

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081517\
 Data File : BG028357.D
 Acq On : 15 Aug 2017 23:59
 Operator : SJ/JU
 Sample : I4672-19
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AG7

Quant Time: Aug 16 04:08:23 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 16 04:06:35 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	46524	20.00	ng/ul	0.00
18) Naphthalene-d8	11.18	136	211233	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.96	164	146323	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.71	188	338137	20.00	ng/ul	0.00
75) Chrysene-d12	22.05	240	376795	20.00	ng/ul	0.00
83) Perylene-d12	25.56	264	362145	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.84	96	4489	4.49	ng/uL	0.00
5) Phenol-d5	7.51	99	124049	24.28	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.67	67	76828	23.74	ng/ul	0.00
9) 2-Chlorophenol-d4	7.90	132	85591	26.55	ng/ul	0.00
13) 4-Methylphenol-d8	9.05	113	91866	21.51	ng/ul	0.00
19) Nitrobenzene-d5	9.53	128	49016	29.68	ng/ul	0.00
22) 2-Nitrophenol-d4	10.25	143	56113	30.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.80	165	106479	28.42	ng/ul	0.00
29) 4-Chloroaniline-d4	11.31	131	95407	22.88	ng/ul	0.00
43) Dimethylphthalate-d6	14.35	166	368985	28.35	ng/ul	0.00
46) Acenaphthylene-d8	14.66	160	429116	29.25	ng/ul	0.00
51) 4-Nitrophenol-d4	15.17	143	41588	20.10	ng/ul	0.00
57) Fluorene-d10	15.95	176	319161	27.34	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.07	200	54867	24.98	ng/ul	0.00
70) Anthracene-d10	17.81	188	484448	29.88	ng/ul	0.00
76) Pyrene-d10	20.09	212	582109	30.13	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.32	264	528793	31.19	ng/ul	0.00

Target Compounds

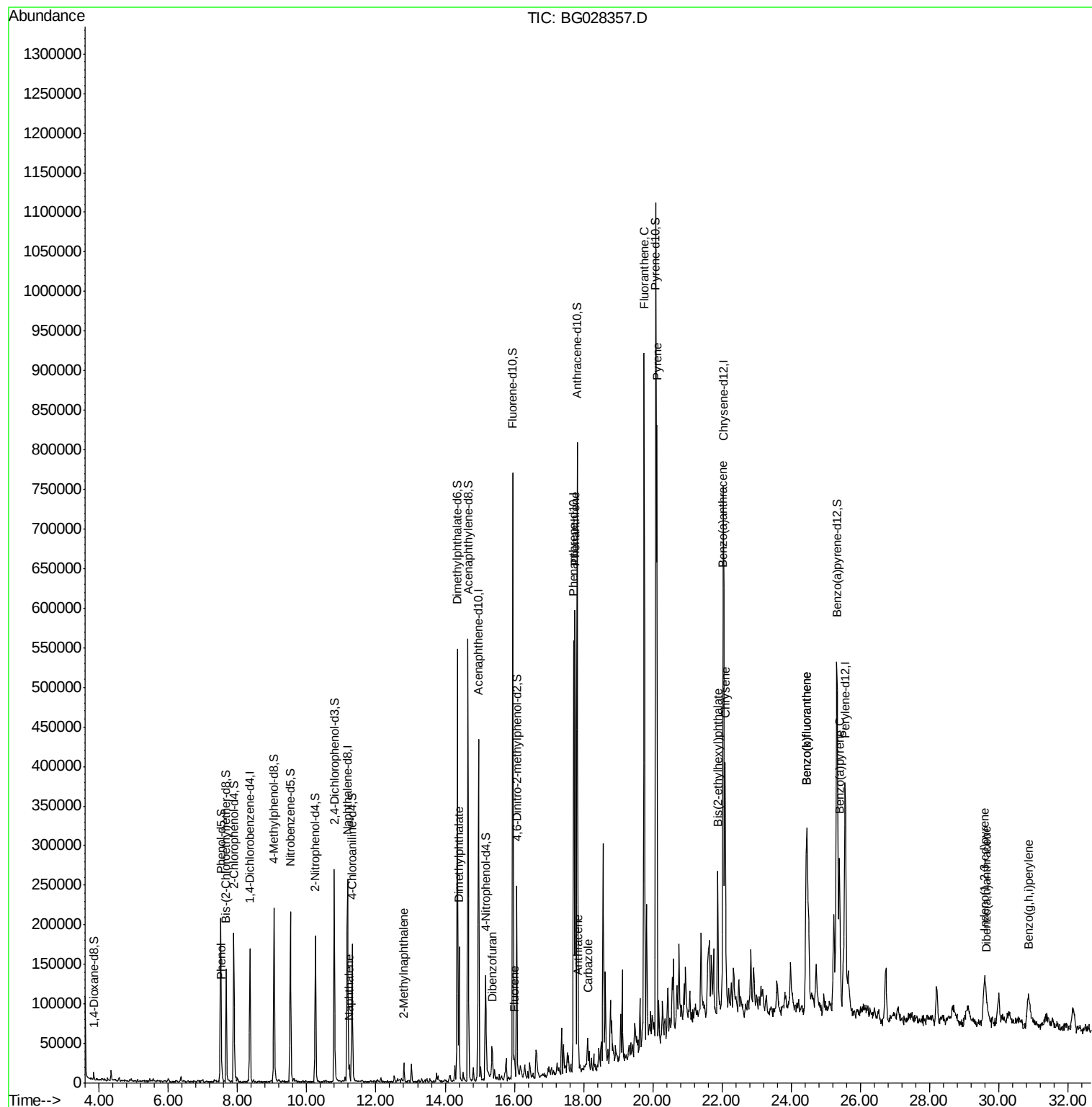
					Ovalue	
6) Phenol	7.54	94	6016	1.185	ng/ul#	78
28) Naphthalene	11.23	128	13811	1.320	ng/ul#	94
34) 2-Methylnaphthalene	12.81	142	11074	1.318	ng/ul	94
44) Dimethylphthalate	14.40	163	104835	8.749	ng/ul	99
53) Dibenzofuran	15.36	168	16118	1.168	ng/ul	90
58) Fluorene	16.01	166	12665	1.037	ng/ul	98
69) Phenanthrene	17.75	178	367823	21.615	ng/ul	99
71) Anthracene	17.85	178	36414	2.094	ng/ul	96
72) Carbazole	18.12	167	27328	1.807	ng/ul	96
74) Fluoranthene	19.75	202	571721	27.645	ng/ul	100
77) Pyrene	20.12	202	487779	21.698	ng/ul	99
80) Benzo(a)anthracene	22.03	228	223998	10.289	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.88	149	70135	5.856	ng/ul	98
82) Chrysene	22.10	228	254492	12.980	ng/ul	100
85) Benzo(b)fluoranthene	24.44	252	322461	14.880	ng/ul#	96
86) Benzo(k)fluoranthene	24.44	252	322461	15.233	ng/ul#	97
88) Benzo(a)pyrene	25.40	252	222576	10.608	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.60	276	143279	5.831	ng/ul#	97
90) Dibenzo(a,h)anthracene	29.65	278	22295	1.083	ng/ul#	88
91) Benzo(g,h,i)perylene	30.86	276	115985	5.738	ng/ul#	93

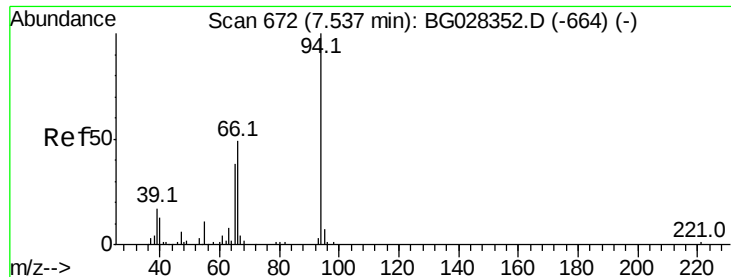
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081517\
Data File : BG028357.D
Acq On : 15 Aug 2017 23:59
Operator : SJ/JU
Sample : I4672-19
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AG7

Quant Time: Aug 16 04:08:23 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 16 04:06:35 2017
Response via : Initial Calibration





#6

Phenol

Concen: 1.185 ng/ul

RT: 7.54 min Scan# 672

Delta R.T. -0.00 min

Lab File: BG028357.D

Acq: 15 Aug 2017 23:59

Instrument :

BNA_G

ClientSampleId :

C0AG7

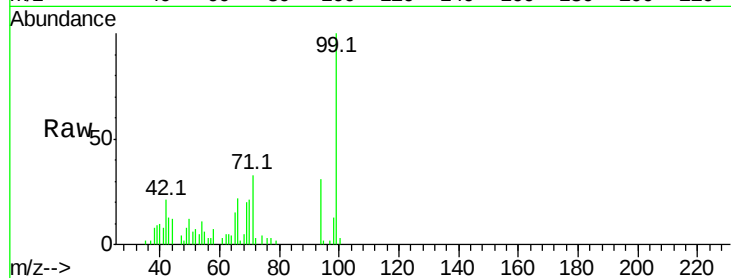
Tot Ion: 94 Resp: 6016

Ion Ratio Lower Upper

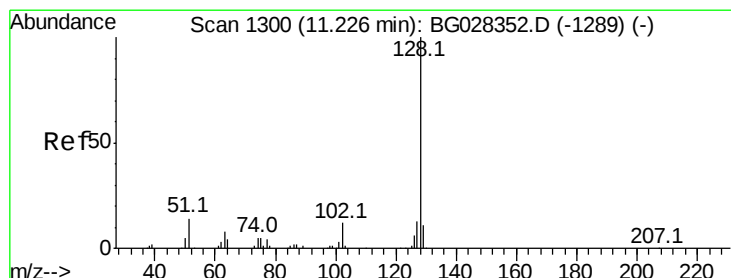
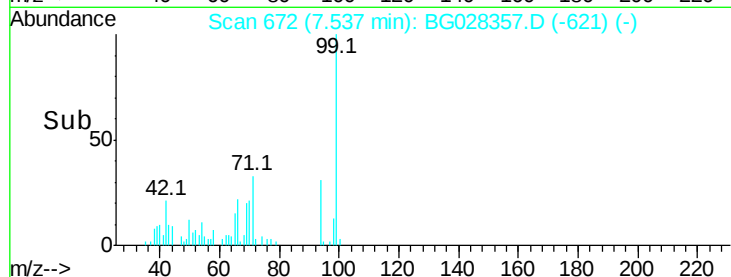
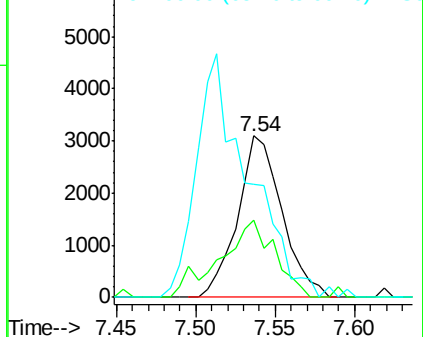
94 100

65 47.8 26.8 40.2#

66 69.8 44.4 66.6#



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: 1.320 ng/ul

RT: 11.23 min Scan# 1301

Delta R.T. 0.01 min

Lab File: BG028357.D

Acq: 15 Aug 2017 23:59

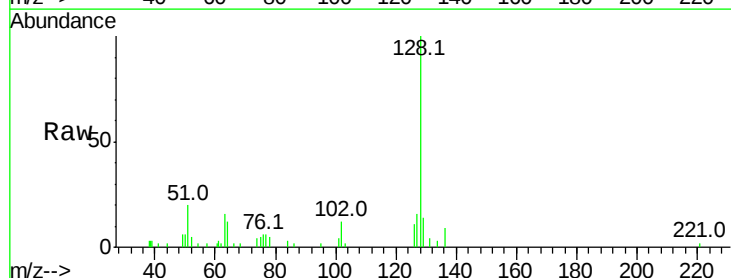
Tgt Ion: 128 Resp: 13811

Ion Ratio Lower Upper

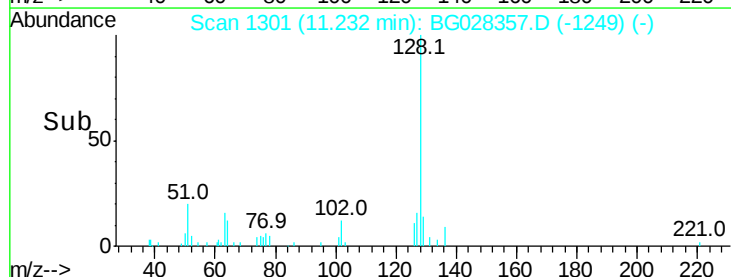
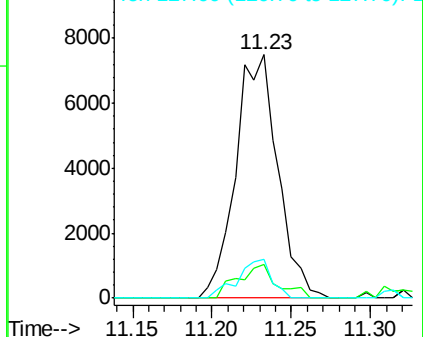
128 100

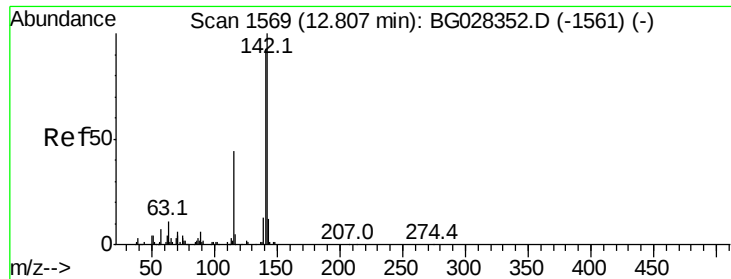
129 13.7 9.4 14.2

127 16.0 10.3 15.5#



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

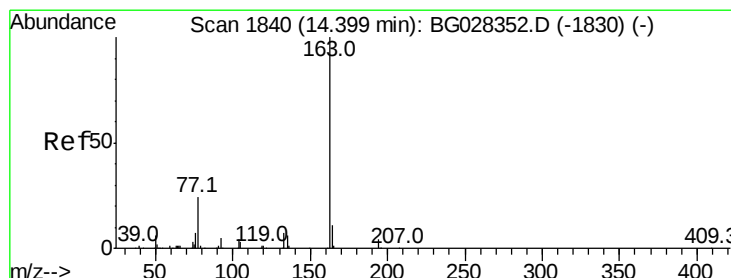
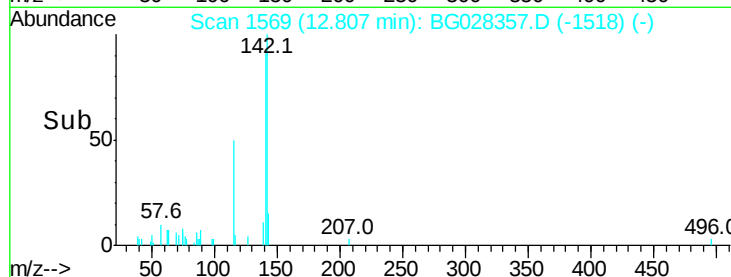
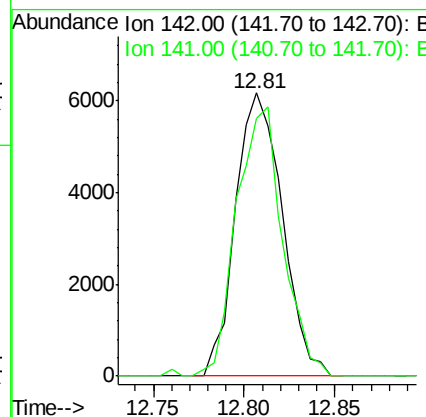
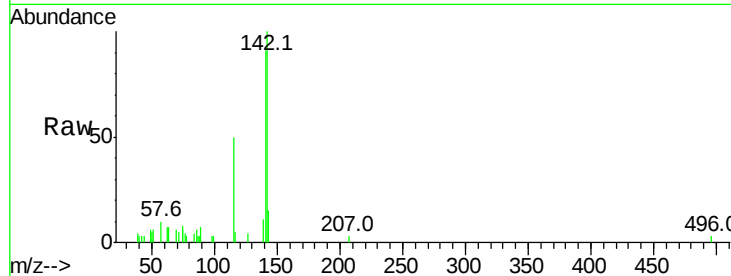




#34
 2-Methylnaphthalene
 Concen: 1.318 ng/ul
 RT: 12.81 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: BG028357.D
 Acq: 15 Aug 2017 23:59

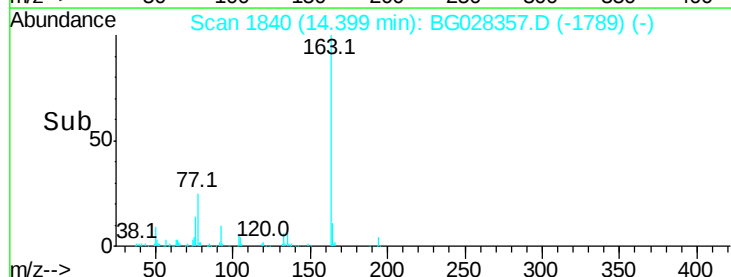
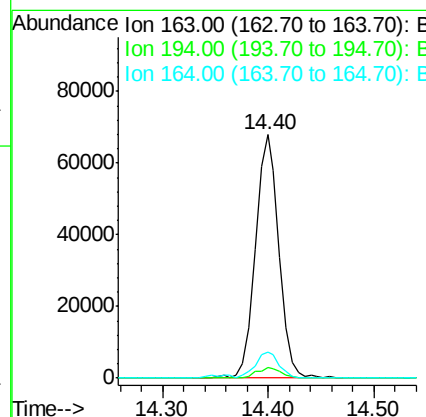
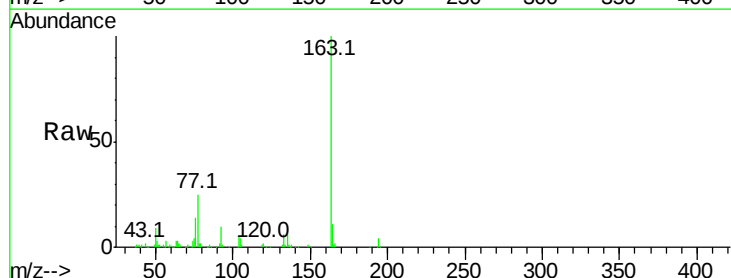
Instrument :
 BNA_G
 ClientSampleId :
 C0AG7

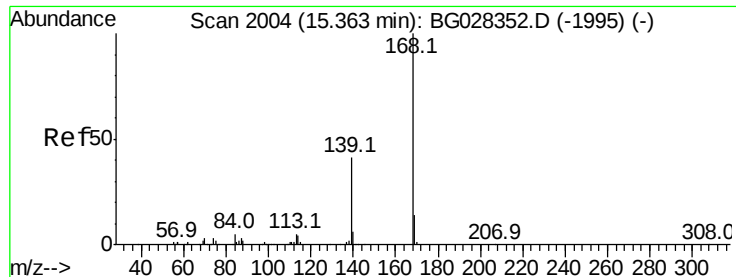
Tot Ion:142 Resp: 11074
 Ion Ratio Lower Upper
 142 100
 141 90.9 68.6 102.8



#44
 Dimethylphthalate
 Concen: 8.749 ng/ul
 RT: 14.40 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BG028357.D
 Acq: 15 Aug 2017 23:59

Tgt Ion:163 Resp: 104835
 Ion Ratio Lower Upper
 163 100
 194 4.1 3.4 5.0
 164 10.8 9.0 13.4





#53

Dibenzenofuran

Concen: 1.168 ng/ul

RT: 15.36 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BG028357.D

Acq: 15 Aug 2017 23:59

Instrument :

BNA_G

ClientSampleId :

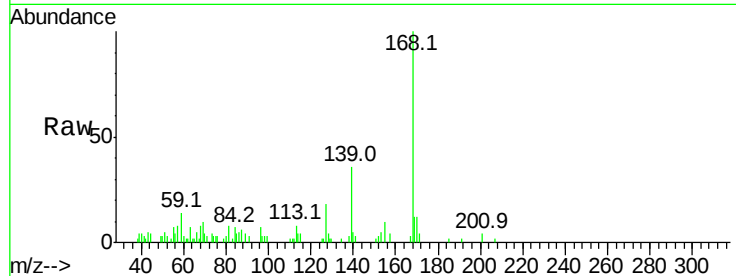
C0AG7

Tot Ion:168 Resp: 16118

Ion Ratio Lower Upper

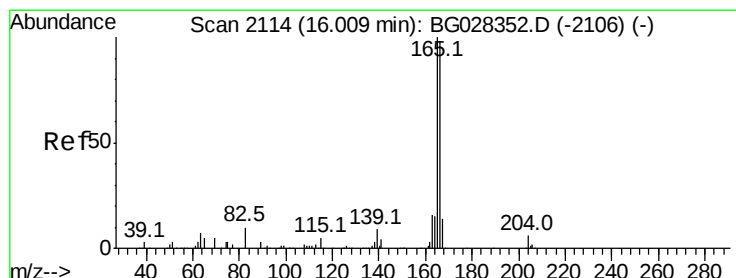
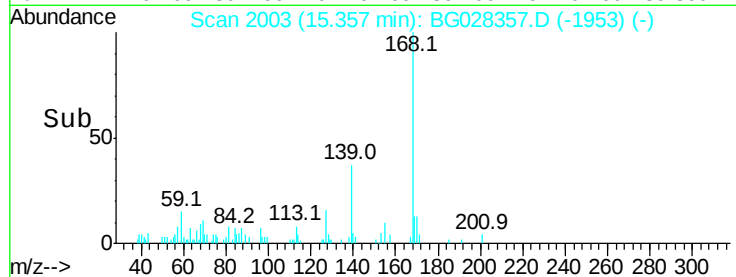
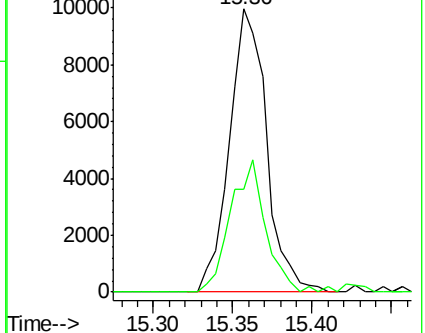
168 100

139 36.1 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 1.037 ng/ul

RT: 16.01 min Scan# 2114

Delta R.T. 0.00 min

Lab File: BG028357.D

Acq: 15 Aug 2017 23:59

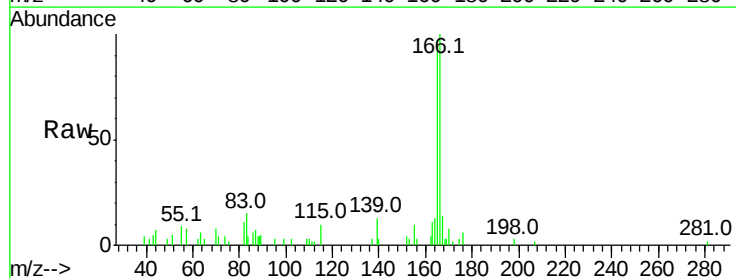
Tgt Ion:166 Resp: 12665

Ion Ratio Lower Upper

166 100

165 97.2 79.7 119.5

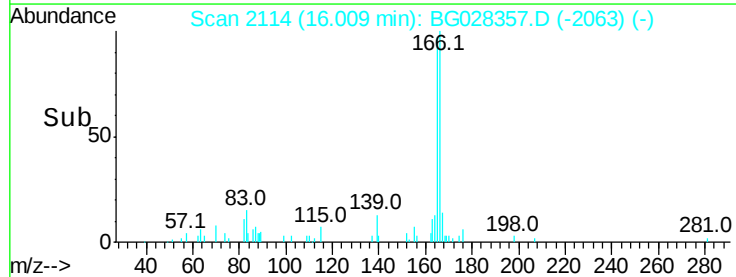
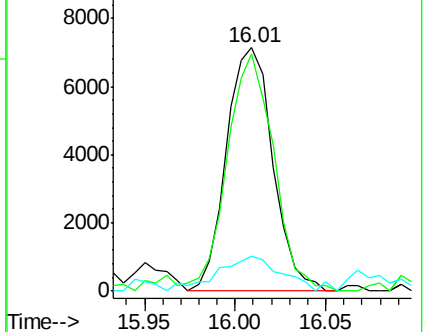
167 14.3 11.4 17.2

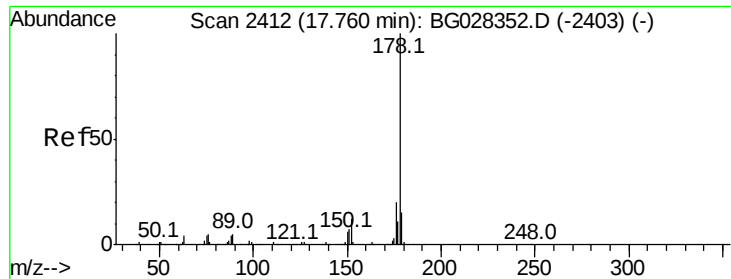


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 21.615 ng/ul

RT: 17.75 min Scan# 2411

Delta R.T. -0.01 min

Lab File: BG028357.D

Acq: 15 Aug 2017 23:59

Instrument :

BNA_G

ClientSampleId :

C0AG7

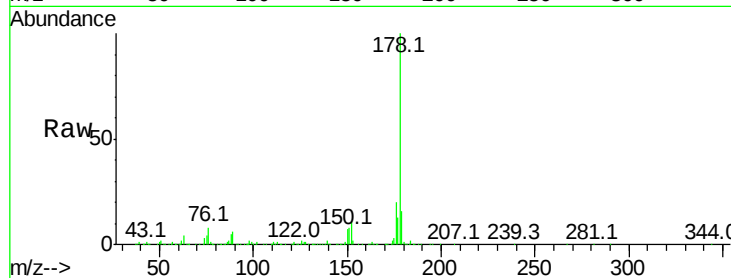
Tot Ion:178 Resp: 367823

Ion Ratio Lower Upper

178 100

179 15.9 12.4 18.6

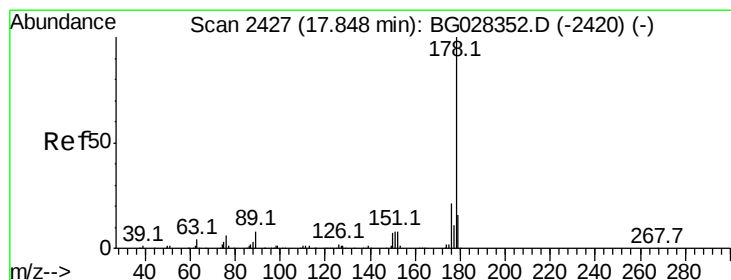
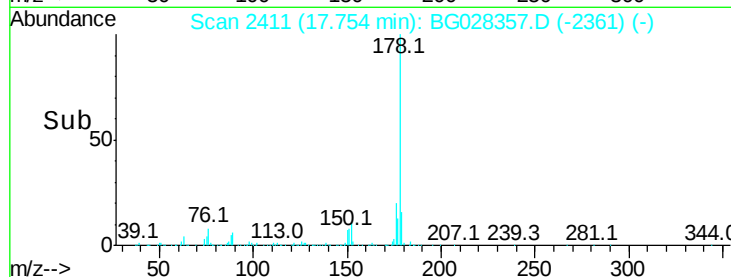
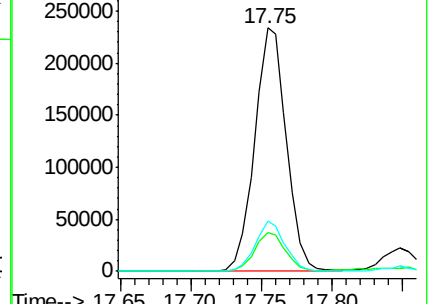
176 20.5 16.5 24.7



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: 2.094 ng/ul

RT: 17.85 min Scan# 2427

Delta R.T. 0.00 min

Lab File: BG028357.D

Acq: 15 Aug 2017 23:59

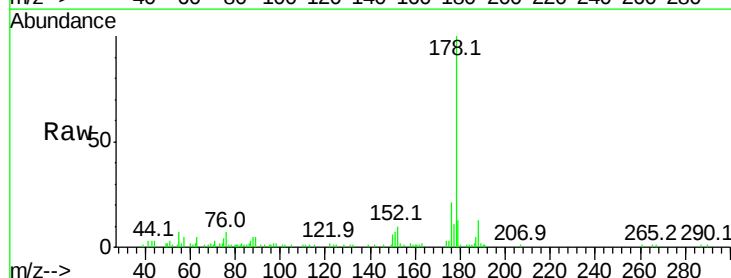
Tgt Ion:178 Resp: 36414

Ion Ratio Lower Upper

178 100

179 13.2 12.6 19.0

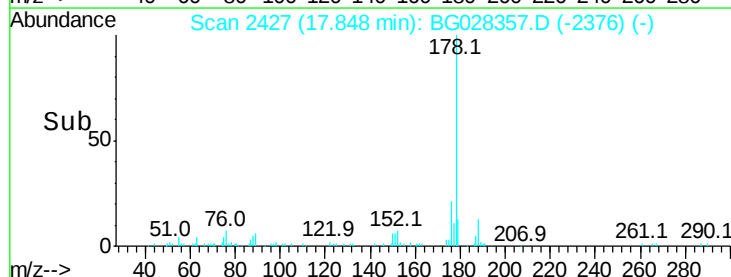
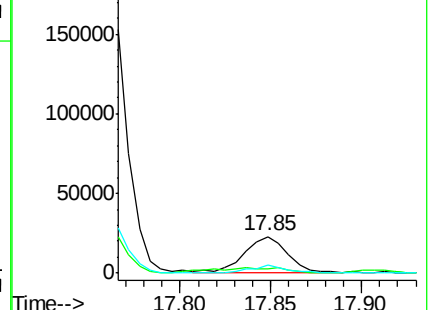
176 21.0 15.9 23.9

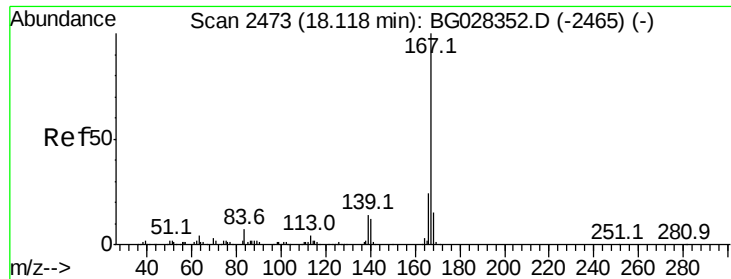


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.807 ng/ul

RT: 18.12 min Scan# 2473

Delta R.T. 0.00 min

Lab File: BG028357.D

Acq: 15 Aug 2017 23:59

Instrument :

BNA_G

ClientSampleId :

C0AG7

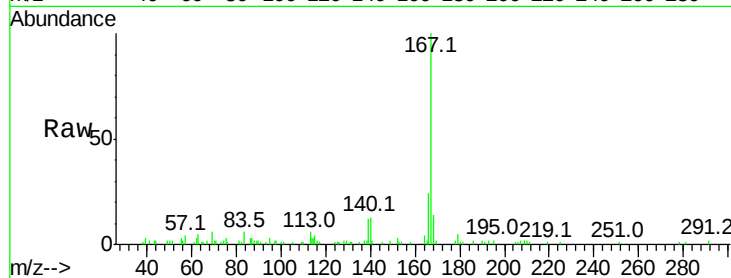
Tot Ion:167 Resp: 27328

Ion Ratio Lower Upper

167 100

166 24.1 17.9 26.9

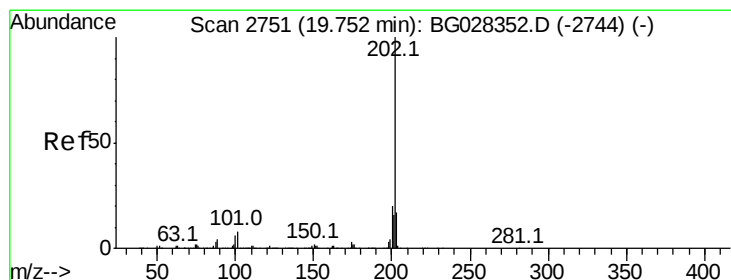
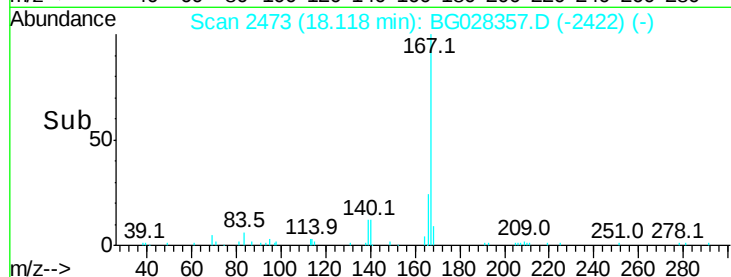
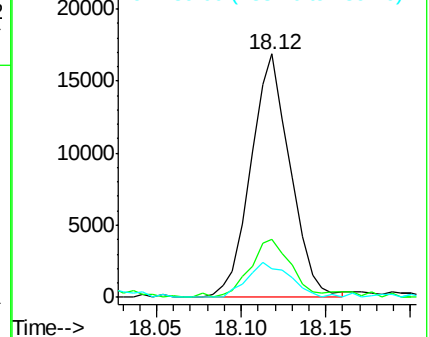
139 11.6 10.5 15.7



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: 27.645 ng/ul

RT: 19.75 min Scan# 2751

Delta R.T. 0.00 min

Lab File: BG028357.D

Acq: 15 Aug 2017 23:59

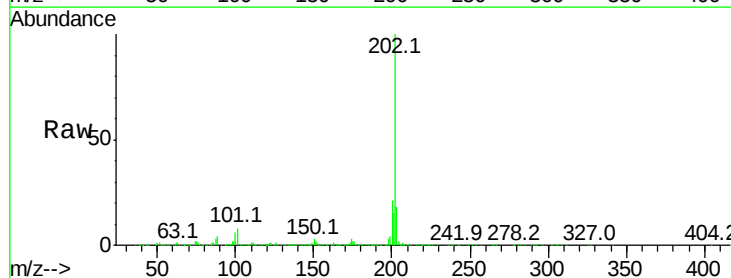
Tgt Ion:202 Resp: 571721

Ion Ratio Lower Upper

202 100

101 7.7 6.2 9.2

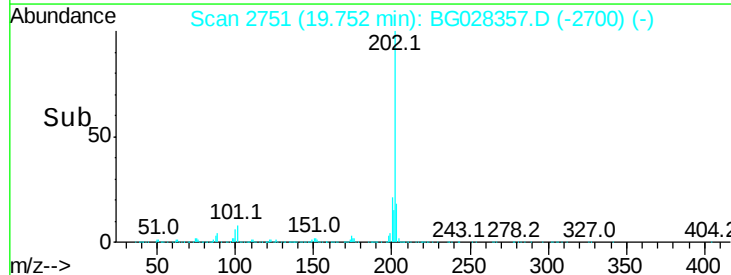
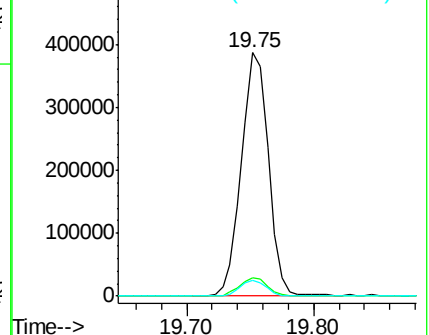
100 6.2 5.2 7.8

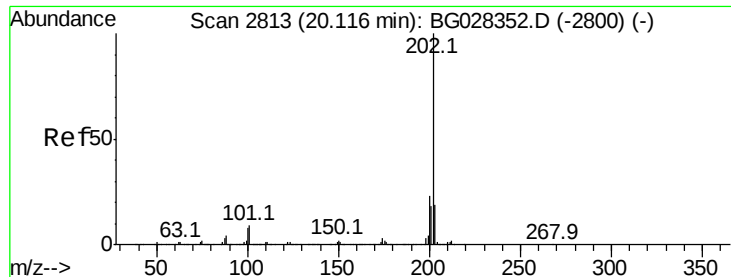


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 21.698 ng/ul

RT: 20.12 min Scan# 2813

Delta R.T. 0.00 min

Lab File: BG028357.D

Acq: 15 Aug 2017 23:59

Instrument :

BNA_G

ClientSampleId :

C0AG7

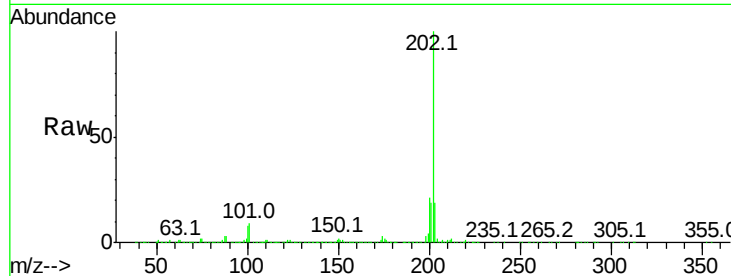
Tot Ion:202 Resp: 487779

Ion Ratio Lower Upper

202 100

101 8.9 6.9 10.3

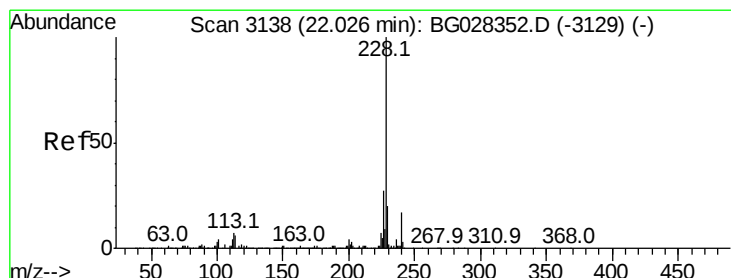
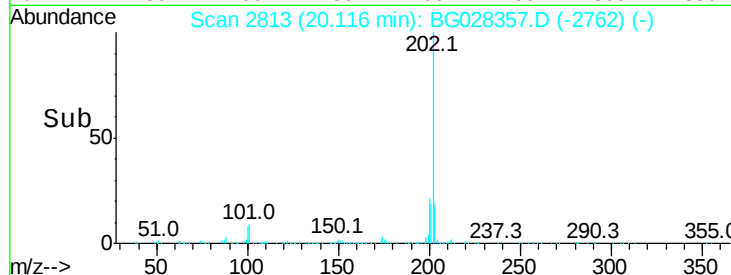
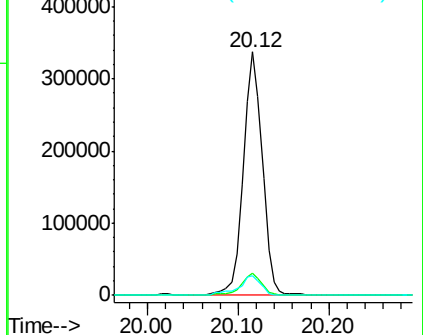
100 8.2 6.6 10.0



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): E



#80

Benzo(a)anthracene

Concen: 10.289 ng/ul

RT: 22.03 min Scan# 3138

Delta R.T. 0.00 min

Lab File: BG028357.D

Acq: 15 Aug 2017 23:59

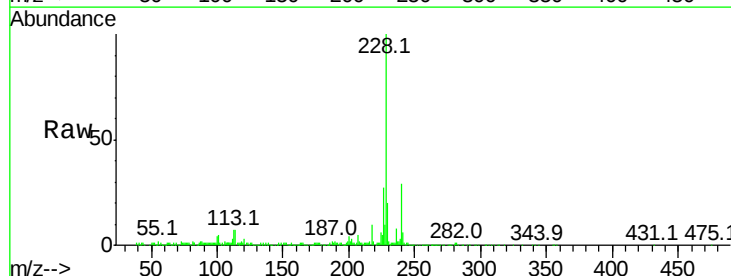
Tgt Ion:228 Resp: 223998

Ion Ratio Lower Upper

228 100

229 19.6 16.3 24.5

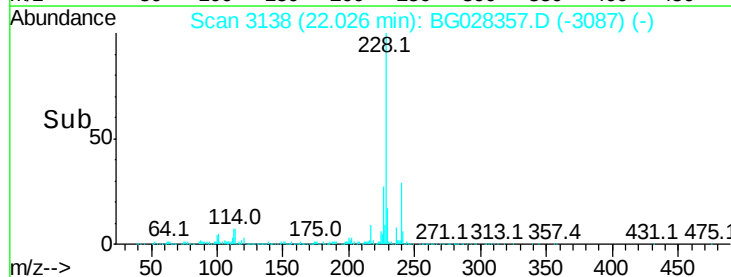
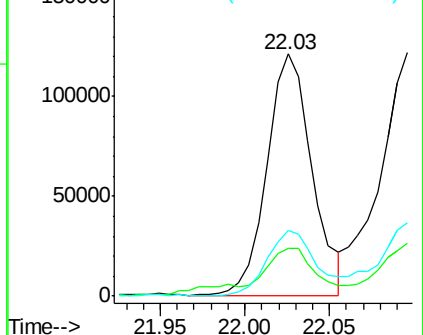
226 27.3 21.9 32.9

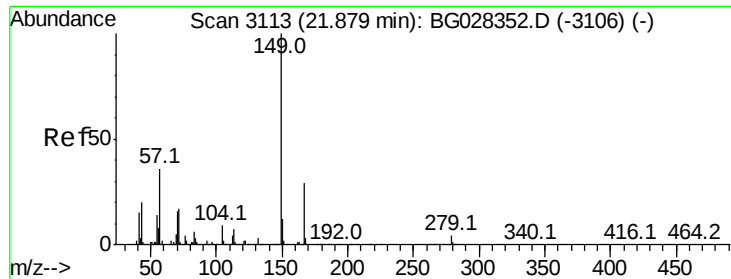


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 5.856 ng/ul

RT: 21.88 min Scan# 3113

Delta R.T. -0.00 min

Lab File: BG028357.D

Acq: 15 Aug 2017 23:59

Instrument :

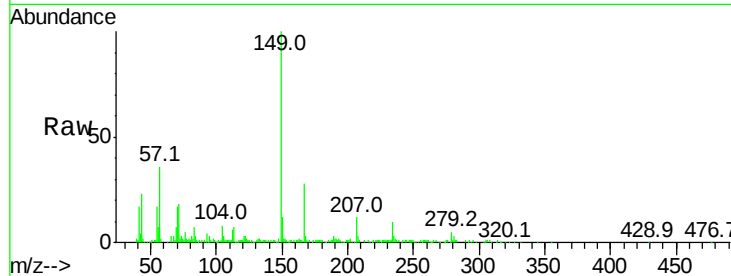
BNA_G

ClientSampleId :

C0AG7

Tot Ion:149 Resp: 70135

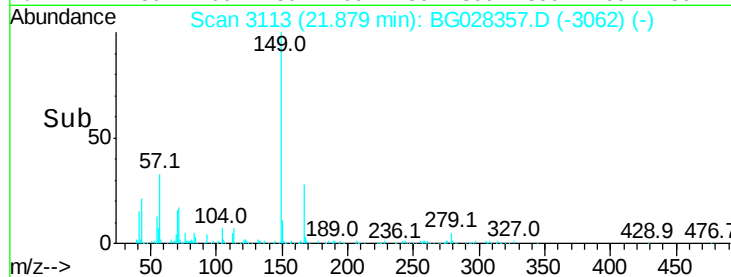
Ion	Ratio	Lower	Upper
149	100		
167	28.1	21.8	32.8
279	5.1	4.5	6.7



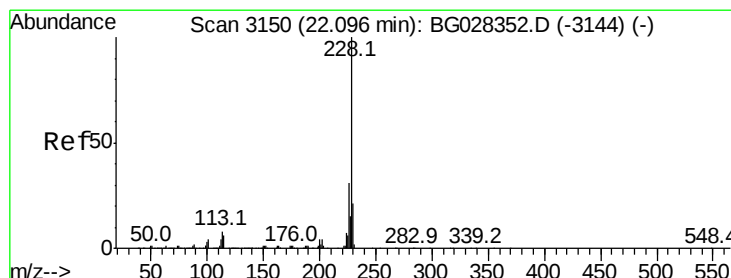
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#82

Chrysene

Concen: 12.980 ng/ul

RT: 22.10 min Scan# 3150

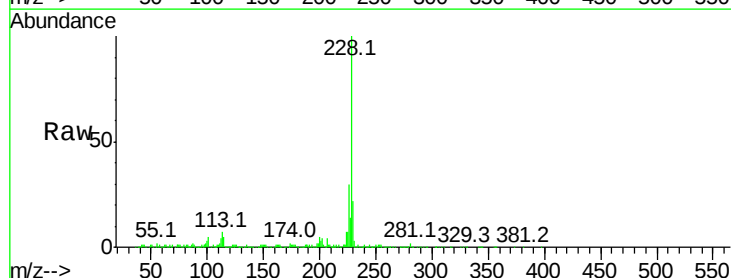
Delta R.T. 0.00 min

Lab File: BG028357.D

Acq: 15 Aug 2017 23:59

Tgt Ion:228 Resp: 254492

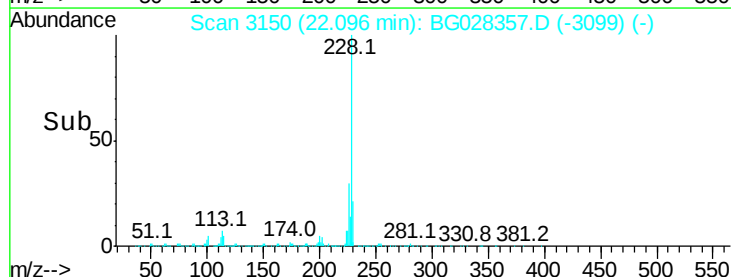
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	21.5	16.9	25.3



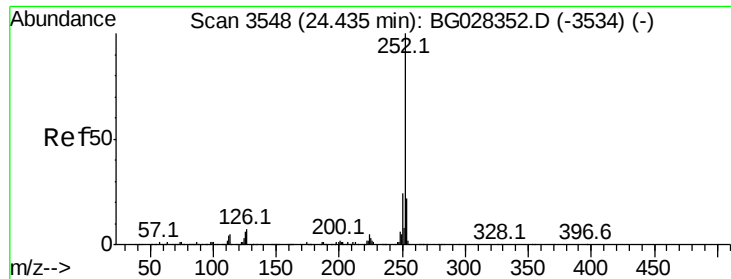
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Benzo(b)fluoranthene

Concen: 14.880 ng/ul

RT: 24.44 min Scan# 3549

Delta R.T. 0.01 min

Lab File: BG028357.D

Acq: 15 Aug 2017 23:59

Instrument :

BNA_G

ClientSampleId :

C0AG7

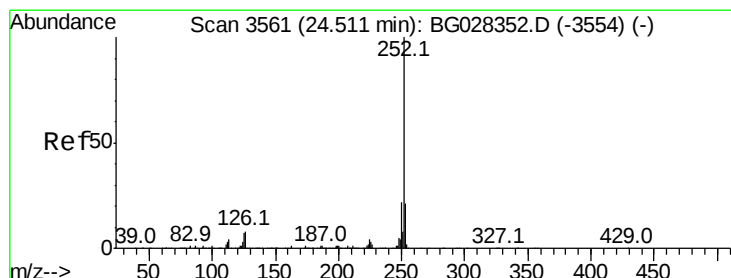
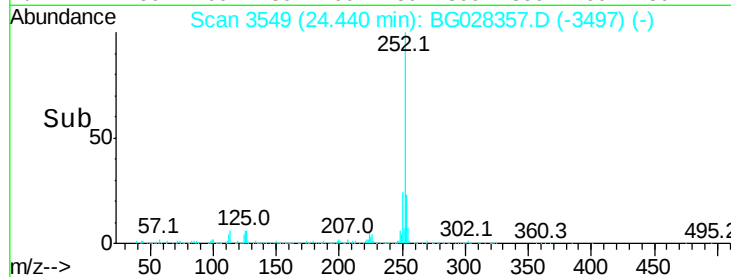
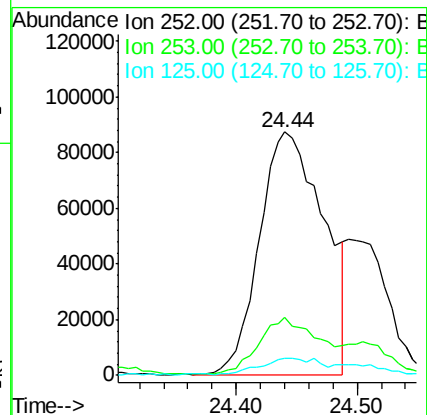
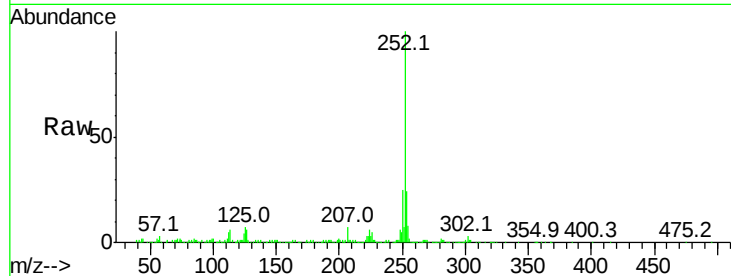
Tot Ion:252 Resp: 322461

Ion Ratio Lower Upper

252 100

253 24.1 17.7 26.5

125 6.9 4.0 6.0#



#86

Benzo(k)fluoranthene

Concen: 15.233 ng/ul

RT: 24.44 min Scan# 3549

Delta R.T. -0.07 min

Lab File: BG028357.D

Acq: 15 Aug 2017 23:59

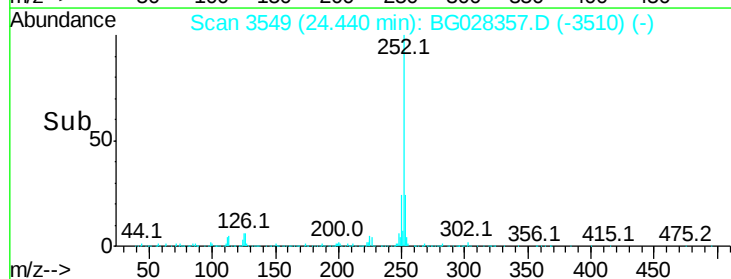
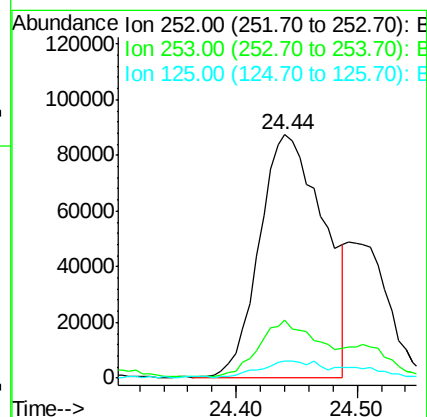
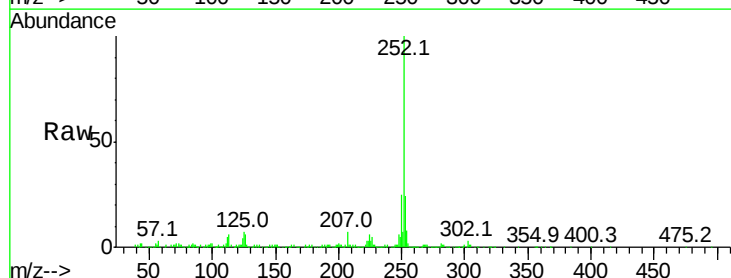
Tgt Ion:252 Resp: 322461

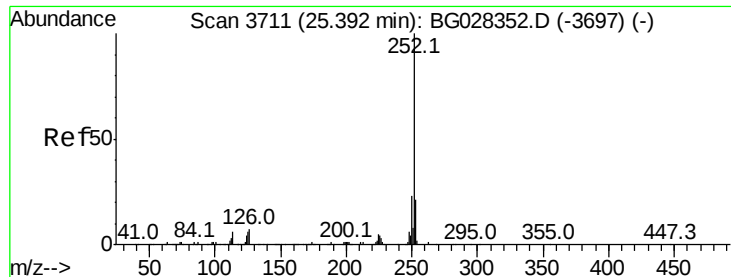
Ion Ratio Lower Upper

252 100

253 24.1 18.5 27.7

125 6.9 4.1 6.1#





#88

Benzo(a)pyrene

Concen: 10.608 ng/ul

RT: 25.40 min Scan# 3712

Delta R.T. 0.01 min

Lab File: BG028357.D

Acq: 15 Aug 2017 23:59

Instrument :

BNA_G

ClientSampleId :

C0AG7

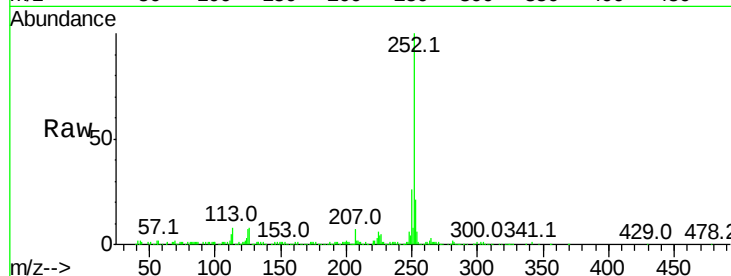
Tot Ion:252 Resp: 222576

Ion Ratio Lower Upper

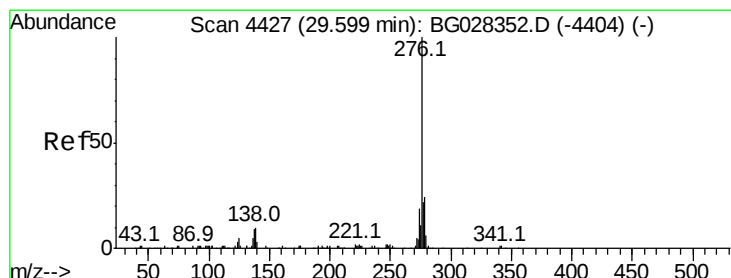
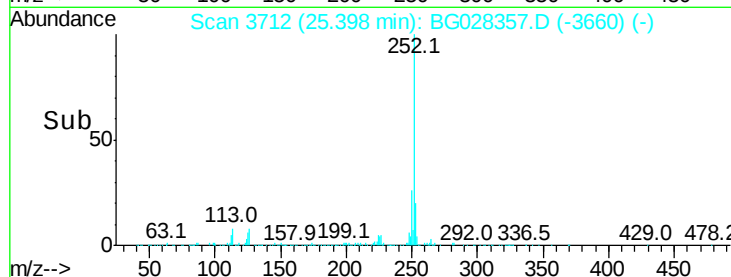
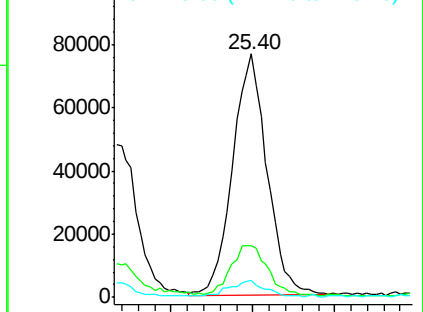
252 100

253 21.2 17.8 26.6

125 7.2 5.4 8.0



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: 5.831 ng/ul

RT: 29.60 min Scan# 4427

Delta R.T. -0.00 min

Lab File: BG028357.D

Acq: 15 Aug 2017 23:59

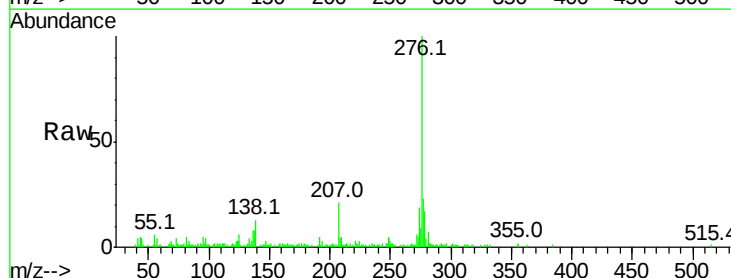
Tgt Ion:276 Resp: 143279

Ion Ratio Lower Upper

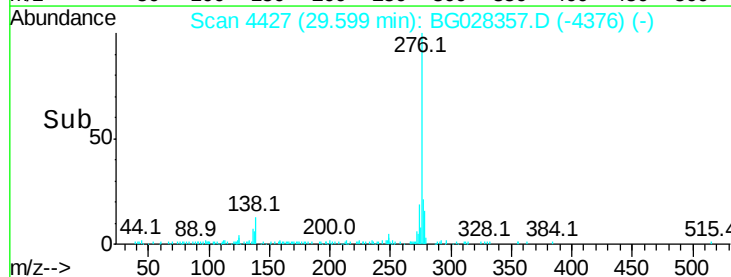
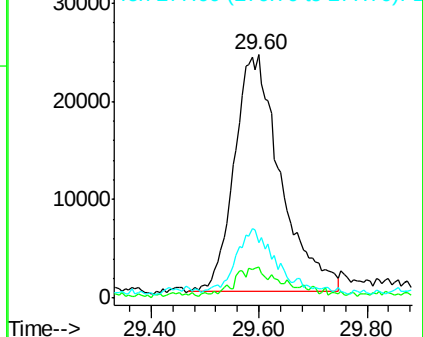
276 100

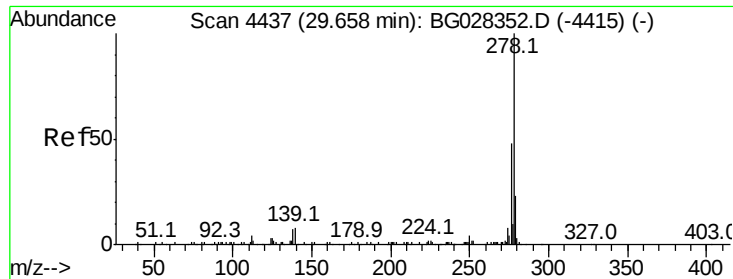
138 12.7 8.2 12.4#

277 22.8 18.6 28.0



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





#90

Dibenzo(a,h)anthracene

Concen: 1.083 ng/ul

RT: 29.65 min Scan# 4436

Delta R.T. -0.01 min

Lab File: BG028357.D

Acq: 15 Aug 2017 23:59

Instrument :

BNA_G

ClientSampleId :

C0AG7

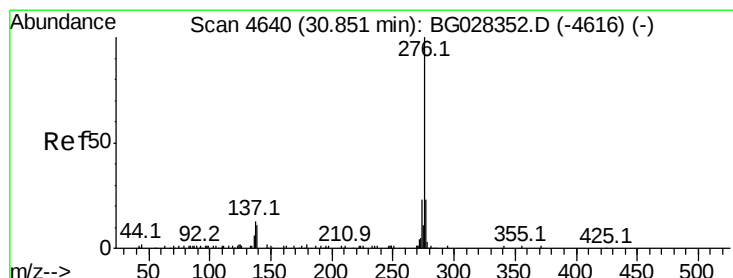
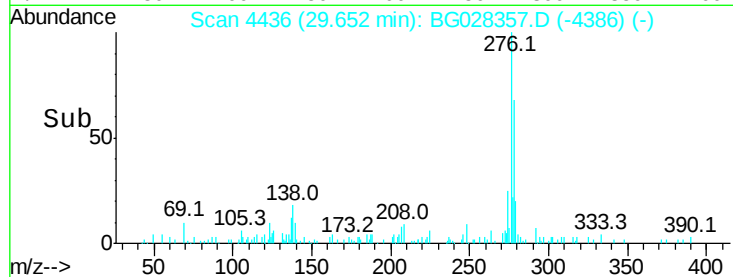
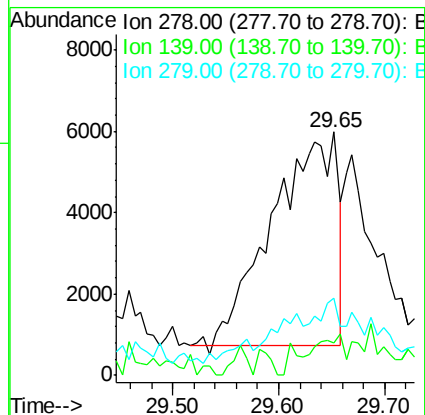
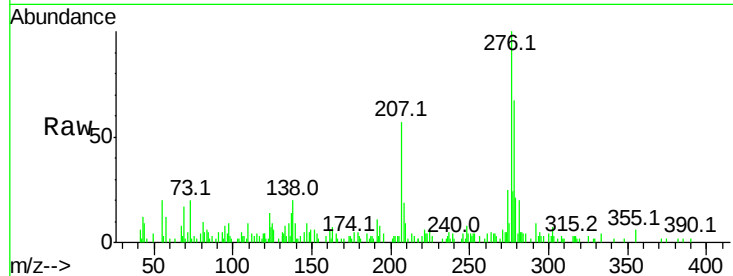
Tot Ion:278 Resp: 22295

Ion Ratio Lower Upper

278 100

139 13.3 6.7 10.1#

279 31.8 20.9 31.3#



#91

Benzo(g,h,i)perylene

Concen: 5.738 ng/ul

RT: 30.86 min Scan# 4642

Delta R.T. 0.01 min

Lab File: BG028357.D

Acq: 15 Aug 2017 23:59

Tgt Ion:276 Resp: 115985

Ion Ratio Lower Upper

276 100

138 10.7 8.6 12.8

277 26.9 17.6 26.4#

