

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 : I6004-15
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 08 14:48:52 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	19.70	202	107679	2.505	ng/ul 95
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	24.05	252	1104397	27.991	ng/ul 97
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

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 08 04:22:00 2017
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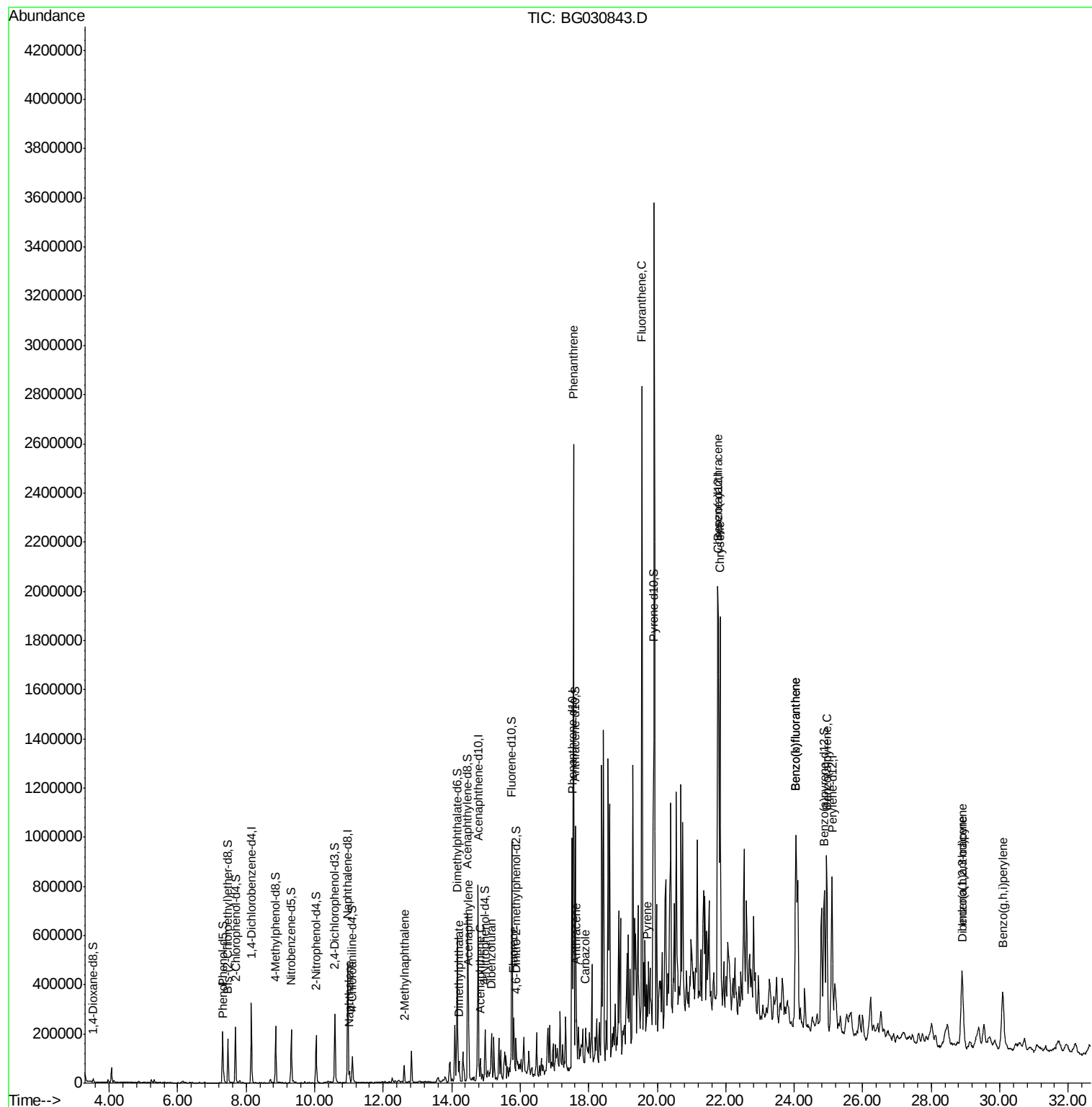
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

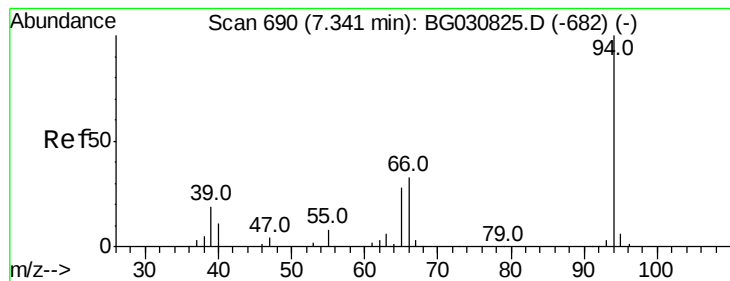
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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BNA_G
ClientSampled :

Quant Time: Nov 08 14:48:52 2017
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QLast Update : Wed Nov 08 04:22:00 2017
Response via : Initial Calibration





#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 :

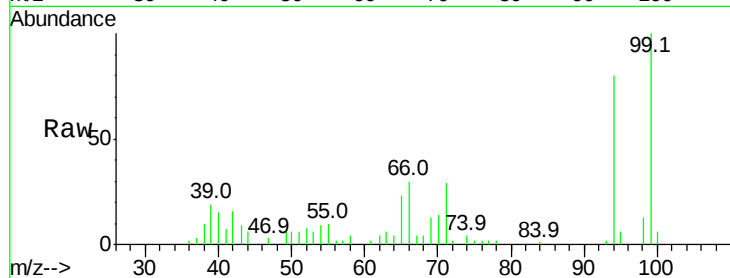
Tot Ion: 94 Resp: 16406

Ion Ratio Lower Upper

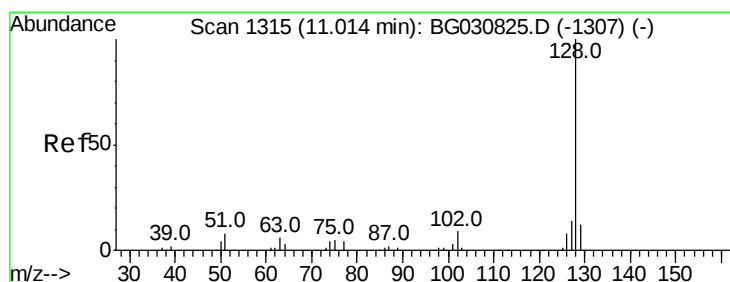
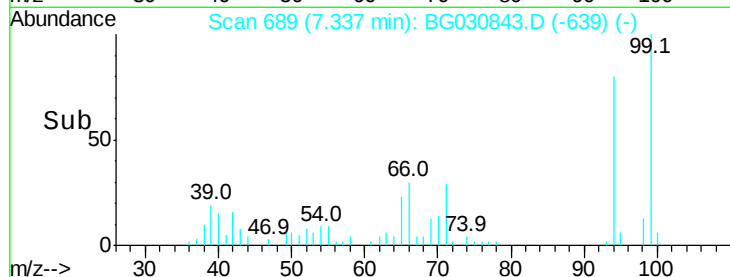
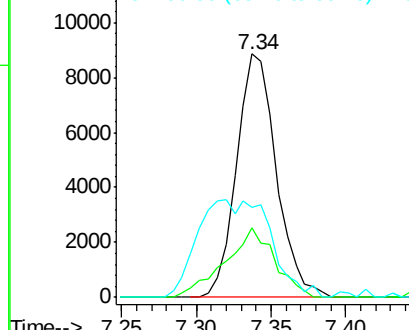
94 100

65 28.4 27.1 40.7

66 37.0 34.6 52.0



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



#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

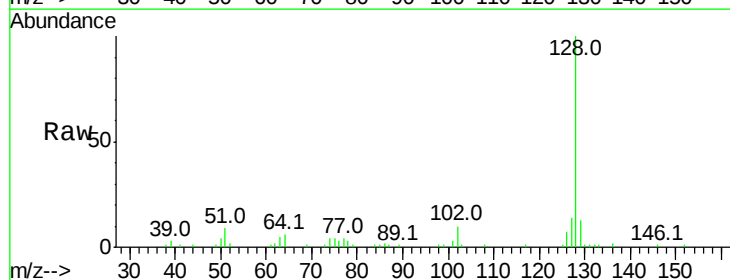
Tgt Ion:128 Resp: 39038

Ion Ratio Lower Upper

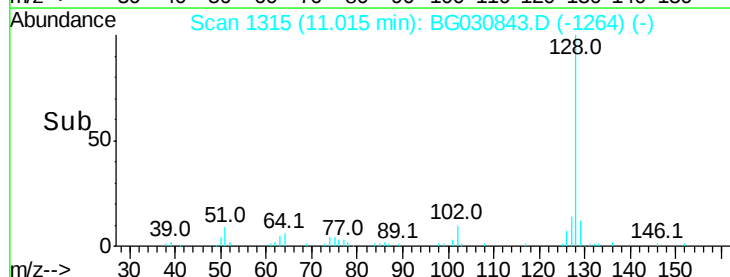
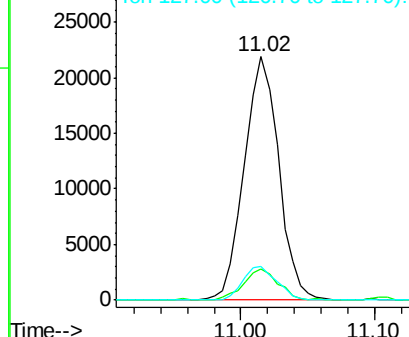
128 100

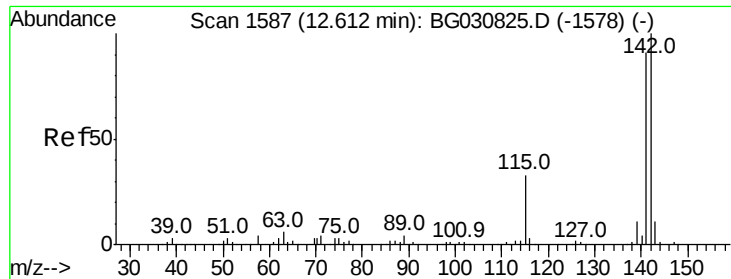
129 12.8 9.3 13.9

127 13.8 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

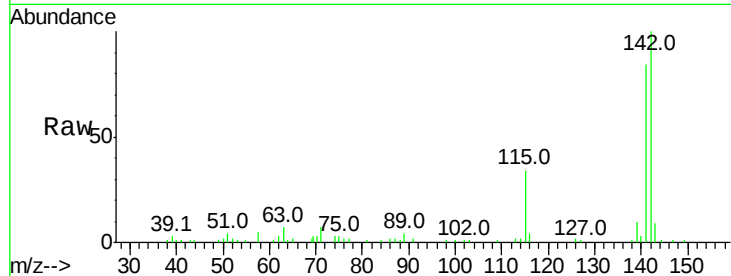




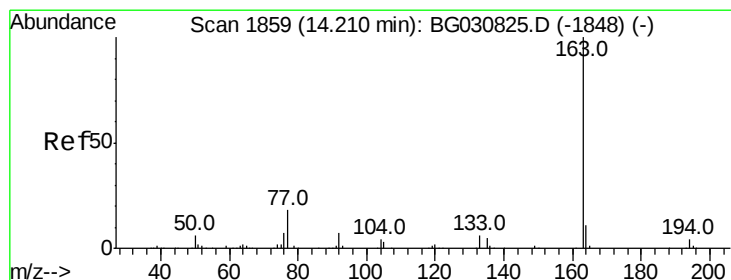
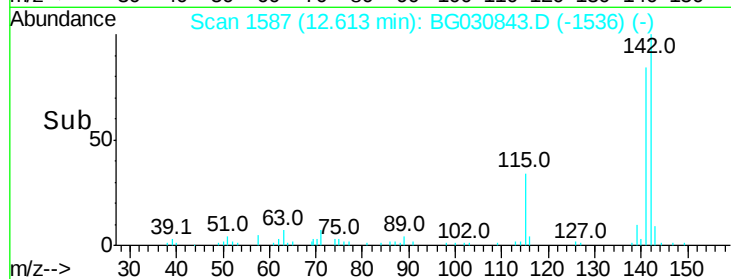
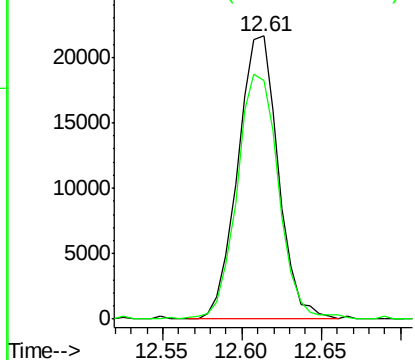
#34
 2-Methylnaphthalene
 Concen: 1.978 ng/ul
 RT: 12.61 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: BG030843.D
 Acq: 8 Nov 2017 13:14

Instrument :
 BNA_G
 ClientSampled :

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

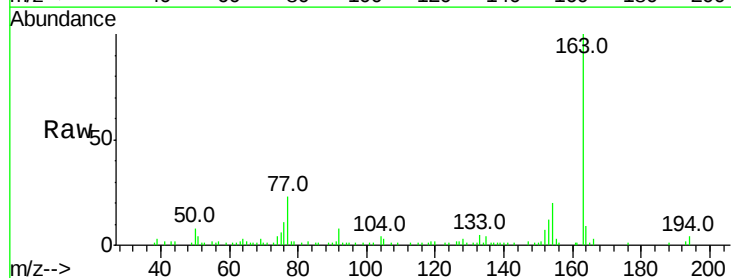


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

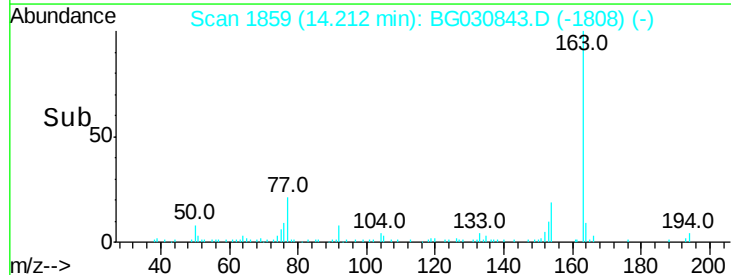
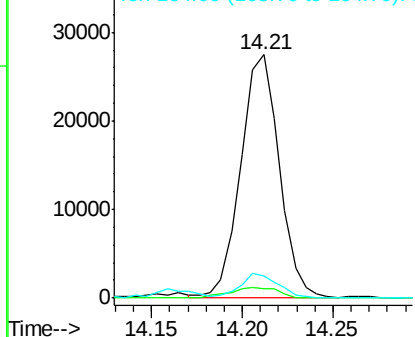


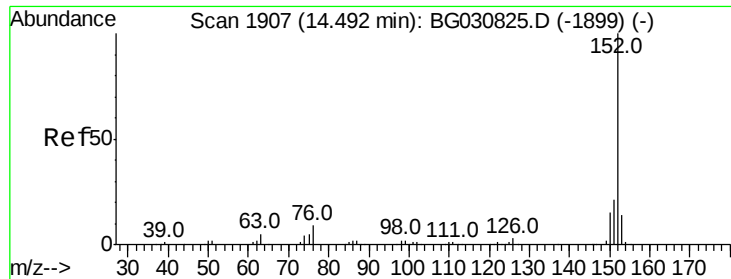
#44
 Dimethylphthalate
 Concen: 1.773 ng/ul
 RT: 14.21 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: BG030843.D
 Acq: 8 Nov 2017 13:14

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



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: 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

ClientSampleId :

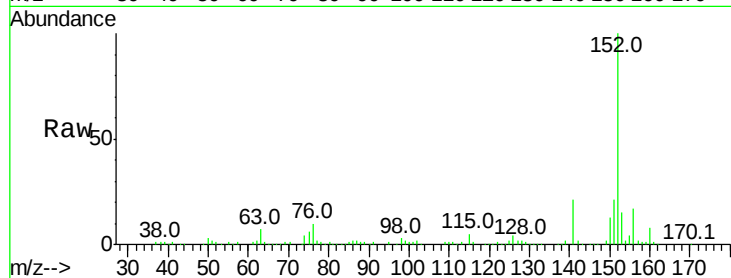
Tot Ion:152 Resp: 167069

Ion Ratio Lower Upper

152 100

151 20.7 15.2 22.8

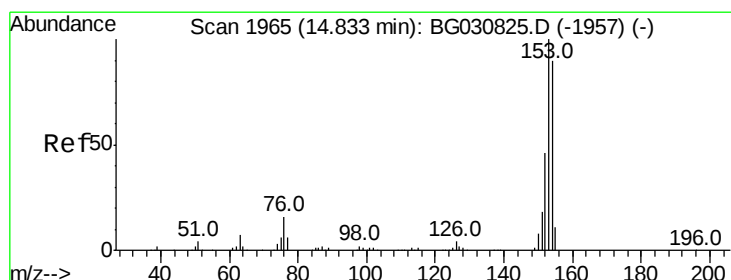
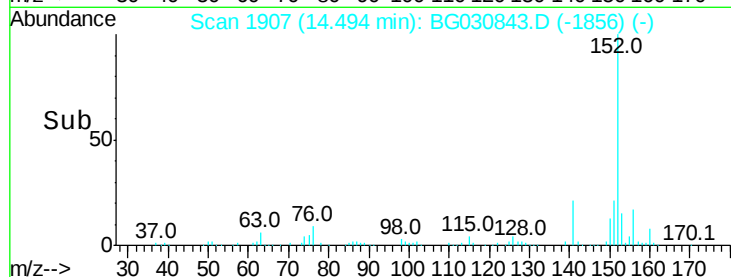
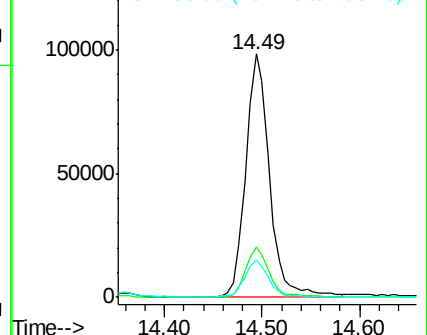
153 15.4 10.2 15.4#



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

Lab File: BG030843.D

Acq: 8 Nov 2017 13:14

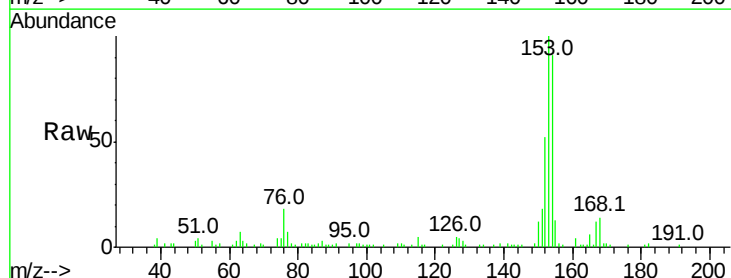
Tgt Ion:153 Resp: 36474

Ion Ratio Lower Upper

153 100

152 51.6 38.2 57.2

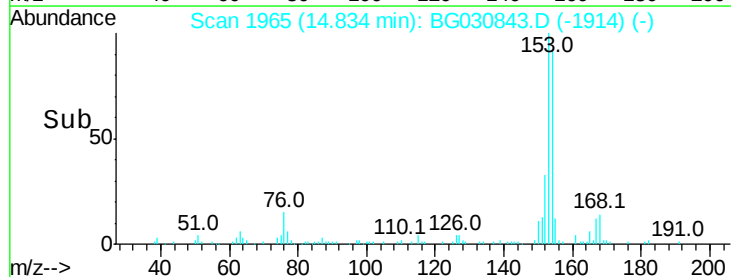
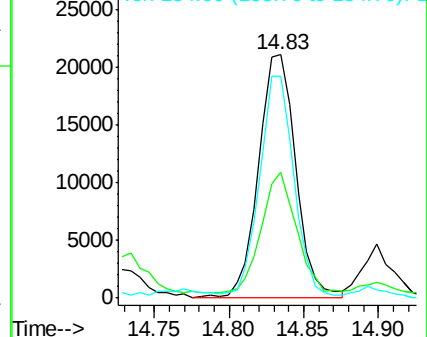
154 90.9 70.6 105.8

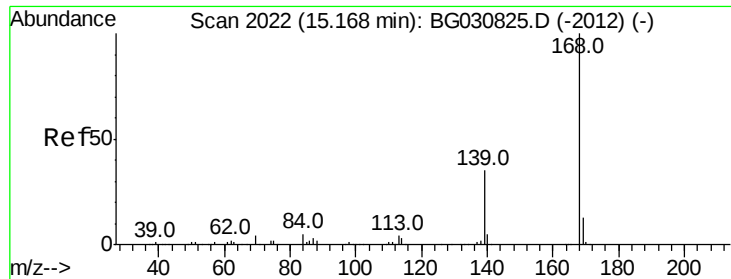


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

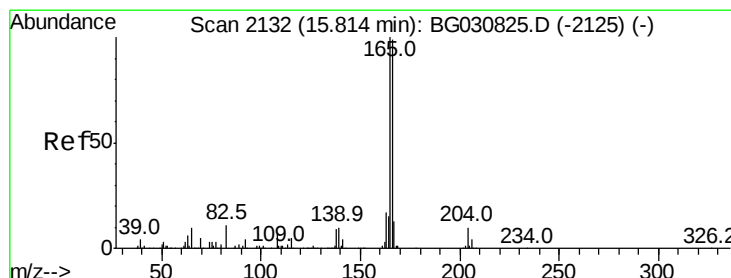
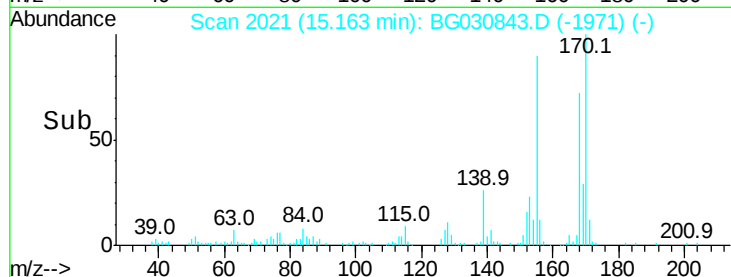
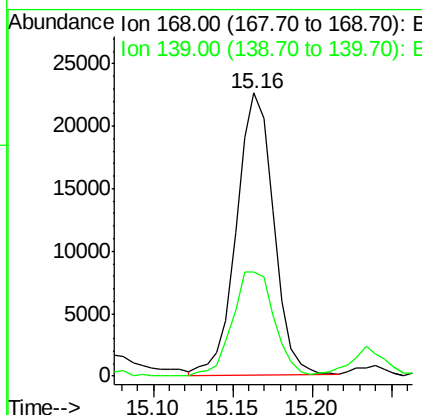
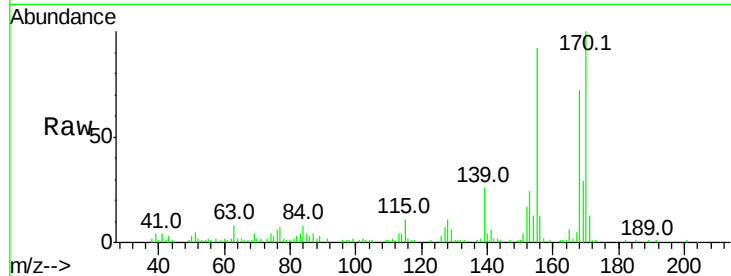




#53
Dibenzofuran
Concen: 1.339 ng/ul
RT: 15.16 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BG030843.D
Acq: 8 Nov 2017 13:14

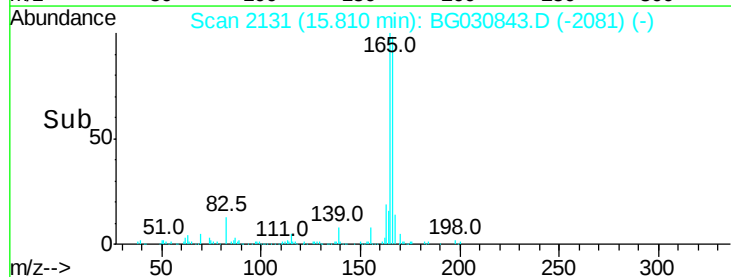
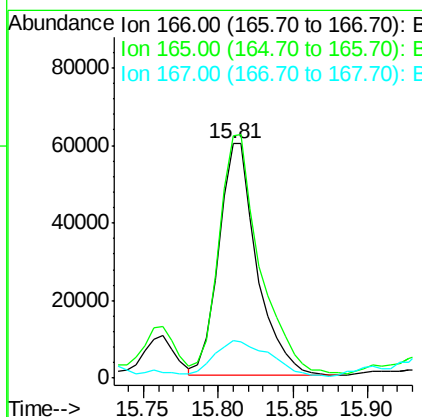
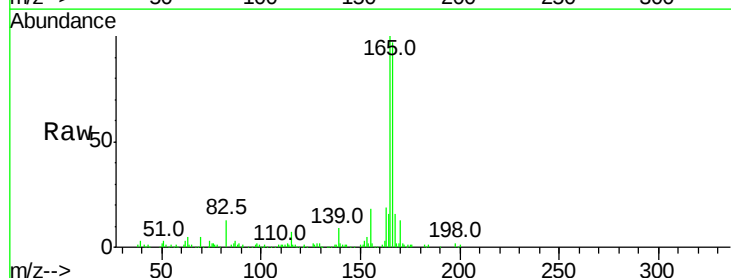
Instrument :
BNA_G
ClientSampled :

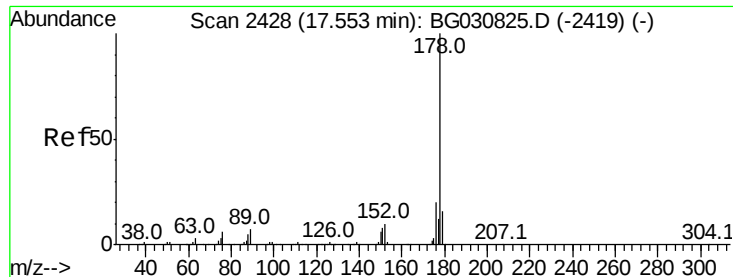
Tot Ion:168 Resp: 36630
Ion Ratio Lower Upper
168 100
139 36.6 31.4 47.2



#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

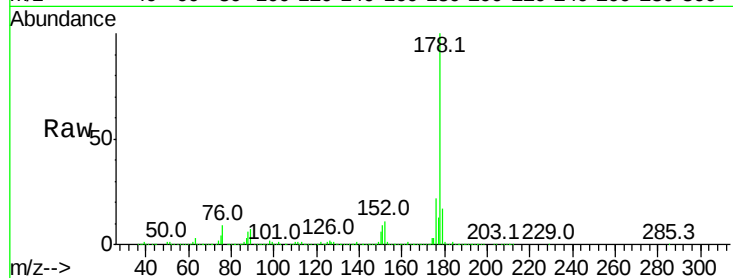
Instrument :

BNA_G

ClientSampled :

Tot Ion:178 Resp: 1585156

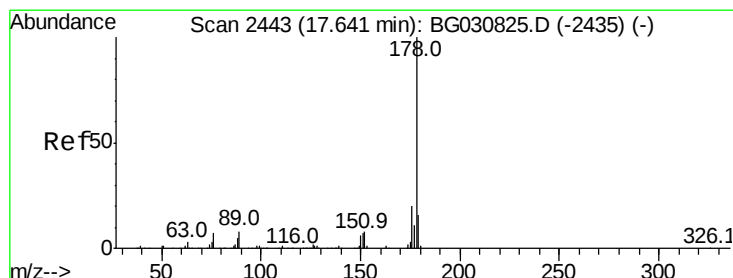
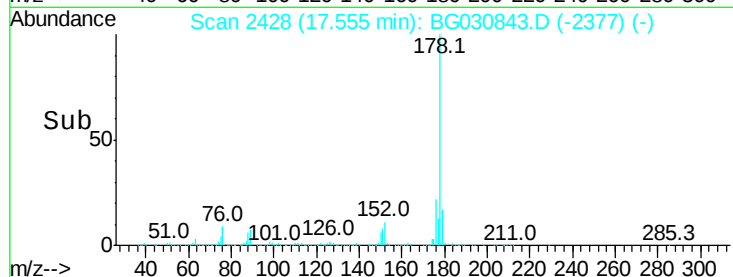
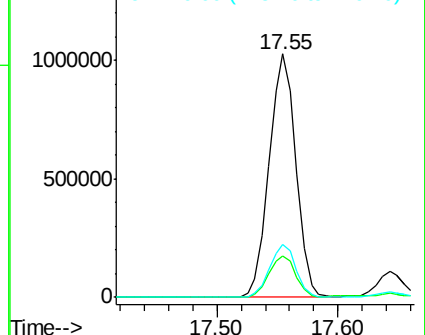
Ion	Ratio	Lower	Upper
178	100		
179	17.2	13.0	19.6
176	21.9	15.3	22.9



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: 5.032 ng/ul

RT: 17.64 min Scan# 2443

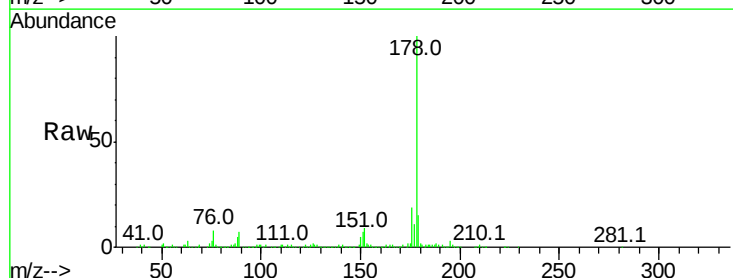
Delta R.T. 0.00 min

Lab File: BG030843.D

Acq: 8 Nov 2017 13:14

Tgt Ion:178 Resp: 171457

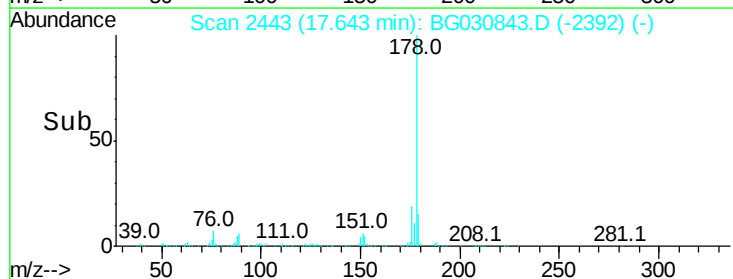
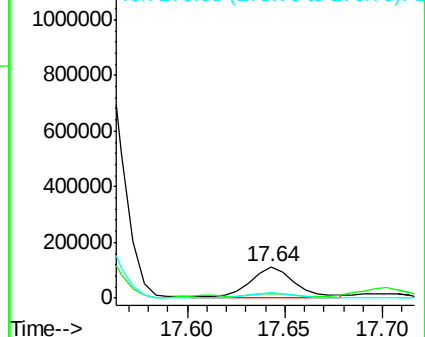
Ion	Ratio	Lower	Upper
178	100		
179	15.1	13.2	19.8
176	19.3	16.0	24.0

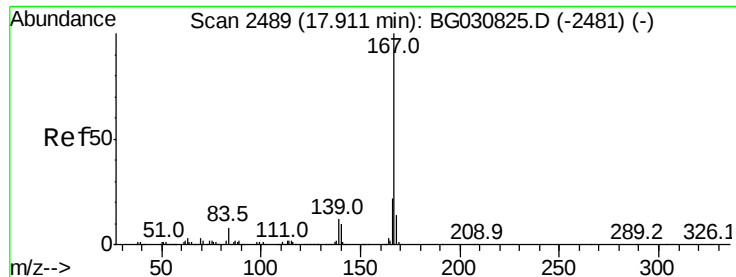


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#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

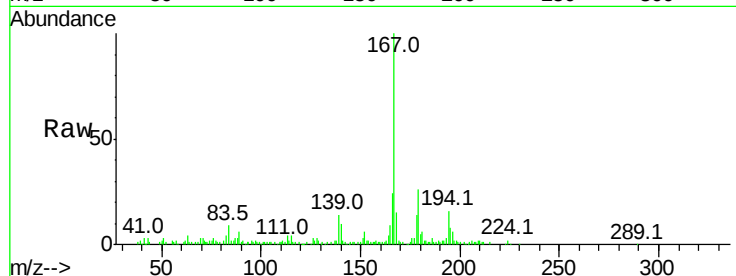
Instrument :

BNA_G

ClientSampleId :

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

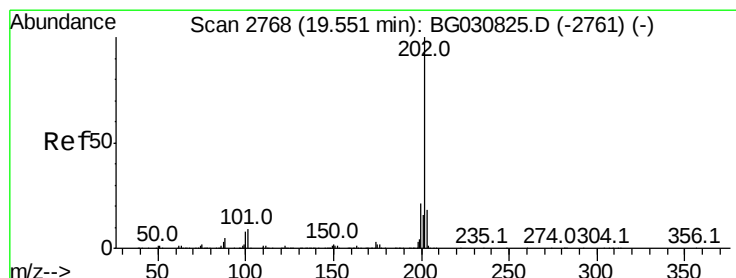
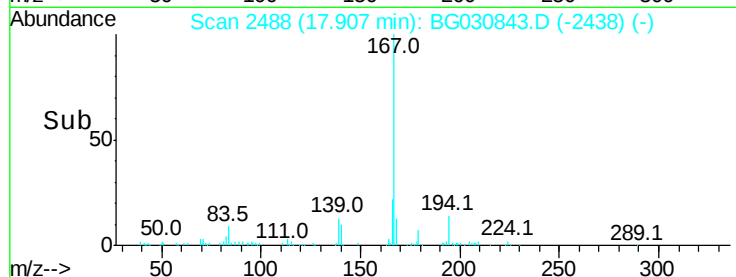
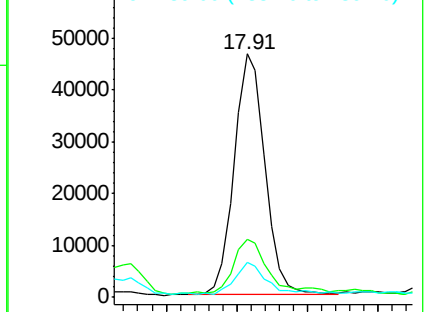


Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 45.830 ng/ul

RT: 19.56 min Scan# 2769

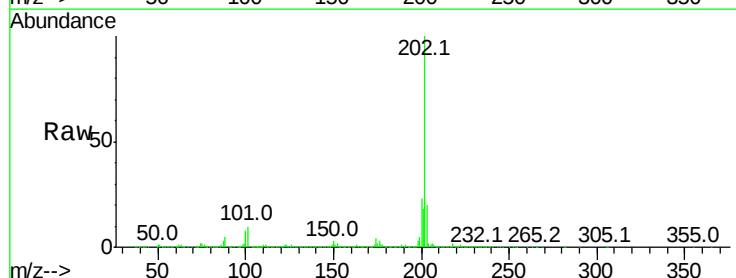
Delta R.T. 0.01 min

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

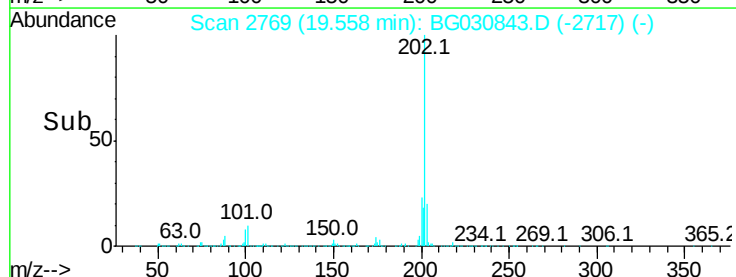
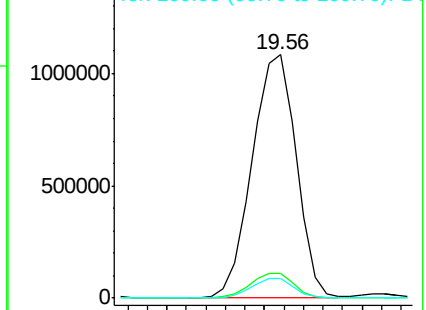


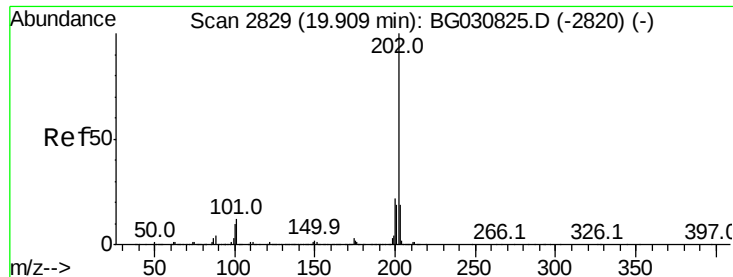
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

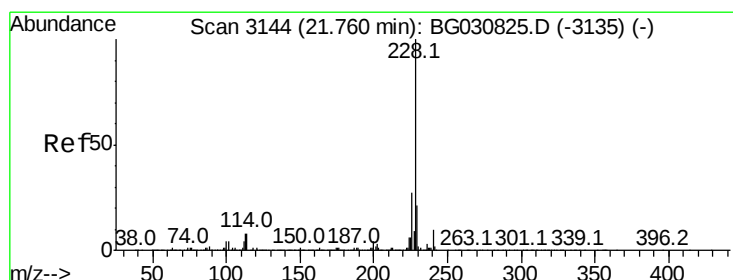
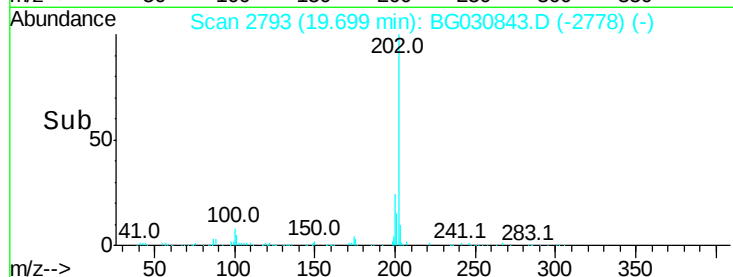
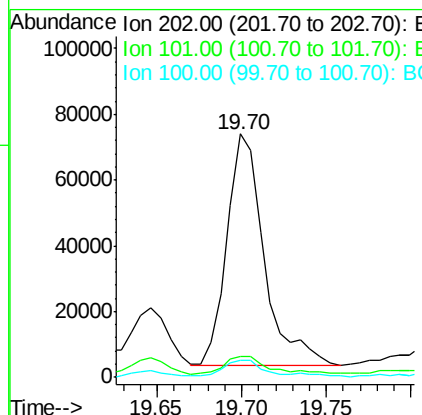
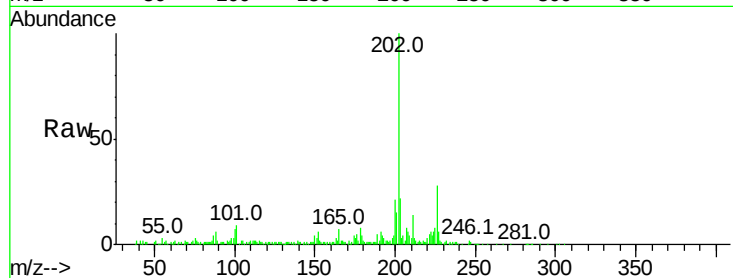




#77
 Pvrene
 Concen: 2.505 ng/ul
 RT: 19.70 min Scan# 2793
 Delta R.T. -0.21 min
 Lab File: BG030843.D
 Acq: 8 Nov 2017 13:14

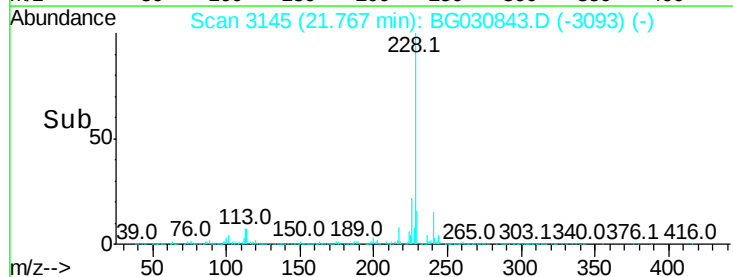
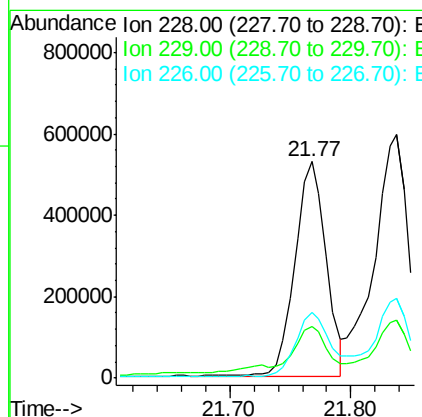
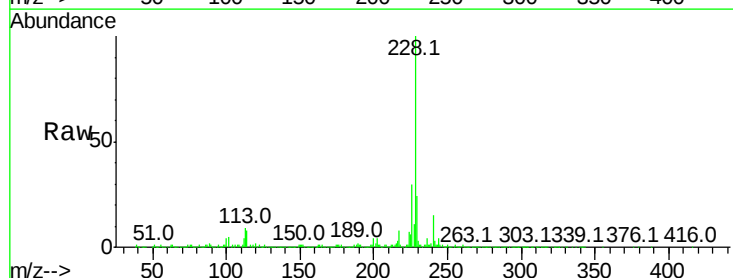
Instrument :
 BNA_G
 ClientSampleId :

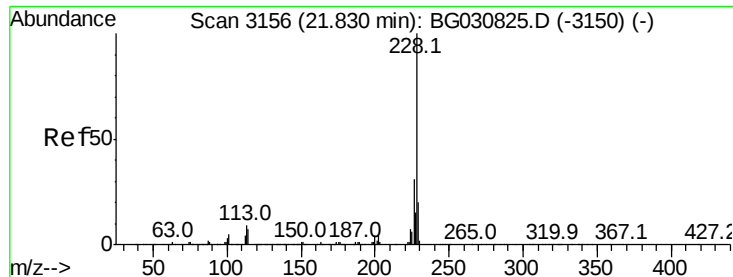
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.8	8.4	12.6
100	7.1	7.0	10.6



#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 :

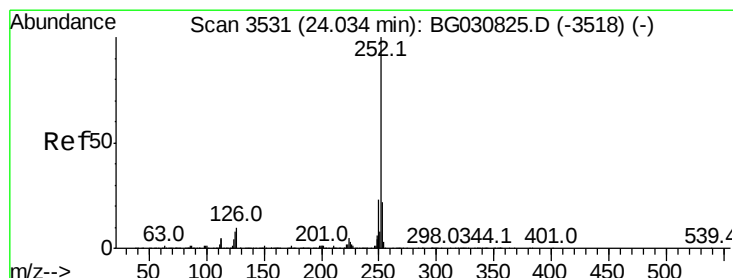
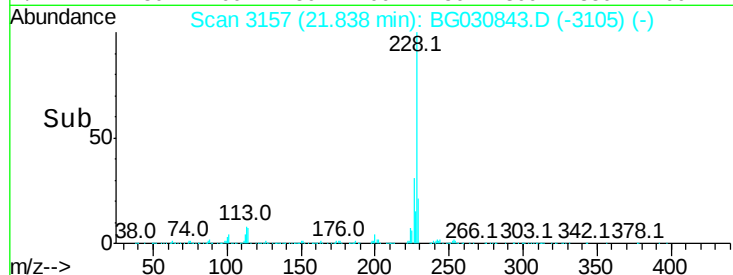
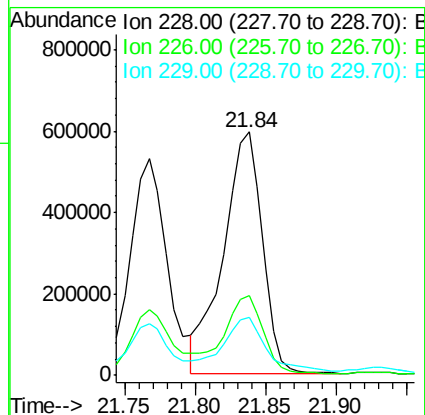
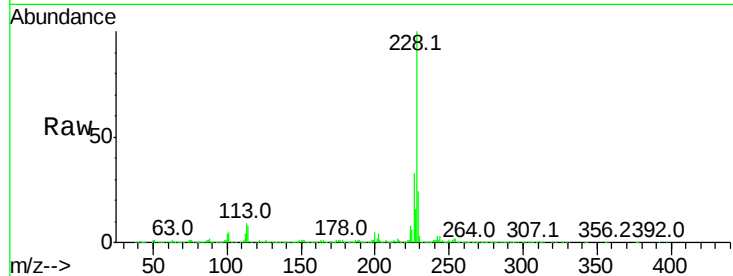
Tot Ion:228 Resp: 1146508

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

228 100

226 32.6 24.2 36.2

229 24.1 15.2 22.8#



#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

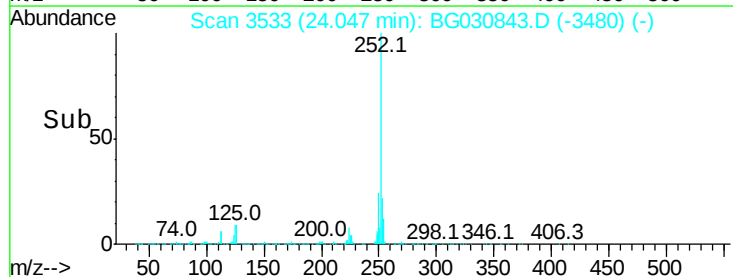
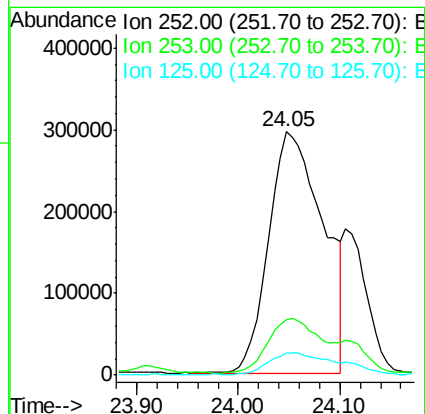
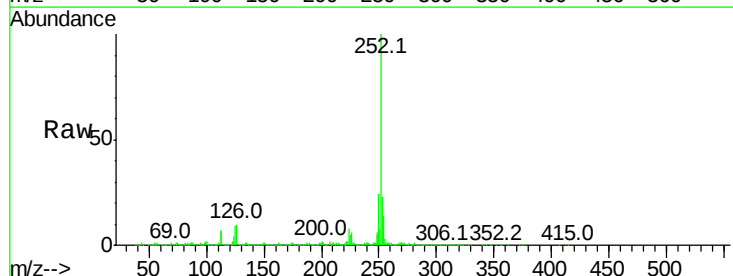
Tgt Ion:252 Resp: 1104397

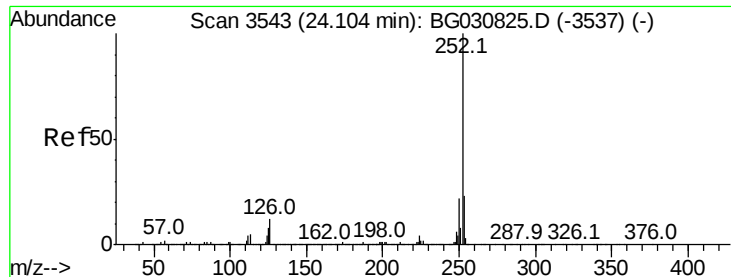
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.4
125	8.9	7.5	11.3

252 100

253 22.9 17.0 25.4

125 8.9 7.5 11.3





#86

Benzo(k)fluoranthene

Concen: 27.991 ng/ul

RT: 24.05 min Scan# 3533

Delta R.T. -0.06 min

Lab File: BG030843.D

Acq: 8 Nov 2017 13:14

Instrument :

BNA_G

ClientSampleId :

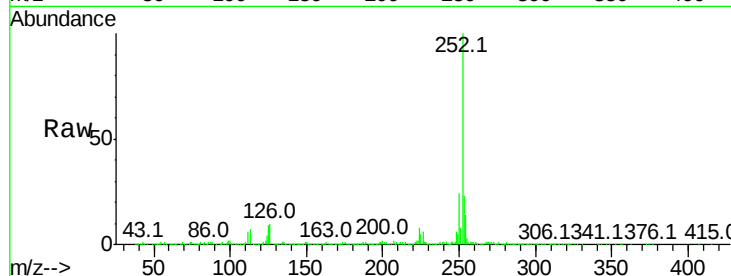
Tot Ion:252 Resp: 1104397

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

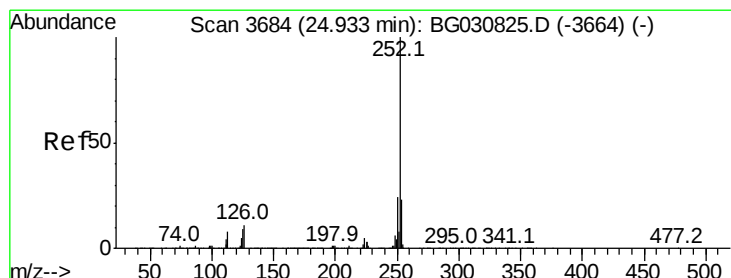
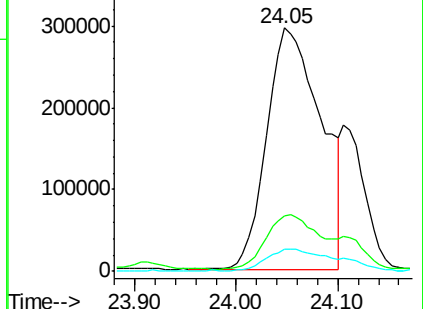
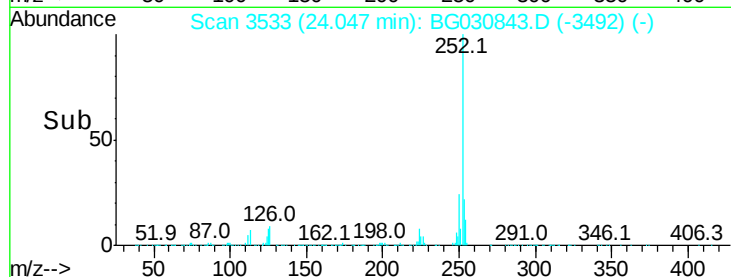
125 8.9 7.8 11.8



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: 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

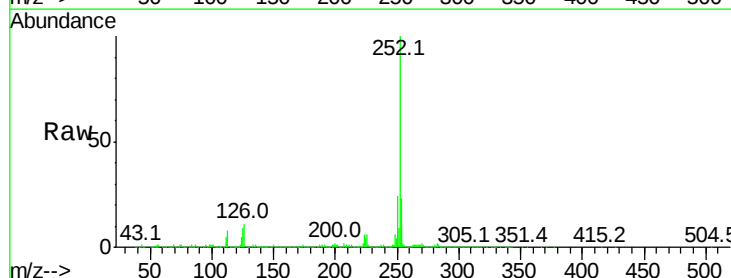
Tgt Ion:252 Resp: 803775

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

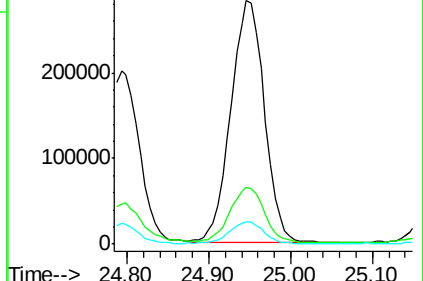
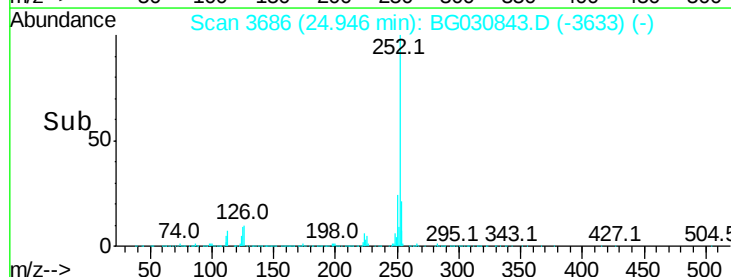
125 9.1 7.8 11.8

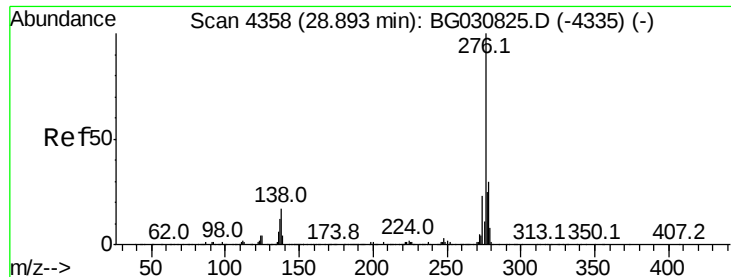


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



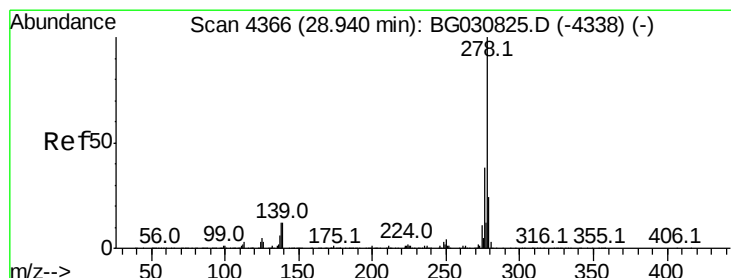
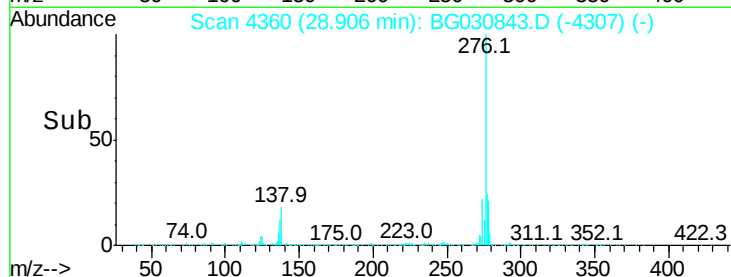
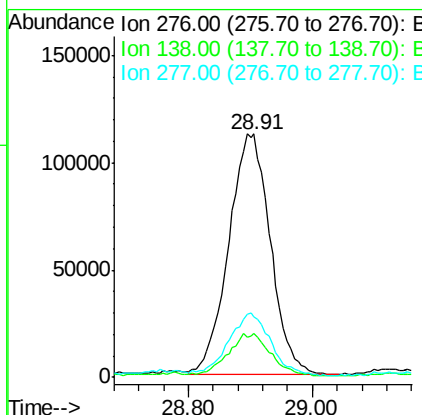
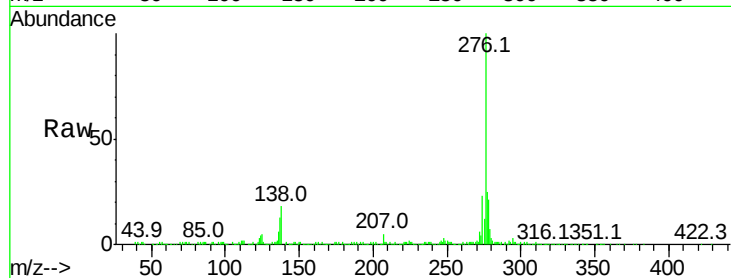


#89

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 :

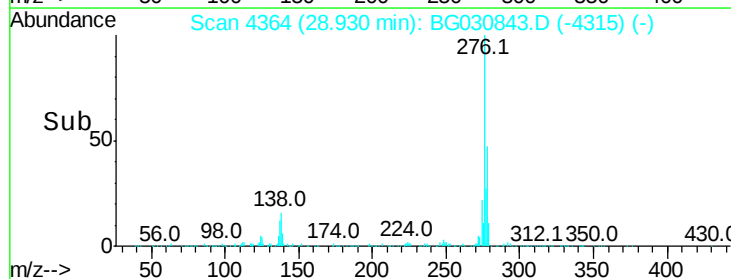
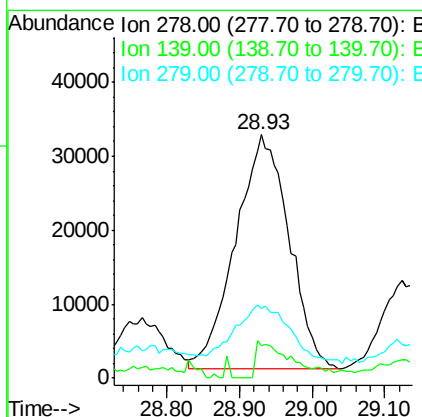
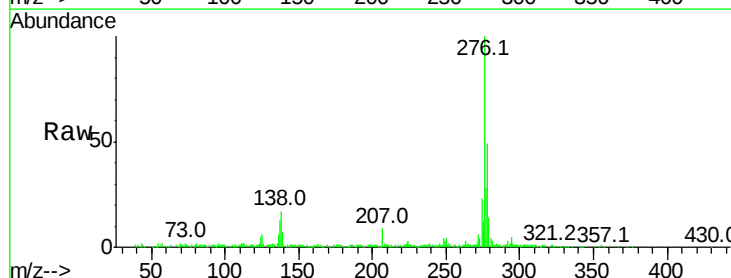
Tot Ion	Ratio	Lower	Upper
276	100		
138	18.3	13.4	20.0
277	24.8	18.6	28.0

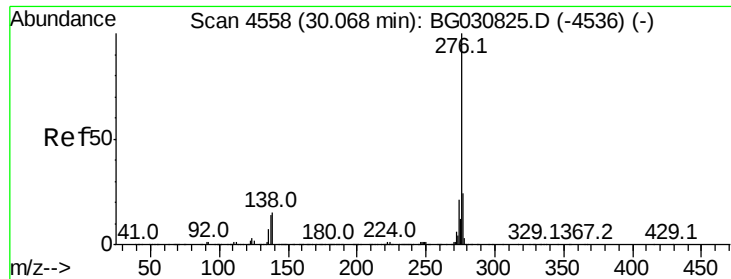


#90

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 :

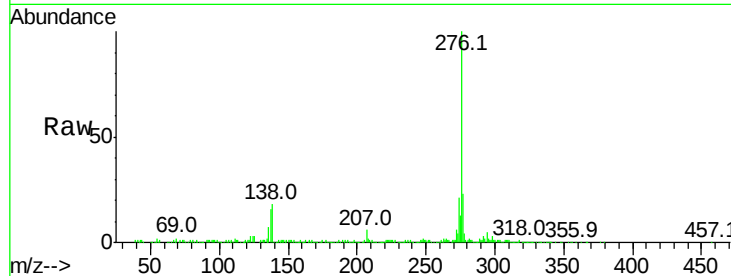
Tot Ion:276 Resp: 465599

Ion Ratio Lower Upper

276 100

138 17.7 12.1 18.1

277 23.1 17.7 26.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

