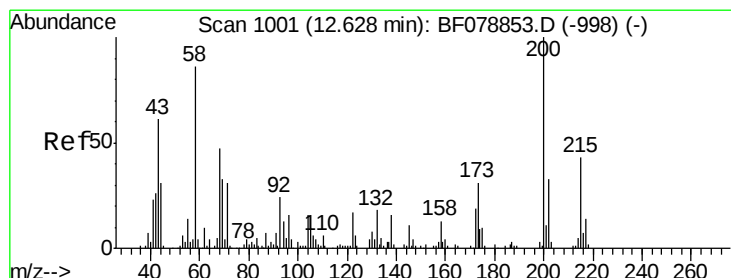
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

12.64



Time-->



#68

Atrazine

Concen: 3.47 ng

RT: 12.35 min Scan# 977

Delta R.T. 0.03 min

Lab File: BF079436.D

Acq: 22 May 2015 16:40

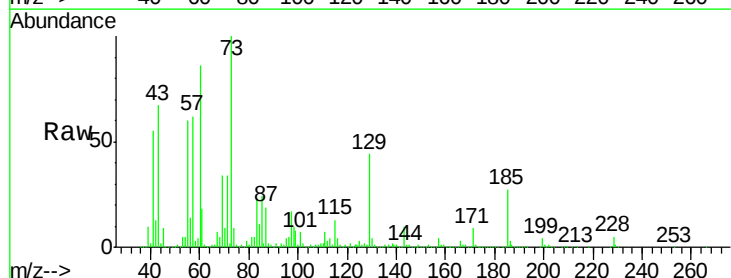
Tgt Ion:200 Resp: 7155

Ion Ratio Lower Upper

200 100

173 44.5 10.9 50.9

215 0.0 23.2 63.2#

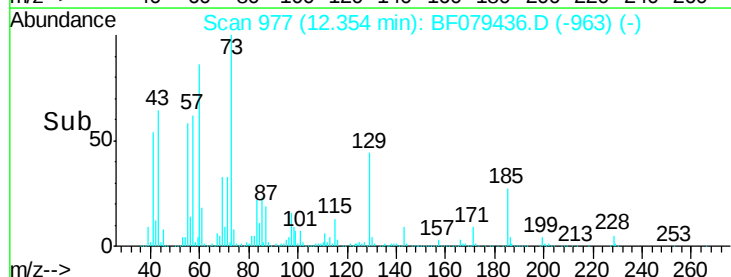


Abundance Ion 200.00 (199.70 to 200.70): E

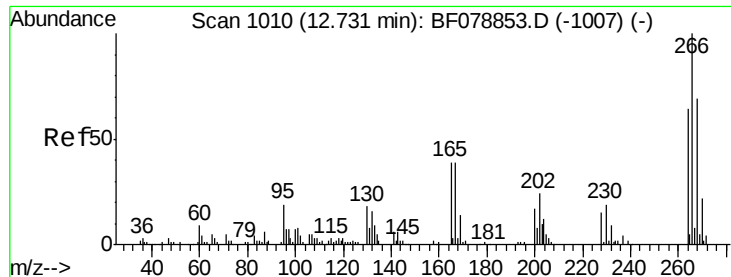
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

12.35



Time-->



#69

Pentachlorophenol

Concen: 7.55 ng

RT: 12.41 min Scan# 982

Delta R.T. -0.00 min

Lab File: BF079436.D

Acq: 22 May 2015 16:40

Instrument :

BNA_F

ClientSampleId :

LF001MW001-150518

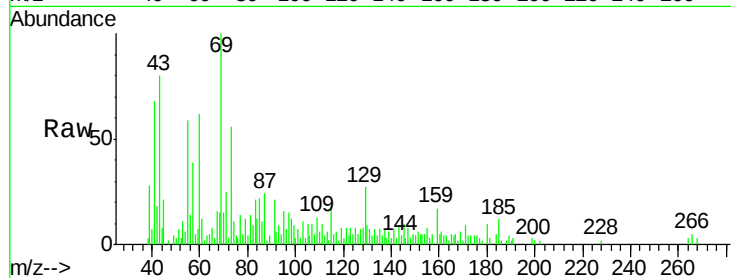
Tgt Ion:266 Resp: 1151

Ion Ratio Lower Upper

266 100

268 56.3 55.0 82.6

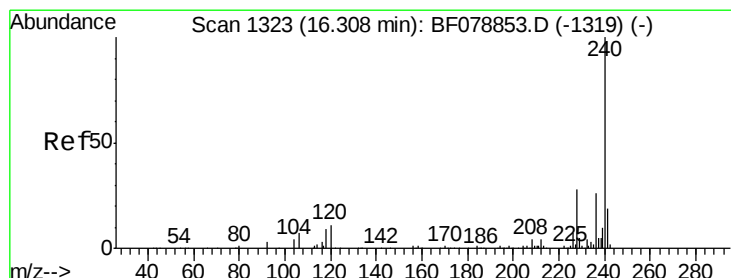
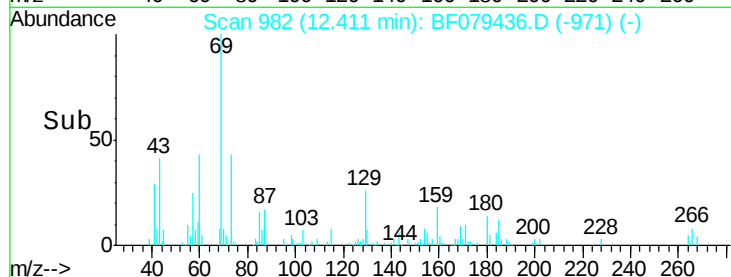
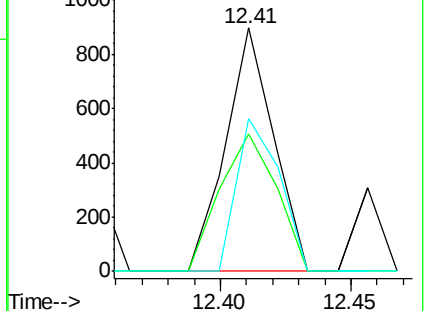
264 62.5 50.9 76.3



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.93 min Scan# 1290

Delta R.T. -0.03 min

Lab File: BF079436.D

Acq: 22 May 2015 16:40

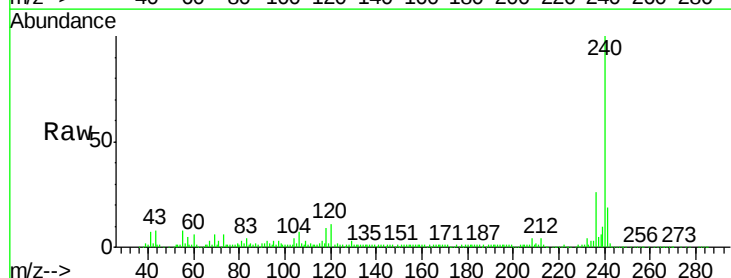
Tgt Ion:240 Resp: 216071

Ion Ratio Lower Upper

240 100

120 11.0 8.6 12.8

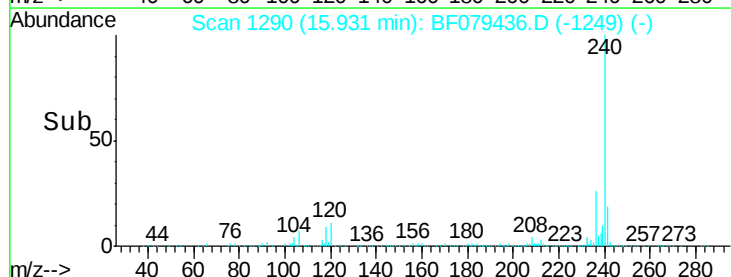
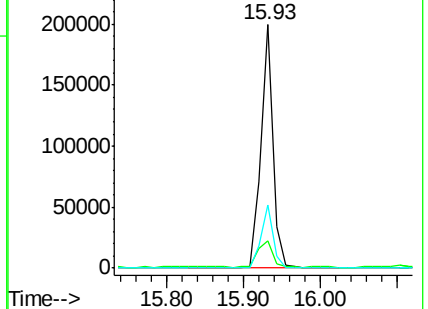
236 25.8 21.0 31.6

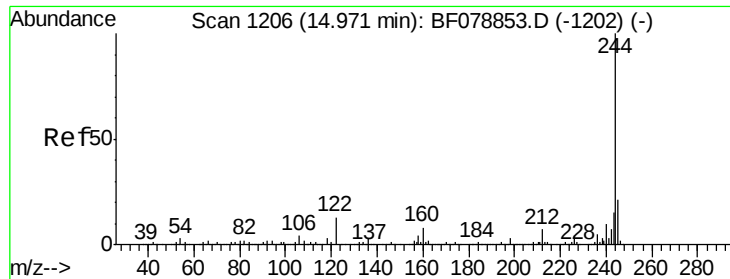


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 10.94 ng

RT: 14.63 min Scan# 1176

Delta R.T. -0.00 min

Lab File: BF079436.D

Acq: 22 May 2015 16:40

Instrument :

BNA_F

ClientSampleId :

LF001MW001-150518

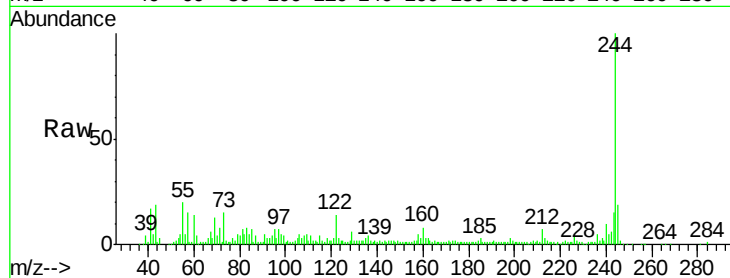
Tgt Ion:244 Resp: 98745

Ion Ratio Lower Upper

244 100

212 7.4 5.6 8.4

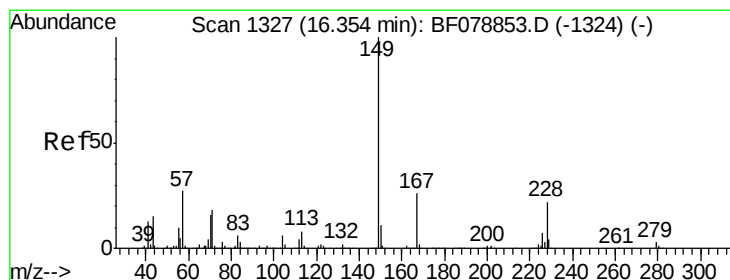
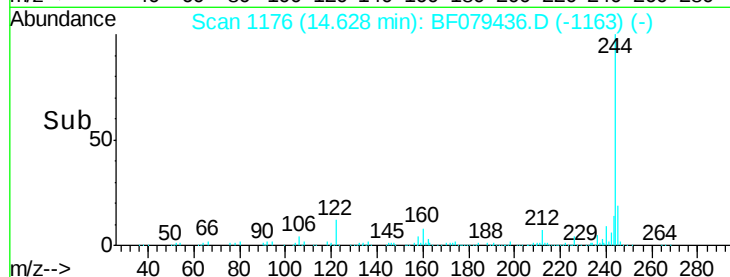
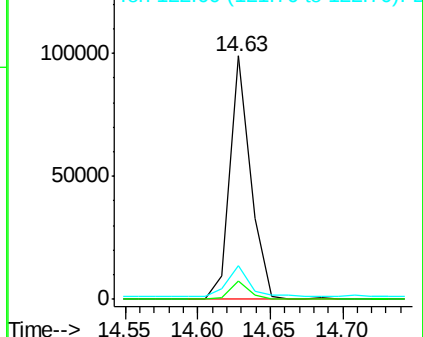
122 14.0 10.5 15.7



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: 7.13 ng

RT: 15.99 min Scan# 1295

Delta R.T. -0.05 min

Lab File: BF079436.D

Acq: 22 May 2015 16:40

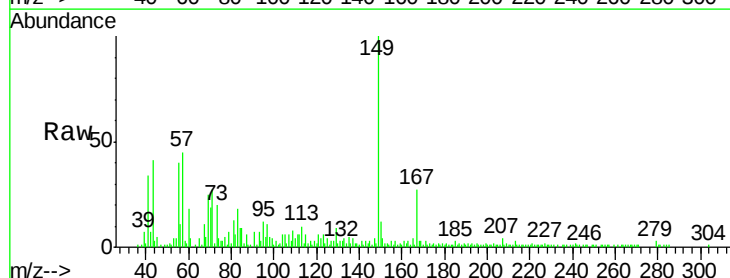
Tgt Ion:149 Resp: 58802

Ion Ratio Lower Upper

149 100

167 26.9 21.2 31.8

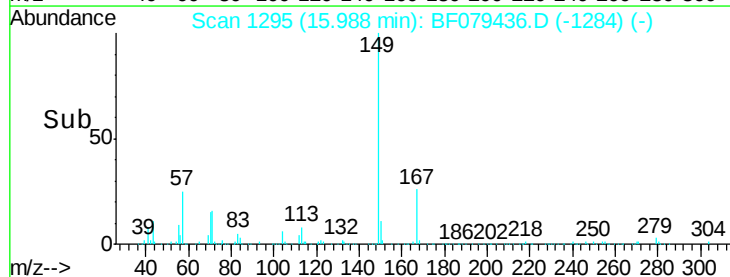
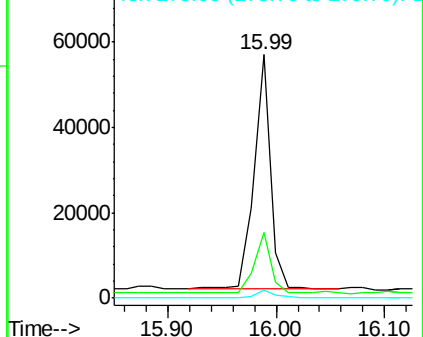
279 3.1 2.6 4.0

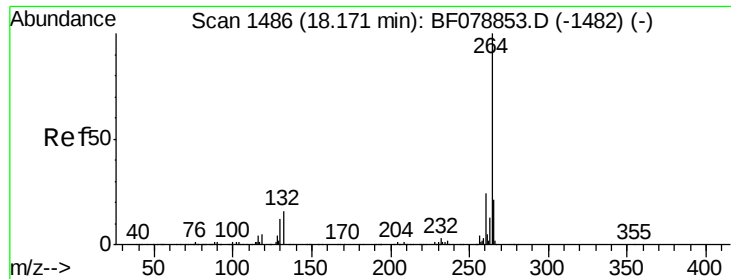


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

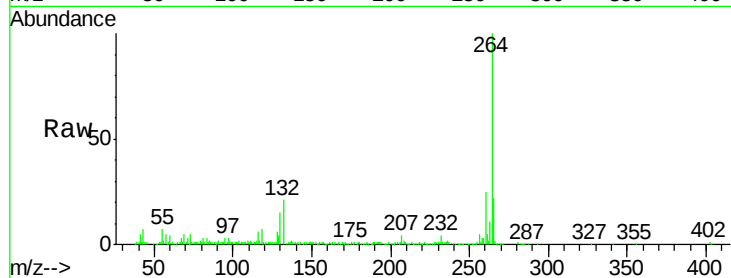




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.71 min Scan# 1446
Delta R.T. -0.14 min
Lab File: BF079436.D
Acq: 22 May 2015 16:40

Instrument :
BNA_F
ClientSampleId :
LF001MW001-150518

Tgt Ion: 264 Resp: 216104
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 22.0 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

