

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120916\
 Data File : BG025035.D
 Acq On : 9 Dec 2016 12:09
 Operator : UM/SJ
 Sample : H5863-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA7Y2

Manual Integrations
 APPROVED

Sohil
 12/12/2016 4:28:07 PM

Quant Time: Dec 12 01:33:00 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	126691	20.00	ng/ul	0.01
18) Naphthalene-d8	11.10	136	544770	20.00	ng/ul	0.03
35) Acenaphthene-d10	14.92	164	492488	20.00	ng/ul	0.06
61) Phenanthrene-d10	17.64	188	713492	20.00	ng/ul	0.04
75) Chrysene-d12	21.92	240	950134	20.00	ng/ul	0.02
83) Perylene-d12	25.35	264	1016039m	20.00	ng/ul	0.04

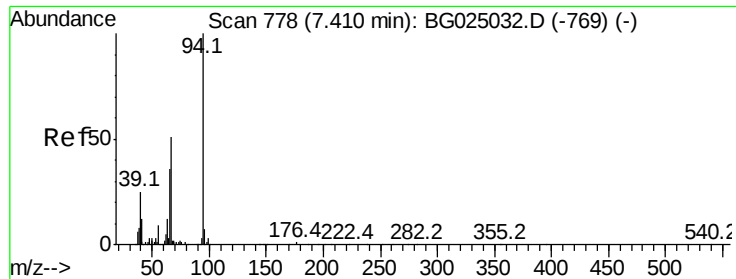
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	68885	28.08	ng/uL	0.00
5) Phenol-d5	7.41	99	240971	22.05	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.57	67	176687	26.13	ng/ul	0.01
9) 2-Chlorophenol-d4	7.79	132	177378	23.21	ng/ul	0.02
13) 4-Methylphenol-d8	8.98	113	216740m	23.73	ng/ul	0.05
19) Nitrobenzene-d5	9.45	128	120907	31.34	ng/ul	0.03
22) 2-Nitrophenol-d4	10.17	143	116795	24.29	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.75	165	226990	24.54	ng/ul	0.06
29) 4-Chloroaniline-d4	11.25	131	962209	105.86	ng/ul	0.04
43) Dimethylphthalate-d6	14.35	166	830277	24.51	ng/ul	0.09
46) Acenaphthylene-d8	14.62	160	1025015	27.62	ng/ul	0.06
51) 4-Nitrophenol-d4	15.13	143	163953	28.16	ng/ul	0.08
57) Fluorene-d10	15.90	176	872473	27.36	ng/ul	0.05
62) 4,6-Dinitro-2-methylphenol	16.04	200	256739	58.20	ng/ul	0.08
70) Anthracene-d10	17.74	188	898863	29.85	ng/ul	0.03
76) Pyrene-d10	19.99	212	1041741	26.62	ng/ul	0.02
87) Benzo(a)pyrene-d12	25.11	264	1124986	27.33	ng/ul	0.04

Target Compounds

						Ovalue
6) Phenol	7.44	94	1763302	157.18	ng/ul#	91
11) 2-Methylphenol	8.72	108	4027781	487.63	ng/ul	97
14) Acetophenone	9.05	105	2332035m	167.77	ng/ul	
16) 4-Methylphenol	9.09	108	6857221m	746.22	ng/ul	
24) 2,4-Dimethylphenol	10.31	107	12423860m	1113.63	ng/ul	
28) Naphthalene	11.16	128	6921164	273.31	ng/ul#	61
34) 2-Methylnaphthalene	12.79	142	10406975	520.76	ng/ul#	80
40) 1,1'-Biophenyl	13.76	154	3570270	119.57	ng/ul#	81
49) Acenaphthene	14.99	153	1168902	47.30	ng/ul#	85
53) Dibenzofuran	15.32	168	2471413	63.23	ng/ul	91
58) Fluorene	15.96	166	2393896	75.23	ng/ul#	94
69) Phenanthrene	17.69	178	1041267	30.58	ng/ul#	86
71) Anthracene	17.77	178	283356	8.09	ng/ul#	74
74) Fluoranthene	19.67	202	132636	3.28	ng/ul#	94
77) Pyrene	20.02	202	181431	3.97	ng/ul#	95

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



#6

Phenol

Concen: 157.18 ng/ul

RT: 7.44 min Scan# 784

Delta R.T. 0.03 min

Lab File: BG025035.D

Acq: 9 Dec 2016 12:09

Instrument :

BNA_G

ClientSampled :

DA7Y2

Tot Ion: 94 Resp: 1763302

Ion Ratio Lower Upper

94 100

65 42.8 26.8 40.2#

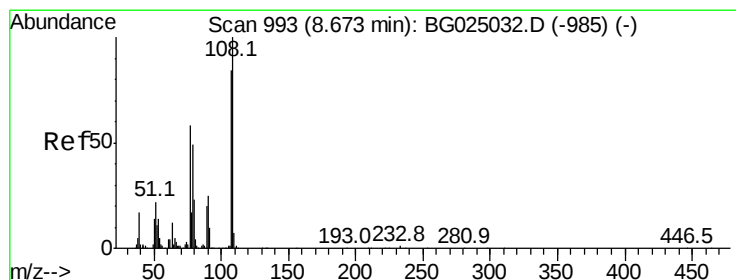
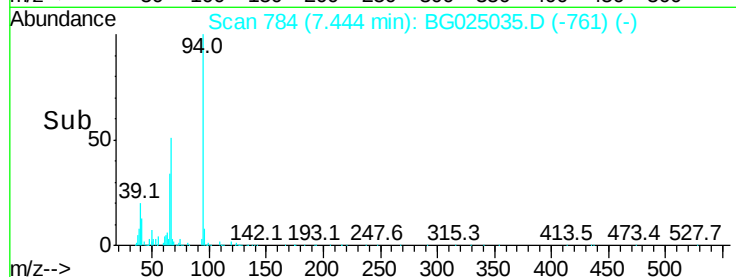
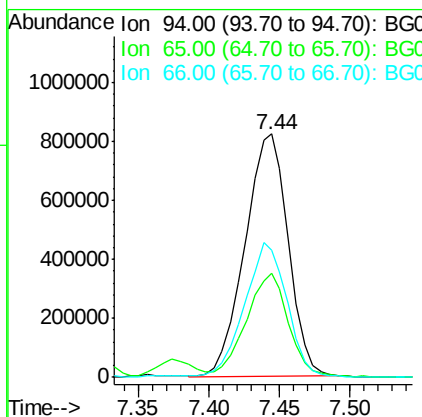
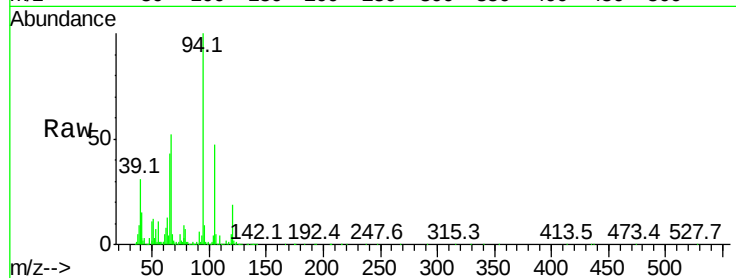
66 52.0 44.4 66.6

Manual Integrations

APPROVED

Sohil

12/12/2016 4:28:07 PM



#11

2-Methylphenol

Concen: 487.63 ng/ul

RT: 8.72 min Scan# 1001

Delta R.T. 0.05 min

Lab File: BG025035.D

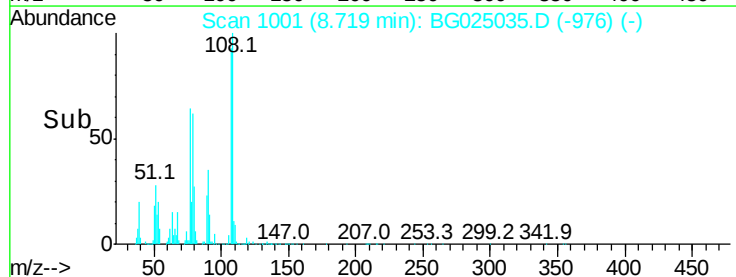
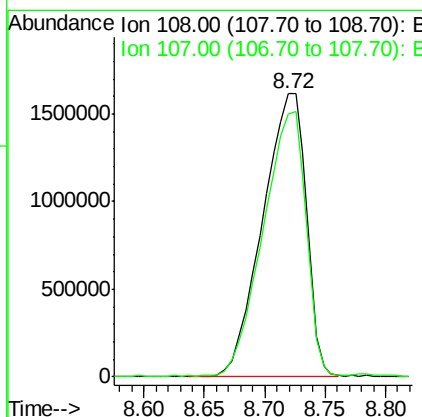
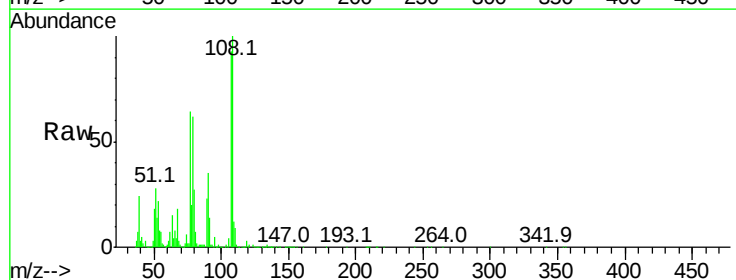
Acq: 9 Dec 2016 12:09

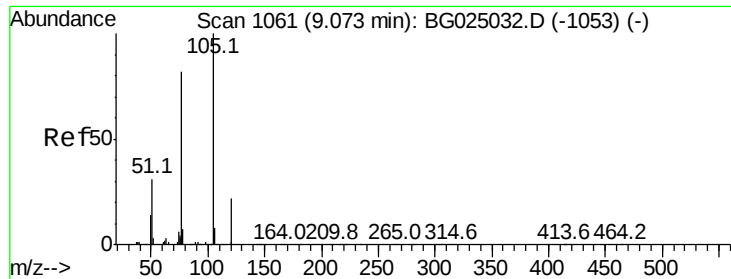
Tgt Ion:108 Resp: 4027781

Ion Ratio Lower Upper

108 100

107 93.0 76.7 115.1





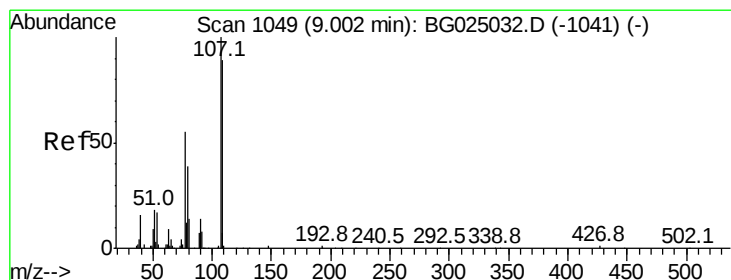
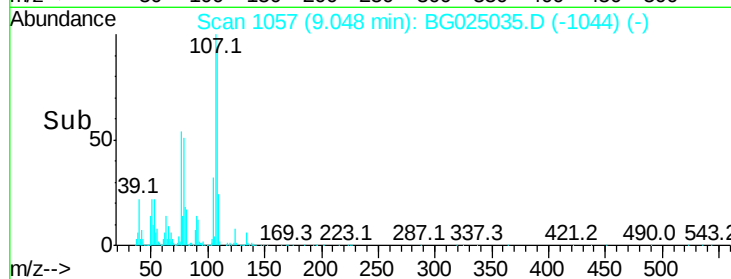
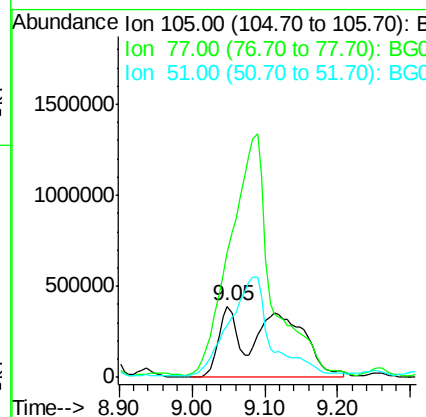
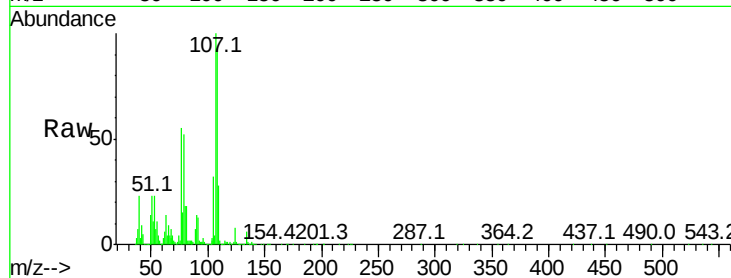
#14
Acetophenone
Concen: 167.77 ng/ul m
RT: 9.05 min Scan# 1057
Delta R.T. -0.02 min
Lab File: BG025035.D
Acq: 9 Dec 2016 12:09

Instrument :
BNA_G
ClientSampleId :
DA7Y2

Tot Ion	Ratio	Lower	Upper
105	100		
77	174.5	76.0	114.0#
51	73.1	34.8	52.2#

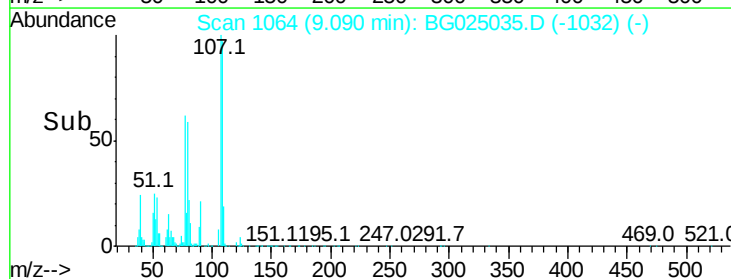
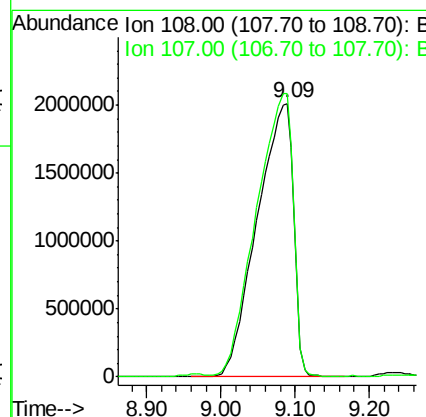
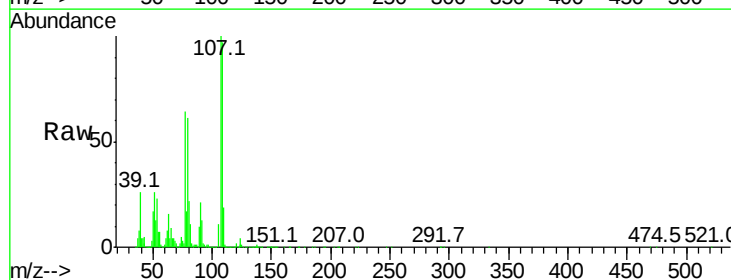
Manual Integrations
APPROVED

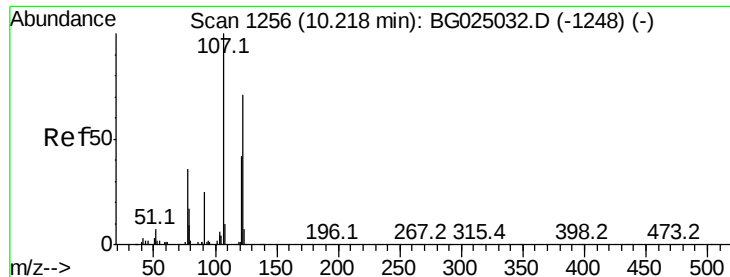
Sohil
12/12/2016 4:28:07 PM



#16
4-Methylphenol
Concen: 746.22 ng/ul m
RT: 9.09 min Scan# 1064
Delta R.T. 0.09 min
Lab File: BG025035.D
Acq: 9 Dec 2016 12:09

Tgt Ion	Ratio	Lower	Upper
108	100		
107	103.4	91.7	137.5





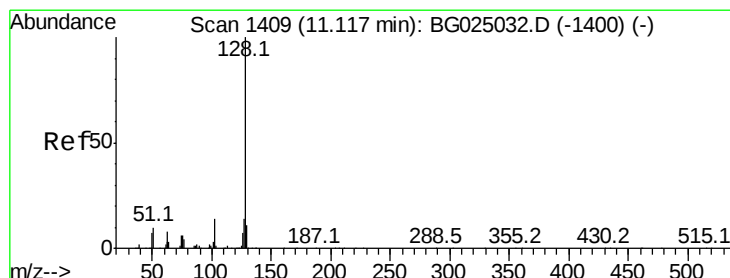
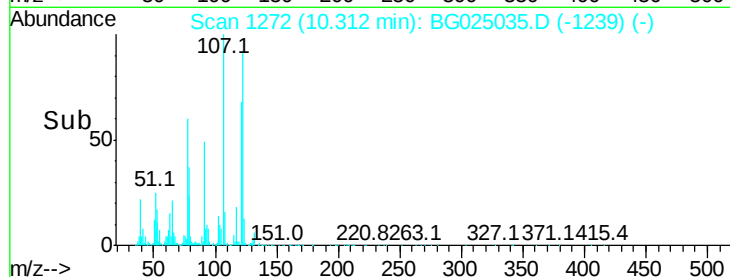
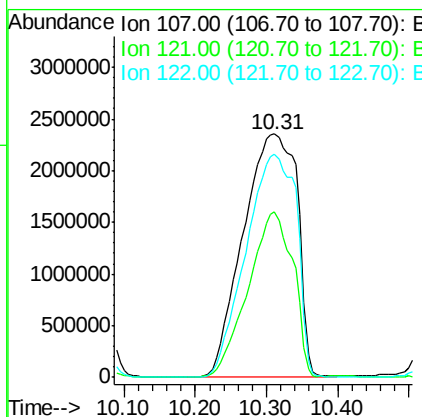
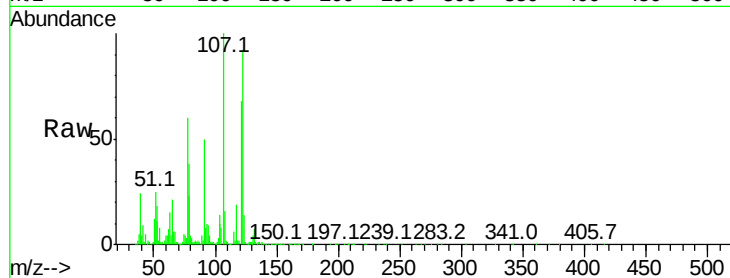
#24
2,4-Dimethylphenol
Concen: 1113.63 ng/ul m
RT: 10.31 min Scan# 1272
Delta R.T. 0.09 min
Lab File: BG025035.D
Acq: 9 Dec 2016 12:09

Instrument :
BNA_G
ClientSampleId :
DA7Y2

Tot Ion:107 Resp:12423860
Ion Ratio Lower Upper
107 100
121 67.9 32.3 48.5#
122 91.7 61.2 91.8

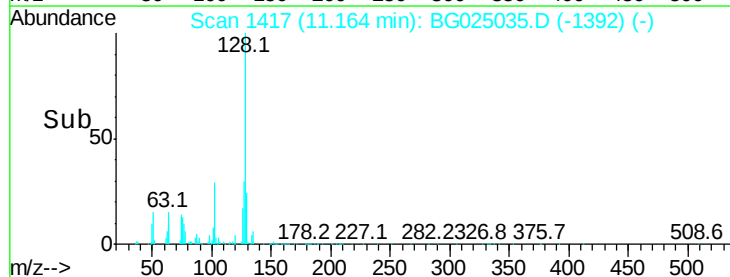
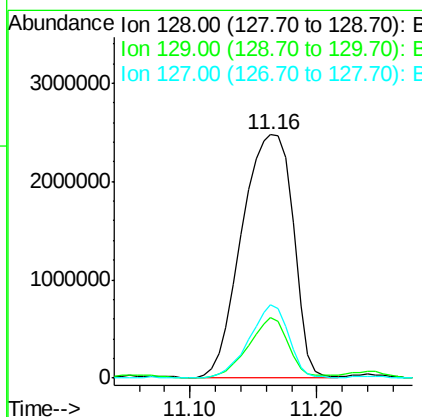
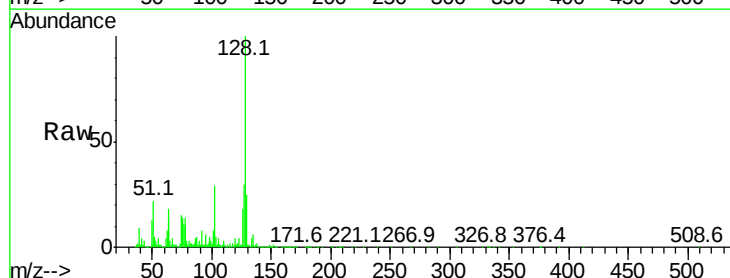
Manual Integrations
APPROVED

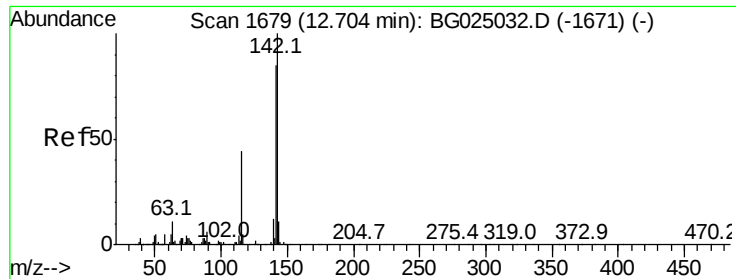
Sohil
12/12/2016 4:28:07 PM



#28
Naphthalene
Concen: 273.31 ng/ul
RT: 11.16 min Scan# 1417
Delta R.T. 0.05 min
Lab File: BG025035.D
Acq: 9 Dec 2016 12:09

Tgt Ion:128 Resp: 6921164
Ion Ratio Lower Upper
128 100
129 24.9 9.4 14.2#
127 30.3 10.3 15.5#





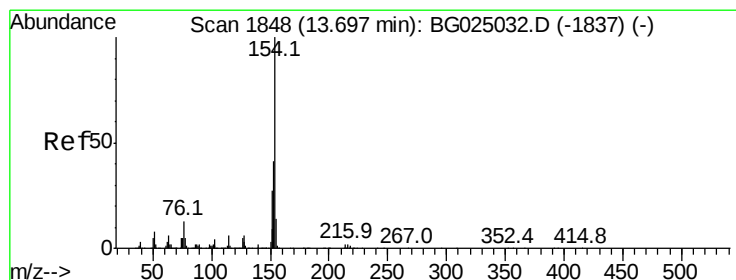
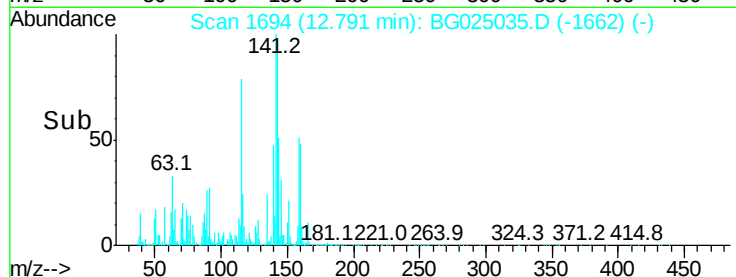
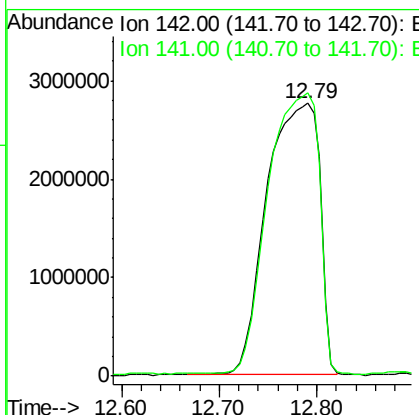
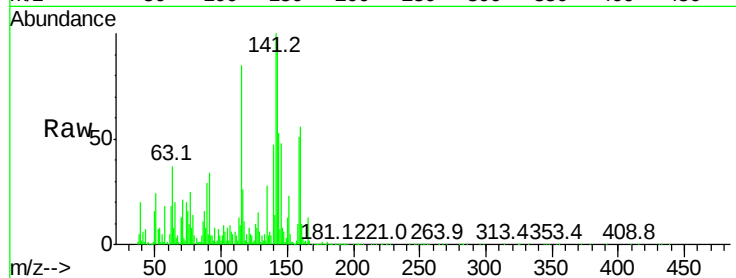
#34
2-Methylnaphthalene
Concen: 520.76 ng/ul
RT: 12.79 min Scan# 1694
Delta R.T. 0.09 min
Lab File: BG025035.D
Acq: 9 Dec 2016 12:09

Instrument :
BNA_G
ClientSampleId :
DA7Y2

Tot Ion:142 Resp:10406975
Ion Ratio Lower Upper
142 100
141 103.7 68.6 102.8#

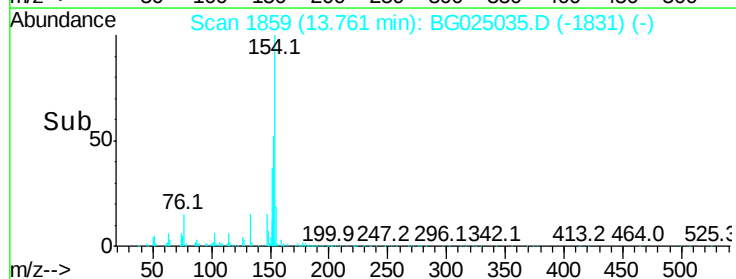
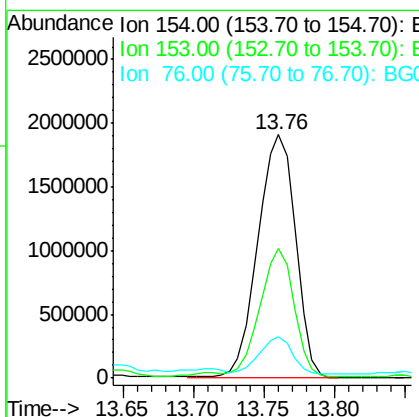
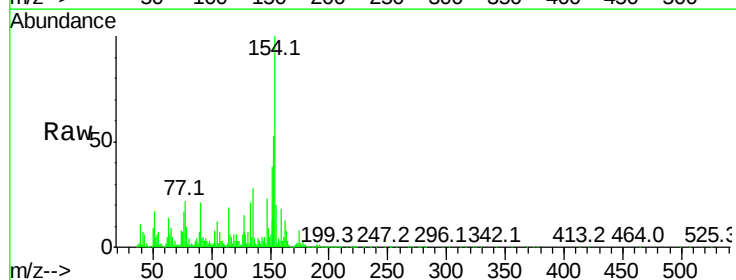
Manual Integrations
APPROVED

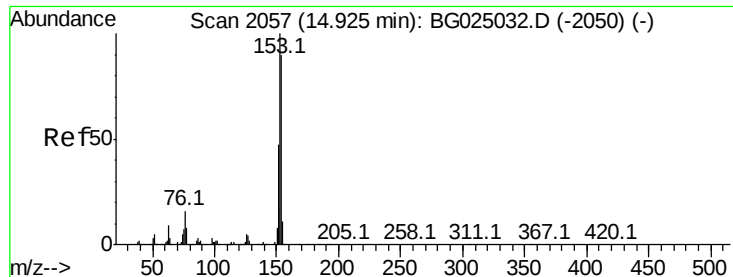
Sohil
12/12/2016 4:28:07 PM



#40
1,1'-Biphenyl
Concen: 119.57 ng/ul
RT: 13.76 min Scan# 1859
Delta R.T. 0.06 min
Lab File: BG025035.D
Acq: 9 Dec 2016 12:09

Tgt Ion:154 Resp: 3570270
Ion Ratio Lower Upper
154 100
153 53.1 32.2 48.2#
76 17.0 9.6 14.4#





#49

Acenaphthene

Concen: 47.30 ng/ul

RT: 14.99 min Scan# 2068

Delta R.T. 0.06 min

Lab File: BG025035.D

Acq: 9 Dec 2016 12:09

Instrument :

BNA_G

ClientSampleId :

DA7Y2

Tot Ion:153 Resp: 1168902

Ion Ratio Lower Upper

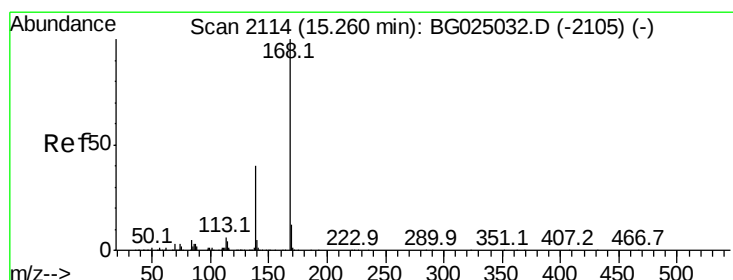
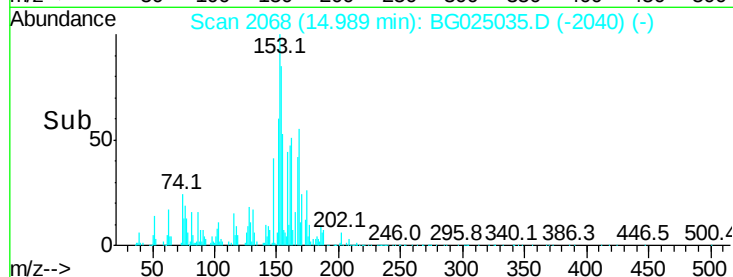
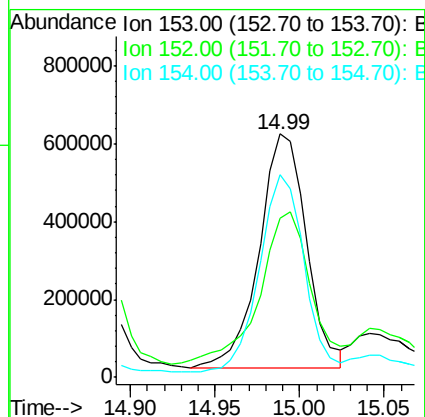
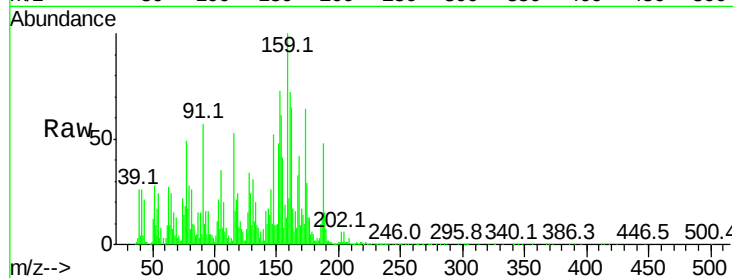
153 100

152 65.1 36.5 54.7#

154 83.2 72.3 108.5

Manual Integrations
APPROVED

Sohil
12/12/2016 4:28:07 PM



#53

Dibenzofuran

Concen: 63.23 ng/ul

RT: 15.32 min Scan# 2124

Delta R.T. 0.06 min

Lab File: BG025035.D

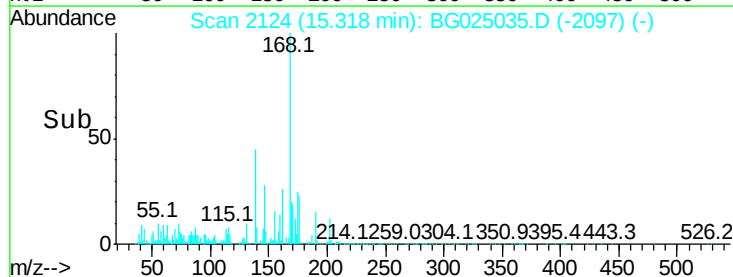
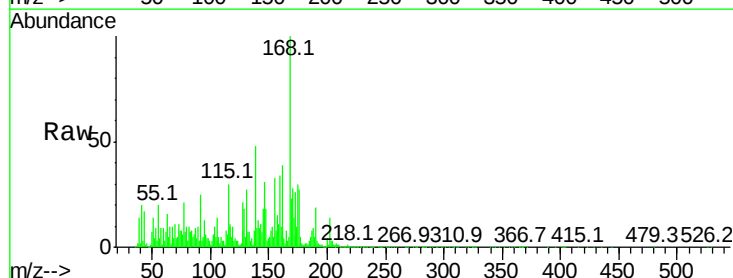
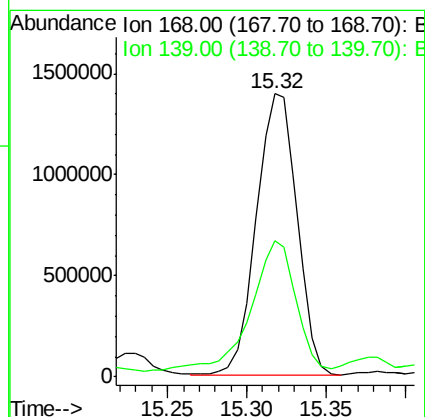
Acq: 9 Dec 2016 12:09

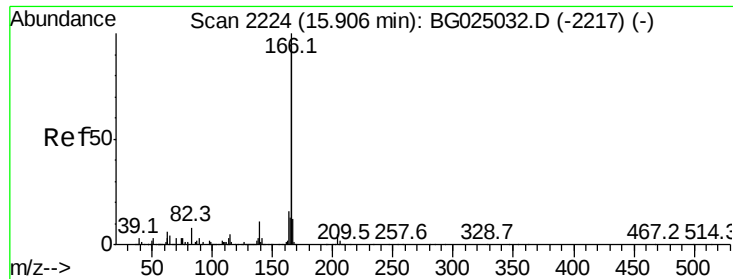
Tgt Ion:168 Resp: 2471413

Ion Ratio Lower Upper

168 100

139 47.9 33.8 50.8





#58

Fluorene

Concen: 75.23 ng/ul

RT: 15.96 min Scan# 2234

Delta R.T. 0.06 min

Lab File: BG025035.D

Acq: 9 Dec 2016 12:09

Instrument :

BNA_G

ClientSampleId :

DA7Y2

Tot Ion:166 Resp: 2393896

Ion	Ratio	Lower	Upper
166	100		
165	102.6	79.7	119.5
167	25.7	11.4	17.2#

166 100

165 102.6 79.7 119.5

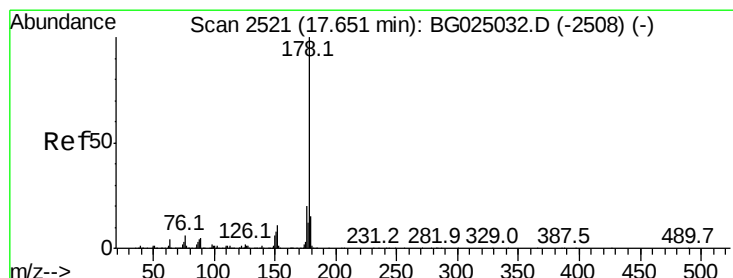
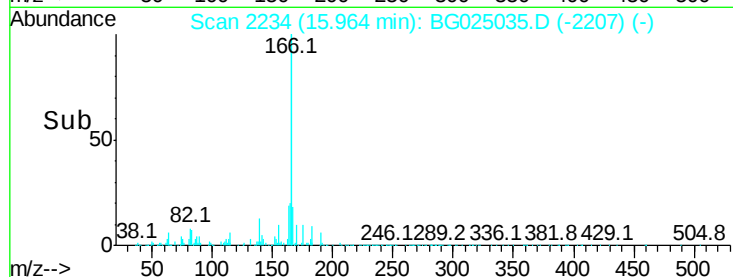
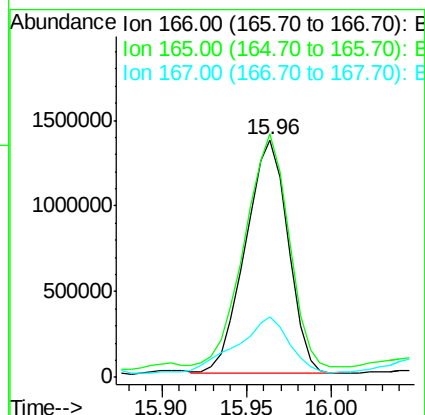
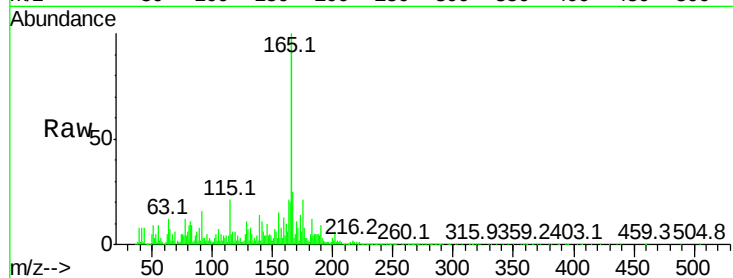
167 25.7 11.4 17.2#

Manual Integrations

APPROVED

Sohil

12/12/2016 4:28:07 PM



#69

Phenanthrene

Concen: 30.58 ng/ul

RT: 17.69 min Scan# 2527

Delta R.T. 0.03 min

Lab File: BG025035.D

Acq: 9 Dec 2016 12:09

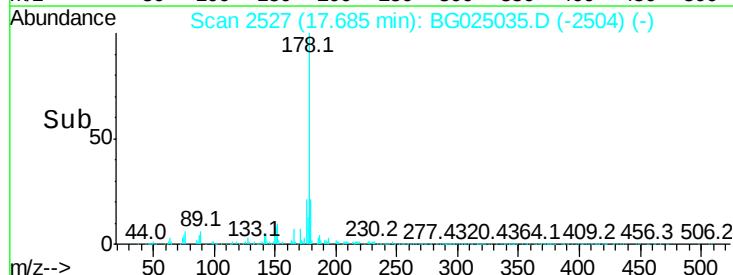
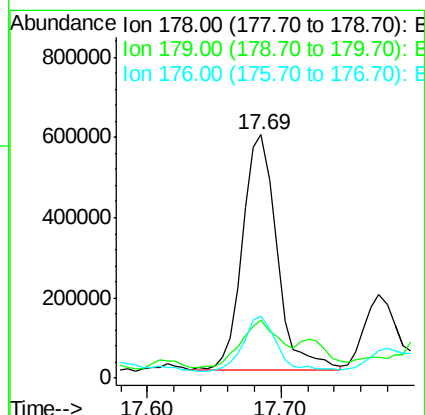
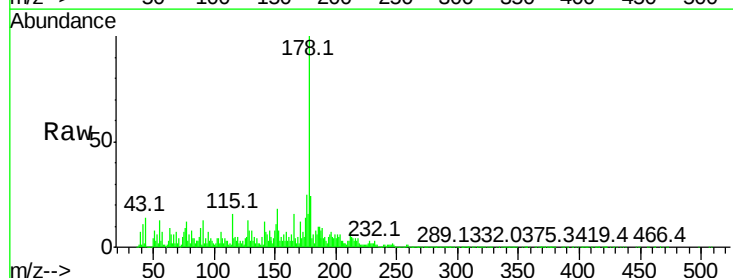
Tgt Ion:178 Resp: 1041267

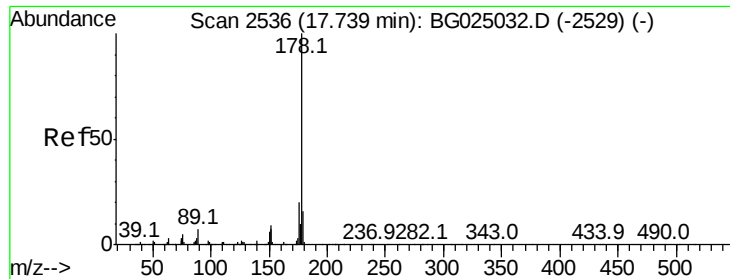
Ion	Ratio	Lower	Upper
178	100		
179	23.6	12.4	18.6#
176	25.3	16.5	24.7#

178 100

179 23.6 12.4 18.6#

176 25.3 16.5 24.7#





#71

Anthracene

Concen: 8.09 ng/ul

RT: 17.77 min Scan# 2542

Delta R.T. 0.03 min

Lab File: BG025035.D

Acq: 9 Dec 2016 12:09

Instrument :

BNA_G

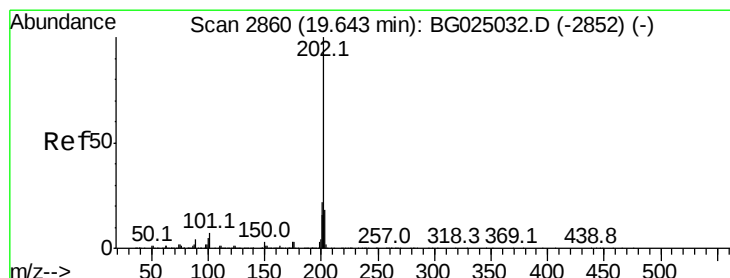
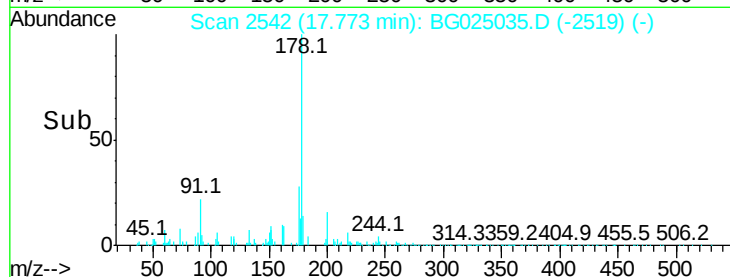
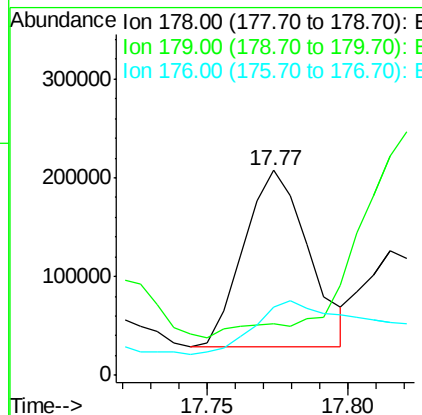
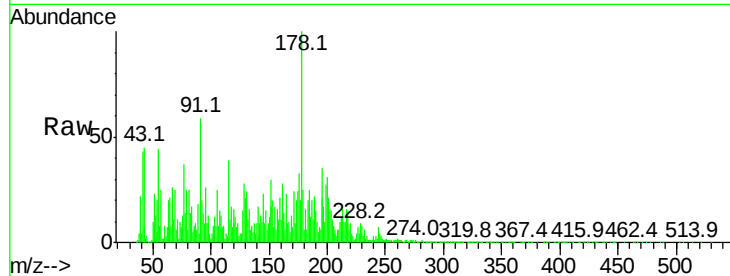
ClientSampleId :

DA7Y2

Tot Ion:	178	Resp:	283356
Ion Ratio	Lower	Upper	
178	100		
179	25.4	12.6	19.0#
176	33.1	15.9	23.9#

Manual Integrations
APPROVED

Sohil
12/12/2016 4:28:07 PM



#74

Fluoranthene

Concen: 3.28 ng/ul

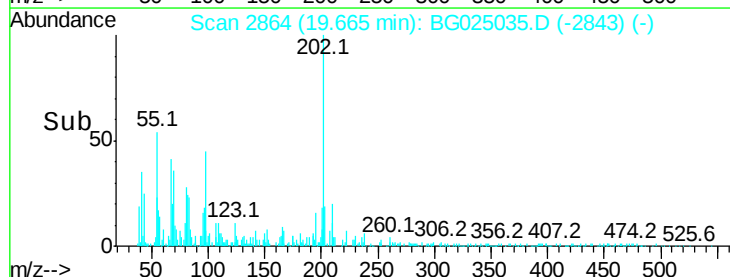
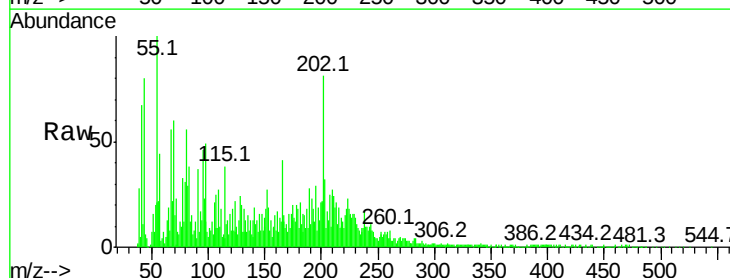
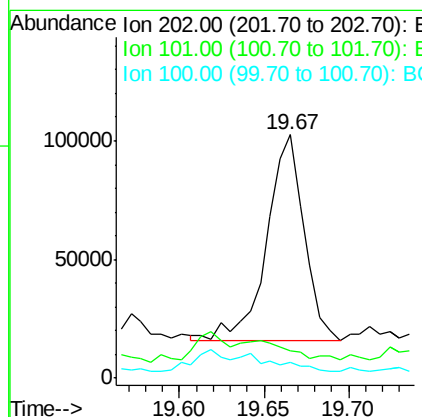
RT: 19.67 min Scan# 2864

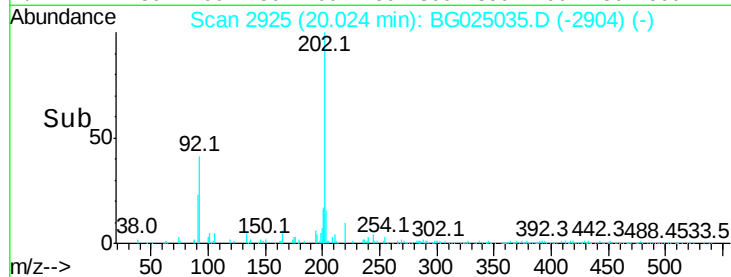
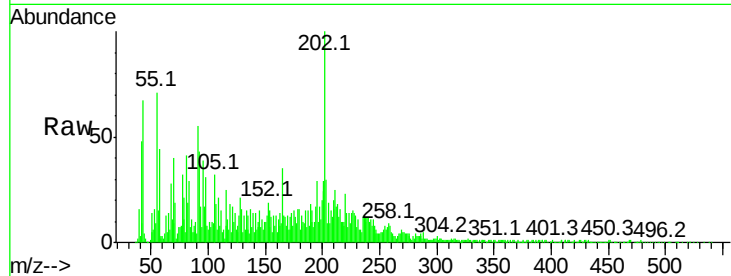
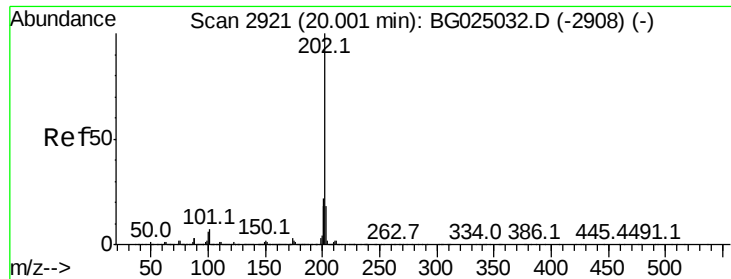
Delta R.T. 0.02 min

Lab File: BG025035.D

Acq: 9 Dec 2016 12:09

Tgt Ion:	202	Resp:	132636
Ion Ratio	Lower	Upper	
202	100		
101	11.4	6.2	9.2#
100	6.6	5.2	7.8





#77

Pvrene

Concen: 3.97 ng/ul

RT: 20.02 min Scan# 2925

Delta R.T. 0.02 min

Lab File: BG025035.D

Acq: 9 Dec 2016 12:09

Instrument :

BNA_G

ClientSampleId :

DA7Y2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.7	6.9	10.3
100	6.1	6.6	10.0

Manual Integrations
APPROVED

Sohil
12/12/2016 4:28:07 PM

