

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG110717\
 Data File : BG030822.D
 Acq On : 8 Nov 2017 00:10
 Operator : SJ/JU
 Sample : I6004-17
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0E07

Manual Integrations
 APPROVED

Sohil
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Quant Time: Nov 08 13:04:26 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	77131	20.00	ng/ul	0.00
18) Naphthalene-d8	10.96	136	368488	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	238624	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.51	188	556687	20.00	ng/ul	0.00
75) Chrysene-d12	21.79	240	581095	20.00	ng/ul	0.00
83) Perylene-d12	25.11	264	622419	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	6943	3.66	ng/uL	0.00
5) Phenol-d5	7.31	99	148566	20.07	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	86298	18.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	123906	23.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	127475	21.32	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	63584	24.04	ng/ul	0.00
22) 2-Nitrophenol-d4	10.04	143	77099	28.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	138190	22.37	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	118724	16.55	ng/ul	0.00
43) Dimethylphthalate-d6	14.17	166	447236	21.92	ng/ul	0.00
46) Acenaphthylene-d8	14.47	160	558295	22.50	ng/ul	0.00
51) 4-Nitrophenol-d4	14.98	143	57535	15.28	ng/ul	0.00
57) Fluorene-d10	15.76	176	409396	24.50	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.88	200	60429	22.24	ng/ul	0.00
70) Anthracene-d10	17.61	188	600947	22.83	ng/ul	0.00
76) Pyrene-d10	19.89	212	687469	22.85	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.88	264	709146	24.06	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	7.34	94	45807	5.980	ng/ul#	89
28) Naphthalene	11.02	128	108364	5.558	ng/ul	97
34) 2-Methylnaphthalene	12.61	142	93045	5.765	ng/ul	95
40) 1,1'-Biphenyl	13.60	154	34283	1.743	ng/ul	97
44) Dimethylphthalate	14.21	163	177734	8.932	ng/ul	99
47) Acenaphthylene	14.50	152	65547	2.590	ng/ul#	93
49) Acenaphthene	14.83	153	264330	15.266	ng/ul	98
53) Dibenzofuran	15.16	168	344133	14.537	ng/ul	91
58) Fluorene	15.81	166	314530	16.655	ng/ul	99
69) Phenanthrene	17.56	178	2889194m	96.006	ng/ul	
71) Anthracene	17.64	178	959011	30.887	ng/ul	99
72) Carbazole	17.91	167	333861	11.962	ng/ul	98
74) Fluoranthene	19.56	202	2856294m	84.926	ng/ul	
77) Pyrene	19.92	202	2423188	62.220	ng/ul#	92
80) Benzo(a)anthracene	21.77	228	1697108	46.602	ng/ul	94
82) Chrysene	21.84	228	1421009	42.945	ng/ul#	92
85) Benzo(b)fluoranthene	24.05	252	1519069	40.654	ng/ul	96
86) Benzo(k)fluoranthene	24.11	252	569392	15.761	ng/ul	95
88) Benzo(a)pyrene	24.95	252	1147752	31.556	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	28.89	276	614709	14.938	ng/ul	97
90) Dibenzo(a,h)anthracene	28.93	278	218356m	6.388	ng/ul	
91) Benzo(a,h,i)perylene	30.08	276	458271	13.435	ng/ul	98

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

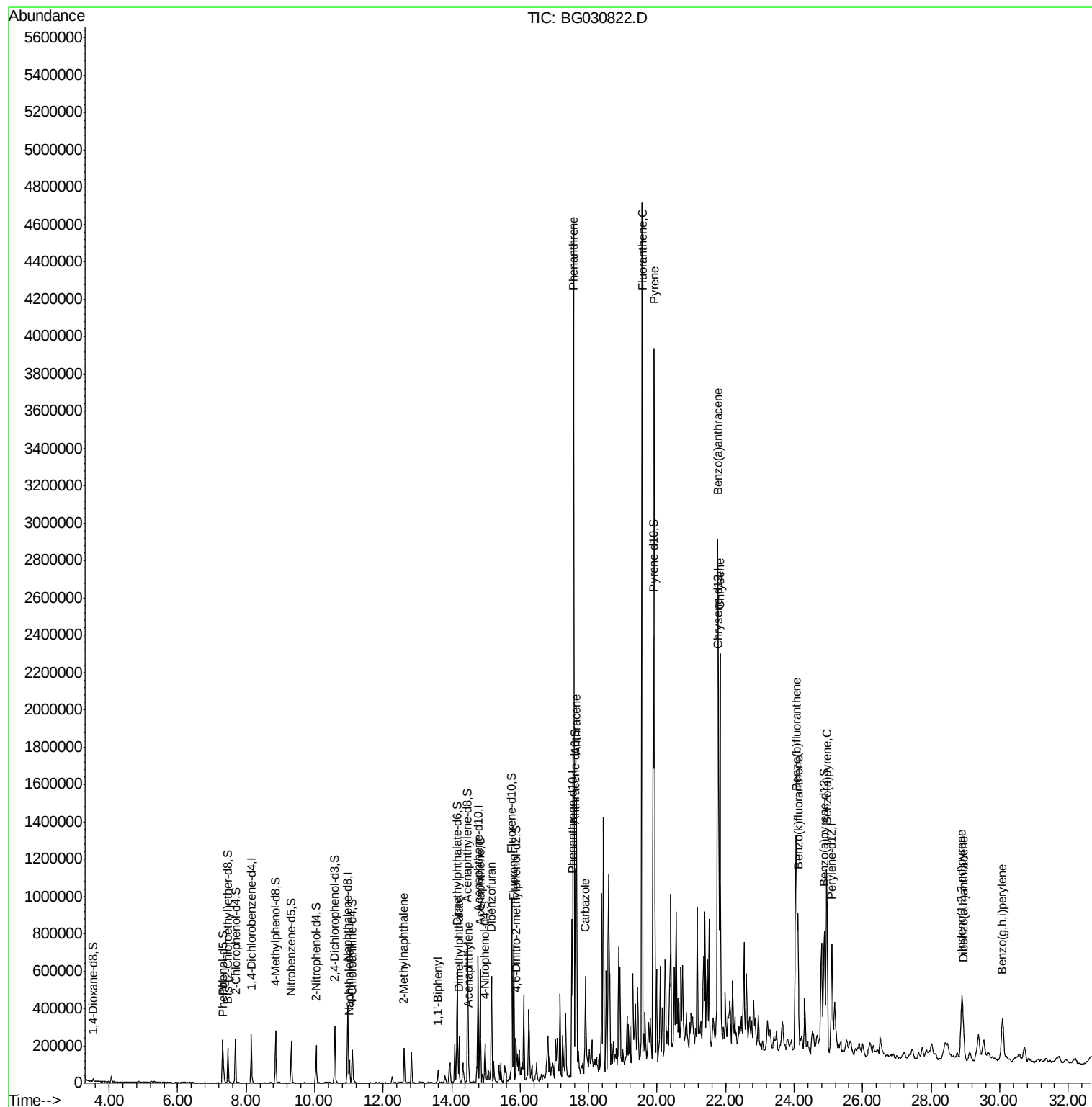
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Data File : BG030822.D
Acq On : 8 Nov 2017 00:10
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Sample : I6004-17
Misc :
ALS Vial : 14 Sample Multiplier: 1

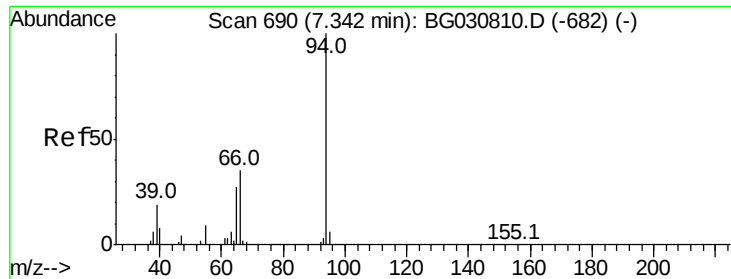
Instrument :
BNA_G
ClientSampled :
B0E07

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Quant Time: Nov 08 13:04:26 2017
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 08 04:22:00 2017
Response via : Initial Calibration





#6

Phenol

Concen: 5.980 ng/ul

RT: 7.34 min Scan# 689

Delta R.T. -0.00 min

Lab File: BG030822.D

Acq: 8 Nov 2017 00:10

Instrument :

BNA_G

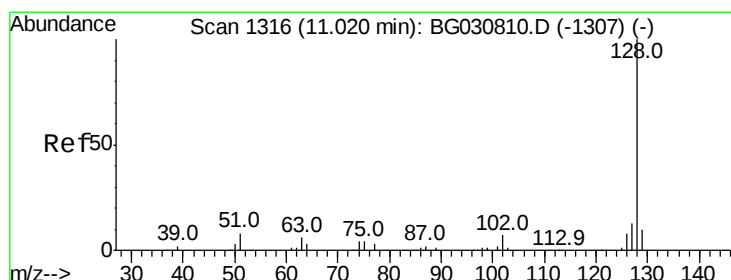
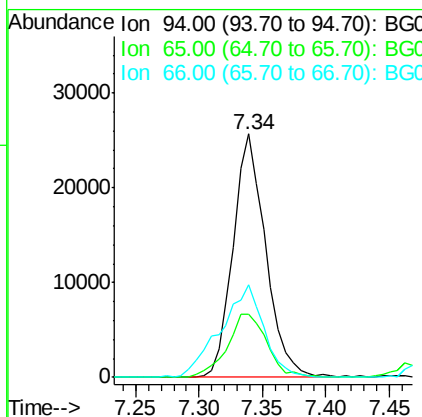
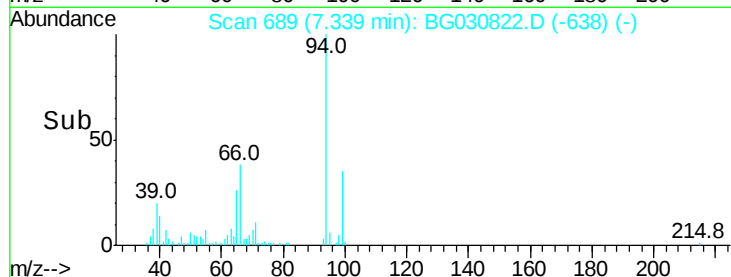
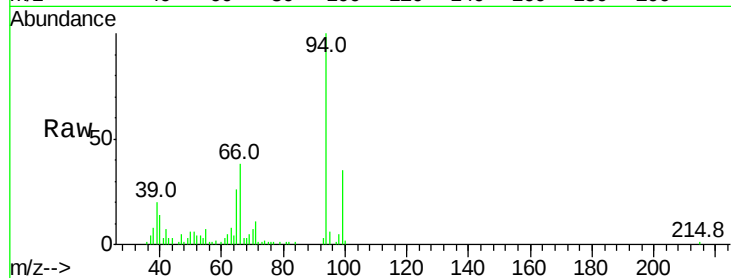
ClientSampleId :

B0E07

Tot Ion:	94	Resp:	45807
Ion Ratio	Lower	Upper	
94	100		
65	25.9	27.1	40.7#
66	38.0	34.6	52.0

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#28

Naphthalene

Concen: 5.558 ng/ul

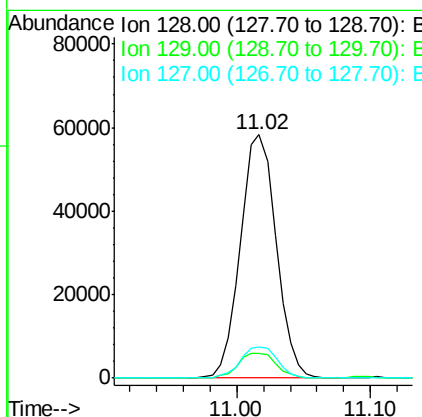
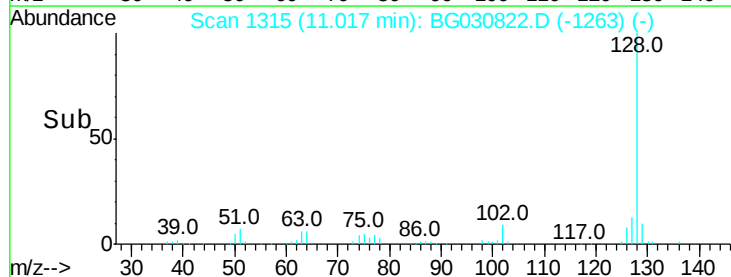
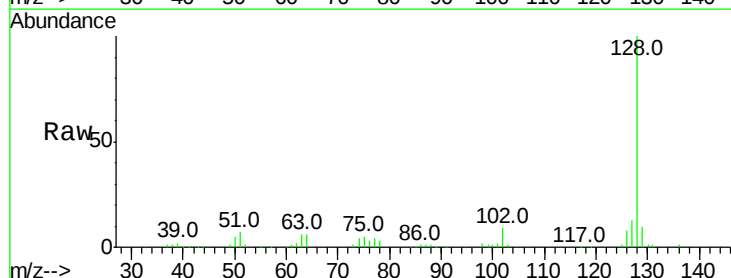
RT: 11.02 min Scan# 1315

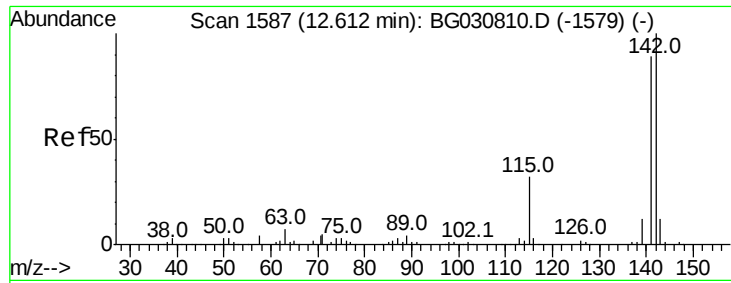
Delta R.T. 0.00 min

Lab File: BG030822.D

Acq: 8 Nov 2017 00:10

Tgt Ion:	128	Resp:	108364
Ion Ratio	Lower	Upper	
128	100		
129	10.1	9.3	13.9
127	12.8	10.7	16.1





#34

2-Methylnaphthalene

Concen: 5.765 ng/ul

RT: 12.61 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BG030822.D

Acq: 8 Nov 2017 00:10

Instrument :

BNA_G

ClientSampleId :

B0E07

Tot Ion:142 Resp: 93045

Ion Ratio Lower Upper

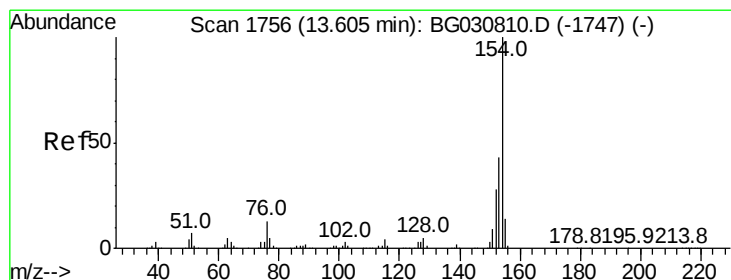
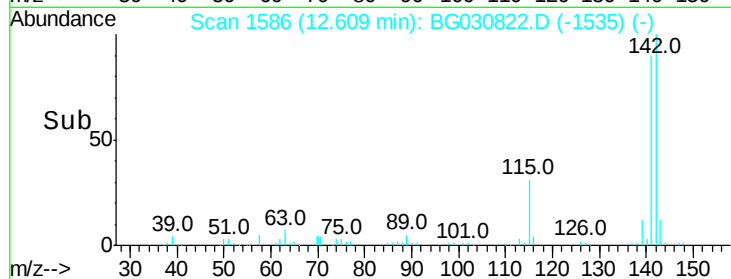
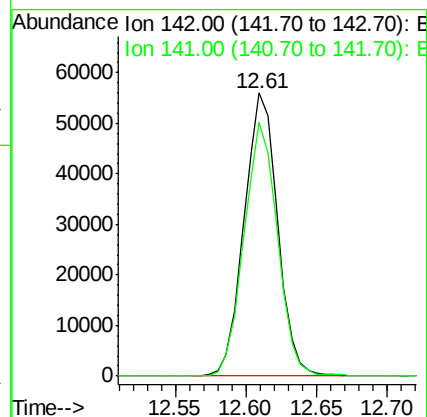
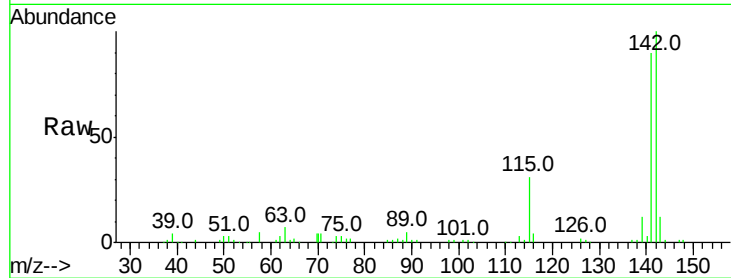
142 100

141 89.6 75.4 113.0

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#40

1,1'-Biphenyl

Concen: 1.743 ng/ul

RT: 13.60 min Scan# 1755

Delta R.T. -0.00 min

Lab File: BG030822.D

Acq: 8 Nov 2017 00:10

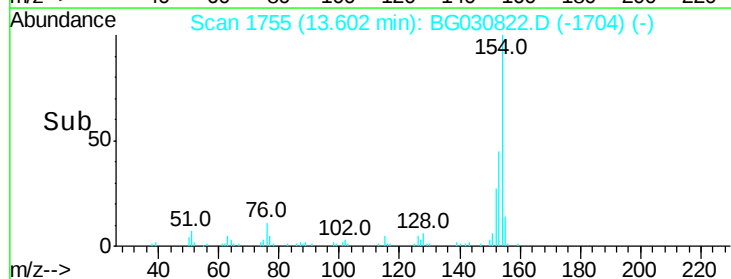
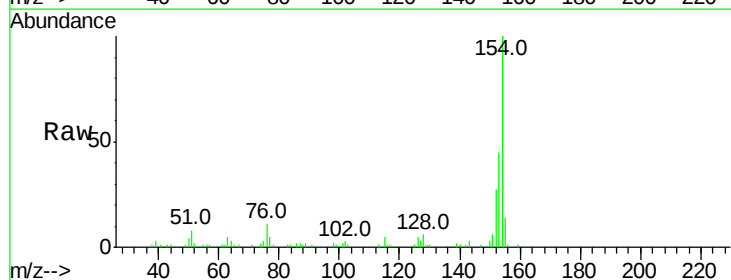
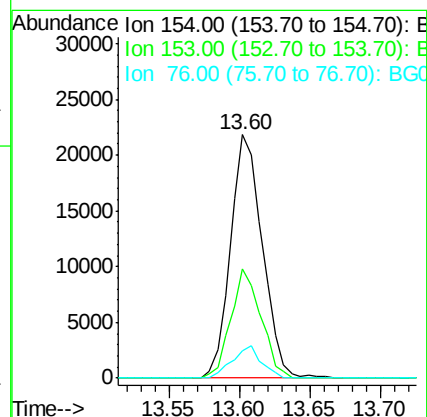
Tgt Ion:154 Resp: 34283

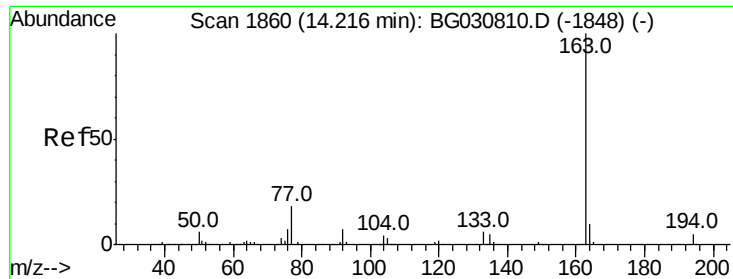
Ion Ratio Lower Upper

154 100

153 45.1 34.6 52.0

76 11.4 10.6 15.8





#44

Dimethylphthalate

Concen: 8.932 ng/ul

RT: 14.21 min Scan# 1859

Delta R.T. 0.00 min

Lab File: BG030822.D

Acq: 8 Nov 2017 00:10

Instrument :

BNA_G

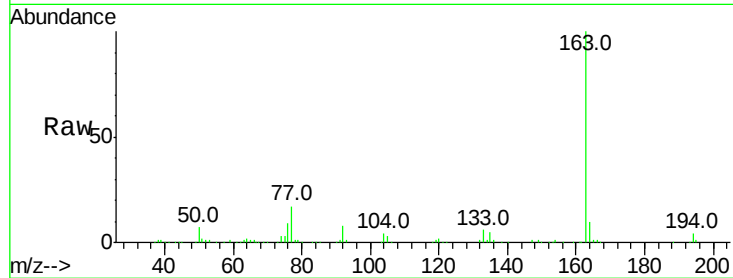
ClientSampleId :

B0E07

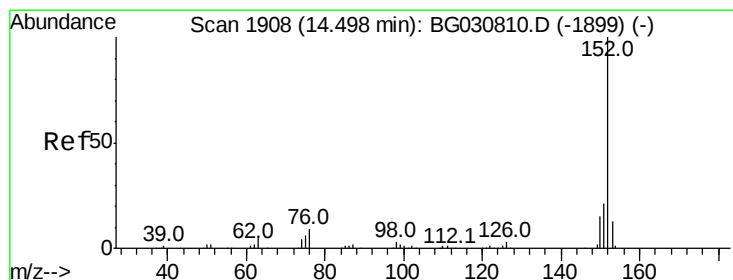
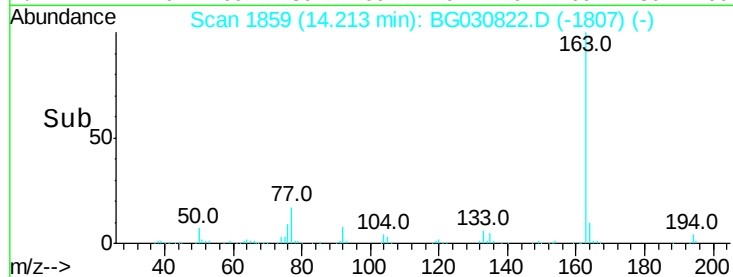
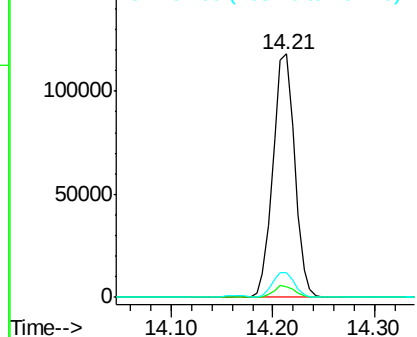
Tot Ion:	163	Resp:	177734
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.5	5.3
164	10.2	7.6	11.4

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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



#47

Acenaphthylene

Concen: 2.590 ng/ul

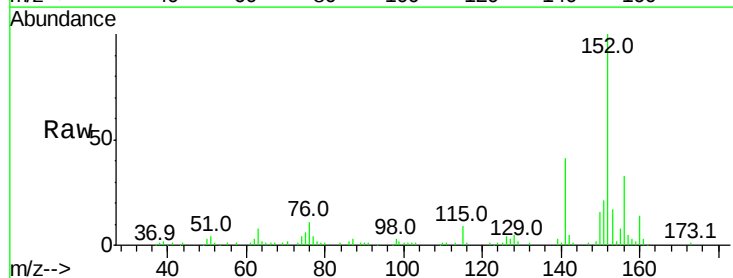
RT: 14.50 min Scan# 1907

Delta R.T. 0.00 min

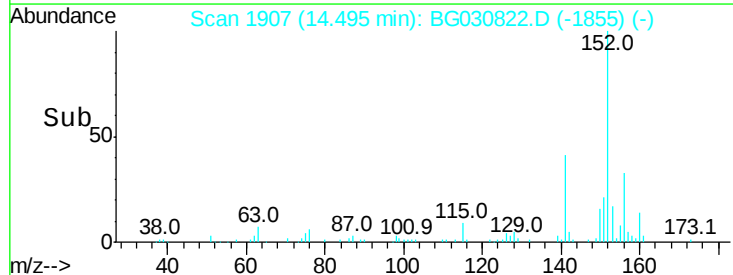
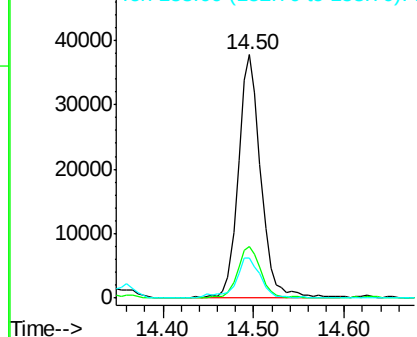
Lab File: BG030822.D

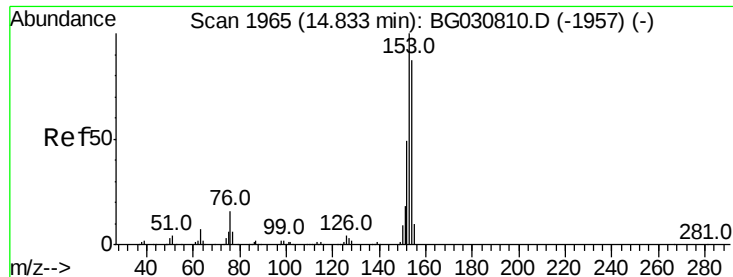
Acq: 8 Nov 2017 00:10

Tgt Ion:	152	Resp:	65547
Ion Ratio	Lower	Upper	
152	100		
151	21.3	15.2	22.8
153	16.6	10.2	15.4#



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: 15.266 ng/ul

RT: 14.83 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG030822.D

Acq: 8 Nov 2017 00:10

Instrument :

BNA_G

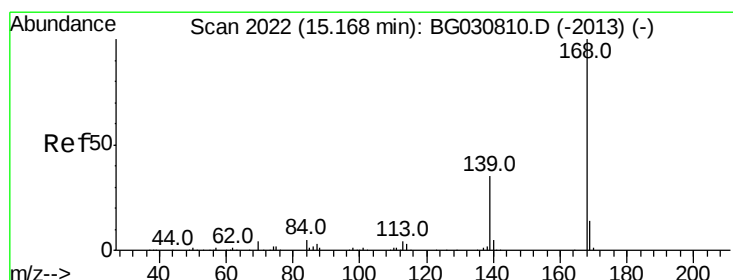
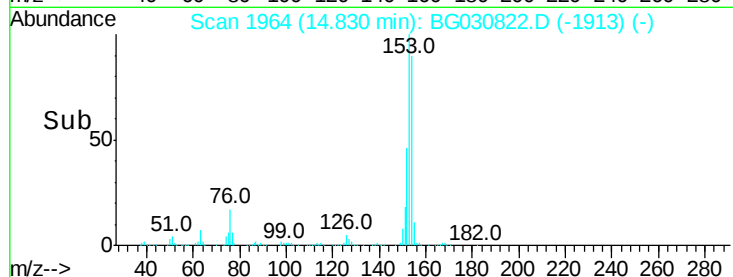
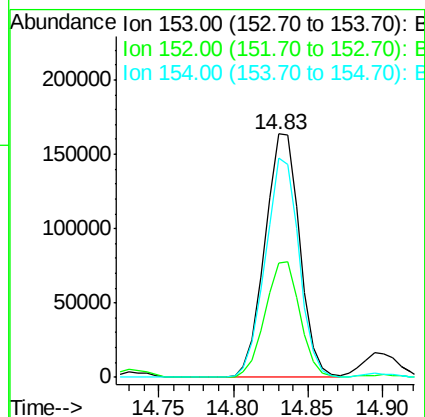
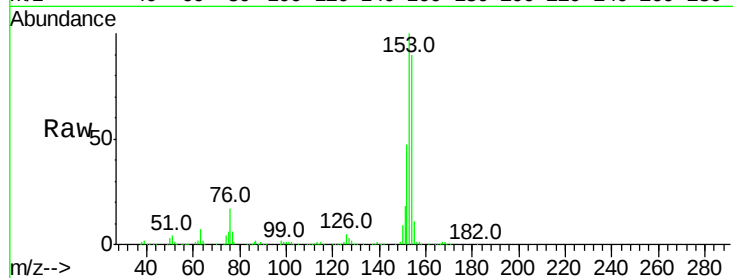
ClientSampleId :

B0E07

Tot Ion:	153	Resp:	264330
Ion Ratio	Lower	Upper	
153	100		
152	46.8	38.2	57.2
154	90.0	70.6	105.8

Manual Integrations
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#53

Dibenzofuran

Concen: 14.537 ng/ul

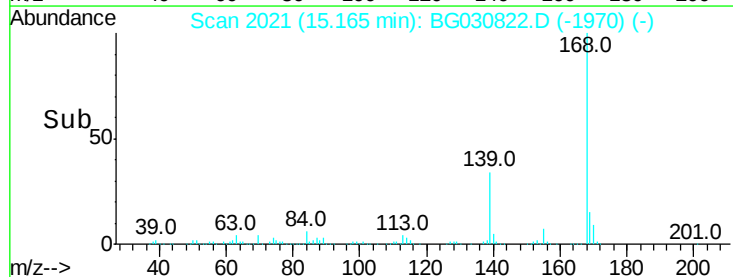
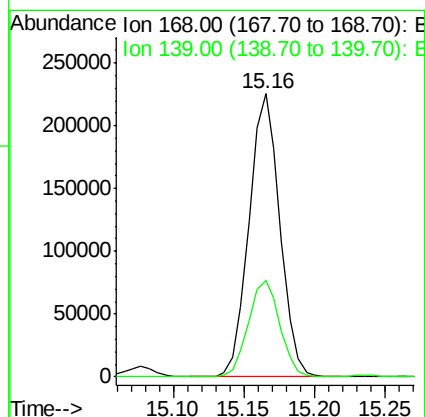
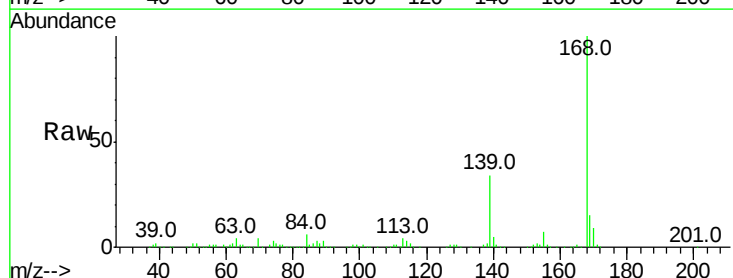
RT: 15.16 min Scan# 2021

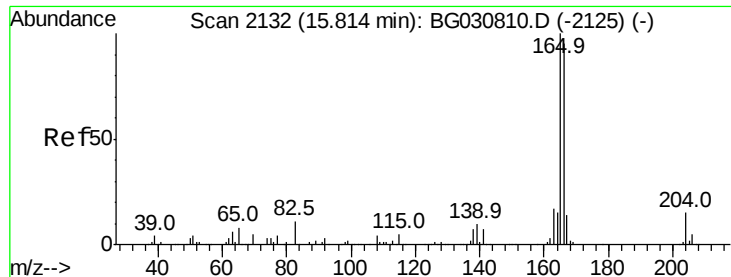
Delta R.T. -0.00 min

Lab File: BG030822.D

Acq: 8 Nov 2017 00:10

Tgt Ion:	168	Resp:	344133
Ion Ratio	Lower	Upper	
168	100		
139	34.0	31.4	47.2





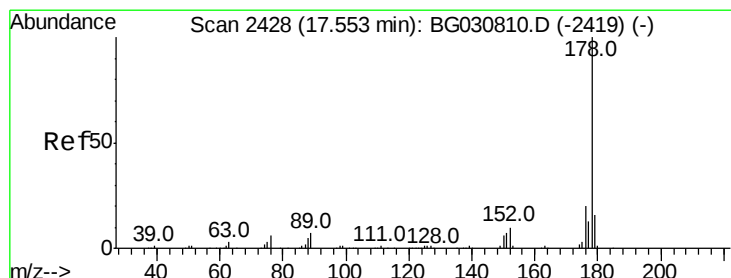
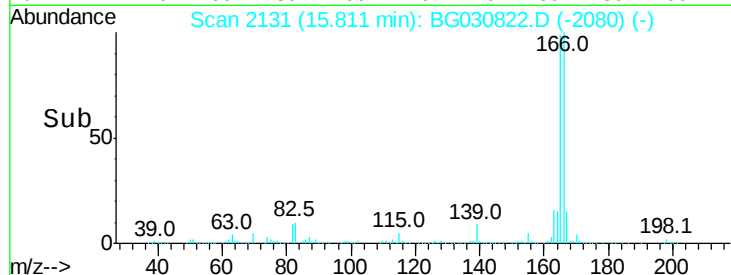
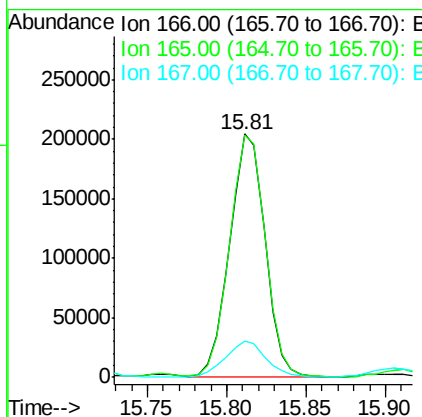
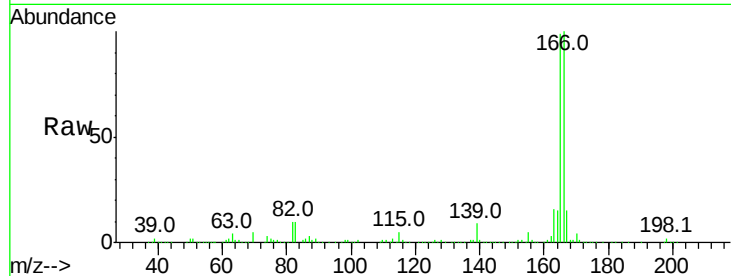
#58
Fluorene
 Concen: 16.655 ng/ul
 RT: 15.81 min Scan# 2131
 Delta R.T. -0.00 min
 Lab File: BG030822.D
 Acq: 8 Nov 2017 00:10

Instrument :
 BNA_G
 ClientSampled :
 B0E07

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.9	119.9
167	14.8	10.6	16.0

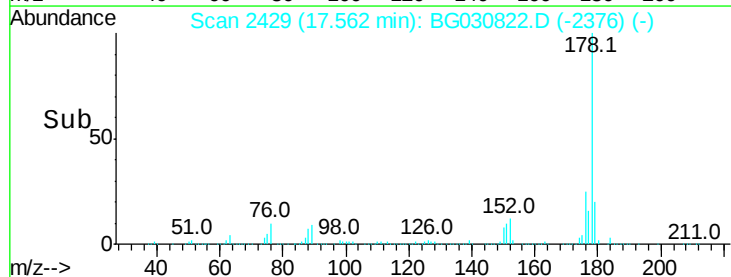
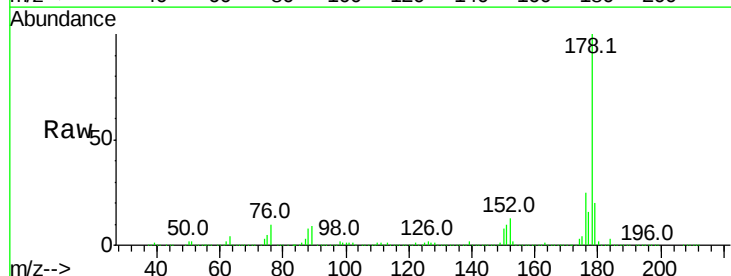
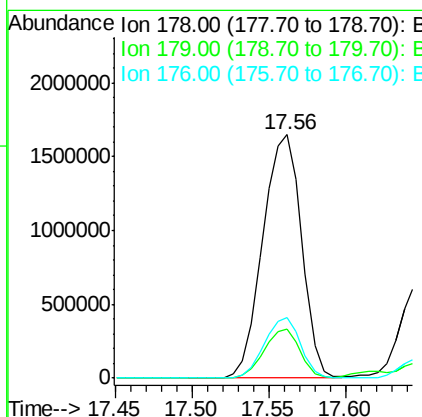
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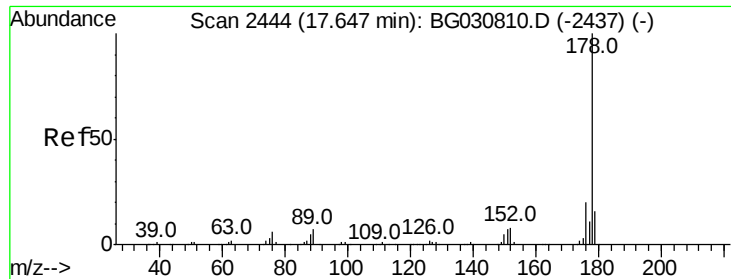
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#69
Phenanthrene
 Concen: 96.006 ng/ul m
 RT: 17.56 min Scan# 2429
 Delta R.T. 0.01 min
 Lab File: BG030822.D
 Acq: 8 Nov 2017 00:10

Tgt Ion	Ratio	Lower	Upper
178	100		
179	20.1	13.0	19.6#
176	24.8	15.3	22.9#





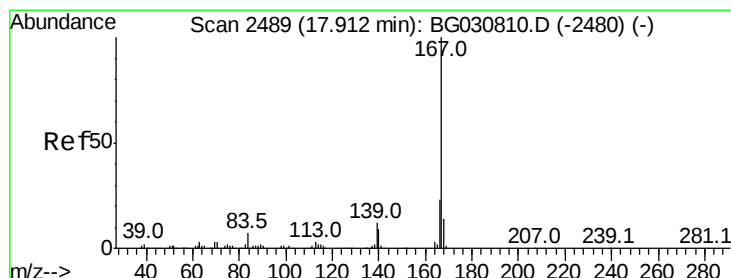
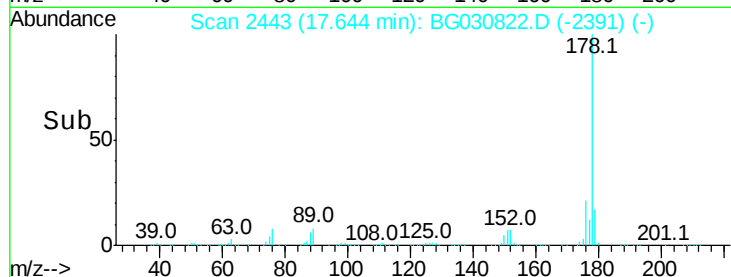
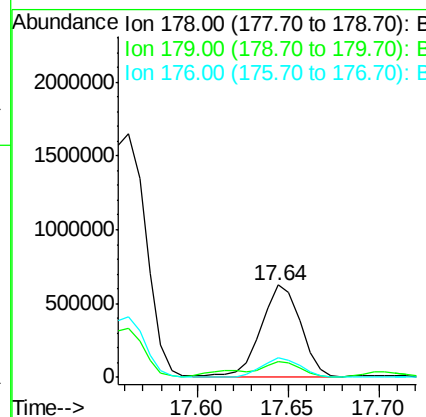
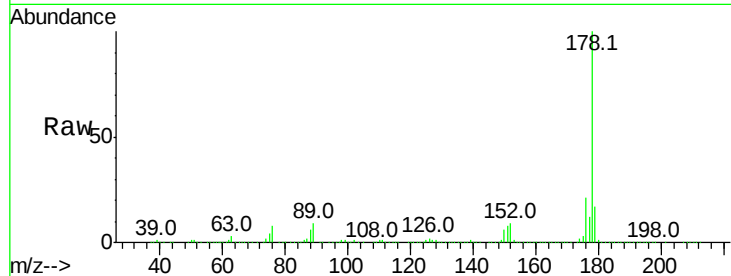
#71
 Anthracene
 Concen: 30.887 ng/ul
 RT: 17.64 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG030822.D
 Acq: 8 Nov 2017 00:10

Instrument :
 BNA_G
 ClientSampleId :
 B0E07

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.7	13.2	19.8
176	20.8	16.0	24.0

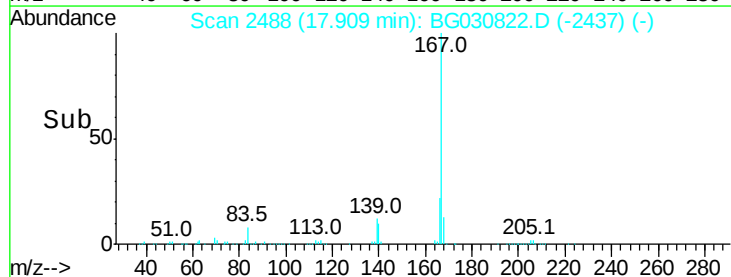
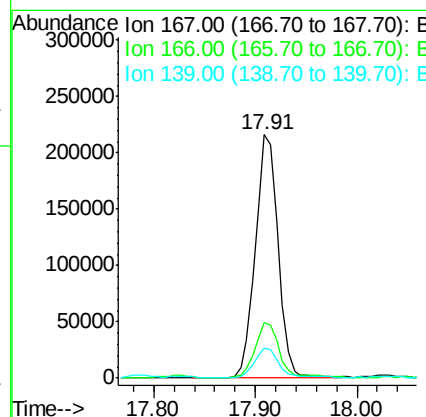
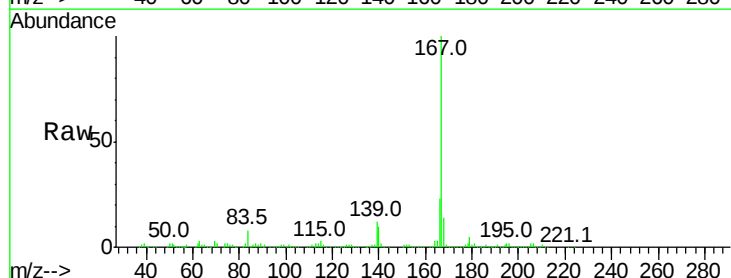
Manual Integrations
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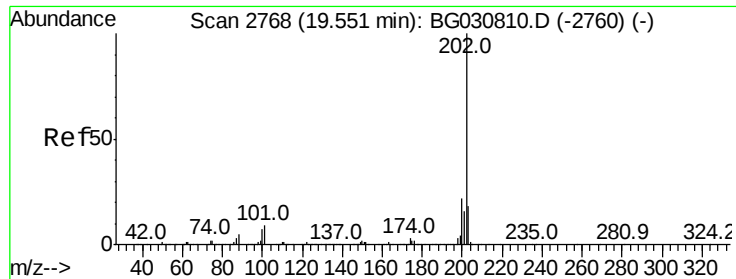
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#72
 Carbazole
 Concen: 11.962 ng/ul
 RT: 17.91 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: BG030822.D
 Acq: 8 Nov 2017 00:10

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.6	28.0
139	12.3	10.6	16.0





#74

Fluoranthene

Concen: 84.926 ng/ul m

RT: 19.56 min Scan# 2769

Delta R.T. 0.01 min

Lab File: BG030822.D

Acq: 8 Nov 2017 00:10

Instrument :

BNA_G

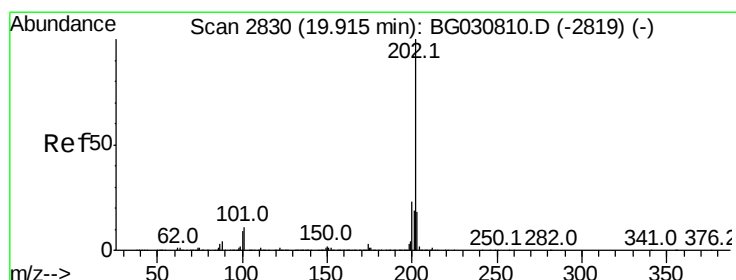
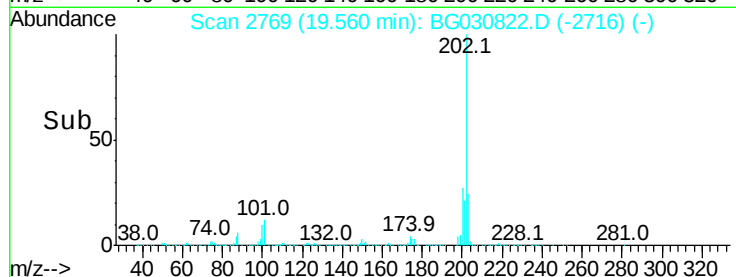
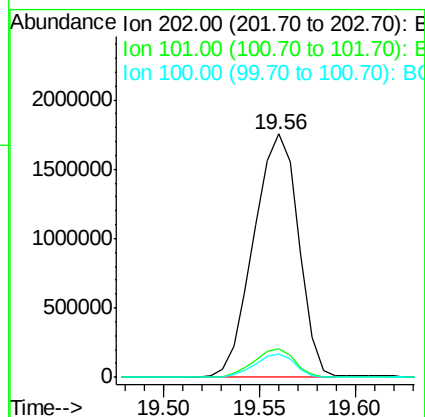
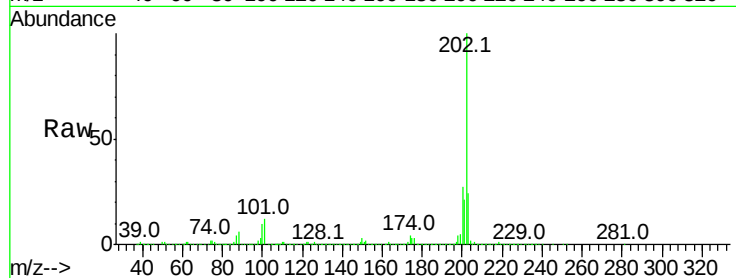
ClientSampleId :

B0E07

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.0	7.4	11.2#
100	9.7	5.6	8.4#

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#77

Pyrene

Concen: 62.220 ng/ul

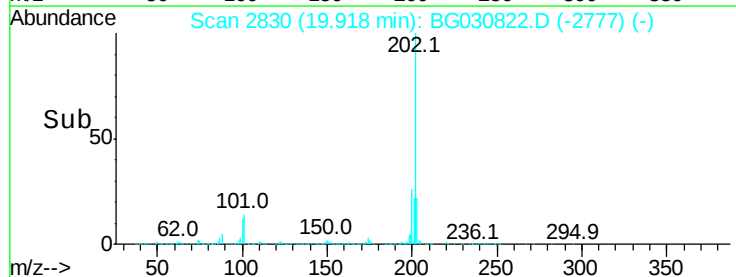
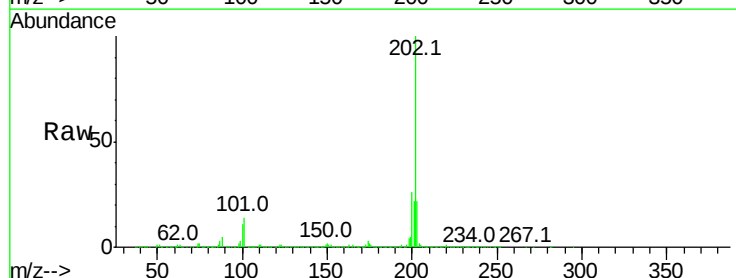
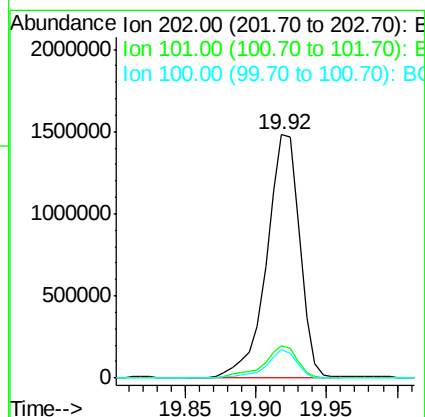
RT: 19.92 min Scan# 2830

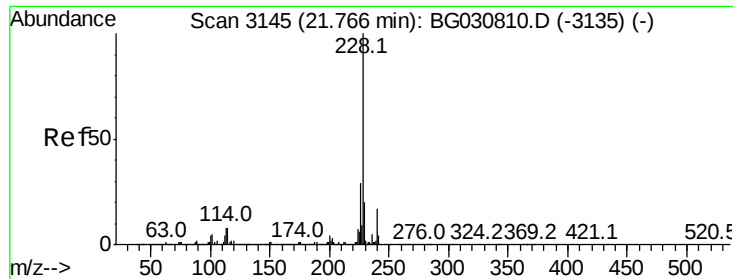
Delta R.T. 0.01 min

Lab File: BG030822.D

Acq: 8 Nov 2017 00:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	8.4	12.6#
100	11.5	7.0	10.6#





#80

Benzo(a)anthracene

Concen: 46.602 ng/ul

RT: 21.77 min Scan# 3145

Delta R.T. 0.01 min

Lab File: BG030822.D

Acq: 8 Nov 2017 00:10

Instrument :

BNA_G

ClientSampleId :

B0E07

Tot Ion:228 Resp: 1697108

Ion Ratio Lower Upper

228 100

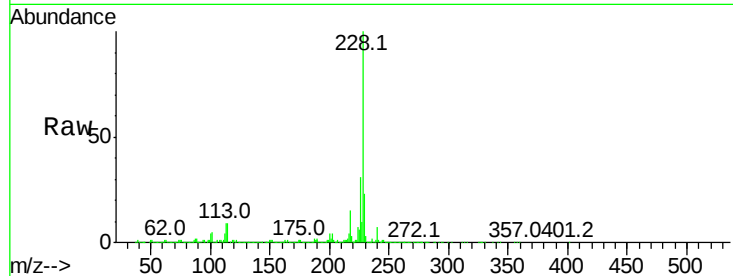
229 23.1 16.2 24.4

226 31.0 22.2 33.2

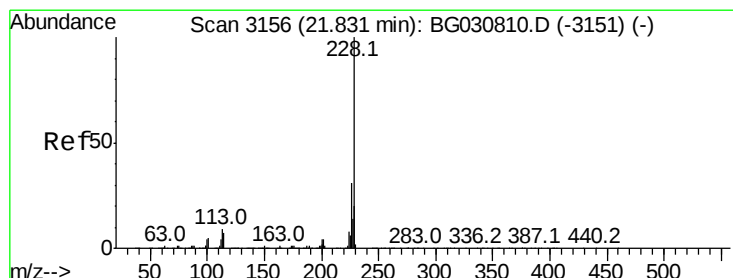
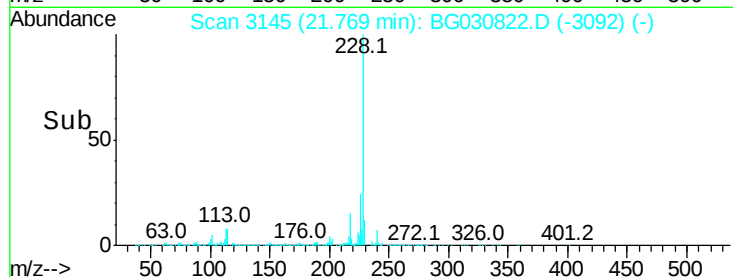
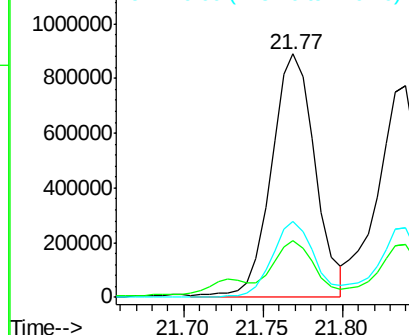
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#82

Chrysene

Concen: 42.945 ng/ul

RT: 21.84 min Scan# 3157

Delta R.T. 0.01 min

Lab File: BG030822.D

Acq: 8 Nov 2017 00:10

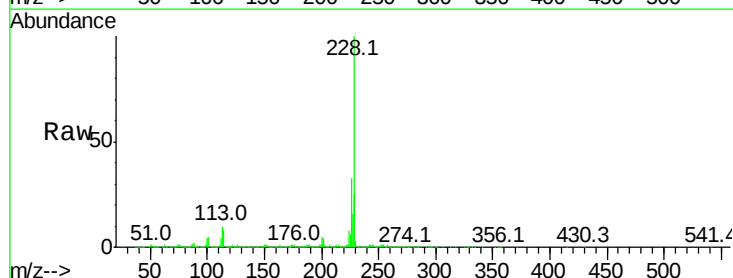
Tgt Ion:228 Resp: 1421009

Ion Ratio Lower Upper

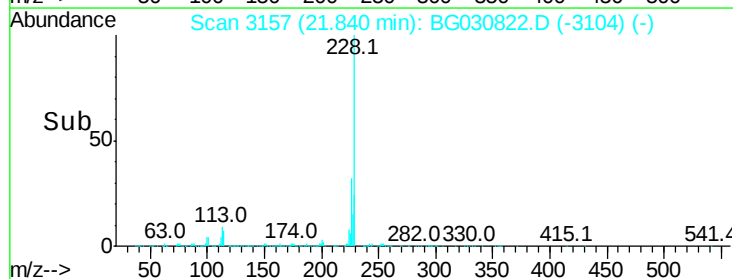
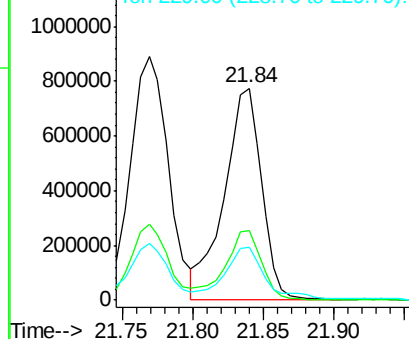
228 100

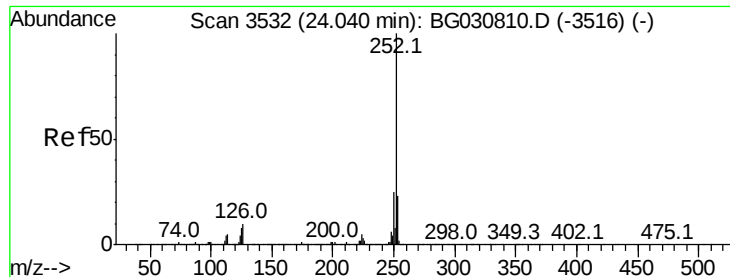
226 32.7 24.2 36.2

229 24.7 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





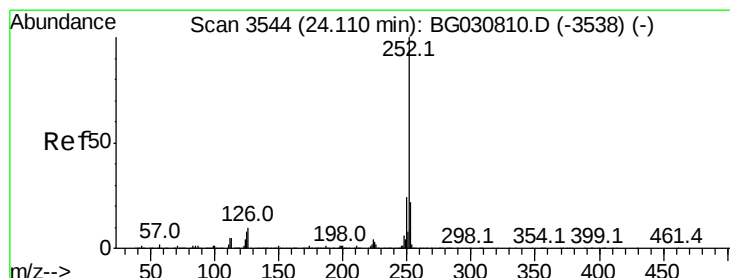
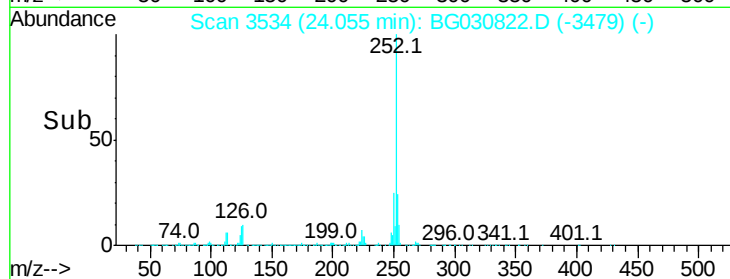
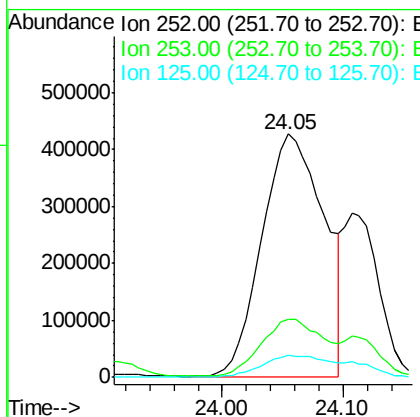
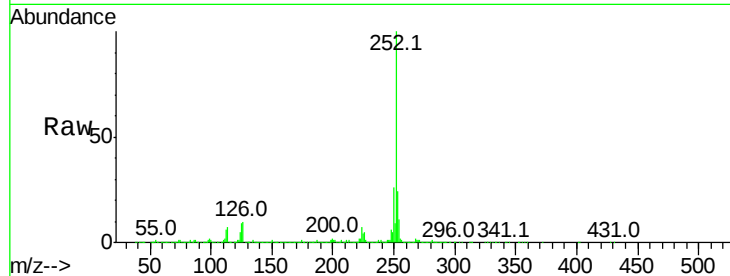
#85
Benzo(b)fluoranthene
Concen: 40.654 ng/ul
RT: 24.05 min Scan# 3534
Delta R.T. 0.02 min
Lab File: BG030822.D
Acq: 8 Nov 2017 00:10

Instrument :
BNA_G
ClientSampled :
B0E07

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.0	25.4
125	9.1	7.5	11.3

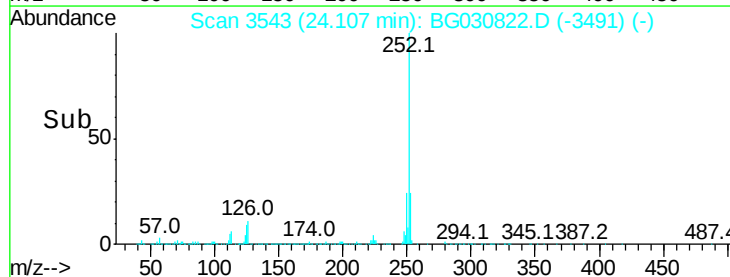
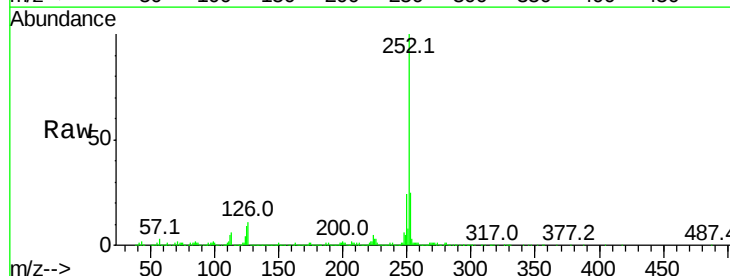
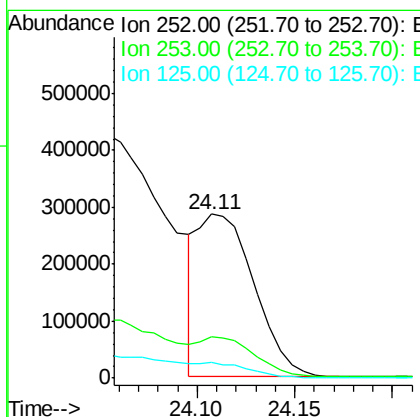
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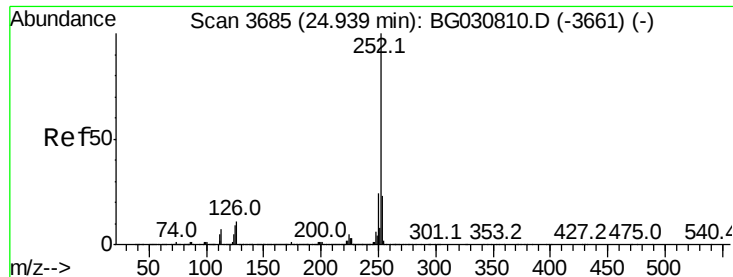
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#86
Benzo(k)fluoranthene
Concen: 15.761 ng/ul
RT: 24.11 min Scan# 3543
Delta R.T. 0.00 min
Lab File: BG030822.D
Acq: 8 Nov 2017 00:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.2	25.8
125	9.4	7.8	11.8





#88

Benzo(a)pyrene

Concen: 31.556 ng/ul

RT: 24.95 min Scan# 3686

Delta R.T. 0.02 min

Lab File: BG030822.D

Acq: 8 Nov 2017 00:10

Instrument :

BNA_G

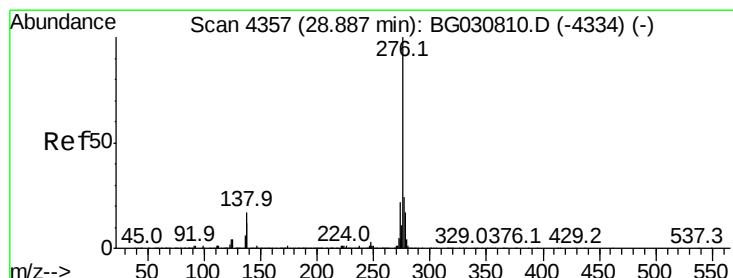
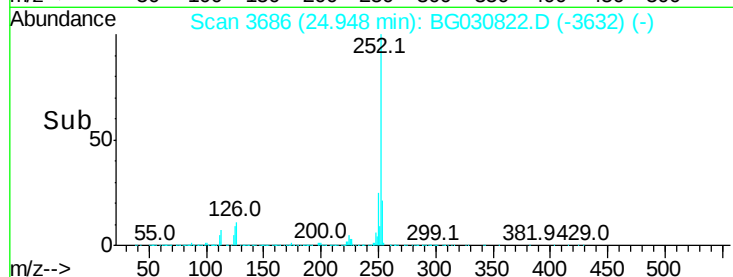
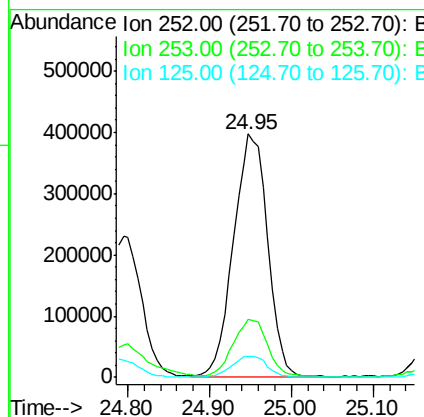
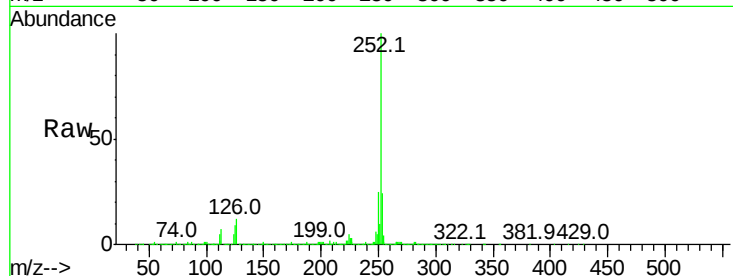
ClientSampled :

B0E07

Tot Ion:	252	Resp:	1147752
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.1	25.7
125	8.8	7.8	11.8

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#89

Indeno(1,2,3-cd)pyrene

Concen: 14.938 ng/ul

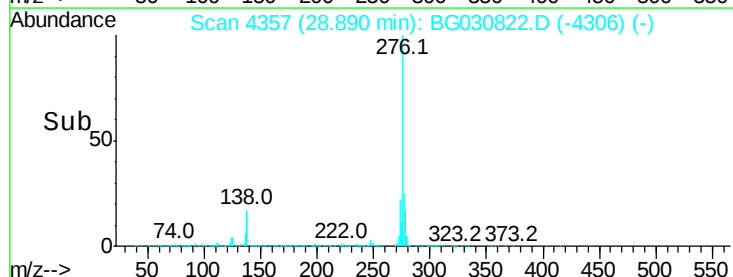
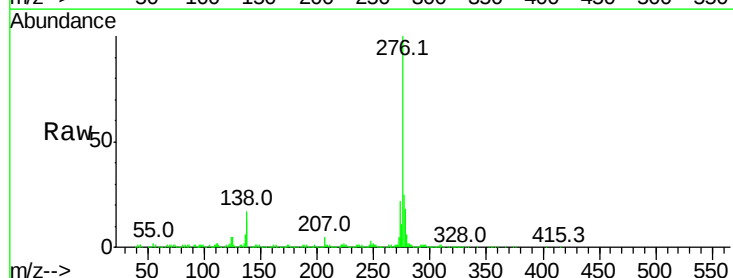
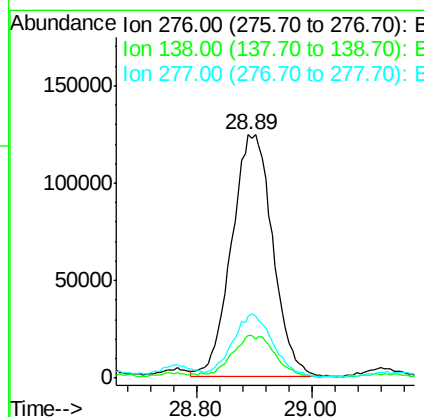
RT: 28.89 min Scan# 4357

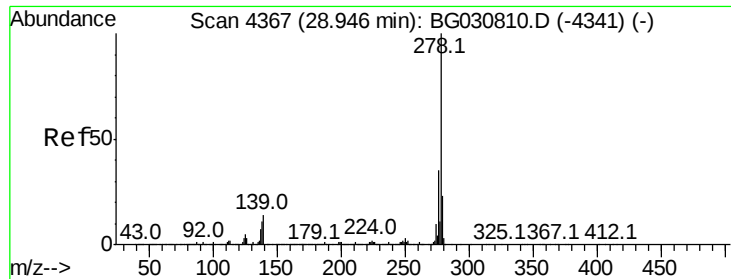
Delta R.T. -0.00 min

Lab File: BG030822.D

Acq: 8 Nov 2017 00:10

Tgt Ion:	276	Resp:	614709
Ion Ratio	Lower	Upper	
276	100		
138	17.3	13.4	20.0
277	25.5	18.6	28.0





#90

Dibenzo(a,h)anthracene

Concen: 6.388 ng/ul m

RT: 28.93 min Scan# 4364

Delta R.T. -0.01 min

Lab File: BG030822.D

Acq: 8 Nov 2017 00:10

Instrument :

BNA_G

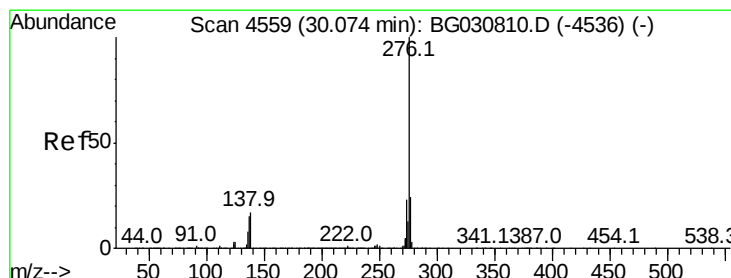
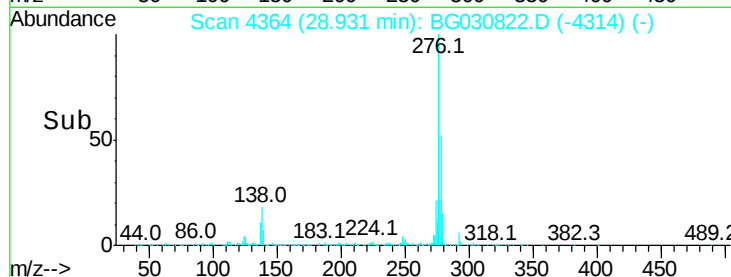
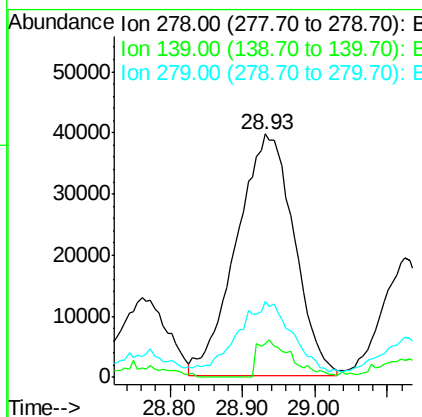
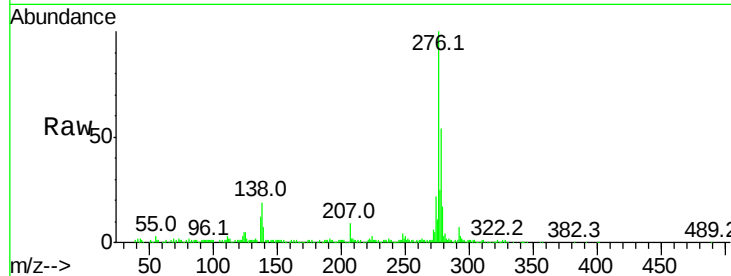
ClientSampleId :

B0E07

Tot Ion:	278	Resp:	218356
Ion Ratio	Lower	Upper	
278	100		
139	13.6	9.4	14.2
279	31.2	18.4	27.6#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 13.435 ng/ul

RT: 30.08 min Scan# 4560

Delta R.T. 0.02 min

Lab File: BG030822.D

Acq: 8 Nov 2017 00:10

Tgt Ion:	276	Resp:	458271
Ion Ratio	Lower	Upper	
276	100		
138	16.0	12.1	18.1
277	23.3	17.7	26.5

