

Data Path : Z:\HPCHEM1\BNA G\DATA\BG070516\
 Data File : BG022860.D
 Acq On : 5 Jul 2016 21:26
 Operator : UM/SJ
 Sample : H3811-15
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4TW3

Manual Integrations

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 7/6/2016 7:17:28 PM

Quant Time: Jul 06 11:45:02 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 06 03:22:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	151922	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	697074	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.80	164	519969	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	1156183m	20.00	ng/ul	0.00
75) Chrysene-d12	21.85	240	1237941m	20.00	ng/ul	0.00
83) Perylene-d12	25.23	264	1291299	20.00	ng/ul	0.01

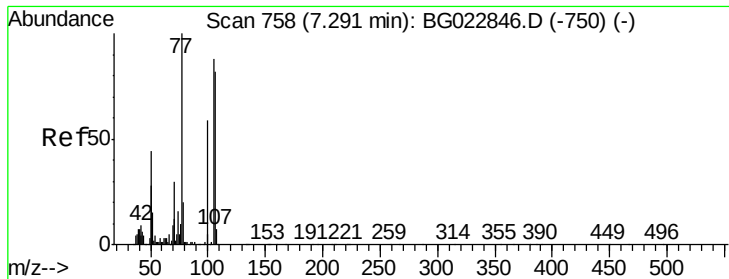
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	6426	2.36	ng/uL	0.00
5) Phenol-d5	7.31	99	391581	24.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	234793	26.06	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	262774	24.62	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	310126	24.98	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	141317	25.42	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	168739	25.17	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	342262	24.41	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	228021	19.21	ng/ul	0.00
43) Dimethylphthalate-d6	14.20	166	1097442	25.98	ng/ul	0.00
46) Acenaphthylene-d8	14.50	160	1272819	26.29	ng/ul	0.00
51) 4-Nitrophenol-d4	15.00	143	149370	22.52	ng/ul	0.00
57) Fluorene-d10	15.79	176	1041933	26.03	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.91	200	191408m	25.74	ng/ul	0.00
70) Anthracene-d10	17.65	188	1404900	26.14	ng/ul	0.00
76) Pyrene-d10	19.94	212	1649133m	27.89	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.99	264	1643517	26.79	ng/ul	0.00

Target Compounds

						Ovalue
4) Benzaldehyde	7.29	77	24329	2.39	ng/ul#	70
6) Phenol	7.33	94	22597	1.38	ng/ul#	59
44) Dimethylphthalate	14.24	163	332751	7.71	ng/ul	98
69) Phenanthrene	17.60	178	362140m	6.12	ng/ul	
71) Anthracene	17.69	178	62500	1.03	ng/ul	95
74) Fluoranthene	19.60	202	627148m	10.18	ng/ul	
77) Pyrene	19.96	202	876973m	12.65	ng/ul	
80) Benzo(a)anthracene	21.83	228	482104m	6.64	ng/ul	
81) Bis(2-ethylhexyl)phthalate	21.72	149	72996m	2.10	ng/ul	
82) Chrysene	21.90	228	529440	8.01	ng/ul	98
85) Benzo(b)fluoranthene	24.16	252	436075	5.40	ng/ul#	92
86) Benzo(k)fluoranthene	24.21	252	155258m	2.05	ng/ul	
88) Benzo(a)pyrene	25.07	252	376972	4.92	ng/ul#	91
89) Indeno(1,2,3-cd)pyrene	29.08	276	210005m	2.59	ng/ul	
90) Dibenzo(a,h)anthracene	29.13	278	72037m	1.07	ng/ul	
91) Benzo(g,h,i)perylene	30.27	276	181325	2.85	ng/ul#	77

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



#4

Benzaldehyde

Concen: 2.39 ng/ul

RT: 7.29 min Scan# 758

Delta R.T. 0.00 min

Lab File: BG022860.D

Acq: 5 Jul 2016 21:26

Instrument :

BNA_G

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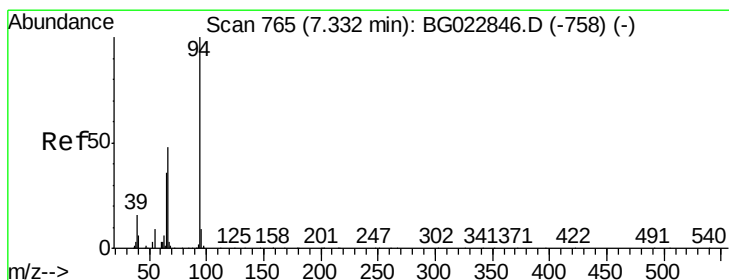
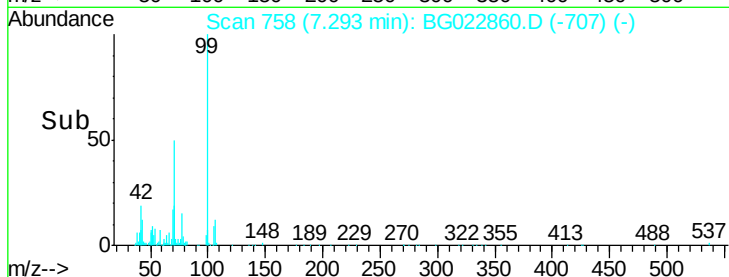
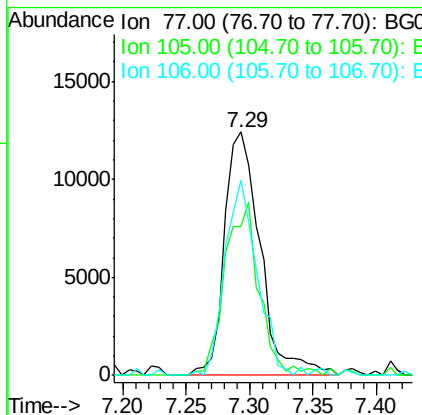
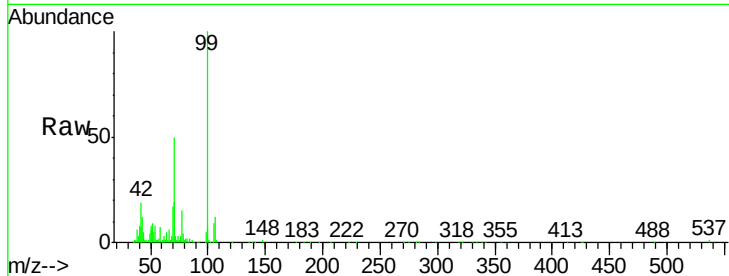
A4TW3

Tot Ion	77	Resp	24329
Ion Ratio	100	Lower	Upper
77	100		
105	61.3	83.8	125.8#
106	80.0	77.9	116.9

Manual Integrations

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#6

Phenol

Concen: 1.38 ng/ul

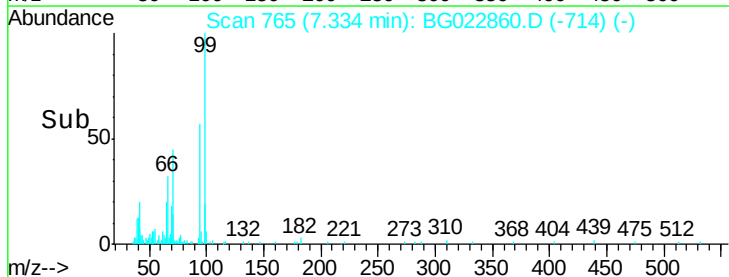
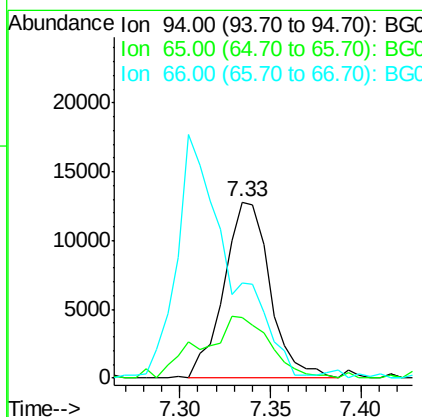
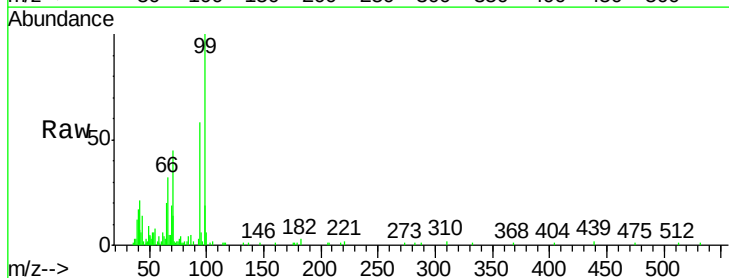
RT: 7.33 min Scan# 765

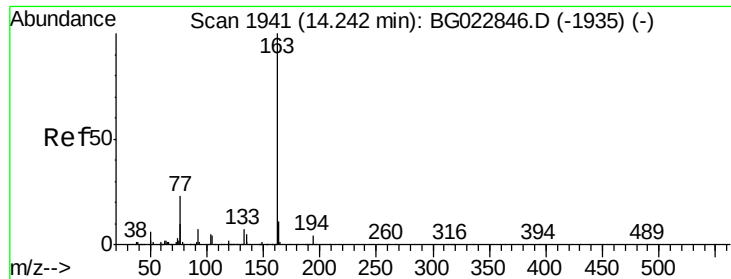
Delta R.T. 0.00 min

Lab File: BG022860.D

Acq: 5 Jul 2016 21:26

Tgt Ion	94	Resp	22597
Ion Ratio	100	Lower	Upper
94	100		
65	34.7	16.8	25.2#
66	54.2	22.6	33.8#





#44

Dimethylphthalate

Concen: 7.71 ng/ul

RT: 14.24 min Scan# 1941

Delta R.T. 0.00 min

Lab File: BG022860.D

Acq: 5 Jul 2016 21:26

Instrument :

BNA_G

ClientSampleId :

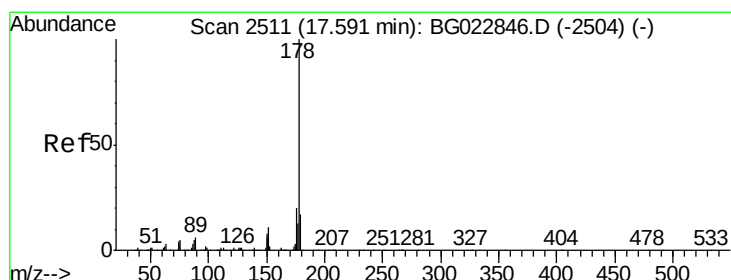
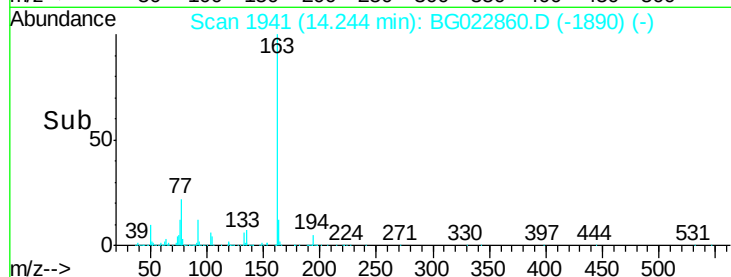
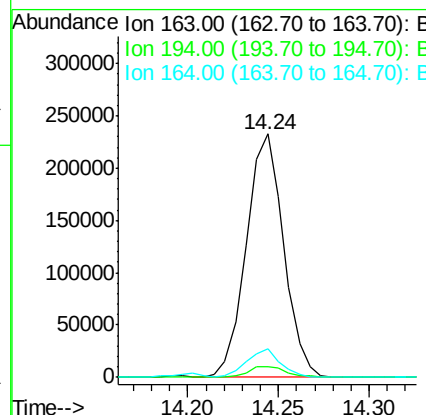
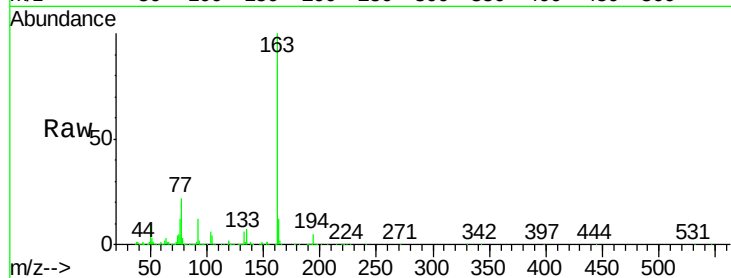
A4TW3

Tot Ion:	163	Resp:	332751
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.4	5.2
164	12.0	8.8	13.2

Manual Integrations

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#69

Phenanthrene

Concen: 6.12 ng/ul m

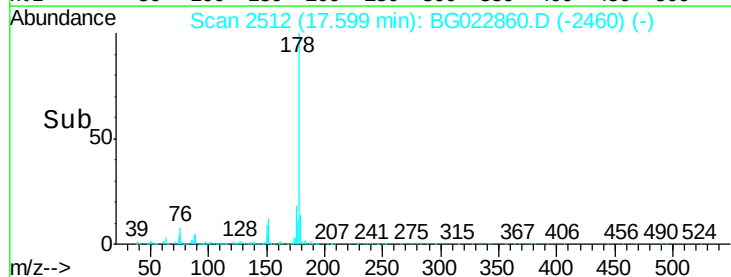
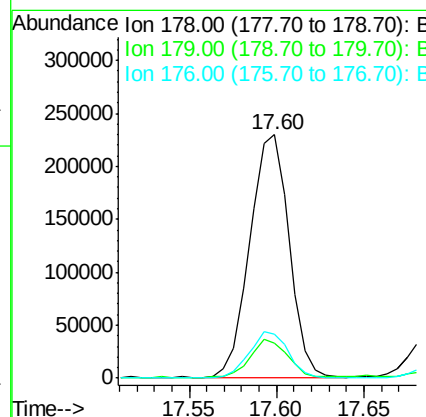
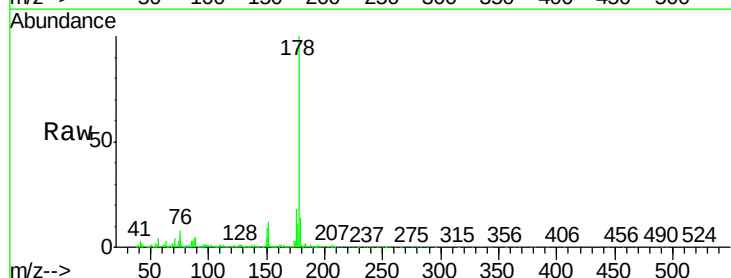
RT: 17.60 min Scan# 2512

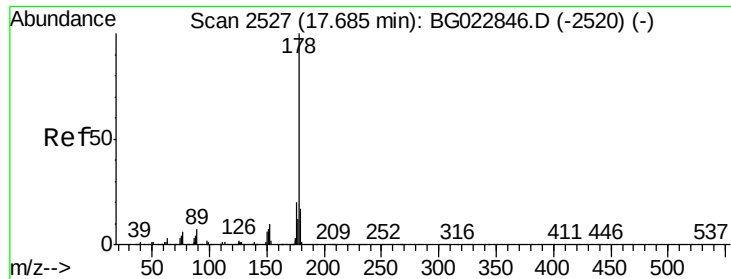
Delta R.T. 0.01 min

Lab File: BG022860.D

Acq: 5 Jul 2016 21:26

Tgt Ion:	178	Resp:	362140
Ion Ratio	Lower	Upper	
178	100		
179	14.3	12.9	19.3
176	18.2	15.8	23.8





#71

Anthracene

Concen: 1.03 ng/ul

RT: 17.69 min Scan# 2527

Delta R.T. 0.00 min

Lab File: BG022860.D

Acq: 5 Jul 2016 21:26

Instrument :

BNA_G

ClientSampleId :

A4TW3

Tot Ion:178 Resp: 62500

Ion Ratio Lower Upper

178 100

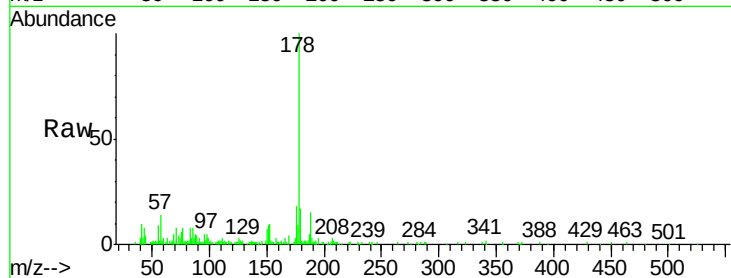
179 16.5 12.3 18.5

176 17.6 16.3 24.5

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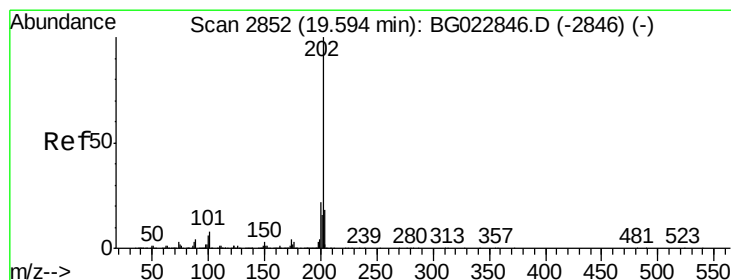
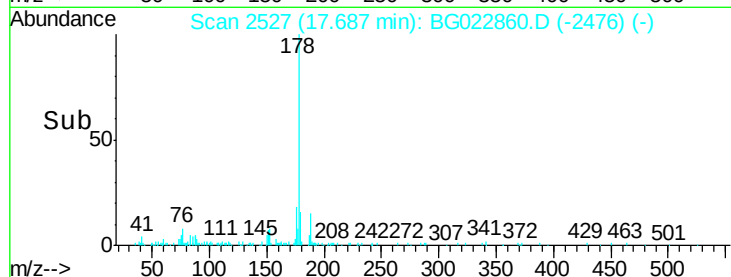
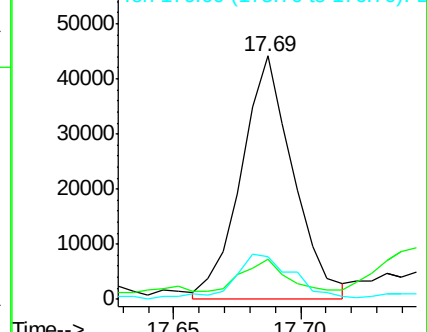
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#74

Fluoranthene

Concen: 10.18 ng/ul m

RT: 19.60 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BG022860.D

Acq: 5 Jul 2016 21:26

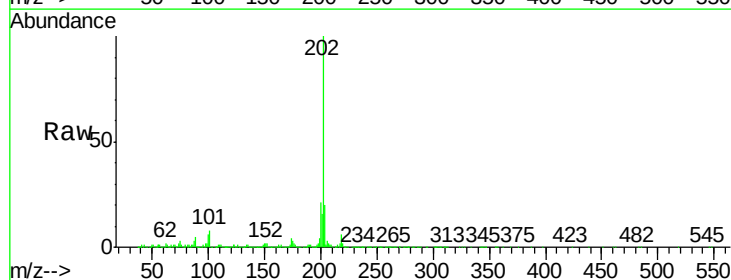
Tgt Ion:202 Resp: 627148

Ion Ratio Lower Upper

202 100

101 7.7 10.6 16.0#

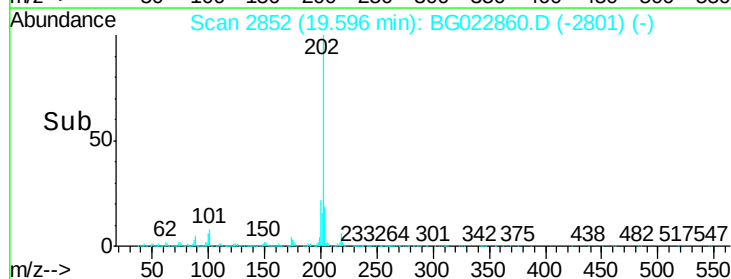
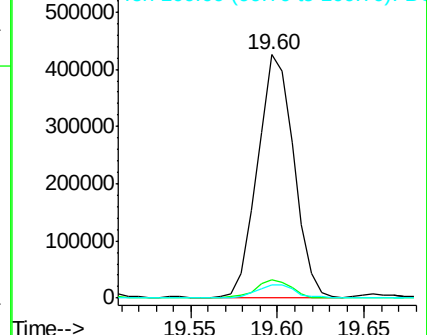
100 5.6 8.7 13.1#

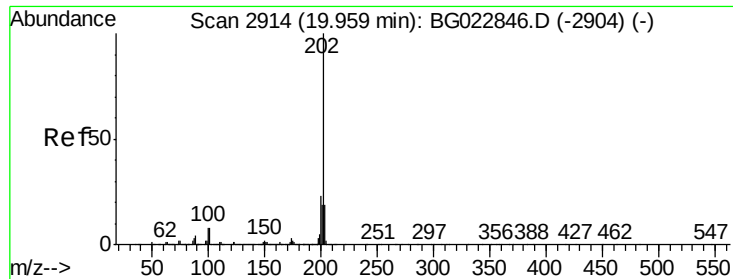


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 12.65 ng/ul m

RT: 19.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: BG022860.D

Acq: 5 Jul 2016 21:26

Instrument :

BNA_G

ClientSampleId :

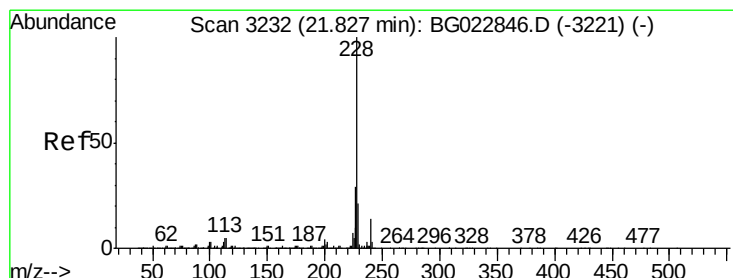
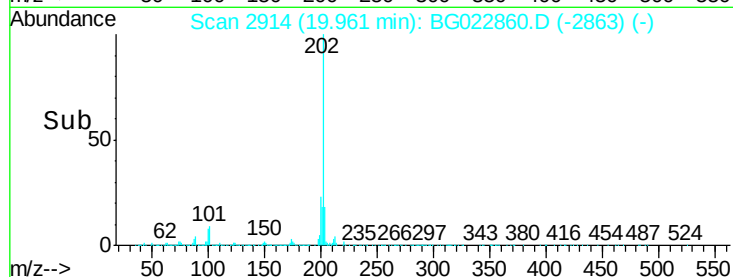
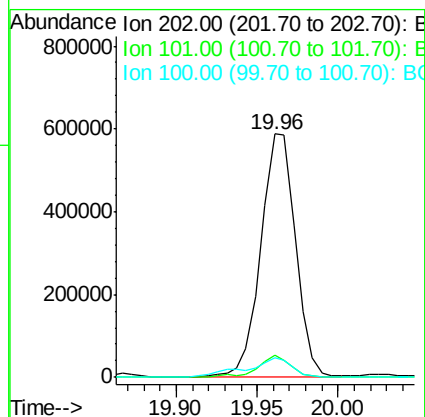
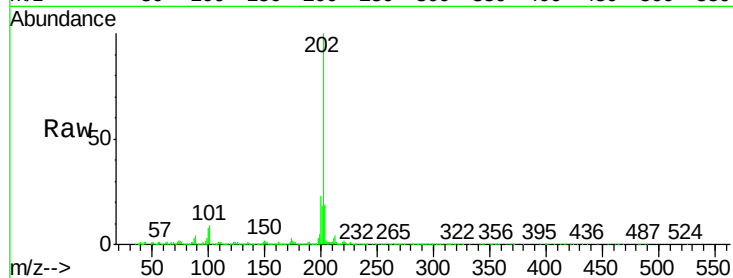
A4TW3

Tot Ion:	202	Resp:	876973
Ion Ratio	Lower	Upper	
202	100		
101	8.9	12.5	18.7#
100	7.9	10.2	15.4#

Manual Integrations

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#80

Benzo(a)anthracene

Concen: 6.64 ng/ul m

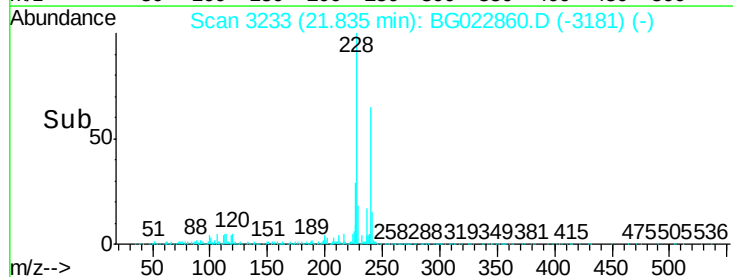
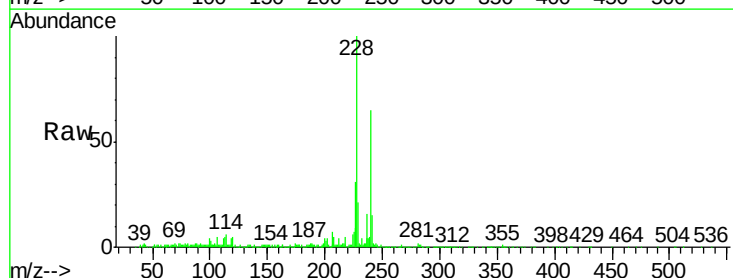
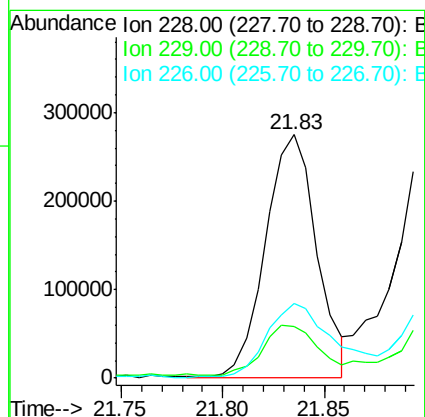
RT: 21.83 min Scan# 3233

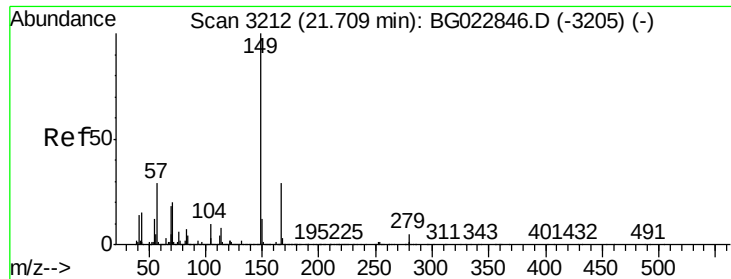
Delta R.T. 0.01 min

Lab File: BG022860.D

Acq: 5 Jul 2016 21:26

Tgt Ion:	228	Resp:	482104
Ion Ratio	Lower	Upper	
228	100		
229	21.4	15.4	23.2
226	30.6	22.8	34.2





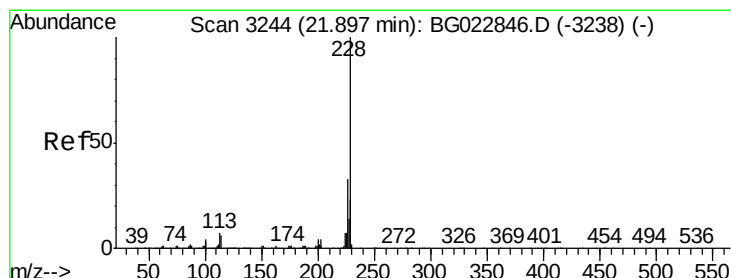
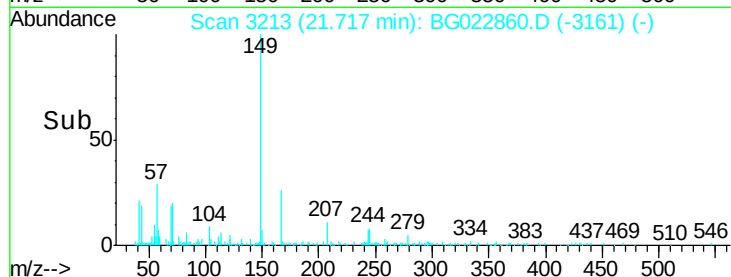
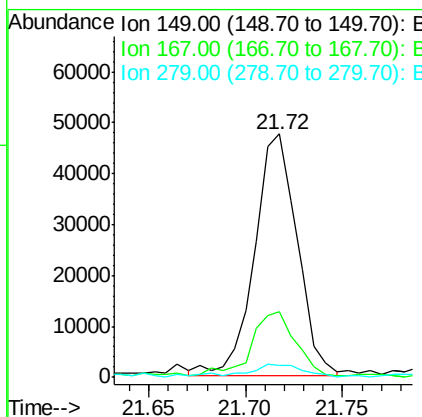
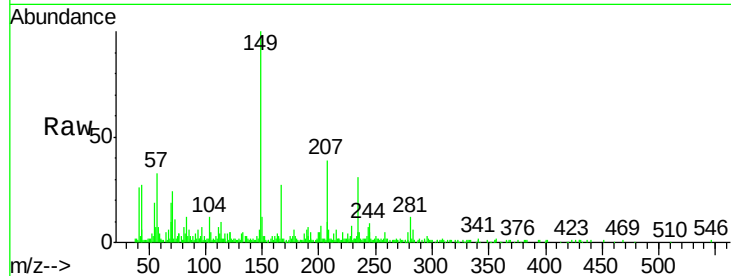
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 2.10 ng/ul m
 RT: 21.72 min Scan# 3213
 Delta R.T. 0.01 min
 Lab File: BG022860.D
 Acq: 5 Jul 2016 21:26

Instrument :
 BNA_G
 ClientSampleId :
 A4TW3

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.9	32.9
279	4.8	2.9	4.3#

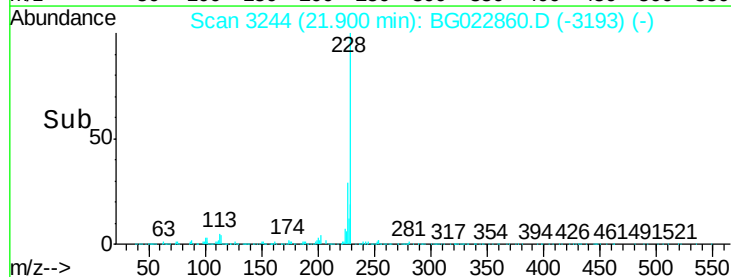
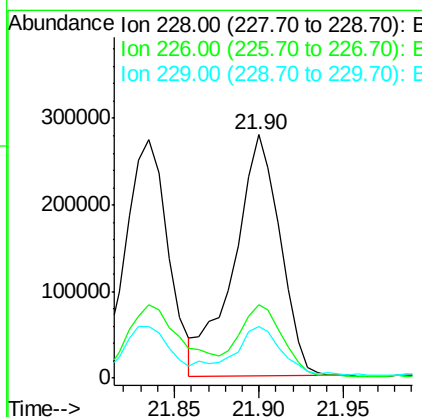
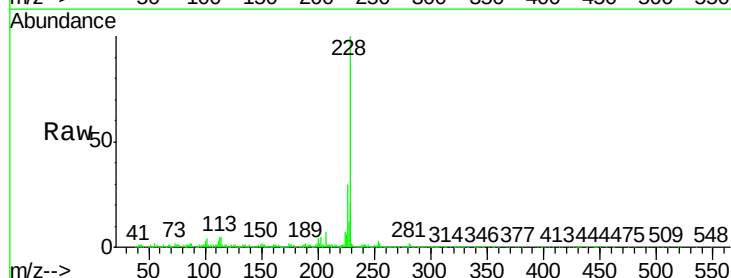
Manual Integrations

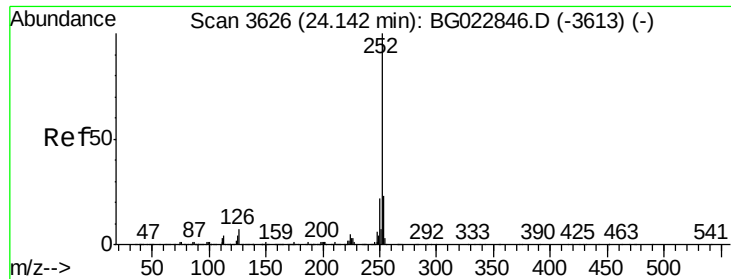
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#82
 Chrysene
 Concen: 8.01 ng/ul
 RT: 21.90 min Scan# 3244
 Delta R.T. 0.00 min
 Lab File: BG022860.D
 Acq: 5 Jul 2016 21:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.4
229	21.0	15.0	22.6





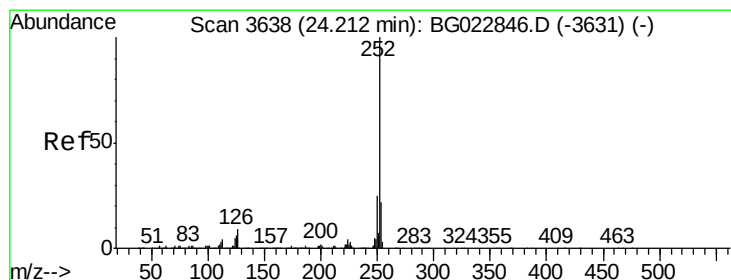
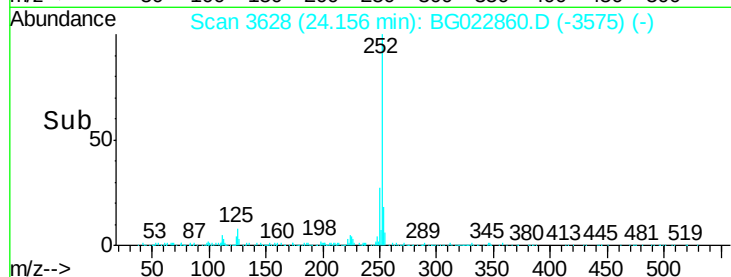
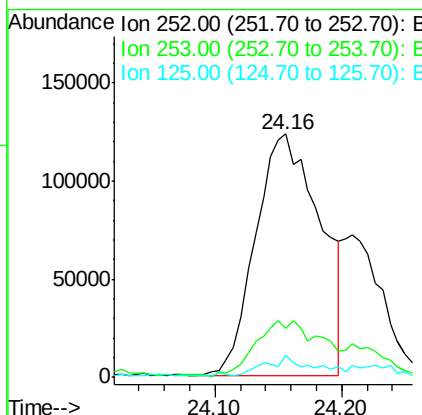
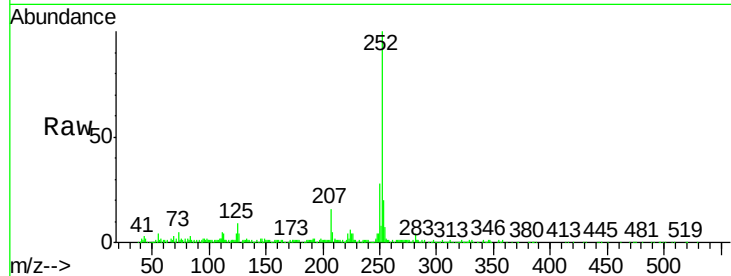
#85
Benzo(b)fluoranthene
Concen: 5.40 ng/ul
RT: 24.16 min Scan# 3628
Delta R.T. 0.01 min
Lab File: BG022860.D
Acq: 5 Jul 2016 21:26

Instrument :
BNA_G
ClientSampleId :
A4TW3

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.0	18.2	27.2
125	8.9	10.8	16.2

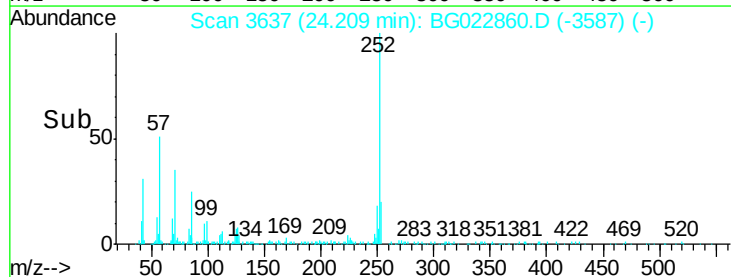
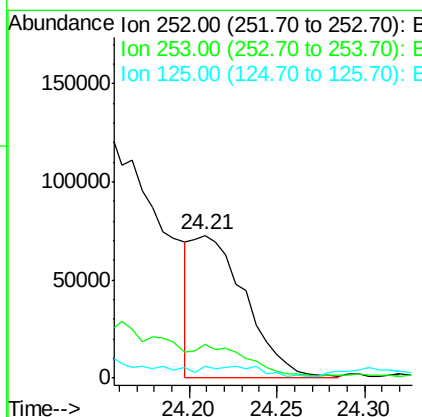
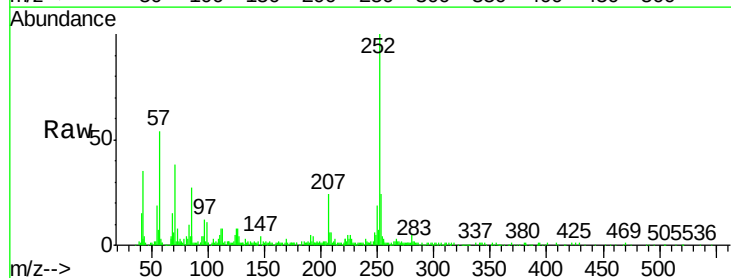
Manual Integrations

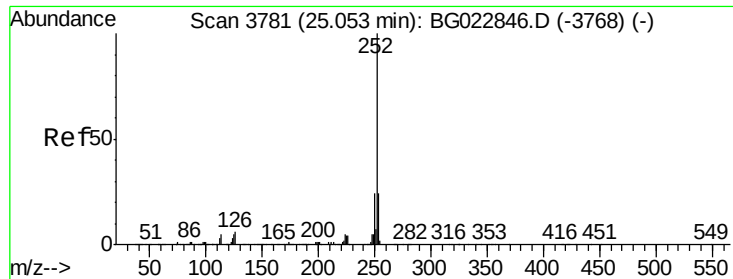
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#86
Benzo(k)fluoranthene
Concen: 2.05 ng/ul m
RT: 24.21 min Scan# 3637
Delta R.T. -0.00 min
Lab File: BG022860.D
Acq: 5 Jul 2016 21:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	15.8	23.6
125	8.3	10.6	16.0





#88

Benzo(a)pyrene

Concen: 4.92 ng/ul

RT: 25.07 min Scan# 3783

Delta R.T. 0.01 min

Lab File: BG022860.D

Acq: 5 Jul 2016 21:26

Instrument :

BNA_G

ClientSampleId :

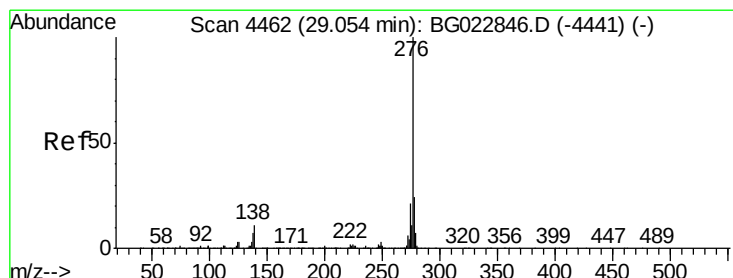
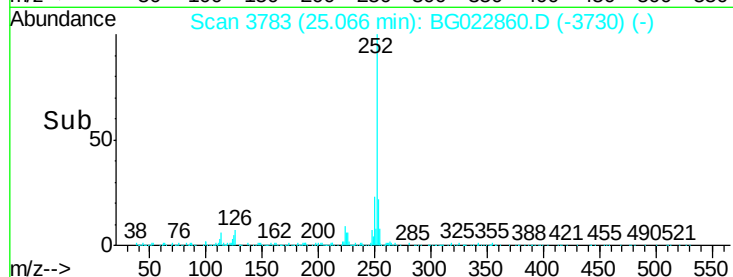
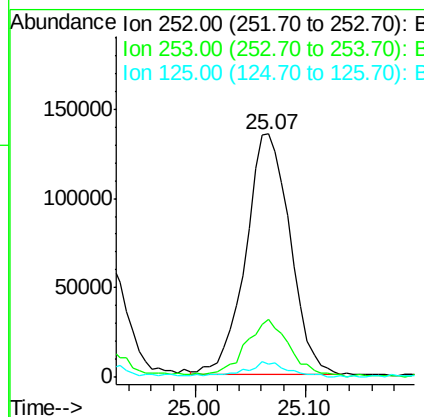
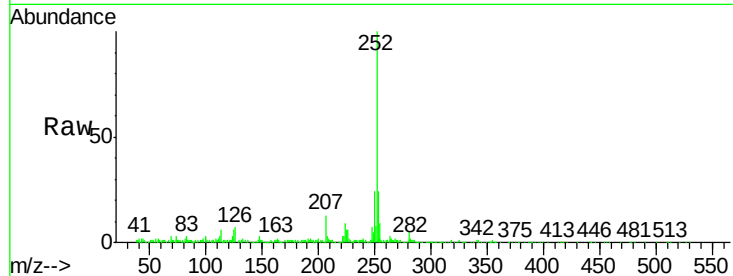
A4TW3

Tot Ion:	252	Resp:	376972
Ion Ratio	Lower	Upper	
252	100		
253	23.8	19.0	28.4
125	5.5	12.0	18.0#

Manual Integrations

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#89

Indeno(1,2,3-cd)pyrene

Concen: 2.59 ng/ul m

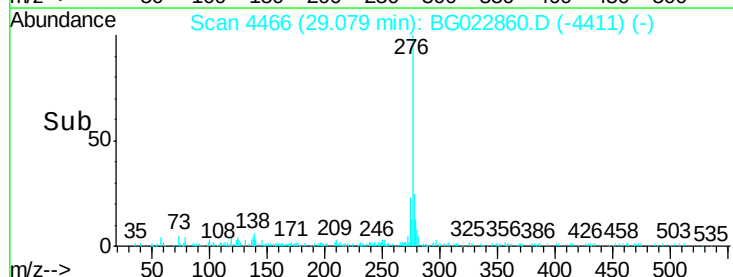
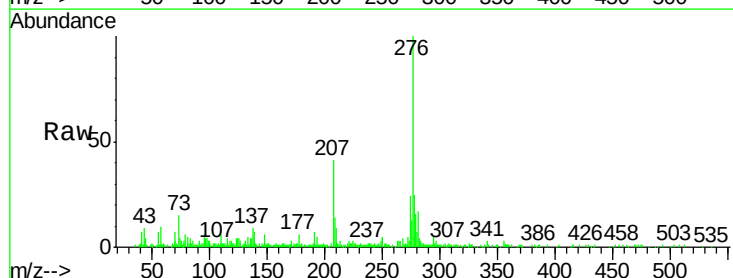
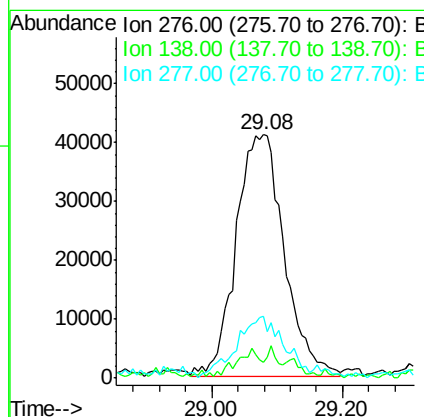
RT: 29.08 min Scan# 4466

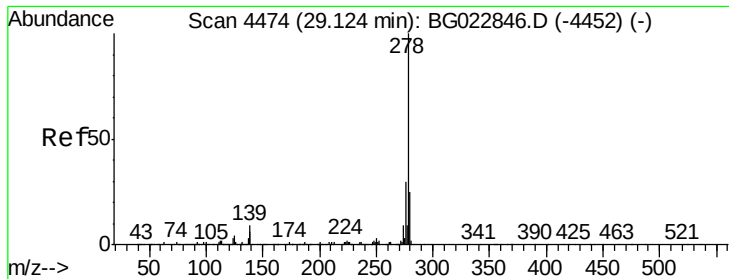
Delta R.T. 0.03 min

Lab File: BG022860.D

Acq: 5 Jul 2016 21:26

Tgt Ion:	276	Resp:	210005
Ion Ratio	Lower	Upper	
276	100		
138	6.5	20.8	31.2#
277	25.3	17.6	26.4





#90

Dibenzo(a,h)anthracene

Concen: 1.07 ng/ul m

RT: 29.13 min Scan# 4475

Delta R.T. 0.01 min

Lab File: BG022860.D

Acq: 5 Jul 2016 21:26

Instrument :

BNA_G

ClientSampleId :

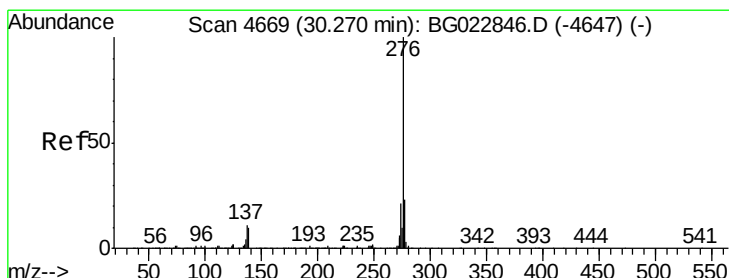
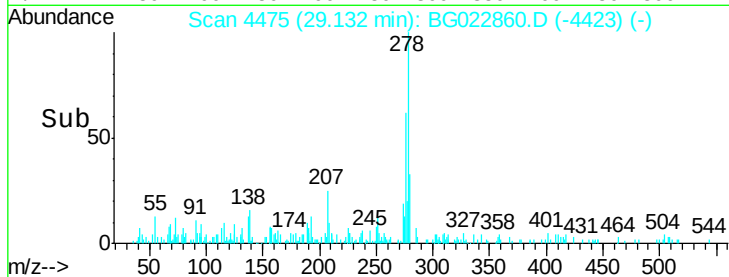
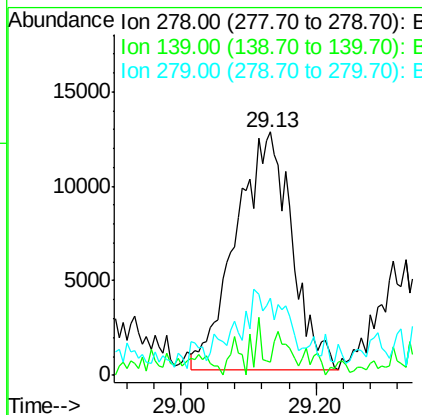
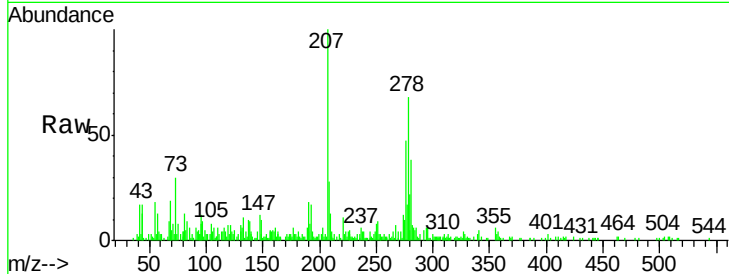
A4TW3

Tot Ion:	278	Resp:	72037
Ion Ratio	Lower	Upper	
278	100		
139	5.6	16.3	24.5#
279	31.9	19.1	28.7#

Manual Integrations

sohil

7/6/2016 7:17:28 PM



#91

Benzo(g,h,i)perylene

Concen: 2.85 ng/ul

RT: 30.27 min Scan# 4669

Delta R.T. 0.00 min

Lab File: BG022860.D

Acq: 5 Jul 2016 21:26

Tgt Ion:	276	Resp:	181325
Ion Ratio	Lower	Upper	
276	100		
138	9.6	22.1	33.1#
277	24.8	17.0	25.4

