

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG110517\
 Data File : BG030761.D
 Acq On : 6 Nov 2017 5:22
 Operator : SJ/JU
 Sample : I6126-09
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0EF5

Manual Integrations
 APPROVED

Sohil
 11/6/2017 2:19:51 PM

Quant Time: Nov 06 06:15:42 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 06 01:27:00 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	76934	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	355113	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	233998	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.51	188	556561	20.00	ng/ul	0.00
75) Chrysene-d12	21.79	240	577226	20.00	ng/ul	0.00
83) Perylene-d12	25.10	264	598355	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	8782	4.64	ng/uL	0.00
5) Phenol-d5	7.32	99	167761	22.72	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	102369	22.15	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	142007	27.26	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	133234	22.34	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	72018	28.25	ng/ul	0.00
22) 2-Nitrophenol-d4	10.04	143	84044	32.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	153392	25.77	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	181958	26.31	ng/ul	0.00
43) Dimethylphthalate-d6	14.17	166	514166	25.70	ng/ul	0.00
46) Acenaphthylene-d8	14.47	160	648026	26.64	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	73434	19.88	ng/ul	0.00
57) Fluorene-d10	15.76	176	489206	29.86	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.88	200	19432	7.15	ng/ul	0.00
70) Anthracene-d10	17.61	188	760370	28.89	ng/ul	0.00
76) Pyrene-d10	19.89	212	862483	28.87	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.87	264	875504	30.89	ng/ul	0.02

Target Compounds

				Ovalue	
6) Phenol	7.35	94	27058	3.541 ng/ul#	82
44) Dimethylphthalate	14.22	163	178457	9.146 ng/ul	100
49) Acenaphthene	14.84	153	28621	1.686 ng/ul	97
53) Dibenzofuran	15.17	168	28962	1.248 ng/ul	96
58) Fluorene	15.81	166	37820	2.042 ng/ul	92
69) Phenanthrene	17.55	178	637027	21.173 ng/ul	99
71) Anthracene	17.65	178	159742	5.146 ng/ul	97
72) Carbazole	17.91	167	82647	2.962 ng/ul	98
74) Fluoranthene	19.56	202	917591	27.289 ng/ul	99
77) Pyrene	19.91	202	751342	19.421 ng/ul	98
80) Benzo(a)anthracene	21.77	228	500407	13.833 ng/ul	96
82) Chrysene	21.83	228	449540m	13.677 ng/ul	
85) Benzo(b)fluoranthene	24.05	252	542524	15.103 ng/ul	97
86) Benzo(k)fluoranthene	24.10	252	176524	5.083 ng/ul	98
88) Benzo(a)pyrene	24.94	252	397810	11.377 ng/ul	98
89) Indeno(1,2,3-cd)pyrene	28.89	276	267331	6.758 ng/ul	99
90) Dibenzo(a,h)anthracene	28.92	278	84602	2.574 ng/ul#	85
91) Benzo(g,h,i)perylene	30.08	276	226359	6.903 ng/ul	97

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

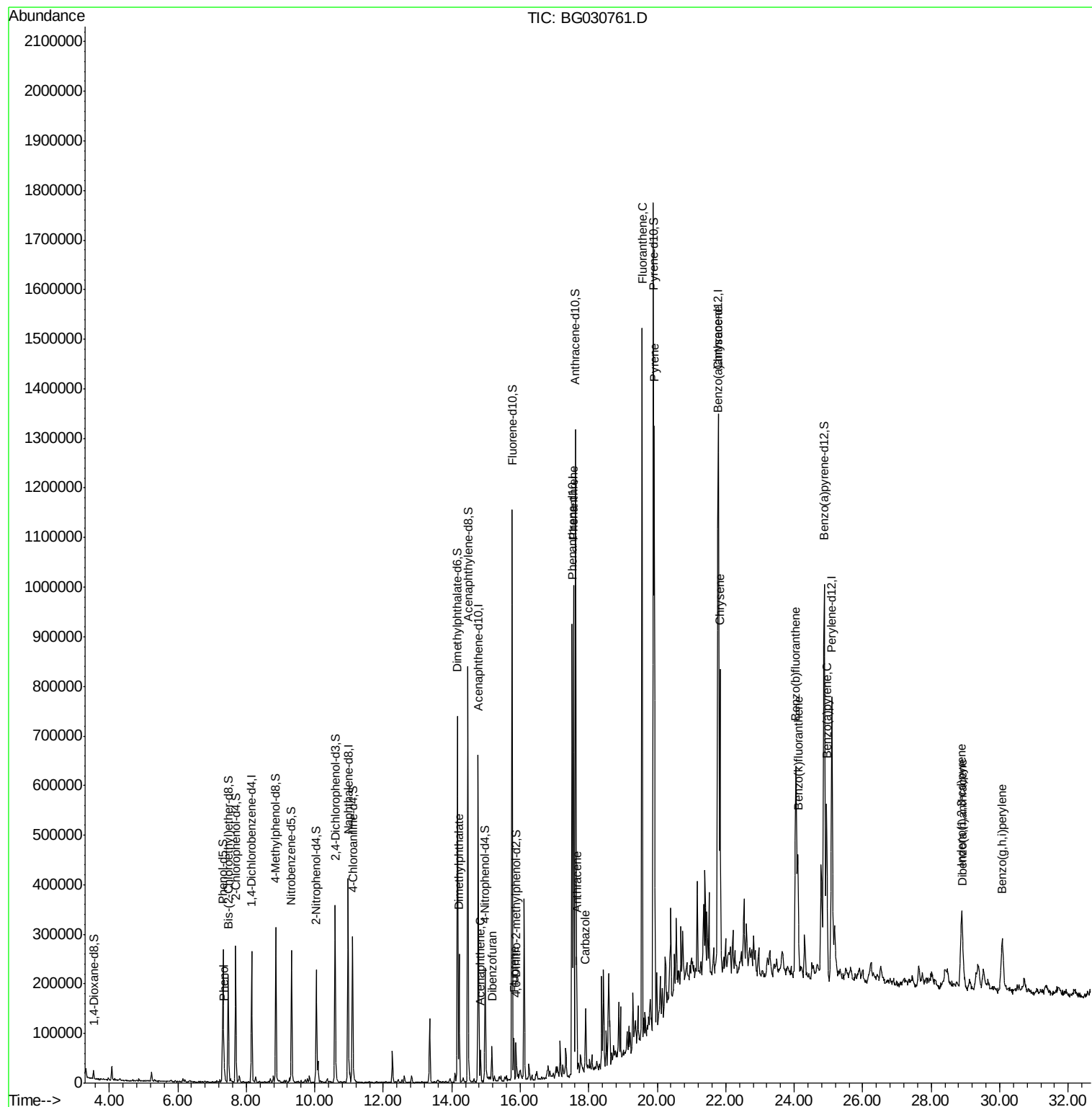
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG110517\
Data File : BG030761.D
Acq On : 6 Nov 2017 5:22
Operator : SJ/JU
Sample : I6126-09
Misc :
ALS Vial : 28 Sample Multiplier: 1

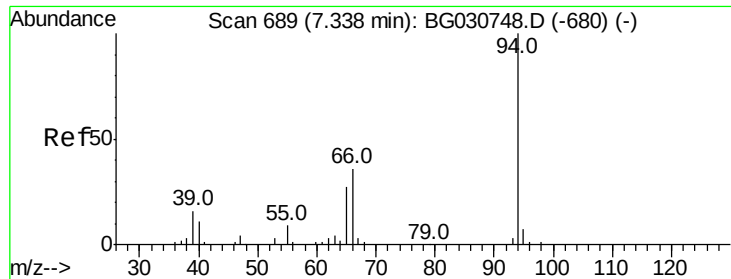
Instrument :
BNA_G
ClientSampled :
B0EF5

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Quant Time: Nov 06 06:15:42 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Nov 06 01:27:00 2017
Response via : Initial Calibration





#6

Phenol

Concen: 3.541 ng/ul

RT: 7.35 min Scan# 691

Delta R.T. 0.01 min

Lab File: BG030761.D

Acq: 6 Nov 2017 5:22

Instrument :

BNA_G

ClientSampleId :

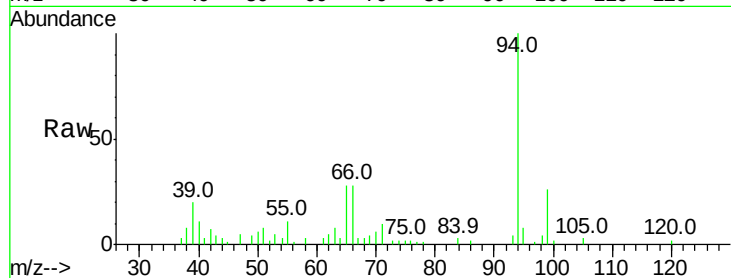
B0EF5

Tot Ion: 94 Resp: 27058

Ion	Ratio	Lower	Upper
94	100		
65	28.1	27.1	40.7
66	27.9	34.6	52.0#

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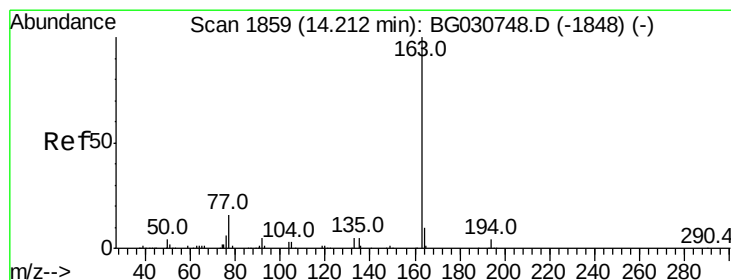
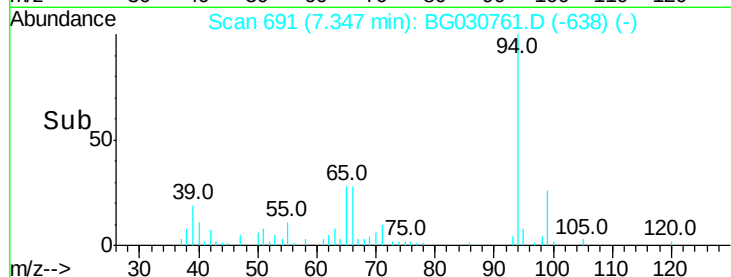
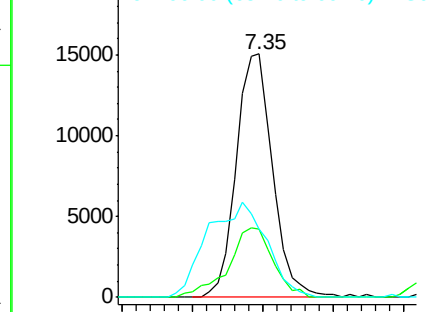


Abundance

Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC



#44

Dimethylphthalate

Concen: 9.146 ng/ul

RT: 14.22 min Scan# 1860

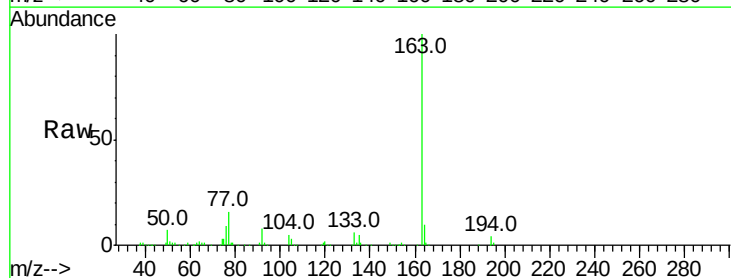
Delta R.T. 0.00 min

Lab File: BG030761.D

Acq: 6 Nov 2017 5:22

Tgt Ion:163 Resp: 178457

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	9.6	7.6	11.4

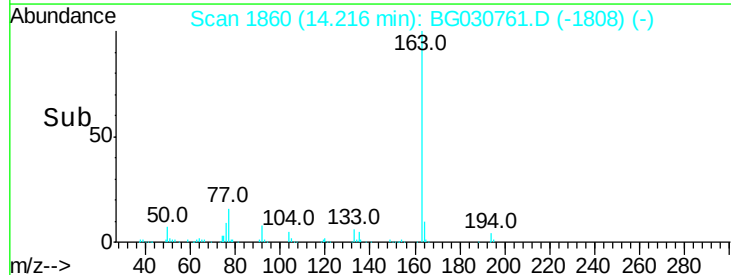
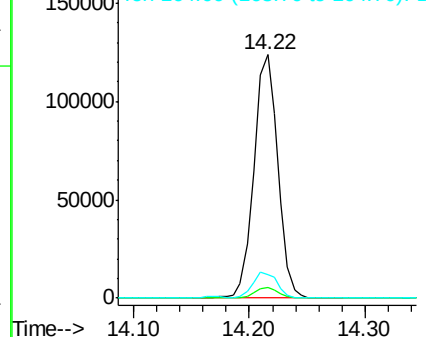


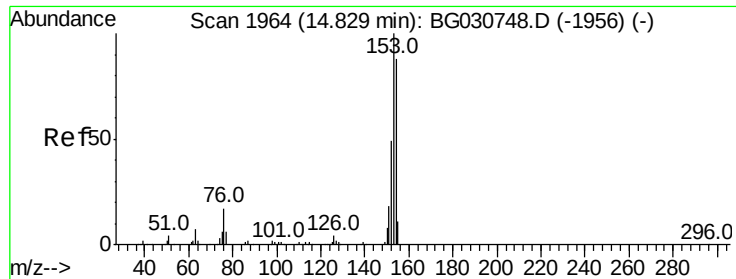
Abundance

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: 1.686 ng/ul

RT: 14.84 min Scan# 1966

Delta R.T. 0.01 min

Lab File: BG030761.D

Acq: 6 Nov 2017 5:22

Instrument :

BNA_G

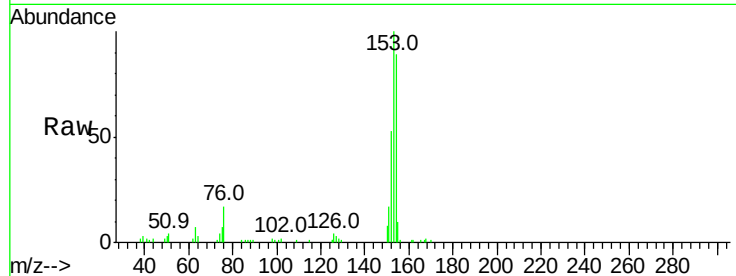
ClientSampled :

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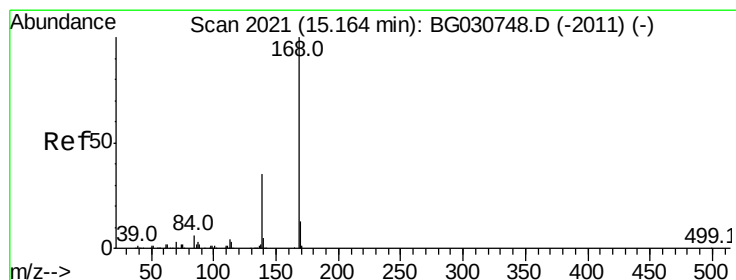
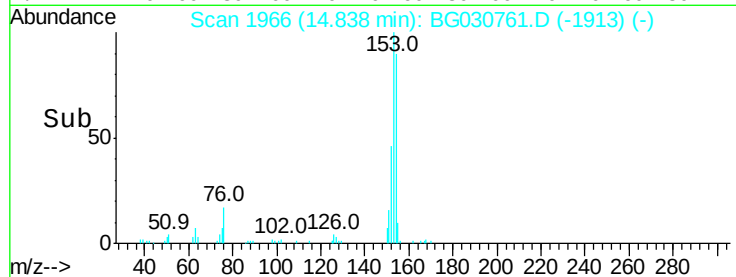
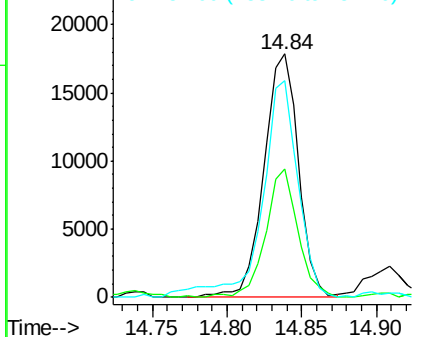
Tot Ion:	153	Resp:	28621
Ion Ratio	Lower	Upper	
153	100		
152	52.8	38.2	57.2
154	89.0	70.6	105.8

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 1.248 ng/ul

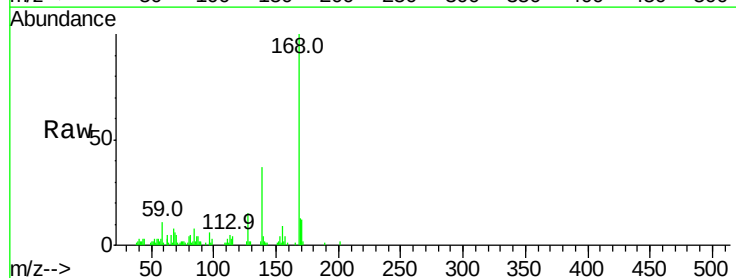
RT: 15.17 min Scan# 2022

Delta R.T. 0.00 min

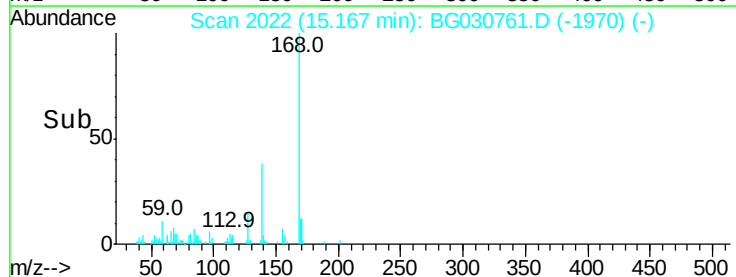
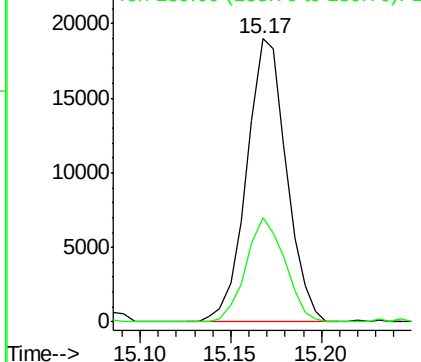
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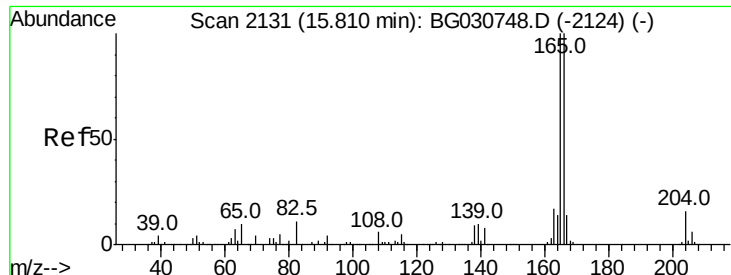
Acq: 6 Nov 2017 5:22

Tgt Ion:	168	Resp:	28962
Ion Ratio	Lower	Upper	
168	100		
139	36.8	31.4	47.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





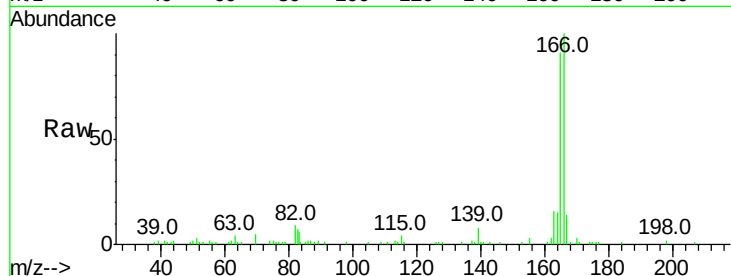
#58
 Fluorene
 Concen: 2.042 ng/ul
 RT: 15.81 min Scan# 2132
 Delta R.T. 0.00 min
 Lab File: BG030761.D
 Acq: 6 Nov 2017 5:22

Instrument :
 BNA_G
 ClientSampleId :
 B0EF5

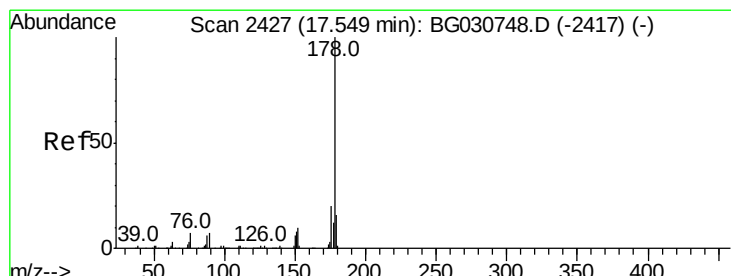
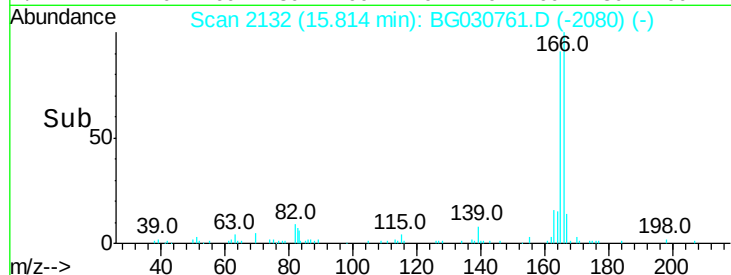
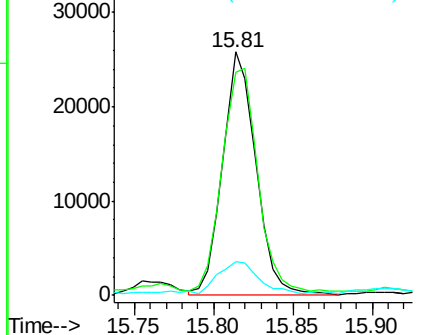
Tot Ion	Ratio	Lower	Upper
166	100		
165	91.5	79.9	119.9
167	13.8	10.6	16.0

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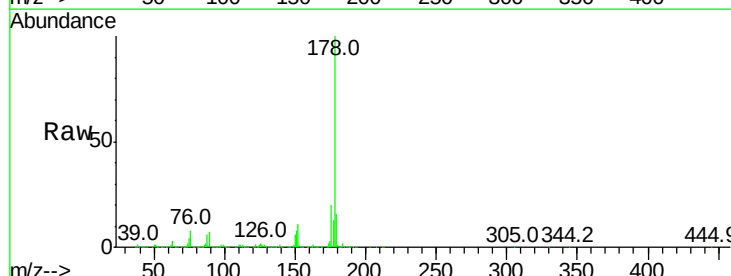


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

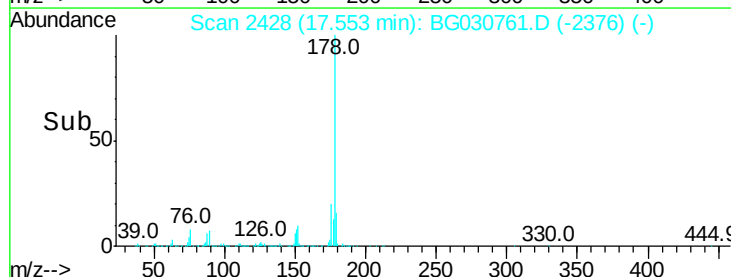
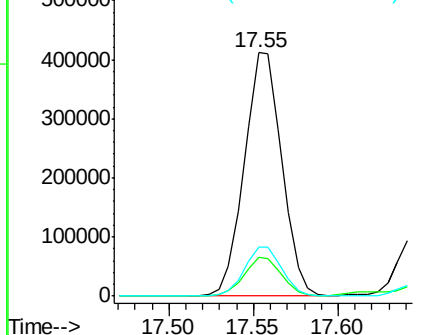


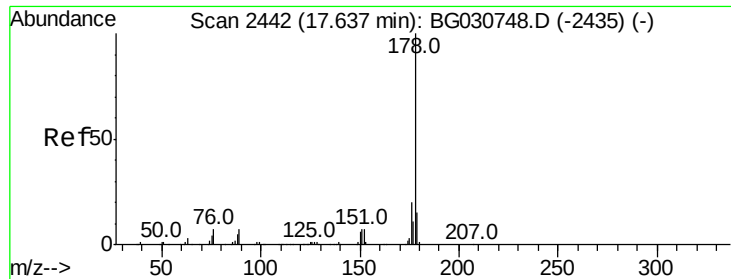
#69
 Phenanthrene
 Concen: 21.173 ng/ul
 RT: 17.55 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BG030761.D
 Acq: 6 Nov 2017 5:22

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.1	13.0	19.6
176	20.1	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





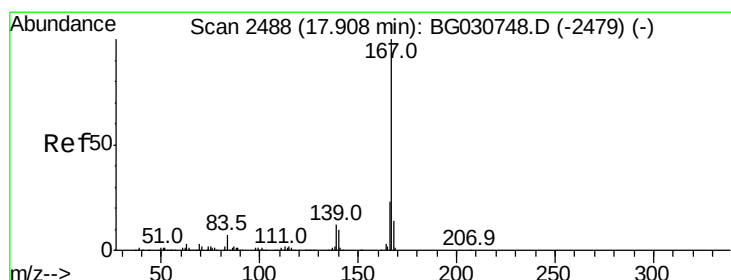
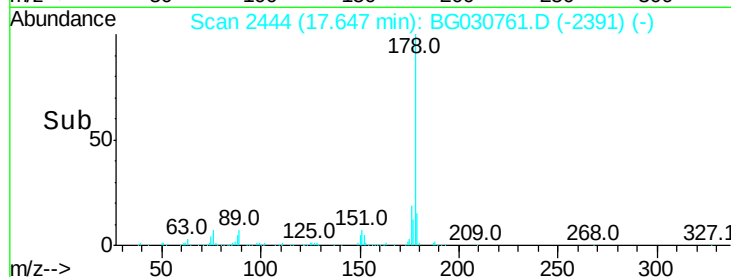
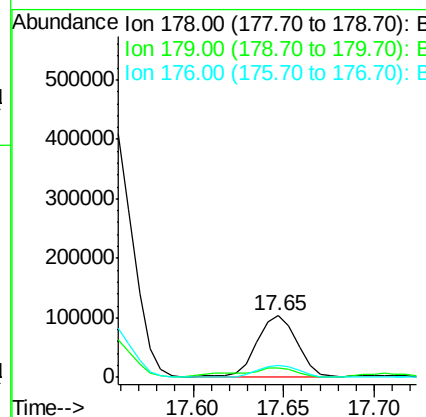
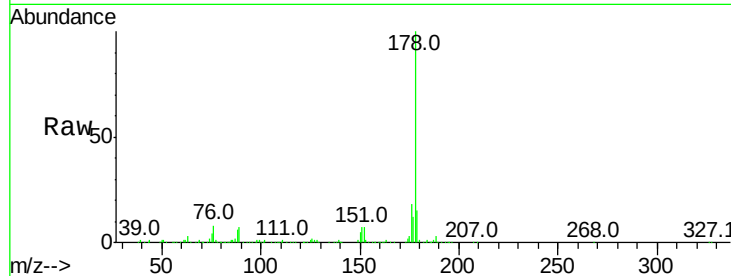
#71
 Anthracene
 Concen: 5.146 ng/ul
 RT: 17.65 min Scan# 2444
 Delta R.T. 0.01 min
 Lab File: BG030761.D
 Acq: 6 Nov 2017 5:22

Instrument :
 BNA_G
 ClientSampled :
 B0EF5

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	13.2	19.8
176	18.5	16.0	24.0

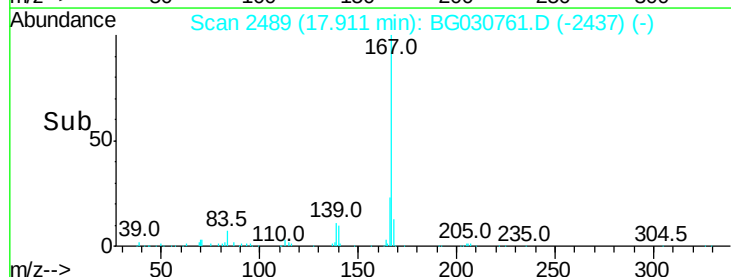
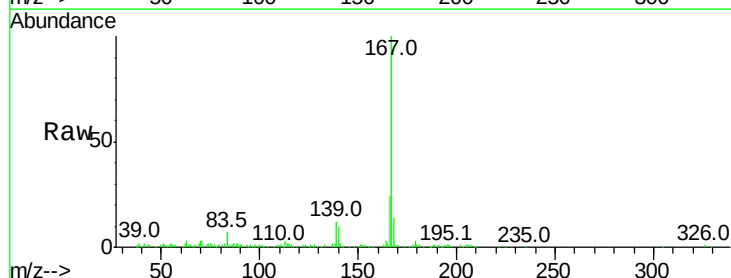
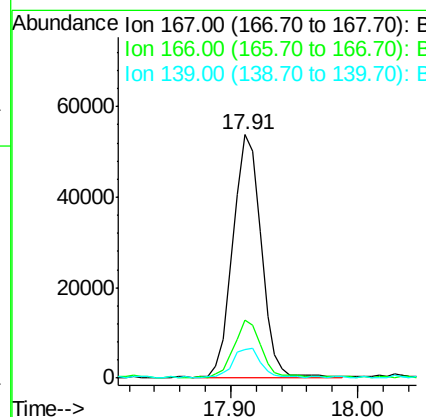
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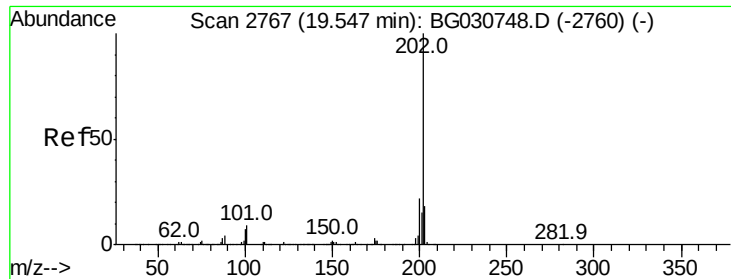
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#72
 Carbazole
 Concen: 2.962 ng/ul
 RT: 17.91 min Scan# 2489
 Delta R.T. 0.00 min
 Lab File: BG030761.D
 Acq: 6 Nov 2017 5:22

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.6	18.6	28.0
139	11.7	10.6	16.0





#74

Fluoranthene

Concen: 27.289 ng/ul

RT: 19.56 min Scan# 2769

Delta R.T. 0.01 min

Lab File: BG030761.D

Acq: 6 Nov 2017 5:22

Instrument :

BNA_G

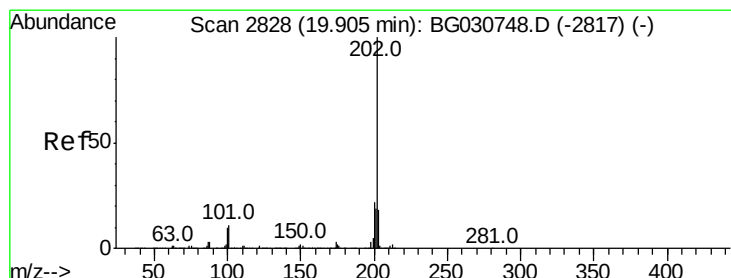
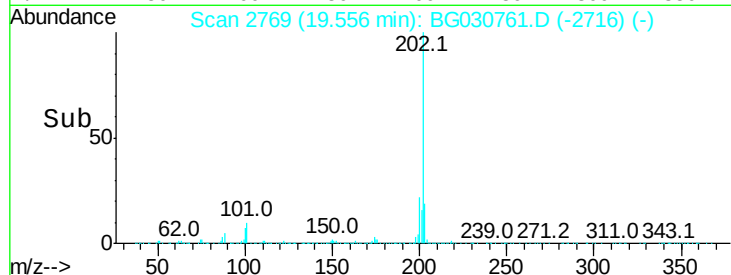
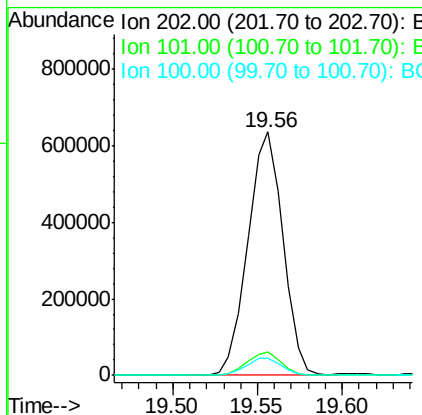
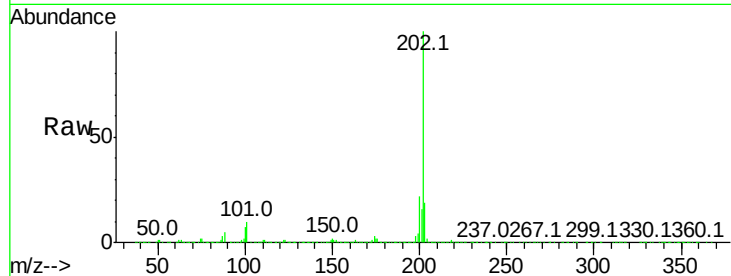
ClientSampleId :

B0EF5

Tot Ion:	202	Resp:	917591
Ion Ratio	Lower	Upper	
202	100		
101	9.8	7.4	11.2
100	7.1	5.6	8.4

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#77

Pyrene

Concen: 19.421 ng/ul

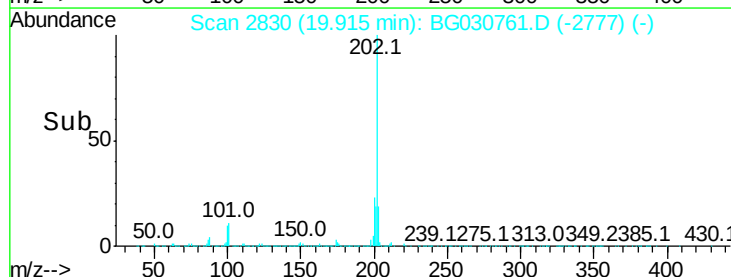
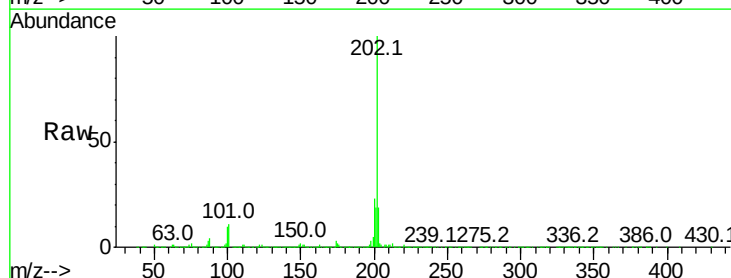
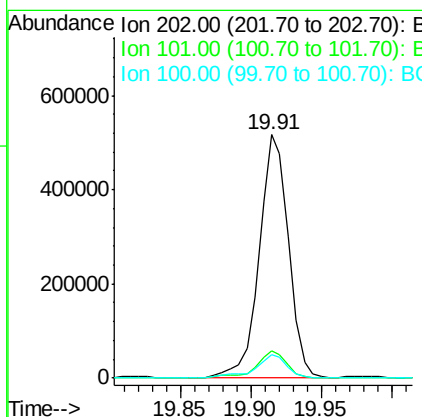
RT: 19.91 min Scan# 2830

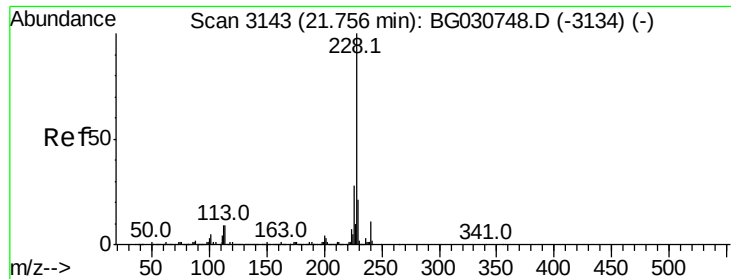
Delta R.T. 0.01 min

Lab File: BG030761.D

Acq: 6 Nov 2017 5:22

Tgt Ion:	202	Resp:	751342
Ion Ratio	Lower	Upper	
202	100		
101	11.4	8.4	12.6
100	9.6	7.0	10.6





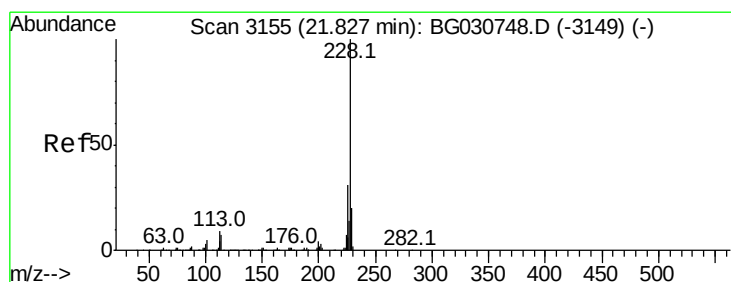
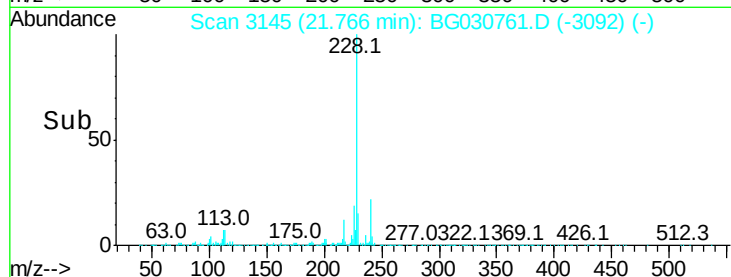
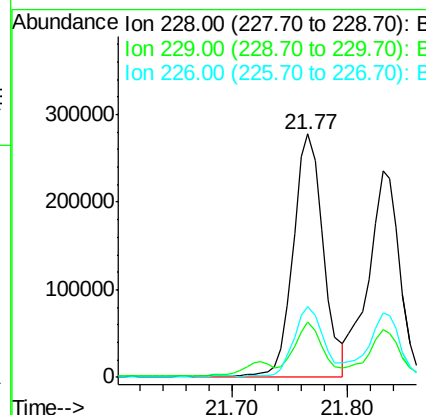
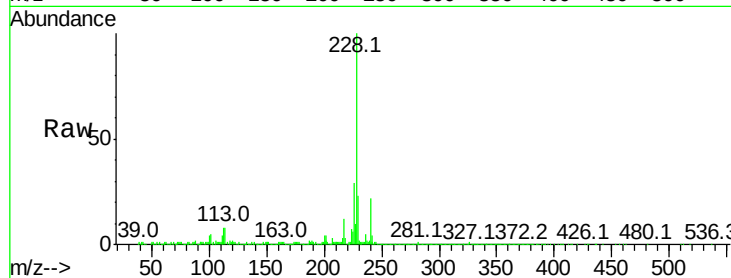
#80
Benzo(a)anthracene
Concen: 13.833 ng/ul
RT: 21.77 min Scan# 3145
Delta R.T. 0.01 min
Lab File: BG030761.D
Acq: 6 Nov 2017 5:22

Instrument :
BNA_G
ClientSampleId :
B0EF5

Tot Ion	Ratio	Lower	Upper
228	100		
229	22.6	16.2	24.4
226	29.0	22.2	33.2

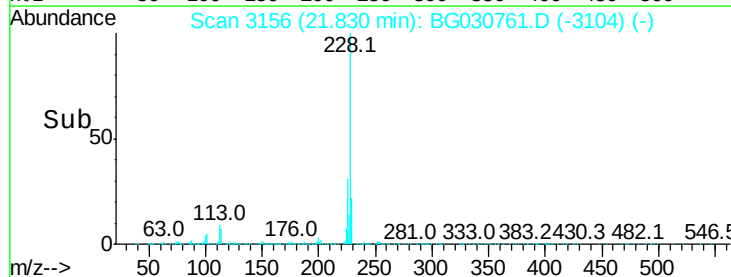
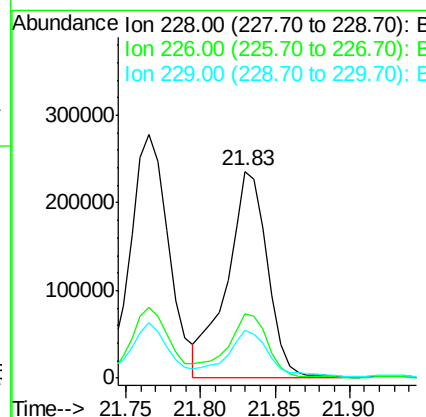
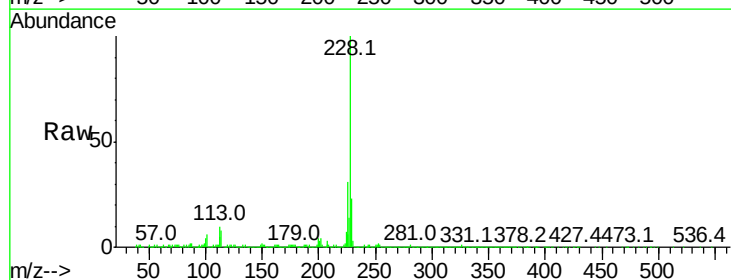
Manual Integrations
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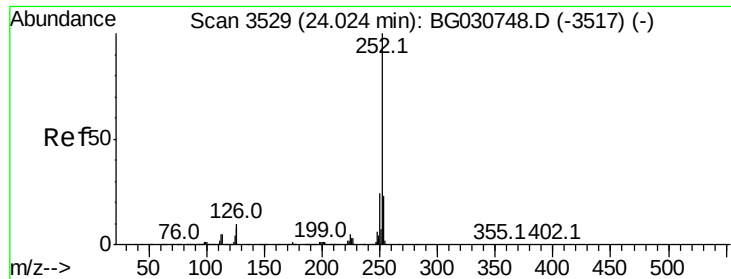
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#82
Chrysene
Concen: 13.677 ng/ul m
RT: 21.83 min Scan# 3156
Delta R.T. 0.00 min
Lab File: BG030761.D
Acq: 6 Nov 2017 5:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.2	36.2
229	23.1	15.2	22.8#





#85

Benzo(b)fluoranthene

Concen: 15.103 ng/ul

RT: 24.05 min Scan# 3533

Delta R.T. 0.02 min

Lab File: BG030761.D

Acq: 6 Nov 2017 5:22

Instrument :

BNA_G

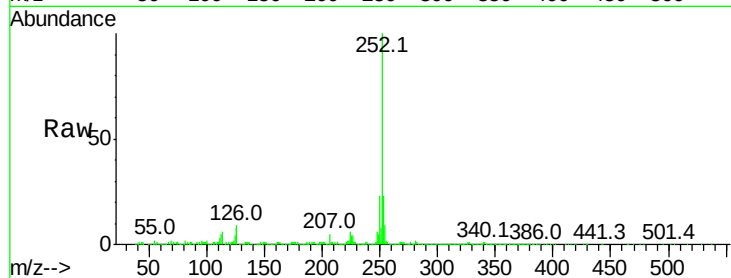
ClientSampled :

B0EF5

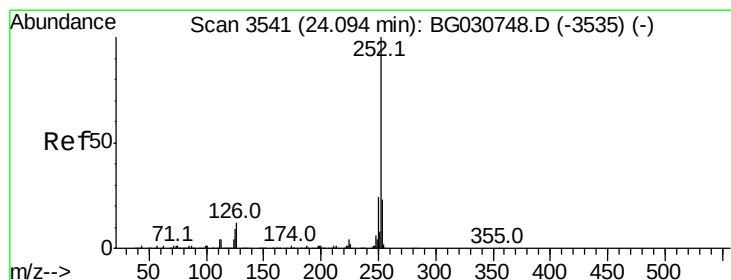
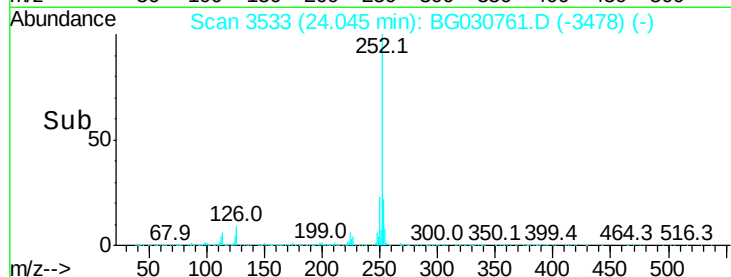
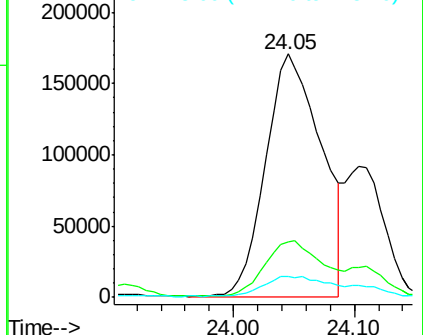
Tot Ion:	252	Resp:	542524
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.0	25.4
125	8.3	7.5	11.3

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#86

Benzo(k)fluoranthene

Concen: 5.083 ng/ul

RT: 24.10 min Scan# 3543

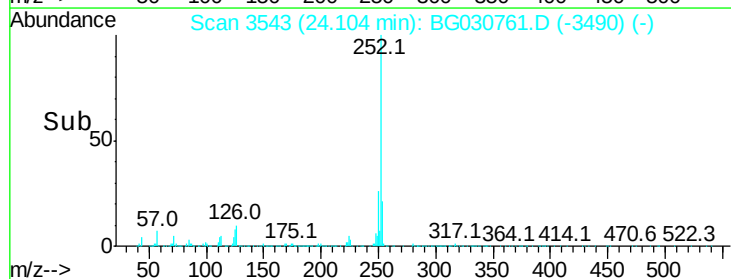
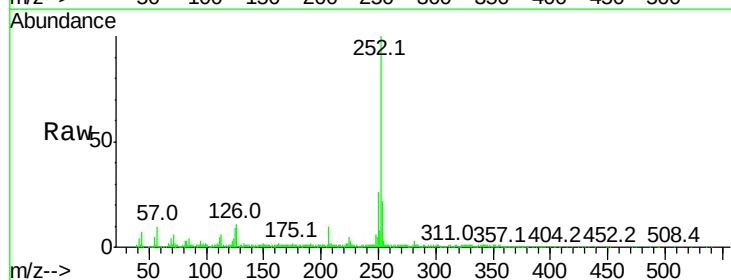
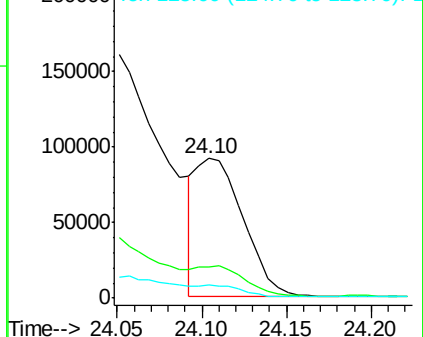
Delta R.T. 0.01 min

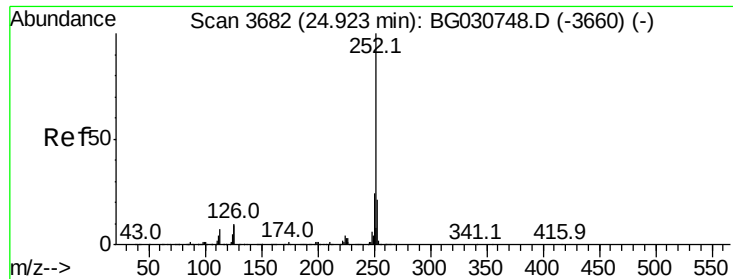
Lab File: BG030761.D

Acq: 6 Nov 2017 5:22

Tgt Ion:	252	Resp:	176524
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.2	25.8
125	9.2	7.8	11.8

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 11.377 ng/ul

RT: 24.94 min Scan# 3686

Delta R.T. 0.02 min

Lab File: BG030761.D

Acq: 6 Nov 2017 5:22

Instrument :

BNA_G

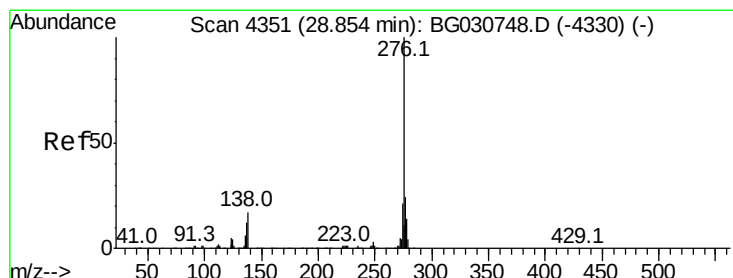
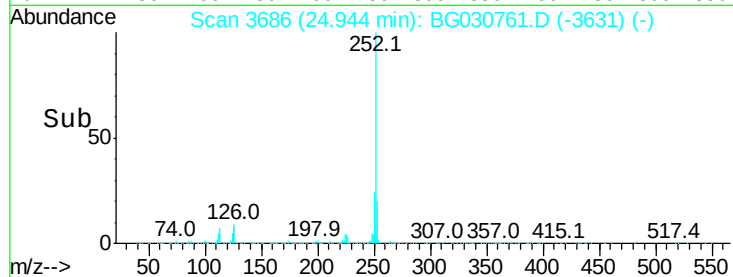
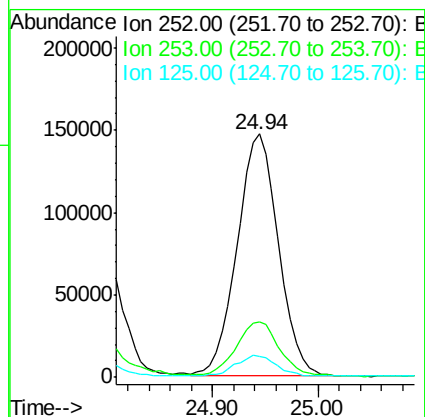
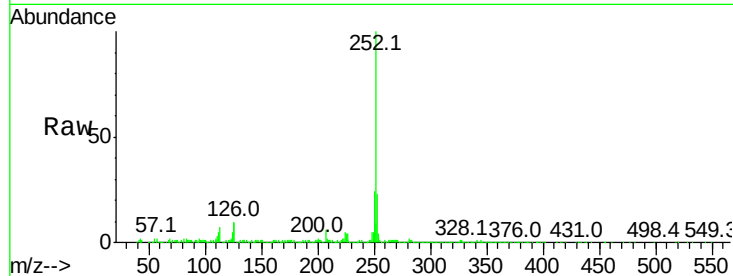
ClientSampleId :

B0EF5

Tot Ion:	252	Resp:	397810
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.1	25.7
125	8.8	7.8	11.8

Manual Integrations
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#89

Indeno(1,2,3-cd)pyrene

Concen: 6.758 ng/ul

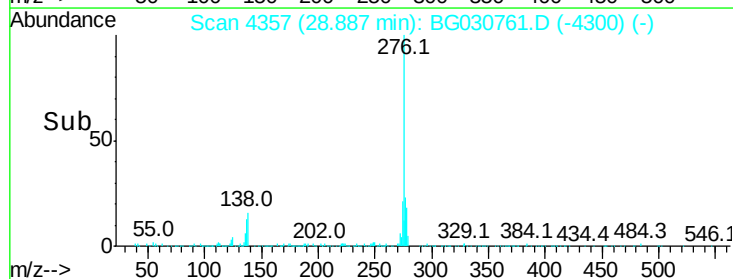
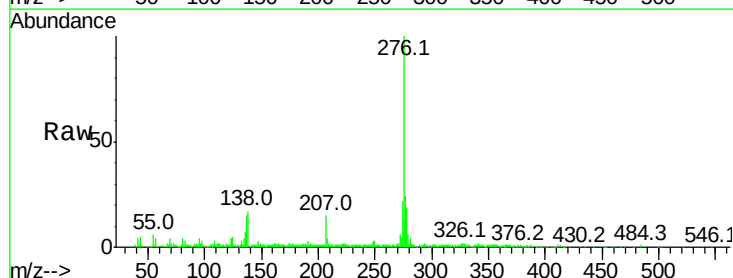
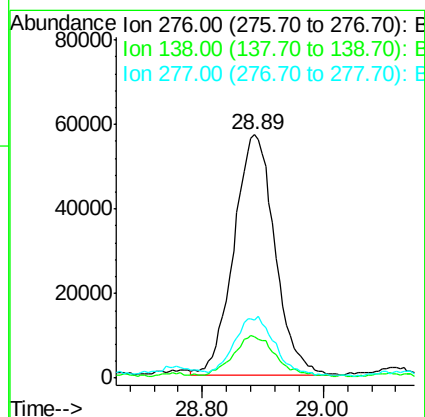
RT: 28.89 min Scan# 4357

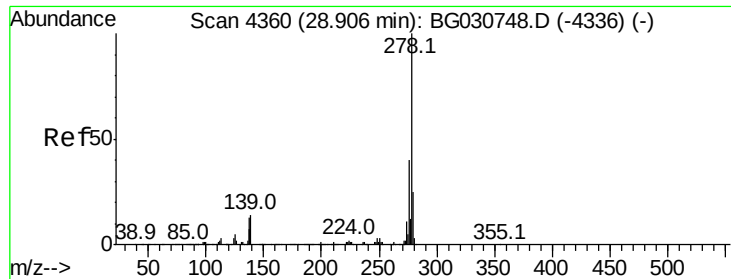
Delta R.T. 0.03 min

Lab File: BG030761.D

Acq: 6 Nov 2017 5:22

Tgt Ion:	276	Resp:	267331
Ion Ratio	Lower	Upper	
276	100		
138	16.7	13.4	20.0
277	23.7	18.6	28.0





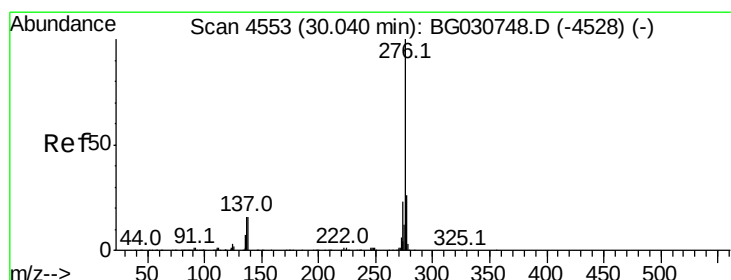
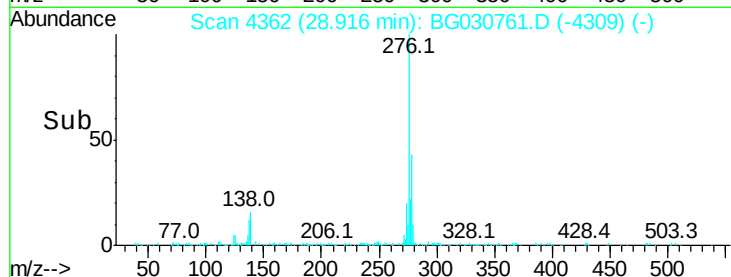
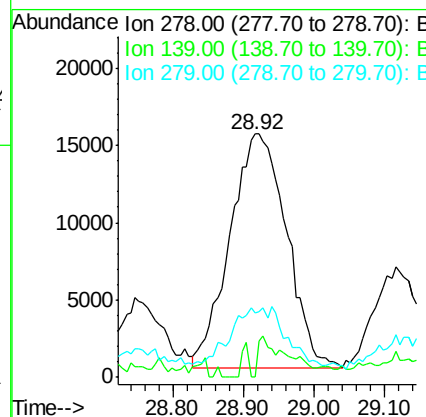
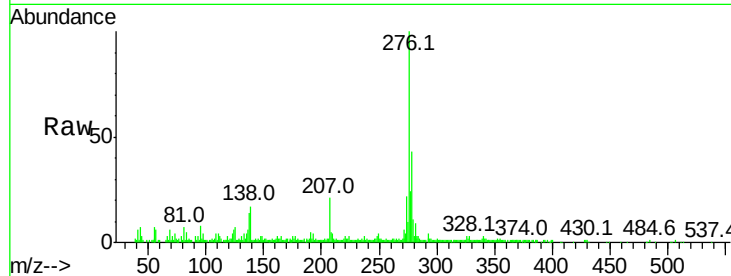
#90
Dibenzo(a,h)anthracene
Concen: 2.574 ng/ul
RT: 28.92 min Scan# 4362
Delta R.T. 0.01 min
Lab File: BG030761.D
Acq: 6 Nov 2017 5:22

Instrument :
BNA_G
ClientSampleId :
B0EF5

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	9.4	14.2#
279	26.4	18.4	27.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.903 ng/ul
RT: 30.08 min Scan# 4560
Delta R.T. 0.04 min
Lab File: BG030761.D
Acq: 6 Nov 2017 5:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.6	12.1	18.1
277	23.9	17.7	26.5

