

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032916\
 Data File : BG021558.D
 Acq On : 29 Mar 2016 18:57
 Operator : UM/SJ
 Sample : H1935-07
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AD3

Quant Time: Mar 30 01:36:27 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 30 01:34:35 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	109	20.00	ng/ul	-0.06
18) Naphthalene-d8	10.77	136	283	20.00	ng/ul	-0.09
36) Acenaphthene-d10	14.67	164	30722	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.41	188	76010	20.00	ng/ul	0.00
78) Chrysene-d12	21.66	240	86123	20.00	ng/ul	0.00
86) Perylene-d12	24.87	264	83717	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	209	86.03	ng/uL	0.01
5) Phenol-d5	7.35	99	5599	543.33	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.40	67	10575	1732.25	ng/ul	0.02
9) 2-Chlorophenol-d4	7.65	132	19873	2539.38	ng/ul	0.02
13) 4-Methylphenol-d8	8.86	113	11984	1357.77	ng/ul	0.02
19) Nitrobenzene-d5	9.24	128	13116	6177.39	ng/ul	0.01
22) 2-Nitrophenol-d4	9.95	143	14486	5968.84	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.59	165	22851	5267.15	ng/ul	0.02
29) 4-Chloroaniline-d4	10.92	131	263	46.37	ng/ul	-0.09
44) Dimethylphthalate-d6	14.07	166	84832	33.16	ng/ul	0.00
47) Acenaphthylene-d8	14.37	160	104619	33.18	ng/ul	0.00
52) 4-Nitrophenol-d4	15.10	143	1221	2.99	ng/ul	0.00
58) Fluorene-d10	15.66	176	76016	32.96	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.79	200	15845	31.55	ng/ul	0.00
71) Anthracene-d10	17.51	188	123921	33.27	ng/ul	0.00
79) Pyrene-d10	19.79	212	144986	36.10	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.65	264	146769	37.99	ng/ul	0.00

Target Compounds

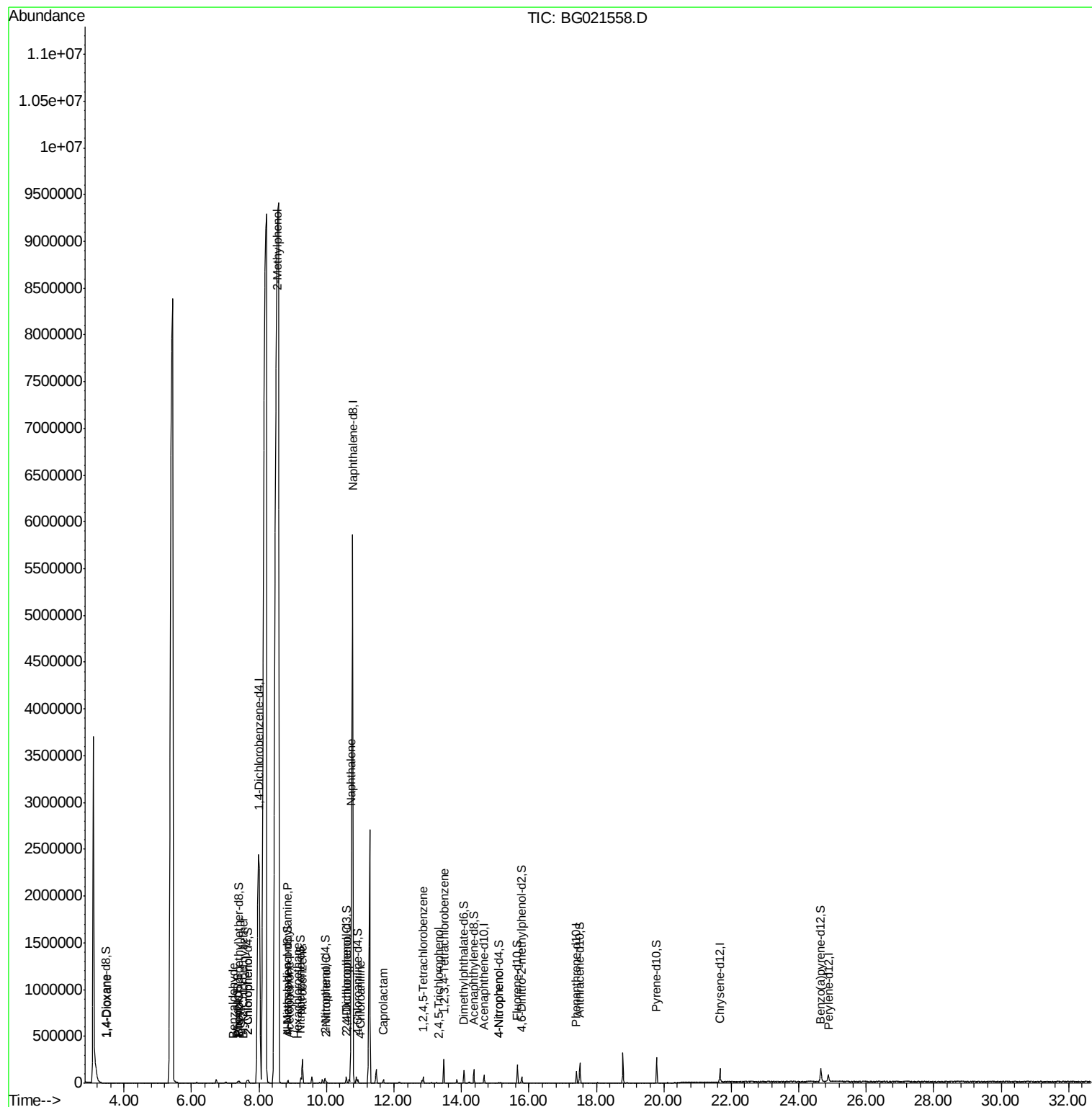
						Qvalue
2) 1,4-Dioxane	3.49	88	196	59.74	ng/uL#	75
4) Benzaldehyde	7.24	77	383	61.00	ng/ul	91
6) Phenol	7.38	94	5983	549.12	ng/ul	95
8) Bis(2-Chloroethyl)ether	7.53	93	119	15.09	ng/ul#	15
10) 2-Chlorophenol	7.67	128	16863	2096.51	ng/ul	91
11) 2-Methylphenol	8.55	108	142156	16955.23	ng/ul	97
14) Acetophenone	8.90	105	649	45.07	ng/ul#	82
15) N-Nitroso-di-n-propylamine	8.86	70	350	43.84	ng/ul#	1
17) Hexachloroethane	9.16	117	386	114.36	ng/ul#	85
20) Nitrobenzene	9.28	77	150039	25019.31	ng/ul	96
23) 2-Nitrophenol	9.99	139	5856	2185.79	ng/ul	89
27) 2,4-Dichlorophenol	10.61	162	3878	860.82	ng/ul#	85
28) Naphthalene	10.74	128	2027	135.09	ng/ul#	74
30) 4-Chloroaniline	11.00	127	662	111.21	ng/ul#	44
32) Caprolactam	11.68	113	2858	1689.12	ng/ul#	1
37) 1,2,4,5-Tetrachlorobenzene	12.87	216	22782	21.18	ng/ul	92
40) 2,4,5-Trichlorophenol	13.32	196	740	1.07	ng/ul#	72
53) 4-Nitrophenol	15.11	109	988	2.33	ng/ul#	73
73) 1,2,3,4-Tetrachlorobenzene	13.48	216	79448	74.65	ng/uL	92

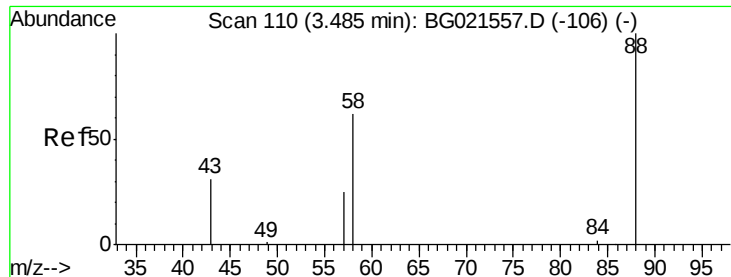
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 59.74 ng/uL

RT: 3.49 min Scan# 110

Delta R.T. 0.00 min

Lab File: BG021558.D

Acq: 29 Mar 2016 18:57

Instrument :

BNA_G

ClientSampled :

C0AD3

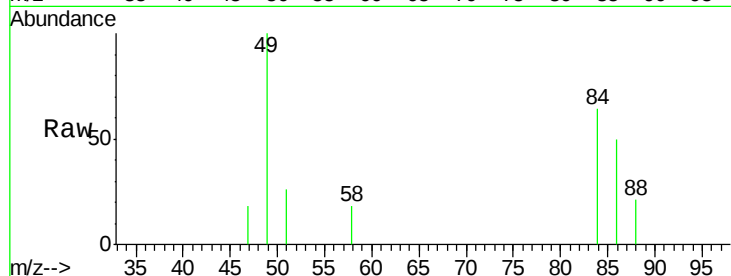
Tgt Ion: 88 Resp: 196

Ion Ratio Lower Upper

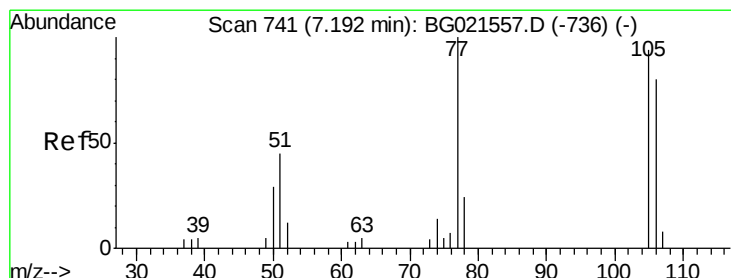
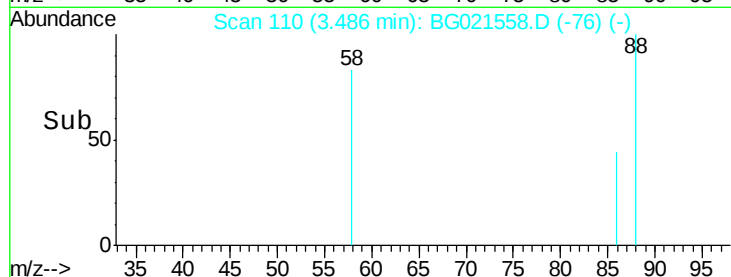
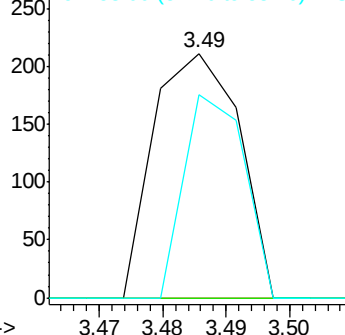
88 100

43 0.0 33.1 49.7#

58 82.9 64.1 96.1



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 43.00 (42.70 to 43.70): BGC
Ion 58.00 (57.70 to 58.70): BGC



#4

Benzaldehyde

Concen: 61.00 ng/uL

RT: 7.24 min Scan# 749

Delta R.T. 0.05 min

Lab File: BG021558.D

Acq: 29 Mar 2016 18:57

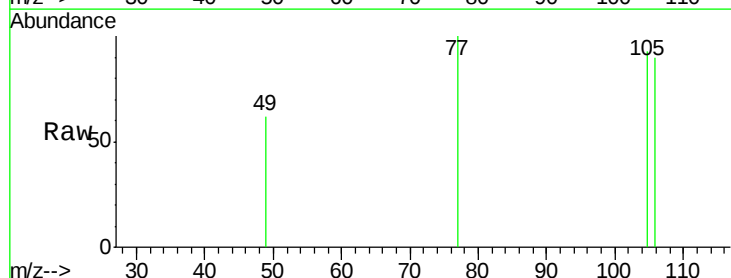
Tgt Ion: 77 Resp: 383

Ion Ratio Lower Upper

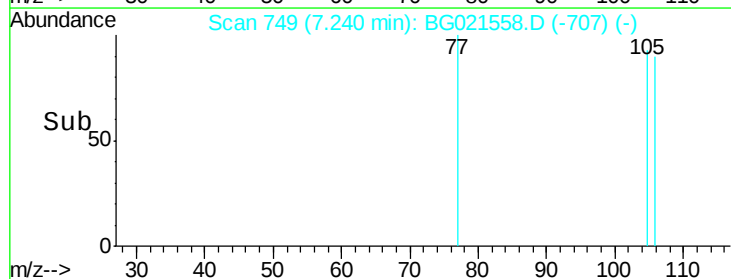
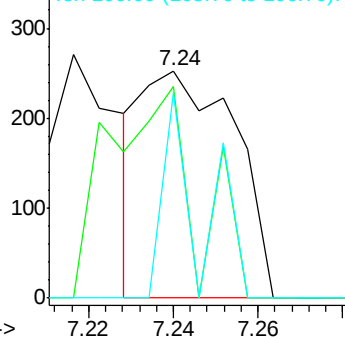
77 100

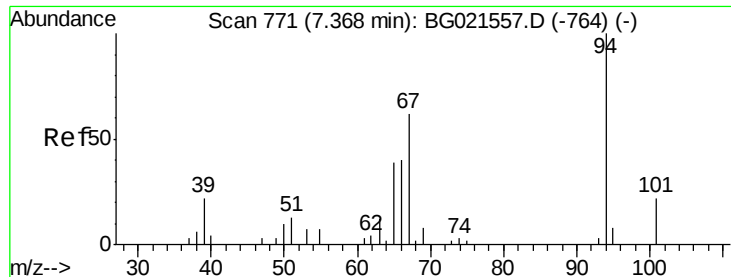
105 92.9 68.5 102.7

106 90.1 65.0 97.4



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#6

Phenol

Concen: 549.12 ng/ul

RT: 7.38 min Scan# 773

Delta R.T. 0.01 min

Lab File: BG021558.D

Acq: 29 Mar 2016 18:57

Instrument :

BNA_G

ClientSampleId :

C0AD3

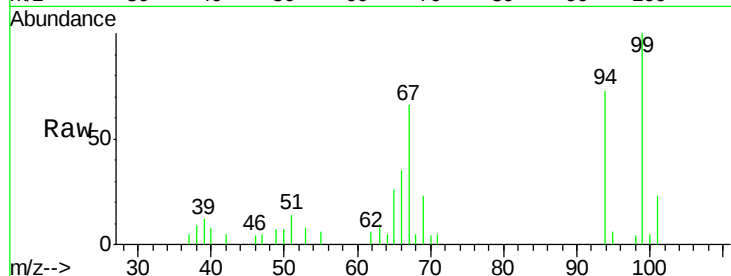
Tgt Ion: 94 Resp: 5983

Ion Ratio Lower Upper

94 100

65 35.0 26.1 39.1

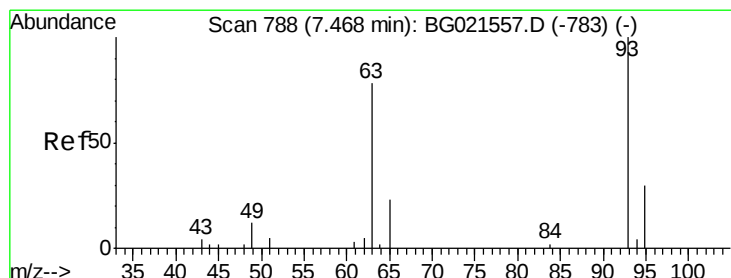
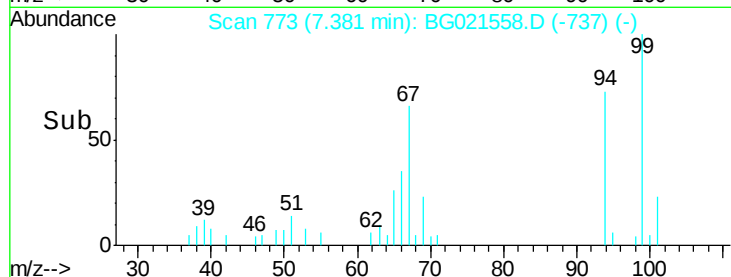
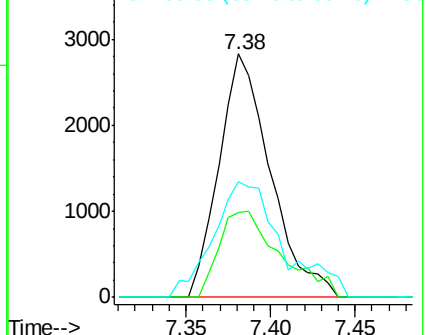
66 47.5 35.0 52.4



Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



#8

Bis(2-Chloroethyl)ether

Concen: 15.09 ng/ul

RT: 7.53 min Scan# 799

Delta R.T. 0.07 min

Lab File: BG021558.D

Acq: 29 Mar 2016 18:57

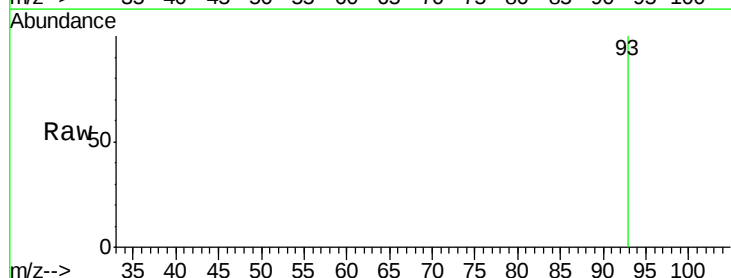
Tgt Ion: 93 Resp: 119

Ion Ratio Lower Upper

93 100

63 0.0 70.4 105.6#

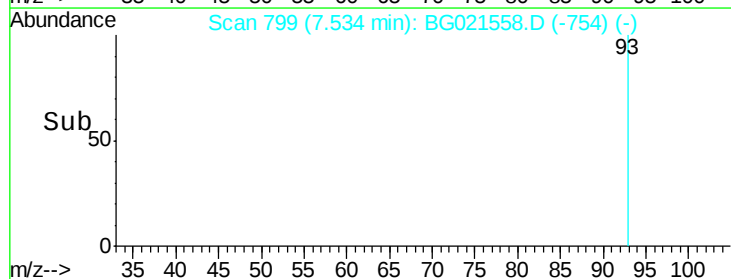
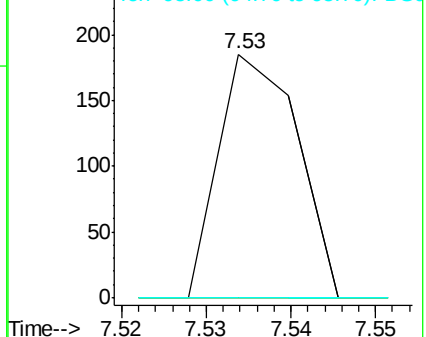
95 0.0 28.5 42.7#

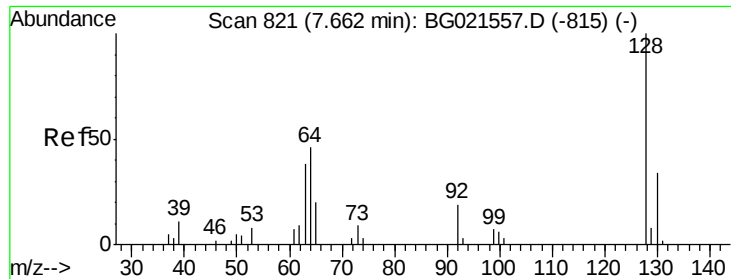


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

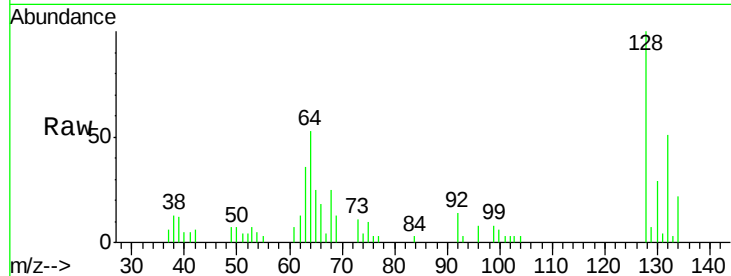




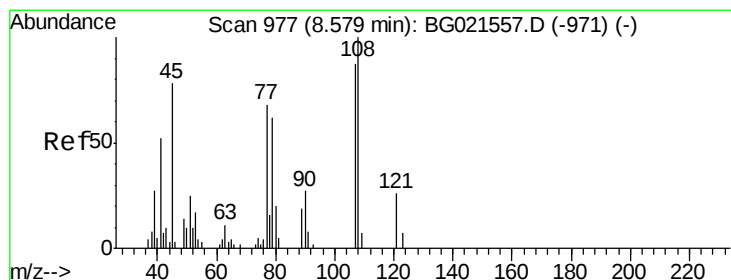
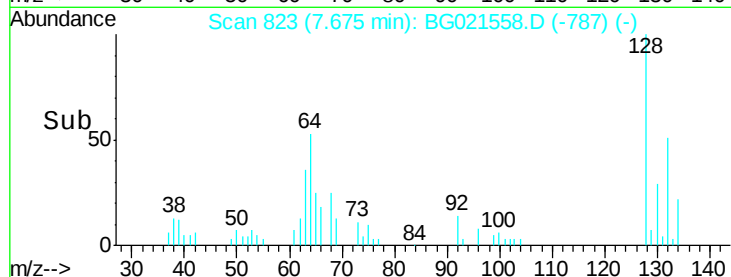
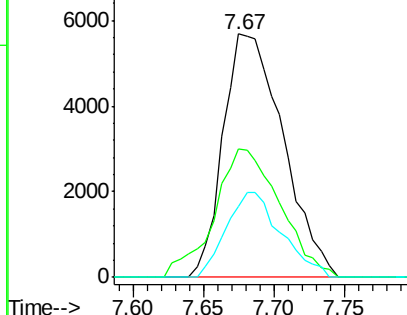
#10
2-Chlorophenol
Concen: 2096.51 ng/ul
RT: 7.67 min Scan# 823
Delta R.T. 0.01 min
Lab File: BG021558.D
Acq: 29 Mar 2016 18:57

Instrument :
BNA_G
ClientSampleId :
C0AD3

Tgt Ion:128 Resp: 16863
Ion Ratio Lower Upper
128 100
64 52.5 47.0 70.6
130 29.1 27.8 41.6

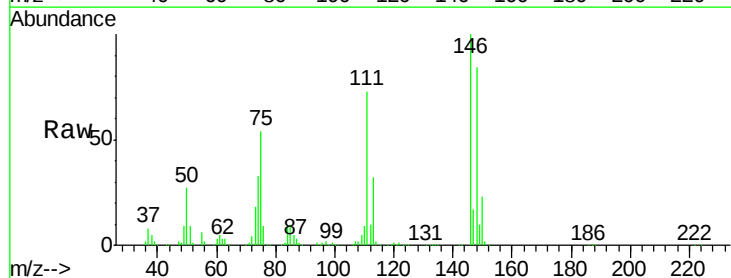


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 130.00 (129.70 to 130.70): E

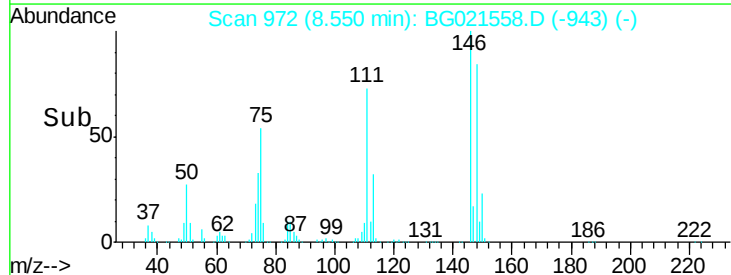
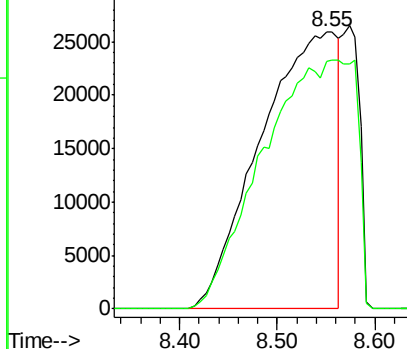


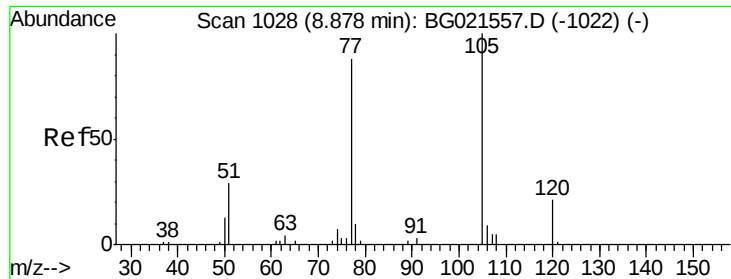
#11
2-Methylphenol
Concen: 16955.23 ng/ul
RT: 8.55 min Scan# 972
Delta R.T. -0.03 min
Lab File: BG021558.D
Acq: 29 Mar 2016 18:57

Tgt Ion:108 Resp: 142156
Ion Ratio Lower Upper
108 100
107 89.2 73.4 110.0



Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E

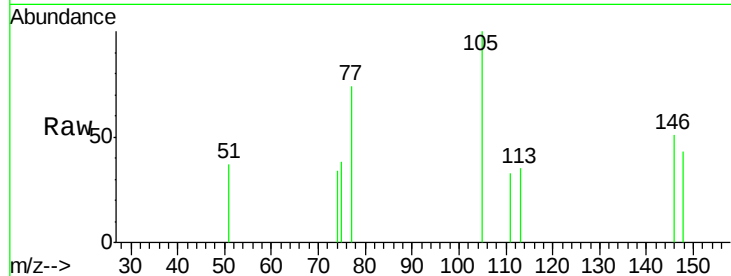




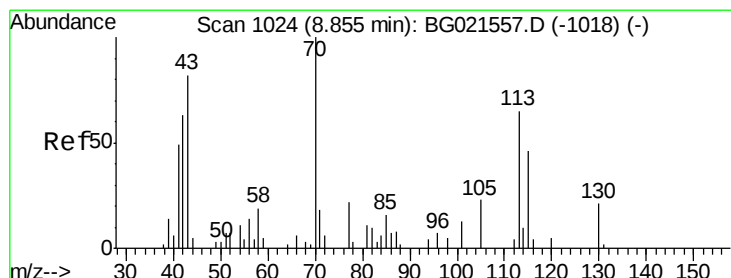
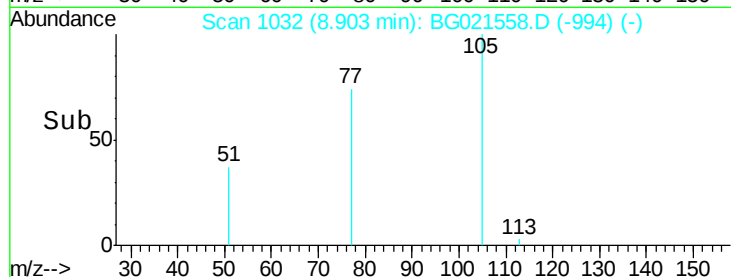
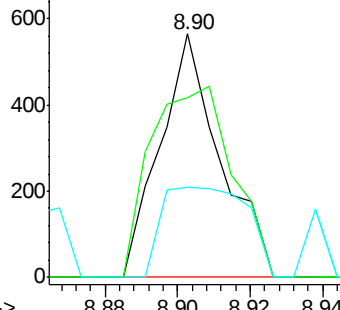
#14
Acetophenone
Concen: 45.07 ng/ul
RT: 8.90 min Scan# 1032
Delta R.T. 0.02 min
Lab File: BG021558.D
Acq: 29 Mar 2016 18:57

Instrument :
BNA_G
ClientSampleId :
C0AD3

Tgt Ion: 105 Resp: 649
Ion Ratio Lower Upper
105 100
77 73.6 76.3 114.5#
51 37.0 27.6 41.4

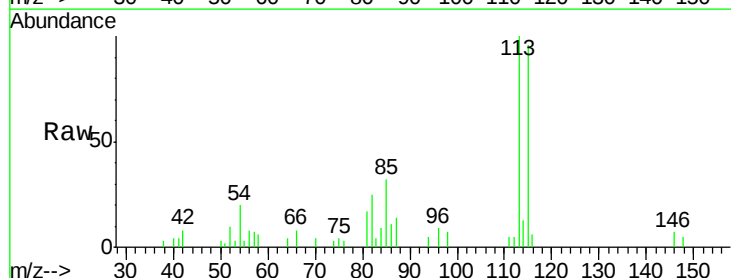


Abundance Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 51.00 (50.70 to 51.70): BG

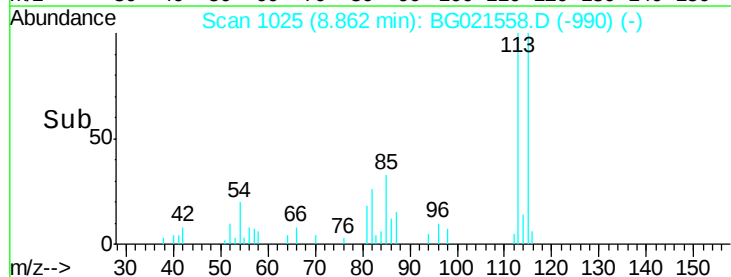
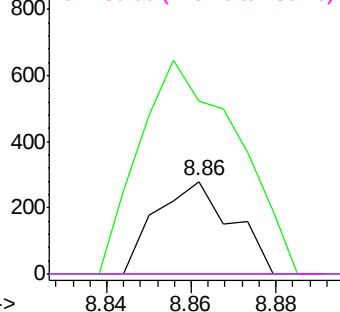


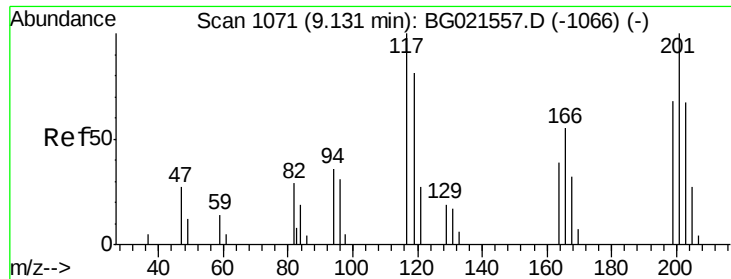
#15
N-Nitroso-di-n-propylamine
Concen: 43.84 ng/ul
RT: 8.86 min Scan# 1025
Delta R.T. 0.01 min
Lab File: BG021558.D
Acq: 29 Mar 2016 18:57

Tgt Ion: 70 Resp: 350
Ion Ratio Lower Upper
70 100
42 187.5 43.4 65.0#
101 0.0 6.5 9.7#
130 0.0 13.8 20.6#



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





#17

Hexachloroethane

Concen: 114.36 ng/ul

RT: 9.16 min Scan# 1075

Delta R.T. 0.02 min

Lab File: BG021558.D

Acq: 29 Mar 2016 18:57

Instrument :

BNA_G

ClientSampleId :

C0AD3

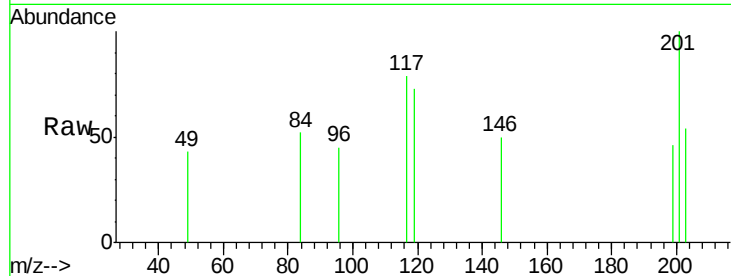
Tgt Ion: 117 Resp: 386

Ion Ratio Lower Upper

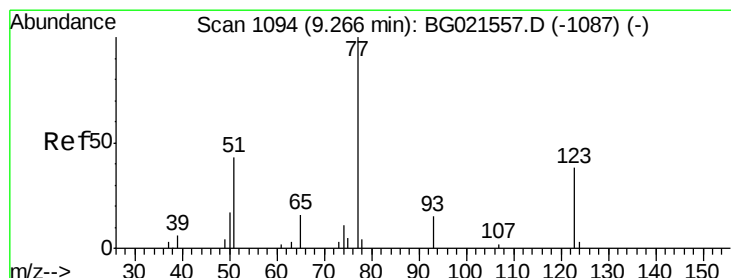
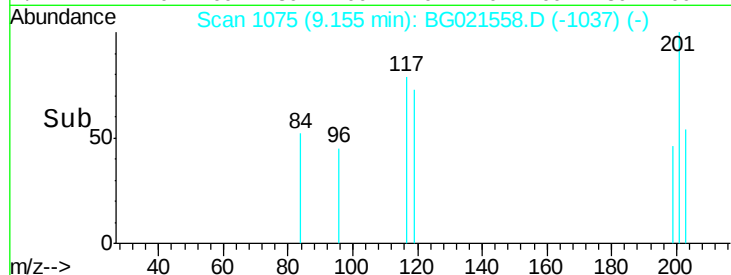
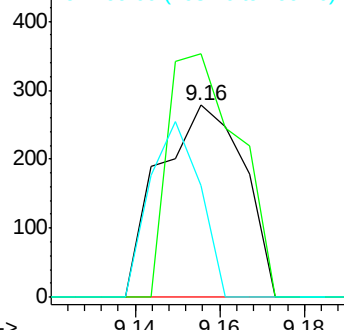
117 100

201 127.0 83.5 125.3#

199 58.3 49.3 73.9



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E



#20

Nitrobenzene

Concen: 25019.31 ng/ul

RT: 9.28 min Scan# 1097

Delta R.T. 0.02 min

Lab File: BG021558.D

Acq: 29 Mar 2016 18:57

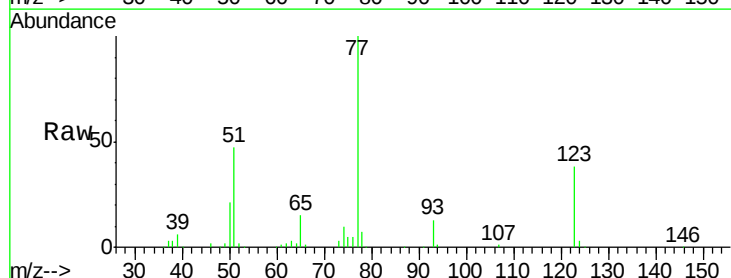
Tgt Ion: 77 Resp: 150039

Ion Ratio Lower Upper

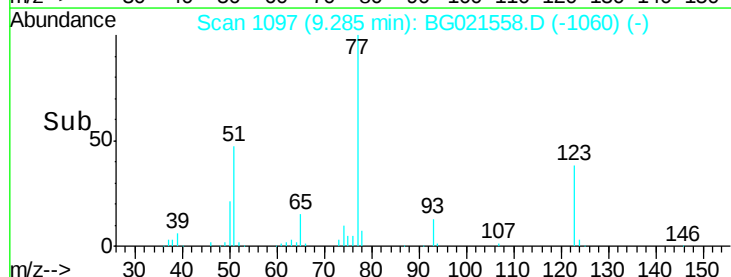
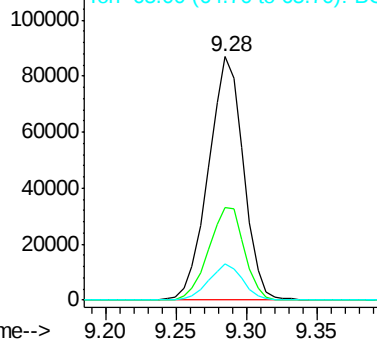
77 100

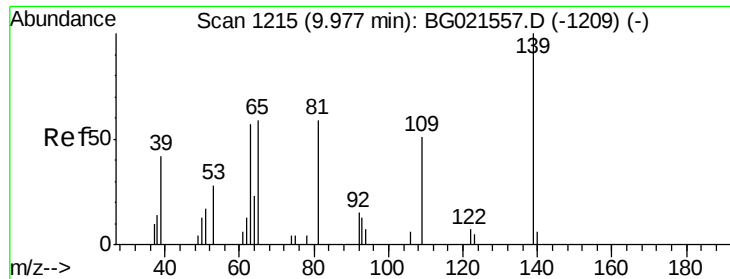
123 37.8 28.4 42.6

65 15.0 11.0 16.6



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): E
Ion 65.00 (64.70 to 65.70): BGC

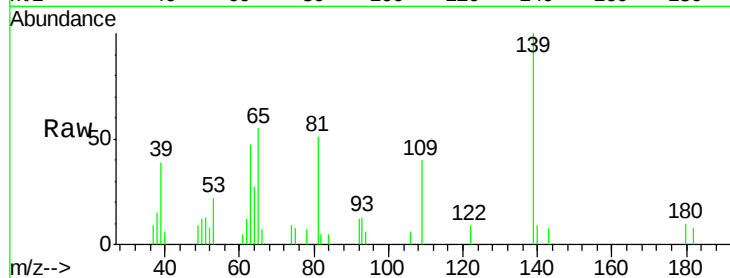




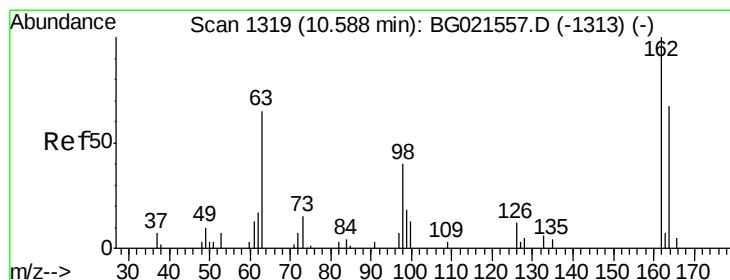
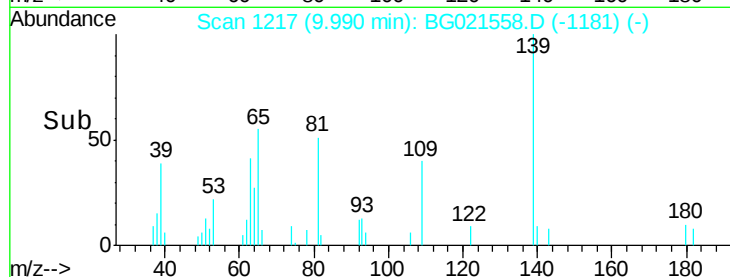
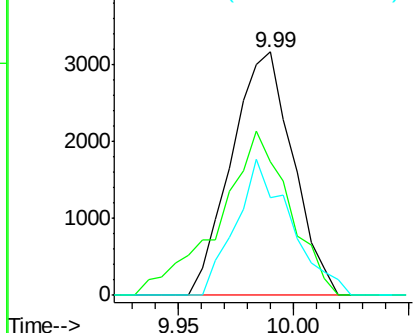
#23
 2-Nitrophenol
 Concen: 2185.79 ng/ul
 RT: 9.99 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: BG021558.D
 Acq: 29 Mar 2016 18:57

Instrument :
 BNA_G
 ClientSampleId :
 C0AD3

Tgt Ion:139 Resp: 5856
 Ion Ratio Lower Upper
 139 100
 65 55.1 55.0 82.4
 109 40.0 31.4 47.2

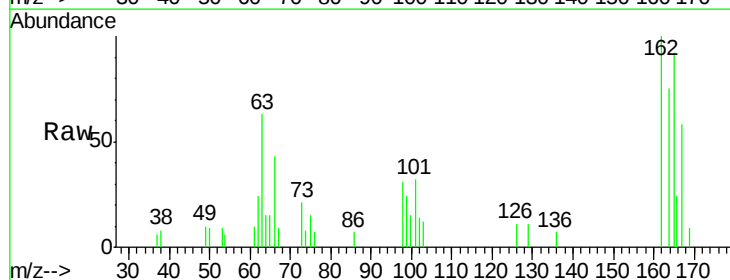


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 65.00 (64.70 to 65.70): BG
 Ion 109.00 (108.70 to 109.70): E

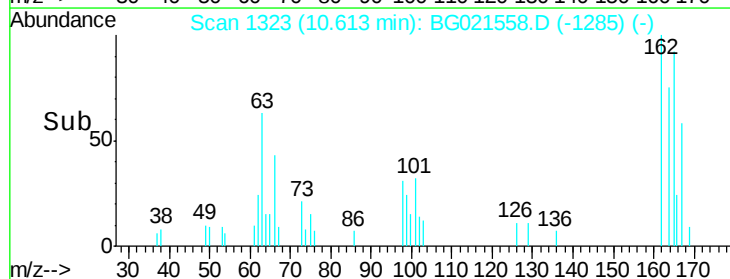
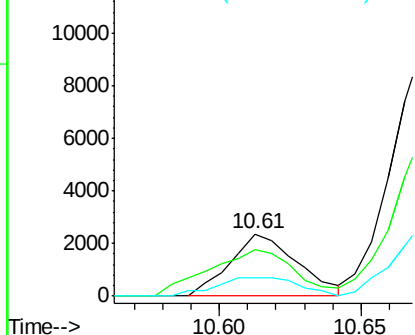


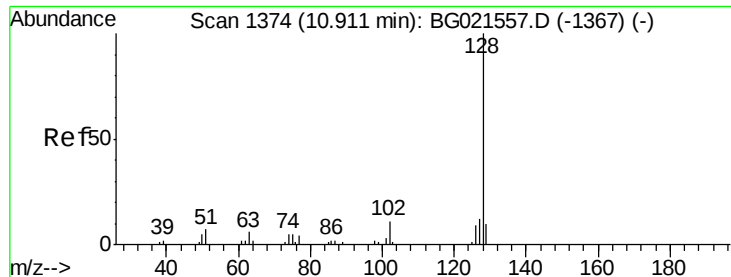
#27
 2,4-Dichlorophenol
 Concen: 860.82 ng/ul
 RT: 10.61 min Scan# 1323
 Delta R.T. 0.02 min
 Lab File: BG021558.D
 Acq: 29 Mar 2016 18:57

Tgt Ion:162 Resp: 3878
 Ion Ratio Lower Upper
 162 100
 164 74.9 50.3 75.5
 98 30.6 30.8 46.2#



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): BG

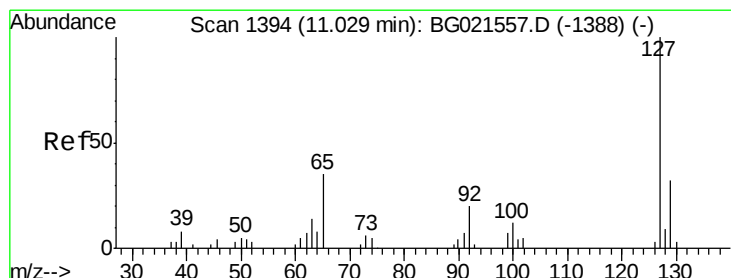
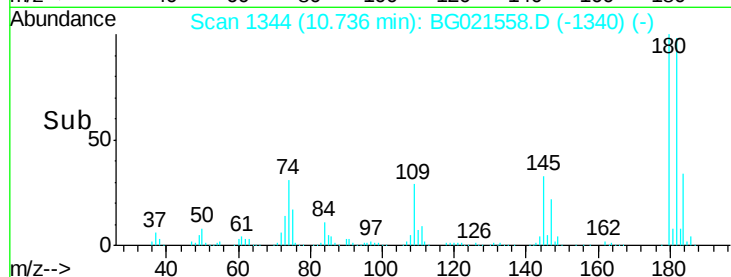
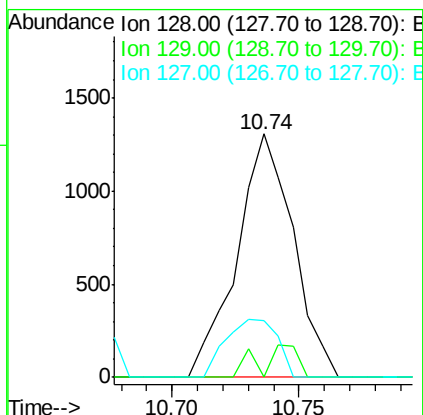
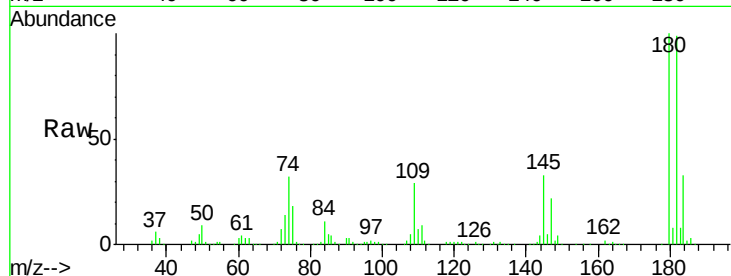




#28
Naphthalene
Concen: 135.09 ng/ul
RT: 10.74 min Scan# 1344
Delta R.T. -0.18 min
Lab File: BG021558.D
Acq: 29 Mar 2016 18:57

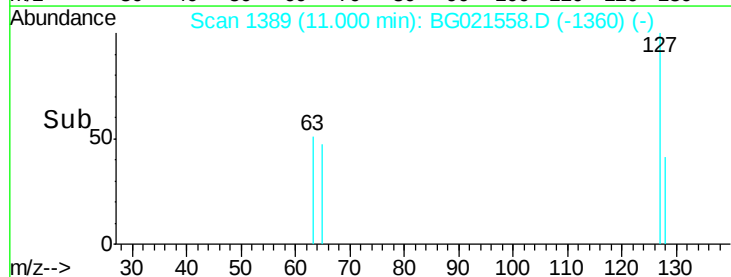
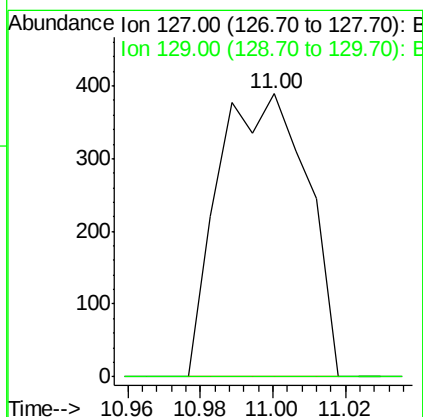
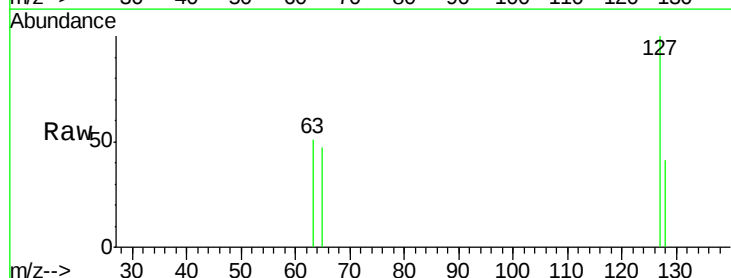
Instrument :
BNA_G
ClientSampleId :
C0AD3

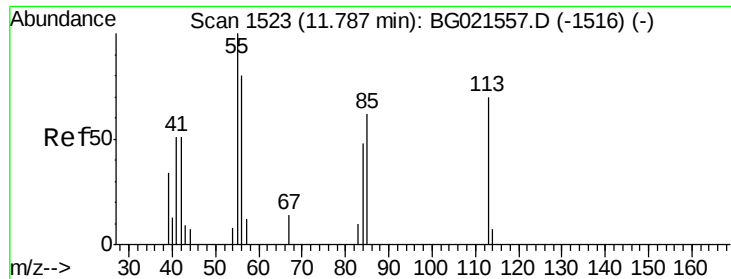
Tgt Ion:128 Resp: 2027
Ion Ratio Lower Upper
128 100
129 0.0 8.3 12.5#
127 23.6 10.8 16.2#



#30
4-Chloroaniline
Concen: 111.21 ng/ul
RT: 11.00 min Scan# 1389
Delta R.T. -0.03 min
Lab File: BG021558.D
Acq: 29 Mar 2016 18:57

Tgt Ion:127 Resp: 662
Ion Ratio Lower Upper
127 100
129 0.0 24.8 37.2#





#32

Caprolactam

Concen: 1689.12 ng/ul

RT: 11.68 min Scan# 1505

Delta R.T. -0.10 min

Lab File: BG021558.D

Acq: 29 Mar 2016 18:57

Instrument :

BNA_G

ClientSampleId :

C0AD3

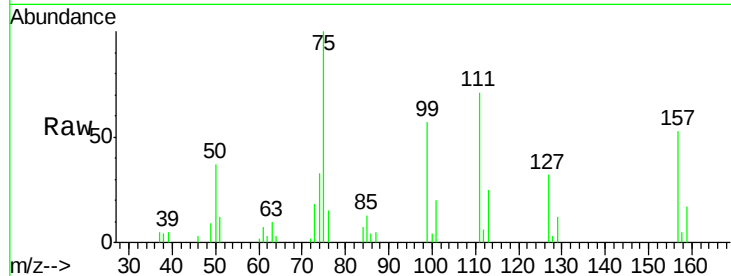
Tgt Ion:113 Resp: 2858

Ion Ratio Lower Upper

113 100

55 0.0 155.5 233.3#

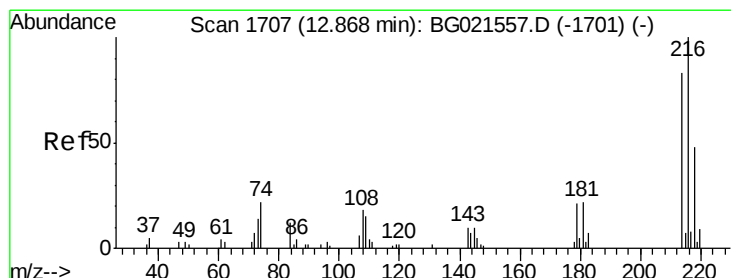
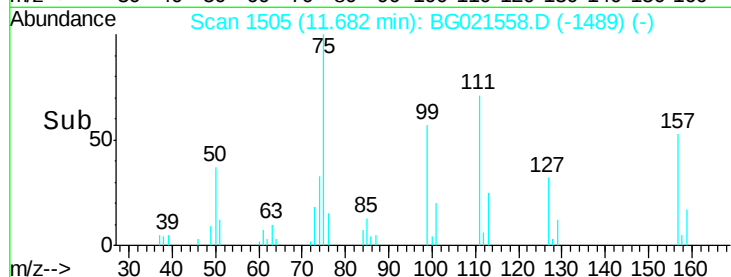
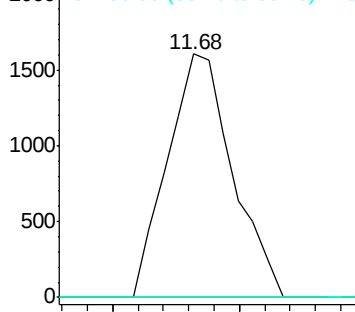
56 0.0 105.7 158.5#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#37

1,2,4,5-Tetrachlorobenzene

Concen: 21.18 ng/ul

RT: 12.87 min Scan# 1707

Delta R.T. 0.00 min

Lab File: BG021558.D

Acq: 29 Mar 2016 18:57

Tgt Ion:216 Resp: 22782

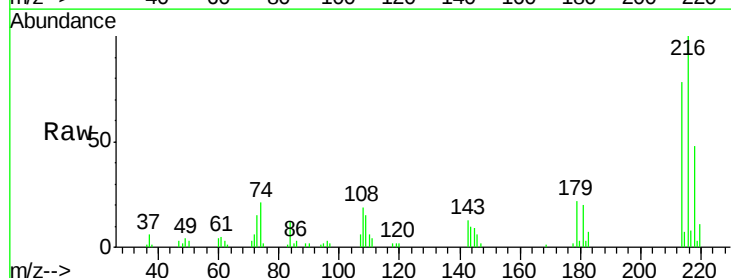
Ion Ratio Lower Upper

216 100

214 79.4 57.8 86.8

179 20.5 19.5 29.3

108 17.7 15.8 23.8

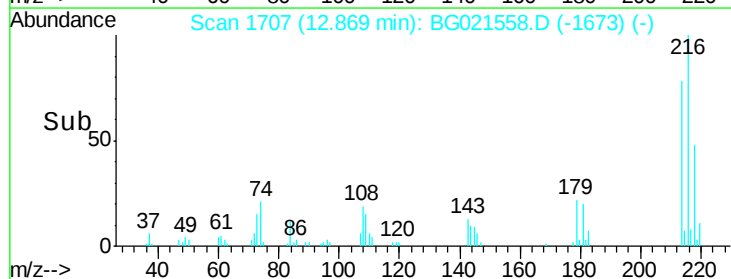
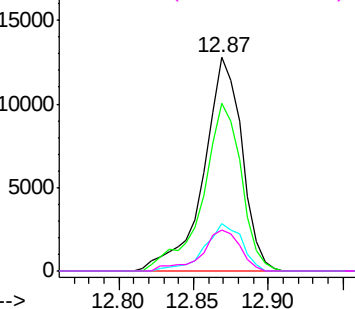


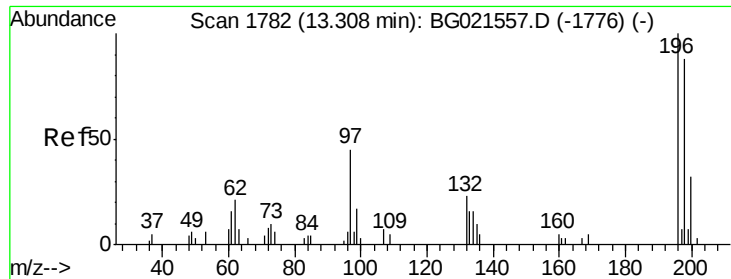
Abundance Ion 216.00 (215.70 to 216.70): E

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

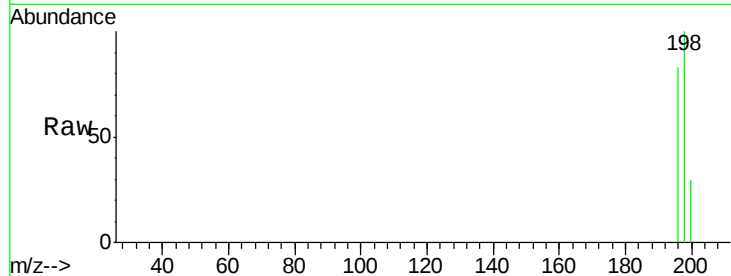




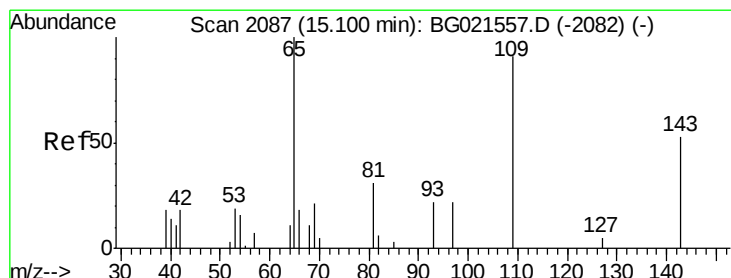
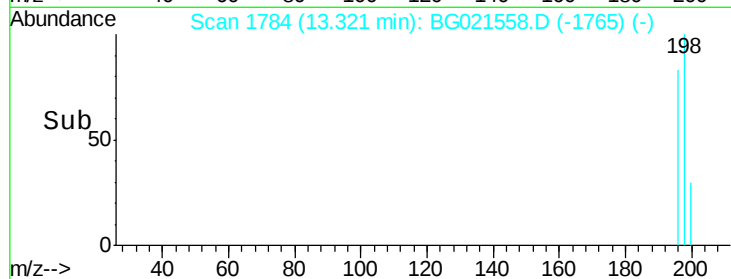
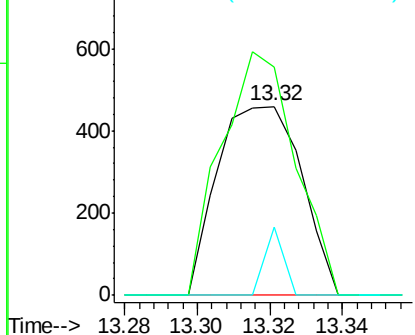
#40
 2,4,5-Trichlorophenol
 Concen: 1.07 ng/ul
 RT: 13.32 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: BG021558.D
 Acq: 29 Mar 2016 18:57

Instrument :
 BNA_G
 ClientSampleId :
 C0AD3

Tgt Ion:196 Resp: 740
 Ion Ratio Lower Upper
 196 100
 198 120.7 72.2 108.2#
 200 35.9 22.2 33.2#

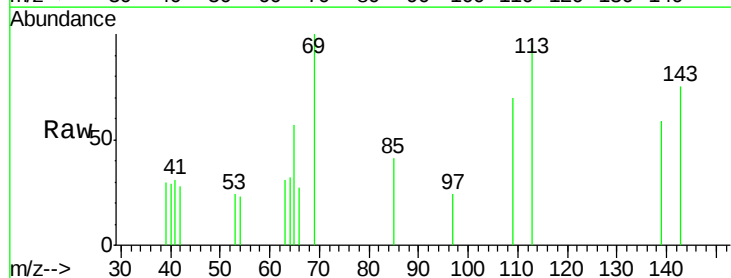


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

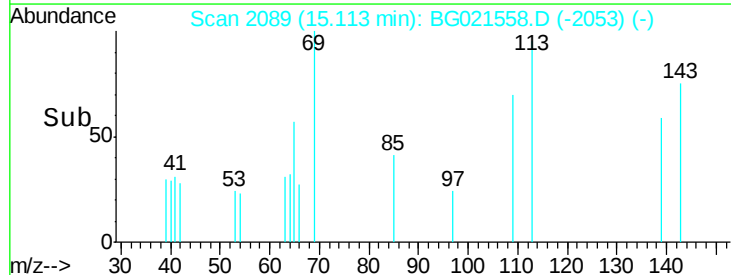
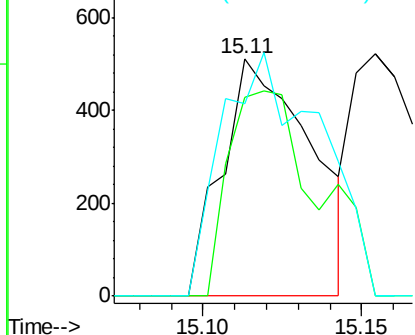


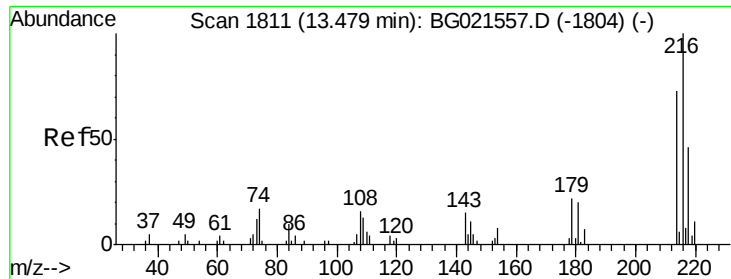
#53
 4-Nitrophenol
 Concen: 2.33 ng/ul
 RT: 15.11 min Scan# 2089
 Delta R.T. 0.01 min
 Lab File: BG021558.D
 Acq: 29 Mar 2016 18:57

Tgt Ion:109 Resp: 988
 Ion Ratio Lower Upper
 109 100
 139 83.8 75.9 113.9
 65 81.0 99.8 149.8#



Abundance Ion 109.00 (108.70 to 109.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 65.00 (64.70 to 65.70): BGC

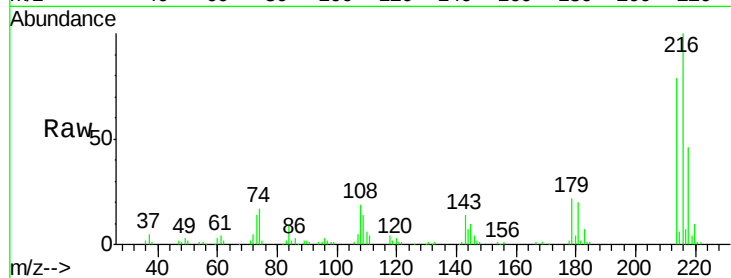




#73
 1,2,3,4-Tetrachlorobenzene
 Concen: 74.65 ng/uL
 RT: 13.48 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: BG021558.D
 Acq: 29 Mar 2016 18:57

Instrument :
 BNA_G
 ClientSampleId :
 C0AD3

Tgt Ion: 216 Resp: 79448
 Ion Ratio Lower Upper
 216 100
 214 78.6 69.2 103.8
 218 46.4 41.4 62.0



Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 218.00 (217.70 to 218.70): E

