

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG110717\
 Data File : BG030831.D
 Acq On : 8 Nov 2017 5:46
 Operator : SJ/JU
 Sample : I6222-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0EQ8

Manual Integrations
 APPROVED

Sohil
 11/8/2017 5:30:06 PM

Quant Time: Nov 08 06:22:19 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	74915	20.00	ng/ul	0.00
18) Naphthalene-d8	10.97	136	358473	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	225639	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.51	188	514493	20.00	ng/ul	0.00
75) Chrysene-d12	21.79	240	528063	20.00	ng/ul	0.00
83) Perylene-d12	25.10	264	564077	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	5302	2.88	ng/uL	0.00
5) Phenol-d5	7.31	99	125007	17.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	73976	16.44	ng/ul	0.00
9) 2-Chlorophenol-d4	7.68	132	104060	20.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	101634	17.50	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	53878	20.94	ng/ul	0.00
22) 2-Nitrophenol-d4	10.04	143	63105	23.93	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	114507	19.06	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	109764	15.72	ng/ul	0.00
43) Dimethylphthalate-d6	14.16	166	364746	18.91	ng/ul	0.00
46) Acenaphthylene-d8	14.47	160	455488	19.42	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	47302	13.28	ng/ul	0.00
57) Fluorene-d10	15.76	176	338603	21.43	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.88	200	33003	13.14	ng/ul	0.00
70) Anthracene-d10	17.61	188	508117	20.88	ng/ul	0.00
76) Pyrene-d10	19.89	212	551584	20.18	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.87	264	551225	20.63	ng/ul	0.01

Target Compounds

					Ovalue	
6) Phenol	7.34	94	14946	2.009	ng/ul#	83
44) Dimethylphthalate	14.21	163	28929	1.537	ng/ul	99
47) Acenaphthylene	14.49	152	69682	2.912	ng/ul#	92
49) Acenaphthene	14.83	153	20528	1.254	ng/ul	100
58) Fluorene	15.81	166	35832	2.007	ng/ul	96
69) Phenanthrene	17.55	178	694997	24.988	ng/ul	97
71) Anthracene	17.64	178	133221	4.642	ng/ul	100
72) Carbazole	17.91	167	62105	2.408	ng/ul	97
74) Fluoranthene	19.56	202	1666981	53.629	ng/ul	98
77) Pyrene	19.92	202	1661571	46.949	ng/ul	96
80) Benzo(a)anthracene	21.77	228	1074956	32.482	ng/ul	97
82) Chrysene	21.84	228	1064841	35.413	ng/ul	95
85) Benzo(b)fluoranthene	24.05	252	1226593	36.222	ng/ul	96
86) Benzo(k)fluoranthene	24.11	252	404897m	12.367	ng/ul	
88) Benzo(a)pyrene	24.95	252	830306	25.189	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	28.89	276	608729	16.323	ng/ul	97
90) Dibenzo(a,h)anthracene	28.93	278	168002	5.423	ng/ul#	89
91) Benzo(g,h,i)perylene	30.09	276	480457	15.542	ng/ul	95

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

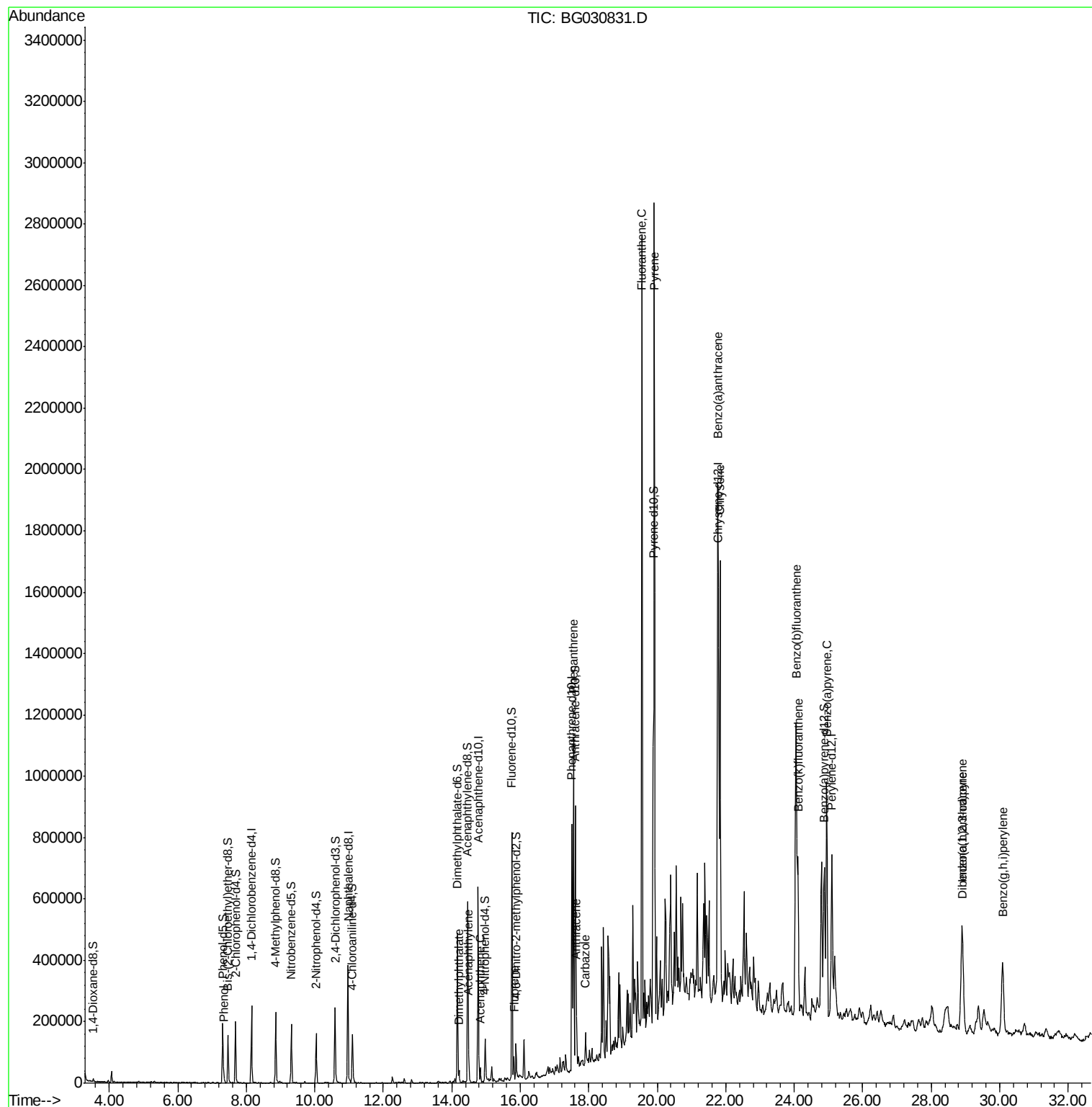
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG110717\
Data File : BG030831.D
Acq On : 8 Nov 2017 5:46
Operator : SJ/JU
Sample : I6222-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

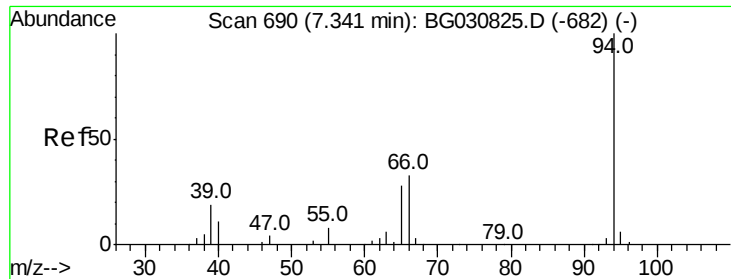
Instrument :
BNA_G
ClientSampleId :
B0EQ8

Manual Integrations
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Sohil
11/8/2017 5:30:06 PM

Quant Time: Nov 08 06:22:19 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: 2.009 ng/ul

RT: 7.34 min Scan# 690

Delta R.T. 0.00 min

Lab File: BG030831.D

Acq: 8 Nov 2017 5:46

Instrument :

BNA_G

ClientSampled :

B0EQ8

Tot Ion: 94 Resp: 14946

Ion Ratio Lower Upper

94 100

65 23.4 27.1 40.7#

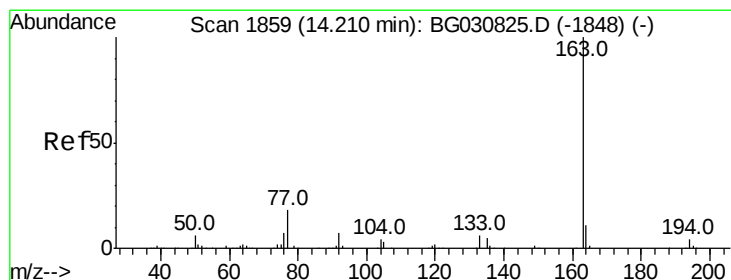
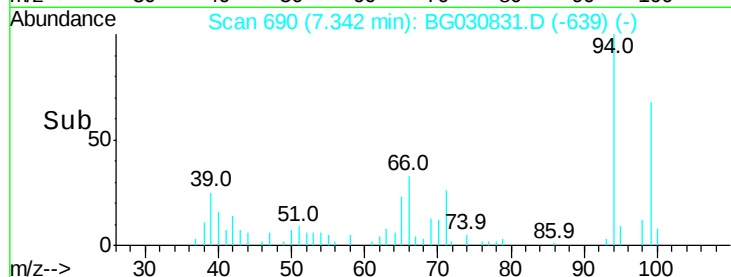
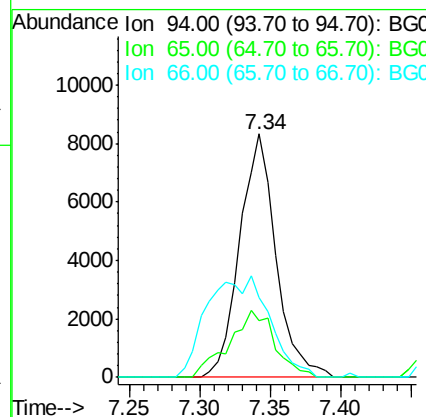
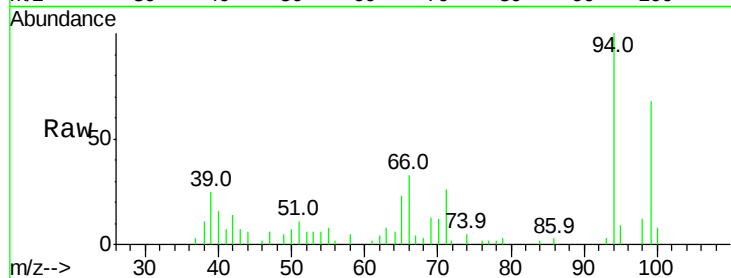
66 33.0 34.6 52.0#

Manual Integrations

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#44

Dimethylphthalate

Concen: 1.537 ng/ul

RT: 14.21 min Scan# 1859

Delta R.T. 0.00 min

Lab File: BG030831.D

Acq: 8 Nov 2017 5:46

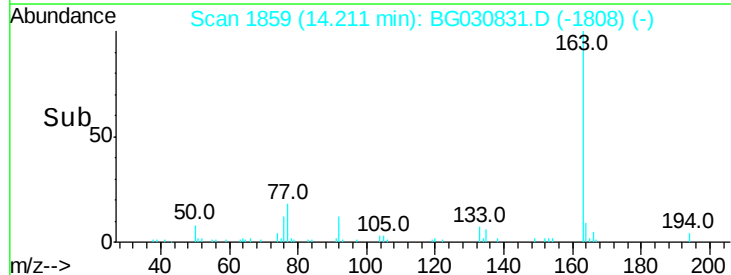
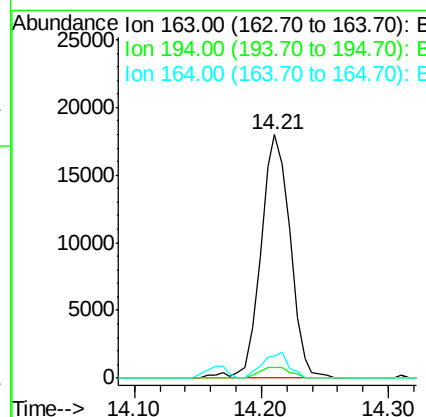
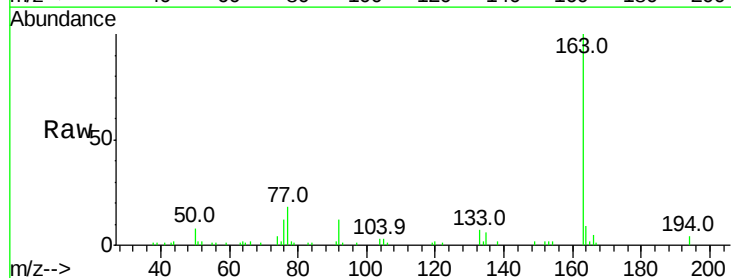
Tgt Ion:163 Resp: 28929

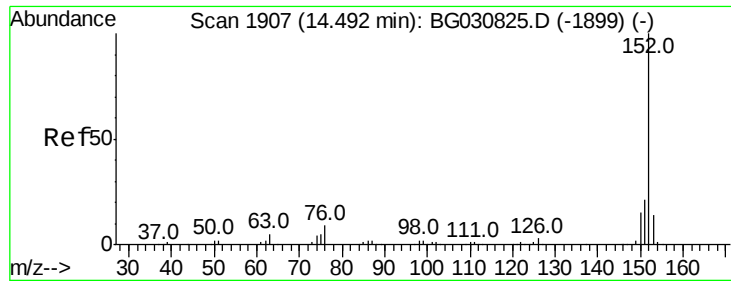
Ion Ratio Lower Upper

163 100

194 4.1 3.5 5.3

164 9.1 7.6 11.4





#47

Acenaphthylene

Concen: 2.912 ng/ul

RT: 14.49 min Scan# 1907

Delta R.T. 0.00 min

Lab File: BG030831.D

Acq: 8 Nov 2017 5:46

Instrument :

BNA_G

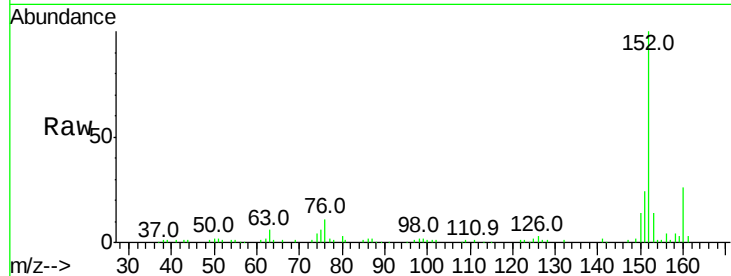
ClientSampled :

B0EQ8

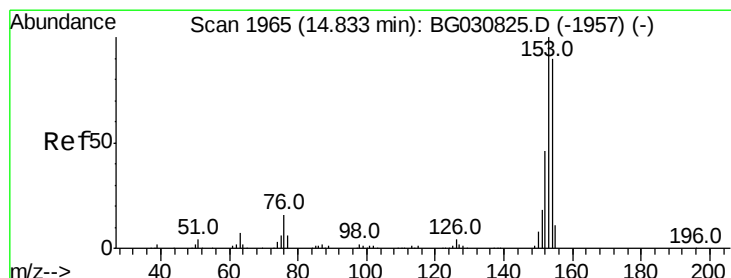
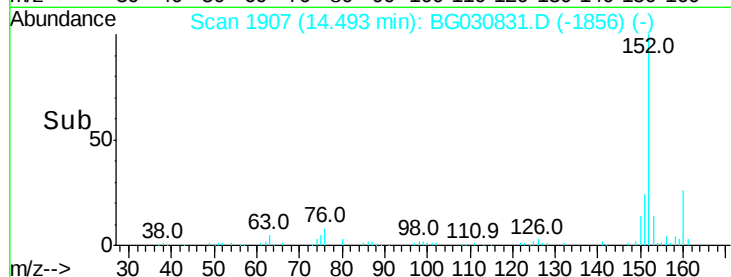
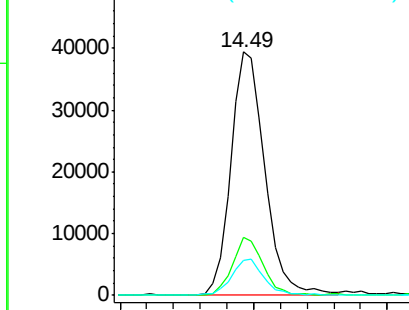
Tot Ion	Ratio	Resp	Lower	Upper
152	100	69682		
151	23.6		15.2	22.8#
153	14.4		10.2	15.4

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 1.254 ng/ul

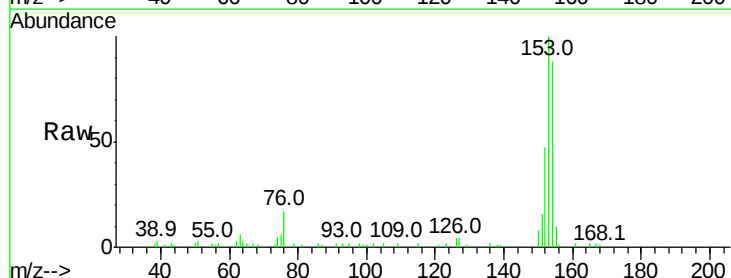
RT: 14.83 min Scan# 1965

Delta R.T. 0.00 min

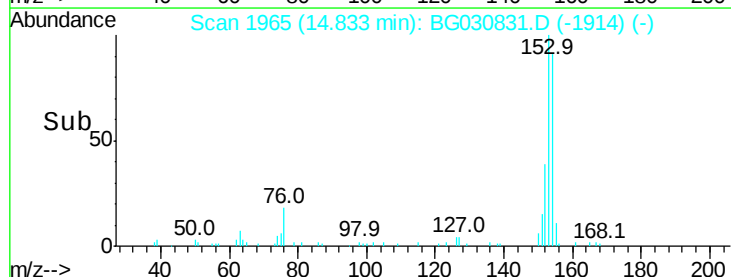
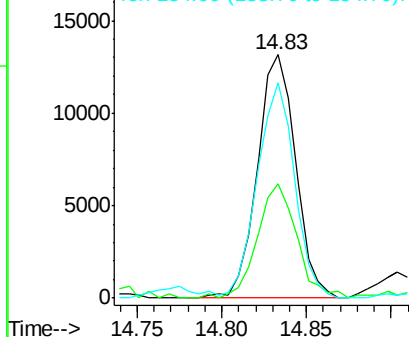
Lab File: BG030831.D

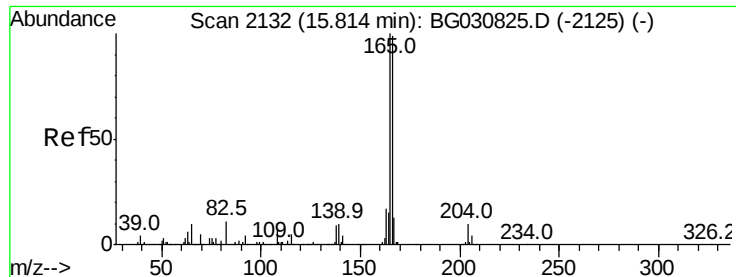
Acq: 8 Nov 2017 5:46

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	20528		
152	47.2		38.2	57.2
154	88.3		70.6	105.8



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





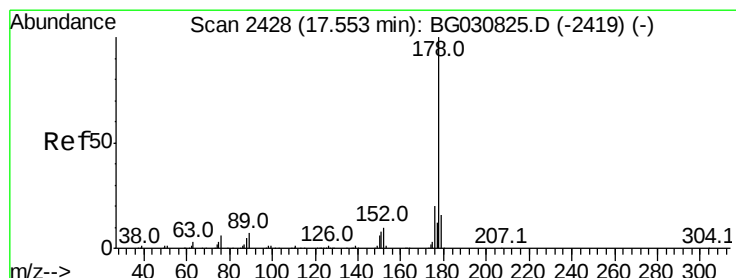
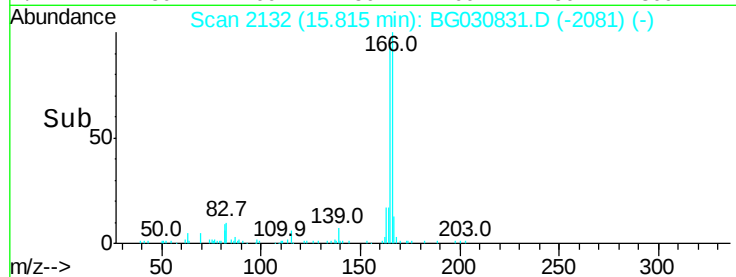
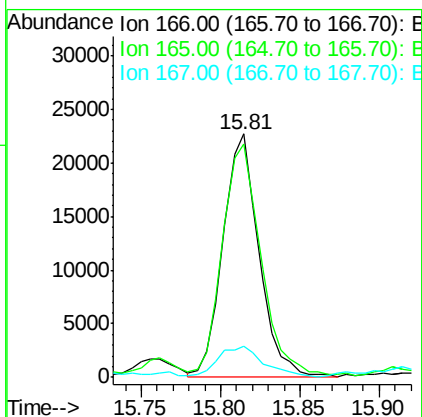
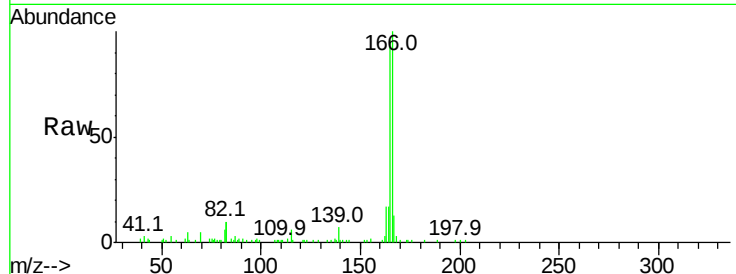
#58
 Fluorene
 Concen: 2.007 ng/ul
 RT: 15.81 min Scan# 2132
 Delta R.T. 0.00 min
 Lab File: BG030831.D
 Acq: 8 Nov 2017 5:46

Instrument :
 BNA_G
 ClientSampleId :
 B0EQ8

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	95.8	79.9	119.9	
167	12.7	10.6	16.0	

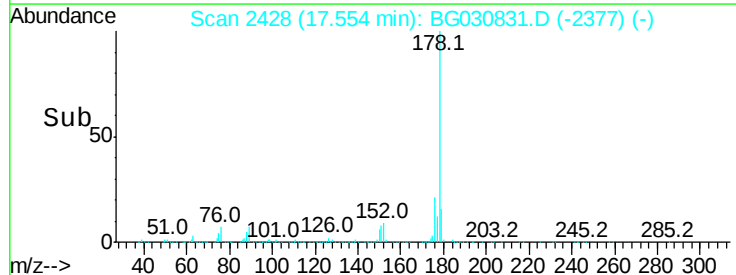
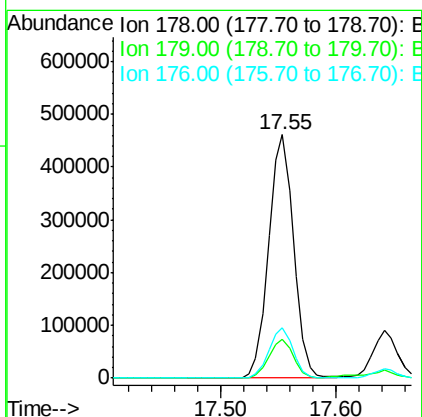
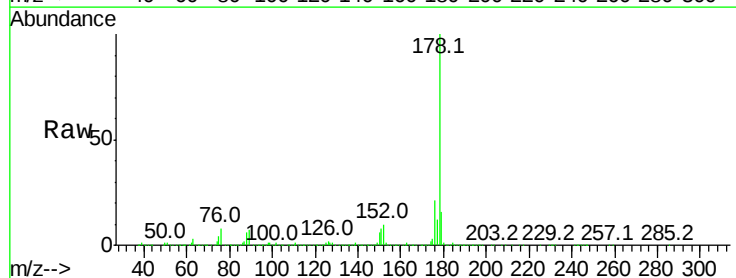
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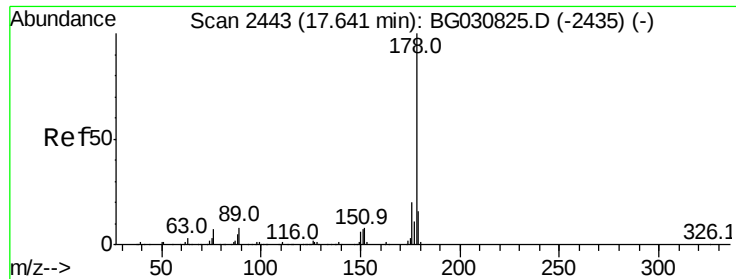
Sohil
 11/8/2017 5:30:06 PM



#69
 Phenanthrene
 Concen: 24.988 ng/ul
 RT: 17.55 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BG030831.D
 Acq: 8 Nov 2017 5:46

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
179	16.0	13.0	19.6	
176	20.9	15.3	22.9	





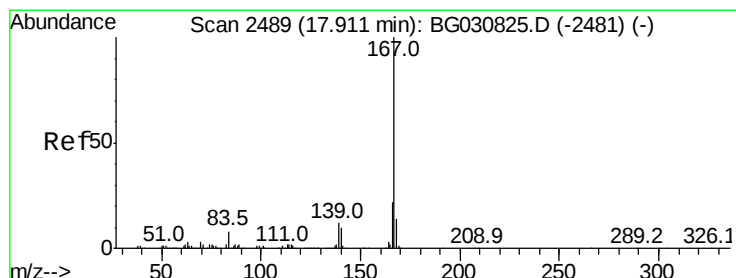
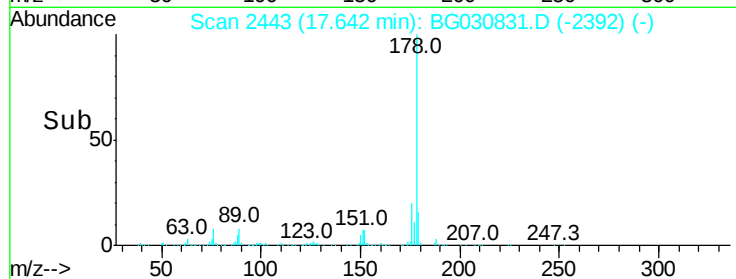
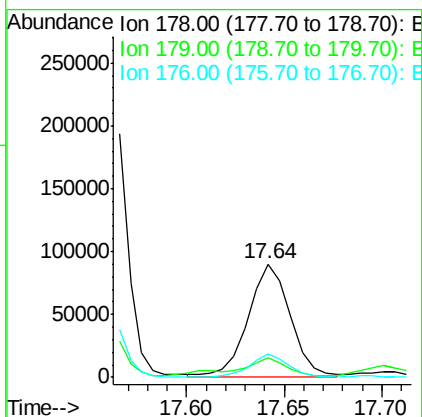
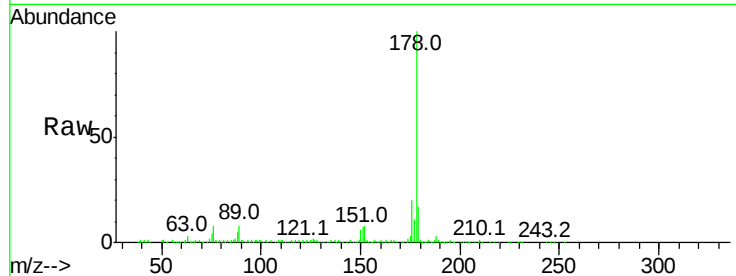
#71
 Anthracene
 Concen: 4.642 ng/ul
 RT: 17.64 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG030831.D
 Acq: 8 Nov 2017 5:46

Instrument :
 BNA_G
 ClientSampled :
 B0EQ8

Tot Ion:	178	Resp:	133221
Ion Ratio	Lower	Upper	
178	100		
179	16.8	13.2	19.8
176	20.1	16.0	24.0

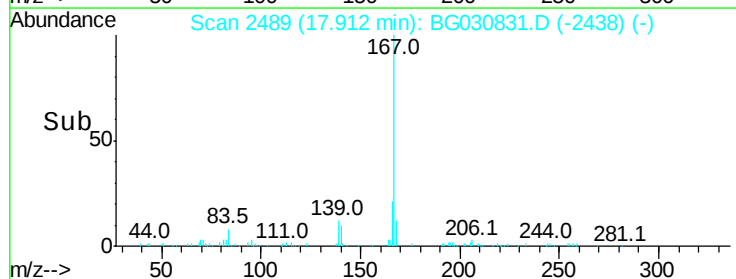
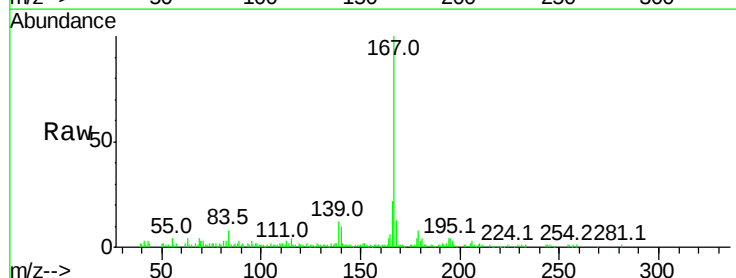
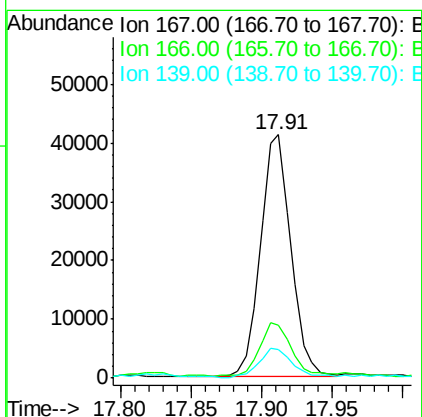
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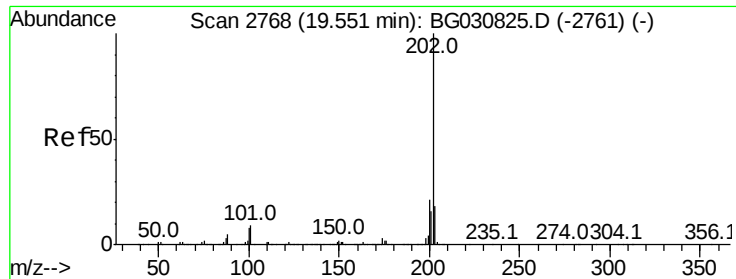
Sohil
 11/8/2017 5:30:06 PM



#72
 Carbazole
 Concen: 2.408 ng/ul
 RT: 17.91 min Scan# 2489
 Delta R.T. 0.00 min
 Lab File: BG030831.D
 Acq: 8 Nov 2017 5:46

Tgt Ion:	167	Resp:	62105
Ion Ratio	Lower	Upper	
167	100		
166	21.8	18.6	28.0
139	11.9	10.6	16.0





#74

Fluoranthene

Concen: 53.629 ng/ul

RT: 19.56 min Scan# 2769

Delta R.T. 0.01 min

Lab File: BG030831.D

Acq: 8 Nov 2017 5:46

Instrument :

BNA_G

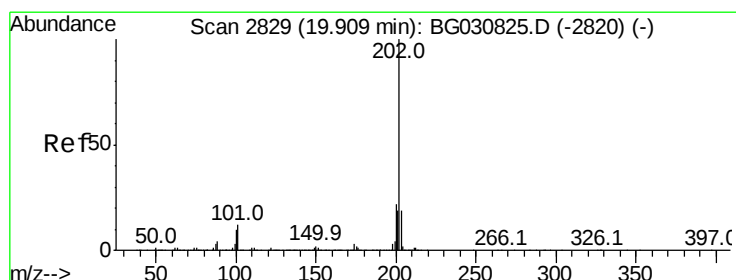
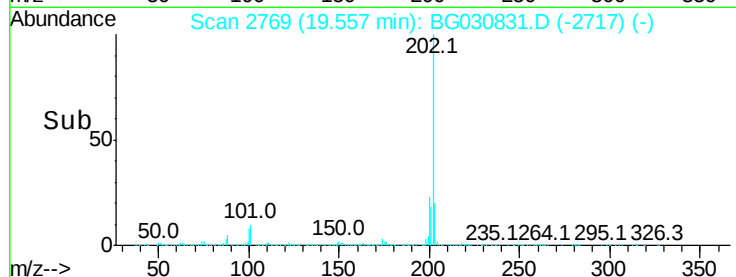
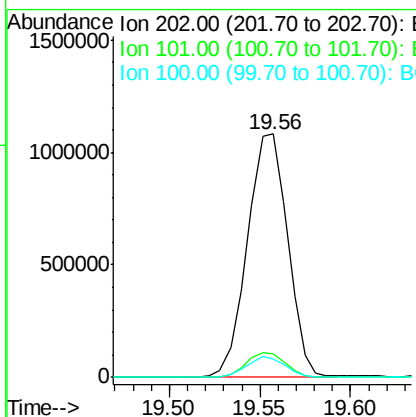
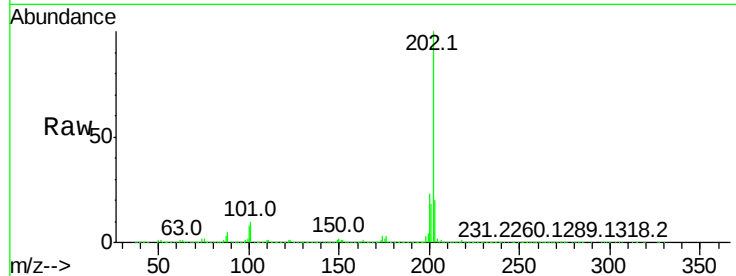
ClientSampled :

B0EQ8

Tot Ion:	202	Resp:	1666981
Ion Ratio	Lower	Upper	
202	100		
101	9.8	7.4	11.2
100	7.8	5.6	8.4

Manual Integrations
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#77

Pyrene

Concen: 46.949 ng/ul

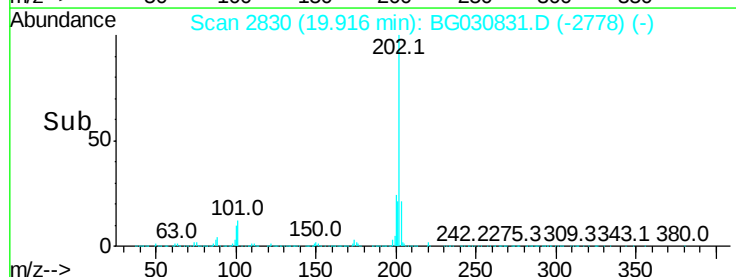
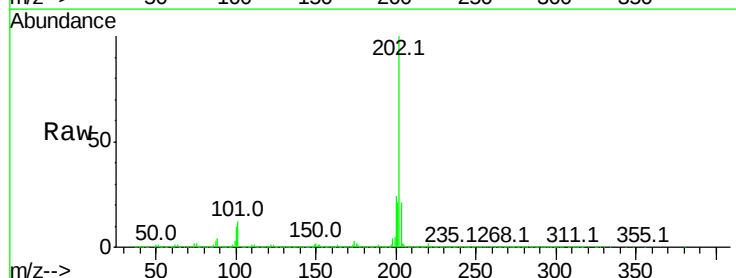
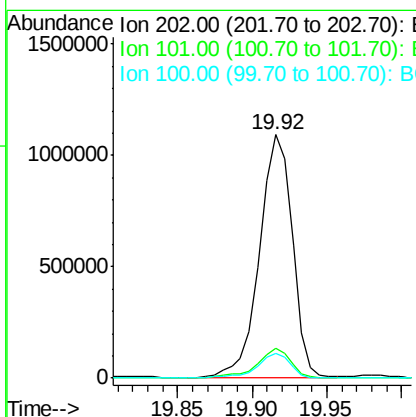
RT: 19.92 min Scan# 2830

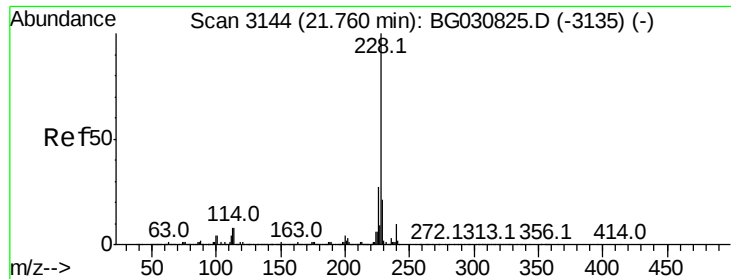
Delta R.T. 0.01 min

Lab File: BG030831.D

Acq: 8 Nov 2017 5:46

Tgt Ion:	202	Resp:	1661571
Ion Ratio	Lower	Upper	
202	100		
101	12.1	8.4	12.6
100	10.4	7.0	10.6





#80

Benzo(a)anthracene

Concen: 32.482 ng/ul

RT: 21.77 min Scan# 3145

Delta R.T. 0.01 min

Lab File: BG030831.D

Acq: 8 Nov 2017 5:46

Instrument :

BNA_G

ClientSampleId :

B0EQ8

Tot Ion:228 Resp: 1074956

Ion	Ratio	Lower	Upper
228	100		
229	21.8	16.2	24.4
226	29.3	22.2	33.2

228 100

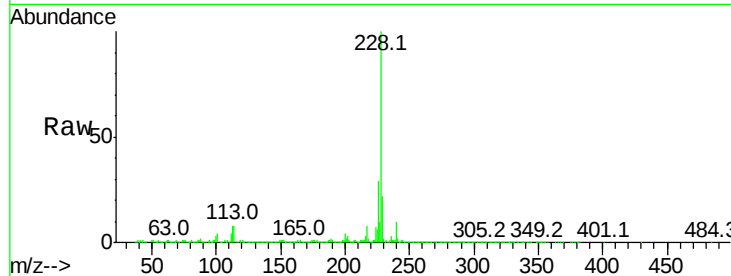
229 21.8 16.2 24.4

226 29.3 22.2 33.2

Manual Integrations
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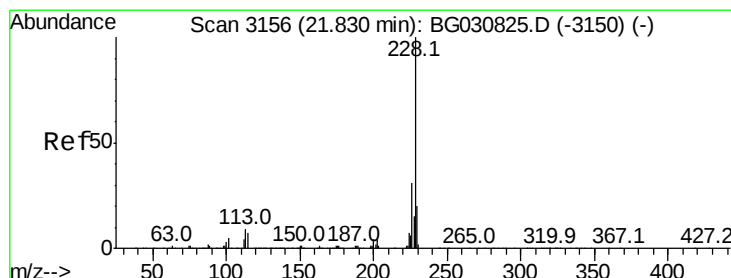
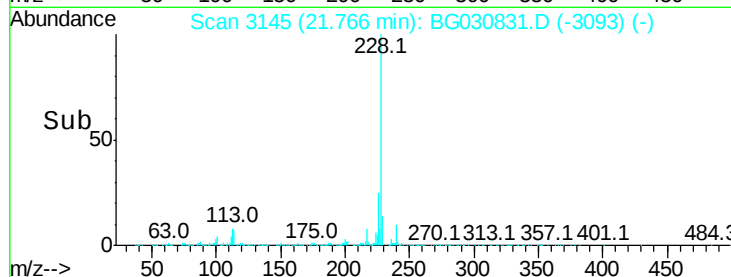
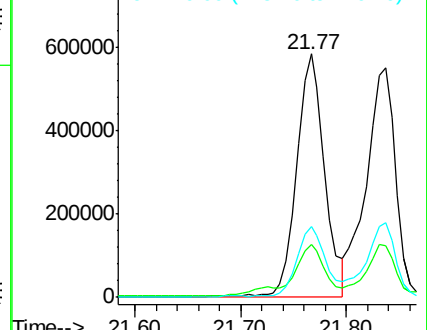


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#82

Chrysene

Concen: 35.413 ng/ul

RT: 21.84 min Scan# 3157

Delta R.T. 0.01 min

Lab File: BG030831.D

Acq: 8 Nov 2017 5:46

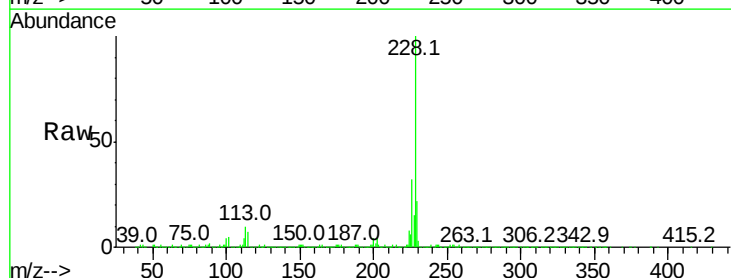
Tgt Ion:228 Resp: 1064841

Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.2	36.2
229	22.3	15.2	22.8

228 100

226 32.2 24.2 36.2

229 22.3 15.2 22.8

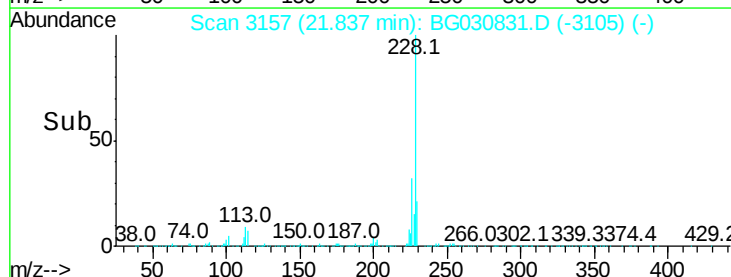
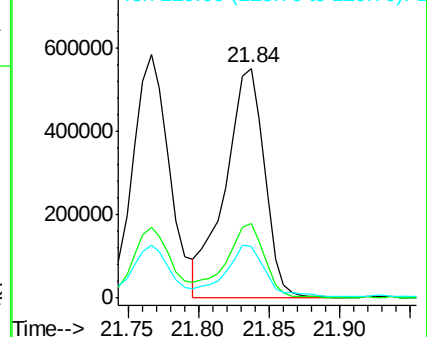


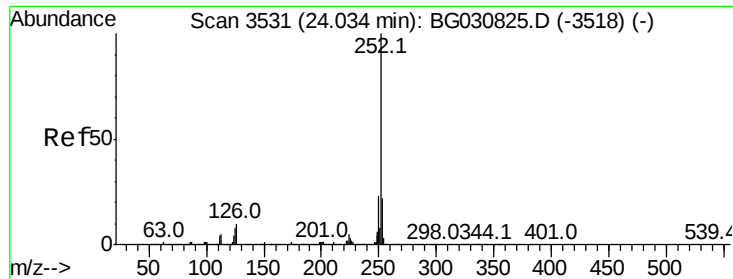
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 36.222 ng/ul

RT: 24.05 min Scan# 3534

Delta R.T. 0.02 min

Lab File: BG030831.D

Acq: 8 Nov 2017 5:46

Instrument :

BNA_G

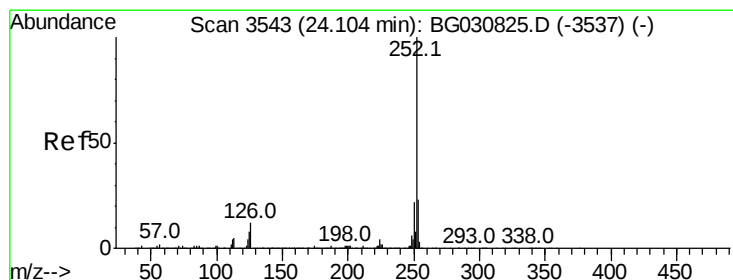
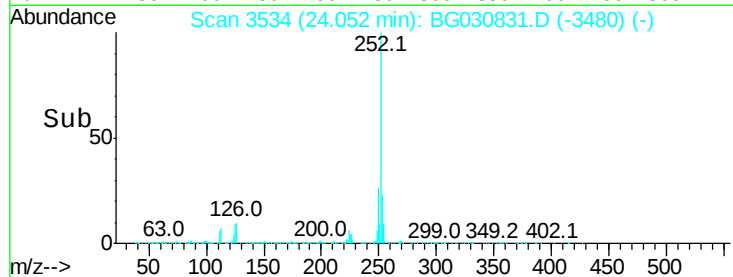
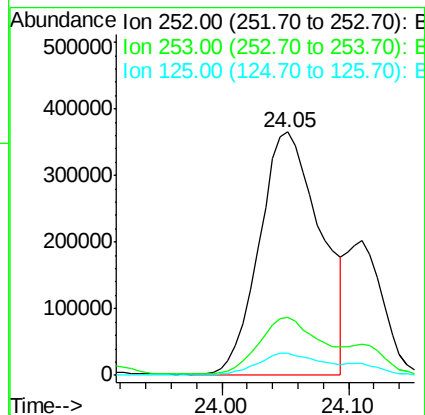
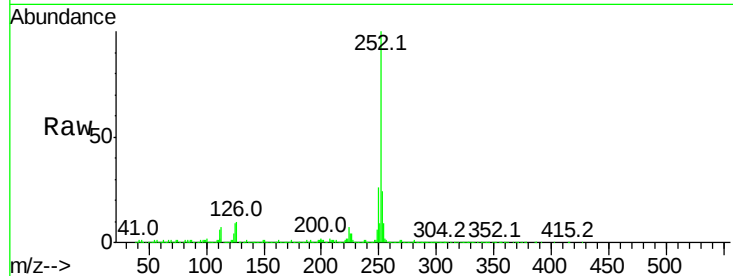
ClientSampled :

B0EQ8

Tot Ion:	252	Resp:	1226593
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.0	25.4
125	9.0	7.5	11.3

Manual Integrations
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#86

Benzo(k)fluoranthene

Concen: 12.367 ng/ul m

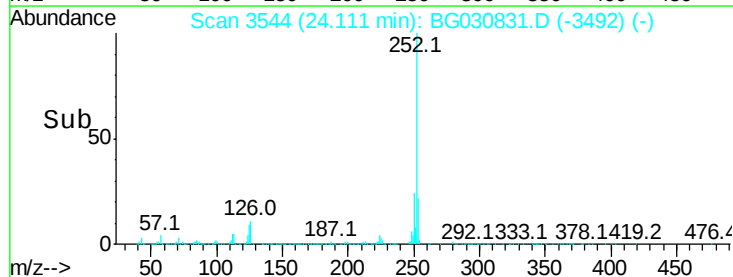
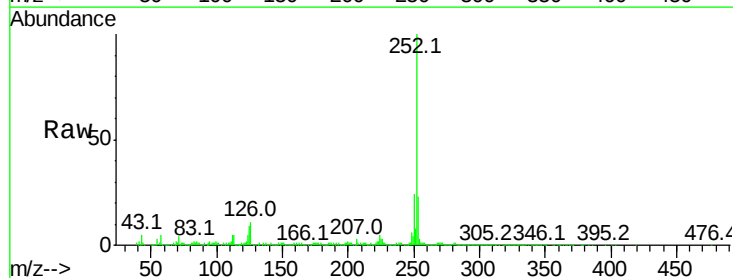
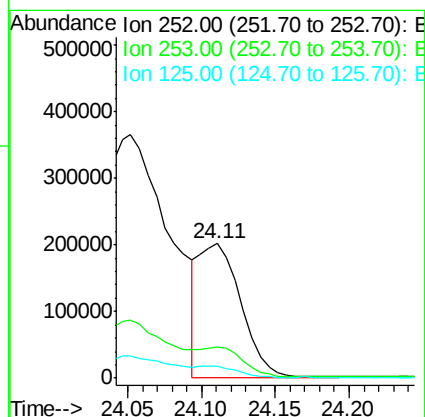
RT: 24.11 min Scan# 3544

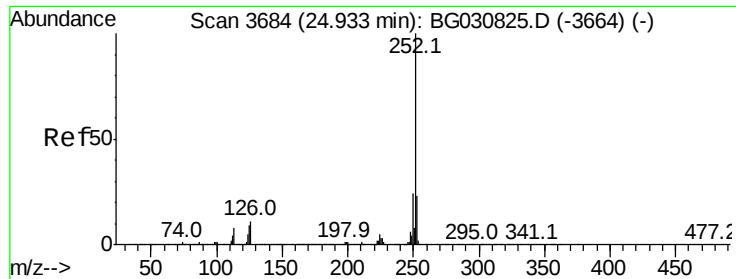
Delta R.T. 0.01 min

Lab File: BG030831.D

Acq: 8 Nov 2017 5:46

Tgt Ion:	252	Resp:	404897
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.2	25.8
125	9.1	7.8	11.8





#88

Benzo(a)pyrene

Concen: 25.189 ng/ul

RT: 24.95 min Scan# 3686

Delta R.T. 0.01 min

Lab File: BG030831.D

Acq: 8 Nov 2017 5:46

Instrument :

BNA_G

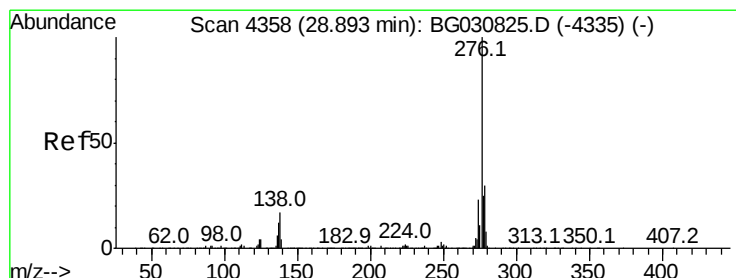
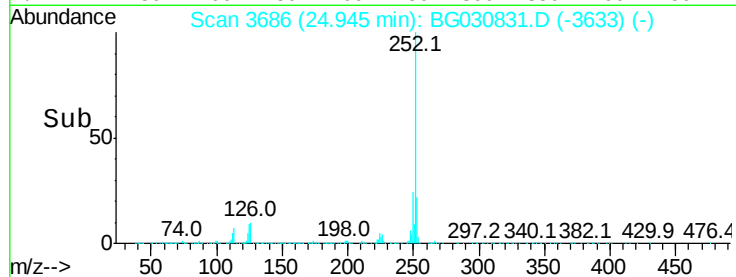
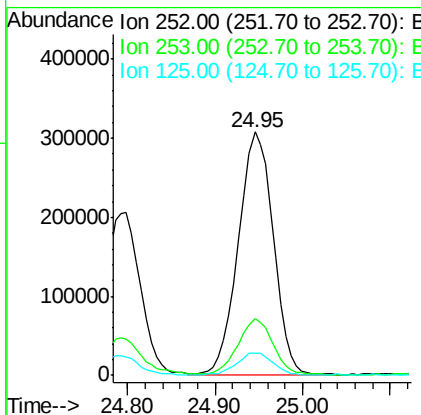
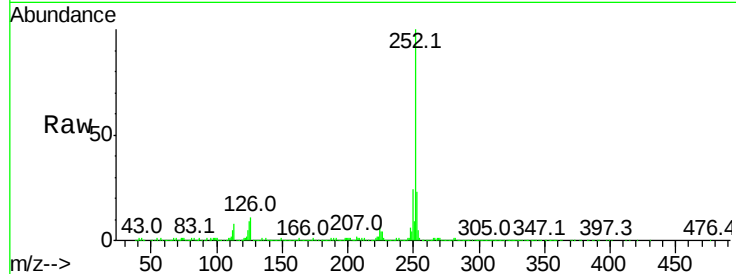
ClientSampleId :

B0EQ8

Tot Ion:	252	Resp:	830306
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.1	25.7
125	9.0	7.8	11.8

Manual Integrations
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11/8/2017 5:30:06 PM



#89

Indeno(1,2,3-cd)pyrene

Concen: 16.323 ng/ul

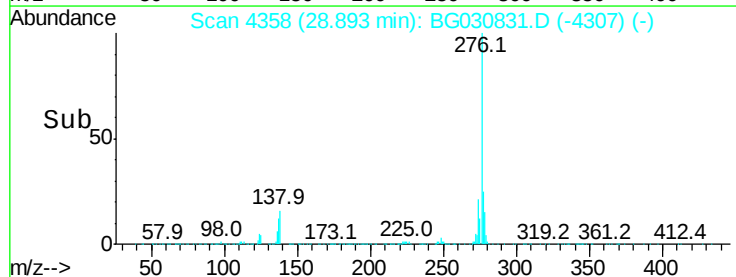
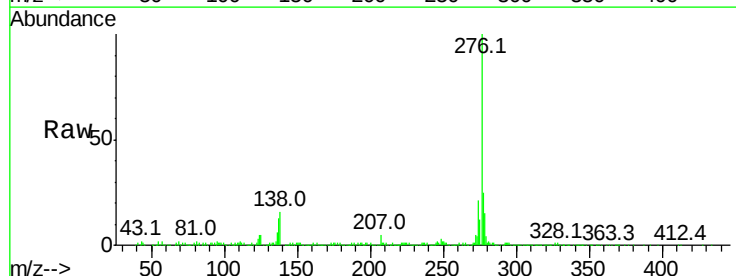
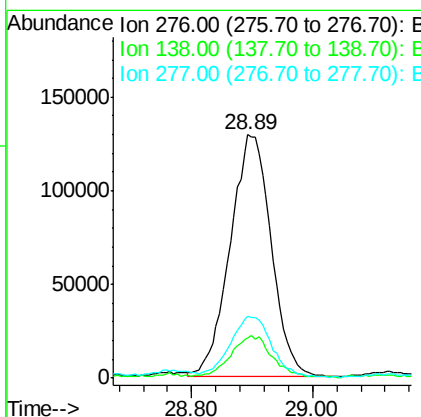
RT: 28.89 min Scan# 4358

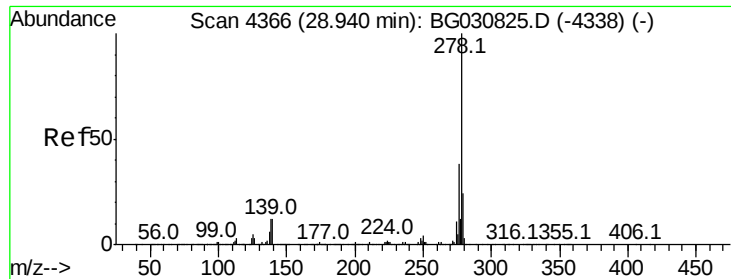
Delta R.T. 0.00 min

Lab File: BG030831.D

Acq: 8 Nov 2017 5:46

Tgt Ion:	276	Resp:	608729
Ion Ratio	Lower	Upper	
276	100		
138	16.3	13.4	20.0
277	25.3	18.6	28.0





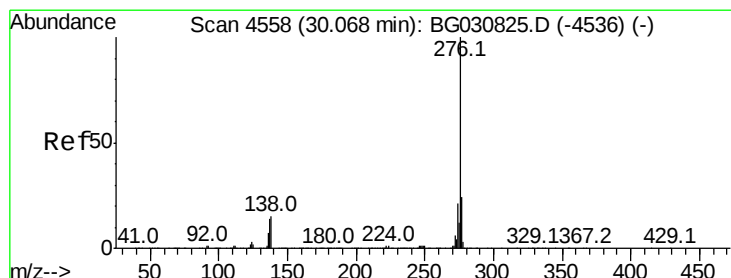
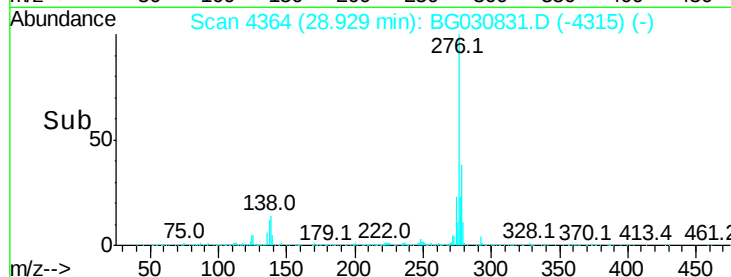
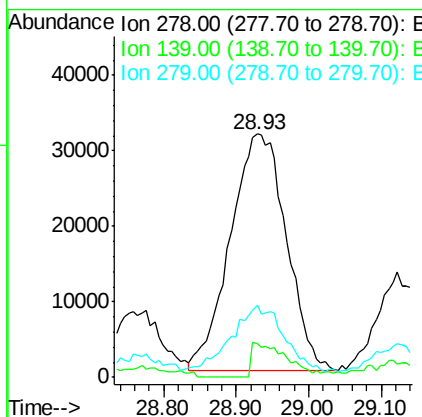
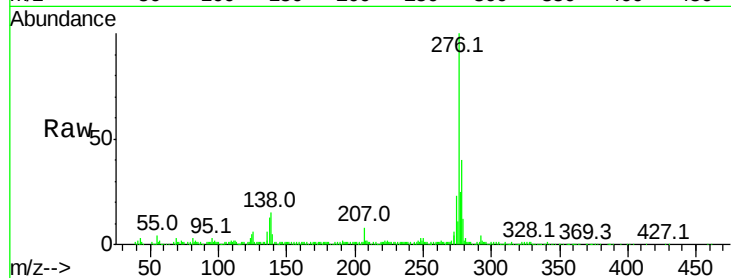
#90
Dibenzo(a,h)anthracene
Concen: 5.423 ng/ul
RT: 28.93 min Scan# 4364
Delta R.T. -0.01 min
Lab File: BG030831.D
Acq: 8 Nov 2017 5:46

Instrument :
BNA_G
ClientSampleId :
B0EQ8

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.7	9.4	14.2
279	29.8	18.4	27.6

Manual Integrations
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Sohil
11/8/2017 5:30:06 PM



#91
Benzo(g,h,i)perylene
Concen: 15.542 ng/ul
RT: 30.09 min Scan# 4561
Delta R.T. 0.02 min
Lab File: BG030831.D
Acq: 8 Nov 2017 5:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.6	12.1	18.1
277	24.1	17.7	26.5

