

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041715\
 Data File : BF078609.D
 Acq On : 17 Apr 2015 17:03
 Operator : TP/IZ
 Sample : PB82843BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB82843BS

Quant Time: Apr 17 23:42:55 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 23:28:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	46831	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	191104	20.00	ng	0.00
38) Acenaphthene-d10	10.41	164	100452	20.00	ng	0.00
63) Phenanthrene-d10	12.22	188	201057	20.00	ng	0.00
75) Chrysene-d12	15.46	240	215596	20.00	ng	0.00
86) Perylene-d12	17.17	264	216217	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	4.90	112	263189	92.66	ng	0.00
7) Phenol-d6	6.28	99	332510	93.41	ng	0.00
23) Nitrobenzene-d5	7.38	82	196741	62.40	ng	0.00
41) 2,4,6-Tribromophenol	11.38	330	91916	110.33	ng	0.00
44) 2-Fluorobiphenyl	9.60	172	416594	59.28	ng	0.00
78) Terphenyl-d14	14.21	244	520605	54.56	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.48	88	26214	20.41	ng	# 23
3) Pyridine	2.01	79	87179	25.91	ng	97
4) n-Nitrosodimethylamine	1.96	42	27097	20.92	ng	96
6) Aniline	6.26	93	87078	17.25	ng	# 87
8) 2-Chlorophenol	6.41	128	97760	29.11	ng	92
9) Benzaldehyde	6.11	77	16647	7.06	ng	99
10) Phenol	6.30	94	118173	27.71	ng	91
11) bis(2-Chloroethyl)ether	6.39	93	86194	28.10	ng	98
12) 1,3-Dichlorobenzene	6.59	146	101735	27.58	ng	# 92
13) 1,4-Dichlorobenzene	6.70	146	102280	27.54	ng	97
14) 1,2-Dichlorobenzene	6.88	146	96730	27.78	ng	95
15) Benzyl Alcohol	6.88	79	78161	31.25	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.06	45	116546	28.49	ng	82
17) 2-Methylphenol	7.05	107	78000	29.91	ng	96
18) Hexachloroethane	7.29	117	36010	28.76	ng	# 86
19) n-Nitroso-di-n-propylamine	7.22	70	68689	29.25	ng	92
20) 3+4-Methylphenols	7.24	107	104777	30.12	ng	98
22) Acetophenone	7.20	105	133717	30.03	ng	# 91
24) Nitrobenzene	7.40	77	98373	29.85	ng	89
25) Isophorone	7.71	82	175724	29.37	ng	99
26) 2-Nitrophenol	7.79	139	47841	30.46	ng	# 79
27) 2,4-Dimethylphenol	7.90	122	87523	29.97	ng	99
28) bis(2-Chloroethoxy)methane	8.01	93	109127	28.44	ng	99
29) 2,4-Dichlorophenol	8.10	162	82023	30.87	ng	89
30) 1,2,4-Trichlorobenzene	8.19	180	86861	28.51	ng	98
31) Naphthalene	8.27	128	273513	27.50	ng	99
32) Benzoic acid	8.04	122	50994	38.44	ng	93
33) 4-Chloroaniline	8.38	127	73789	17.88	ng	97
34) Hexachlorobutadiene	8.44	225	47591	28.45	ng	99
35) Caprolactam	8.81	113	25528	32.19	ng	94
36) 4-Chloro-3-methylphenol	9.00	107	85924	32.05	ng	93
37) 2-Methylnaphthalene	9.13	142	192085	28.44	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.35	216	84206	27.05	ng	98
40) Hexachlorocyclopentadiene	9.32	237	72048	56.01	ng	97

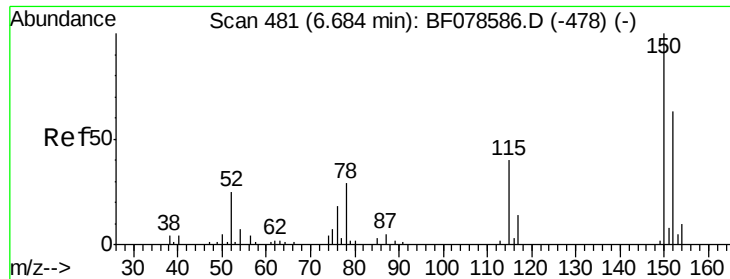
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041715\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.51	196	56963	29.02	ng	96
43) 2,4,5-Trichlorophenol	9.55	196	62046	30.26	ng	# 89
45) 1,1'-Biphenyl	9.72	154	228270	27.78	ng	100
46) 2-Chloronaphthalene	9.74	162	181016	28.00	ng	94
47) 2-Nitroaniline	9.87	65	49164	30.74	ng	93
48) Acenaphthylene	10.23	152	289127	27.70	ng	99
49) Dimethylphthalate	10.12	163	225109	29.83	ng	98
50) 2,6-Dinitrotoluene	10.19	165	48712	31.37	ng	# 76
51) Acenaphthene	10.44	154	169135	28.78	ng	100
52) 3-Nitroaniline	10.39	138	40000	22.66	ng	93
54) Dibenzofuran	10.66	168	274753	30.61	ng	98
55) 4-Nitrophenol	10.66	139	175187	132.87	ng	# 23
56) 2,4-Dinitrotoluene	10.68	165	68630	34.13	ng	96
57) Fluorene	11.08	166	224788	30.89	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.78	232	45645	30.02	ng	91
59) Diethylphthalate	10.99	149	230630	31.69	ng	99
60) 4-Chlorophenyl-phenylether	11.10	204	97061	28.99	ng	# 77
61) 4-Nitroaniline	11.13	138	47256	26.48	ng	90
62) Azobenzene	11.29	77	229311	34.53	ng	95
64) 4,6-Dinitro-2-methylphenol	11.18	198	30497	33.67	ng	91
65) n-Nitrosodiphenylamine	11.26	169	196162	28.21	ng	99
66) 4-Bromophenyl-phenylether	11.69	248	61292	28.79	ng	93
67) Hexachlorobenzene	11.75	284	67042	28.73	ng	# 93
68) Atrazine	11.93	200	63820	31.68	ng	94
69) Pentachlorophenol	12.00	266	60776	60.80	ng	99
70) Phenanthrene	12.25	178	333218	28.65	ng	100
71) Anthracene	12.31	178	327322	28.56	ng	99
72) Carbazole	12.53	167	318678	29.67	ng	99
73) Di-n-butylphthalate	13.01	149	413443	33.98	ng	100
74) Fluoranthene	13.70	202	366361	29.87	ng	96
76) Benzidine	13.91	184	192859	23.23	ng	98
77) Pyrene	13.98	202	385631	28.49	ng	98
79) Butylbenzylphthalate	14.83	149	180648	35.02	ng	94
80) Benzo(a)anthracene	15.45	228	368442	28.72	ng	99
81) 3,3'-Dichlorobenzidine	15.45	252	88131	20.51	ng	# 99
82) Chrysene	15.50	228	347331	28.82	ng	100
83) Bis(2-ethylhexyl)phthalate	15.57	149	280004	34.61	ng	98
84) Di-n-octyl phthalate	16.34	149	485472	36.54	ng	# 100
85) Indeno(1,2,3-cd)pyrene	18.35	276	411495	30.09	ng	# 87
87) Benzo(b)fluoranthene	16.73	252	430747	32.23	ng	# 97
88) Benzo(k)fluoranthene	16.73	252	430831	36.28	ng	97
89) Benzo(a)pyrene	17.11	252	361351	30.98	ng	99
90) Dibenzo(a,h)anthracene	18.38	278	334604	28.66	ng	97
91) Benzo(g,h,i)perylene	18.69	276	333565	28.49	ng	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 480

Delta R.T. -0.00 min

Lab File: BF078609.D

Acq: 17 Apr 2015 17:03

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BNA_F

ClientSampleId :

PB82843BS

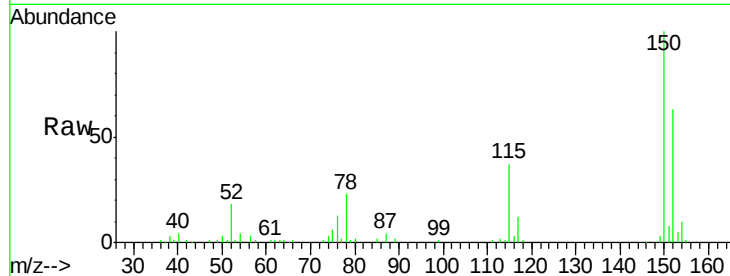
Tgt Ion:152 Resp: 46831

Ion Ratio Lower Upper

152 100

150 159.0 125.9 188.9

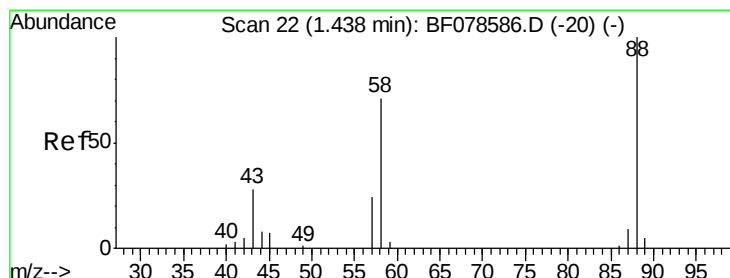
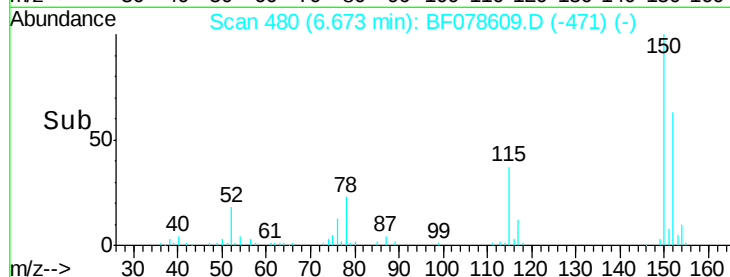
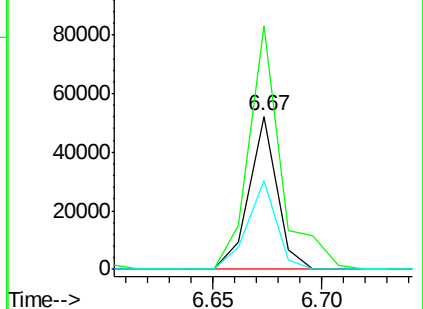
115 58.4 52.7 79.1



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



#2

1,4-Dioxane

Concen: 20.41 ng

RT: 1.48 min Scan# 26

Delta R.T. 0.05 min

Lab File: BF078609.D

Acq: 17 Apr 2015 17:03

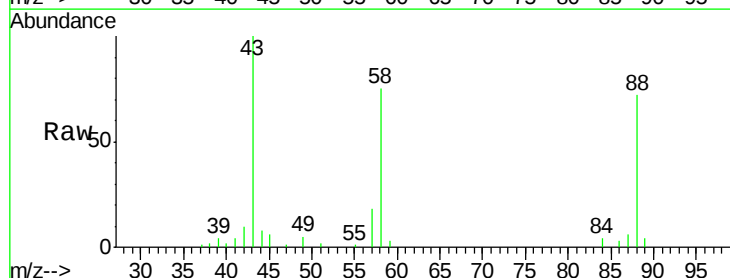
Tgt Ion: 88 Resp: 26214

Ion Ratio Lower Upper

88 100

58 0.0 56.9 85.3#

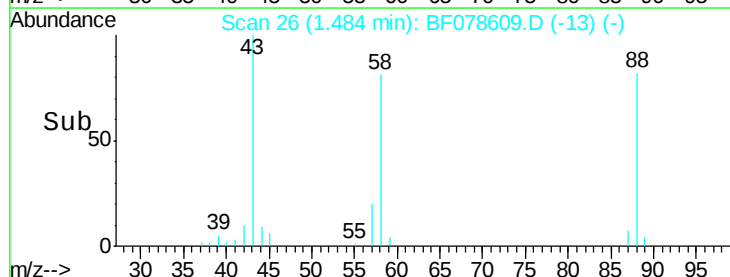
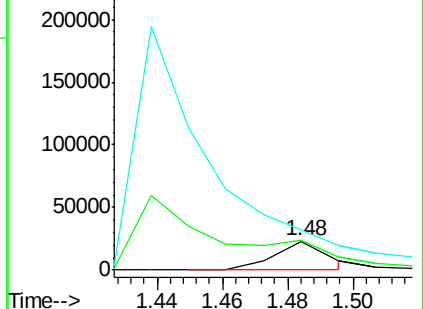
43 0.0 21.4 32.2#

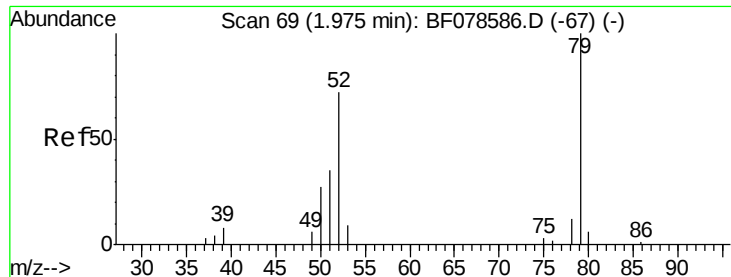


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 25.91 ng

RT: 2.01 min Scan# 72

Delta R.T. 0.05 min

Lab File: BF078609.D

Acq: 17 Apr 2015 17:03

Instrument :

BNA_F

ClientSampleId :

PB82843BS

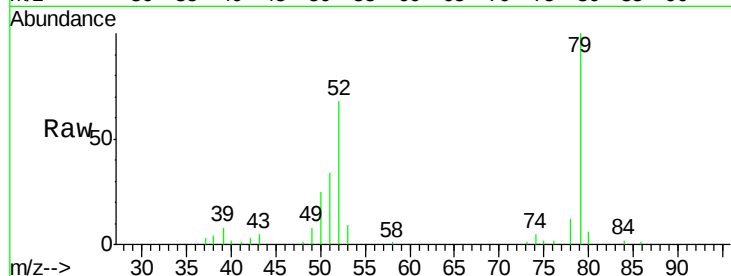
Tgt Ion: 79 Resp: 87179

Ion Ratio Lower Upper

79 100

52 67.8 52.4 78.6

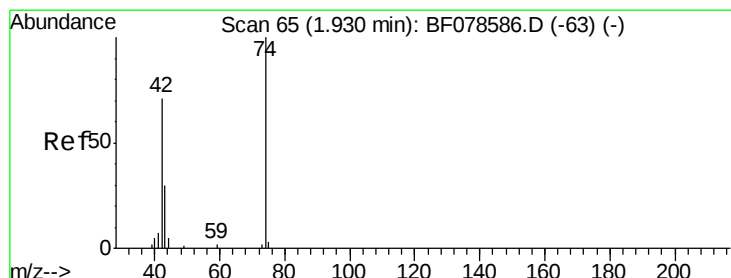
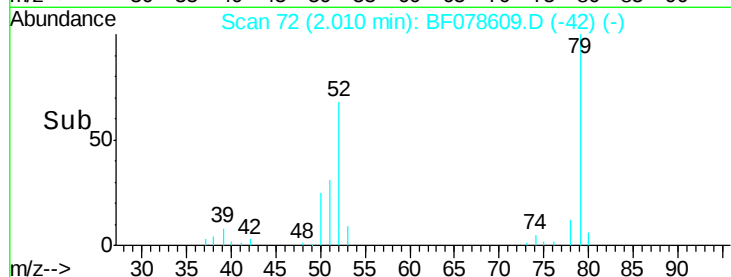
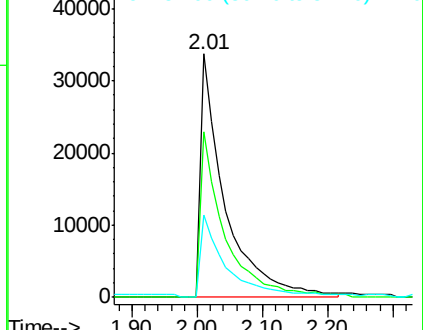
51 33.6 24.9 37.3



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 20.92 ng

RT: 1.96 min Scan# 68

Delta R.T. 0.05 min

Lab File: BF078609.D

Acq: 17 Apr 2015 17:03

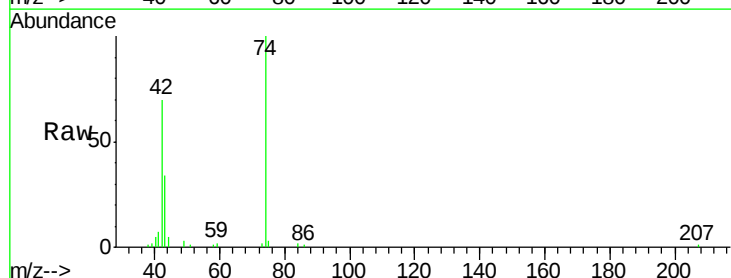
Tgt Ion: 42 Resp: 27097

Ion Ratio Lower Upper

42 100

74 143.2 118.7 178.1

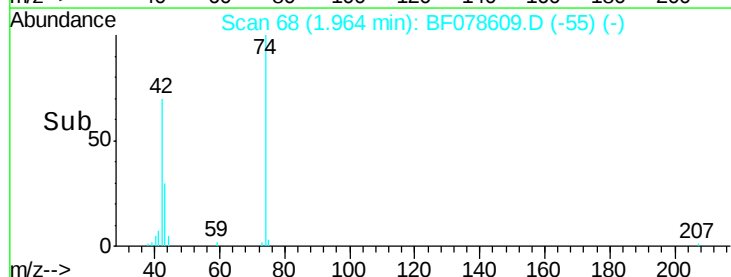
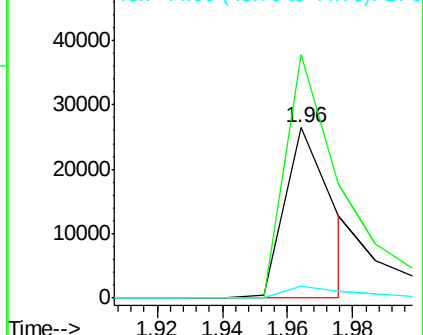
44 7.3 5.9 8.9

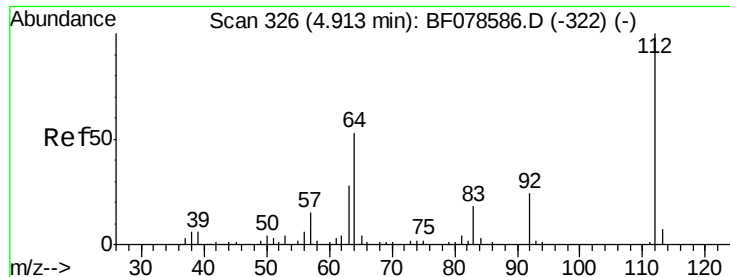


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 92.66 ng

RT: 4.90 min Scan# 325

Delta R.T. -0.00 min

Lab File: BF078609.D

Acq: 17 Apr 2015 17:03

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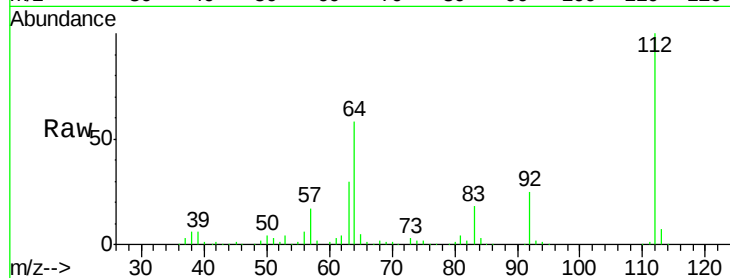
Tgt Ion: 112 Resp: 263189

Ion Ratio Lower Upper

112 100

64 57.7 39.9 59.9

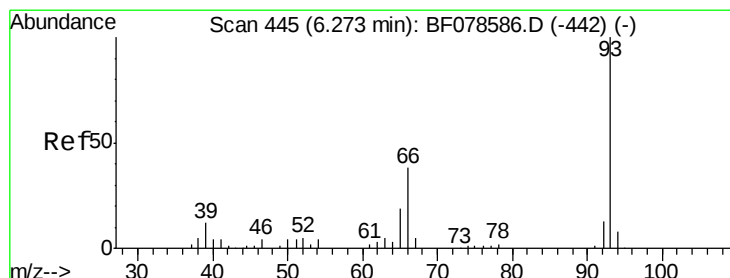
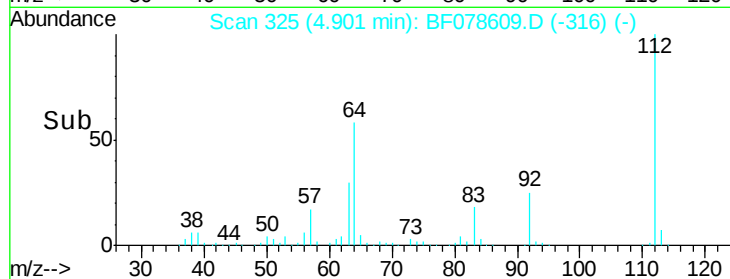
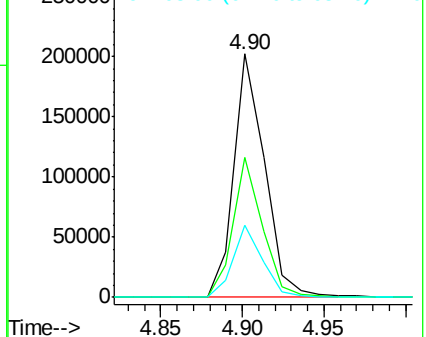
63 29.8 20.2 30.4



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: 17.25 ng

RT: 6.26 min Scan# 444

Delta R.T. -0.00 min

Lab File: BF078609.D

Acq: 17 Apr 2015 17:03

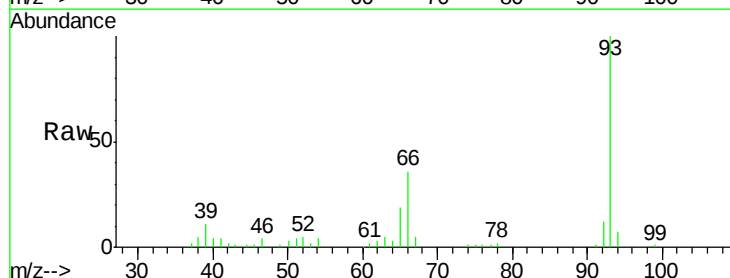
Tgt Ion: 93 Resp: 87078

Ion Ratio Lower Upper

93 100

66 36.0 38.0 57.0#

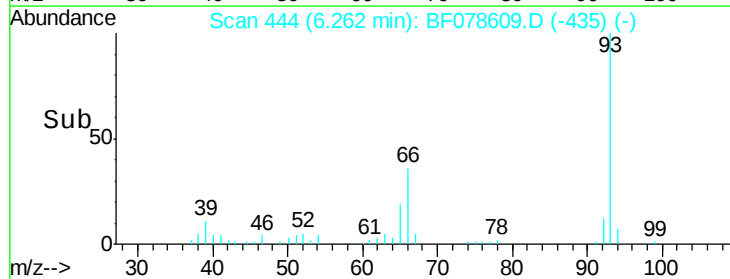
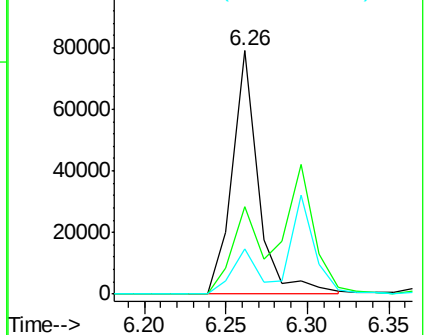
65 18.5 16.3 24.5

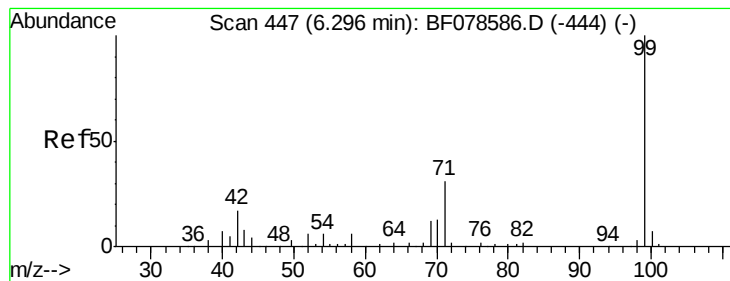


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 93.41 ng

RT: 6.28 min Scan# 446

Delta R.T. -0.00 min

Lab File: BF078609.D

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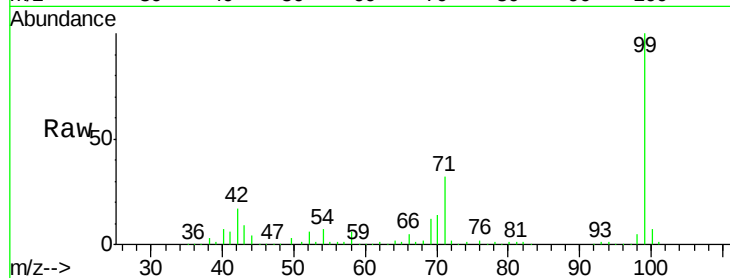
Tgt Ion: 99 Resp: 332510

Ion Ratio Lower Upper

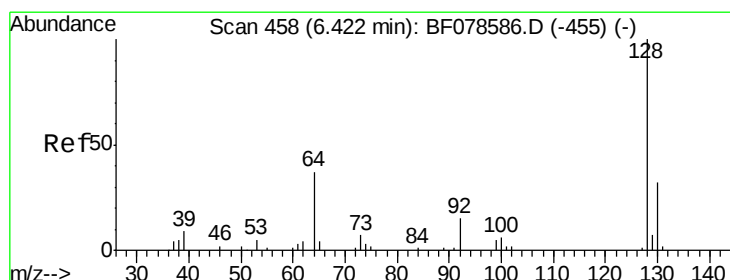
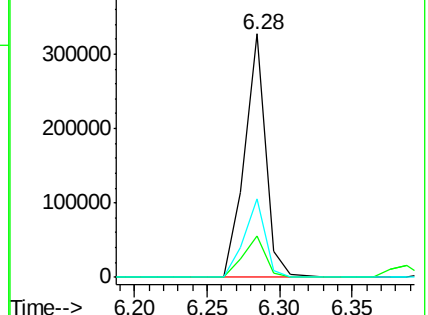
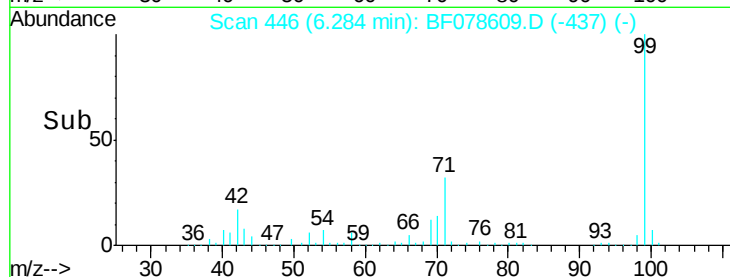
99 100

42 17.0 14.8 22.2

71 32.1 26.6 39.8



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 29.11 ng

RT: 6.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: BF078609.D

Acq: 17 Apr 2015 17:03

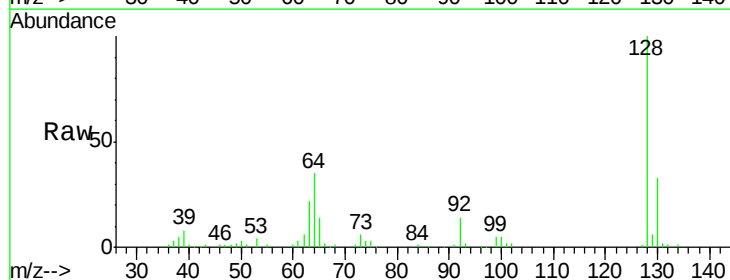
Tgt Ion: 128 Resp: 97760

Ion Ratio Lower Upper

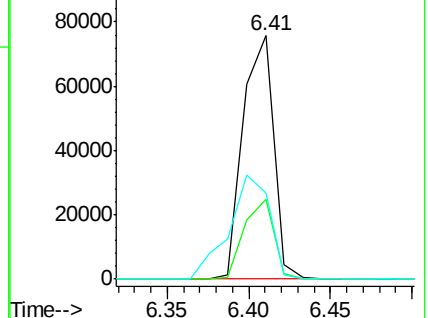
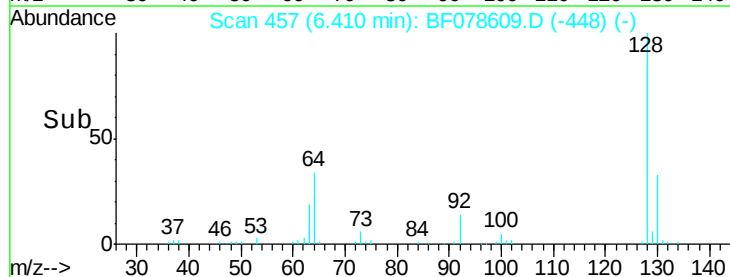
128 100

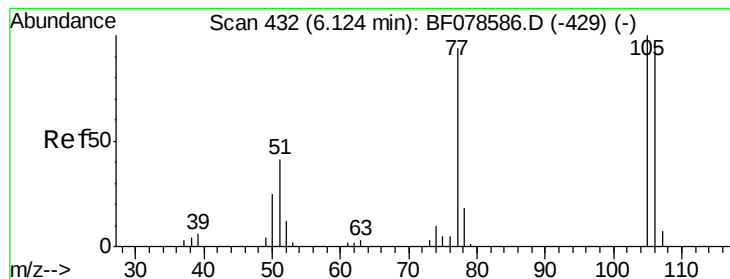
130 33.0 12.3 52.3

64 35.2 23.8 63.8



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: 7.06 ng

RT: 6.11 min Scan# 431

Delta R.T. -0.00 min

Lab File: BF078609.D

Acq: 17 Apr 2015 17:03

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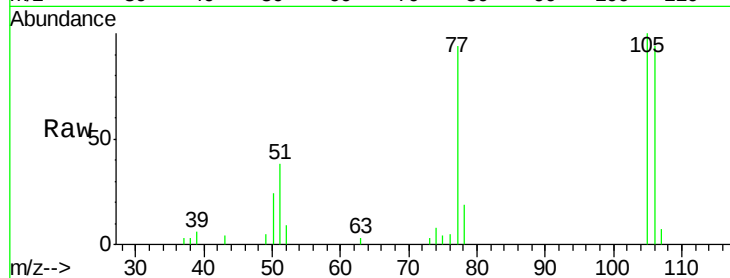
Tgt Ion: 77 Resp: 16647

Ion Ratio Lower Upper

77 100

105 106.9 85.4 125.4

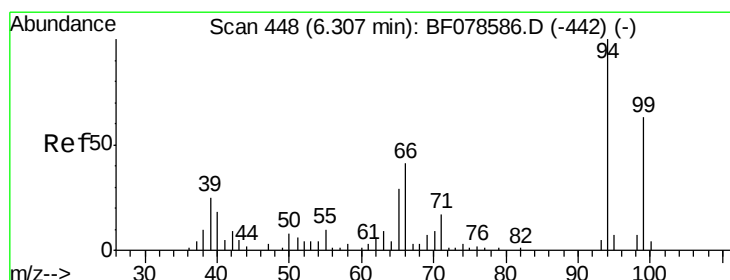
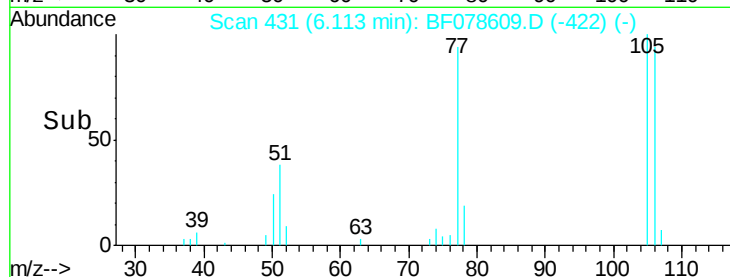
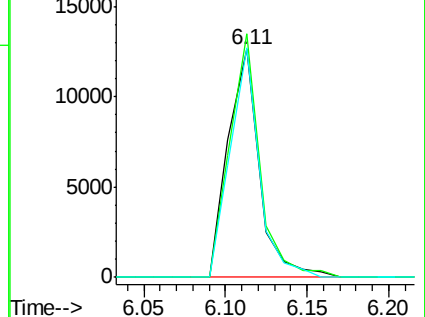
106 100.7 80.8 120.8



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 27.71 ng

RT: 6.30 min Scan# 447

Delta R.T. -0.00 min

Lab File: BF078609.D

Acq: 17 Apr 2015 17:03

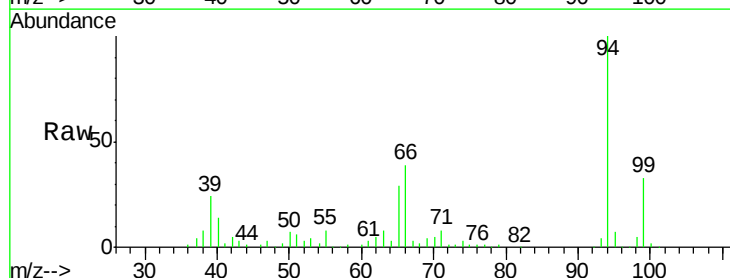
Tgt Ion: 94 Resp: 118173

Ion Ratio Lower Upper

94 100

65 29.4 4.9 44.9

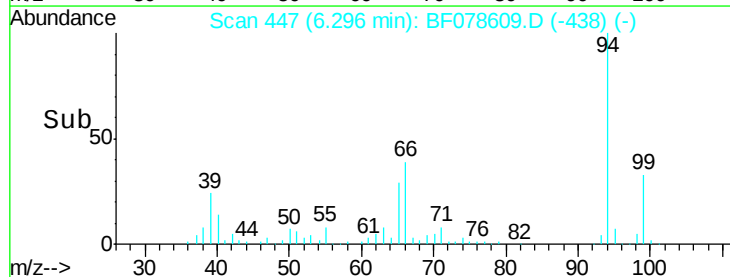
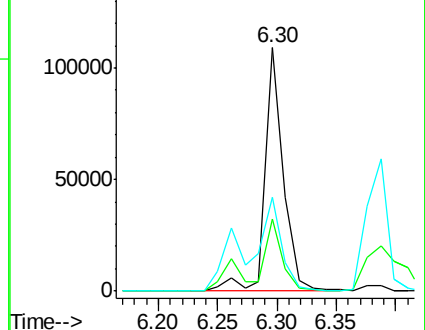
66 38.7 13.8 53.8



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

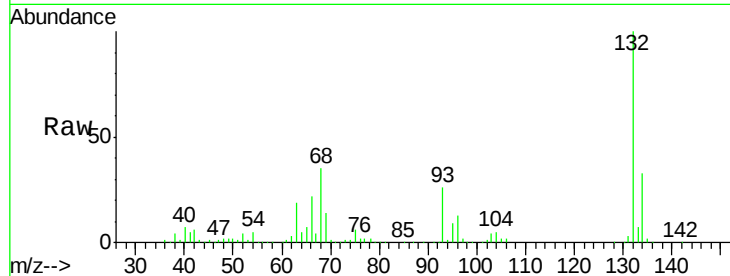




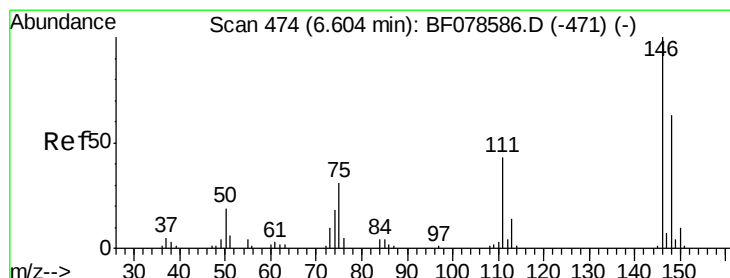
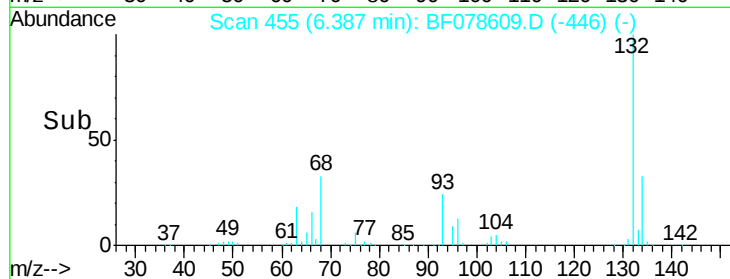
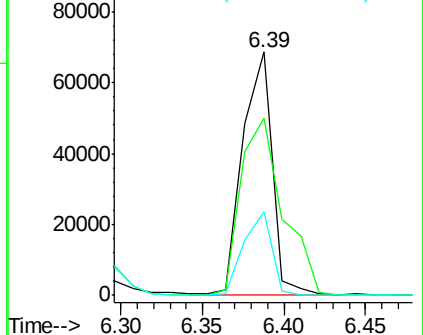
#11
bis(2-Chloroethyl)ether
Concen: 28.10 ng
RT: 6.39 min Scan# 455
Delta R.T. -0.00 min
Lab File: BF078609.D
Acq: 17 Apr 2015 17:03

Instrument :
BNA_F
ClientSampleId :
PB82843BS

Tgt Ion: 93 Resp: 86194
Ion Ratio Lower Upper
93 100
63 72.5 54.6 94.6
95 34.4 13.6 53.6

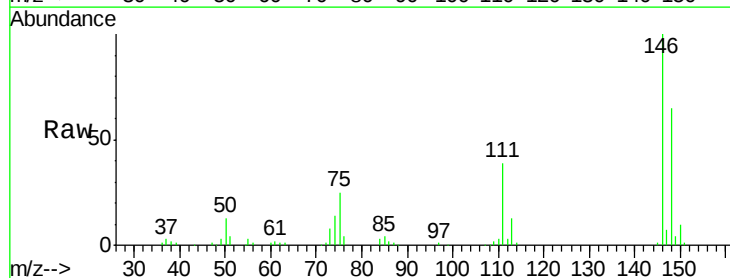


Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 63.00 (62.70 to 63.70): BF0
Ion 95.00 (94.70 to 95.70): BF0

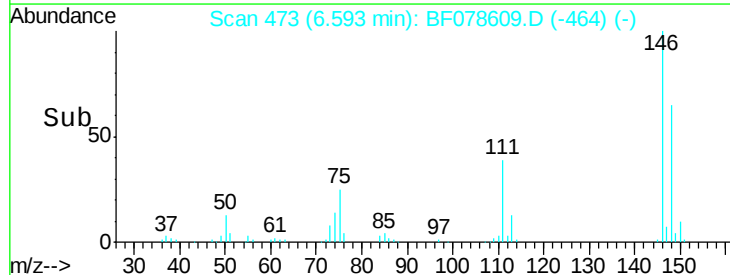
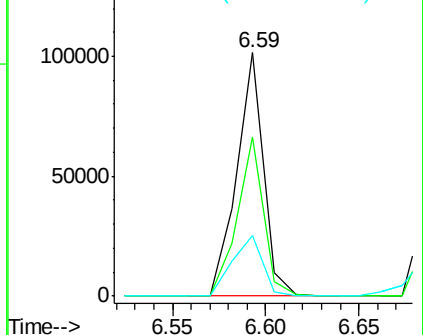


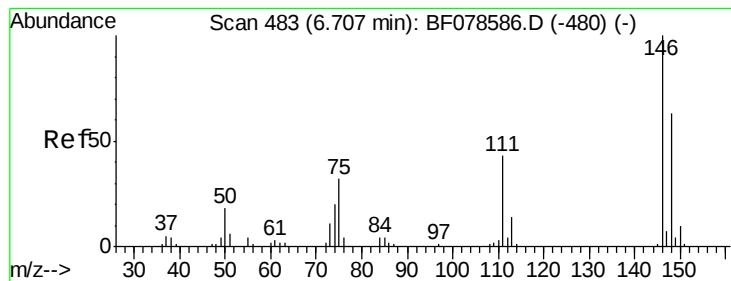
#12
1,3-Dichlorobenzene
Concen: 27.58 ng
RT: 6.59 min Scan# 473
Delta R.T. -0.00 min
Lab File: BF078609.D
Acq: 17 Apr 2015 17:03

Tgt Ion: 146 Resp: 101735
Ion Ratio Lower Upper
146 100
148 65.3 49.1 73.7
75 25.1 26.6 40.0#



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: 27.54 ng

RT: 6.70 min Scan# 482

Delta R.T. -0.00 min

Lab File: BF078609.D

Acq: 17 Apr 2015 17:03

Instrument :

BNA_F

ClientSampleId :

PB82843BS

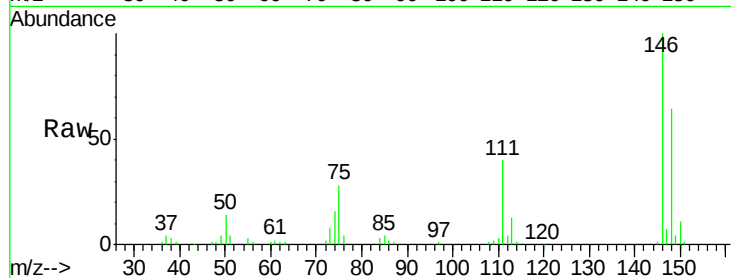
Tgt Ion:146 Resp: 102280

Ion Ratio Lower Upper

146 100

148 64.5 51.4 77.0

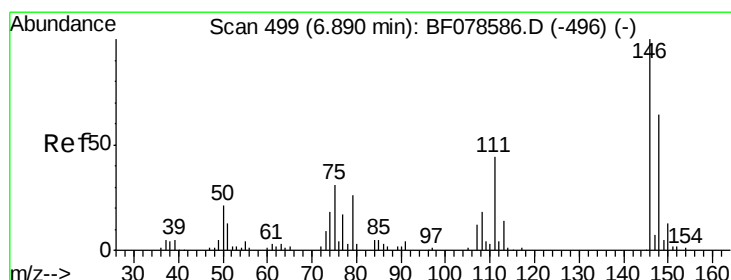
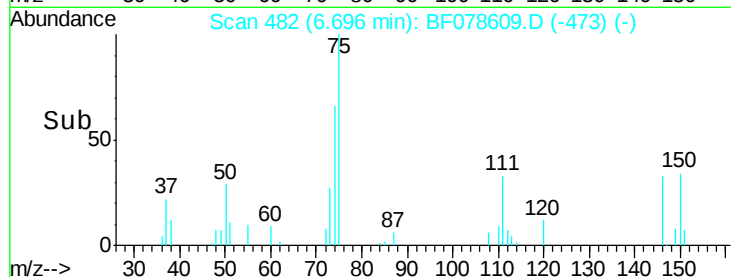
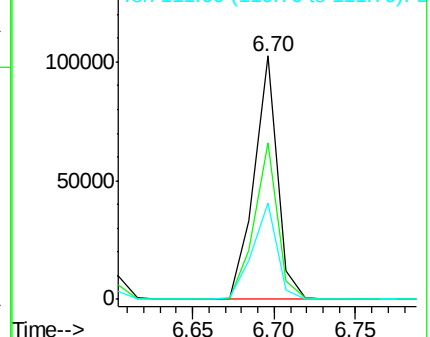
111 39.6 35.0 52.4



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: 27.78 ng

RT: 6.88 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF078609.D

Acq: 17 Apr 2015 17:03

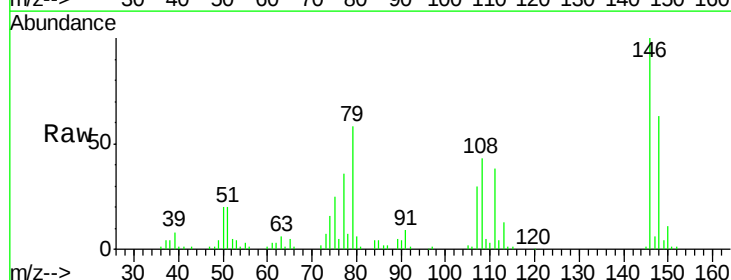
Tgt Ion:146 Resp: 96730

Ion Ratio Lower Upper

146 100

148 63.4 50.2 75.4

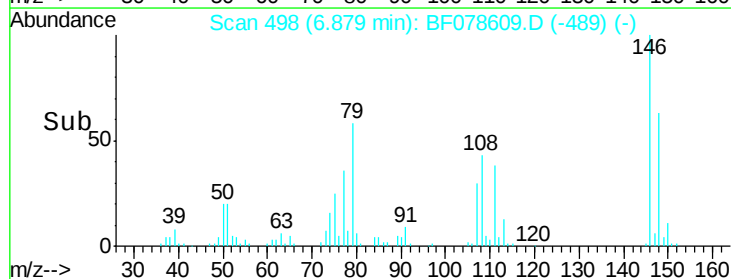
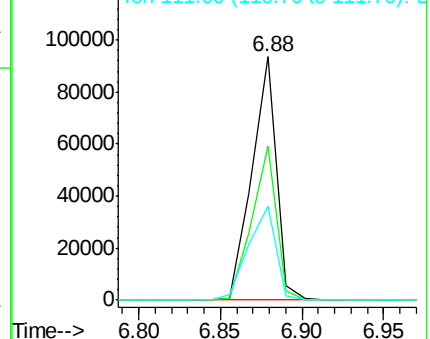
111 38.4 36.1 54.1

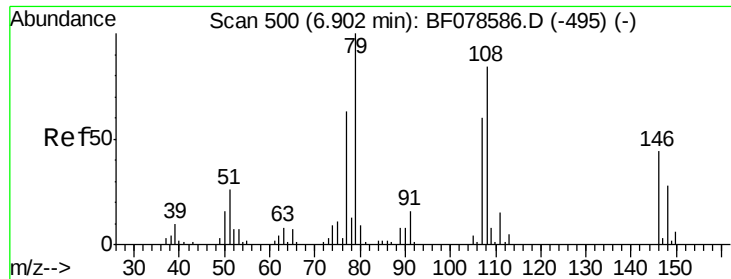


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 31.25 ng

RT: 6.88 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF078609.D

Acq: 17 Apr 2015 17:03

Instrument :

BNA_F

ClientSampleId :

PB82843BS

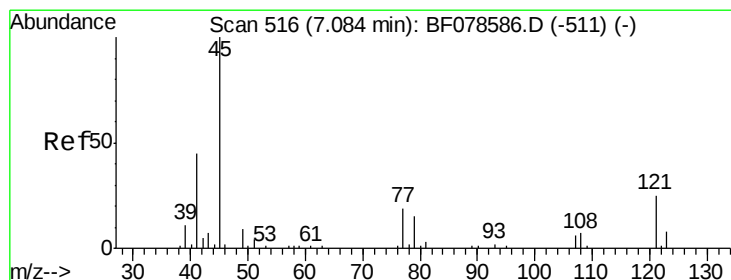
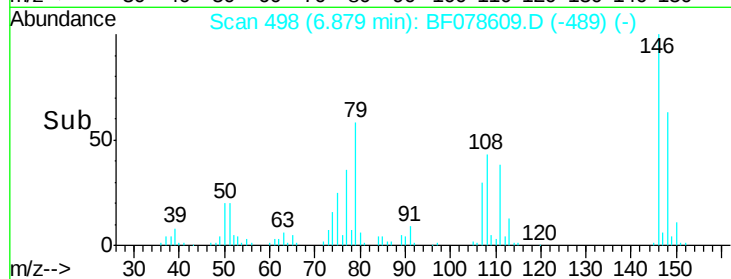
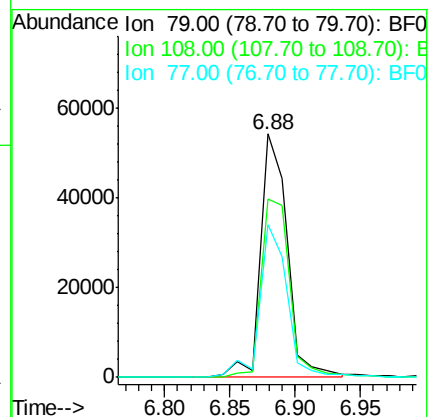
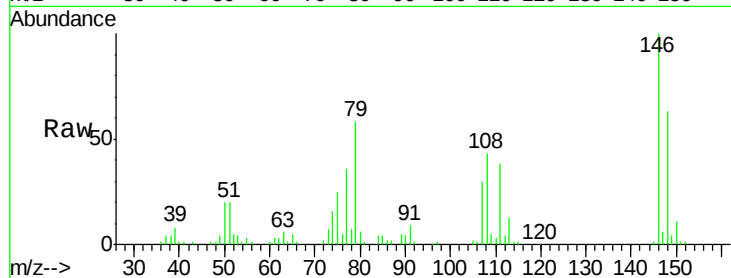
Tgt Ion: 79 Resp: 78161

Ion Ratio Lower Upper

79 100

108 73.5 57.6 86.4

77 62.7 53.5 80.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 28.49 ng

RT: 7.06 min Scan# 514

Delta R.T. -0.00 min

Lab File: BF078609.D

Acq: 17 Apr 2015 17:03

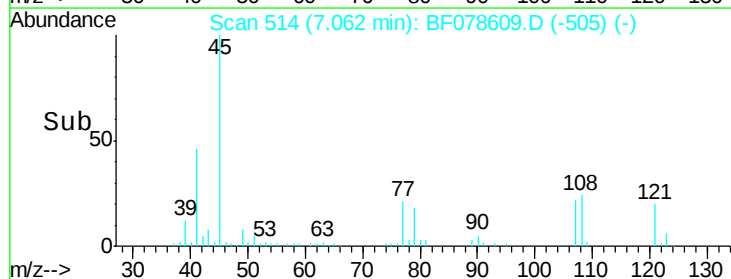
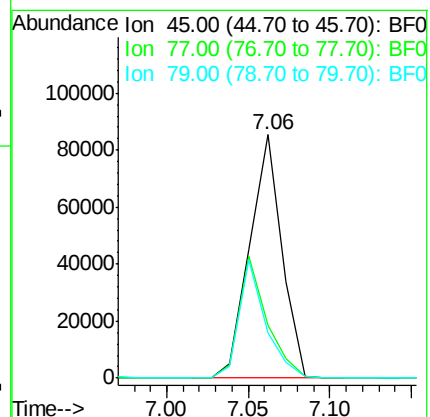
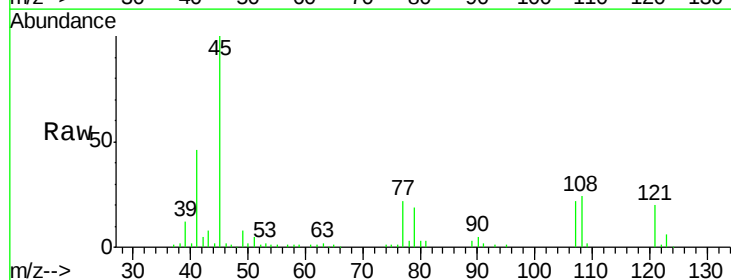
Tgt Ion: 45 Resp: 116546

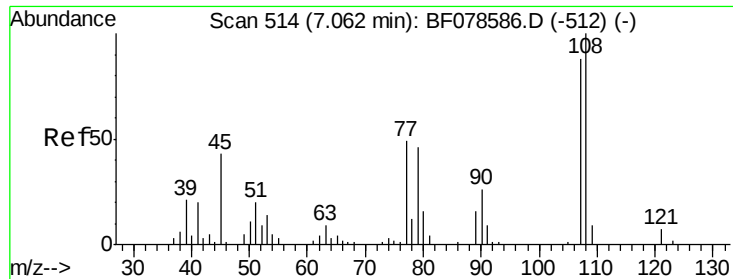
Ion Ratio Lower Upper

45 100

77 21.8 0.0 34.5

79 18.7 0.0 31.9

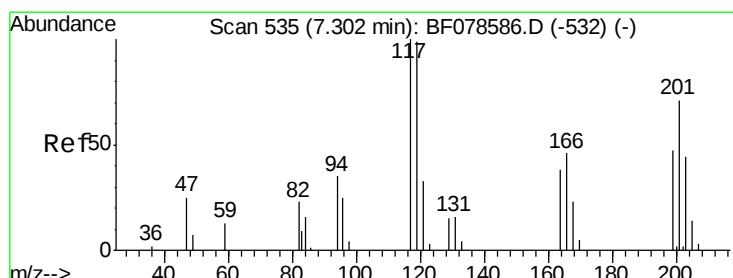
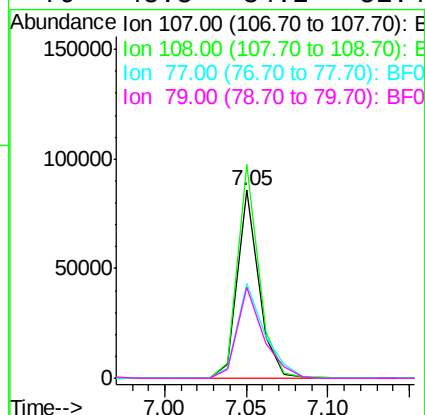
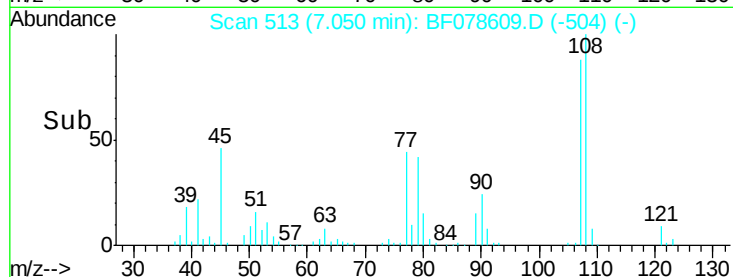
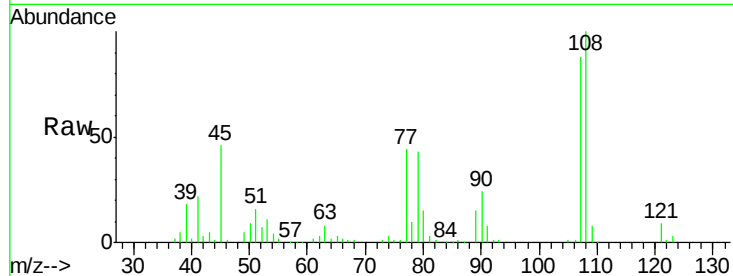




#17
2-Methylphenol
Concen: 29.91 ng
RT: 7.05 min Scan# 513
Delta R.T. -0.00 min
Lab File: BF078609.D
Acq: 17 Apr 2015 17:03

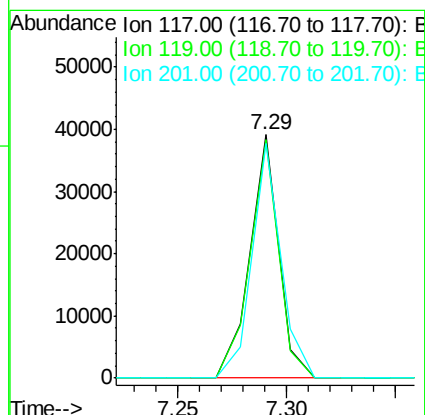
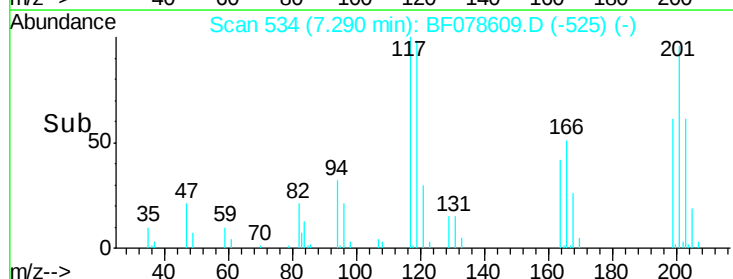
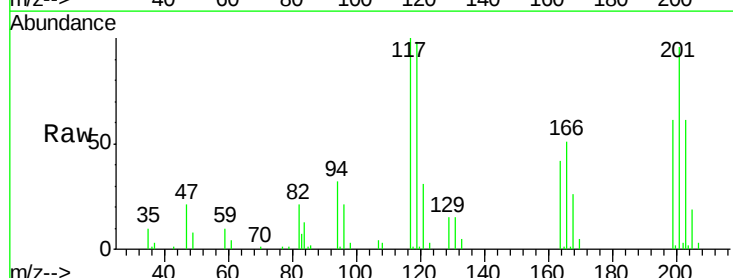
Instrument :
BNA_F
ClientSampleId :
PB82843BS

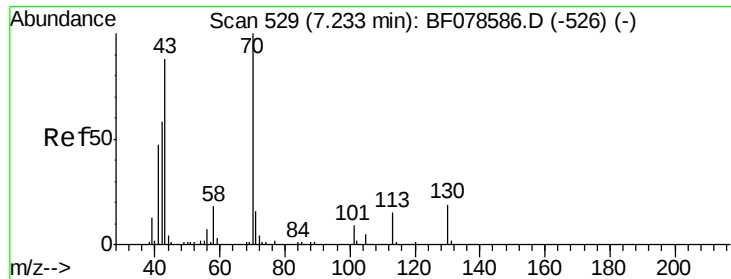
Tgt Ion:107 Resp: 78000
Ion Ratio Lower Upper
107 100
108 113.6 90.3 135.5
77 50.2 35.5 53.3
79 48.3 34.2 51.4



#18
Hexachloroethane
Concen: 28.76 ng
RT: 7.29 min Scan# 534
Delta R.T. -0.00 min
Lab File: BF078609.D
Acq: 17 Apr 2015 17:03

Tgt Ion:117 Resp: 36010
Ion Ratio Lower Upper
117 100
119 98.1 77.0 115.6
201 96.2 98.1 147.1#

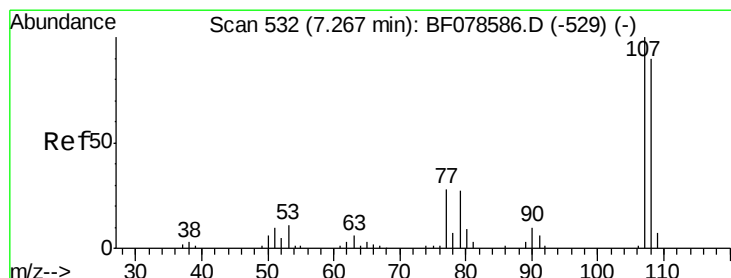
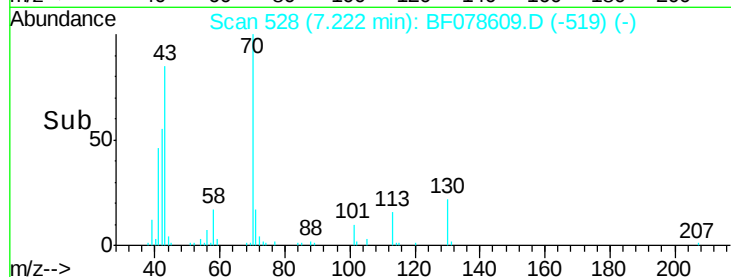
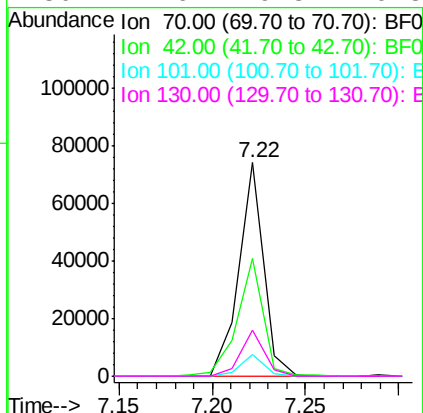
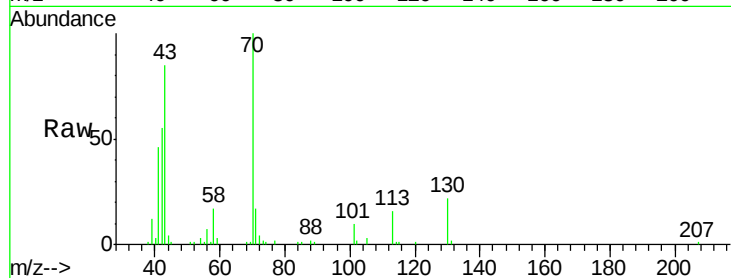




#19
n-Nitroso-di-n-propylamine
Concen: 29.25 ng
RT: 7.22 min Scan# 528
Delta R.T. -0.00 min
Lab File: BF078609.D
Acq: 17 Apr 2015 17:03

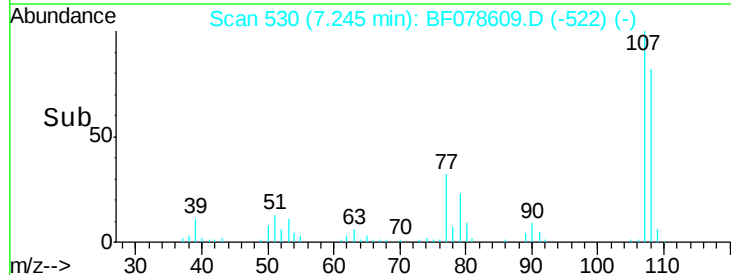
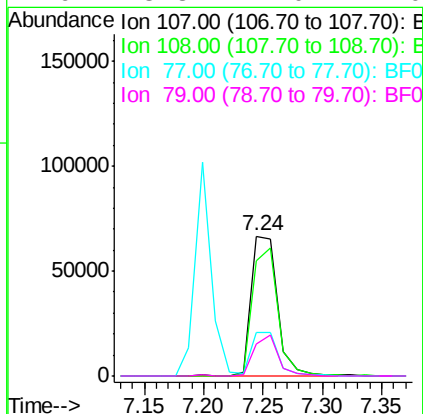
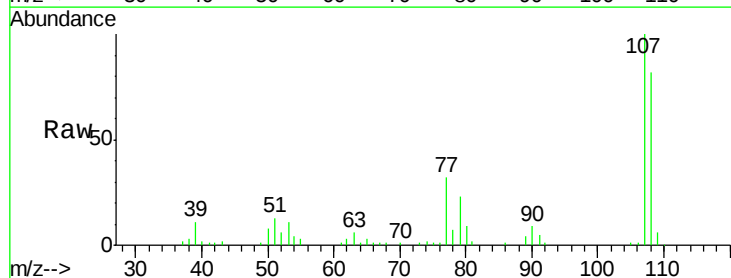
Instrument :
BNA_F
ClientSampleId :
PB82843BS

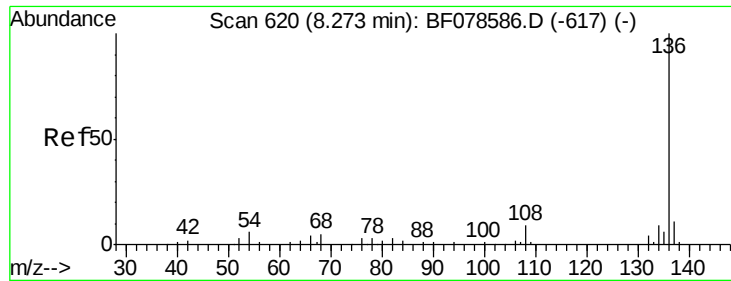
Tgt Ion:	70	Resp:	68689
Ion	Ratio	Lower	Upper
70	100		
42	55.4	38.9	58.3
101	10.0	8.3	12.5
130	21.6	19.8	29.8



#20
3+4-Methylphenols
Concen: 30.12 ng
RT: 7.24 min Scan# 530
Delta R.T. -0.01 min
Lab File: BF078609.D
Acq: 17 Apr 2015 17:03

Tgt Ion:	107	Resp:	104777
Ion	Ratio	Lower	Upper
107	100		
108	82.5	64.4	104.4
77	31.6	9.7	49.7
79	23.3	4.0	44.0

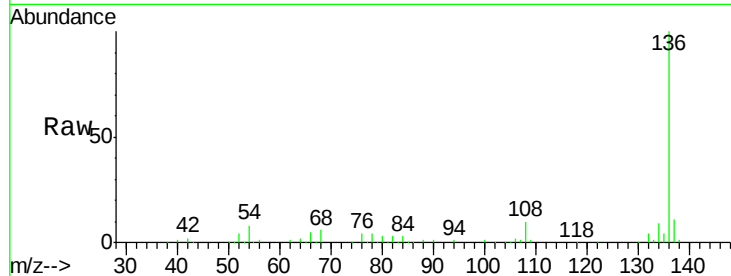




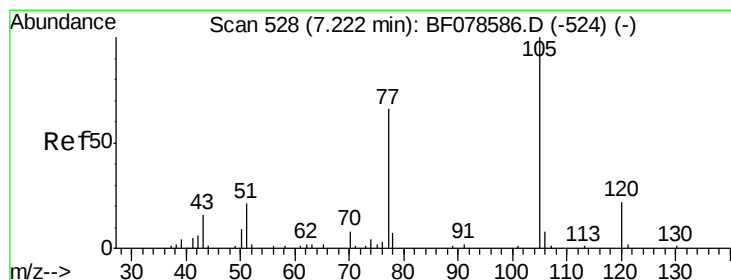
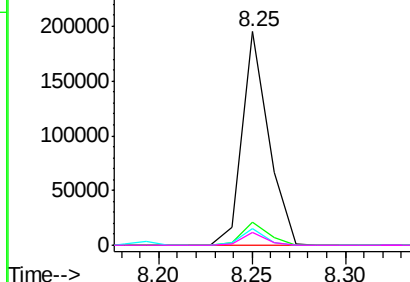
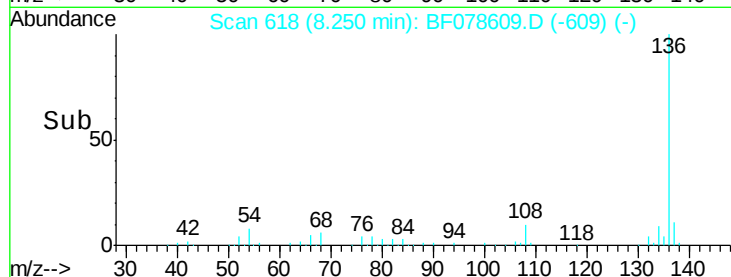
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.25 min Scan# 618
Delta R.T. -0.00 min
Lab File: BF078609.D
Acq: 17 Apr 2015 17:03

Instrument :
BNA_F
ClientSampleId :
PB82843BS

Tgt Ion:	136	Resp:	191104
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	7.7	7.0	10.6
68	5.8	5.4	8.2

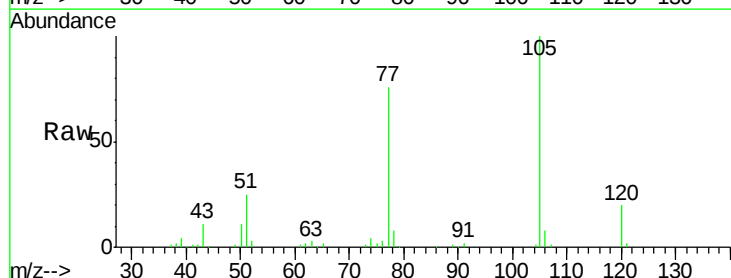


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

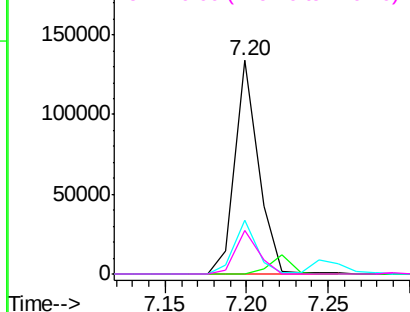
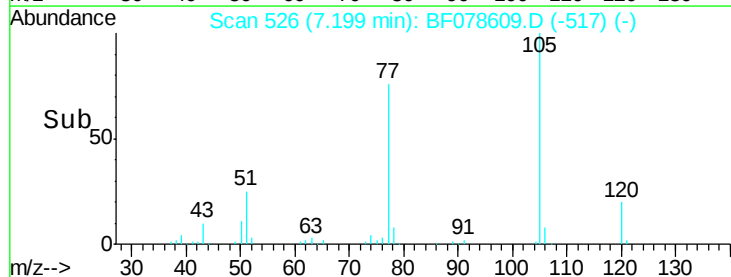


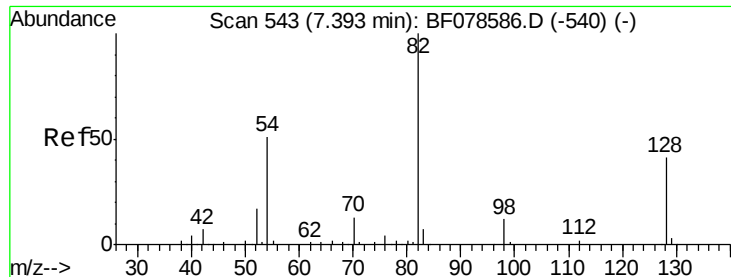
#22
Acetophenone
Concen: 30.03 ng
RT: 7.20 min Scan# 526
Delta R.T. -0.00 min
Lab File: BF078609.D
Acq: 17 Apr 2015 17:03

Tgt Ion:	105	Resp:	133717
Ion	Ratio	Lower	Upper
105	100		
71	0.0	5.5	8.3#
51	25.1	16.0	24.0#
120	20.2	17.8	26.6



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

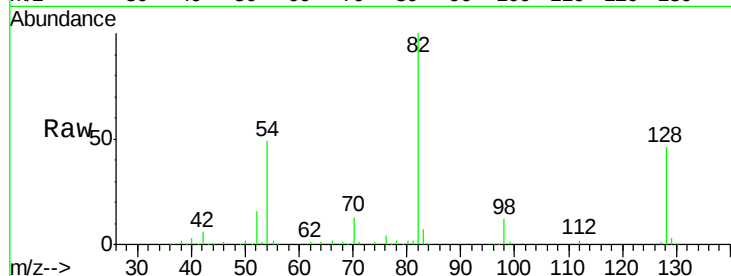




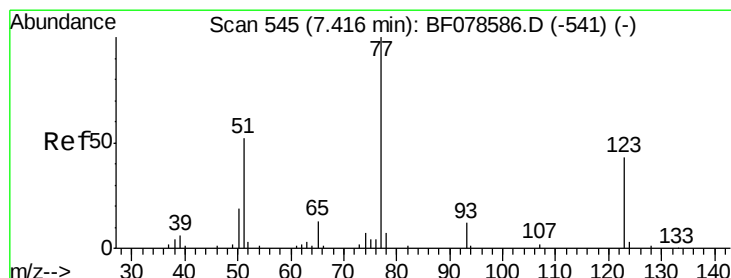
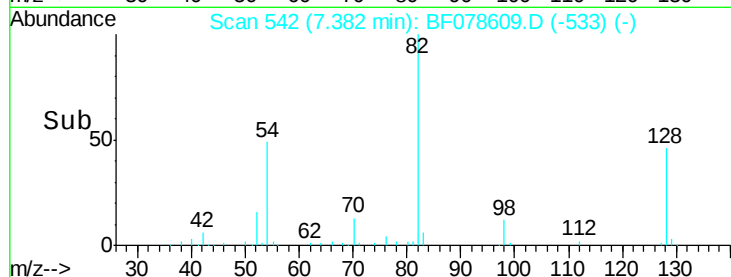
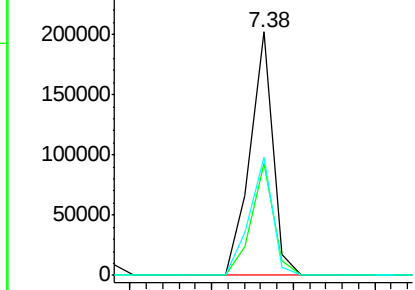
#23
 Nitrobenzene-d5
 Concen: 62.40 ng
 RT: 7.38 min Scan# 542
 Delta R.T. -0.00 min
 Lab File: BF078609.D
 Acq: 17 Apr 2015 17:03

Instrument :
 BNA_F
 ClientSampleId :
 PB82843BS

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.9	31.8	47.8
54	48.7	41.5	62.3

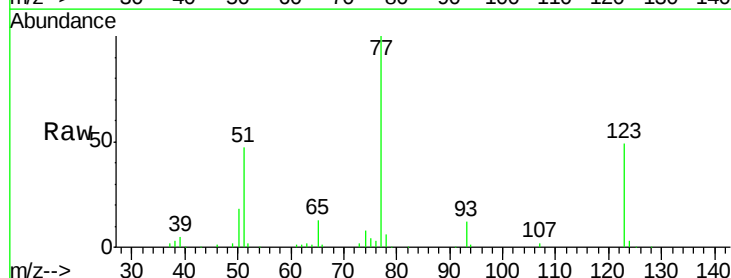


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

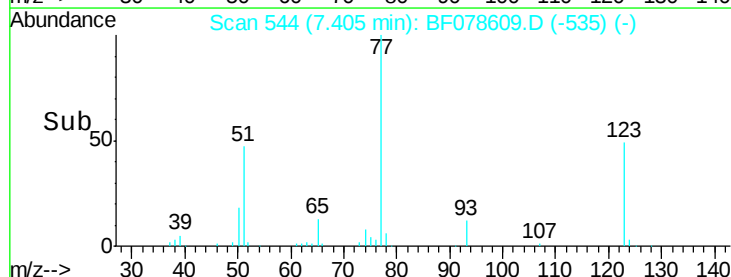
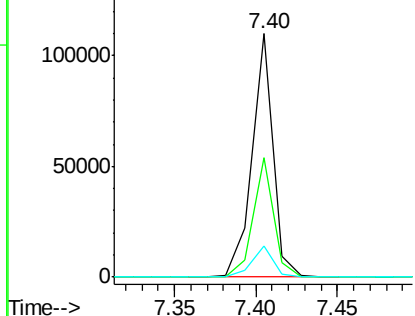


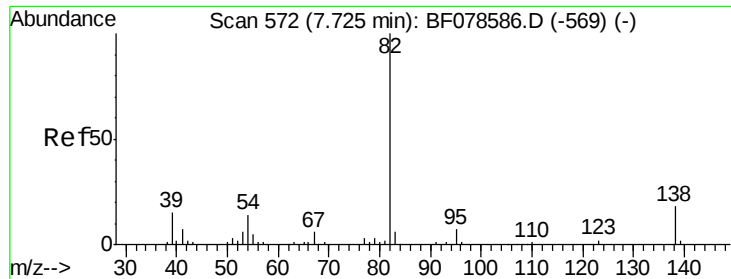
#24
 Nitrobenzene
 Concen: 29.85 ng
 RT: 7.40 min Scan# 544
 Delta R.T. -0.00 min
 Lab File: BF078609.D
 Acq: 17 Apr 2015 17:03

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.9	46.9	70.3
65	12.6	9.5	14.3



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: 29.37 ng

RT: 7.71 min Scan# 571

Delta R.T. -0.00 min

Lab File: BF078609.D

Acq: 17 Apr 2015 17:03

Instrument :

BNA_F

ClientSampleId :

PB82843BS

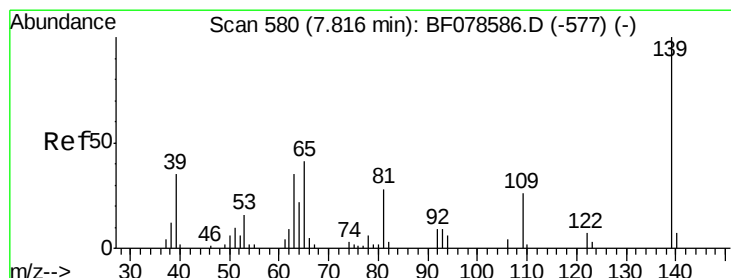
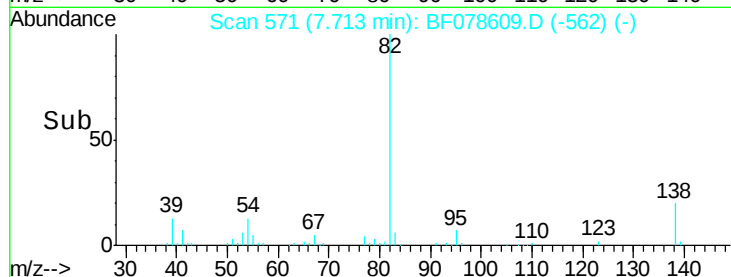
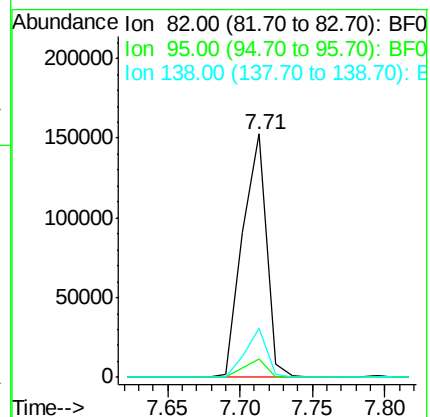
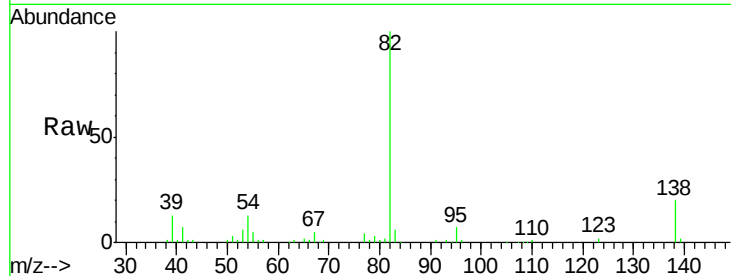
Tgt Ion: 82 Resp: 175724

Ion Ratio Lower Upper

82 100

95 7.3 5.7 8.5

138 20.0 15.8 23.8



#26

2-Nitrophenol

Concen: 30.46 ng

RT: 7.79 min Scan# 578

Delta R.T. -0.01 min

Lab File: BF078609.D

Acq: 17 Apr 2015 17:03

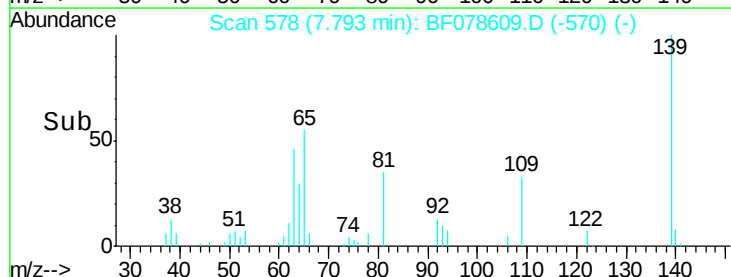
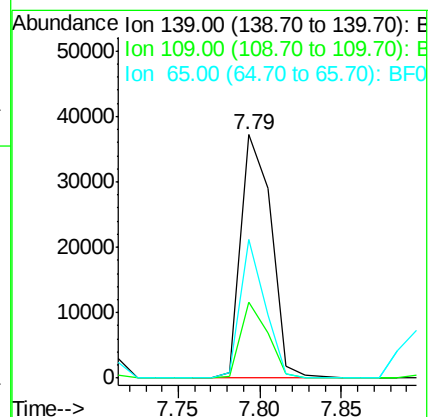
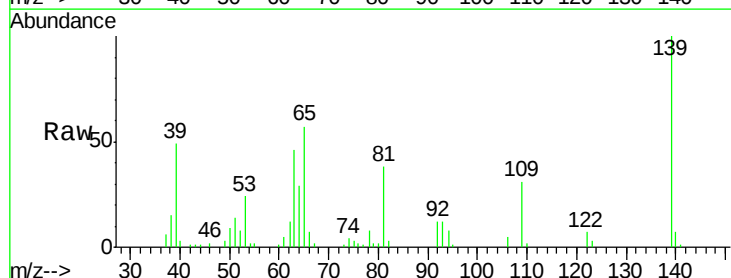
Tgt Ion: 139 Resp: 47841

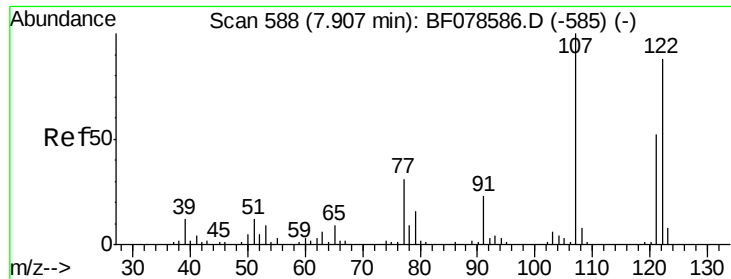
Ion Ratio Lower Upper

139 100

109 31.4 19.8 29.8#

65 56.9 32.7 49.1#

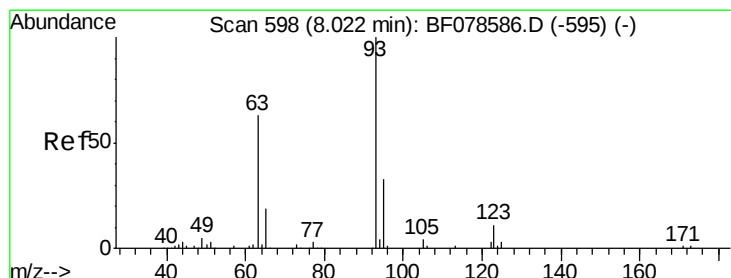
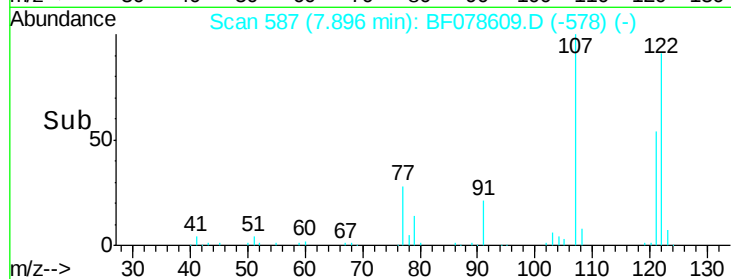
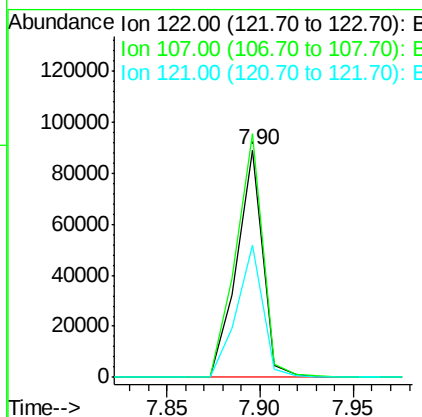
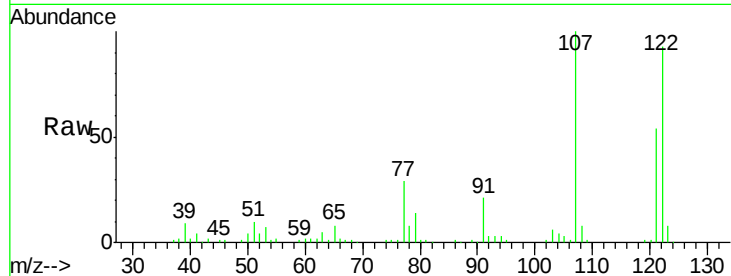




#27
 2,4-Dimethylphenol
 Concen: 29.97 ng
 RT: 7.90 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: BF078609.D
 Acq: 17 Apr 2015 17:03

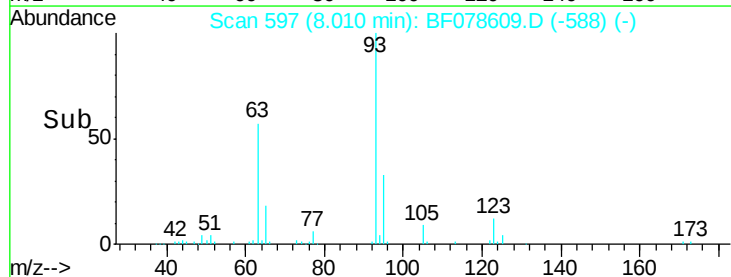
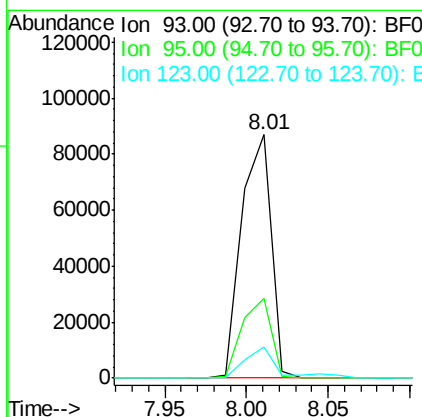
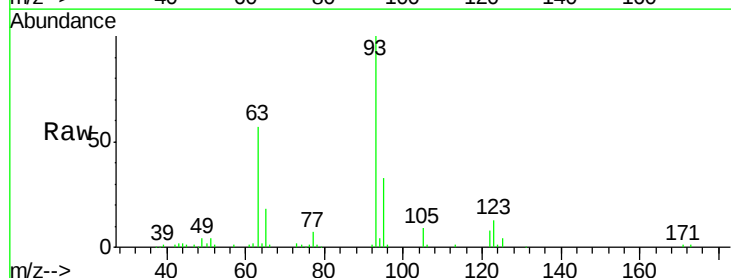
Instrument :
 BNA_F
 ClientSampleId :
 PB82843BS

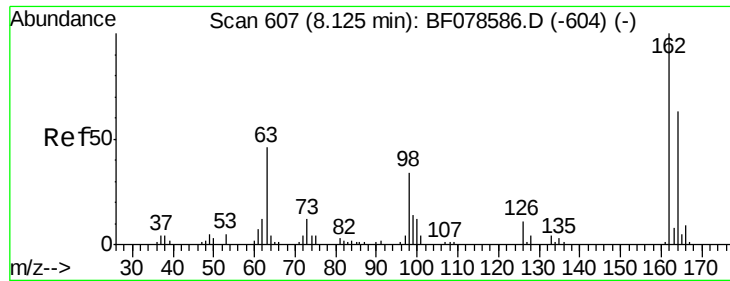
Tgt Ion:122 Resp: 87523
 Ion Ratio Lower Upper
 122 100
 107 107.0 84.6 127.0
 121 58.3 46.0 69.0



#28
 bis(2-Chloroethoxy)methane
 Concen: 28.44 ng
 RT: 8.01 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: BF078609.D
 Acq: 17 Apr 2015 17:03

Tgt Ion: 93 Resp: 109127
 Ion Ratio Lower Upper
 93 100
 95 32.5 26.3 39.5
 123 12.6 9.1 13.7

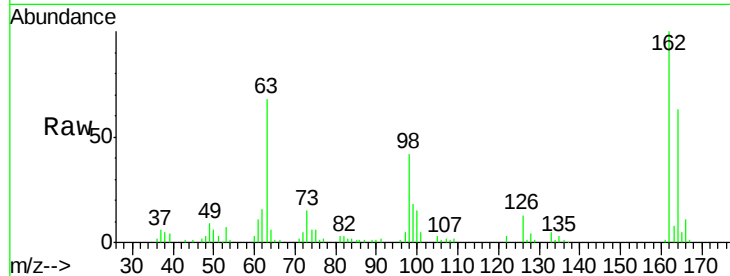




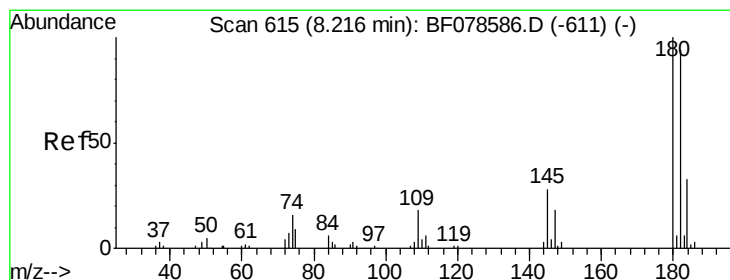
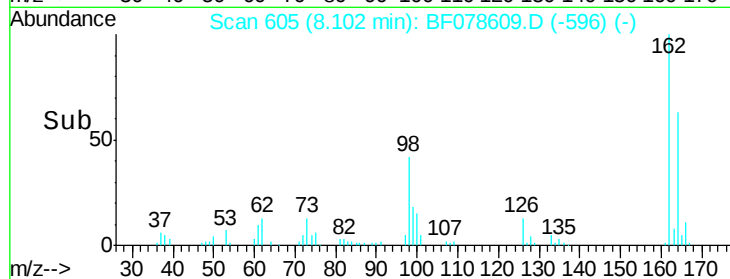
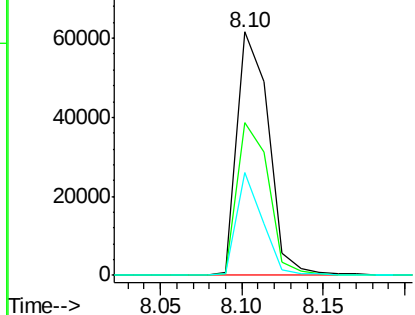
#29
 2,4-Dichlorophenol
 Concen: 30.87 ng
 RT: 8.10 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: BF078609.D
 Acq: 17 Apr 2015 17:03

Instrument :
 BNA_F
 ClientSampleId :
 PB82843BS

Tgt Ion:162 Resp: 82023
 Ion Ratio Lower Upper
 162 100
 164 63.0 47.0 87.0
 98 42.0 9.2 49.2

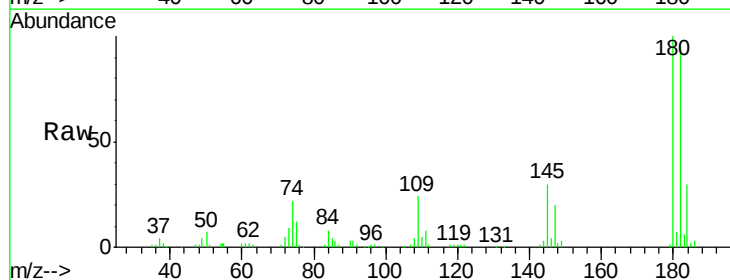


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

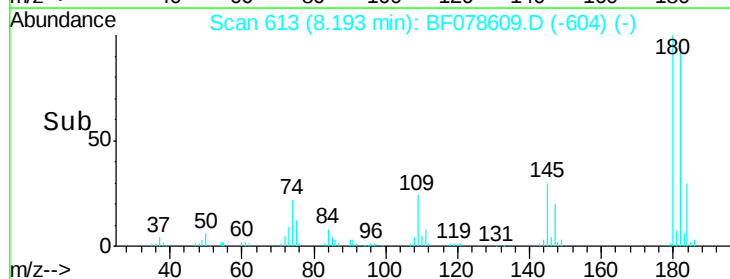
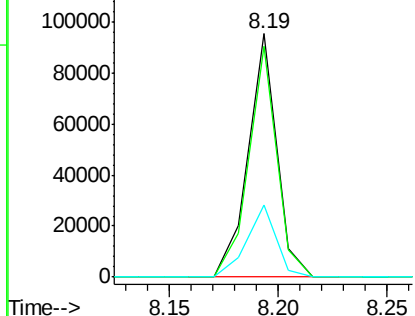


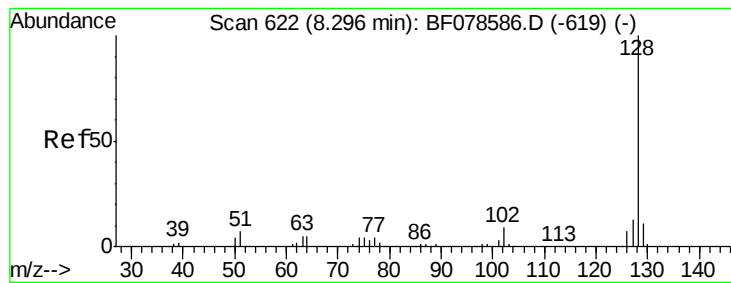
#30
 1,2,4-Trichlorobenzene
 Concen: 28.51 ng
 RT: 8.19 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: BF078609.D
 Acq: 17 Apr 2015 17:03

Tgt Ion:180 Resp: 86861
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.9 115.3
 145 29.7 22.5 33.7



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: 27.50 ng

RT: 8.27 min Scan# 620

Delta R.T. -0.01 min

Lab File: BF078609.D

Acq: 17 Apr 2015 17:03

Instrument :

BNA_F

ClientSampleId :

PB82843BS

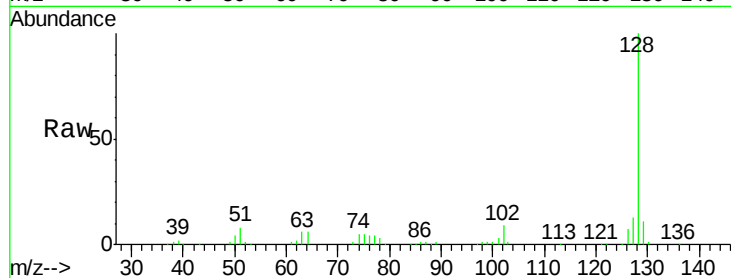
Tgt Ion:128 Resp: 273513

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

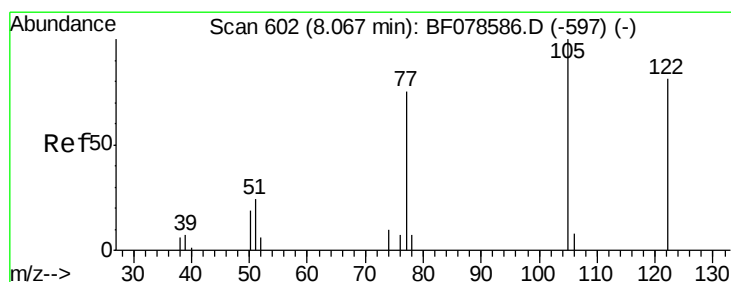
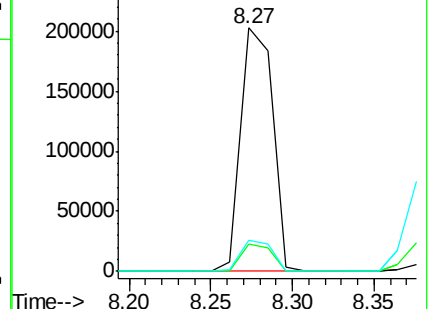
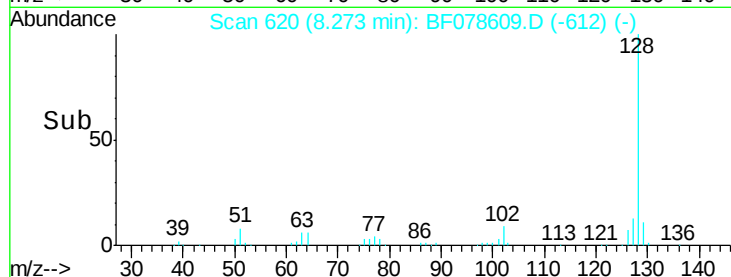
127 13.0 10.7 16.1



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: 38.44 ng

RT: 8.04 min Scan# 600

Delta R.T. -0.00 min

Lab File: BF078609.D

Acq: 17 Apr 2015 17:03

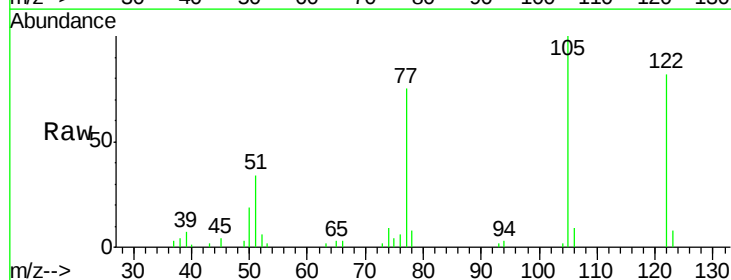
Tgt Ion:122 Resp: 50994

Ion Ratio Lower Upper

122 100

105 122.1 96.1 136.1

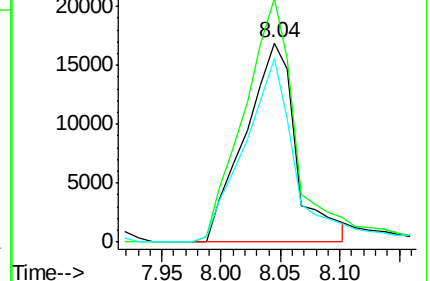
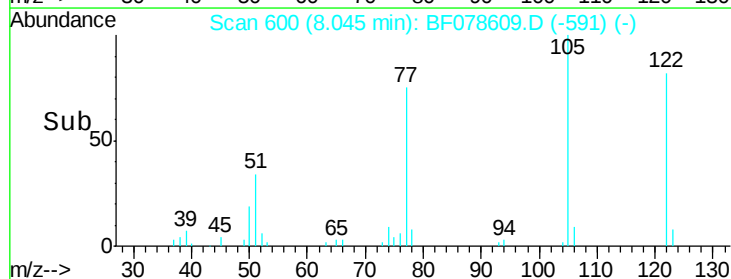
77 92.0 64.1 104.1

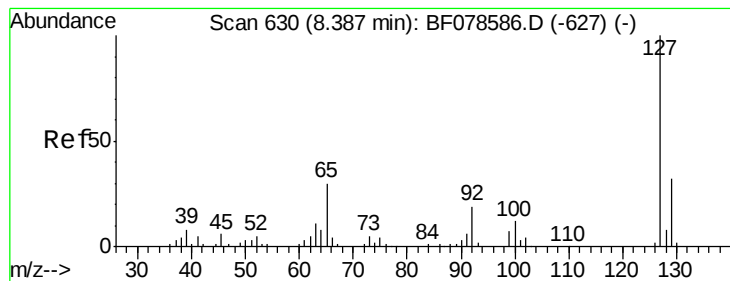


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 17.88 ng

RT: 8.38 min Scan# 629

Delta R.T. -0.00 min

Lab File: BF078609.D

Acq: 17 Apr 2015 17:03

Instrument :

BNA_F

ClientSampleId :

PB82843BS

Tgt Ion:127 Resp: 73789

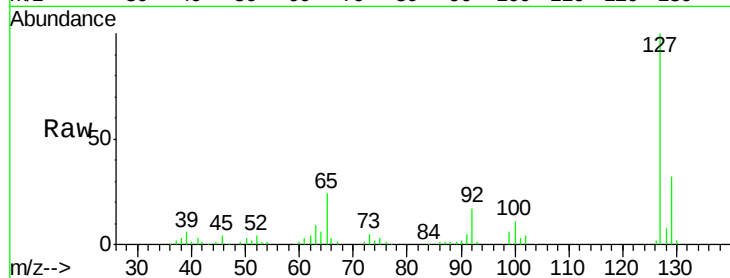
Ion Ratio Lower Upper

127 100

129 31.7 25.5 38.3

65 24.2 21.7 32.5

92 17.4 14.6 21.8

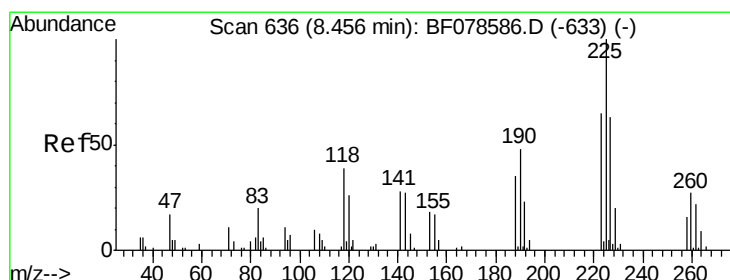
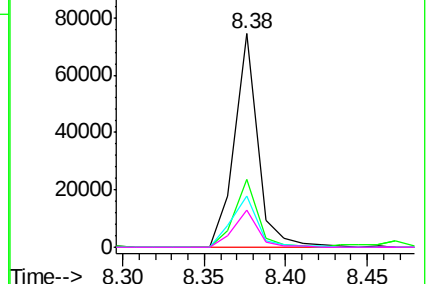
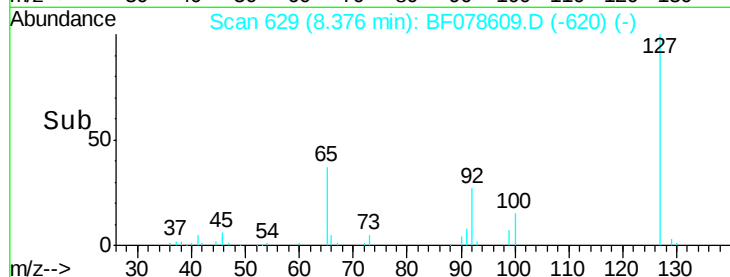


Abundance Ion 127.00 (126.70 to 127.70): E

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: 28.45 ng

RT: 8.44 min Scan# 635

Delta R.T. -0.00 min

Lab File: BF078609.D

Acq: 17 Apr 2015 17:03

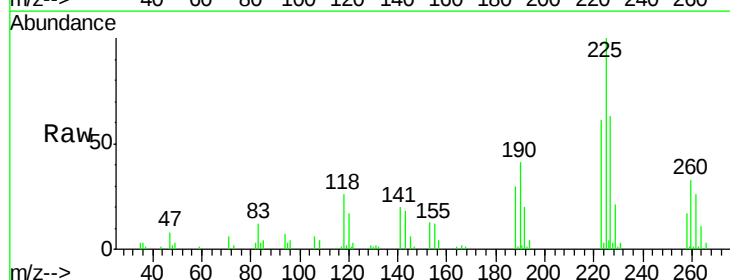
Tgt Ion:225 Resp: 47591

Ion Ratio Lower Upper

225 100

223 61.3 47.5 71.3

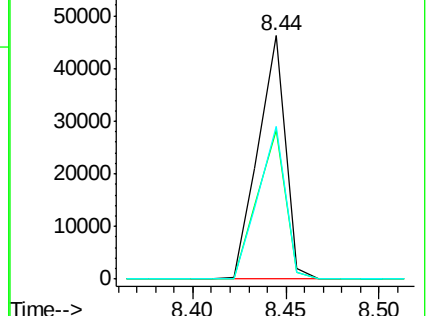
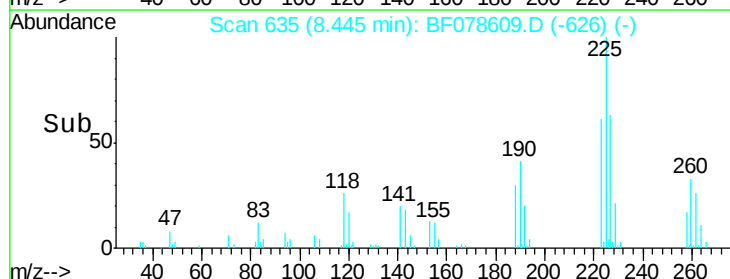
227 62.8 50.2 75.2

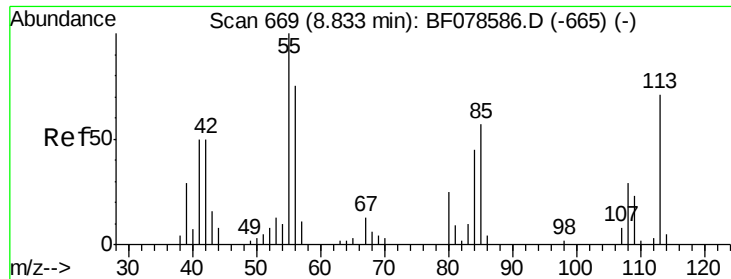


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

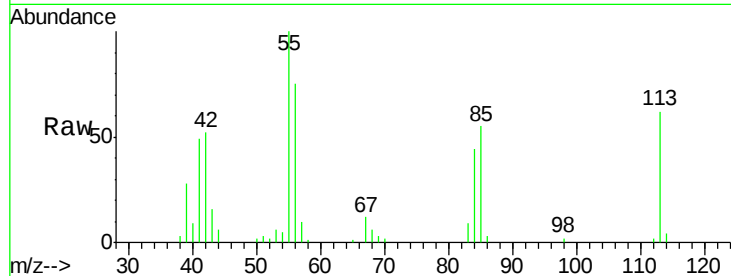




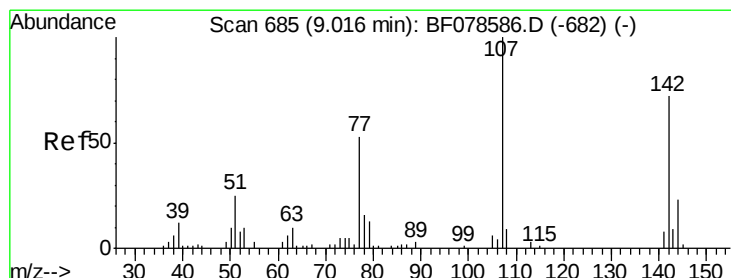
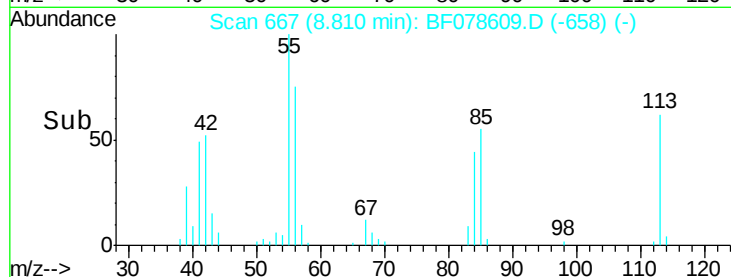
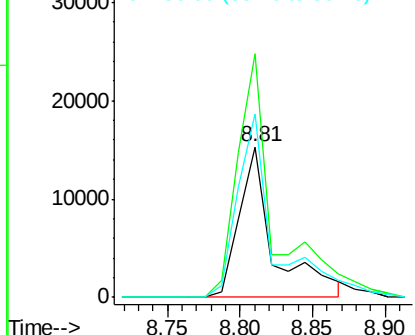
#35
 Caprolactam
 Concen: 32.19 ng
 RT: 8.81 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: BF078609.D
 Acq: 17 Apr 2015 17:03

Instrument :
 BNA_F
 ClientSampleId :
 PB82843BS

Tgt Ion:113 Resp: 25528
 Ion Ratio Lower Upper
 113 100
 55 161.7 151.9 191.9
 56 121.7 106.1 146.1

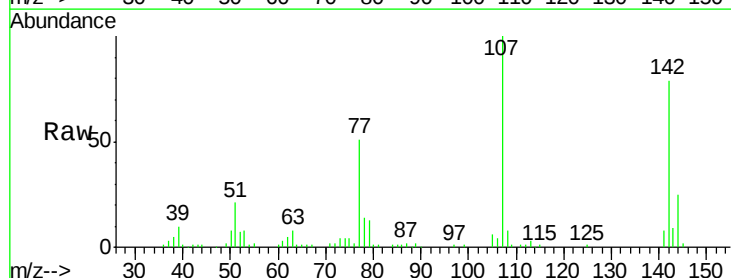


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

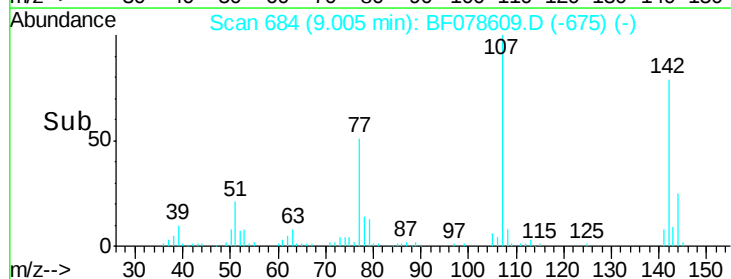
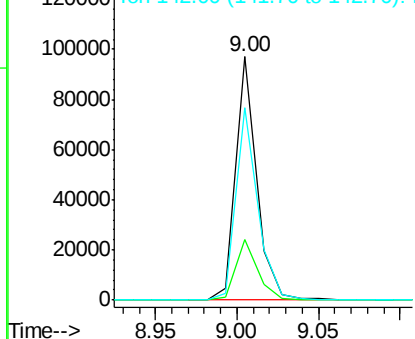


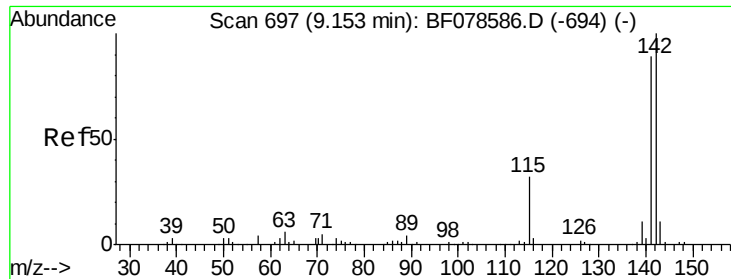
#36
 4-Chloro-3-methylphenol
 Concen: 32.05 ng
 RT: 9.00 min Scan# 684
 Delta R.T. -0.00 min
 Lab File: BF078609.D
 Acq: 17 Apr 2015 17:03

Tgt Ion:107 Resp: 85924
 Ion Ratio Lower Upper
 107 100
 144 25.0 18.2 27.2
 142 79.1 58.0 87.0



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

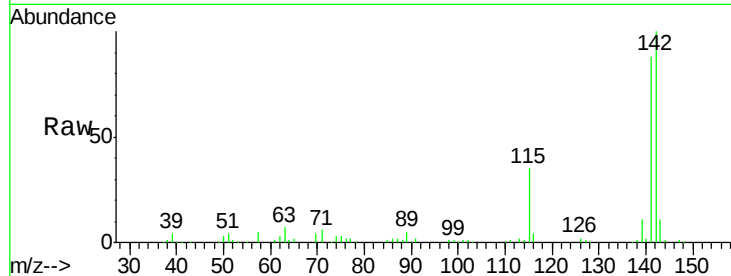




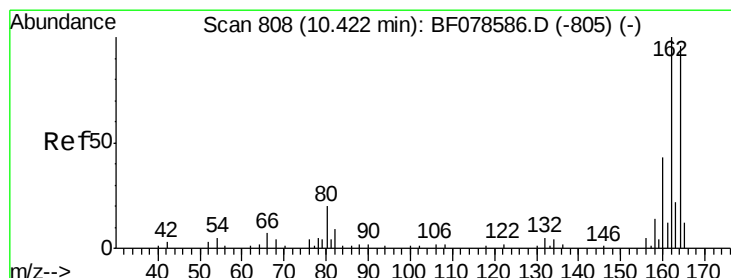
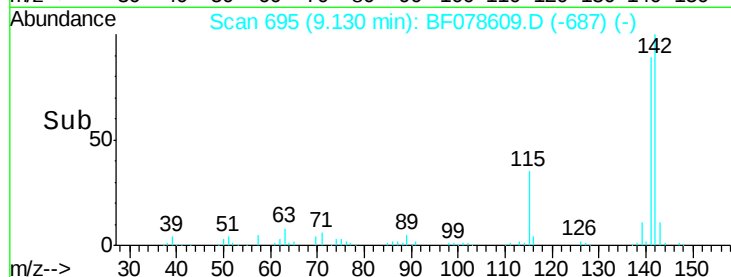
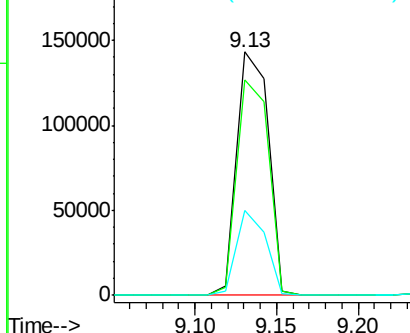
#37
 2-Methylnaphthalene
 Concen: 28.44 ng
 RT: 9.13 min Scan# 695
 Delta R.T. -0.01 min
 Lab File: BF078609.D
 Acq: 17 Apr 2015 17:03

Instrument :
 BNA_F
 ClientSampleId :
 PB82843BS

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.3	105.5
115	34.7	24.6	37.0

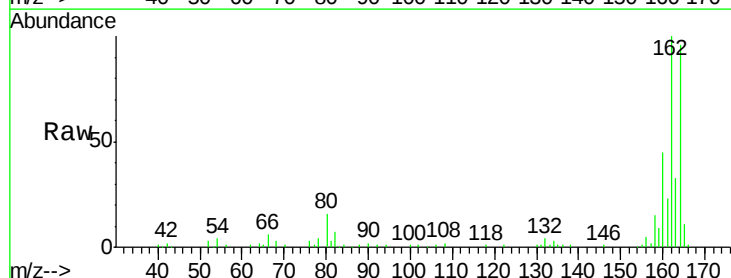


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

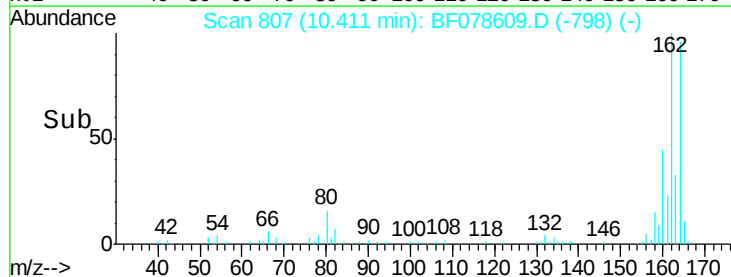
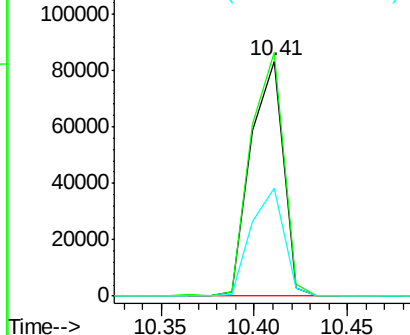


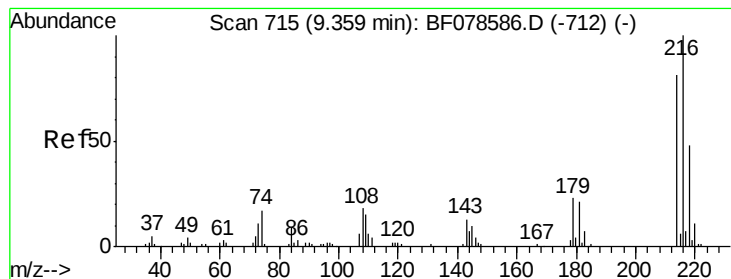
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.41 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BF078609.D
 Acq: 17 Apr 2015 17:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	82.2	123.2
160	46.2	34.7	52.1



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: 27.05 ng

RT: 9.35 min Scan# 714

Delta R.T. -0.00 min

Lab File: BF078609.D

Acq: 17 Apr 2015 17:03

Instrument :

BNA_F

ClientSampleId :

PB82843BS

Tgt Ion:216 Resp: 84206

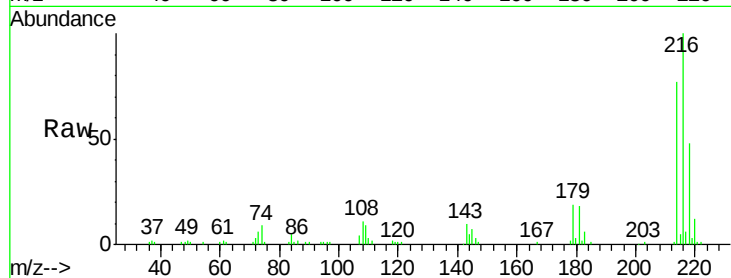
Ion Ratio Lower Upper

216 100

214 78.5 62.0 93.0

179 21.3 17.3 25.9

108 20.1 14.6 21.8

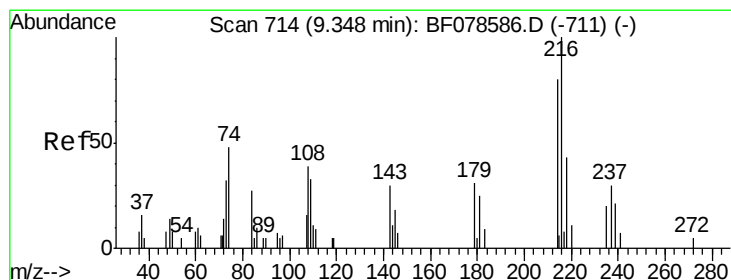
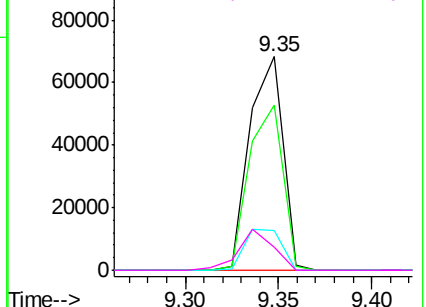
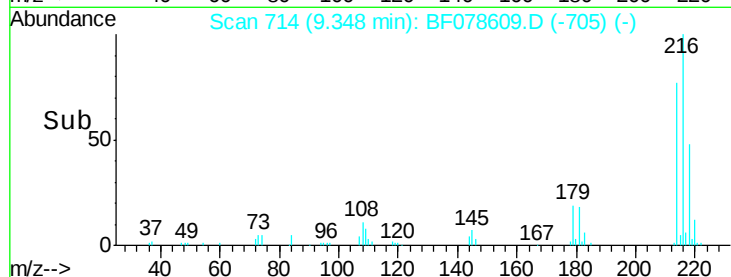


Abundance Ion 216.00 (215.70 to 216.70): E

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: 56.01 ng

RT: 9.32 min Scan# 712

Delta R.T. -0.00 min

Lab File: BF078609.D

Acq: 17 Apr 2015 17:03

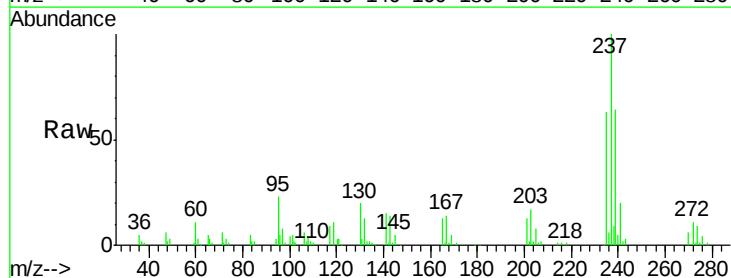
Tgt Ion:237 Resp: 72048

Ion Ratio Lower Upper

237 100

235 63.0 44.1 84.1

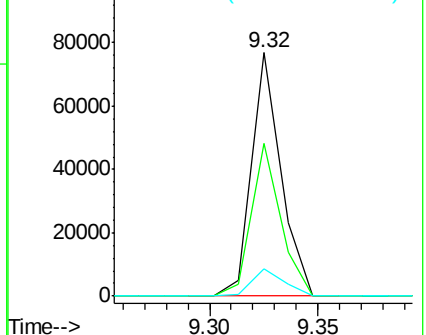
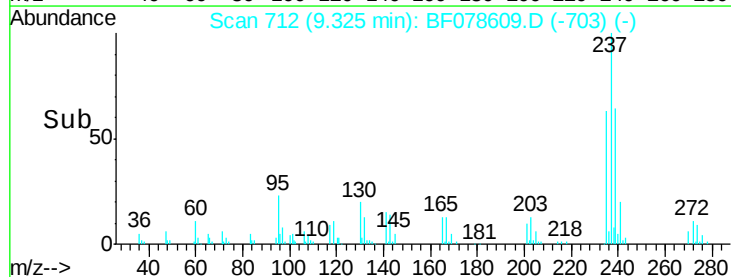
272 11.4 0.0 34.4

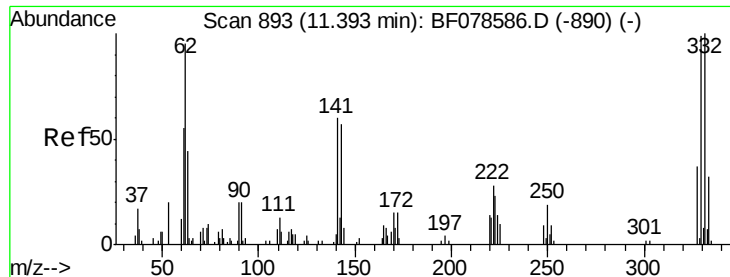


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

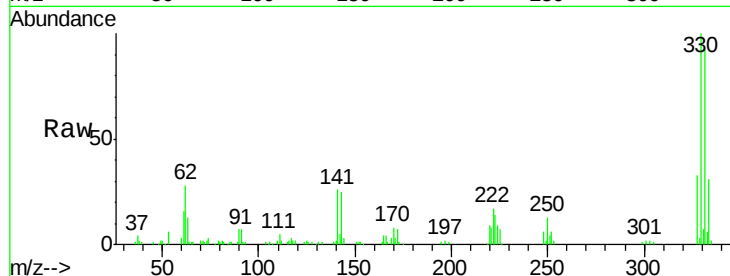




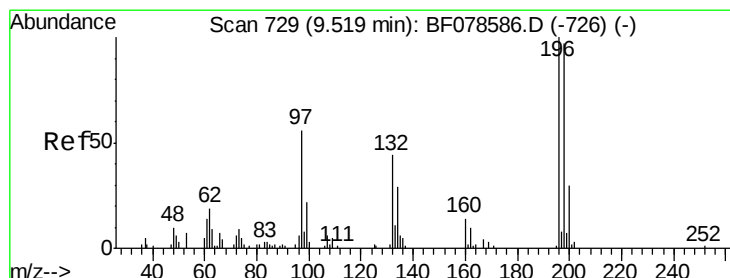
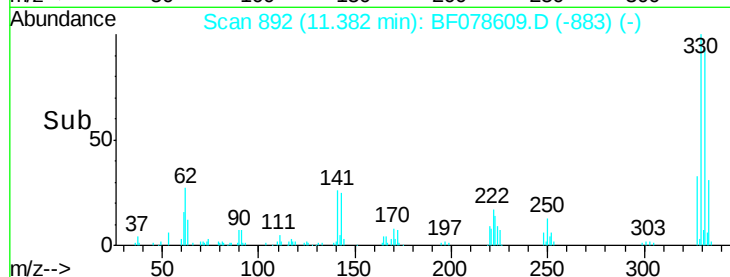
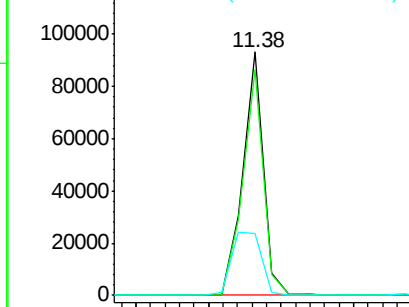
#41
 2,4,6-Tribromophenol
 Concen: 110.33 ng
 RT: 11.38 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: BF078609.D
 Acq: 17 Apr 2015 17:03

Instrument :
 BNA_F
 ClientSampleId :
 PB82843BS

Tgt Ion:330 Resp: 91916
 Ion Ratio Lower Upper
 330 100
 332 93.8 78.6 117.8
 141 37.3 31.2 46.8

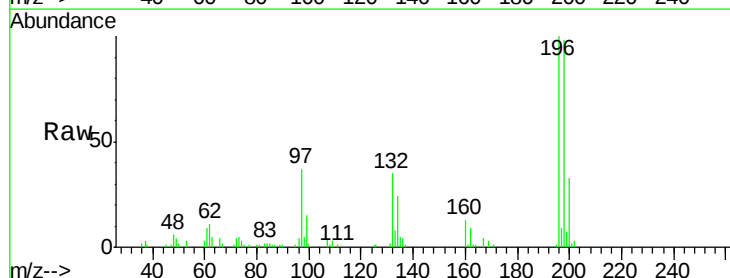


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

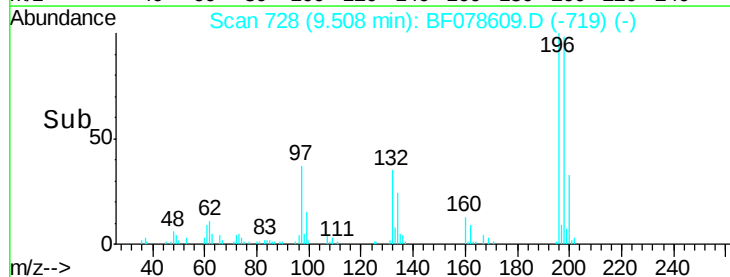
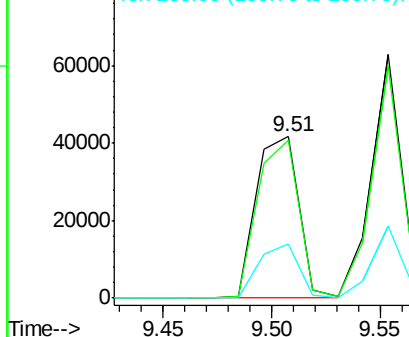


#42
 2,4,6-Trichlorophenol
 Concen: 29.02 ng
 RT: 9.51 min Scan# 728
 Delta R.T. -0.00 min
 Lab File: BF078609.D
 Acq: 17 Apr 2015 17:03

Tgt Ion:196 Resp: 56963
 Ion Ratio Lower Upper
 196 100
 198 97.7 75.4 113.2
 200 33.4 24.0 36.0



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

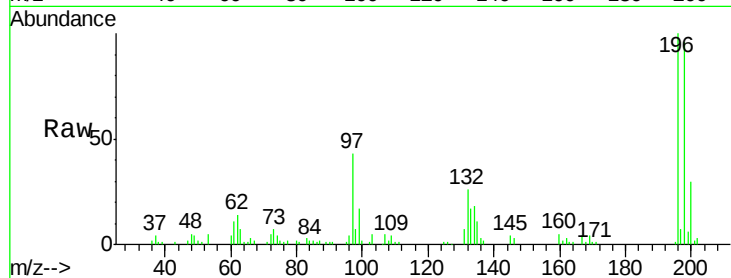




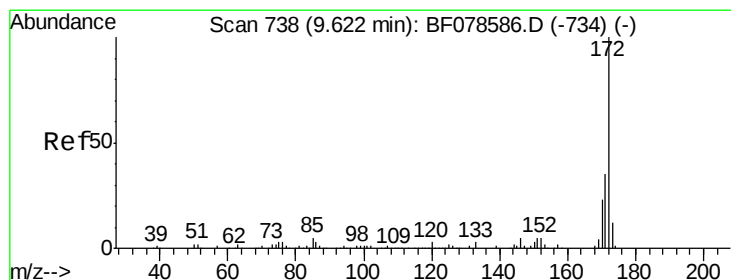
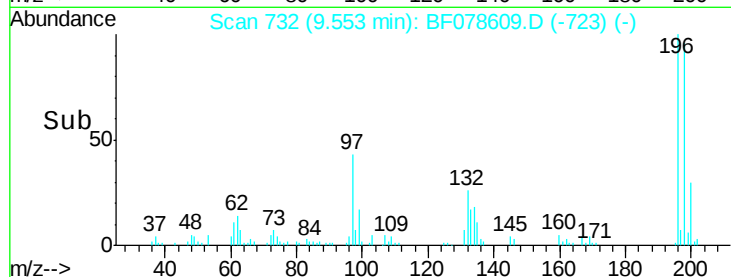
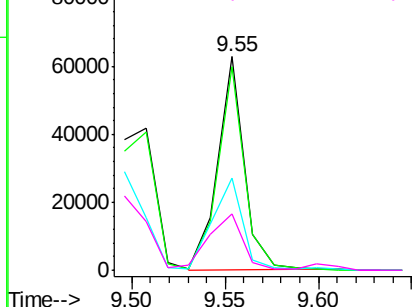
#43
 2,4,5-Trichlorophenol
 Concen: 30.26 ng
 RT: 9.55 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: BF078609.D
 Acq: 17 Apr 2015 17:03

Instrument :
 BNA_F
 ClientSampleId :
 PB82843BS

Tgt Ion:196 Resp: 62046
 Ion Ratio Lower Upper
 196 100
 198 95.6 76.6 115.0
 97 43.1 50.6 75.8#
 132 26.4 27.7 41.5#

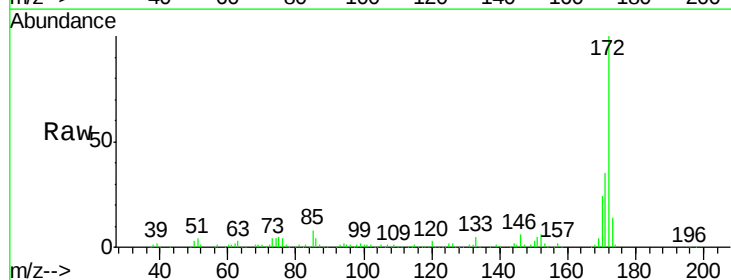


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 59.28 ng
 RT: 9.60 min Scan# 736
 Delta R.T. -0.00 min
 Lab File: BF078609.D
 Acq: 17 Apr 2015 17:03

Tgt Ion:172 Resp: 416594
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 42.8
 170 23.6 18.5 27.7



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

