

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG110717\
 Data File : BG030842.D
 Acq On : 8 Nov 2017 12:37
 Operator : SJ/JU
 Sample : I6004-17DL 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 B0E07DL

Manual Integrations
 APPROVED

Sohil
 11/8/2017 5:30:19 PM

Quant Time: Nov 08 14:57:27 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 08 04:22:00 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	61108	20.00	ng/ul	0.00
18) Naphthalene-d8	10.96	136	294719	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	192104	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.51	188	442287	20.00	ng/ul	0.00
75) Chrysene-d12	21.78	240	481597	20.00	ng/ul	0.00
83) Perylene-d12	25.09	264	504076	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	1286	0.86	ng/uL	0.00
5) Phenol-d5	7.32	99	25916	4.42	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.46	67	15347	4.18	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	22345	5.40	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	21772	4.60	ng/ul	0.00
19) Nitrobenzene-d5	9.31	128	11051	5.22	ng/ul	0.00
22) 2-Nitrophenol-d4	10.04	143	12675	5.85	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	23065	4.67	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	19831	3.46	ng/ul	0.00
43) Dimethylphthalate-d6	14.17	166	80926	4.93	ng/ul	0.00
46) Acenaphthylene-d8	14.47	160	100566	5.04	ng/ul	0.00
51) 4-Nitrophenol-d4	14.99	143	8105	2.67	ng/ul	0.01
57) Fluorene-d10	15.76	176	73810	5.49	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.88	200	3708	1.72	ng/ul	0.00
70) Anthracene-d10	17.61	188	113966	5.45	ng/ul	0.00
76) Pyrene-d10	19.88	212	134809	5.41	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.86	264	132091	5.53	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	7.34	94	7564	1.246 ng/ul	97
28) Naphthalene	11.02	128	19818	1.271 ng/ul	94
34) 2-Methylnaphthalene	12.61	142	16285	1.262 ng/ul	88
44) Dimethylphthalate	14.21	163	31498	1.966 ng/ul	97
49) Acenaphthene	14.84	153	48679	3.492 ng/ul	98
53) Dibenzofuran	15.16	168	62559	3.283 ng/ul	92
58) Fluorene	15.81	166	59126	3.889 ng/ul	96
69) Phenanthrene	17.55	178	671967	28.105 ng/ul	98
71) Anthracene	17.64	178	185184	7.507 ng/ul	97
72) Carbazole	17.91	167	59960	2.704 ng/ul	99
74) Fluoranthene	19.55	202	664467	24.867 ng/ul	98
77) Pyrene	19.91	202	539918	16.728 ng/ul	99
80) Benzo(a)anthracene	21.76	228	344054	11.399 ng/ul	100
82) Chrysene	21.83	228	279740	10.201 ng/ul	95
85) Benzo(b)fluoranthene	24.04	252	296303	9.791 ng/ul	95
86) Benzo(k)fluoranthene	24.10	252	100890m	3.448 ng/ul	
88) Benzo(a)pyrene	24.94	252	214330	7.276 ng/ul	97
89) Indeno(1,2,3-cd)pyrene	28.88	276	113010	3.391 ng/ul	97
90) Dibenzo(a,h)anthracene	28.92	278	38127m	1.377 ng/ul	
91) Benzo(g,h,i)perylene	30.05	276	81316	2.944 ng/ul	92

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

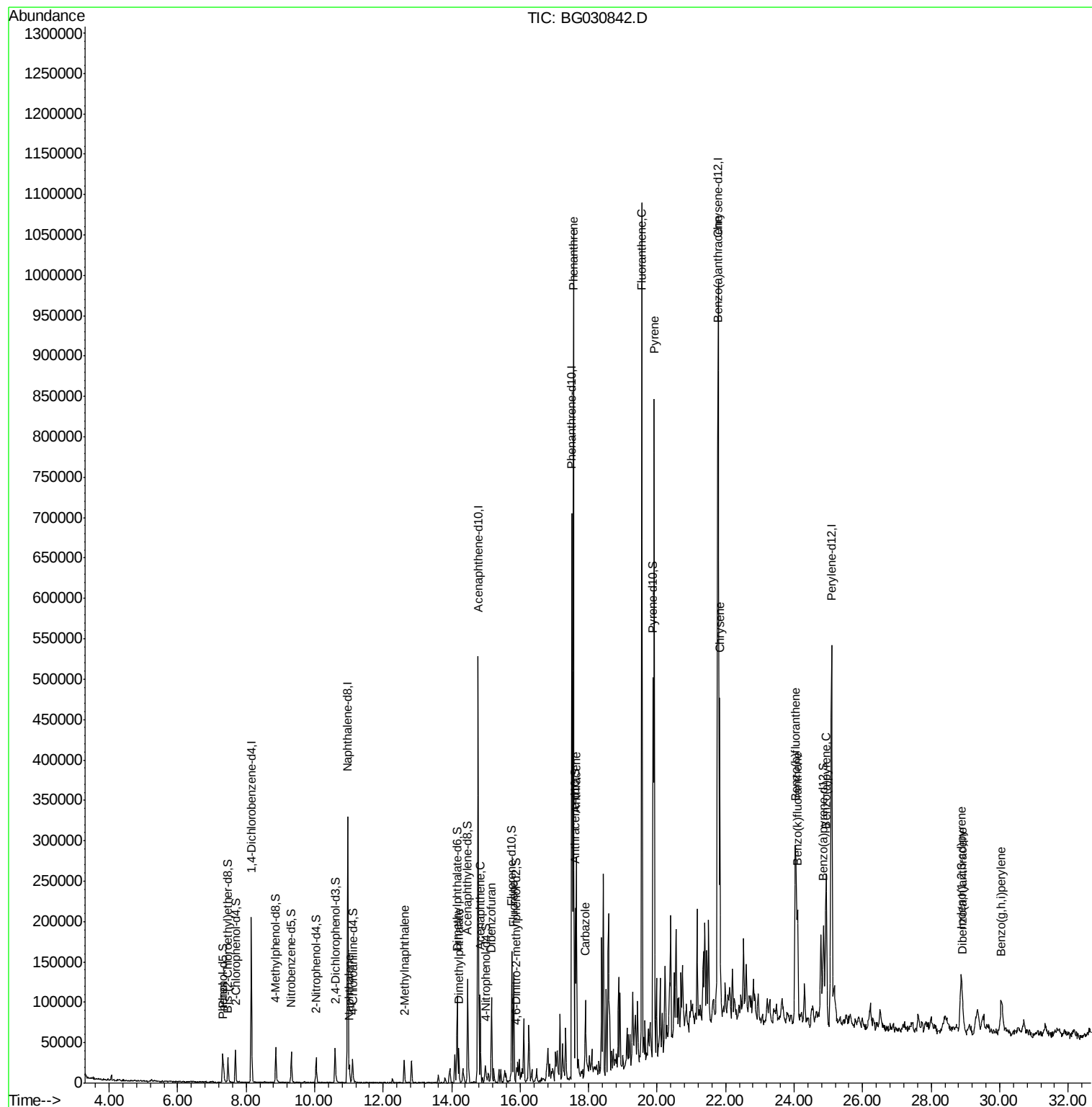
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG110717\
Data File : BG030842.D
Acq On : 8 Nov 2017 12:37
Operator : SJ/JU
Sample : I6004-17DL 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

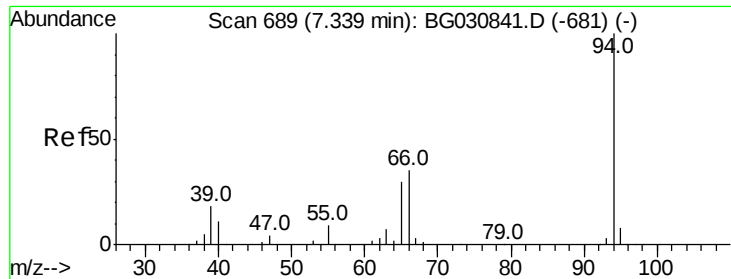
Instrument :
BNA_G
ClientSampled :
B0E07DL

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Quant Time: Nov 08 14:57:27 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 08 04:22:00 2017
Response via : Initial Calibration





#6

Phenol

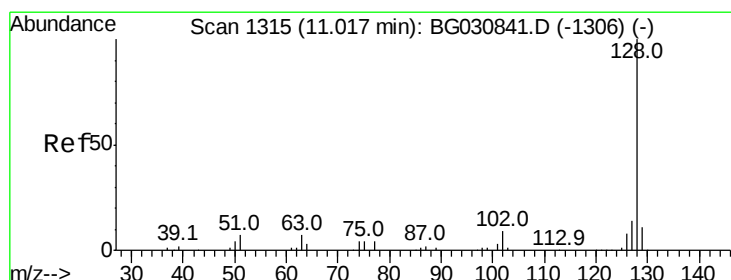
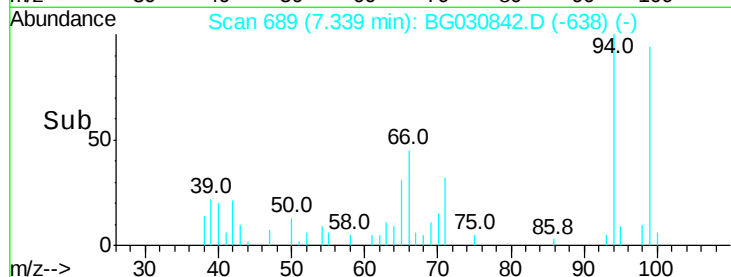
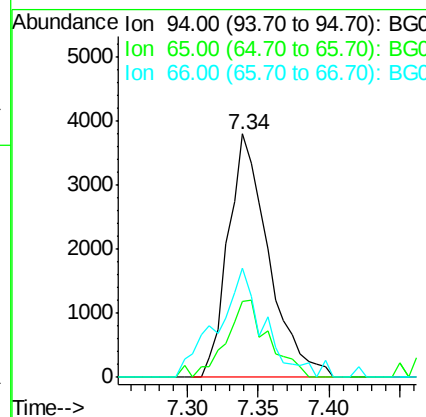
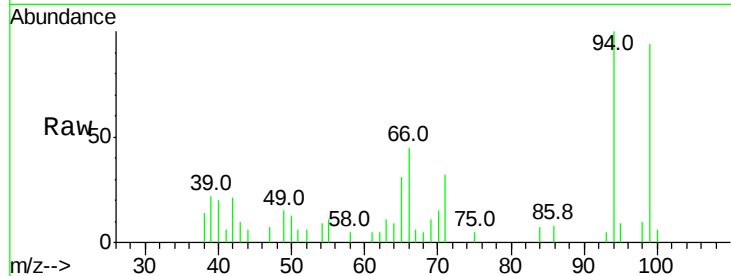
Concen: 1.246 ng/ul
 RT: 7.34 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: BG030842.D
 Acq: 8 Nov 2017 12:37

Instrument :
 BNA_G
 ClientSampleID :
 B0E07DL

Tot Ion	Ratio	Lower	Upper
94	100		
65	31.2	27.1	40.7
66	44.8	34.6	52.0

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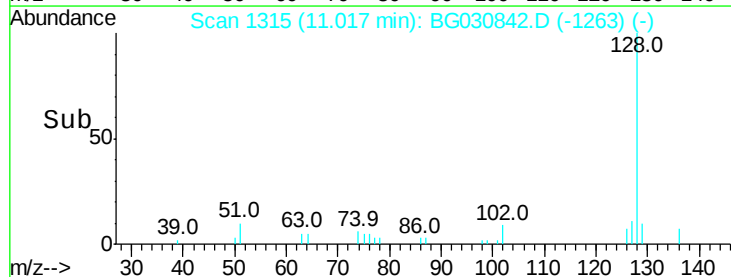
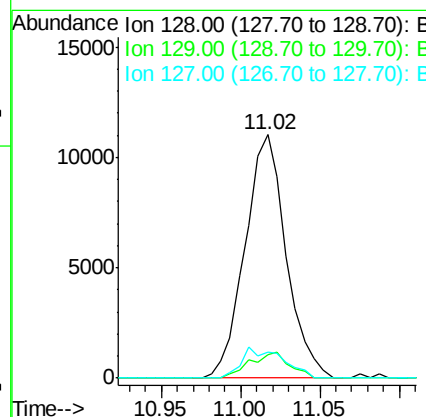
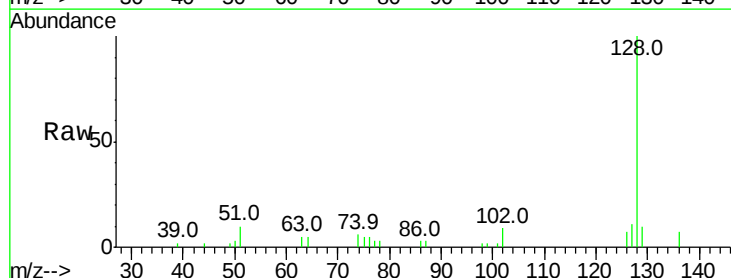


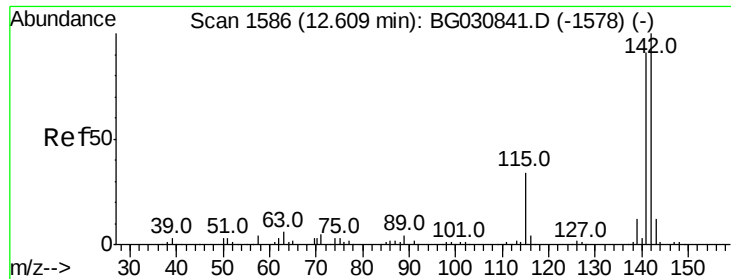
#28

Naphthalene

Concen: 1.271 ng/ul
 RT: 11.02 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: BG030842.D
 Acq: 8 Nov 2017 12:37

Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.7	9.3	13.9
127	10.9	10.7	16.1





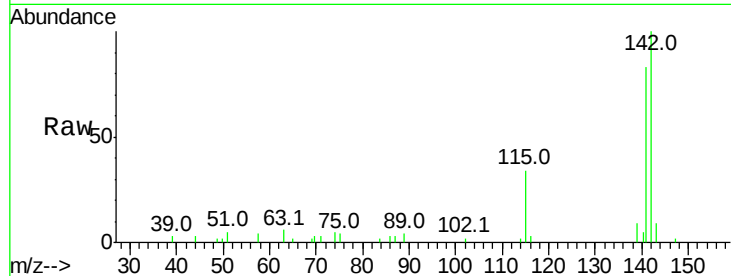
#34
2-Methylnaphthalene
Concen: 1.262 ng/ul
RT: 12.61 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BG030842.D
Acq: 8 Nov 2017 12:37

Instrument :
BNA_G
ClientSampleID :
B0E07DL

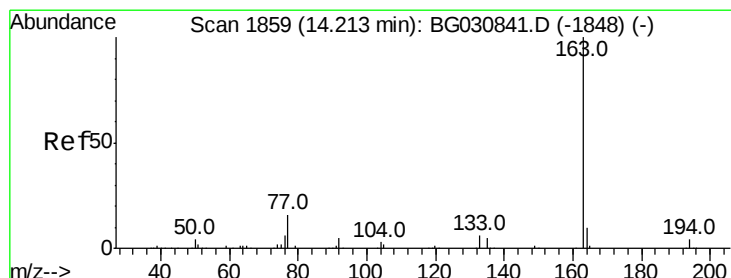
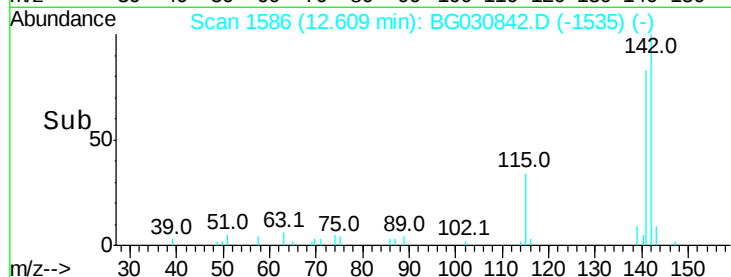
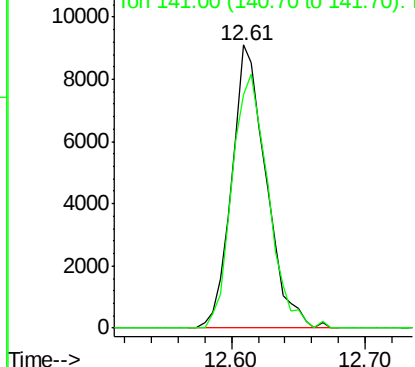
Tot Ion:142 Resp: 16285
Ion Ratio Lower Upper
142 100
141 82.6 75.4 113.0

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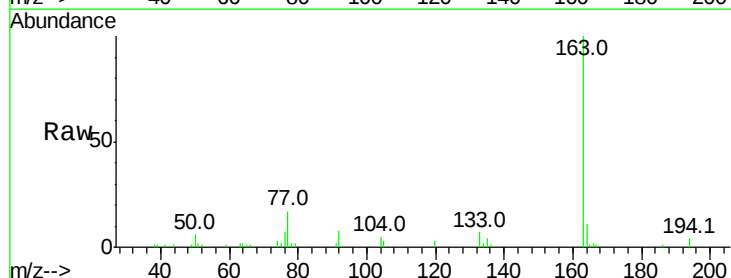


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

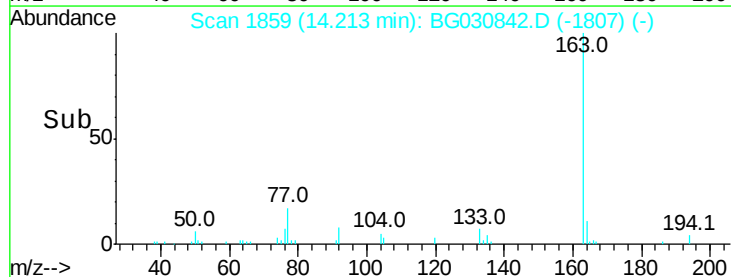
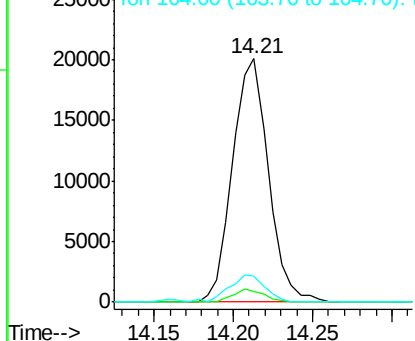


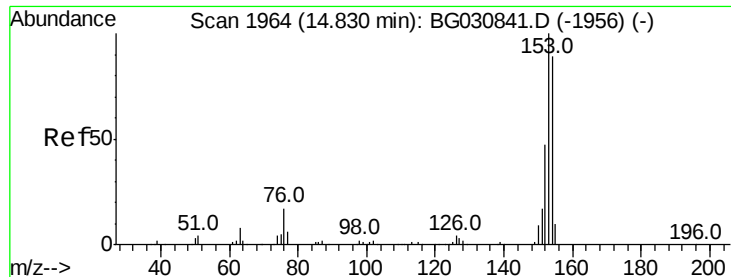
#44
Dimethylphthalate
Concen: 1.966 ng/ul
RT: 14.21 min Scan# 1859
Delta R.T. 0.00 min
Lab File: BG030842.D
Acq: 8 Nov 2017 12:37

Tgt Ion:163 Resp: 31498
Ion Ratio Lower Upper
163 100
194 4.4 3.5 5.3
164 10.9 7.6 11.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 3.492 ng/ul

RT: 14.84 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BG030842.D

Acq: 8 Nov 2017 12:37

Instrument :

BNA_G

ClientSampleId :

B0E07DL

Tot Ion:153 Resp: 48679

Ion Ratio Lower Upper

153 100

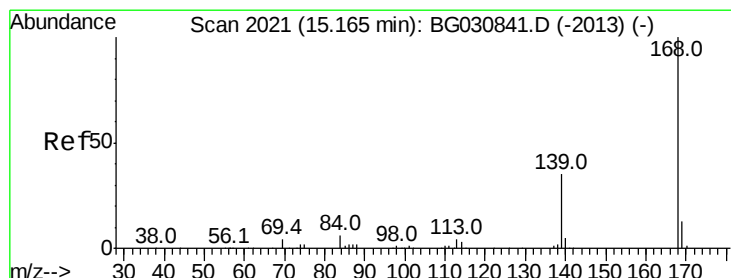
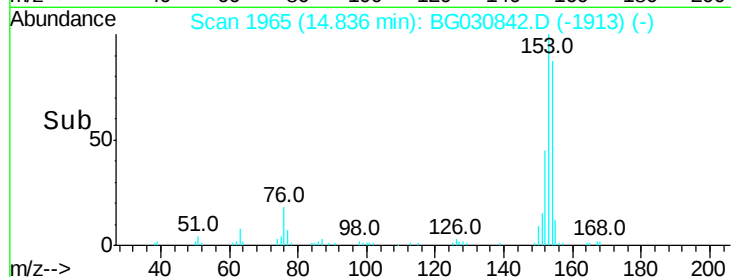
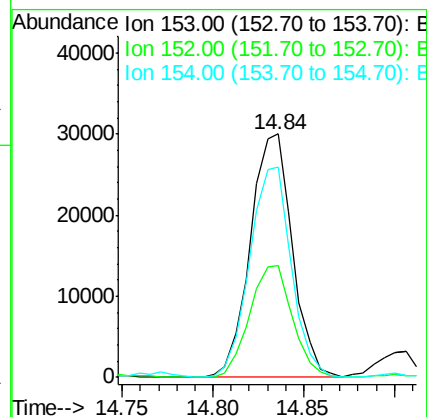
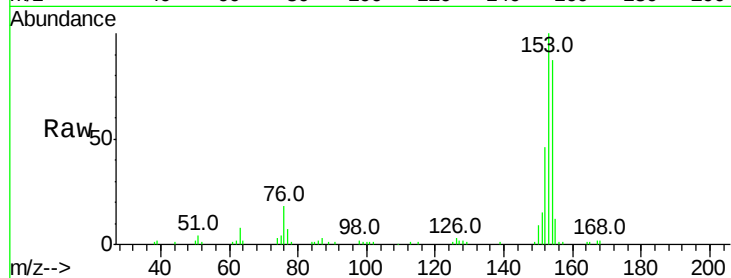
152 45.9 38.2 57.2

154 86.6 70.6 105.8

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#53

Dibenzofuran

Concen: 3.283 ng/ul

RT: 15.16 min Scan# 2021

Delta R.T. -0.00 min

Lab File: BG030842.D

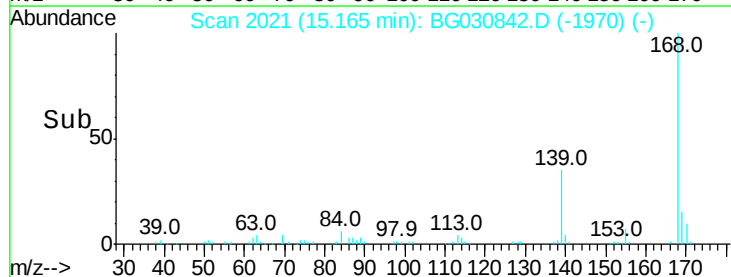
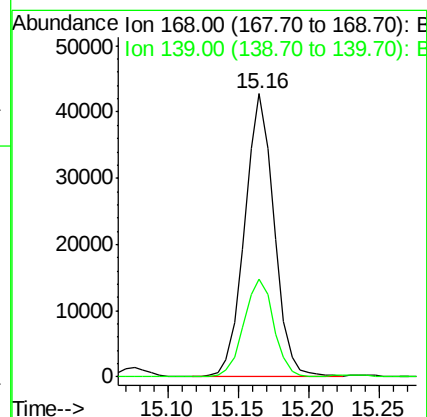
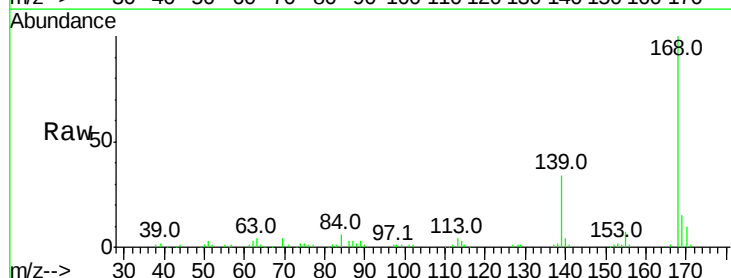
Acq: 8 Nov 2017 12:37

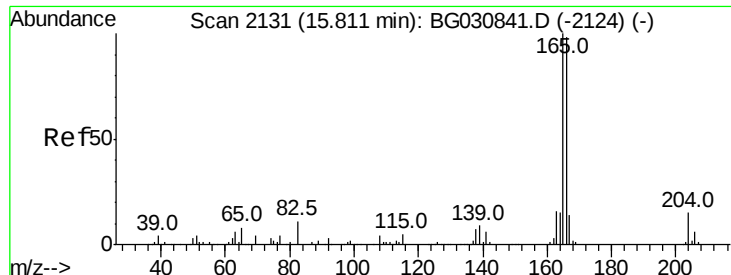
Tgt Ion:168 Resp: 62559

Ion Ratio Lower Upper

168 100

139 34.3 31.4 47.2





#58

Fluorene

Concen: 3.889 ng/ul

RT: 15.81 min Scan# 2131

Delta R.T. -0.00 min

Lab File: BG030842.D

Acq: 8 Nov 2017 12:37

Instrument :

BNA_G

ClientSampled :

B0E07DL

Tot Ion:166 Resp: 59126

Ion Ratio Lower Upper

166 100

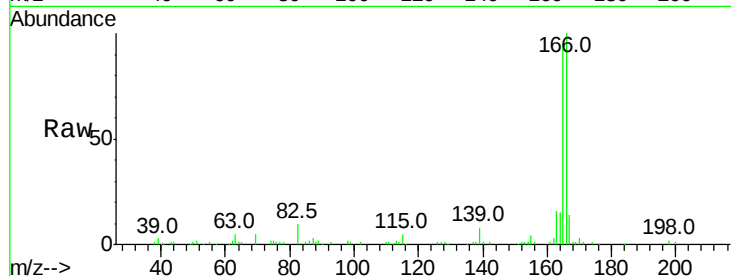
165 95.3 79.9 119.9

167 13.7 10.6 16.0

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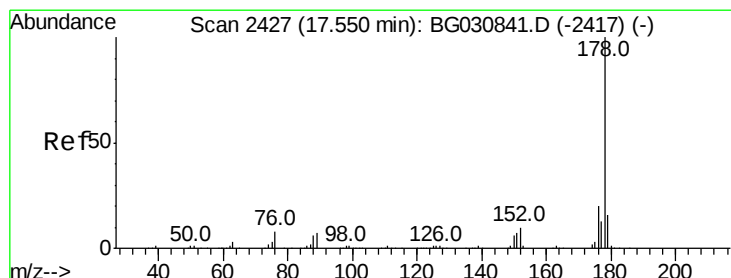
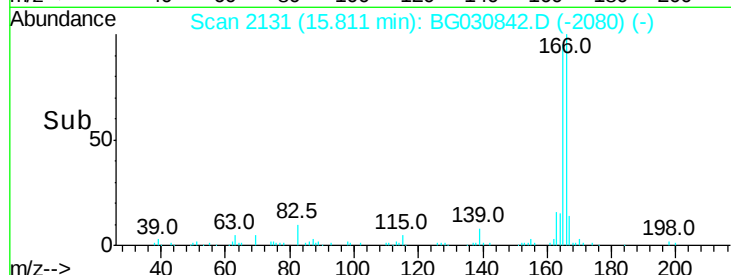
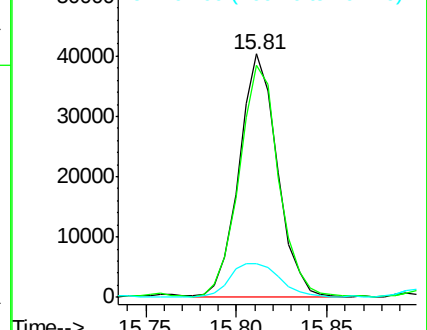
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 28.105 ng/ul

RT: 17.55 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BG030842.D

Acq: 8 Nov 2017 12:37

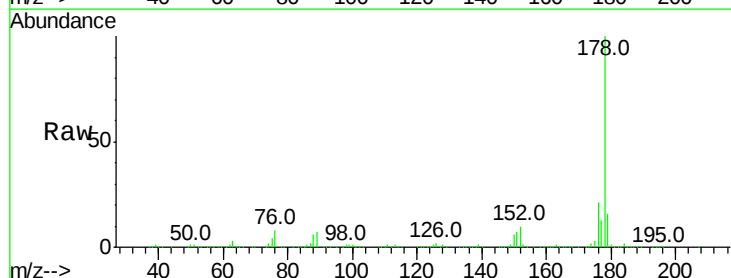
Tgt Ion:178 Resp: 671967

Ion Ratio Lower Upper

178 100

179 15.9 13.0 19.6

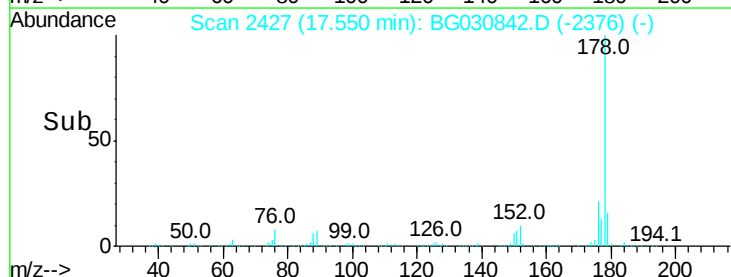
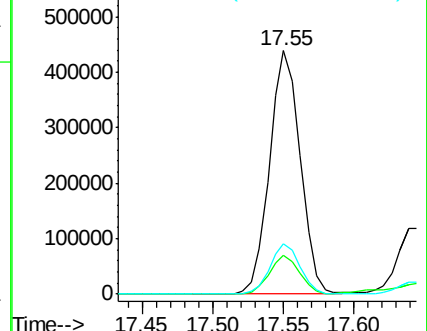
176 20.6 15.3 22.9

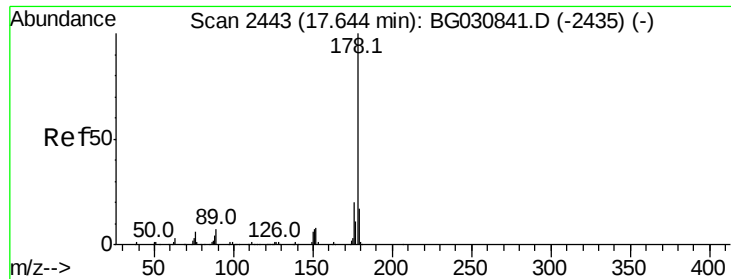


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 7.507 ng/ul

RT: 17.64 min Scan# 2442

Delta R.T. -0.00 min

Lab File: BG030842.D

Acq: 8 Nov 2017 12:37

Instrument :

BNA_G

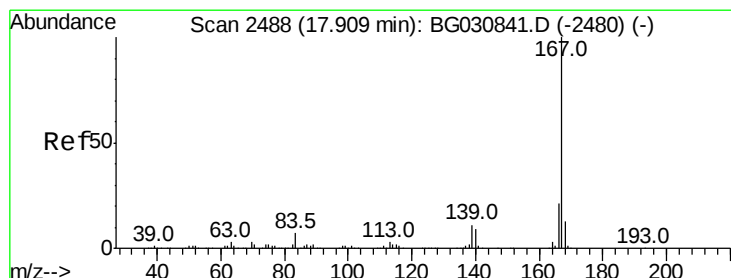
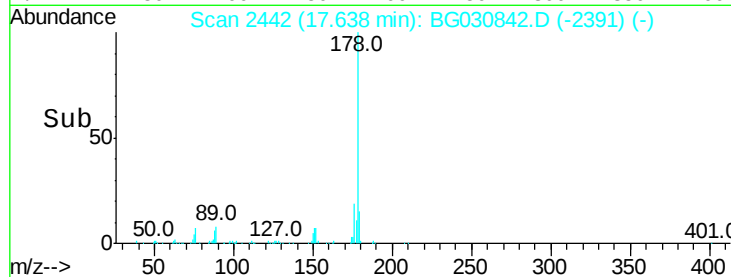
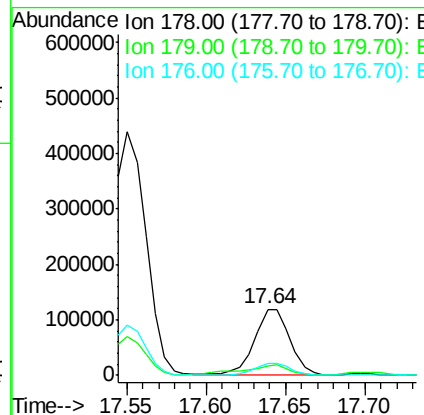
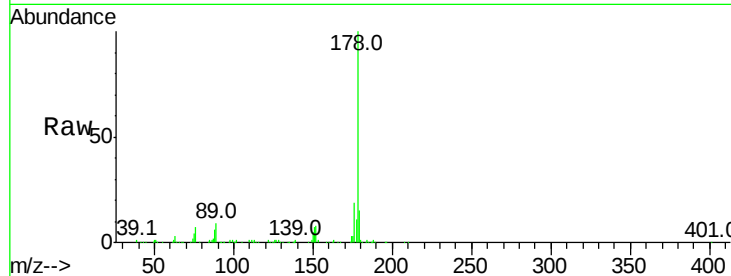
ClientSampleID :

B0E07DL

Tot Ion:	178	Resp:	185184
Ion Ratio	Lower	Upper	
178	100		
179	14.7	13.2	19.8
176	19.1	16.0	24.0

Manual Integrations
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#72

Carbazole

Concen: 2.704 ng/ul

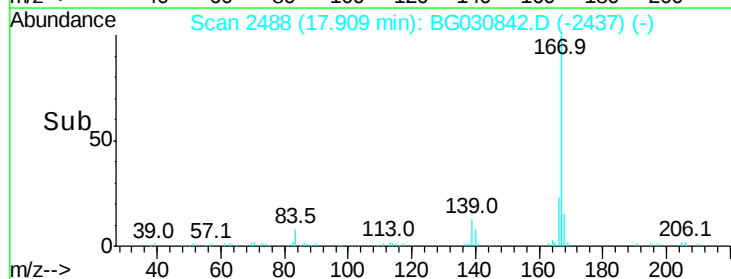
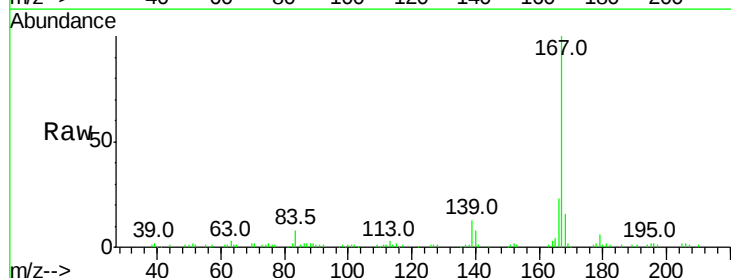
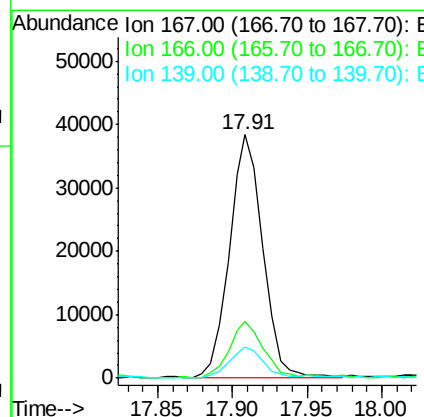
RT: 17.91 min Scan# 2488

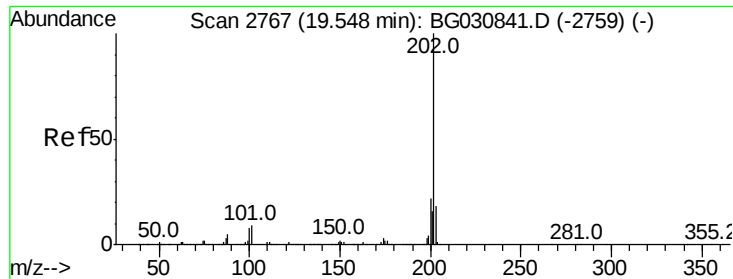
Delta R.T. -0.00 min

Lab File: BG030842.D

Acq: 8 Nov 2017 12:37

Tgt Ion:	167	Resp:	59960
Ion Ratio	Lower	Upper	
167	100		
166	23.3	18.6	28.0
139	12.8	10.6	16.0





#74

Fluoranthene

Concen: 24.867 ng/ul

RT: 19.55 min Scan# 2767

Delta R.T. -0.00 min

Lab File: BG030842.D

Acq: 8 Nov 2017 12:37

Instrument :

BNA_G

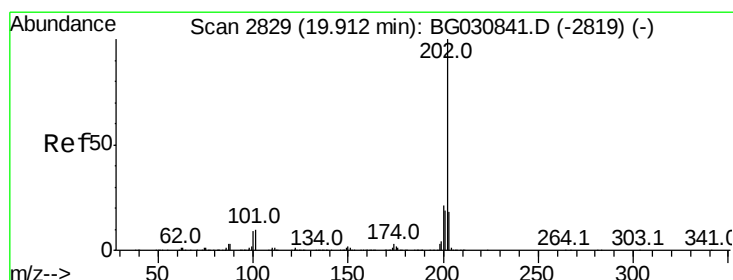
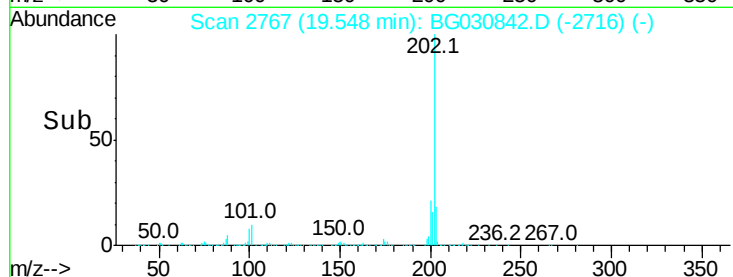
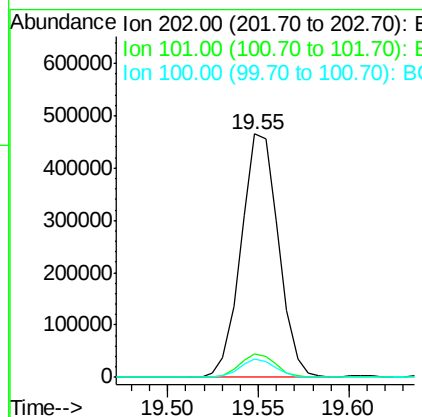
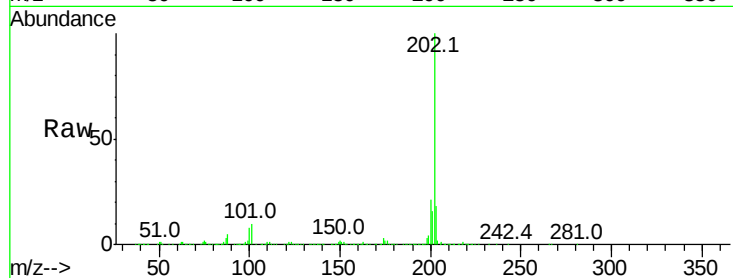
ClientSampleId :

B0E07DL

Tot Ion:	202	Resp:	664467
Ion Ratio	Lower	Upper	
202	100		
101	9.9	7.4	11.2
100	7.6	5.6	8.4

Manual Integrations
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#77

Pyrene

Concen: 16.728 ng/ul

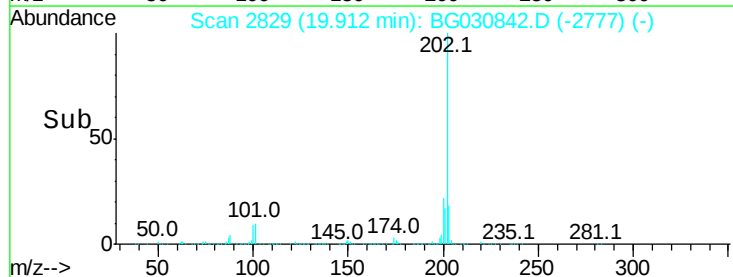
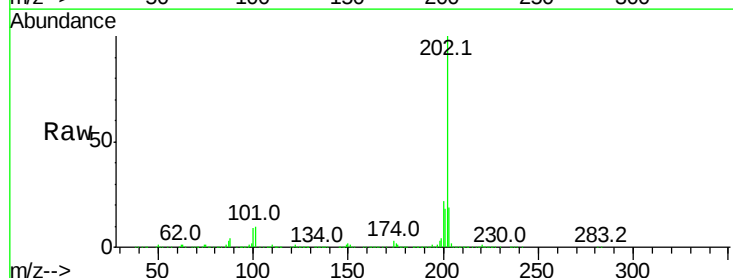
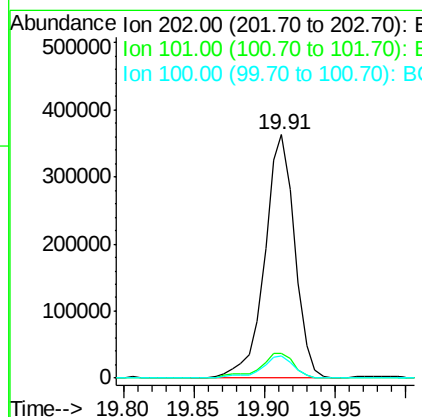
RT: 19.91 min Scan# 2829

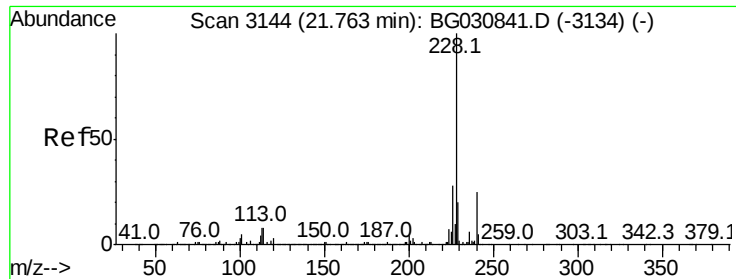
Delta R.T. 0.00 min

Lab File: BG030842.D

Acq: 8 Nov 2017 12:37

Tgt Ion:	202	Resp:	539918
Ion Ratio	Lower	Upper	
202	100		
101	10.0	8.4	12.6
100	8.9	7.0	10.6





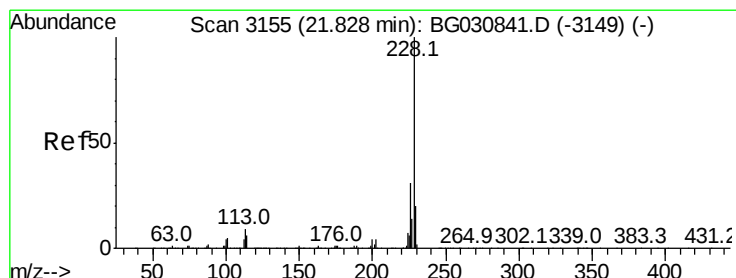
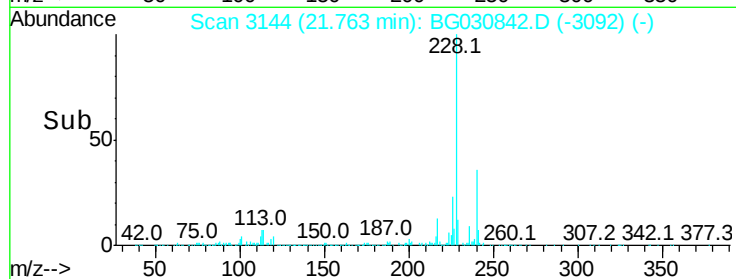
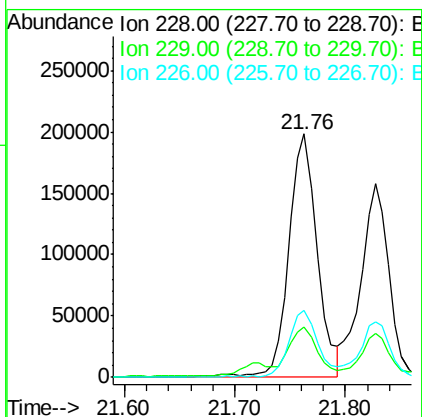
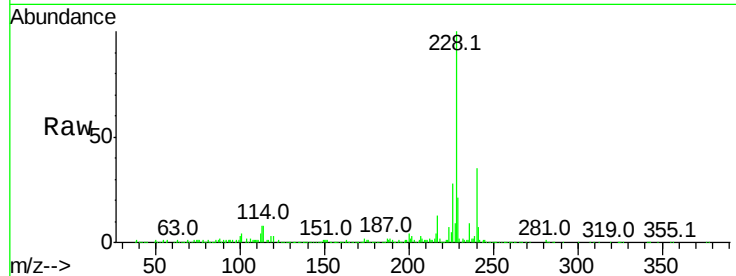
#80
Benzo(a)anthracene
Concen: 11.399 ng/ul
RT: 21.76 min Scan# 3144
Delta R.T. 0.00 min
Lab File: BG030842.D
Acq: 8 Nov 2017 12:37

Instrument :
BNA_G
ClientSampled :
B0E07DL

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.5	16.2	24.4
226	27.8	22.2	33.2

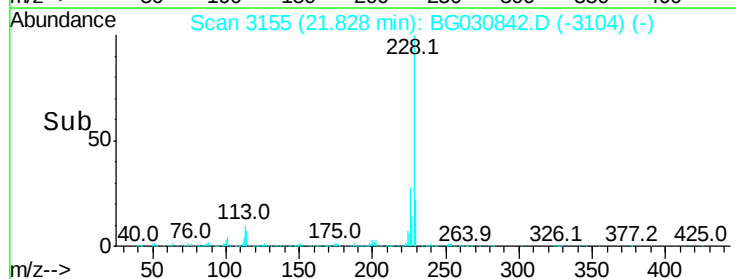
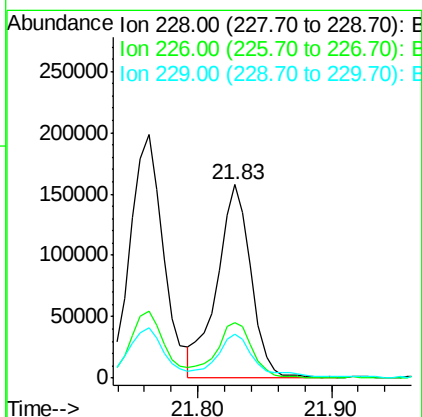
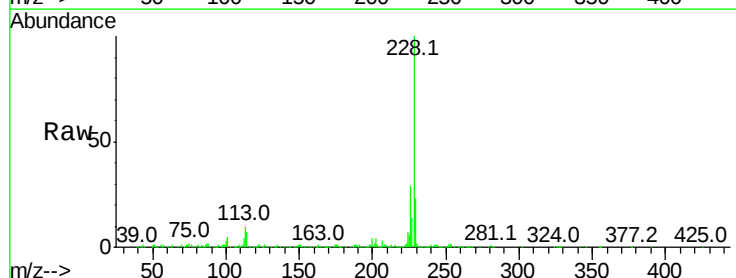
Manual Integrations
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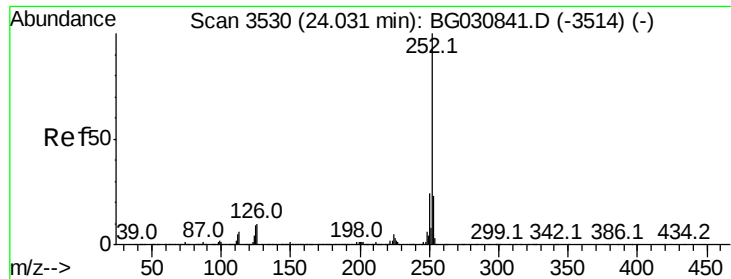
Sohil
11/8/2017 5:30:19 PM



#82
Chrysene
Concen: 10.201 ng/ul
RT: 21.83 min Scan# 3155
Delta R.T. -0.00 min
Lab File: BG030842.D
Acq: 8 Nov 2017 12:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.2	36.2
229	22.7	15.2	22.8





#85

Benzo(b)fluoranthene

Concen: 9.791 ng/ul

RT: 24.04 min Scan# 3531

Delta R.T. 0.00 min

Lab File: BG030842.D

Acq: 8 Nov 2017 12:37

Instrument :

BNA_G

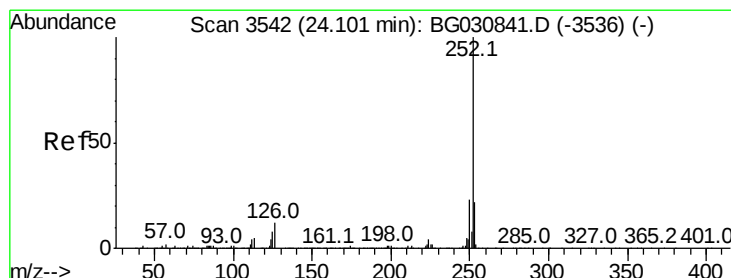
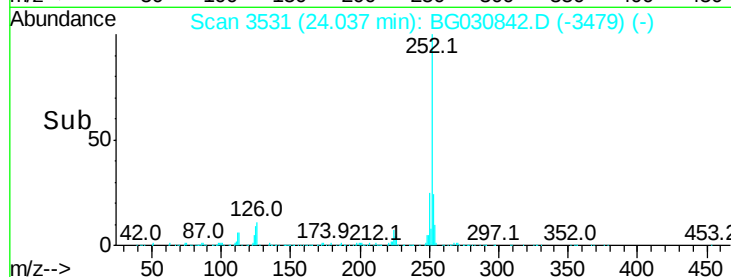
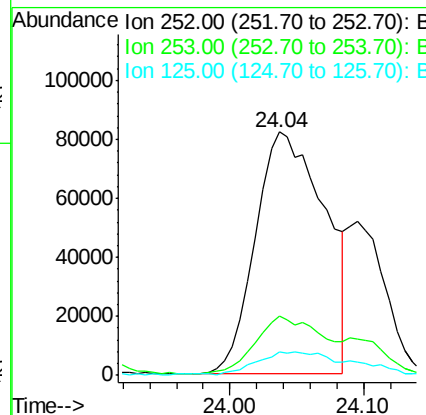
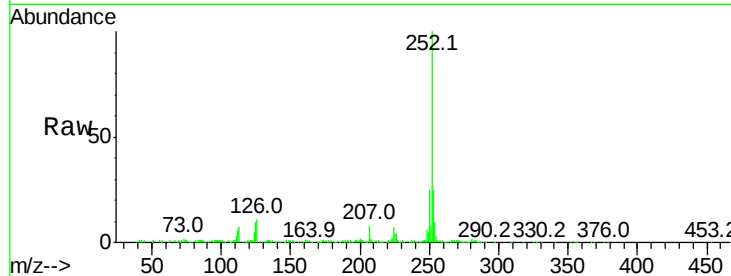
ClientSampleId :

B0E07DL

Tot Ion:	252	Resp:	296303
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.0	25.4
125	9.6	7.5	11.3

Manual Integrations
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#86

Benzo(k)fluoranthene

Concen: 3.448 ng/ul m

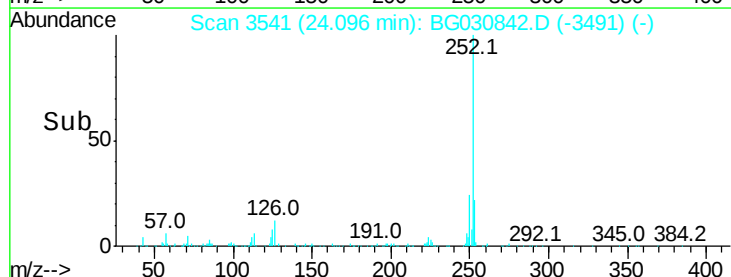
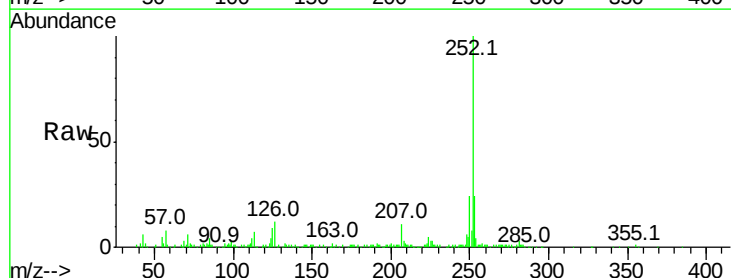
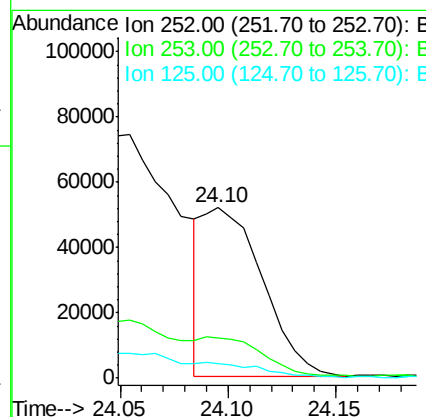
RT: 24.10 min Scan# 3541

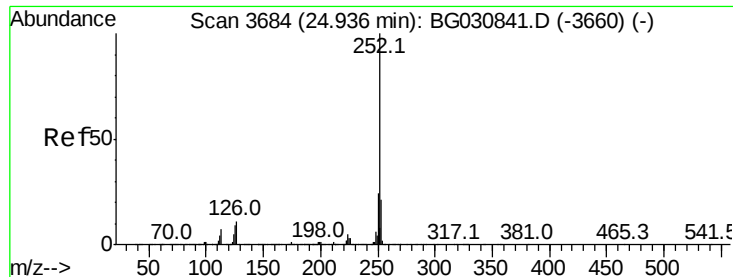
Delta R.T. -0.01 min

Lab File: BG030842.D

Acq: 8 Nov 2017 12:37

Tgt Ion:	252	Resp:	100890
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.2	25.8
125	8.6	7.8	11.8





#88

Benzo(a)pyrene

Concen: 7.276 ng/ul

RT: 24.94 min Scan# 3684

Delta R.T. 0.00 min

Lab File: BG030842.D

Acq: 8 Nov 2017 12:37

Instrument :

BNA_G

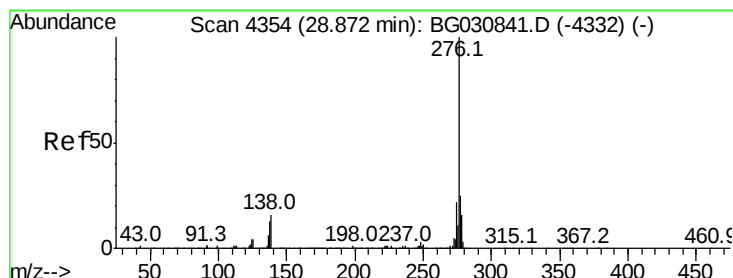
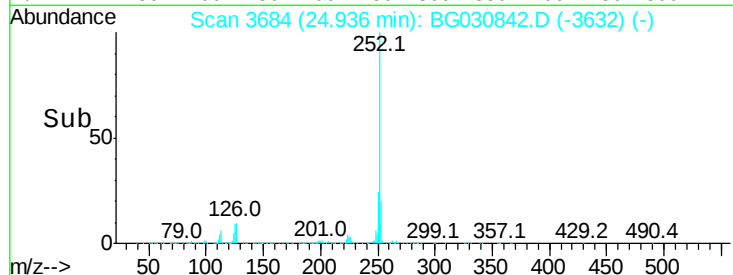
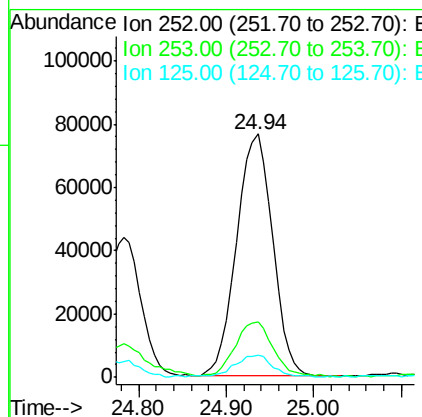
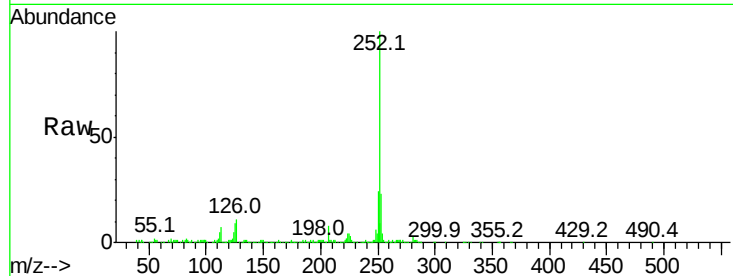
ClientSampled :

B0E07DL

Tot Ion:	252	Resp:	214330
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.1	25.7
125	9.1	7.8	11.8

Manual Integrations
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#89

Indeno(1,2,3-cd)pyrene

Concen: 3.391 ng/ul

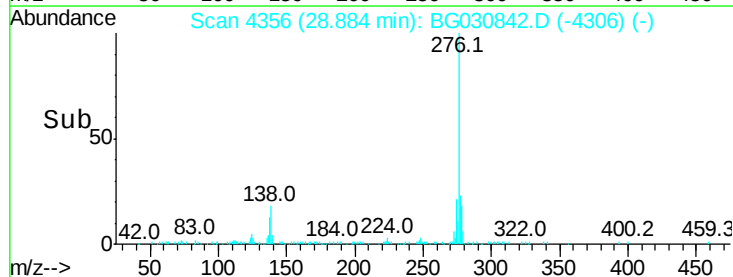
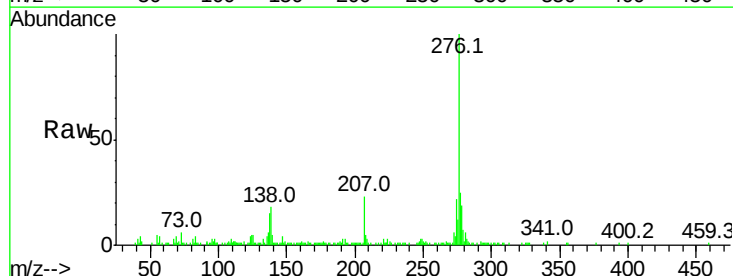
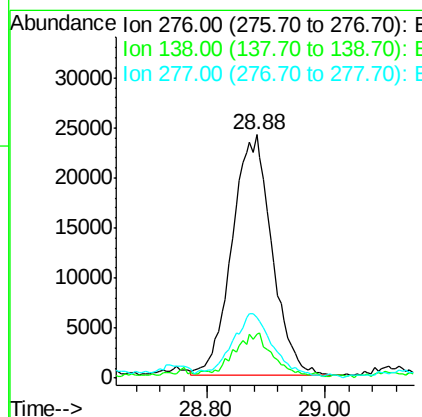
RT: 28.88 min Scan# 4356

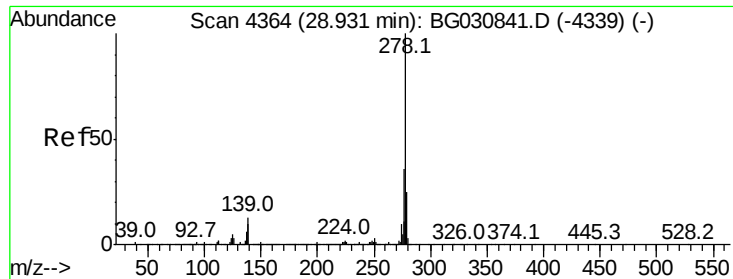
Delta R.T. -0.01 min

Lab File: BG030842.D

Acq: 8 Nov 2017 12:37

Tgt Ion:	276	Resp:	113010
Ion Ratio	Lower	Upper	
276	100		
138	18.0	13.4	20.0
277	24.8	18.6	28.0





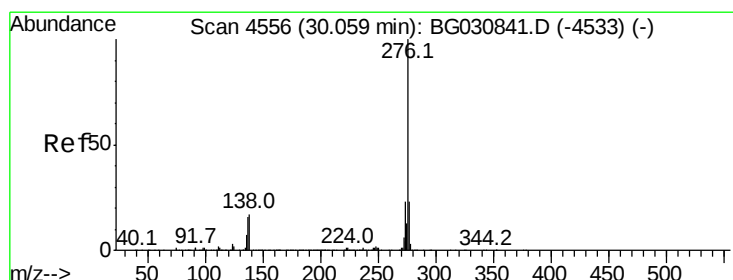
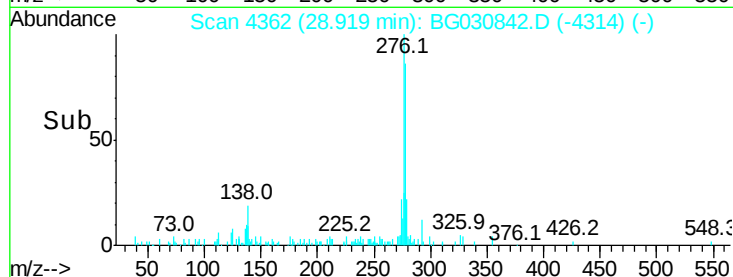
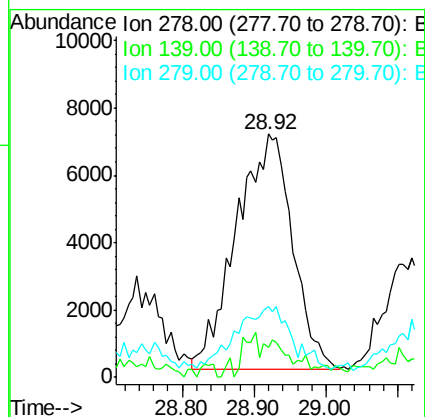
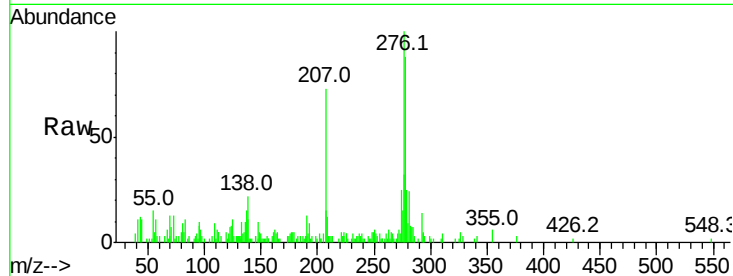
#90
Dibenzo(a,h)anthracene
Concen: 1.377 ng/ul m
RT: 28.92 min Scan# 4362
Delta R.T. -0.02 min
Lab File: BG030842.D
Acq: 8 Nov 2017 12:37

Instrument :
BNA_G
ClientSampled :
B0E07DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	12.1	9.4	14.2
279	29.0	18.4	27.6#

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#91
Benzo(g,h,i)perylene
Concen: 2.944 ng/ul
RT: 30.05 min Scan# 4555
Delta R.T. -0.01 min
Lab File: BG030842.D
Acq: 8 Nov 2017 12:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.0	12.1	18.1
277	25.9	17.7	26.5

