

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
 Data File : BF079519.D
 Acq On : 27 May 2015 15:23
 Operator : TP/IZ
 Sample : PB83614BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB83614BS

Quant Time: May 28 00:55:26 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 00:48:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	57226	20.00	ng	0.00
21) Naphthalene-d8	8.58	136	243162	20.00	ng	0.00
38) Acenaphthene-d10	10.74	164	122174	20.00	ng	0.00
63) Phenanthrene-d10	12.58	188	241930	20.00	ng	0.00
75) Chrysene-d12	15.90	240	240873	20.00	ng	-0.05
86) Perylene-d12	17.76	264	246042	20.00	ng	-0.13

System Monitoring Compounds

5) 2-Fluorophenol	5.28	112	425558	128.98	ng	0.00
7) Phenol-d6	6.59	99	572317	136.09	ng	0.00
23) Nitrobenzene-d5	7.70	82	349379	83.06	ng	0.00
41) 2,4,6-Tribromophenol	11.73	330	188616	140.56	ng	-0.01
44) 2-Fluorobiphenyl	9.93	172	753221	87.96	ng	0.00
78) Terphenyl-d14	14.58	244	902516	87.93	ng	-0.01

Target Compounds

						Qvalue
6) Aniline	6.59	93	177734	29.78	ng	91
8) 2-Chlorophenol	6.74	128	171294	44.60	ng	93
9) Benzaldehyde	6.44	77	17834	5.44	ng	90
10) Phenol	6.62	94	216038	43.63	ng	95
11) bis(2-Chloroethyl)ether	6.70	93	159697	44.59	ng	91
12) 1,3-Dichlorobenzene	6.92	146	183829	43.20	ng	# 93
13) 1,4-Dichlorobenzene	7.02	146	183325	42.23	ng	95
14) 1,2-Dichlorobenzene	7.20	146	173759	43.10	ng	96
15) Benzyl Alcohol	7.20	79	140586	45.49	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.37	45	243246	46.40	ng	98
17) 2-Methylphenol	7.36	107	139090	46.09	ng	98
18) Hexachloroethane	7.62	117	63903	42.77	ng	# 78
19) n-Nitroso-di-n-propylamine	7.53	70	132790	44.88	ng	# 92
20) 3+4-Methylphenols	7.55	107	184111	44.40	ng	94
22) Acetophenone	7.52	105	248115	45.54	ng	# 93
24) Nitrobenzene	7.72	77	179722	43.35	ng	# 87
25) Isophorone	8.02	82	333831	43.54	ng	# 91
26) 2-Nitrophenol	8.11	139	85565	43.59	ng	# 75
27) 2,4-Dimethylphenol	8.19	122	159562	45.22	ng	96
28) bis(2-Chloroethoxy)methane	8.31	93	211439	44.49	ng	98
29) 2,4-Dichlorophenol	8.42	162	154418	47.78	ng	93
30) 1,2,4-Trichlorobenzene	8.51	180	147565	44.01	ng	97
31) Naphthalene	8.60	128	511843	43.86	ng	99
32) Benzoic acid	8.34	122	94760	43.28	ng	96
33) 4-Chloroaniline	8.70	127	148534	30.47	ng	# 94
34) Hexachlorobutadiene	8.76	225	82741	43.39	ng	97
35) Caprolactam	9.12	113	47561	46.66	ng	88
36) 4-Chloro-3-methylphenol	9.31	107	164250	49.00	ng	# 87
37) 2-Methylnaphthalene	9.46	142	356317	43.98	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.67	216	143176	41.90	ng	# 100
40) Hexachlorocyclopentadiene	9.66	237	90756	82.92	ng	96
42) 2,4,6-Trichlorophenol	9.83	196	106047	44.44	ng	96
43) 2,4,5-Trichlorophenol	9.87	196	105871	44.57	ng	# 84
45) 1,1'-Biphenyl	10.04	154	422809	44.31	ng	97

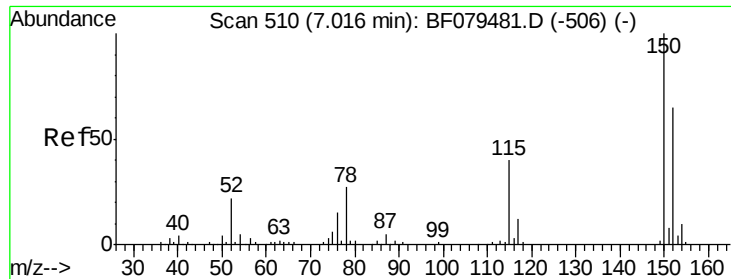
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 2-Chloronaphthalene	10.07	162	330941	43.91	ng	95
47) 2-Nitroaniline	10.20	65	101342	45.23	ng	# 76
48) Acenaphthylene	10.57	152	549396	43.92	ng	99
49) Dimethylphthalate	10.45	163	422682	46.95	ng	99
50) 2,6-Dinitrotoluene	10.51	165	84409	46.93	ng	# 55
51) Acenaphthene	10.79	154	319926	44.72	ng	99
52) 3-Nitroaniline	10.72	138	81224	34.72	ng	83
53) 2,4-Dinitrophenol	10.87	184	66790	84.36	ng	# 84
54) Dibenzofuran	11.01	168	487853	46.24	ng	97
55) 4-Nitrophenol	10.96	139	122421	94.37	ng	87
56) 2,4-Dinitrotoluene	11.02	165	118190	49.00	ng	90
57) Fluorene	11.43	166	408097	46.93	ng	99
58) 2,3,4,6-Tetrachlorophenol	11.17	232	84543	48.91	ng	# 100
59) Diethylphthalate	11.31	149	405652	46.03	ng	94
60) 4-Chlorophenyl-phenylether	11.44	204	179974	47.90	ng	93
61) 4-Nitroaniline	11.47	138	93793	43.04	ng	89
62) Azobenzene	11.63	77	401711	46.87	ng	97
64) 4,6-Dinitro-2-methylphenol	11.52	198	53583	44.42	ng	94
65) n-Nitrosodiphenylamine	11.59	169	340153	42.33	ng	97
66) 4-Bromophenyl-phenylether	12.05	248	116663	46.83	ng	94
67) Hexachlorobenzene	12.10	284	126076	44.39	ng	95
68) Atrazine	12.27	200	115760	53.33	ng	96
69) Pentachlorophenol	12.37	266	104053	95.63	ng	98
70) Phenanthrene	12.62	178	572176	43.11	ng	100
71) Anthracene	12.67	178	587426	43.59	ng	99
72) Carbazole	12.89	167	583215	44.96	ng	98
73) Di-n-butylphthalate	13.35	149	739068	51.23	ng	99
74) Fluoranthene	14.09	202	642071	45.11	ng	98
76) Benzidine	14.27	184	317270	61.50	ng	99
77) Pyrene	14.37	202	670685	44.94	ng	100
79) Butylbenzylphthalate	15.21	149	331618	49.41	ng	92
80) Benzo(a)anthracene	15.89	228	605747	43.72	ng	99
81) 3,3'-Dichlorobenzidine	15.86	252	162525	32.03	ng	# 97
82) Chrysene	15.93	228	569467	43.24	ng	99
83) Bis(2-ethylhexyl)phthalate	15.97	149	494283	51.41	ng	# 97
84) Di-n-octyl phthalate	16.81	149	852732	50.96	ng	100
85) Indeno(1,2,3-cd)pyrene	19.14	276	739707	43.66	ng	99
87) Benzo(b)fluoranthene	17.31	252	580178	41.35	ng	99
88) Benzo(k)fluoranthene	17.31	252	585527	46.66	ng	99
89) Benzo(a)pyrene	17.69	252	607114	49.53	ng	99
90) Dibenzo(a,h)anthracene	19.17	278	609292	47.41	ng	# 96
91) Benzo(g,h,i)perylene	19.53	276	607259	47.14	ng	98

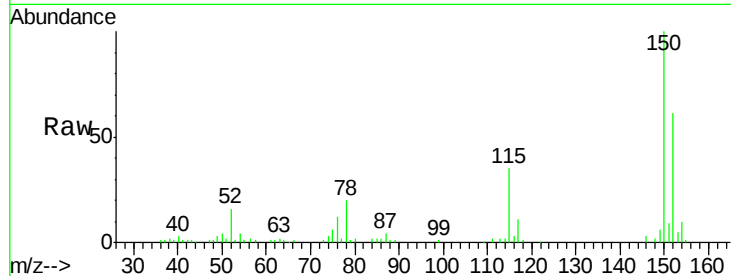
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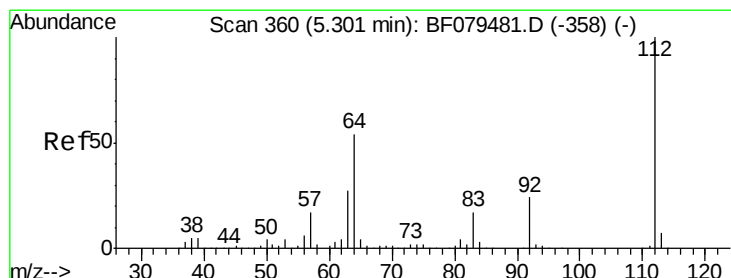
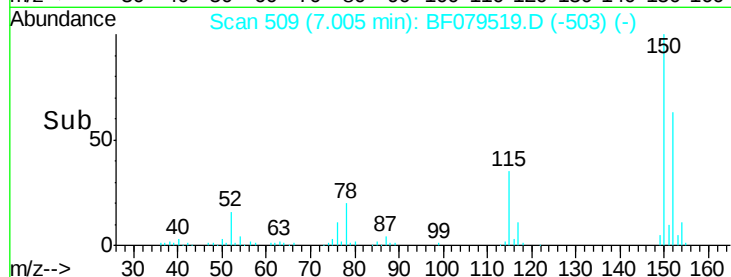
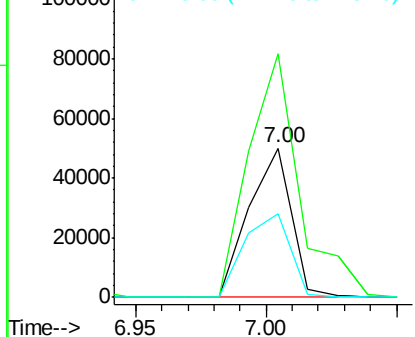
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.00 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: BF079519.D
 Acq: 27 May 2015 15:23

Instrument :
 BNA_F
 ClientSampleId :
 PB83614BS

Tgt Ion:152 Resp: 57226
 Ion Ratio Lower Upper
 152 100
 150 163.2 124.0 186.0
 115 56.4 49.6 74.4

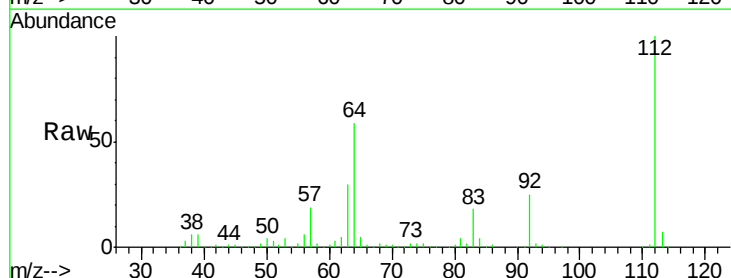


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

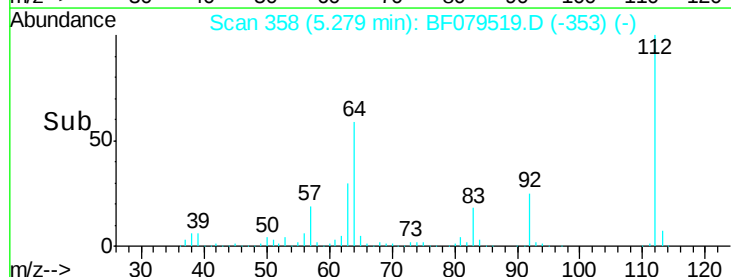
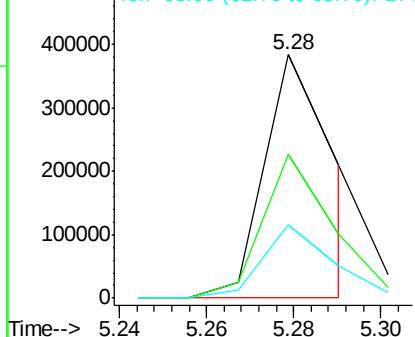


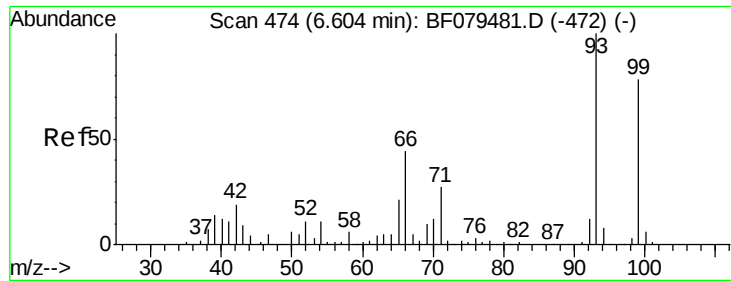
#5
 2-Fluorophenol
 Concen: 128.98 ng
 RT: 5.28 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: BF079519.D
 Acq: 27 May 2015 15:23

Tgt Ion:112 Resp: 425558
 Ion Ratio Lower Upper
 112 100
 64 59.3 43.5 65.3
 63 30.1 21.8 32.8



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





#6

Aniline

Concen: 29.78 ng

RT: 6.59 min Scan# 473

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

Instrument :

BNA_F

ClientSampleId :

PB83614BS

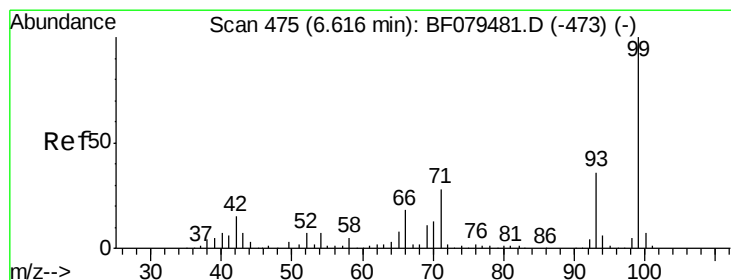
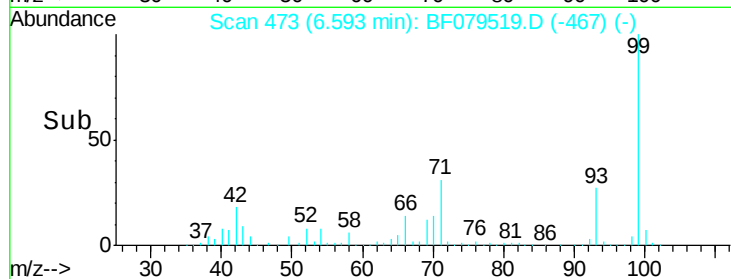
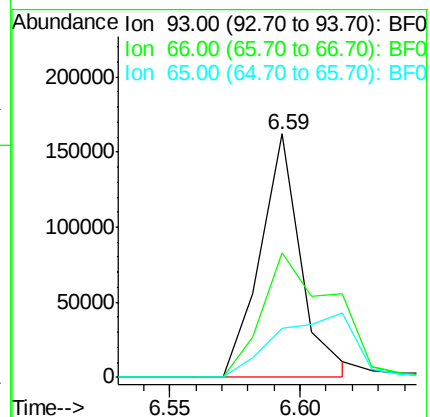
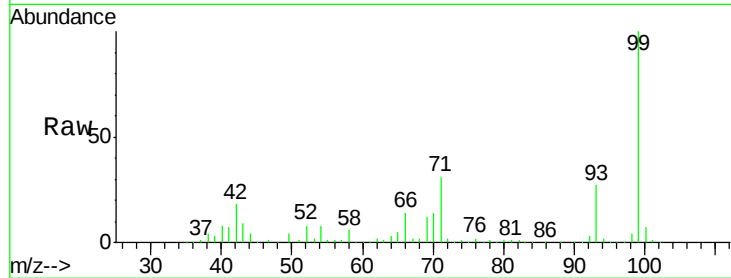
Tgt Ion: 93 Resp: 177734

Ion Ratio Lower Upper

93 100

66 51.2 34.8 52.2

65 20.0 16.7 25.1



#7

Phenol-d6

Concen: 136.09 ng

RT: 6.59 min Scan# 473

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

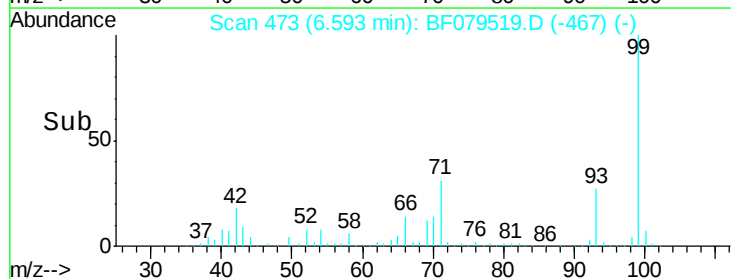
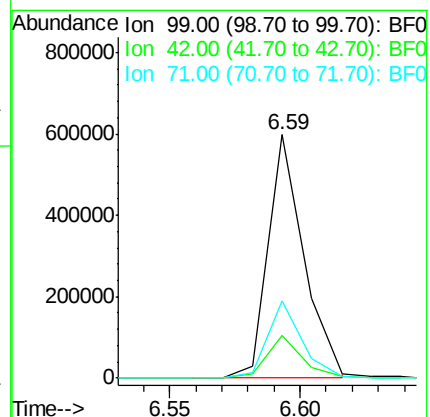
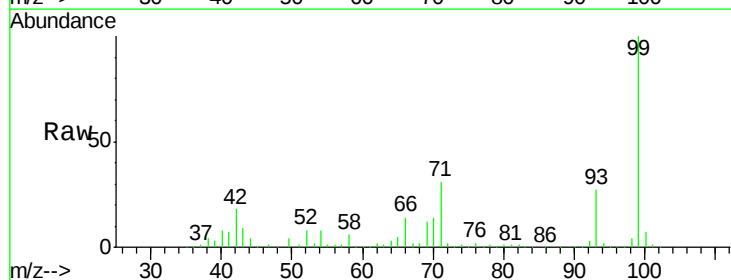
Tgt Ion: 99 Resp: 572317

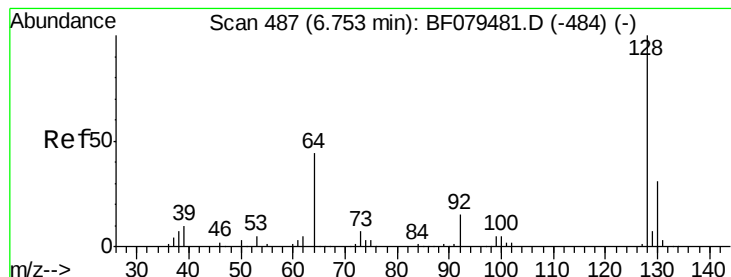
Ion Ratio Lower Upper

99 100

42 17.7 11.9 17.9

71 31.5 22.1 33.1





#8

2-Chlorophenol

Concen: 44.60 ng

RT: 6.74 min Scan# 486

Delta R.T. 0.01 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

Instrument :

BNA_F

ClientSampleId :

PB83614BS

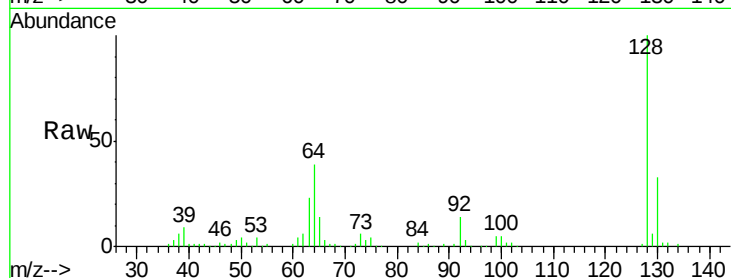
Tgt Ion:128 Resp: 171294

Ion Ratio Lower Upper

128 100

130 32.7 11.4 51.4

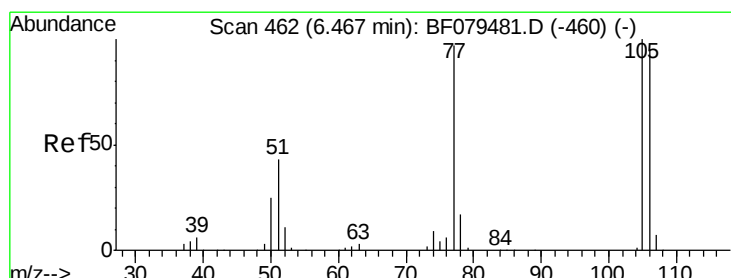
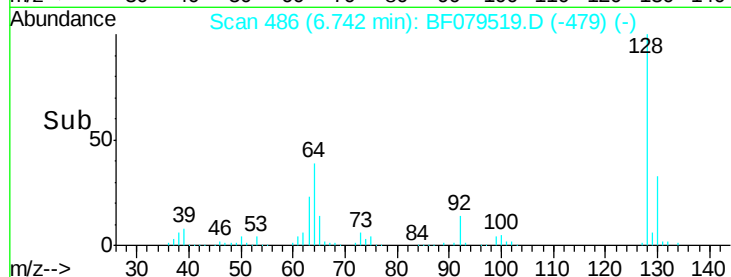
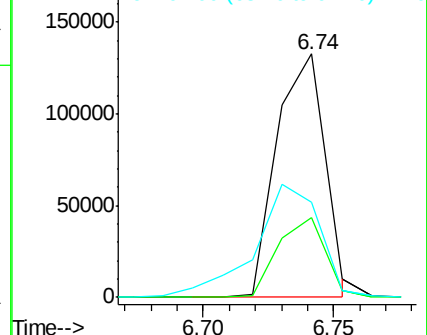
64 39.2 25.9 65.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



#9

Benzaldehyde

Concen: 5.44 ng

RT: 6.44 min Scan# 460

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

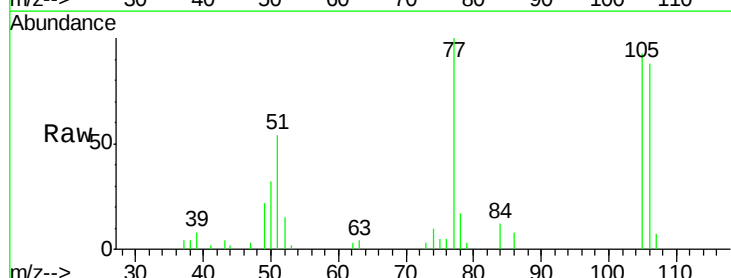
Tgt Ion: 77 Resp: 17834

Ion Ratio Lower Upper

77 100

105 93.3 83.3 123.3

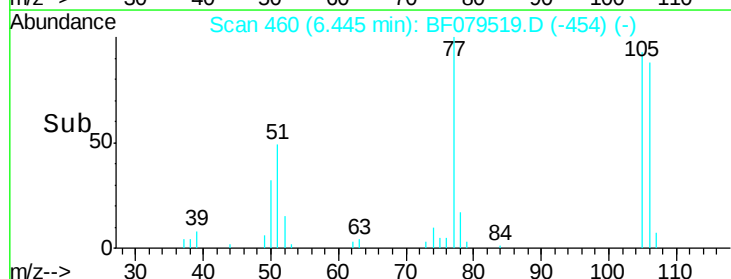
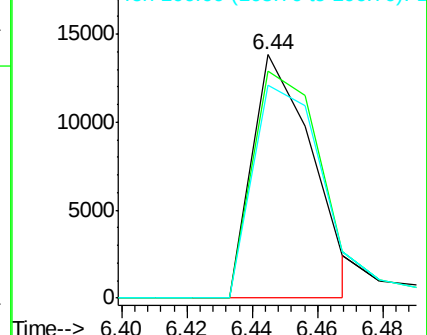
106 87.5 78.4 118.4

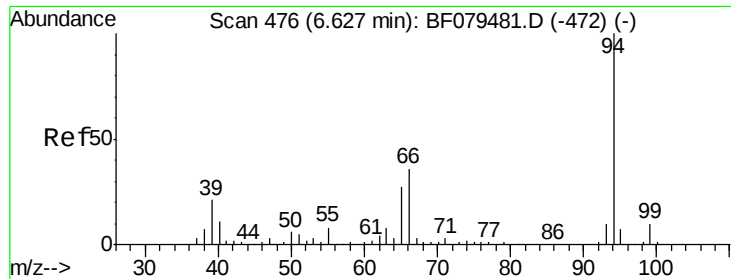


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 43.63 ng

RT: 6.62 min Scan# 475

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

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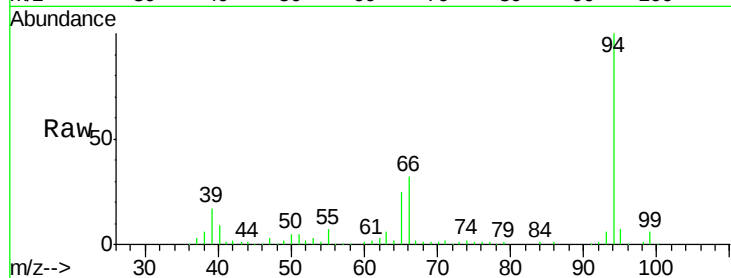
Tgt Ion: 94 Resp: 216038

Ion Ratio Lower Upper

94 100

65 25.3 7.2 47.2

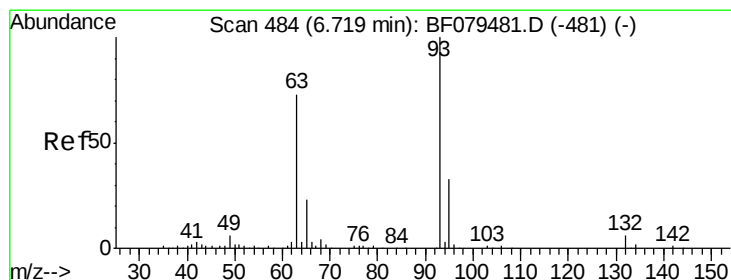
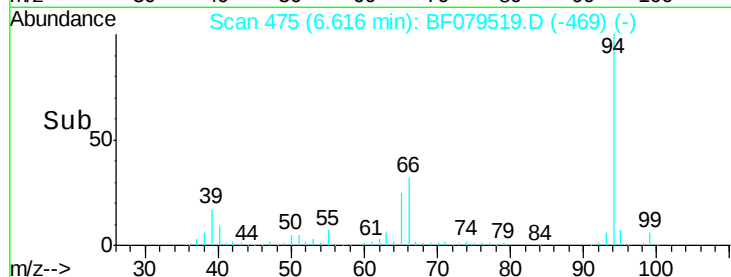
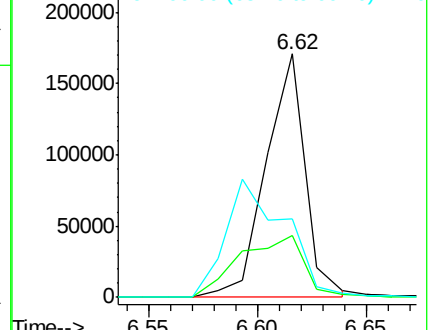
66 32.5 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 44.59 ng

RT: 6.70 min Scan# 482

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

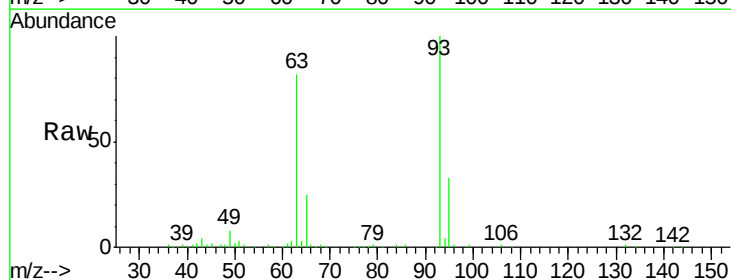
Tgt Ion: 93 Resp: 159697

Ion Ratio Lower Upper

93 100

63 82.1 51.8 91.8

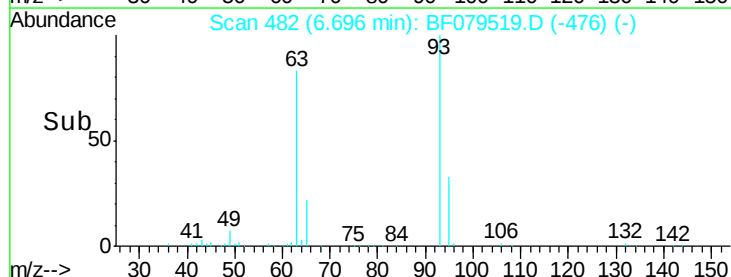
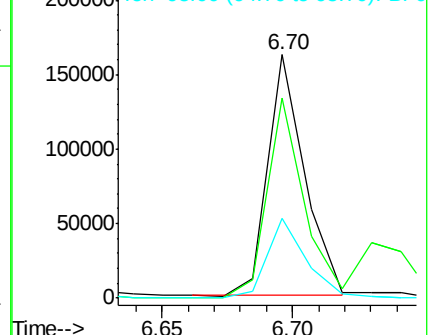
95 32.7 13.0 53.0

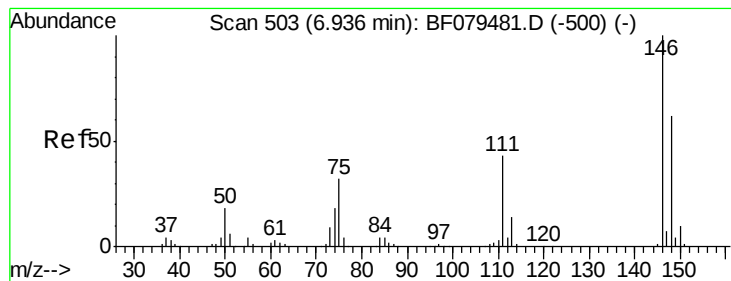


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#12

1,3-Dichlorobenzene

Concen: 43.20 ng

RT: 6.92 min Scan# 502

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

Instrument :

BNA_F

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PB83614BS

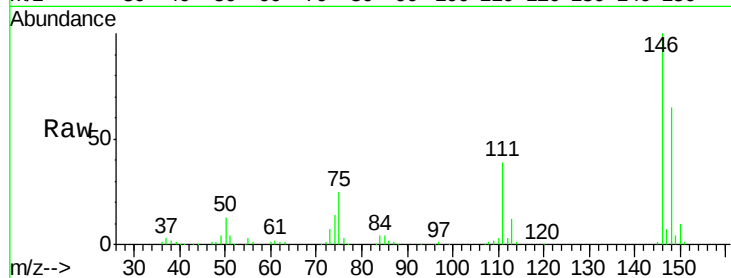
Tgt Ion:146 Resp: 183829

Ion Ratio Lower Upper

146 100

148 65.0 49.6 74.4

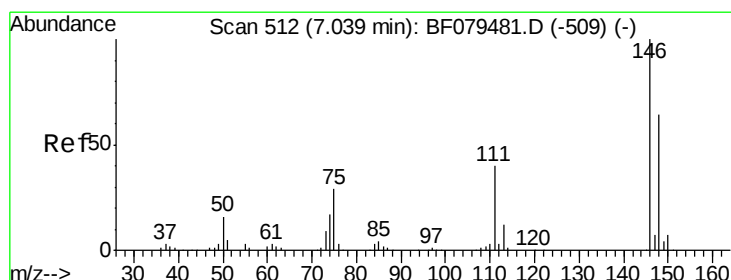
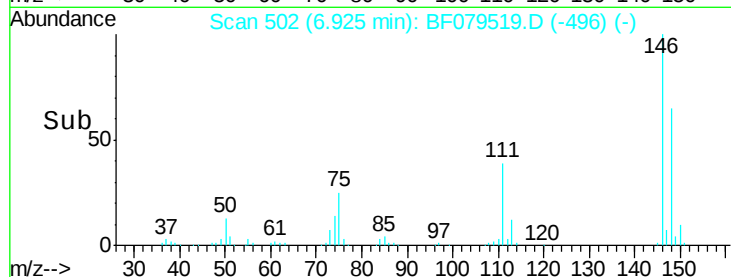
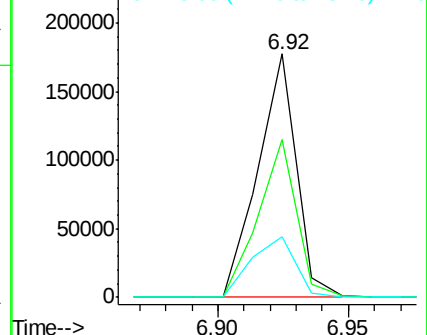
75 24.7 25.9 38.9#



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: 42.23 ng

RT: 7.02 min Scan# 510

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

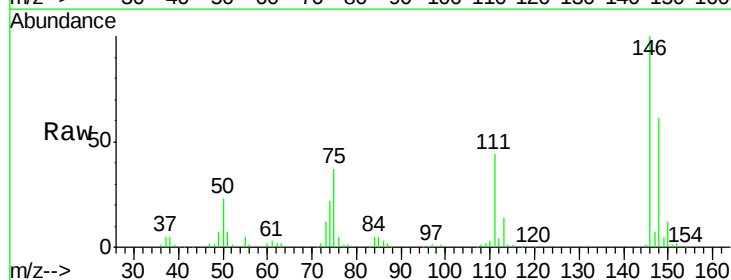
Tgt Ion:146 Resp: 183325

Ion Ratio Lower Upper

146 100

148 61.4 51.3 76.9

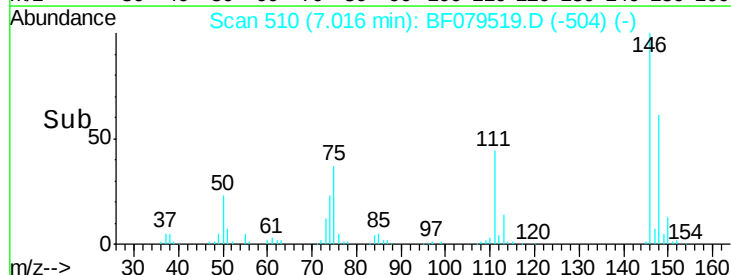
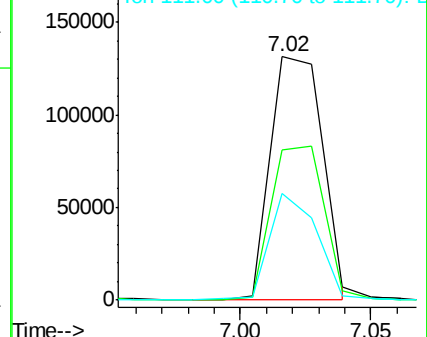
111 44.1 31.8 47.8

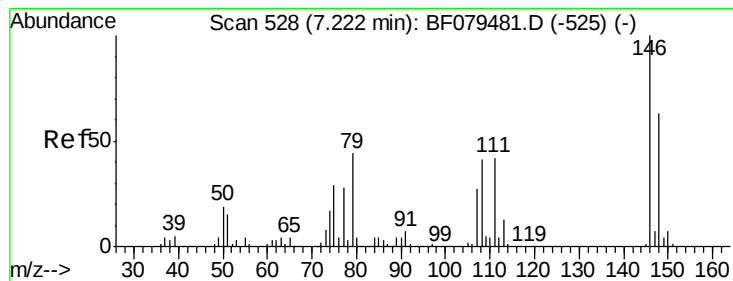


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

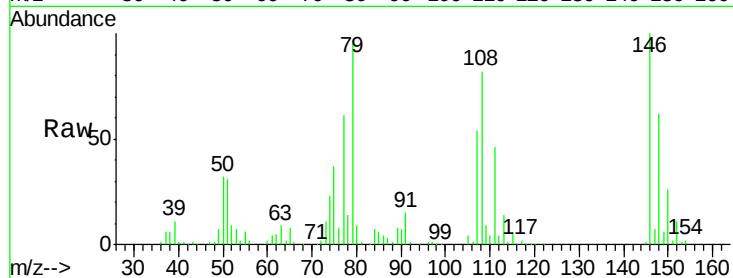




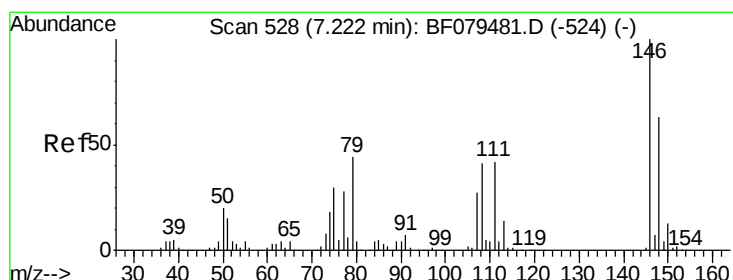
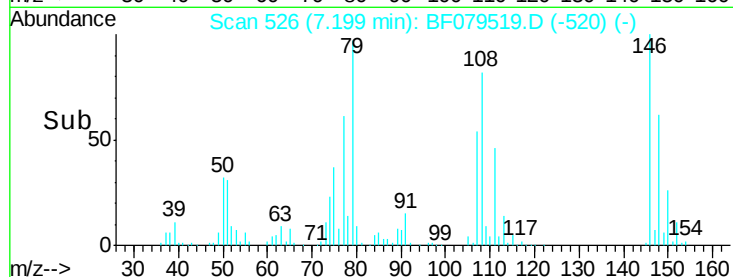
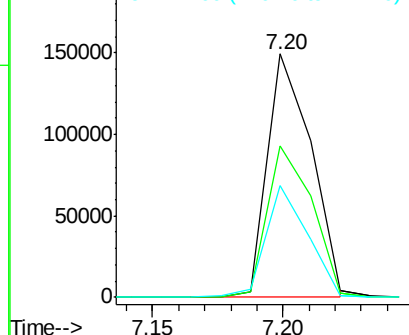
#14
 1,2-Dichlorobenzene
 Concen: 43.10 ng
 RT: 7.20 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: BF079519.D
 Acq: 27 May 2015 15:23

Instrument :
 BNA_F
 ClientSampleId :
 PB83614BS

Tgt Ion:146 Resp: 173759
 Ion Ratio Lower Upper
 146 100
 148 62.1 50.6 76.0
 111 46.0 33.2 49.8

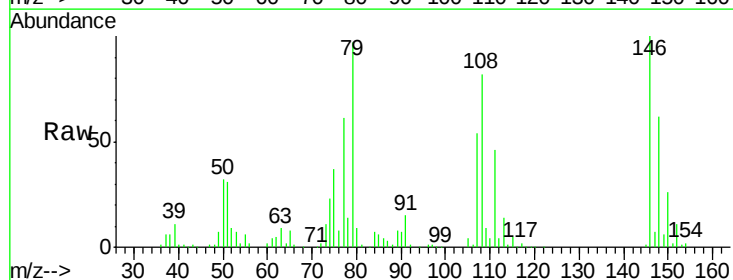


Abundance Ion 146.00 (145.70 to 146.70): E
 200000 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

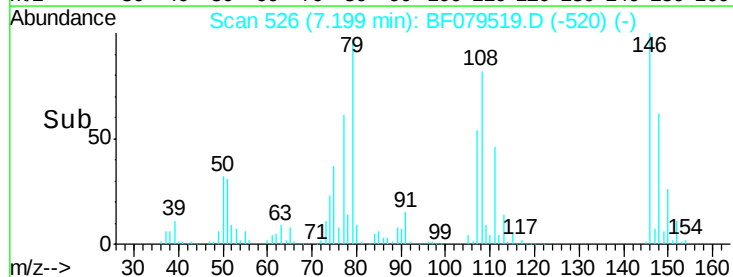
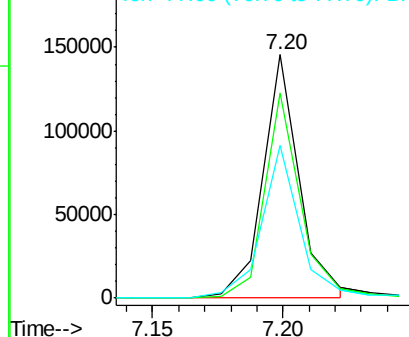


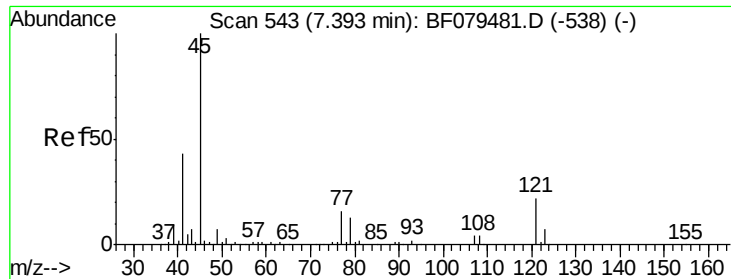
#15
 Benzyl Alcohol
 Concen: 45.49 ng
 RT: 7.20 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: BF079519.D
 Acq: 27 May 2015 15:23

Tgt Ion: 79 Resp: 140586
 Ion Ratio Lower Upper
 79 100
 108 84.3 73.7 110.5
 77 63.0 51.1 76.7



Abundance Ion 79.00 (78.70 to 79.70): BF0
 200000 Ion 108.00 (107.70 to 108.70): E
 Ion 77.00 (76.70 to 77.70): BF0

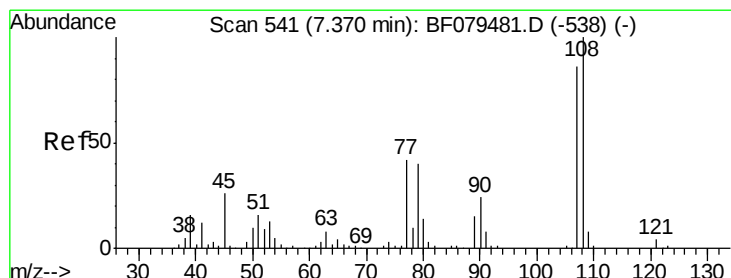
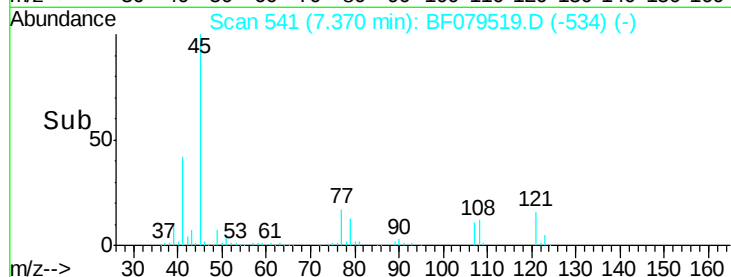
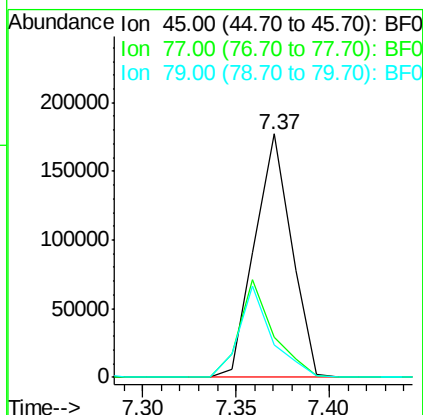
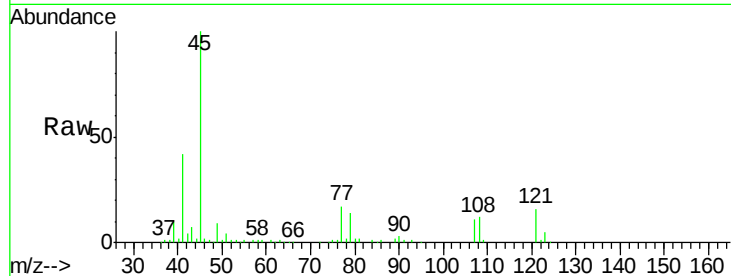




#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.40 ng
RT: 7.37 min Scan# 541
Delta R.T. 0.00 min
Lab File: BF079519.D
Acq: 27 May 2015 15:23

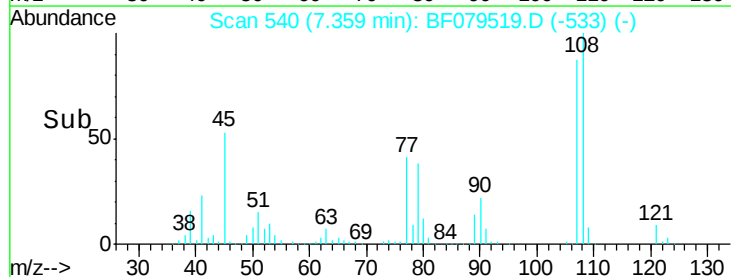
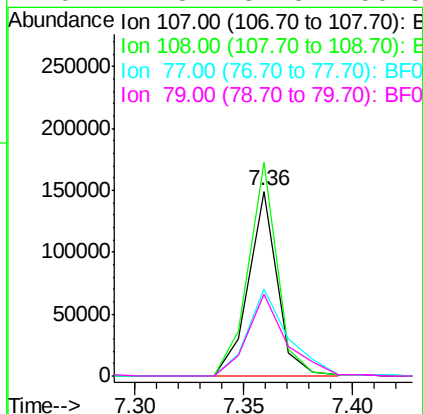
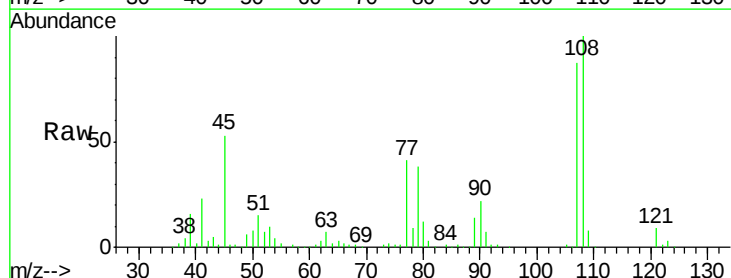
Instrument :
BNA_F
ClientSampleId :
PB83614BS

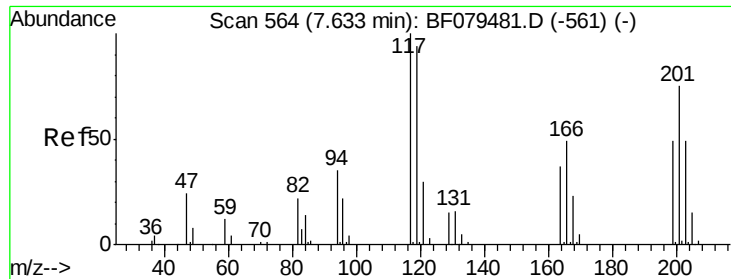
Tgt Ion: 45 Resp: 243246
Ion Ratio Lower Upper
45 100
77 16.7 0.0 35.5
79 13.6 0.0 32.8



#17
2-Methylphenol
Concen: 46.09 ng
RT: 7.36 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF079519.D
Acq: 27 May 2015 15:23

Tgt Ion: 107 Resp: 139090
Ion Ratio Lower Upper
107 100
108 115.5 93.1 139.7
77 47.4 39.2 58.8
79 44.3 37.8 56.8

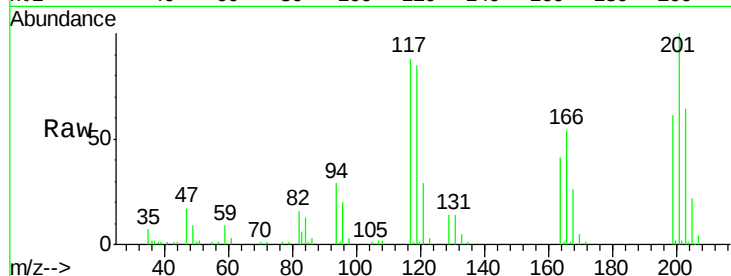




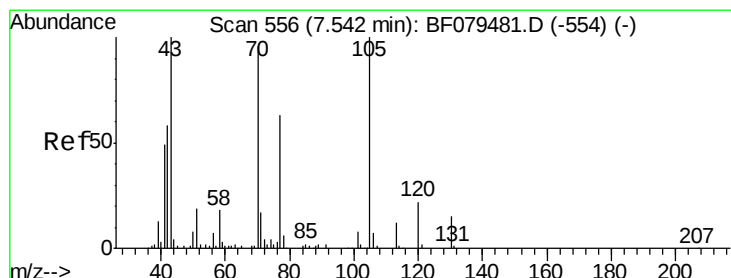
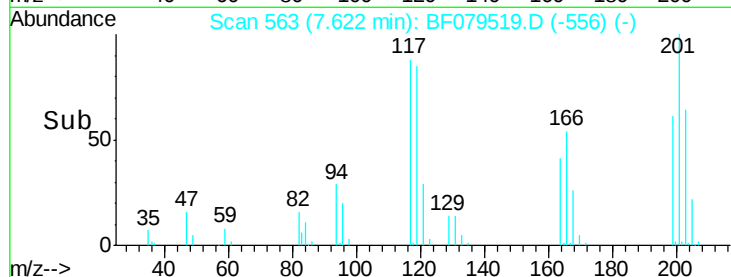
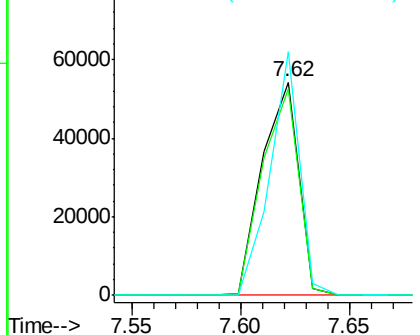
#18
Hexachloroethane
Concen: 42.77 ng
RT: 7.62 min Scan# 563
Delta R.T. 0.00 min
Lab File: BF079519.D
Acq: 27 May 2015 15:23

Instrument :
BNA_F
ClientSampleId :
PB83614BS

Tgt Ion: 117 Resp: 63903
Ion Ratio Lower Upper
117 100
119 96.5 74.9 112.3
201 114.0 60.2 90.4#

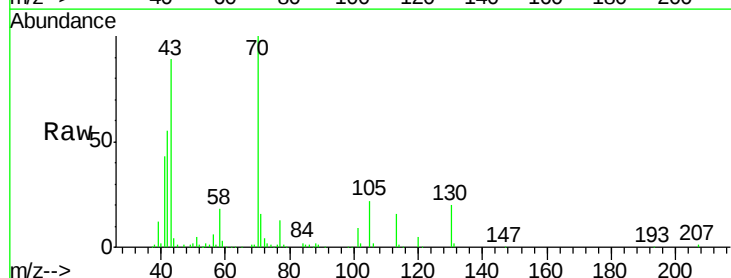


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

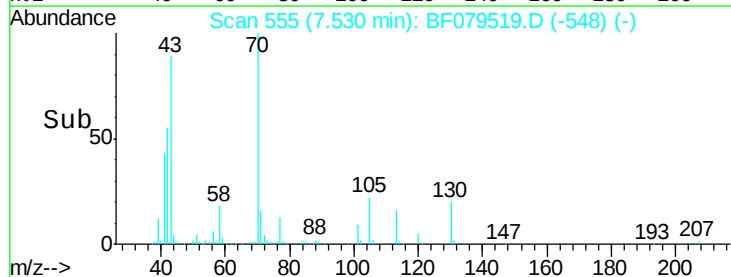
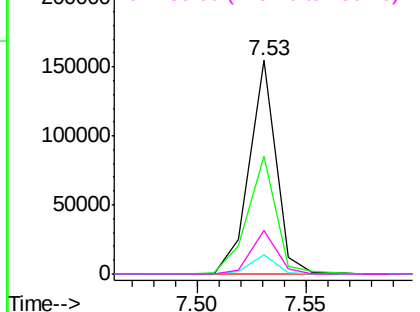


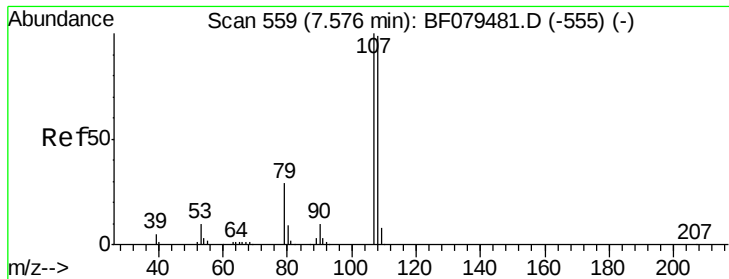
#19
n-Nitroso-di-n-propylamine
Concen: 44.88 ng
RT: 7.53 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF079519.D
Acq: 27 May 2015 15:23

Tgt Ion: 70 Resp: 132790
Ion Ratio Lower Upper
70 100
42 55.2 48.8 73.2
101 9.2 6.6 9.8
130 20.1 12.2 18.4#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 44.40 ng

RT: 7.55 min Scan# 557

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

Instrument :

BNA_F

ClientSampleId :

PB83614BS

Tgt Ion:107 Resp: 184111

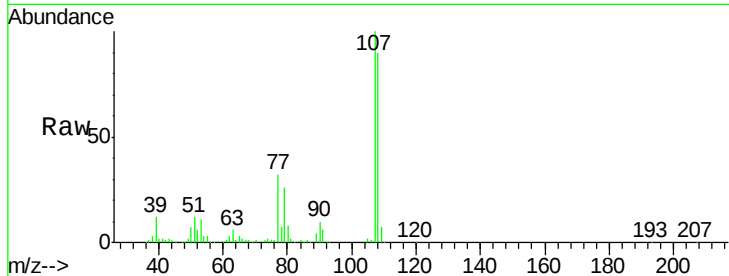
Ion Ratio Lower Upper

107 100

108 89.9 77.7 117.7

77 32.0 11.4 51.4

79 25.9 9.6 49.6

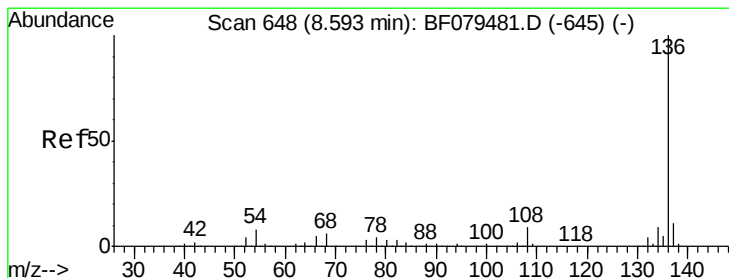
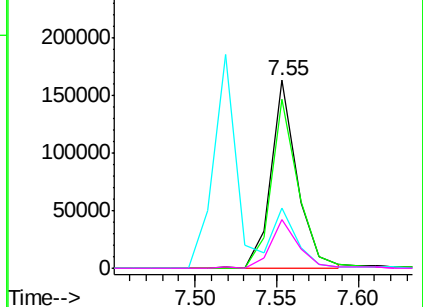
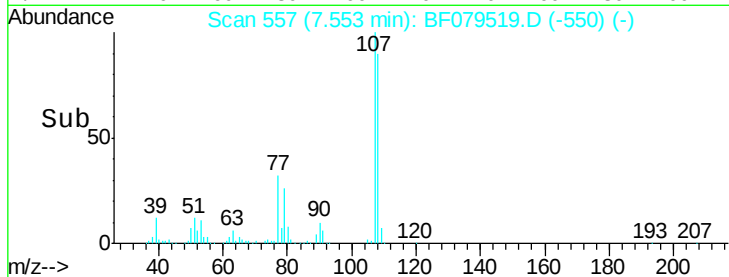


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.58 min Scan# 647

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

Tgt Ion:136 Resp: 243162

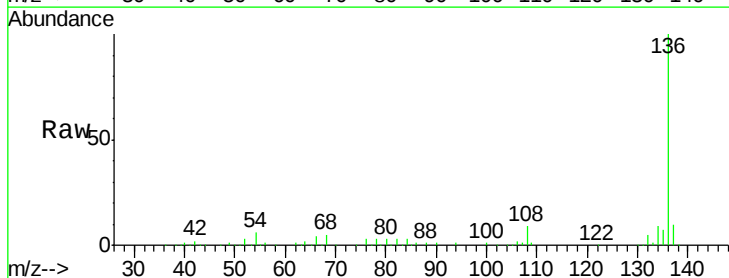
Ion Ratio Lower Upper

136 100

137 10.2 8.5 12.7

54 6.0 6.6 9.8#

68 5.1 4.7 7.1

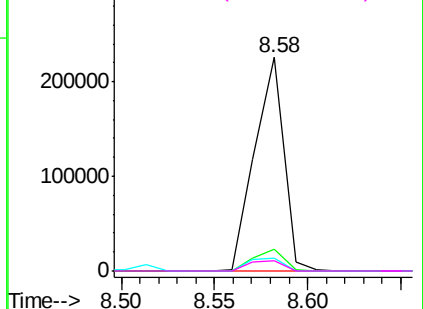
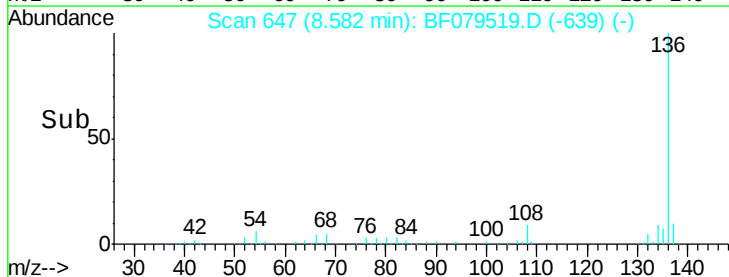


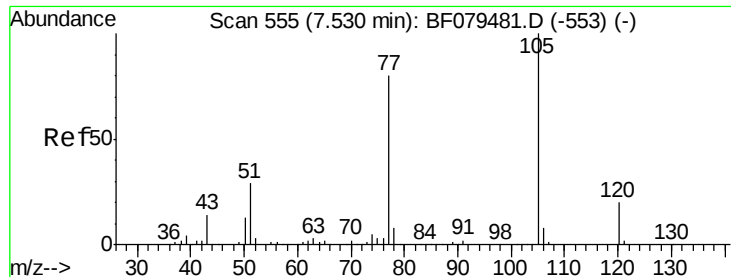
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#22

Acetophenone

Concen: 45.54 ng

RT: 7.52 min Scan# 554

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

Instrument :

BNA_F

ClientSampleId :

PB83614BS

Tgt Ion: 105 Resp: 248115

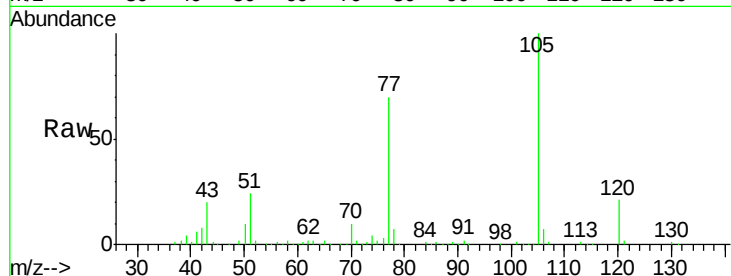
Ion Ratio Lower Upper

105 100

71 1.7 0.2 0.4#

51 24.2 23.7 35.5

120 21.5 16.2 24.4

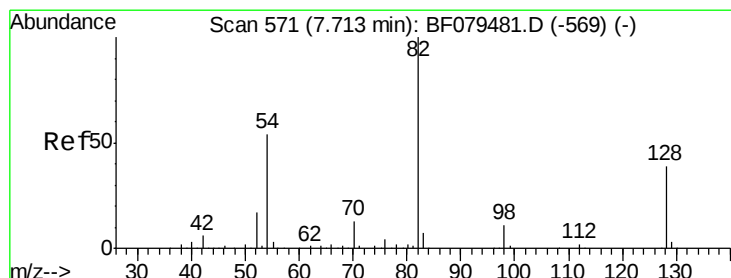
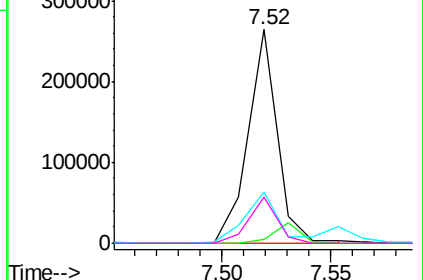
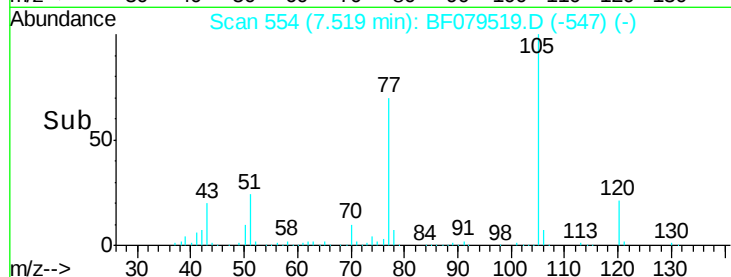


Abundance Ion 105.00 (104.70 to 105.70): E

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: 83.06 ng

RT: 7.70 min Scan# 570

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

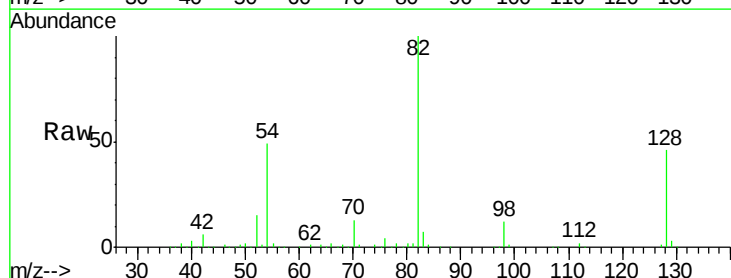
Tgt Ion: 82 Resp: 349379

Ion Ratio Lower Upper

82 100

128 46.3 30.8 46.2#

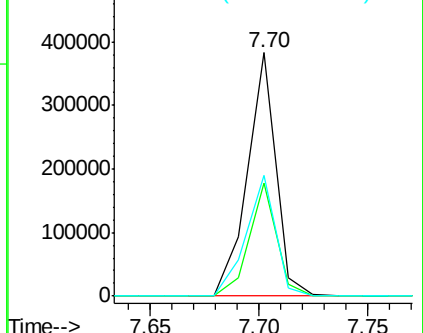
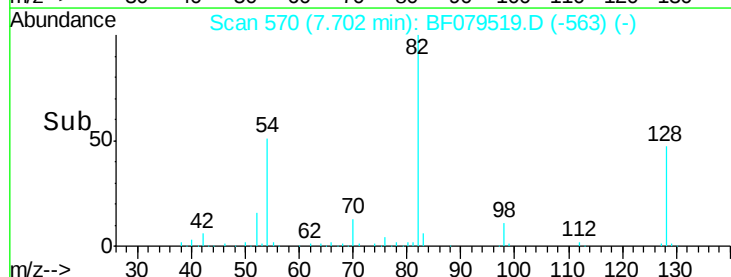
54 49.4 42.8 64.2

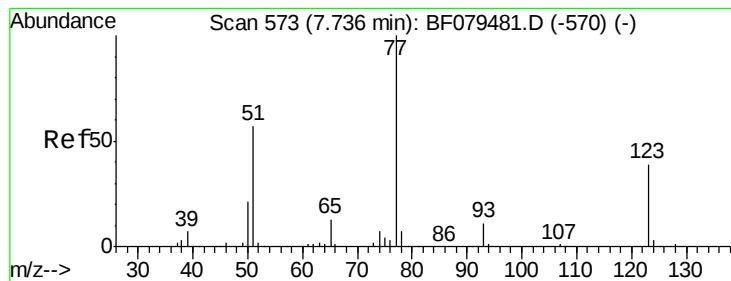


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 43.35 ng

RT: 7.72 min Scan# 572

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

Instrument :

BNA_F

ClientSampleId :

PB83614BS

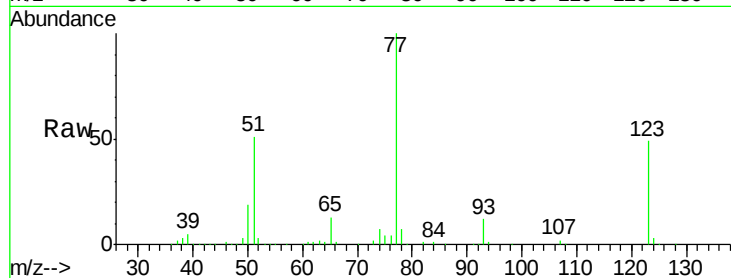
Tgt Ion: 77 Resp: 179722

Ion Ratio Lower Upper

77 100

123 49.4 31.0 46.4#

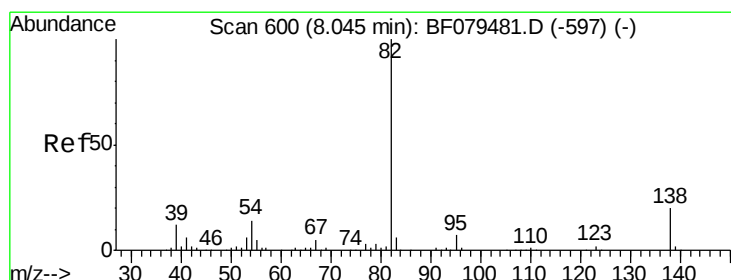
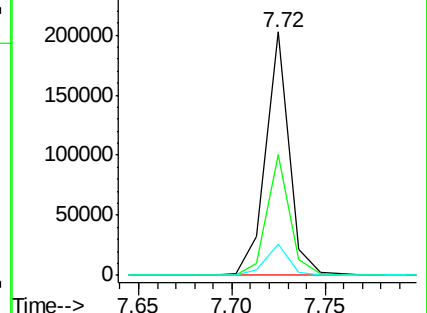
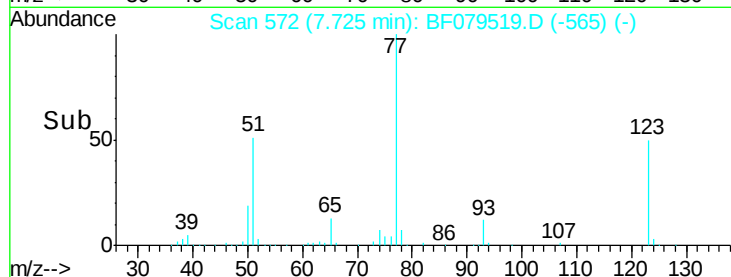
65 12.8 10.6 15.8



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#25

Isophorone

Concen: 43.54 ng

RT: 8.02 min Scan# 598

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

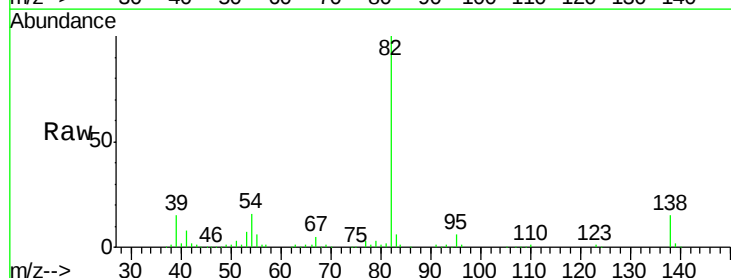
Tgt Ion: 82 Resp: 333831

Ion Ratio Lower Upper

82 100

95 6.4 5.5 8.3

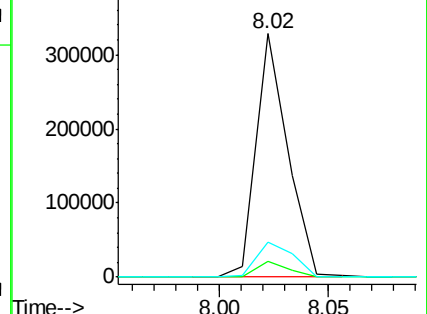
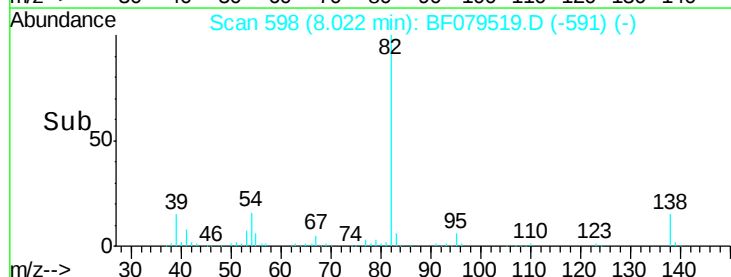
138 14.6 16.1 24.1#

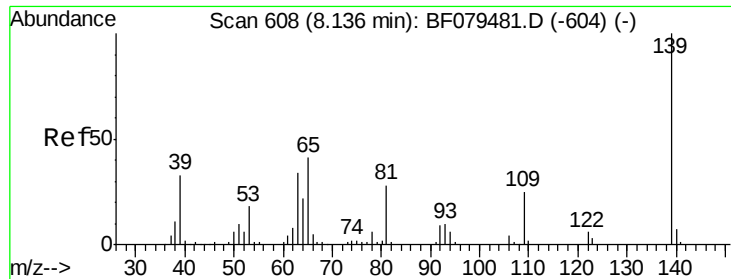


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

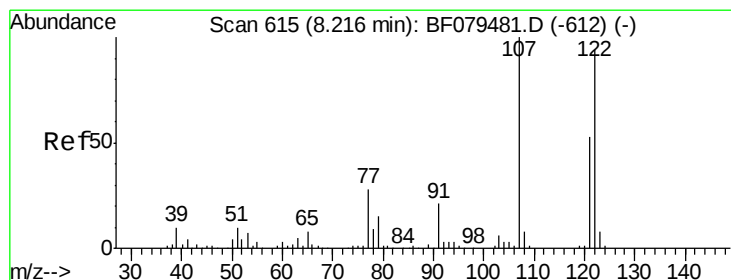
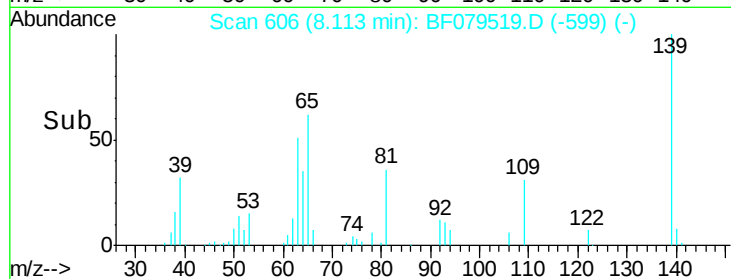
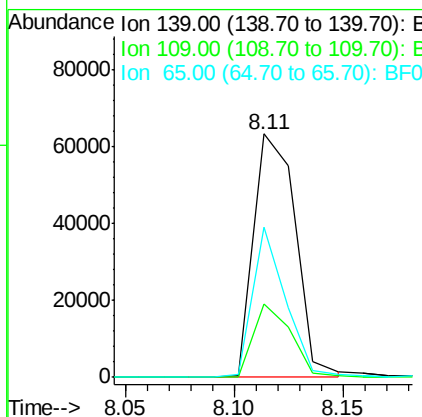
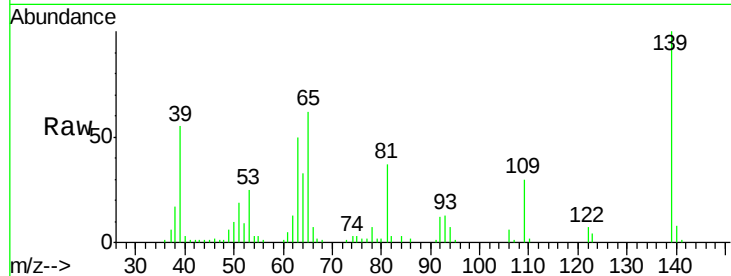




#26
 2-Nitrophenol
 Concen: 43.59 ng
 RT: 8.11 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: BF079519.D
 Acq: 27 May 2015 15:23

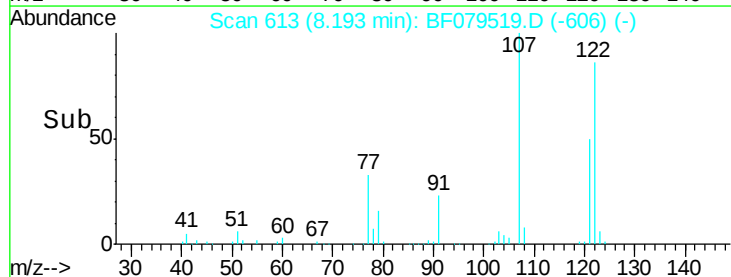
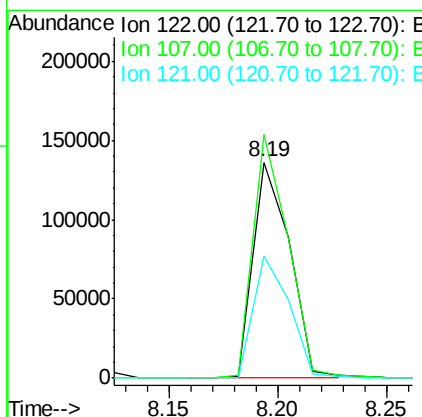
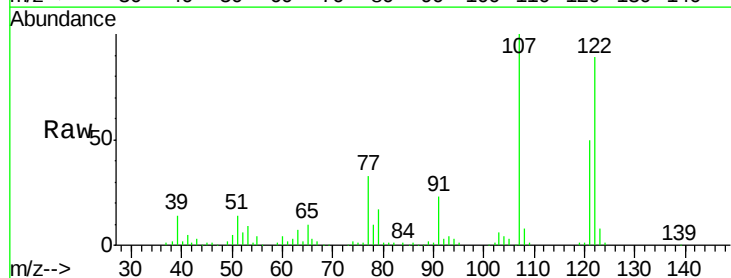
Instrument :
 BNA_F
 ClientSampleId :
 PB83614BS

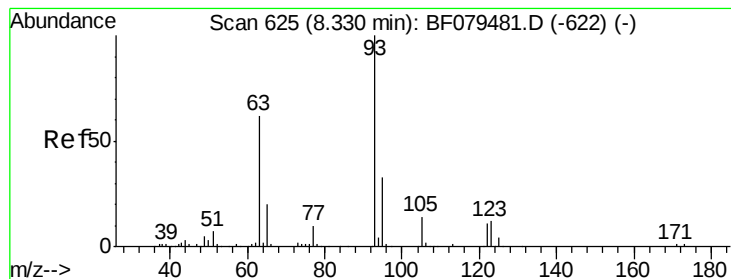
Tgt Ion	Ratio	Lower	Upper
139	100		
109	30.3	20.2	30.2#
65	61.5	32.5	48.7#



#27
 2,4-Dimethylphenol
 Concen: 45.22 ng
 RT: 8.19 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: BF079519.D
 Acq: 27 May 2015 15:23

Tgt Ion	Ratio	Lower	Upper
122	100		
107	112.7	85.2	127.8
121	56.3	45.2	67.8





#28

bis(2-Chloroethoxy)methane

Concen: 44.49 ng

RT: 8.31 min Scan# 623

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

Instrument :

BNA_F

ClientSampleId :

PB83614BS

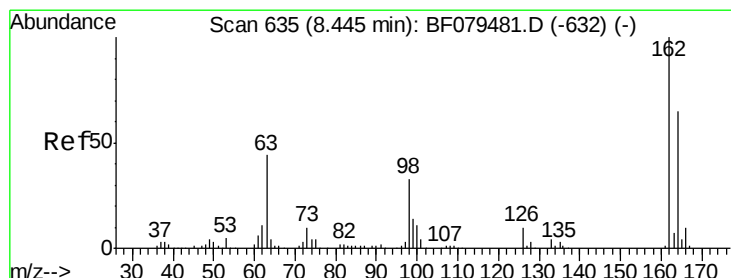
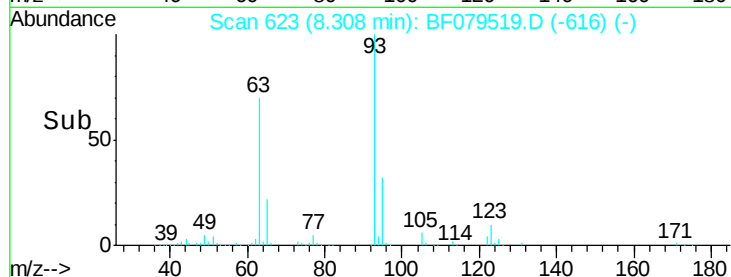
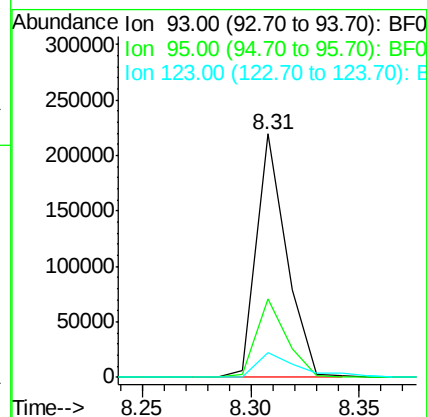
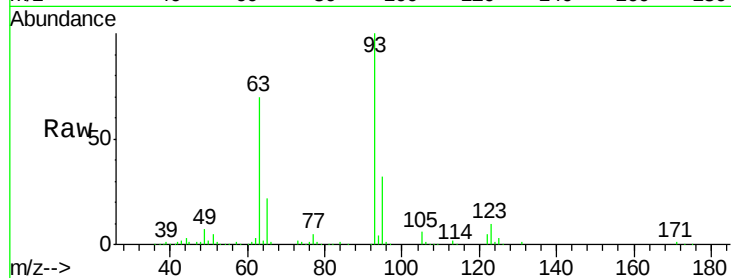
Tgt Ion: 93 Resp: 211439

Ion Ratio Lower Upper

93 100

95 32.2 26.6 39.8

123 10.1 9.4 14.0



#29

2,4-Dichlorophenol

Concen: 47.78 ng

RT: 8.42 min Scan# 633

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

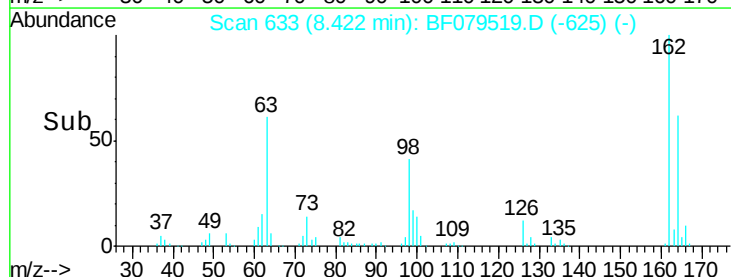
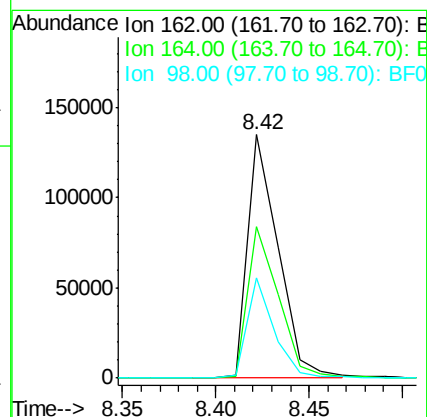
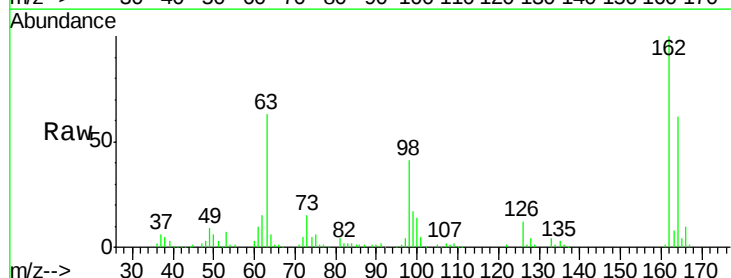
Tgt Ion: 162 Resp: 154418

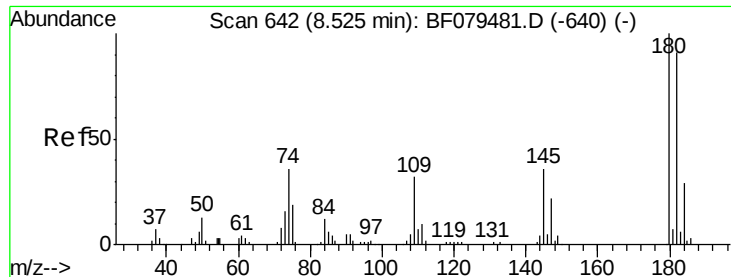
Ion Ratio Lower Upper

162 100

164 62.3 45.0 85.0

98 41.1 13.2 53.2

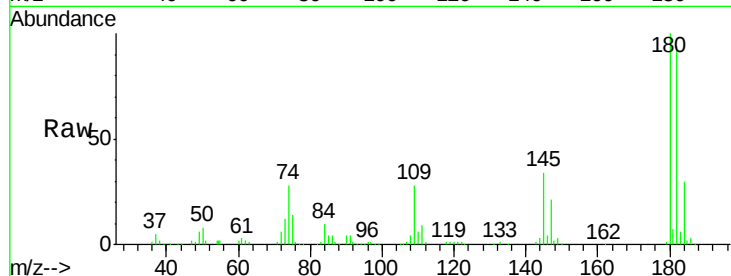




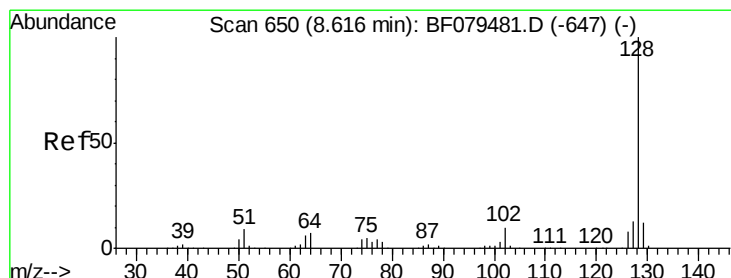
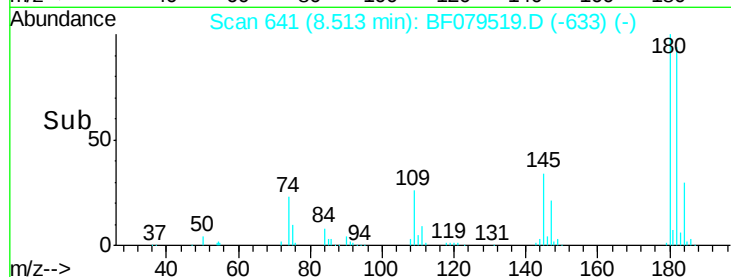
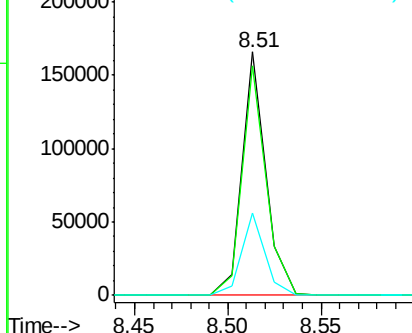
#30
 1,2,4-Trichlorobenzene
 Concen: 44.01 ng
 RT: 8.51 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF079519.D
 Acq: 27 May 2015 15:23

Instrument :
 BNA_F
 ClientSampleId :
 PB83614BS

Tgt Ion:180 Resp: 147565
 Ion Ratio Lower Upper
 180 100
 182 94.3 73.2 109.8
 145 33.6 28.9 43.3

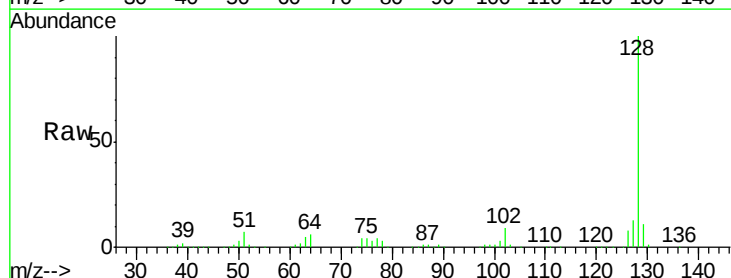


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

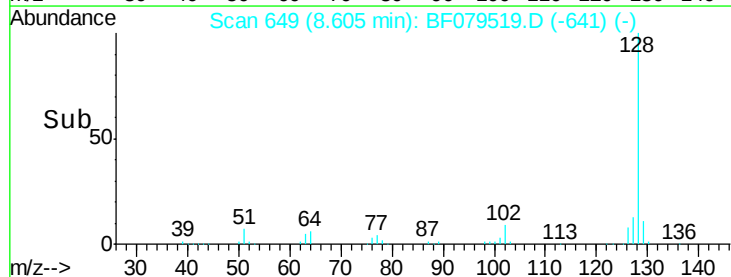
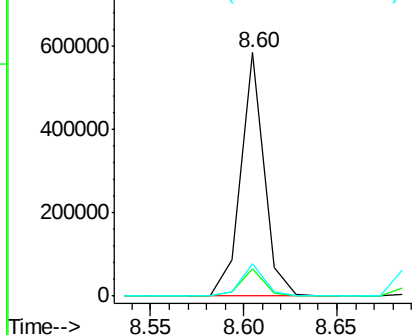


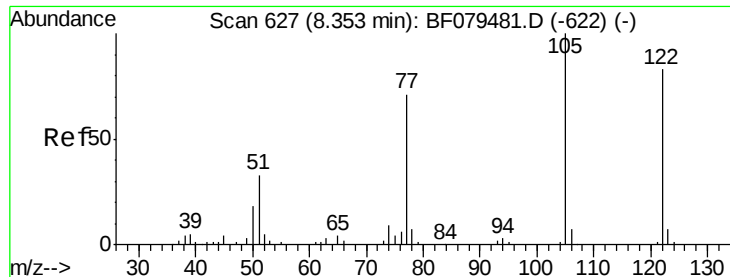
#31
 Naphthalene
 Concen: 43.86 ng
 RT: 8.60 min Scan# 649
 Delta R.T. 0.00 min
 Lab File: BF079519.D
 Acq: 27 May 2015 15:23

Tgt Ion:128 Resp: 511843
 Ion Ratio Lower Upper
 128 100
 129 11.1 9.3 13.9
 127 13.2 10.6 15.8



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





#32

Benzoic acid

Concen: 43.28 ng

RT: 8.34 min Scan# 626

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

Instrument :

BNA_F

ClientSampleId :

PB83614BS

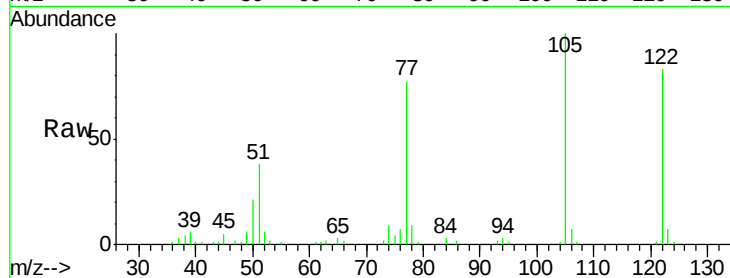
Tgt Ion:122 Resp: 94760

Ion Ratio Lower Upper

122 100

105 120.0 100.2 140.2

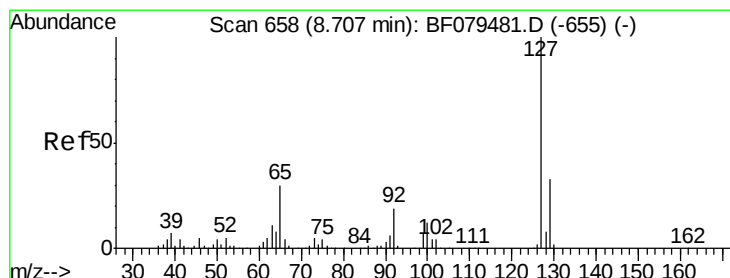
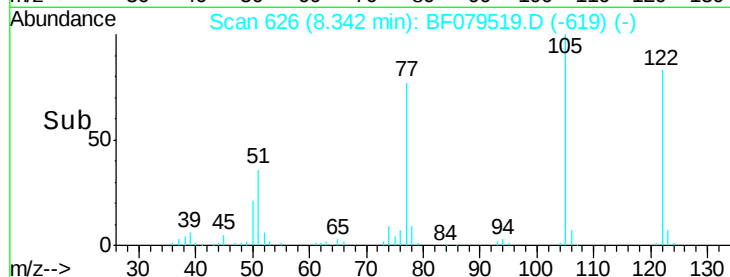
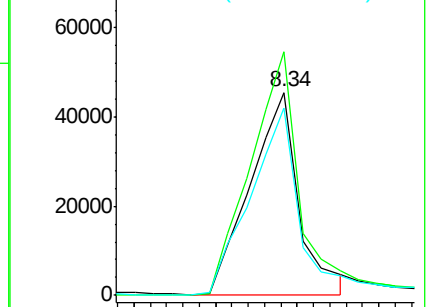
77 92.6 64.8 104.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 30.47 ng

RT: 8.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

Tgt Ion:127 Resp: 148534

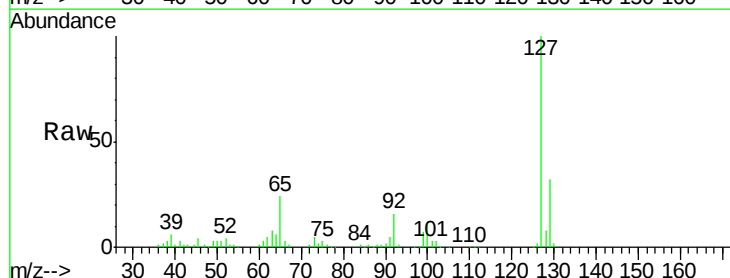
Ion Ratio Lower Upper

127 100

129 32.0 26.2 39.2

65 23.8 24.2 36.4#

92 16.2 15.4 23.0

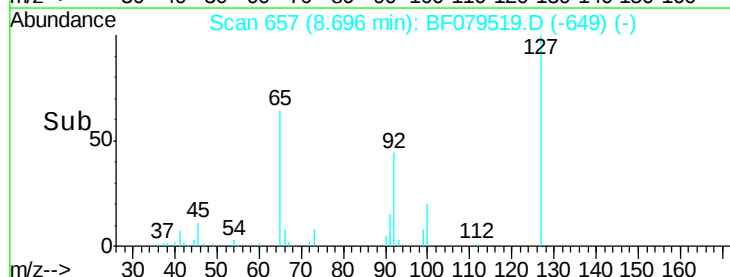
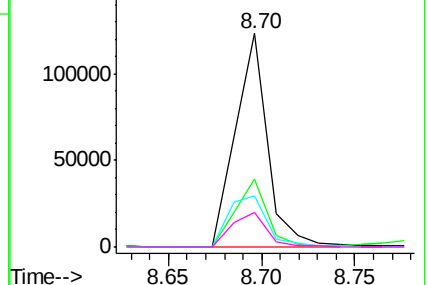


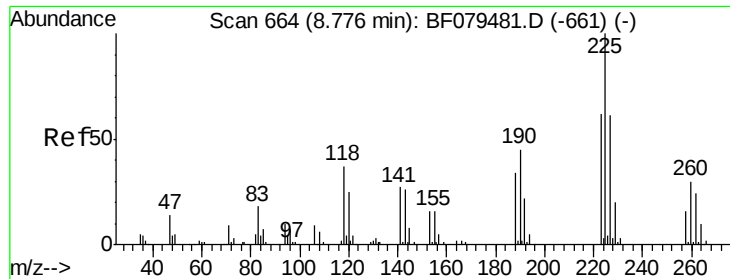
Abundance Ion 127.00 (126.70 to 127.70): E

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





#34

Hexachlorobutadiene

Concen: 43.39 ng

RT: 8.76 min Scan# 663

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

Instrument :

BNA_F

ClientSampleId :

PB83614BS

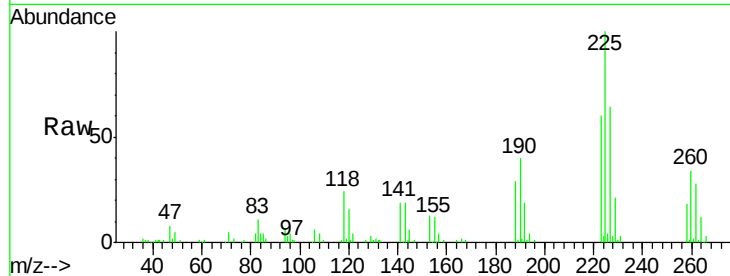
Tgt Ion:225 Resp: 82741

Ion Ratio Lower Upper

225 100

223 59.7 49.9 74.9

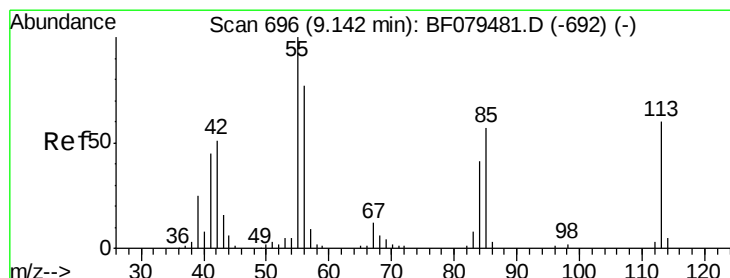
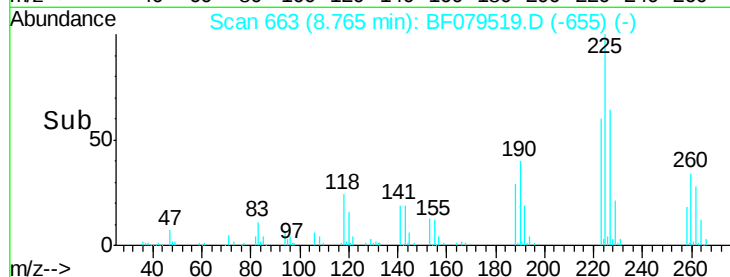
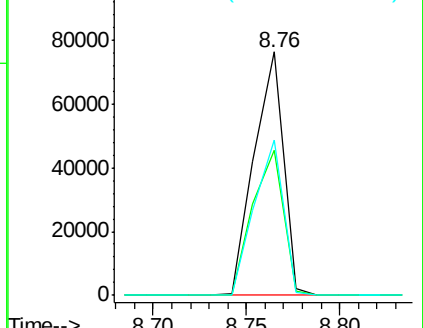
227 63.7 48.9 73.3



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#35

Caprolactam

Concen: 46.66 ng

RT: 9.12 min Scan# 694

Delta R.T. -0.01 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

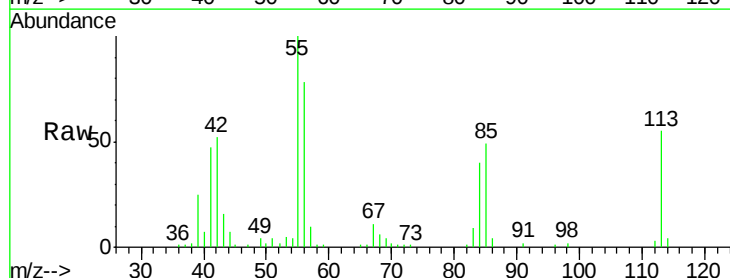
Tgt Ion:113 Resp: 47561

Ion Ratio Lower Upper

113 100

55 182.9 147.2 187.2

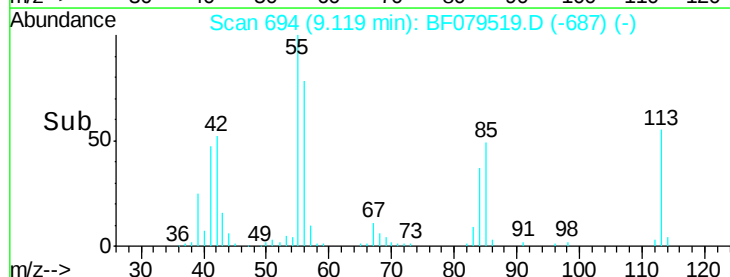
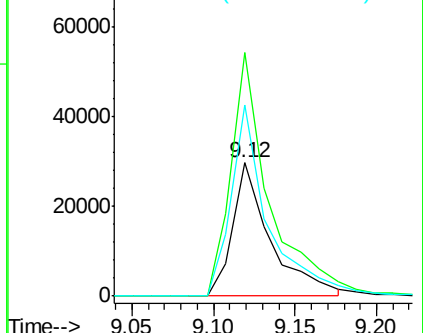
56 143.3 108.6 148.6

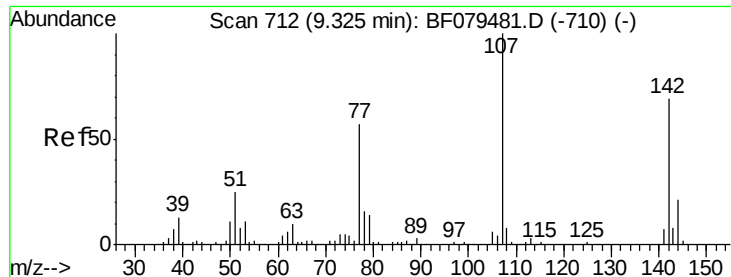


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

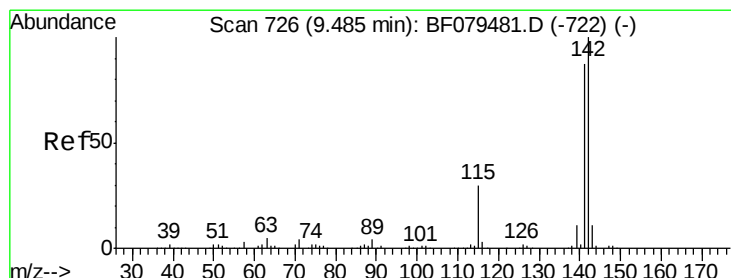
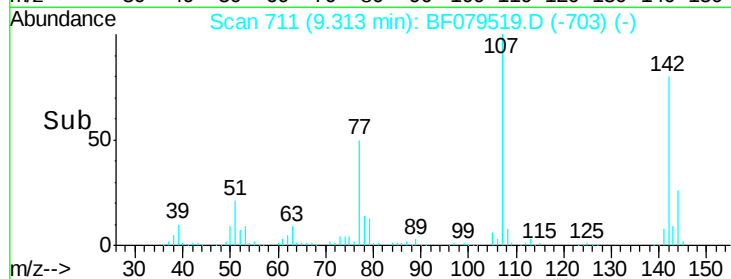
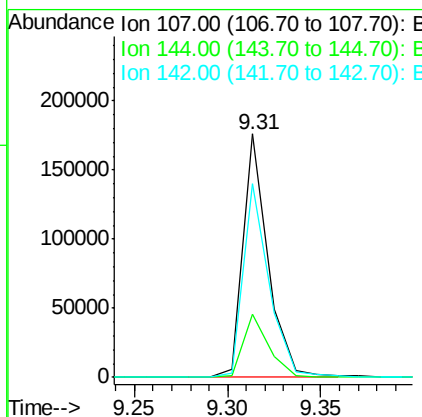
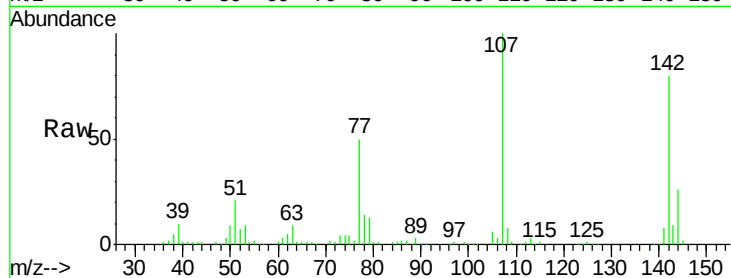




#36
 4-Chloro-3-methylphenol
 Concen: 49.00 ng
 RT: 9.31 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: BF079519.D
 Acq: 27 May 2015 15:23

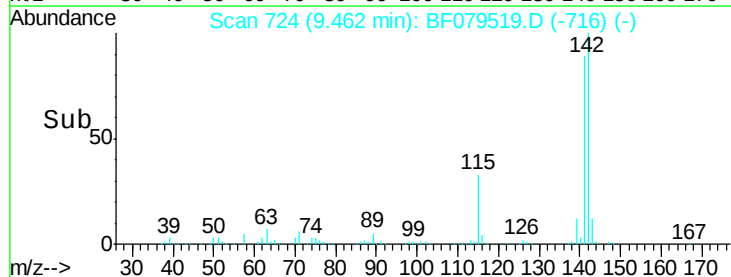
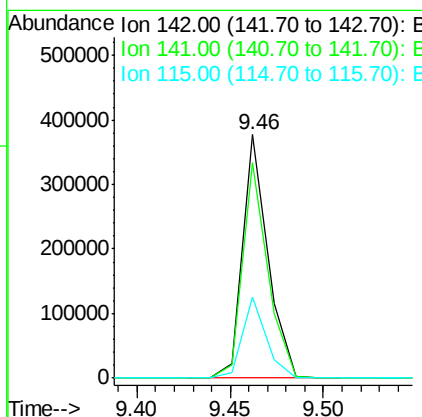
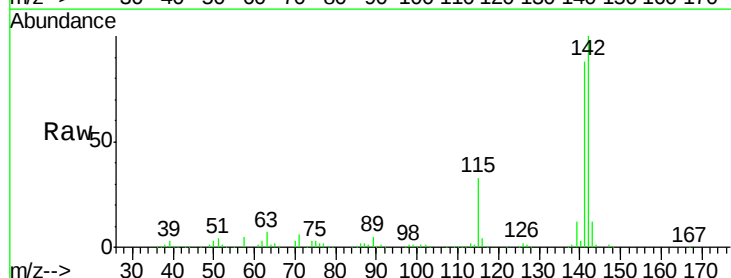
Instrument :
 BNA_F
 ClientSampleId :
 PB83614BS

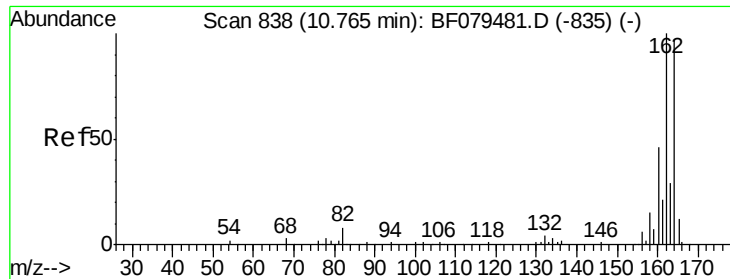
Tgt Ion:107 Resp: 164250
 Ion Ratio Lower Upper
 107 100
 144 26.0 16.9 25.3#
 142 79.8 55.2 82.8



#37
 2-Methylnaphthalene
 Concen: 43.98 ng
 RT: 9.46 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: BF079519.D
 Acq: 27 May 2015 15:23

Tgt Ion:142 Resp: 356317
 Ion Ratio Lower Upper
 142 100
 141 88.5 69.5 104.3
 115 33.3 23.8 35.6





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.74 min Scan# 836

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

Instrument :

BNA_F

ClientSampleId :

PB83614BS

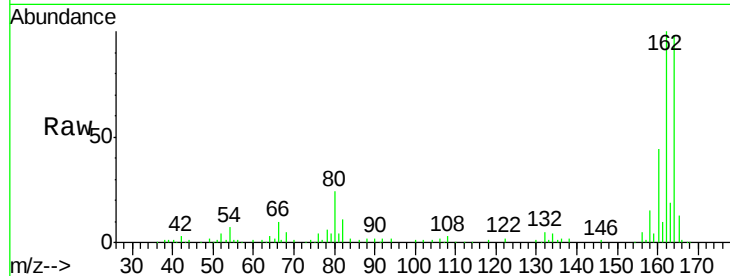
Tgt Ion:164 Resp: 122174

Ion Ratio Lower Upper

164 100

162 101.6 82.6 124.0

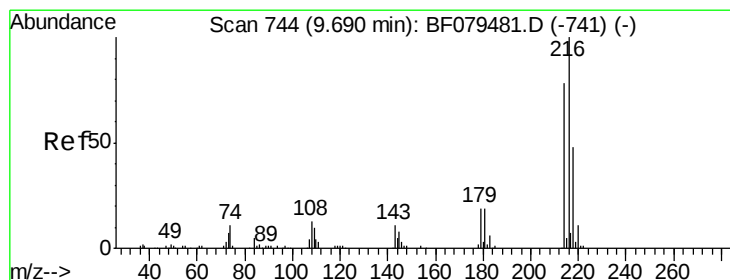
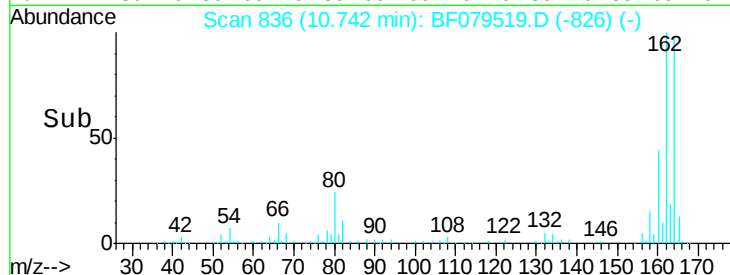
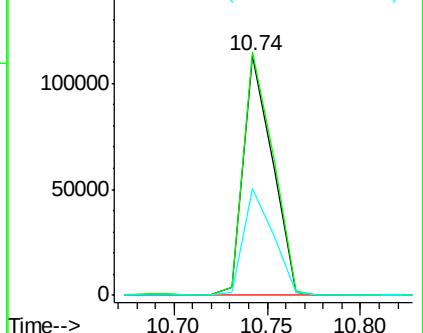
160 44.3 37.7 56.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 41.90 ng

RT: 9.67 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

Tgt Ion:216 Resp: 143176

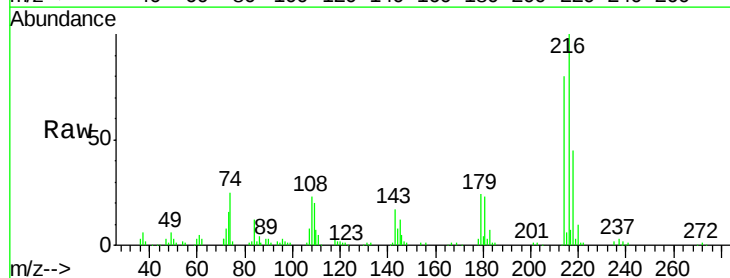
Ion Ratio Lower Upper

216 100

214 78.6 0.0 0.0#

179 22.0 0.0 0.0#

108 21.9 0.0 0.0#

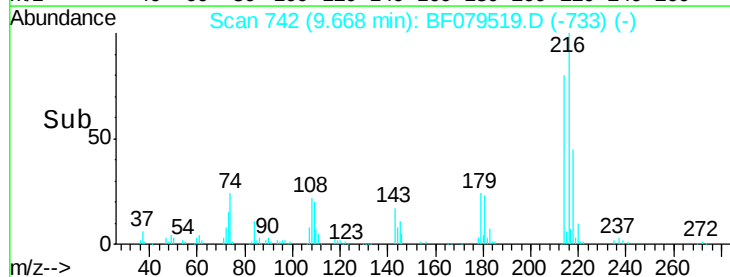
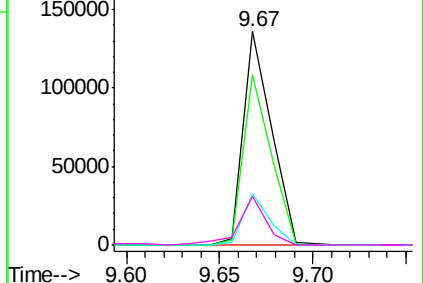


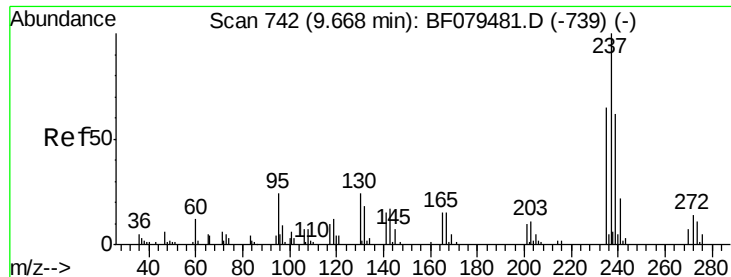
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

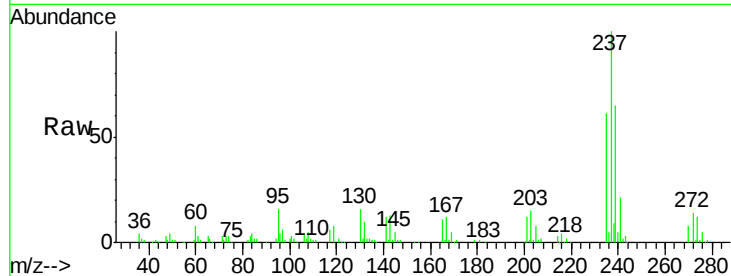




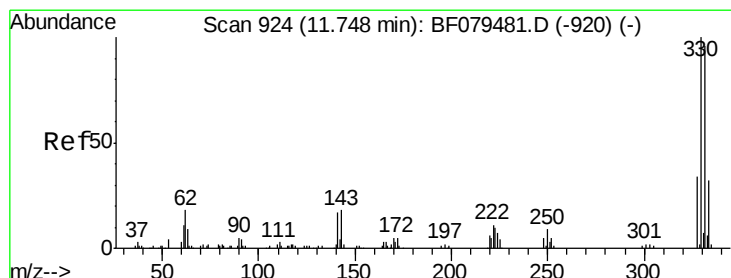
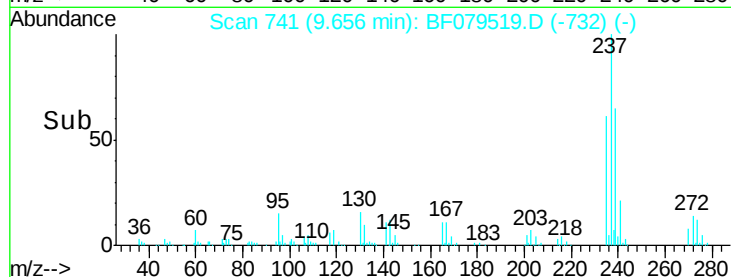
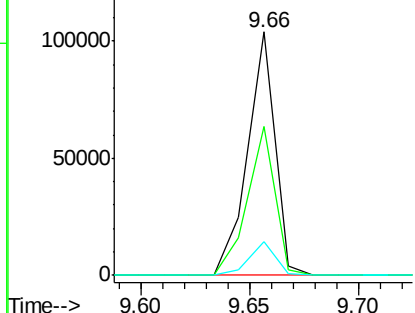
#40
Hexachlorocyclopentadiene
Concen: 82.92 ng
RT: 9.66 min Scan# 741
Delta R.T. 0.00 min
Lab File: BF079519.D
Acq: 27 May 2015 15:23

Instrument :
BNA_F
ClientSampleId :
PB83614BS

Tgt Ion:237 Resp: 90756
Ion Ratio Lower Upper
237 100
235 61.2 45.0 85.0
272 13.8 0.0 33.9

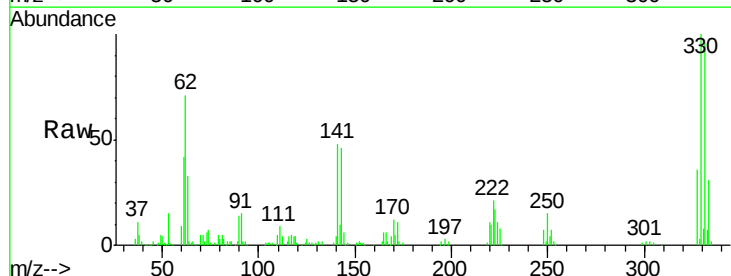


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

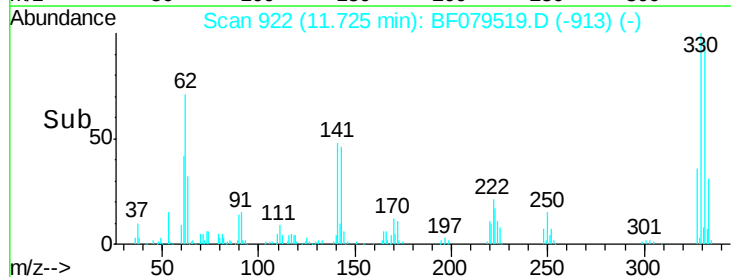
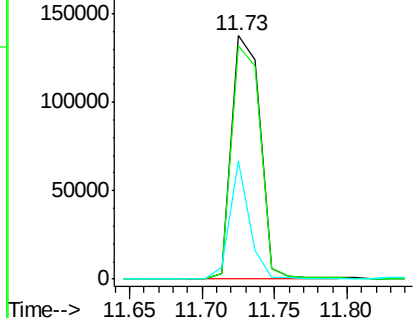


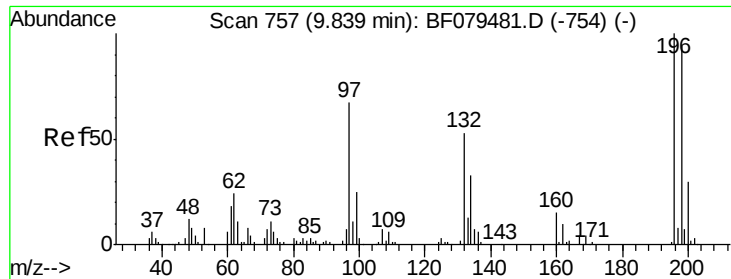
#41
2,4,6-Tribromophenol
Concen: 140.56 ng
RT: 11.73 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF079519.D
Acq: 27 May 2015 15:23

Tgt Ion:330 Resp: 188616
Ion Ratio Lower Upper
330 100
332 97.0 0.0 0.0#
141 33.5 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

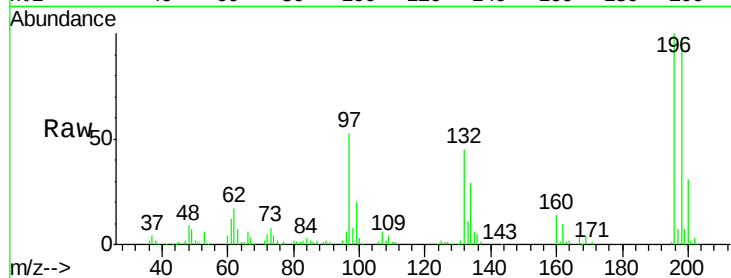




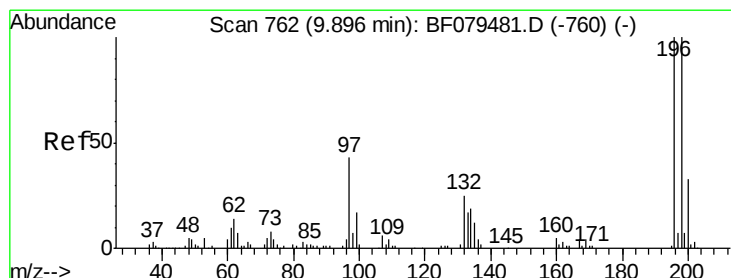
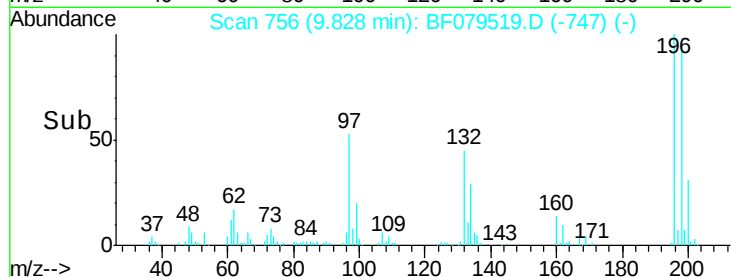
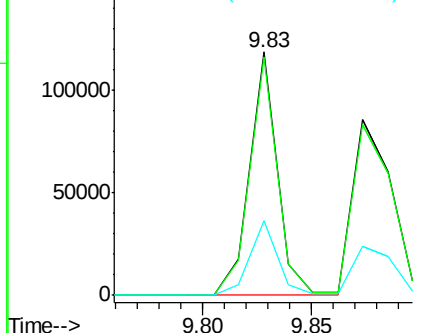
#42
 2,4,6-Trichlorophenol
 Concen: 44.44 ng
 RT: 9.83 min Scan# 756
 Delta R.T. 0.00 min
 Lab File: BF079519.D
 Acq: 27 May 2015 15:23

Instrument :
 BNA_F
 ClientSampleId :
 PB83614BS

Tgt Ion:196 Resp: 106047
 Ion Ratio Lower Upper
 196 100
 198 98.2 75.3 112.9
 200 30.6 23.8 35.8

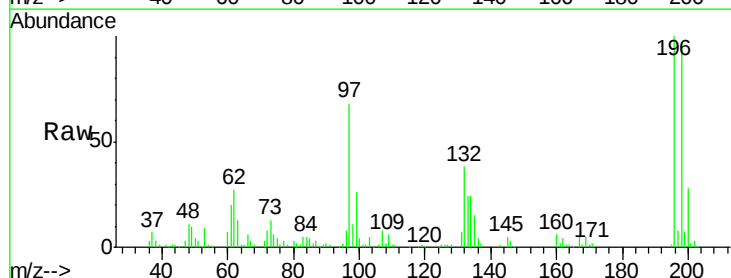


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

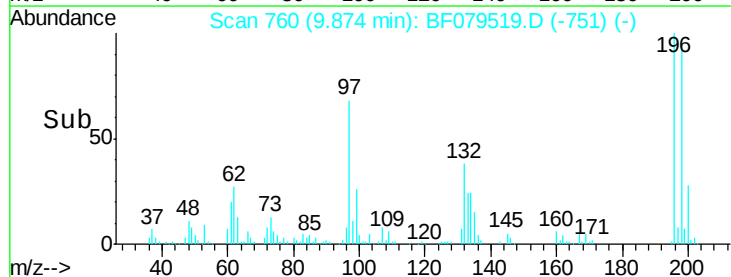
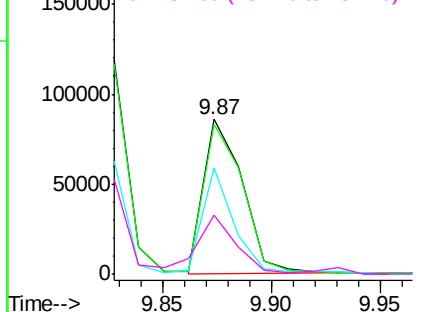


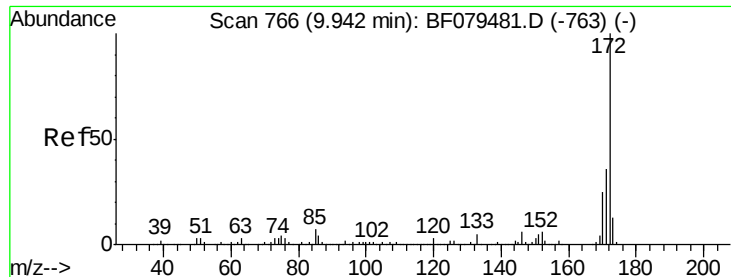
#43
 2,4,5-Trichlorophenol
 Concen: 44.57 ng
 RT: 9.87 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: BF079519.D
 Acq: 27 May 2015 15:23

Tgt Ion:196 Resp: 105871
 Ion Ratio Lower Upper
 196 100
 198 97.1 80.3 120.5
 97 68.4 34.8 52.2#
 132 38.0 20.6 31.0#



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E





#44

2-Fluorobiphenyl

Concen: 87.96 ng

RT: 9.93 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

Instrument :

BNA_F

ClientSampleId :

PB83614BS

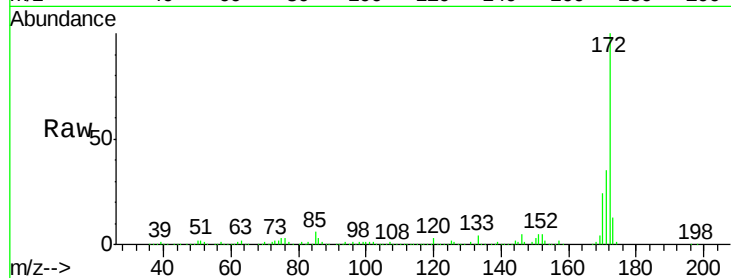
Tgt Ion:172 Resp: 753221

Ion Ratio Lower Upper

172 100

171 35.0 28.5 42.7

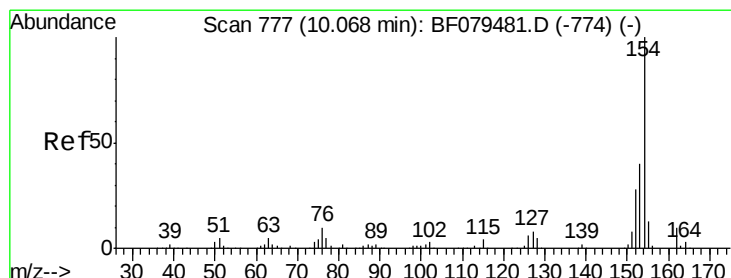
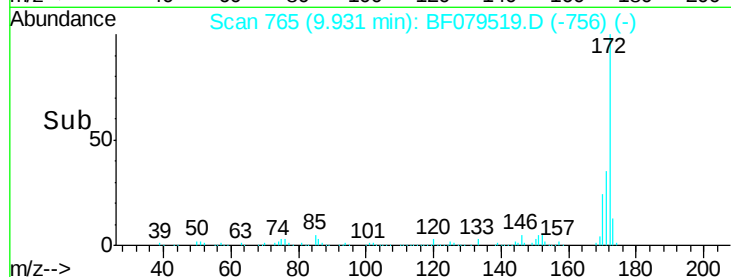
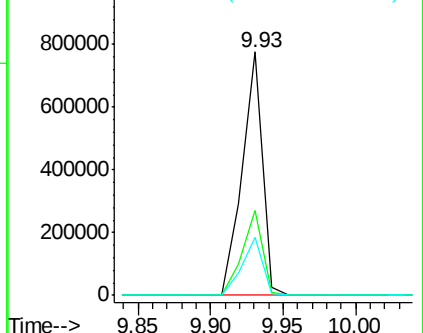
170 24.0 19.7 29.5



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: 44.31 ng

RT: 10.04 min Scan# 775

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

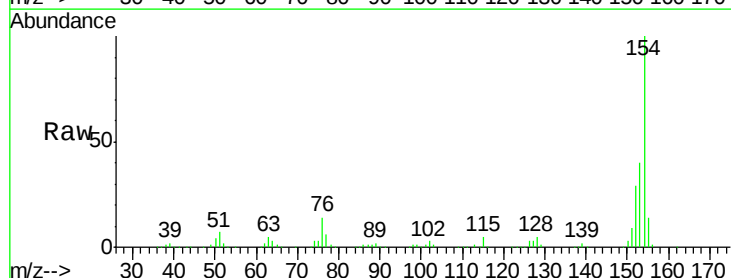
Tgt Ion:154 Resp: 422809

Ion Ratio Lower Upper

154 100

153 40.0 19.5 59.5

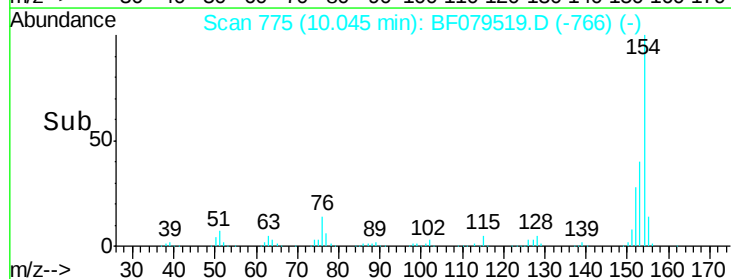
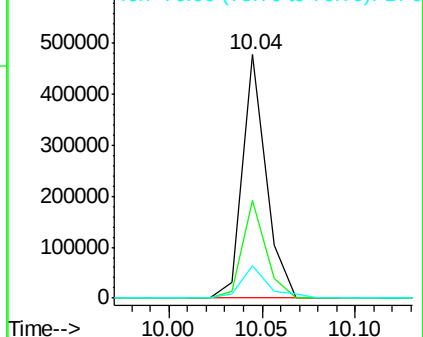
76 13.5 0.0 29.6

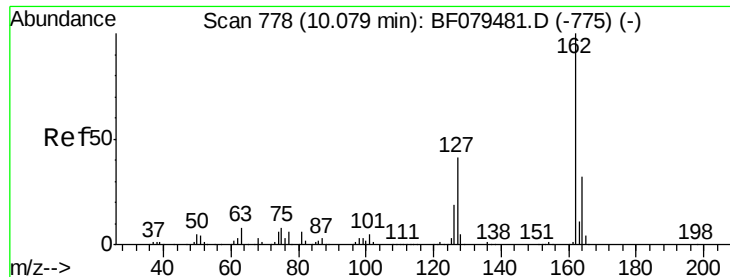


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

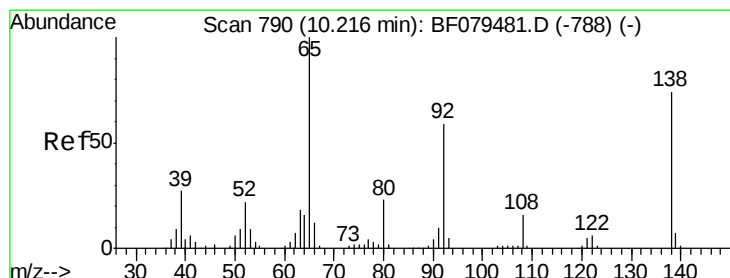
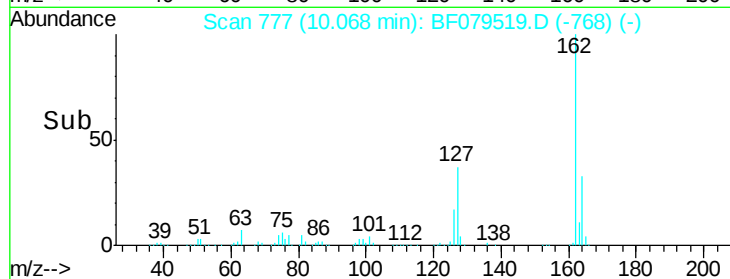
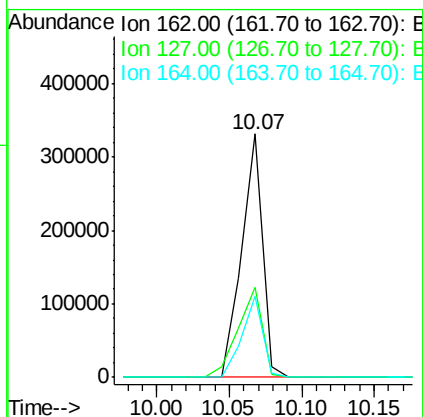
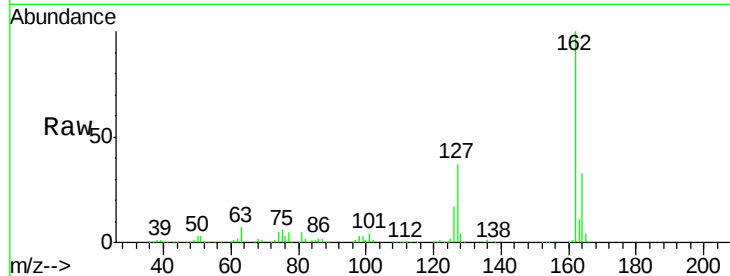




#46
 2-Chloronaphthalene
 Concen: 43.91 ng
 RT: 10.07 min Scan# 777
 Delta R.T. 0.00 min
 Lab File: BF079519.D
 Acq: 27 May 2015 15:23

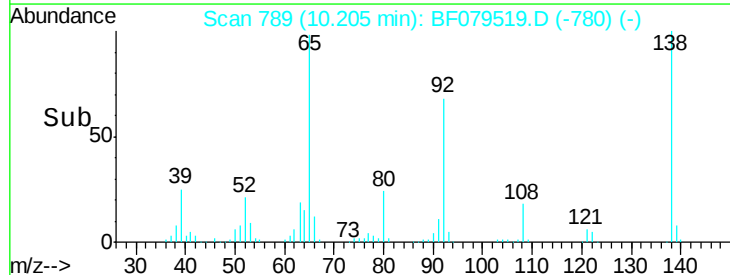
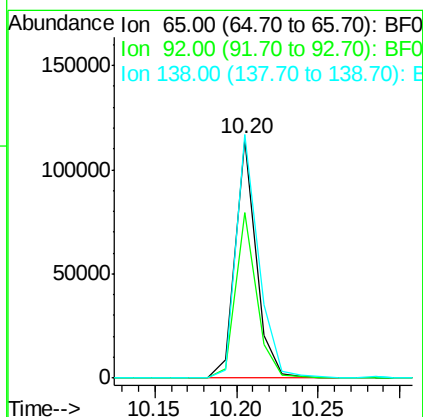
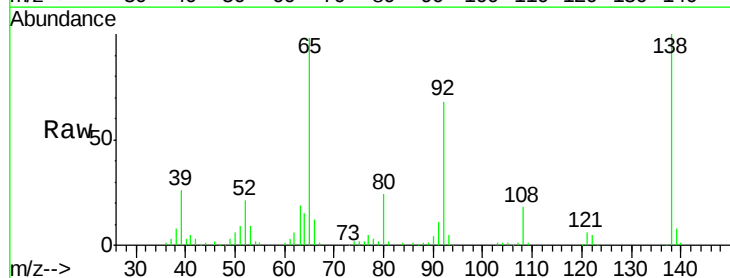
Instrument :
 BNA_F
 ClientSampleId :
 PB83614BS

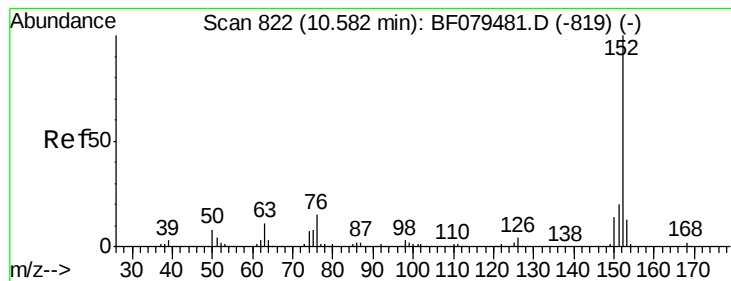
Tgt Ion: 162 Resp: 330941
 Ion Ratio Lower Upper
 162 100
 127 36.9 32.7 49.1
 164 33.5 25.8 38.6



#47
 2-Nitroaniline
 Concen: 45.23 ng
 RT: 10.20 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF079519.D
 Acq: 27 May 2015 15:23

Tgt Ion: 65 Resp: 101342
 Ion Ratio Lower Upper
 65 100
 92 69.1 47.2 70.8
 138 101.9 59.2 88.8#





#48

Acenaphthylene

Concen: 43.92 ng

RT: 10.57 min Scan# 821

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

Instrument :

BNA_F

ClientSampleId :

PB83614BS

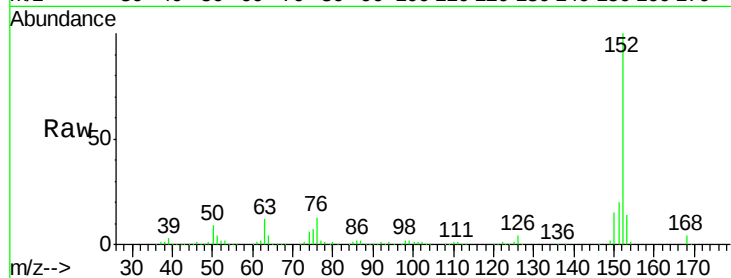
Tgt Ion:152 Resp: 549396

Ion Ratio Lower Upper

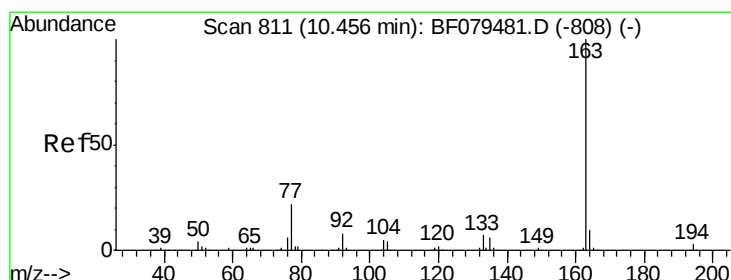
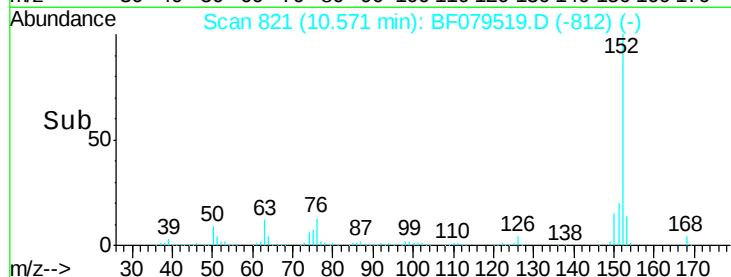
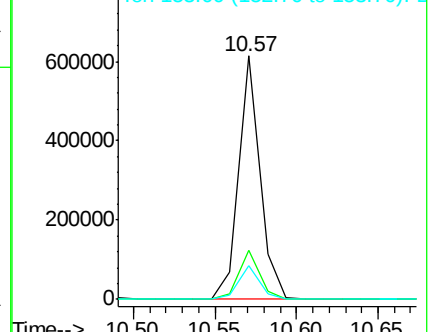
152 100

151 20.1 15.8 23.8

153 13.6 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 46.95 ng

RT: 10.45 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

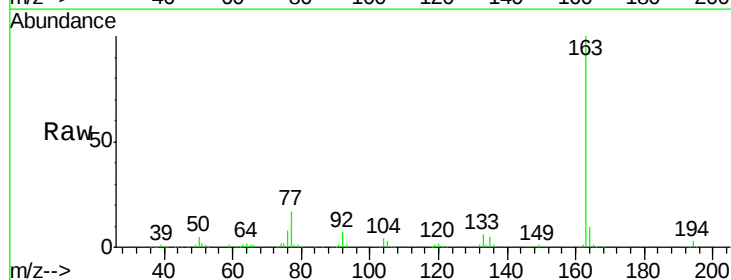
Tgt Ion:163 Resp: 422682

Ion Ratio Lower Upper

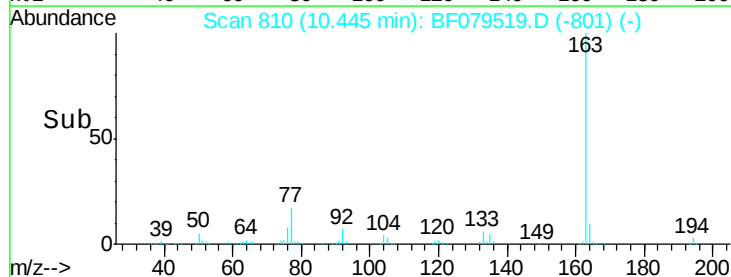
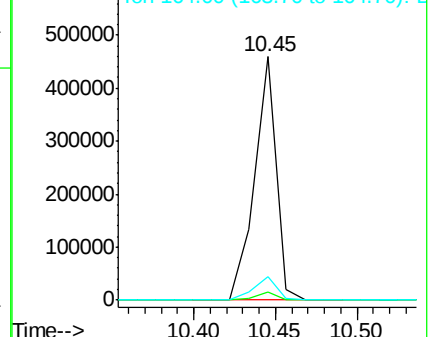
163 100

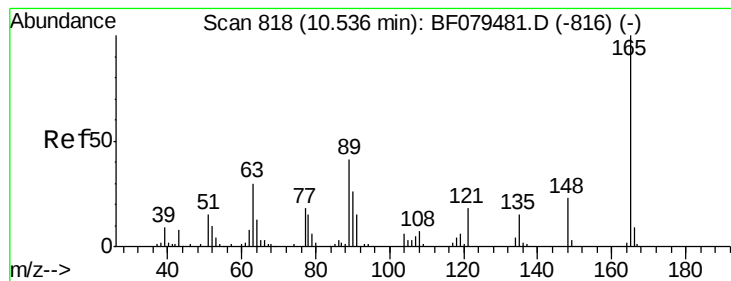
194 3.4 2.4 3.6

164 9.9 8.2 12.4



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





#50

2,6-Dinitrotoluene

Concen: 46.93 ng

RT: 10.51 min Scan# 816

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

Instrument :

BNA_F

ClientSampleId :

PB83614BS

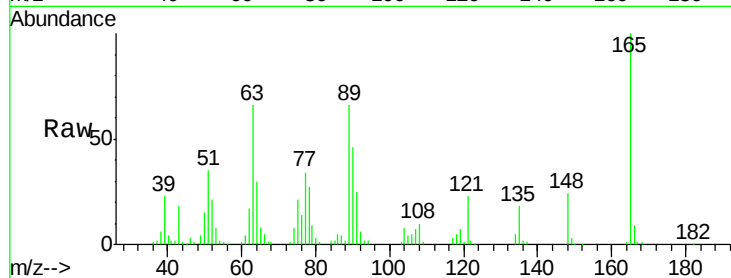
Tgt Ion:165 Resp: 84409

Ion Ratio Lower Upper

165 100

63 65.5 27.7 41.5#

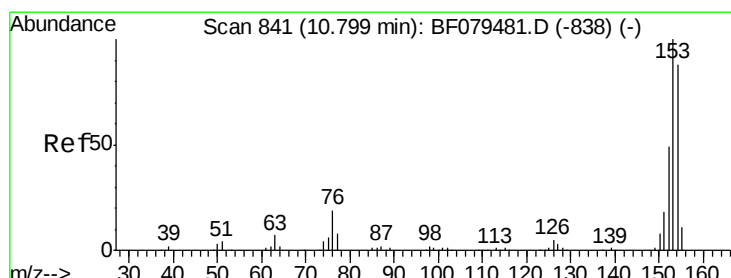
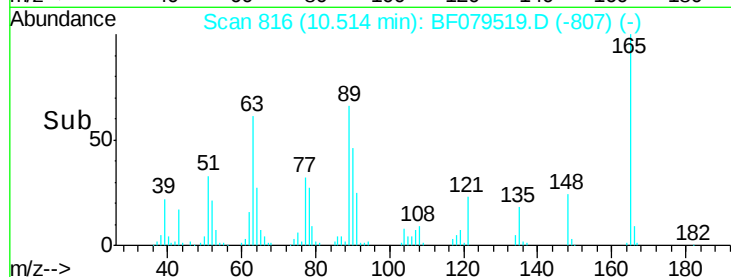
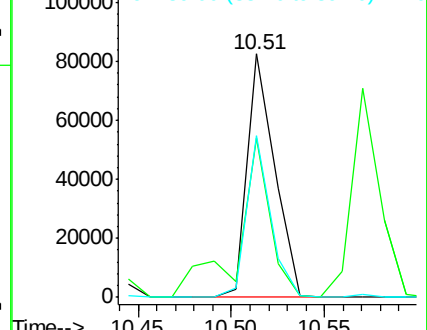
89 66.5 33.7 50.5#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51

Acenaphthene

Concen: 44.72 ng

RT: 10.79 min Scan# 840

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

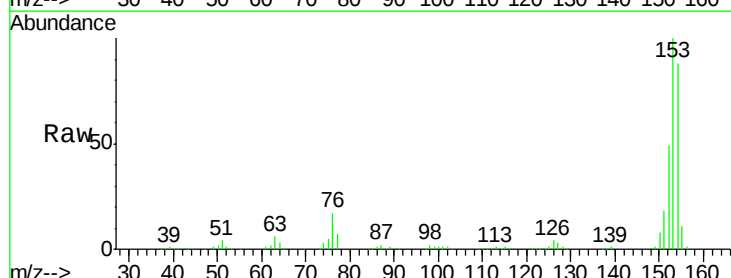
Tgt Ion:154 Resp: 319926

Ion Ratio Lower Upper

154 100

153 113.1 91.1 136.7

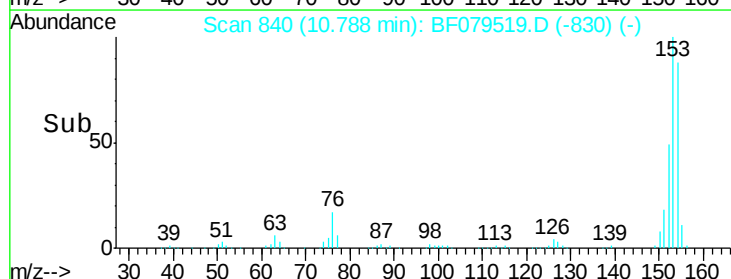
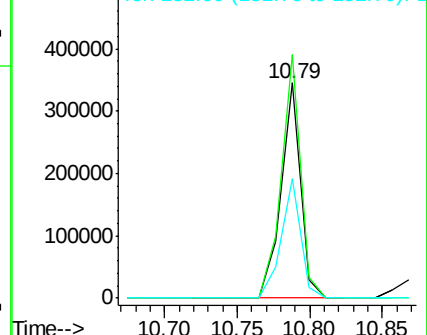
152 55.5 44.6 66.8

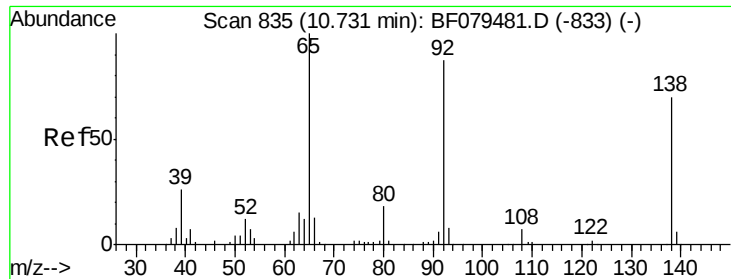


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

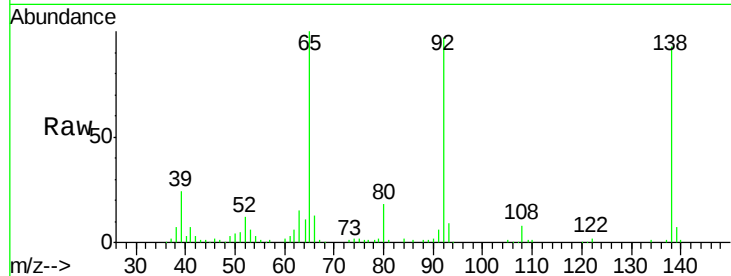




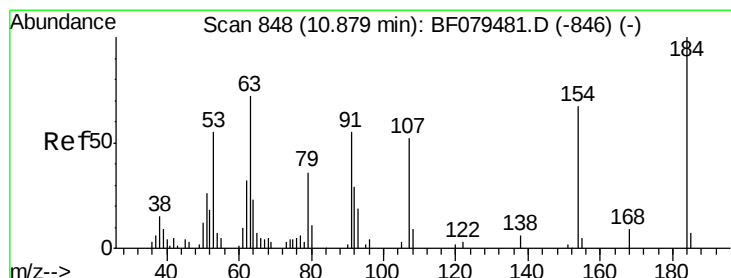
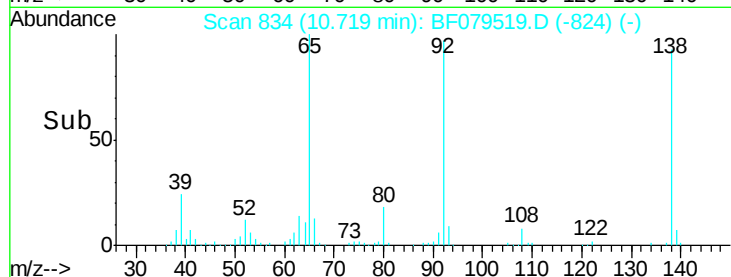
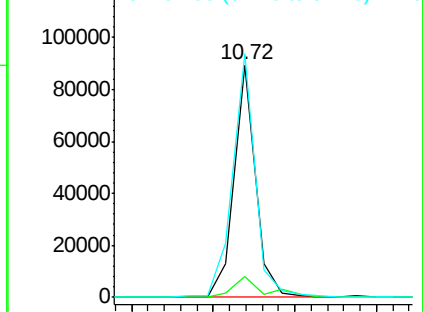
#52
 3-Nitroaniline
 Concen: 34.72 ng
 RT: 10.72 min Scan# 834
 Delta R.T. 0.00 min
 Lab File: BF079519.D
 Acq: 27 May 2015 15:23

Instrument :
 BNA_F
 ClientSampleId :
 PB83614BS

Tgt Ion:138 Resp: 81224
 Ion Ratio Lower Upper
 138 100
 108 9.1 8.0 12.0
 92 104.8 99.9 149.9

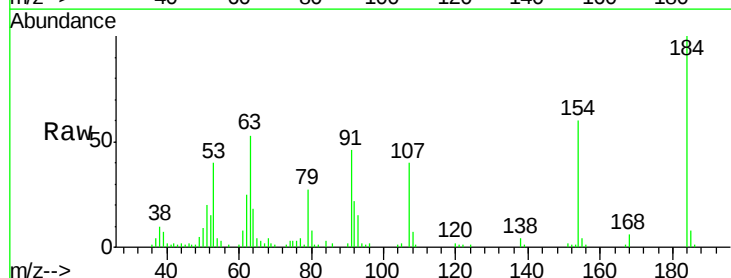


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF0

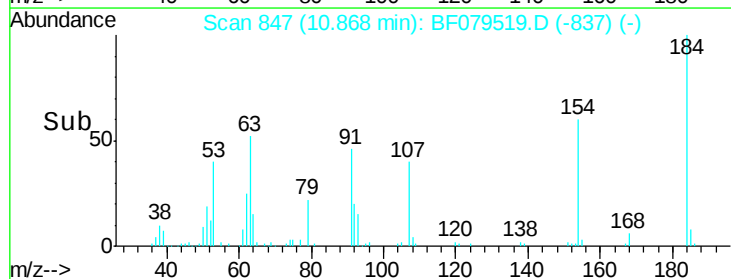
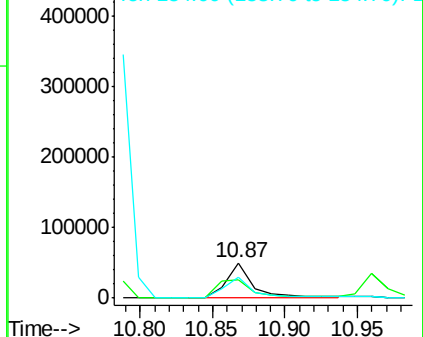


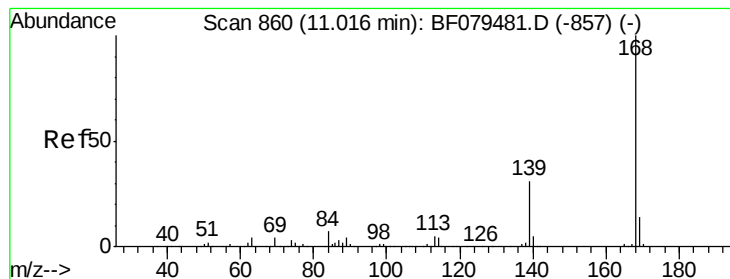
#53
 2,4-Dinitrophenol
 Concen: 84.36 ng
 RT: 10.87 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: BF079519.D
 Acq: 27 May 2015 15:23

Tgt Ion:184 Resp: 66790
 Ion Ratio Lower Upper
 184 100
 63 53.0 57.7 86.5#
 154 60.3 53.4 80.2



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 46.24 ng

RT: 11.01 min Scan# 859

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

Instrument :

BNA_F

ClientSampleId :

PB83614BS

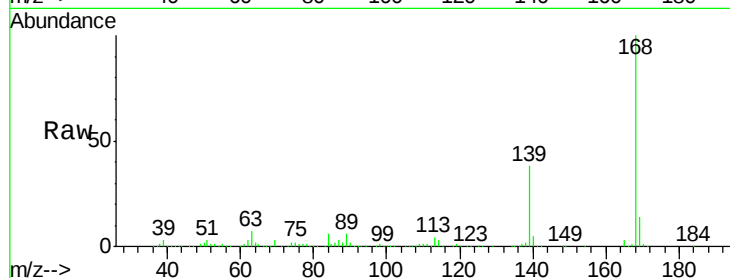
Tgt Ion:168 Resp: 487853

Ion Ratio Lower Upper

168 100

139 38.3 32.9 49.3

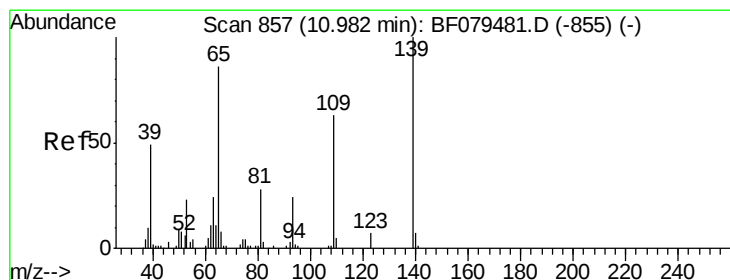
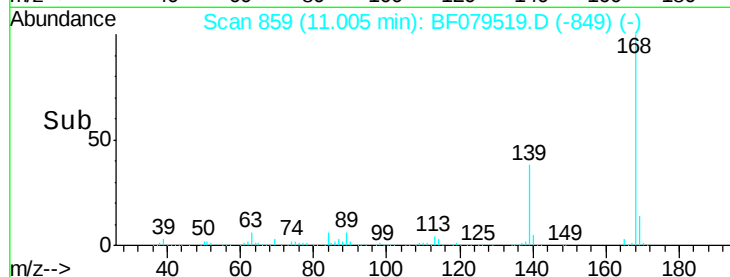
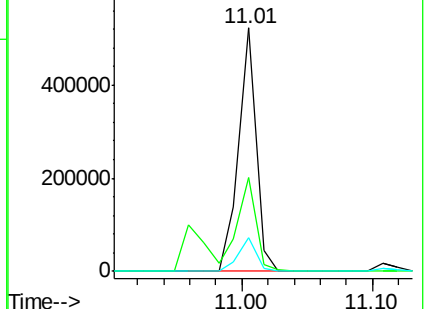
169 13.7 11.1 16.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 94.37 ng

RT: 10.96 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

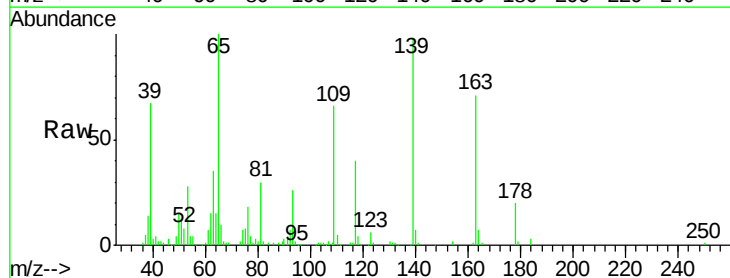
Tgt Ion:139 Resp: 122421

Ion Ratio Lower Upper

139 100

109 67.6 42.8 82.8

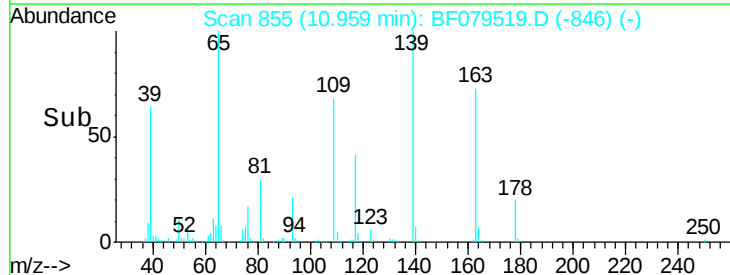
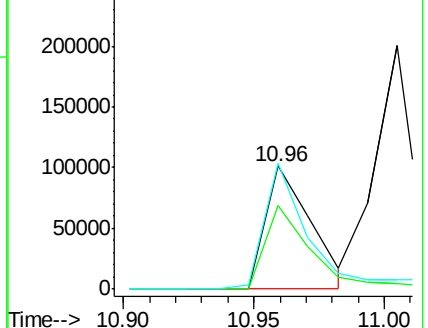
65 102.4 66.3 106.3

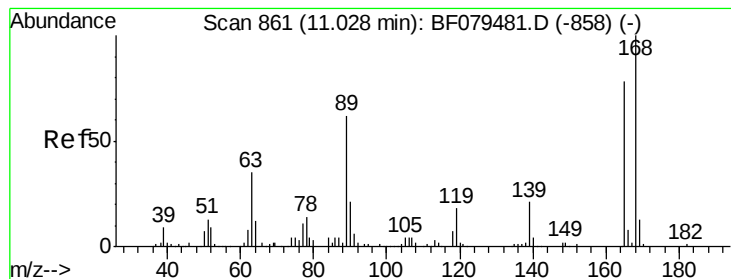


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 49.00 ng

RT: 11.02 min Scan# 860

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

Instrument :

BNA_F

ClientSampleId :

PB83614BS

Tgt Ion:165 Resp: 118190

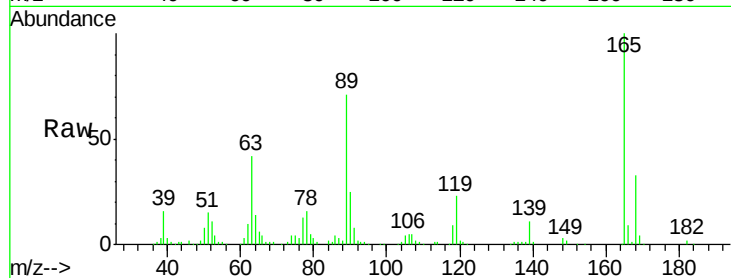
Ion Ratio Lower Upper

165 100

63 42.2 39.5 59.3

89 71.0 64.2 96.4

182 2.3 1.5 2.3

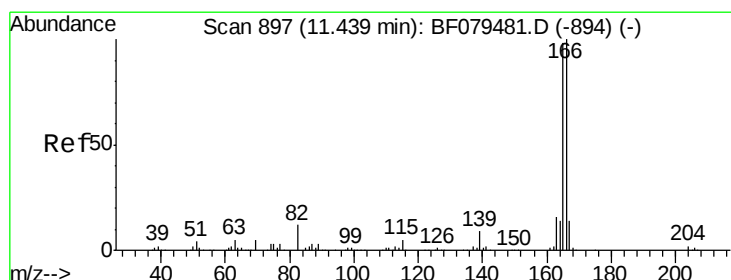
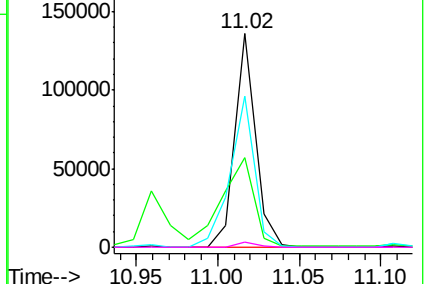
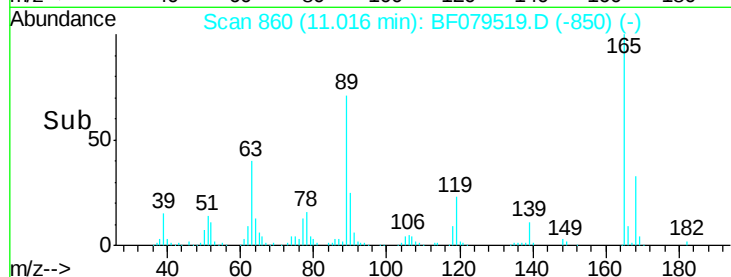


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 46.93 ng

RT: 11.43 min Scan# 896

Delta R.T. 0.00 min

Lab File: BF079519.D

Acq: 27 May 2015 15:23

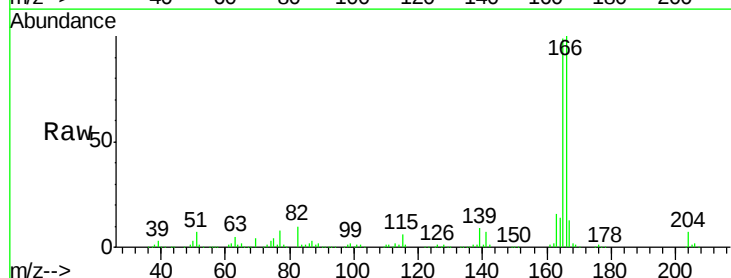
Tgt Ion:166 Resp: 408097

Ion Ratio Lower Upper

166 100

165 98.7 78.6 117.8

167 13.2 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

