

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
 Data File : BG025136.D
 Acq On : 13 Dec 2016 5:17
 Operator : UM/SJ
 Sample : H5860-20
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA8E6

Quant Time: Dec 13 06:40:22 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 13 06:23:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	113978	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	473852	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	353189	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	687905	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	769666	20.00	ng/ul	0.00
83) Perylene-d12	25.33	264	806656	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	4296	1.95	ng/uL	0.00
5) Phenol-d5	7.39	99	143074	14.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	91098	14.98	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	101398	14.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	121937	14.84	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	54695	16.30	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	65017	15.54	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	124182	15.44	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	62327	7.88	ng/ul	0.01
43) Dimethylphthalate-d6	14.25	166	389156	16.02	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	473342	17.79	ng/ul	0.00
51) 4-Nitrophenol-d4	15.07	143	58015	13.89	ng/ul	0.01
57) Fluorene-d10	15.85	176	377036	16.49	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	68431	16.09	ng/ul	0.00
70) Anthracene-d10	17.70	188	557991	19.22	ng/ul	0.00
76) Pyrene-d10	19.98	212	639273	20.17	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.09	264	627077	19.19	ng/ul	0.01

Target Compounds

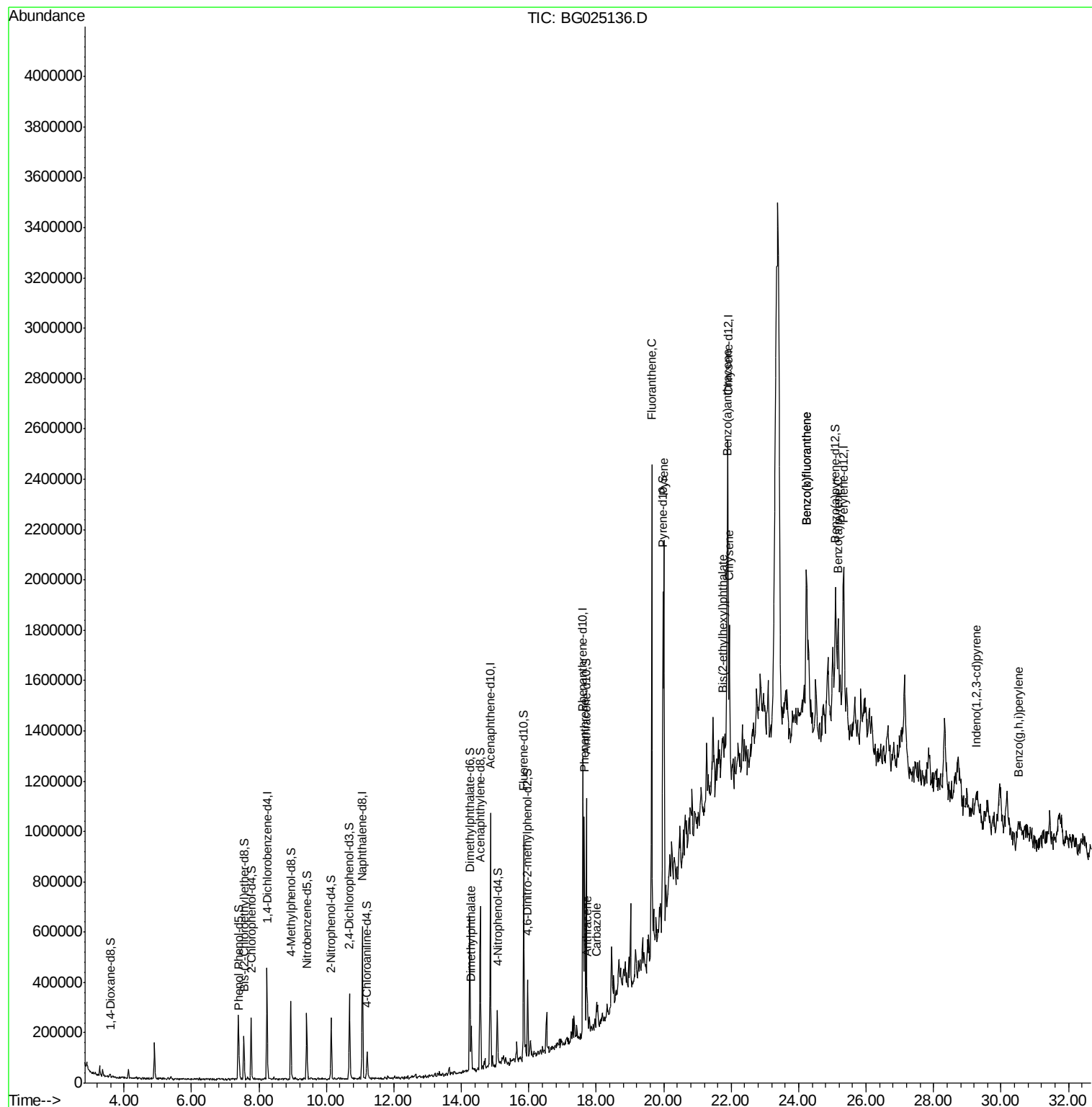
						Qvalue
6) Phenol	7.42	94	25217	2.50	ng/ul	96
44) Dimethylphthalate	14.30	163	95494	4.00	ng/ul	98
69) Phenanthrene	17.64	178	540110	16.45	ng/ul	99
71) Anthracene	17.74	178	67050	1.99	ng/ul	98
72) Carbazole	18.01	167	62059	2.20	ng/ul	99
74) Fluoranthene	19.64	202	1231599	31.57	ng/ul	99
77) Pyrene	20.01	202	961028	25.97	ng/ul	97
80) Benzo(a)anthracene	21.88	228	374745	9.37	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.73	149	23776	1.19	ng/ul#	82
82) Chrysene	21.95	228	553072	14.79	ng/ul	96
85) Benzo(b)fluoranthene	24.23	252	689212	17.23	ng/ul#	92
86) Benzo(k)fluoranthene	24.23	252	198740	5.23	ng/ul#	94
88) Benzo(a)pyrene	25.17	252	358570	9.32	ng/ul#	89
89) Indeno(1,2,3-cd)pyrene	29.28	276	239370	5.01	ng/ul	100
91) Benzo(g,h,i)perylene	30.51	276	174504	4.37	ng/ul#	98

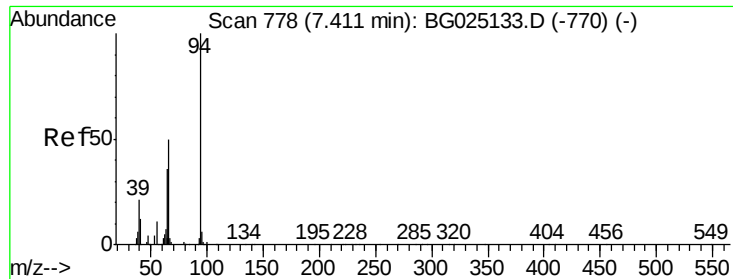
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
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Misc :
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 06:23:40 2016
Response via : Initial Calibration





#6

Phenol

Concen: 2.50 ng/ul

RT: 7.42 min Scan# 779

Delta R.T. 0.00 min

Lab File: BG025136.D

Acq: 13 Dec 2016 5:17

Instrument :

BNA_G

ClientSampleId :

DA8E6

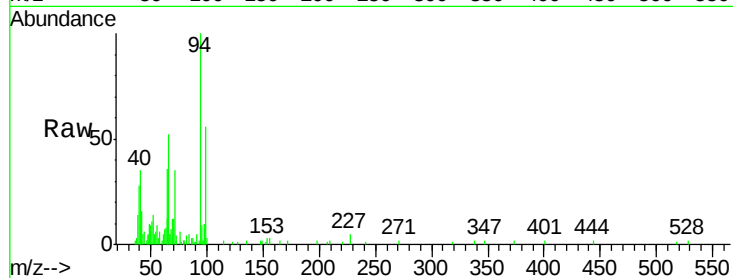
Tgt Ion: 94 Resp: 25217

Ion Ratio Lower Upper

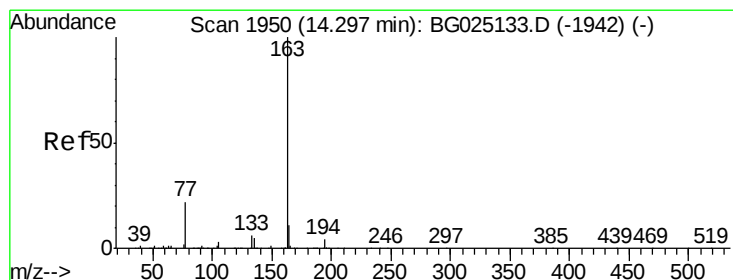
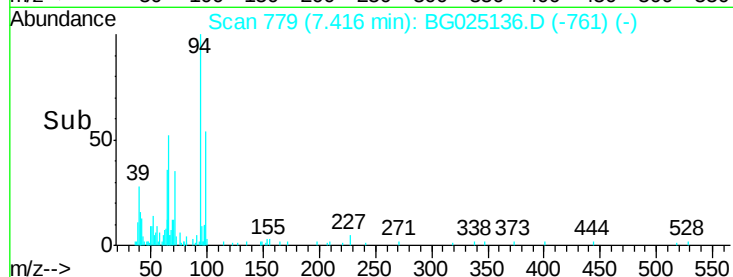
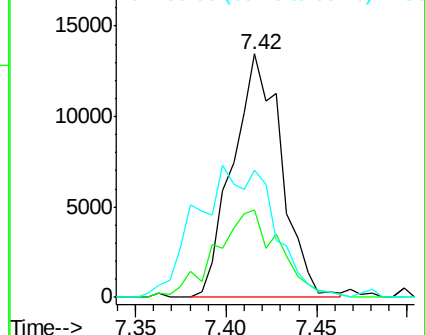
94 100

65 35.8 26.8 40.2

66 52.3 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



#44

Dimethylphthalate

Concen: 4.00 ng/ul

RT: 14.30 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BG025136.D

Acq: 13 Dec 2016 5:17

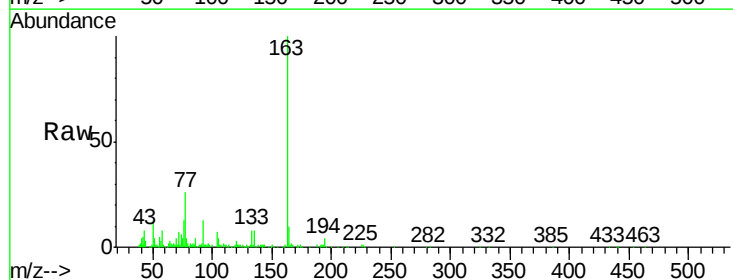
Tgt Ion: 163 Resp: 95494

Ion Ratio Lower Upper

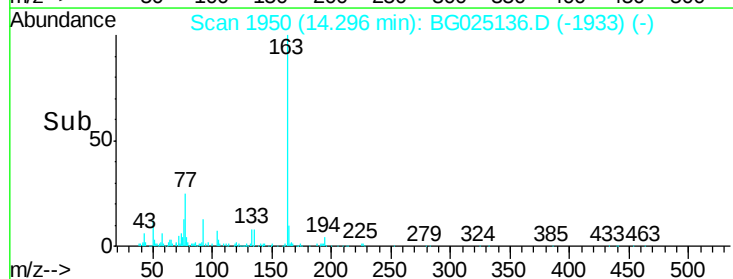
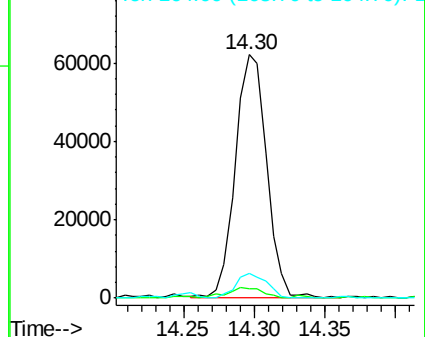
163 100

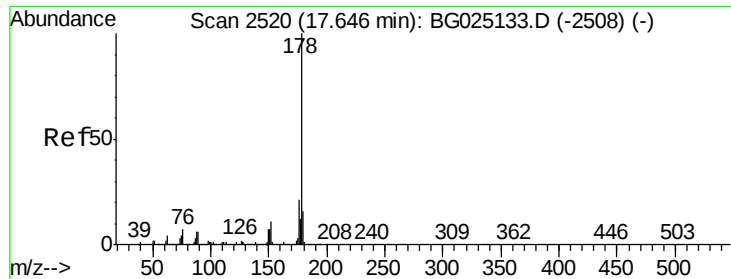
194 3.8 3.4 5.0

164 10.2 9.0 13.4



Abundance Ion 163.00 (162.70 to 163.70): BGC
Ion 194.00 (193.70 to 194.70): BGC
Ion 164.00 (163.70 to 164.70): BGC





#69

Phenanthrene

Concen: 16.45 ng/ul

RT: 17.64 min Scan# 2520

Delta R.T. -0.00 min

Lab File: BG025136.D

Acq: 13 Dec 2016 5:17

Instrument :

BNA_G

ClientSampleId :

DA8E6

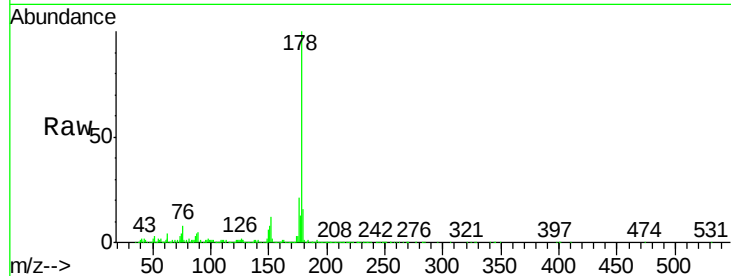
Tgt Ion:178 Resp: 540110

Ion Ratio Lower Upper

178 100

179 16.0 12.4 18.6

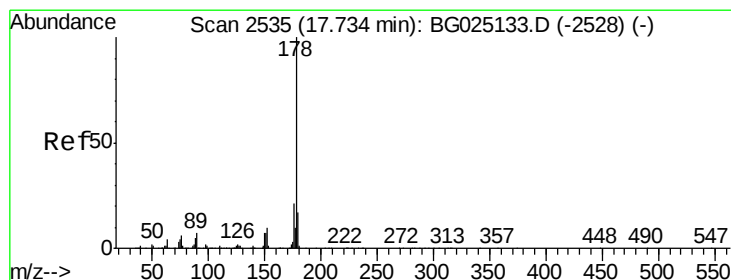
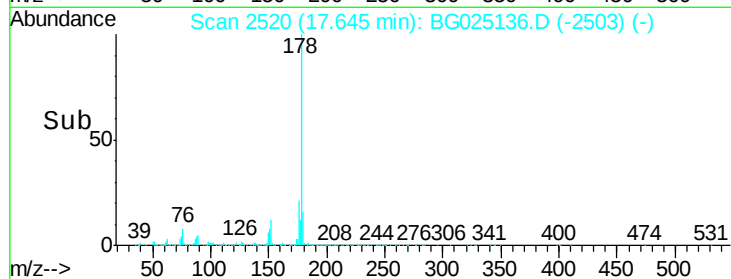
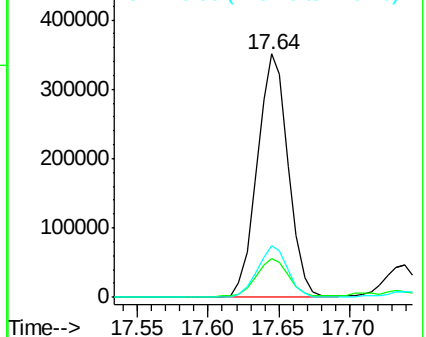
176 21.2 16.5 24.7



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: 1.99 ng/ul

RT: 17.74 min Scan# 2536

Delta R.T. 0.00 min

Lab File: BG025136.D

Acq: 13 Dec 2016 5:17

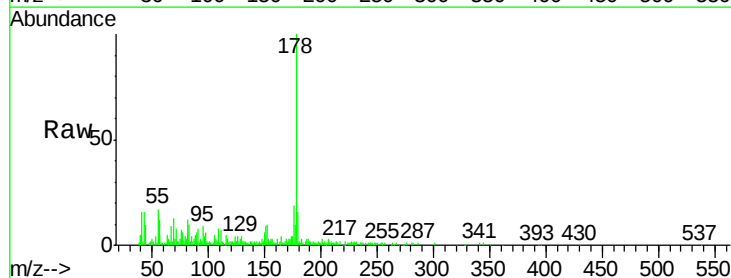
Tgt Ion:178 Resp: 67050

Ion Ratio Lower Upper

178 100

179 16.2 12.6 19.0

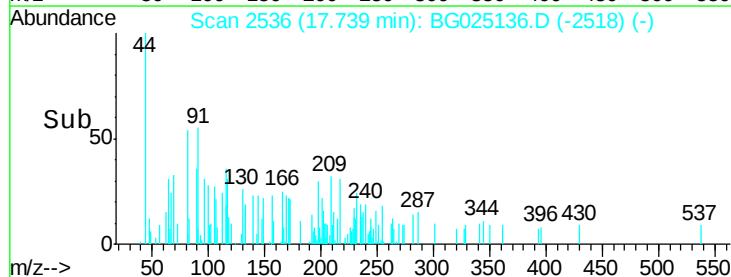
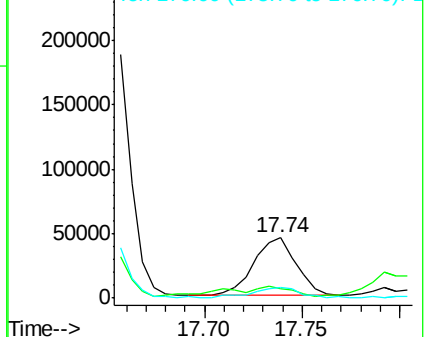
176 18.5 15.9 23.9

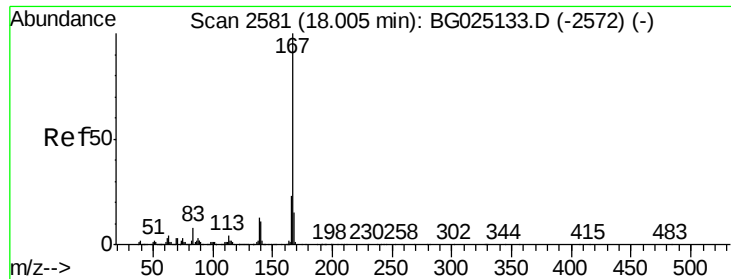


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 2.20 ng/ul

RT: 18.01 min Scan# 2582

Delta R.T. 0.00 min

Lab File: BG025136.D

Acq: 13 Dec 2016 5:17

Instrument :

BNA_G

ClientSampleId :

DA8E6

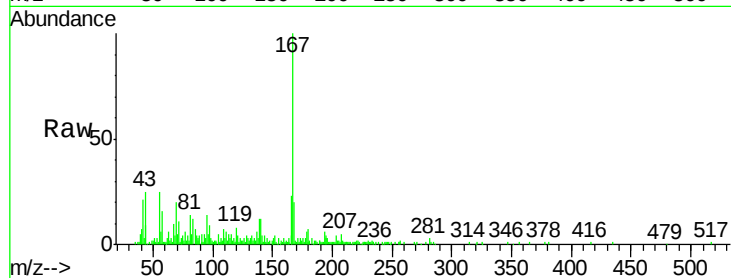
Tgt Ion:167 Resp: 62059

Ion Ratio Lower Upper

167 100

166 22.6 17.9 26.9

139 12.0 10.5 15.7

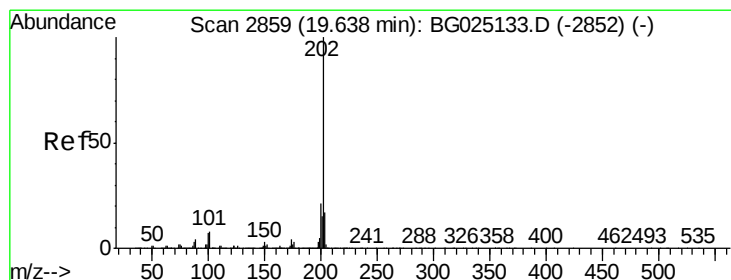
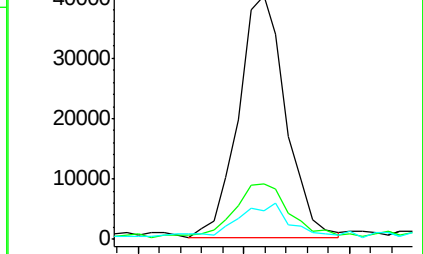
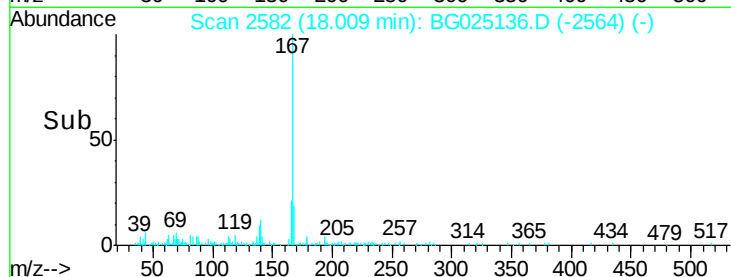


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

18.01



#74

Fluoranthene

Concen: 31.57 ng/ul

RT: 19.64 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BG025136.D

Acq: 13 Dec 2016 5:17

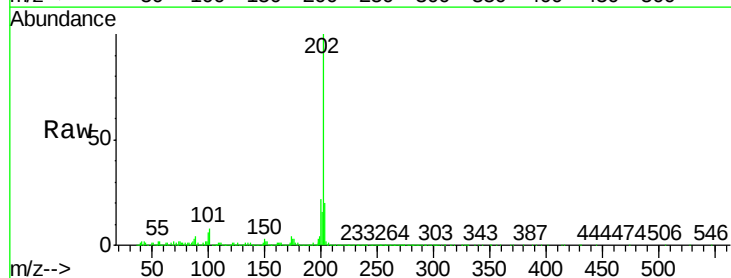
Tgt Ion:202 Resp: 1231599

Ion Ratio Lower Upper

202 100

101 8.2 6.2 9.2

100 6.2 5.2 7.8

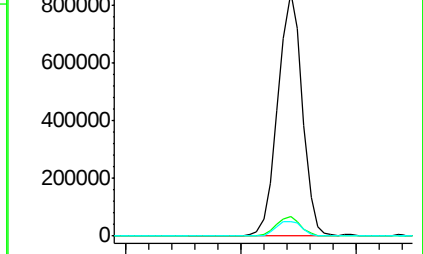
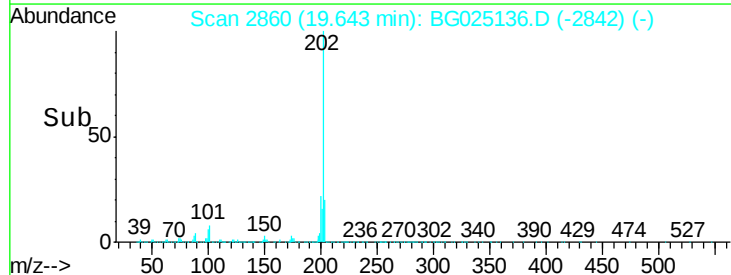


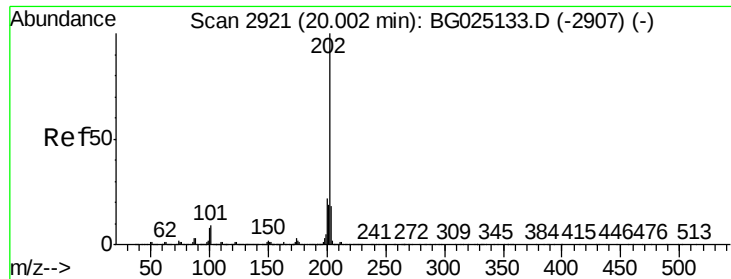
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

19.64





#77

Pyrene

Concen: 25.97 ng/ul

RT: 20.01 min Scan# 2922

Delta R.T. 0.00 min

Lab File: BG025136.D

Acq: 13 Dec 2016 5:17

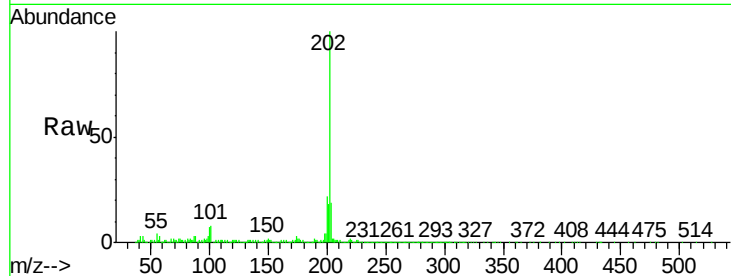
Instrument :

BNA_G

ClientSampleId :

DA8E6

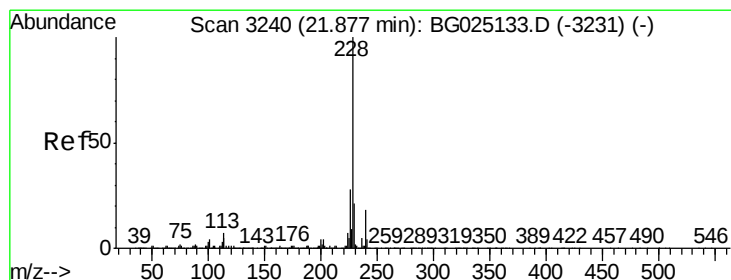
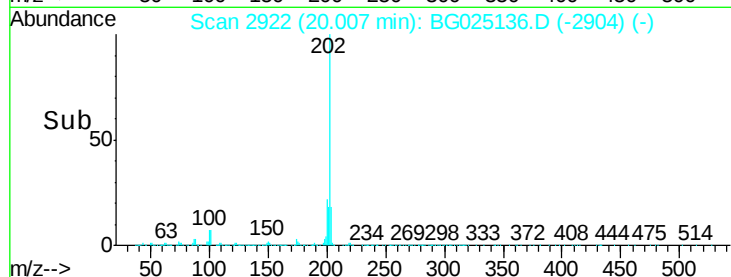
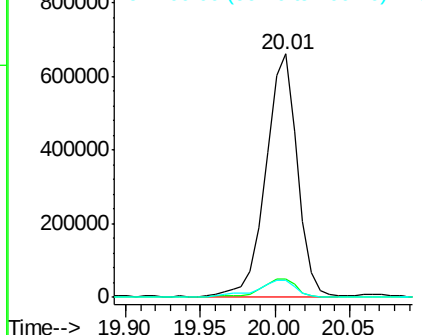
Tgt Ion:	202	Resp:	961028
Ion Ratio	Lower	Upper	
202	100		
101	7.5	6.9	10.3
100	7.0	6.6	10.0



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): B



#80

Benzo(a)anthracene

Concen: 9.37 ng/ul

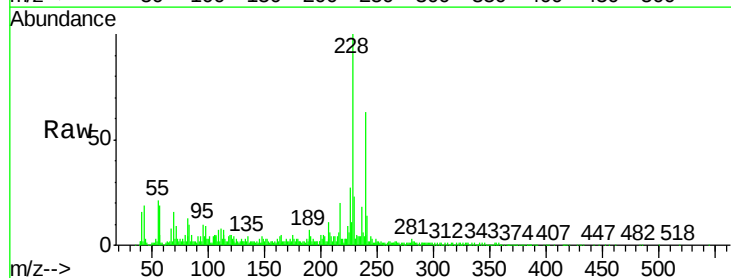
RT: 21.88 min Scan# 3241

Delta R.T. 0.00 min

Lab File: BG025136.D

Acq: 13 Dec 2016 5:17

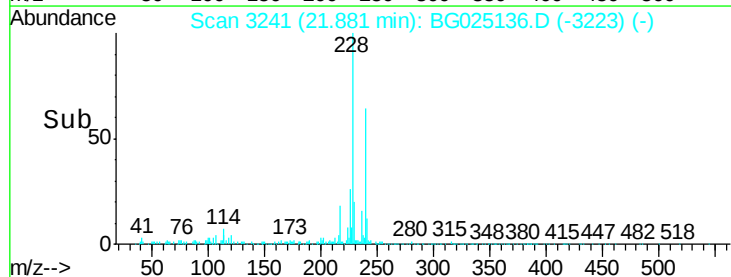
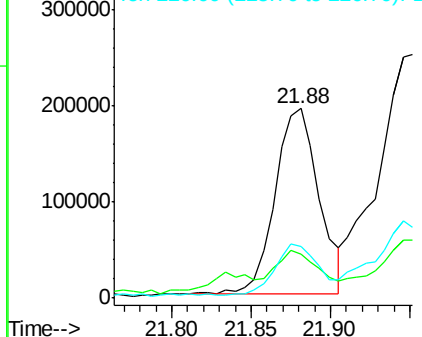
Tgt Ion:	228	Resp:	374745
Ion Ratio	Lower	Upper	
228	100		
229	23.4	16.3	24.5
226	27.3	21.9	32.9

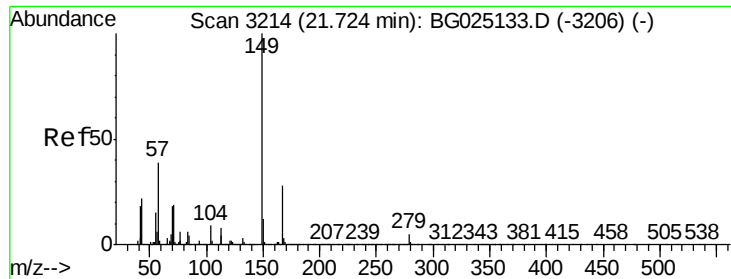


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

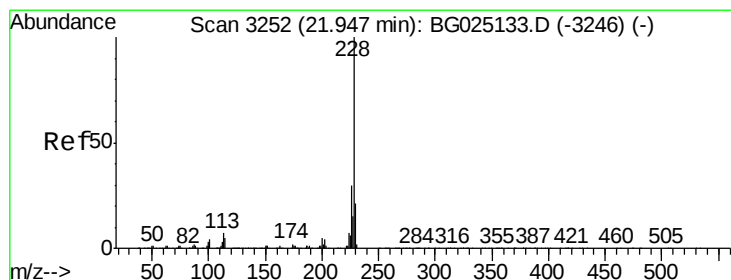
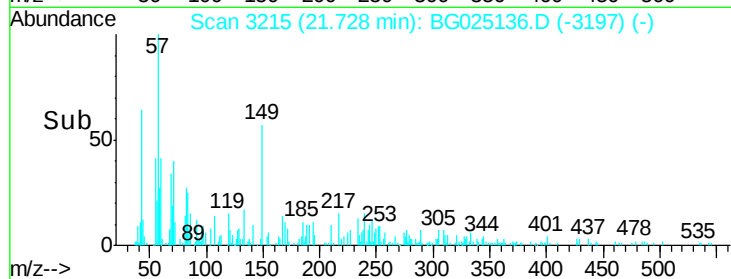
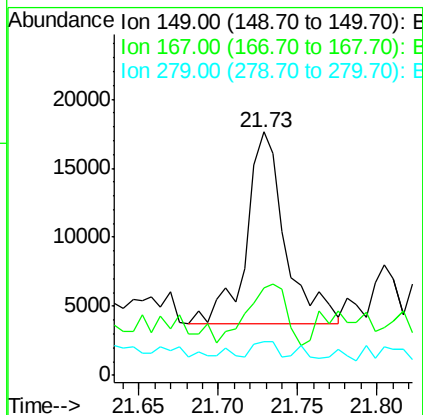
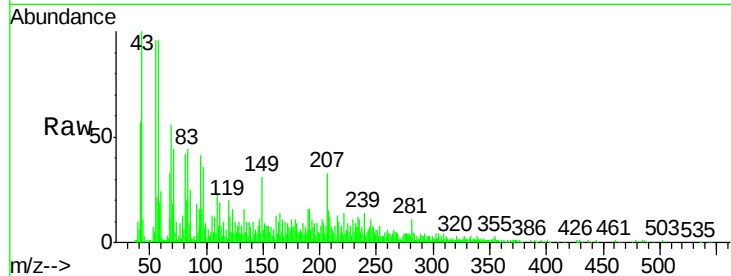




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 1.19 ng/ul
 RT: 21.73 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: BG025136.D
 Acq: 13 Dec 2016 5:17

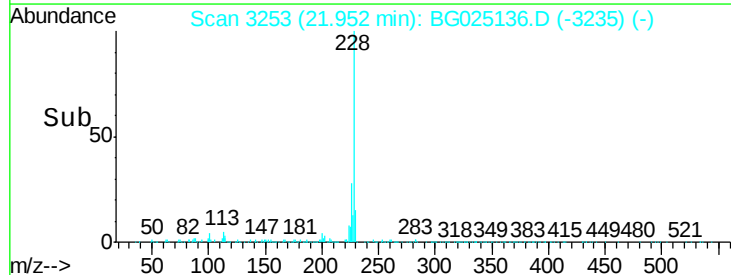
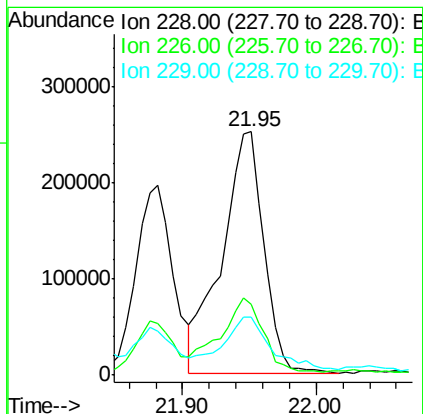
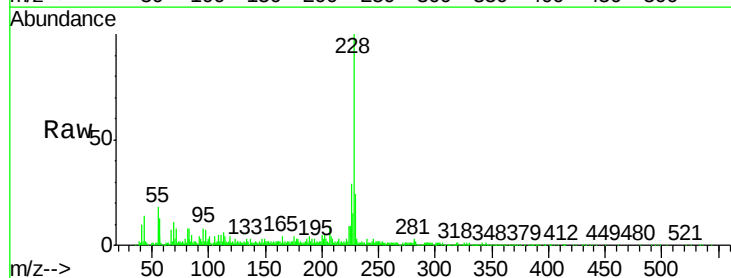
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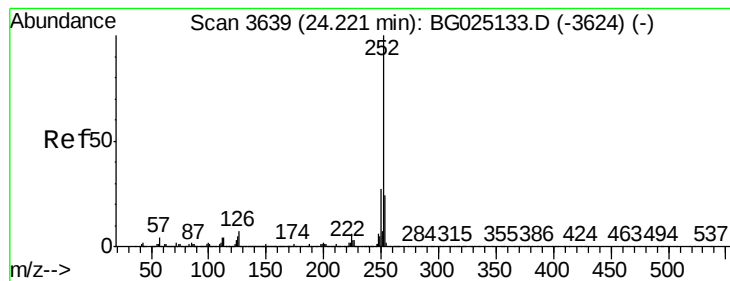
Tgt Ion	Ratio	Lower	Upper
149	100		
167	36.1	21.8	32.8#
279	14.1	4.5	6.7#



#82
 Chrysene
 Concen: 14.79 ng/ul
 RT: 21.95 min Scan# 3253
 Delta R.T. 0.00 min
 Lab File: BG025136.D
 Acq: 13 Dec 2016 5:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.0	36.0
229	23.9	16.9	25.3





#85

Benzo(b)fluoranthene

Concen: 17.23 ng/ul

RT: 24.23 min Scan# 3640

Delta R.T. 0.00 min

Lab File: BG025136.D

Acq: 13 Dec 2016 5:17

Instrument :

BNA_G

ClientSampleId :

DA8E6

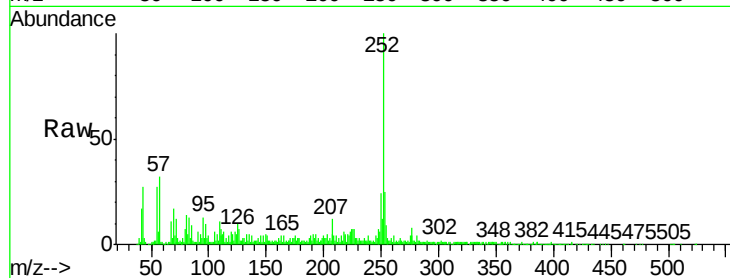
Tgt Ion:252 Resp: 689212

Ion Ratio Lower Upper

252 100

253 25.3 17.7 26.5

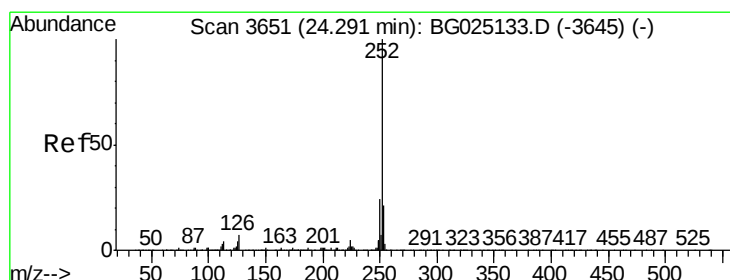
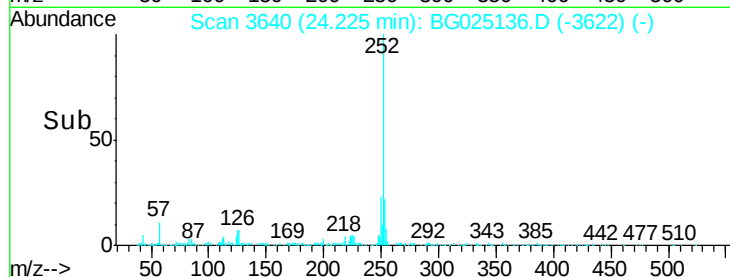
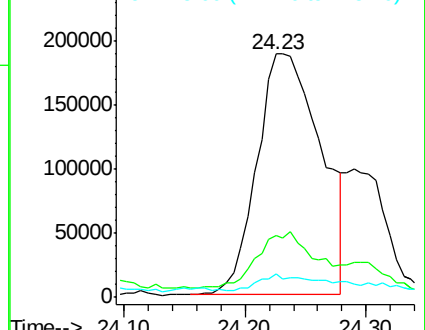
125 9.6 4.0 6.0#



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



#86

Benzo(k)fluoranthene

Concen: 5.23 ng/ul

RT: 24.23 min Scan# 3640

Delta R.T. -0.07 min

Lab File: BG025136.D

Acq: 13 Dec 2016 5:17

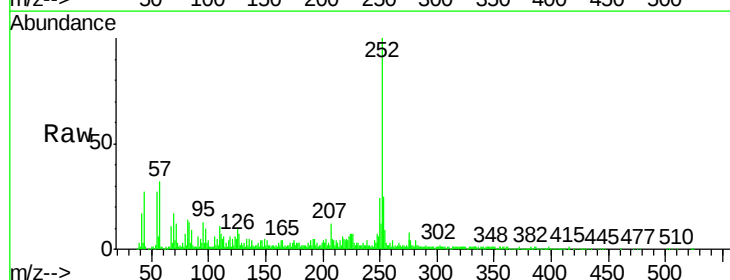
Tgt Ion:252 Resp: 198740

Ion Ratio Lower Upper

252 100

253 25.3 18.5 27.7

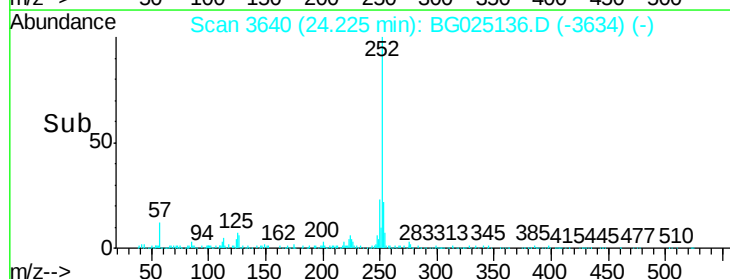
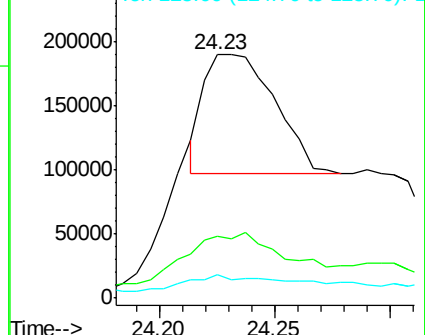
125 9.6 4.1 6.1#

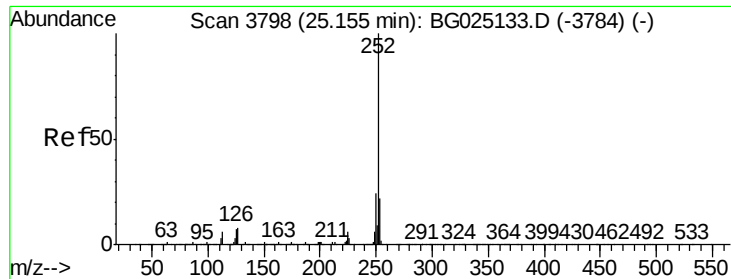


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 9.32 ng/ul

RT: 25.17 min Scan# 3800

Delta R.T. 0.01 min

Lab File: BG025136.D

Acq: 13 Dec 2016 5:17

Instrument :

BNA_G

ClientSampleId :

DA8E6

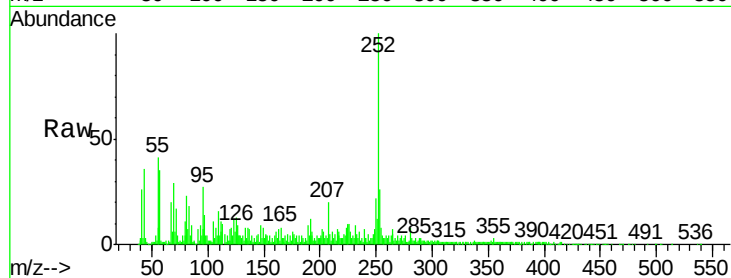
Tgt Ion:252 Resp: 358570

Ion Ratio Lower Upper

252 100

253 26.2 17.8 26.6

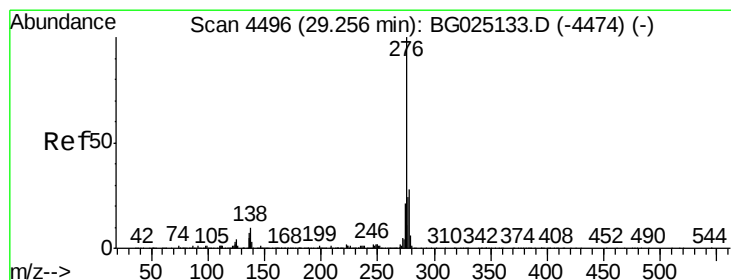
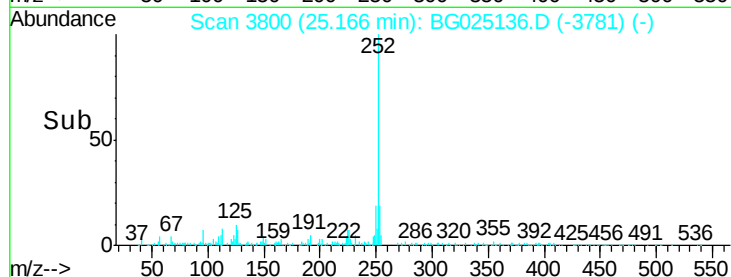
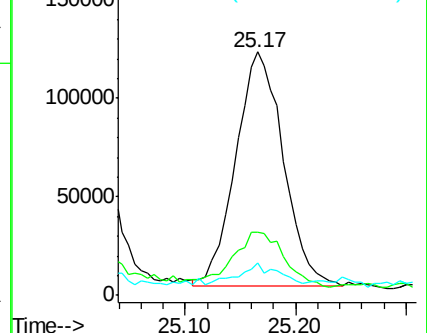
125 13.2 5.4 8.0#



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: 5.01 ng/ul

RT: 29.28 min Scan# 4500

Delta R.T. 0.02 min

Lab File: BG025136.D

Acq: 13 Dec 2016 5:17

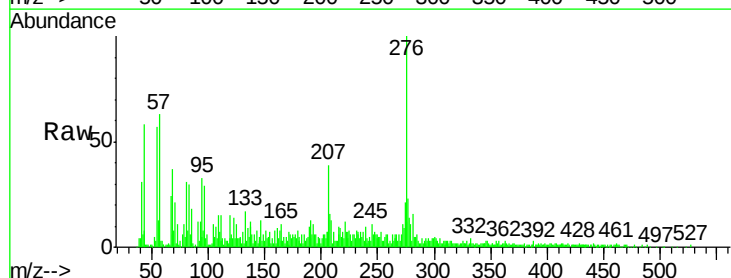
Tgt Ion:276 Resp: 239370

Ion Ratio Lower Upper

276 100

138 10.3 8.2 12.4

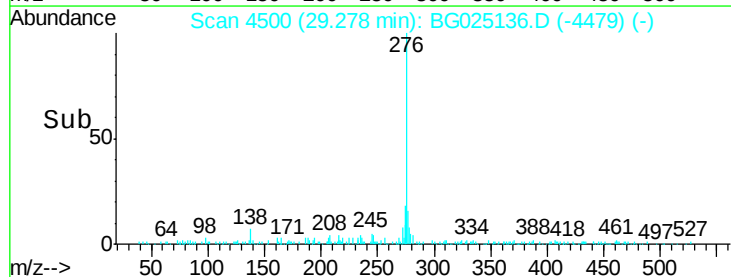
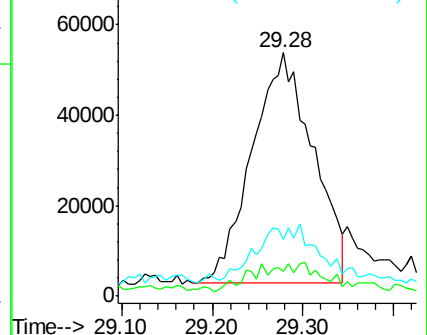
277 23.2 18.6 28.0

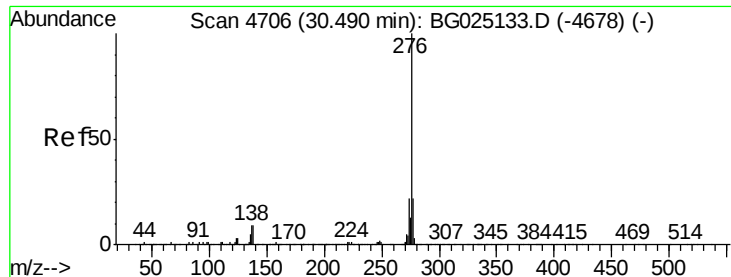


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#91

Benzo(g,h,i)perylene

Concen: 4.37 ng/ul

RT: 30.51 min Scan# 4710

Delta R.T. 0.02 min

Lab File: BG025136.D

Acq: 13 Dec 2016 5:17

Instrument :

BNA_G

ClientSampleId :

DA8E6

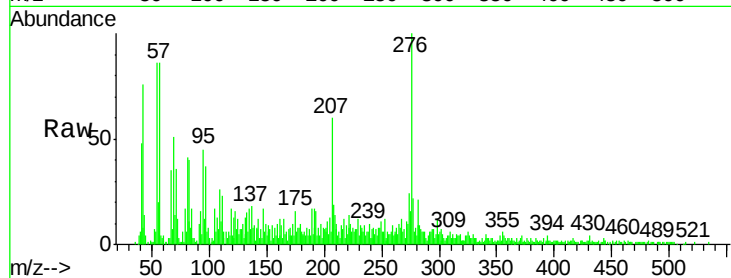
Tgt Ion: 276 Resp: 174504

Ion Ratio Lower Upper

276 100

138 8.0 8.6 12.8#

277 22.1 17.6 26.4



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

