

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051315\
 Data File : BF079216.D
 Acq On : 14 May 2015 1:59
 Operator : TP/IZ
 Sample : G2140-02RE
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAR9795RE

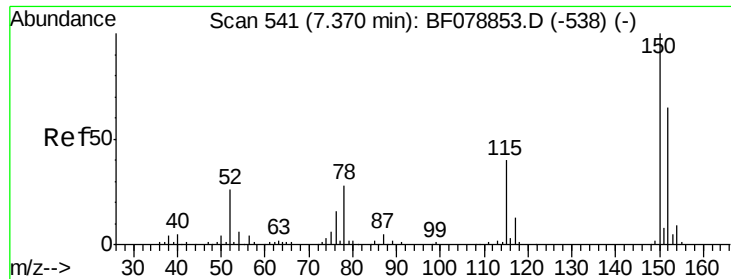
Quant Time: May 14 04:48:23 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 14 00:58:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.24	152	52541	20.00	ng	0.01
21) Naphthalene-d8	8.84	136	121895	20.00	ng	0.03
38) Acenaphthene-d10	10.98	164	131473	20.00	ng	0.00
63) Phenanthrene-d10	12.83	188	225544	20.00	ng	0.00
75) Chrysene-d12	16.11	240	242781	20.00	ng	-0.05
86) Perylene-d12	17.83	264	249928	20.00	ng	-0.19

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	48611	15.93	ng	0.00
7) Phenol-d6	6.80	99	91092	22.58	ng	0.00
23) Nitrobenzene-d5	7.98	82	54624	25.75	ng	0.05
41) 2,4,6-Tribromophenol	11.96	330	16661	11.71	ng	0.00
44) 2-Fluorobiphenyl	10.16	172	81561	8.64	ng	0.00
78) Terphenyl-d14	14.82	244	92347	9.11	ng	0.00

Target Compounds						Qvalue
9) Benzaldehyde	6.65	77	6137	2.26	ng	# 1
15) Benzyl Alcohol	7.44	79	29631	9.89	ng	# 49
18) Hexachloroethane	7.87	117	10652	7.72	ng	# 1
22) Acetophenone	7.75	105	26301	9.55	ng	# 1
24) Nitrobenzene	7.94	77	43514	20.70	ng	# 34
25) Isophorone	8.26	82	363641	92.48	ng	# 1
26) 2-Nitrophenol	8.33	139	26534	30.49	ng	# 1
27) 2,4-Dimethylphenol	8.44	122	45467	26.11	ng	# 1
28) bis(2-Chloroethoxy)methane	8.57	93	24452	10.09	ng	# 1
31) Naphthalene	8.88	128	44028	7.58	ng	# 1
32) Benzoic acid	8.58	122	16836	19.72	ng	# 1
33) 4-Chloroaniline	8.91	127	113697	46.26	ng	# 70
35) Caprolactam	9.39	113	94949	189.64	ng	# 27
36) 4-Chloro-3-methylphenol	9.56	107	4780	2.94	ng	# 24
37) 2-Methylnaphthalene	9.71	142	60363	15.00	ng	97
45) 1,1'-Biphenyl	10.28	154	25674	2.46	ng	94
73) Di-n-butylphthalate	13.58	149	30211	2.14	ng	# 98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.24 min Scan# 530

Delta R.T. 0.01 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

Instrument :

BNA_F

ClientSampleId :

LAR9795RE

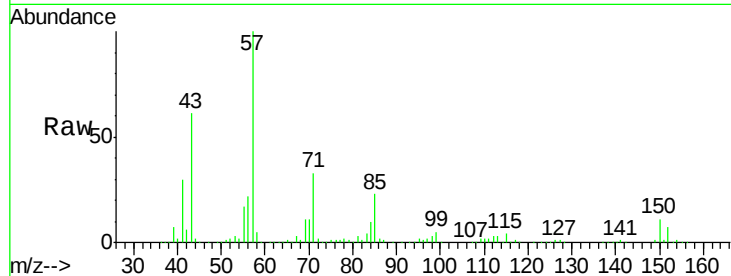
Tgt Ion:152 Resp: 52541

Ion Ratio Lower Upper

152 100

150 152.2 122.0 183.0

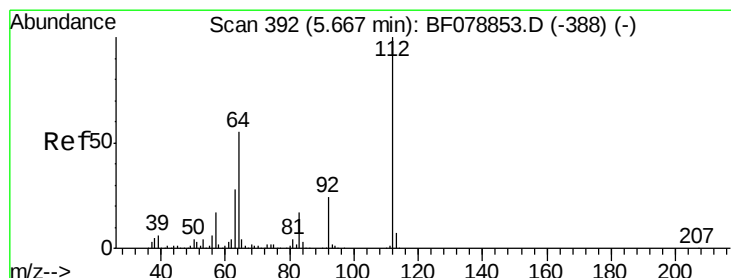
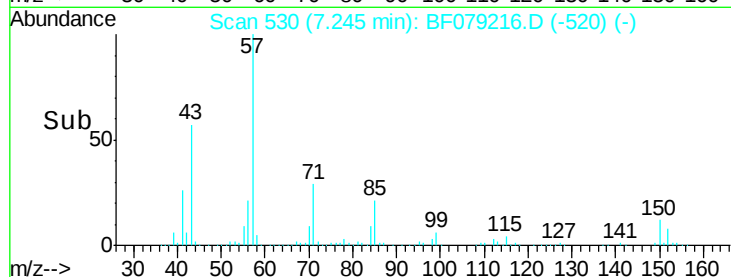
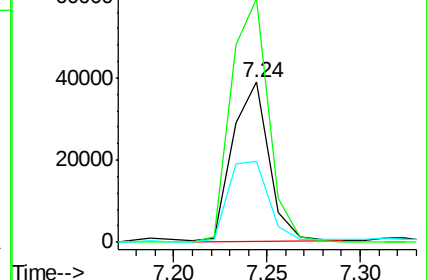
115 50.8 46.3 69.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 15.93 ng

RT: 5.53 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

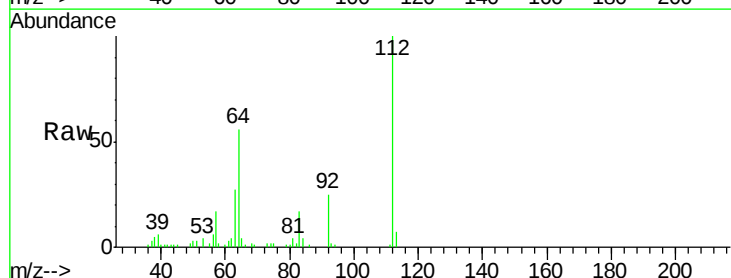
Tgt Ion:112 Resp: 48611

Ion Ratio Lower Upper

112 100

64 56.4 53.5 80.3

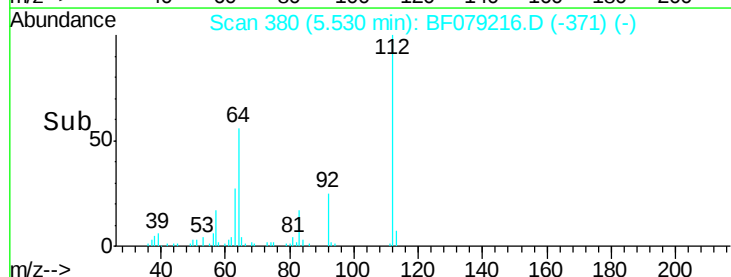
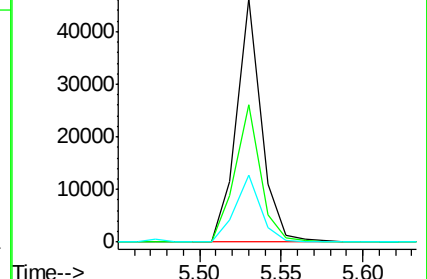
63 27.5 27.5 41.3#

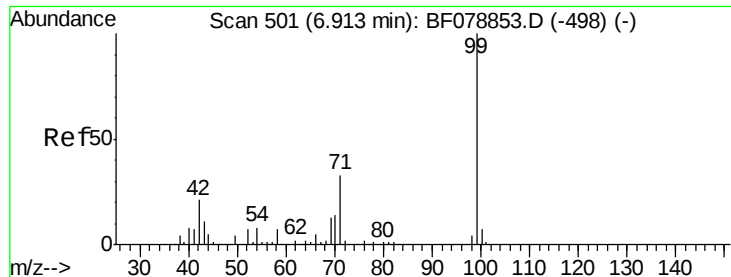


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 22.58 ng

RT: 6.80 min Scan# 491

Delta R.T. 0.00 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

Instrument :

BNA_F

ClientSampleId :

LAR9795RE

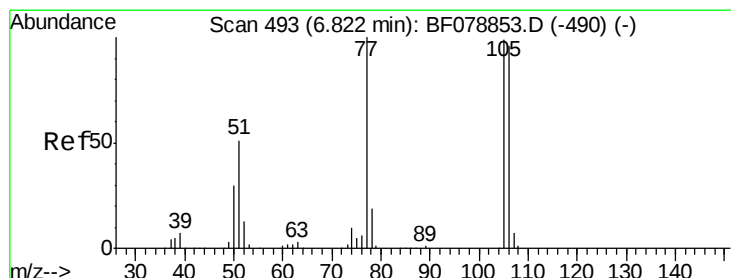
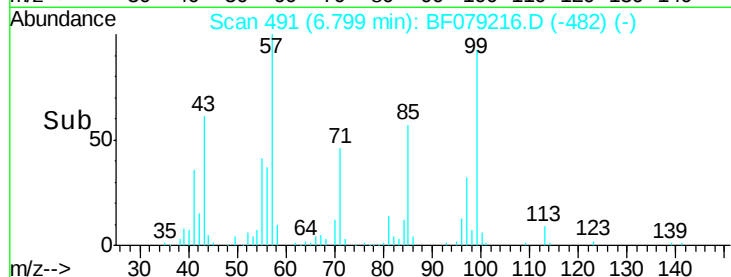
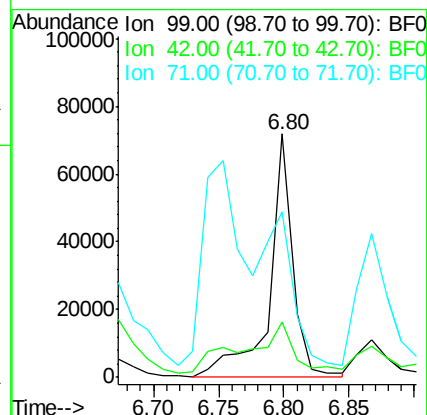
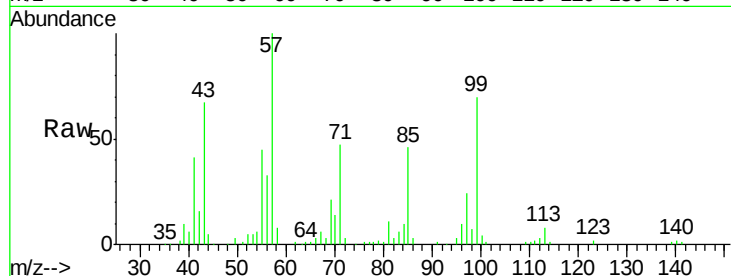
Tgt Ion: 99 Resp: 91092

Ion Ratio Lower Upper

99 100

42 22.7 12.8 19.2#

71 67.8 23.4 35.2#



#9

Benzaldehyde

Concen: 2.26 ng

RT: 6.65 min Scan# 478

Delta R.T. -0.03 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

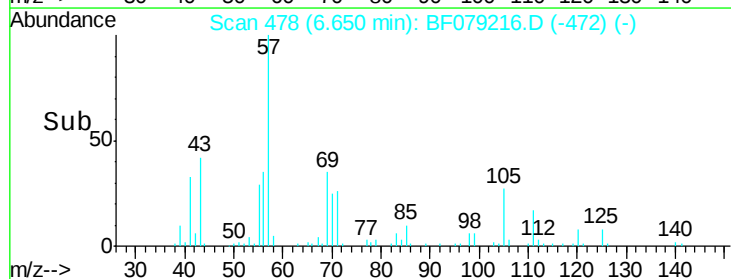
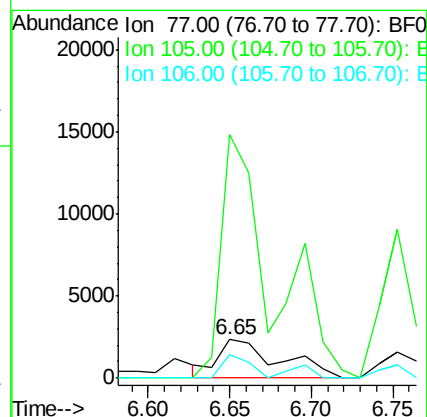
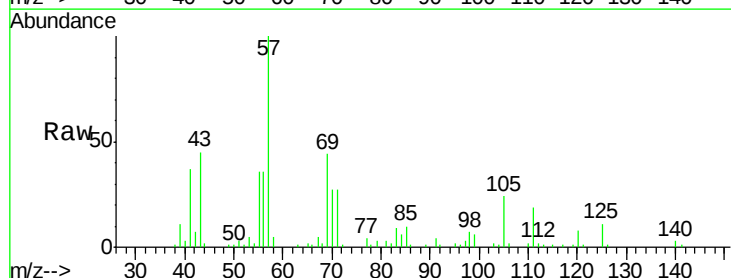
Tgt Ion: 77 Resp: 6137

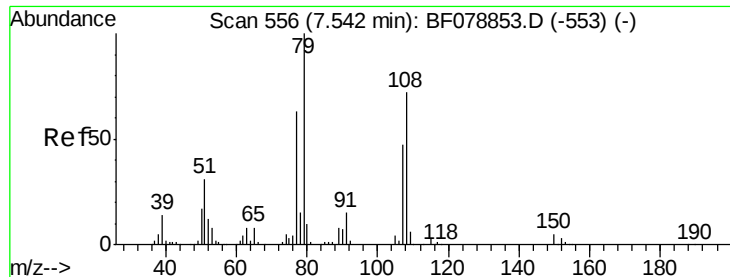
Ion Ratio Lower Upper

77 100

105 636.0 81.7 121.7#

106 60.1 79.0 119.0#





#15

Benzyl Alcohol

Concen: 9.89 ng

RT: 7.44 min Scan# 547

Delta R.T. 0.02 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

Instrument :

BNA_F

ClientSampleId :

LAR9795RE

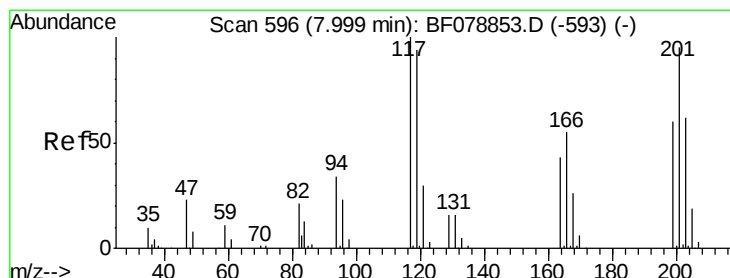
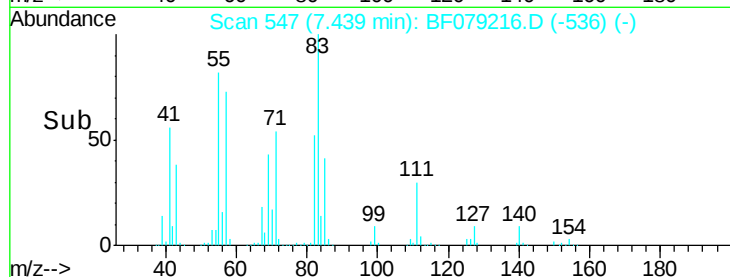
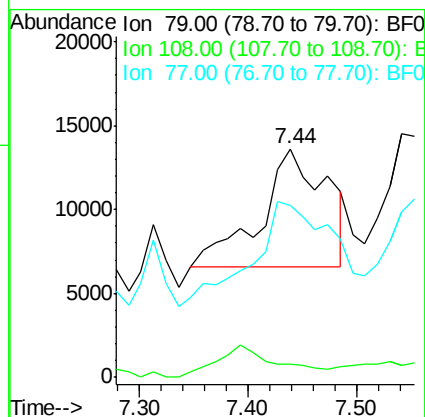
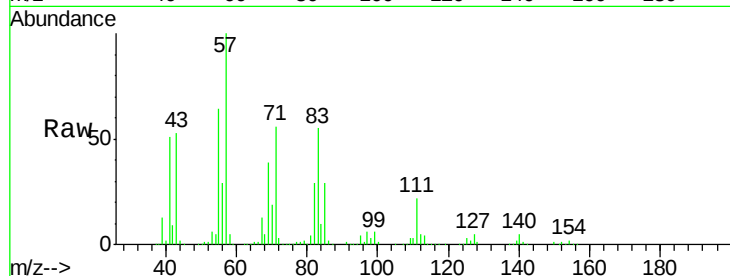
Tgt Ion: 79 Resp: 29631

Ion Ratio Lower Upper

79 100

108 5.7 62.5 93.7#

77 75.2 52.2 78.4



#18

Hexachloroethane

Concen: 7.72 ng

RT: 7.87 min Scan# 585

Delta R.T. 0.02 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

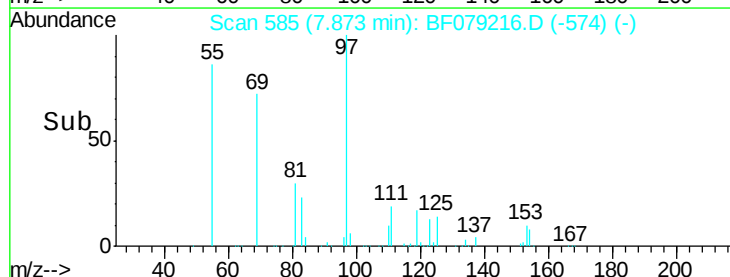
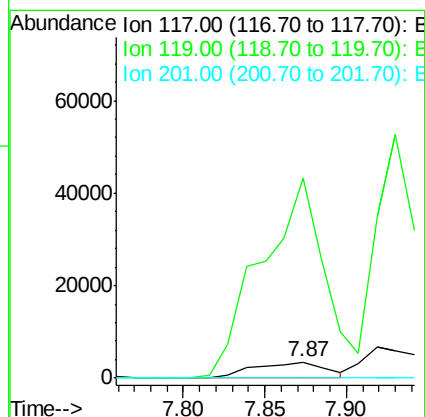
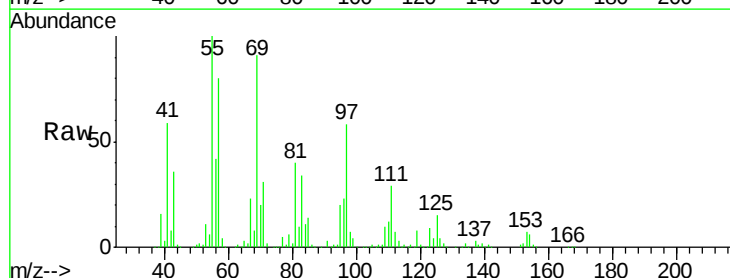
Tgt Ion: 117 Resp: 10652

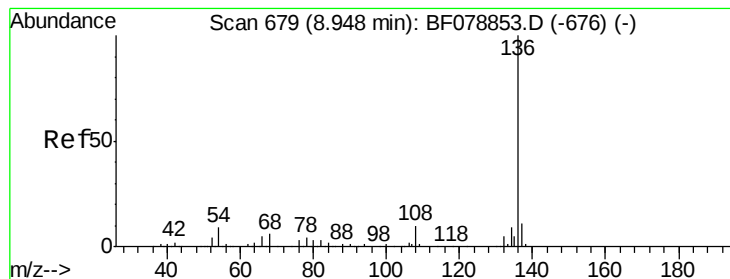
Ion Ratio Lower Upper

117 100

119 1261.4 75.4 113.0#

201 0.0 83.2 124.8#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.84 min Scan# 670

Delta R.T. 0.03 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

Instrument :

BNA_F

ClientSampled :

LAR9795RE

Tgt Ion:136 Resp: 121895

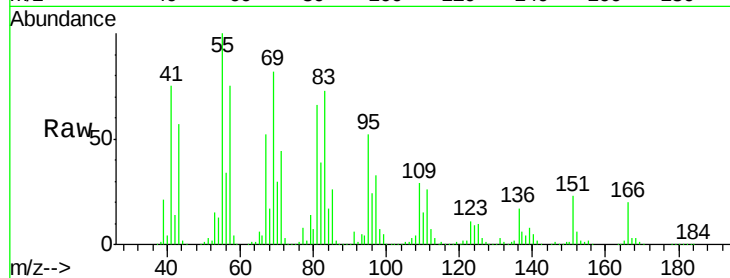
Ion Ratio Lower Upper

136 100

137 37.8 8.7 13.1#

54 75.7 5.8 8.8#

68 100.2 4.2 6.4#

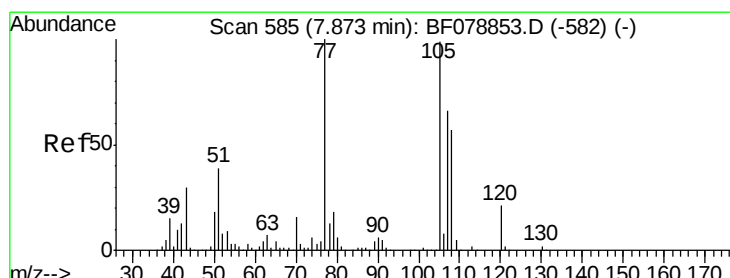
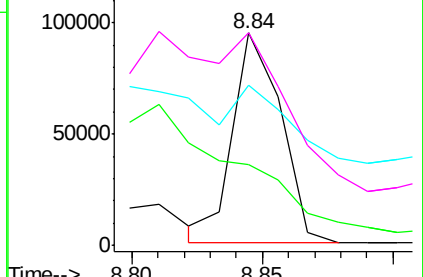
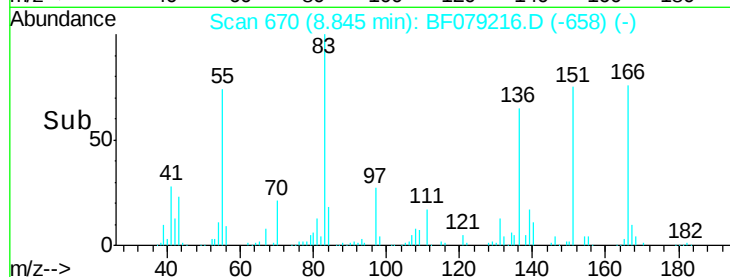


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 9.55 ng

RT: 7.75 min Scan# 574

Delta R.T. 0.00 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

Tgt Ion:105 Resp: 26301

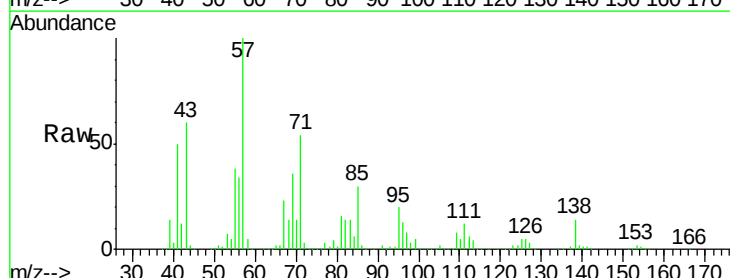
Ion Ratio Lower Upper

105 100

71 3278.1 4.6 6.8#

51 101.6 26.7 40.1#

120 0.0 17.4 26.0#

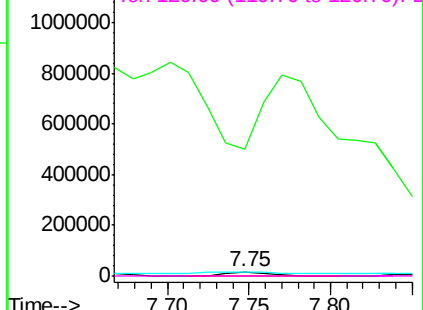
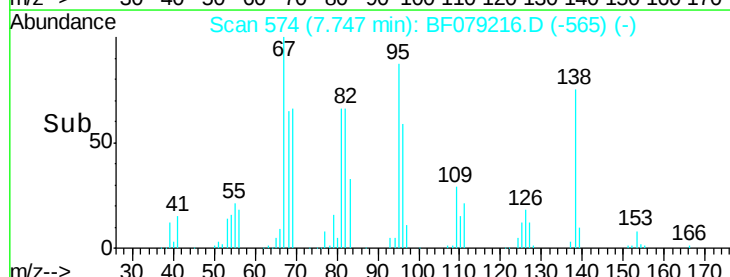


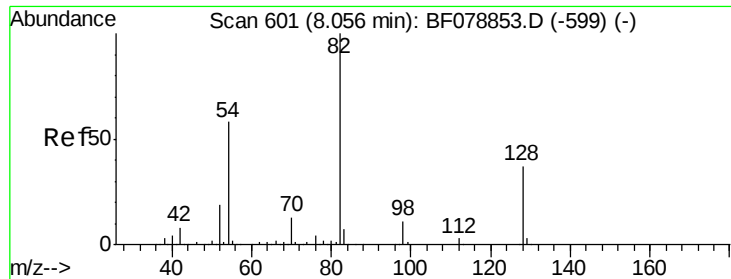
Abundance Ion 105.00 (104.70 to 105.70): E

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

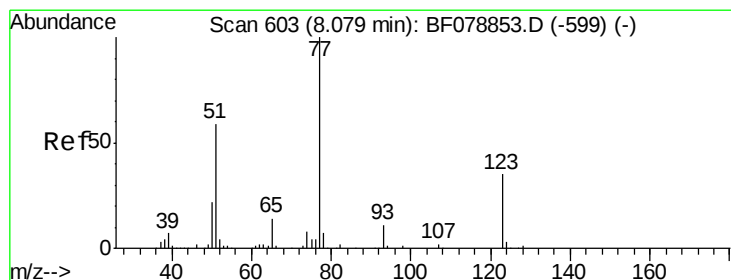
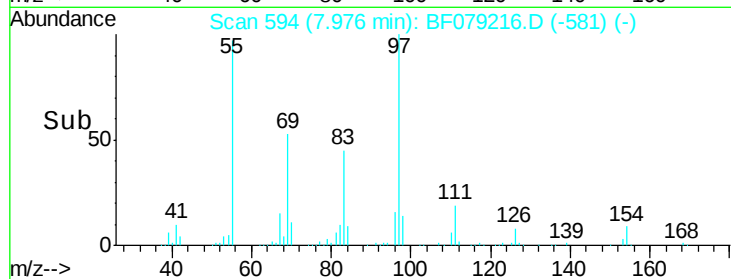
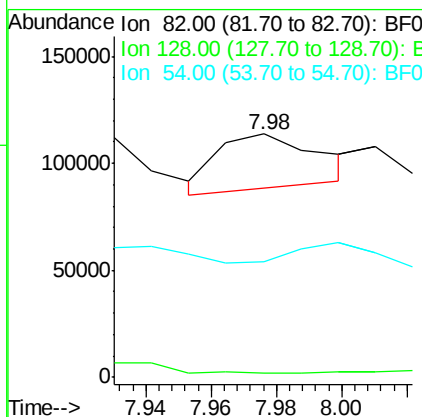
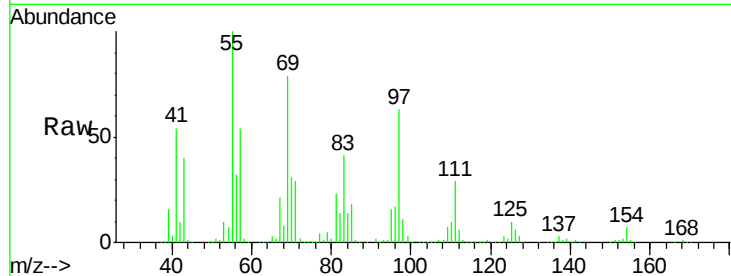




#23
 Nitrobenzene-d5
 Concen: 25.75 ng
 RT: 7.98 min Scan# 594
 Delta R.T. 0.05 min
 Lab File: BF079216.D
 Acq: 14 May 2015 1:59

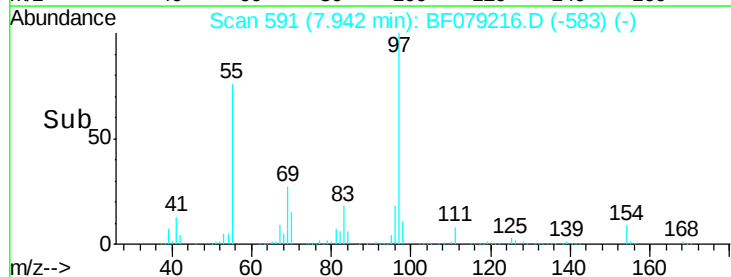
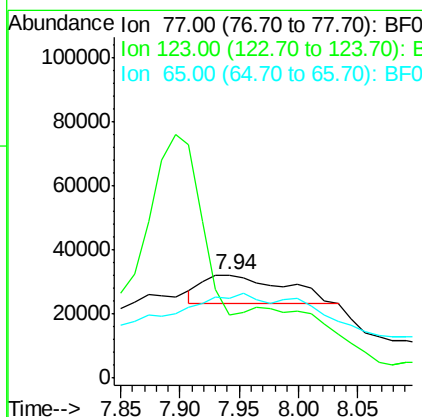
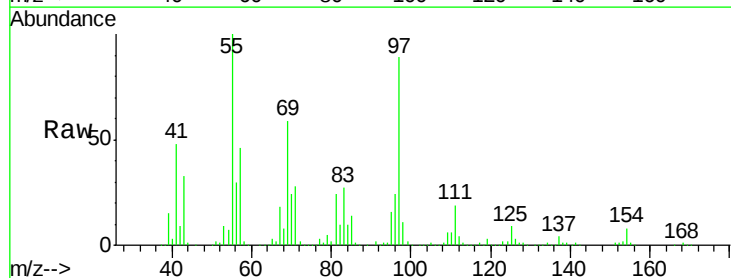
Instrument :
 BNA_F
 ClientSampleId :
 LAR9795RE

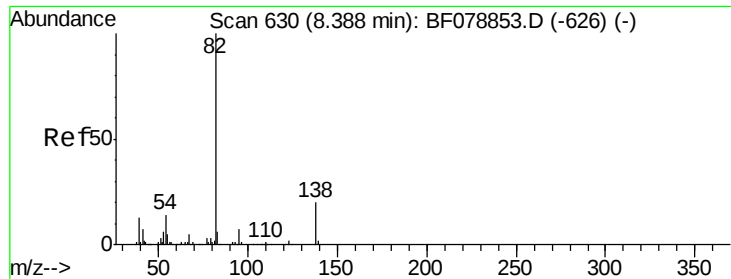
Tgt Ion	Ratio	Lower	Upper
82	100		
128	1.7	30.0	45.0#
54	47.5	46.4	69.6



#24
 Nitrobenzene
 Concen: 20.70 ng
 RT: 7.94 min Scan# 591
 Delta R.T. -0.01 min
 Lab File: BF079216.D
 Acq: 14 May 2015 1:59

Tgt Ion	Ratio	Lower	Upper
77	100		
123	61.1	31.8	47.8#
65	77.3	10.6	15.8#





#25

Isophorone

Concen: 92.48 ng

RT: 8.26 min Scan# 619

Delta R.T. 0.01 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

Instrument :

BNA_F

ClientSampleId :

LAR9795RE

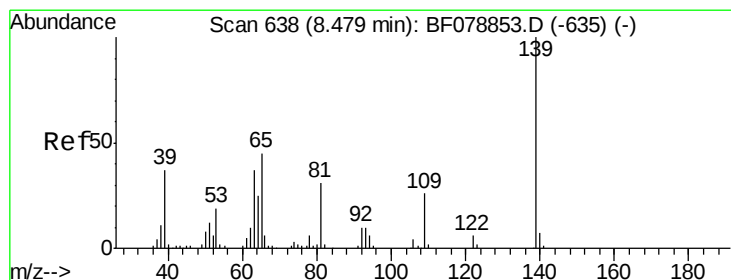
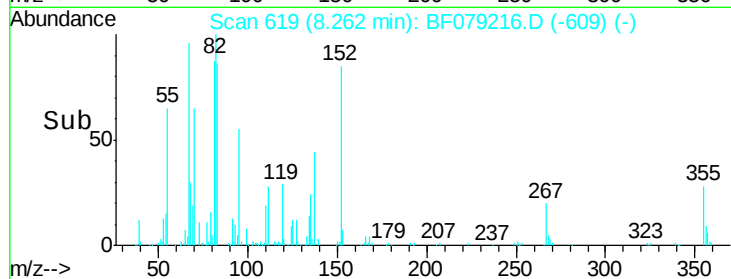
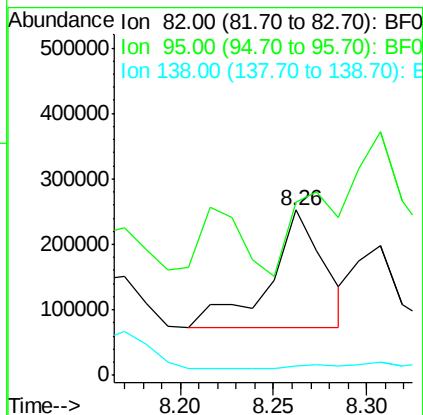
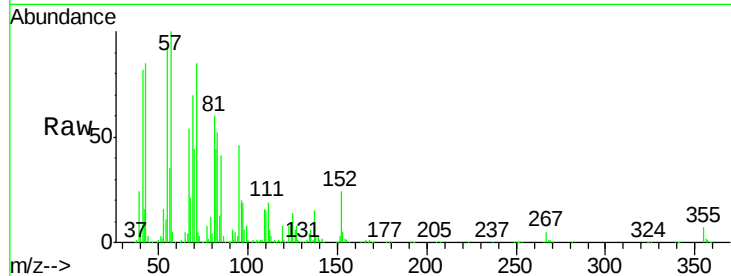
Tgt Ion: 82 Resp: 363641

Ion Ratio Lower Upper

82 100

95 104.5 5.3 7.9#

138 5.9 12.0 18.0#



#26

2-Nitrophenol

Concen: 30.49 ng

RT: 8.33 min Scan# 625

Delta R.T. -0.01 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

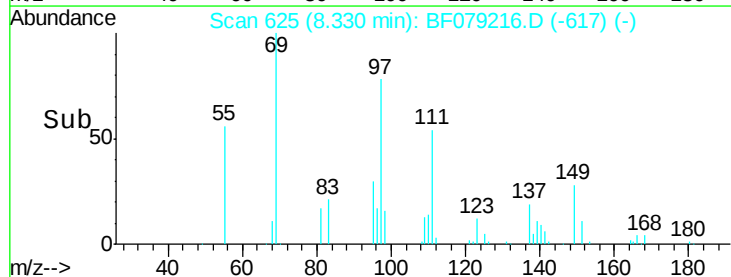
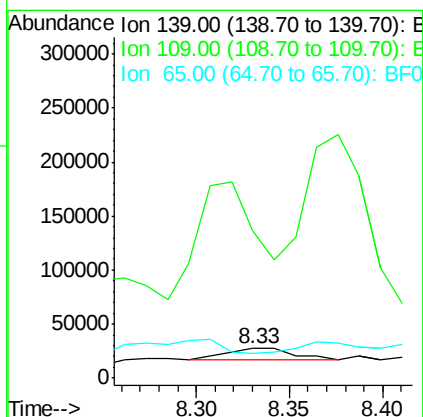
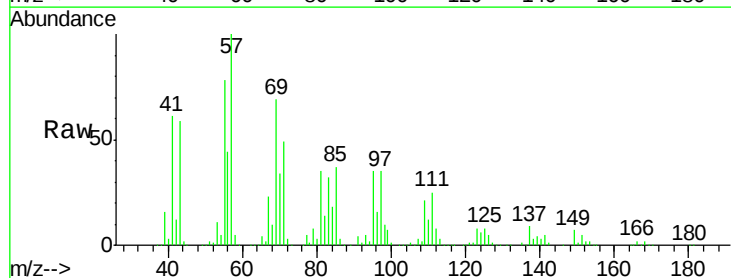
Tgt Ion: 139 Resp: 26534

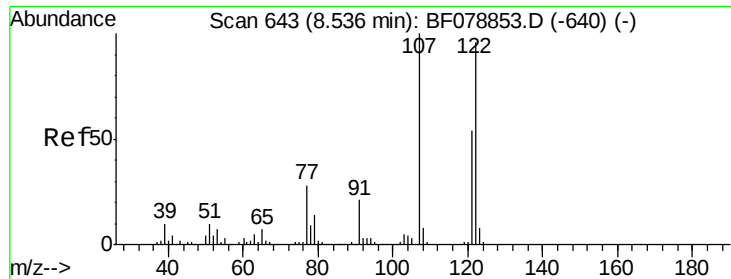
Ion Ratio Lower Upper

139 100

109 494.8 21.0 31.4#

65 83.7 30.5 45.7#





#27

2,4-Dimethylphenol

Concen: 26.11 ng

RT: 8.44 min Scan# 635

Delta R.T. 0.03 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

Instrument :

BNA_F

ClientSampleId :

LAR9795RE

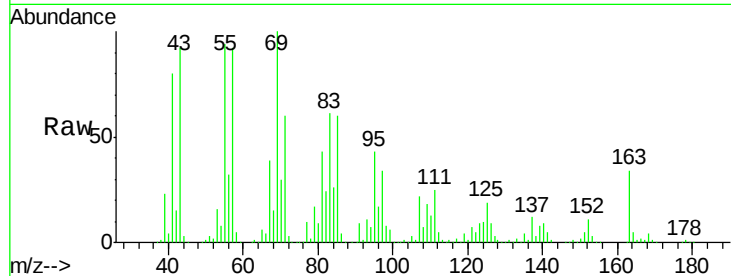
Tgt Ion:122 Resp: 45467

Ion Ratio Lower Upper

122 100

107 446.6 90.6 135.8#

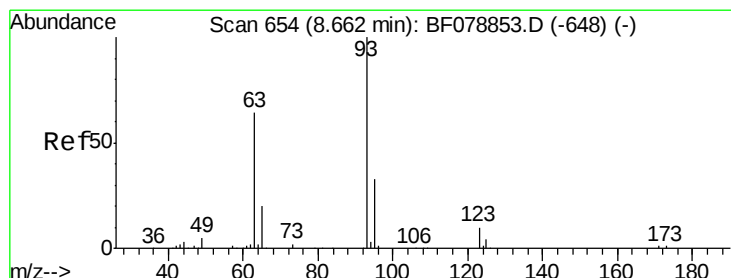
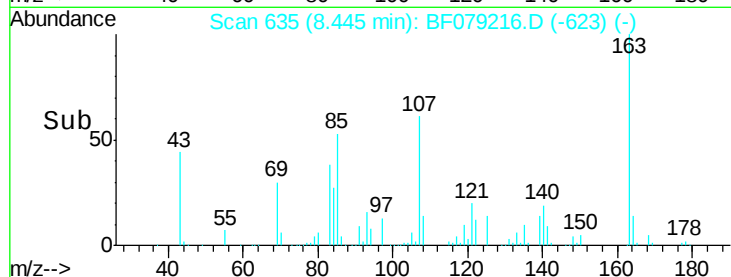
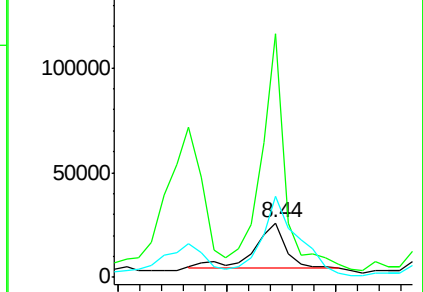
121 148.2 45.4 68.2#



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



#28

bis(2-Chloroethoxy)methane

Concen: 10.09 ng

RT: 8.57 min Scan# 646

Delta R.T. 0.03 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

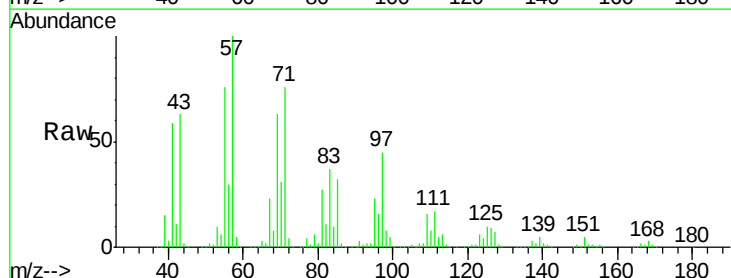
Tgt Ion: 93 Resp: 24452

Ion Ratio Lower Upper

93 100

95 930.0 26.7 40.1#

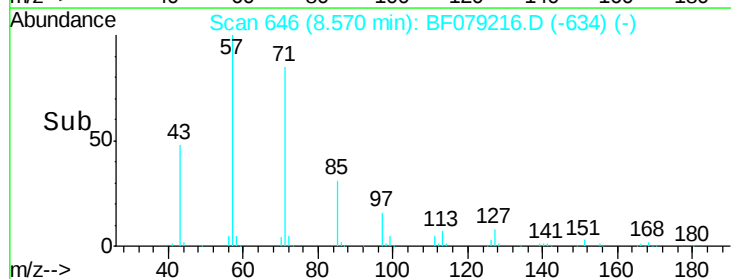
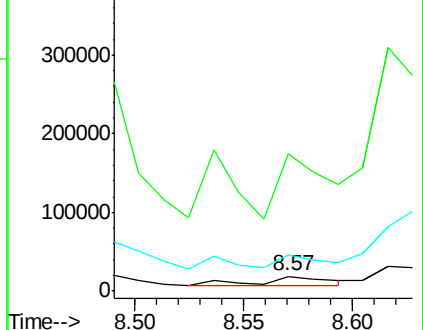
123 245.0 9.1 13.7#

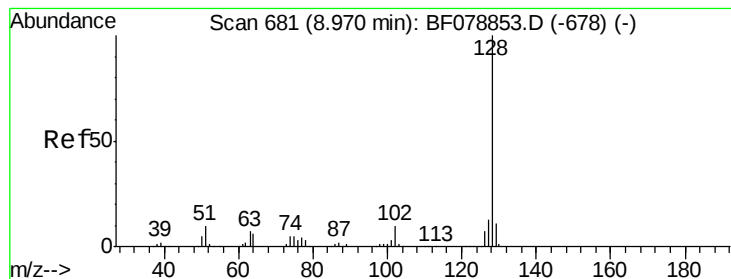


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





#31

Naphthalene

Concen: 7.58 ng

RT: 8.88 min Scan# 673

Delta R.T. 0.05 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

Instrument :

BNA_F

ClientSampleId :

LAR9795RE

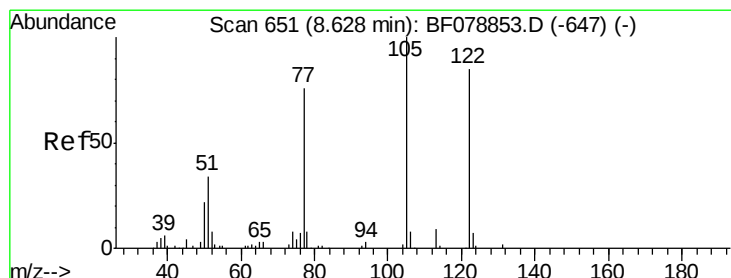
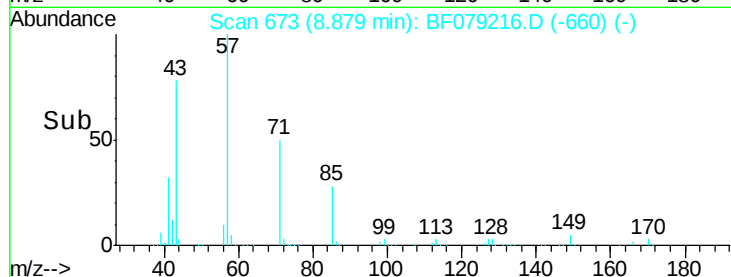
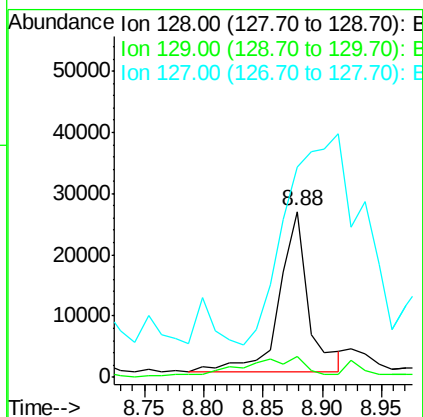
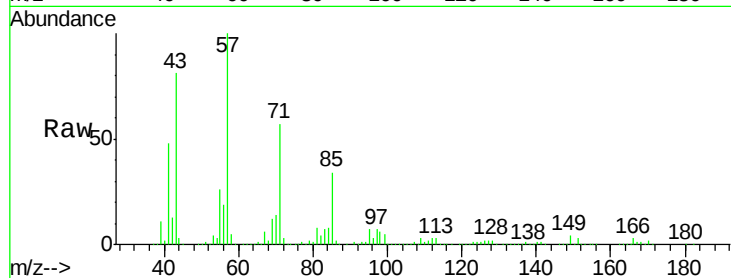
Tgt Ion:128 Resp: 44028

Ion Ratio Lower Upper

128 100

129 12.5 9.3 13.9

127 126.9 10.7 16.1#



#32

Benzoic acid

Concen: 19.72 ng

RT: 8.58 min Scan# 647

Delta R.T. 0.06 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

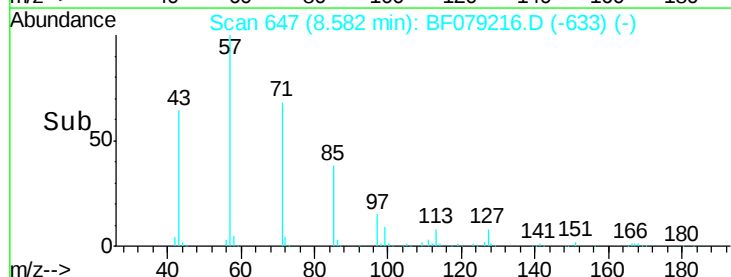
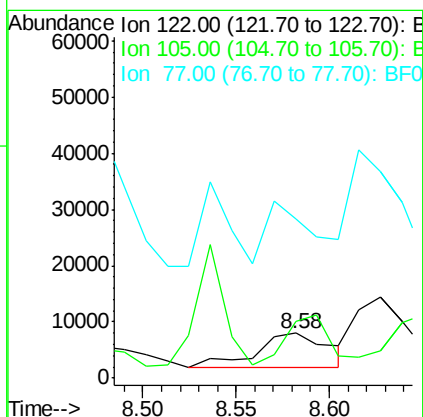
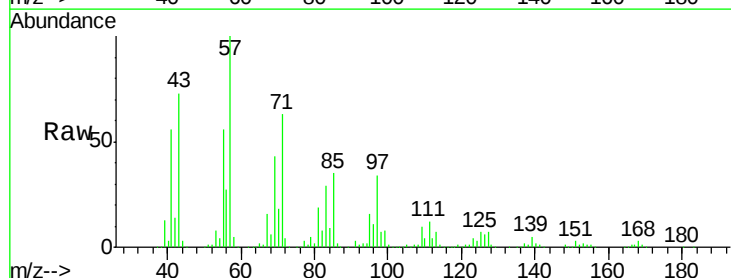
Tgt Ion:122 Resp: 16836

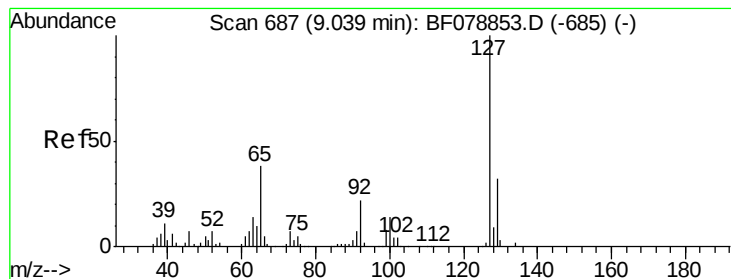
Ion Ratio Lower Upper

122 100

105 125.3 107.1 147.1

77 353.2 73.9 113.9#





#33

4-Chloroaniline

Concen: 46.26 ng

RT: 8.91 min Scan# 676

Delta R.T. 0.00 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

Instrument :

BNA_F

ClientSampleId :

LAR9795RE

Tgt Ion:127 Resp: 113697

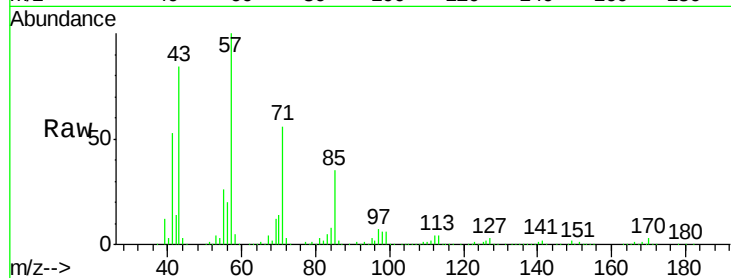
Ion Ratio Lower Upper

127 100

129 1.4 25.8 38.8#

65 33.7 25.8 38.6

92 3.7 15.5 23.3#

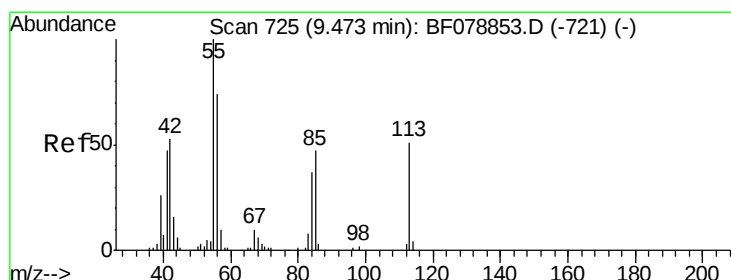
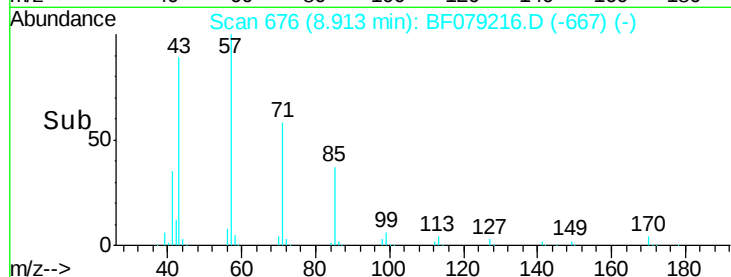
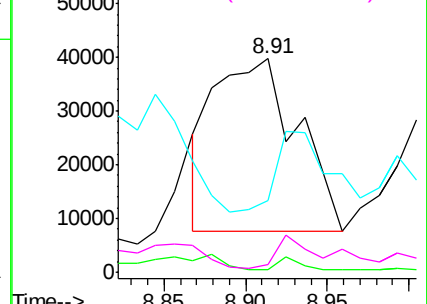


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#35

Caprolactam

Concen: 189.64 ng

RT: 9.39 min Scan# 718

Delta R.T. 0.05 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

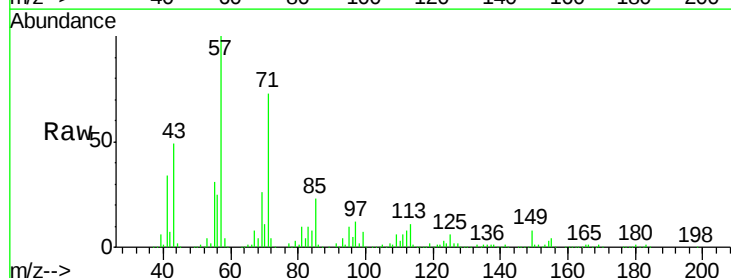
Tgt Ion:113 Resp: 94949

Ion Ratio Lower Upper

113 100

55 290.5 169.7 209.7#

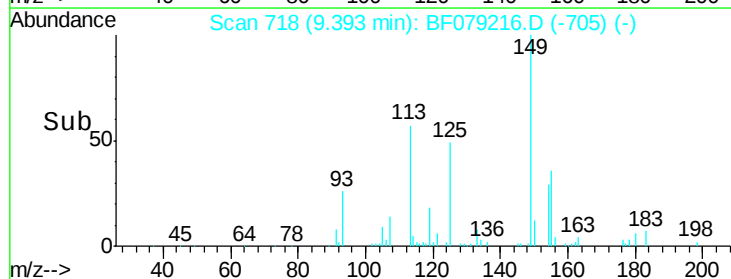
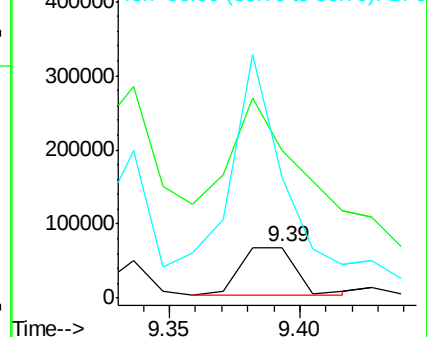
56 237.9 122.5 162.5#

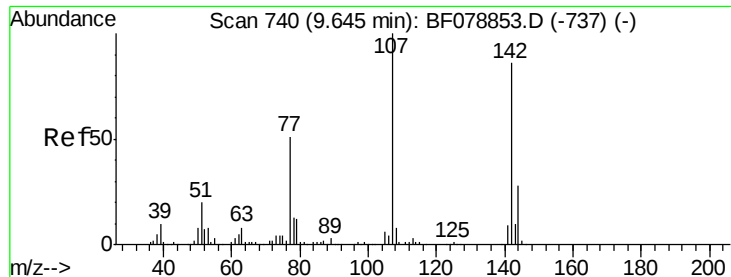


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0





#36

4-Chloro-3-methylphenol

Concen: 2.94 ng

RT: 9.56 min Scan# 733

Delta R.T. 0.05 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

Instrument :

BNA_F

ClientSampleId :

LAR9795RE

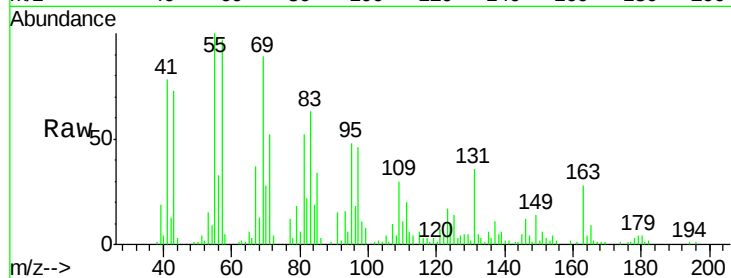
Tgt Ion:107 Resp: 4780

Ion Ratio Lower Upper

107 100

144 5.8 19.8 29.6#

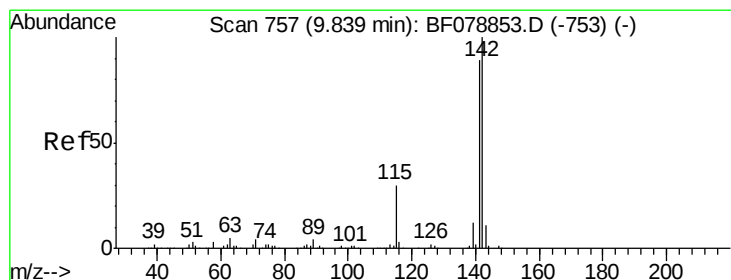
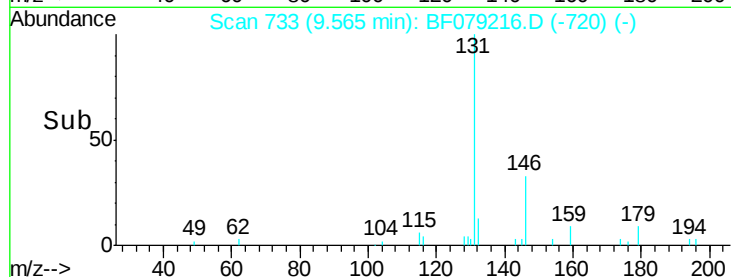
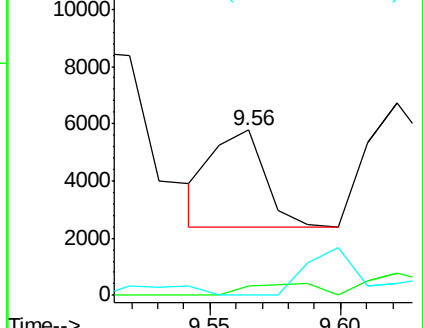
142 0.0 60.6 91.0#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#37

2-Methylnaphthalene

Concen: 15.00 ng

RT: 9.71 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

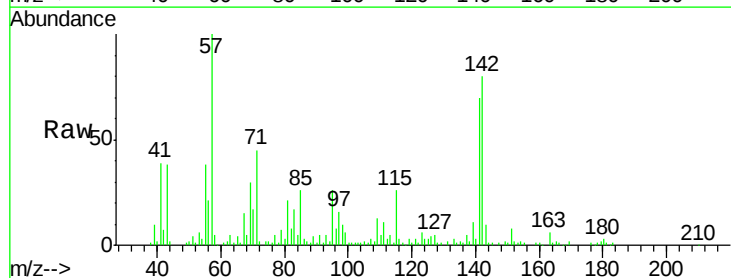
Tgt Ion:142 Resp: 60363

Ion Ratio Lower Upper

142 100

141 87.2 70.9 106.3

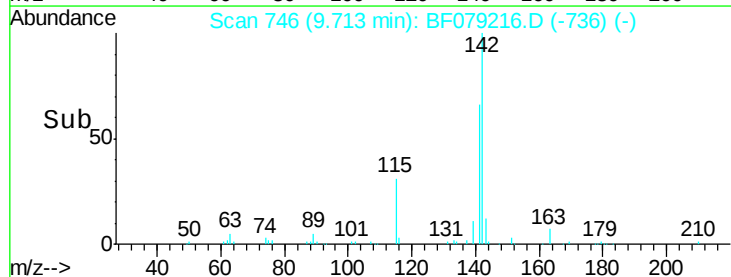
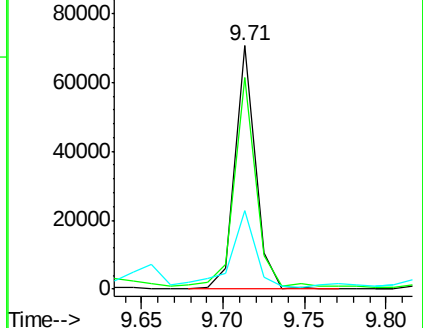
115 32.3 28.5 42.7

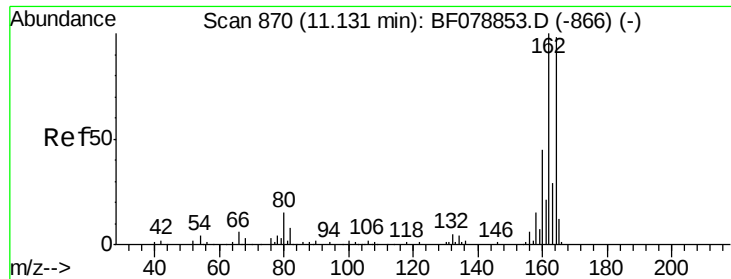


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.98 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

Instrument :

BNA_F

ClientSampleId :

LAR9795RE

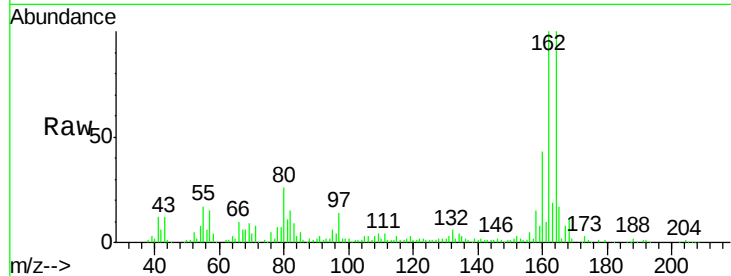
Tgt Ion:164 Resp: 131473

Ion Ratio Lower Upper

164 100

162 100.4 82.7 124.1

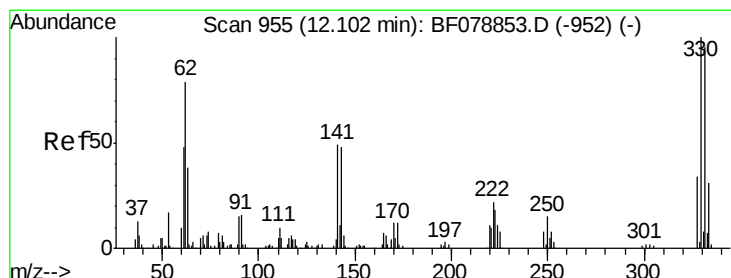
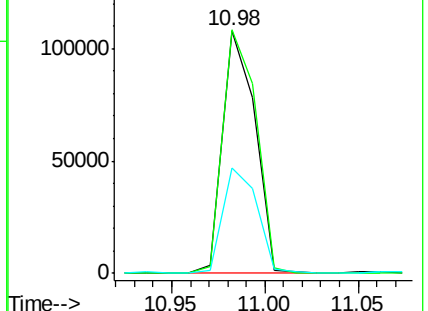
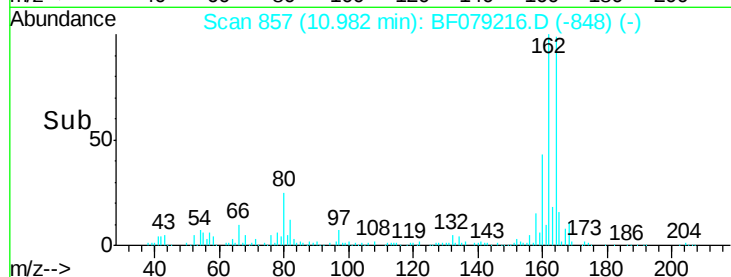
160 43.3 35.8 53.8



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: 11.71 ng

RT: 11.96 min Scan# 943

Delta R.T. 0.00 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

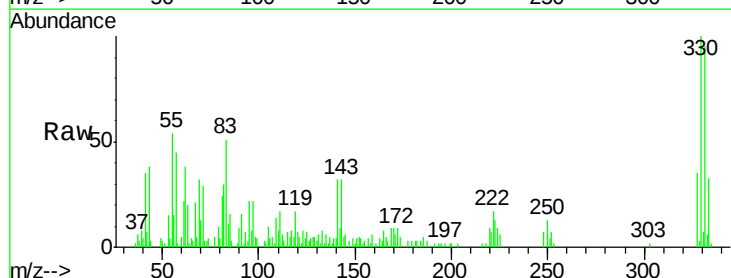
Tgt Ion:330 Resp: 16661

Ion Ratio Lower Upper

330 100

332 94.4 0.0 0.0#

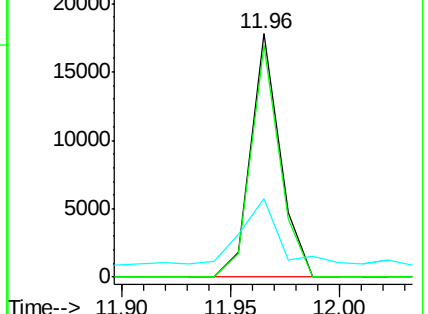
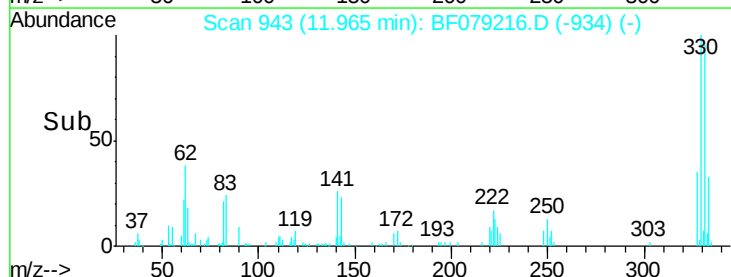
141 33.2 0.0 0.0#

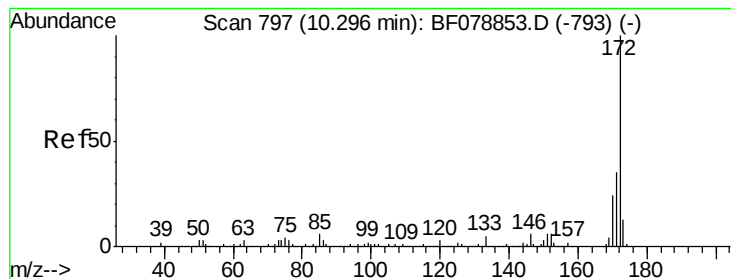


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

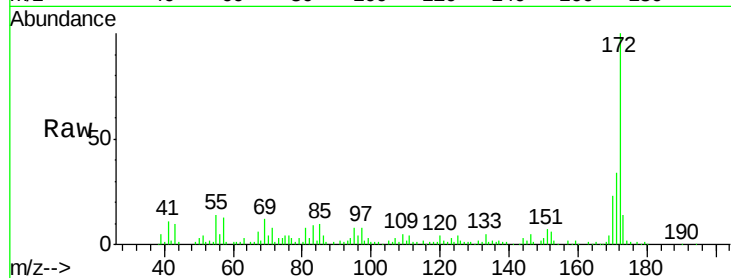




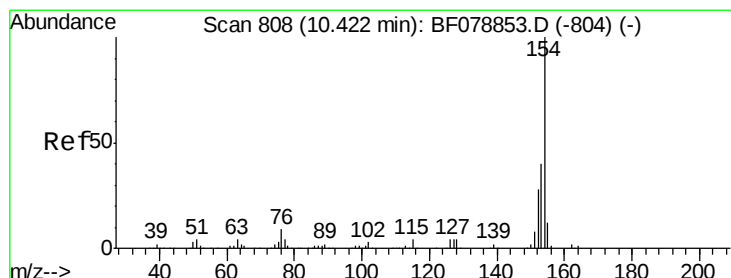
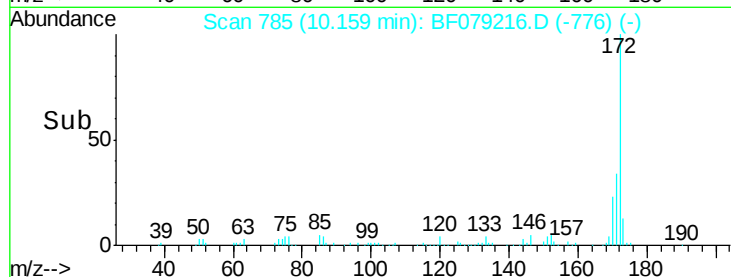
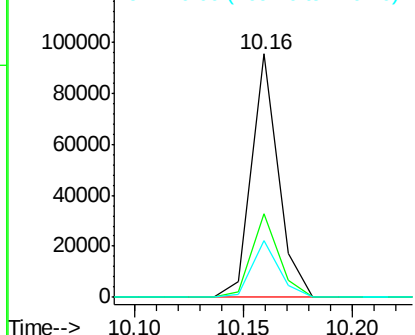
#44
 2-Fluorobiphenyl
 Concen: 8.64 ng
 RT: 10.16 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: BF079216.D
 Acq: 14 May 2015 1:59

Instrument :
 BNA_F
 ClientSampleId :
 LAR9795RE

Tgt Ion:172 Resp: 81561
 Ion Ratio Lower Upper
 172 100
 171 34.1 27.9 41.9
 170 23.1 19.4 29.0

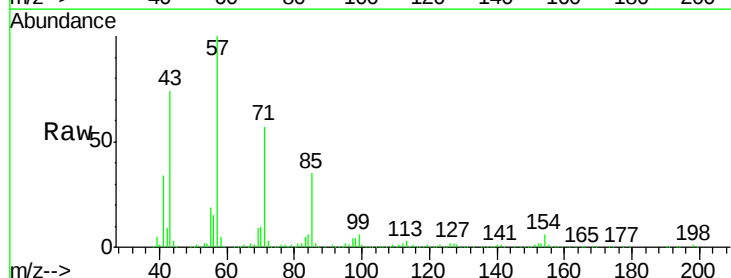


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

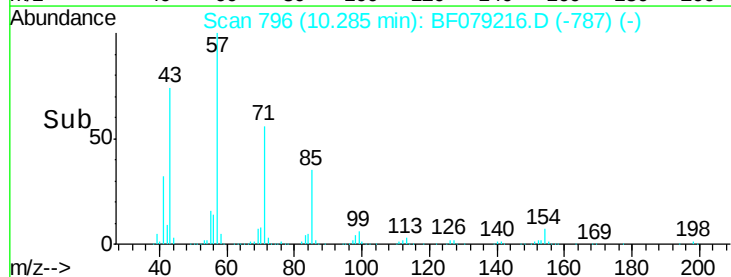
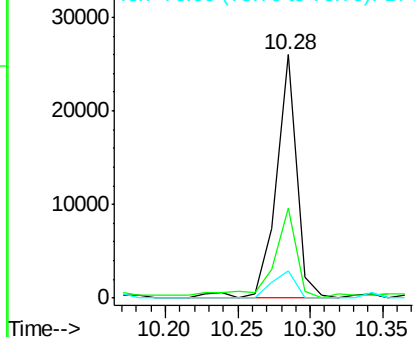


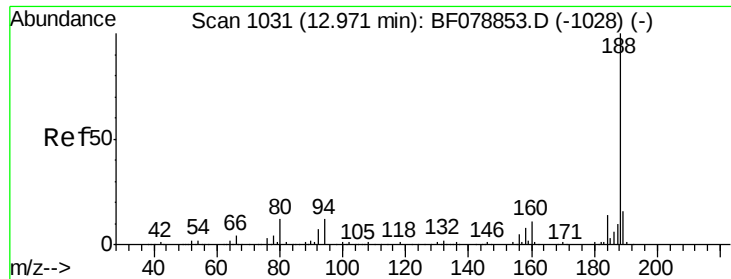
#45
 1,1'-Biphenyl
 Concen: 2.46 ng
 RT: 10.28 min Scan# 796
 Delta R.T. 0.00 min
 Lab File: BF079216.D
 Acq: 14 May 2015 1:59

Tgt Ion:154 Resp: 25674
 Ion Ratio Lower Upper
 154 100
 153 36.8 19.9 59.9
 76 11.1 0.0 35.0



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): BF0

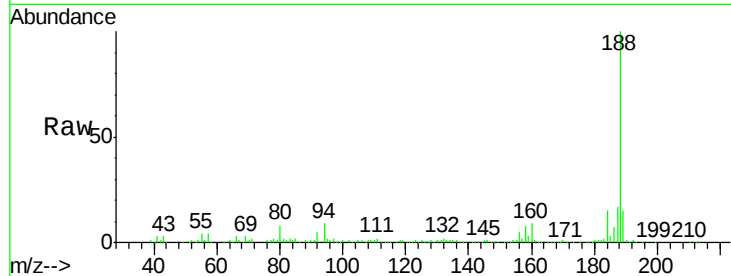




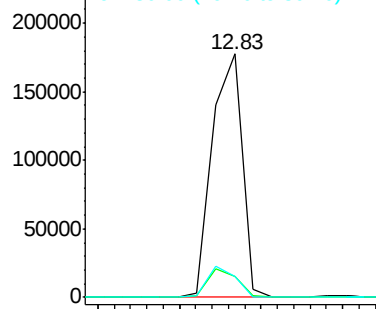
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.83 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BF079216.D
Acq: 14 May 2015 1:59

Instrument :
BNA_F
ClientSampleId :
LAR9795RE

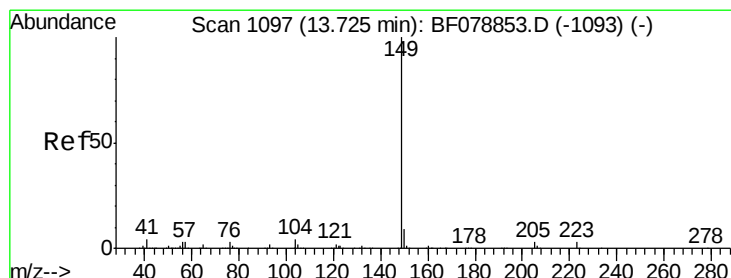
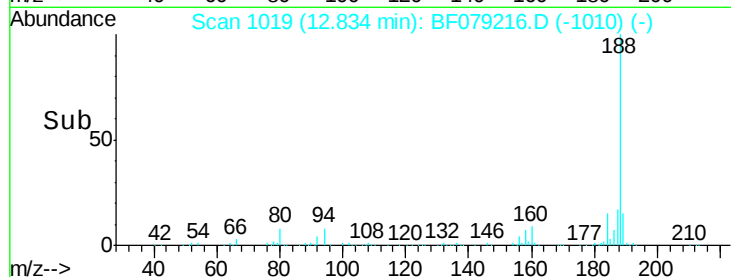
Tgt Ion:188 Resp: 225544
Ion Ratio Lower Upper
188 100
94 8.5 8.2 12.2
80 8.4 8.9 13.3#



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

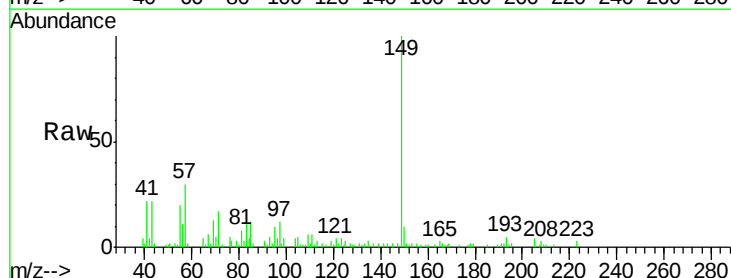


Time--> 12.75 12.80 12.85 12.90

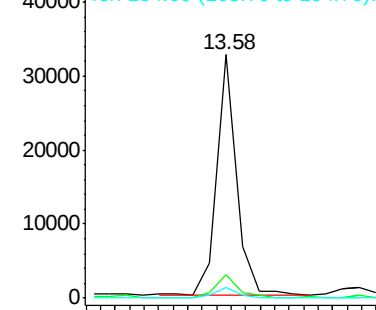


#73
Di-n-butylphthalate
Concen: 2.14 ng
RT: 13.58 min Scan# 1084
Delta R.T. 0.00 min
Lab File: BF079216.D
Acq: 14 May 2015 1:59

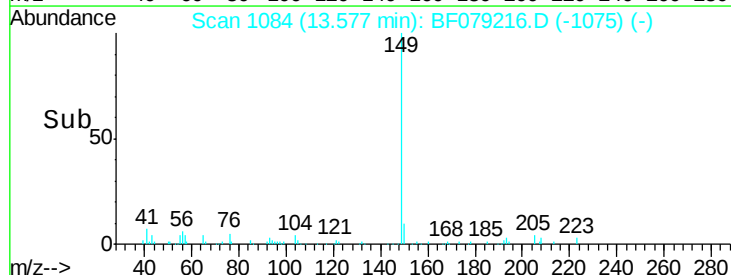
Tgt Ion:149 Resp: 30211
Ion Ratio Lower Upper
149 100
150 9.7 7.7 11.5
104 4.3 4.6 7.0#

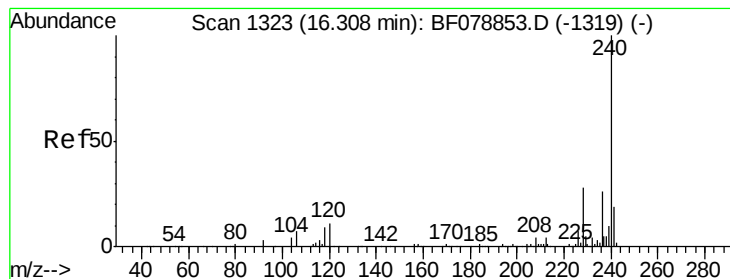


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



Time--> 13.50 13.55 13.60 13.65





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.11 min Scan# 1306

Delta R.T. -0.05 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

Instrument :

BNA_F

ClientSampleId :

LAR9795RE

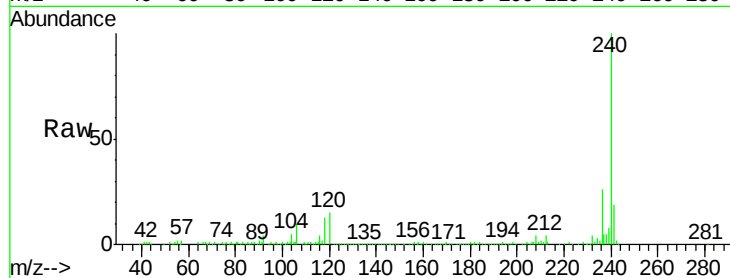
Tgt Ion:240 Resp: 242781

Ion Ratio Lower Upper

240 100

120 14.8 9.7 14.5#

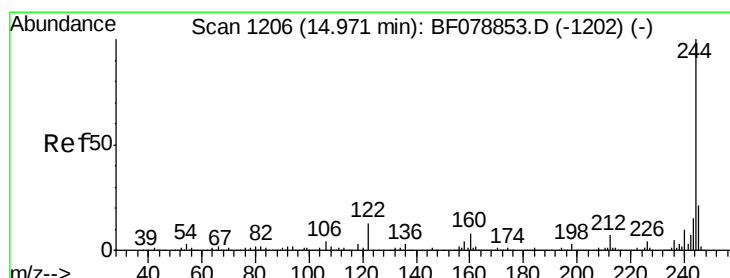
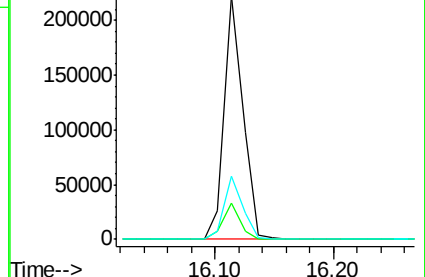
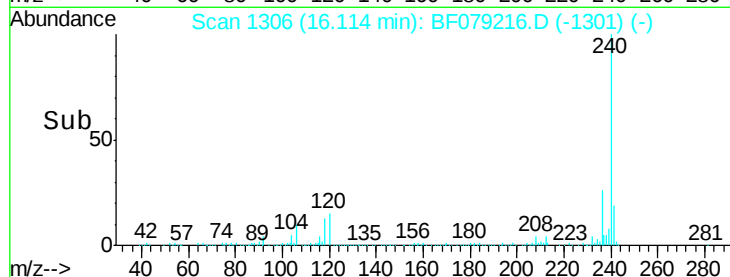
236 26.0 20.2 30.4



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: 9.11 ng

RT: 14.82 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BF079216.D

Acq: 14 May 2015 1:59

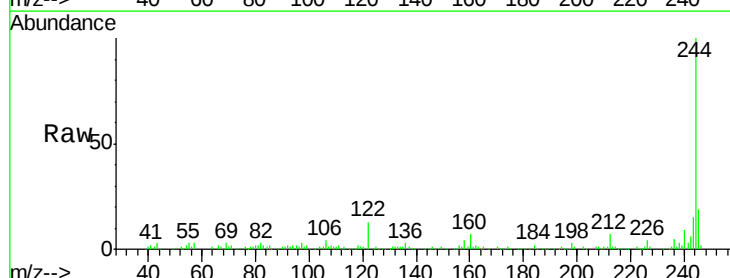
Tgt Ion:244 Resp: 92347

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

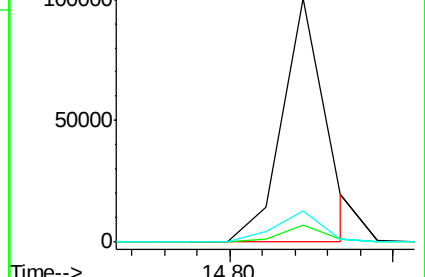
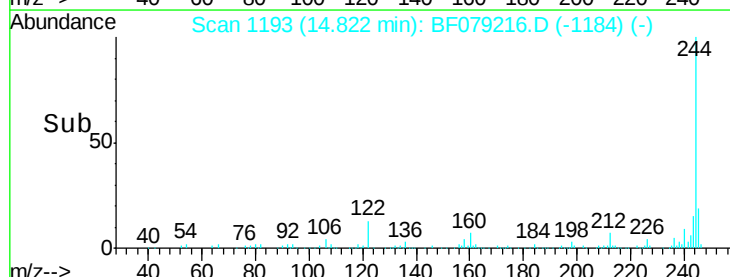
122 12.6 10.3 15.5

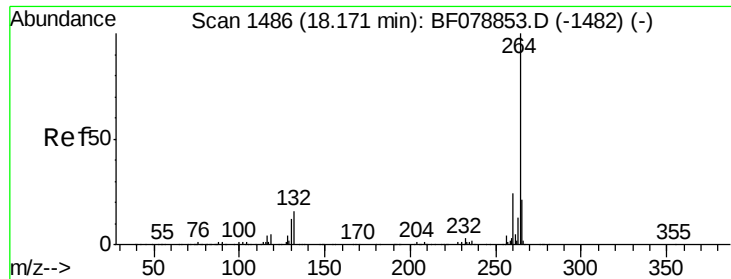


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

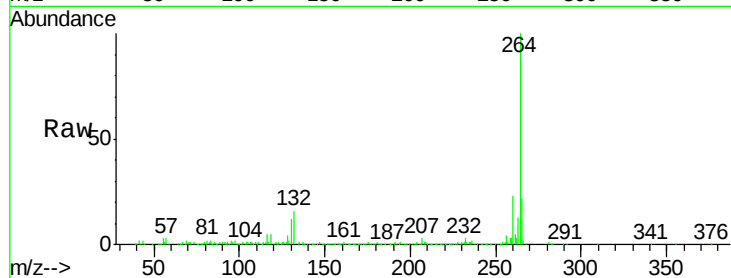




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.83 min Scan# 1456
Delta R.T. -0.19 min
Lab File: BF079216.D
Acq: 14 May 2015 1:59

Instrument :
BNA_F
ClientSampleId :
LAR9795RE

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.2
265	21.5	18.3	27.5



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

