

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012517\
 Data File : BG025657.D
 Acq On : 26 Jan 2017 6:49
 Operator : SJ/MA
 Sample : I1387-10
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA9R9

Manual Integrations
 APPROVED

mohammad
 1/26/2017 5:12:00 PM

Quant Time: Jan 26 10:45:54 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG011817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 25 18:08:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	81866	20.00	ng/ul	0.00
18) Naphthalene-d8	11.01	136	378181	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.81	164	315298	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.56	188	651785	20.00	ng/ul	0.00
75) Chrysene-d12	21.85	240	722006	20.00	ng/ul	0.00
83) Perylene-d12	25.24	264	740247	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.51	96	2152	1.32	ng/uL	0.00
5) Phenol-d5	7.35	99	49448	7.05	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.49	67	160468	35.41	ng/ul	0.00
9) 2-Chlorophenol-d4	7.71	132	138138	27.91	ng/ul	0.00
13) 4-Methylphenol-d8	8.90	113	105000	17.60	ng/ul	0.00
19) Nitrobenzene-d5	9.37	128	97214	36.27	ng/ul	0.00
22) 2-Nitrophenol-d4	10.08	143	122864	38.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.64	165	206621	32.74	ng/ul	0.00
29) 4-Chloroaniline-d4	11.19	131	3592	0.51	ng/ul	0.04
43) Dimethylphthalate-d6	14.20	166	781756	35.11	ng/ul	0.00
46) Acenaphthylene-d8	14.51	160	904823	37.62	ng/ul	0.00
51) 4-Nitrophenol-d4	15.07	143	21272	6.97	ng/ul	0.02
57) Fluorene-d10	15.80	176	702863	33.49	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
70) Anthracene-d10	17.66	188	1048404	37.78	ng/ul	0.00
76) Pyrene-d10	19.94	212	1203136	40.05	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.01	264	1175504	37.78	ng/ul	0.01

Target Compounds

						Ovalue
28) Naphthalene	11.05	128	724154	41.47	ng/ul	97
34) 2-Methylnaphthalene	12.65	142	141797	9.95	ng/ul	98
40) 1,1'-Biphenyl	13.64	154	82834	4.24	ng/ul	100
49) Acenaphthene	14.87	153	27660	1.66	ng/ul#	82
53) Dibenzofuran	15.21	168	235532	9.19	ng/ul	96
55) 2,3,4,6-Tetrachlorophenol	15.44	232	8729m	1.37	ng/ul	
58) Fluorene	15.85	166	39866	1.90	ng/ul	95
68) Pentachlorophenol	17.21	266	574402	160.64	ng/ul	92
69) Phenanthrene	17.60	178	177402	5.60	ng/ul	95
72) Carbazole	17.97	167	31821	1.20	ng/ul	96

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

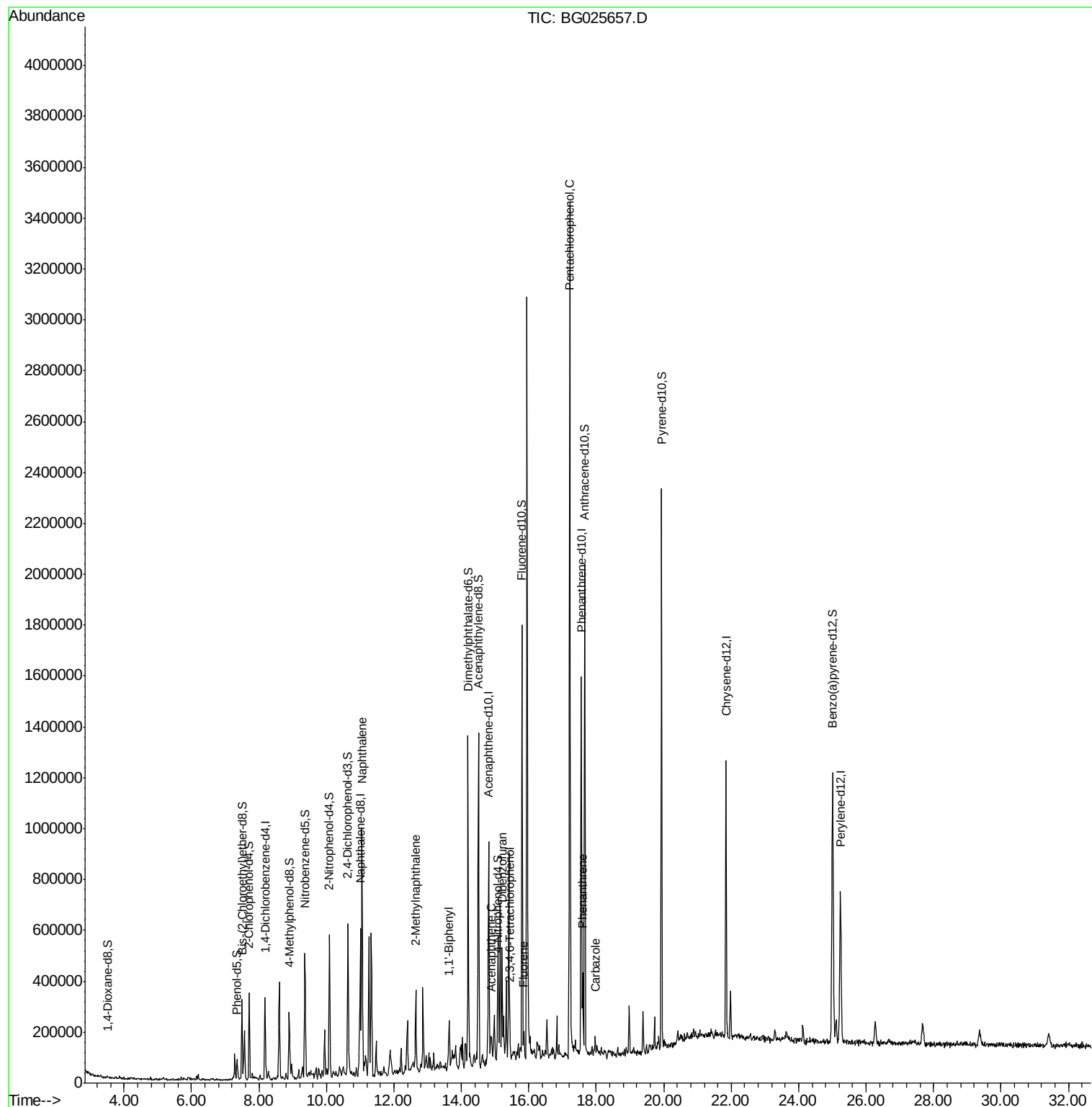
Data Path : Z:\HPCHEM1\BNA G\DATA\BG012517\
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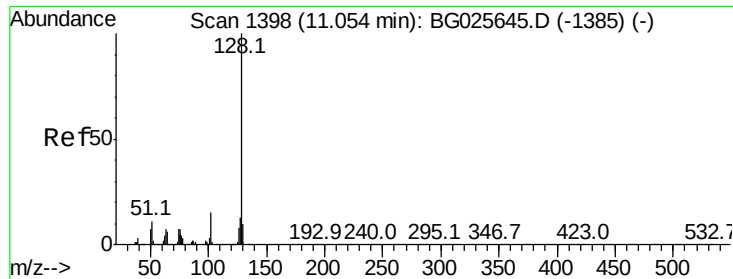
Instrument :
BNA_G
ClientSampleId :
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Manual Integrations
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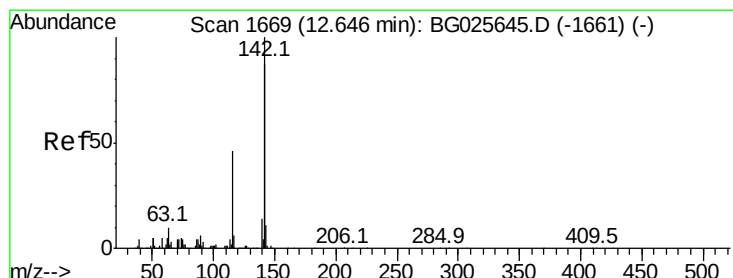
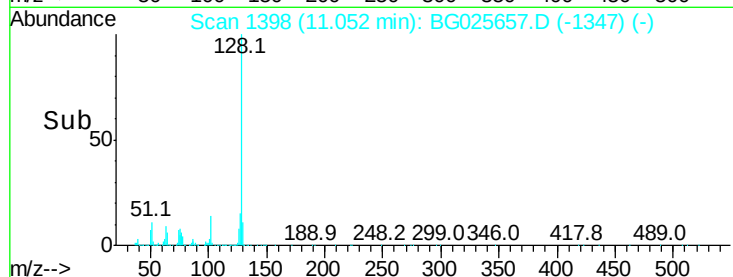
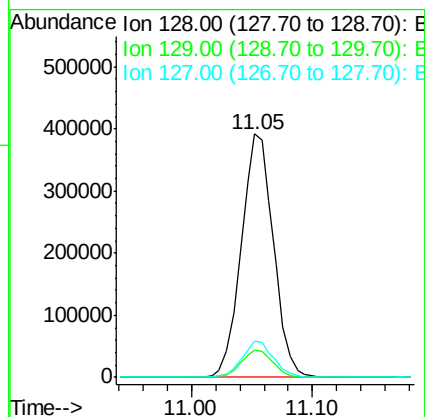
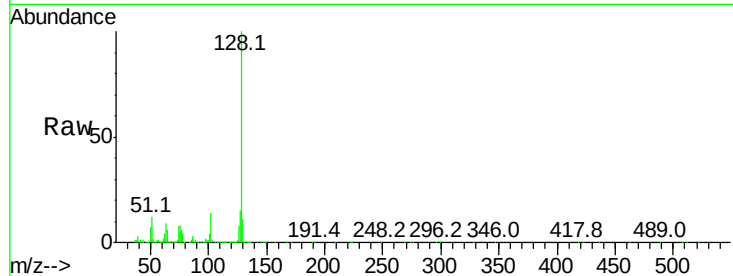
#28
Naphthalene
Concen: 41.47 ng/ul
RT: 11.05 min Scan# 1398
Delta R.T. 0.00 min
Lab File: BG025657.D
Acq: 26 Jan 2017 6:49

Instrument :
BNA_G
ClientSampleId :
DA9R9

Tot Ion	Ratio	Resp Lower	Upper
128	100		
129	11.4	9.4	14.2
127	14.6	10.3	15.5

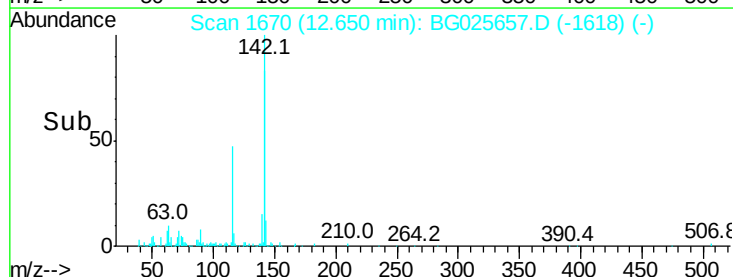
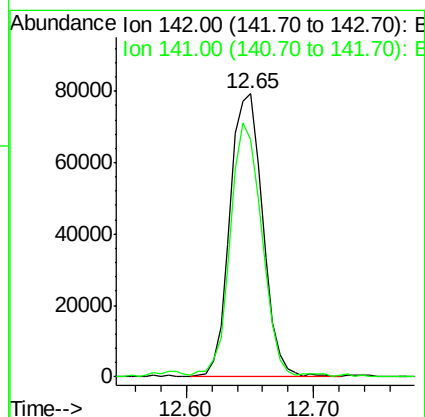
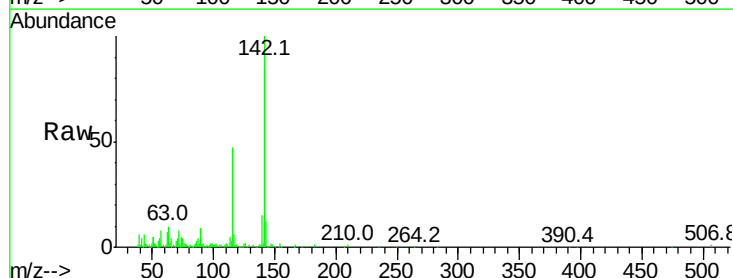
Manual Integrations
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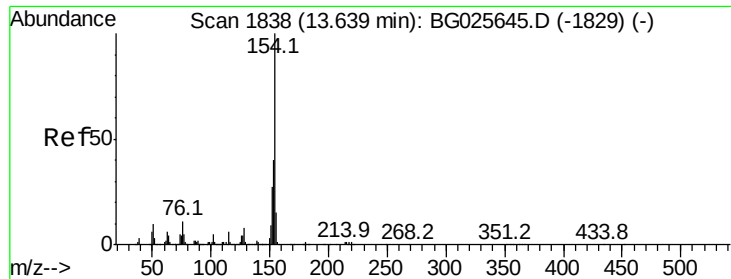
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#34
2-Methylnaphthalene
Concen: 9.95 ng/ul
RT: 12.65 min Scan# 1670
Delta R.T. 0.01 min
Lab File: BG025657.D
Acq: 26 Jan 2017 6:49

Tgt Ion	Ratio	Resp Lower	Upper
142	100		
141	83.7	68.6	102.8





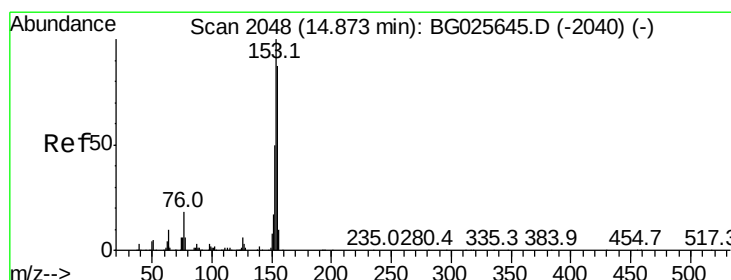
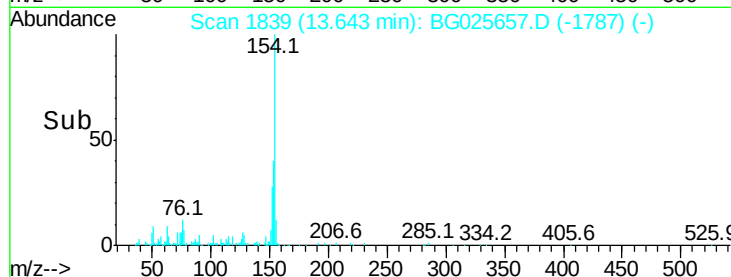
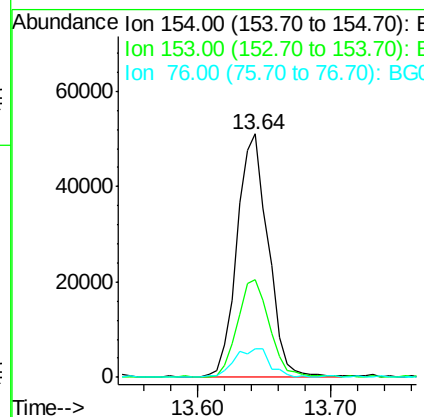
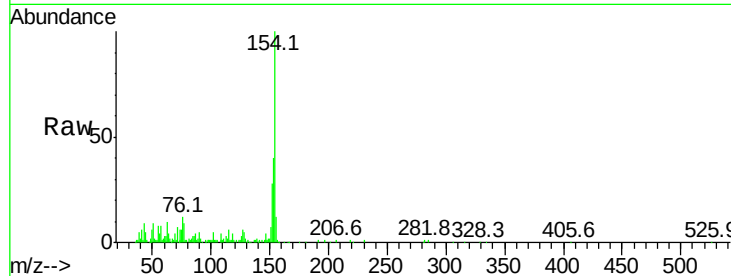
#40
1,1'-Biphenyl
Concen: 4.24 ng/ul
RT: 13.64 min Scan# 1839
Delta R.T. 0.01 min
Lab File: BG025657.D
Acq: 26 Jan 2017 6:49

Instrument :
BNA_G
ClientSampleId :
DA9R9

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.3	32.2	48.2
76	11.6	9.6	14.4

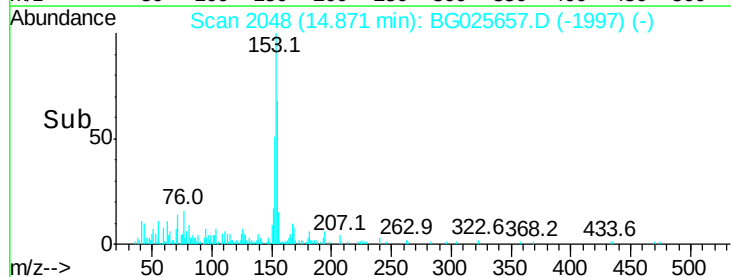
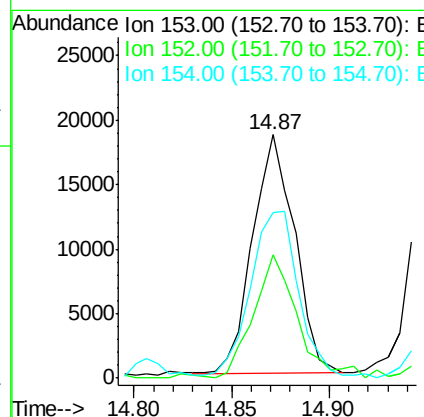
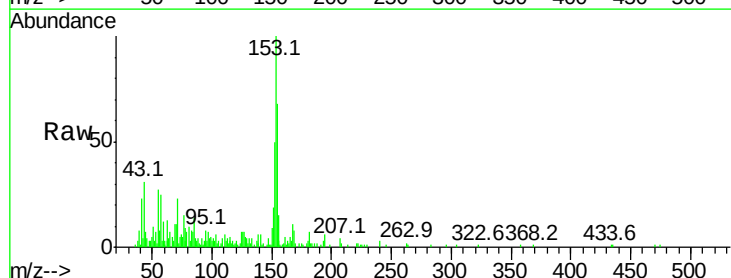
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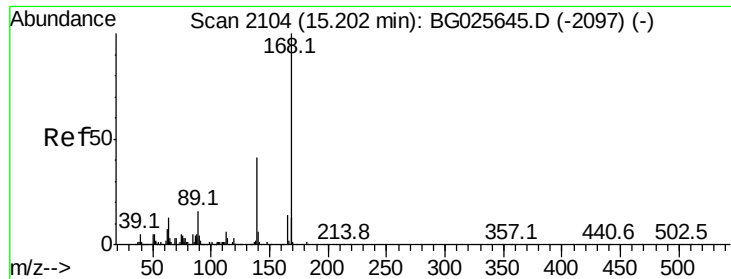
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#49
Acenaphthene
Concen: 1.66 ng/ul
RT: 14.87 min Scan# 2048
Delta R.T. 0.00 min
Lab File: BG025657.D
Acq: 26 Jan 2017 6:49

Tgt Ion	Ratio	Lower	Upper
153	100		
152	50.5	36.5	54.7
154	68.0	72.3	108.5#





#53

Dibenzofuran

Concen: 9.19 ng/ul

RT: 15.21 min Scan# 2105

Delta R.T. 0.00 min

Lab File: BG025657.D

Acq: 26 Jan 2017 6:49

Instrument :

BNA_G

ClientSampleId :

DA9R9

Tot Ion:168 Resp: 235532

Ion Ratio Lower Upper

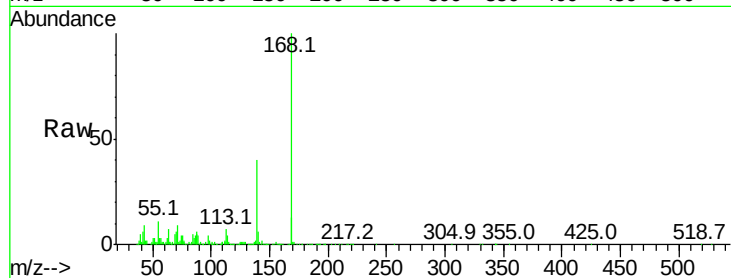
168 100

139 39.6 33.8 50.8

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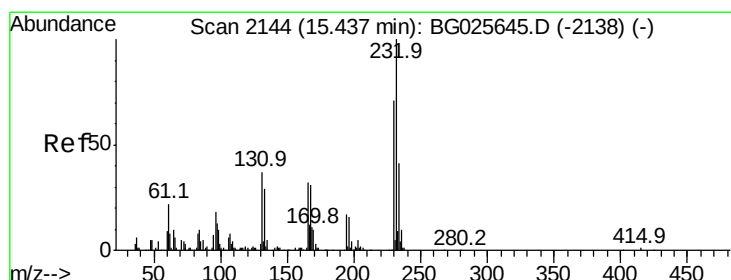
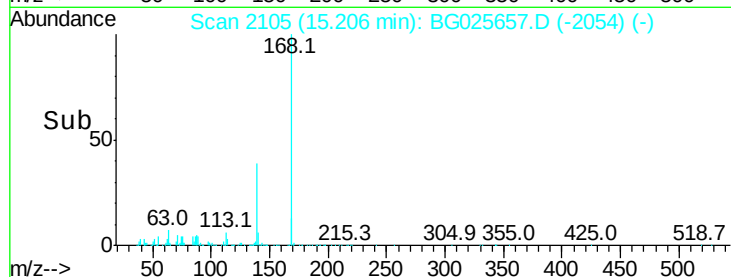
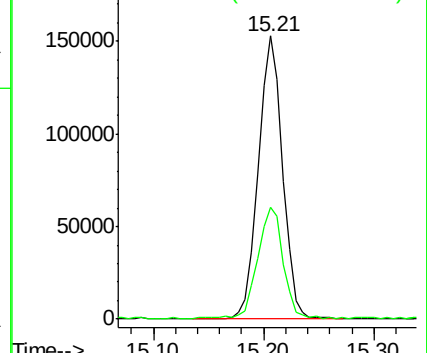
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#55

2,3,4,6-Tetrachlorophenol

Concen: 1.37 ng/ul m

RT: 15.44 min Scan# 2145

Delta R.T. 0.01 min

Lab File: BG025657.D

Acq: 26 Jan 2017 6:49

Tgt Ion:232 Resp: 8729

Ion Ratio Lower Upper

232 100

131 49.3 33.3 49.9

130 7.1 1.8 2.6#

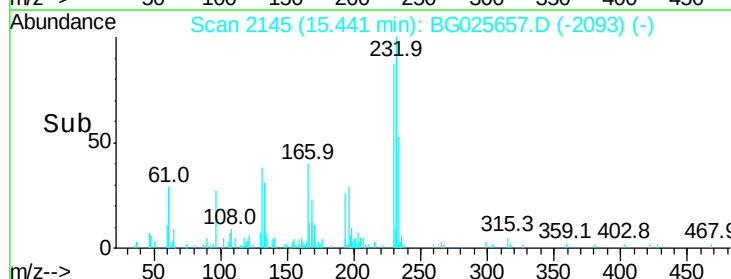
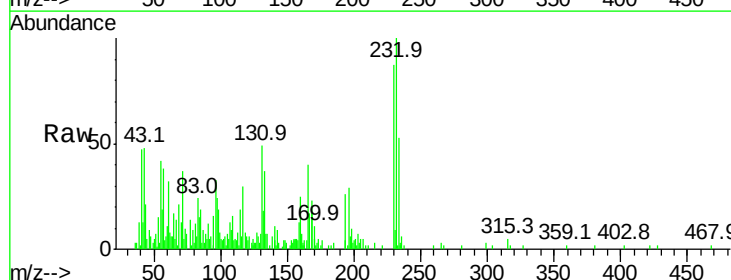
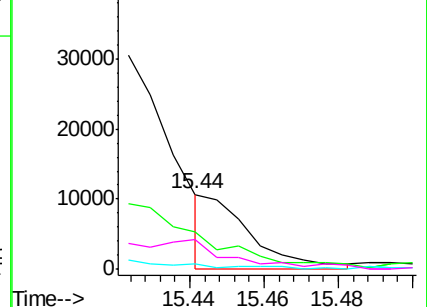
166 40.2 21.9 32.9#

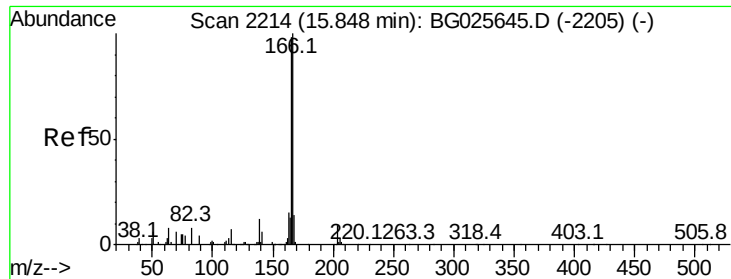
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





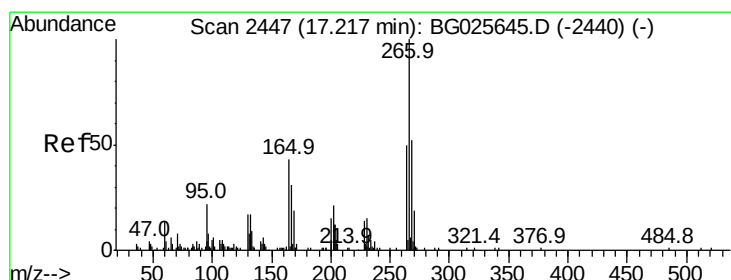
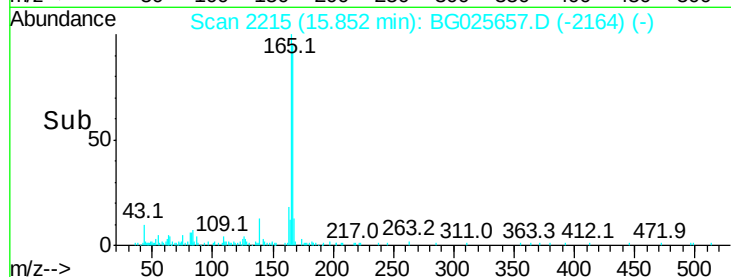
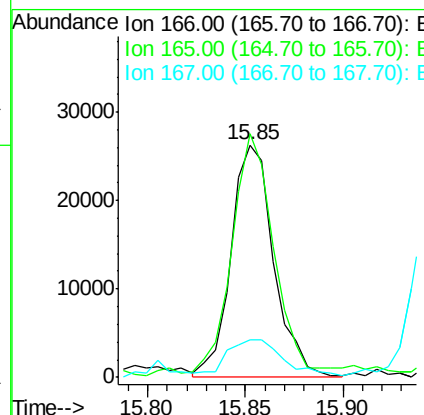
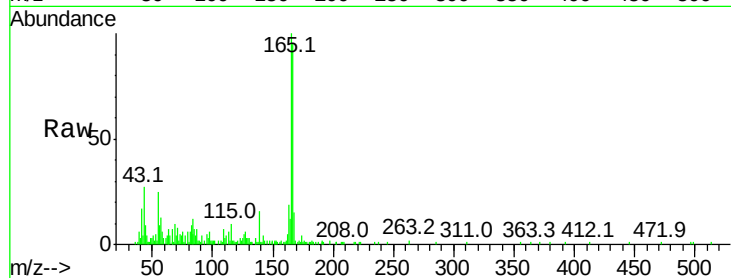
#58
 Fluorene
 Concen: 1.90 ng/ul
 RT: 15.85 min Scan# 2215
 Delta R.T. 0.00 min
 Lab File: BG025657.D
 Acq: 26 Jan 2017 6:49

Instrument :
 BNA_G
 ClientSampleId :
 DA9R9

Tot Ion	Ratio	Lower	Upper
166	100		
165	104.9	79.7	119.5
167	16.1	11.4	17.2

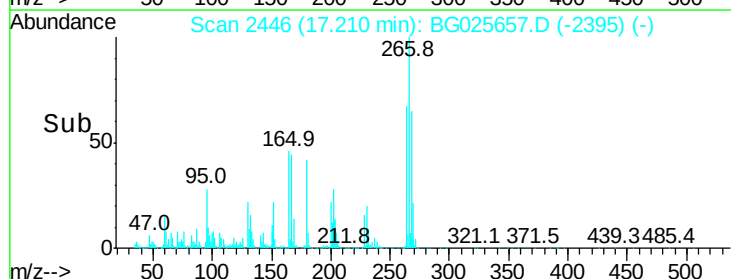
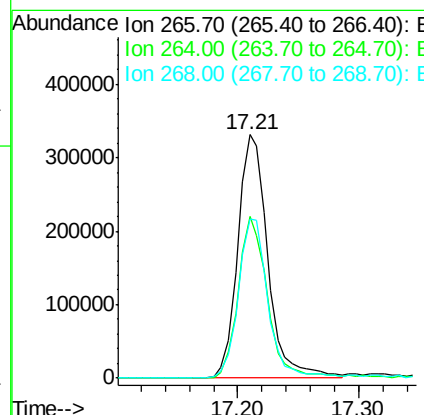
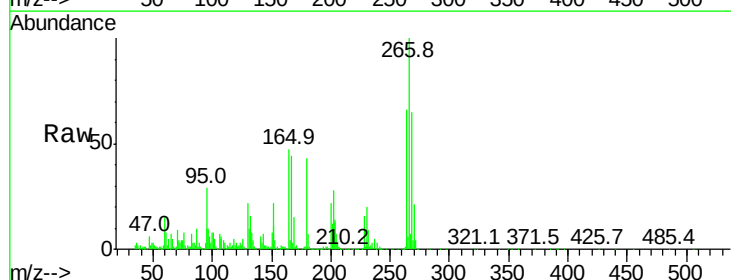
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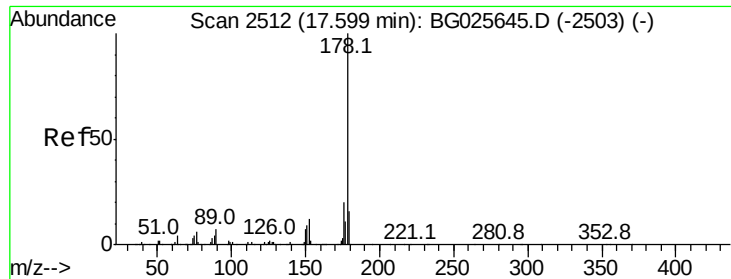
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#68
 Pentachlorophenol
 Concen: 160.64 ng/ul
 RT: 17.21 min Scan# 2446
 Delta R.T. 0.00 min
 Lab File: BG025657.D
 Acq: 26 Jan 2017 6:49

Tgt Ion	Ratio	Lower	Upper
266	100		
264	66.4	47.1	70.7
268	65.4	56.2	84.4





#69

Phenanthrene

Concen: 5.60 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. 0.00 min

Lab File: BG025657.D

Acq: 26 Jan 2017 6:49

Instrument :

BNA_G

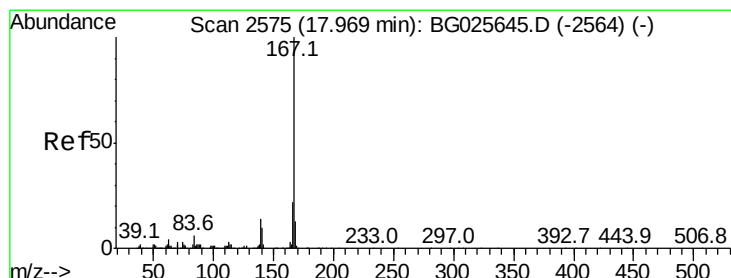
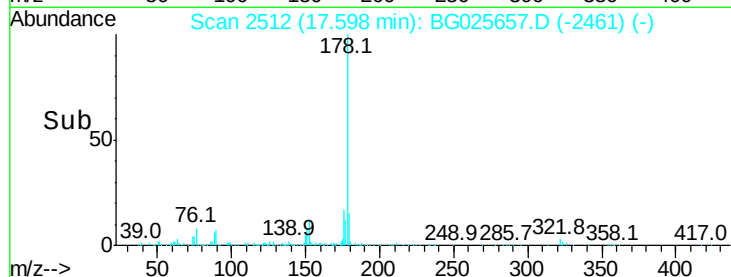
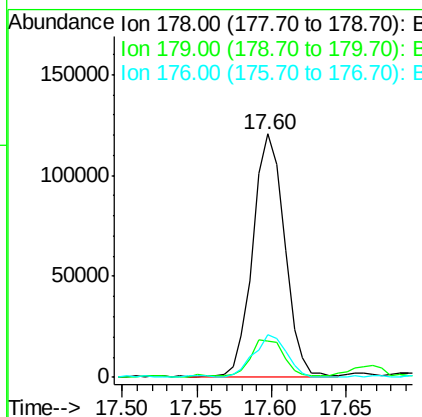
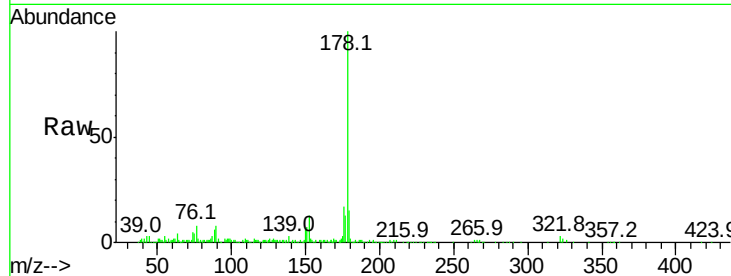
ClientSampleId :

DA9R9

Tot Ion:	178	Resp:	177402
Ion Ratio	Lower	Upper	
178	100		
179	14.8	12.4	18.6
176	17.4	16.5	24.7

Manual Integrations
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#72

Carbazole

Concen: 1.20 ng/ul

RT: 17.97 min Scan# 2575

Delta R.T. 0.01 min

Lab File: BG025657.D

Acq: 26 Jan 2017 6:49

Tgt Ion:	167	Resp:	31821
Ion Ratio	Lower	Upper	
167	100		
166	24.0	17.9	26.9
139	14.7	10.5	15.7

