

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120916\
 Data File : BG025034.D
 Acq On : 9 Dec 2016 11:29
 Operator : UM/SJ
 Sample : H5863-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA7Y1

Manual Integrations
 APPROVED

Sohil
 12/12/2016 4:28:05 PM

Quant Time: Dec 12 00:30:09 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Dec 11 23:54:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	153088	20.00	ng/ul	0.01
18) Naphthalene-d8	11.08	136	586110	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.88	164	459221	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.63	188	890743	20.00	ng/ul	0.03
75) Chrysene-d12	21.92	240	1166674	20.00	ng/ul	0.02
83) Perylene-d12	25.38	264	1237551m	20.00	ng/ul	0.07

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	16420	5.54	ng/uL	0.00
5) Phenol-d5	7.39	99	176675	13.38	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.56	67	140006	17.14	ng/ul	0.00
9) 2-Chlorophenol-d4	7.78	132	130167	14.09	ng/ul	0.01
13) 4-Methylphenol-d8	8.95	113	153766	13.93	ng/ul	0.02
19) Nitrobenzene-d5	9.43	128	94100	22.67	ng/ul	0.01
22) 2-Nitrophenol-d4	10.15	143	82512	15.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.70	165	158298	15.91	ng/ul	0.02
29) 4-Chloroaniline-d4	11.22	131	163842	16.75	ng/ul	0.02
43) Dimethylphthalate-d6	14.28	166	522017	16.53	ng/ul	0.02
46) Acenaphthylene-d8	14.58	160	636680	18.40	ng/ul	0.02
51) 4-Nitrophenol-d4	15.02	143	40625	7.48	ng/ul	-0.03
57) Fluorene-d10	15.87	176	592888	19.94	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	16.00	200	118063	21.44	ng/ul	0.04
70) Anthracene-d10	17.73	188	755420	20.09	ng/ul	0.02
76) Pyrene-d10	19.99	212	858479	17.86	ng/ul	0.02
87) Benzo(a)pyrene-d12	25.15	264	882022	17.59	ng/ul	0.07

Target Compounds

						Ovalue
6) Phenol	7.42	94	136498	10.07	ng/ul	96
11) 2-Methylphenol	8.69	108	223406	22.38	ng/ul	94
14) Acetophenone	9.09	105	312313	18.59	ng/ul	94
16) 4-Methylphenol	9.02	108	160095	14.42	ng/ul	80
24) 2,4-Dimethylphenol	10.26	107	454114	37.83	ng/ul	98
28) Naphthalene	11.13	128	1693900	62.17	ng/ul#	94
34) 2-Methylnaphthalene	12.73	142	2285399	106.29	ng/ul	92
40) 1,1'-Biophenyl	13.71	154	314527	11.30	ng/ul	99
41) 2-Chloronaphthalene	13.80	162	107786	4.86	ng/ul#	88
49) Acenaphthene	14.95	153	345202	14.98	ng/ul#	88
53) Dibenzofuran	15.28	168	744866	20.44	ng/ul	91
58) Fluorene	15.93	166	747557	25.19	ng/ul#	92
69) Phenanthrene	17.67	178	599445	14.10	ng/ul#	83
74) Fluoranthene	19.66	202	408668	8.09	ng/ul	98
77) Pyrene	20.02	202	604373	10.78	ng/ul	97
82) Chrysene	21.97	228	159140	2.81	ng/ul#	67

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

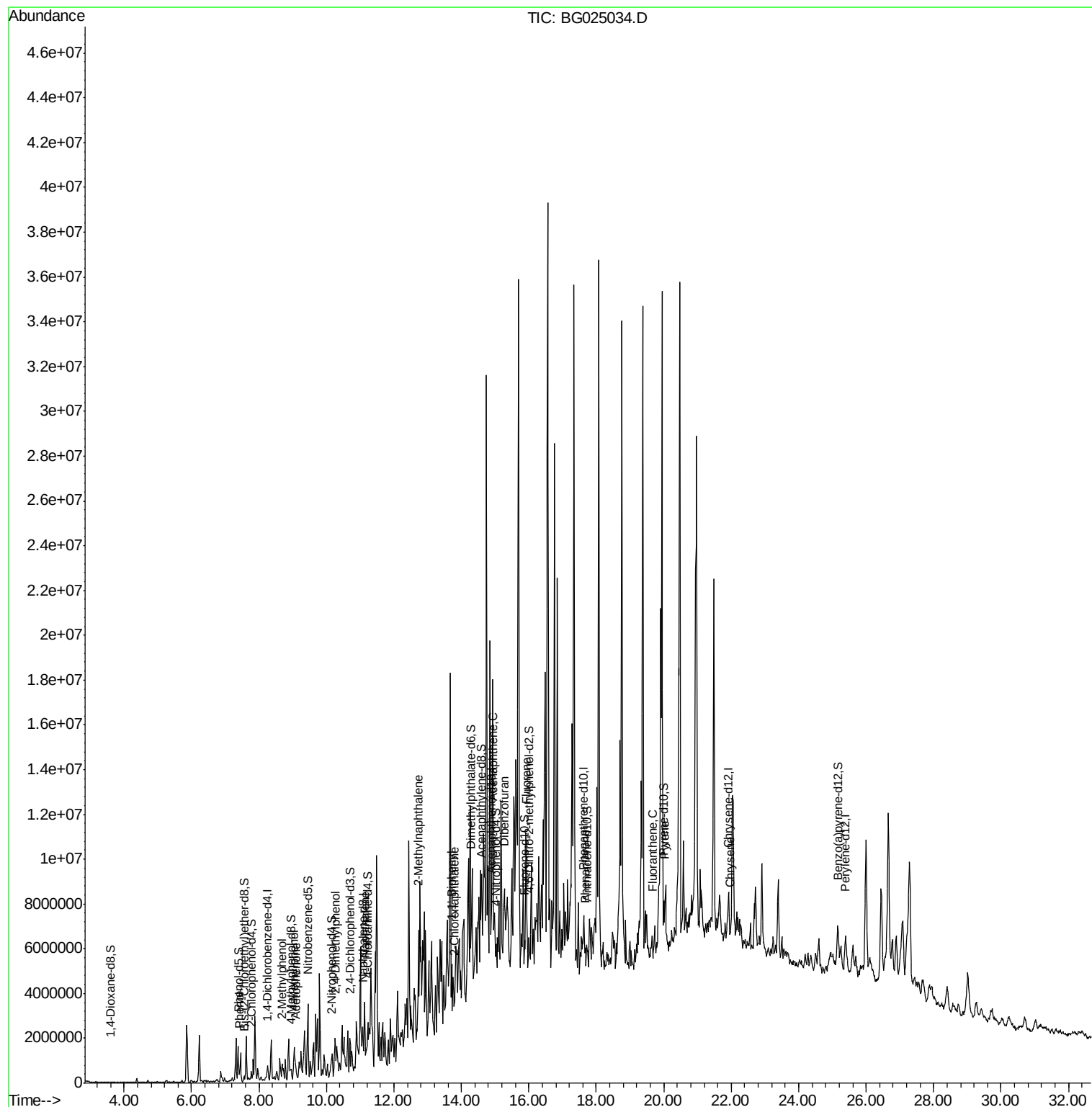
Data Path : Z:\HPCHEM1\BNA G\DATA\BG120916\
Data File : BG025034.D
Acq On : 9 Dec 2016 11:29
Operator : UM/SJ
Sample : H5863-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

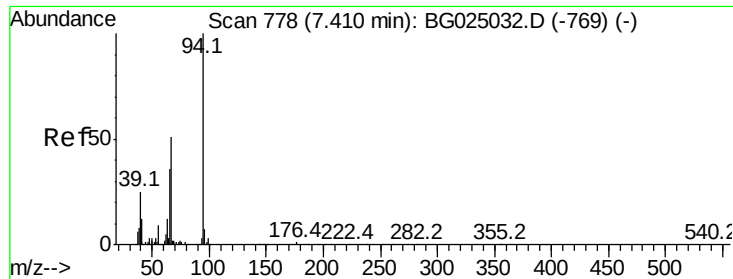
Instrument :
BNA_G
ClientSampleId :
DA7Y1

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Quant Time: Dec 12 00:30:09 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 11 23:54:53 2016
Response via : Initial Calibration





#6

Phenol

Concen: 10.07 ng/ul

RT: 7.42 min Scan# 780

Delta R.T. 0.01 min

Lab File: BG025034.D

Acq: 9 Dec 2016 11:29

Instrument :

BNA_G

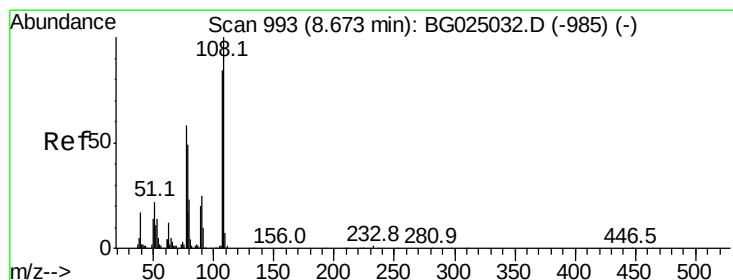
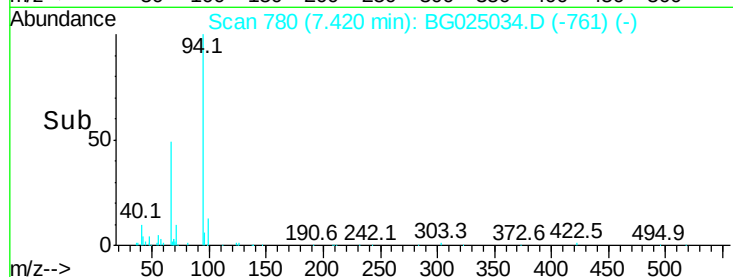
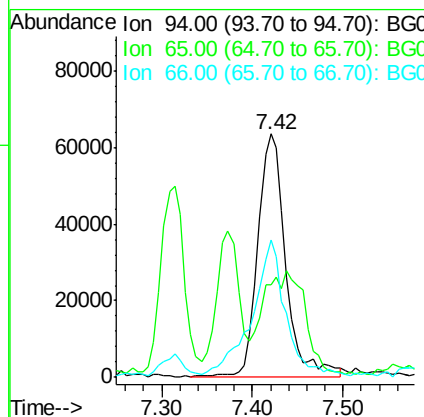
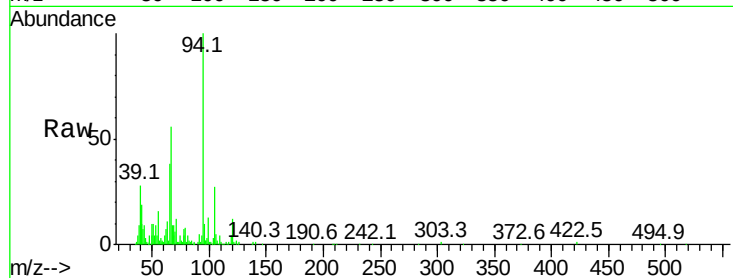
ClientSampled :

DA7Y1

Tot Ion:	94	Resp:	136498
Ion Ratio	Lower	Upper	
94	100		
65	38.3	26.8	40.2
66	56.5	44.4	66.6

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#11

2-Methylphenol

Concen: 22.38 ng/ul

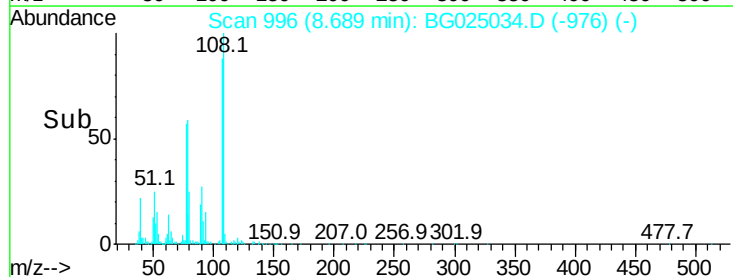
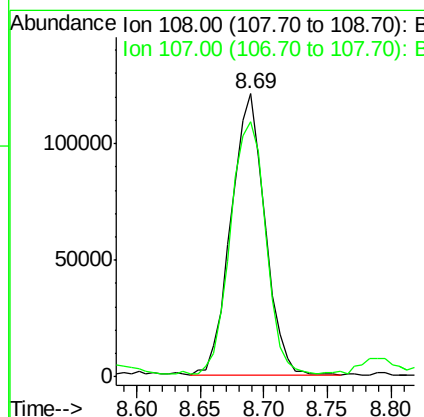
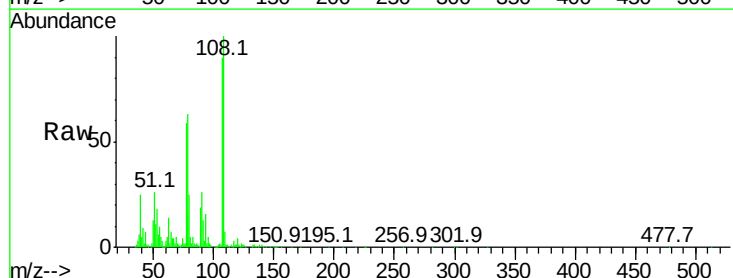
RT: 8.69 min Scan# 996

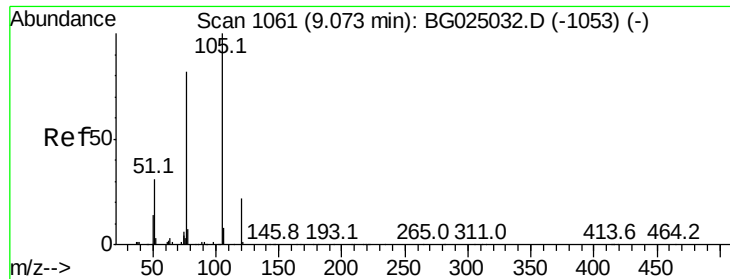
Delta R.T. 0.02 min

Lab File: BG025034.D

Acq: 9 Dec 2016 11:29

Tgt Ion:	108	Resp:	223406
Ion Ratio	Lower	Upper	
108	100		
107	90.2	76.7	115.1





#14

Acetophenone

Concen: 18.59 ng/ul

RT: 9.09 min Scan# 1064

Delta R.T. 0.02 min

Lab File: BG025034.D

Acq: 9 Dec 2016 11:29

Instrument :

BNA_G

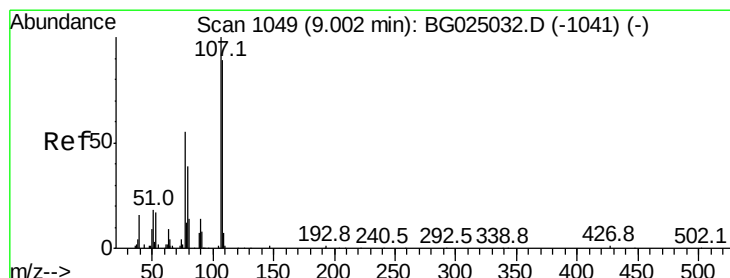
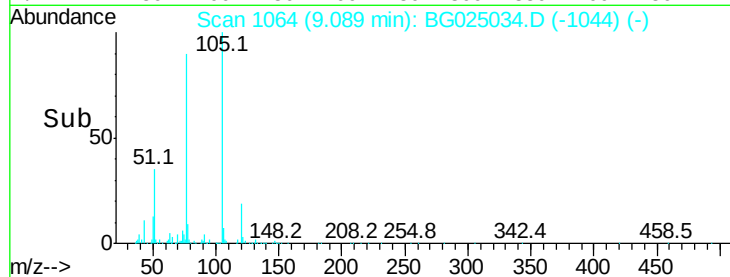
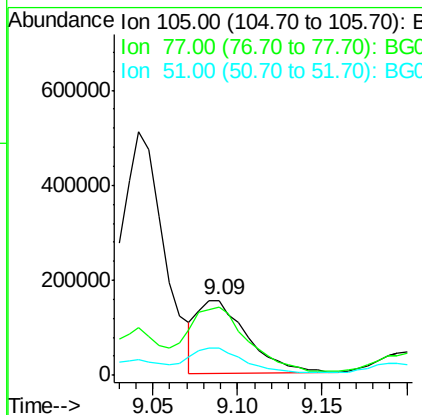
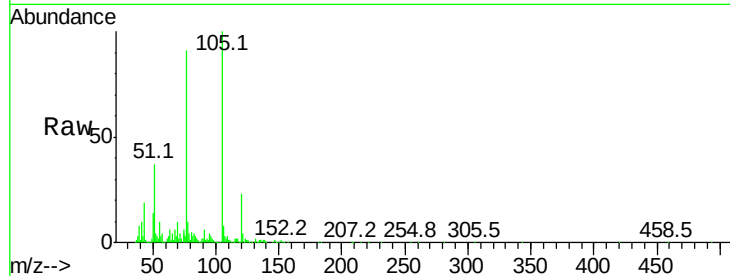
ClientSampleId :

DA7Y1

Tot Ion:	105	Resp:	312313
Ion Ratio	Lower	Upper	
105	100		
77	90.9	76.0	114.0
51	36.6	34.8	52.2

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#16

4-Methylphenol

Concen: 14.42 ng/ul

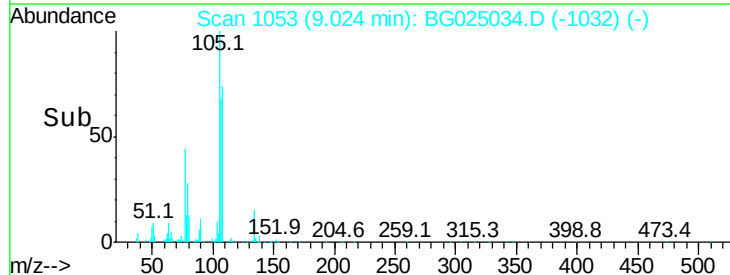
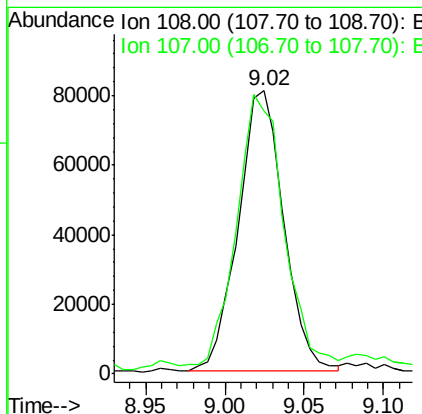
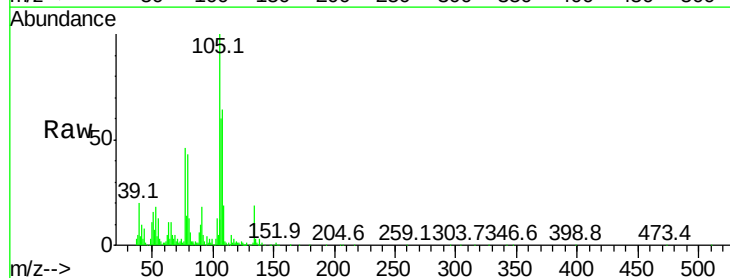
RT: 9.02 min Scan# 1053

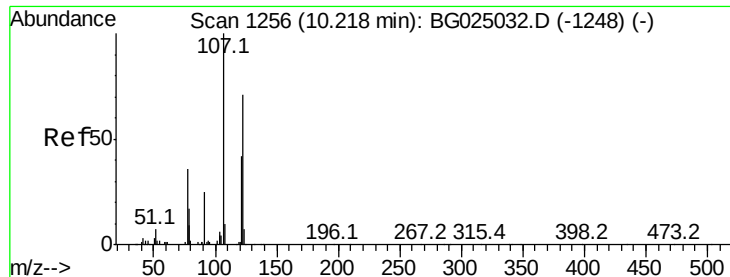
Delta R.T. 0.02 min

Lab File: BG025034.D

Acq: 9 Dec 2016 11:29

Tgt Ion:	108	Resp:	160095
Ion Ratio	Lower	Upper	
108	100		
107	92.8	91.7	137.5





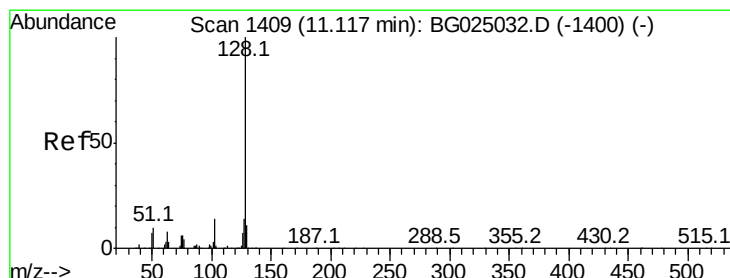
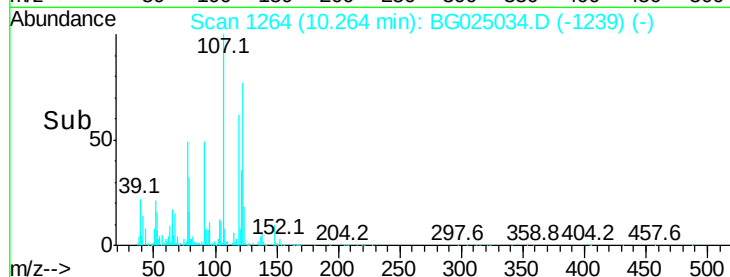
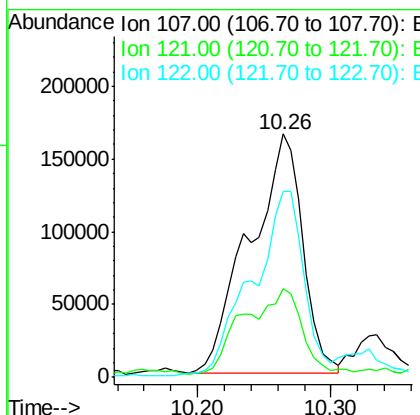
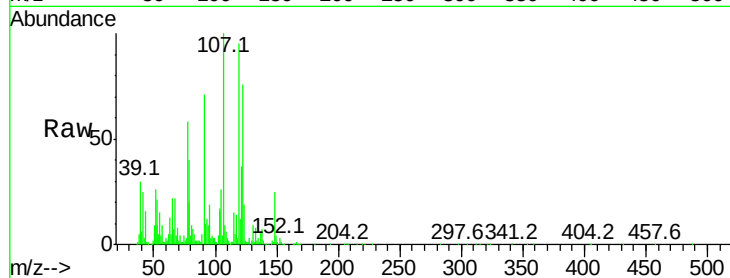
#24
2,4-Dimethylphenol
Concen: 37.83 ng/ul
RT: 10.26 min Scan# 1264
Delta R.T. 0.05 min
Lab File: BG025034.D
Acq: 9 Dec 2016 11:29

Instrument :
BNA_G
ClientSampled :
DA7Y1

Tot Ion	Ratio	Resp	Lower	Upper
107	100	454114		
121	36.6	32.3	48.5	
122	76.2	61.2	91.8	

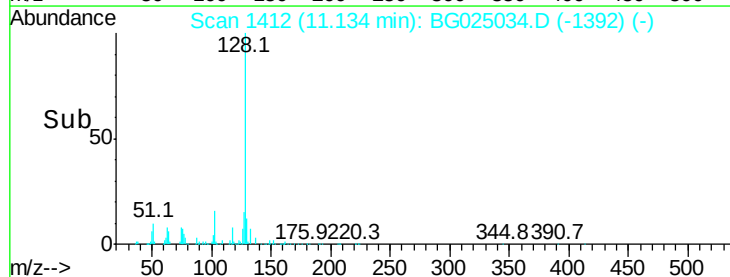
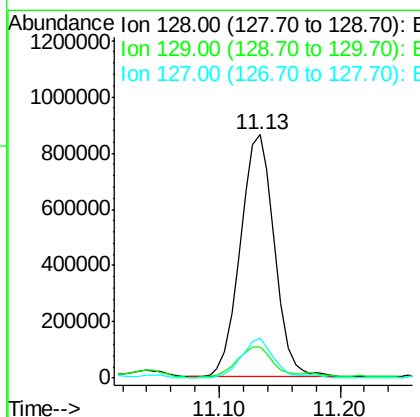
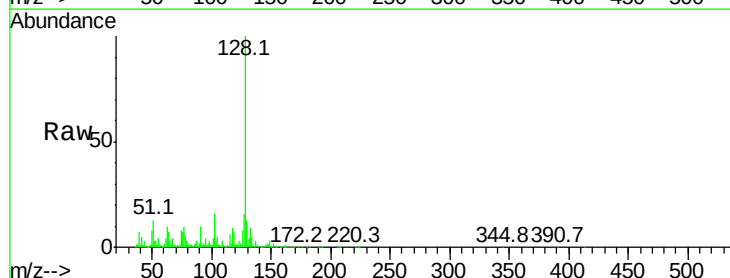
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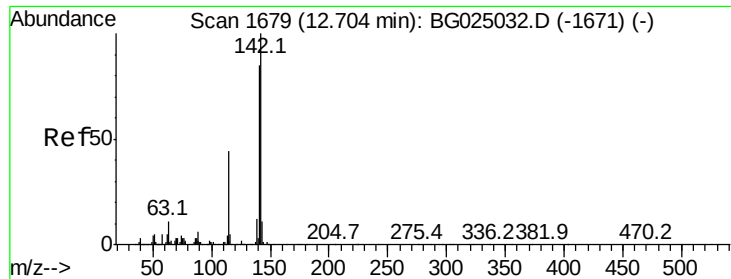
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#28
Naphthalene
Concen: 62.17 ng/ul
RT: 11.13 min Scan# 1412
Delta R.T. 0.02 min
Lab File: BG025034.D
Acq: 9 Dec 2016 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	1693900		
129	13.0	9.4	14.2	
127	16.3	10.3	15.5	





#34

2-Methylnaphthalene

Concen: 106.29 ng/ul

RT: 12.73 min Scan# 1683

Delta R.T. 0.02 min

Lab File: BG025034.D

Acq: 9 Dec 2016 11:29

Instrument :

BNA_G

ClientSampled :

DA7Y1

Tot Ion:142 Resp: 2285399

Ion Ratio Lower Upper

142 100

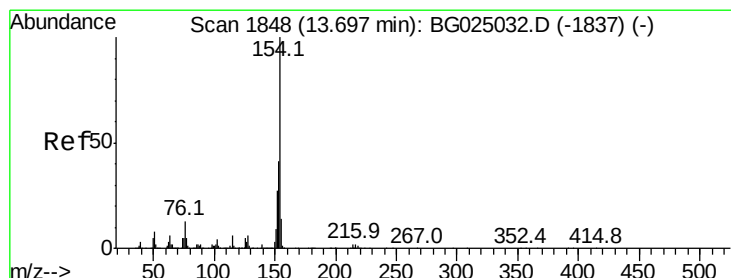
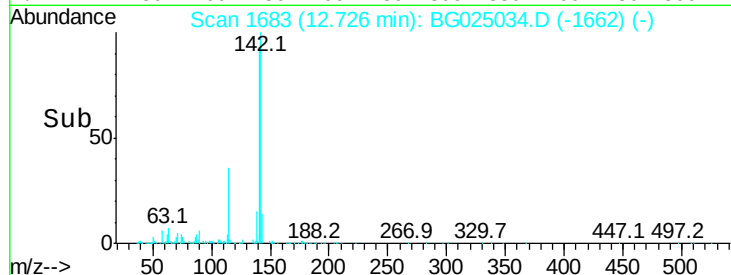
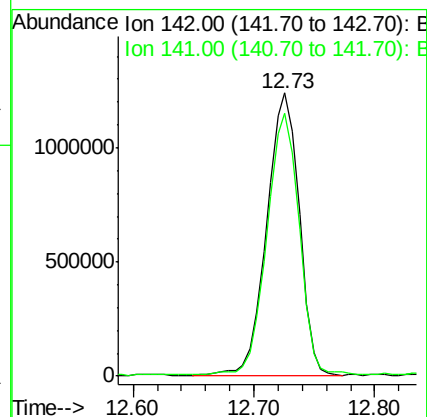
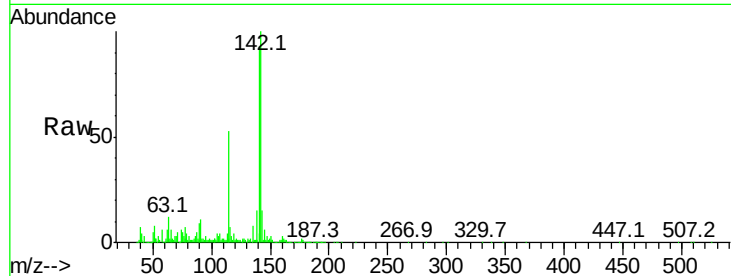
141 92.8 68.6 102.8

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#40

1,1'-Biphenyl

Concen: 11.30 ng/ul

RT: 13.71 min Scan# 1851

Delta R.T. 0.02 min

Lab File: BG025034.D

Acq: 9 Dec 2016 11:29

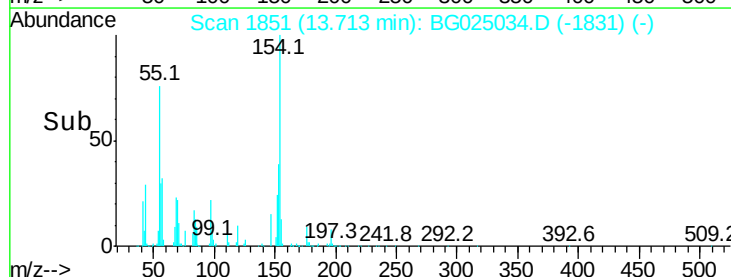
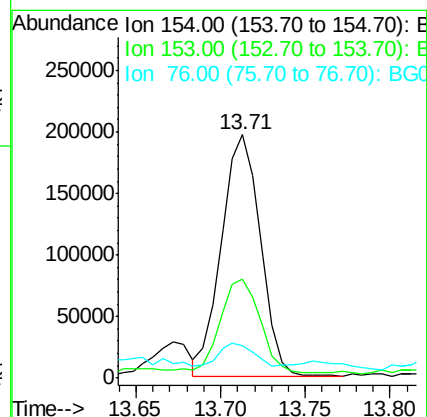
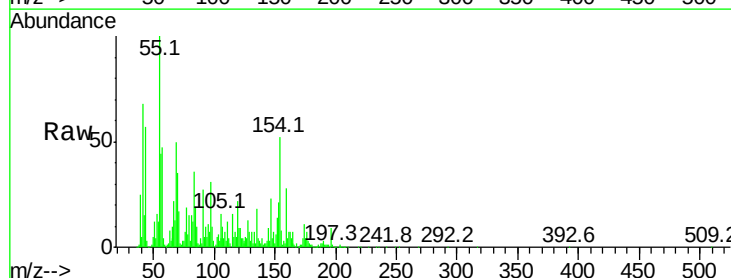
Tgt Ion:154 Resp: 314527

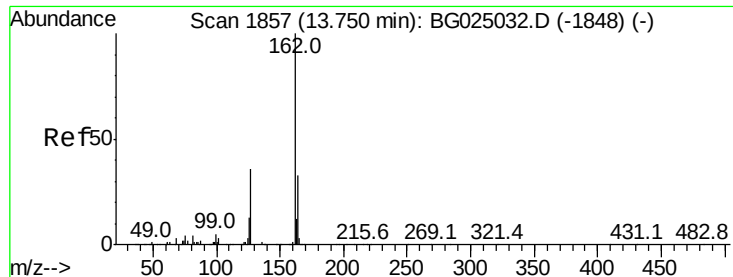
Ion Ratio Lower Upper

154 100

153 40.7 32.2 48.2

76 13.2 9.6 14.4





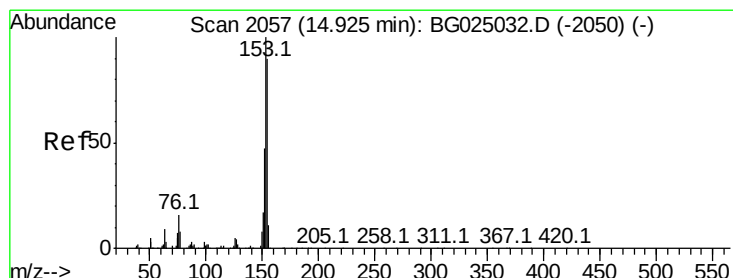
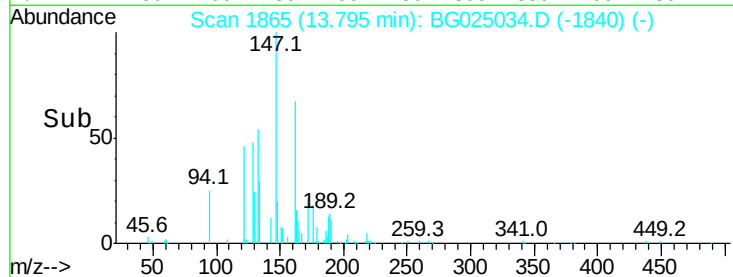
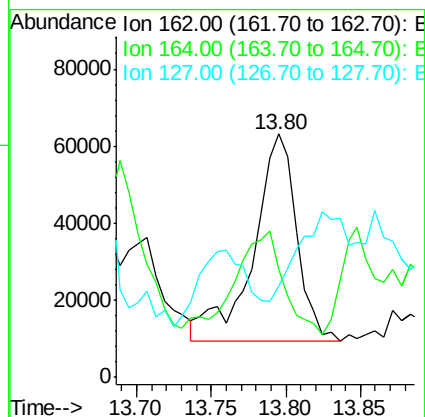
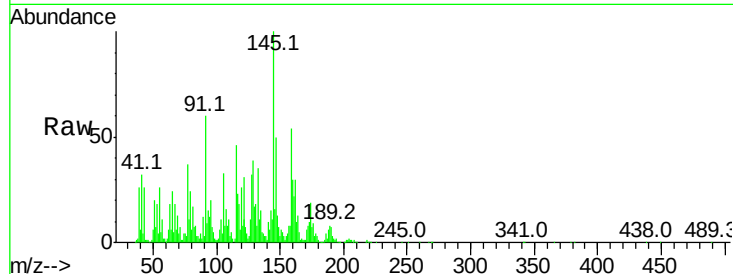
#41
 2-Chloronaphthalene
 Concen: 4.86 ng/ul
 RT: 13.80 min Scan# 1865
 Delta R.T. 0.05 min
 Lab File: BG025034.D
 Acq: 9 Dec 2016 11:29

Instrument :
 BNA_G
 ClientSampled :
 DA7Y1

Tot Ion	Ratio	Lower	Upper
162	100		
164	44.5	25.0	37.6#
127	37.6	30.7	46.1

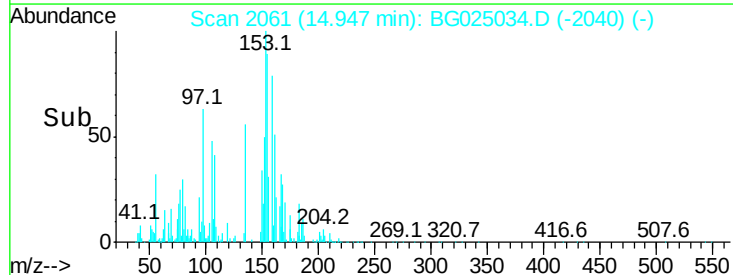
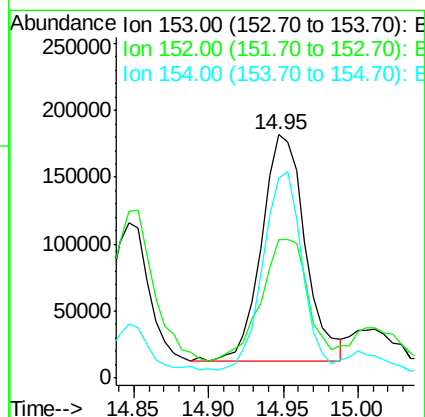
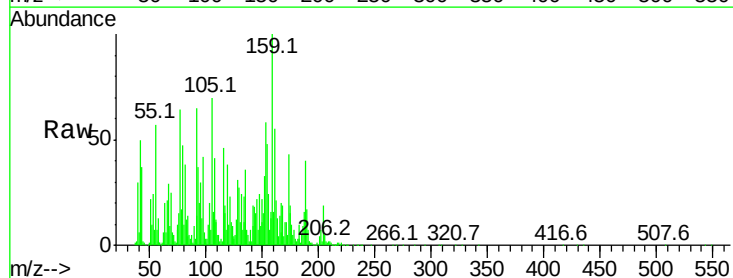
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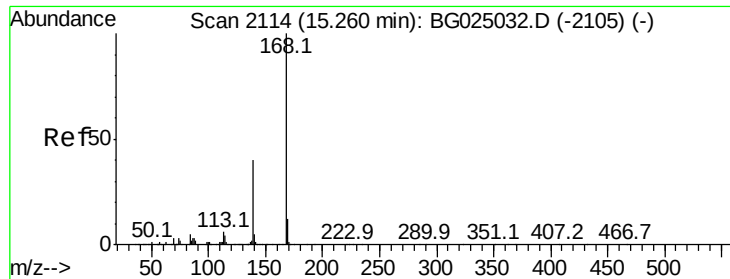
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#49
 Acenaphthene
 Concen: 14.98 ng/ul
 RT: 14.95 min Scan# 2061
 Delta R.T. 0.02 min
 Lab File: BG025034.D
 Acq: 9 Dec 2016 11:29

Tgt Ion	Ratio	Lower	Upper
153	100		
152	57.0	36.5	54.7#
154	82.2	72.3	108.5





#53

Dibenzenofuran

Concen: 20.44 ng/ul

RT: 15.28 min Scan# 2118

Delta R.T. 0.02 min

Lab File: BG025034.D

Acq: 9 Dec 2016 11:29

Instrument :

BNA_G

ClientSampleId :

DA7Y1

Tot Ion:168 Resp: 744866

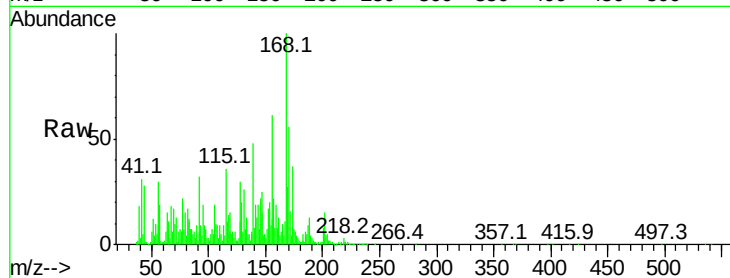
Ion Ratio Lower Upper

168 100

139 47.8 33.8 50.8

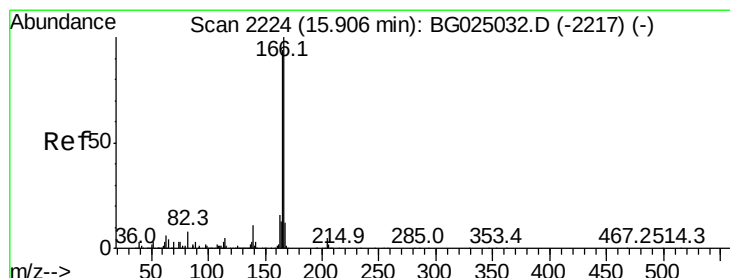
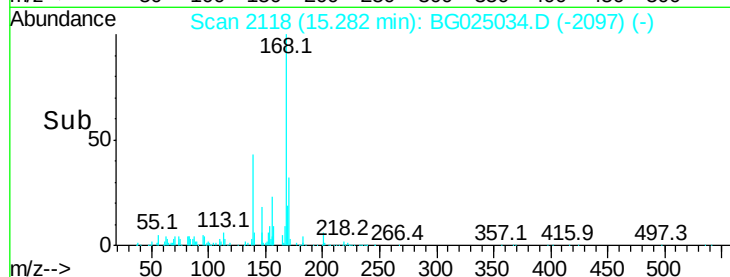
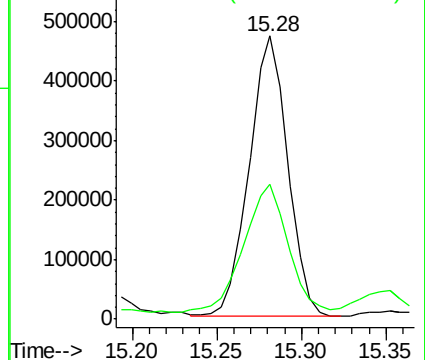
Manual Integrations
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 25.19 ng/ul

RT: 15.93 min Scan# 2228

Delta R.T. 0.02 min

Lab File: BG025034.D

Acq: 9 Dec 2016 11:29

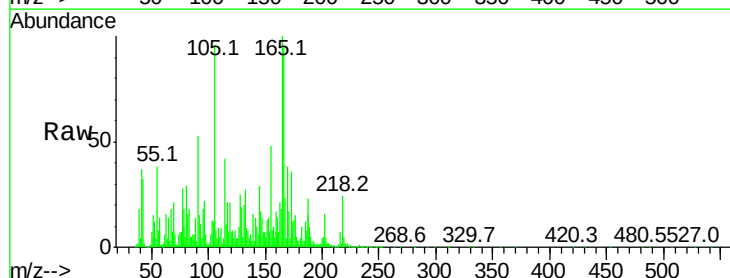
Tgt Ion:166 Resp: 747557

Ion Ratio Lower Upper

166 100

165 105.6 79.7 119.5

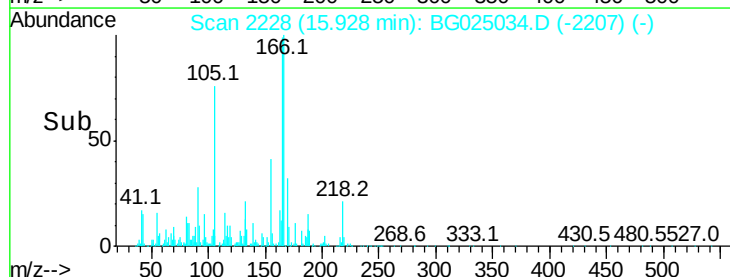
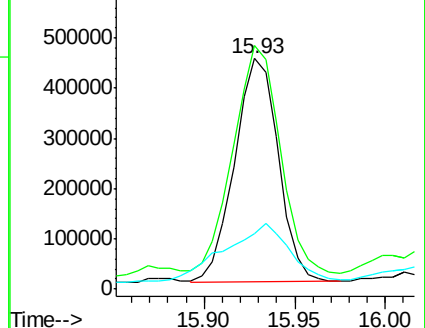
167 24.3 11.4 17.2#

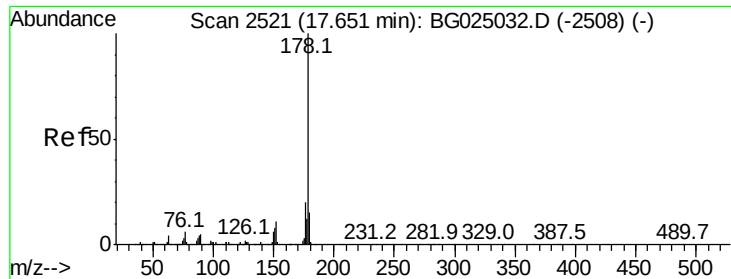


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 14.10 ng/ul

RT: 17.67 min Scan# 2525

Delta R.T. 0.02 min

Lab File: BG025034.D

Acq: 9 Dec 2016 11:29

Instrument :

BNA_G

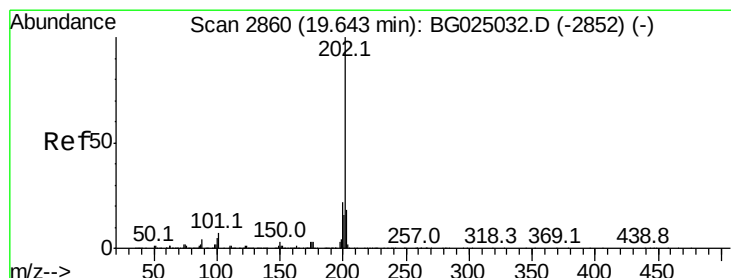
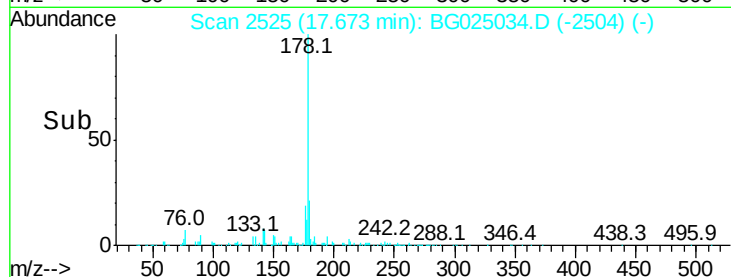
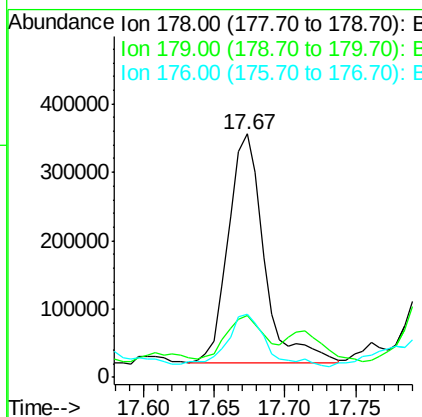
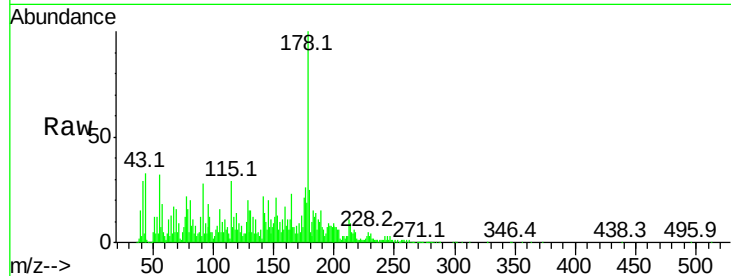
ClientSampleId :

DA7Y1

Tot Ion	Ratio	Lower	Upper
178	100		
179	25.3	12.4	18.6#
176	26.1	16.5	24.7#

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#74

Fluoranthene

Concen: 8.09 ng/ul

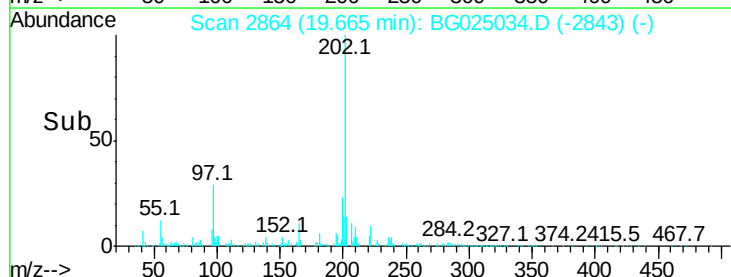
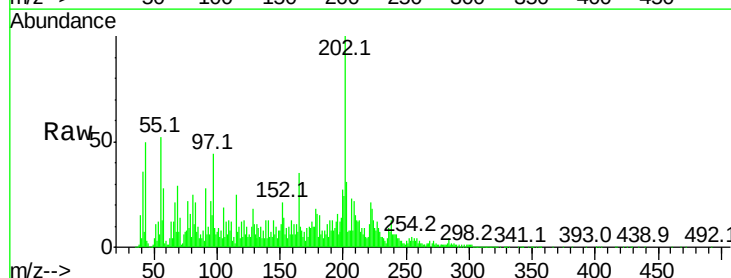
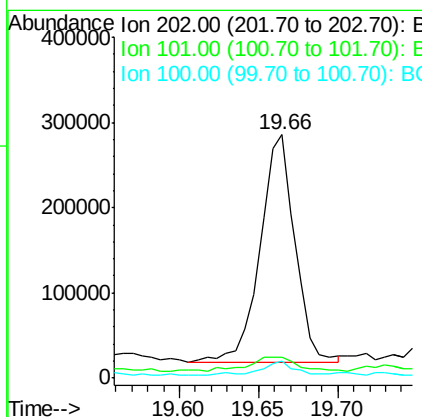
RT: 19.66 min Scan# 2864

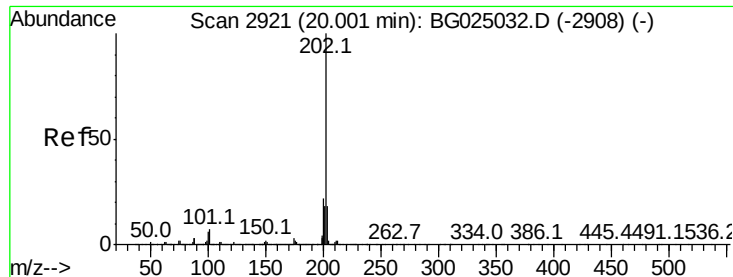
Delta R.T. 0.02 min

Lab File: BG025034.D

Acq: 9 Dec 2016 11:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.6	6.2	9.2
100	6.8	5.2	7.8





#77

Pvrene

Concen: 10.78 ng/ul

RT: 20.02 min Scan# 2925

Delta R.T. 0.02 min

Lab File: BG025034.D

Acq: 9 Dec 2016 11:29

Instrument :

BNA_G

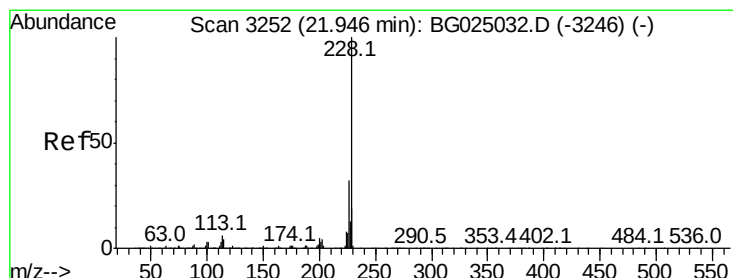
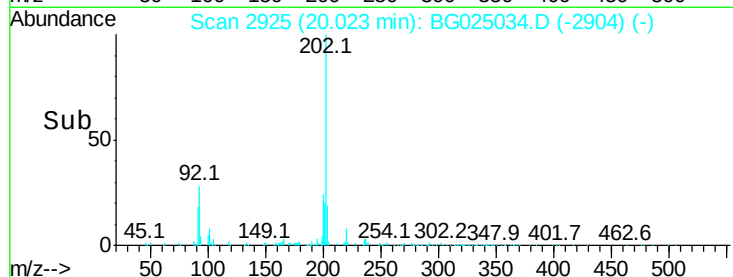
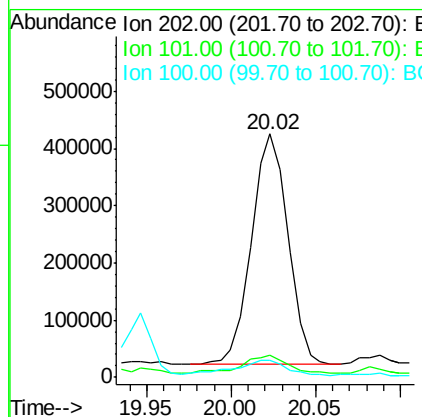
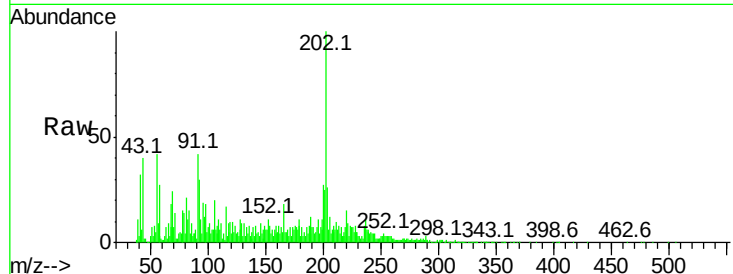
ClientSampleId :

DA7Y1

Tot Ion:	202	Resp:	604373
Ion Ratio	Lower	Upper	
202	100		
101	9.1	6.9	10.3
100	6.8	6.6	10.0

Manual Integrations
APPROVED

Sohil
12/12/2016 4:28:05 PM



#82

Chrysene

Concen: 2.81 ng/ul

RT: 21.97 min Scan# 3256

Delta R.T. 0.02 min

Lab File: BG025034.D

Acq: 9 Dec 2016 11:29

Tgt Ion:	228	Resp:	159140
Ion Ratio	Lower	Upper	
228	100		
226	41.3	24.0	36.0#
229	44.9	16.9	25.3#

