

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031716\
 Data File : BG021439.D
 Acq On : 17 Mar 2016 19:23
 Operator : UM/SJ
 Sample : H1785-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 18 04:04:50 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG031616.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 18 04:03:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	7119	20.00	ng/ul	0.06
18) Naphthalene-d8	10.91	136	42838	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.70	164	27603	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	65018	20.00	ng/ul	0.00
78) Chrysene-d12	21.70	240	76792	20.00	ng/ul	0.00
86) Perylene-d12	24.93	264	74704	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.36	99	5095	7.57	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	7.43	67	15134	37.96	ng/ul	0.02
9) 2-Chlorophenol-d4	7.67	132	15886	31.08	ng/ul	0.02
13) 4-Methylphenol-d8	8.87	113	10484	18.19	ng/ul	0.02
19) Nitrobenzene-d5	9.27	128	11069	34.44	ng/ul	0.02
22) 2-Nitrophenol-d4	9.99	143	11981	32.61	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.58	165	19153	29.17	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	497	0.58	ng/ul	0.01
44) Dimethylphthalate-d6	14.10	166	75334	32.78	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	91782	32.40	ng/ul	0.00
52) 4-Nitrophenol-d4	15.08	143	2052	5.59	ng/ul	0.01
58) Fluorene-d10	15.68	176	65343	31.53	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	13938	32.45	ng/ul	0.00
71) Anthracene-d10	17.54	188	109362	34.32	ng/ul	0.00
79) Pyrene-d10	19.82	212	128685	35.94	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.71	264	133566	38.74	ng/ul	0.00

Target Compounds

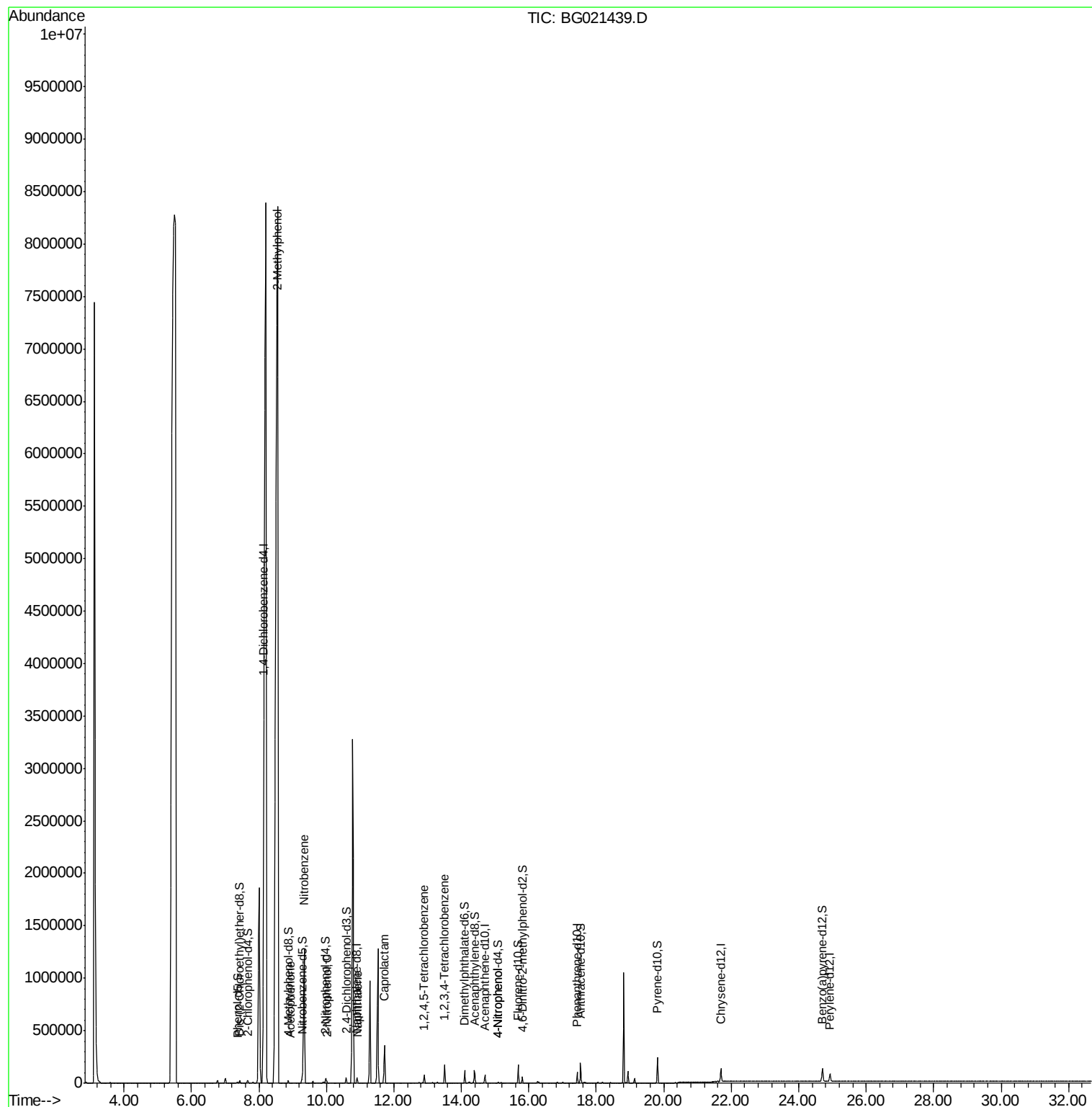
						Ovalue
11) 2-Methylphenol	8.56	108	95513	174.42	ng/ul	98
14) Acetophenone	8.93	105	2261	2.40	ng/ul	86
20) Nitrobenzene	9.35	77	989047	1089.55	ng/ul#	87
23) 2-Nitrophenol	10.02	139	4077	10.05	ng/ul	90
28) Naphthalene	10.93	128	3617	1.59	ng/ul#	69
32) Caprolactam	11.72	113	24415	95.33	ng/ul#	1
37) 1,2,4,5-Tetrachlorobenzene	12.90	216	26532	27.46	ng/ul	95
53) 4-Nitrophenol	15.09	109	859	2.25	ng/ul#	87
73) 1,2,3,4-Tetrachlorobenzene	13.51	216	53568	58.84	ng/uL	94

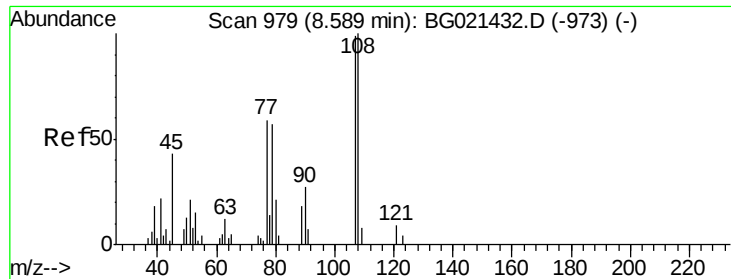
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

2-Methylphenol

Concen: 174.42 ng/ul

RT: 8.56 min Scan# 973

Delta R.T. -0.03 min

Lab File: BG021439.D

Acq: 17 Mar 2016 19:23

Instrument :

BNA_G

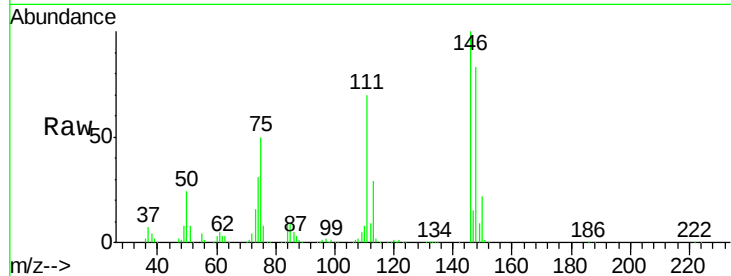
ClientSampleId :

Tot Ion:108 Resp: 95513

Ion Ratio Lower Upper

108 100

107 90.0 73.4 110.0



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

25000

20000

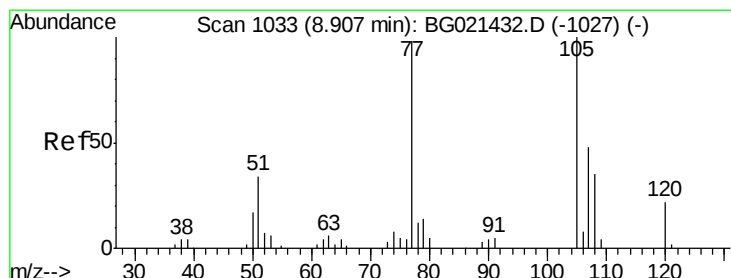
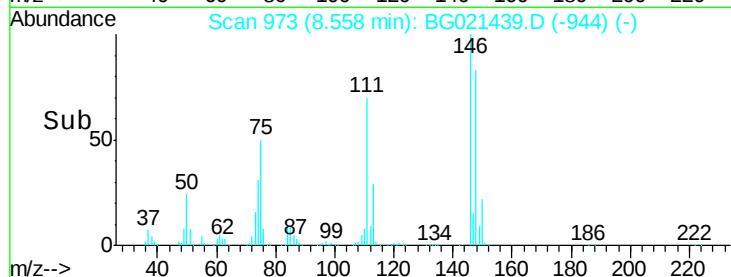
15000

10000

5000

0

Time--> 8.40 8.45 8.50 8.55 8.60



#14

Acetophenone

Concen: 2.40 ng/ul

RT: 8.93 min Scan# 1036

Delta R.T. 0.02 min

Lab File: BG021439.D

Acq: 17 Mar 2016 19:23

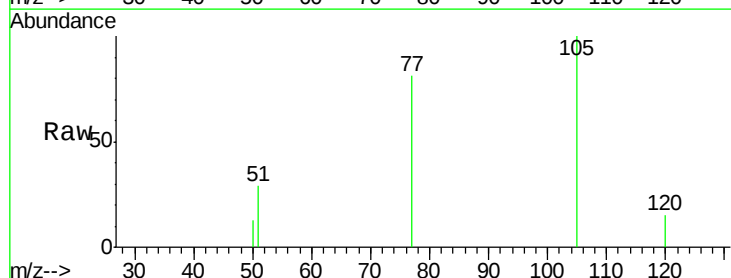
Tgt Ion:105 Resp: 2261

Ion Ratio Lower Upper

105 100

77 80.7 76.3 114.5

51 28.6 27.6 41.4



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG0

Ion 51.00 (50.70 to 51.70): BG0

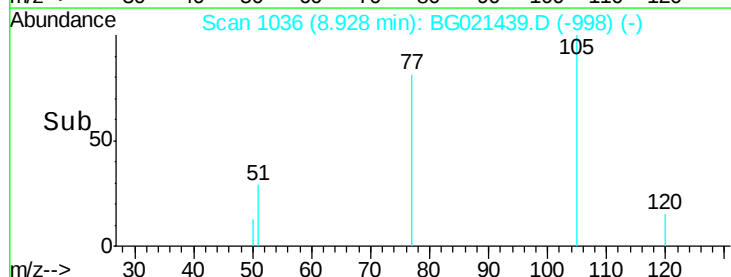
1500

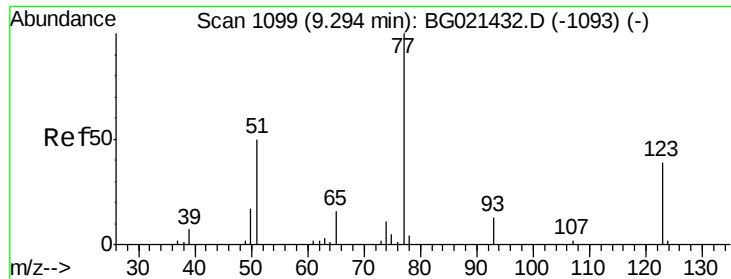
1000

500

0

Time--> 8.88 8.90 8.92 8.94 8.96

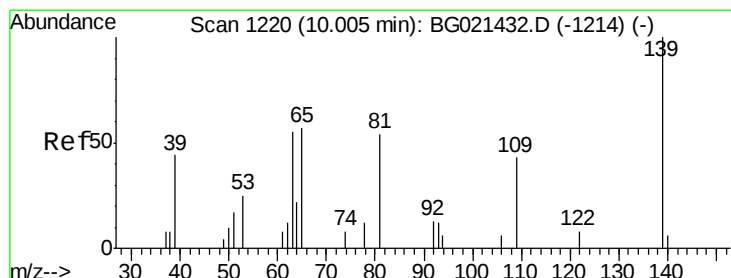
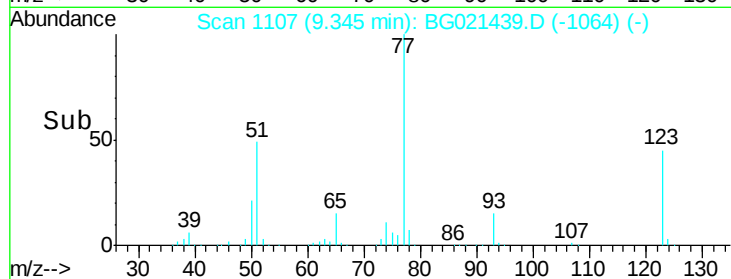
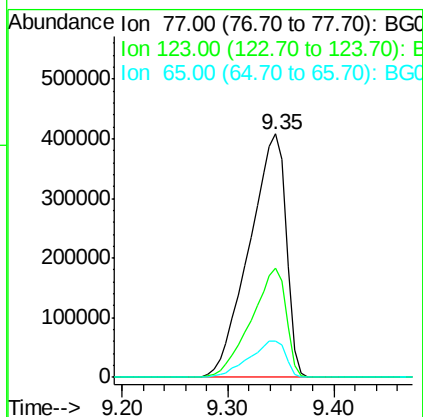
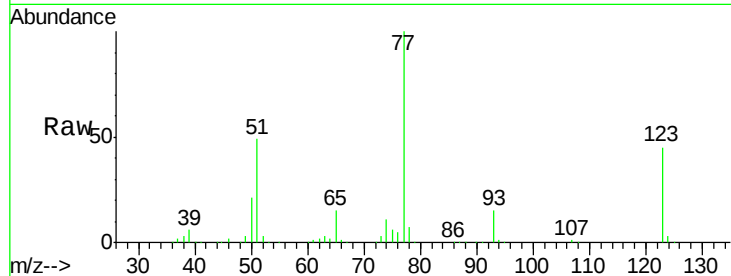




#20
Nitrobenzene
Concen: 1089.55 ng/ul
RT: 9.35 min Scan# 1107
Delta R.T. 0.05 min
Lab File: BG021439.D
Acq: 17 Mar 2016 19:23

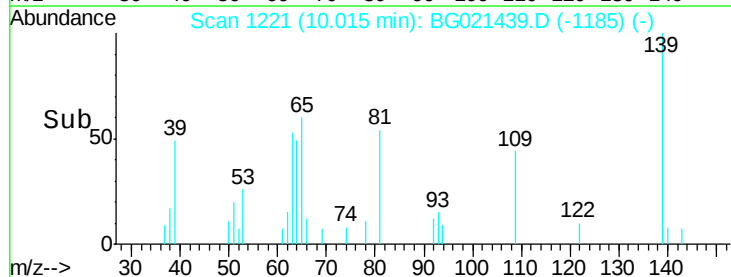
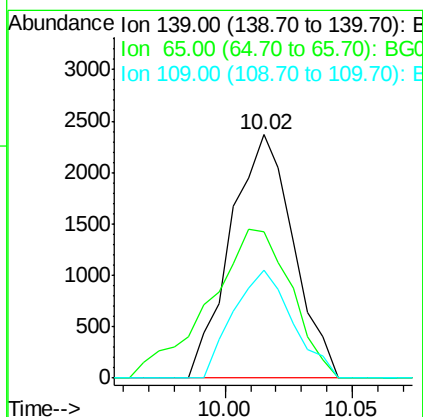
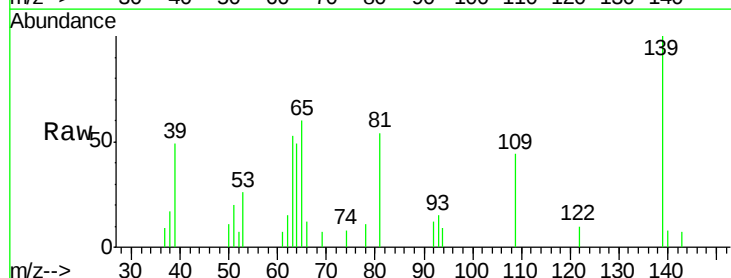
Instrument :
BNA_G
ClientSampled :

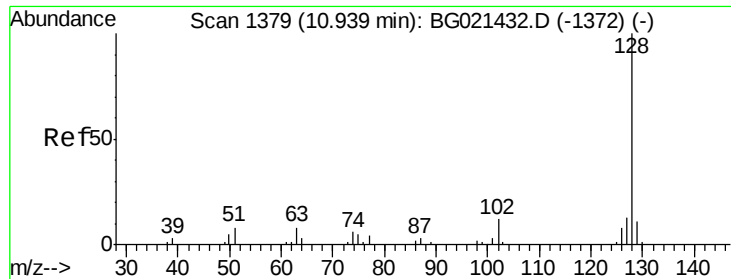
Tot Ion: 77 Resp: 989047
Ion Ratio Lower Upper
77 100
123 44.9 28.4 42.6#
65 15.1 11.0 16.6



#23
2-Nitrophenol
Concen: 10.05 ng/ul
RT: 10.02 min Scan# 1221
Delta R.T. 0.01 min
Lab File: BG021439.D
Acq: 17 Mar 2016 19:23

Tgt Ion: 139 Resp: 4077
Ion Ratio Lower Upper
139 100
65 60.1 55.0 82.4
109 44.4 31.4 47.2





#28

Naphthalene

Concen: 1.59 ng/ul

RT: 10.93 min Scan# 1377

Delta R.T. -0.01 min

Lab File: BG021439.D

Acq: 17 Mar 2016 19:23

Instrument :

BNA_G

ClientSampleId :

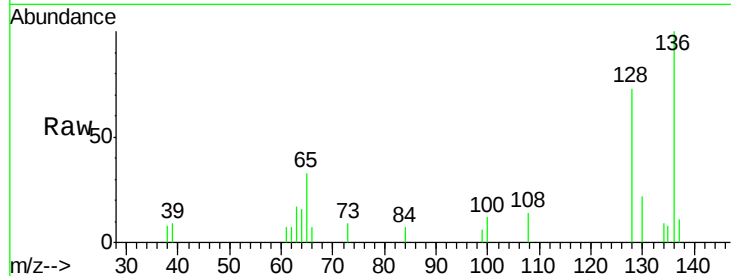
Tot Ion:128 Resp: 3617

Ion Ratio Lower Upper

128 100

129 0.0 8.3 12.5#

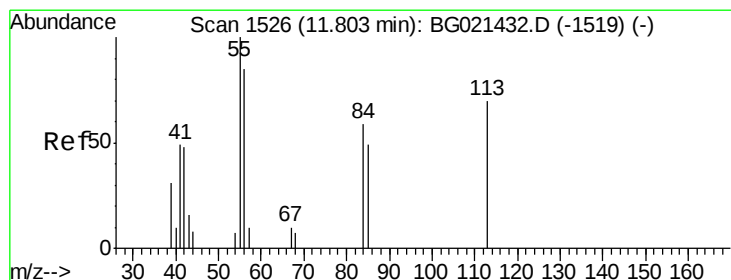
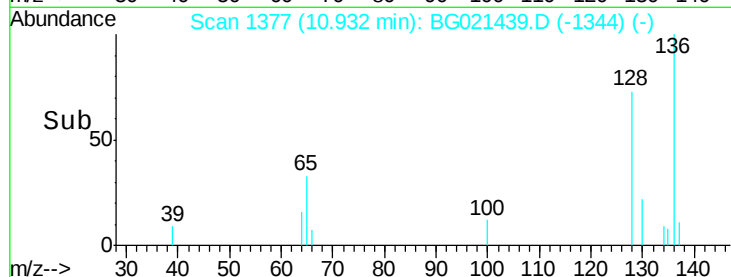
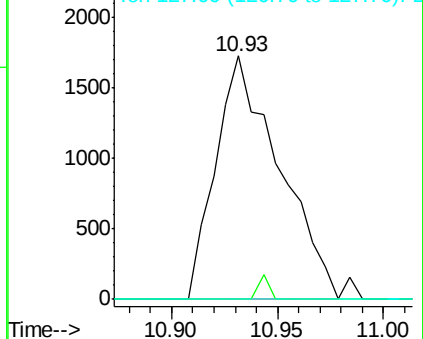
127 0.0 10.8 16.2#



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

Caprolactam

Concen: 95.33 ng/ul

RT: 11.72 min Scan# 1512

Delta R.T. -0.08 min

Lab File: BG021439.D

Acq: 17 Mar 2016 19:23

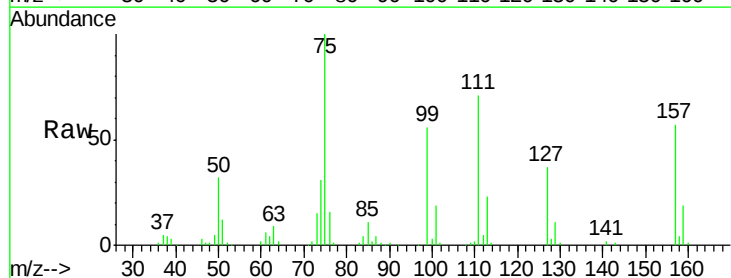
Tgt Ion:113 Resp: 24415

Ion Ratio Lower Upper

113 100

55 0.0 155.5 233.3#

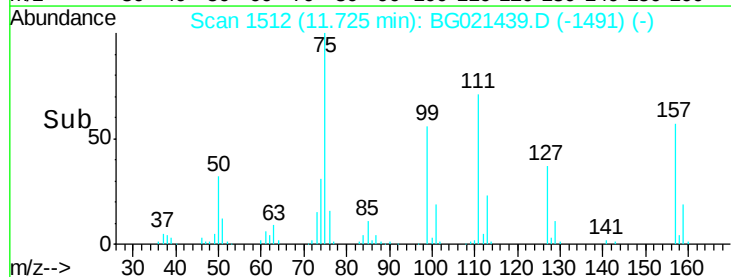
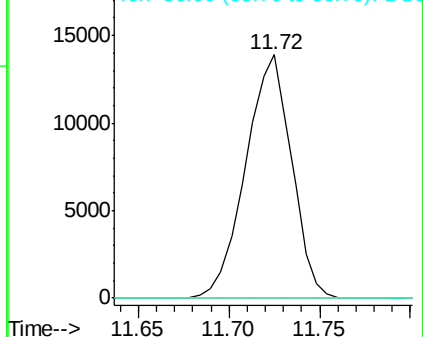
56 0.0 105.7 158.5#

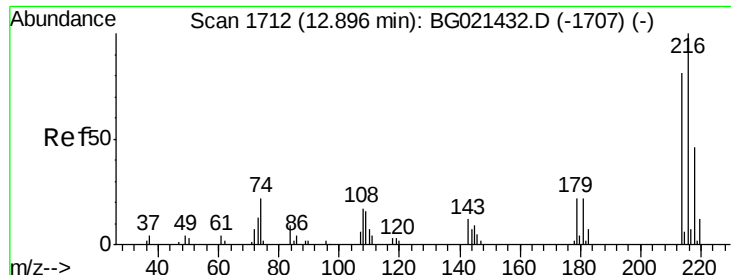


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC

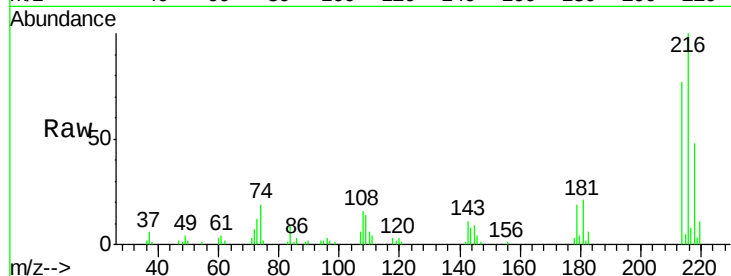




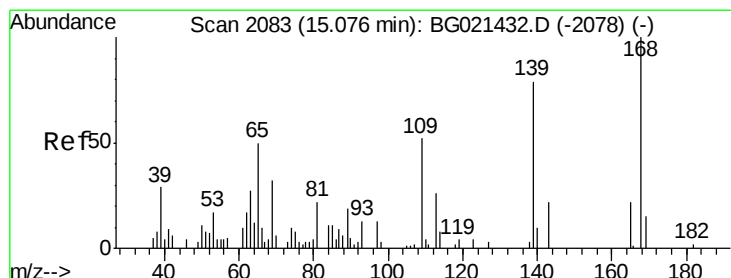
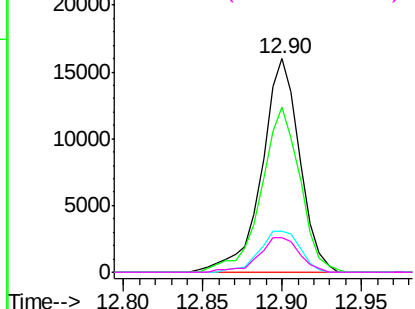
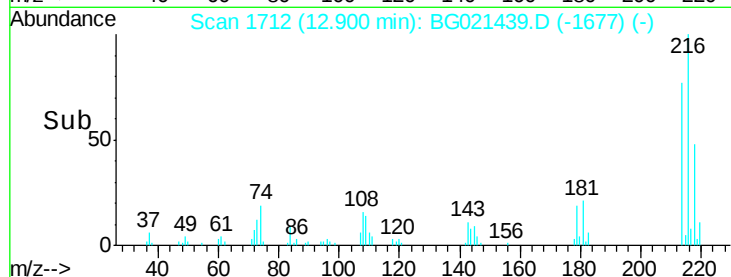
#37
 1,2,4,5-Tetrachlorobenzene
 Concen: 27.46 ng/ul
 RT: 12.90 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: BG021439.D
 Acq: 17 Mar 2016 19:23

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:216 Resp: 26532
 Ion Ratio Lower Upper
 216 100
 214 77.1 57.8 86.8
 179 23.2 19.5 29.3
 108 16.3 15.8 23.8

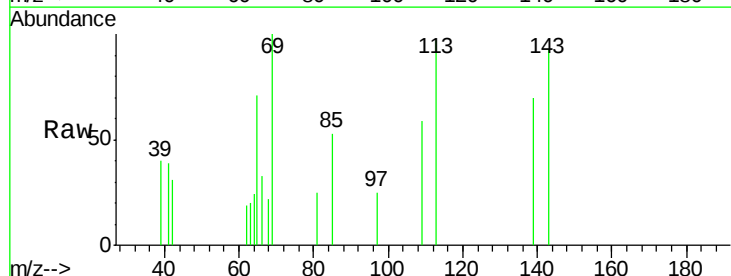


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

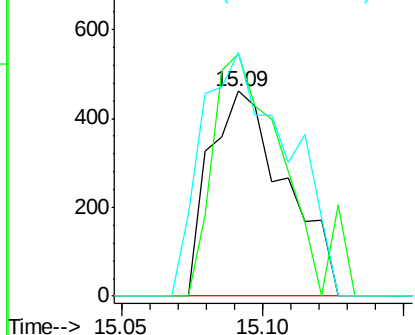
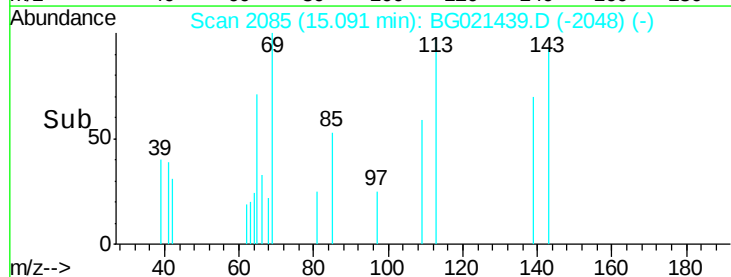


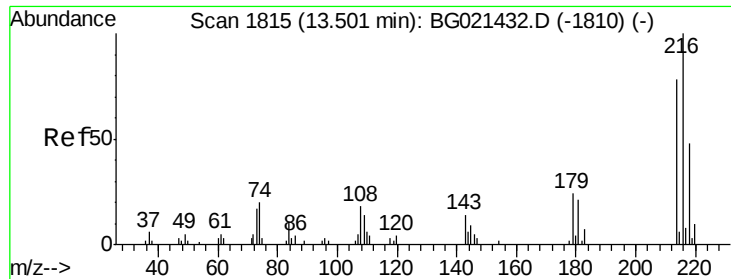
#53
 4-Nitrophenol
 Concen: 2.25 ng/ul
 RT: 15.09 min Scan# 2085
 Delta R.T. 0.01 min
 Lab File: BG021439.D
 Acq: 17 Mar 2016 19:23

Tgt Ion:109 Resp: 859
 Ion Ratio Lower Upper
 109 100
 139 118.2 75.9 113.9#
 65 118.9 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: 58.84 ng/uL

RT: 13.51 min Scan# 1815

Delta R.T. 0.00 min

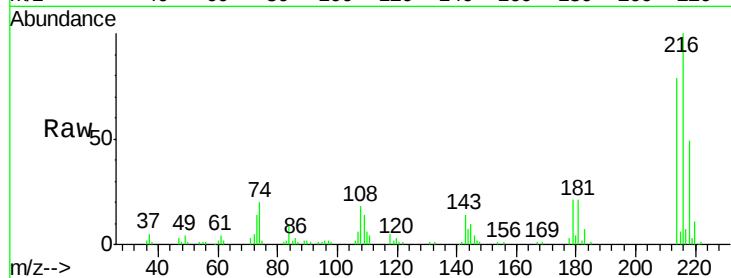
Lab File: BG021439.D

Acq: 17 Mar 2016 19:23

Instrument :

BNA_G

ClientSampleId :



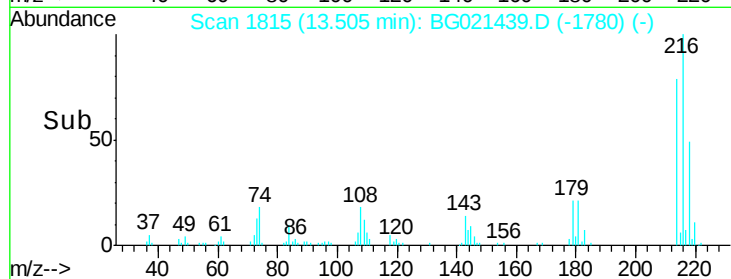
Tot Ion:216 Resp: 53568

Ion Ratio Lower Upper

216 100

214 79.3 69.2 103.8

218 49.1 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

