

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051315\
 Data File : BF079218.D
 Acq On : 14 May 2015 2:57
 Operator : TP/IZ
 Sample : G2201-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUMP1

Quant Time: May 14 04:48:54 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	7.23	152	57072	20.00	ng	0.00
21) Naphthalene-d8	8.82	136	86723	20.00	ng	0.01
38) Acenaphthene-d10	0.00	164	0	0.00	ng	-10.98
63) Phenanthrene-d10	0.00	188	0	0.00	ng	-12.83
75) Chrysene-d12	16.14	240	189588	20.00	ng	-0.02
86) Perylene-d12	17.79	264	220463	20.00	ng	-0.23

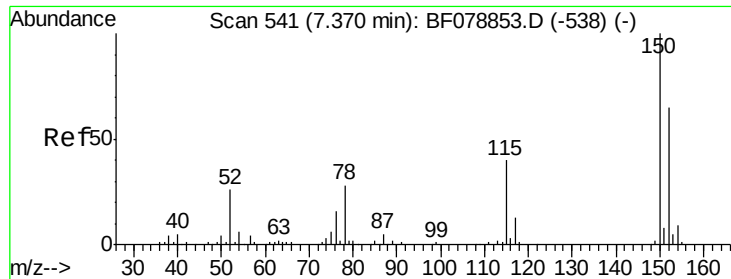
System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	190377	57.42	ng	0.00
7) Phenol-d6	6.80	99	166571	38.01	ng	0.00
23) Nitrobenzene-d5	7.93	82	364370	241.47	ng	0.00
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
78) Terphenyl-d14	0.00	244	0	0.00	ng	

Target Compounds

						Qvalue
9) Benzaldehyde	6.65	77	11826	4.01	ng	# 1
15) Benzyl Alcohol	7.42	79	6712	2.06	ng	# 46
17) 2-Methylphenol	7.59	107	7119	2.35	ng	# 1
18) Hexachloroethane	7.85	117	121179	80.88	ng	# 1
19) n-Nitroso-di-n-propylamine	7.74	70	50633	17.11	ng	# 62
22) Acetophenone	7.72	105	312791	159.64	ng	# 46
24) Nitrobenzene	7.91	77	188967	126.34	ng	# 27
25) Isophorone	8.23	82	167768	59.97	ng	# 1
26) 2-Nitrophenol	8.30	139	4492	7.26	ng	# 1
27) 2,4-Dimethylphenol	8.39	122	4046	3.27	ng	# 1
28) bis(2-Chloroethoxy)methane	8.57	93	39228	22.75	ng	# 1
29) 2,4-Dichlorophenol	8.67	162	26131	23.72	ng	# 1
30) 1,2,4-Trichlorobenzene	8.78	180	3842	3.18	ng	# 49
31) Naphthalene	8.86	128	589005	142.54	ng	# 3
35) Caprolactam	9.31	113	7857	22.06	ng	# 1
36) 4-Chloro-3-methylphenol	9.56	107	9707	8.39	ng	# 47
80) Benzo(a)anthracene	16.17	228	29745	2.87	ng	# 1
82) Chrysene	16.17	228	31258	3.13	ng	# 1
83) Bis(2-ethylhexyl)phthalate	16.17	149	288546	39.89	ng	# 97
84) Di-n-octyl phthalate	16.97	149	176905	13.89	ng	# 100

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.23 min Scan# 529

Delta R.T. 0.00 min

Lab File: BF079218.D

Acq: 14 May 2015 2:57

Instrument :

BNA_F

ClientSampleId :

SUMP1

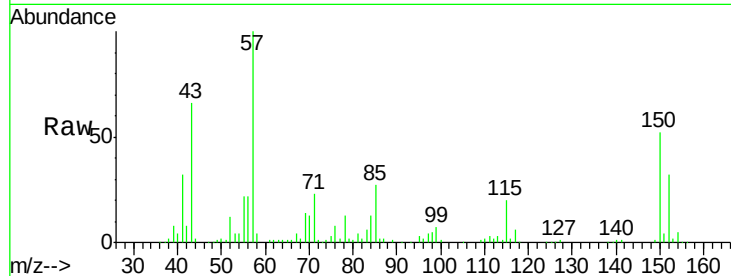
Tgt Ion:152 Resp: 57072

Ion Ratio Lower Upper

152 100

150 162.8 122.0 183.0

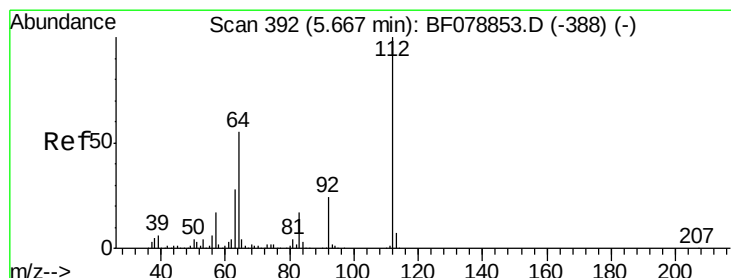
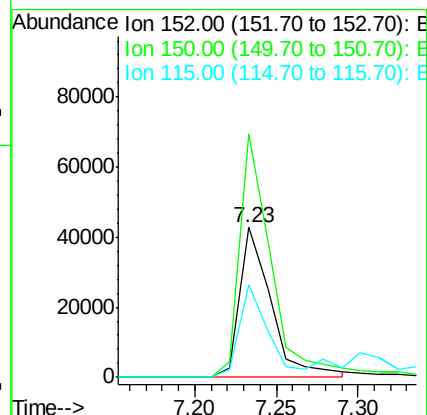
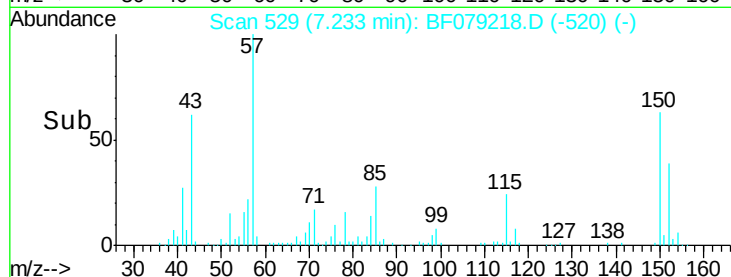
115 62.1 46.3 69.5



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: 57.42 ng

RT: 5.53 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF079218.D

Acq: 14 May 2015 2:57

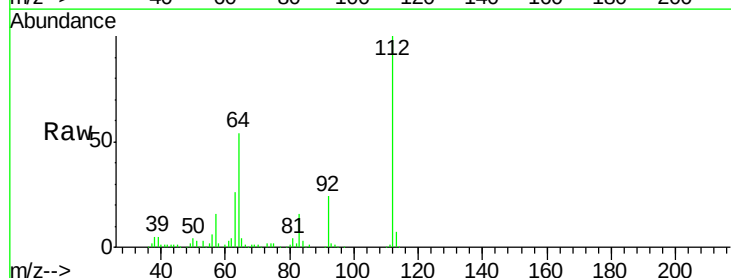
Tgt Ion:112 Resp: 190377

Ion Ratio Lower Upper

112 100

64 53.5 53.5 80.3#

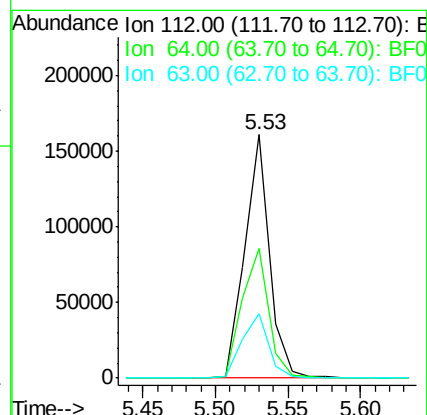
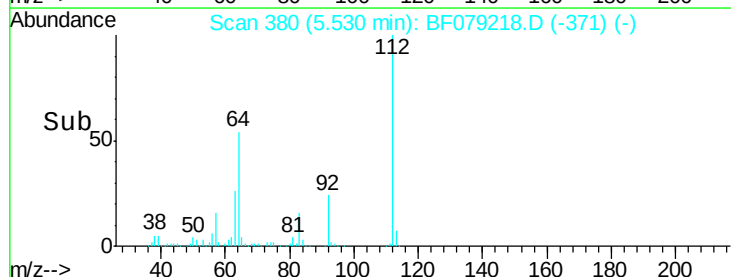
63 26.2 27.5 41.3#

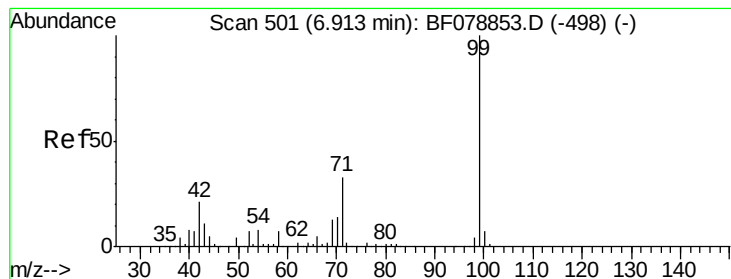


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 38.01 ng

RT: 6.80 min Scan# 491

Delta R.T. 0.00 min

Lab File: BF079218.D

Acq: 14 May 2015 2:57

Instrument :

BNA_F

ClientSampleId :

SUMP1

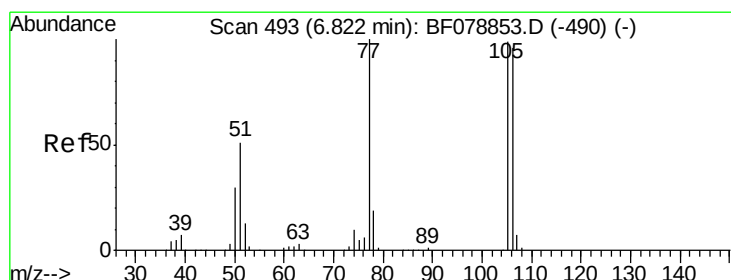
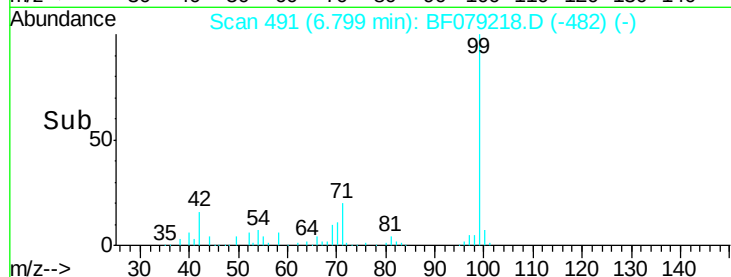
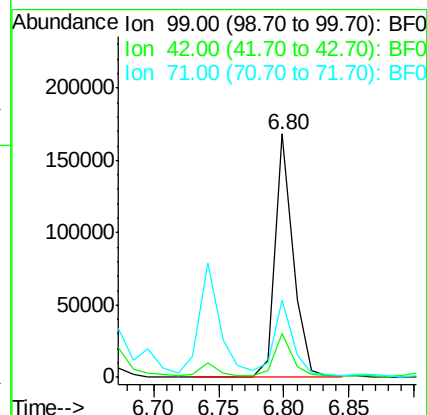
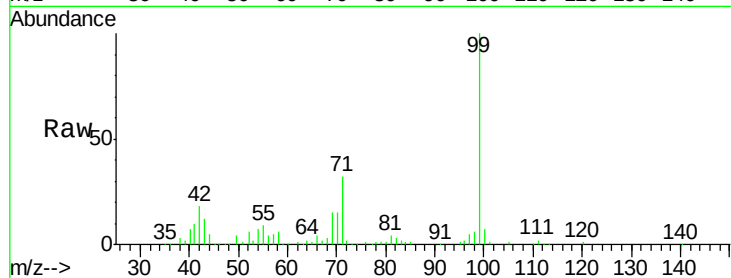
Tgt Ion: 99 Resp: 166571

Ion Ratio Lower Upper

99 100

42 17.9 12.8 19.2

71 31.7 23.4 35.2



#9

Benzaldehyde

Concen: 4.01 ng

RT: 6.65 min Scan# 478

Delta R.T. -0.03 min

Lab File: BF079218.D

Acq: 14 May 2015 2:57

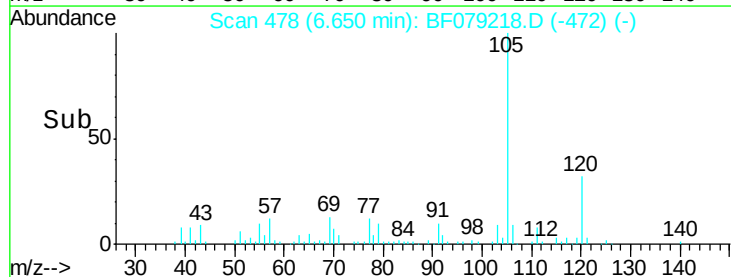
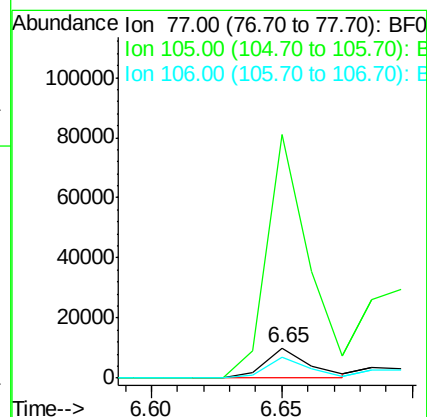
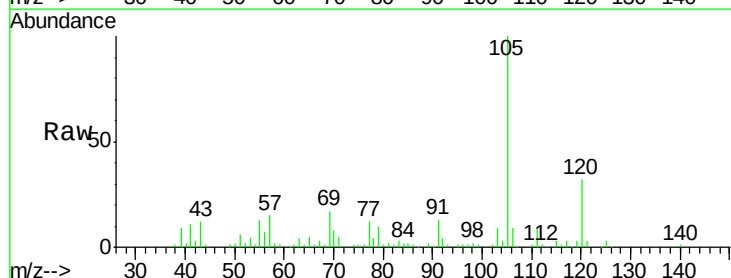
Tgt Ion: 77 Resp: 11826

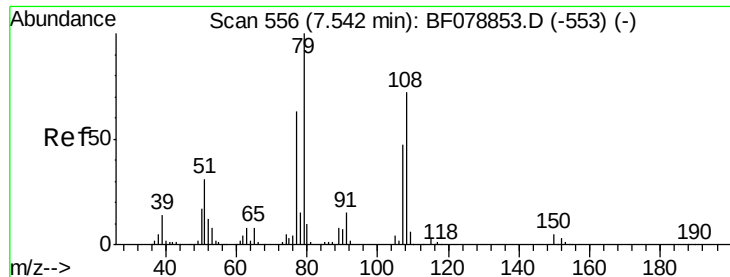
Ion Ratio Lower Upper

77 100

105 815.6 81.7 121.7#

106 72.1 79.0 119.0#





#15

Benzyl Alcohol

Concen: 2.06 ng

RT: 7.42 min Scan# 545

Delta R.T. 0.00 min

Lab File: BF079218.D

Acq: 14 May 2015 2:57

Instrument :

BNA_F

ClientSampleId :

SUMP1

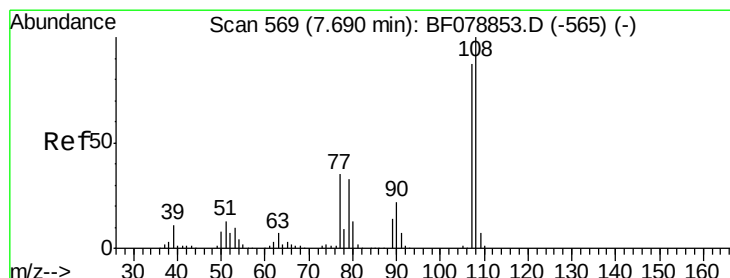
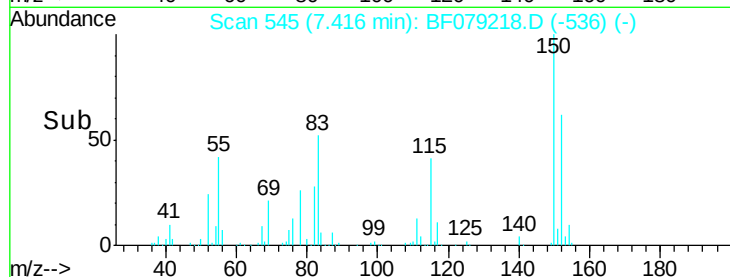
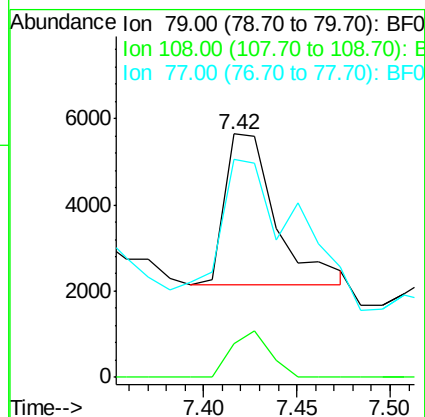
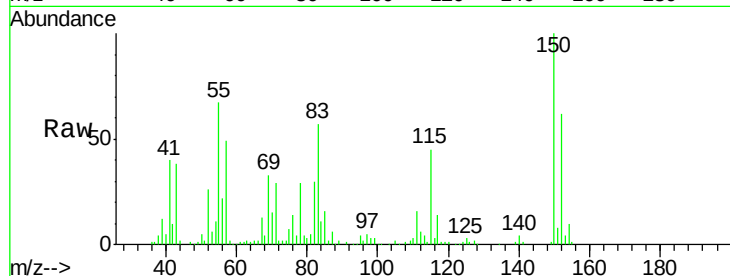
Tgt Ion: 79 Resp: 6712

Ion Ratio Lower Upper

79 100

108 14.0 62.5 93.7#

77 89.7 52.2 78.4#



#17

2-Methylphenol

Concen: 2.35 ng

RT: 7.59 min Scan# 560

Delta R.T. 0.02 min

Lab File: BF079218.D

Acq: 14 May 2015 2:57

Tgt Ion: 107 Resp: 7119

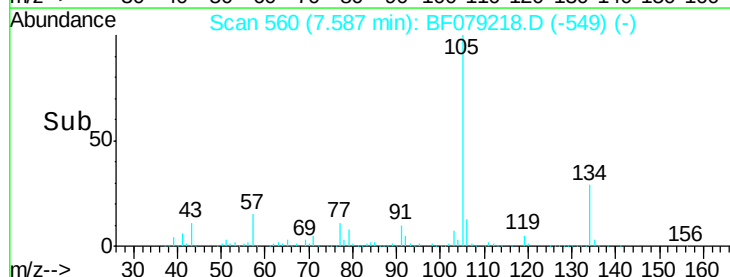
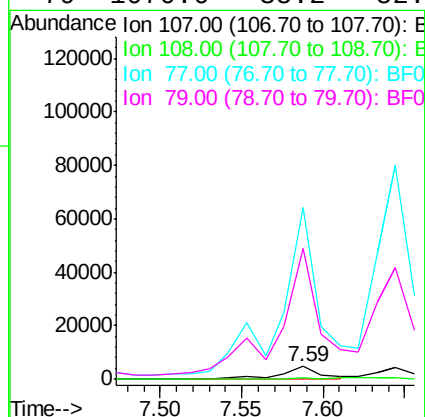
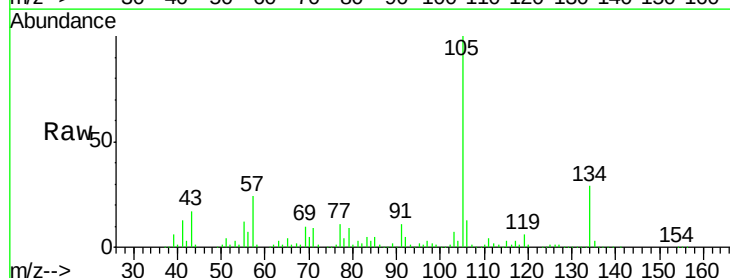
Ion Ratio Lower Upper

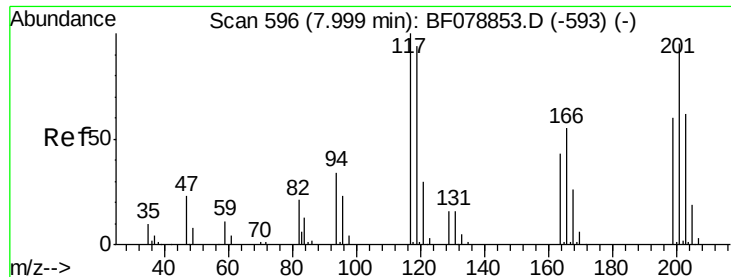
107 100

108 6.8 94.9 142.3#

77 1404.9 36.2 54.4#

79 1070.6 35.2 52.8#

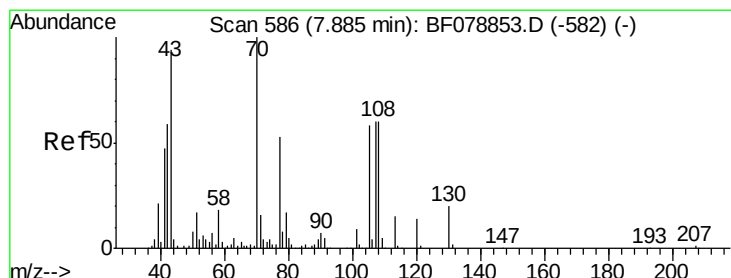
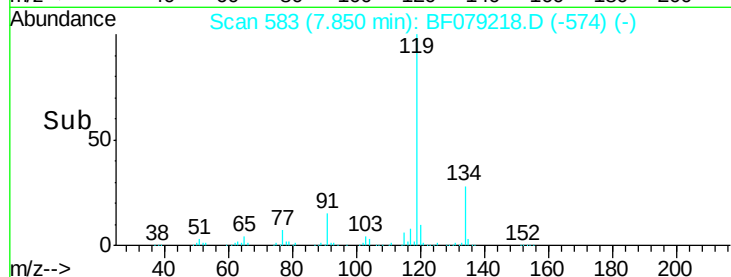
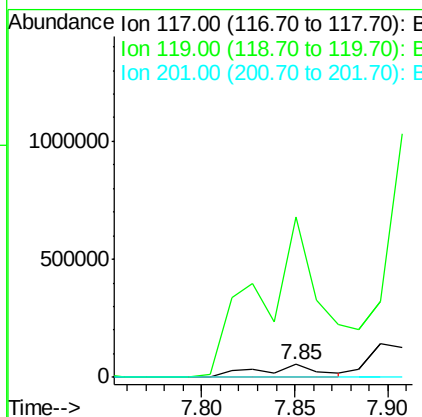
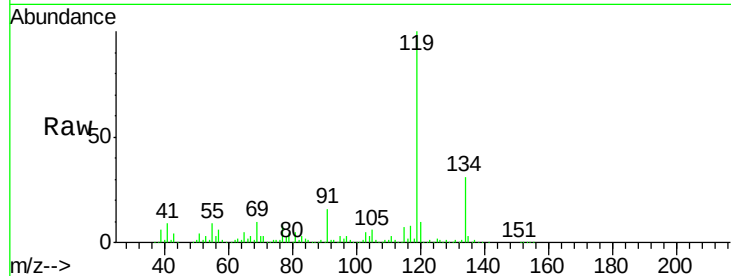




#18
Hexachloroethane
Concen: 80.88 ng
RT: 7.85 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF079218.D
Acq: 14 May 2015 2:57

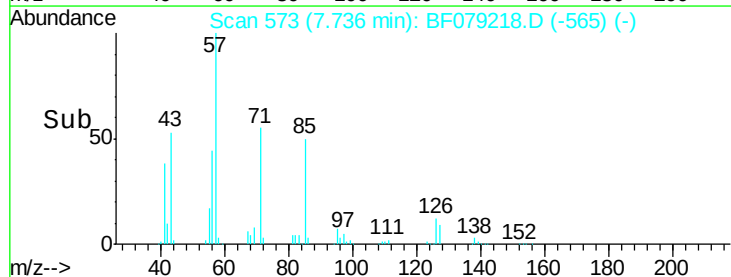
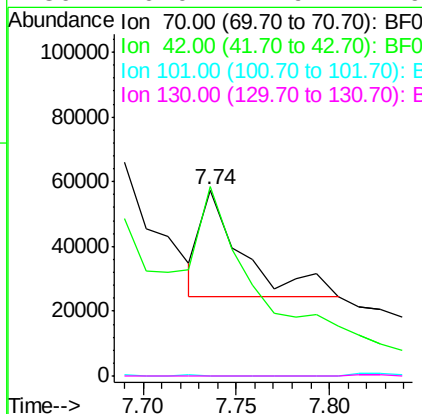
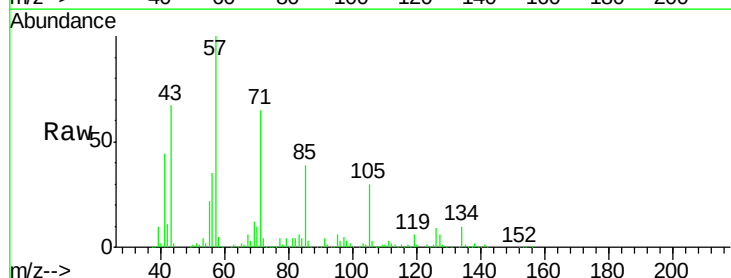
Instrument :
BNA_F
ClientSampleId :
SUMP1

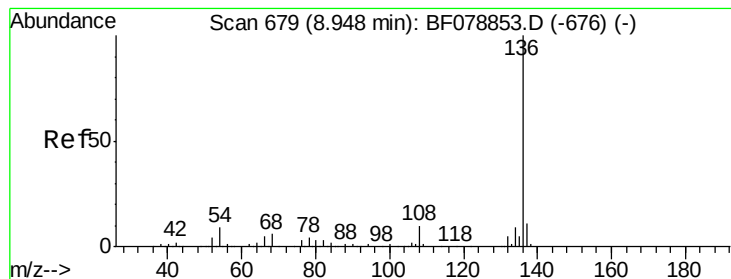
Tgt Ion: 117 Resp: 121179
Ion Ratio Lower Upper
117 100
119 1264.8 75.4 113.0#
201 0.0 83.2 124.8#



#19
n-Nitroso-di-n-propylamine
Concen: 17.11 ng
RT: 7.74 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF079218.D
Acq: 14 May 2015 2:57

Tgt Ion: 70 Resp: 50633
Ion Ratio Lower Upper
70 100
42 101.7 55.4 83.0#
101 0.0 6.6 10.0#
130 0.0 11.9 17.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.82 min Scan# 668

Delta R.T. 0.01 min

Lab File: BF079218.D

Acq: 14 May 2015 2:57

Instrument :

BNA_F

ClientSampleId :

SUMP1

Tgt Ion:136 Resp: 86723

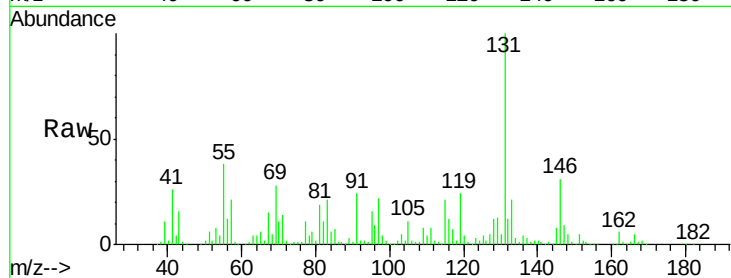
Ion Ratio Lower Upper

136 100

137 64.7 8.7 13.1#

54 89.8 5.8 8.8#

68 119.6 4.2 6.4#

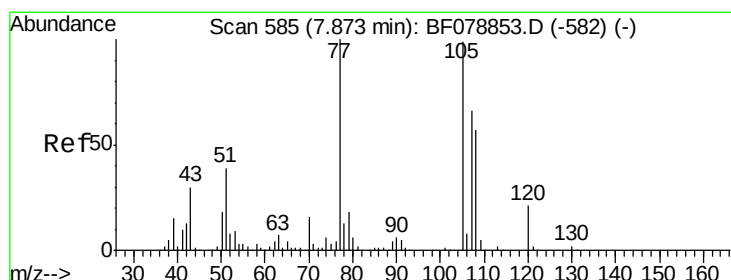
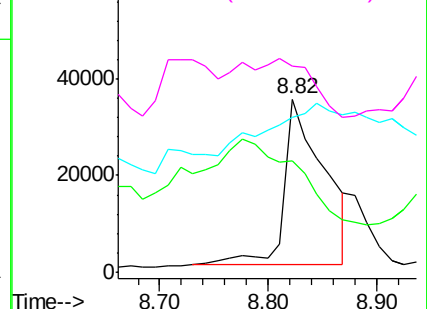
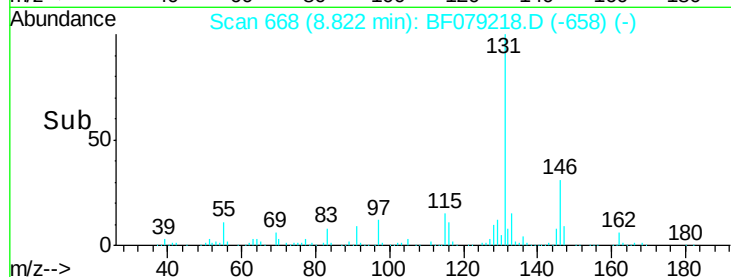


Abundance Ion 136.00 (135.70 to 136.70): E

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: 159.64 ng

RT: 7.72 min Scan# 572

Delta R.T. -0.02 min

Lab File: BF079218.D

Acq: 14 May 2015 2:57

Tgt Ion:105 Resp: 312791

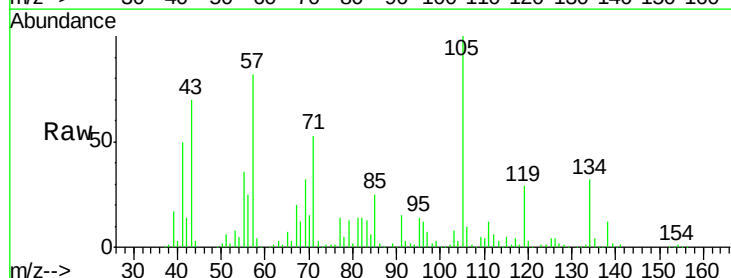
Ion Ratio Lower Upper

105 100

71 53.4 4.6 6.8#

51 5.9 26.7 40.1#

120 2.8 17.4 26.0#

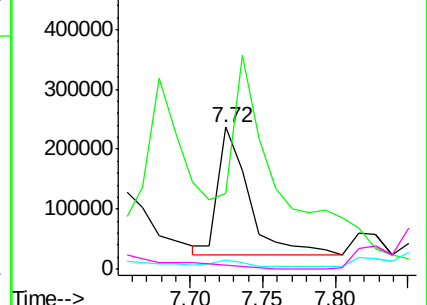
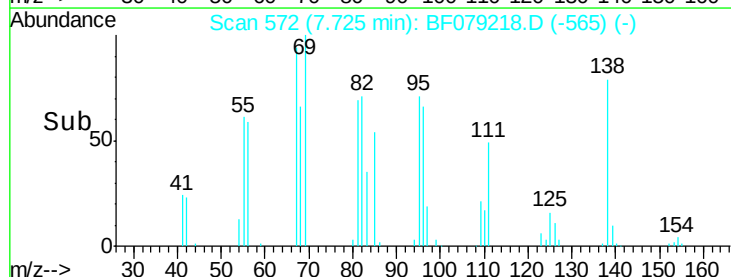


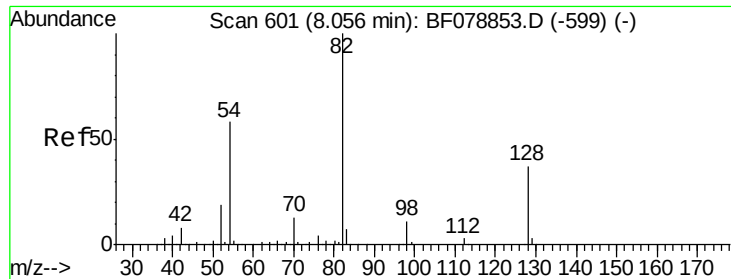
Abundance Ion 105.00 (104.70 to 105.70): E

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

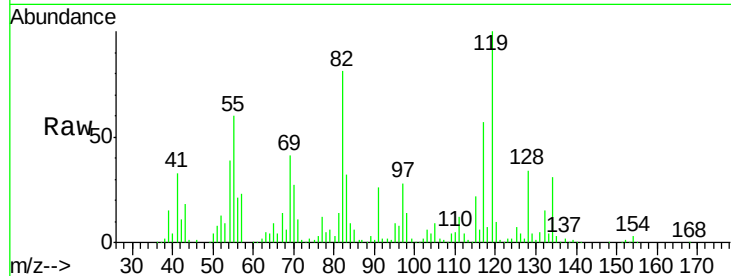




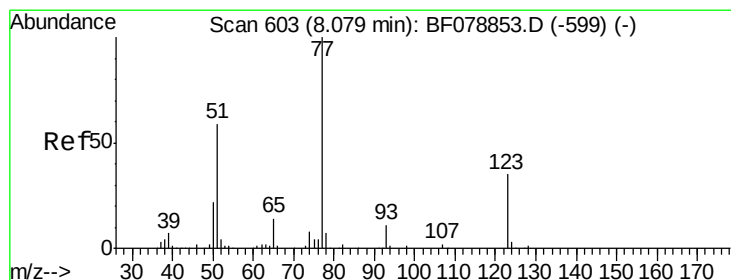
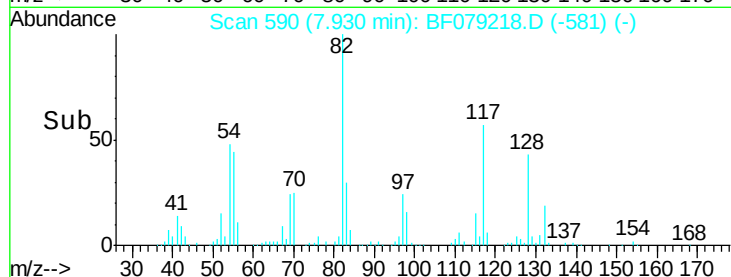
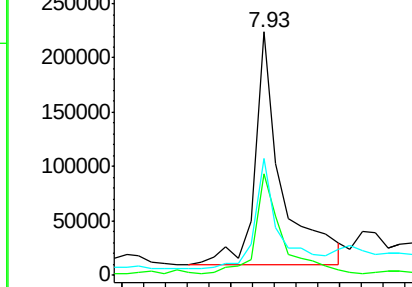
#23
 Nitrobenzene-d5
 Concen: 241.47 ng
 RT: 7.93 min Scan# 590
 Delta R.T. 0.00 min
 Lab File: BF079218.D
 Acq: 14 May 2015 2:57

Instrument :
 BNA_F
 ClientSampleID :
 SUMP1

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.9	30.0	45.0
54	48.0	46.4	69.6

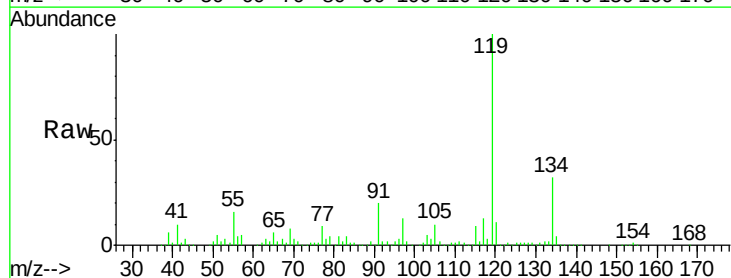


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

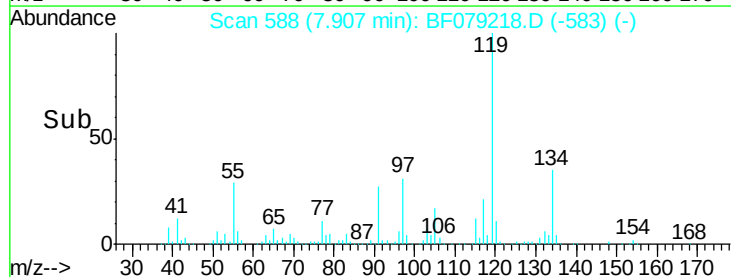
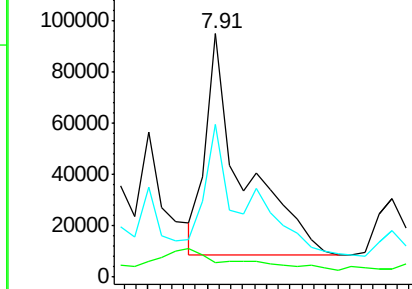


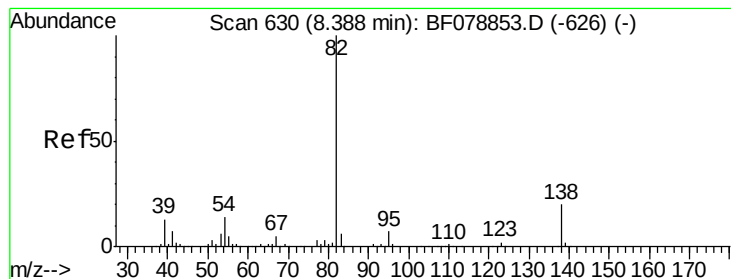
#24
 Nitrobenzene
 Concen: 126.34 ng
 RT: 7.91 min Scan# 588
 Delta R.T. -0.05 min
 Lab File: BF079218.D
 Acq: 14 May 2015 2:57

Tgt Ion	Ratio	Lower	Upper
77	100		
123	5.7	31.8	47.8#
65	62.9	10.6	15.8#



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 59.97 ng

RT: 8.23 min Scan# 616

Delta R.T. -0.02 min

Lab File: BF079218.D

Acq: 14 May 2015 2:57

Instrument :

BNA_F

ClientSampleId :

SUMP1

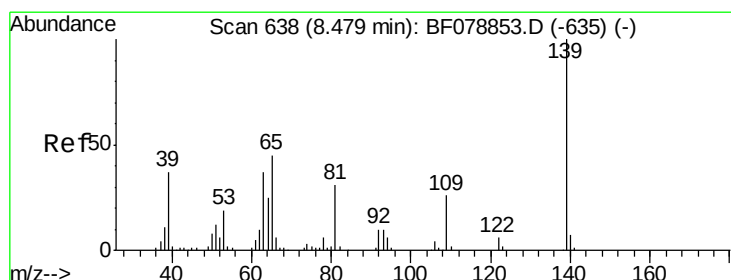
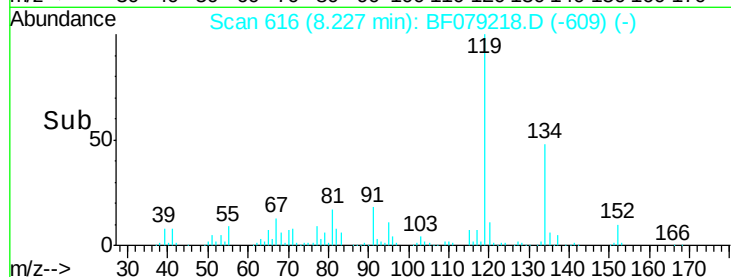
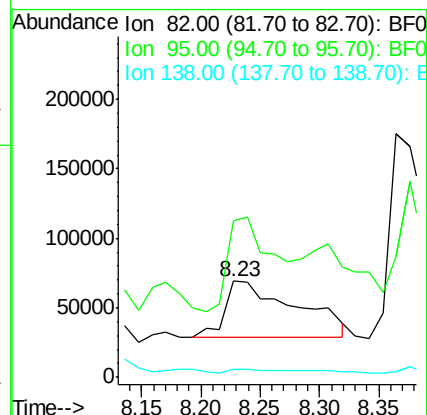
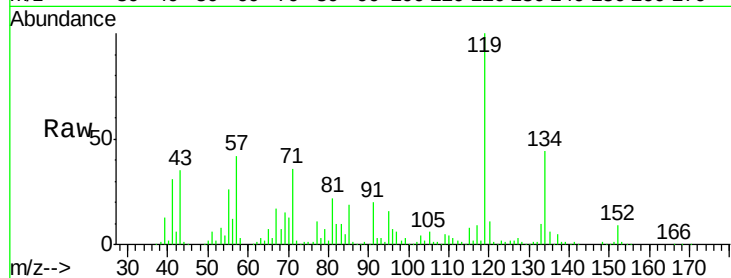
Tgt Ion: 82 Resp: 167768

Ion Ratio Lower Upper

82 100

95 163.7 5.3 7.9#

138 8.4 12.0 18.0#



#26

2-Nitrophenol

Concen: 7.26 ng

RT: 8.30 min Scan# 622

Delta R.T. -0.05 min

Lab File: BF079218.D

Acq: 14 May 2015 2:57

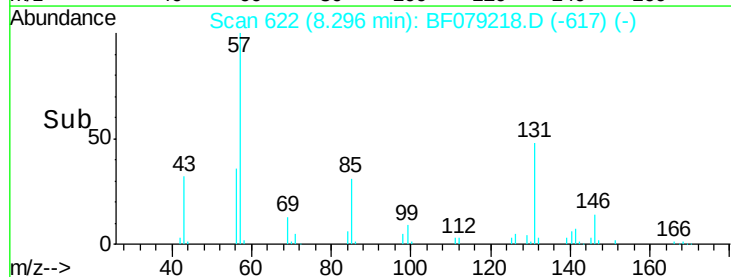
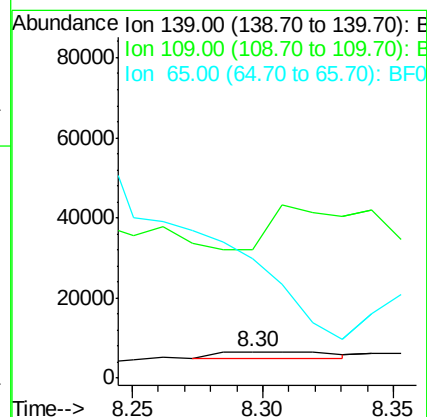
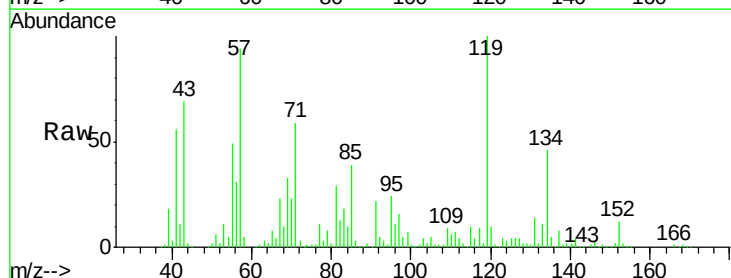
Tgt Ion: 139 Resp: 4492

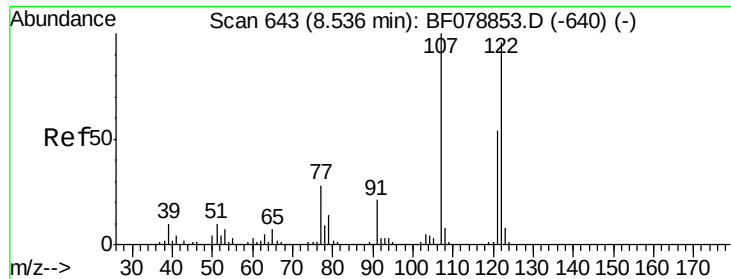
Ion Ratio Lower Upper

139 100

109 486.9 21.0 31.4#

65 452.2 30.5 45.7#





#27

2,4-Dimethylphenol

Concen: 3.27 ng

RT: 8.39 min Scan# 630

Delta R.T. -0.02 min

Lab File: BF079218.D

Acq: 14 May 2015 2:57

Instrument :

BNA_F

ClientSampled :

SUMP1

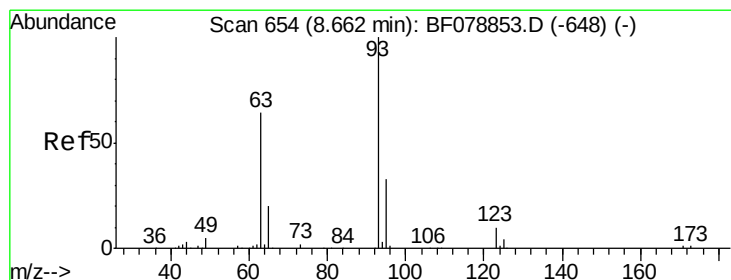
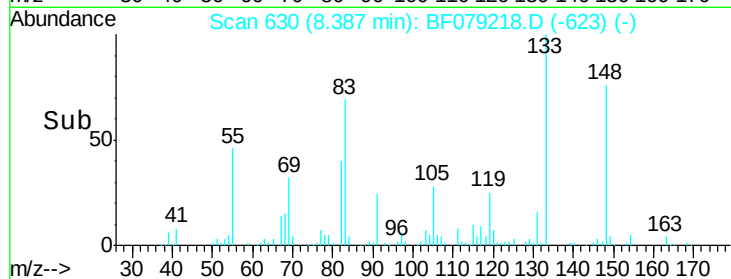
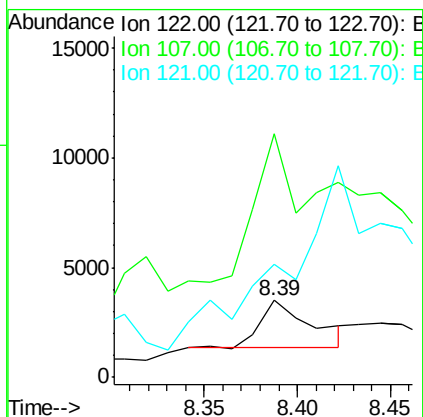
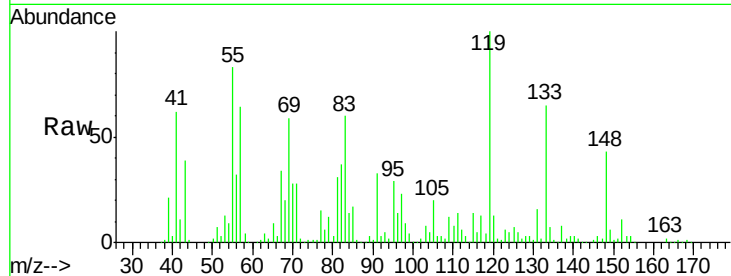
Tgt Ion:122 Resp: 4046

Ion Ratio Lower Upper

122 100

107 317.1 90.6 135.8#

121 146.5 45.4 68.2#



#28

bis(2-Chloroethoxy)methane

Concen: 22.75 ng

RT: 8.57 min Scan# 646

Delta R.T. 0.03 min

Lab File: BF079218.D

Acq: 14 May 2015 2:57

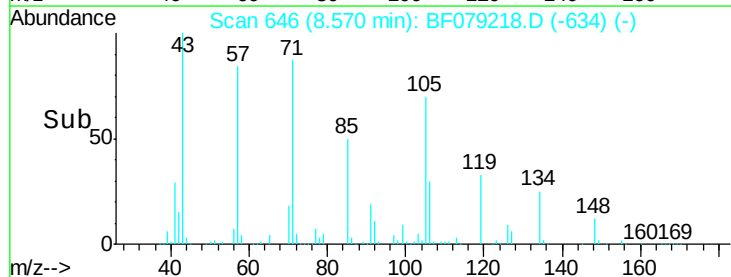
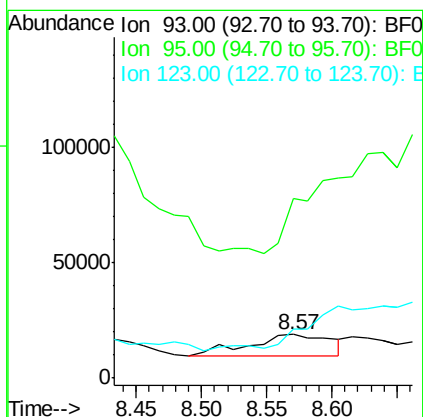
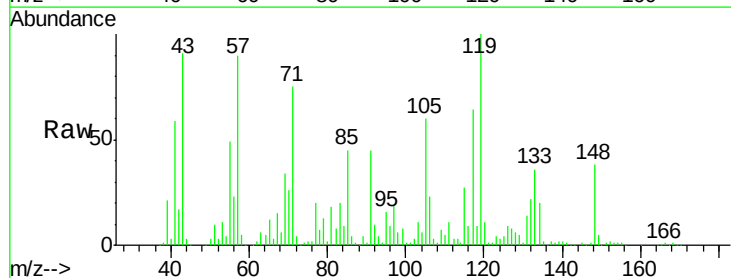
Tgt Ion: 93 Resp: 39228

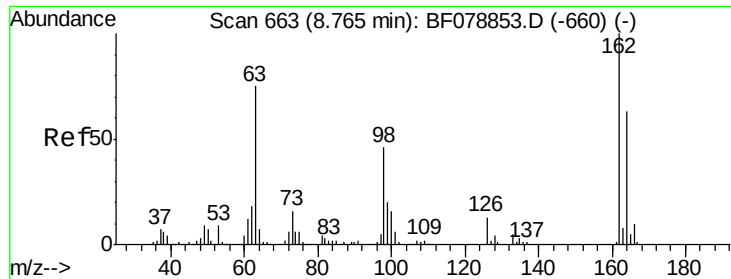
Ion Ratio Lower Upper

93 100

95 410.6 26.7 40.1#

123 113.1 9.1 13.7#





#29

2,4-Dichlorophenol

Concen: 23.72 ng

RT: 8.67 min Scan# 655

Delta R.T. 0.03 min

Lab File: BF079218.D

Acq: 14 May 2015 2:57

Instrument :

BNA_F

ClientSampleId :

SUMP1

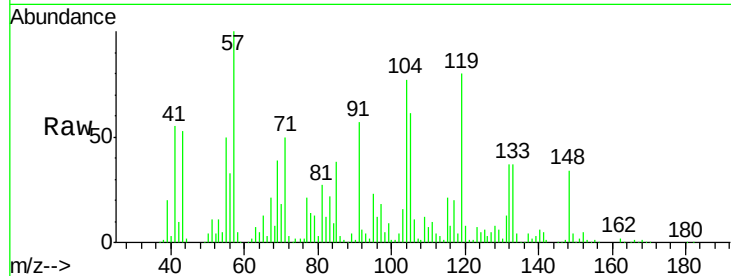
Tgt Ion:162 Resp: 26131

Ion Ratio Lower Upper

162 100

164 0.0 43.6 83.6#

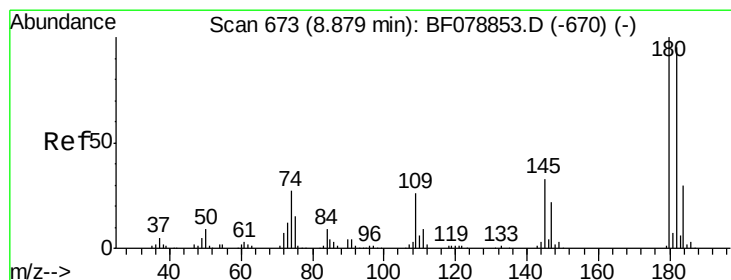
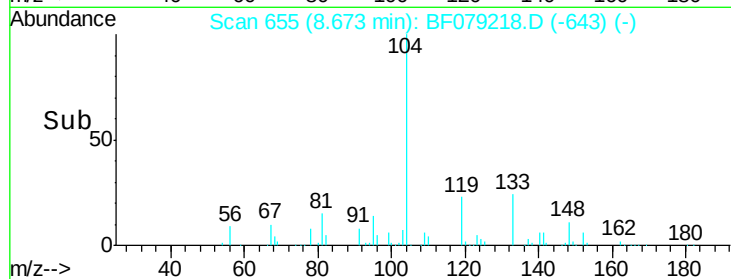
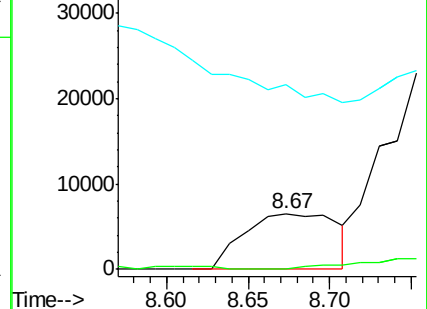
98 329.2 16.5 56.5#



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 3.18 ng

RT: 8.78 min Scan# 664

Delta R.T. 0.03 min

Lab File: BF079218.D

Acq: 14 May 2015 2:57

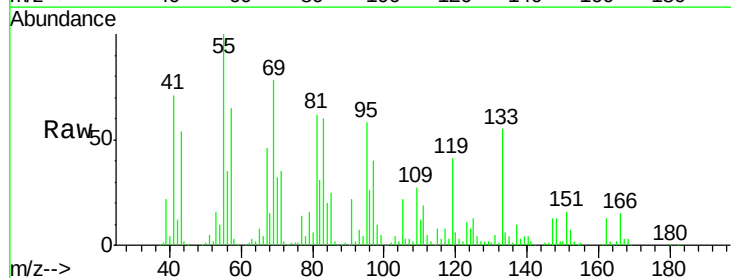
Tgt Ion:180 Resp: 3842

Ion Ratio Lower Upper

180 100

182 98.9 78.9 118.3

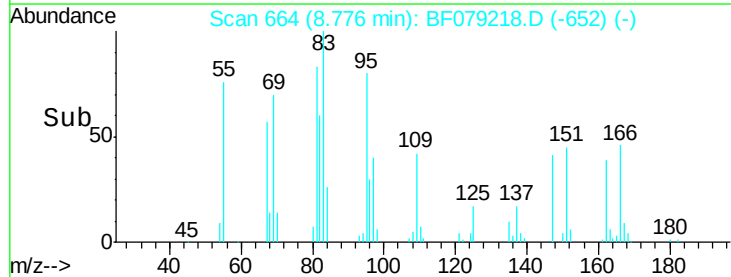
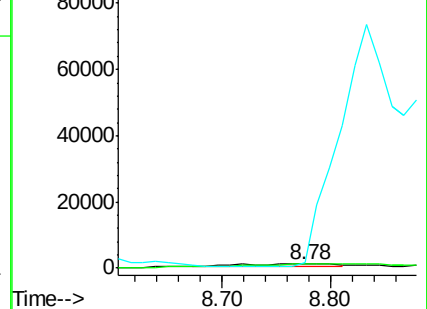
145 146.8 24.2 36.4#

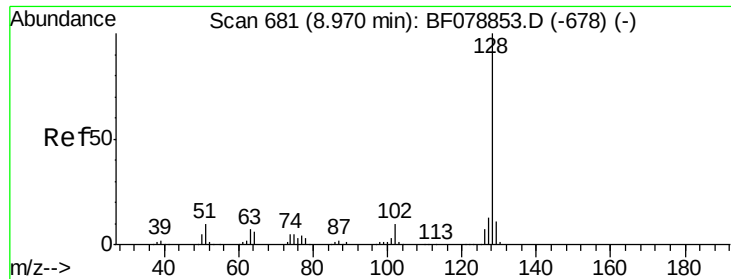


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

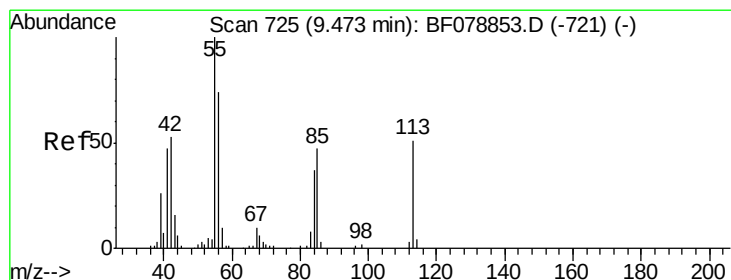
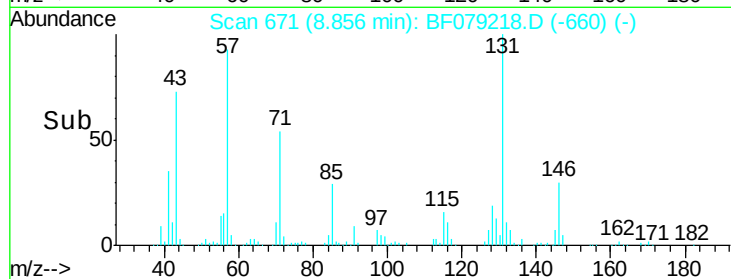
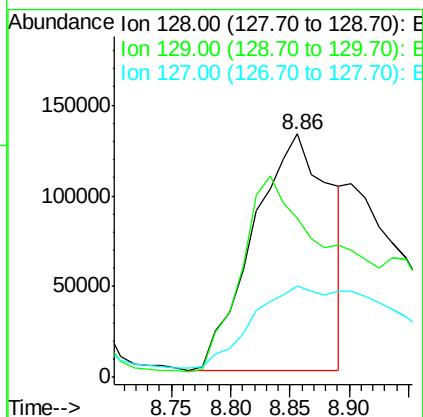
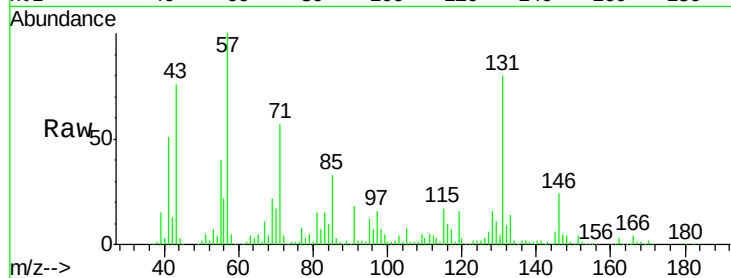




#31
Naphthalene
Concen: 142.54 ng
RT: 8.86 min Scan# 671
Delta R.T. 0.02 min
Lab File: BF079218.D
Acq: 14 May 2015 2:57

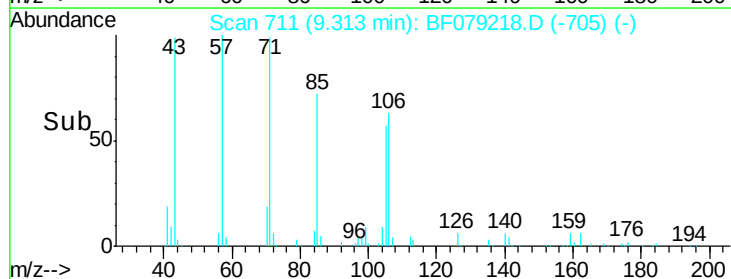
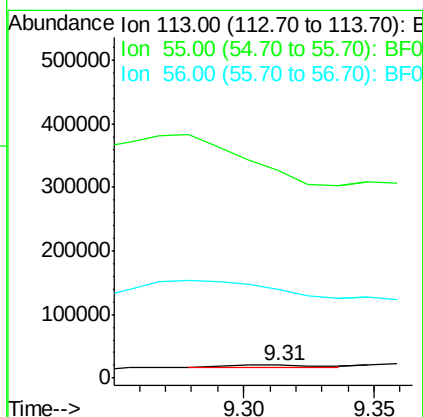
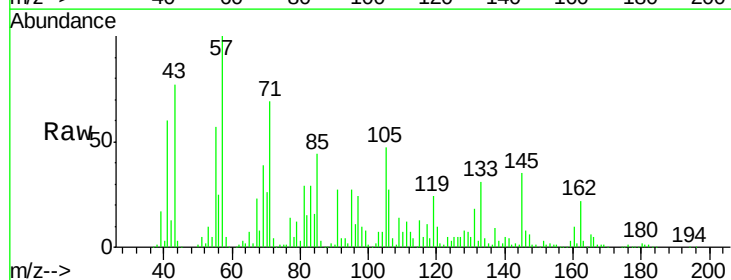
Instrument :
BNA_F
ClientSampleId :
SUMP1

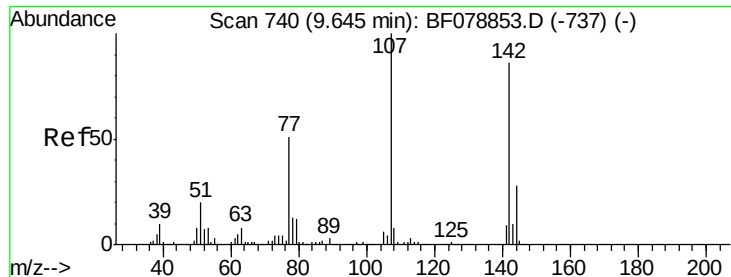
Tgt Ion:128 Resp: 589005
Ion Ratio Lower Upper
128 100
129 65.4 9.3 13.9#
127 37.7 10.7 16.1#



#35
Caprolactam
Concen: 22.06 ng
RT: 9.31 min Scan# 711
Delta R.T. -0.03 min
Lab File: BF079218.D
Acq: 14 May 2015 2:57

Tgt Ion:113 Resp: 7857
Ion Ratio Lower Upper
113 100
55 1627.4 169.7 209.7#
56 698.6 122.5 162.5#

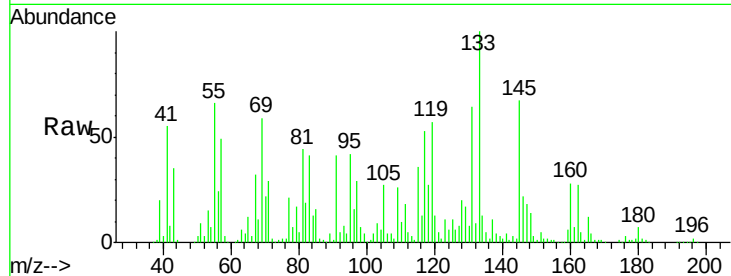




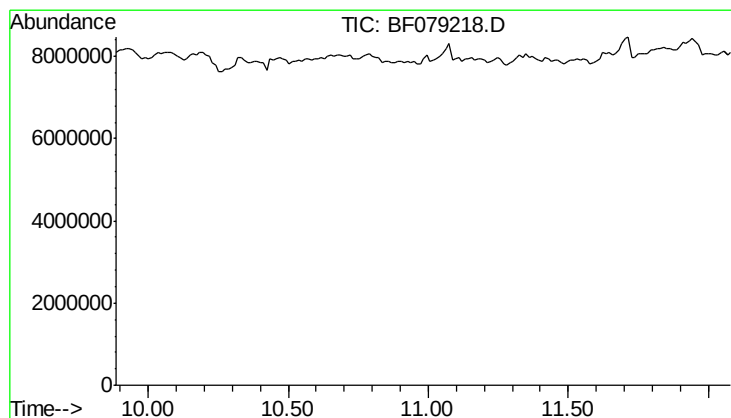
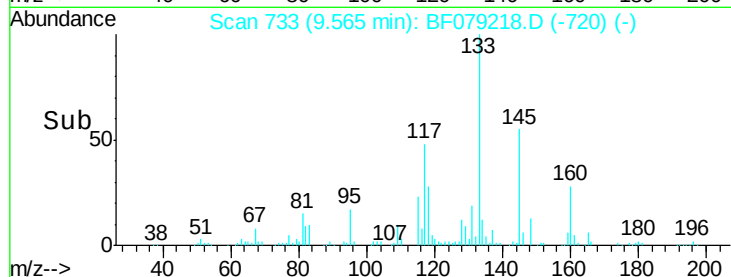
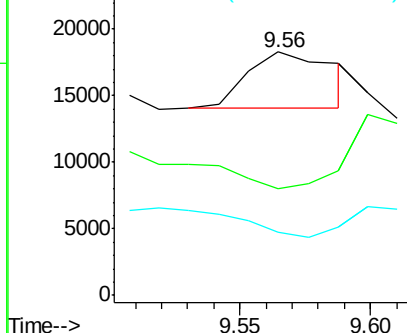
#36
 4-Chloro-3-methylphenol
 Concen: 8.39 ng
 RT: 9.56 min Scan# 733
 Delta R.T. 0.05 min
 Lab File: BF079218.D
 Acq: 14 May 2015 2:57

Instrument :
 BNA_F
 ClientSampleId :
 SUMP1

Tgt Ion: 107 Resp: 9707
 Ion Ratio Lower Upper
 107 100
 144 43.7 19.8 29.6#
 142 25.8 60.6 91.0#



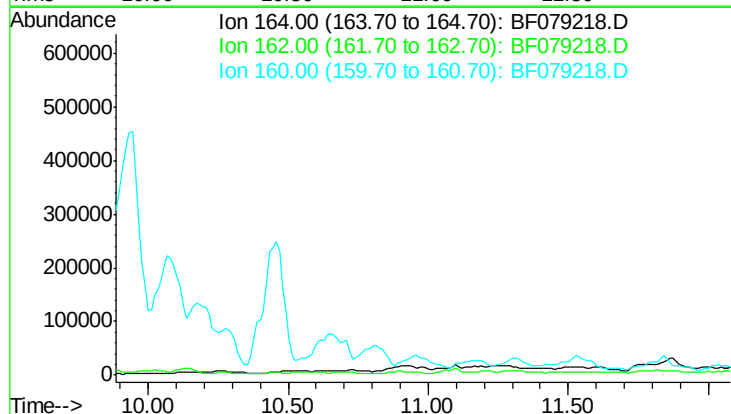
Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

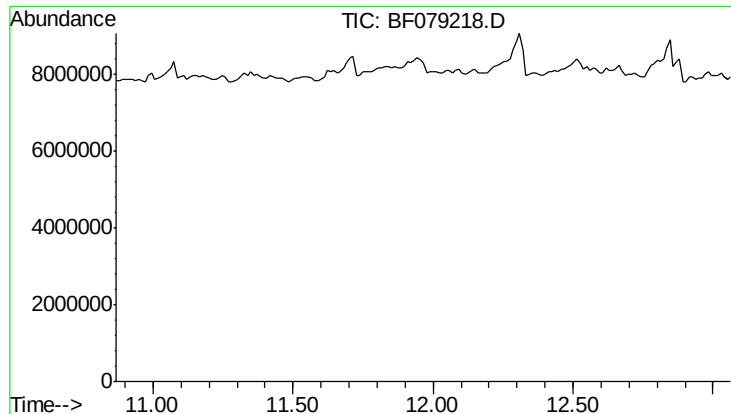


#38
 Acenaphthene-d10
 Concen: 0.00 ng
 Expected RT: 10.98 min

Lab File: BF079218.D
 Acq: 14 May 2015 2:57

Tgt Ion: 164
 Sig Exp Ratio
 164 100
 162 103.4
 160 44.8

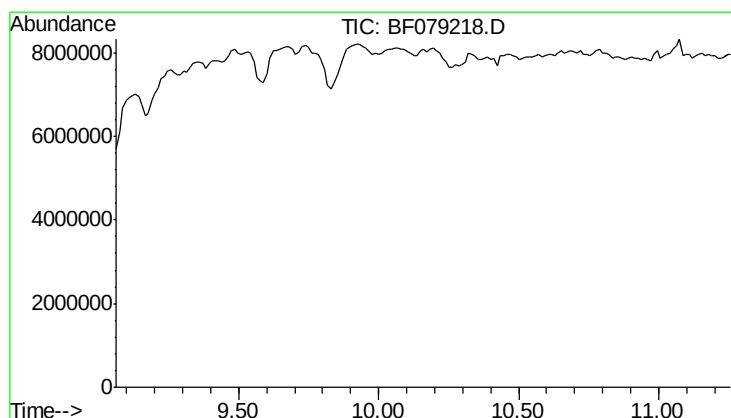
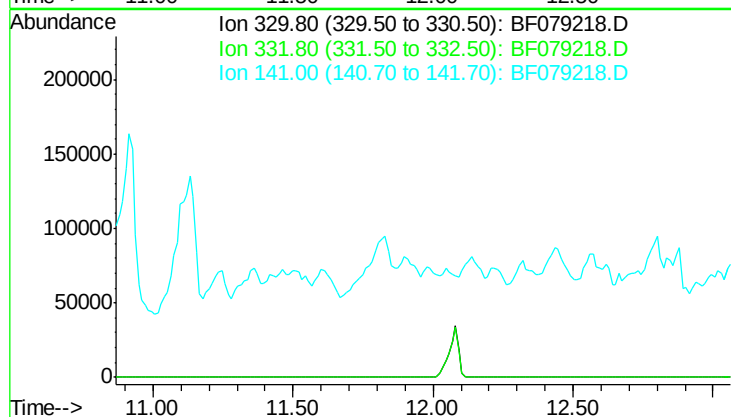




#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 11.96 min
 Lab File: BF079218.D
 Acq: 14 May 2015 2:57

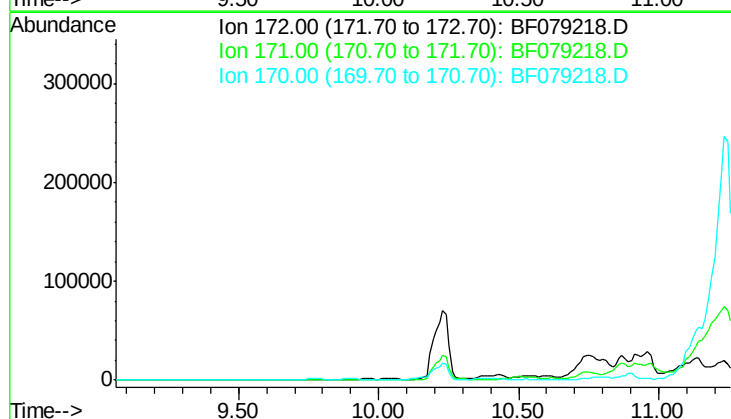
Instrument :
 BNA_F
 ClientSampleId :
 SUMP1

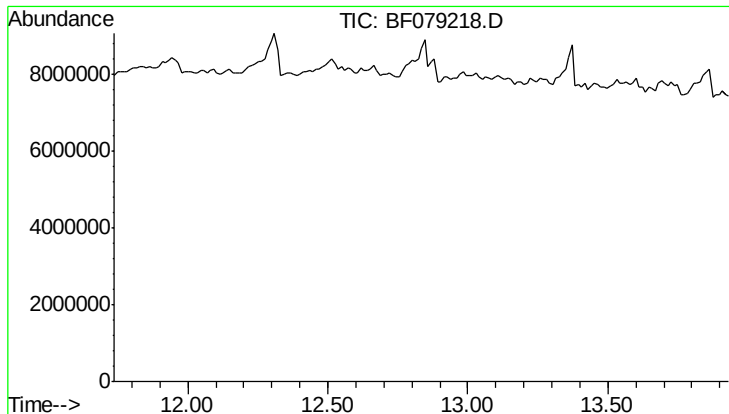
Tgt Ion	Exp Ratio
330	100
332	0.0
141	0.0



#44
 2-Fluorobiphenyl
 Concen: 0.00 ng
 Expected RT: 10.16 min
 Lab File: BF079218.D
 Acq: 14 May 2015 2:57

Tgt Ion	Exp Ratio
172	100
171	34.9
170	24.2



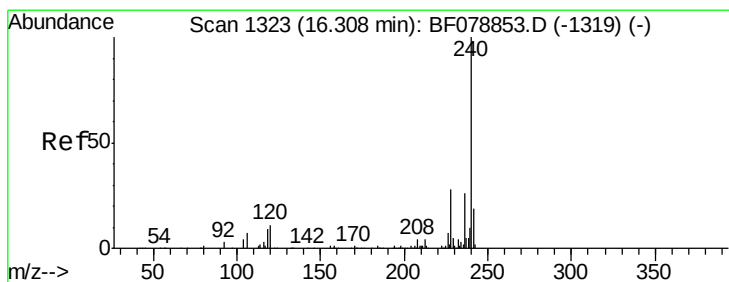
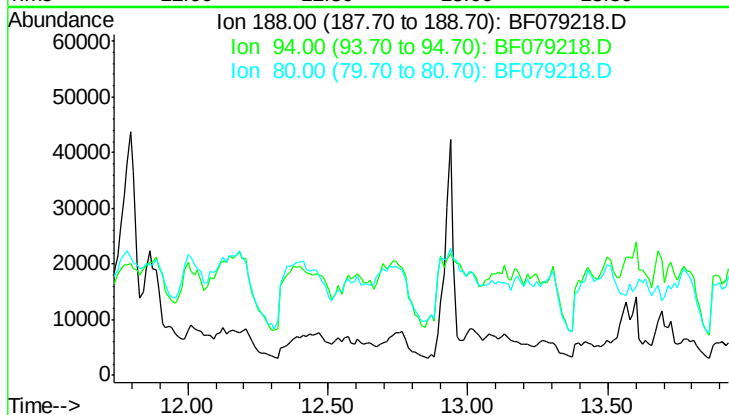


#63
 Phenanthrene-d10
 Concen: 0.00 ng
 Expected RT: 12.83 min
 Lab File: BF079218.D
 Acq: 14 May 2015 2:57

Instrument :
 BNA_F
 ClientSampleId :
 SUMP1

Tgt Ion: 188

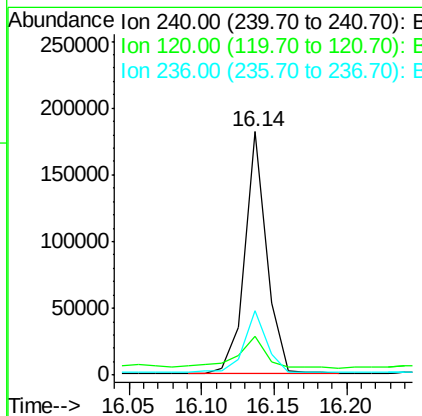
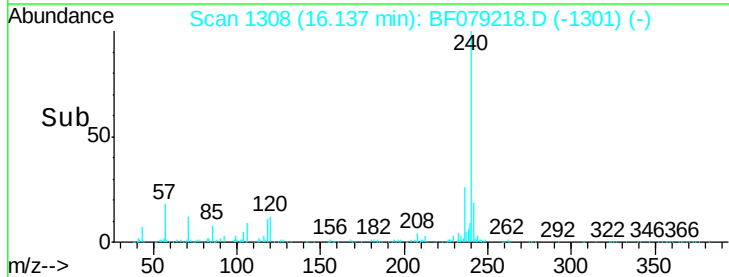
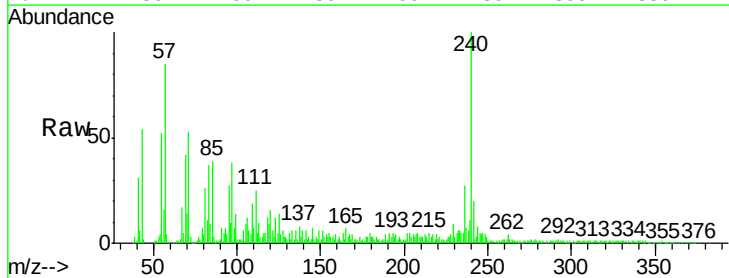
Sig	Exp Ratio
188	100
94	10.2
80	11.1

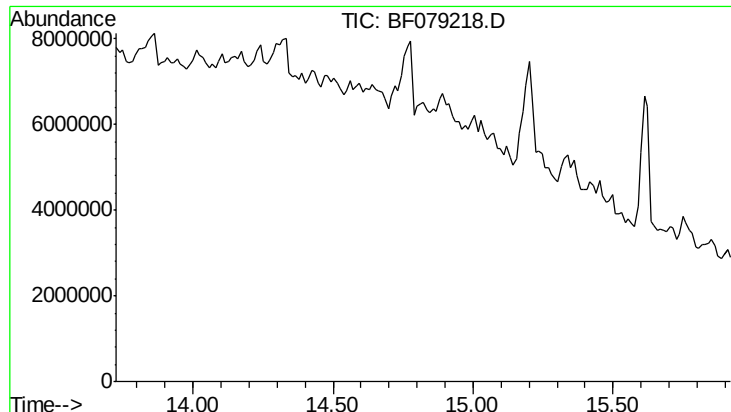


#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.14 min Scan# 1308
 Delta R.T. -0.02 min
 Lab File: BF079218.D
 Acq: 14 May 2015 2:57

Tgt Ion: 240 Resp: 189588

Ion	Ratio	Lower	Upper
240	100		
120	15.8	9.7	14.5#
236	26.5	20.2	30.4

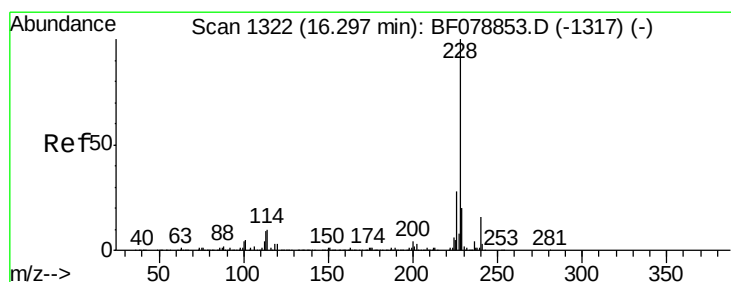
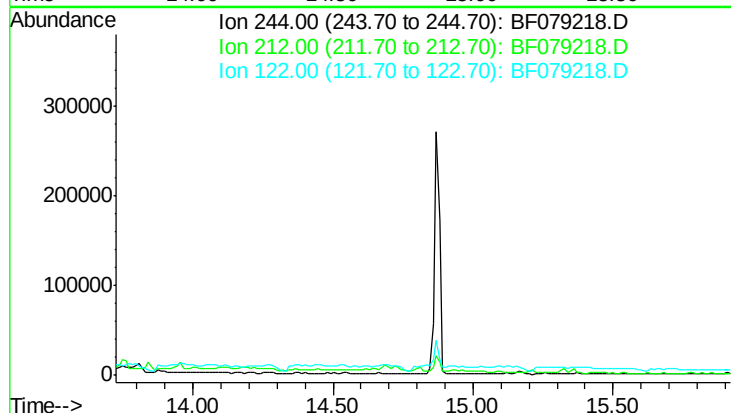




#78
 Terphenyl-d14
 Concen: 0.00 ng
 Expected RT: 14.82 min
 Lab File: BF079218.D
 Acq: 14 May 2015 2:57

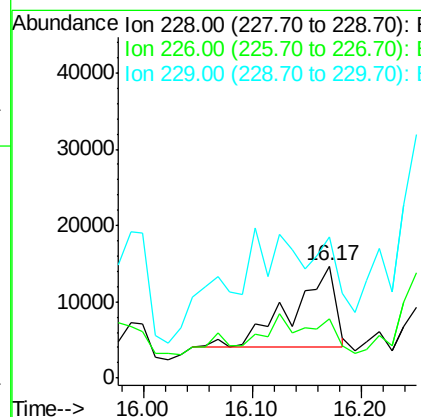
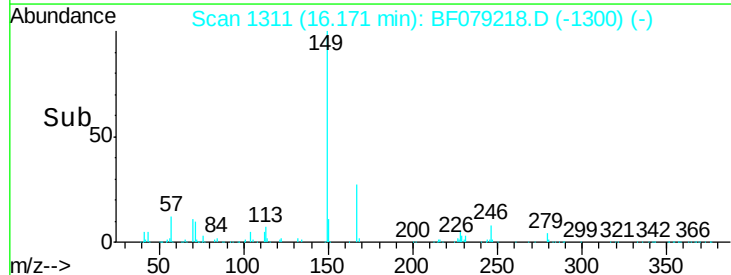
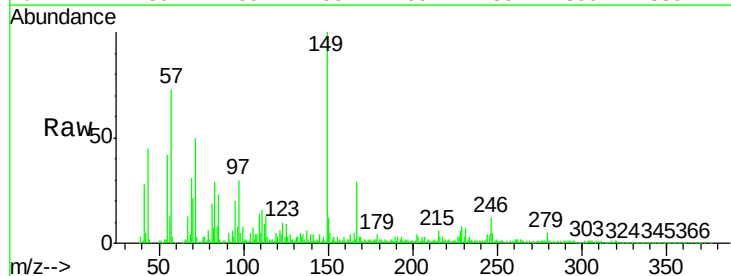
Instrument :
 BNA_F
 ClientSampleId :
 SUMP1

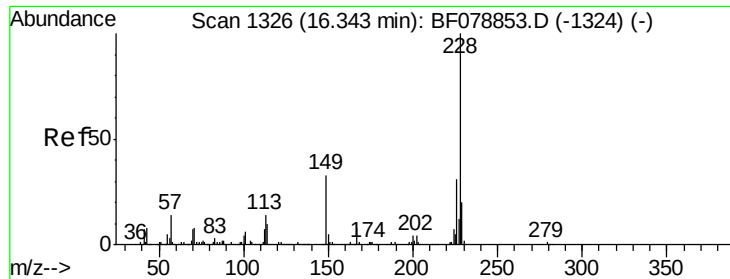
Tgt Ion: 244
 Sig Exp Ratio
 244 100
 212 7.0
 122 12.9



#80
 Benzo(a)anthracene
 Concen: 2.87 ng
 RT: 16.17 min Scan# 1311
 Delta R.T. 0.02 min
 Lab File: BF079218.D
 Acq: 14 May 2015 2:57

Tgt Ion: 228 Resp: 29745
 Ion Ratio Lower Upper
 228 100
 226 53.2 22.6 33.8#
 229 125.9 15.9 23.9#





#82

Chrysene

Concen: 3.13 ng

RT: 16.17 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BF079218.D

Acq: 14 May 2015 2:57

Instrument :

BNA_F

ClientSampleId :

SUMP1

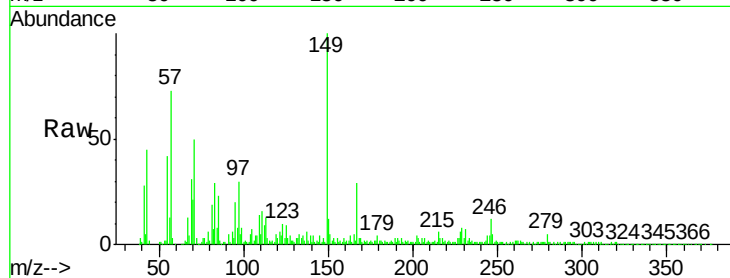
Tgt Ion:228 Resp: 31258

Ion Ratio Lower Upper

228 100

226 53.2 24.9 37.3#

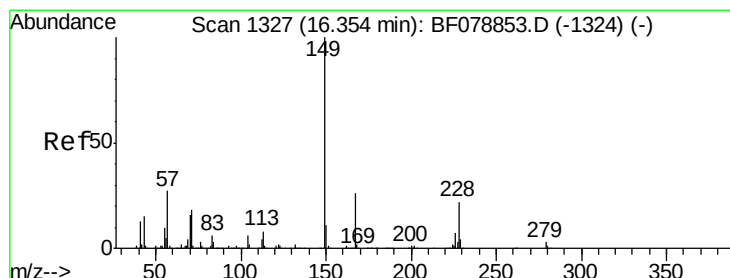
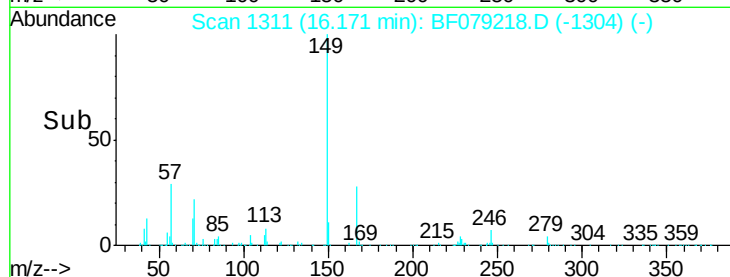
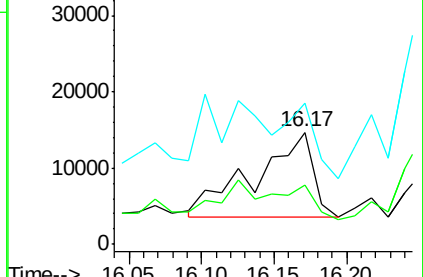
229 125.9 16.0 24.0#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 39.89 ng

RT: 16.17 min Scan# 1311

Delta R.T. -0.03 min

Lab File: BF079218.D

Acq: 14 May 2015 2:57

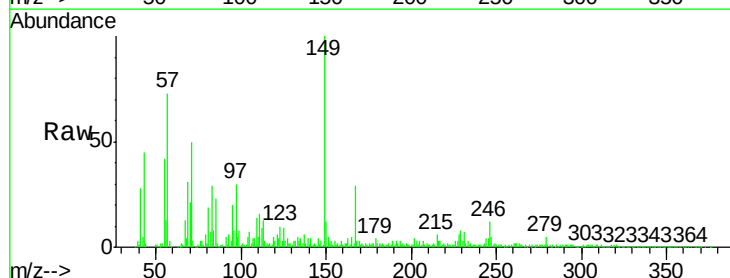
Tgt Ion:149 Resp: 288546

Ion Ratio Lower Upper

149 100

167 29.1 21.8 32.8

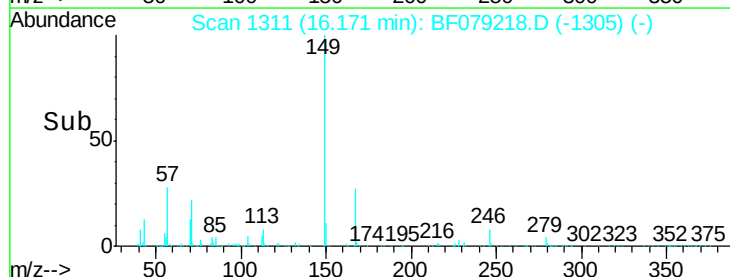
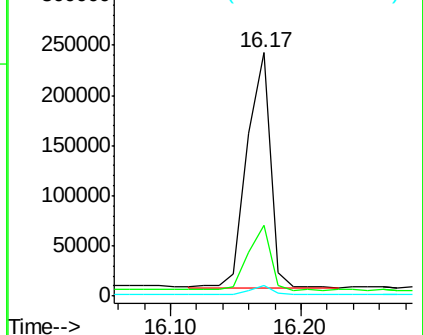
279 4.5 2.9 4.3#

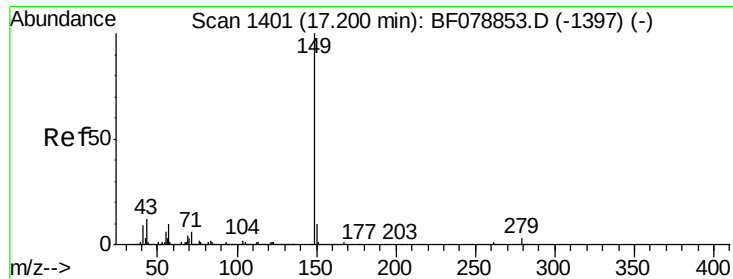


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

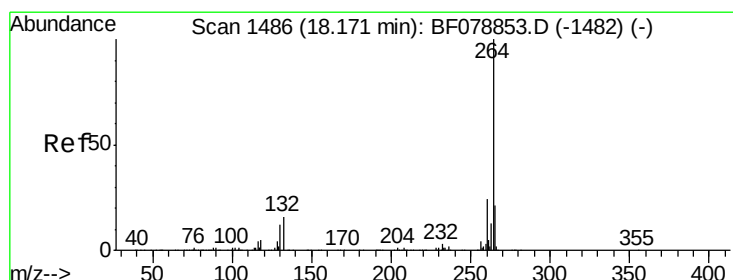
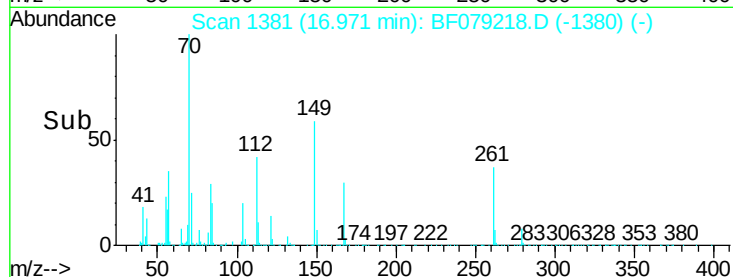
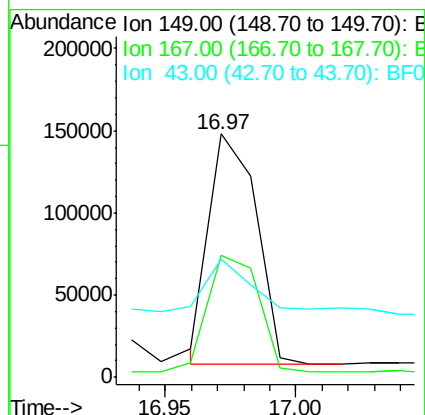
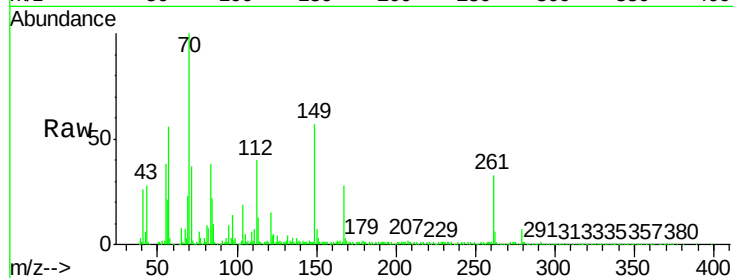




#84
Di-n-octyl phthalate
Concen: 13.89 ng
RT: 16.97 min Scan# 1381
Delta R.T. -0.09 min
Lab File: BF079218.D
Acq: 14 May 2015 2:57

Instrument :
BNA_F
ClientSampleId :
SUMP1

Tgt Ion	Ratio	Lower	Upper
149	100		
167	53.4	0.0	0.0#
43	51.5	0.0	0.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 17.79 min Scan# 1453
Delta R.T. -0.23 min
Lab File: BF079218.D
Acq: 14 May 2015 2:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	22.0	18.3	27.5

