

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG101517\
 Data File : BG029265.D
 Acq On : 15 Oct 2017 18:54
 Operator : SJ/JU
 Sample : I5548-06DL 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AB7DL

Quant Time: Oct 16 09:34:57 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG101417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 16 09:33:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	112984	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	499109	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	292784	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.53	188	605165	20.00	ng/ul	0.00
75) Chrysene-d12	21.80	240	536727	20.00	ng/ul	0.00
83) Perylene-d12	25.12	264	536544	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	3529	1.27	ng/uL	0.00
5) Phenol-d5	7.32	99	66841	6.16	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	42254	6.23	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	49498	6.47	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	53007	6.05	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	25000	6.98	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	26510	7.22	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	53308	6.37	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	41639	4.28	ng/ul	0.00
43) Dimethylphthalate-d6	14.19	166	160975	6.43	ng/ul	0.00
46) Acenaphthylene-d8	14.49	160	206305	6.78	ng/ul	0.00
51) 4-Nitrophenol-d4	14.97	143	21860	4.73	ng/ul	0.00
57) Fluorene-d10	15.78	176	137583	6.71	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.89	200	10551	3.57	ng/ul	0.00
70) Anthracene-d10	17.63	188	201684	7.05	ng/ul	0.00
76) Pyrene-d10	19.90	212	201402	7.25	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.90	264	169314	6.66	ng/ul	0.00

Target Compounds

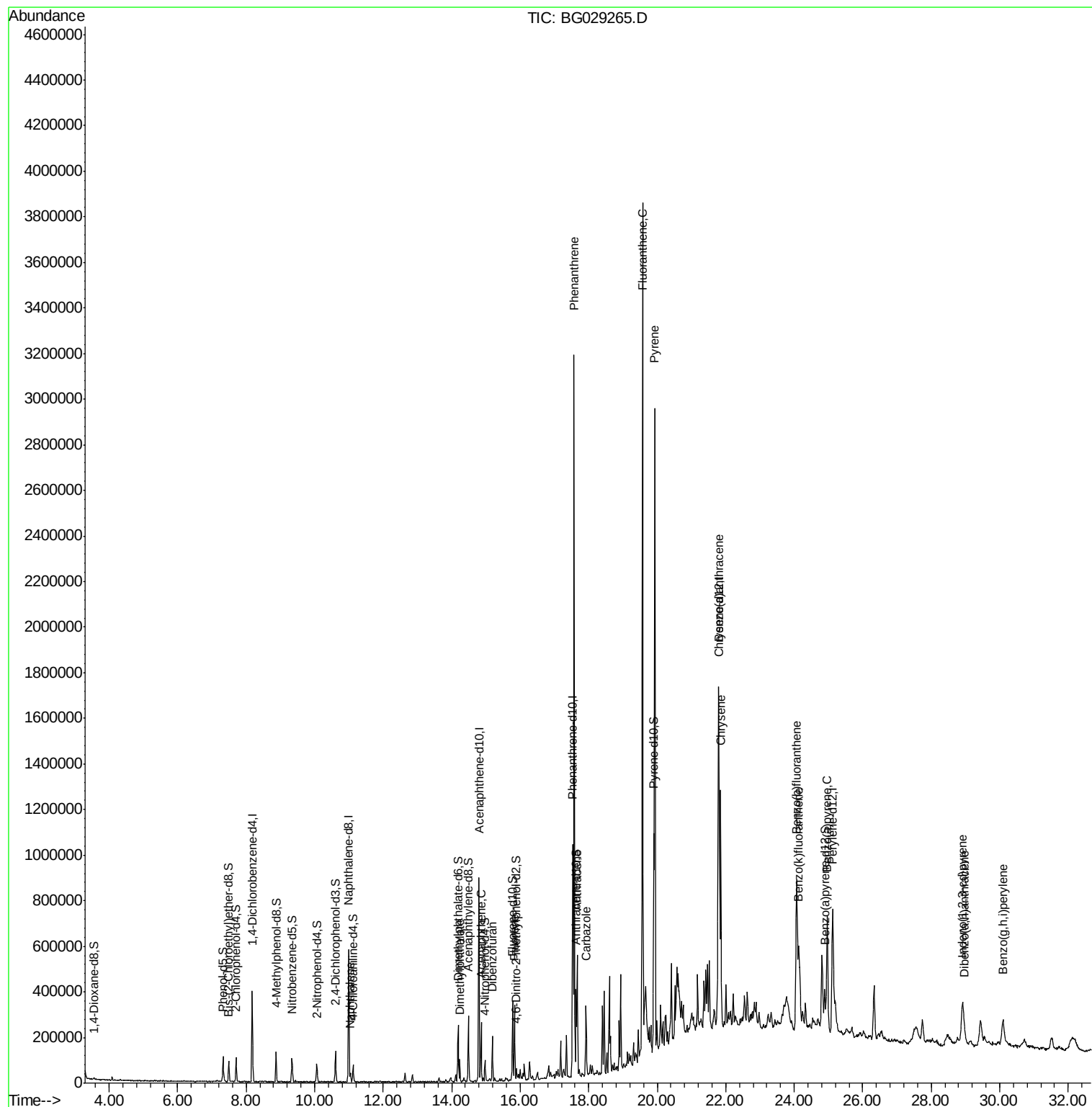
					Ovalue	
28) Naphthalene	11.05	128	33324	1.262	ng/ul#	93
44) Dimethylphthalate	14.24	163	61365	2.513	ng/ul	98
49) Acenaphthene	14.85	153	109618	5.160	ng/ul	98
53) Dibenzofuran	15.19	168	113798	3.918	ng/ul	94
58) Fluorene	15.83	166	144406	6.232	ng/ul	97
69) Phenanthrene	17.57	178	1876786	57.368	ng/ul	94
71) Anthracene	17.66	178	347743	10.303	ng/ul	99
72) Carbazole	17.93	167	193616	6.381	ng/ul	98
74) Fluoranthene	19.57	202	2089855	57.160	ng/ul#	86
77) Pyrene	19.93	202	1651636	45.915	ng/ul#	83
80) Benzo(a)anthracene	21.79	228	738289	21.949	ng/ul	99
82) Chrysene	21.85	228	699936	22.902	ng/ul	95
85) Benzo(b)fluoranthene	24.07	252	804438	24.974	ng/ul#	91
86) Benzo(k)fluoranthene	24.13	252	249077	7.998	ng/ul#	94
88) Benzo(a)pyrene	24.96	252	519190	16.559	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	28.92	276	310592	8.756	ng/ul#	92
90) Dibenzo(a,h)anthracene	28.97	278	78138	2.652	ng/ul#	88
91) Benzo(g,h,i)perylene	30.09	276	236054	8.028	ng/ul#	84

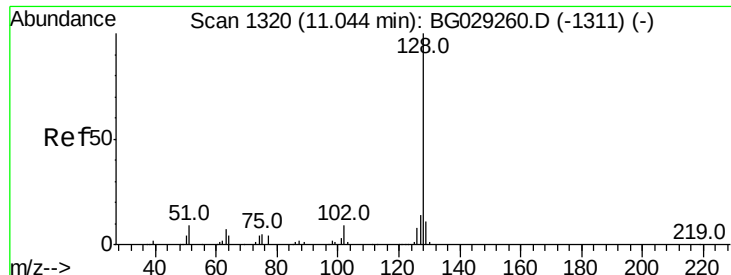
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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#28

Naphthalene

Concen: 1.262 ng/ul

RT: 11.05 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BG029265.D

Acq: 15 Oct 2017 18:54

Instrument :

BNA_G

ClientSampleId :

C0AB7DL

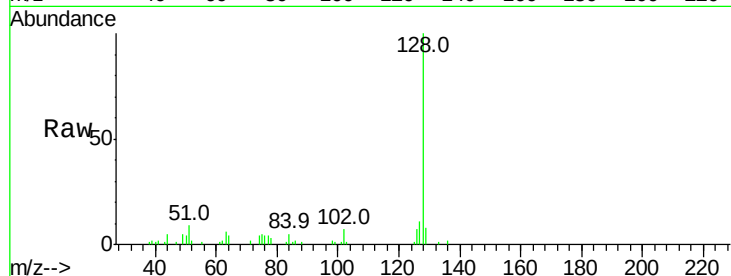
Tot Ion:128 Resp: 33324

Ion Ratio Lower Upper

128 100

129 8.4 9.3 13.9#

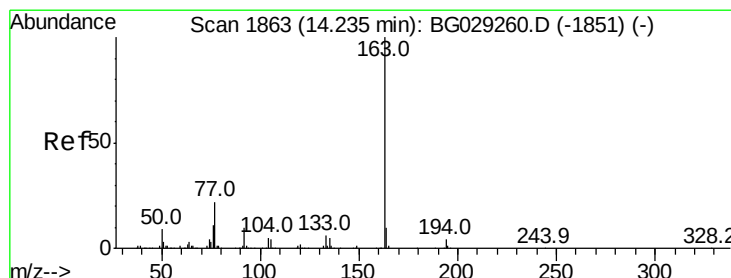
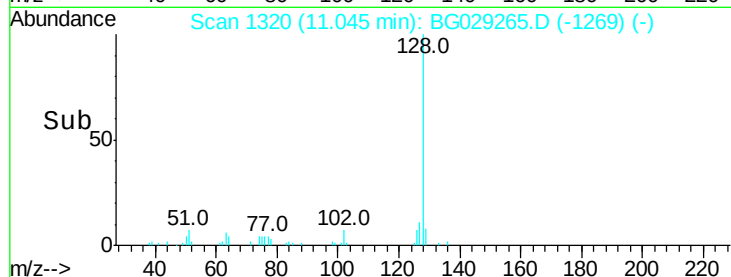
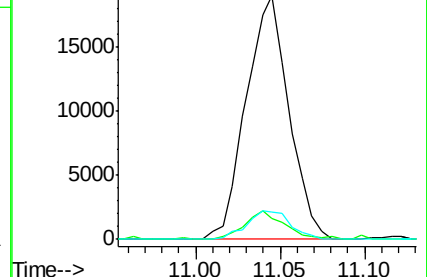
127 11.0 10.7 16.1



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



#44

Dimethylphthalate

Concen: 2.513 ng/ul

RT: 14.24 min Scan# 1863

Delta R.T. 0.00 min

Lab File: BG029265.D

Acq: 15 Oct 2017 18:54

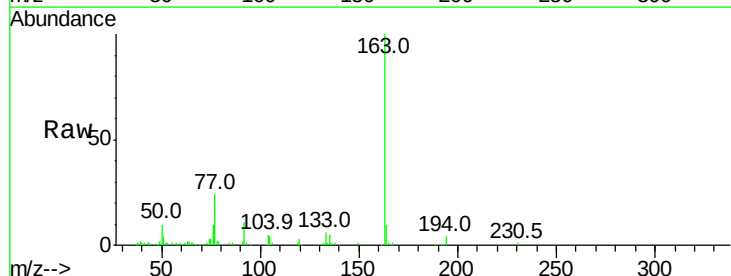
Tgt Ion:163 Resp: 61365

Ion Ratio Lower Upper

163 100

194 3.6 3.5 5.3

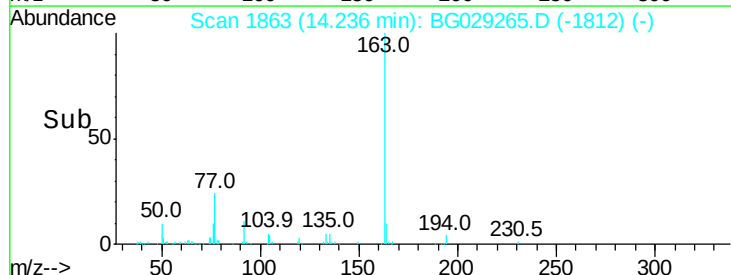
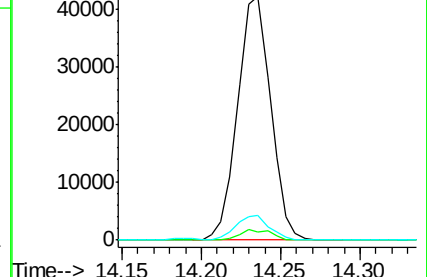
164 10.2 7.6 11.4

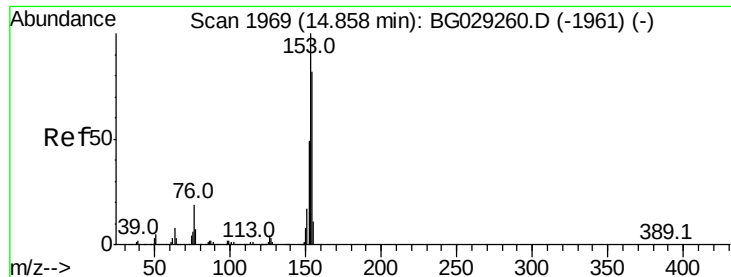


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 5.160 ng/ul

RT: 14.85 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BG029265.D

Acq: 15 Oct 2017 18:54

Instrument :

BNA_G

ClientSampleId :

C0AB7DL

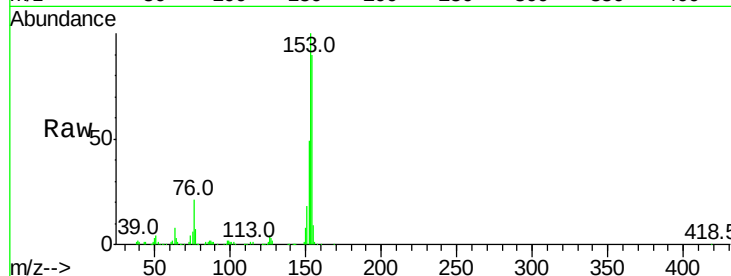
Tot Ion:153 Resp: 109618

Ion Ratio Lower Upper

153 100

152 48.6 38.2 57.2

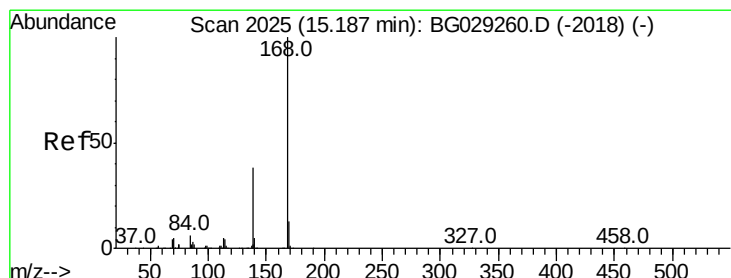
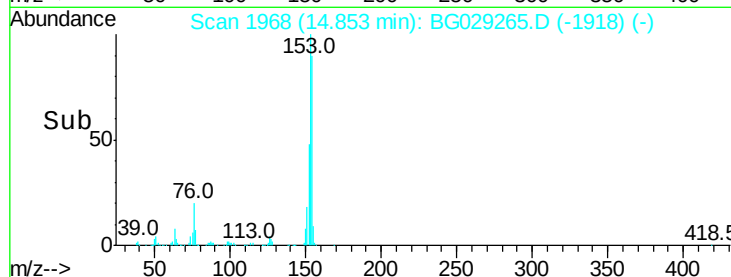
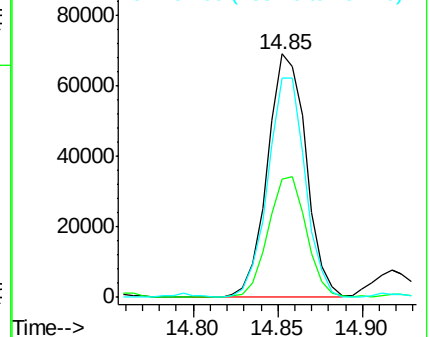
154 90.3 70.6 105.8



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: 3.918 ng/ul

RT: 15.19 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BG029265.D

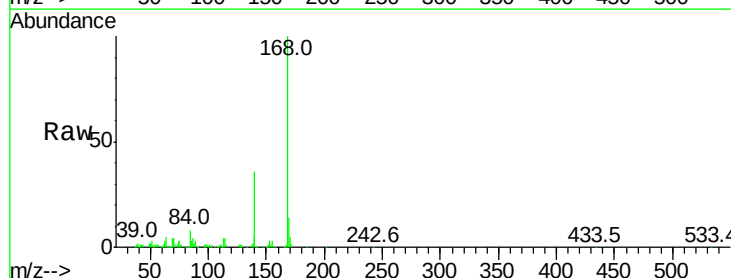
Acq: 15 Oct 2017 18:54

Tgt Ion:168 Resp: 113798

Ion Ratio Lower Upper

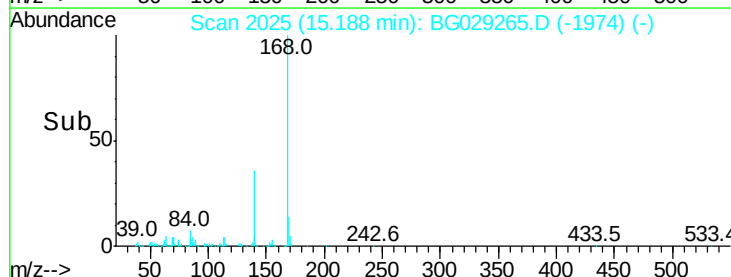
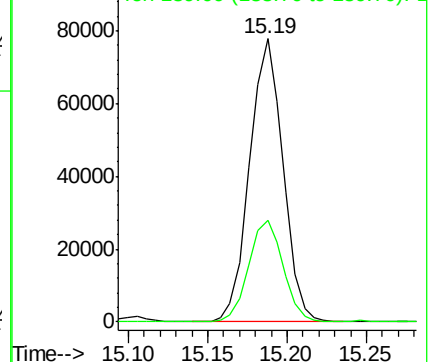
168 100

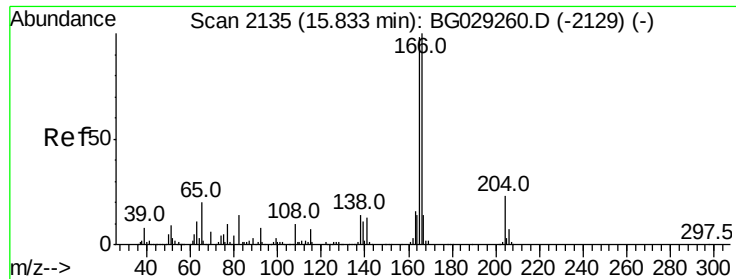
139 35.7 31.4 47.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 6.232 ng/ul

RT: 15.83 min Scan# 2135

Delta R.T. 0.00 min

Lab File: BG029265.D

Acq: 15 Oct 2017 18:54

Instrument :

BNA_G

ClientSampleId :

C0AB7DL

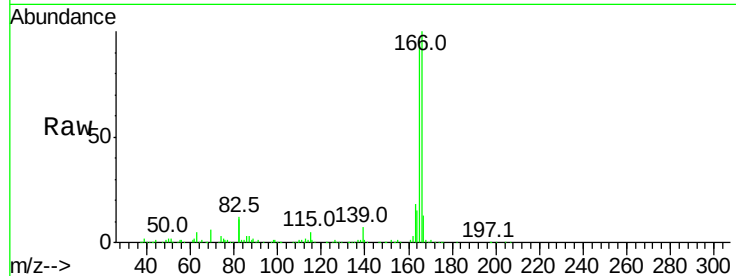
Tot Ion:166 Resp: 144406

Ion Ratio Lower Upper

166 100

165 96.1 79.9 119.9

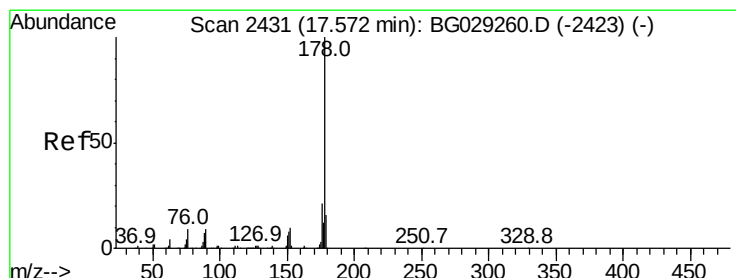
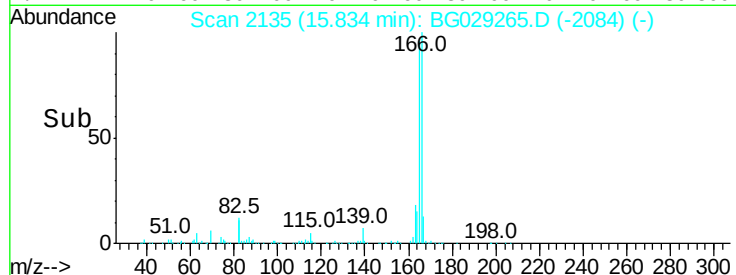
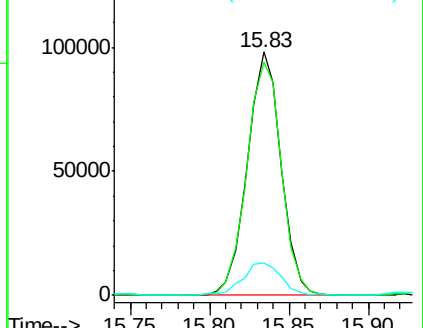
167 13.3 10.6 16.0



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: 57.368 ng/ul

RT: 17.57 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BG029265.D

Acq: 15 Oct 2017 18:54

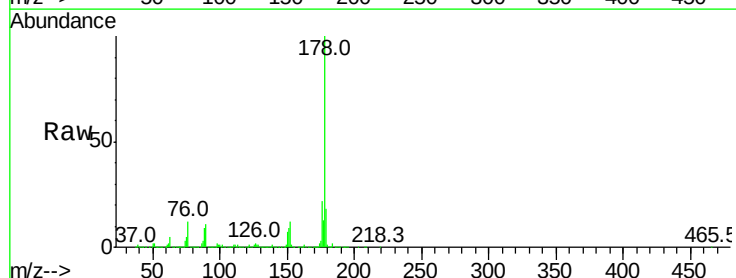
Tgt Ion:178 Resp: 1876786

Ion Ratio Lower Upper

178 100

179 18.2 13.0 19.6

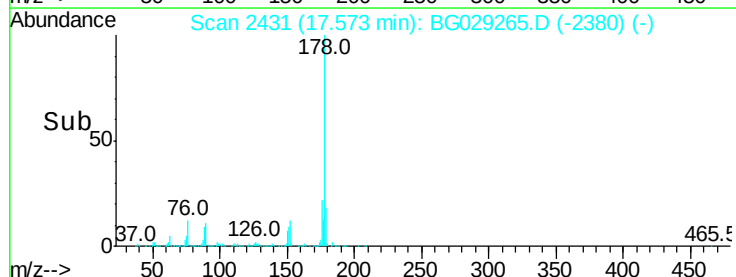
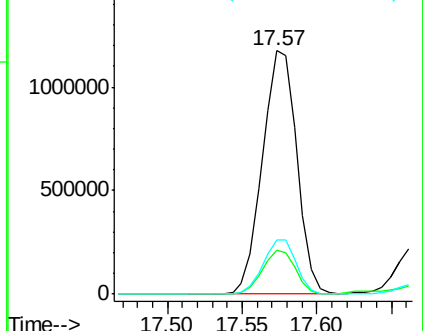
176 22.4 15.3 22.9

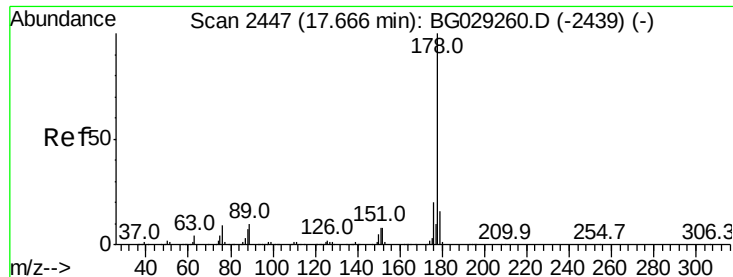


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

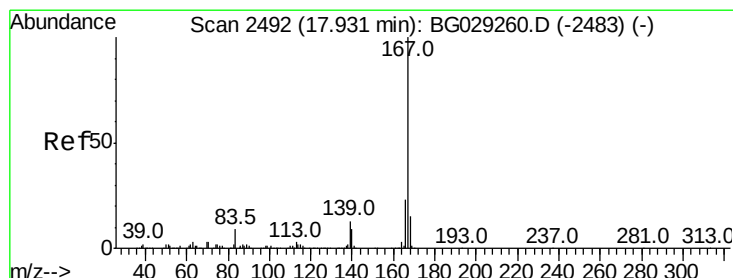
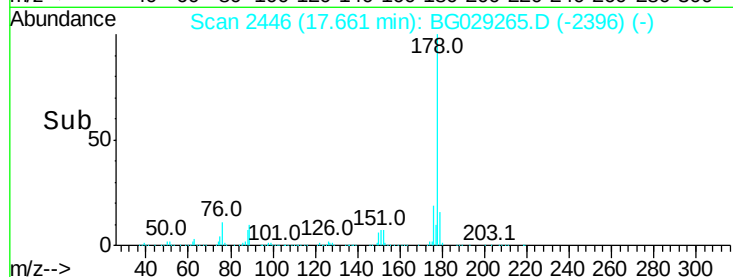
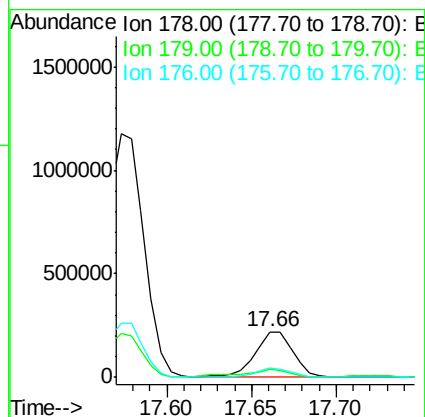
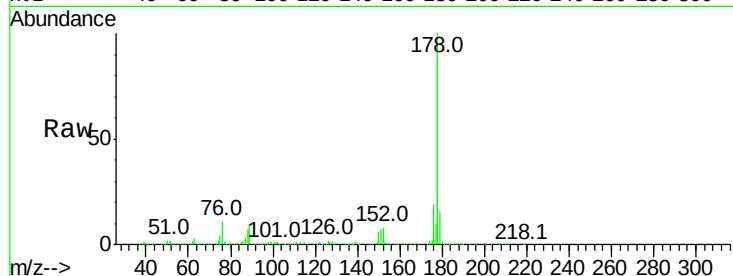




#71
 Anthracene
 Concen: 10.303 ng/ul
 RT: 17.66 min Scan# 2446
 Delta R.T. -0.01 min
 Lab File: BG029265.D
 Acq: 15 Oct 2017 18:54

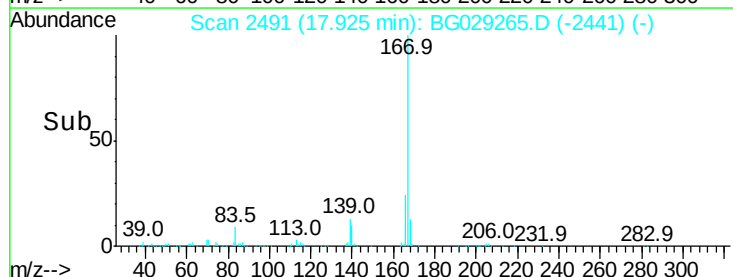
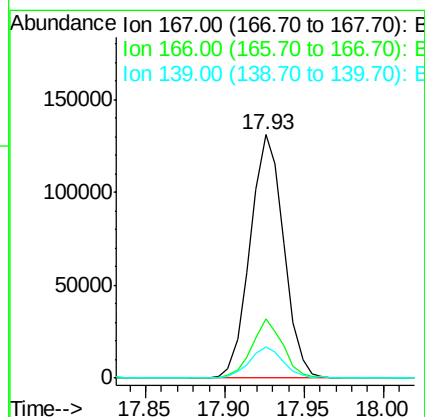
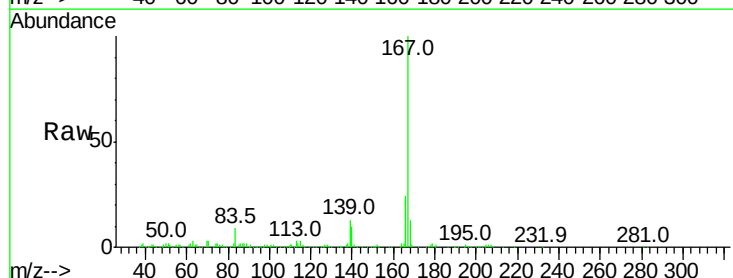
Instrument :
 BNA_G
 ClientSampleId :
 C0AB7DL

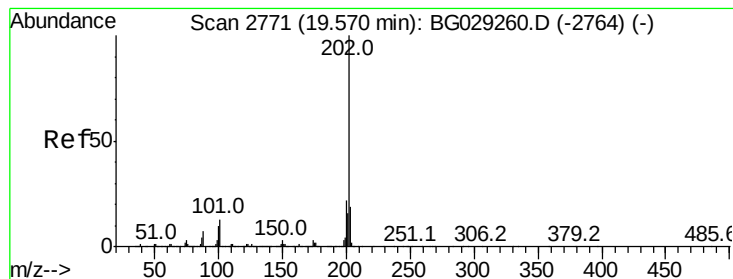
Tot Ion:178 Resp: 347743
 Ion Ratio Lower Upper
 178 100
 179 16.4 13.2 19.8
 176 19.1 16.0 24.0



#72
 Carbazole
 Concen: 6.381 ng/ul
 RT: 17.93 min Scan# 2491
 Delta R.T. -0.01 min
 Lab File: BG029265.D
 Acq: 15 Oct 2017 18:54

Tgt Ion:167 Resp: 193616
 Ion Ratio Lower Upper
 167 100
 166 24.3 18.6 28.0
 139 12.9 10.6 16.0





#74

Fluoranthene

Concen: 57.160 ng/ul

RT: 19.57 min Scan# 2771

Delta R.T. 0.00 min

Lab File: BG029265.D

Acq: 15 Oct 2017 18:54

Instrument :

BNA_G

ClientSampleId :

C0AB7DL

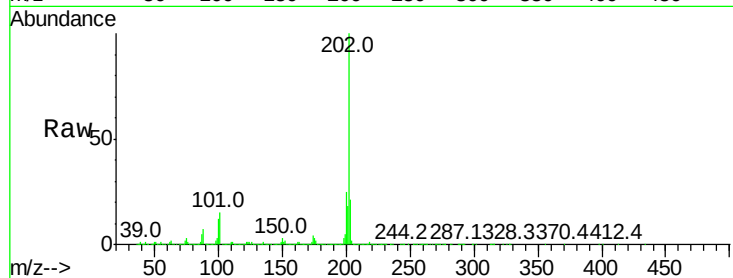
Tot Ion:202 Resp: 2089855

Ion Ratio Lower Upper

202 100

101 14.6 7.4 11.2#

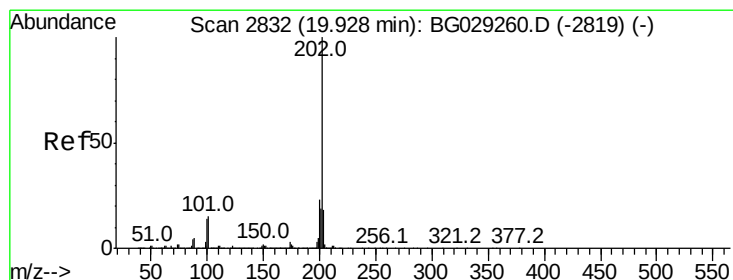
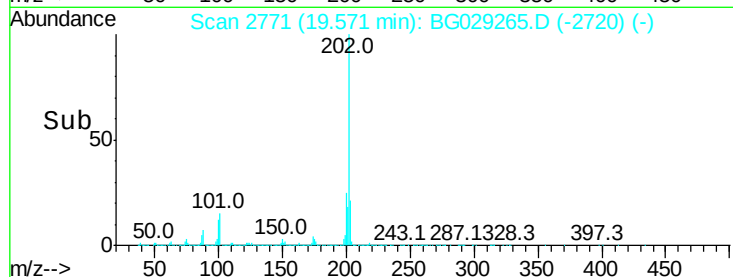
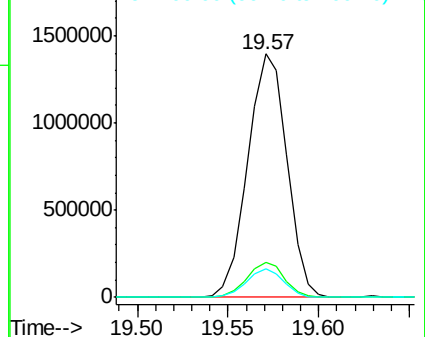
100 11.8 5.6 8.4#



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

Pyrene

Concen: 45.915 ng/ul

RT: 19.93 min Scan# 2832

Delta R.T. 0.00 min

Lab File: BG029265.D

Acq: 15 Oct 2017 18:54

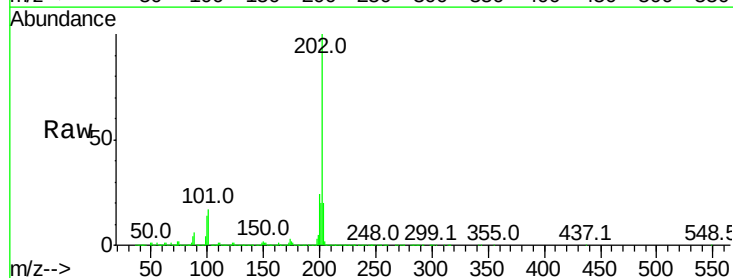
Tgt Ion:202 Resp: 1651636

Ion Ratio Lower Upper

202 100

101 17.2 8.4 12.6#

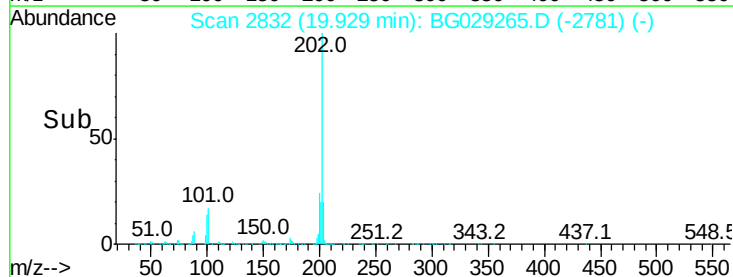
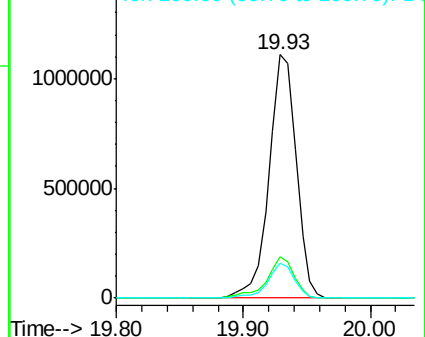
100 14.4 7.0 10.6#

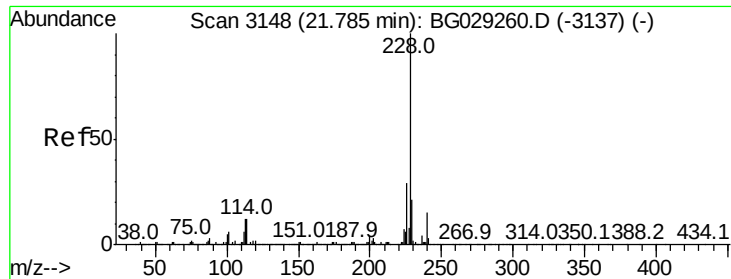


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

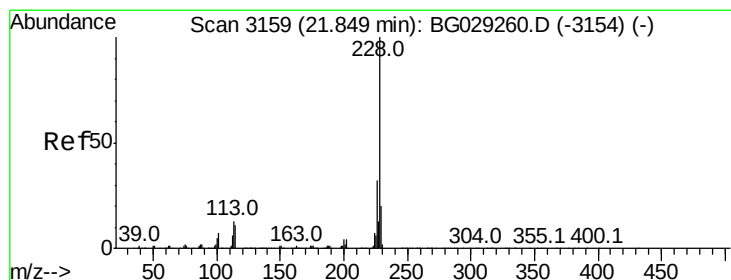
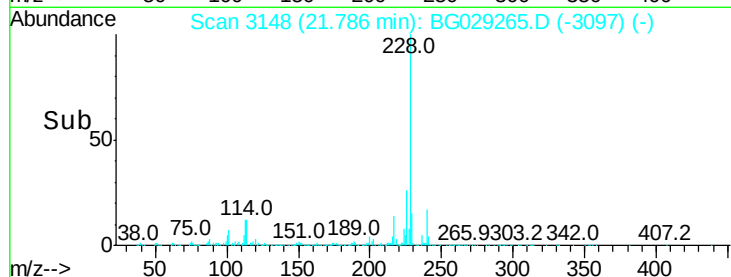
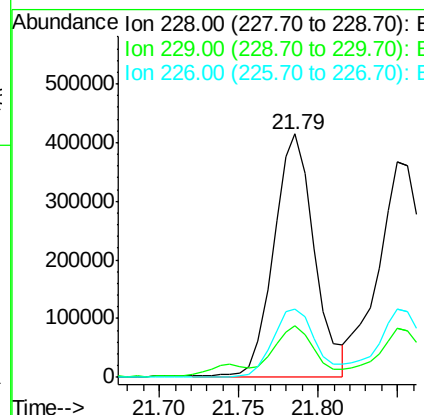
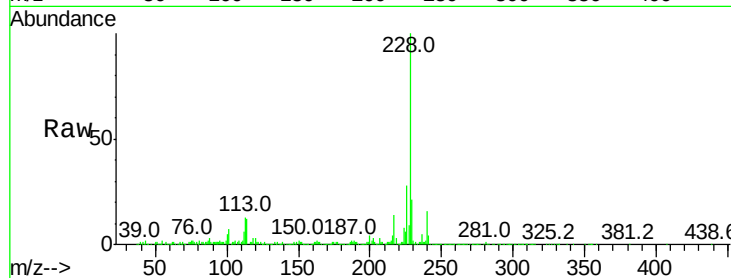




#80
Benzo(a)anthracene
Concen: 21.949 ng/ul
RT: 21.79 min Scan# 3148
Delta R.T. 0.00 min
Lab File: BG029265.D
Acq: 15 Oct 2017 18:54

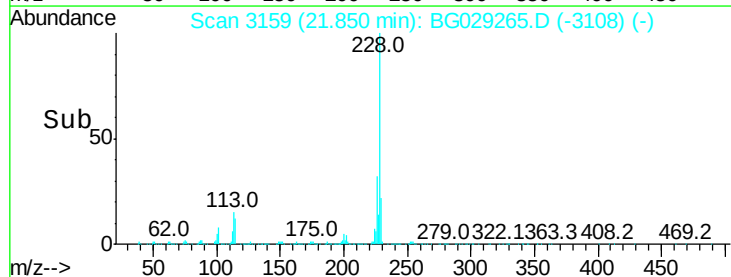
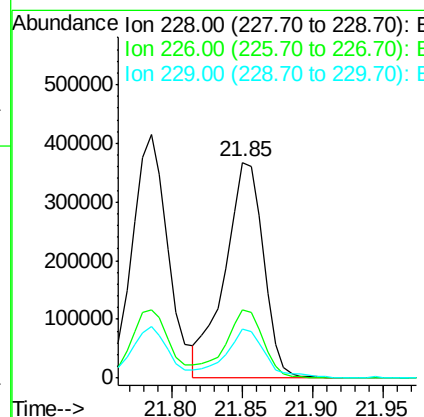
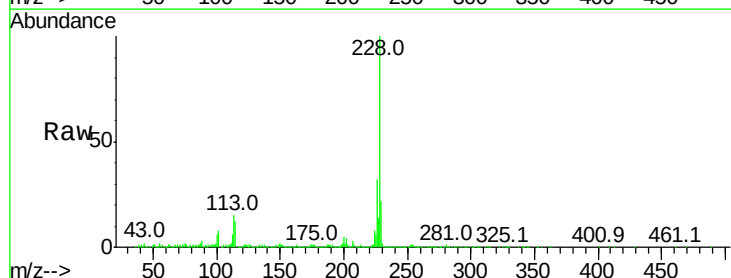
Instrument :
BNA_G
ClientSampleId :
C0AB7DL

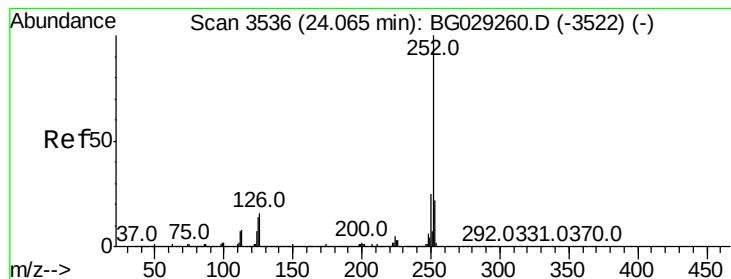
Tot Ion:228 Resp: 738289
Ion Ratio Lower Upper
228 100
229 21.2 16.2 24.4
226 28.2 22.2 33.2



#82
Chrysene
Concen: 22.902 ng/ul
RT: 21.85 min Scan# 3159
Delta R.T. 0.00 min
Lab File: BG029265.D
Acq: 15 Oct 2017 18:54

Tgt Ion:228 Resp: 699936
Ion Ratio Lower Upper
228 100
226 31.8 24.2 36.2
229 22.5 15.2 22.8





#85

Benzo(b)fluoranthene

Concen: 24.974 ng/ul

RT: 24.07 min Scan# 3537

Delta R.T. 0.01 min

Lab File: BG029265.D

Acq: 15 Oct 2017 18:54

Instrument :

BNA_G

ClientSampleId :

C0AB7DL

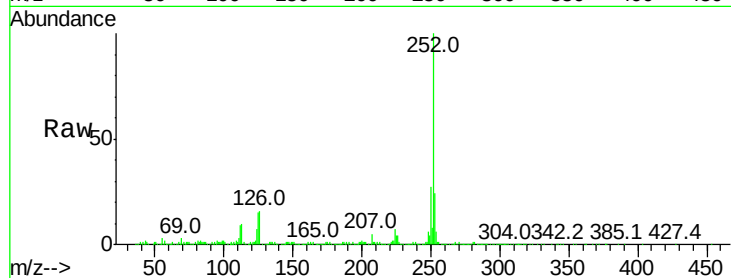
Tot Ion:252 Resp: 804438

Ion Ratio Lower Upper

252 100

253 23.7 17.0 25.4

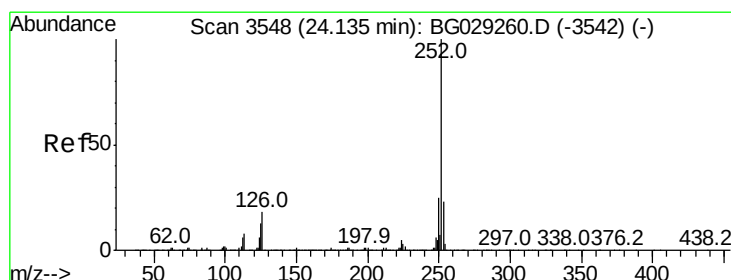
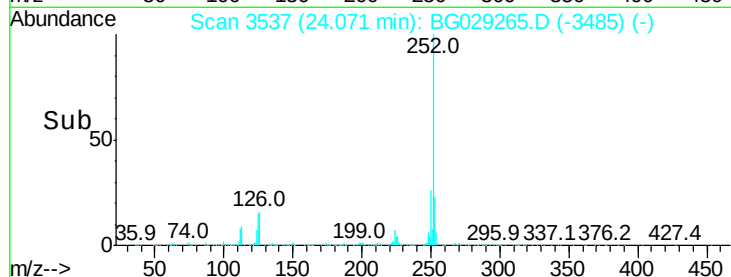
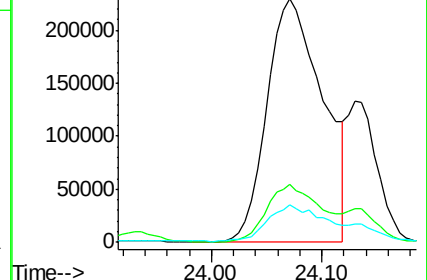
125 15.4 7.5 11.3#



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: 7.998 ng/ul

RT: 24.13 min Scan# 3547

Delta R.T. -0.01 min

Lab File: BG029265.D

Acq: 15 Oct 2017 18:54

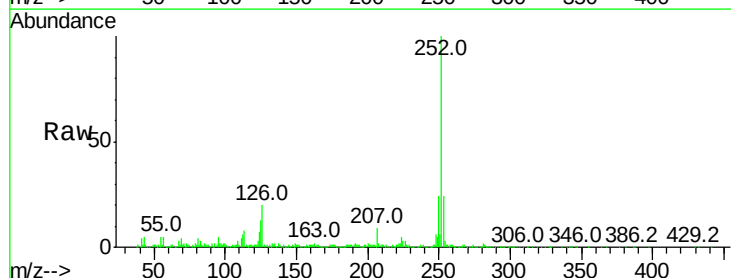
Tgt Ion:252 Resp: 249077

Ion Ratio Lower Upper

252 100

253 23.7 17.2 25.8

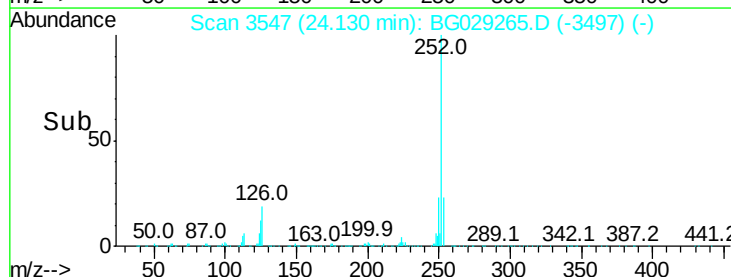
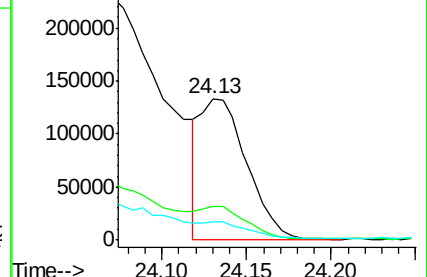
125 13.0 7.8 11.8#

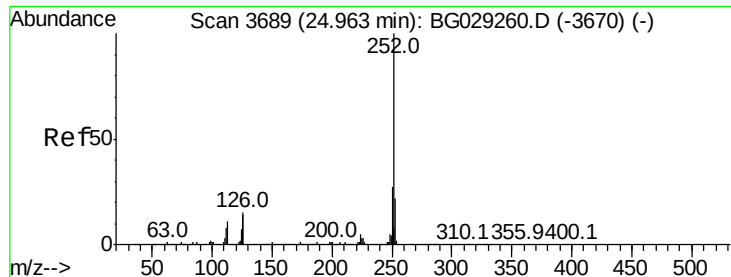


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 16.559 ng/ul

RT: 24.96 min Scan# 3689

Delta R.T. 0.00 min

Lab File: BG029265.D

Acq: 15 Oct 2017 18:54

Instrument :

BNA_G

ClientSampleId :

C0AB7DL

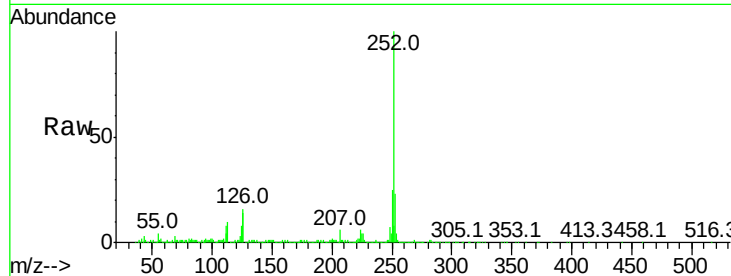
Tot Ion:252 Resp: 519190

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

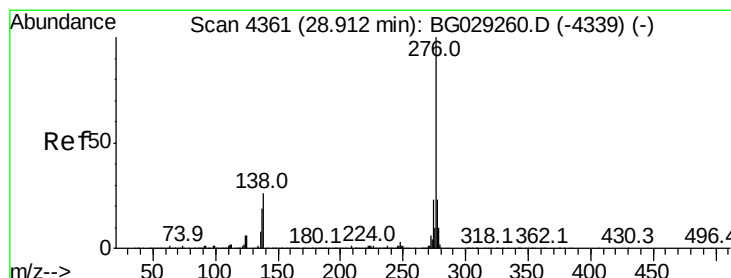
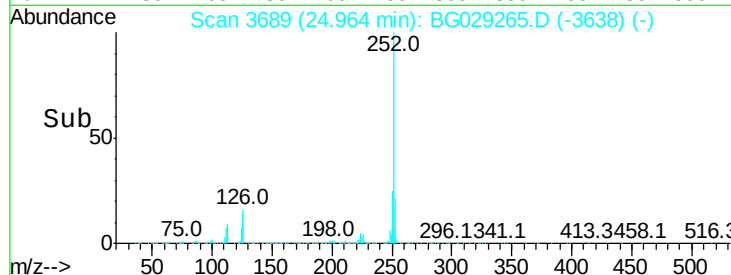
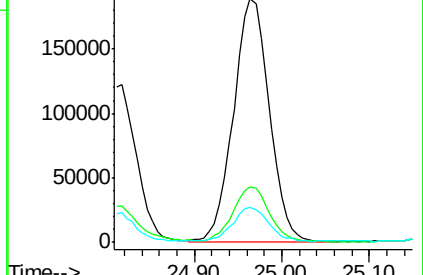
125 14.3 7.8 11.8#



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: 8.756 ng/ul

RT: 28.92 min Scan# 4362

Delta R.T. 0.01 min

Lab File: BG029265.D

Acq: 15 Oct 2017 18:54

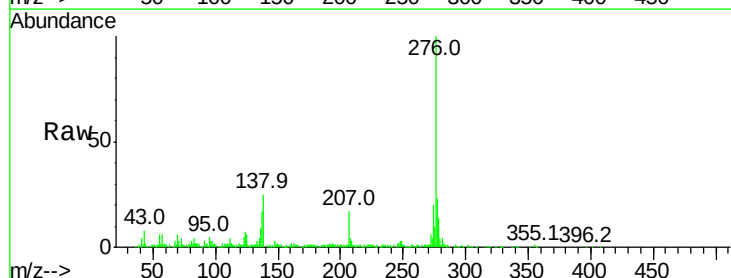
Tgt Ion:276 Resp: 310592

Ion Ratio Lower Upper

276 100

138 24.9 13.4 20.0#

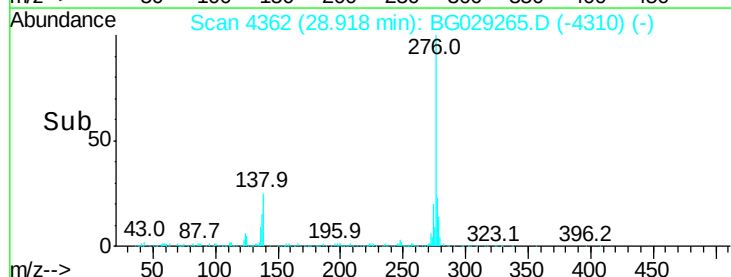
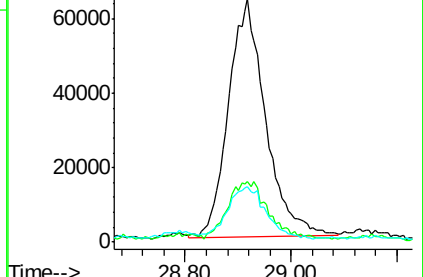
277 23.0 18.6 28.0

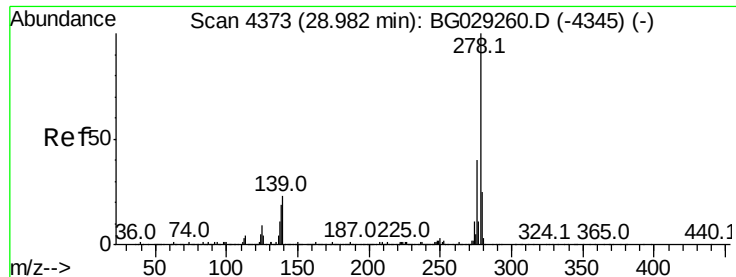


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



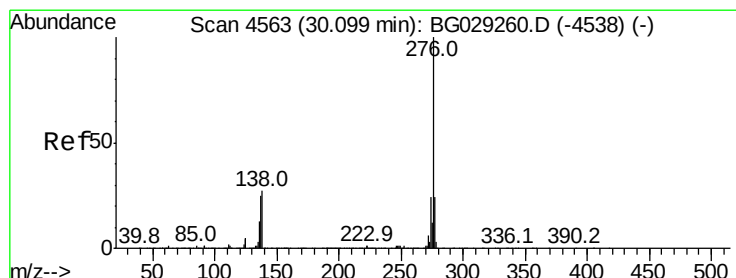
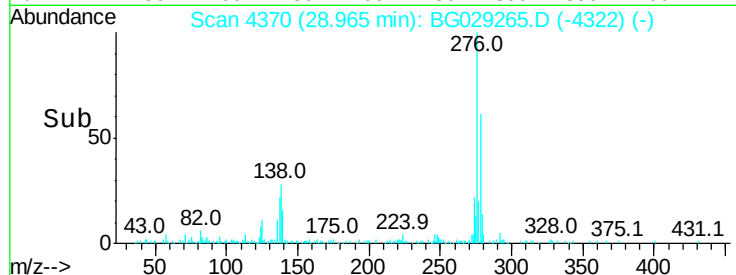
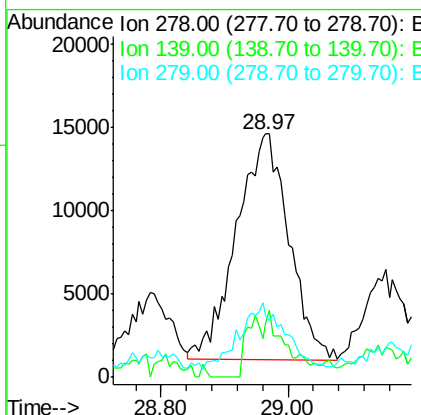
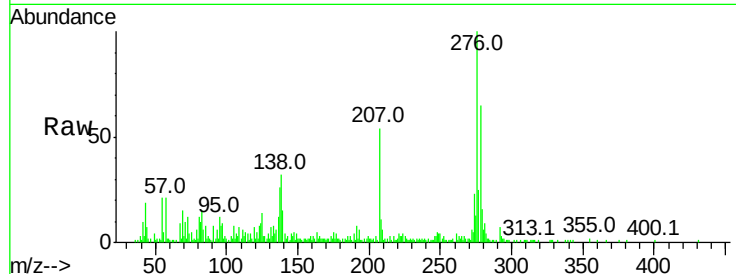


#90
Dibenzo(a,h)anthracene
Concen: 2.652 ng/ul
RT: 28.97 min Scan# 4370
Delta R.T. -0.02 min
Lab File: BG029265.D
Acq: 15 Oct 2017 18:54

Instrument :
BNA_G
ClientSampleId :
C0AB7DL

Tot Ion:278 Resp: 78138

Ion	Ratio	Lower	Upper
278	100		
139	22.5	9.4	14.2#
279	25.2	18.4	27.6



#91
Benzo(g,h,i)perylene
Concen: 8.028 ng/ul
RT: 30.09 min Scan# 4561
Delta R.T. -0.01 min
Lab File: BG029265.D
Acq: 15 Oct 2017 18:54

Tgt Ion:276 Resp: 236054

Ion	Ratio	Lower	Upper
276	100		
138	27.2	12.1	18.1#
277	25.1	17.7	26.5

