

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032717\
 Data File : BG026442.D
 Acq On : 27 Mar 2017 21:11
 Operator : SJ/MA
 Sample : I2358-14DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 28 01:24:10 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG032717MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 28 01:23:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	173444	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	705837	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.65	164	405735	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.38	188	947510	20.00	ng/ul	0.00
77) Chrysene-d12	21.62	240	1091694	20.00	ng/ul	0.00
85) Perylene-d12	24.80	264	1106207	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	19738	5.44	ng/uL	0.00
5) Phenol-d5	7.21	99	90861	7.12	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.37	67	246484	34.44	ng/ul	0.00
9) 2-Chlorophenol-d4	7.58	132	309936	27.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.75	113	178510	17.35	ng/ul	0.00
19) Nitrobenzene-d5	9.22	128	191013	37.86	ng/ul	0.02
22) 2-Nitrophenol-d4	9.93	143	223812	37.85	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	346296	31.92	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	3906	0.36	ng/ul	0.00
43) Dimethylphthalate-d6	14.05	166	1171240	37.28	ng/ul	0.00
46) Acenaphthylene-d8	14.35	160	1385914	35.41	ng/ul	0.00
51) 4-Nitrophenol-d4	14.84	143	50005	8.18	ng/ul	0.00
57) Fluorene-d10	15.63	176	1047508	36.70	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.75	200	229195	37.62	ng/ul	0.00
70) Anthracene-d10	17.48	188	1593206	37.03	ng/ul	0.00
78) Pyrene-d10	19.76	212	1838187	37.75	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.59	264	1807249	38.03	ng/ul	0.00

Target Compounds

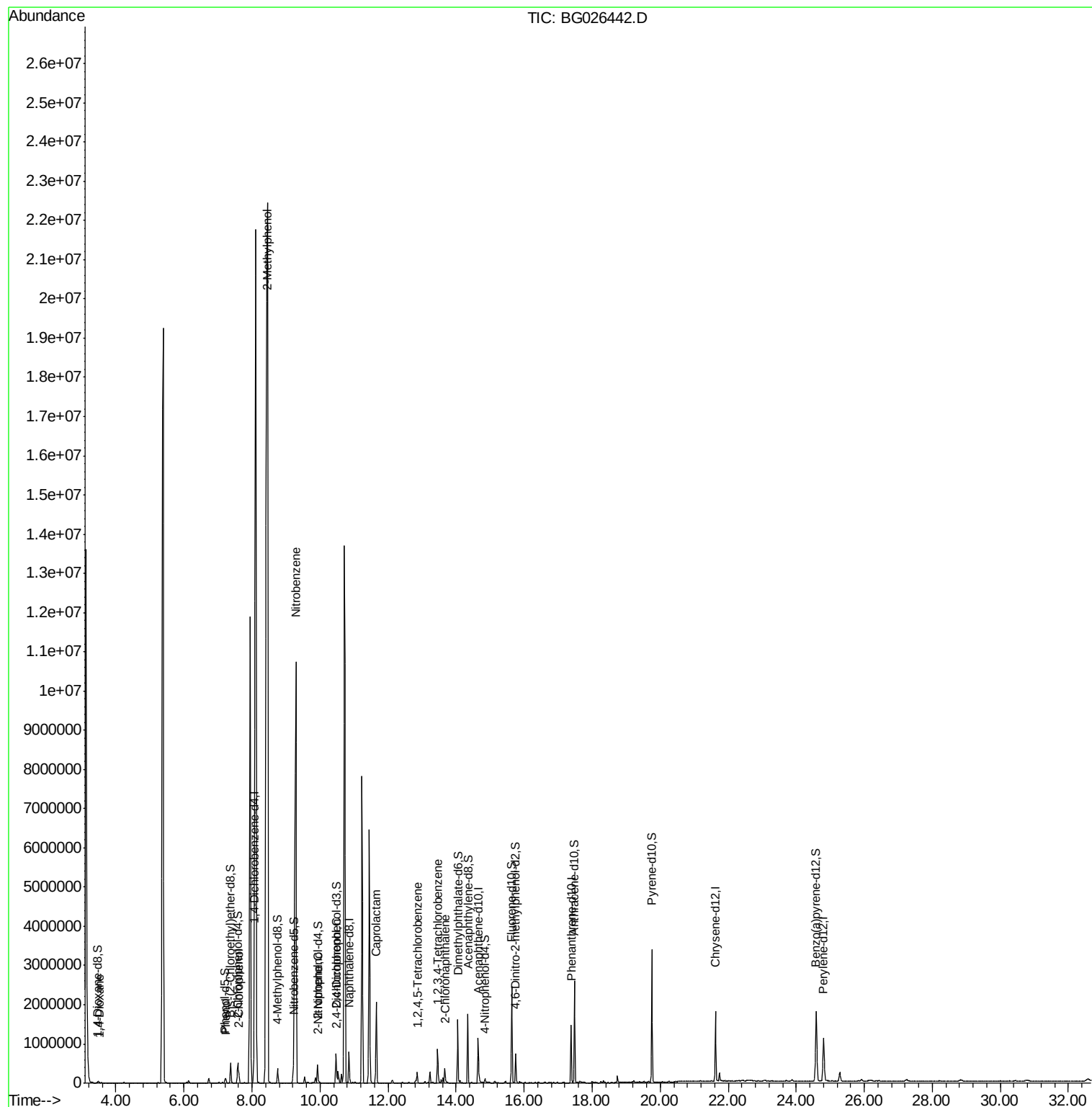
						Ovalue
2) 1,4-Dioxane	3.51	88	5681	1.47	ng/uL	96
6) Phenol	7.24	94	58294	4.37	ng/ul	93
10) 2-Chlorophenol	7.61	128	143626	12.96	ng/ul	99
11) 2-Methylphenol	8.45	108	208471	19.99	ng/ul	92
20) Nitrobenzene	9.29	77	8772236	875.32	ng/ul#	64
23) 2-Nitrophenol	9.96	139	20454	3.29	ng/ul#	89
27) 2,4-Dichlorophenol	10.50	162	43882	4.09	ng/ul	91
32) Caprolactam	11.65	113	171453	45.32	ng/ul#	1
36) 1,2,4,5-Tetrachlorobenzene	12.86	216	89831	7.03	ng/ul	94
41) 2-Chloronaphthalene	13.67	162	160842	6.55	ng/ul#	40
72) 1,2,3,4-Tetrachlorobenzene	13.46	216	293510	23.52	ng/uL	98

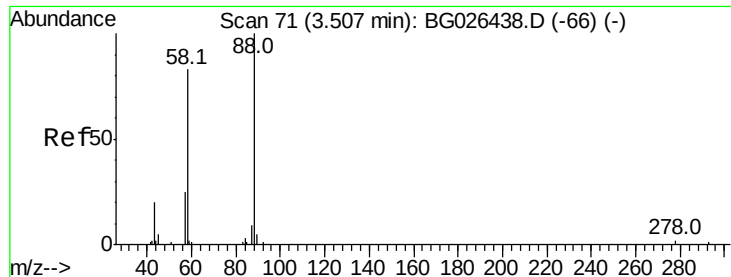
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 1.47 ng/uL

RT: 3.51 min Scan# 72

Delta R.T. 0.00 min

Lab File: BG026442.D

Acq: 27 Mar 2017 21:11

Instrument :

BNA_G

ClientSampleId :

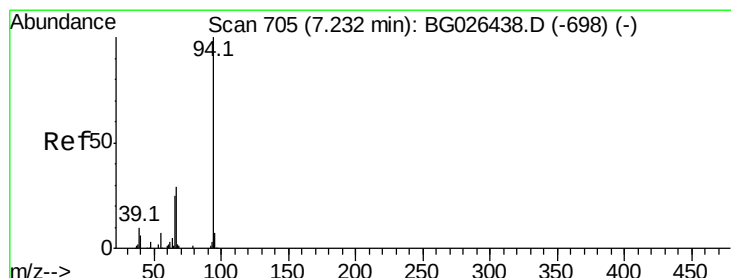
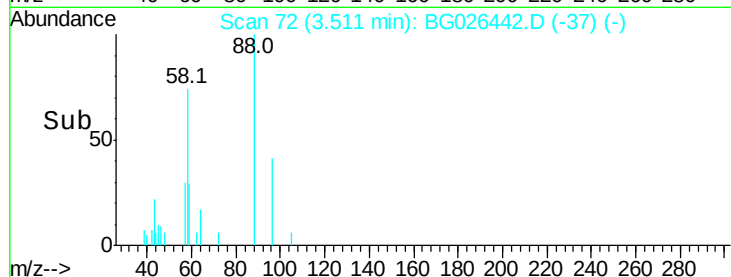
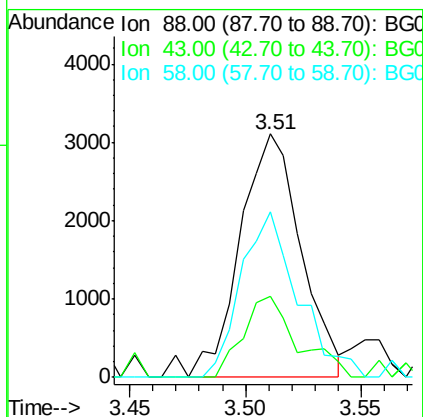
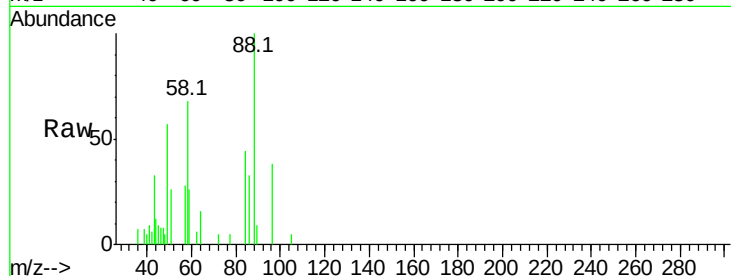
Tot Ion: 88 Resp: 5681

Ion Ratio Lower Upper

88 100

43 24.2 21.0 31.6

58 62.6 47.8 71.8



#6

Phenol

Concen: 4.37 ng/uL

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG026442.D

Acq: 27 Mar 2017 21:11

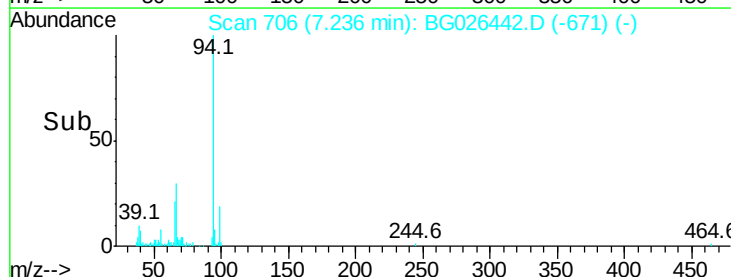
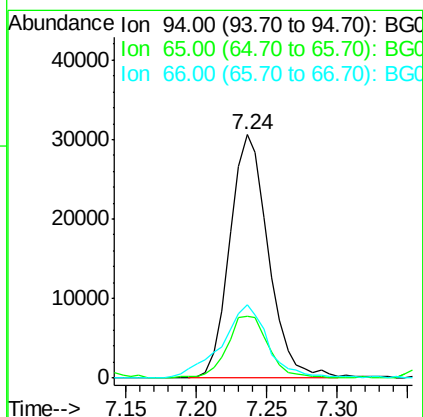
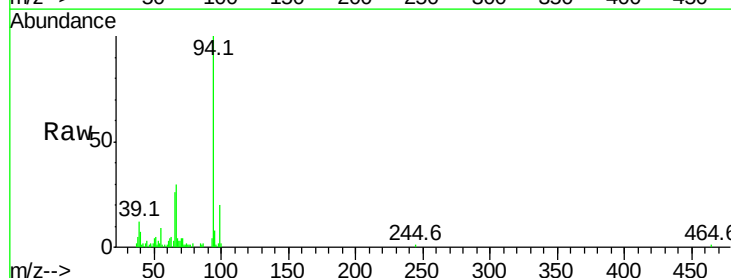
Tgt Ion: 94 Resp: 58294

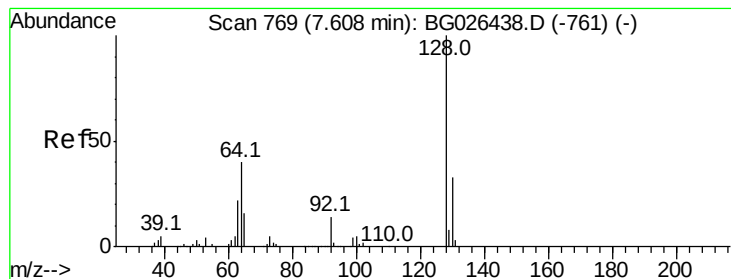
Ion Ratio Lower Upper

94 100

65 25.6 21.0 31.6

66 30.3 29.3 43.9





#10

2-Chlorophenol

Concen: 12.96 ng/ul

RT: 7.61 min Scan# 770

Delta R.T. 0.00 min

Lab File: BG026442.D

Acq: 27 Mar 2017 21:11

Instrument :

BNA_G

ClientSampleId :

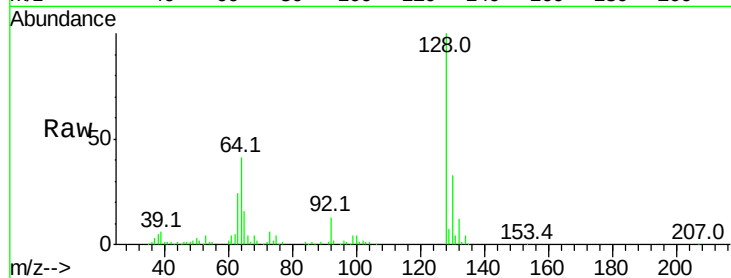
Tot Ion:128 Resp: 143626

Ion Ratio Lower Upper

128 100

64 40.6 31.9 47.9

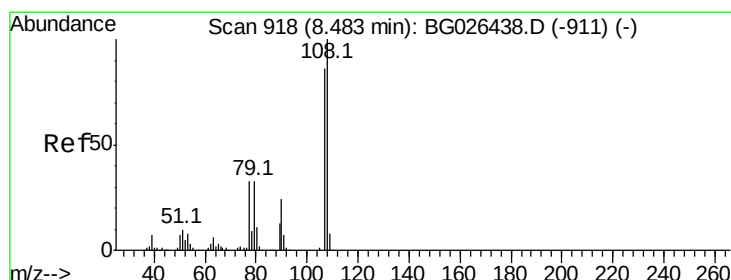
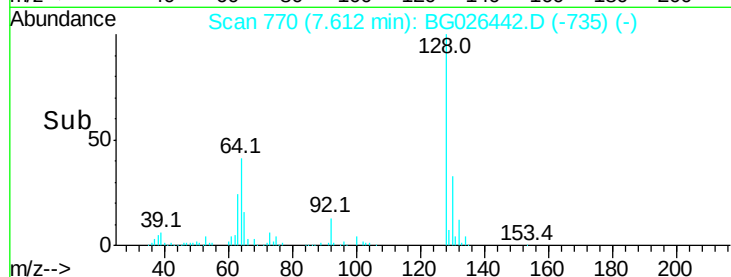
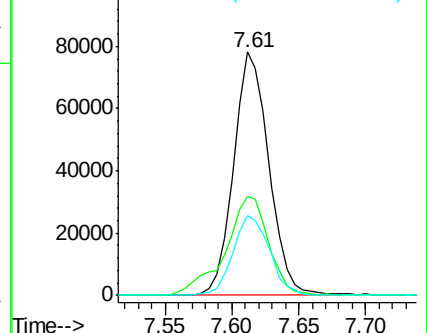
130 32.9 25.6 38.4



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: 19.99 ng/ul

RT: 8.45 min Scan# 912

Delta R.T. -0.04 min

Lab File: BG026442.D

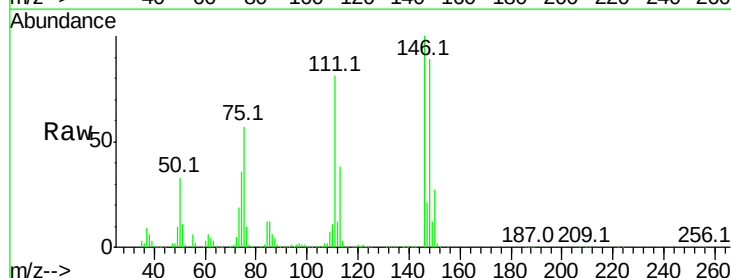
Acq: 27 Mar 2017 21:11

Tgt Ion:108 Resp: 208471

Ion Ratio Lower Upper

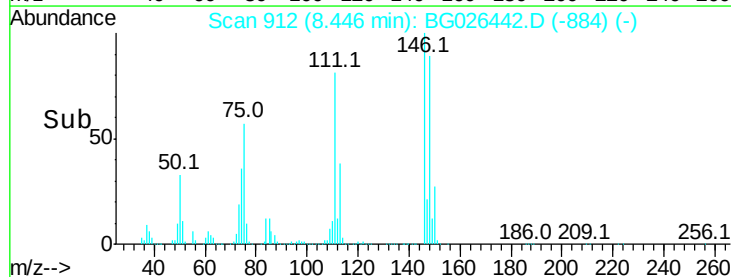
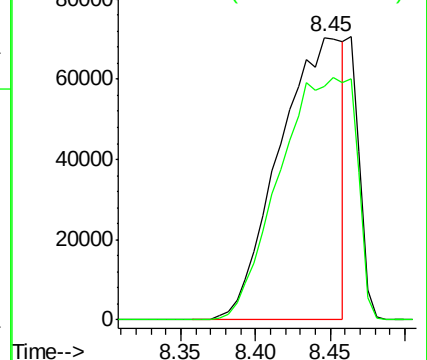
108 100

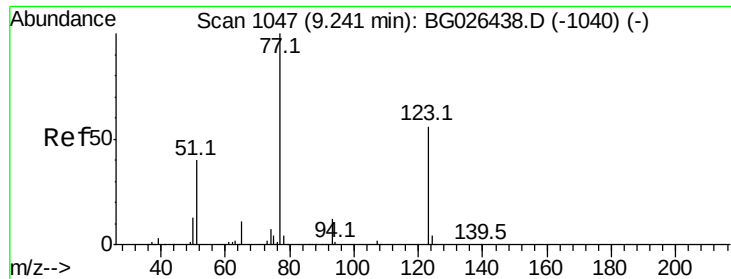
107 82.7 72.4 108.6



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

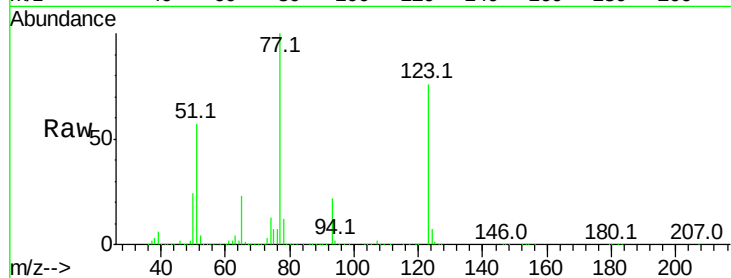




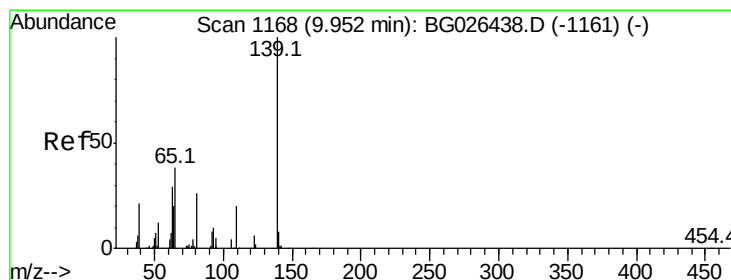
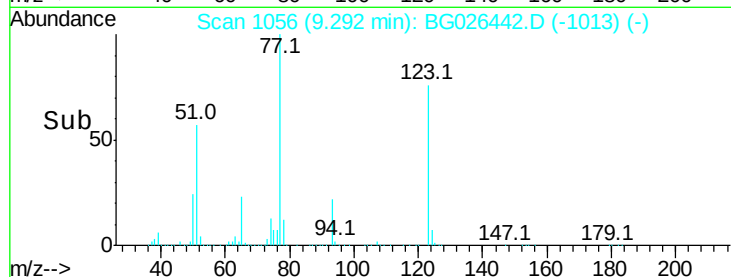
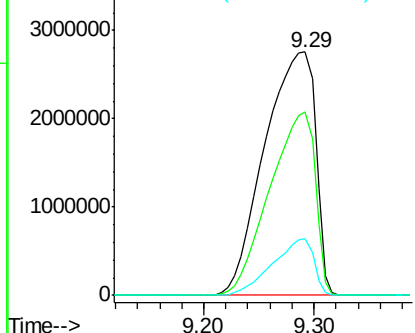
#20
Nitrobenzene
Concen: 875.32 ng/ul
RT: 9.29 min Scan# 1056
Delta R.T. 0.05 min
Lab File: BG026442.D
Acq: 27 Mar 2017 21:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 77 Resp: 8772236
Ion Ratio Lower Upper
77 100
123 75.5 39.0 58.4#
65 23.1 10.4 15.6#

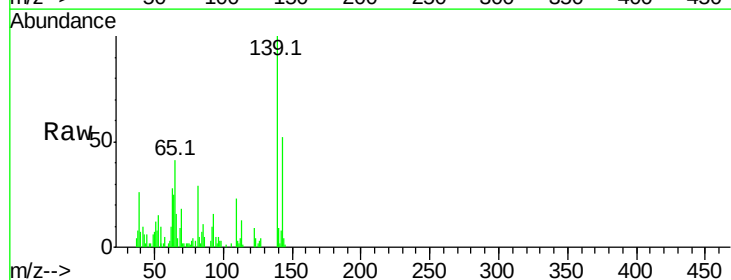


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

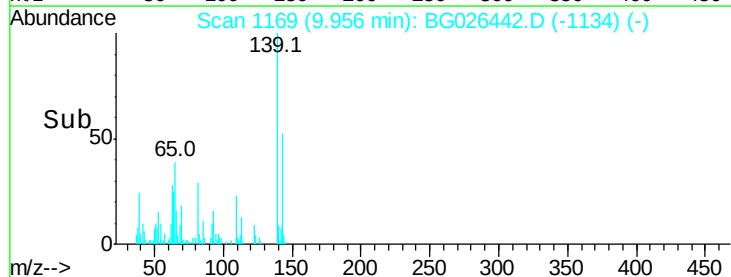
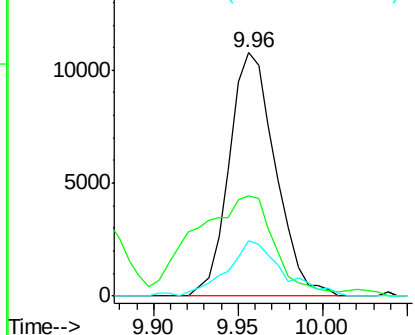


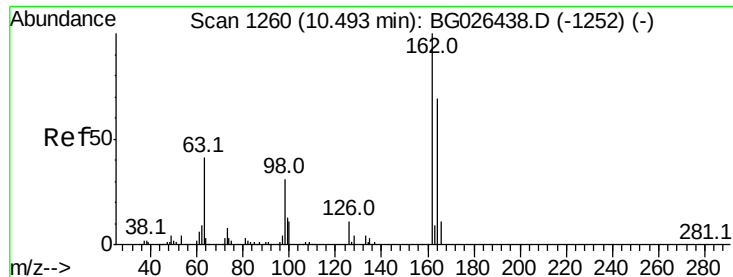
#23
2-Nitrophenol
Concen: 3.29 ng/ul
RT: 9.96 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BG026442.D
Acq: 27 Mar 2017 21:11

Tgt Ion: 139 Resp: 20454
Ion Ratio Lower Upper
139 100
65 41.2 36.3 54.5
109 22.6 26.4 39.6#



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

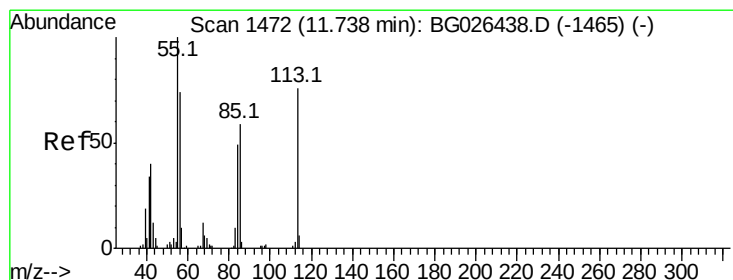
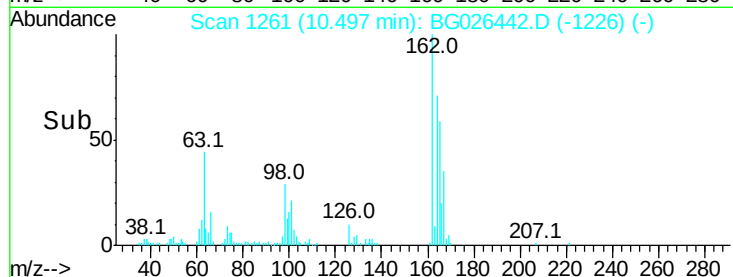
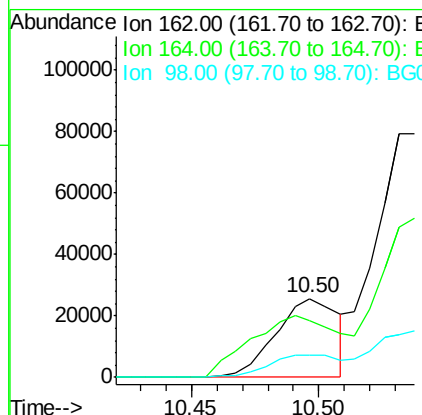
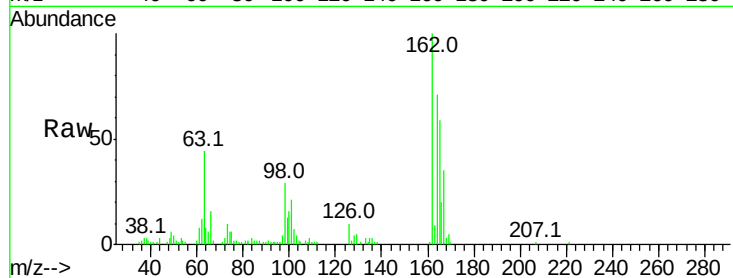




#27
2,4-Dichlorophenol
Concen: 4.09 ng/ul
RT: 10.50 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BG026442.D
Acq: 27 Mar 2017 21:11

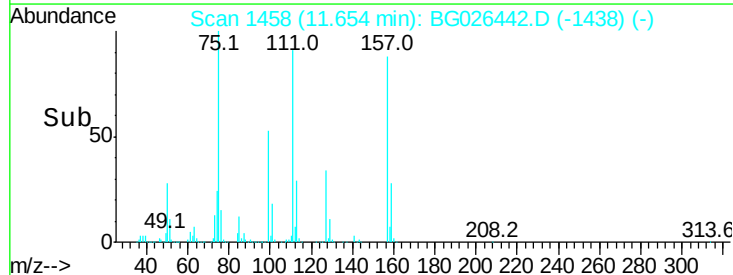
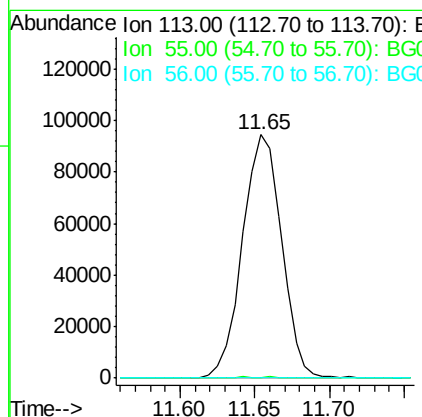
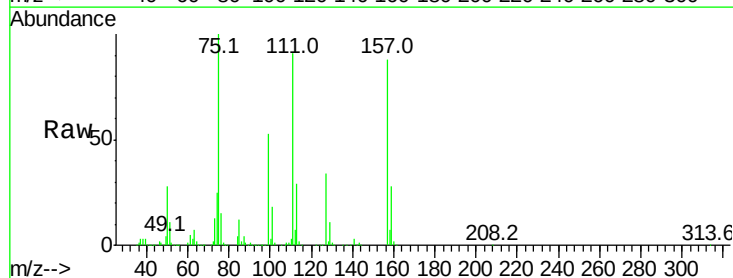
Instrument :
BNA_G
ClientSampleId :

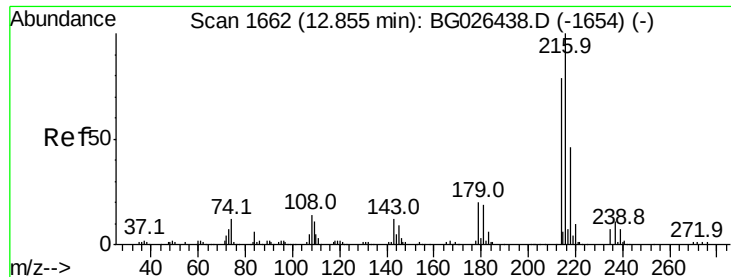
Tot Ion	162	Resp	43882
Ion Ratio	Lower	Upper	
162	100		
164	71.1	52.1	78.1
98	28.7	28.4	42.6



#32
Caprolactam
Concen: 45.32 ng/ul
RT: 11.65 min Scan# 1458
Delta R.T. -0.08 min
Lab File: BG026442.D
Acq: 27 Mar 2017 21:11

Tgt Ion	113	Resp	171453
Ion Ratio	Lower	Upper	
113	100		
55	0.6	101.9	152.9#
56	0.2	81.2	121.8#





#36

1,2,4,5-Tetrachlorobenzene

Concen: 7.03 ng/ul

RT: 12.86 min Scan# 1663

Delta R.T. 0.00 min

Lab File: BG026442.D

Acq: 27 Mar 2017 21:11

Instrument :

BNA_G

ClientSampleId :

Tot Ion:216 Resp: 89831

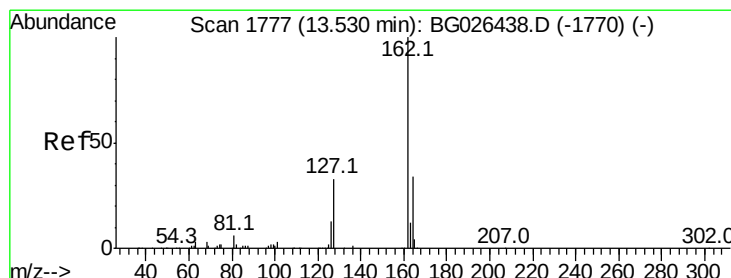
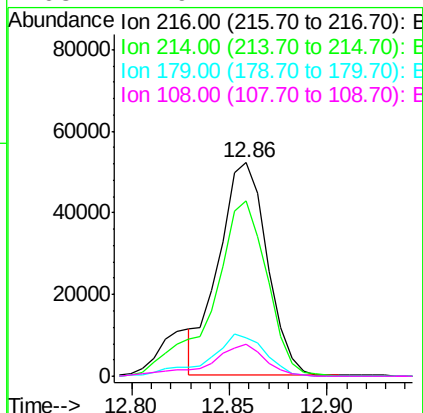
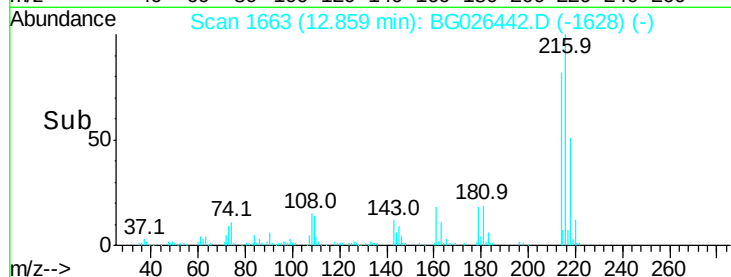
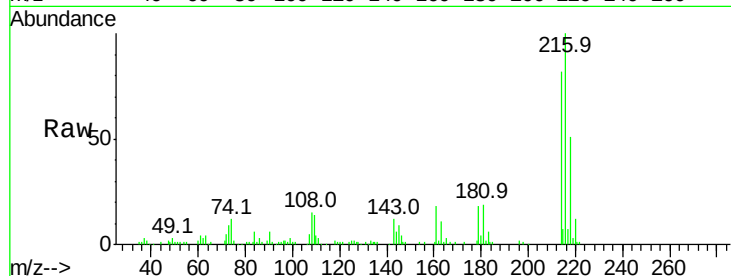
Ion	Ratio	Lower	Upper
216	100		
214	82.0	62.5	93.7
179	18.2	18.2	27.2
108	14.9	14.2	21.2

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



#41

2-Chloronaphthalene

Concen: 6.55 ng/ul

RT: 13.67 min Scan# 1801

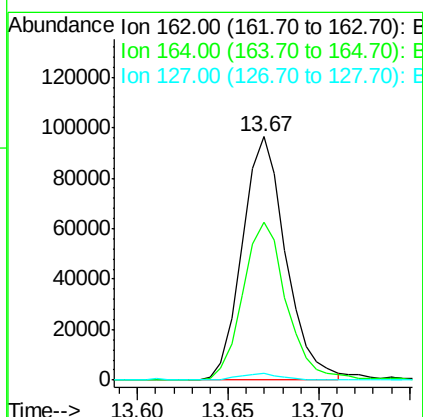
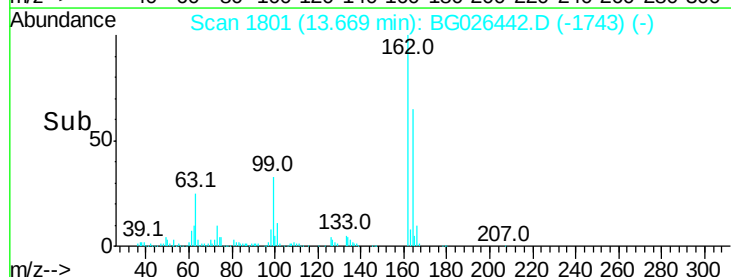
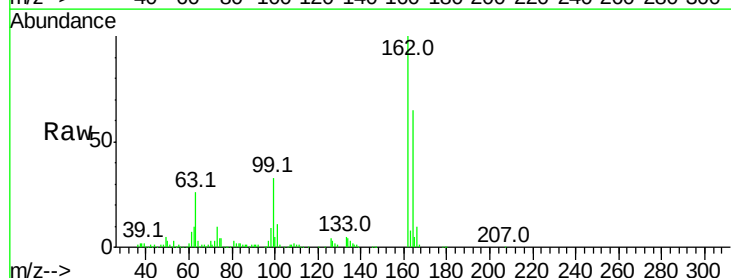
Delta R.T. 0.14 min

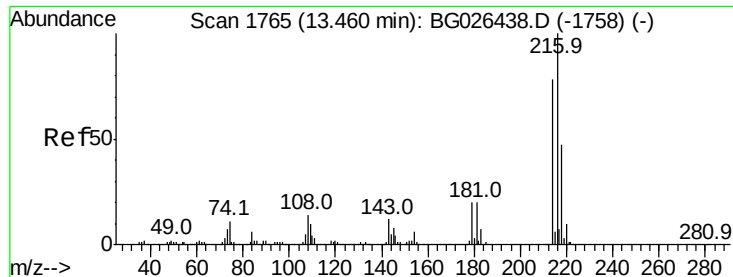
Lab File: BG026442.D

Acq: 27 Mar 2017 21:11

Tgt Ion:162 Resp: 160842

Ion	Ratio	Lower	Upper
162	100		
164	64.6	25.9	38.9#
127	2.9	34.1	51.1#





#72

1,2,3,4-Tetrachlorobenzene

Concen: 23.52 ng/uL

RT: 13.46 min Scan# 1765

Delta R.T. -0.00 min

Lab File: BG026442.D

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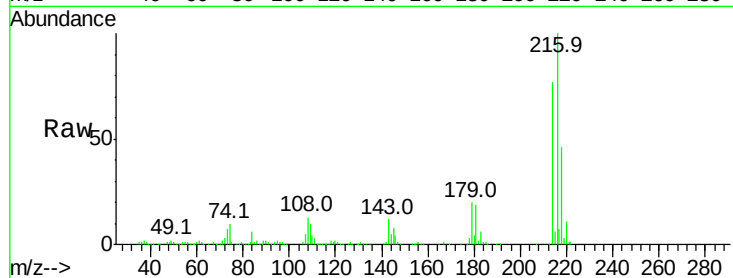
Tot Ion:216 Resp: 293510

Ion Ratio Lower Upper

216 100

214 77.2 62.5 93.7

218 46.1 38.4 57.6



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

