

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
 Data File : BG025665.D
 Acq On : 26 Jan 2017 13:55
 Operator : SJ/MA
 Sample : I1387-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA9R8

Manual Integrations
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Quant Time: Jan 27 10:15:14 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 27 03:32:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	79009	20.00	ng/ul	0.00
18) Naphthalene-d8	11.01	136	380372	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.81	164	286131	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.58	188	562950	20.00	ng/ul	0.03
75) Chrysene-d12	21.86	240	659658	20.00	ng/ul	0.00
83) Perylene-d12	25.25	264	617471	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.51	96	1832m	1.16	ng/uL	0.00
5) Phenol-d5	7.38	99	46416	6.85	ng/ul	0.04
7) Bis-(2-Chloroethyl)ether-d	7.50	67	163416	37.37	ng/ul	0.00
9) 2-Chlorophenol-d4	7.72	132	134539	28.17	ng/ul	0.01
13) 4-Methylphenol-d8	8.92	113	94367	16.39	ng/ul	0.02
19) Nitrobenzene-d5	9.36	128	87999m	32.64	ng/ul	0.00
22) 2-Nitrophenol-d4	10.09	143	165094	51.32	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.66	165	187484	29.54	ng/ul	0.02
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
43) Dimethylphthalate-d6	14.21	166	472991	23.41	ng/ul	0.00
46) Acenaphthylene-d8	14.51	160	750972	34.41	ng/ul	0.00
51) 4-Nitrophenol-d4	15.09	143	31200	11.27	ng/ul	0.05
57) Fluorene-d10	15.80	176	602123	31.61	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
70) Anthracene-d10	17.68	188	845130	35.26	ng/ul	0.03
76) Pyrene-d10	19.94	212	982427	35.79	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.02	264	930926	35.87	ng/ul	0.01

Target Compounds

						Qvalue
14) Acetophenone	9.02	105	35288	3.93	ng/ul	97
21) Isophorone	9.92	82	502072	30.97	ng/ul	98
28) Naphthalene	11.07	128	5967416	339.81	ng/ul#	65
34) 2-Methylnaphthalene	12.65	142	1556289	108.55	ng/ul	93
38) 2,4,6-Trichlorophenol	13.27	196	6835	1.31	ng/ul	88
39) 2,4,5-Trichlorophenol	13.35	196	672605	122.96	ng/ul	98
40) 1,1'-Biphenyl	13.64	154	277003	15.62	ng/ul	98
47) Acenaphthylene	14.54	152	429652	20.22	ng/ul	98
49) Acenaphthene	14.88	153	388222	25.64	ng/ul	95
53) Dibenzofuran	15.21	168	786898	33.82	ng/ul	98
55) 2,3,4,6-Tetrachlorophenol	15.45	232	824429m	142.44	ng/ul	
58) Fluorene	15.86	166	416095	21.90	ng/ul#	94
68) Pentachlorophenol	17.30	266	15999476	5180.56	ng/ul#	64
69) Phenanthrene	17.63	178	1066531	38.97	ng/ul	97
71) Anthracene	17.71	178	129585m	4.71	ng/ul	
72) Carbazole	17.99	167	411111	18.02	ng/ul#	92
74) Fluoranthene	19.61	202	98402	3.05	ng/ul#	90
77) Pyrene	19.97	202	59746	1.84	ng/ul#	88

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

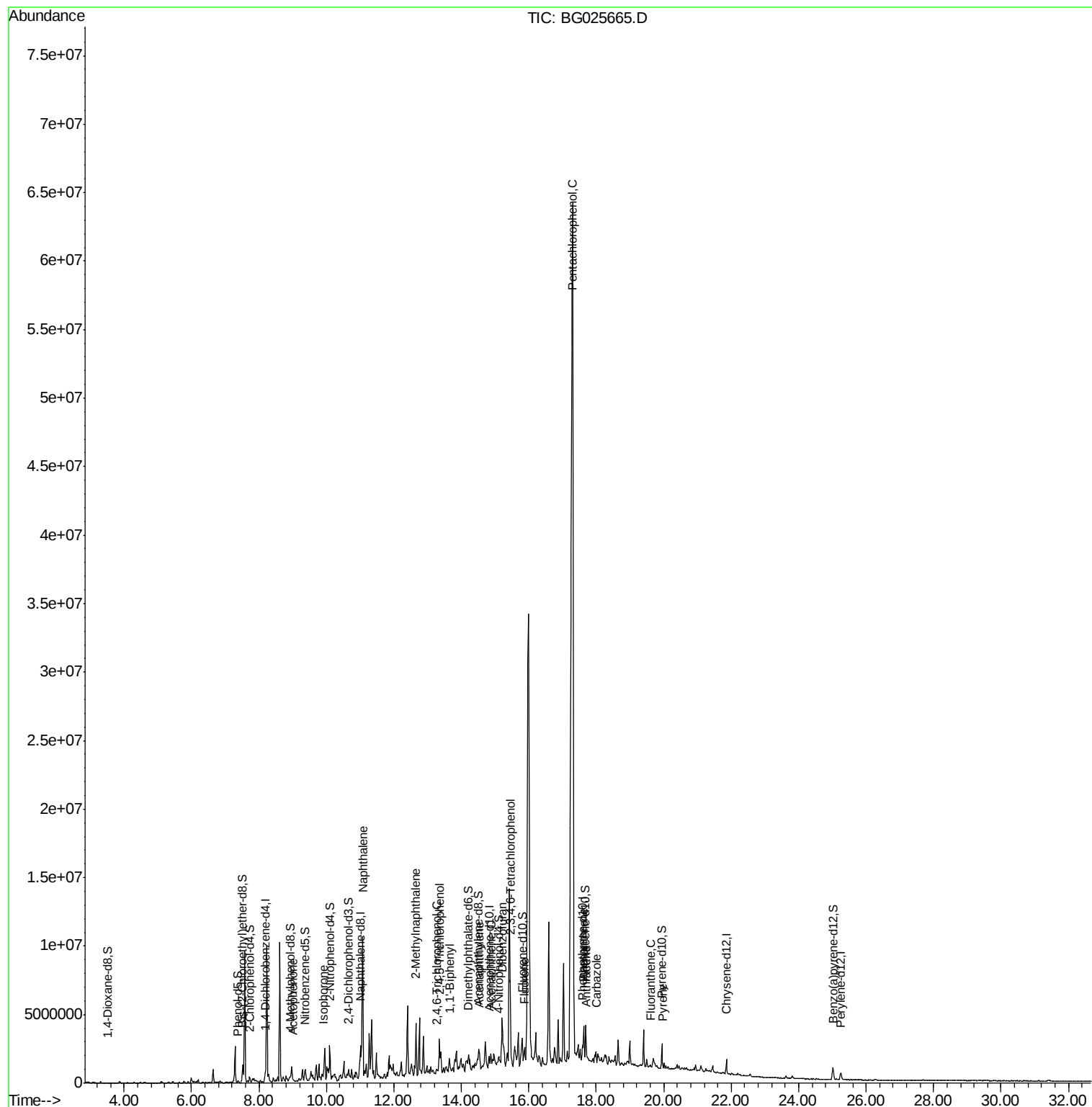
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012617\
Data File : BG025665.D
Acq On : 26 Jan 2017 13:55
Operator : SJ/MA
Sample : I1387-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

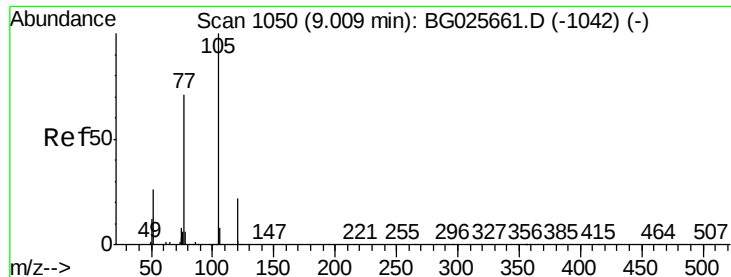
Instrument :
BNA_G
ClientSampleId :
DA9R8

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Quant Time: Jan 27 10:15:14 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 27 03:32:12 2017
Response via : Initial Calibration





#14

Acetophenone

Concen: 3.93 ng/ul

RT: 9.02 min Scan# 1052

Delta R.T. 0.01 min

Lab File: BG025665.D

Acq: 26 Jan 2017 13:55

Instrument :

BNA_G

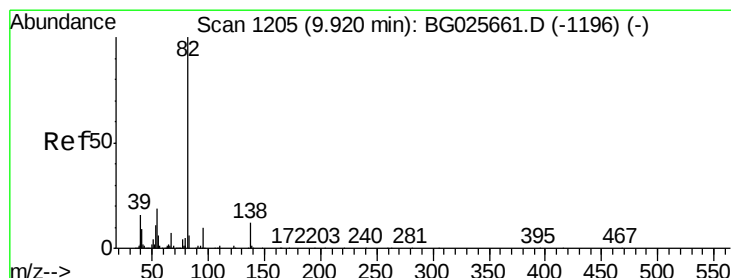
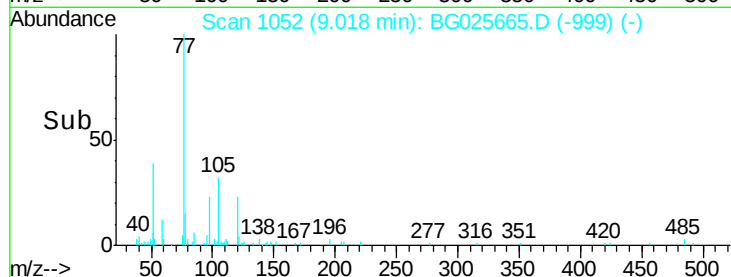
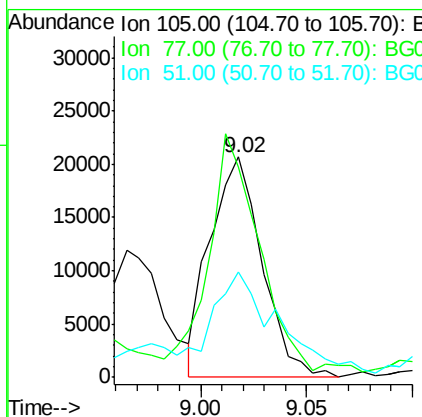
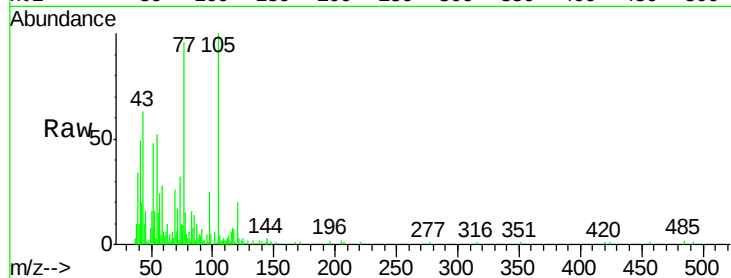
ClientSampleId :

DA9R8

Tgt Ion:	105	Resp:	35288
Ion Ratio	Lower	Upper	
105	100		
77	95.7	76.0	114.0
51	47.7	34.8	52.2

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#21

Isophorone

Concen: 30.97 ng/ul

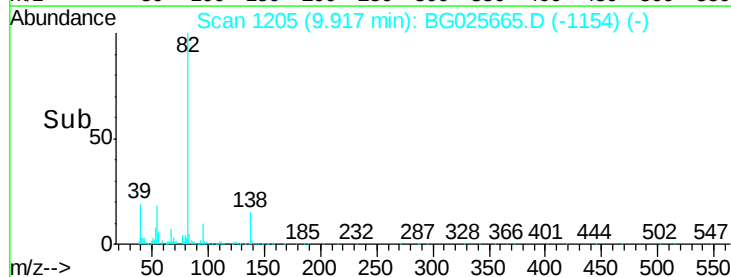
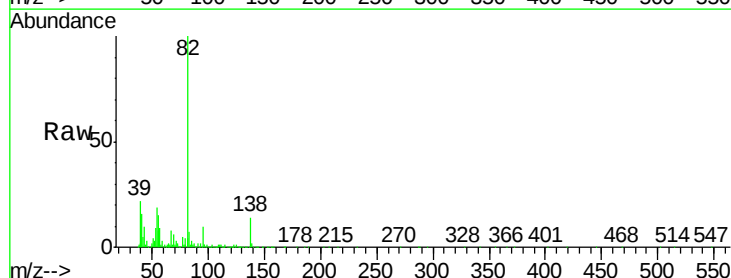
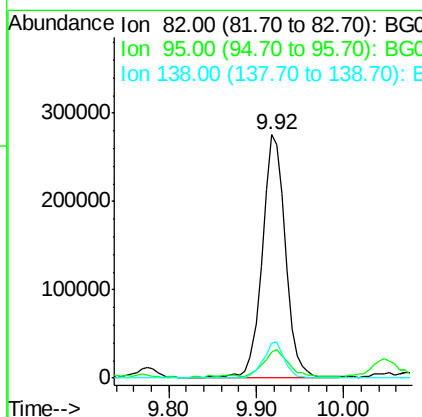
RT: 9.92 min Scan# 1205

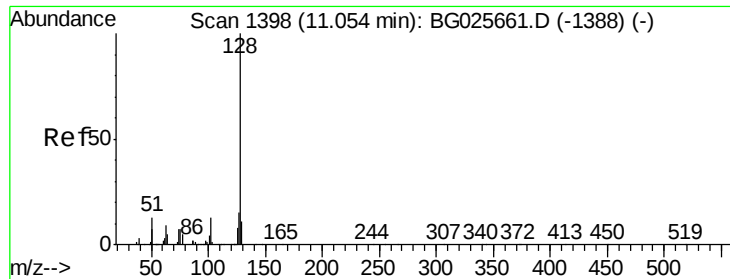
Delta R.T. -0.00 min

Lab File: BG025665.D

Acq: 26 Jan 2017 13:55

Tgt Ion:	82	Resp:	502072
Ion Ratio	Lower	Upper	
82	100		
95	10.5	7.8	11.6
138	14.5	12.2	18.2





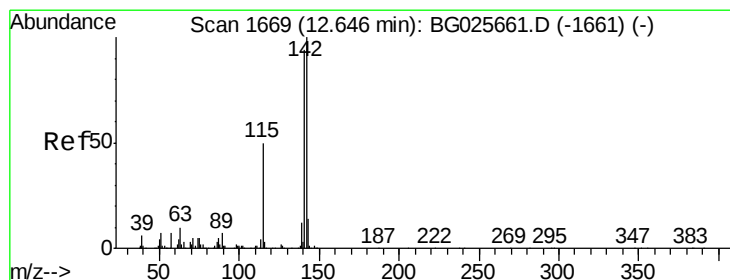
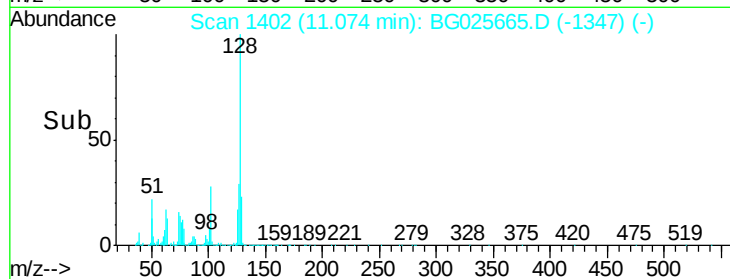
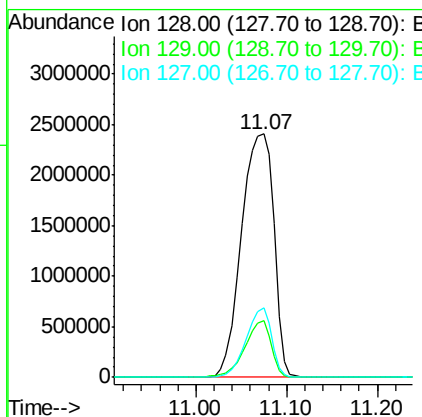
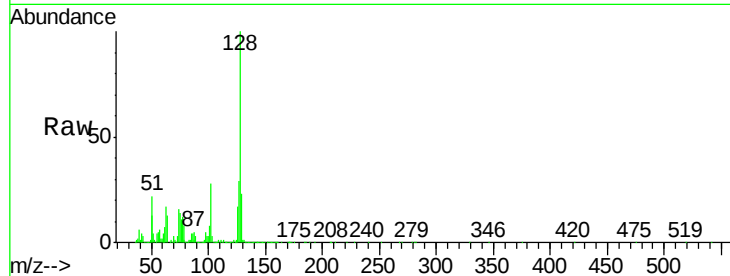
#28
Naphthalene
Concen: 339.81 ng/ul
RT: 11.07 min Scan# 1402
Delta R.T. 0.02 min
Lab File: BG025665.D
Acq: 26 Jan 2017 13:55

Instrument :
BNA_G
ClientSampleId :
DA9R8

Tgt Ion:128 Resp: 5967416
Ion Ratio Lower Upper
128 100
129 23.1 9.4 14.2#
127 28.8 10.3 15.5#

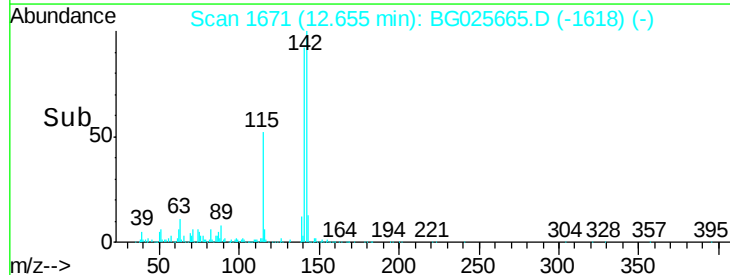
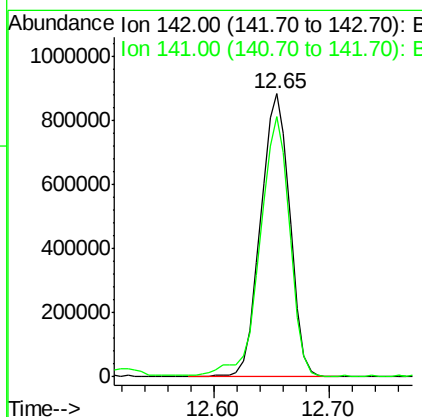
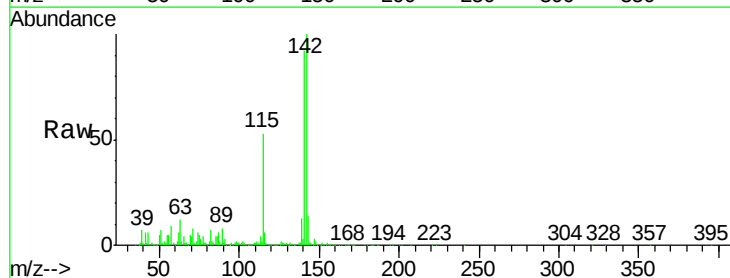
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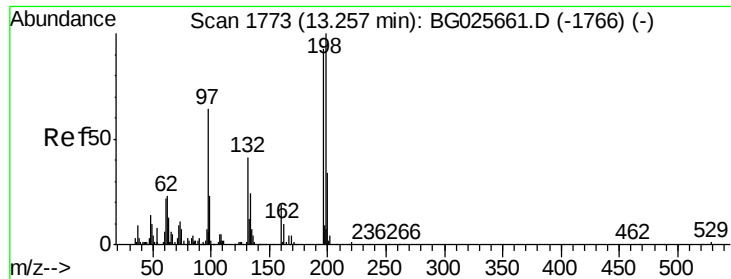
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#34
2-Methylnaphthalene
Concen: 108.55 ng/ul
RT: 12.65 min Scan# 1671
Delta R.T. 0.01 min
Lab File: BG025665.D
Acq: 26 Jan 2017 13:55

Tgt Ion:142 Resp: 1556289
Ion Ratio Lower Upper
142 100
141 91.9 68.6 102.8





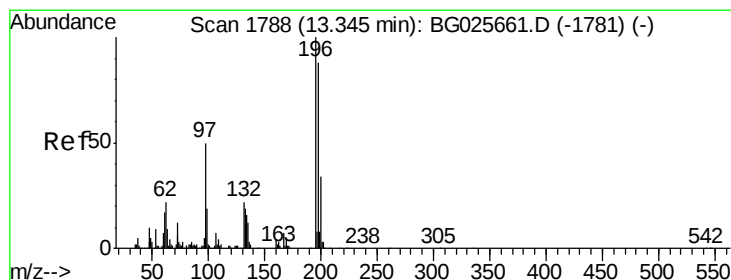
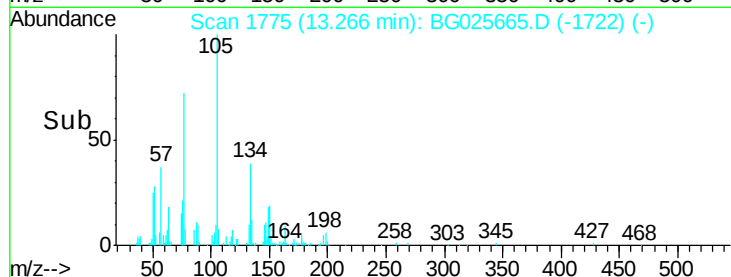
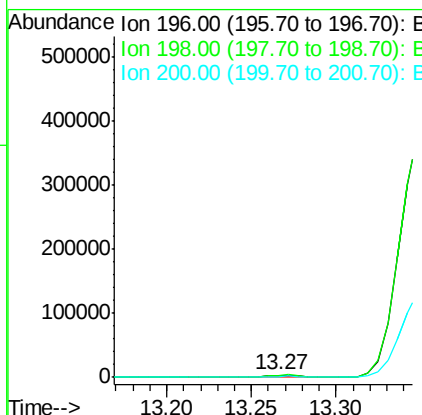
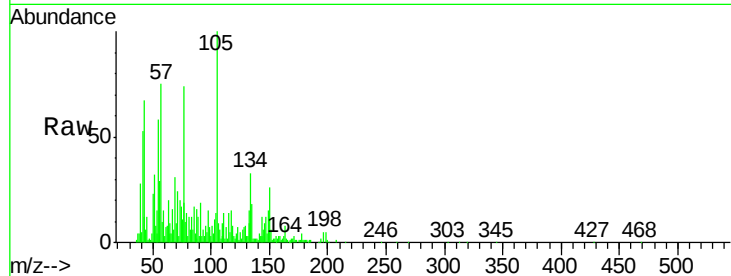
#38
 2,4,6-Trichlorophenol
 Concen: 1.31 ng/ul
 RT: 13.27 min Scan# 1775
 Delta R.T. 0.01 min
 Lab File: BG025665.D
 Acq: 26 Jan 2017 13:55

Instrument :
 BNA_G
 ClientSampled :
 DA9R8

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	6835		
198	101.8	71.4	107.2	
200	26.5	24.6	37.0	

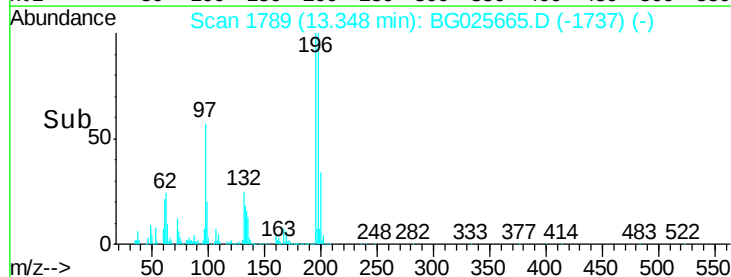
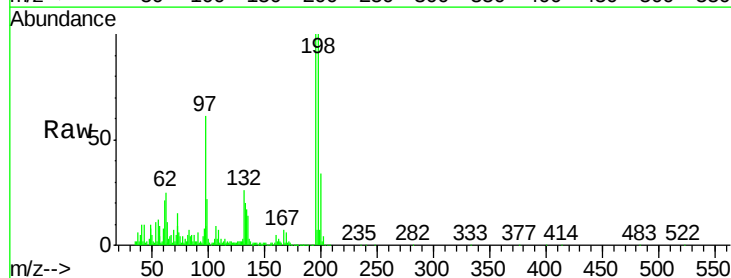
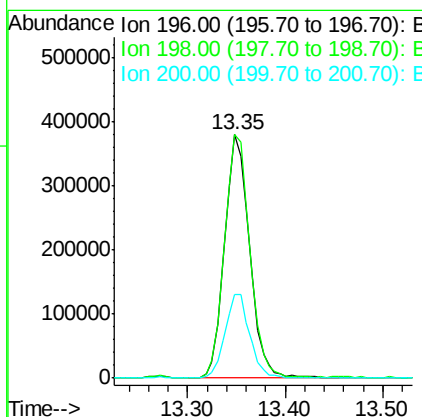
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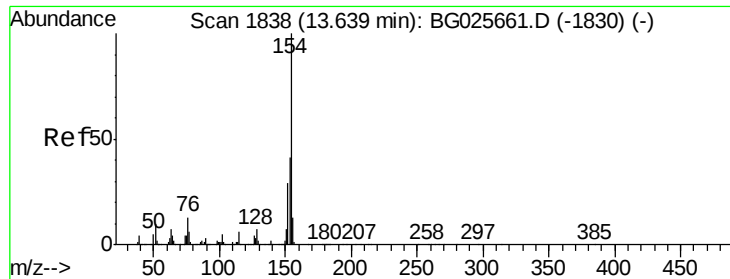
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#39
 2,4,5-Trichlorophenol
 Concen: 122.96 ng/ul
 RT: 13.35 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: BG025665.D
 Acq: 26 Jan 2017 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	672605		
198	100.1	78.6	118.0	
200	34.5	27.3	40.9	





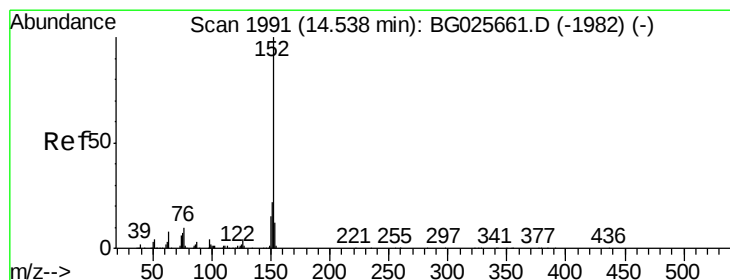
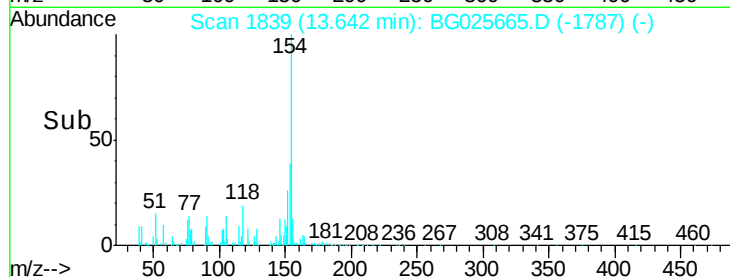
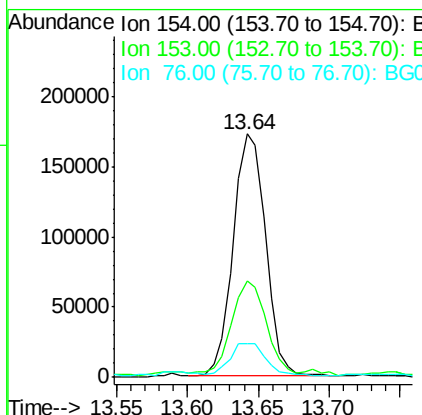
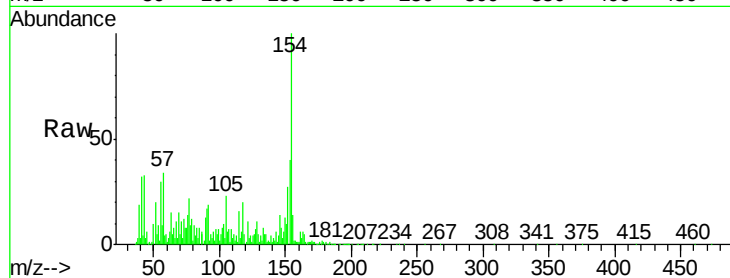
#40
1,1'-Biphenyl
Concen: 15.62 ng/ul
RT: 13.64 min Scan# 1839
Delta R.T. 0.00 min
Lab File: BG025665.D
Acq: 26 Jan 2017 13:55

Instrument :
BNA_G
ClientSampleId :
DA9R8

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	277003		
153	39.9		32.2	48.2
76	14.0		9.6	14.4

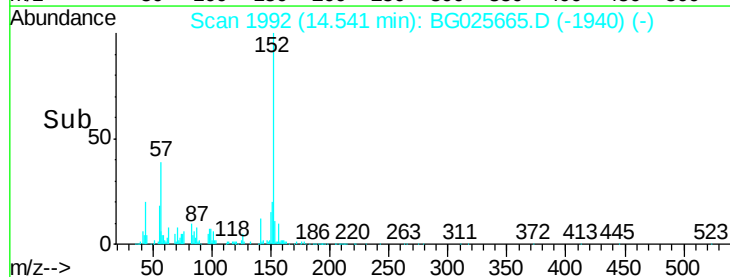
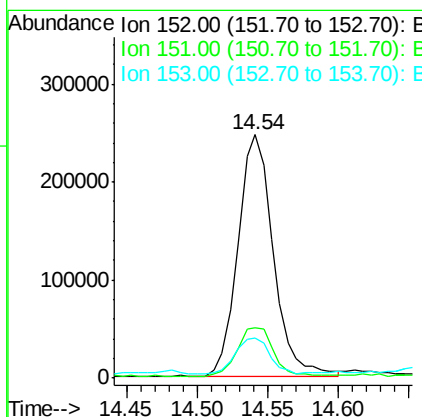
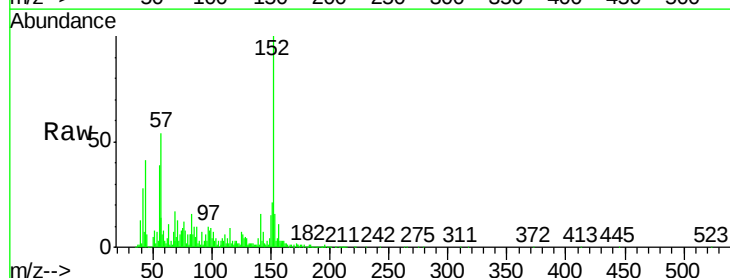
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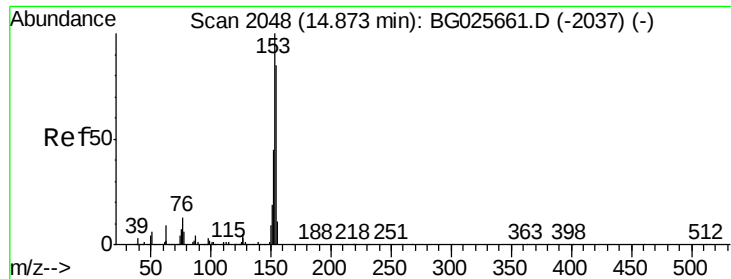
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#47
Acenaphthylene
Concen: 20.22 ng/ul
RT: 14.54 min Scan# 1992
Delta R.T. 0.00 min
Lab File: BG025665.D
Acq: 26 Jan 2017 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	429652		
151	20.7		16.7	25.1
153	16.3		11.4	17.2





#49

Acenaphthene

Concen: 25.64 ng/ul

RT: 14.88 min Scan# 2049

Delta R.T. 0.00 min

Lab File: BG025665.D

Acq: 26 Jan 2017 13:55

Instrument :

BNA_G

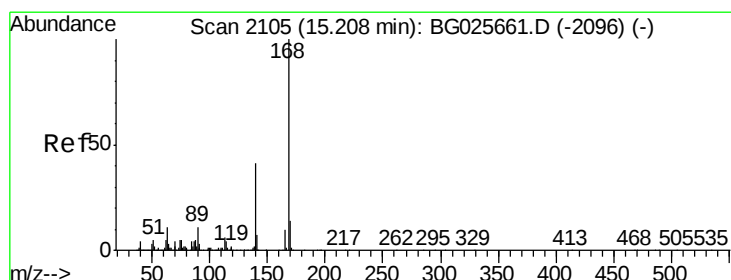
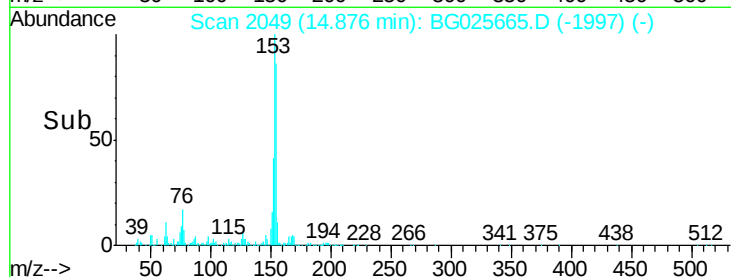
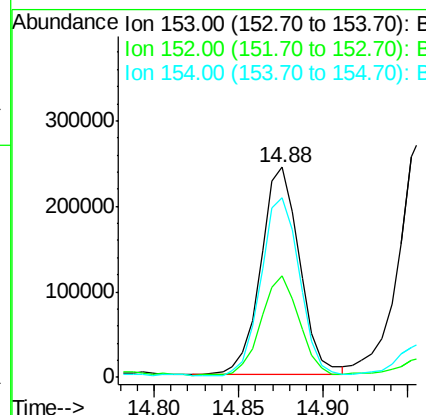
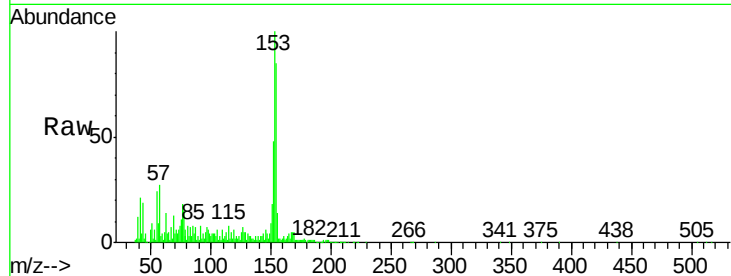
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.5	36.5	54.7
154	85.4	72.3	108.5

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#53

Dibenzofuran

Concen: 33.82 ng/ul

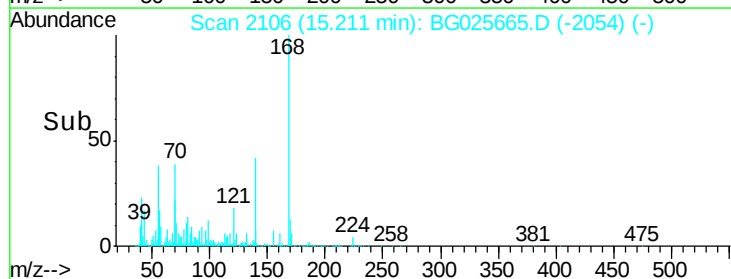
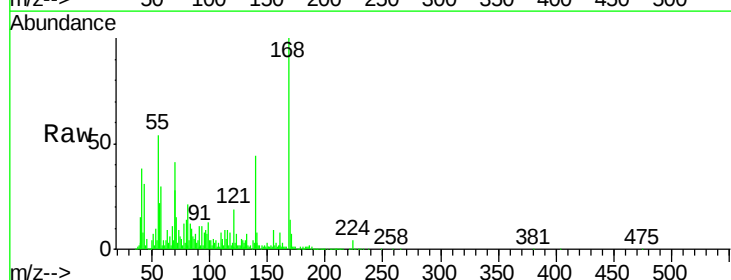
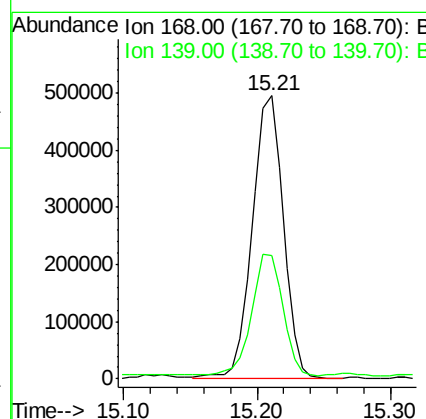
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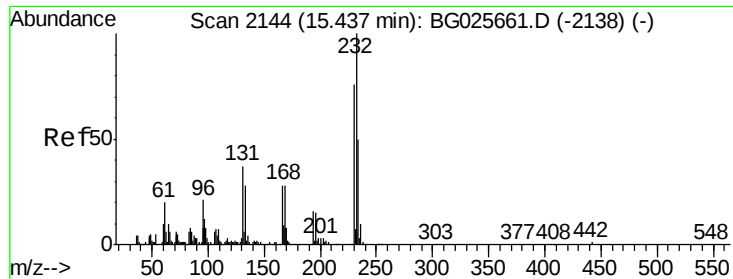
Delta R.T. 0.00 min

Lab File: BG025665.D

Acq: 26 Jan 2017 13:55

Tgt Ion	Ratio	Lower	Upper
168	100		
139	43.7	33.8	50.8





#55

2,3,4,6-Tetrachlorophenol

Concen: 142.44 ng/ul m

RT: 15.45 min Scan# 2146

Delta R.T. 0.01 min

Lab File: BG025665.D

Acq: 26 Jan 2017 13:55

Instrument :

BNA_G

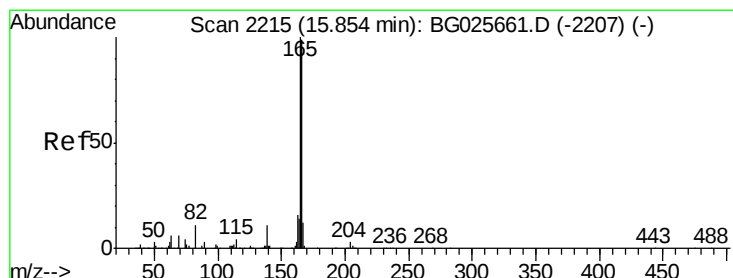
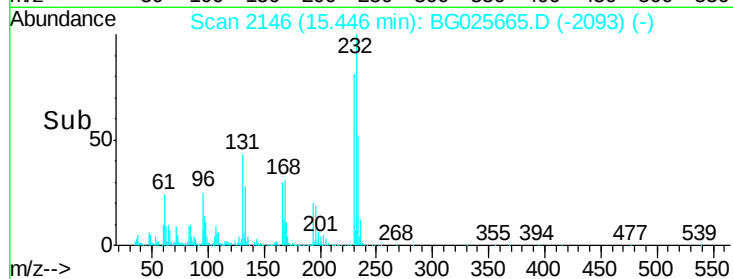
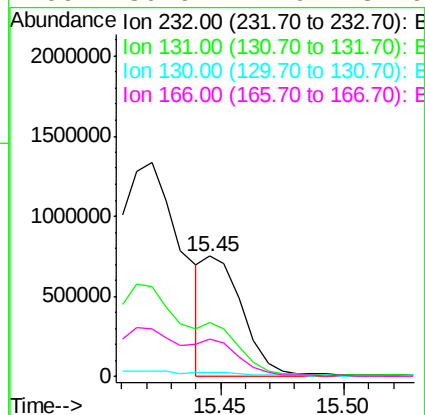
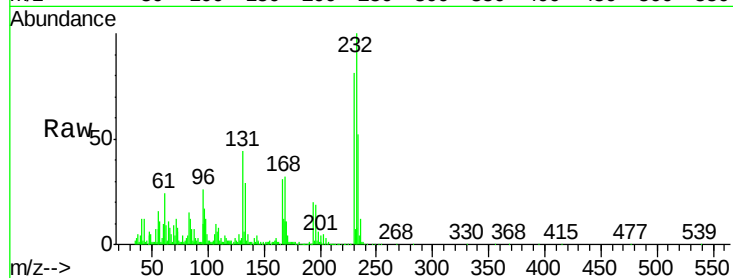
ClientSampled :

DA9R8

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	824429		
131	44.4	33.3	49.9	
130	3.4	1.8	2.6	
166	30.6	21.9	32.9	

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#58

Fluorene

Concen: 21.90 ng/ul

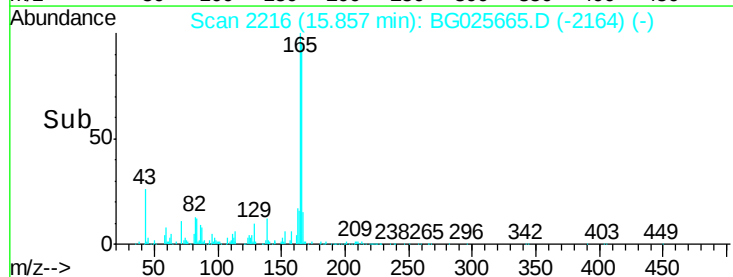
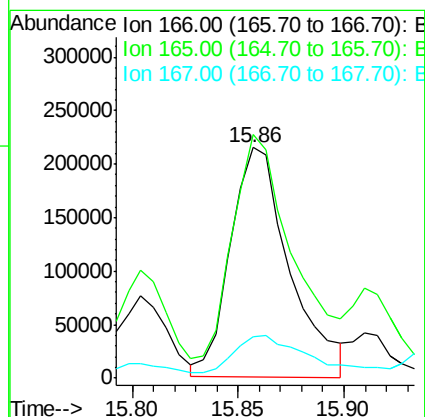
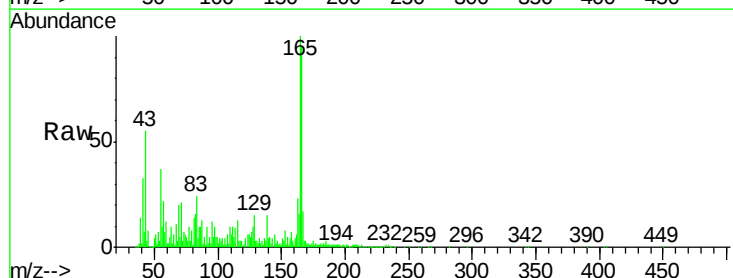
RT: 15.86 min Scan# 2216

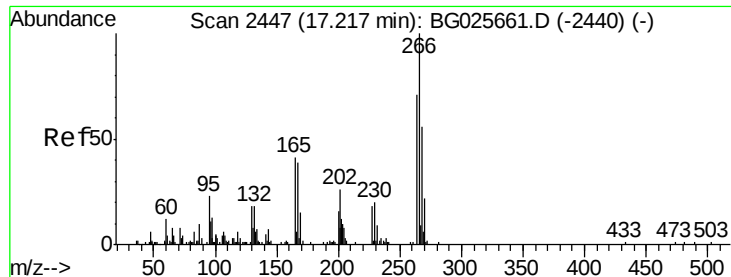
Delta R.T. 0.00 min

Lab File: BG025665.D

Acq: 26 Jan 2017 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	416095		
165	105.7	79.7	119.5	
167	17.8	11.4	17.2	





#68

Pentachlorophenol

Concen: 5180.56 ng/ul

RT: 17.30 min Scan# 2462

Delta R.T. 0.08 min

Lab File: BG025665.D

Acq: 26 Jan 2017 13:55

Instrument :

BNA_G

ClientSampleId :

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Tgt Ion:266 Resp:15999476

Ion Ratio Lower Upper

266 100

264 95.2 47.1 70.7#

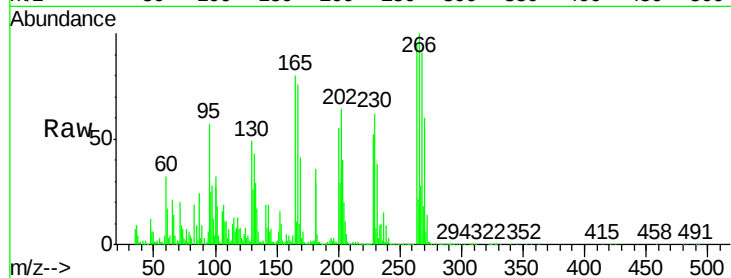
268 91.1 56.2 84.4#

Manual Integrations

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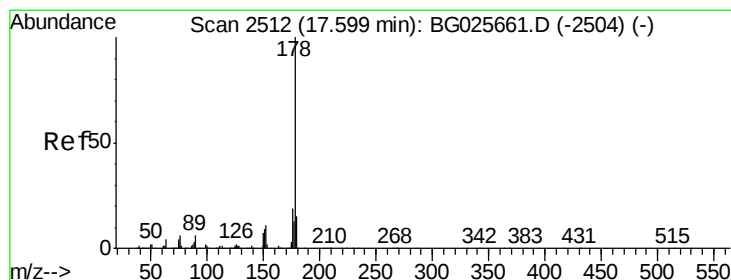
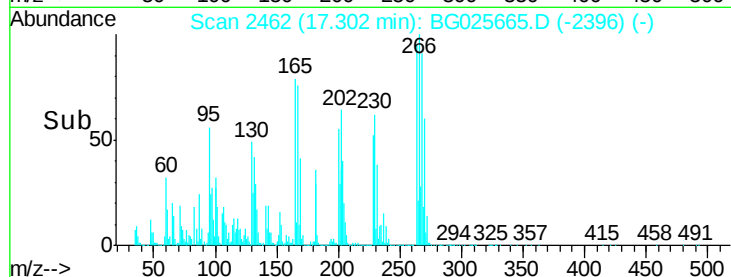
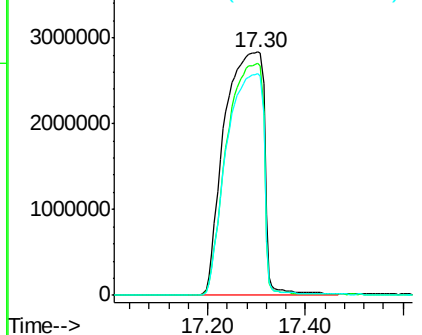
1/27/2017 3:05:26 PM



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#69

Phenanthrene

Concen: 38.97 ng/ul

RT: 17.63 min Scan# 2518

Delta R.T. 0.03 min

Lab File: BG025665.D

Acq: 26 Jan 2017 13:55

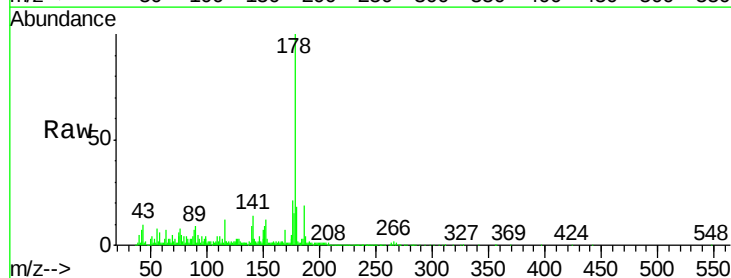
Tgt Ion:178 Resp: 1066531

Ion Ratio Lower Upper

178 100

179 18.0 12.4 18.6

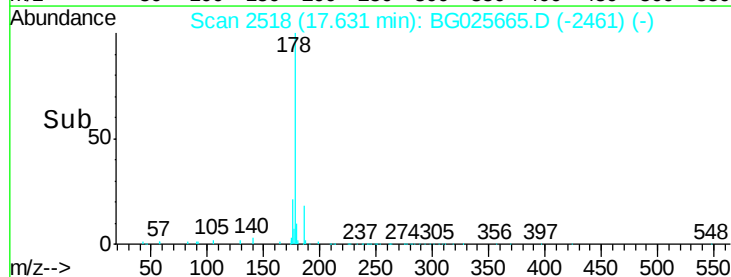
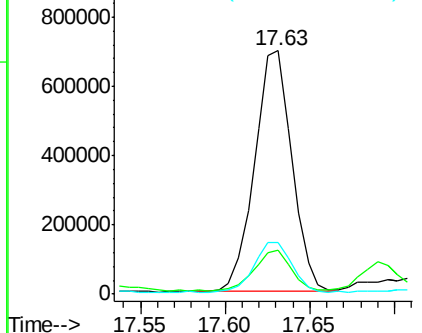
176 21.3 16.5 24.7

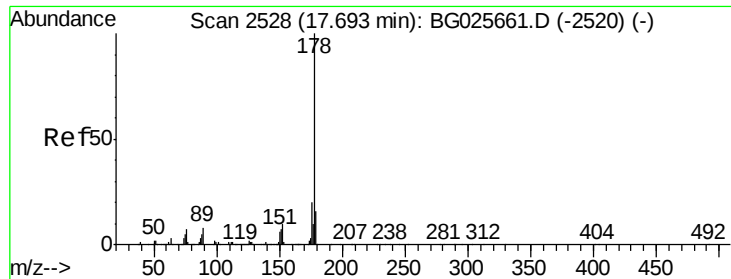


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 4.71 ng/ul m

RT: 17.71 min Scan# 2532

Delta R.T. 0.02 min

Lab File: BG025665.D

Acq: 26 Jan 2017 13:55

Instrument :

BNA_G

ClientSampleId :

DA9R8

Tgt Ion:178 Resp: 129585
Ion Ratio Lower Upper

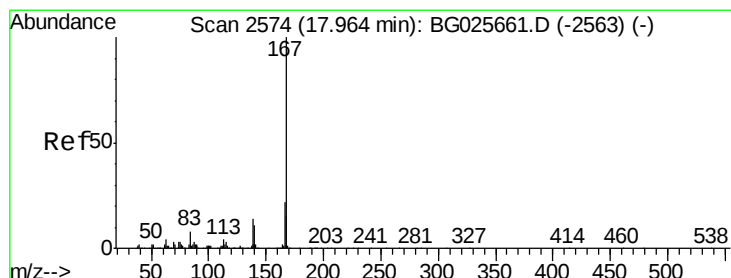
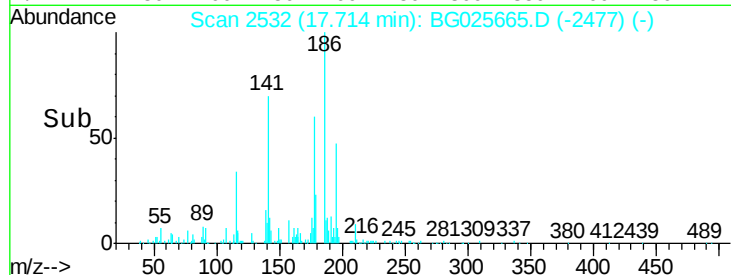
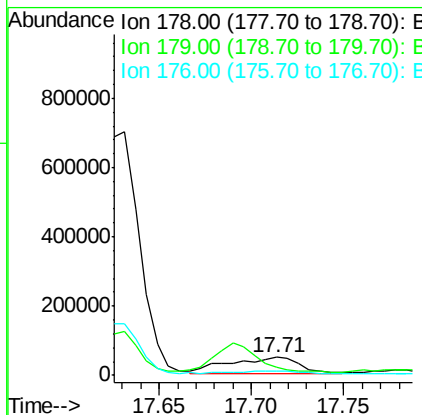
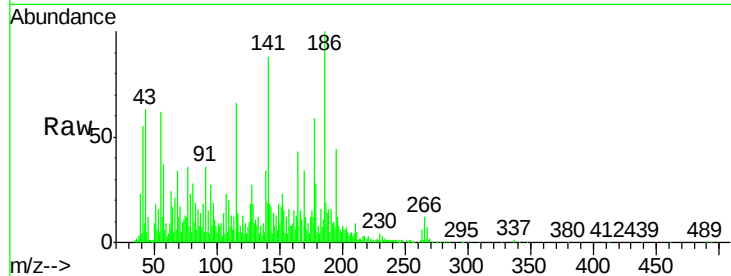
178 100

179 46.8 12.6 19.0#

176 25.8 15.9 23.9#

Manual Integrations
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#72

Carbazole

Concen: 18.02 ng/ul

RT: 17.99 min Scan# 2579

Delta R.T. 0.03 min

Lab File: BG025665.D

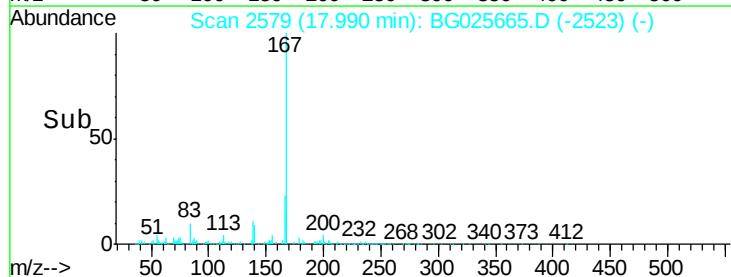
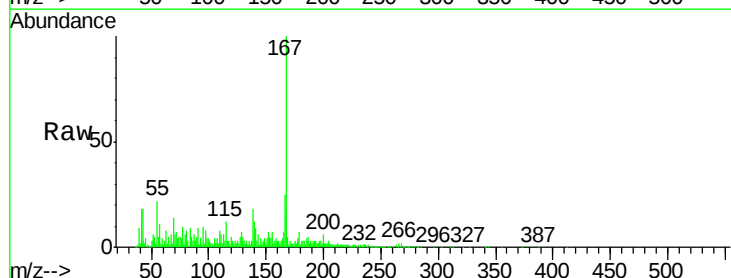
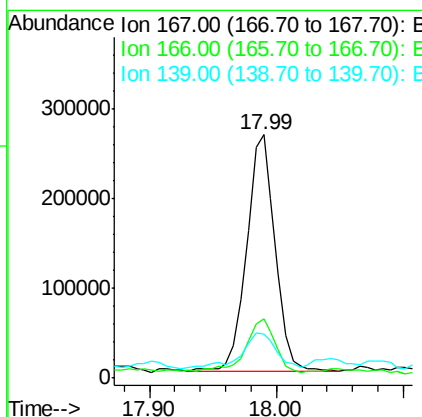
Acq: 26 Jan 2017 13:55

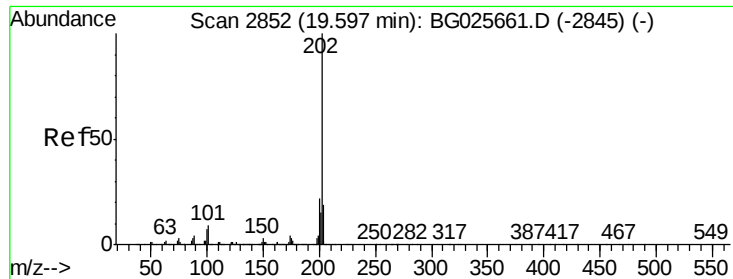
Tgt Ion:167 Resp: 411111
Ion Ratio Lower Upper

167 100

166 24.6 17.9 26.9

139 18.3 10.5 15.7#





#74

Fluoranthene

Concen: 3.05 ng/ul

RT: 19.61 min Scan# 2854

Delta R.T. 0.01 min

Lab File: BG025665.D

Acq: 26 Jan 2017 13:55

Instrument :

BNA_G

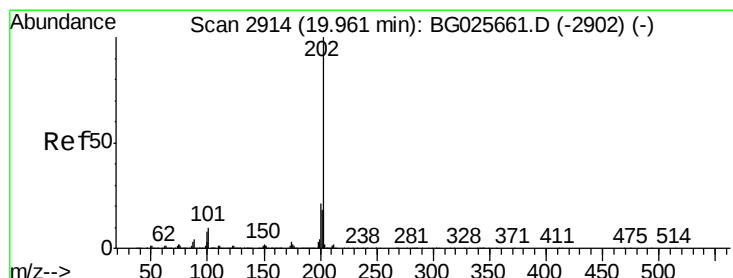
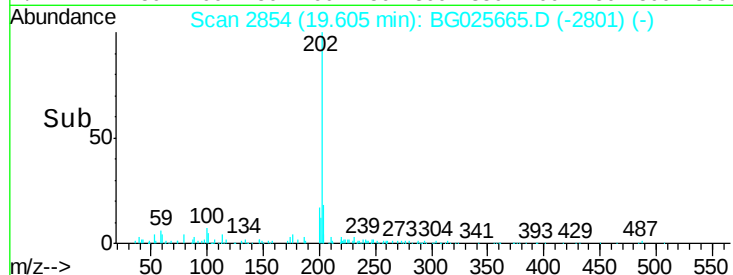
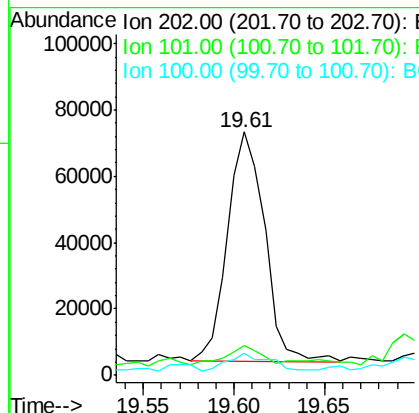
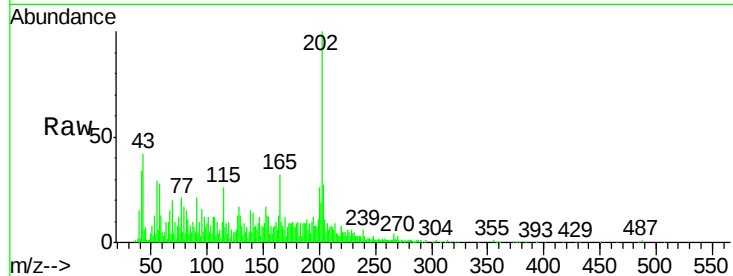
ClientSampleId :

DA9R8

Tgt Ion:	202	Resp:	98402
Ion Ratio	Lower	Upper	
202	100		
101	12.1	6.2	9.2#
100	9.1	5.2	7.8#

Manual Integrations
APPROVED

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#77

Pyrene

Concen: 1.84 ng/ul

RT: 19.97 min Scan# 2916

Delta R.T. 0.01 min

Lab File: BG025665.D

Acq: 26 Jan 2017 13:55

Tgt Ion:	202	Resp:	59746
Ion Ratio	Lower	Upper	
202	100		
101	15.8	6.9	10.3#
100	9.4	6.6	10.0

