

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120816\
 Data File : BG025027.D
 Acq On : 9 Dec 2016 4:29
 Operator : UM/SJ
 Sample : H5863-06 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA7Y5

Quant Time: Dec 09 06:35:19 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 09 01:31:52 2016
 Response via : Initial Calibration

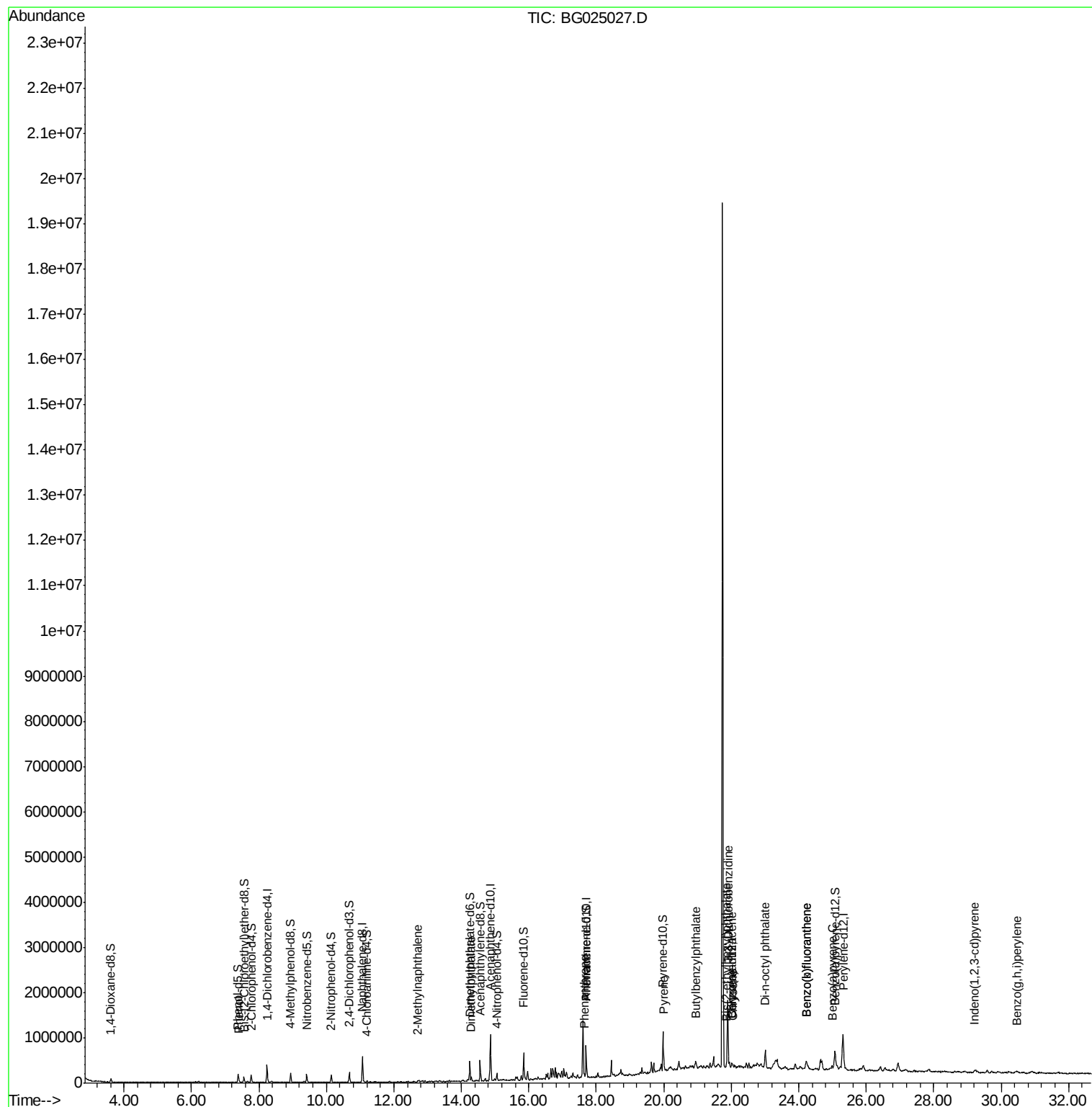
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	106063	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	463746	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	372602	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.70	188	418074	20.00	ng/ul	0.10
75) Chrysene-d12	22.02	240	1575	20.00	ng/ul	0.13
83) Perylene-d12	25.31	264	994048	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.60	96	3481	1.70	ng/uL	0.00
5) Phenol-d5	7.38	99	94286	10.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.56	67	59230	10.46	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	69971	10.94	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	78780	10.30	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	36975	11.26	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	41980	10.25	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	84882	10.78	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	19746	2.55	ng/ul	0.00
43) Dimethylphthalate-d6	14.26	166	288022	11.24	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	338083	12.04	ng/ul	0.00
51) 4-Nitrophenol-d4	15.05	143	35198	7.99	ng/ul	0.00
57) Fluorene-d10	15.85	176	269477	11.17	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.04	200	400	0.15	ng/ul	0.08
70) Anthracene-d10	17.70	188	418074	23.69	ng/ul	0.00
76) Pyrene-d10	19.97	212	504644	7778.98	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.07	264	543916	13.50	ng/ul	0.00
Target Compounds						
6) Phenol	7.41	94	19527	2.08	ng/ul	91
34) 2-Methylnaphthalene	12.71	142	17068	1.00	ng/ul#	75
44) Dimethylphthalate	14.30	163	56462	2.24	ng/ul#	94
69) Phenanthrene	17.65	178	64844	3.25	ng/ul	97
77) Pyrene	20.00	202	140612	1857.16	ng/ul	99
78) Butylbenzylphthalate	20.97	149	579	19.53	ng/ul#	3
79) 3,3'-Dichlorobenzidine	21.91	252	1179	42.94	ng/ul#	59
80) Benzo(a)anthracene	22.02	228	1482	18.11	ng/ul#	1
81) Bis(2-ethylhexyl)phthalate	21.85	149	6195	151.83	ng/ul#	84
82) Chrysene	22.06	228	659	8.61	ng/ul#	1
84) Di-n-octyl phthalate	23.01	149	381960	9.46	ng/ul	100
85) Benzo(b)fluoranthene	24.22	252	196612	3.99	ng/ul#	96
86) Benzo(k)fluoranthene	24.22	252	196612	4.20	ng/ul#	96
88) Benzo(a)pyrene	24.99	252	97671	2.06	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.22	276	110691	1.88	ng/ul	95
91) Benzo(g,h,i)perylene	30.46	276	112956	2.30	ng/ul#	92

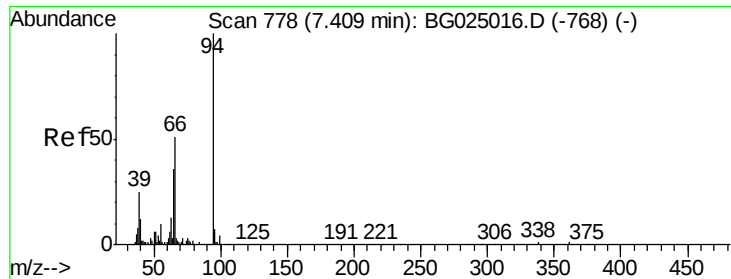
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 2.08 ng/ul

RT: 7.41 min Scan# 777

Delta R.T. -0.00 min

Lab File: BG025027.D

Acq: 9 Dec 2016 4:29

Instrument :

BNA_G

ClientSampleId :

DA7Y5

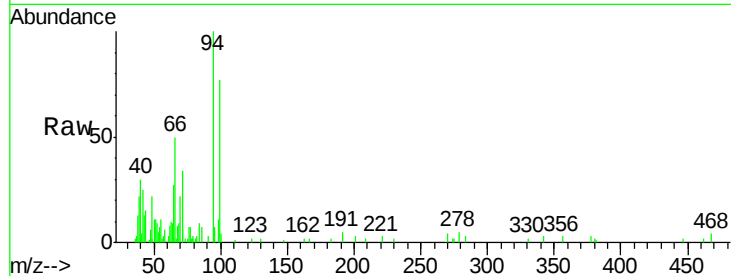
Tgt Ion: 94 Resp: 19527

Ion Ratio Lower Upper

94 100

65 26.9 26.8 40.2

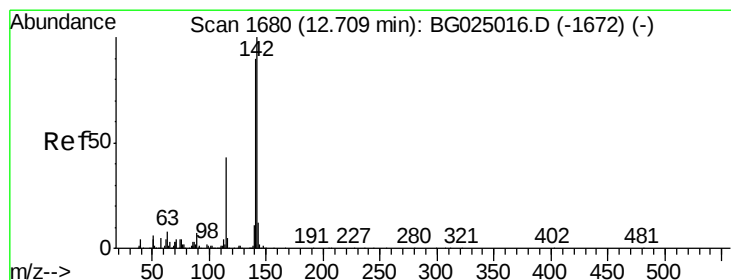
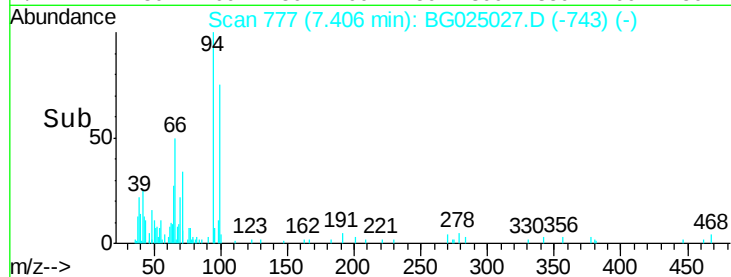
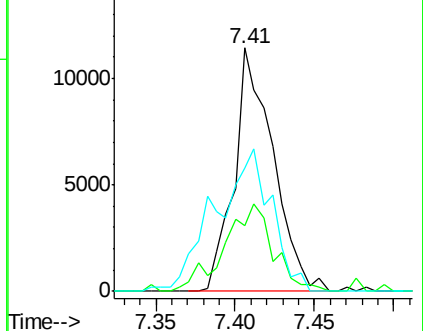
66 50.4 44.4 66.6



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



#34

2-Methylnaphthalene

Concen: 1.00 ng/ul

RT: 12.71 min Scan# 1680

Delta R.T. 0.00 min

Lab File: BG025027.D

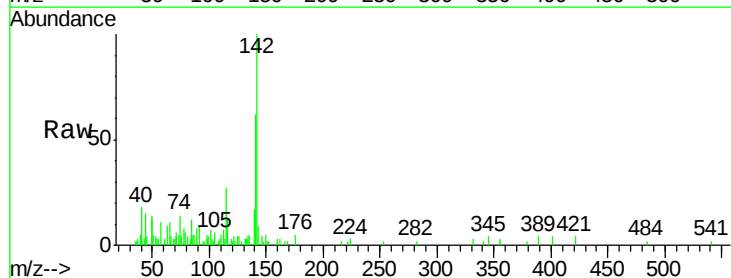
Acq: 9 Dec 2016 4:29

Tgt Ion: 142 Resp: 17068

Ion Ratio Lower Upper

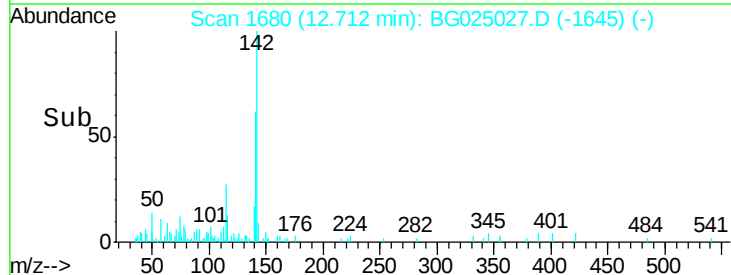
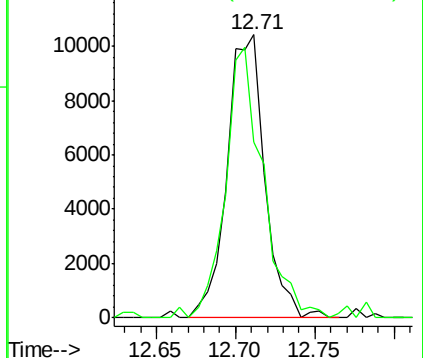
142 100

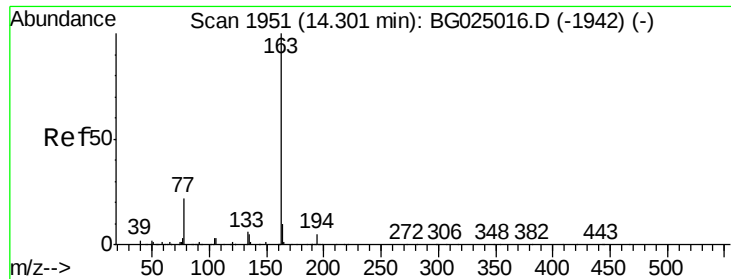
141 62.3 68.6 102.8#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 2.24 ng/ul

RT: 14.30 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BG025027.D

Acq: 9 Dec 2016 4:29

Instrument :

BNA_G

ClientSampleId :

DA7Y5

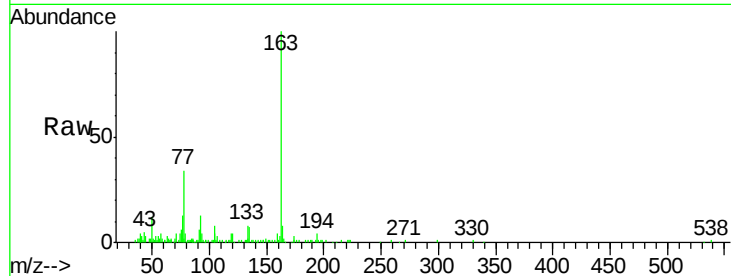
Tgt Ion:163 Resp: 56462

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

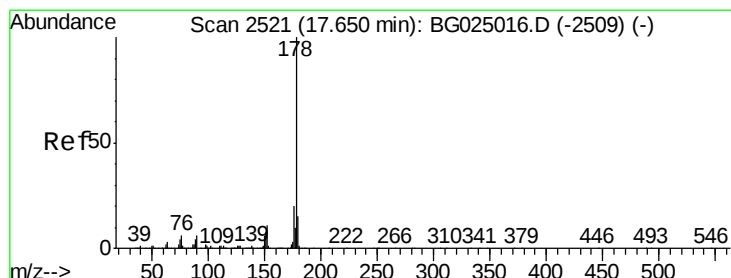
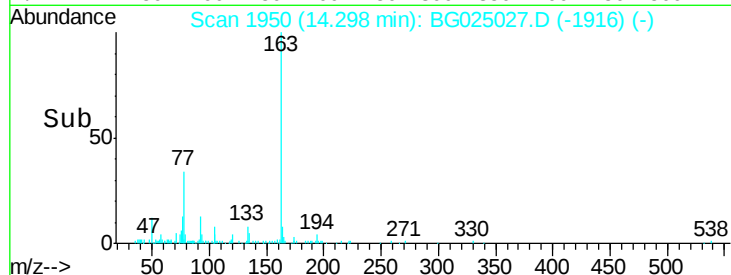
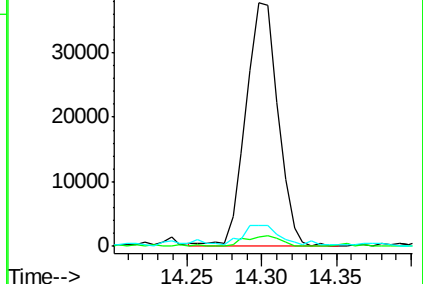
164 8.3 9.0 13.4#



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: 3.25 ng/ul

RT: 17.65 min Scan# 2520

Delta R.T. -0.00 min

Lab File: BG025027.D

Acq: 9 Dec 2016 4:29

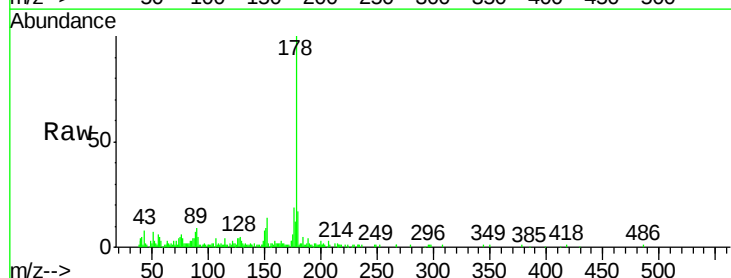
Tgt Ion:178 Resp: 64844

Ion Ratio Lower Upper

178 100

179 16.6 12.4 18.6

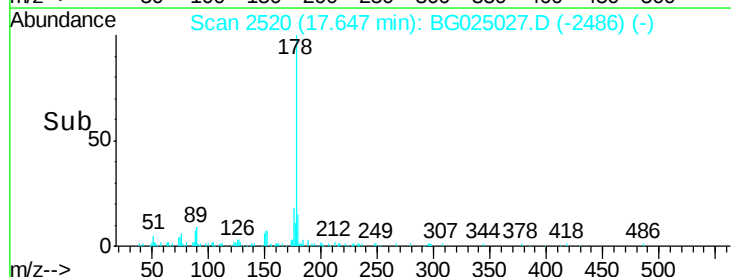
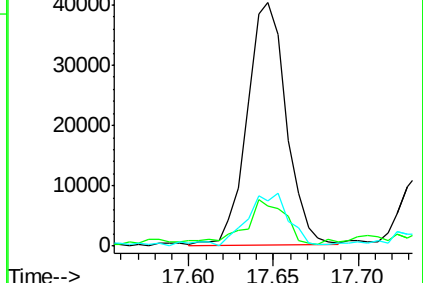
176 18.8 16.5 24.7

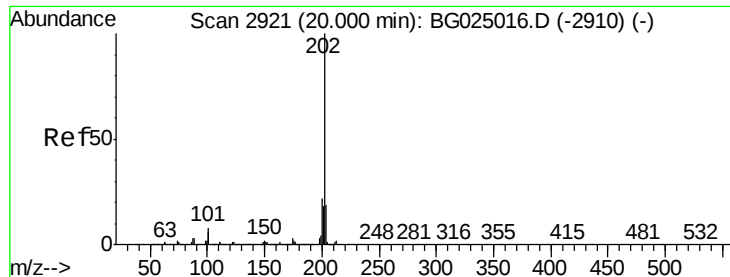


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#77

Pyrene

Concen: 1857.16 ng/ul

RT: 20.00 min Scan# 2921

Delta R.T. 0.00 min

Lab File: BG025027.D

Acq: 9 Dec 2016 4:29

Instrument :

BNA_G

ClientSampleId :

DA7Y5

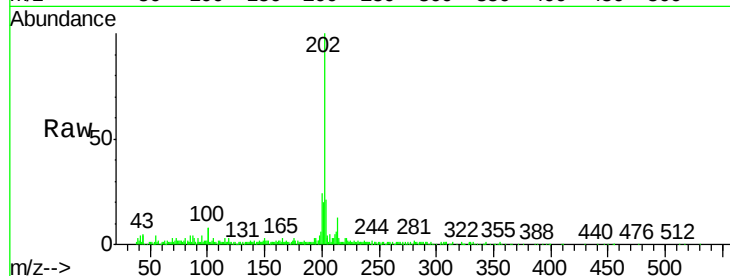
Tgt Ion:202 Resp: 140612

Ion Ratio Lower Upper

202 100

101 8.2 6.9 10.3

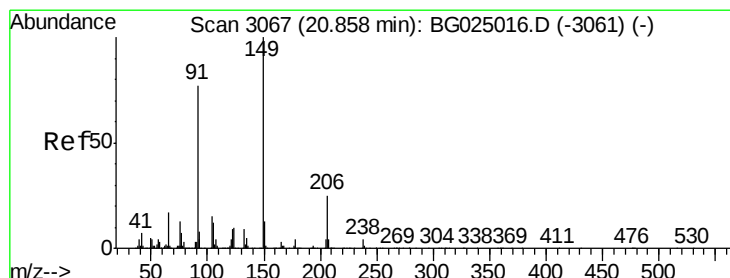
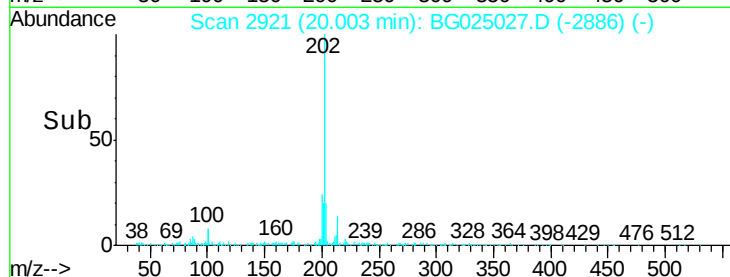
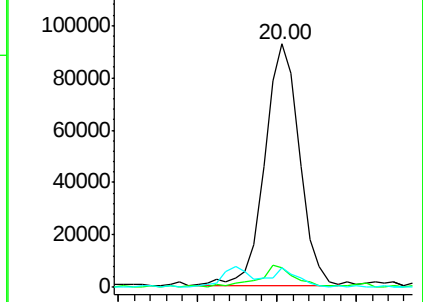
100 8.2 6.6 10.0



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



#78

Butylbenzylphthalate

Concen: 19.53 ng/ul

RT: 20.97 min Scan# 3086

Delta R.T. 0.11 min

Lab File: BG025027.D

Acq: 9 Dec 2016 4:29

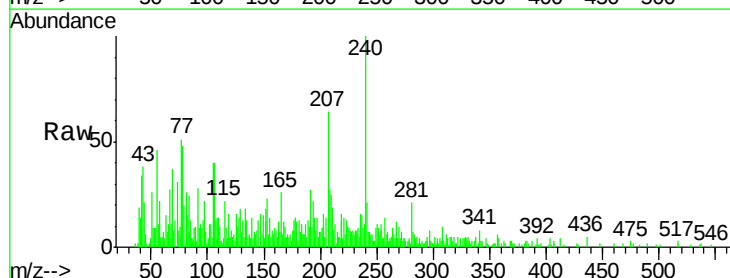
Tgt Ion:149 Resp: 579

Ion Ratio Lower Upper

149 100

91 182.1 65.8 98.6#

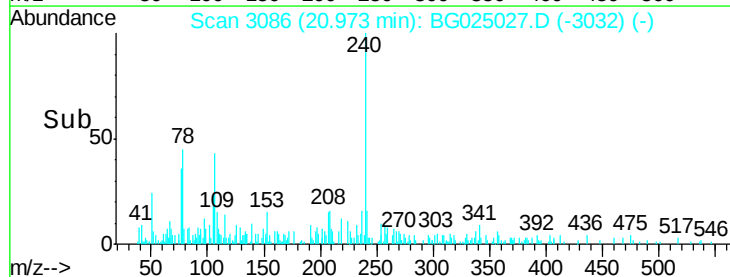
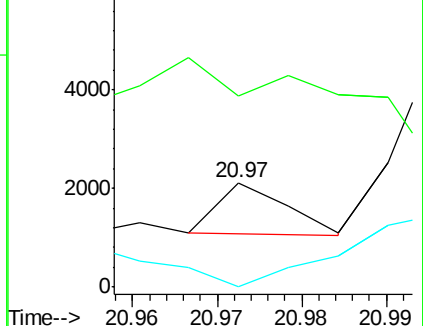
206 0.0 20.1 30.1#

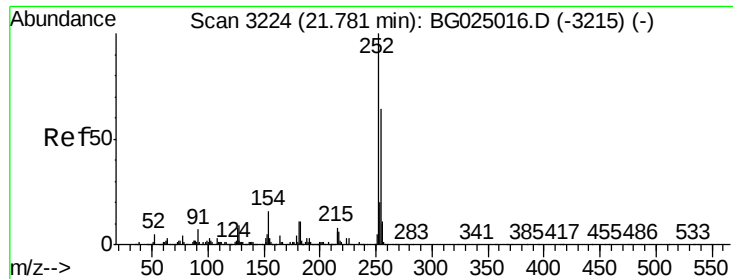


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG0

Ion 206.00 (205.70 to 206.70): E





#79

3,3'-Dichlorobenzidine

Concen: 42.94 ng/ul

RT: 21.91 min Scan# 3245

Delta R.T. 0.13 min

Lab File: BG025027.D

Acq: 9 Dec 2016 4:29

Instrument :

BNA_G

ClientSampleId :

DA7Y5

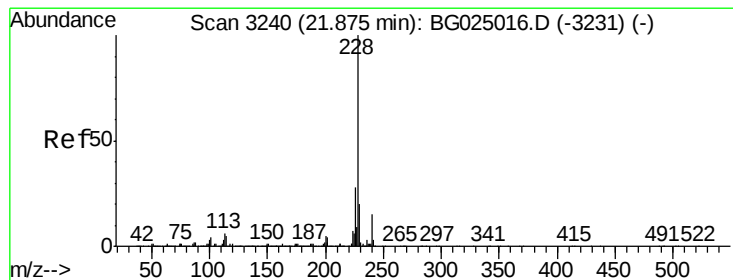
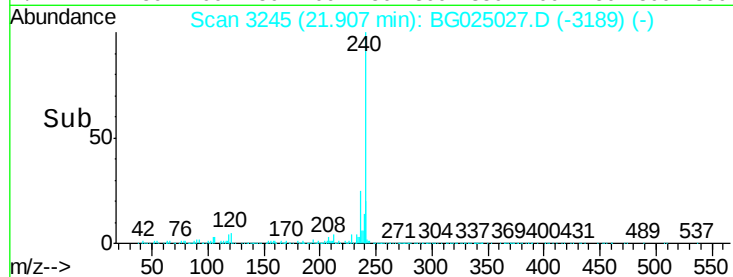
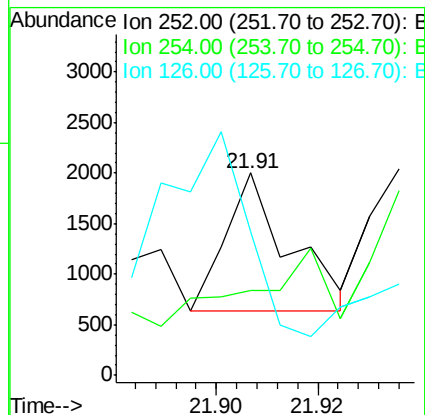
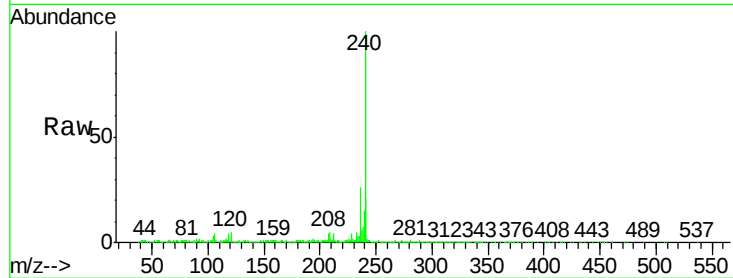
Tgt Ion:252 Resp: 1179

Ion Ratio Lower Upper

252 100

254 41.9 49.0 73.6#

126 70.9 5.1 7.7#



#80

Benzo(a)anthracene

Concen: 18.11 ng/ul

RT: 22.02 min Scan# 3264

Delta R.T. 0.14 min

Lab File: BG025027.D

Acq: 9 Dec 2016 4:29

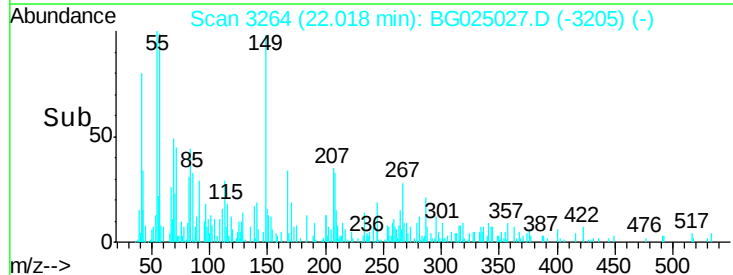
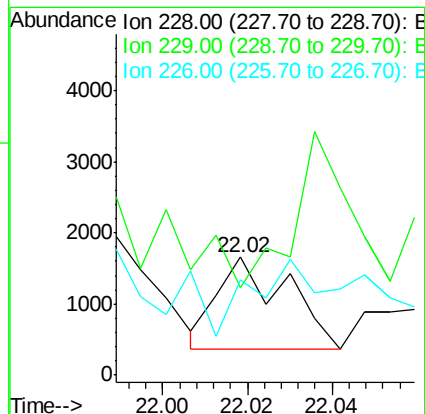
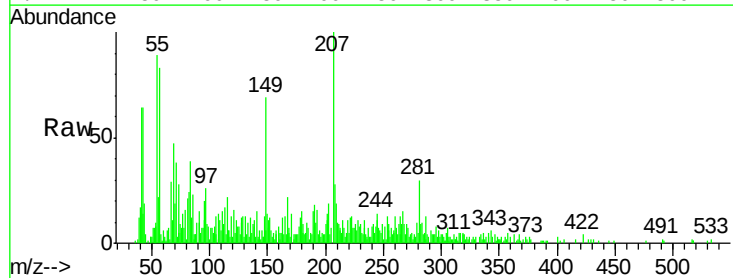
Tgt Ion:228 Resp: 1482

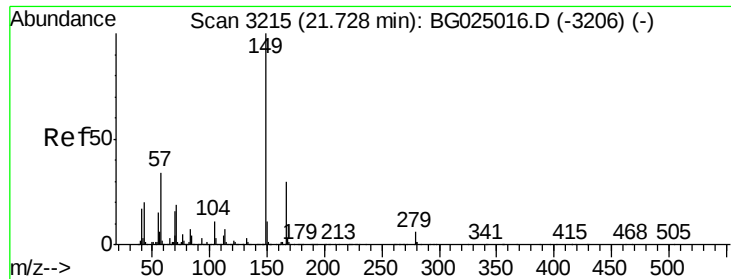
Ion Ratio Lower Upper

228 100

229 74.7 16.3 24.5#

226 80.5 21.9 32.9#

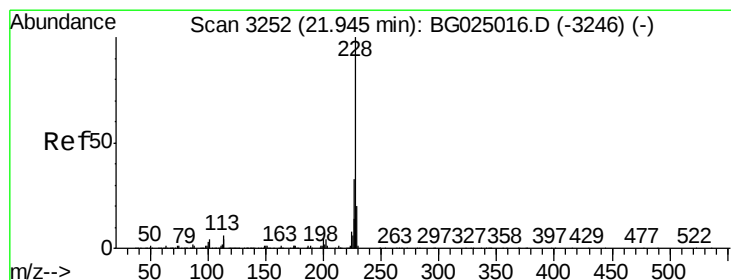
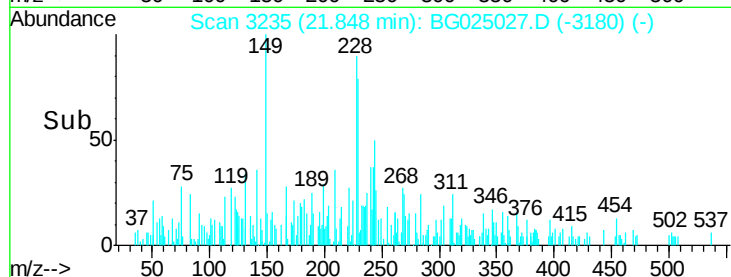
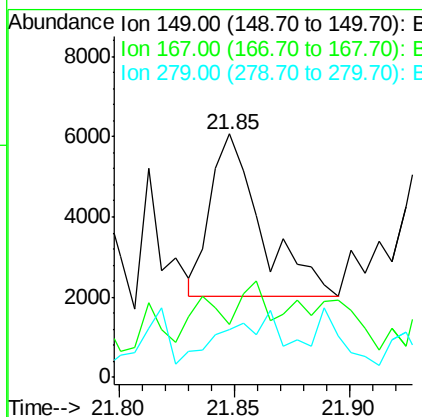
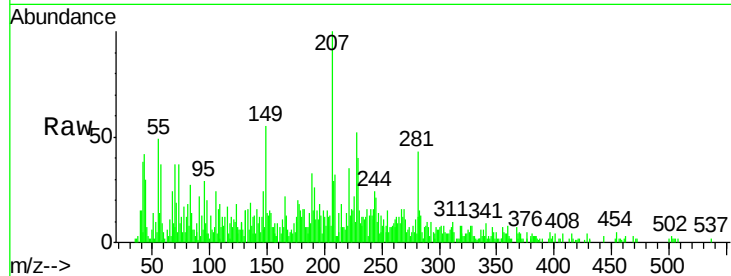




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 151.83 ng/ul
 RT: 21.85 min Scan# 3235
 Delta R.T. 0.12 min
 Lab File: BG025027.D
 Acq: 9 Dec 2016 4:29

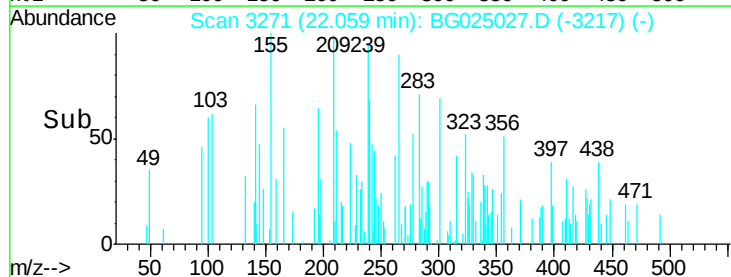
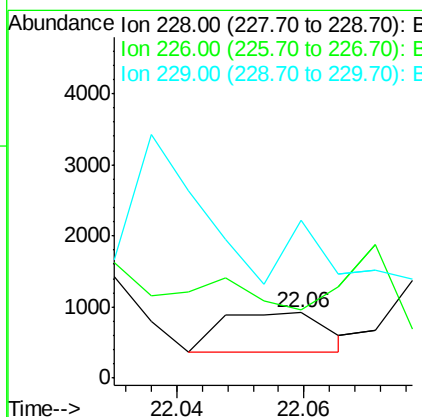
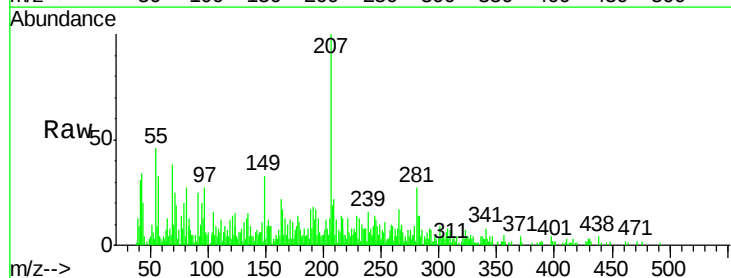
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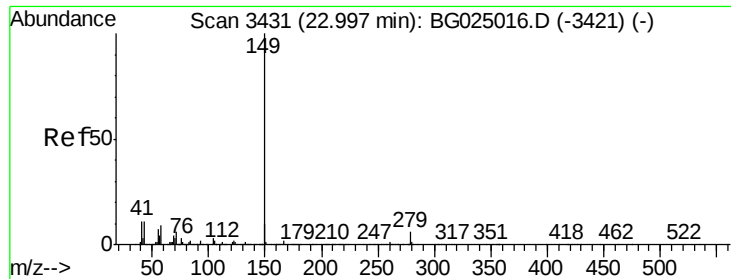
Tgt Ion:149 Resp: 6195
 Ion Ratio Lower Upper
 149 100
 167 21.6 21.8 32.8#
 279 19.7 4.5 6.7#



#82
 Chrysene
 Concen: 8.61 ng/ul
 RT: 22.06 min Scan# 3271
 Delta R.T. 0.11 min
 Lab File: BG025027.D
 Acq: 9 Dec 2016 4:29

Tgt Ion:228 Resp: 659
 Ion Ratio Lower Upper
 228 100
 226 104.1 24.0 36.0#
 229 240.3 16.9 25.3#





#84

Di-n-octyl phthalate

Concen: 9.46 ng/ul

RT: 23.01 min Scan# 3433

Delta R.T. 0.01 min

Lab File: BG025027.D

Acq: 9 Dec 2016 4:29

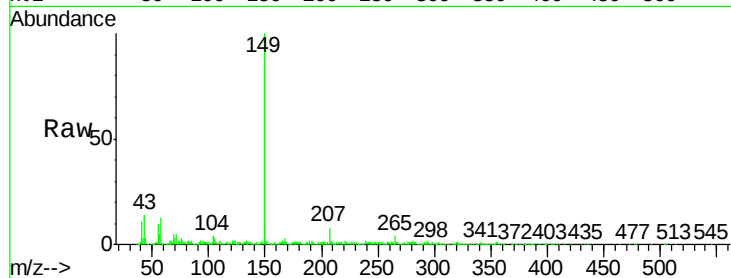
Instrument :

BNA_G

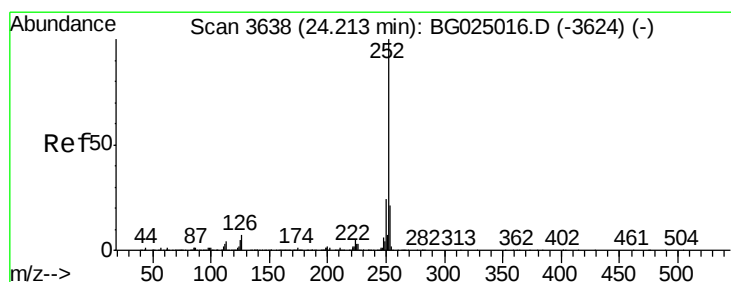
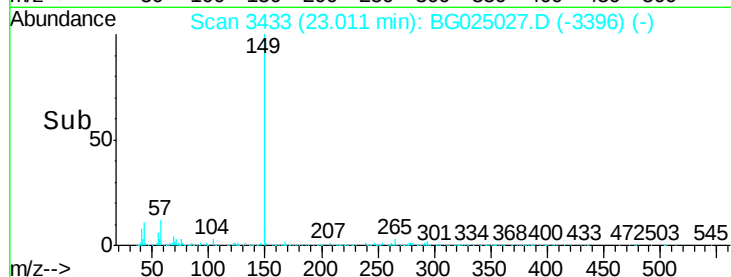
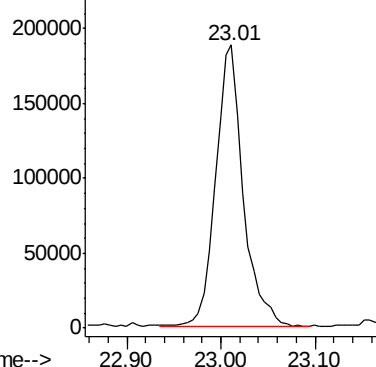
ClientSampleId :

DA7Y5

Tgt Ion:149 Resp: 381960



Abundance Ion 149.00 (148.70 to 149.70): E



#85

Benzo(b)fluoranthene

Concen: 3.99 ng/ul

RT: 24.22 min Scan# 3638

Delta R.T. 0.00 min

Lab File: BG025027.D

Acq: 9 Dec 2016 4:29

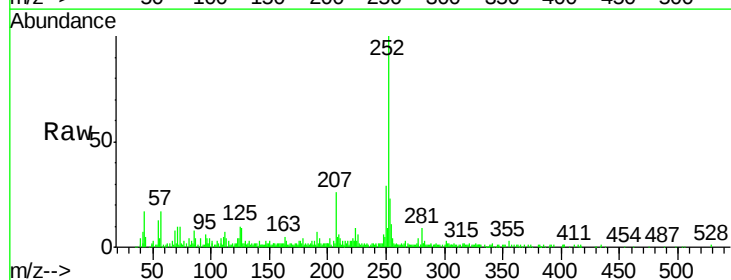
Tgt Ion:252 Resp: 196612

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

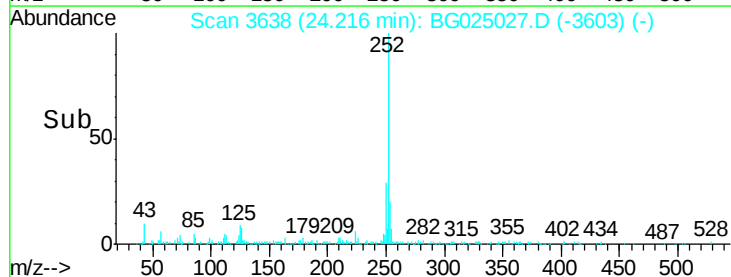
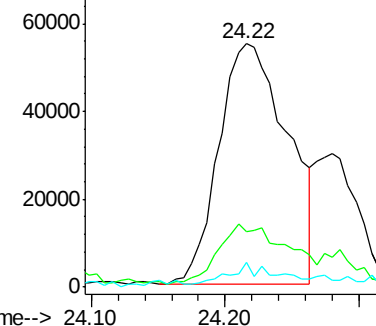
125 10.3 4.0 6.0#

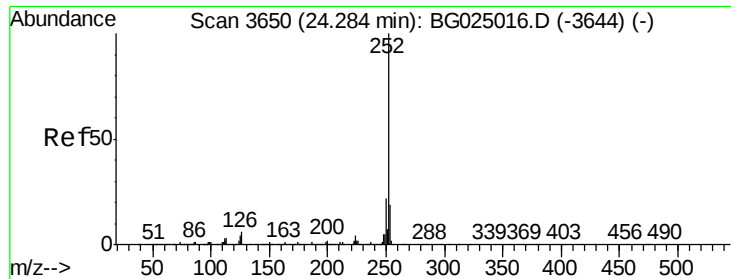


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 4.20 ng/ul

RT: 24.22 min Scan# 3638

Delta R.T. -0.07 min

Lab File: BG025027.D

Acq: 9 Dec 2016 4:29

Instrument :

BNA_G

ClientSampleId :

DA7Y5

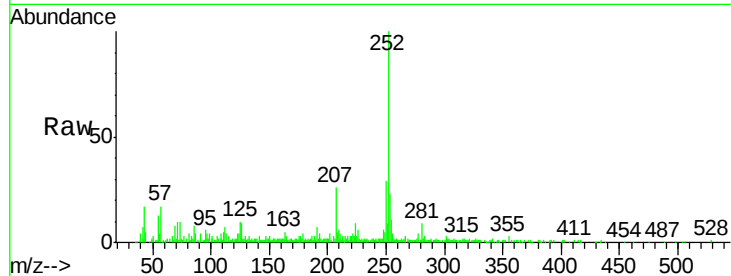
Tgt Ion:252 Resp: 196612

Ion Ratio Lower Upper

252 100

253 22.7 18.5 27.7

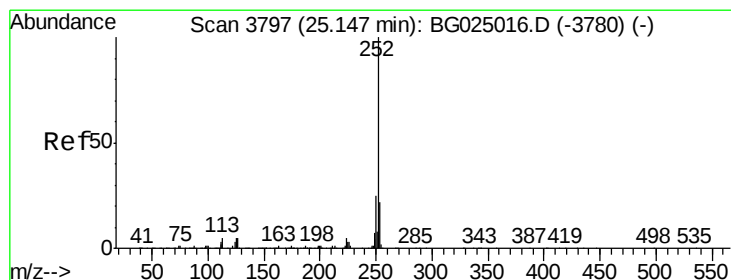
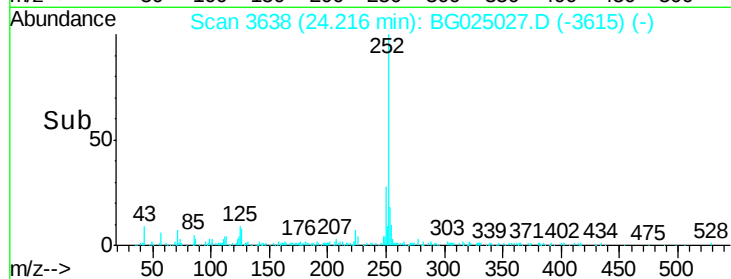
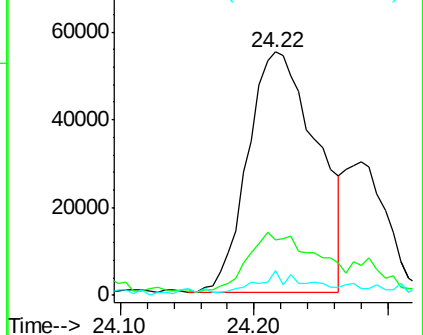
125 10.3 4.1 6.1#



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: 2.06 ng/ul

RT: 24.99 min Scan# 3770

Delta R.T. -0.16 min

Lab File: BG025027.D

Acq: 9 Dec 2016 4:29

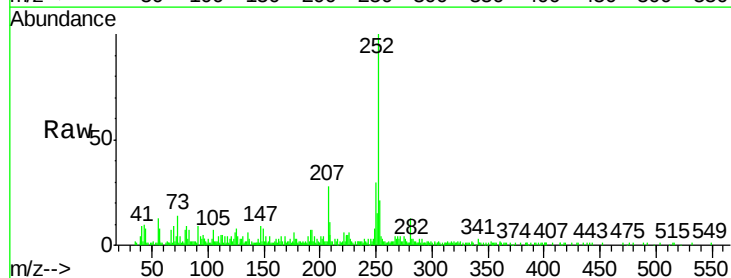
Tgt Ion:252 Resp: 97671

Ion Ratio Lower Upper

252 100

253 21.1 17.8 26.6

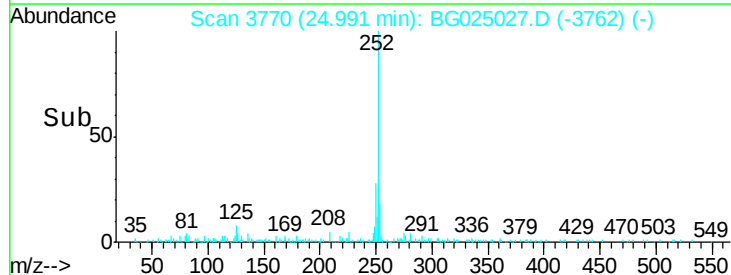
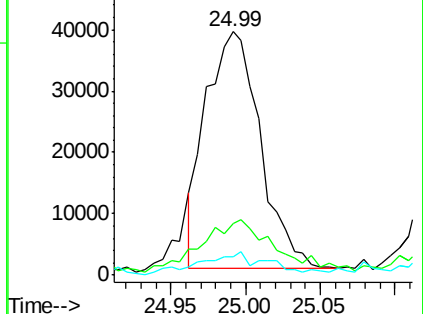
125 7.5 5.4 8.0

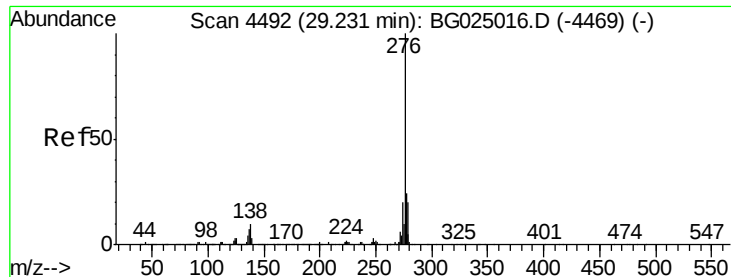


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.88 ng/ul

RT: 29.22 min Scan# 4489

Delta R.T. -0.01 min

Lab File: BG025027.D

Acq: 9 Dec 2016 4:29

Instrument :

BNA_G

ClientSampleId :

DA7Y5

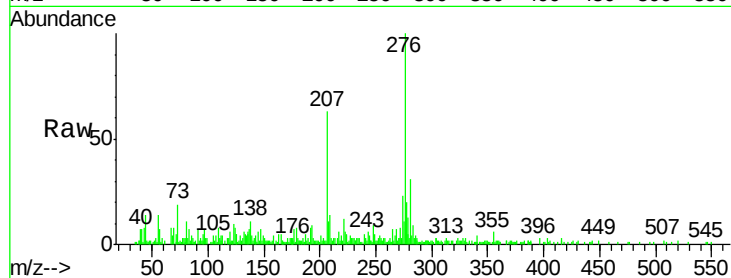
Tgt Ion:276 Resp: 110691

Ion Ratio Lower Upper

276 100

138 10.8 8.2 12.4

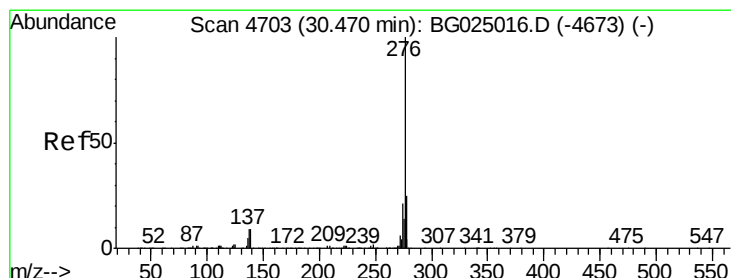
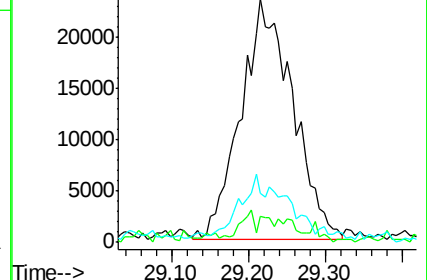
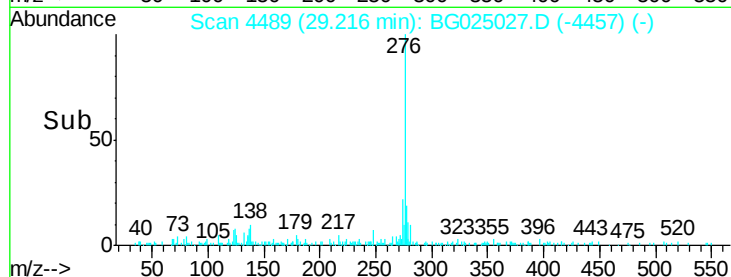
277 20.3 18.6 28.0



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: 2.30 ng/ul

RT: 30.46 min Scan# 4700

Delta R.T. -0.01 min

Lab File: BG025027.D

Acq: 9 Dec 2016 4:29

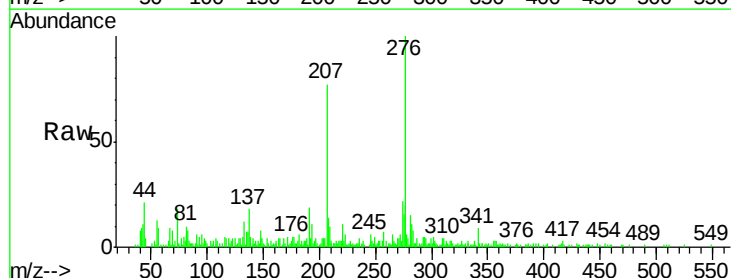
Tgt Ion:276 Resp: 112956

Ion Ratio Lower Upper

276 100

138 5.0 8.6 12.8#

277 19.6 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

