

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120916\
 Data File : BG025036.D
 Acq On : 9 Dec 2016 12:48
 Operator : UM/SJ
 Sample : H5863-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA7Y6

Quant Time: Dec 11 23:58:47 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Dec 11 23:54:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	123834	20.00	ng/ul	0.01
18) Naphthalene-d8	11.08	136	536371	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.87	164	432465	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	883816	20.00	ng/ul	0.01
75) Chrysene-d12	21.90	240	1109165	20.00	ng/ul	0.00
83) Perylene-d12	25.34	264	1199728	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.60	96	6791	2.83	ng/uL	0.00
5) Phenol-d5	7.39	99	162890	15.25	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.56	67	109943	16.64	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	122837	16.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	135965	15.23	ng/ul	0.01
19) Nitrobenzene-d5	9.42	128	67957	17.89	ng/ul	0.00
22) 2-Nitrophenol-d4	10.15	143	83602	17.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	148636	16.32	ng/ul	0.01
29) 4-Chloroaniline-d4	11.21	131	47168	5.27	ng/ul	0.00
43) Dimethylphthalate-d6	14.26	166	547697	18.41	ng/ul	0.00
46) Acenaphthylene-d8	14.57	160	573780	17.61	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	65655	12.84	ng/ul	0.02
57) Fluorene-d10	15.85	176	487243	17.40	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	105548	19.31	ng/ul	0.00
70) Anthracene-d10	17.71	188	703026	18.85	ng/ul	0.00
76) Pyrene-d10	19.98	212	778633	17.04	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.09	264	838552	17.25	ng/ul	0.02

Target Compounds

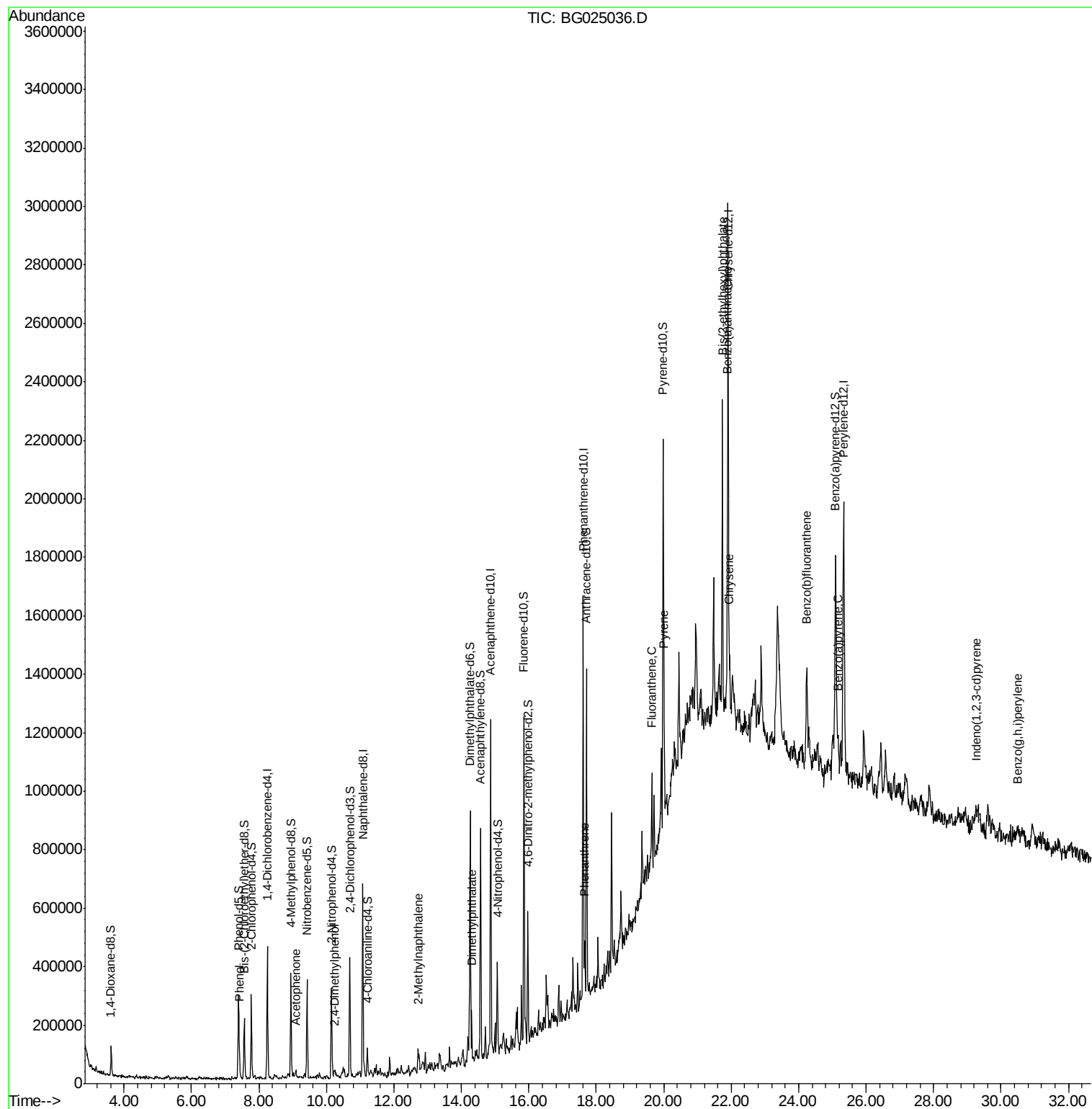
					Qvalue
6) Phenol	7.42	94	35785	3.26 ng/ul	93
14) Acetophenone	9.09	105	21972	1.62 ng/ul#	84
24) 2,4-Dimethylphenol	10.24	107	12226	1.11 ng/ul#	79
34) 2-Methylnaphthalene	12.71	142	32309	1.64 ng/ul	89
44) Dimethylphthalate	14.31	163	100497	3.44 ng/ul#	99
69) Phenanthrene	17.66	178	143168	3.39 ng/ul	96
74) Fluoranthene	19.65	202	208891	4.17 ng/ul#	95
77) Pyrene	20.01	202	198926	3.73 ng/ul#	93
80) Benzo(a)anthracene	21.89	228	142113	2.47 ng/ul	93
81) Bis(2-ethylhexyl)phthalate	21.74	149	412475	14.36 ng/ul#	97
82) Chrysene	21.95	228	172952	3.21 ng/ul	95
85) Benzo(b)fluoranthene	24.23	252	275364	4.63 ng/ul#	88
88) Benzo(a)pyrene	25.17	252	150868	2.64 ng/ul#	93
89) Indeno(1,2,3-cd)pyrene	29.26	276	119949	1.69 ng/ul#	90
91) Benzo(g,h,i)perylene	30.49	276	100587	1.70 ng/ul#	90

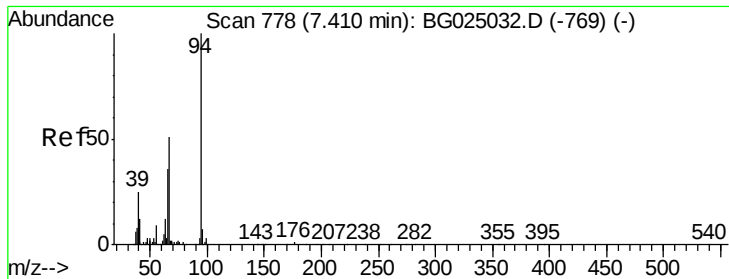
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG120916\
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Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 11 23:54:53 2016
Response via : Initial Calibration





#6

Phenol

Concen: 3.26 ng/ul

RT: 7.42 min Scan# 780

Delta R.T. 0.01 min

Lab File: BG025036.D

Acq: 9 Dec 2016 12:48

Instrument :

BNA_G

ClientSampled :

DA7Y6

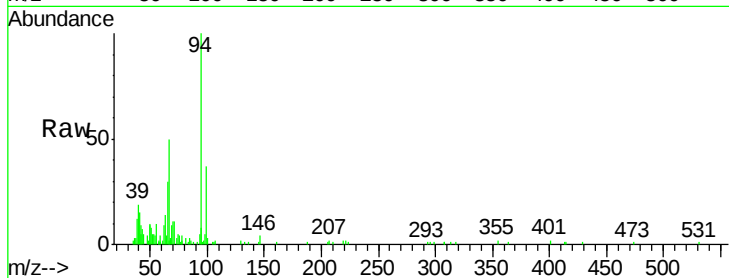
Tgt Ion: 94 Resp: 35785

Ion Ratio Lower Upper

94 100

65 29.6 26.8 40.2

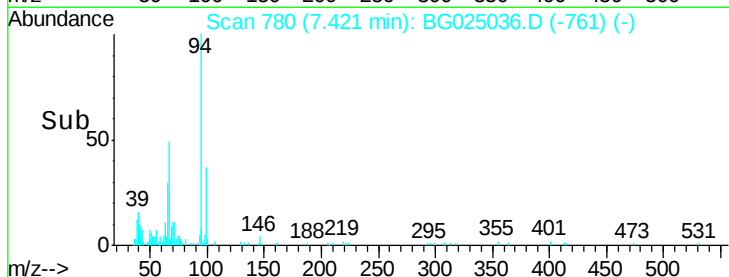
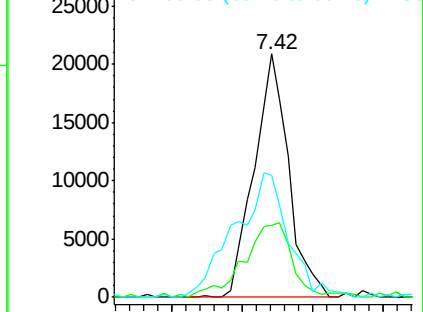
66 50.1 44.4 66.6



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



#14

Acetophenone

Concen: 1.62 ng/ul

RT: 9.09 min Scan# 1064

Delta R.T. 0.02 min

Lab File: BG025036.D

Acq: 9 Dec 2016 12:48

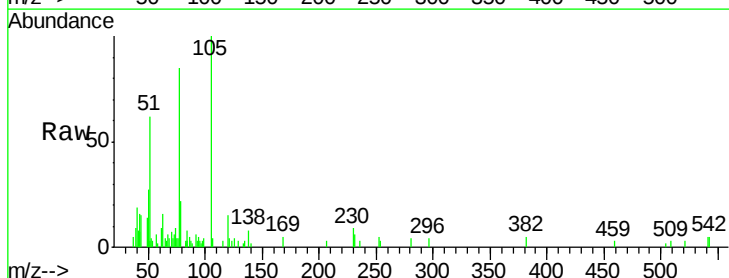
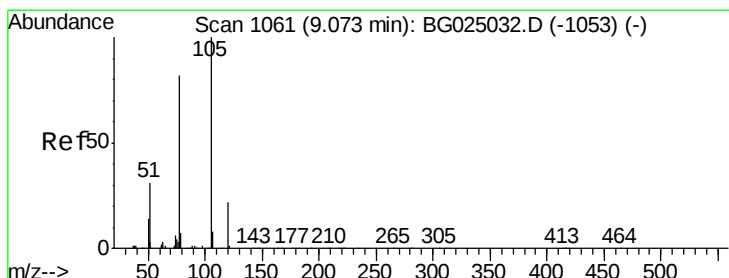
Tgt Ion: 105 Resp: 21972

Ion Ratio Lower Upper

105 100

77 85.3 76.0 114.0

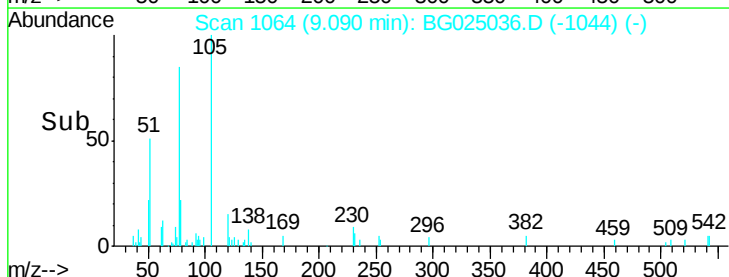
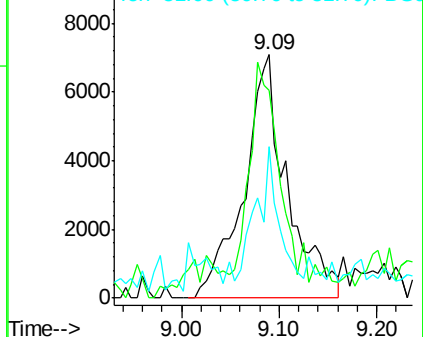
51 62.1 34.8 52.2#

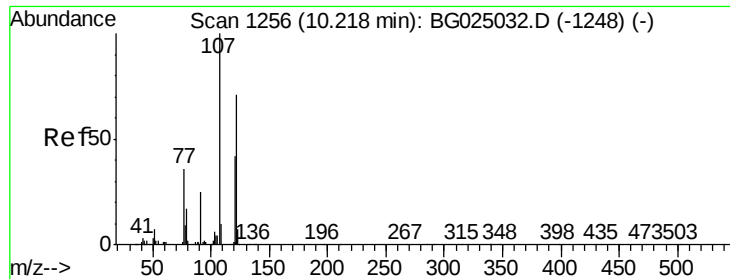


Abundance Ion 105.00 (104.70 to 105.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

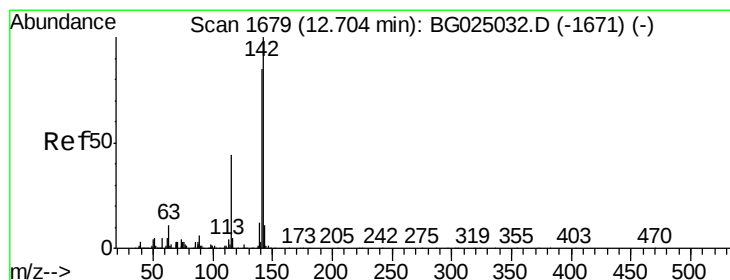
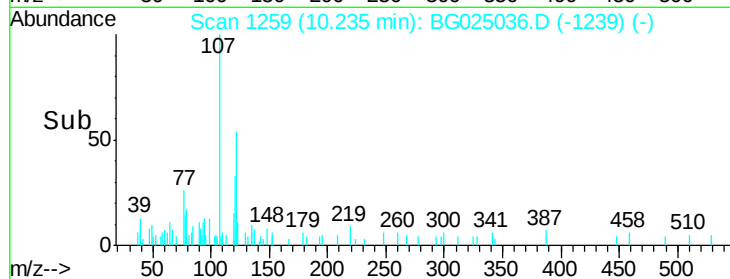
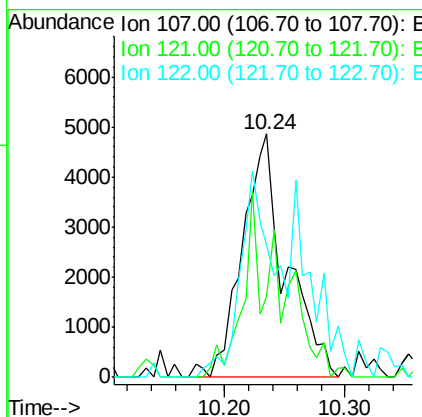
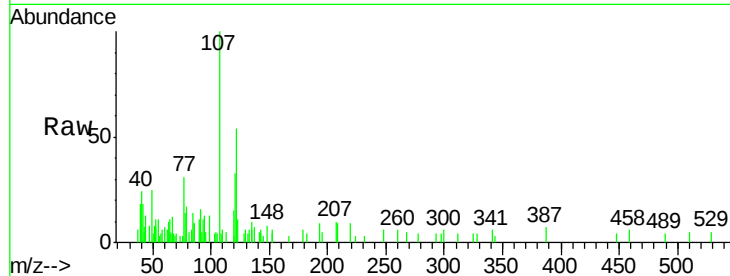




#24
2,4-Dimethylphenol
Concen: 1.11 ng/ul
RT: 10.24 min Scan# 1259
Delta R.T. 0.02 min
Lab File: BG025036.D
Acq: 9 Dec 2016 12:48

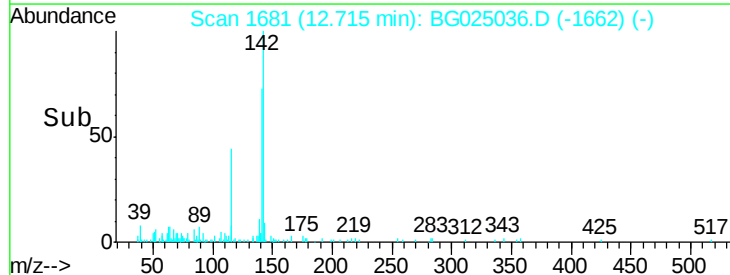
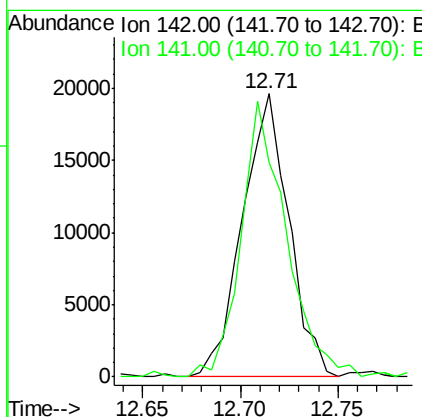
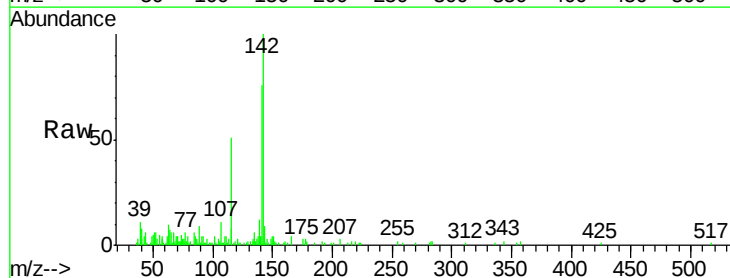
Instrument :
BNA_G
ClientSampleId :
DA7Y6

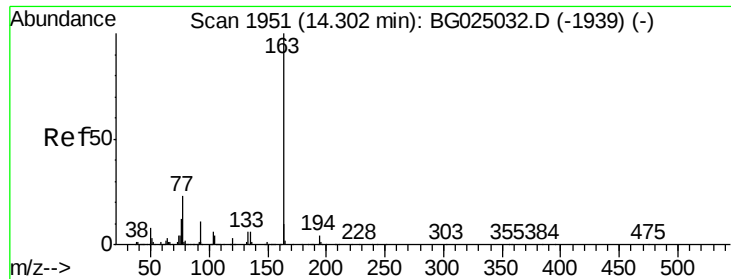
Tgt Ion:107 Resp: 12226
Ion Ratio Lower Upper
107 100
121 33.2 32.3 48.5
122 54.3 61.2 91.8#



#34
2-Methylnaphthalene
Concen: 1.64 ng/ul
RT: 12.71 min Scan# 1681
Delta R.T. 0.01 min
Lab File: BG025036.D
Acq: 9 Dec 2016 12:48

Tgt Ion:142 Resp: 32309
Ion Ratio Lower Upper
142 100
141 75.6 68.6 102.8





#44

Dimethylphthalate

Concen: 3.44 ng/ul

RT: 14.31 min Scan# 1952

Delta R.T. 0.01 min

Lab File: BG025036.D

Acq: 9 Dec 2016 12:48

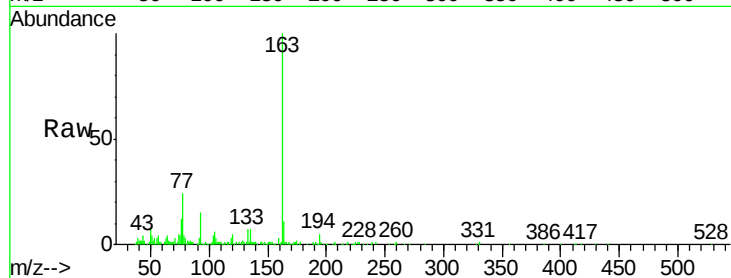
Instrument :

BNA_G

ClientSampleId :

DA7Y6

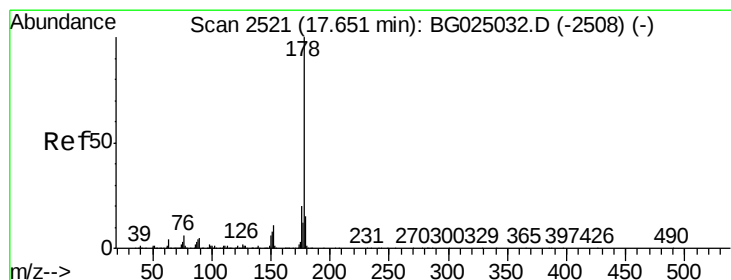
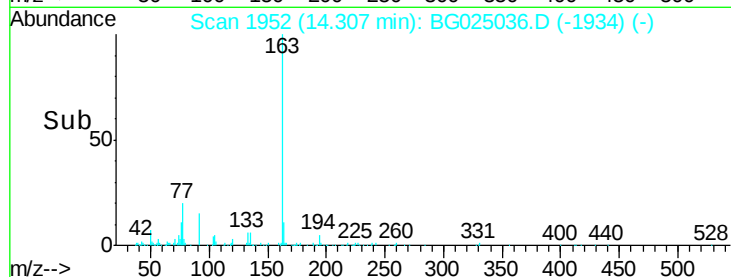
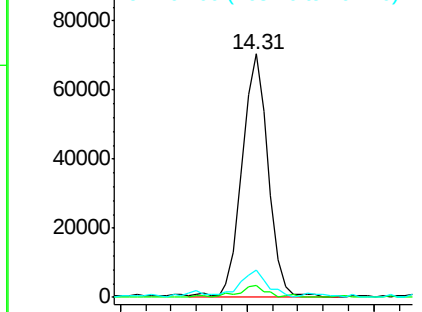
Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.4	5.0#
164	11.4	9.0	13.4



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: 3.39 ng/ul

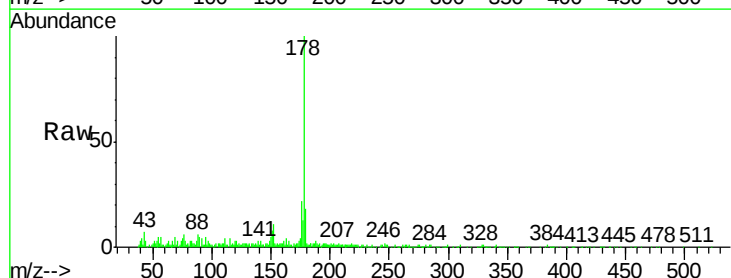
RT: 17.66 min Scan# 2522

Delta R.T. 0.01 min

Lab File: BG025036.D

Acq: 9 Dec 2016 12:48

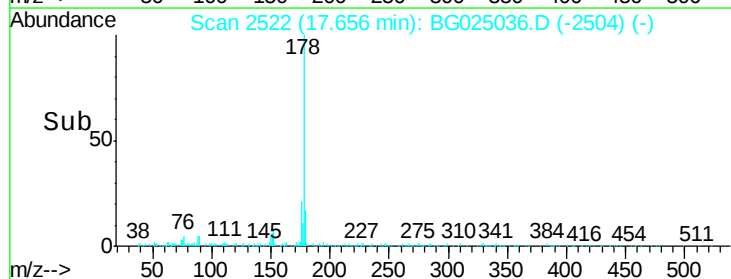
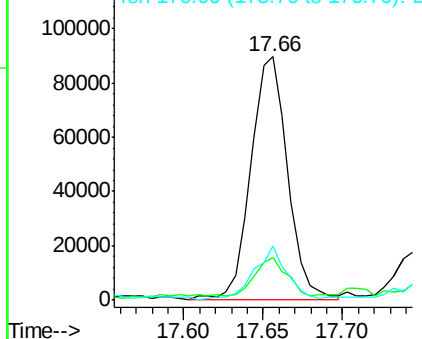
Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.7	12.4	18.6
176	22.2	16.5	24.7

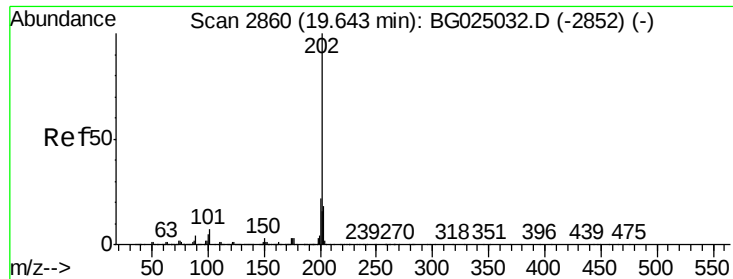


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 4.17 ng/ul

RT: 19.65 min Scan# 2861

Delta R.T. 0.01 min

Lab File: BG025036.D

Acq: 9 Dec 2016 12:48

Instrument :

BNA_G

ClientSampleId :

DA7Y6

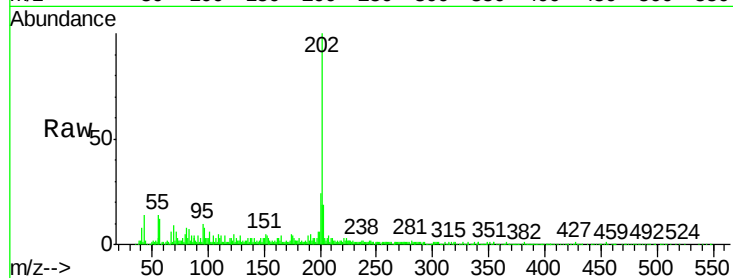
Tgt Ion: 202 Resp: 208891

Ion Ratio Lower Upper

202 100

101 7.3 6.2 9.2

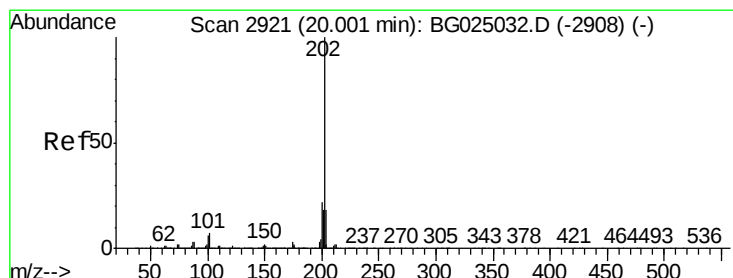
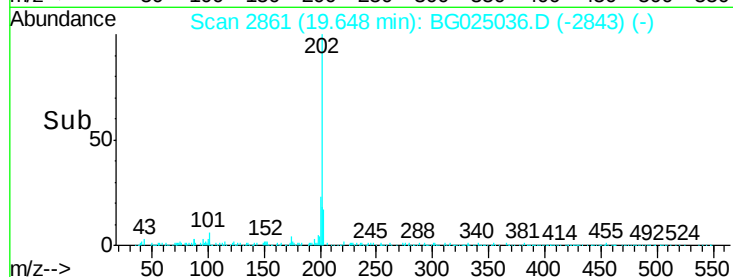
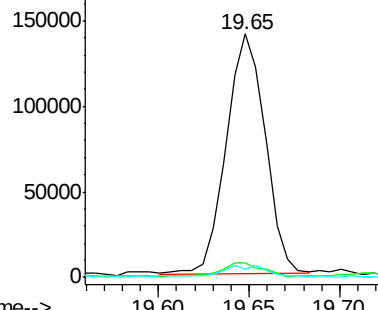
100 3.2 5.2 7.8#



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): B



#77

Pyrene

Concen: 3.73 ng/ul

RT: 20.01 min Scan# 2923

Delta R.T. 0.01 min

Lab File: BG025036.D

Acq: 9 Dec 2016 12:48

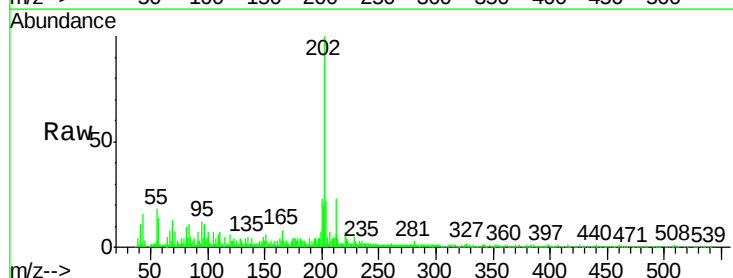
Tgt Ion: 202 Resp: 198926

Ion Ratio Lower Upper

202 100

101 6.8 6.9 10.3#

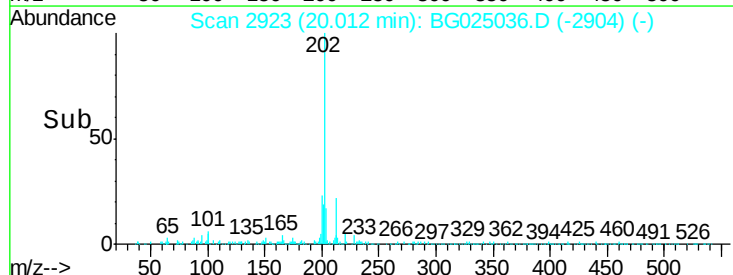
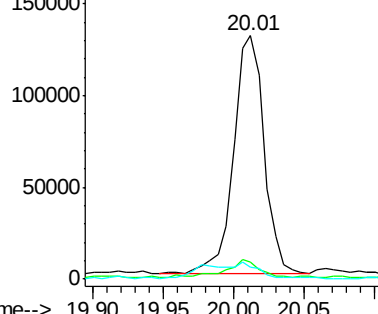
100 4.9 6.6 10.0#

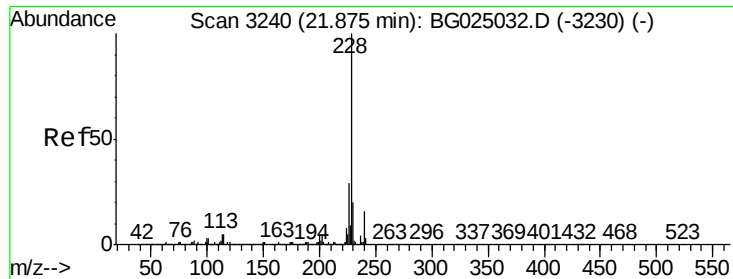


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 2.47 ng/ul

RT: 21.89 min Scan# 3242

Delta R.T. 0.01 min

Lab File: BG025036.D

Acq: 9 Dec 2016 12:48

Instrument :

BNA_G

ClientSampleId :

DA7Y6

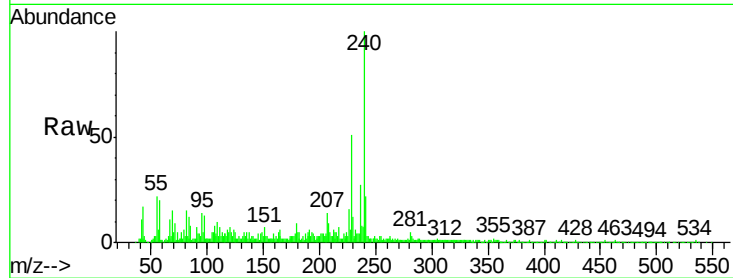
Tgt Ion:228 Resp: 142113

Ion Ratio Lower Upper

228 100

229 24.1 16.3 24.5

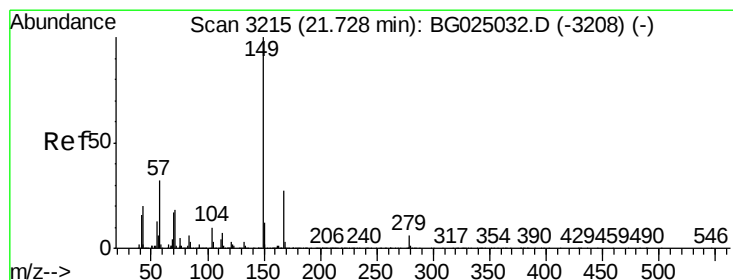
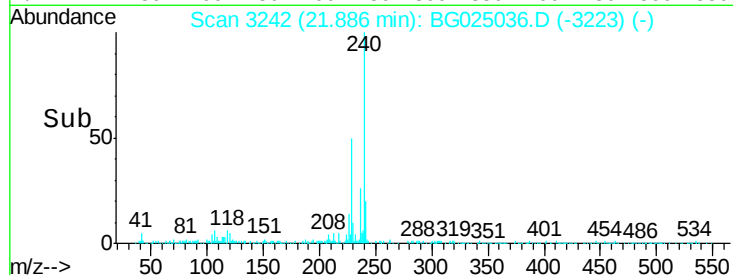
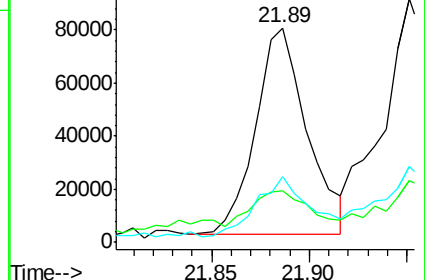
226 30.9 21.9 32.9



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: 14.36 ng/ul

RT: 21.74 min Scan# 3217

Delta R.T. 0.01 min

Lab File: BG025036.D

Acq: 9 Dec 2016 12:48

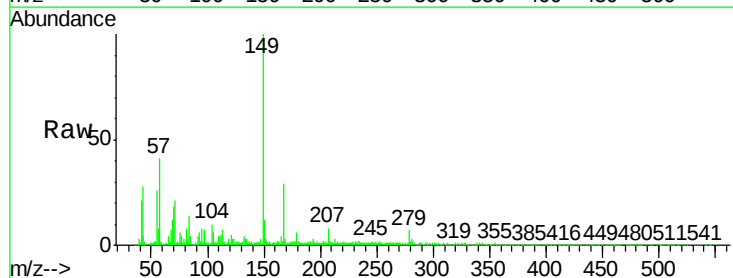
Tgt Ion:149 Resp: 412475

Ion Ratio Lower Upper

149 100

167 28.8 21.8 32.8

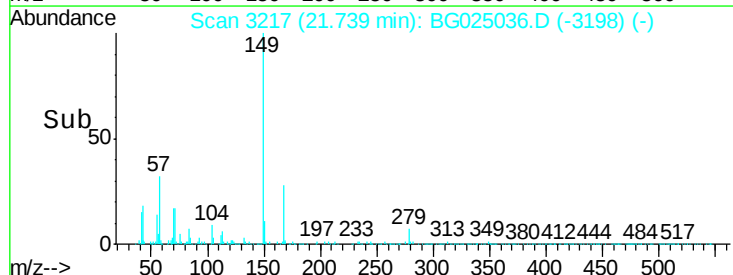
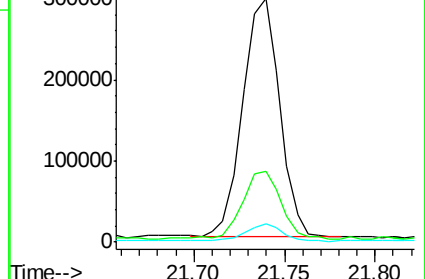
279 7.4 4.5 6.7#

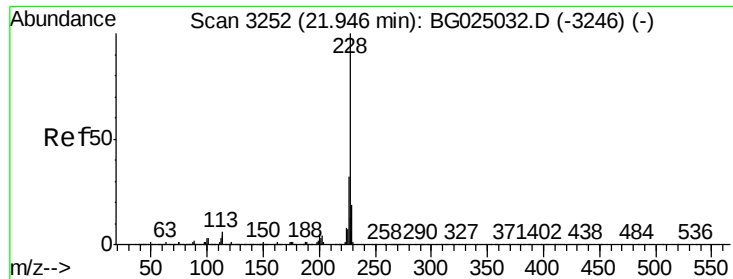


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 3.21 ng/ul

RT: 21.95 min Scan# 3253

Delta R.T. 0.01 min

Lab File: BG025036.D

Acq: 9 Dec 2016 12:48

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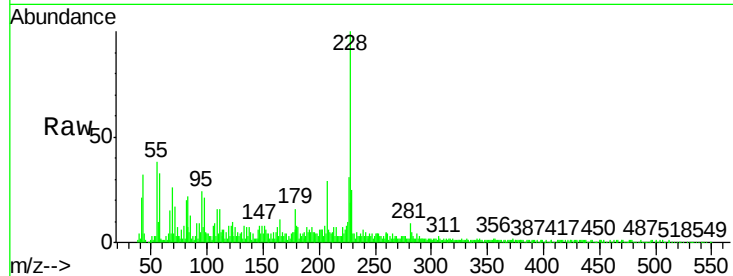
Tgt Ion:228 Resp: 172952

Ion Ratio Lower Upper

228 100

226 31.2 24.0 36.0

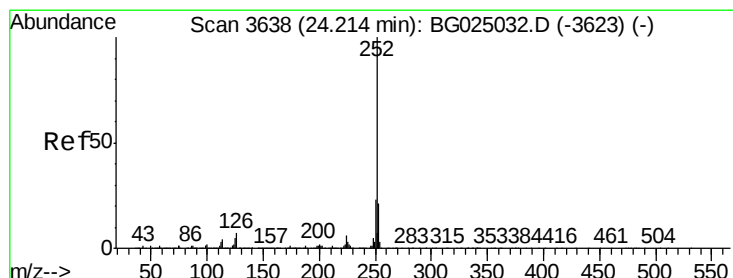
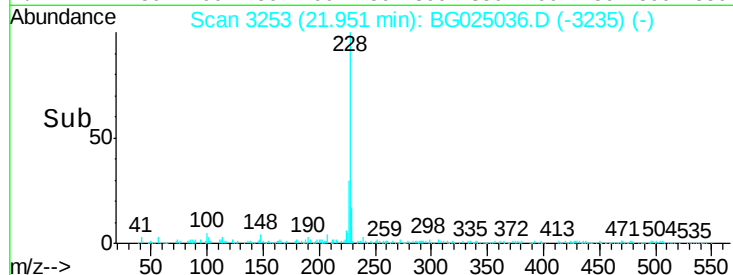
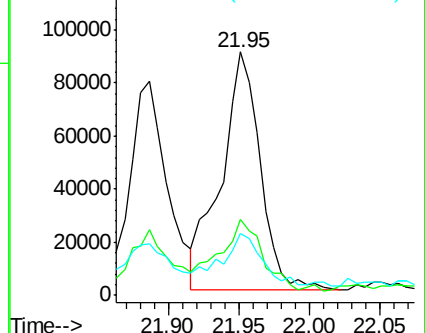
229 25.2 16.9 25.3



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



#85

Benzo(b)fluoranthene

Concen: 4.63 ng/ul

RT: 24.23 min Scan# 3641

Delta R.T. 0.02 min

Lab File: BG025036.D

Acq: 9 Dec 2016 12:48

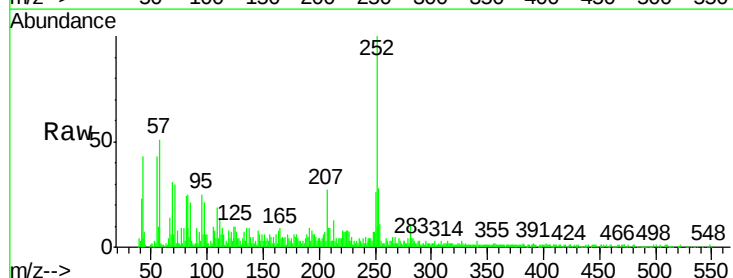
Tgt Ion:252 Resp: 275364

Ion Ratio Lower Upper

252 100

253 27.8 17.7 26.5#

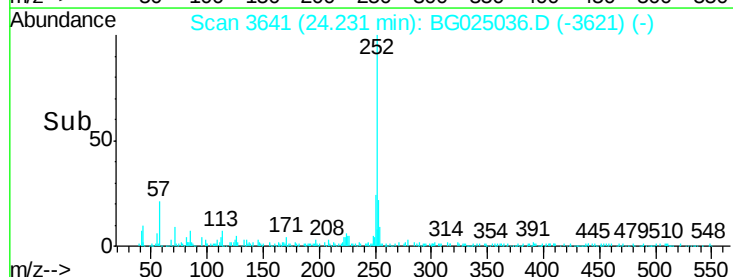
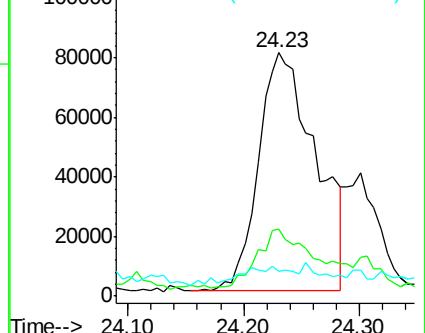
125 9.9 4.0 6.0#

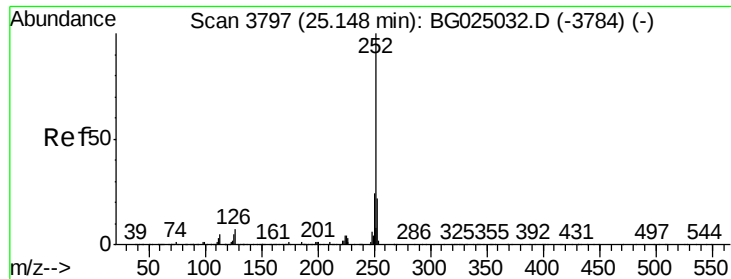


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 2.64 ng/ul

RT: 25.17 min Scan# 3801

Delta R.T. 0.02 min

Lab File: BG025036.D

Acq: 9 Dec 2016 12:48

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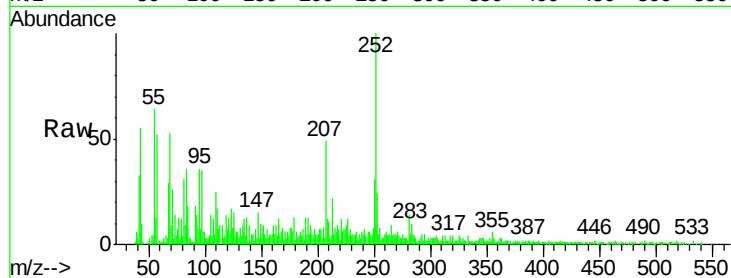
Tgt Ion:252 Resp: 150868

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

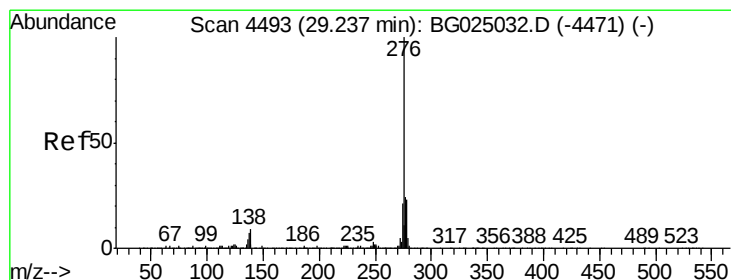
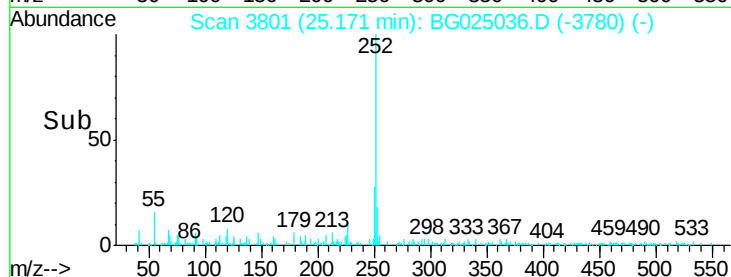
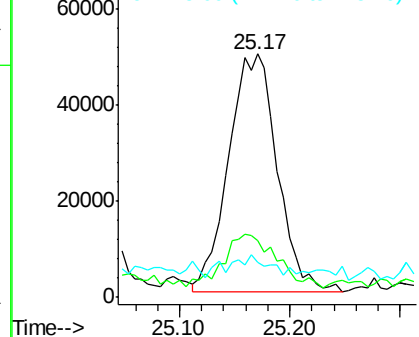
125 14.6 5.4 8.0#



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: 1.69 ng/ul

RT: 29.26 min Scan# 4497

Delta R.T. 0.02 min

Lab File: BG025036.D

Acq: 9 Dec 2016 12:48

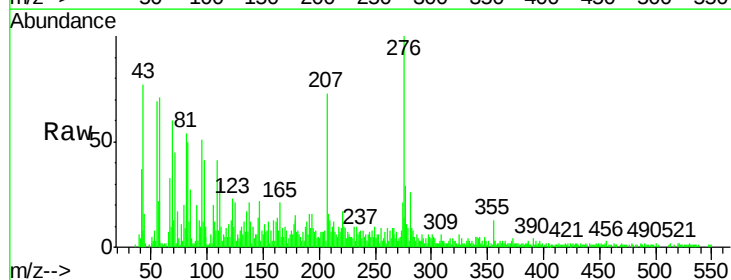
Tgt Ion:276 Resp: 119949

Ion Ratio Lower Upper

276 100

138 8.9 8.2 12.4

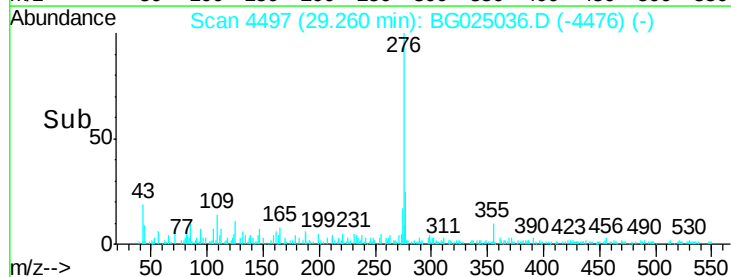
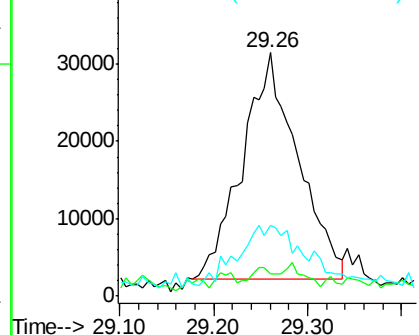
277 29.3 18.6 28.0#

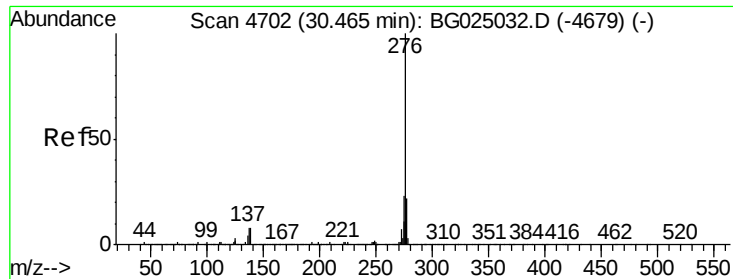


Abundance Ion 276.00 (275.70 to 276.70): E

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: 1.70 ng/ul

RT: 30.49 min Scan# 4707

Delta R.T. 0.03 min

Lab File: BG025036.D

Acq: 9 Dec 2016 12:48

Instrument :

BNA_G

ClientSampleId :

DA7Y6

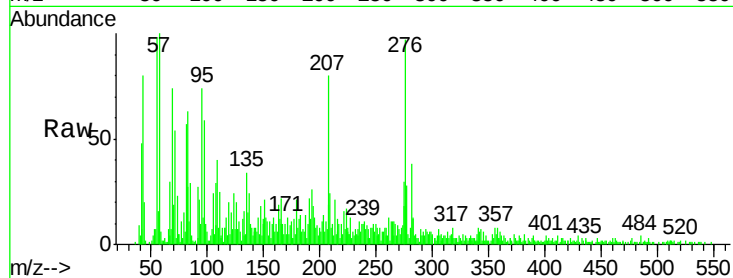
Tgt Ion: 276 Resp: 100587

Ion Ratio Lower Upper

276 100

138 10.3 8.6 12.8

277 28.8 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

