

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081517\
 Data File : BG028365.D
 Acq On : 16 Aug 2017 5:17
 Operator : SJ/JU
 Sample : I4672-18
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AG2

Quant Time: Aug 16 09:08:42 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	50060	20.00	ng/ul	0.00
18) Naphthalene-d8	11.18	136	214890	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.97	164	143137	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.72	188	337158	20.00	ng/ul	0.00
75) Chrysene-d12	22.05	240	373137	20.00	ng/ul	0.00
83) Perylene-d12	25.57	264	360728	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.84	96	2639	2.45	ng/uL	0.00
5) Phenol-d5	7.51	99	76498	13.91	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.67	67	50725	14.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.89	132	57607	16.61	ng/ul	0.00
13) 4-Methylphenol-d8	9.06	113	64984	14.14	ng/ul	0.00
19) Nitrobenzene-d5	9.53	128	29999	17.85	ng/ul	0.00
22) 2-Nitrophenol-d4	10.25	143	35285	19.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.80	165	71267	18.70	ng/ul	0.00
29) 4-Chloroaniline-d4	11.31	131	61393	14.47	ng/ul	0.00
43) Dimethylphthalate-d6	14.36	166	225116	17.68	ng/ul	0.00
46) Acenaphthylene-d8	14.66	160	274849	19.15	ng/ul	0.00
51) 4-Nitrophenol-d4	15.17	143	26808	13.24	ng/ul	0.00
57) Fluorene-d10	15.95	176	204359	17.89	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.07	200	33776	15.42	ng/ul	0.00
70) Anthracene-d10	17.82	188	330224	20.43	ng/ul	0.00
76) Pyrene-d10	20.09	212	395056	20.65	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.32	264	371883	22.02	ng/ul	0.00

Target Compounds

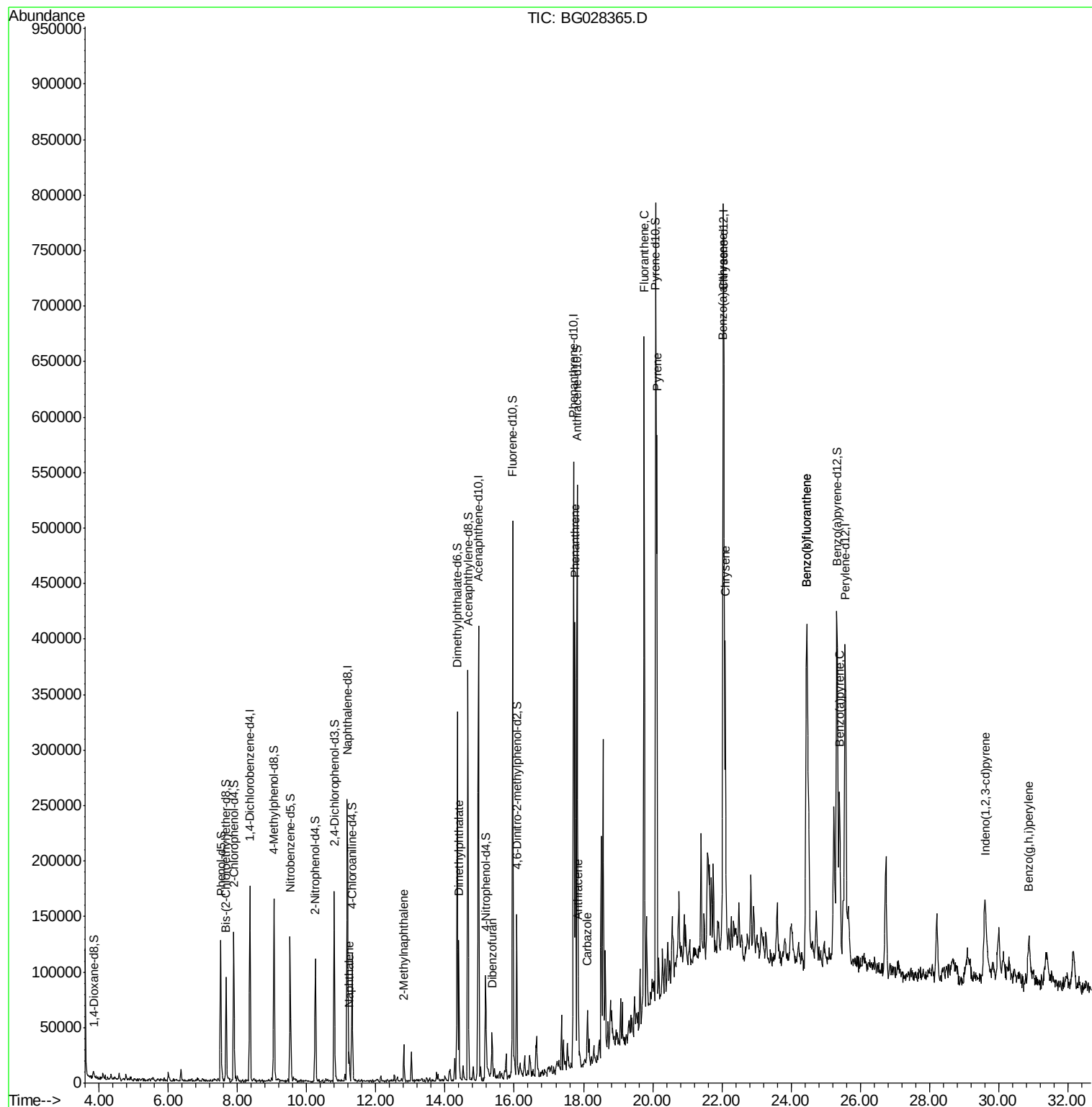
					Ovalue	
28) Naphthalene	11.23	128	20194	1.897	ng/ul#	91
34) 2-Methylnaphthalene	12.81	142	15196	1.778	ng/ul	94
44) Dimethylphthalate	14.40	163	75562	6.446	ng/ul	98
53) Dibenzofuran	15.36	168	18014	1.335	ng/ul	95
69) Phenanthrene	17.76	178	250383	14.757	ng/ul	99
71) Anthracene	17.85	178	56271	3.245	ng/ul	97
72) Carbazole	18.12	167	33529	2.223	ng/ul	97
74) Fluoranthene	19.75	202	395873	19.198	ng/ul	99
77) Pyrene	20.12	202	328828	14.771	ng/ul	97
80) Benzo(a)anthracene	22.03	228	233564	10.833	ng/ul	98
82) Chrysene	22.10	228	246383	12.689	ng/ul	99
85) Benzo(b)fluoranthene	24.44	252	401189	18.585	ng/ul#	98
86) Benzo(k)fluoranthene	24.44	252	401189	19.027	ng/ul#	98
88) Benzo(a)pyrene	25.40	252	190397	9.110	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	29.61	276	138828	5.672	ng/ul#	92
91) Benzo(g,h,i)perylene	30.87	276	104049	5.167	ng/ul#	96

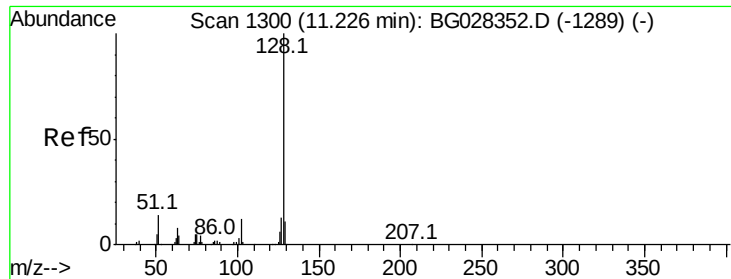
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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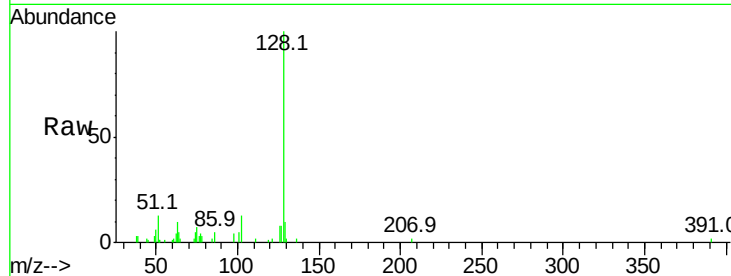




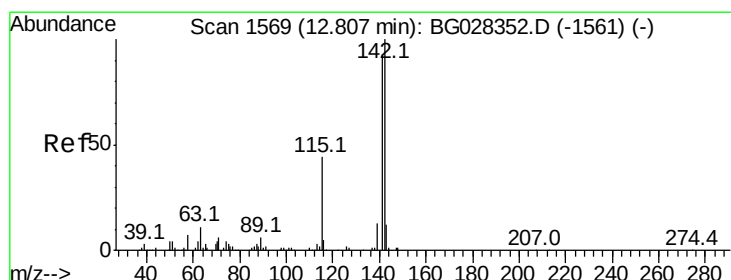
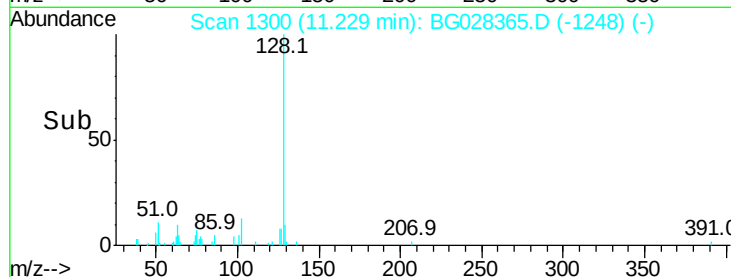
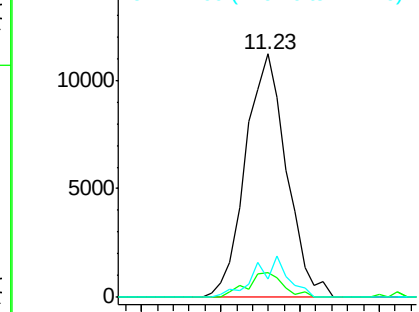
#28
Naphthalene
Concen: 1.897 ng/ul
RT: 11.23 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BG028365.D
Acq: 16 Aug 2017 5:17

Instrument :
BNA_G
ClientSampleId :
C0AG2

Tot Ion	Ratio	Lower	Upper
128	100		
129	9.9	9.4	14.2
127	7.6	10.3	15.5#

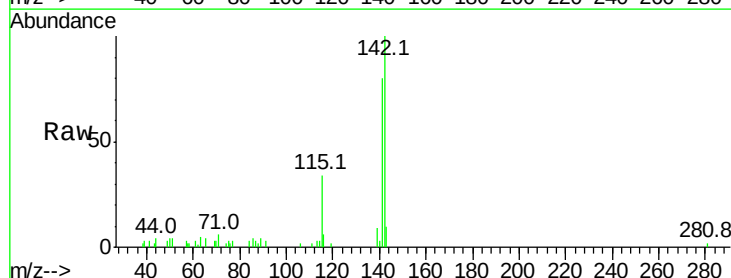


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

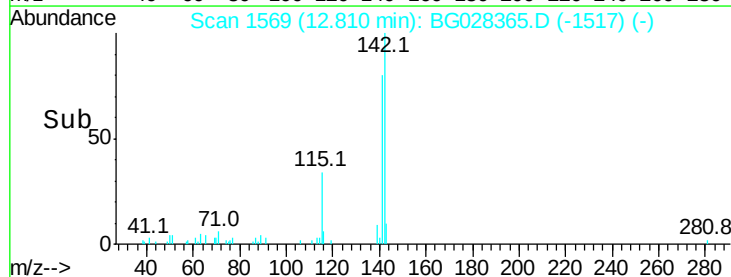
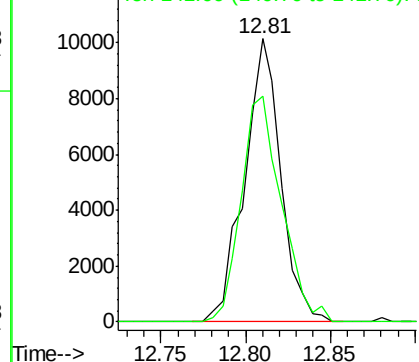


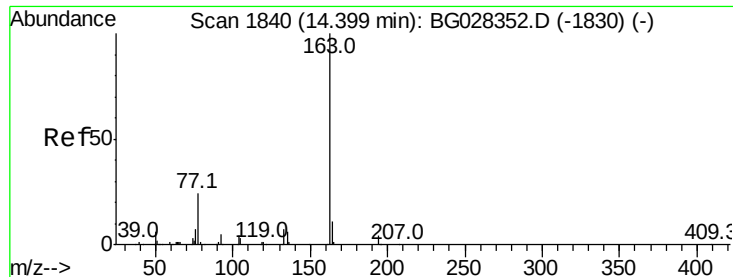
#34
2-Methylnaphthalene
Concen: 1.778 ng/ul
RT: 12.81 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BG028365.D
Acq: 16 Aug 2017 5:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	80.0	68.6	102.8



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





#44

Dimethylphthalate

Concen: 6.446 ng/ul

RT: 14.40 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BG028365.D

Acq: 16 Aug 2017 5:17

Instrument :

BNA_G

ClientSampleId :

C0AG2

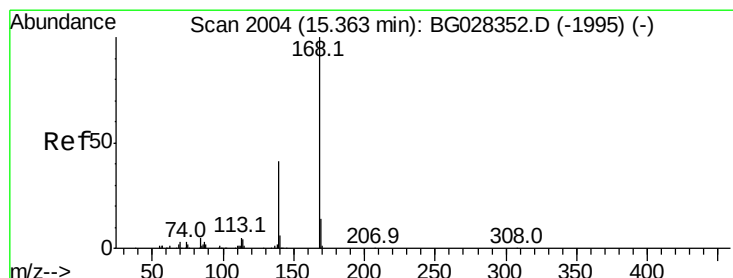
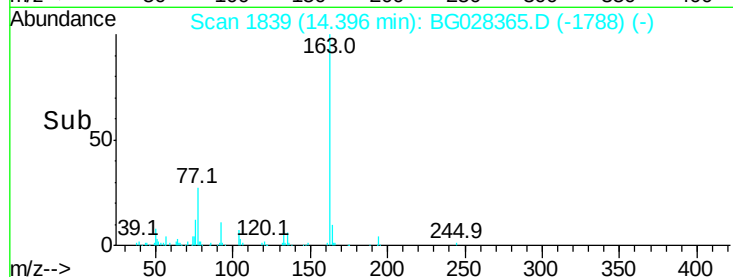
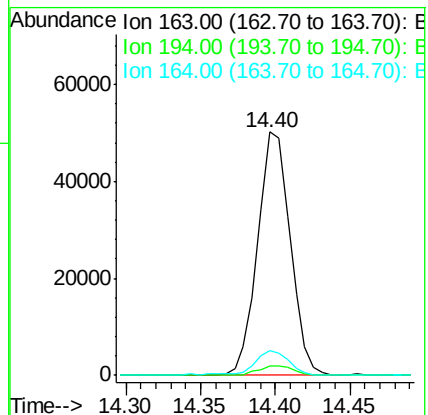
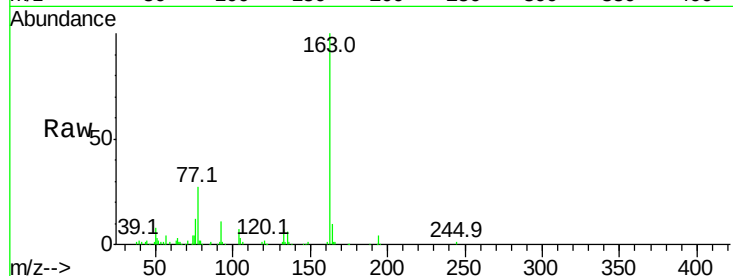
Tot Ion:163 Resp: 75562

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

164 10.2 9.0 13.4



#53

Dibenzofuran

Concen: 1.335 ng/ul

RT: 15.36 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BG028365.D

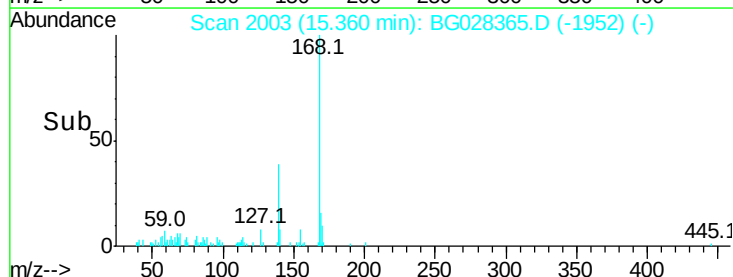
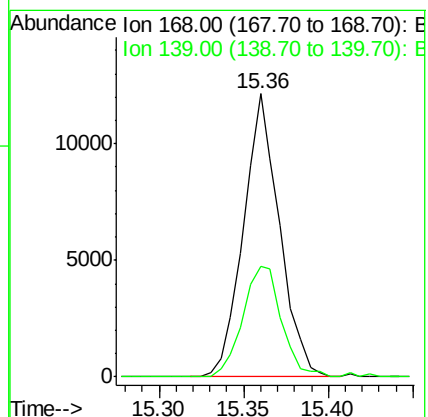
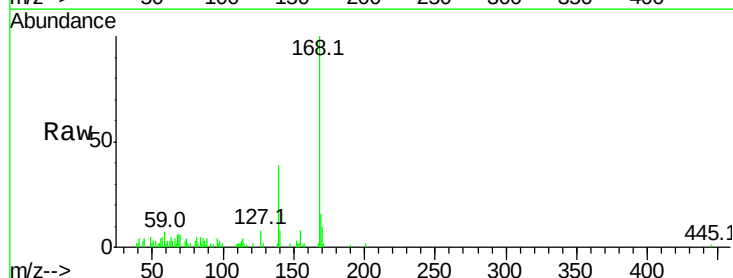
Acq: 16 Aug 2017 5:17

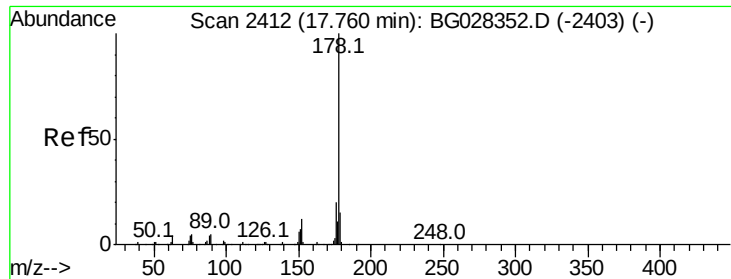
Tgt Ion:168 Resp: 18014

Ion Ratio Lower Upper

168 100

139 39.0 33.8 50.8





#69

Phenanthrene

Concen: 14.757 ng/ul

RT: 17.76 min Scan# 2411

Delta R.T. -0.00 min

Lab File: BG028365.D

Acq: 16 Aug 2017 5:17

Instrument :

BNA_G

ClientSampleId :

C0AG2

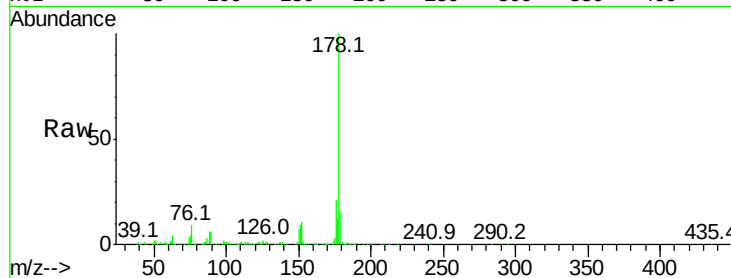
Tot Ion:178 Resp: 250383

Ion Ratio Lower Upper

178 100

179 15.8 12.4 18.6

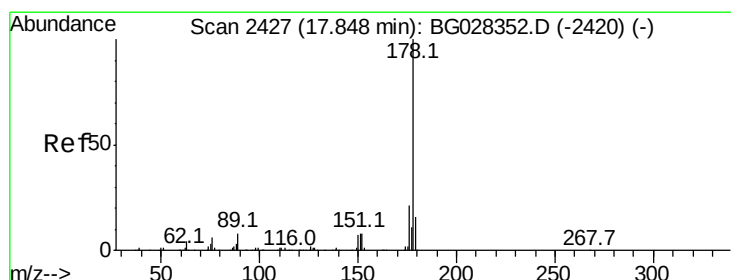
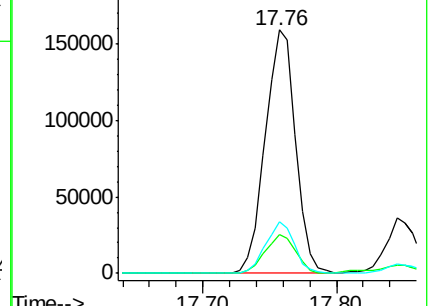
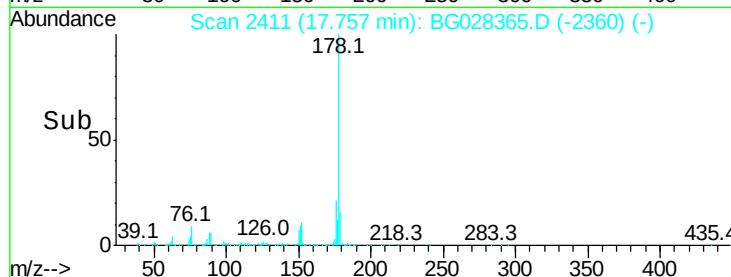
176 21.3 16.5 24.7



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: 3.245 ng/ul

RT: 17.85 min Scan# 2426

Delta R.T. -0.00 min

Lab File: BG028365.D

Acq: 16 Aug 2017 5:17

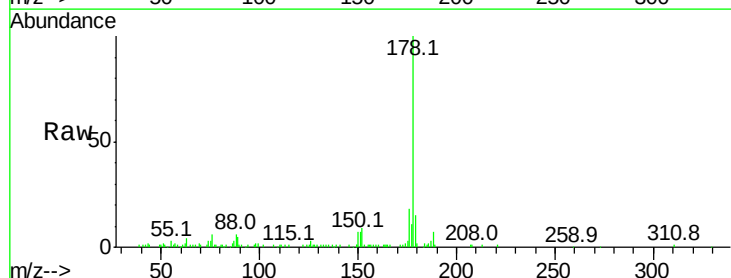
Tgt Ion:178 Resp: 56271

Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

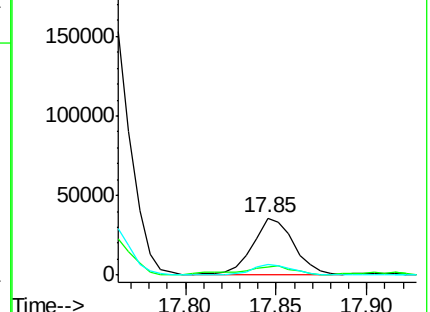
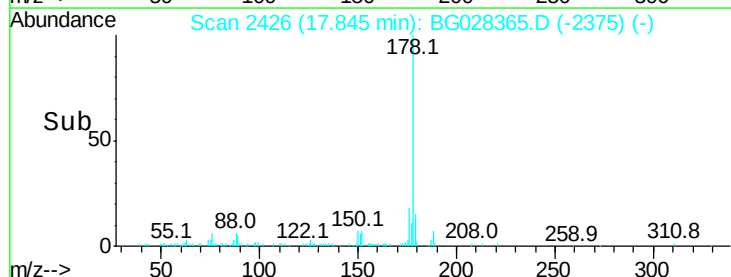
176 17.6 15.9 23.9

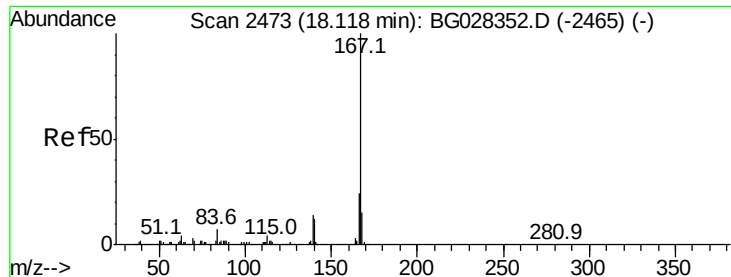


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 2.223 ng/ul

RT: 18.12 min Scan# 2472

Delta R.T. -0.00 min

Lab File: BG028365.D

Acq: 16 Aug 2017 5:17

Instrument :

BNA_G

ClientSampleId :

C0AG2

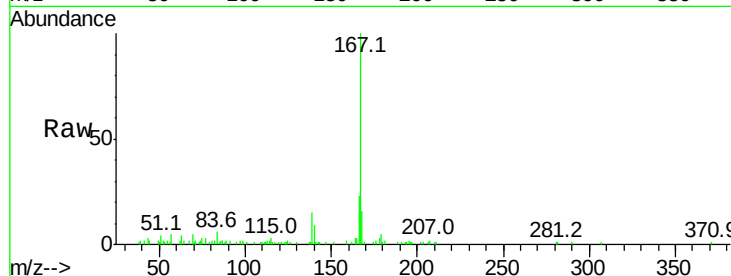
Tot Ion:167 Resp: 33529

Ion Ratio Lower Upper

167 100

166 22.9 17.9 26.9

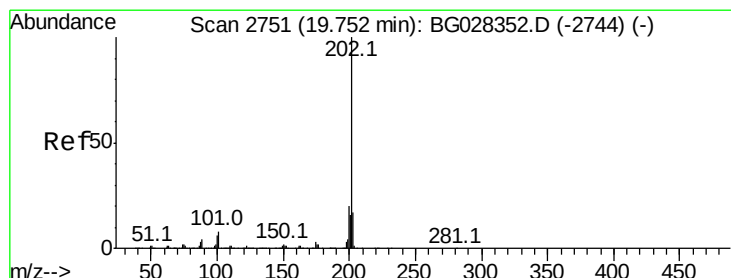
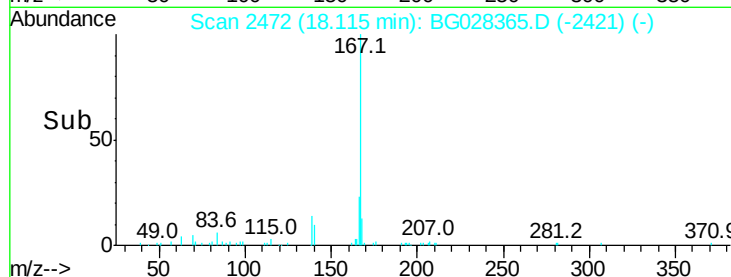
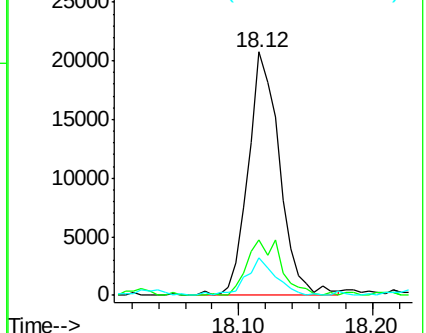
139 15.3 10.5 15.7



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: 19.198 ng/ul

RT: 19.75 min Scan# 2751

Delta R.T. 0.00 min

Lab File: BG028365.D

Acq: 16 Aug 2017 5:17

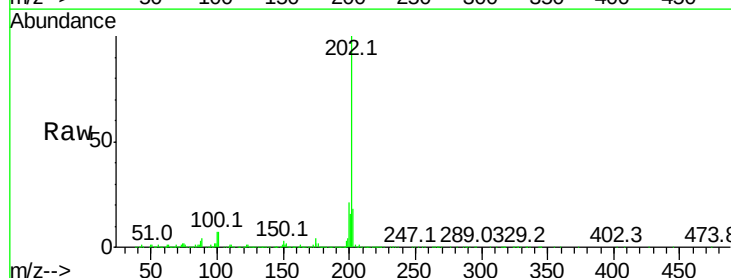
Tgt Ion:202 Resp: 395873

Ion Ratio Lower Upper

202 100

101 7.5 6.2 9.2

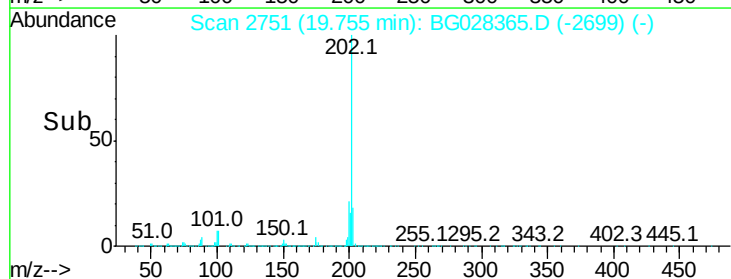
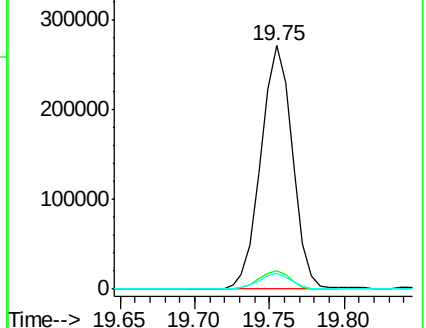
100 6.6 5.2 7.8

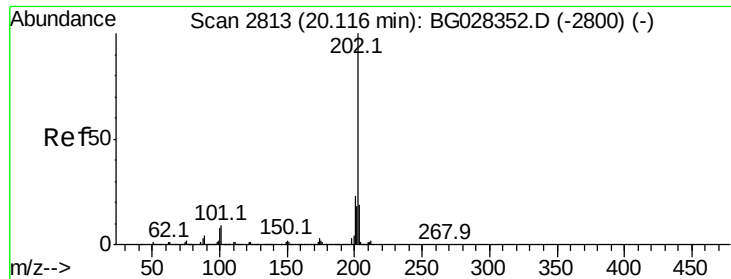


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 14.771 ng/ul

RT: 20.12 min Scan# 2813

Delta R.T. 0.00 min

Lab File: BG028365.D

Acq: 16 Aug 2017 5:17

Instrument :

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ClientSampleId :

C0AG2

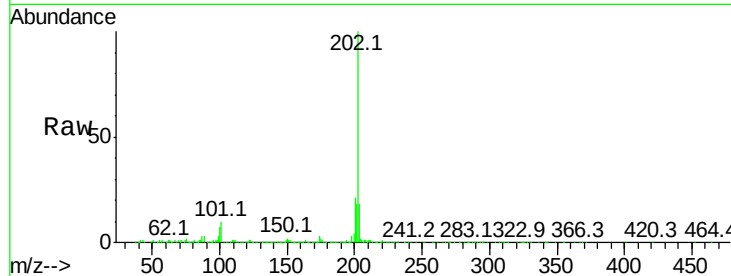
Tot Ion:202 Resp: 328828

Ion Ratio Lower Upper

202 100

101 9.8 6.9 10.3

100 7.2 6.6 10.0

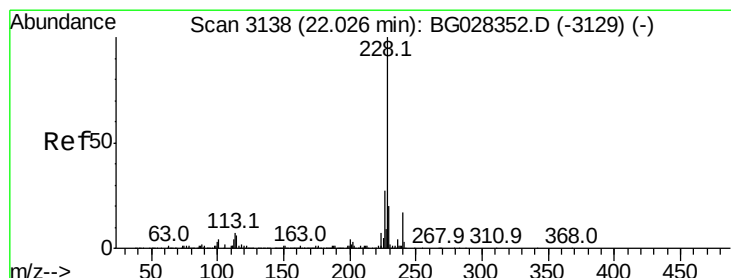
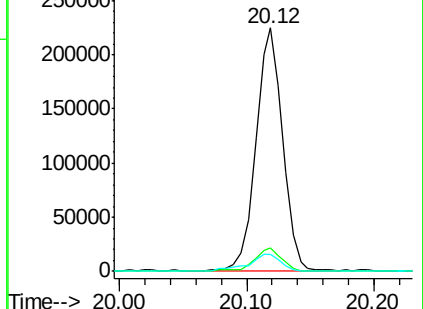
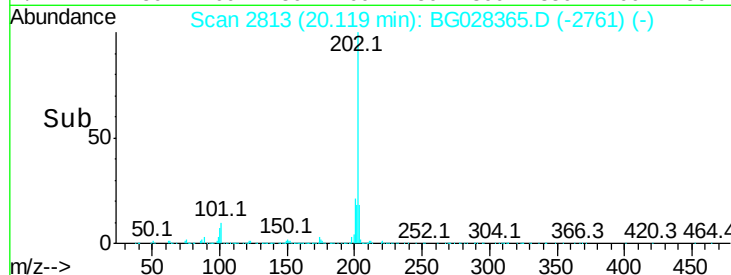


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Time-->



#80

Benzo(a)anthracene

Concen: 10.833 ng/ul

RT: 22.03 min Scan# 3138

Delta R.T. 0.00 min

Lab File: BG028365.D

Acq: 16 Aug 2017 5:17

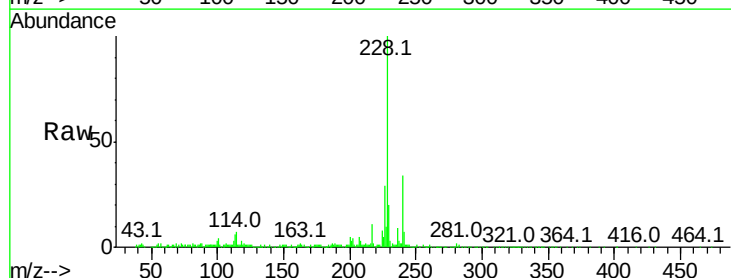
Tgt Ion:228 Resp: 233564

Ion Ratio Lower Upper

228 100

229 20.2 16.3 24.5

226 29.5 21.9 32.9

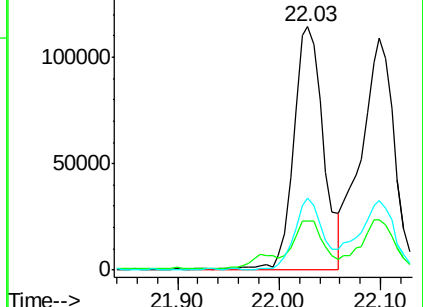
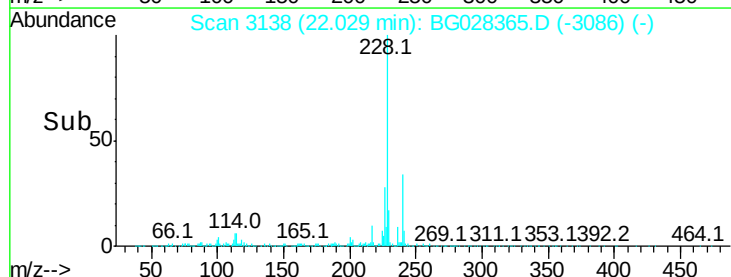


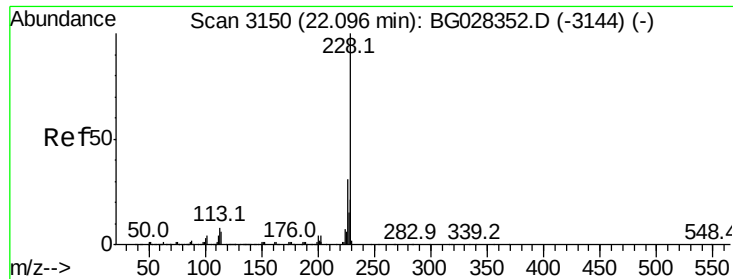
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

Time-->





#82

Chrysene

Concen: 12.689 ng/ul

RT: 22.10 min Scan# 3150

Delta R.T. 0.00 min

Lab File: BG028365.D

Acq: 16 Aug 2017 5:17

Instrument :

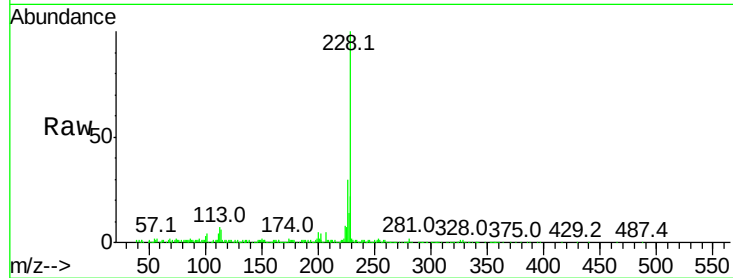
BNA_G

ClientSampleId :

C0AG2

Tot Ion:228 Resp: 246383

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.0	36.0
229	21.9	16.9	25.3

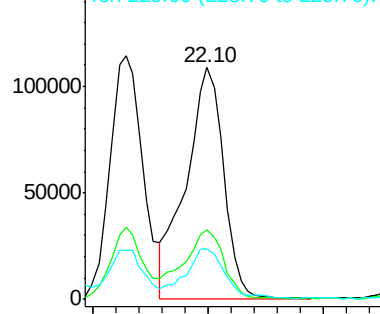


Abundance

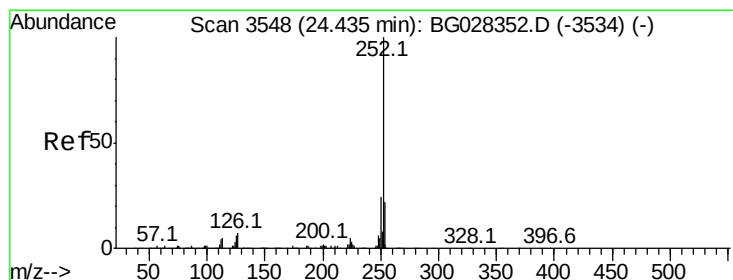
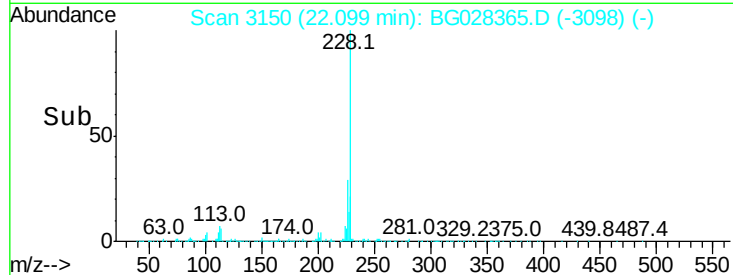
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 22.00 22.10 22.20



#85

Benzo(b)fluoranthene

Concen: 18.585 ng/ul

RT: 24.44 min Scan# 3549

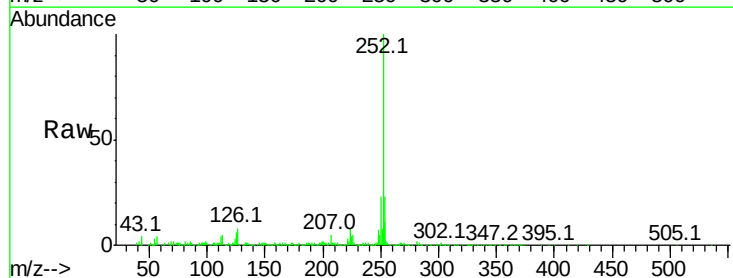
Delta R.T. 0.01 min

Lab File: BG028365.D

Acq: 16 Aug 2017 5:17

Tgt Ion:252 Resp: 401189

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	6.4	4.0	6.0

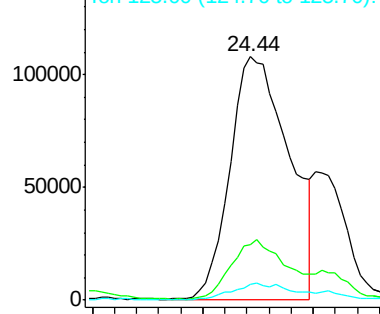


Abundance

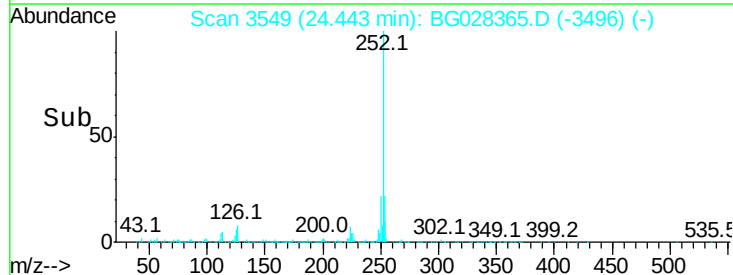
Ion 252.00 (251.70 to 252.70): E

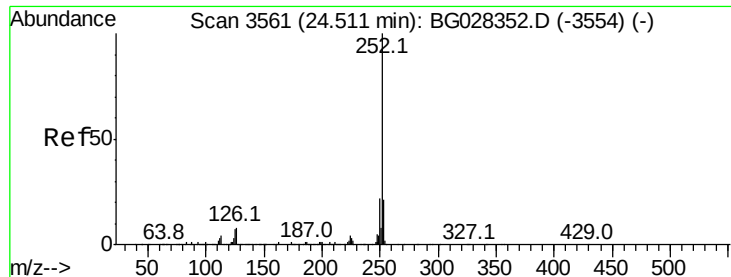
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 24.30 24.40 24.50





#86

Benzo(k)fluoranthene

Concen: 19.027 ng/ul

RT: 24.44 min Scan# 3549

Delta R.T. -0.07 min

Lab File: BG028365.D

Acq: 16 Aug 2017 5:17

Instrument :

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ClientSampleId :

C0AG2

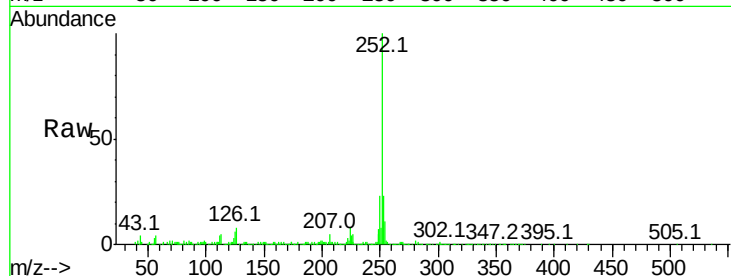
Tot Ion:252 Resp: 401189

Ion Ratio Lower Upper

252 100

253 22.6 18.5 27.7

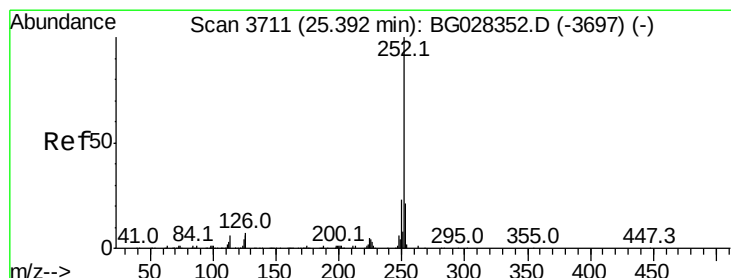
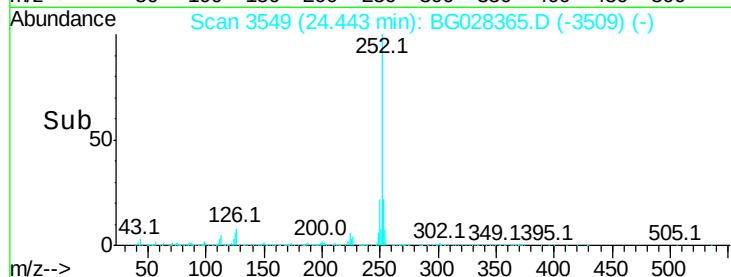
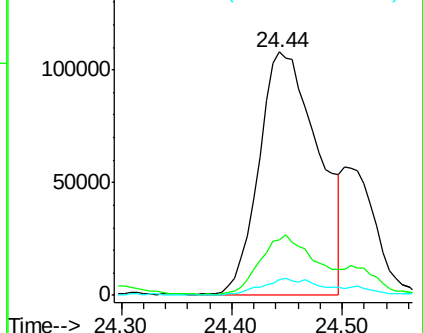
125 6.4 4.1 6.1#



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: 9.110 ng/ul

RT: 25.40 min Scan# 3712

Delta R.T. 0.01 min

Lab File: BG028365.D

Acq: 16 Aug 2017 5:17

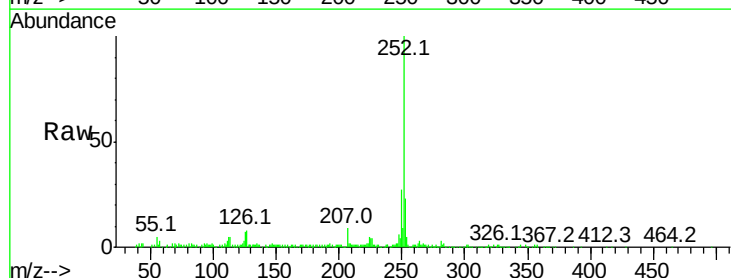
Tgt Ion:252 Resp: 190397

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

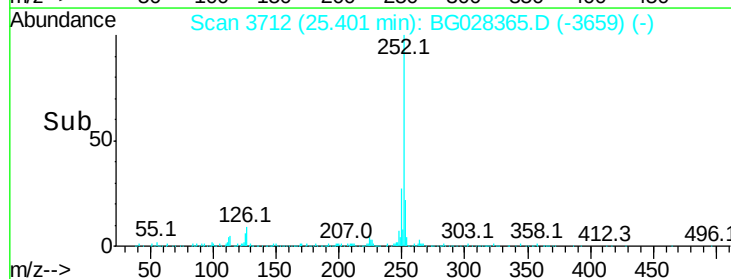
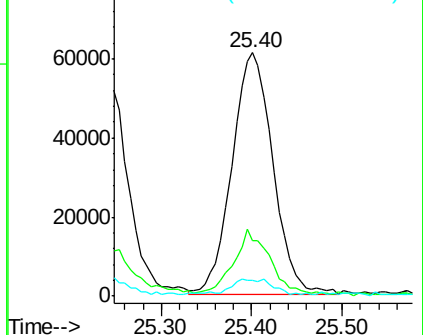
125 6.7 5.4 8.0

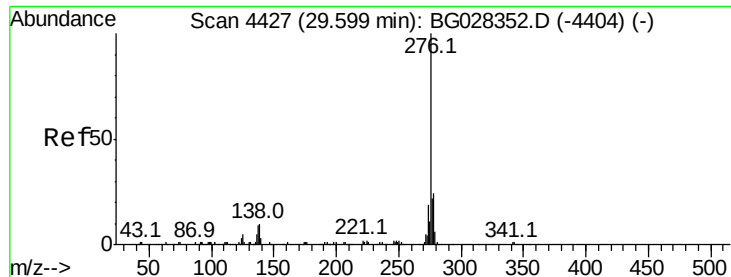


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



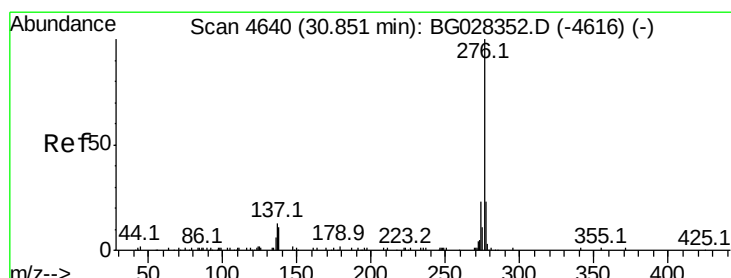
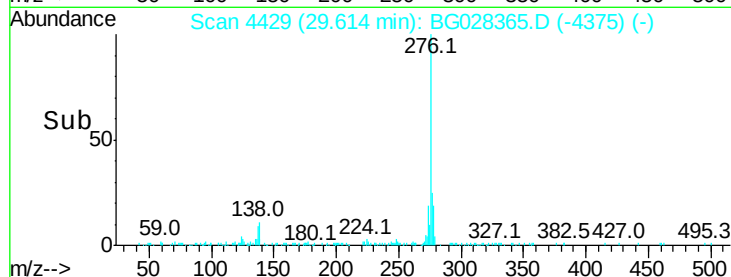
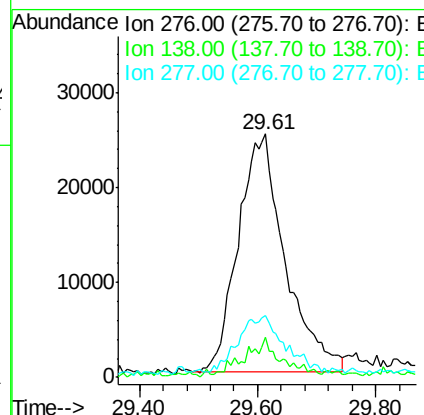
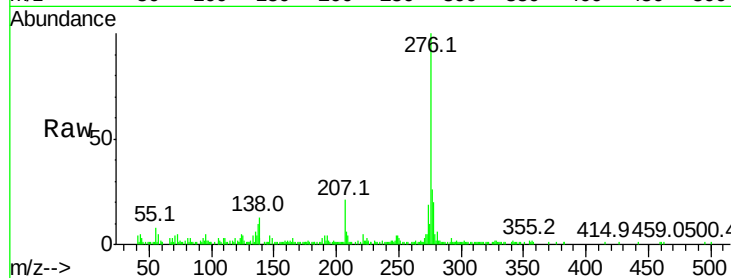


#89

Indeno(1,2,3-cd)pyrene
 Concen: 5.672 ng/ul
 RT: 29.61 min Scan# 4429
 Delta R.T. 0.01 min
 Lab File: BG028365.D
 Acq: 16 Aug 2017 5:17

Instrument :
 BNA_G
 ClientSampleId :
 C0AG2

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.5	8.2	12.4#
277	25.6	18.6	28.0



#91

Benzo(g,h,i)perylene
 Concen: 5.167 ng/ul
 RT: 30.87 min Scan# 4643
 Delta R.T. 0.02 min
 Lab File: BG028365.D
 Acq: 16 Aug 2017 5:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.1	8.6	12.8#
277	23.2	17.6	26.4

