

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121216\
 Data File : BG025116.D
 Acq On : 12 Dec 2016 16:07
 Operator : UM/SJ
 Sample : H5860-13 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA8E0

Quant Time: Dec 13 00:32:52 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 13 00:29:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	86348	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	378096	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	300949	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	632787	20.00	ng/ul	0.00
75) Chrysene-d12	21.89	240	726399	20.00	ng/ul	0.00
83) Perylene-d12	25.31	264	751024	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	1288	0.77	ng/uL	0.00
5) Phenol-d5	7.38	99	34735	4.66	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	21412	4.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	23702	4.55	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	26926	4.33	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	14322	5.35	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	12764	3.82	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	26641	4.15	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	15088	2.39	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	95397	4.61	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	107627	4.75	ng/ul	0.00
51) 4-Nitrophenol-d4	15.07	143	8682	2.44	ng/ul	0.02
57) Fluorene-d10	15.85	176	97620	5.01	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	10064	2.57	ng/ul	0.00
70) Anthracene-d10	17.70	188	137450	5.15	ng/ul	0.00
76) Pyrene-d10	19.97	212	161450	5.40	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.07	264	153619	5.05	ng/ul	0.00

Target Compounds

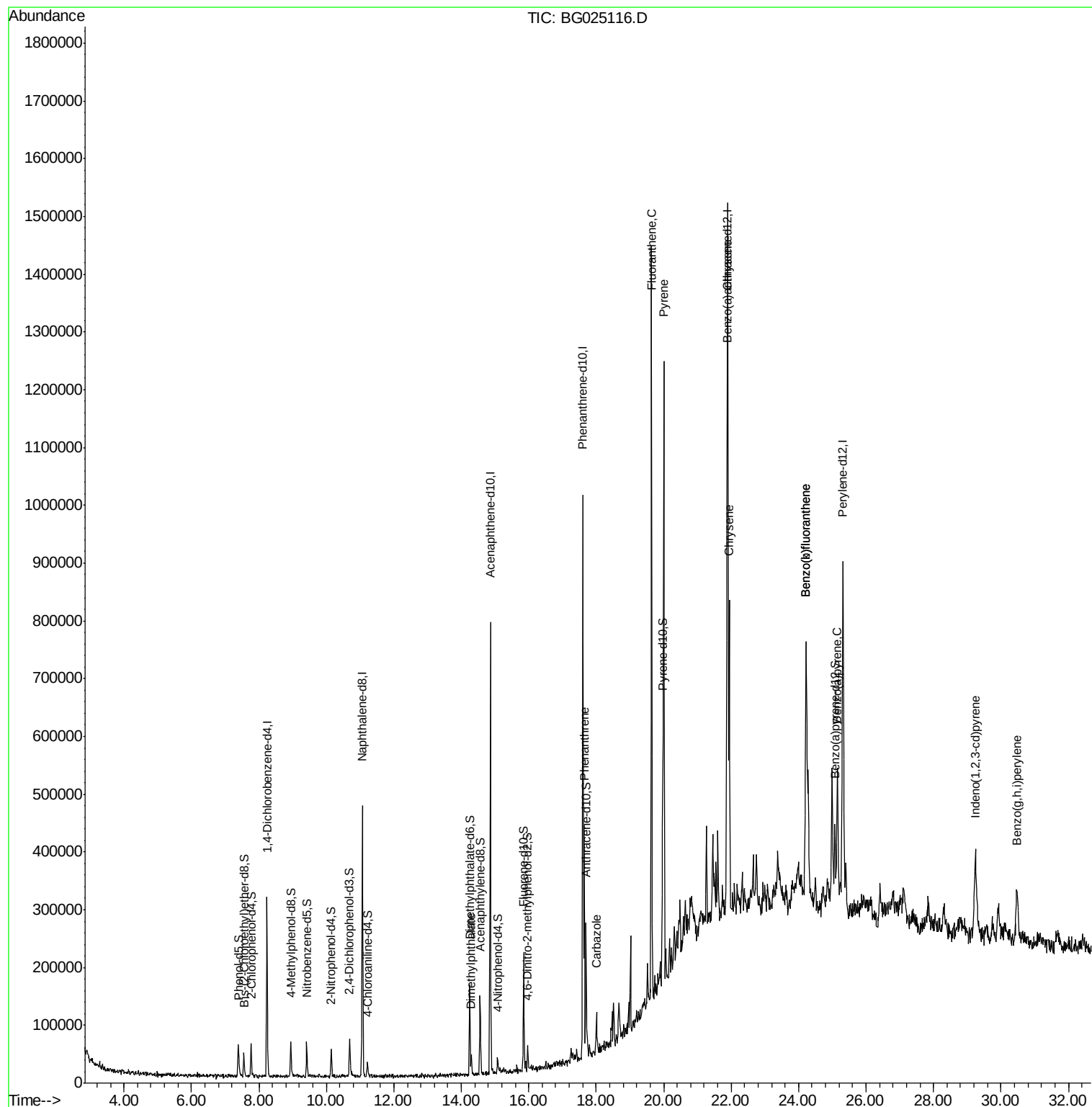
						Qvalue
44) Dimethylphthalate	14.30	163	20860	1.03	ng/ul#	93
69) Phenanthrene	17.65	178	259707	8.60	ng/ul	95
72) Carbazole	18.00	167	45969	1.77	ng/ul#	86
74) Fluoranthene	19.64	202	899418	25.06	ng/ul	99
77) Pyrene	20.00	202	702406	20.12	ng/ul	98
80) Benzo(a)anthracene	21.88	228	309606	8.20	ng/ul	99
82) Chrysene	21.94	228	428345	12.13	ng/ul	96
85) Benzo(b)fluoranthene	24.22	252	569449	15.29	ng/ul	99
86) Benzo(k)fluoranthene	24.22	252	193286	5.46	ng/ul	100
88) Benzo(a)pyrene	25.16	252	280374	7.83	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	29.23	276	104001	2.34	ng/ul	98
91) Benzo(g,h,i)perylene	30.47	276	203816	5.49	ng/ul#	98

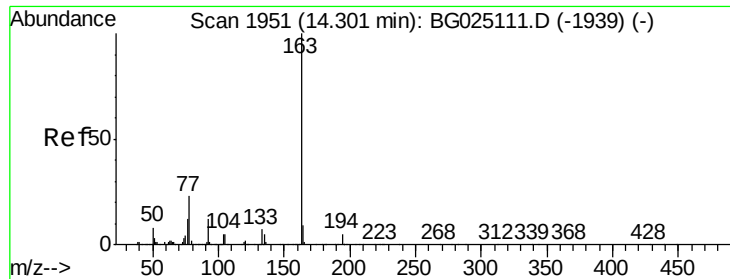
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 13 00:29:17 2016
Response via : Initial Calibration





#44

Dimethylphthalate

Concen: 1.03 ng/ul

RT: 14.30 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BG025116.D

Acq: 12 Dec 2016 16:07

Instrument :

BNA_G

ClientSampleId :

DA8E0

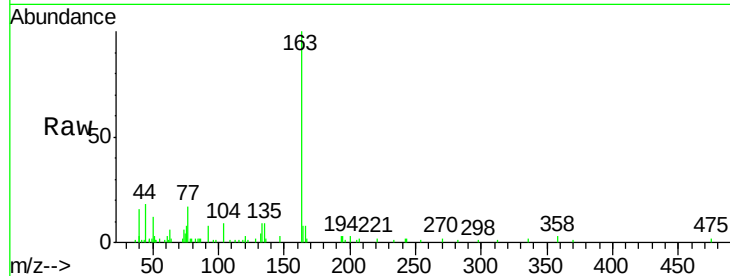
Tgt Ion:163 Resp: 20860

Ion Ratio Lower Upper

163 100

194 5.5 3.4 5.0#

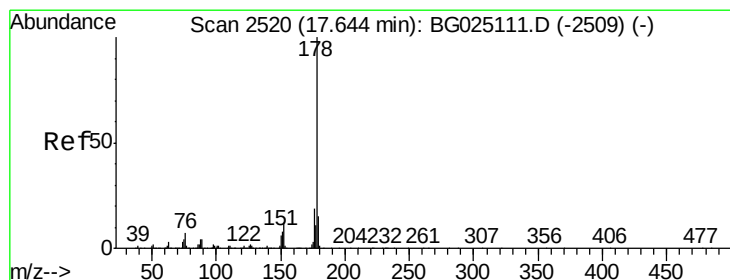
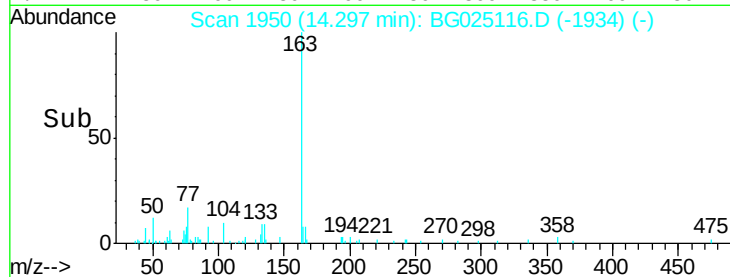
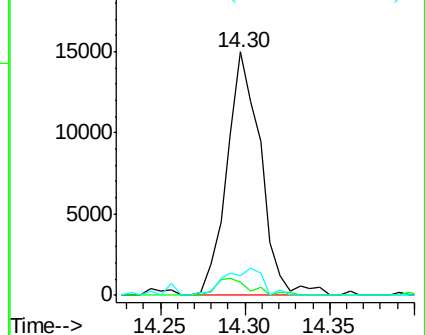
164 8.0 9.0 13.4#



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



#69

Phenanthrene

Concen: 8.60 ng/ul

RT: 17.65 min Scan# 2520

Delta R.T. 0.00 min

Lab File: BG025116.D

Acq: 12 Dec 2016 16:07

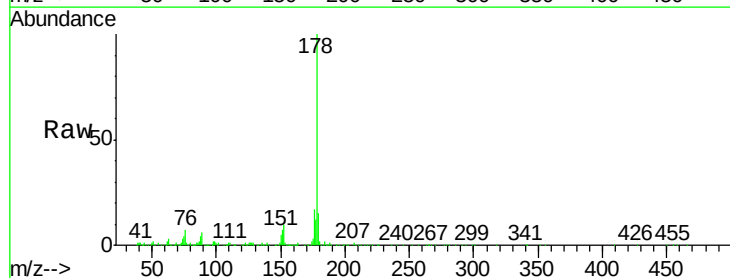
Tgt Ion:178 Resp: 259707

Ion Ratio Lower Upper

178 100

179 14.9 12.4 18.6

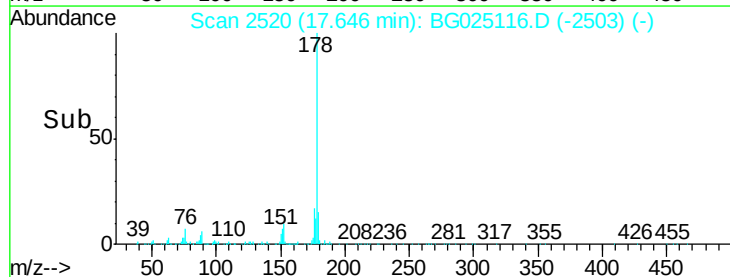
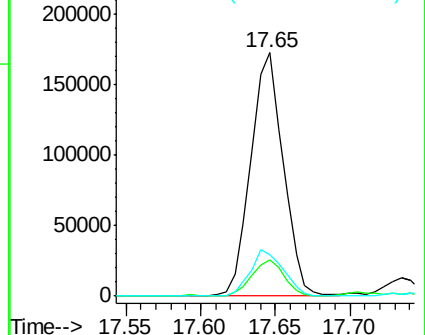
176 17.2 16.5 24.7

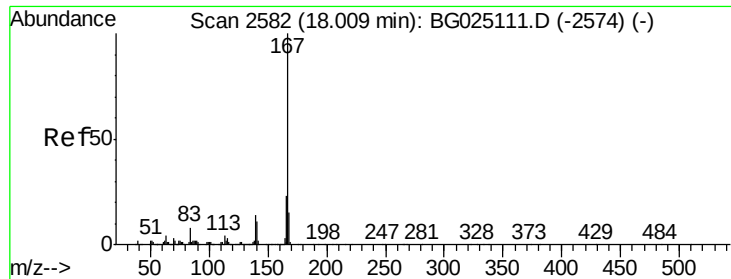


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.77 ng/ul

RT: 18.00 min Scan# 2581

Delta R.T. -0.00 min

Lab File: BG025116.D

Acq: 12 Dec 2016 16:07

Instrument :

BNA_G

ClientSampleId :

DA8E0

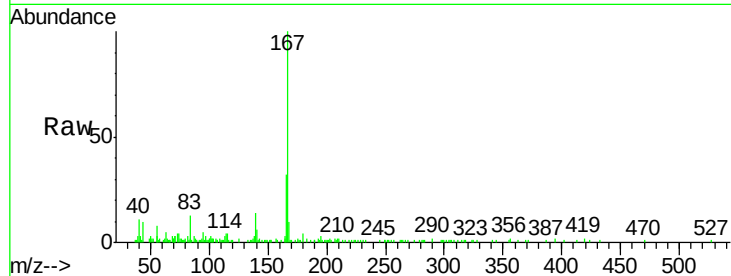
Tgt Ion:167 Resp: 45969

Ion Ratio Lower Upper

167 100

166 32.3 17.9 26.9#

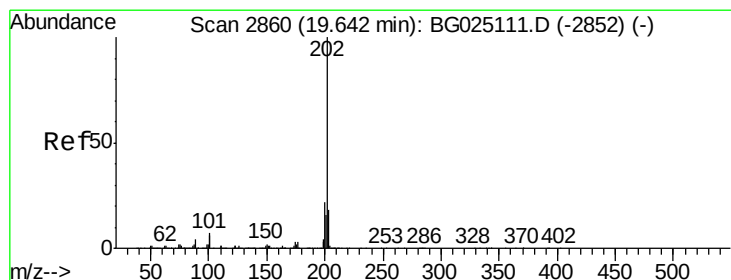
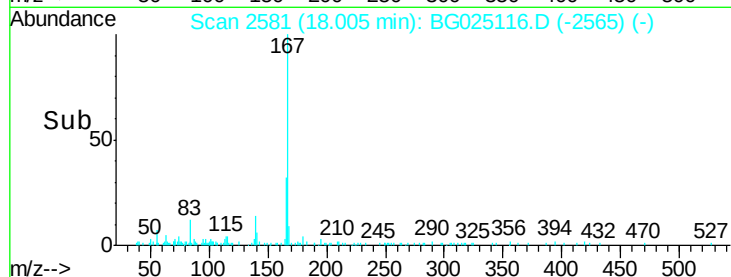
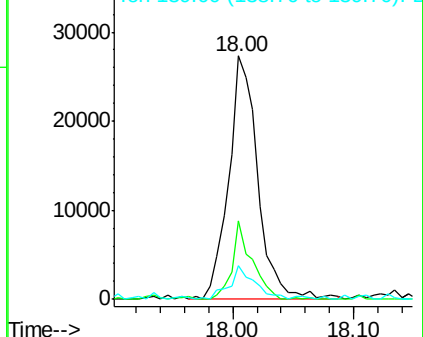
139 14.1 10.5 15.7



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: 25.06 ng/ul

RT: 19.64 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG025116.D

Acq: 12 Dec 2016 16:07

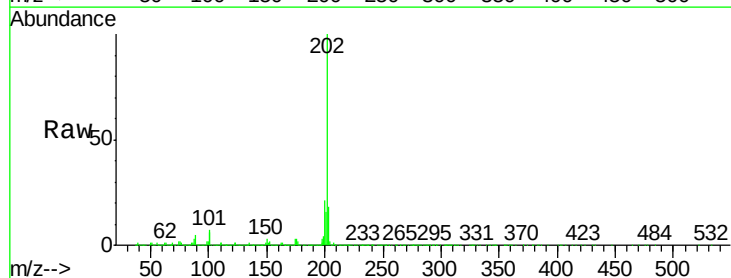
Tgt Ion:202 Resp: 899418

Ion Ratio Lower Upper

202 100

101 7.2 6.2 9.2

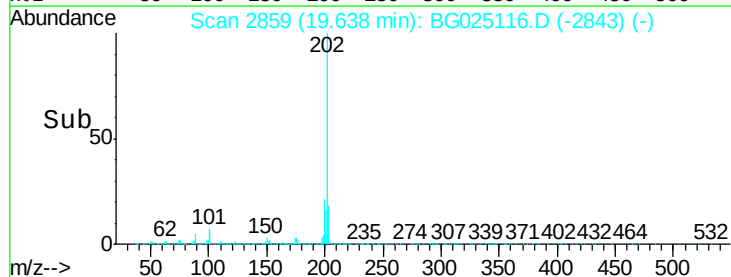
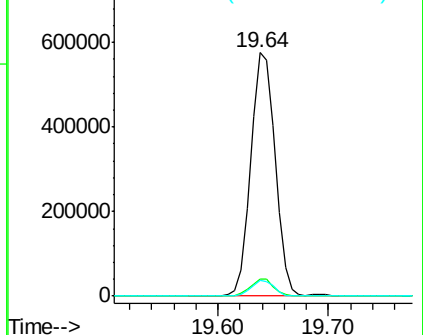
100 6.3 5.2 7.8

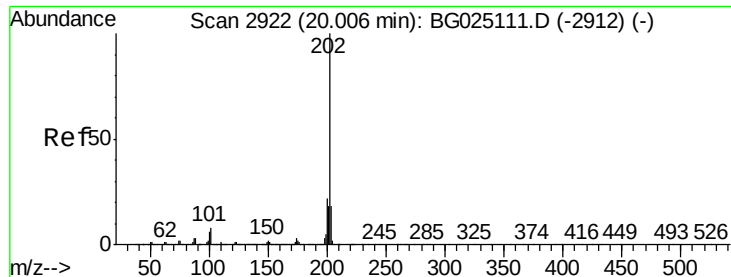


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 20.12 ng/ul

RT: 20.00 min Scan# 2921

Delta R.T. -0.00 min

Lab File: BG025116.D

Acq: 12 Dec 2016 16:07

Instrument :

BNA_G

ClientSampleId :

DA8E0

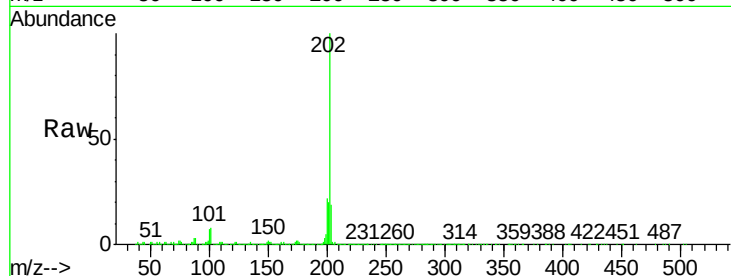
Tgt Ion:202 Resp: 702406

Ion Ratio Lower Upper

202 100

101 8.3 6.9 10.3

100 7.0 6.6 10.0

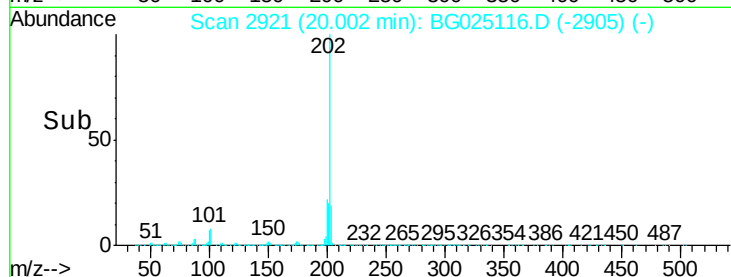


Abundance Ion 202.00 (201.70 to 202.70): E

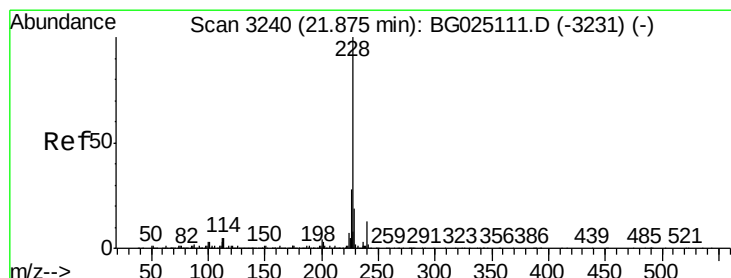
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

Time-->



Time-->



#80

Benzo(a)anthracene

Concen: 8.20 ng/ul

RT: 21.88 min Scan# 3240

Delta R.T. 0.00 min

Lab File: BG025116.D

Acq: 12 Dec 2016 16:07

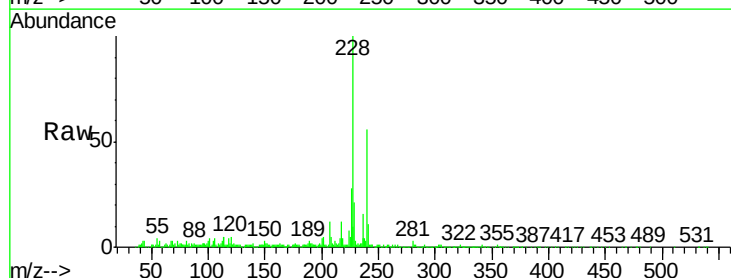
Tgt Ion:228 Resp: 309606

Ion Ratio Lower Upper

228 100

229 21.1 16.3 24.5

226 28.0 21.9 32.9

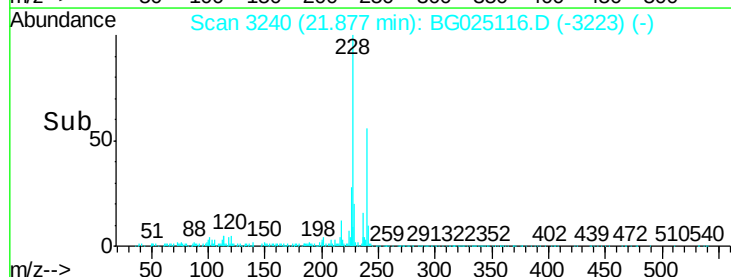


Abundance Ion 228.00 (227.70 to 228.70): E

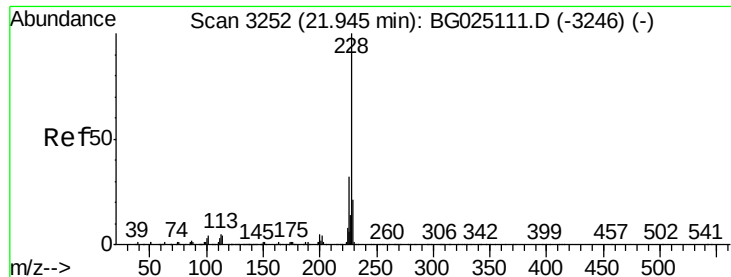
Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

Time-->



Time-->



#82

Chrysene

Concen: 12.13 ng/ul

RT: 21.94 min Scan# 3251

Delta R.T. -0.00 min

Lab File: BG025116.D

Acq: 12 Dec 2016 16:07

Instrument :

BNA_G

ClientSampleId :

DA8E0

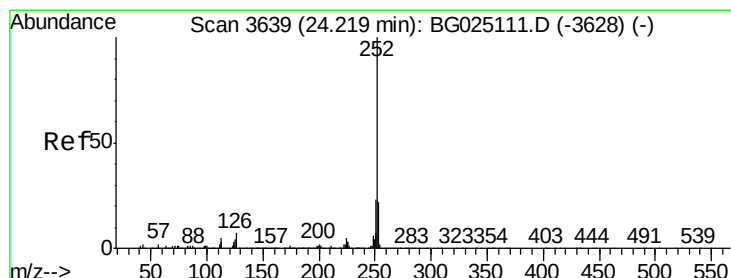
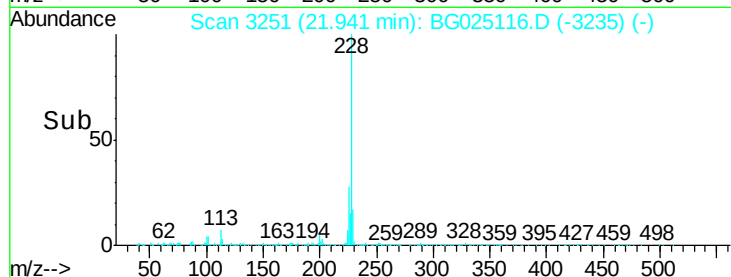
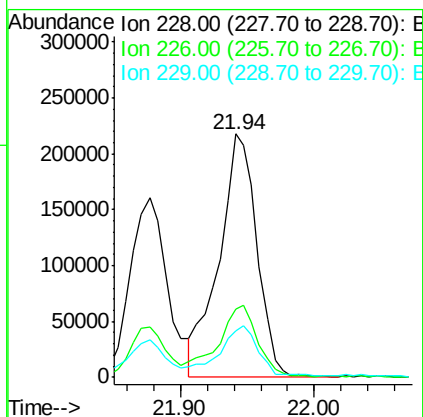
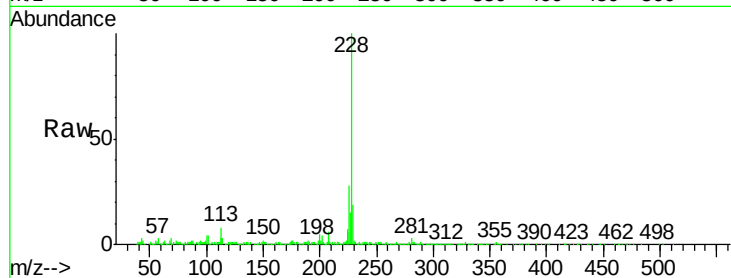
Tgt Ion:228 Resp: 428345

Ion Ratio Lower Upper

228 100

226 28.0 24.0 36.0

229 19.4 16.9 25.3



#85

Benzo(b)fluoranthene

Concen: 15.29 ng/ul

RT: 24.22 min Scan# 3639

Delta R.T. 0.00 min

Lab File: BG025116.D

Acq: 12 Dec 2016 16:07

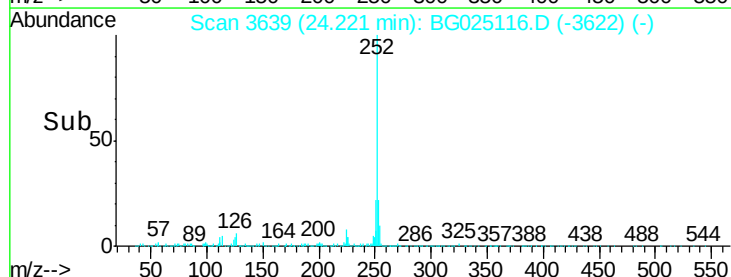
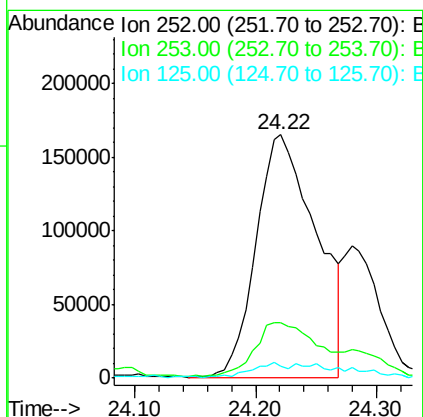
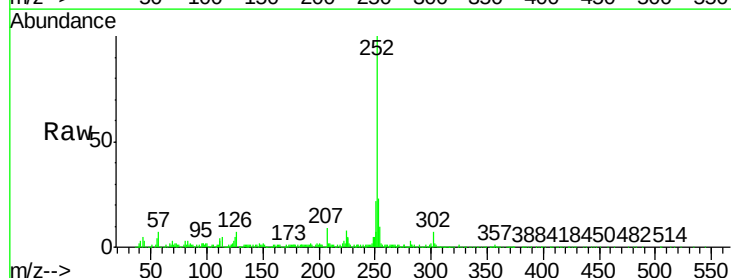
Tgt Ion:252 Resp: 569449

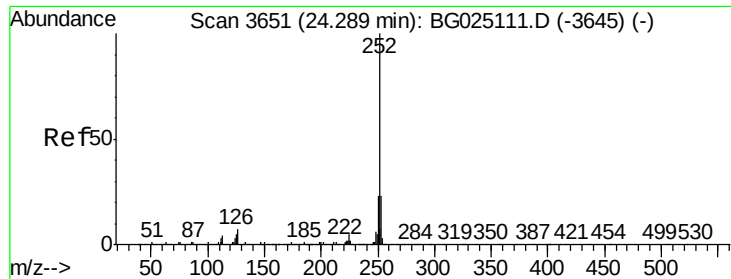
Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

125 4.9 4.0 6.0





#86

Benzo(k)fluoranthene

Concen: 5.46 ng/ul

RT: 24.22 min Scan# 3639

Delta R.T. -0.07 min

Lab File: BG025116.D

Acq: 12 Dec 2016 16:07

Instrument :

BNA_G

ClientSampleId :

DA8E0

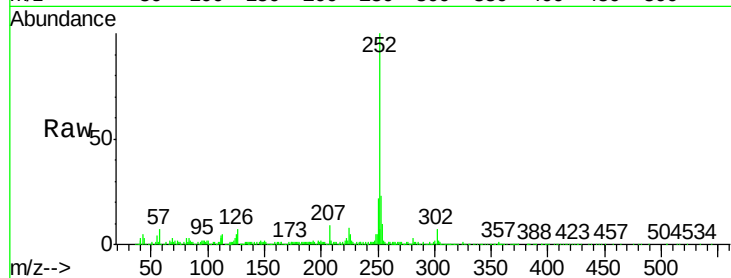
Tgt Ion:252 Resp: 193286

Ion Ratio Lower Upper

252 100

253 22.9 18.5 27.7

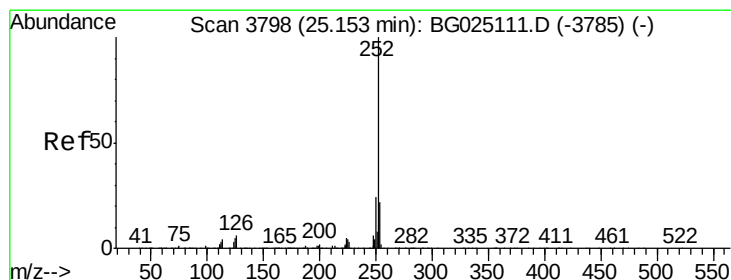
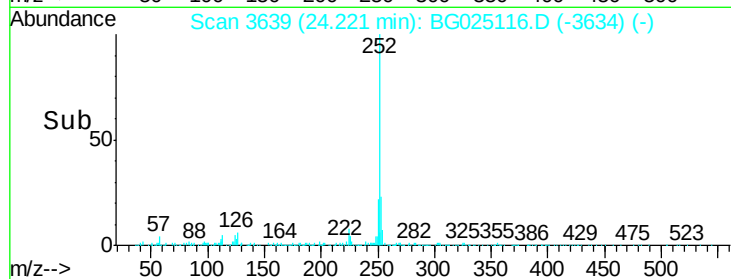
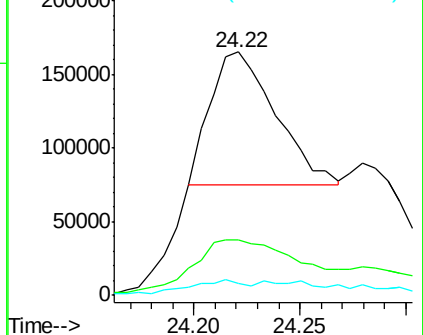
125 4.9 4.1 6.1



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: 7.83 ng/ul

RT: 25.16 min Scan# 3798

Delta R.T. 0.00 min

Lab File: BG025116.D

Acq: 12 Dec 2016 16:07

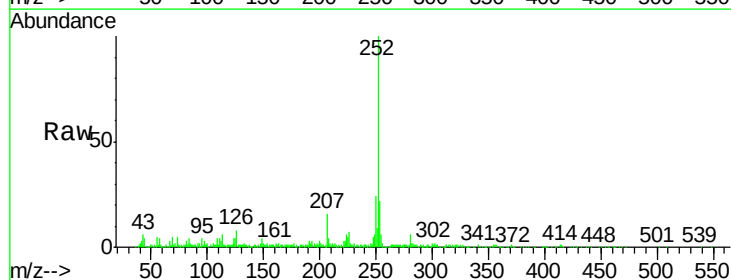
Tgt Ion:252 Resp: 280374

Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.6

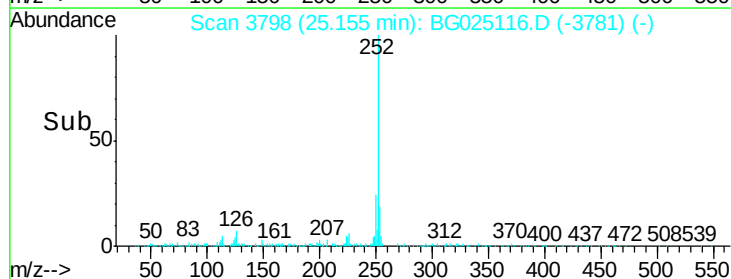
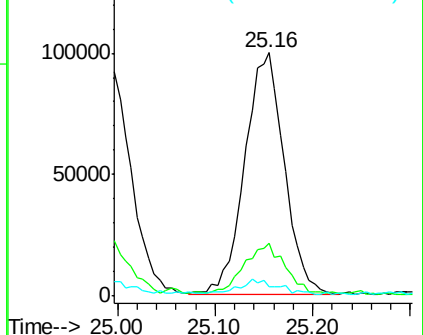
125 4.0 5.4 8.0#

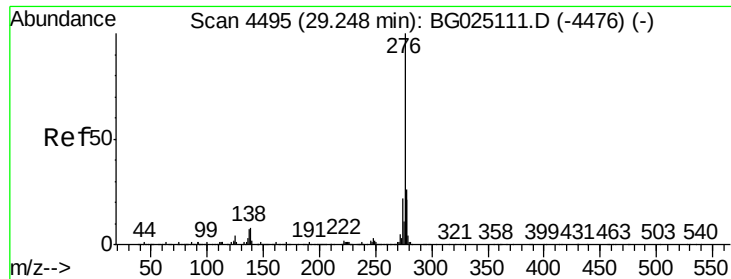


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.34 ng/ul

RT: 29.23 min Scan# 4491

Delta R.T. -0.02 min

Lab File: BG025116.D

Acq: 12 Dec 2016 16:07

Instrument :

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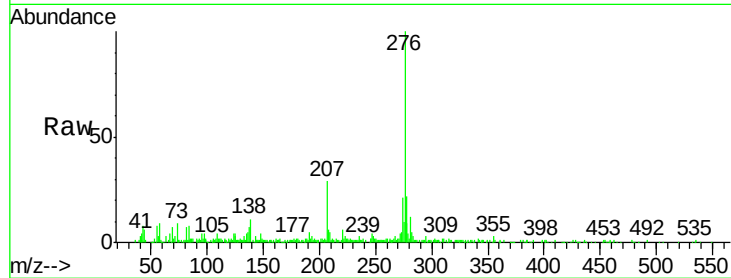
Tgt Ion:276 Resp: 104001

Ion Ratio Lower Upper

276 100

138 11.1 8.2 12.4

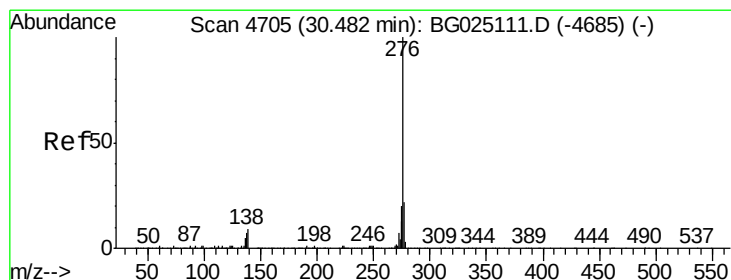
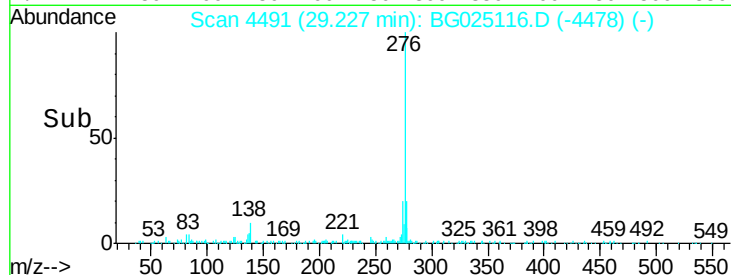
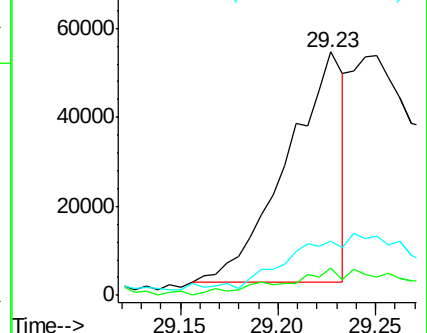
277 22.1 18.6 28.0



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: 5.49 ng/ul

RT: 30.47 min Scan# 4703

Delta R.T. -0.01 min

Lab File: BG025116.D

Acq: 12 Dec 2016 16:07

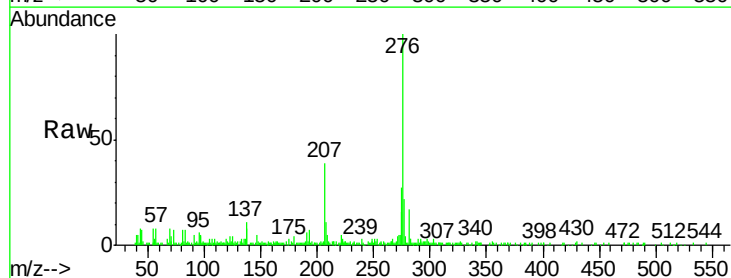
Tgt Ion:276 Resp: 203816

Ion Ratio Lower Upper

276 100

138 8.5 8.6 12.8#

277 22.2 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

