

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 :

Quant Time: Nov 08 01:13:26 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 08 01:10:22 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	0.00

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	0.01

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
30) 4-Chloroaniline	11.02	127	14331	2.041	ng/ul#	10
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	17.64	178	959011	31.867	ng/ul	98
71) Anthracene	17.64	178	959011	30.887	ng/ul	99
72) Carbazole	17.91	167	333861	11.962	ng/ul	98
77) Pyrene	19.92	202	2423188	62.220	ng/ul#	92
80) Benzo(a)anthracene	21.77	228	1697994	46.626	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	28.76	278	43204	1.264	ng/ul	96
91) Benzo(a,h,i)perylene	30.08	276	458271	13.435	ng/ul	98

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QLast Update : Wed Nov 08 01:10:22 2017
Response via : Initial Calibration

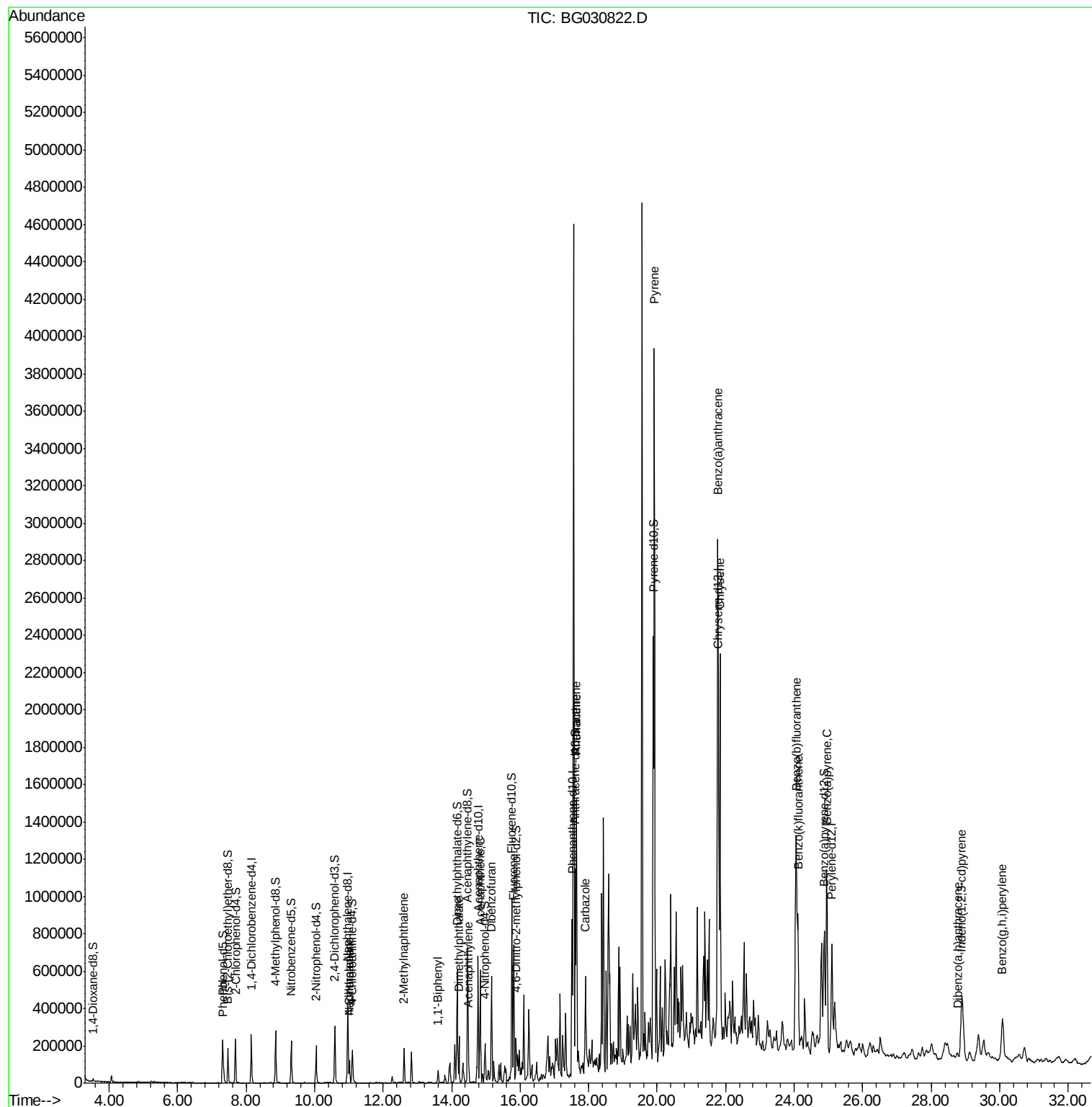
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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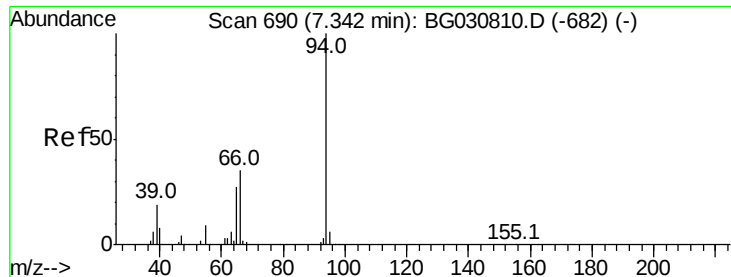
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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 :

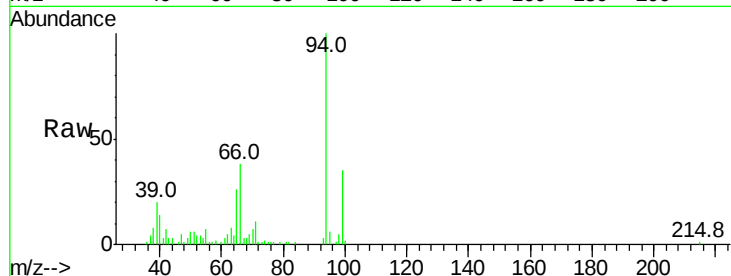
Tot Ion: 94 Resp: 45807

Ion Ratio Lower Upper

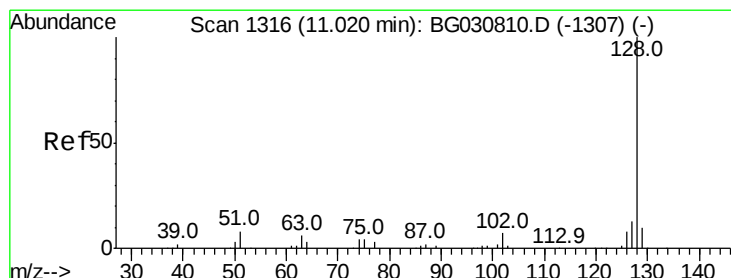
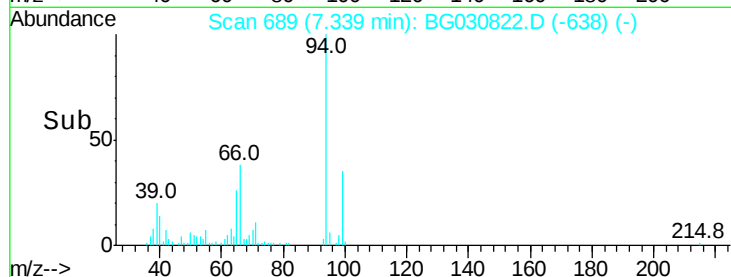
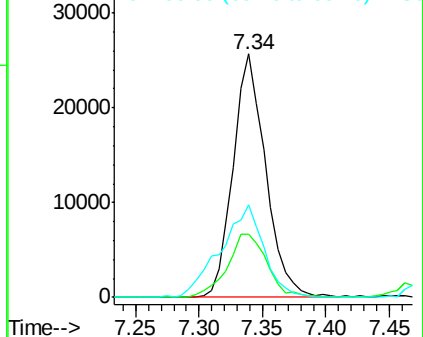
94 100

65 25.9 27.1 40.7#

66 38.0 34.6 52.0



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: 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

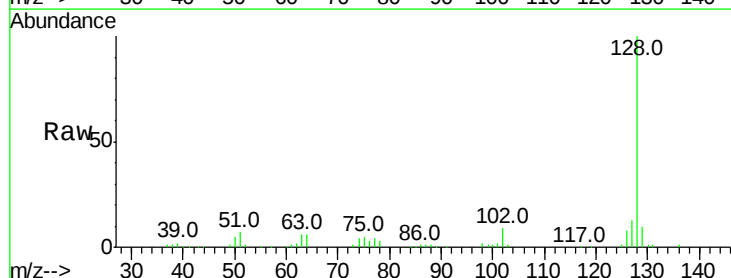
Tgt Ion: 128 Resp: 108364

Ion Ratio Lower Upper

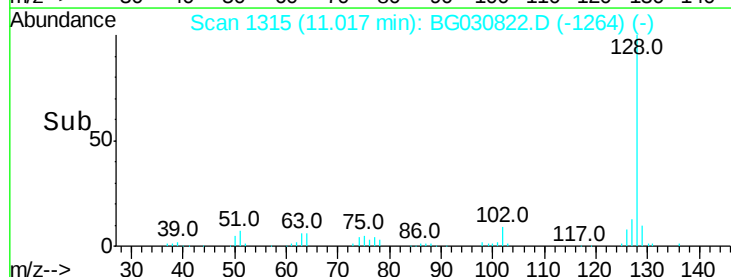
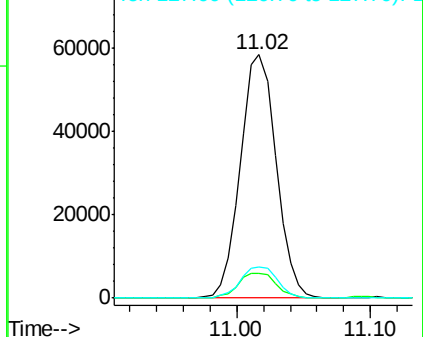
128 100

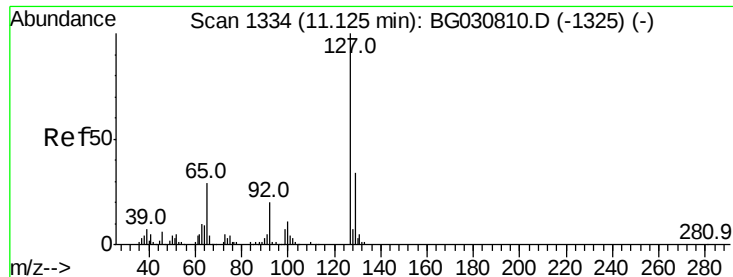
129 10.1 9.3 13.9

127 12.8 10.7 16.1



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

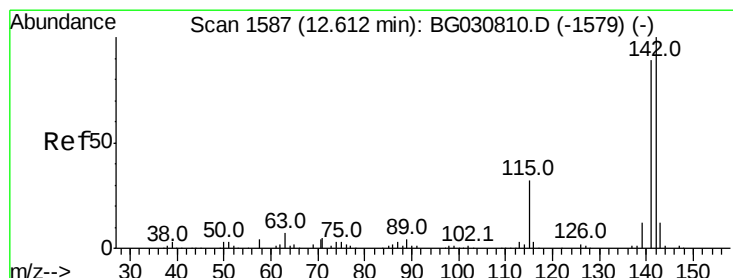
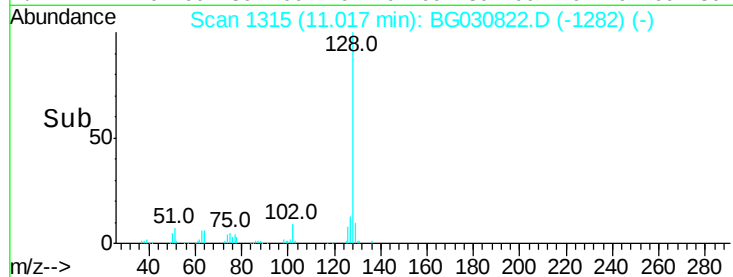
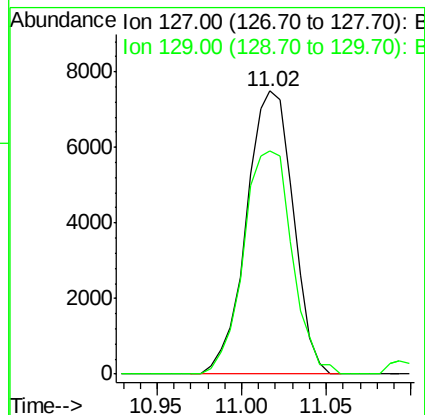
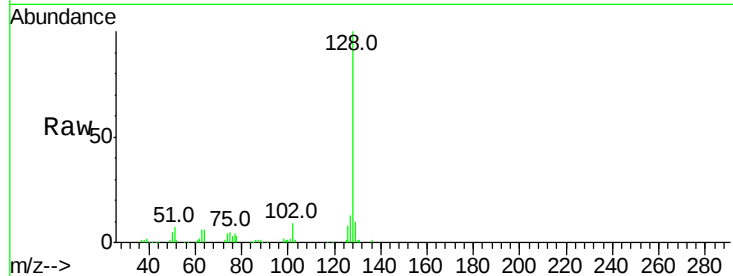




#30
4-Chloroaniline
Concen: 2.041 ng/ul
RT: 11.02 min Scan# 1315
Delta R.T. -0.11 min
Lab File: BG030822.D
Acq: 8 Nov 2017 00:10

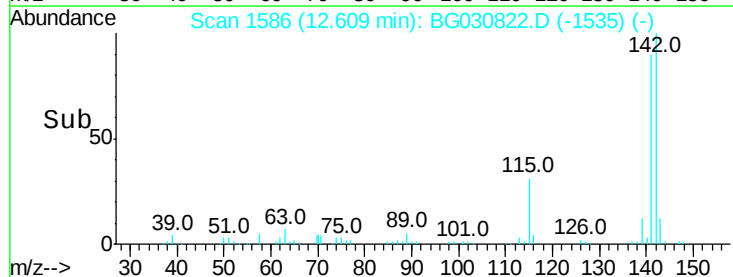
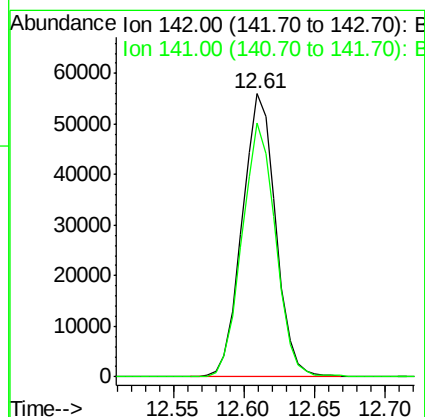
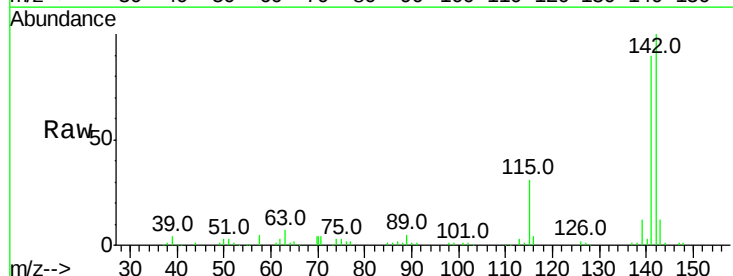
Instrument :
BNA_G
ClientSampleId :

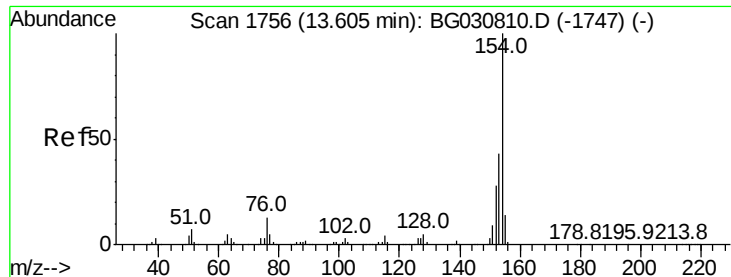
Tot Ion:127 Resp: 14331
Ion Ratio Lower Upper
127 100
129 78.7 23.9 35.9#



#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

Tgt Ion:142 Resp: 93045
Ion Ratio Lower Upper
142 100
141 89.6 75.4 113.0





#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

Instrument :

BNA_G

ClientSampleId :

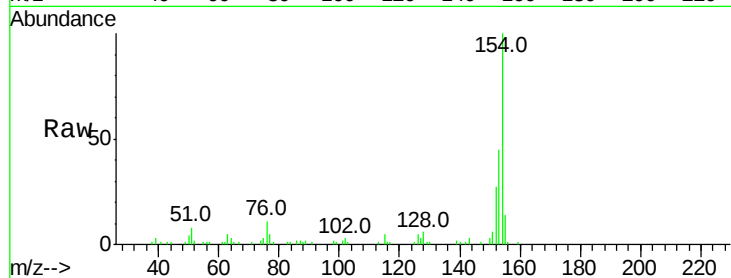
Tot Ion:154 Resp: 34283

Ion Ratio Lower Upper

154 100

153 45.1 34.6 52.0

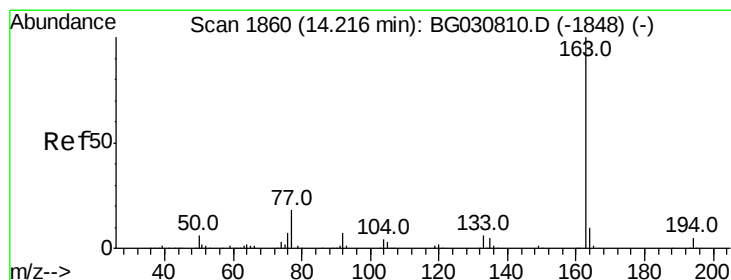
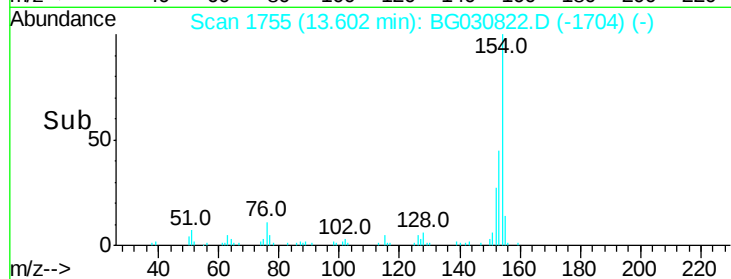
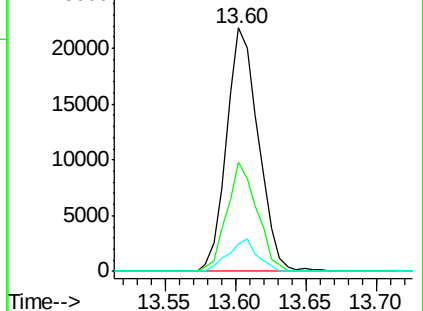
76 11.4 10.6 15.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#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

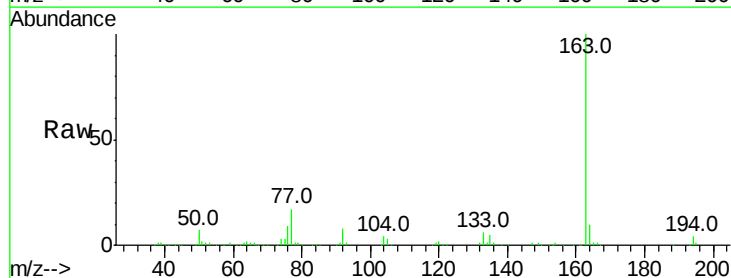
Tgt Ion:163 Resp: 177734

Ion Ratio Lower Upper

163 100

194 4.3 3.5 5.3

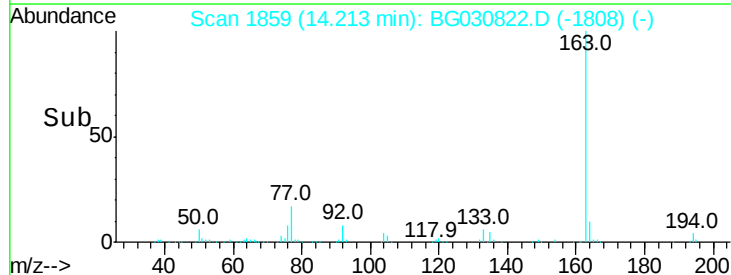
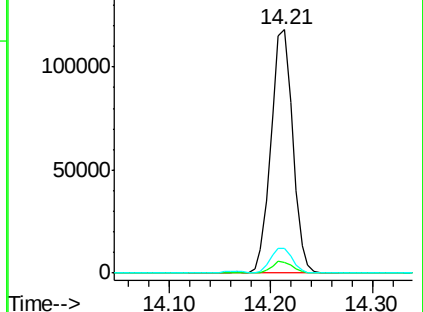
164 10.2 7.6 11.4

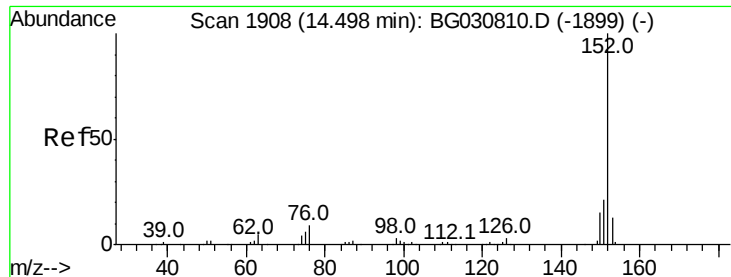


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 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

Instrument :

BNA_G

ClientSampleId :

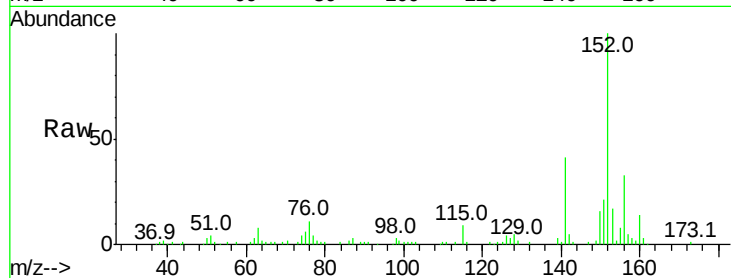
Tot Ion:152 Resp: 65547

Ion Ratio Lower Upper

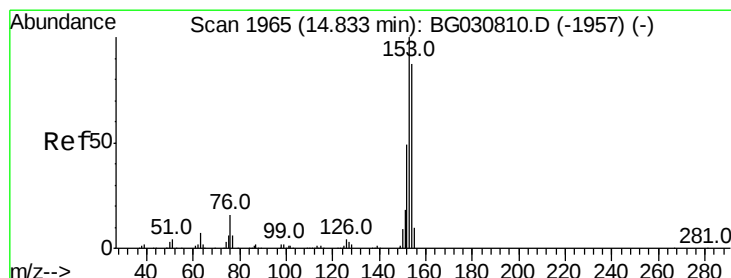
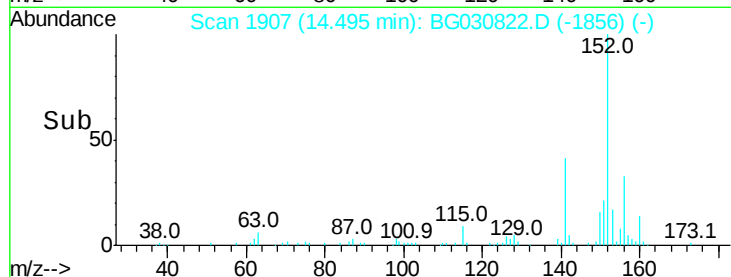
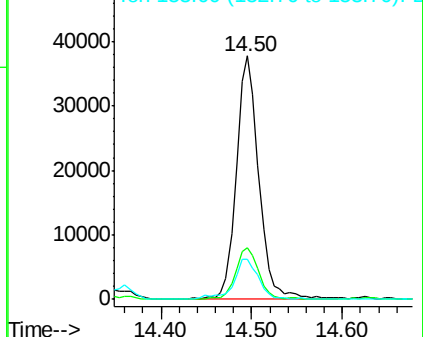
152 100

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

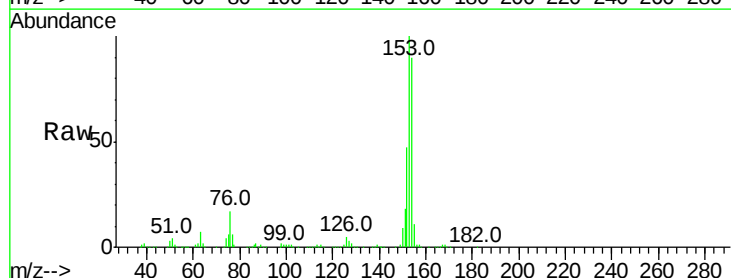
Tgt Ion:153 Resp: 264330

Ion Ratio Lower Upper

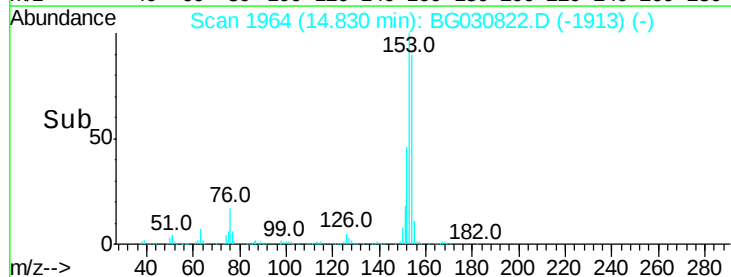
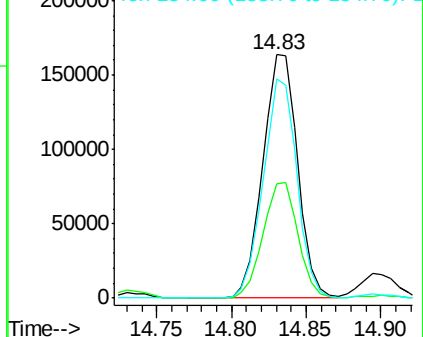
153 100

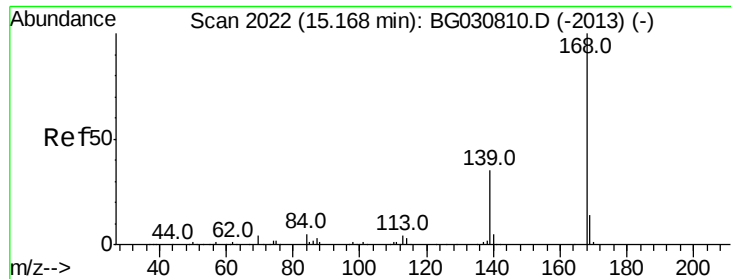
152 46.8 38.2 57.2

154 90.0 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

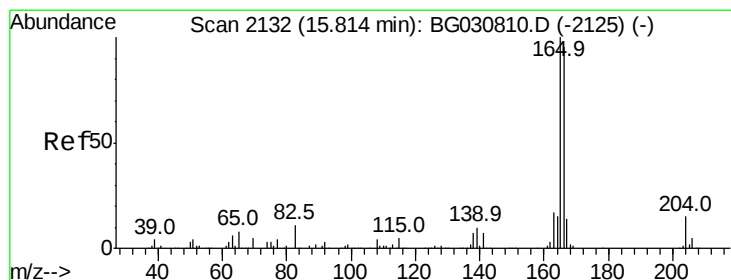
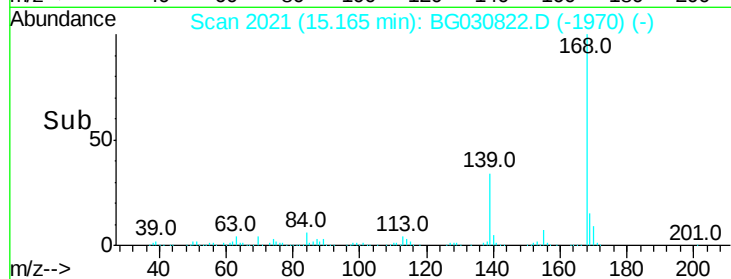
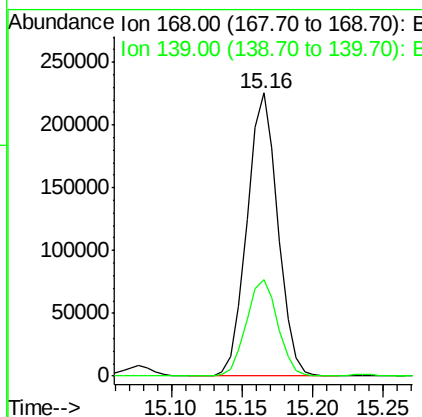
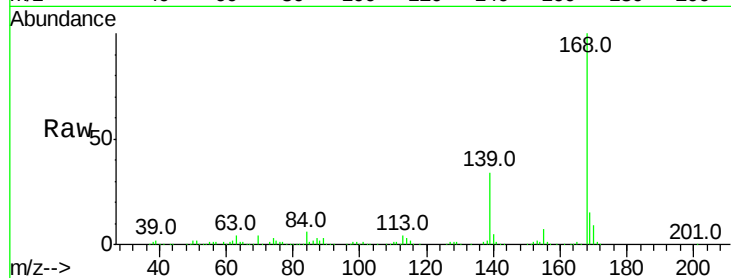




#53
Diben-zofuran
Concen: 14.537 ng/ul
RT: 15.16 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BG030822.D
Acq: 8 Nov 2017 00:10

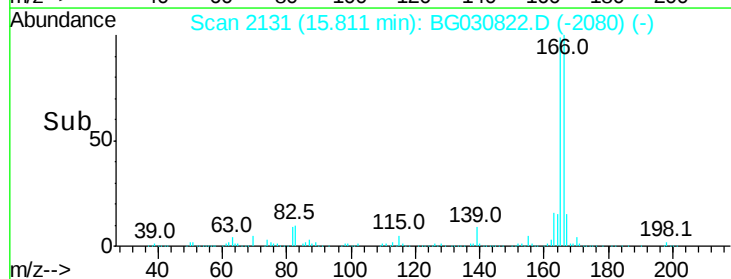
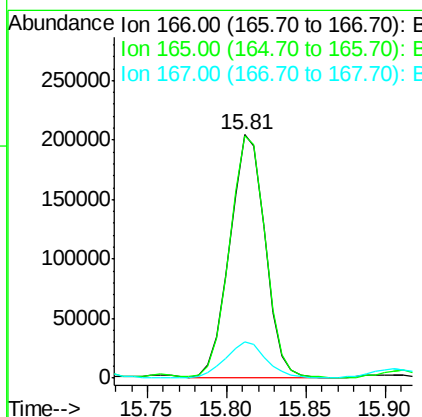
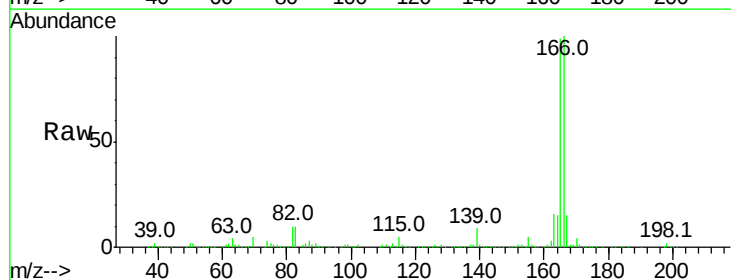
Instrument :
BNA_G
ClientSampleId :

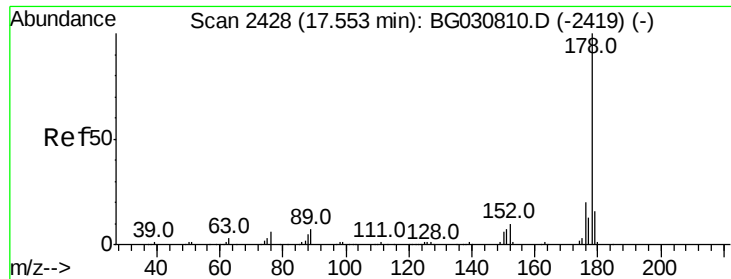
Tot Ion:168 Resp: 344133
Ion Ratio Lower Upper
168 100
139 34.0 31.4 47.2



#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

Tgt Ion:166 Resp: 314530
Ion Ratio Lower Upper
166 100
165 99.4 79.9 119.9
167 14.8 10.6 16.0





#69

Phenanthrene

Concen: 31.867 ng/ul

RT: 17.64 min Scan# 2443

Delta R.T. 0.09 min

Lab File: BG030822.D

Acq: 8 Nov 2017 00:10

Instrument :

BNA_G

ClientSampleId :

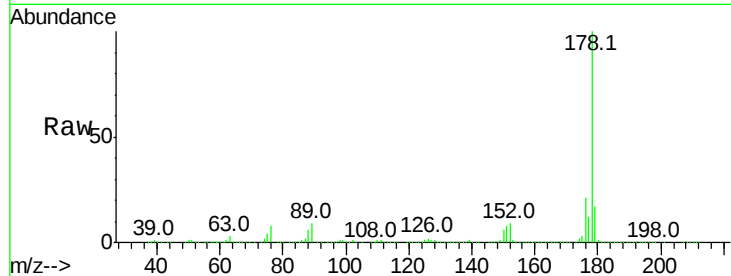
Tot Ion:178 Resp: 959011

Ion Ratio Lower Upper

178 100

179 16.7 13.0 19.6

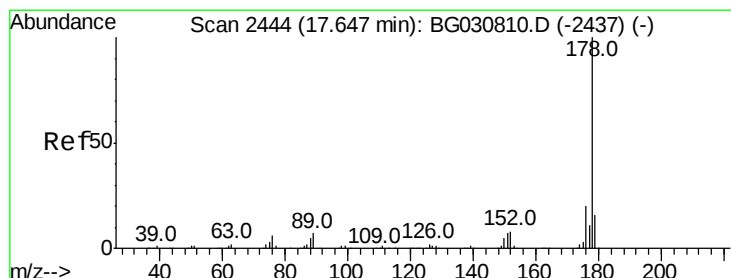
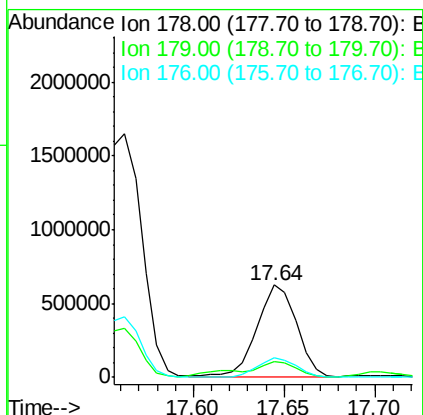
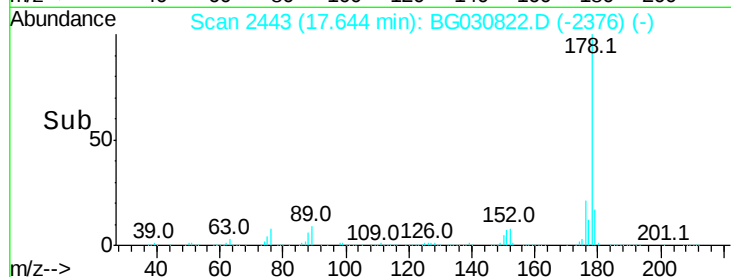
176 20.8 15.3 22.9



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: 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

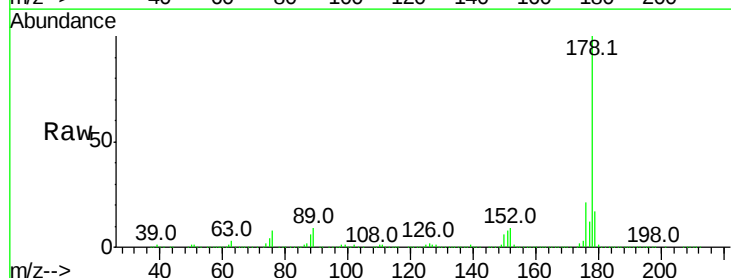
Tgt Ion:178 Resp: 959011

Ion Ratio Lower Upper

178 100

179 16.7 13.2 19.8

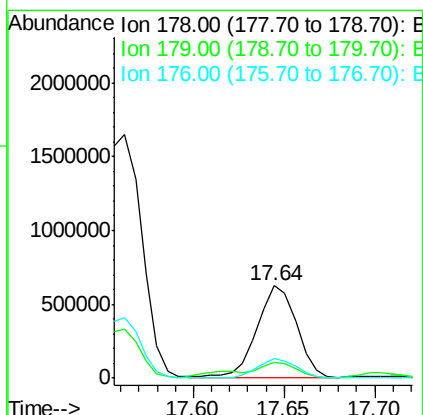
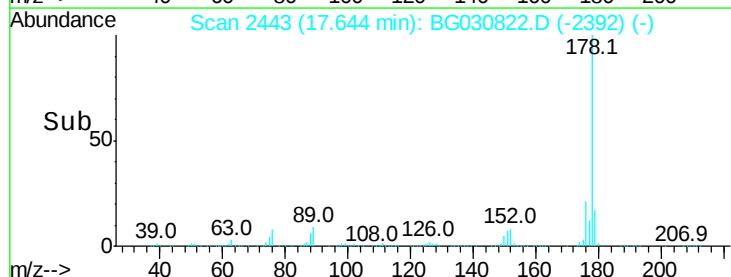
176 20.8 16.0 24.0

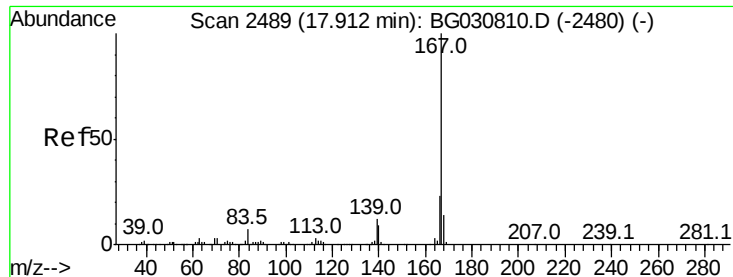


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 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

Instrument :

BNA_G

ClientSampleId :

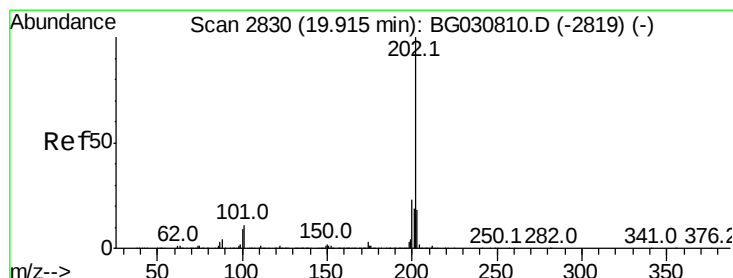
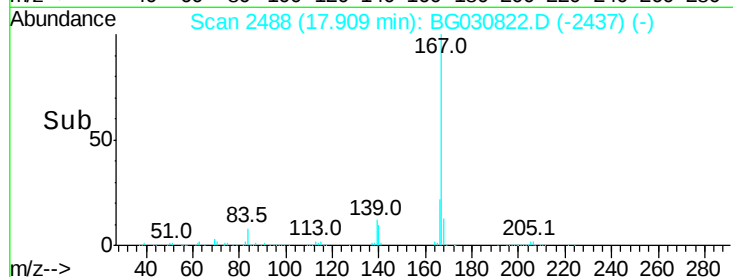
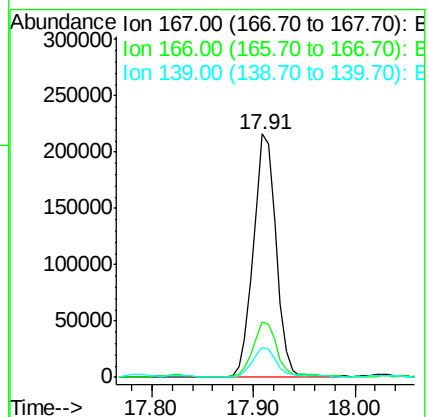
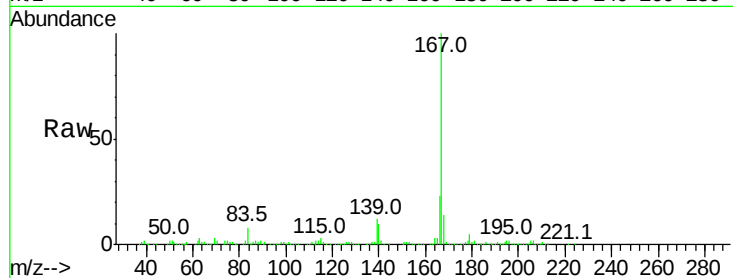
Tot Ion:167 Resp: 333861

Ion Ratio Lower Upper

167 100

166 22.6 18.6 28.0

139 12.3 10.6 16.0



#77

Pyrene

Concen: 62.220 ng/ul

RT: 19.92 min Scan# 2830

Delta R.T. 0.00 min

Lab File: BG030822.D

Acq: 8 Nov 2017 00:10

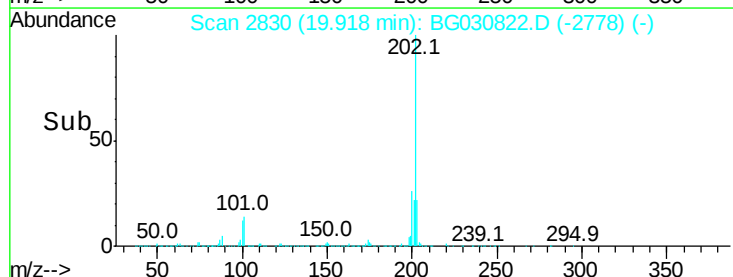
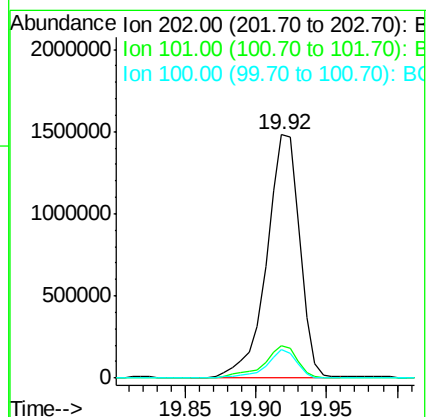
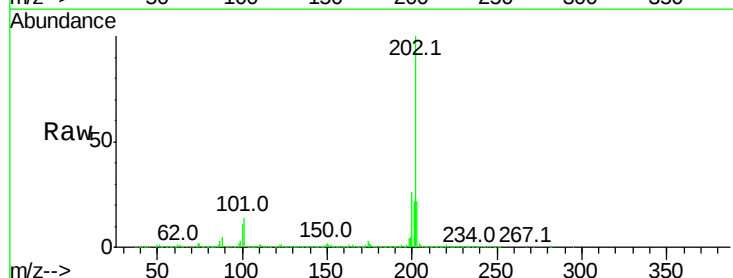
Tgt Ion:202 Resp: 2423188

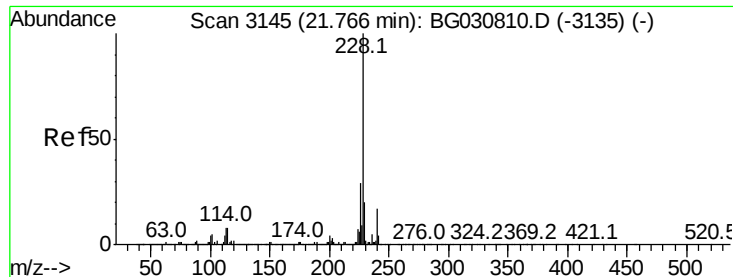
Ion Ratio Lower Upper

202 100

101 13.5 8.4 12.6#

100 11.5 7.0 10.6#





#80

Benzo(a)anthracene

Concen: 46.626 ng/ul

RT: 21.77 min Scan# 3145

Delta R.T. 0.00 min

Lab File: BG030822.D

Acq: 8 Nov 2017 00:10

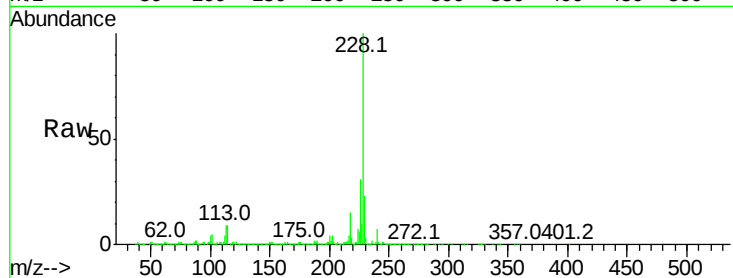
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 1697994

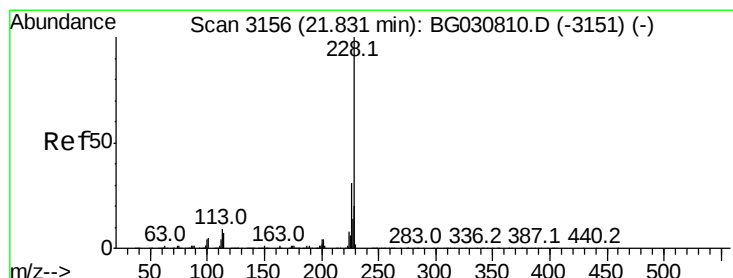
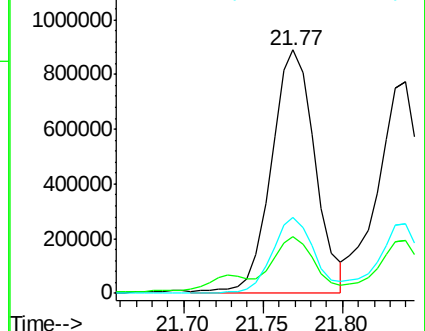
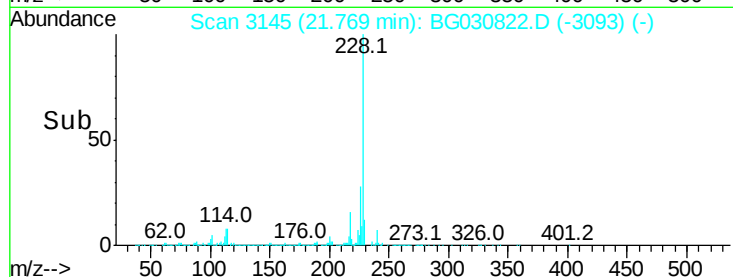
Ion	Ratio	Lower	Upper
228	100		
229	23.1	16.2	24.4
226	31.0	22.2	33.2



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

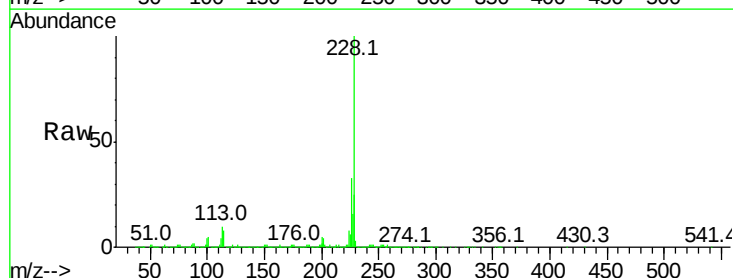
Delta R.T. 0.01 min

Lab File: BG030822.D

Acq: 8 Nov 2017 00:10

Tgt Ion:228 Resp: 1421009

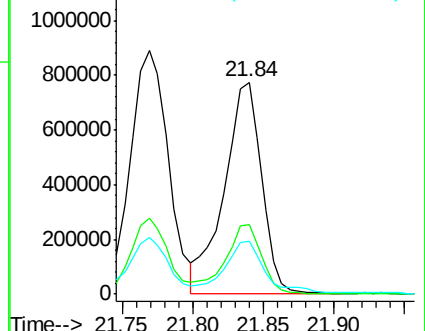
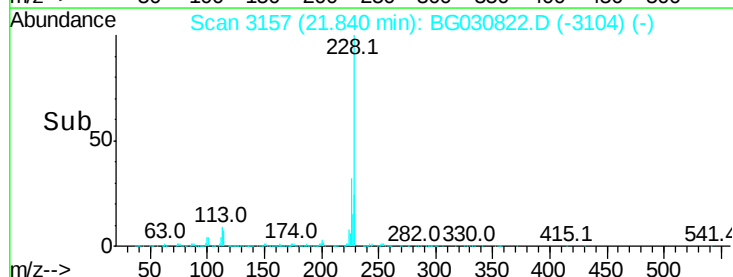
Ion	Ratio	Lower	Upper
228	100		
226	32.7	24.2	36.2
229	24.7	15.2	22.8#

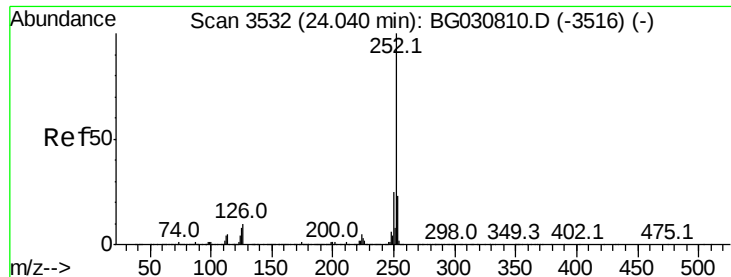


Abundance Ion 228.00 (227.70 to 228.70): E

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. 0.01 min

Lab File: BG030822.D

Acq: 8 Nov 2017 00:10

Instrument :

BNA_G

ClientSampleId :

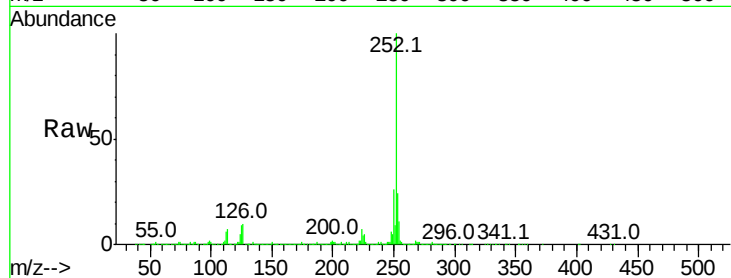
Tot Ion:252 Resp: 1519069

Ion Ratio Lower Upper

252 100

253 24.0 17.0 25.4

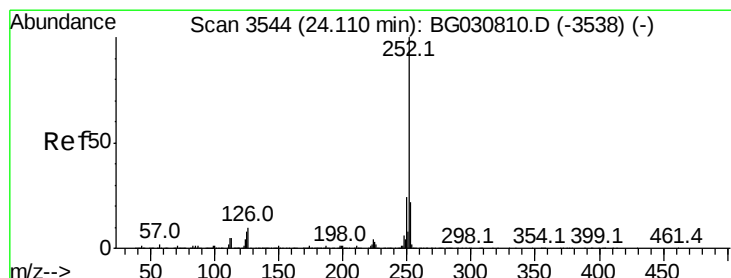
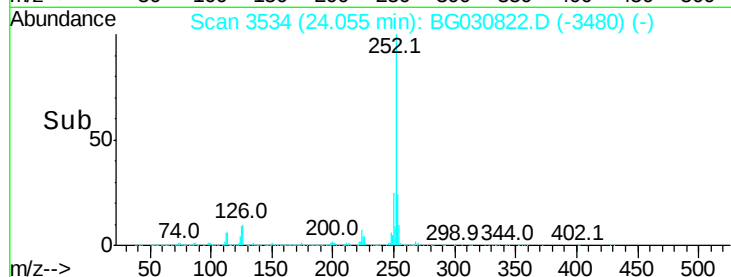
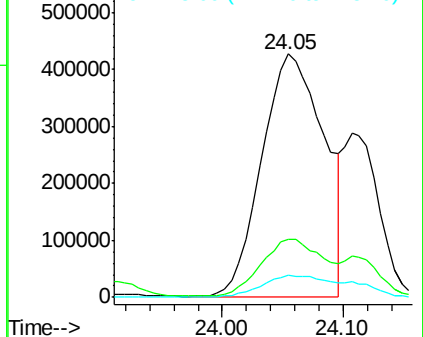
125 9.1 7.5 11.3



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#86

Benzo(k)fluoranthene

Concen: 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

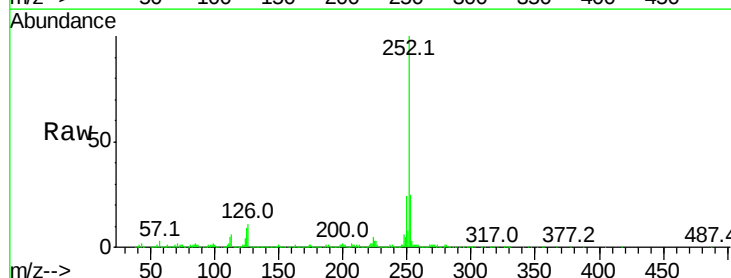
Tgt Ion:252 Resp: 569392

Ion Ratio Lower Upper

252 100

253 24.9 17.2 25.8

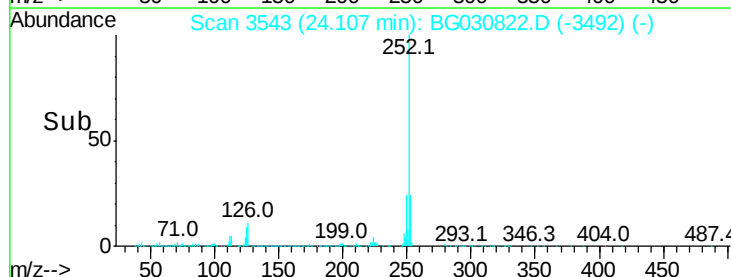
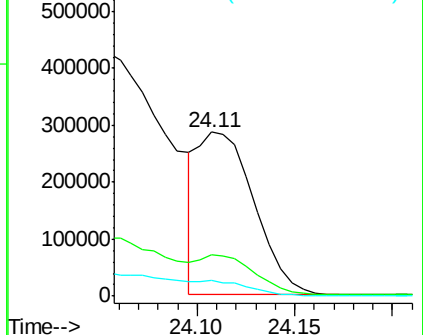
125 9.4 7.8 11.8

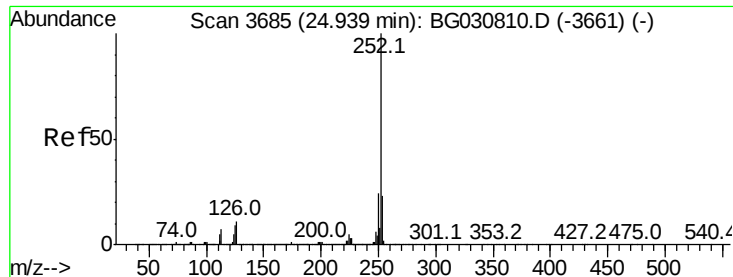


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 31.556 ng/ul

RT: 24.95 min Scan# 3686

Delta R.T. 0.01 min

Lab File: BG030822.D

Acq: 8 Nov 2017 00:10

Instrument :

BNA_G

ClientSampleId :

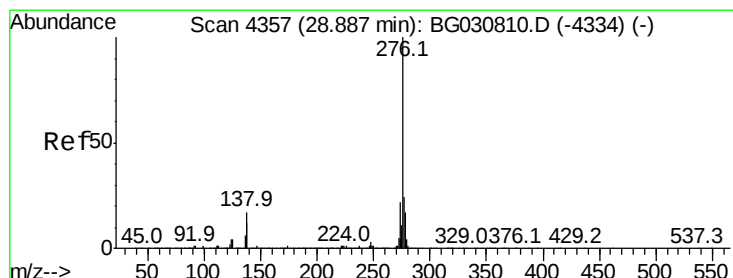
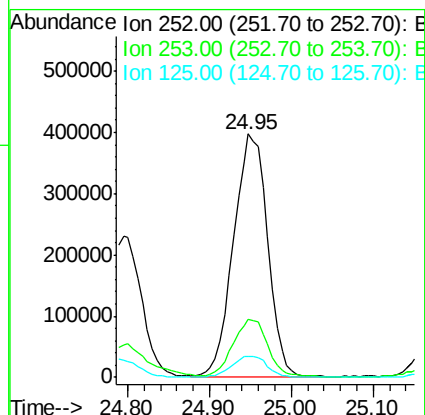
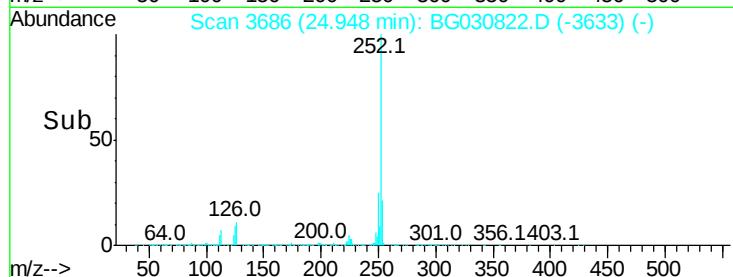
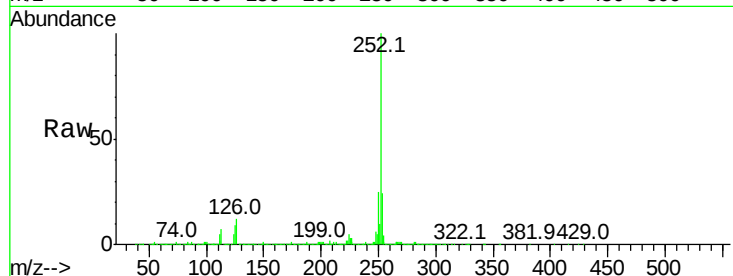
Tot Ion:252 Resp: 1147752

Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

125 8.8 7.8 11.8



#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

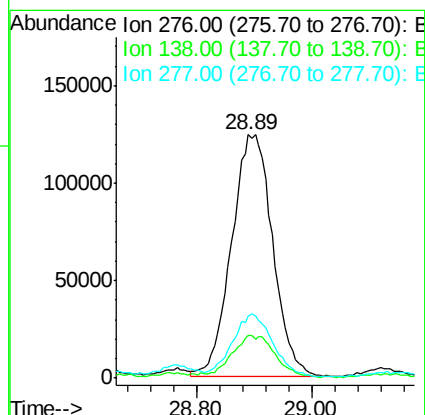
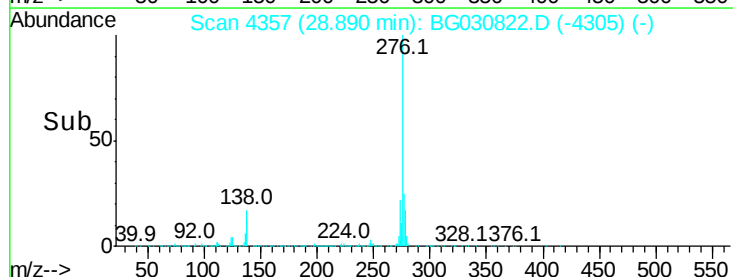
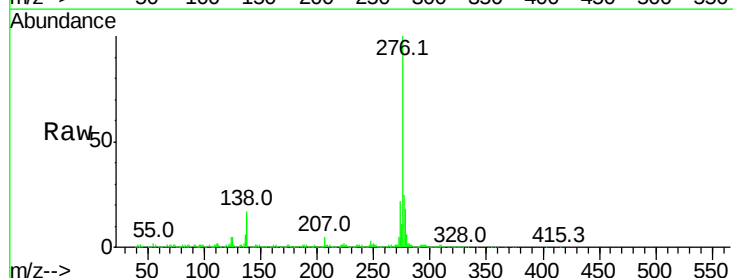
Tgt Ion:276 Resp: 614709

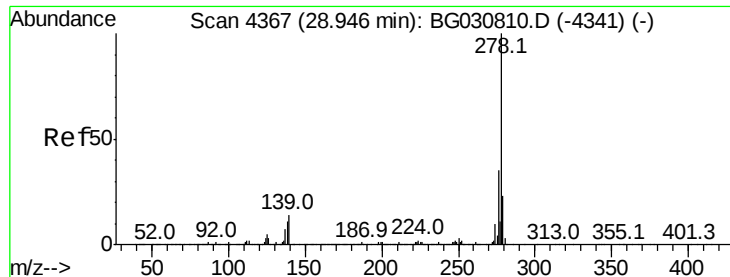
Ion Ratio Lower Upper

276 100

138 17.3 13.4 20.0

277 25.5 18.6 28.0





#90

Dibenzo(a,h)anthracene

Concen: 1.264 ng/ul

RT: 28.76 min Scan# 4335

Delta R.T. -0.18 min

Lab File: BG030822.D

Acq: 8 Nov 2017 00:10

Instrument :

BNA_G

ClientSampled :

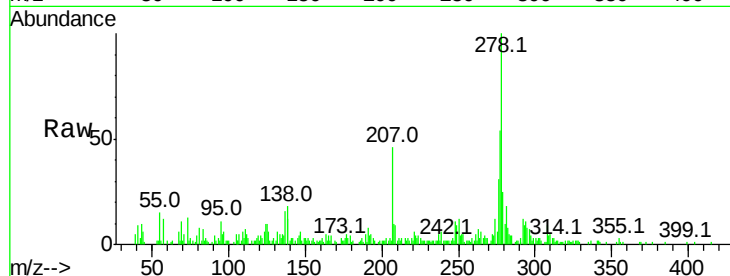
Tot Ion:278 Resp: 43204

Ion Ratio Lower Upper

278 100

139 11.5 9.4 14.2

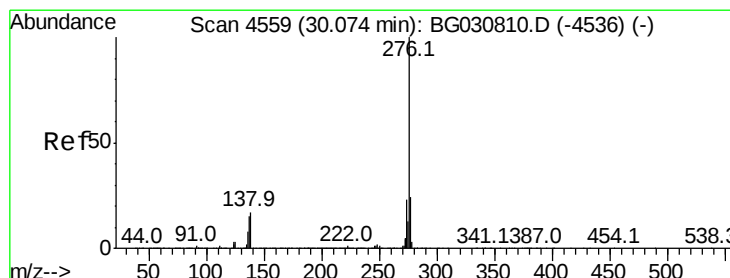
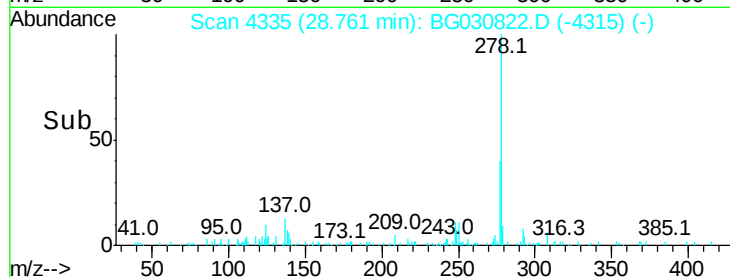
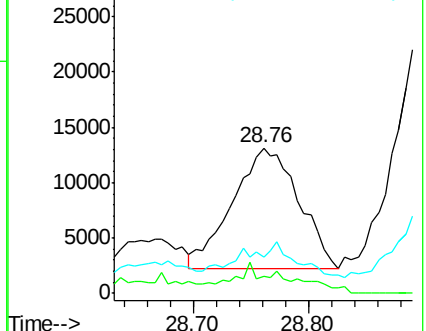
279 25.4 18.4 27.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 13.435 ng/ul

RT: 30.08 min Scan# 4560

Delta R.T. 0.01 min

Lab File: BG030822.D

Acq: 8 Nov 2017 00:10

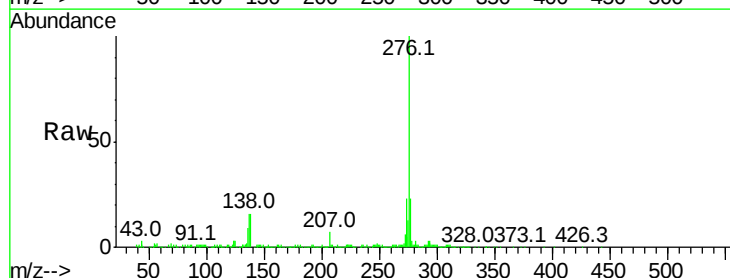
Tgt Ion:276 Resp: 458271

Ion Ratio Lower Upper

276 100

138 16.0 12.1 18.1

277 23.3 17.7 26.5



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

