

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
 Data File : BG025161.D
 Acq On : 14 Dec 2016 1:25
 Operator : UM/SJ
 Sample : H5992-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P035-P036-PCS-03

Quant Time: Dec 14 03:24:36 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 14 03:19:35 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	95597	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	418773	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	310458	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	609799	20.00	ng/ul	0.00
75) Chrysene-d12	21.91	240	728325	20.00	ng/ul	0.01
83) Perylene-d12	25.40	264	525611	20.00	ng/ul	0.08

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	8449	4.57	ng/uL	0.00
5) Phenol-d5	7.39	99	250983	30.43	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	162552	31.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	174826	30.31	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	204990	29.74	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	96513	32.55	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	116039	31.39	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	220384	31.00	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	93788	13.42	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	672845	31.51	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	806547	34.48	ng/ul	0.00
51) 4-Nitrophenol-d4	15.07	143	97333	26.52	ng/ul	0.00
57) Fluorene-d10	15.85	176	604347	30.07	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	84994	22.54	ng/ul	0.00
70) Anthracene-d10	17.70	188	858568	33.36	ng/ul	0.00
76) Pyrene-d10	19.98	212	953249	31.78	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.16	264	1056414	49.60	ng/ul	0.08

Target Compounds

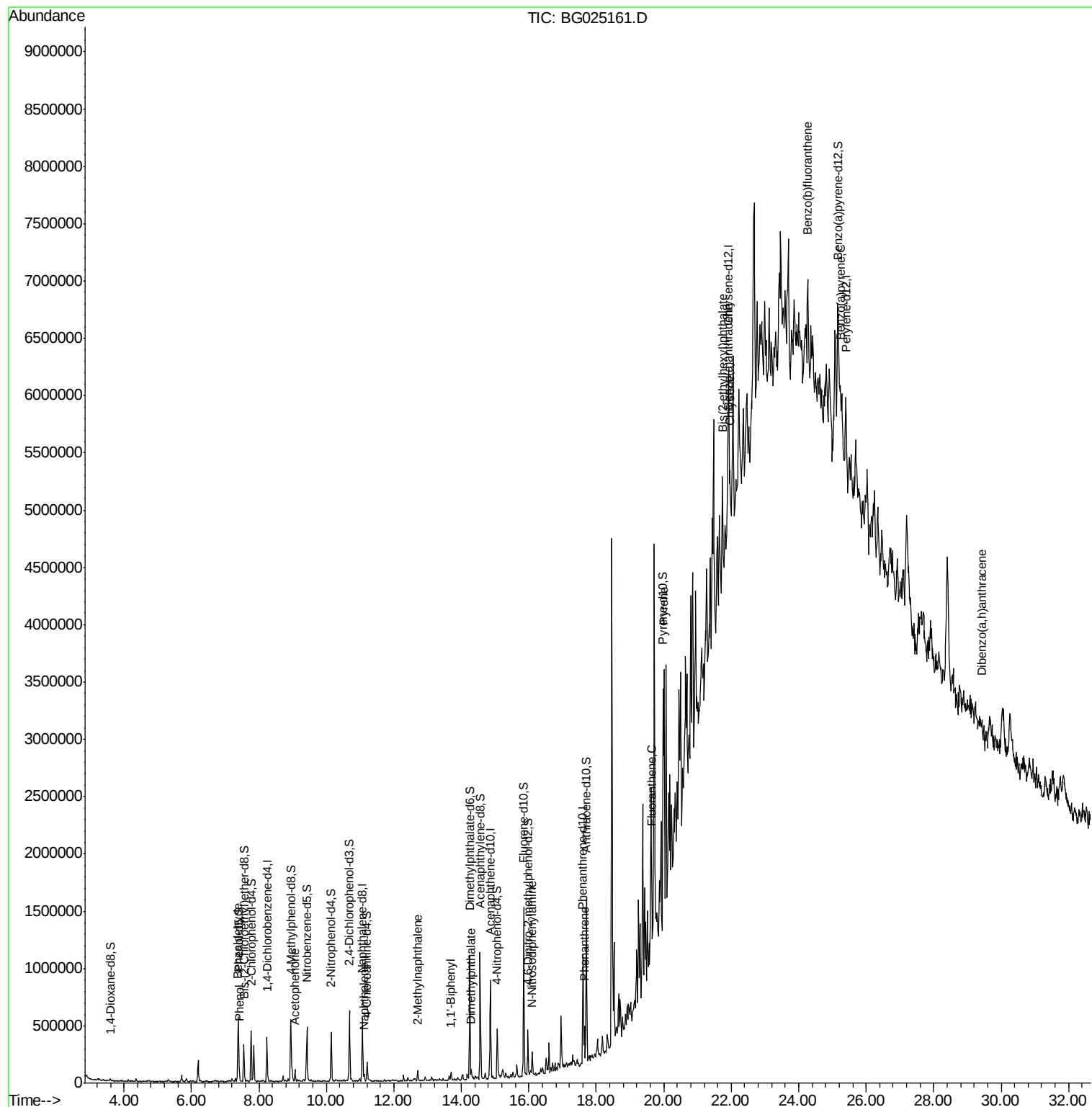
					Qvalue
4) Benzaldehyde	7.38	77	67171	10.82 ng/ul	93
6) Phenol	7.42	94	23390	2.76 ng/ul	91
14) Acetophenone	9.07	105	46102	4.40 ng/ul	96
28) Naphthalene	11.11	128	46026	2.36 ng/ul	98
34) 2-Methylnaphthalene	12.70	142	40072	2.61 ng/ul	89
40) 1,1'-Biphenyl	13.69	154	36851	1.96 ng/ul#	97
44) Dimethylphthalate	14.30	163	45320	2.16 ng/ul#	94
64) N-Nitrosodiphenylamine	16.10	169	78418	5.00 ng/ul	96
69) Phenanthrene	17.65	178	212848	7.31 ng/ul	98
74) Fluoranthene	19.64	202	102922	2.98 ng/ul#	95
77) Pyrene	20.01	202	499056	14.25 ng/ul#	90
80) Benzo(a)anthracene	21.89	228	185257	4.90 ng/ul#	24
81) Bis(2-ethylhexyl)phthalate	21.74	149	351620	18.64 ng/ul#	91
82) Chrysene	21.96	228	413564	11.68 ng/ul#	79
85) Benzo(b)fluoranthene	24.27	252	277477	10.65 ng/ul#	52
88) Benzo(a)pyrene	25.23	252	136808	5.46 ng/ul#	32
90) Dibenzo(a,h)anthracene	29.43	278	39132	1.49 ng/ul#	1

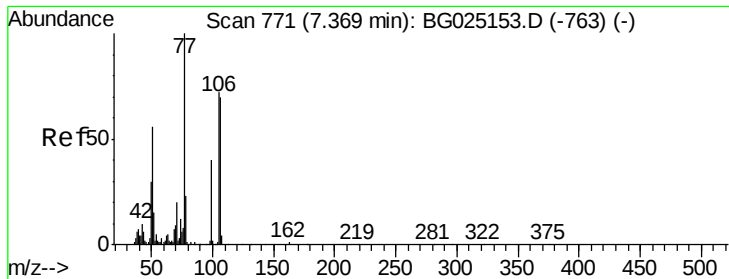
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 10.82 ng/ul

RT: 7.38 min Scan# 772

Delta R.T. 0.01 min

Lab File: BG025161.D

Acq: 14 Dec 2016 1:25

Instrument :

BNA_G

ClientSampleId :

P035-P036-PCS-03

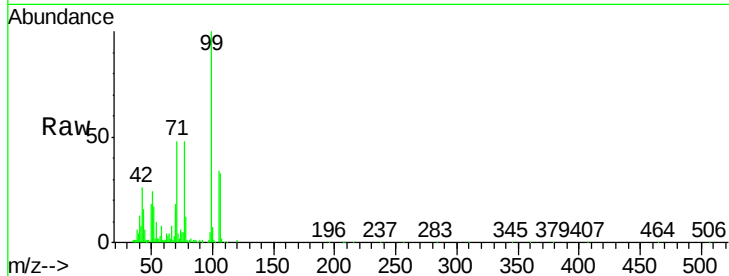
Tgt Ion: 77 Resp: 67171

Ion Ratio Lower Upper

77 100

105 70.6 62.0 93.0

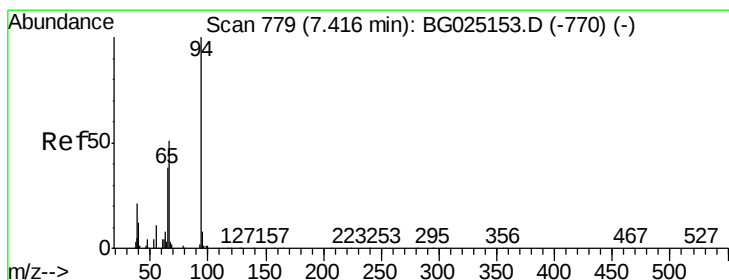
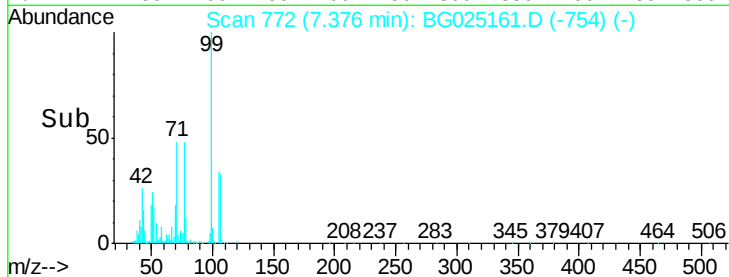
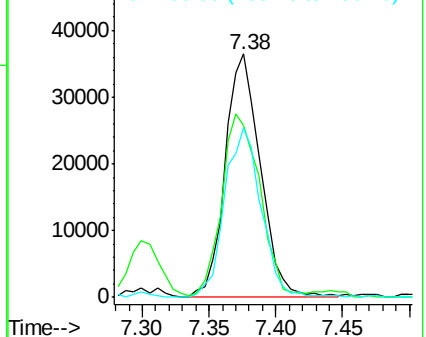
106 69.7 60.2 90.4



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#6

Phenol

Concen: 2.76 ng/ul

RT: 7.42 min Scan# 779

Delta R.T. 0.00 min

Lab File: BG025161.D

Acq: 14 Dec 2016 1:25

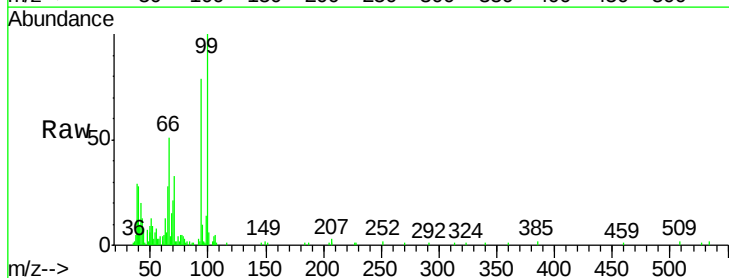
Tgt Ion: 94 Resp: 23390

Ion Ratio Lower Upper

94 100

65 35.3 26.8 40.2

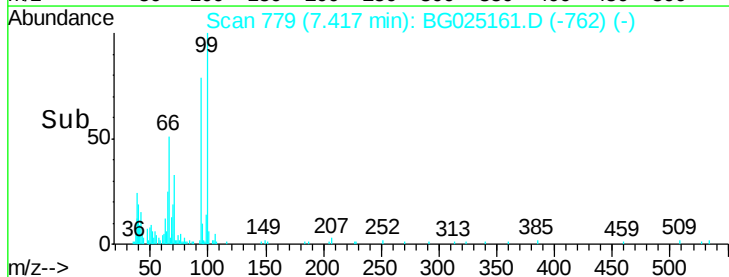
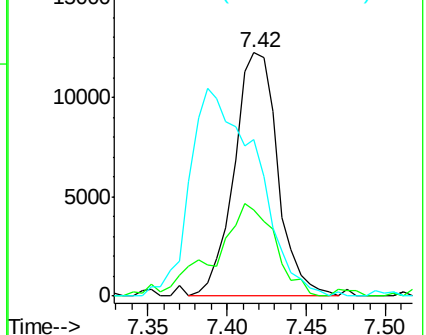
66 64.3 44.4 66.6

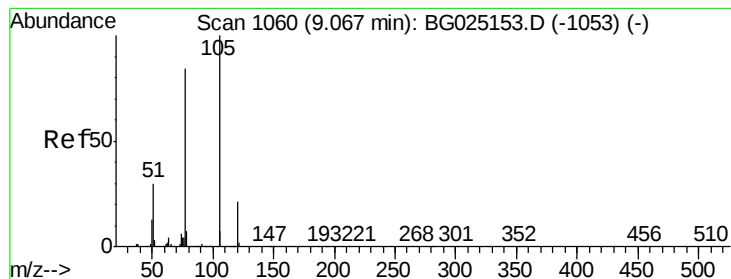


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#14

Acetophenone

Concen: 4.40 ng/ul

RT: 9.07 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BG025161.D

Acq: 14 Dec 2016 1:25

Instrument :

BNA_G

ClientSampleId :

P035-P036-PCS-03

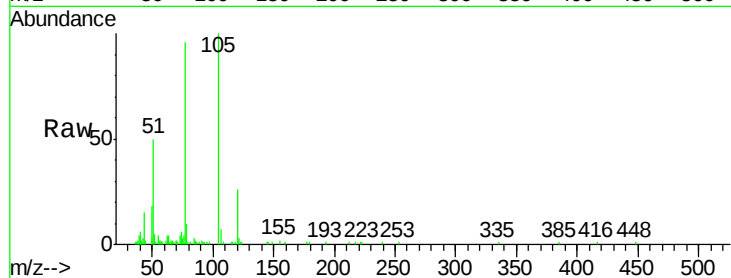
Tgt Ion:105 Resp: 46102

Ion Ratio Lower Upper

105 100

77 96.0 76.0 114.0

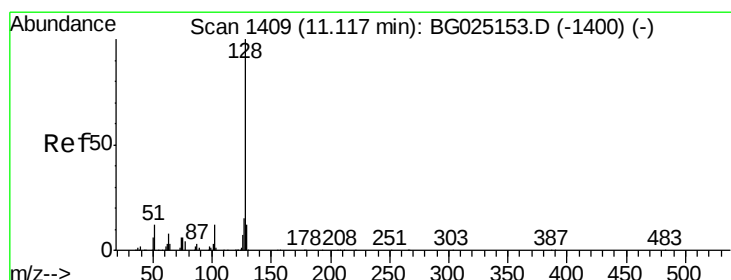
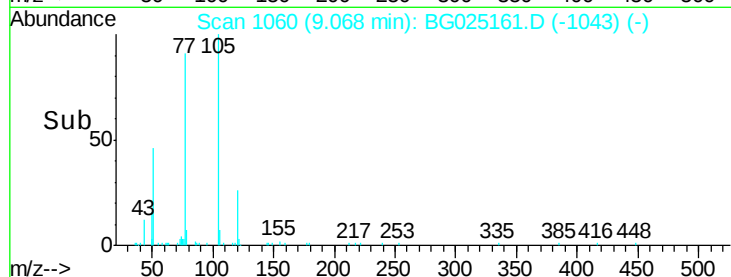
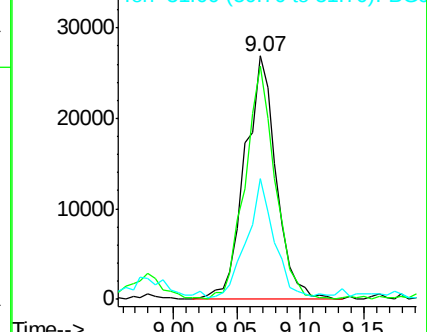
51 49.7 34.8 52.2



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#28

Naphthalene

Concen: 2.36 ng/ul

RT: 11.11 min Scan# 1408

Delta R.T. -0.00 min

Lab File: BG025161.D

Acq: 14 Dec 2016 1:25

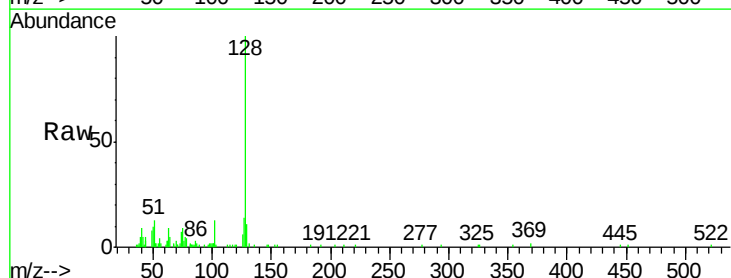
Tgt Ion:128 Resp: 46026

Ion Ratio Lower Upper

128 100

129 11.3 9.4 14.2

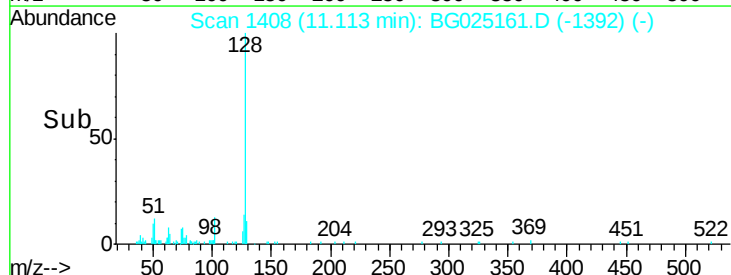
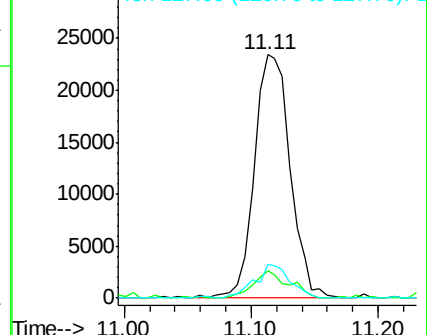
127 13.9 10.3 15.5

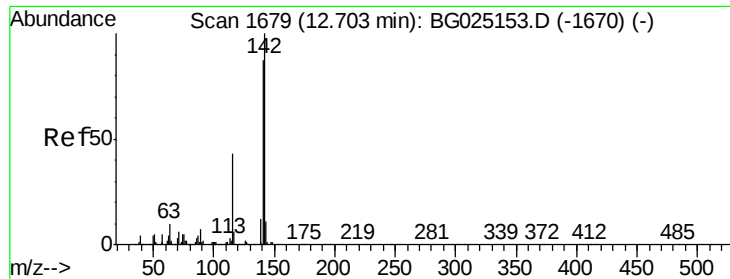


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

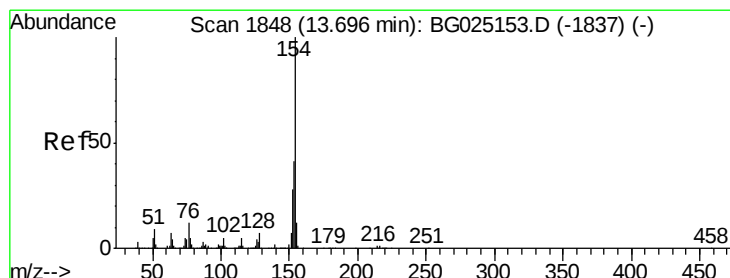
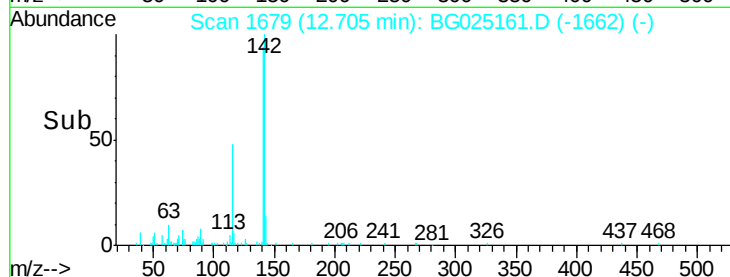
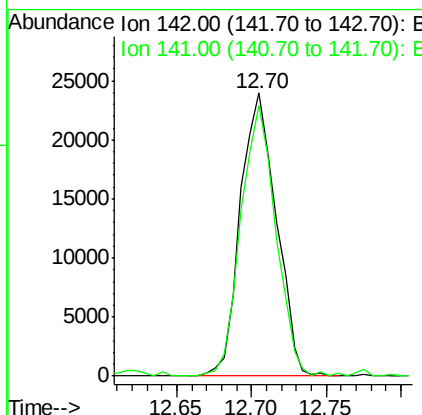
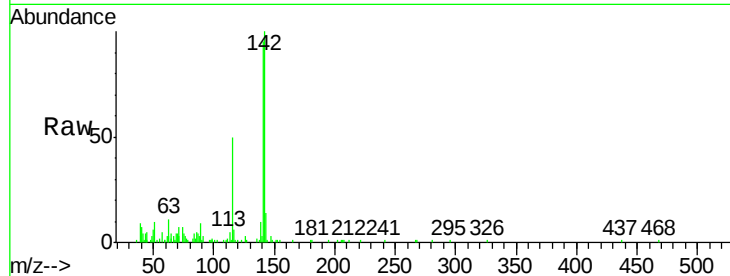




#34
 2-Methylnaphthalene
 Concen: 2.61 ng/ul
 RT: 12.70 min Scan# 1679
 Delta R.T. 0.00 min
 Lab File: BG025161.D
 Acq: 14 Dec 2016 1:25

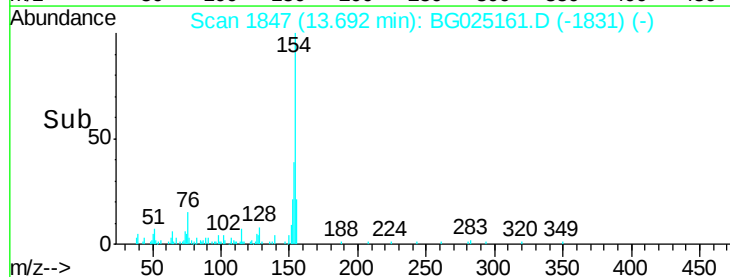
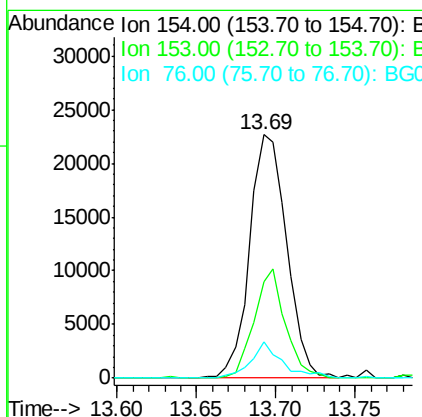
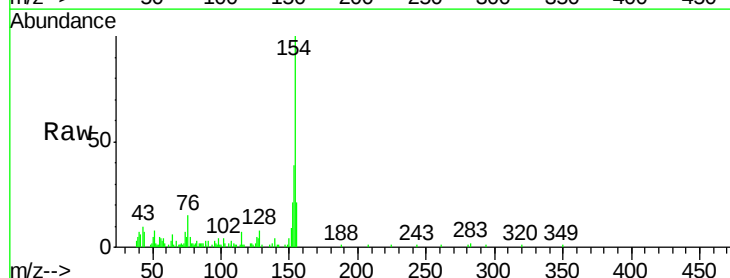
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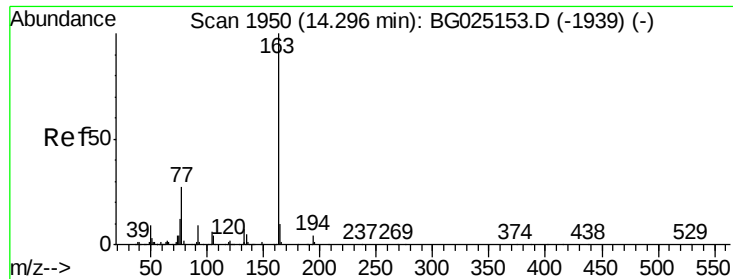
Tgt Ion:142 Resp: 40072
 Ion Ratio Lower Upper
 142 100
 141 95.5 68.6 102.8



#40
 1,1'-Biphenyl
 Concen: 1.96 ng/ul
 RT: 13.69 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: BG025161.D
 Acq: 14 Dec 2016 1:25

Tgt Ion:154 Resp: 36851
 Ion Ratio Lower Upper
 154 100
 153 39.4 32.2 48.2
 76 14.9 9.6 14.4#





#44

Dimethylphthalate

Concen: 2.16 ng/ul

RT: 14.30 min Scan# 1950

Delta R.T. 0.00 min

Lab File: BG025161.D

Acq: 14 Dec 2016 1:25

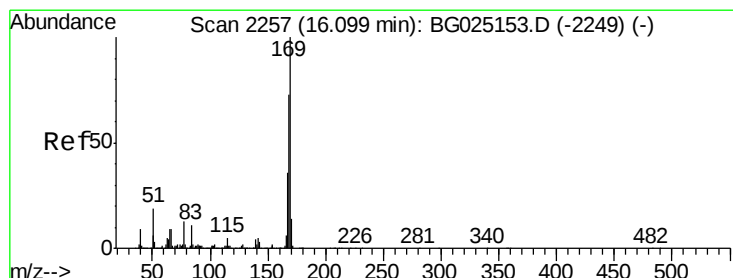
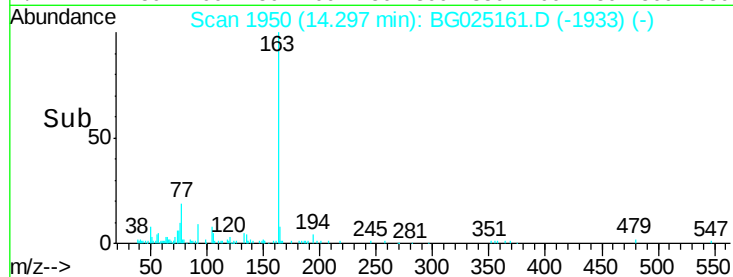
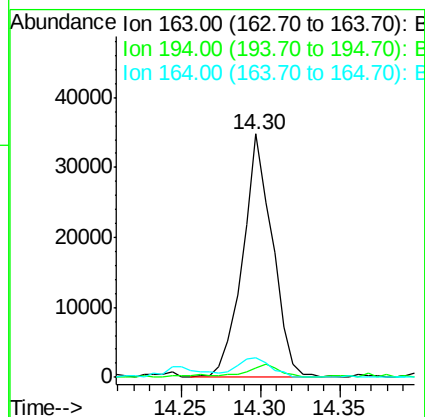
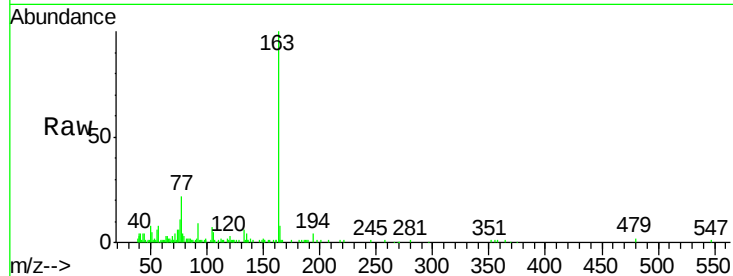
Instrument :

BNA_G

ClientSampleId :

P035-P036-PCS-03

Tgt Ion:	163	Resp:	45320
Ion Ratio		Lower	Upper
163	100		
194	3.9	3.4	5.0
164	8.2	9.0	13.4#



#64

N-Nitrosodiphenylamine

Concen: 5.00 ng/ul

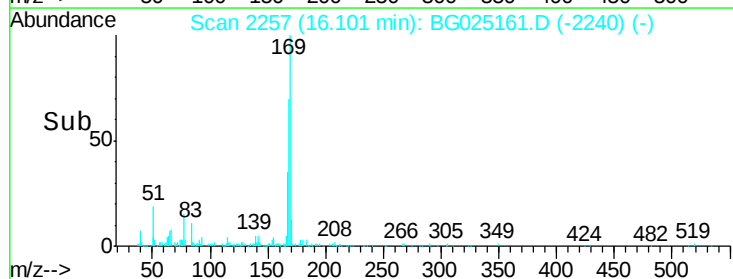
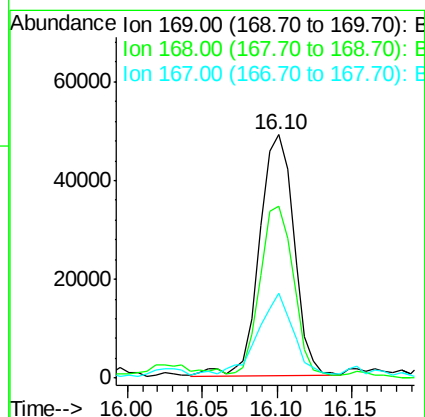
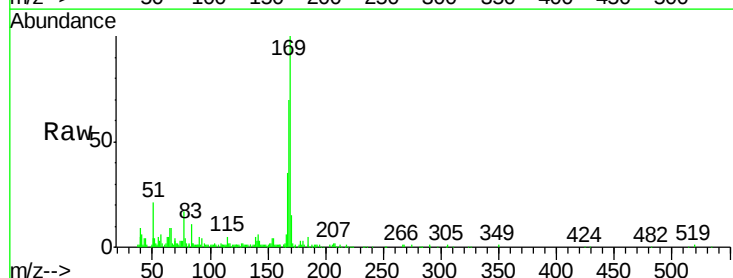
RT: 16.10 min Scan# 2257

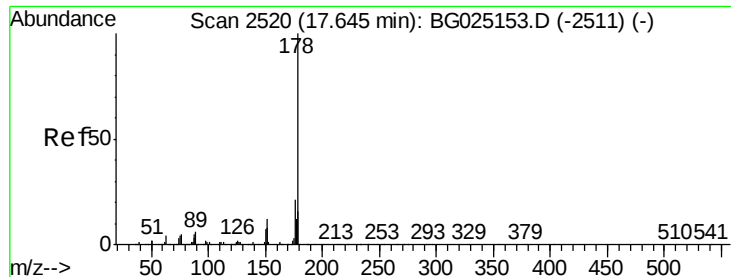
Delta R.T. 0.00 min

Lab File: BG025161.D

Acq: 14 Dec 2016 1:25

Tgt Ion:	169	Resp:	78418
Ion Ratio		Lower	Upper
169	100		
168	70.5	59.1	88.7
167	35.0	29.7	44.5





#69

Phenanthrene

Concen: 7.31 ng/ul

RT: 17.65 min Scan# 2520

Delta R.T. 0.00 min

Lab File: BG025161.D

Acq: 14 Dec 2016 1:25

Instrument :

BNA_G

ClientSampleId :

P035-P036-PCS-03

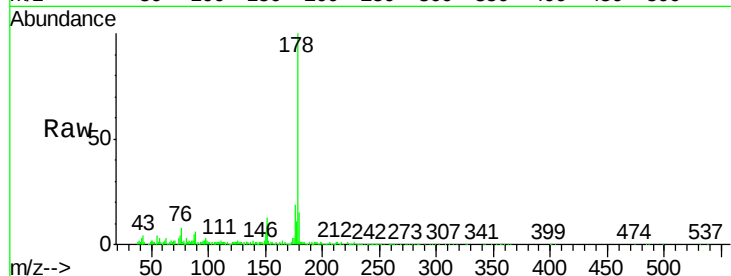
Tgt Ion:178 Resp: 212848

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

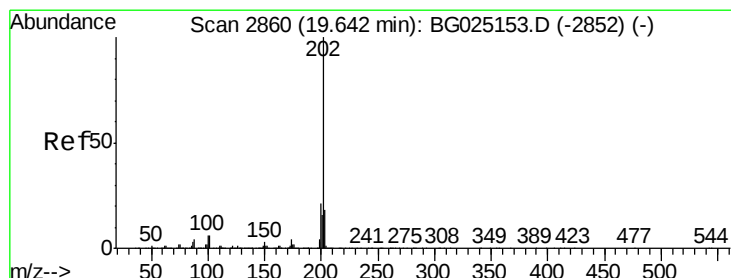
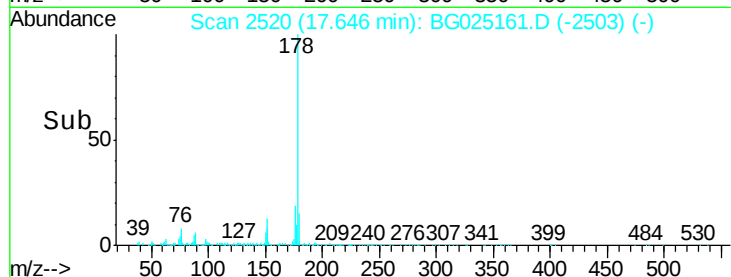
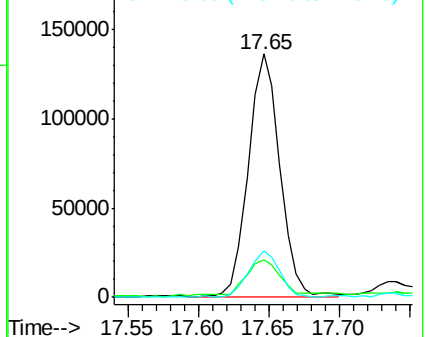
176 19.2 16.5 24.7



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: 2.98 ng/ul

RT: 19.64 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BG025161.D

Acq: 14 Dec 2016 1:25

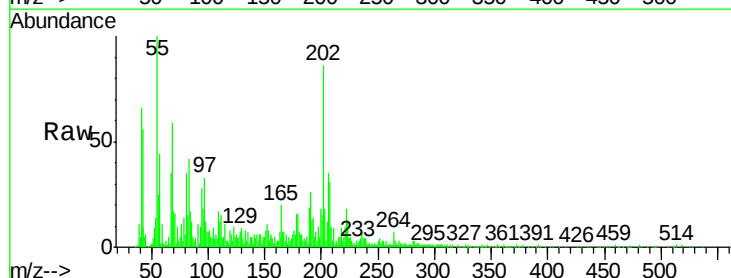
Tgt Ion:202 Resp: 102922

Ion Ratio Lower Upper

202 100

101 9.6 6.2 9.2#

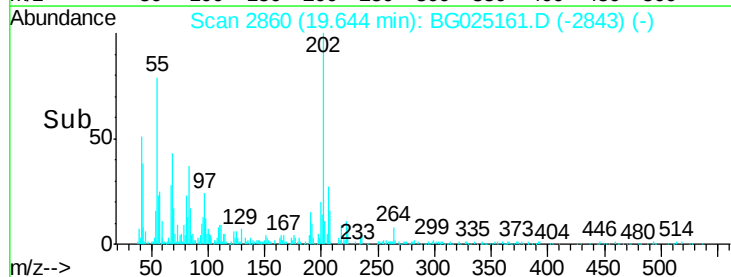
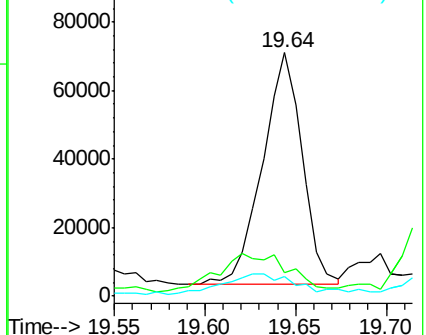
100 8.0 5.2 7.8#

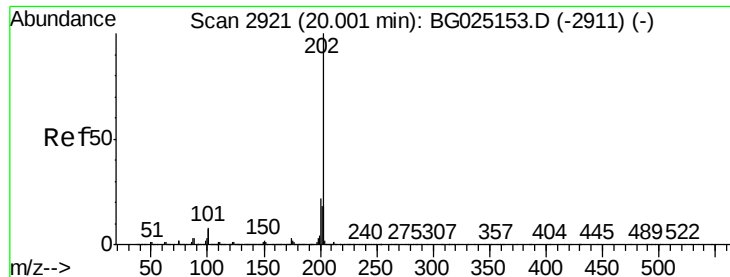


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 14.25 ng/ul

RT: 20.01 min Scan# 2922

Delta R.T. 0.01 min

Lab File: BG025161.D

Acq: 14 Dec 2016 1:25

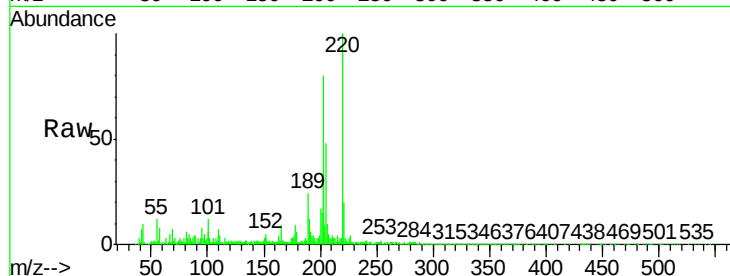
Instrument :

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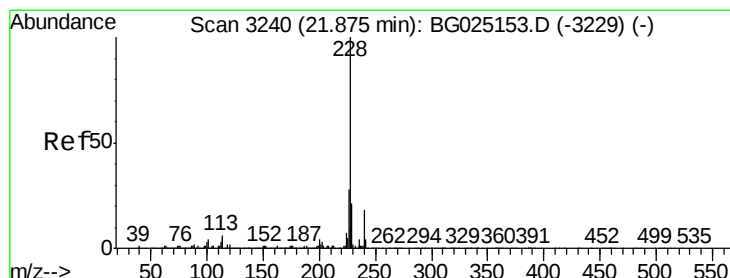
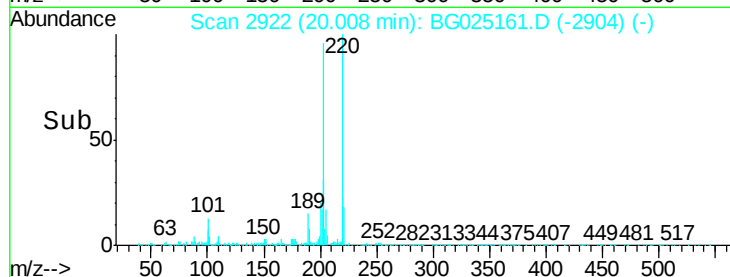
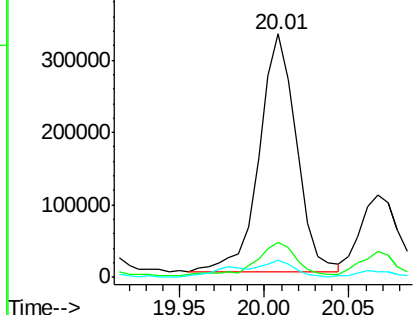
Tgt Ion:	202	Resp:	499056
Ion Ratio	Lower	Upper	
202	100		
101	14.6	6.9	10.3#
100	7.2	6.6	10.0



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



#80

Benzo(a)anthracene

Concen: 4.90 ng/ul

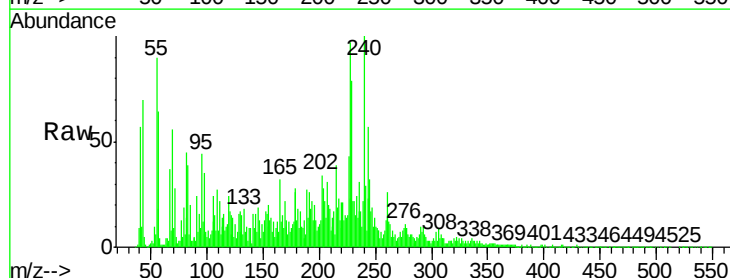
RT: 21.89 min Scan# 3243

Delta R.T. 0.02 min

Lab File: BG025161.D

Acq: 14 Dec 2016 1:25

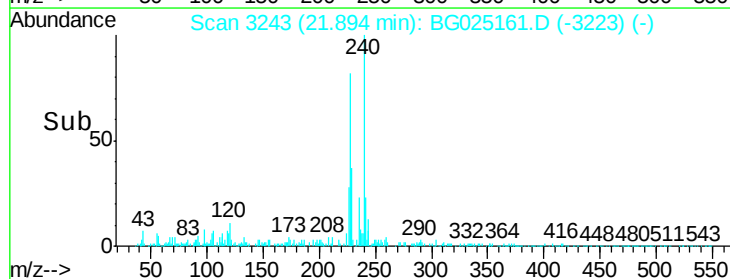
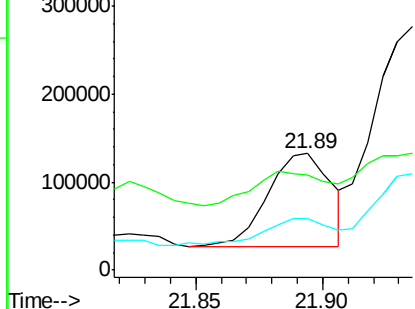
Tgt Ion:	228	Resp:	185257
Ion Ratio	Lower	Upper	
228	100		
229	81.9	16.3	24.5#
226	44.6	21.9	32.9#

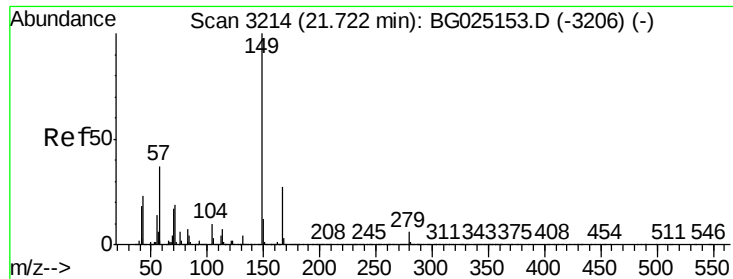


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

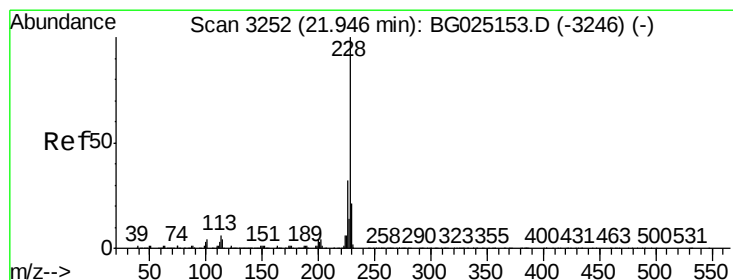
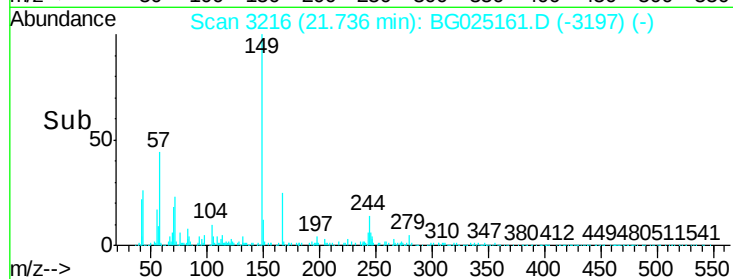
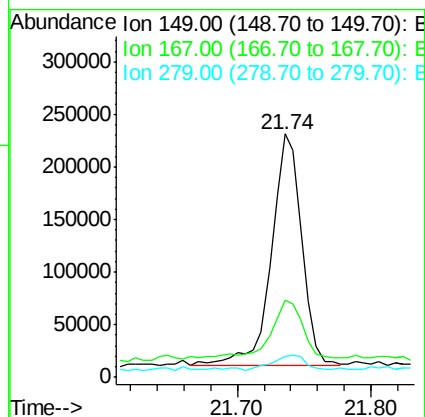
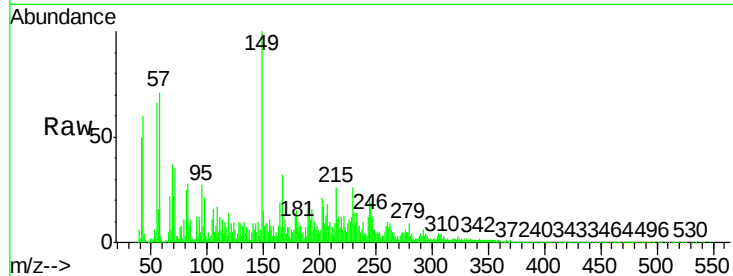




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 18.64 ng/ul
 RT: 21.74 min Scan# 3216
 Delta R.T. 0.01 min
 Lab File: BG025161.D
 Acq: 14 Dec 2016 1:25

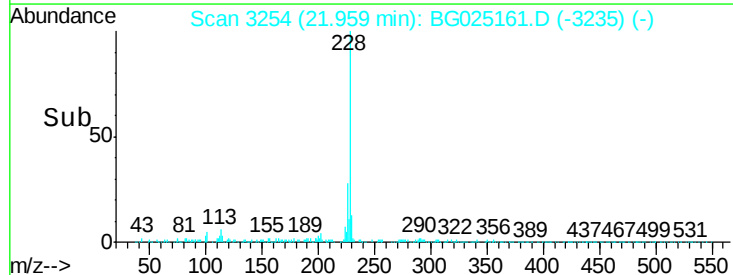
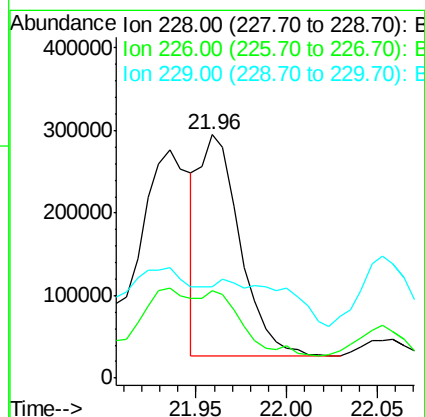
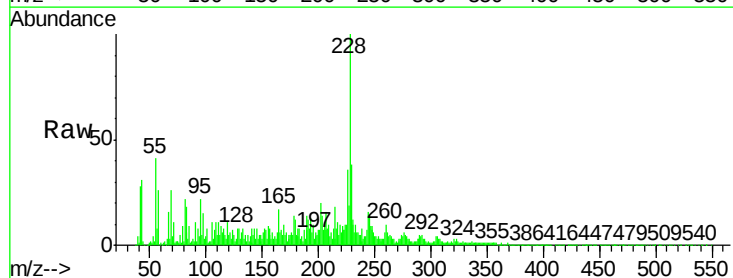
Instrument :
 BNA_G
 ClientSampleId :
 P035-P036-PCS-03

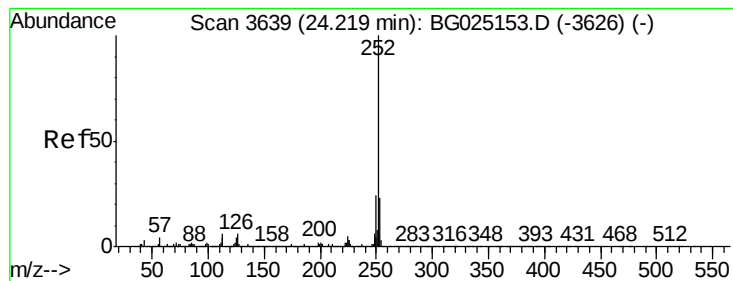
Tgt Ion:149 Resp: 351620
 Ion Ratio Lower Upper
 149 100
 167 31.8 21.8 32.8
 279 8.5 4.5 6.7#



#82
 Chrysene
 Concen: 11.68 ng/ul
 RT: 21.96 min Scan# 3254
 Delta R.T. 0.01 min
 Lab File: BG025161.D
 Acq: 14 Dec 2016 1:25

Tgt Ion:228 Resp: 413564
 Ion Ratio Lower Upper
 228 100
 226 36.1 24.0 36.0#
 229 37.7 16.9 25.3#





#85

Benzo(b)fluoranthene

Concen: 10.65 ng/ul

RT: 24.27 min Scan# 3648

Delta R.T. 0.05 min

Lab File: BG025161.D

Acq: 14 Dec 2016 1:25

Instrument :

BNA_G

ClientSampleId :

P035-P036-PCS-03

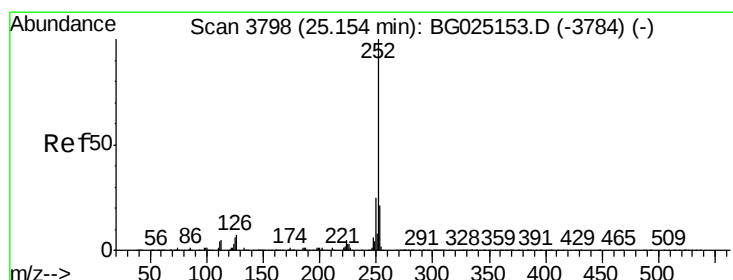
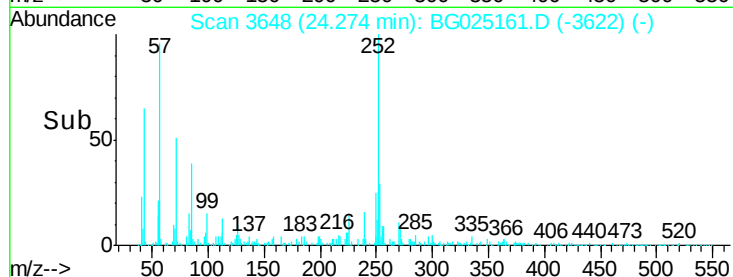
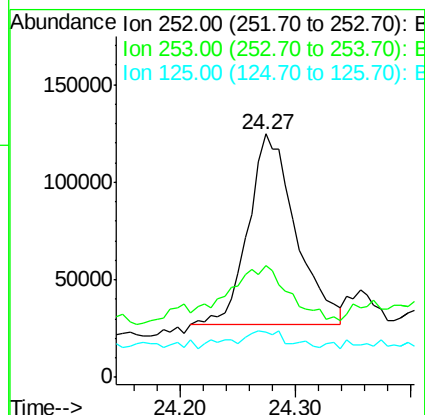
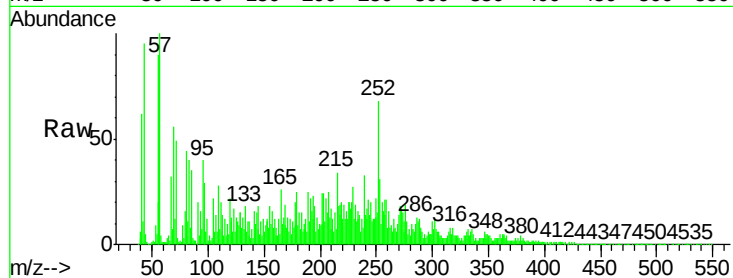
Tgt Ion:252 Resp: 277477

Ion Ratio Lower Upper

252 100

253 45.7 17.7 26.5#

125 18.8 4.0 6.0#



#88

Benzo(a)pyrene

Concen: 5.46 ng/ul

RT: 25.23 min Scan# 3810

Delta R.T. 0.07 min

Lab File: BG025161.D

Acq: 14 Dec 2016 1:25

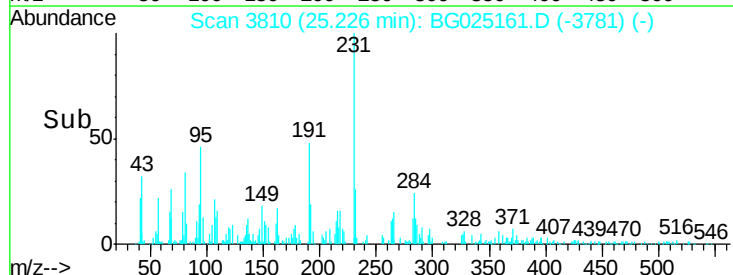
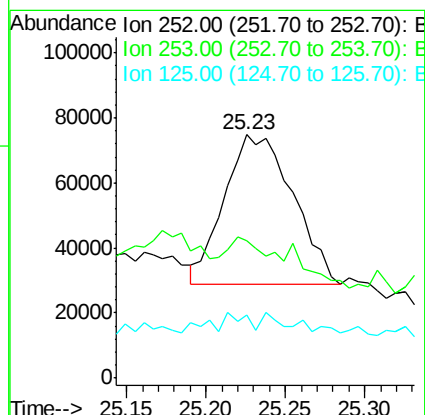
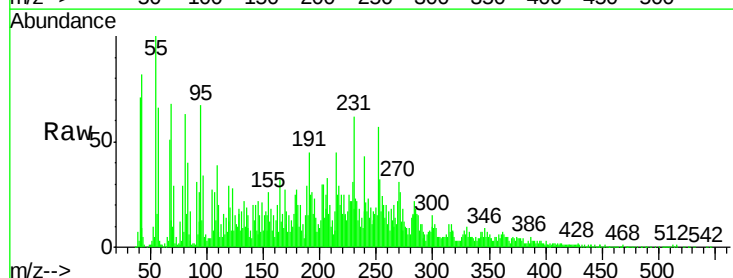
Tgt Ion:252 Resp: 136808

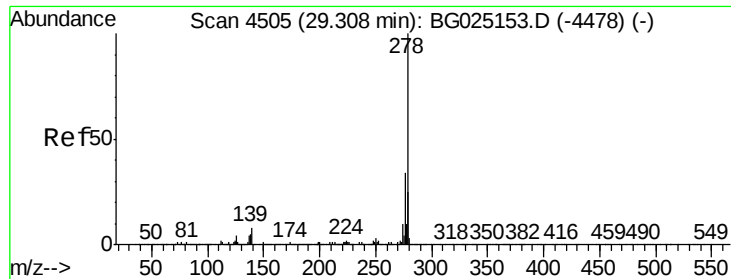
Ion Ratio Lower Upper

252 100

253 56.3 17.8 26.6#

125 26.1 5.4 8.0#





#90

Dibenzo(a,h)anthracene

Concen: 1.49 ng/ul

RT: 29.43 min Scan# 4526

Delta R.T. 0.12 min

Lab File: BG025161.D

Acq: 14 Dec 2016 1:25

Instrument :

BNA_G

ClientSampleId :

P035-P036-PCS-03

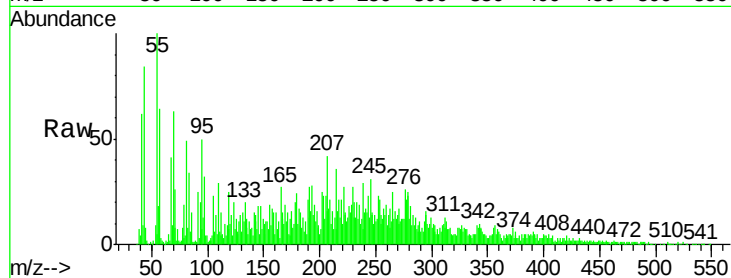
Tgt Ion: 278 Resp: 39132

Ion Ratio Lower Upper

278 100

139 31.8 6.7 10.1#

279 89.9 20.9 31.3#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

