

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG110717\
 Data File : BG030843.D
 Acq On : 8 Nov 2017 13:14
 Operator : SJ/JU
 Sample : I6222-15
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 B0EW5

Manual Integrations
 APPROVED

Sohil
 11/8/2017 5:30:22 PM

Quant Time: Nov 08 15:19:48 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	94535	20.00	ng/ul	0.00
18) Naphthalene-d8	10.96	136	442029	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.77	164	275761	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.51	188	610892	20.00	ng/ul	0.00
75) Chrysene-d12	21.79	240	641261	20.00	ng/ul	0.00
83) Perylene-d12	25.10	264	679755	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	6313	2.71	ng/uL	0.00
5) Phenol-d5	7.31	99	138722	15.29	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	85545	15.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.68	132	117098	18.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	101948	13.91	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	61641	19.43	ng/ul	0.00
22) 2-Nitrophenol-d4	10.04	143	75450	23.21	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	130840	17.66	ng/ul	0.00
29) 4-Chloroaniline-d4	11.10	131	71504	8.31	ng/ul	0.00
43) Dimethylphthalate-d6	14.16	166	412139	17.48	ng/ul	0.00
46) Acenaphthylene-d8	14.46	160	519405	18.12	ng/ul	0.00
51) 4-Nitrophenol-d4	14.98	143	53097	12.20	ng/ul	0.00
57) Fluorene-d10	15.76	176	382291	19.80	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.88	200	42811	14.36	ng/ul	0.00
70) Anthracene-d10	17.61	188	567777	19.65	ng/ul	0.00
76) Pyrene-d10	19.89	212	627291	18.90	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.88	264	624383	19.39	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	7.34	94	16406	1.747 ng/ul	90
28) Naphthalene	11.02	128	39038	1.669 ng/ul	98
34) 2-Methylnaphthalene	12.61	142	38297	1.978 ng/ul	90
44) Dimethylphthalate	14.21	163	40768	1.773 ng/ul	99
47) Acenaphthylene	14.49	152	167069	5.712 ng/ul#	95
49) Acenaphthene	14.83	153	36474	1.823 ng/ul	96
53) Dibenzofuran	15.16	168	36630	1.339 ng/ul	96
58) Fluorene	15.81	166	107099	4.907 ng/ul#	96
69) Phenanthrene	17.55	178	1585156	48.000 ng/ul	96
71) Anthracene	17.64	178	171457	5.032 ng/ul	98
72) Carbazole	17.91	167	70327	2.296 ng/ul	98
74) Fluoranthene	19.56	202	1691490	45.830 ng/ul	98
77) Pyrene	19.92	202	2038258m	47.426 ng/ul	
80) Benzo(a)anthracene	21.77	228	947279	23.571 ng/ul	94
82) Chrysene	21.84	228	1146508	31.398 ng/ul#	93
85) Benzo(b)fluoranthene	24.05	252	1104397	27.063 ng/ul	97
86) Benzo(k)fluoranthene	24.11	252	280991m	7.122 ng/ul	
88) Benzo(a)pyrene	24.95	252	803775	20.235 ng/ul	97
89) Indeno(1,2,3-cd)pyrene	28.91	276	525291	11.688 ng/ul	97
90) Dibenzo(a,h)anthracene	28.93	278	162942	4.364 ng/ul#	91
91) Benzo(a,h,i)perylene	30.09	276	465599	12.499 ng/ul	96

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG110717\
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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

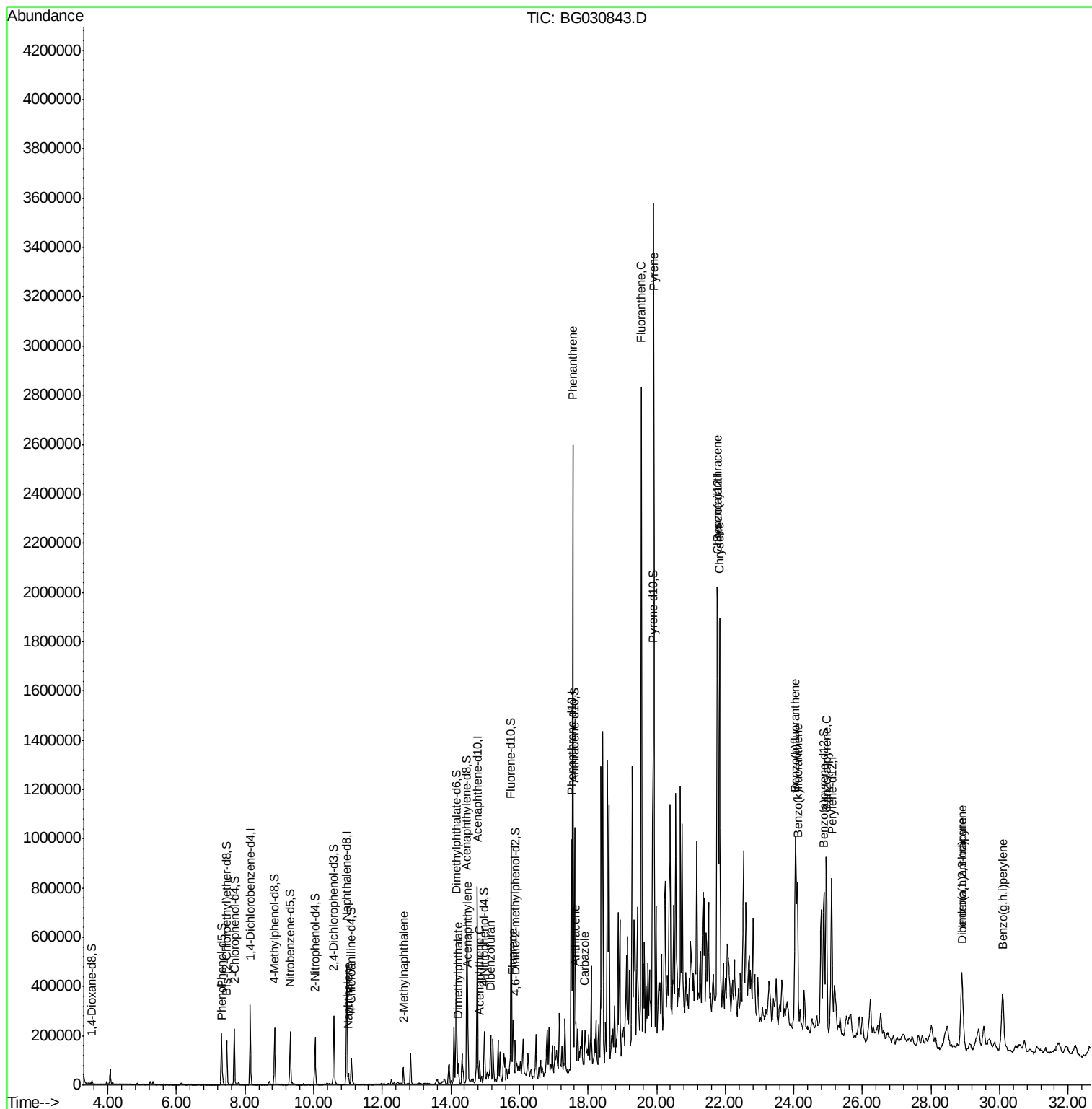
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG110717\
Data File : BG030843.D
Acq On : 8 Nov 2017 13:14
Operator : SJ/JU
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ALS Vial : 33 Sample Multiplier: 1

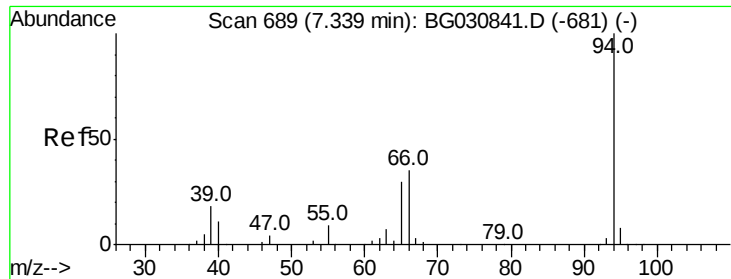
Instrument :
BNA_G
ClientSampled :
B0EW5

Manual Integrations
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Sohil
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#6

Phenol

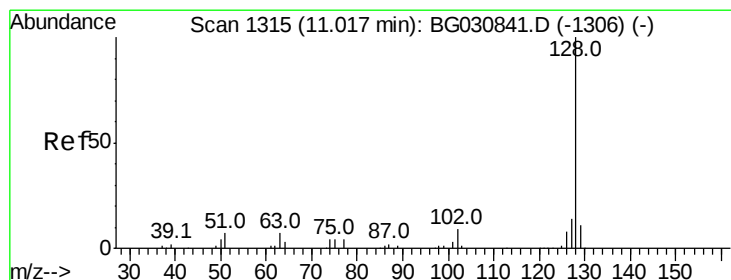
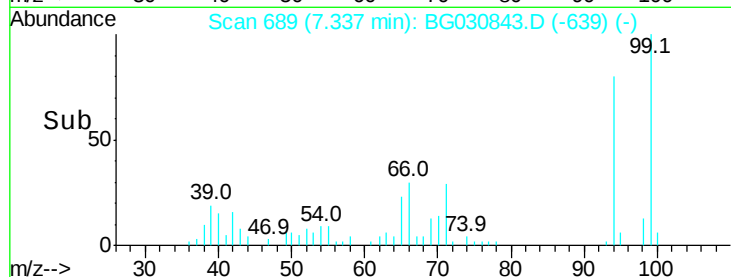
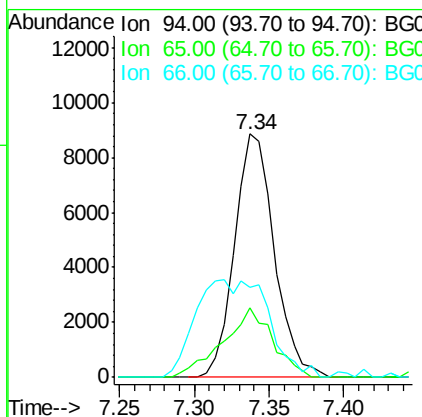
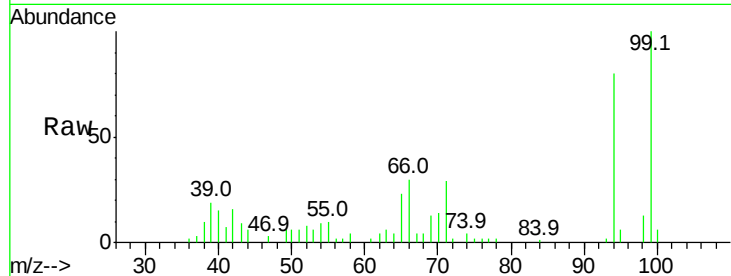
Concen: 1.747 ng/ul
 RT: 7.34 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: BG030843.D
 Acq: 8 Nov 2017 13:14

Instrument :
 BNA_G
 ClientSampleId :
 B0EW5

Tot Ion	Ratio	Lower	Upper
94	100		
65	28.4	27.1	40.7
66	37.0	34.6	52.0

Manual Integrations
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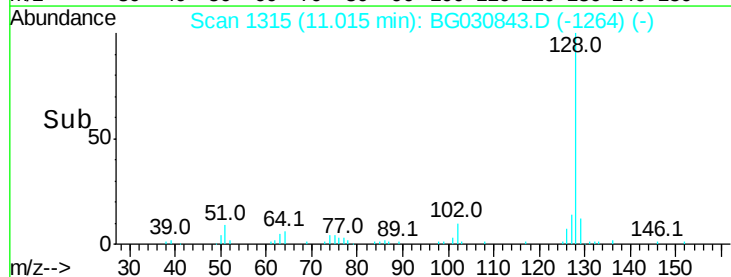
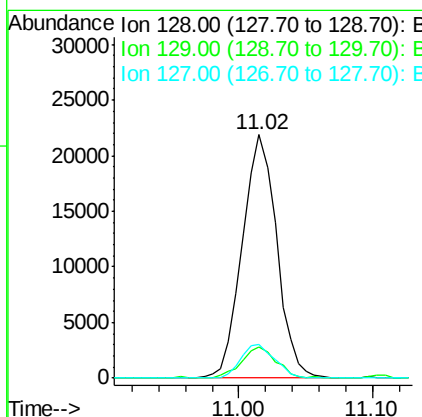
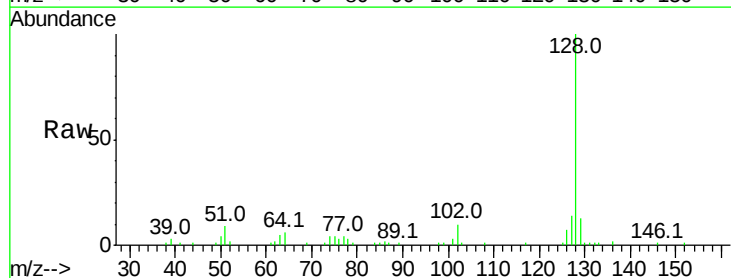


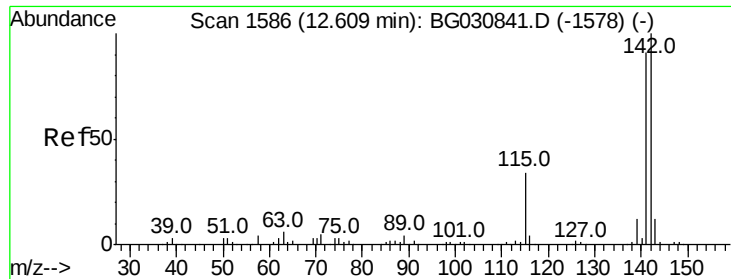
#28

Naphthalene

Concen: 1.669 ng/ul
 RT: 11.02 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: BG030843.D
 Acq: 8 Nov 2017 13:14

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.8	9.3	13.9
127	13.8	10.7	16.1





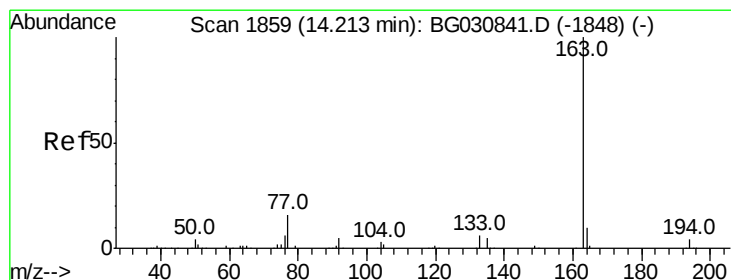
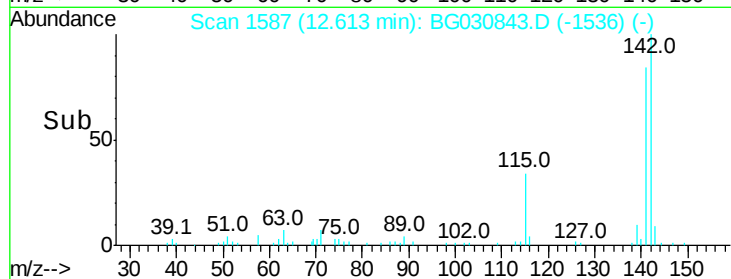
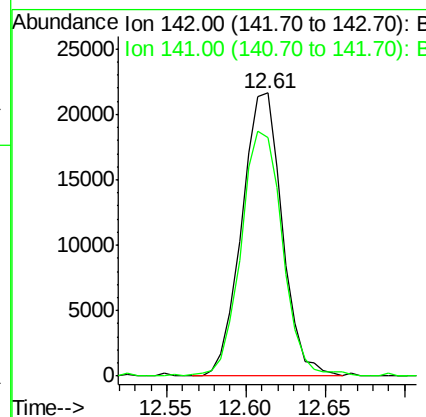
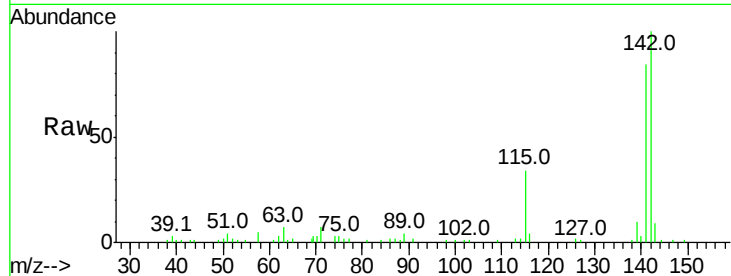
#34
 2-Methylnaphthalene
 Concen: 1.978 ng/ul
 RT: 12.61 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: BG030843.D
 Acq: 8 Nov 2017 13:14

Instrument :
 BNA_G
 ClientSampled :
 B0EW5

Tot Ion:142 Resp: 38297
 Ion Ratio Lower Upper
 142 100
 141 84.5 75.4 113.0

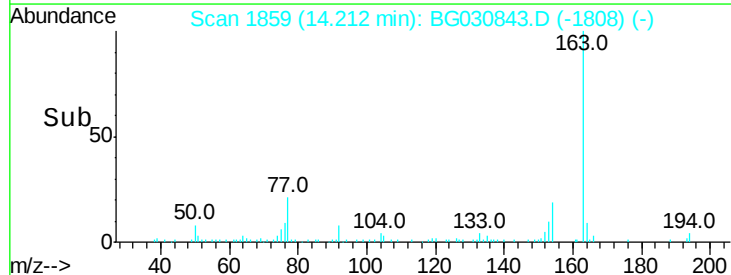
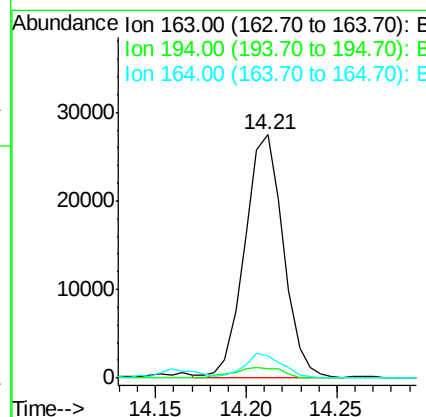
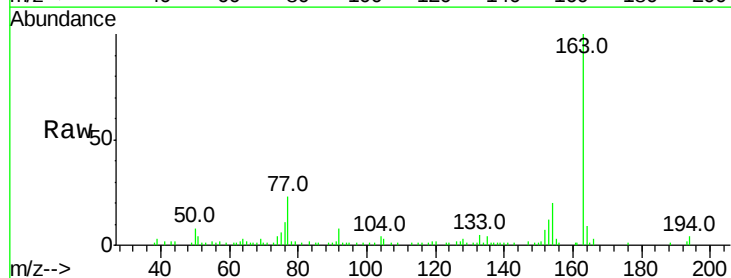
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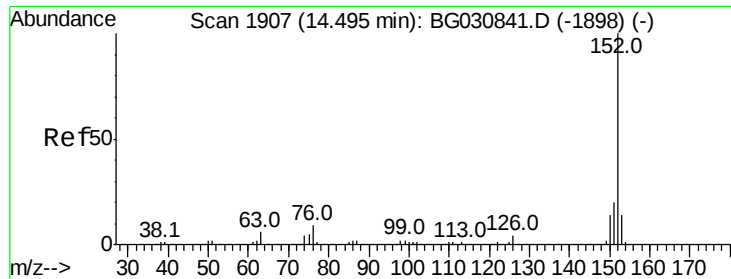
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#44
 Dimethylphthalate
 Concen: 1.773 ng/ul
 RT: 14.21 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: BG030843.D
 Acq: 8 Nov 2017 13:14

Tgt Ion:163 Resp: 40768
 Ion Ratio Lower Upper
 163 100
 194 3.7 3.5 5.3
 164 9.1 7.6 11.4





#47

Acenaphthylene

Concen: 5.712 ng/ul

RT: 14.49 min Scan# 1907

Delta R.T. 0.00 min

Lab File: BG030843.D

Acq: 8 Nov 2017 13:14

Instrument :

BNA_G

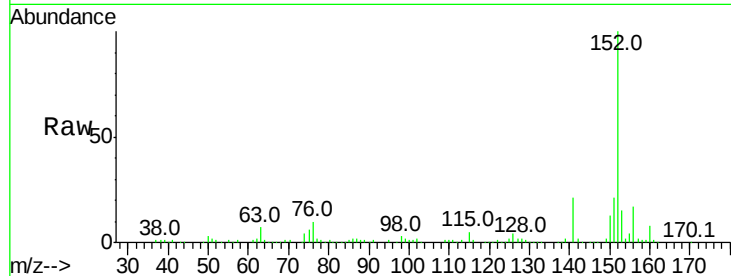
ClientSampled :

B0EW5

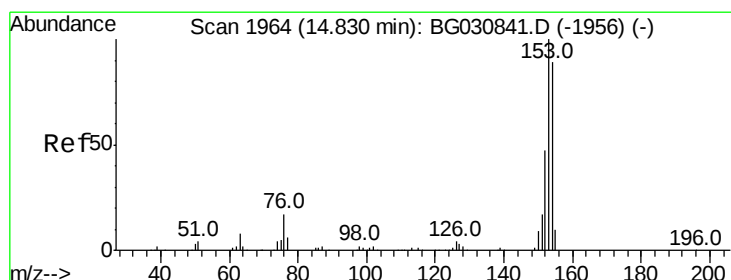
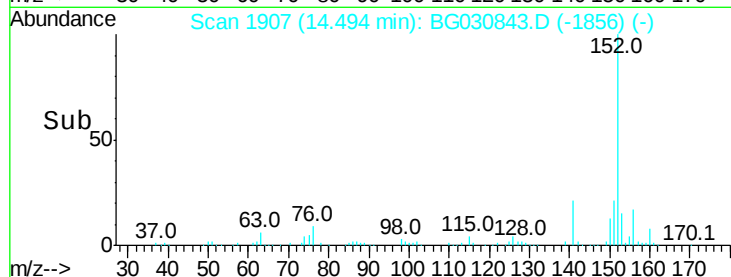
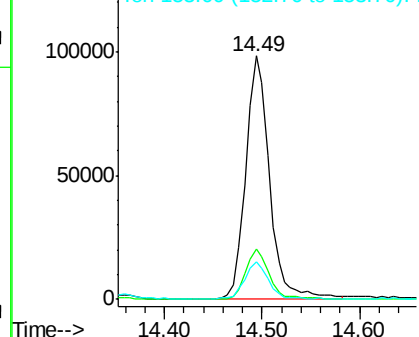
Tot Ion:	152	Resp:	167069
Ion Ratio	Lower	Upper	
152	100		
151	20.7	15.2	22.8
153	15.4	10.2	15.4#

Manual Integrations
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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: 1.823 ng/ul

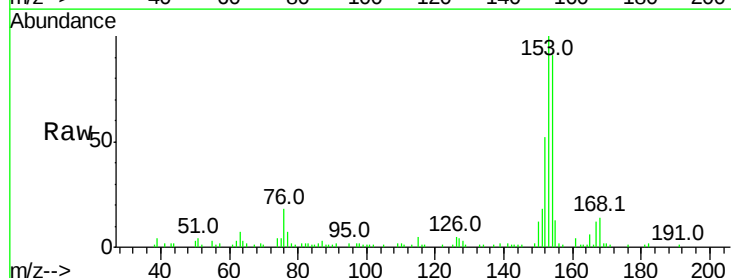
RT: 14.83 min Scan# 1965

Delta R.T. 0.00 min

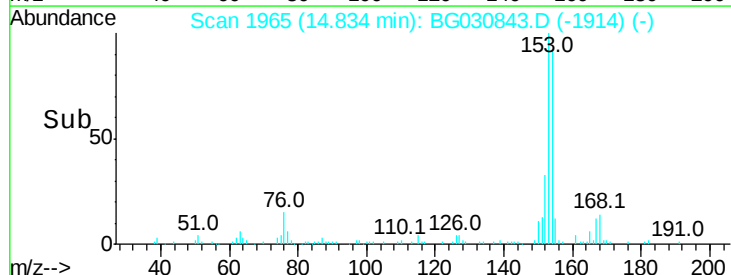
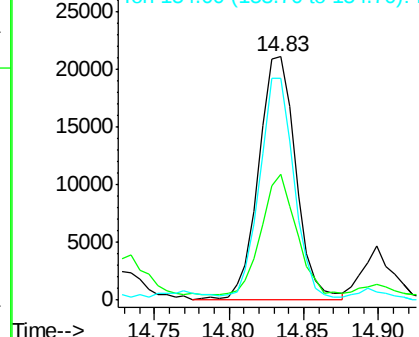
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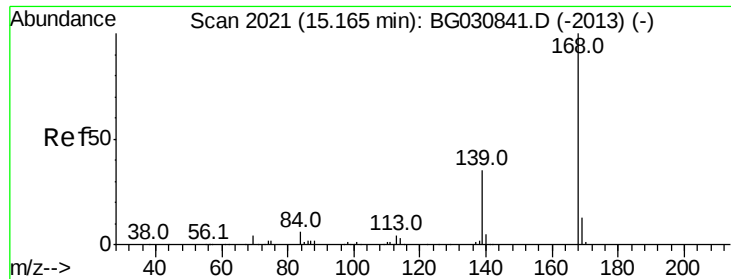
Acq: 8 Nov 2017 13:14

Tgt Ion:	153	Resp:	36474
Ion Ratio	Lower	Upper	
153	100		
152	51.6	38.2	57.2
154	90.9	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





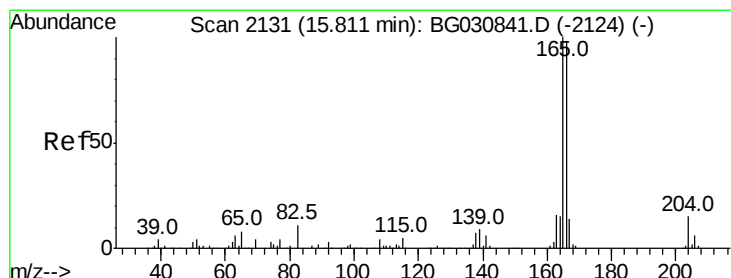
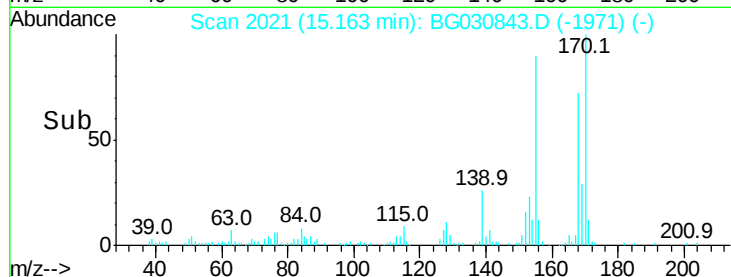
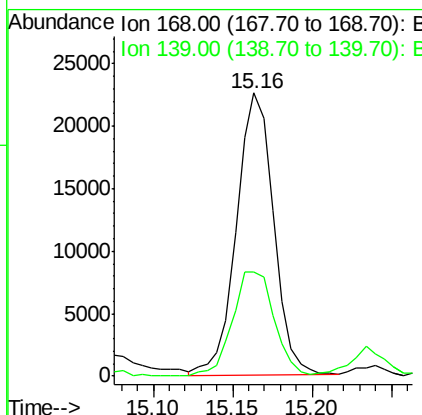
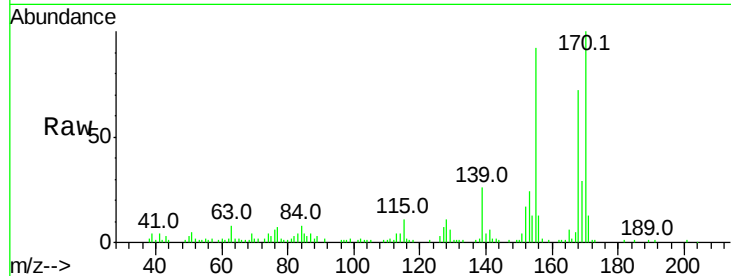
#53
Dibenzenofuran
Concen: 1.339 ng/ul
RT: 15.16 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BG030843.D
Acq: 8 Nov 2017 13:14

Instrument :
BNA_G
ClientSampled :
B0EW5

Tot Ion:168 Resp: 36630
Ion Ratio Lower Upper
168 100
139 36.6 31.4 47.2

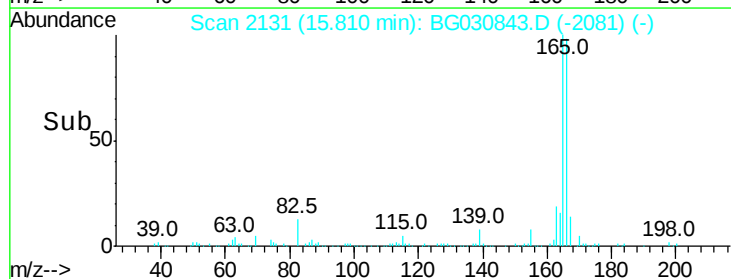
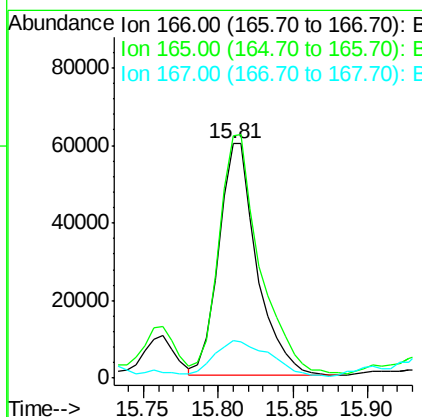
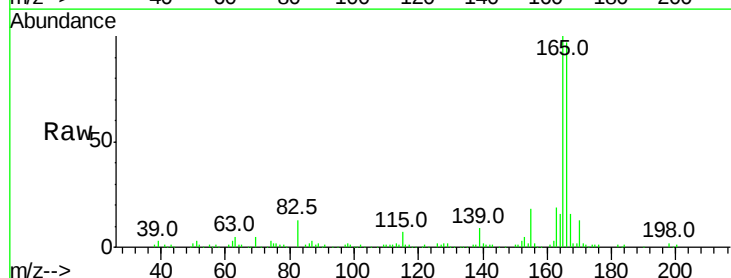
Manual Integrations
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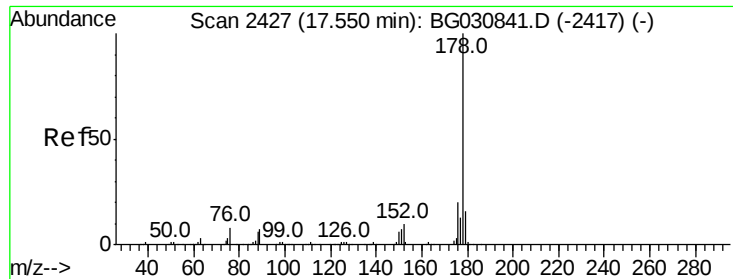
Sohil
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#58
Fluorene
Concen: 4.907 ng/ul
RT: 15.81 min Scan# 2131
Delta R.T. -0.00 min
Lab File: BG030843.D
Acq: 8 Nov 2017 13:14

Tgt Ion:166 Resp: 107099
Ion Ratio Lower Upper
166 100
165 103.4 79.9 119.9
167 16.2 10.6 16.0#





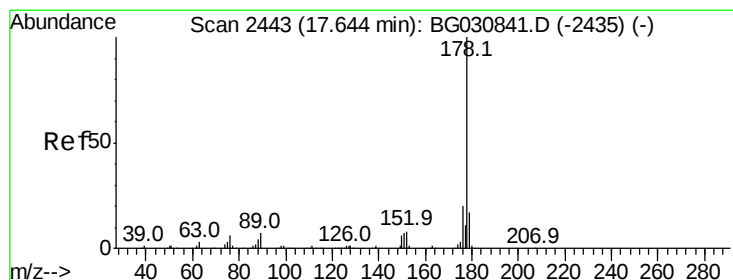
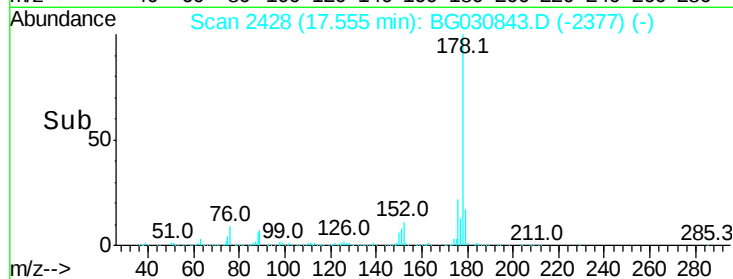
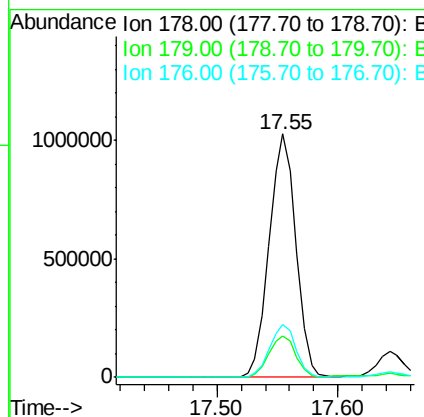
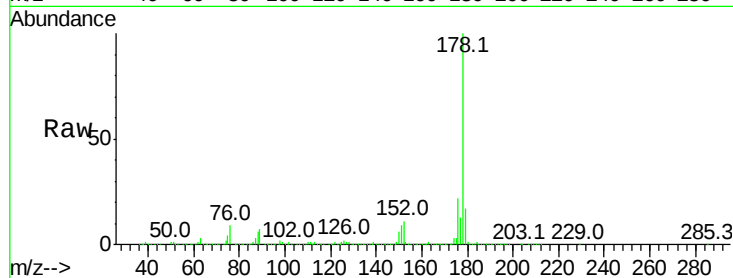
#69
Phenanthrene
Concen: 48.000 ng/ul
RT: 17.55 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BG030843.D
Acq: 8 Nov 2017 13:14

Instrument :
BNA_G
ClientSampled :
B0EW5

Tot Ion	Ratio	Lower	Upper
178	100		
179	17.2	13.0	19.6
176	21.9	15.3	22.9

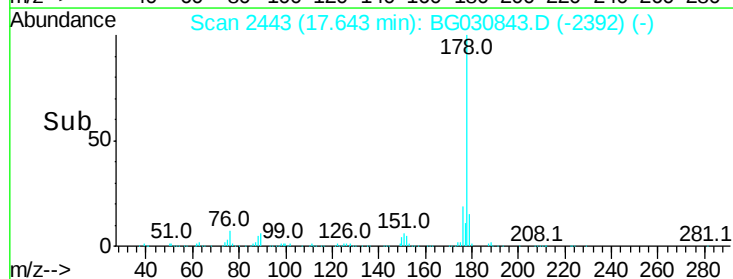
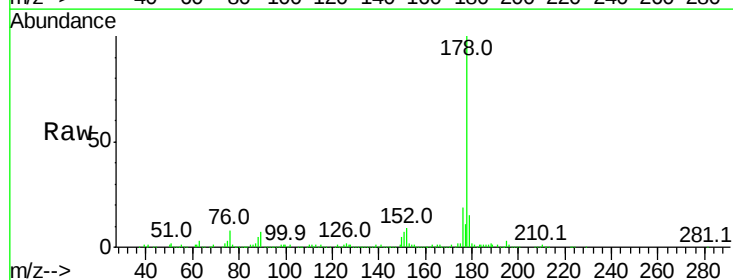
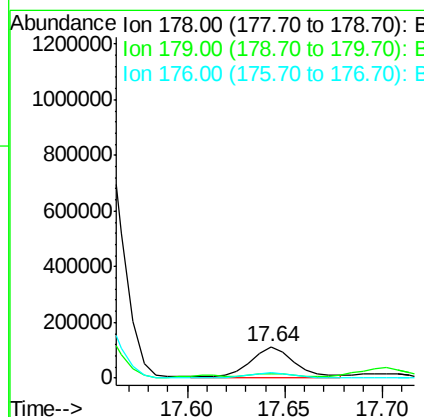
Manual Integrations
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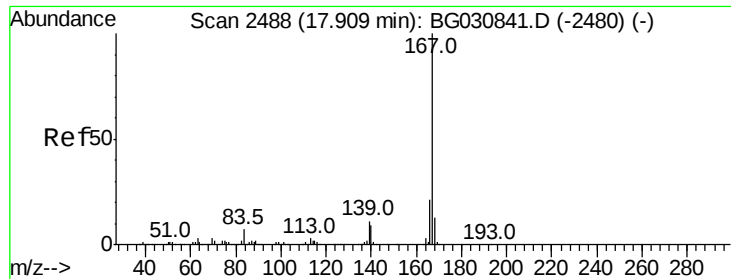
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#71
Anthracene
Concen: 5.032 ng/ul
RT: 17.64 min Scan# 2443
Delta R.T. 0.00 min
Lab File: BG030843.D
Acq: 8 Nov 2017 13:14

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	13.2	19.8
176	19.3	16.0	24.0





#72

Carbazole

Concen: 2.296 ng/ul

RT: 17.91 min Scan# 2488

Delta R.T. -0.00 min

Lab File: BG030843.D

Acq: 8 Nov 2017 13:14

Instrument :

BNA_G

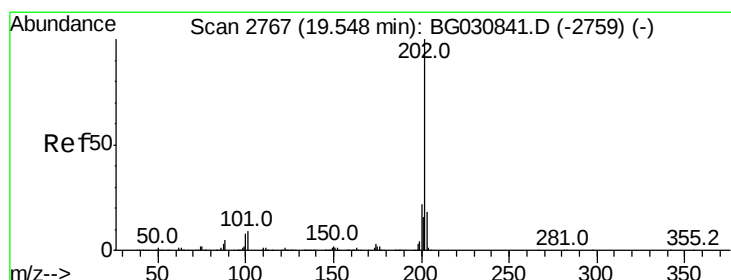
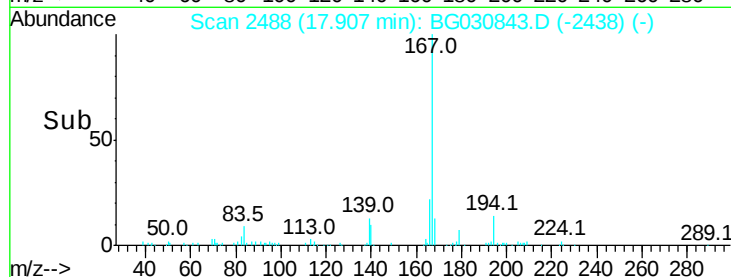
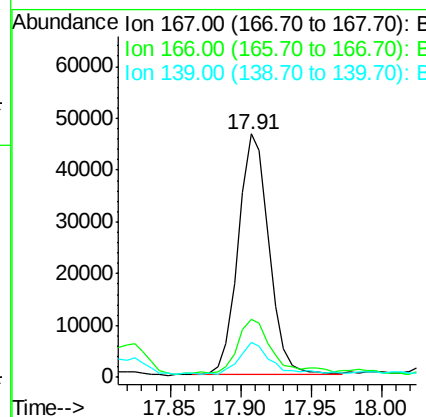
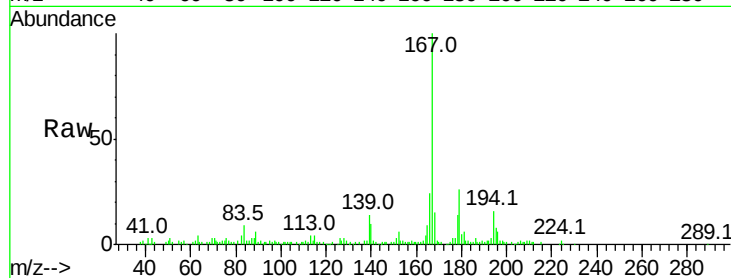
ClientSampleId :

B0EW5

Tot Ion:	167	Resp:	70327
Ion Ratio	Lower	Upper	
167	100		
166	24.0	18.6	28.0
139	14.3	10.6	16.0

Manual Integrations
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#74

Fluoranthene

Concen: 45.830 ng/ul

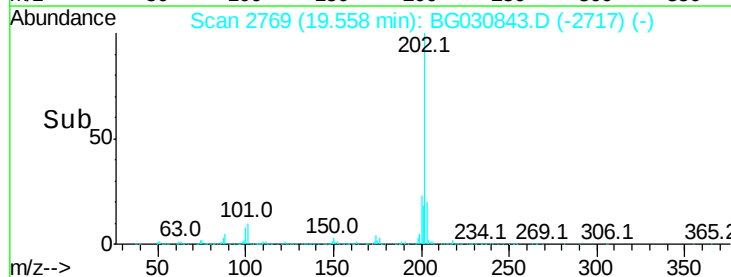
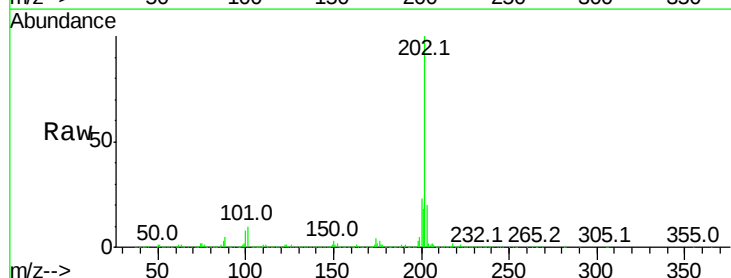
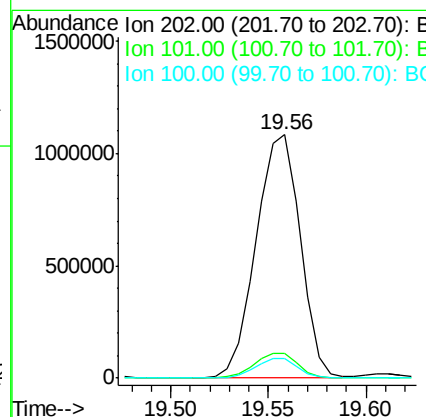
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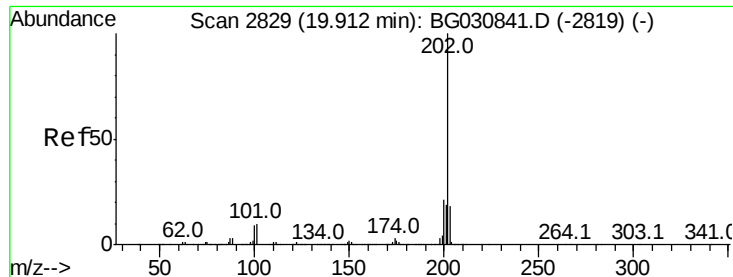
Delta R.T. 0.01 min

Lab File: BG030843.D

Acq: 8 Nov 2017 13:14

Tgt Ion:	202	Resp:	1691490
Ion Ratio	Lower	Upper	
202	100		
101	10.0	7.4	11.2
100	7.8	5.6	8.4





#77

Pvrene

Concen: 47.426 ng/ul m

RT: 19.92 min Scan# 2830

Delta R.T. 0.01 min

Lab File: BG030843.D

Acq: 8 Nov 2017 13:14

Instrument :

BNA_G

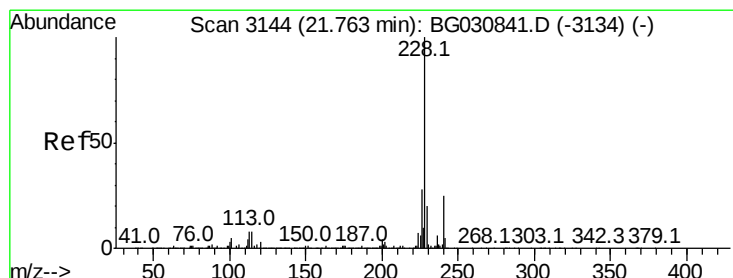
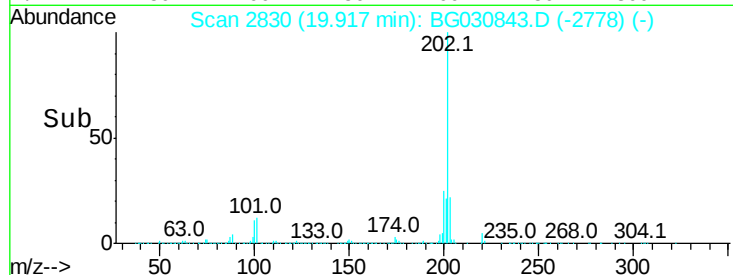
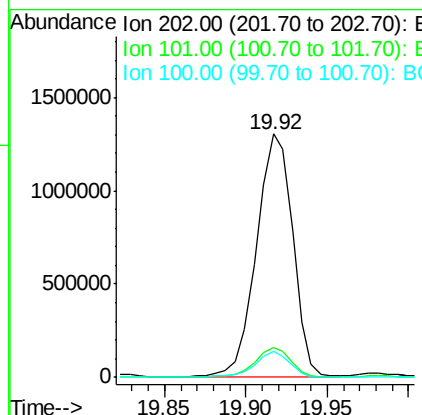
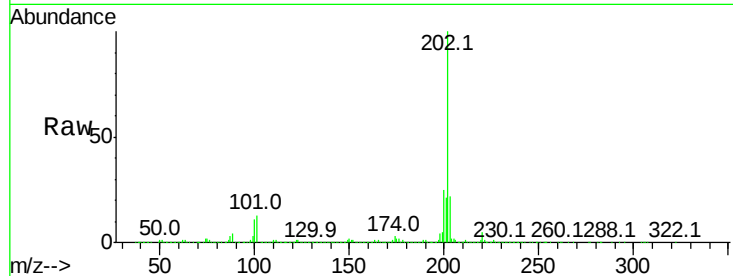
ClientSampleId :

B0EW5

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.5	8.4	12.6
100	10.7	7.0	10.6

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#80

Benzo(a)anthracene

Concen: 23.571 ng/ul

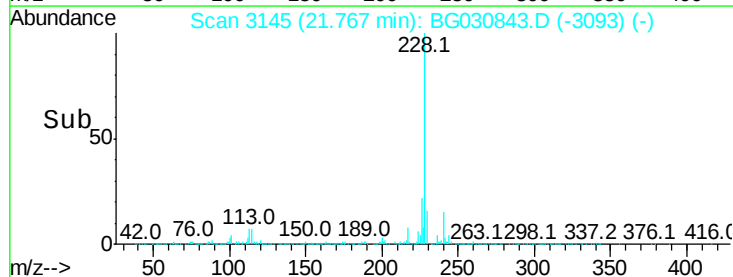
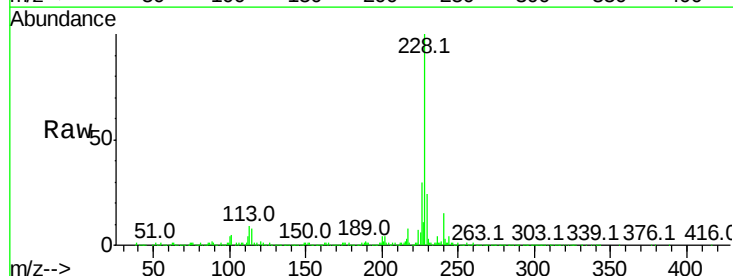
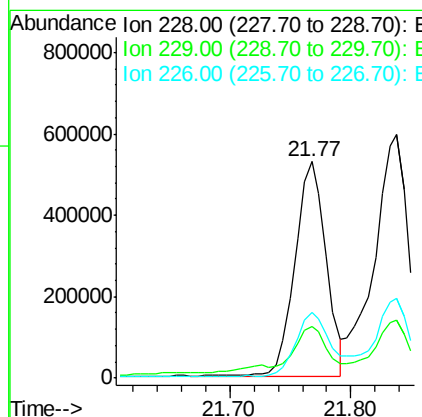
RT: 21.77 min Scan# 3145

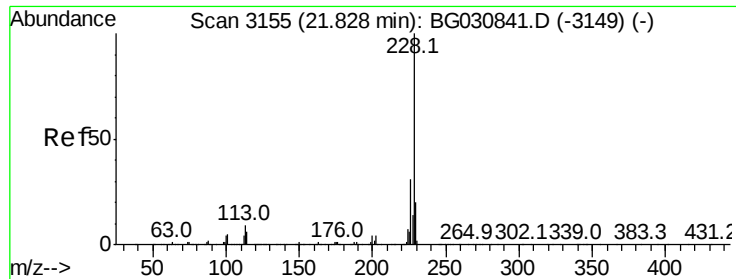
Delta R.T. 0.01 min

Lab File: BG030843.D

Acq: 8 Nov 2017 13:14

Tgt Ion	Ratio	Lower	Upper
228	100		
229	24.0	16.2	24.4
226	30.4	22.2	33.2





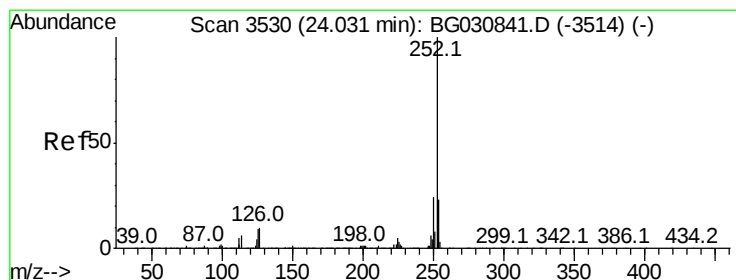
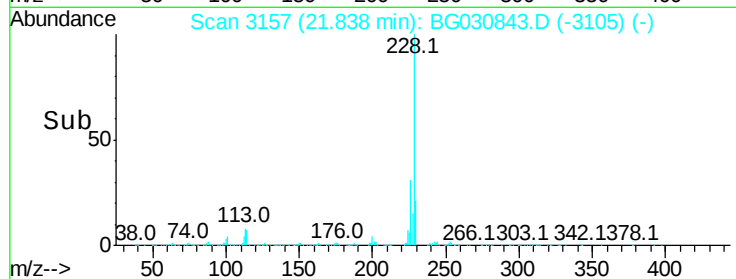
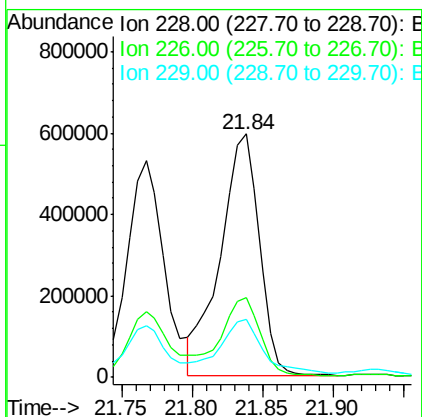
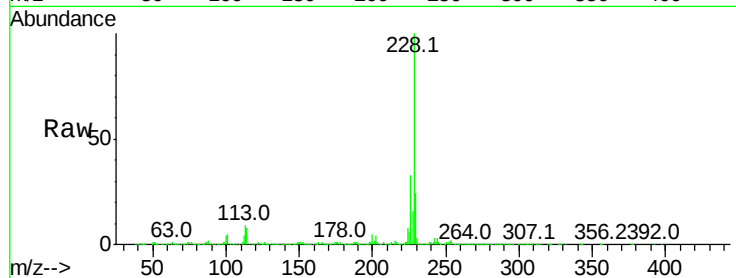
#82
Chrysene
Concen: 31.398 ng/ul
RT: 21.84 min Scan# 3157
Delta R.T. 0.01 min
Lab File: BG030843.D
Acq: 8 Nov 2017 13:14

Instrument :
BNA_G
ClientSampleId :
B0EW5

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.6	24.2	36.2
229	24.1	15.2	22.8

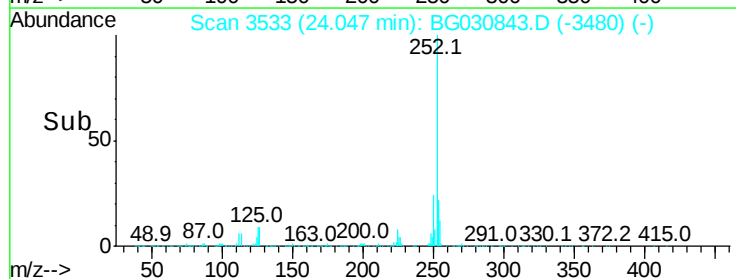
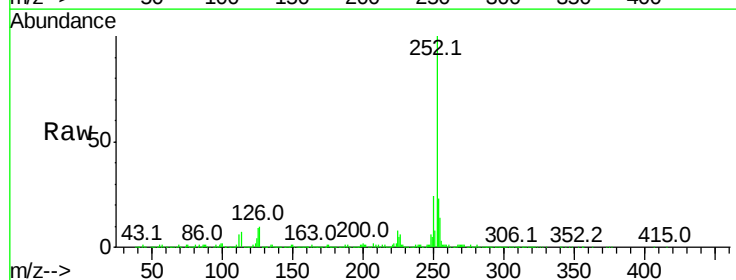
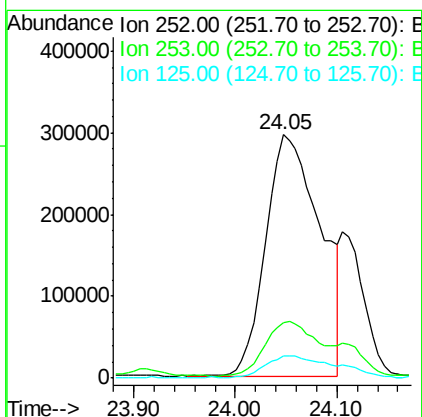
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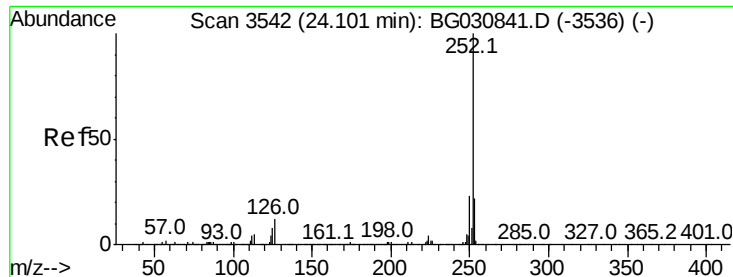
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#85
Benzo(b)fluoranthene
Concen: 27.063 ng/ul
RT: 24.05 min Scan# 3533
Delta R.T. 0.01 min
Lab File: BG030843.D
Acq: 8 Nov 2017 13:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.4
125	8.9	7.5	11.3





#86

Benzo(k)fluoranthene

Concen: 7.122 ng/ul

RT: 24.11 min Scan# 3543

Delta R.T. 0.00 min

Lab File: BG030843.D

Acq: 8 Nov 2017 13:14

Instrument :

BNA_G

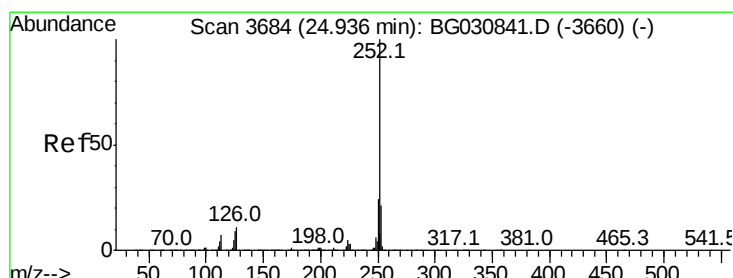
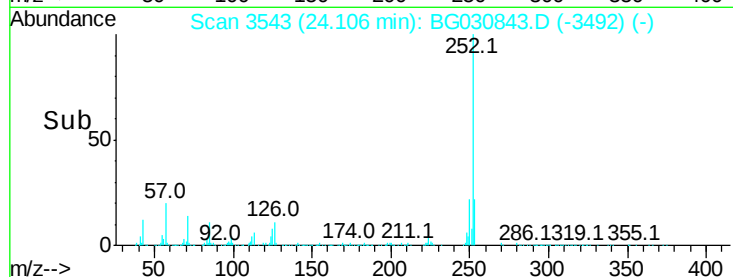
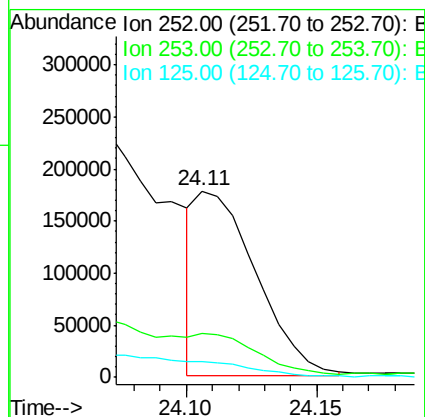
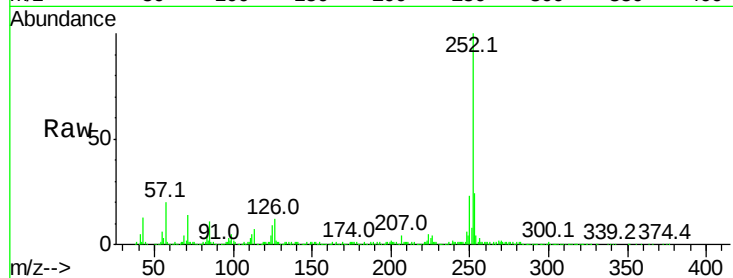
ClientSampleId :

B0EW5

Tot Ion:	252	Resp:	280991
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.2	25.8
125	8.8	7.8	11.8

Manual Integrations
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#88

Benzo(a)pyrene

Concen: 20.235 ng/ul

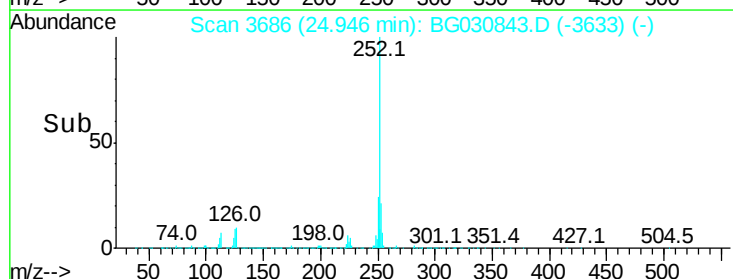
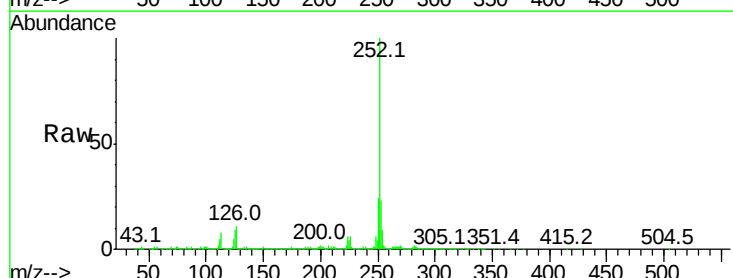
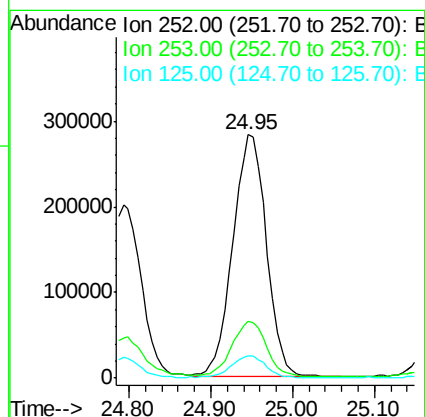
RT: 24.95 min Scan# 3686

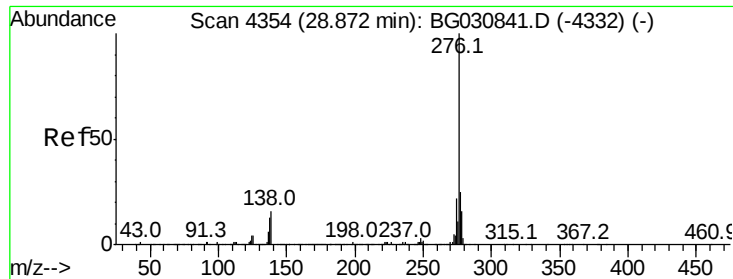
Delta R.T. 0.01 min

Lab File: BG030843.D

Acq: 8 Nov 2017 13:14

Tgt Ion:	252	Resp:	803775
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.1	25.7
125	9.1	7.8	11.8





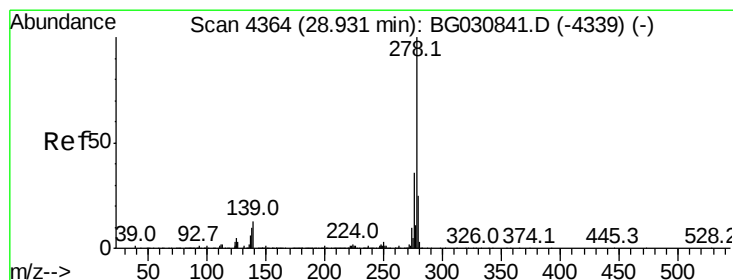
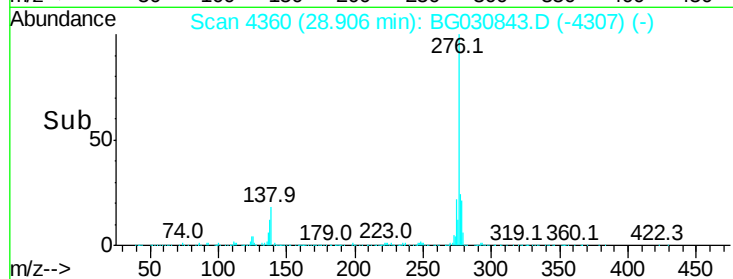
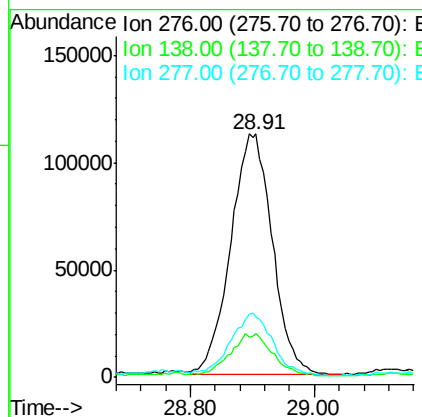
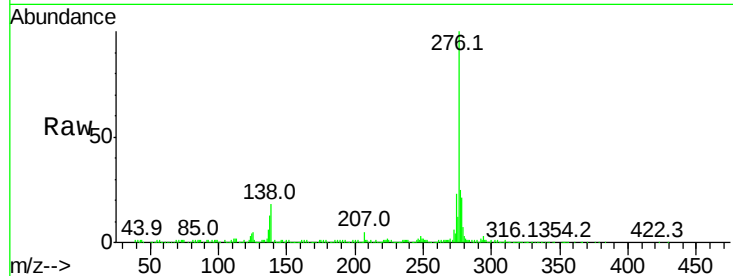
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 11.688 ng/ul
 RT: 28.91 min Scan# 4360
 Delta R.T. 0.01 min
 Lab File: BG030843.D
 Acq: 8 Nov 2017 13:14

Instrument :
 BNA_G
 ClientSampleId :
 B0EW5

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.3	13.4	20.0
277	24.8	18.6	28.0

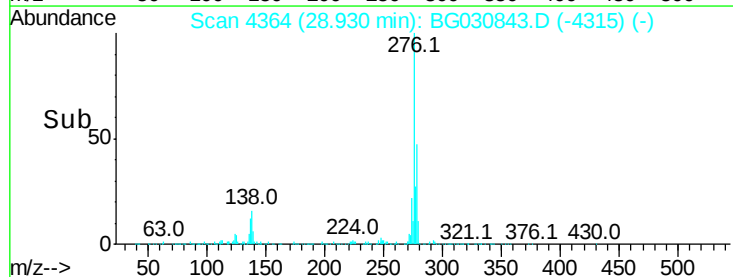
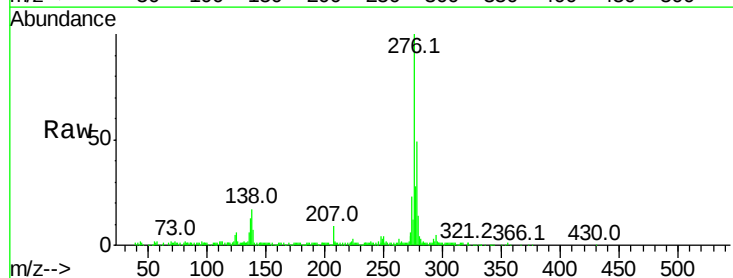
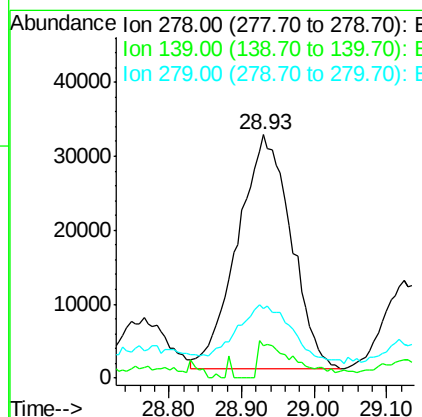
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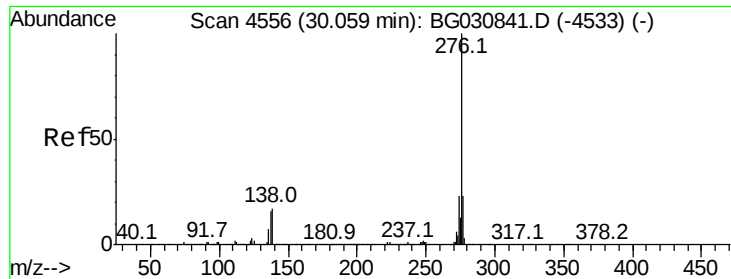
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#90
 Dibenzo(a,h)anthracene
 Concen: 4.364 ng/ul
 RT: 28.93 min Scan# 4364
 Delta R.T. -0.01 min
 Lab File: BG030843.D
 Acq: 8 Nov 2017 13:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.5	9.4	14.2
279	28.7	18.4	27.6#





#91
 Benzo(a,h,i)perylene
 Concen: 12.499 ng/ul
 RT: 30.09 min Scan# 4561
 Delta R.T. 0.02 min
 Lab File: BG030843.D
 Acq: 8 Nov 2017 13:14

Instrument :
 BNA_G
 ClientSampleId :
 B0EW5

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.7	12.1	18.1
277	23.1	17.7	26.5

Manual Integrations
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