

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
 Data File : BG025156.D
 Acq On : 13 Dec 2016 22:09
 Operator : UM/SJ
 Sample : H5990-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P006-PCS-03

Quant Time: Dec 14 03:22:39 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	101382	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	422275	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	310271	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	607084	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	741982	20.00	ng/ul	0.00
83) Perylene-d12	25.31	264	1292	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	9449	4.81	ng/uL	0.00
5) Phenol-d5	7.38	99	255112	29.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	171214	31.64	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	179389	29.33	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	211218	28.90	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	99304	33.21	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	120977	32.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	223428	31.16	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	104512	14.83	ng/ul	0.01
43) Dimethylphthalate-d6	14.25	166	691188	32.39	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	807574	34.55	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	101221	27.60	ng/ul	0.00
57) Fluorene-d10	15.85	176	625648	31.14	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	104316	27.79	ng/ul	0.00
70) Anthracene-d10	17.70	188	910446	35.53	ng/ul	0.00
76) Pyrene-d10	19.98	212	1023499	33.49	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.05	264	10721	204.79	ng/ul	-0.02

Target Compounds

					Qvalue
4) Benzaldehyde	7.37	77	30448	4.62 ng/ul	94
6) Phenol	7.41	94	18846	2.10 ng/ul	96
14) Acetophenone	9.07	105	21895	1.97 ng/ul#	81
28) Naphthalene	11.12	128	27992	1.43 ng/ul#	95
34) 2-Methylnaphthalene	12.70	142	22234	1.44 ng/ul#	79
40) 1,1'-Biphenyl	13.69	154	65491	3.48 ng/ul#	94
44) Dimethylphthalate	14.29	163	41266	1.97 ng/ul	96
69) Phenanthrene	17.64	178	150650	5.20 ng/ul	99
73) Di-n-butylphthalate	18.52	149	147970	4.72 ng/ul	97
74) Fluoranthene	19.64	202	45120	1.31 ng/ul#	68
77) Pyrene	20.01	202	137161	3.85 ng/ul#	89
80) Benzo(a)anthracene	21.93	228	713341	18.50 ng/ul#	78
81) Bis(2-ethylhexyl)phthalate	21.73	149	44719	2.33 ng/ul#	16
82) Chrysene	21.93	228	863766	23.95 ng/ul#	82
84) Di-n-octyl phthalate	22.96	149	3610	68.82 ng/ul	100
85) Benzo(b)fluoranthene	24.27	252	335849	5242.25 ng/ul#	53
86) Benzo(k)fluoranthene	24.27	252	303390	4981.68 ng/ul#	55
88) Benzo(a)pyrene	25.07	252	1546809	25110.67 ng/ul#	83
89) Indeno(1,2,3-cd)pyrene	29.27	276	4721	61.67 ng/ul#	1
90) Dibenzo(a,h)anthracene	29.28	278	4946	76.68 ng/ul#	1
91) Benzo(g,h,i)perylene	30.49	276	15077	235.99 ng/ul#	6

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 14 03:19:35 2016
Response via : Initial Calibration

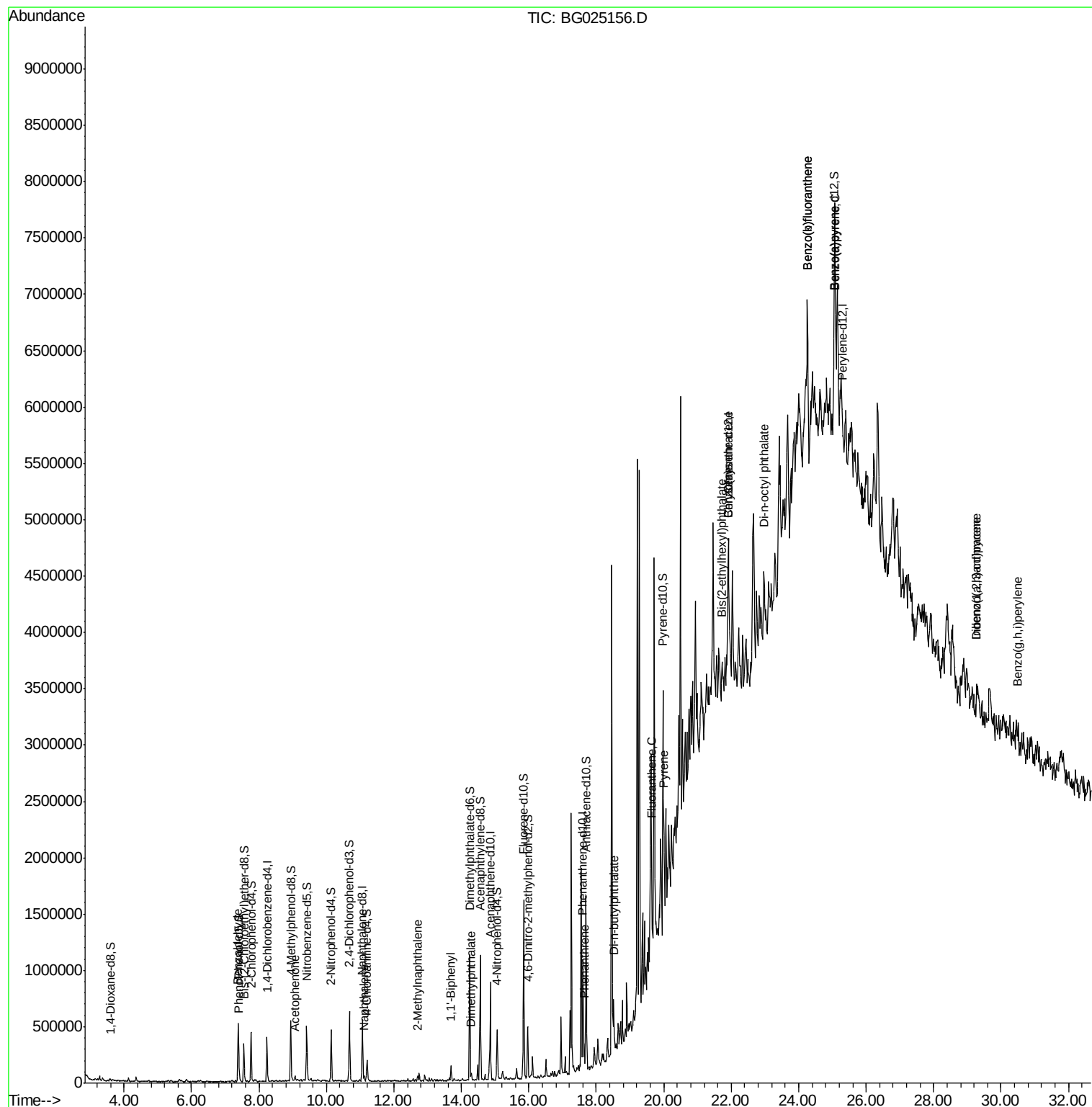
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

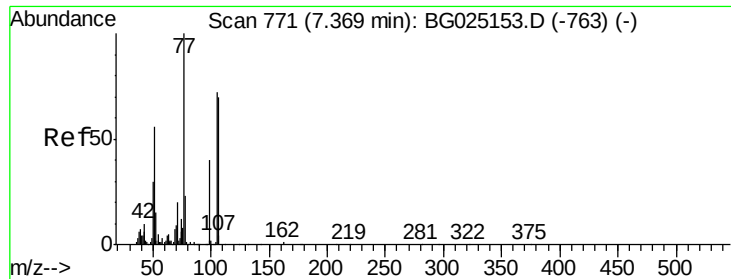
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#4

Benzaldehyde

Concen: 4.62 ng/ul

RT: 7.37 min Scan# 772

Delta R.T. 0.00 min

Lab File: BG025156.D

Acq: 13 Dec 2016 22:09

Instrument :

BNA_G

ClientSampleId :

P006-PCS-03

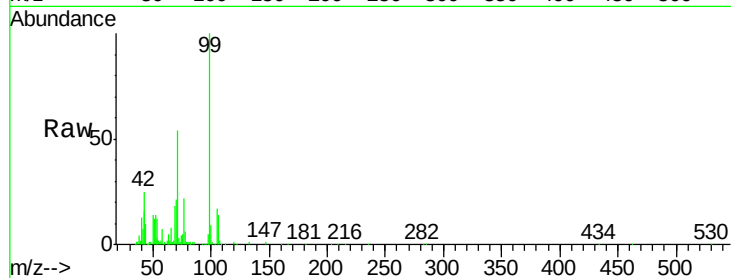
Tgt Ion: 77 Resp: 30448

Ion Ratio Lower Upper

77 100

105 77.8 62.0 93.0

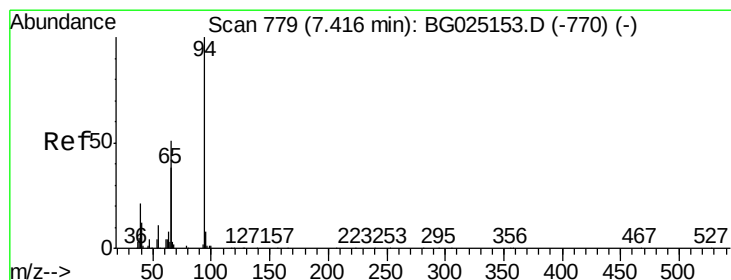
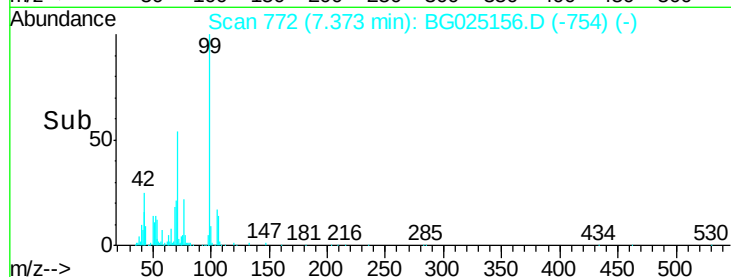
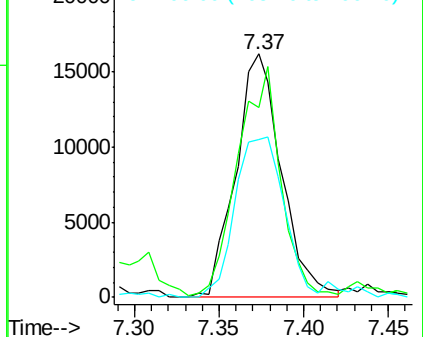
106 65.1 60.2 90.4



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: 2.10 ng/ul

RT: 7.41 min Scan# 778

Delta R.T. -0.01 min

Lab File: BG025156.D

Acq: 13 Dec 2016 22:09

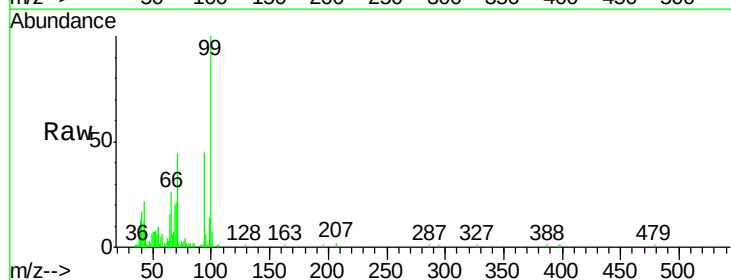
Tgt Ion: 94 Resp: 18846

Ion Ratio Lower Upper

94 100

65 36.4 26.8 40.2

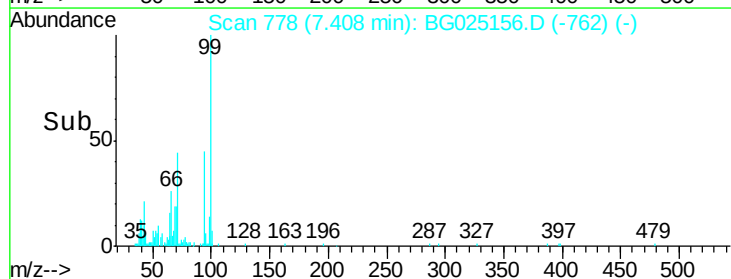
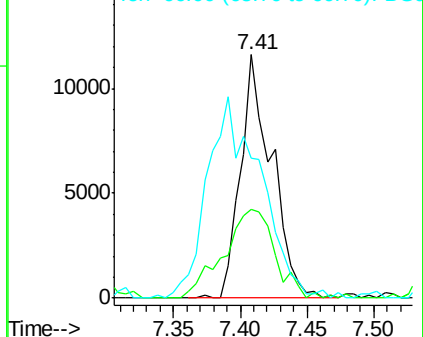
66 57.6 44.4 66.6

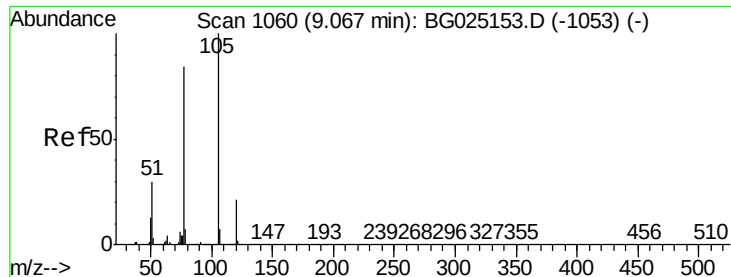


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#14

Acetophenone

Concen: 1.97 ng/ul

RT: 9.07 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BG025156.D

Acq: 13 Dec 2016 22:09

Instrument :

BNA_G

ClientSampleId :

P006-PCS-03

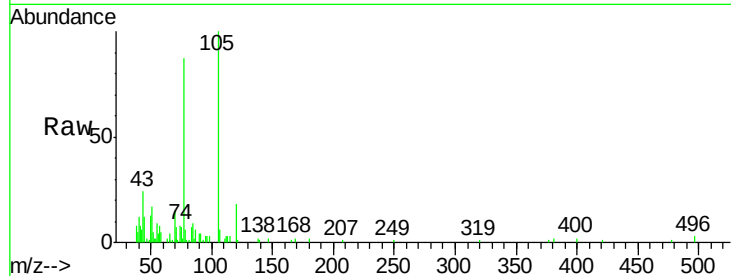
Tgt Ion:105 Resp: 21895

Ion Ratio Lower Upper

105 100

77 86.5 76.0 114.0

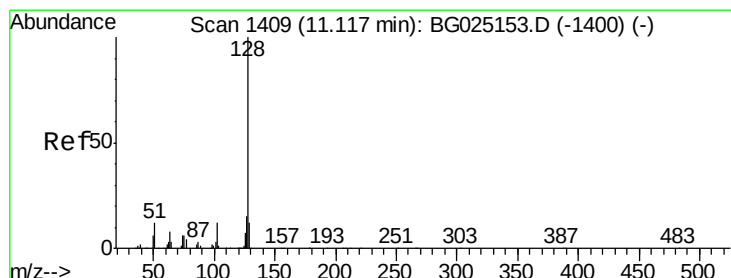
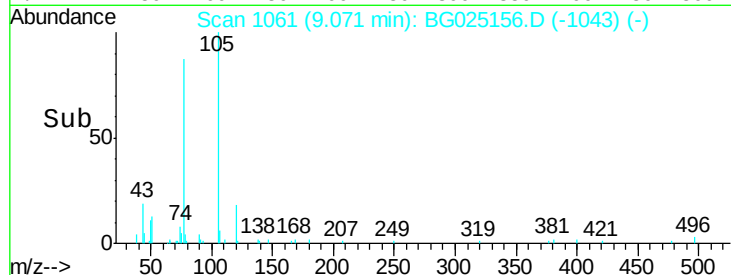
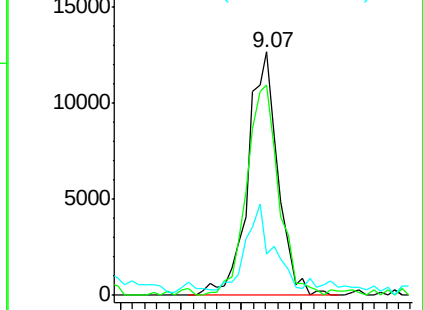
51 17.2 34.8 52.2#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG025153.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): BG025153.D (-1053) (-)



#28

Naphthalene

Concen: 1.43 ng/ul

RT: 11.12 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BG025156.D

Acq: 13 Dec 2016 22:09

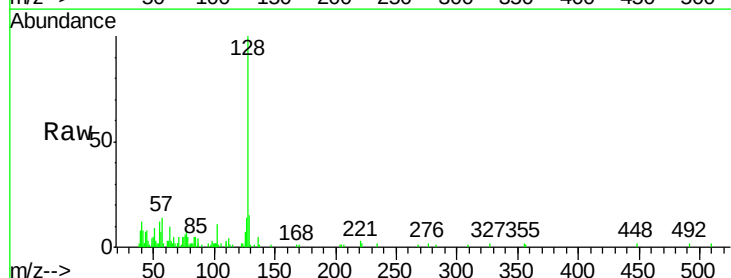
Tgt Ion:128 Resp: 27992

Ion Ratio Lower Upper

128 100

129 14.6 9.4 14.2#

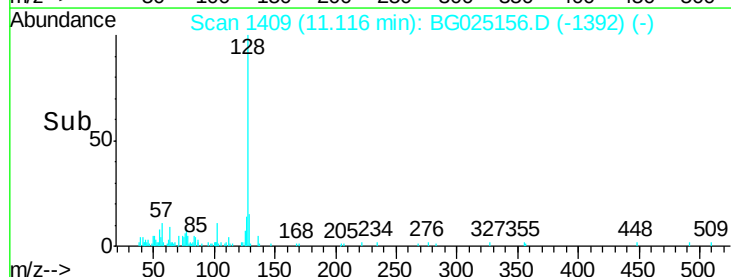
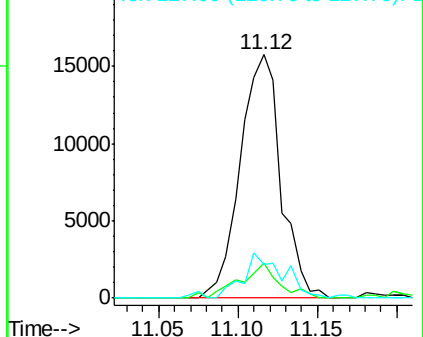
127 14.1 10.3 15.5

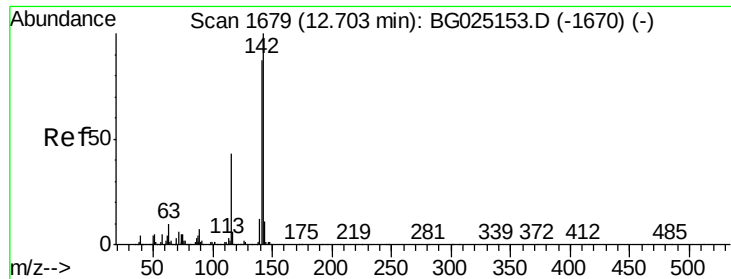


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): BG025153.D (-1400) (-)

Ion 127.00 (126.70 to 127.70): BG025153.D (-1400) (-)





#34

2-Methylnaphthalene

Concen: 1.44 ng/ul

RT: 12.70 min Scan# 1679

Delta R.T. -0.00 min

Lab File: BG025156.D

Acq: 13 Dec 2016 22:09

Instrument :

BNA_G

ClientSampleId :

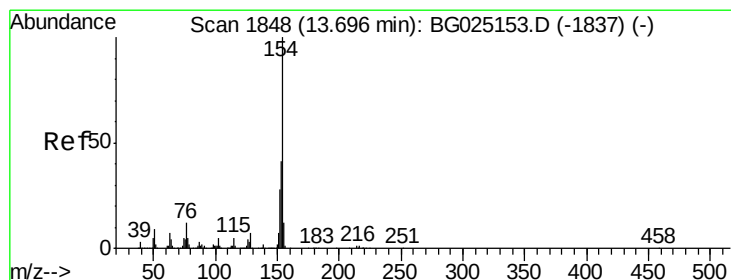
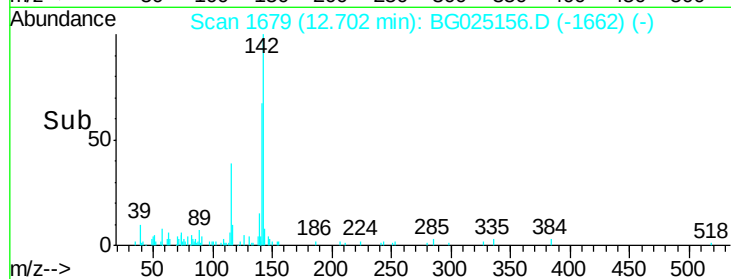
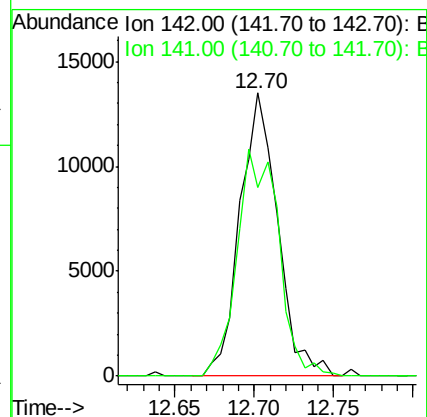
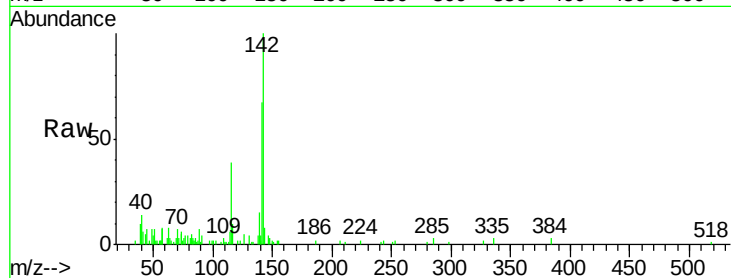
P006-PCS-03

Tgt Ion:142 Resp: 22234

Ion Ratio Lower Upper

142 100

141 66.8 68.6 102.8#



#40

1,1'-Biphenyl

Concen: 3.48 ng/ul

RT: 13.69 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BG025156.D

Acq: 13 Dec 2016 22:09

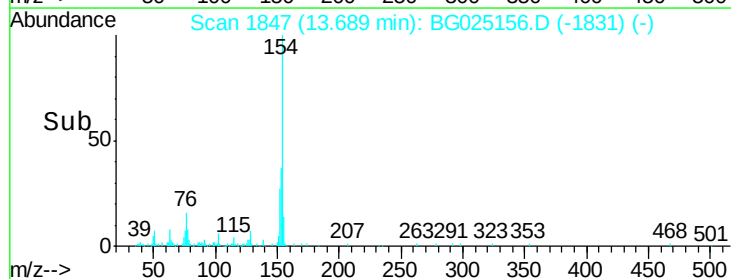
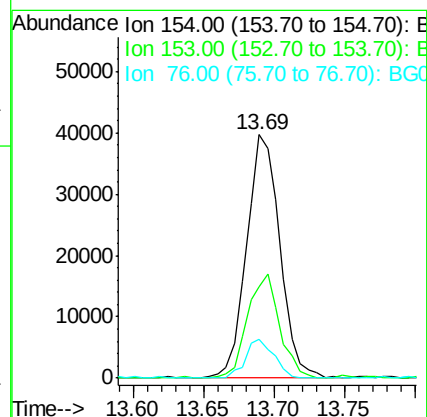
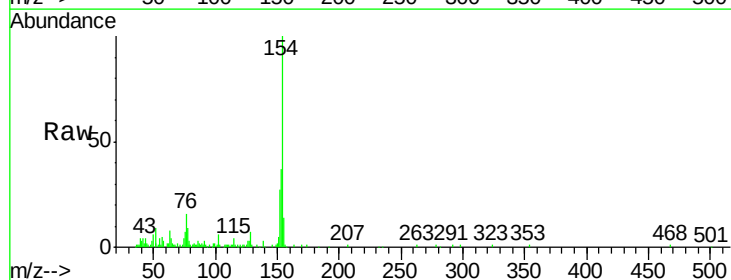
Tgt Ion:154 Resp: 65491

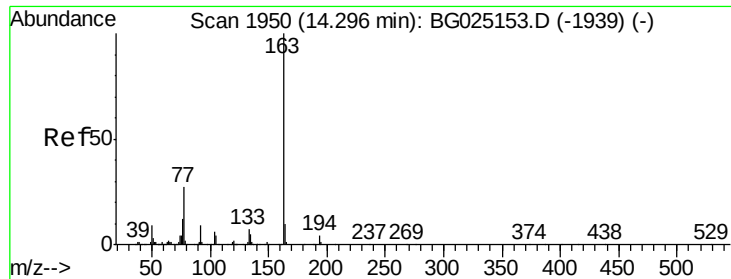
Ion Ratio Lower Upper

154 100

153 37.4 32.2 48.2

76 16.0 9.6 14.4#





#44

Dimethylphthalate

Concen: 1.97 ng/ul

RT: 14.29 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BG025156.D

Acq: 13 Dec 2016 22:09

Instrument :

BNA_G

ClientSampleId :

P006-PCS-03

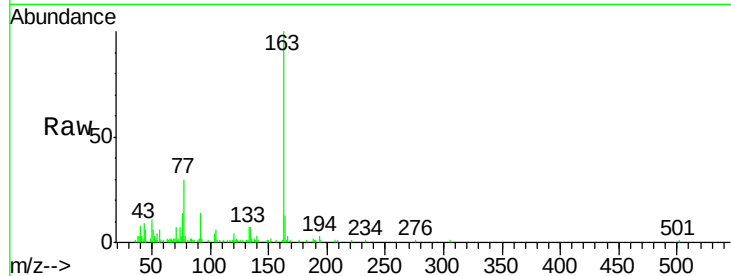
Tgt Ion:163 Resp: 41266

Ion Ratio Lower Upper

163 100

194 3.5 3.4 5.0

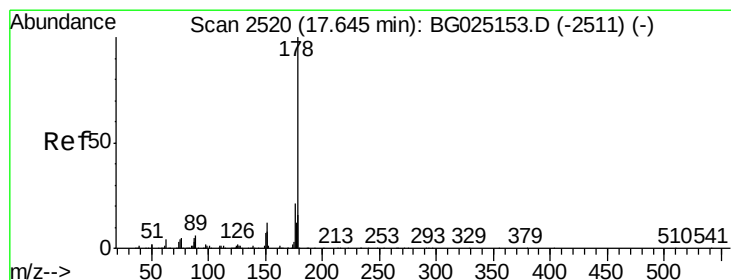
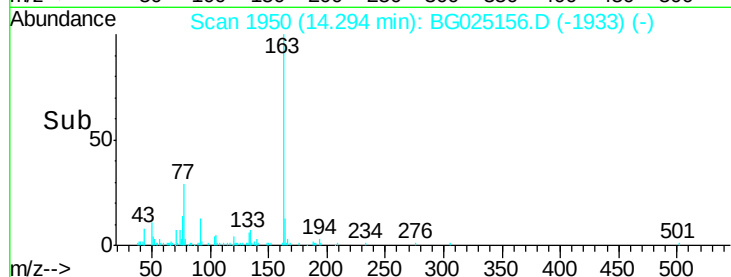
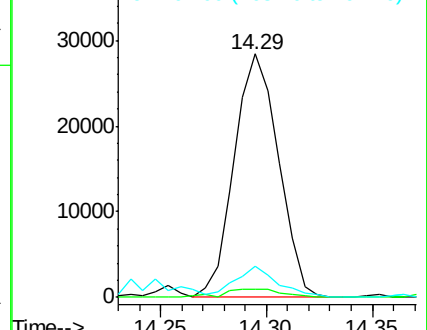
164 13.0 9.0 13.4



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: 5.20 ng/ul

RT: 17.64 min Scan# 2520

Delta R.T. -0.00 min

Lab File: BG025156.D

Acq: 13 Dec 2016 22:09

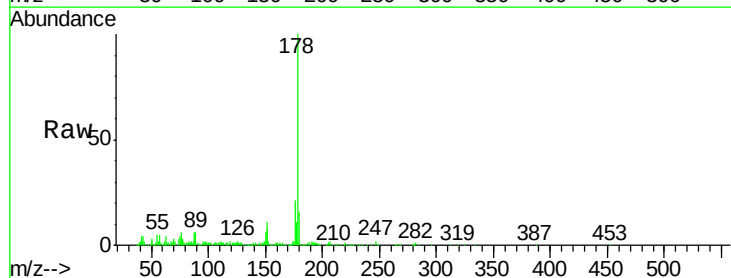
Tgt Ion:178 Resp: 150650

Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

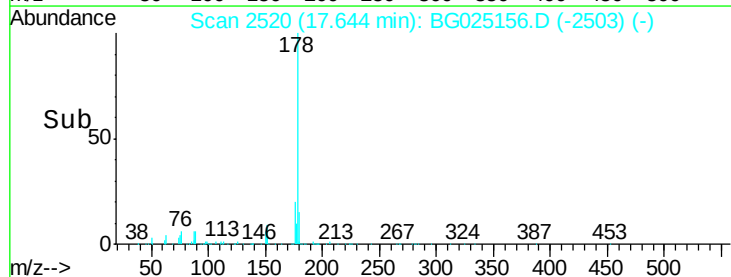
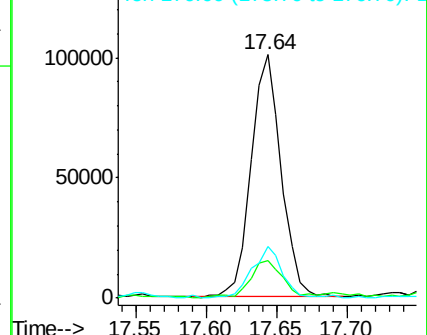
176 21.1 16.5 24.7

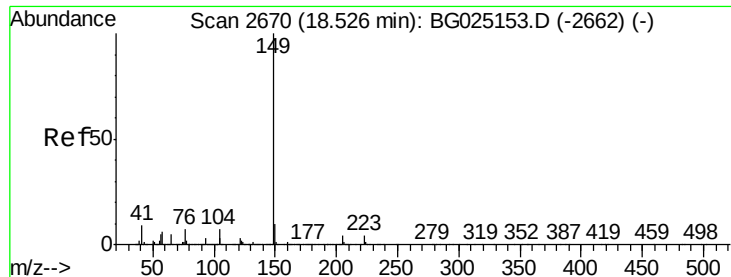


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#73

Di-n-butylphthalate

Concen: 4.72 ng/ul

RT: 18.52 min Scan# 2670

Delta R.T. -0.00 min

Lab File: BG025156.D

Acq: 13 Dec 2016 22:09

Instrument :

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ClientSampleId :

P006-PCS-03

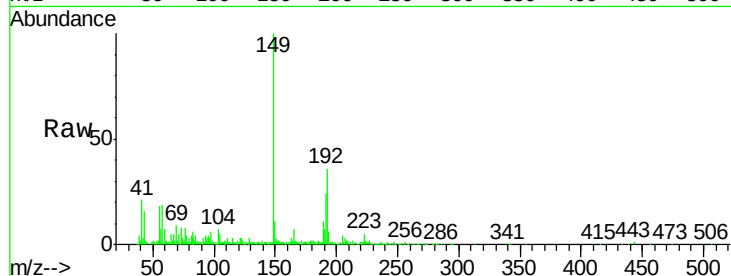
Tgt Ion:149 Resp: 147970

Ion Ratio Lower Upper

149 100

150 11.1 7.9 11.9

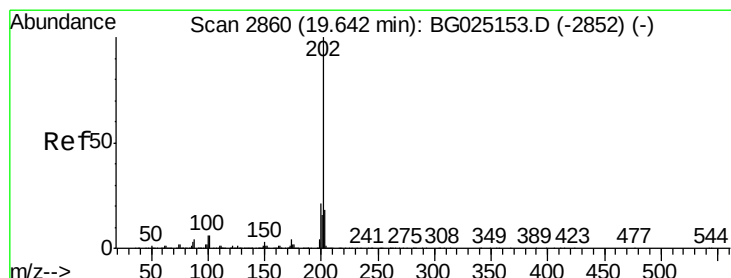
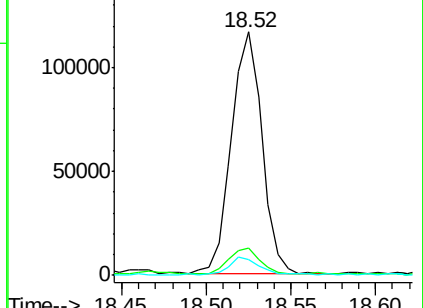
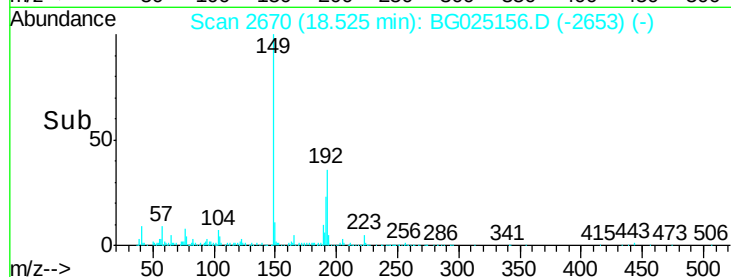
104 6.6 5.8 8.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 1.31 ng/ul

RT: 19.64 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BG025156.D

Acq: 13 Dec 2016 22:09

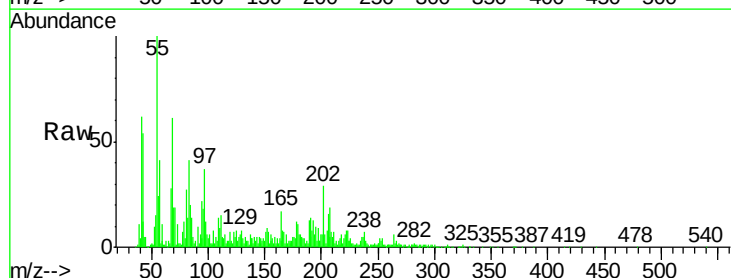
Tgt Ion:202 Resp: 45120

Ion Ratio Lower Upper

202 100

101 22.4 6.2 9.2#

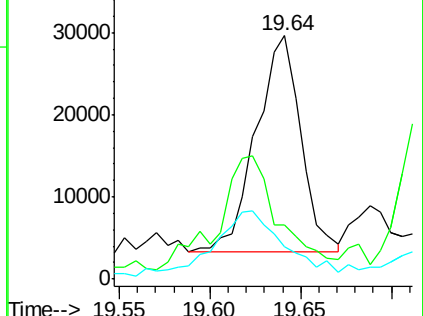
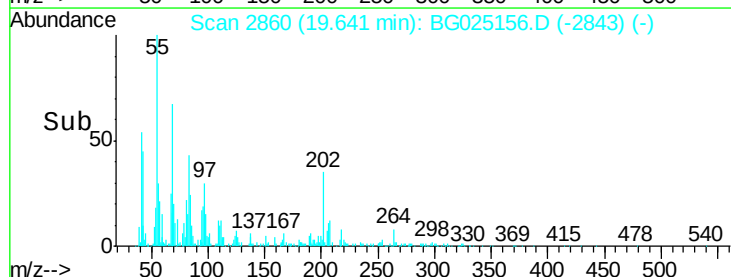
100 13.5 5.2 7.8#

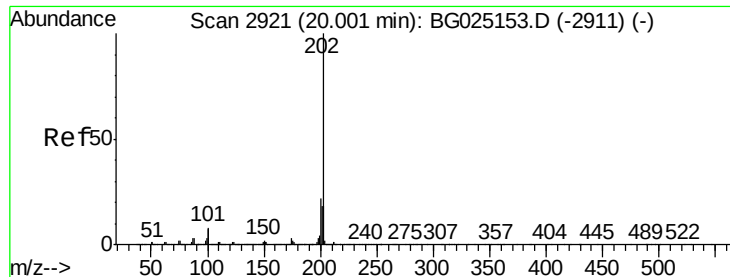


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pyrene

Concen: 3.85 ng/ul

RT: 20.01 min Scan# 2922

Delta R.T. 0.00 min

Lab File: BG025156.D

Acq: 13 Dec 2016 22:09

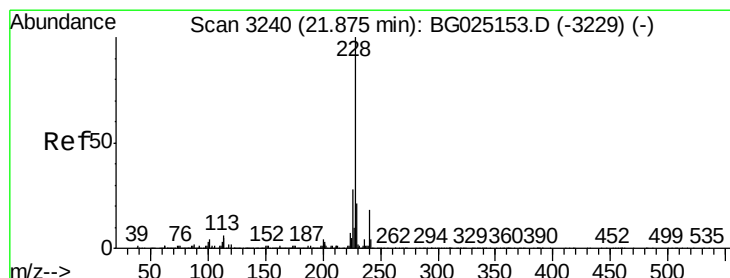
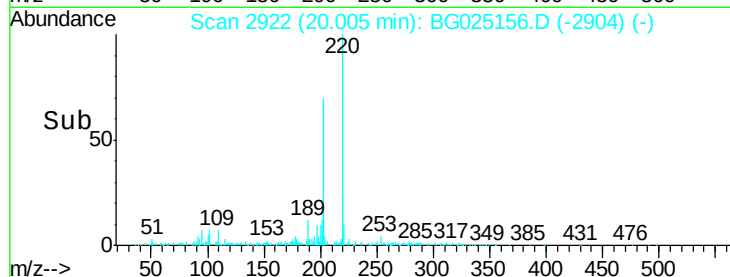
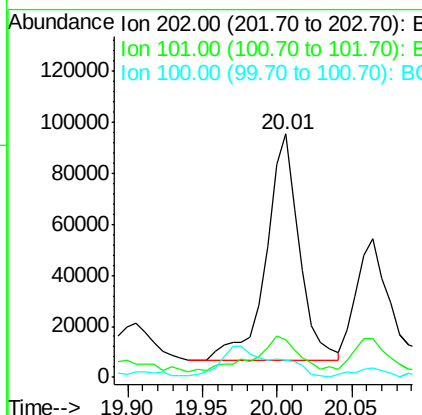
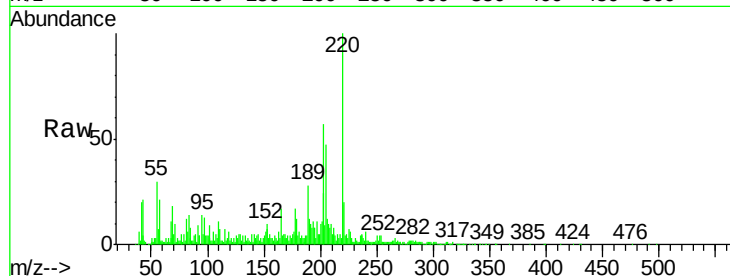
Instrument :

BNA_G

ClientSampleId :

P006-PCS-03

Tgt Ion:	202	Resp:	137161
Ion Ratio	Lower	Upper	
202	100		
101	15.3	6.9	10.3#
100	6.9	6.6	10.0



#80

Benzo(a)anthracene

Concen: 18.50 ng/ul

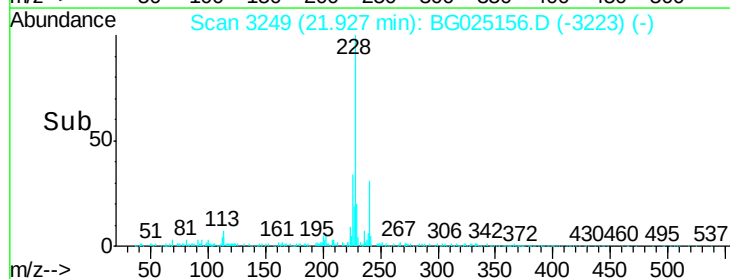
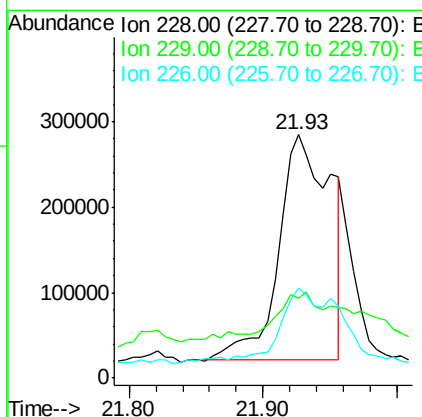
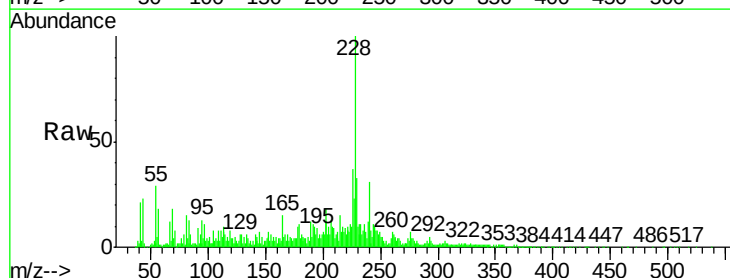
RT: 21.93 min Scan# 3249

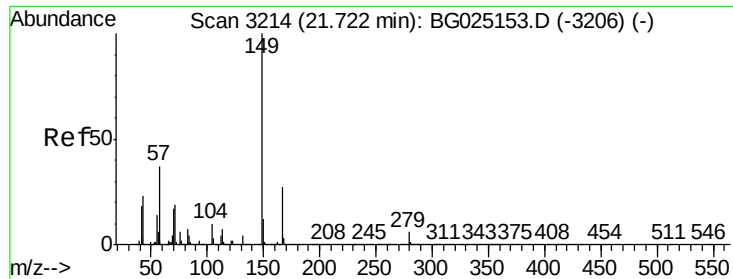
Delta R.T. 0.05 min

Lab File: BG025156.D

Acq: 13 Dec 2016 22:09

Tgt Ion:	228	Resp:	713341
Ion Ratio	Lower	Upper	
228	100		
229	32.6	16.3	24.5#
226	36.8	21.9	32.9#

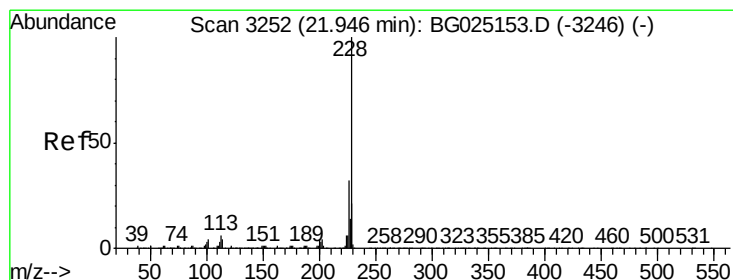
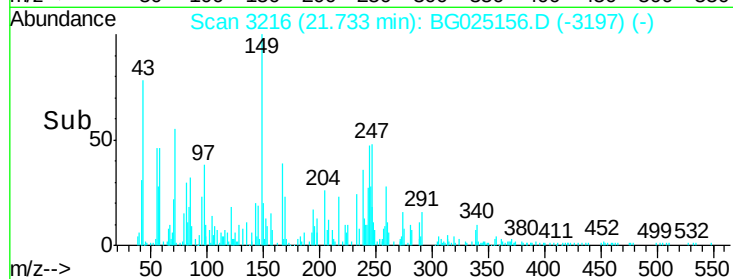
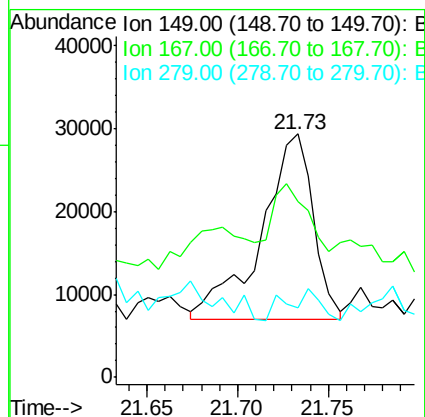
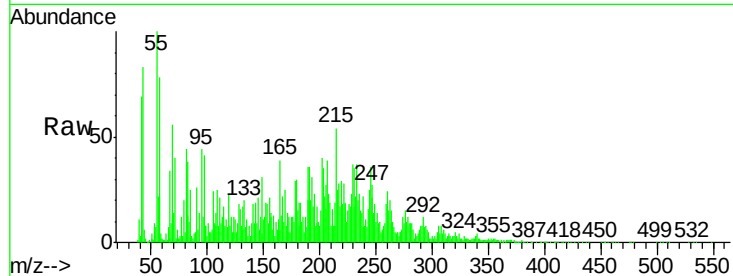




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 2.33 ng/ul
 RT: 21.73 min Scan# 3216
 Delta R.T. 0.01 min
 Lab File: BG025156.D
 Acq: 13 Dec 2016 22:09

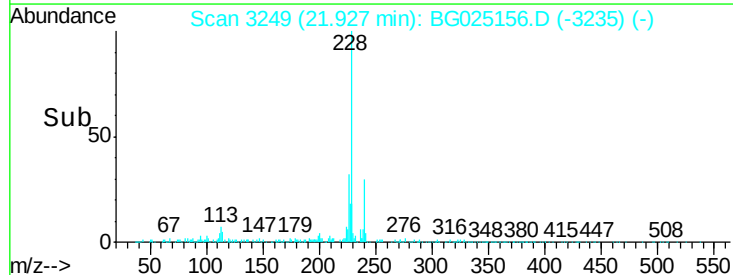
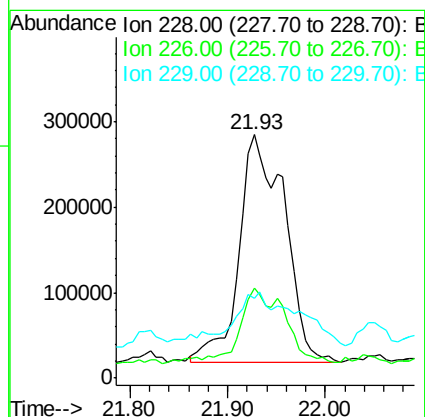
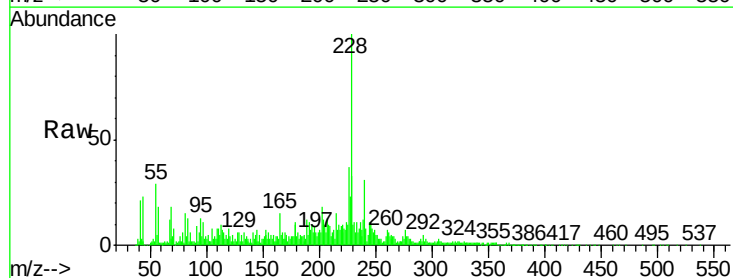
Instrument :
 BNA_G
 ClientSampleId :
 P006-PCS-03

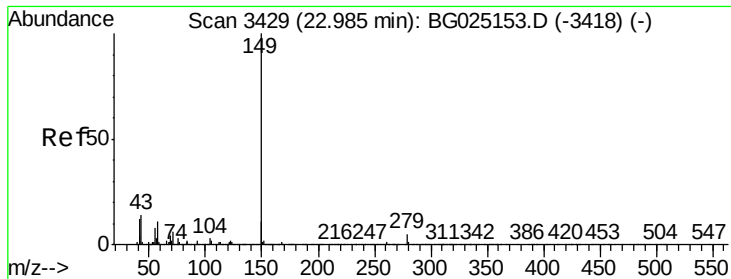
Tgt Ion:149 Resp: 44719
 Ion Ratio Lower Upper
 149 100
 167 72.4 21.8 32.8#
 279 28.8 4.5 6.7#



#82
 Chrysene
 Concen: 23.95 ng/ul
 RT: 21.93 min Scan# 3249
 Delta R.T. -0.02 min
 Lab File: BG025156.D
 Acq: 13 Dec 2016 22:09

Tgt Ion:228 Resp: 863766
 Ion Ratio Lower Upper
 228 100
 226 36.8 24.0 36.0#
 229 32.6 16.9 25.3#





#84

Di-n-octyl phthalate

Concen: 68.82 ng/ul

RT: 22.96 min Scan# 3425

Delta R.T. -0.02 min

Lab File: BG025156.D

Acq: 13 Dec 2016 22:09

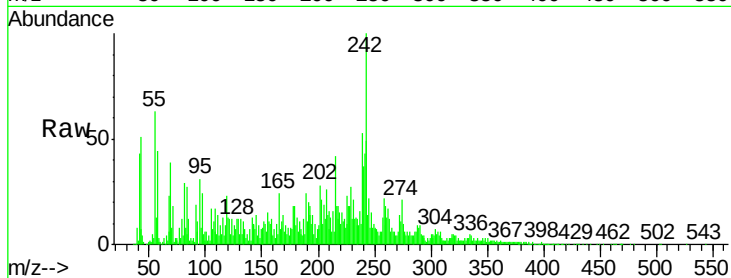
Instrument :

BNA_G

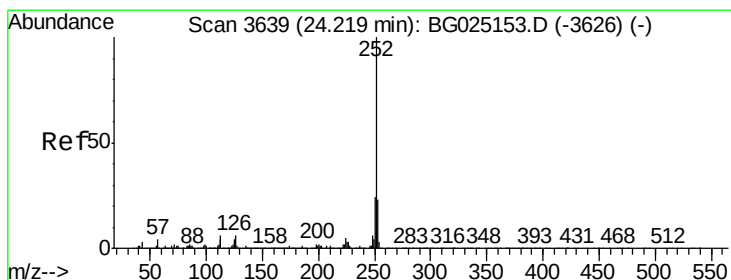
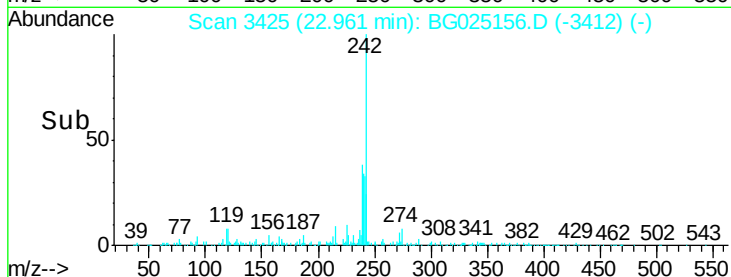
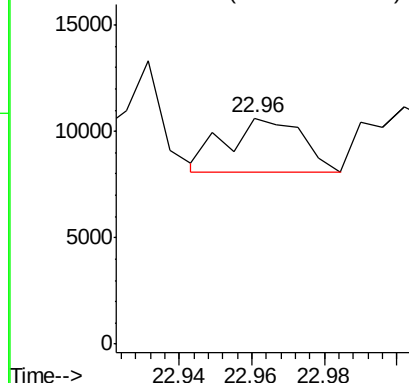
ClientSampleId :

P006-PCS-03

Tgt Ion:149 Resp: 3610



Abundance Ion 149.00 (148.70 to 149.70): E



#85

Benzo(b)fluoranthene

Concen: 5242.25 ng/ul

RT: 24.27 min Scan# 3647

Delta R.T. 0.05 min

Lab File: BG025156.D

Acq: 13 Dec 2016 22:09

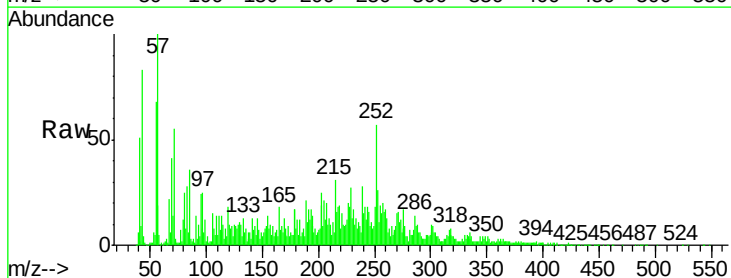
Tgt Ion:252 Resp: 335849

Ion Ratio Lower Upper

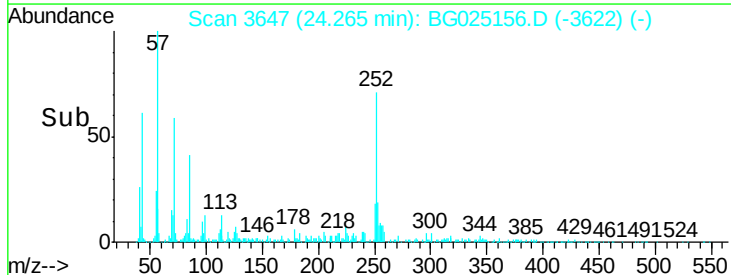
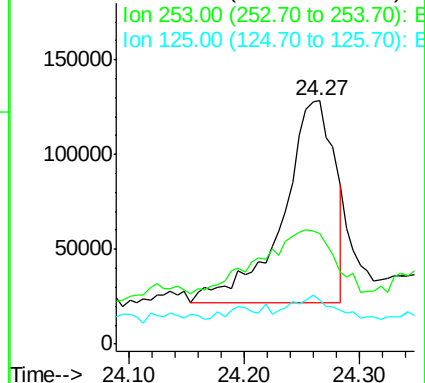
252 100

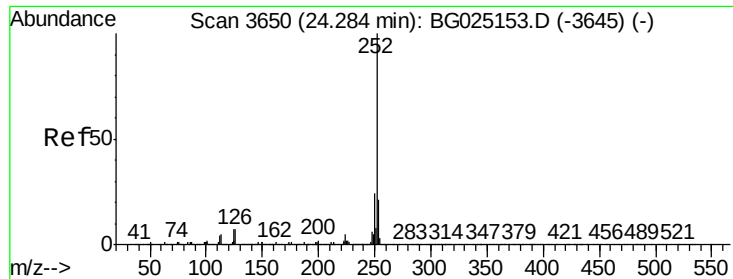
253 45.5 17.7 26.5#

125 18.1 4.0 6.0#



Abundance Ion 252.00 (251.70 to 252.70): E





#86

Benzo(k)fluoranthene

Concen: 4981.68 ng/ul

RT: 24.27 min Scan# 3647

Delta R.T. -0.02 min

Lab File: BG025156.D

Acq: 13 Dec 2016 22:09

Instrument :

BNA_G

ClientSampleId :

P006-PCS-03

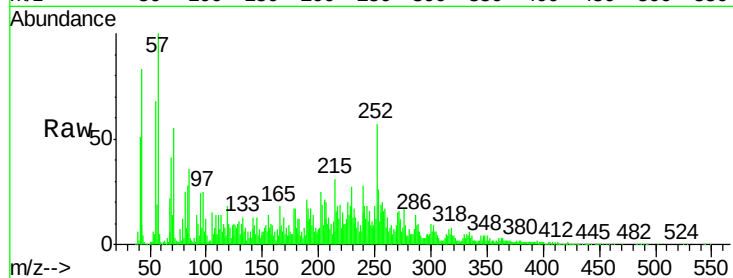
Tgt Ion:252 Resp: 303390

Ion Ratio Lower Upper

252 100

253 45.5 18.5 27.7#

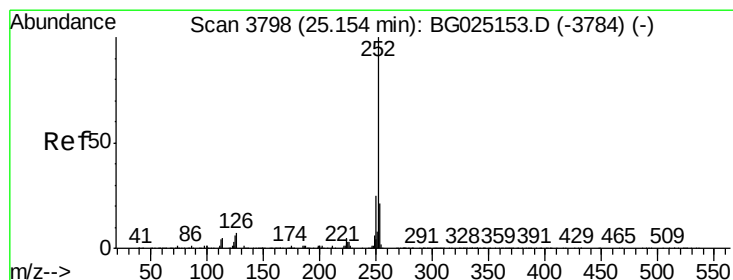
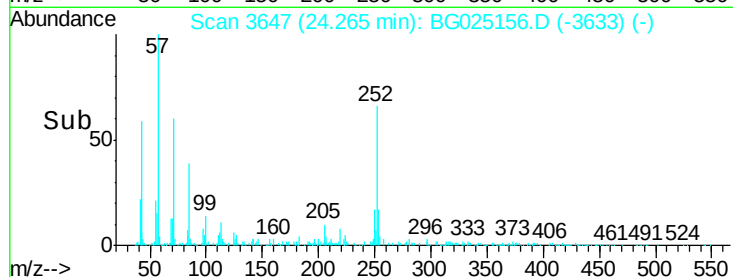
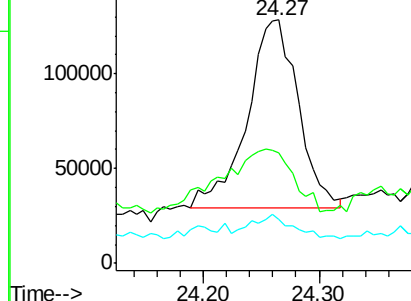
125 18.1 4.1 6.1#



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: 25110.67 ng/ul

RT: 25.07 min Scan# 3784

Delta R.T. -0.08 min

Lab File: BG025156.D

Acq: 13 Dec 2016 22:09

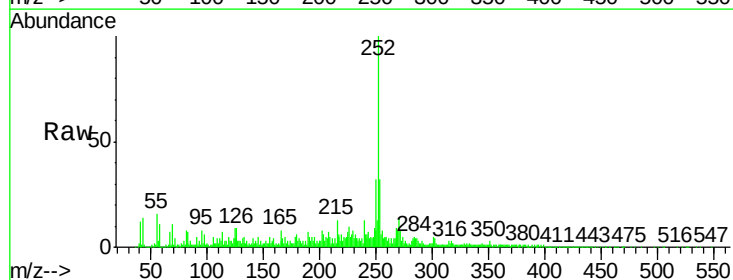
Tgt Ion:252 Resp: 1546809

Ion Ratio Lower Upper

252 100

253 31.8 17.8 26.6#

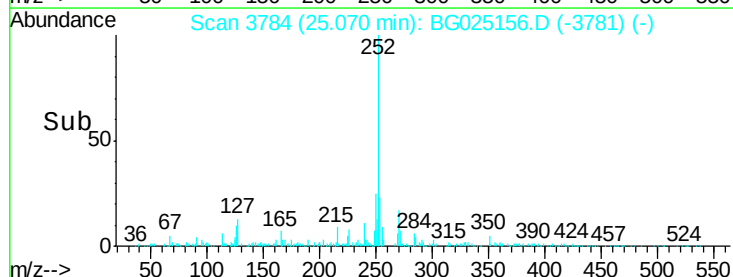
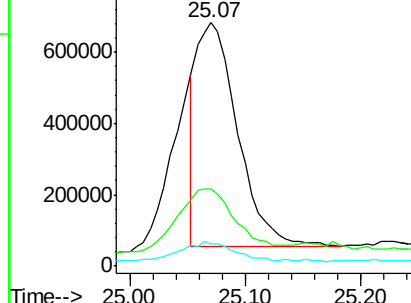
125 9.2 5.4 8.0#

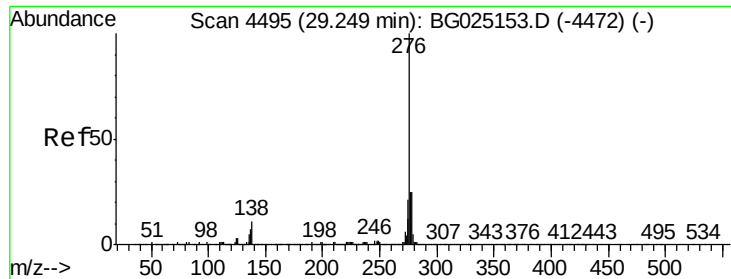


Abundance Ion 252.00 (251.70 to 252.70): E

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: 61.67 ng/ul

RT: 29.27 min Scan# 4498

Delta R.T. 0.02 min

Lab File: BG025156.D

Acq: 13 Dec 2016 22:09

Instrument :

BNA_G

ClientSampleId :

P006-PCS-03

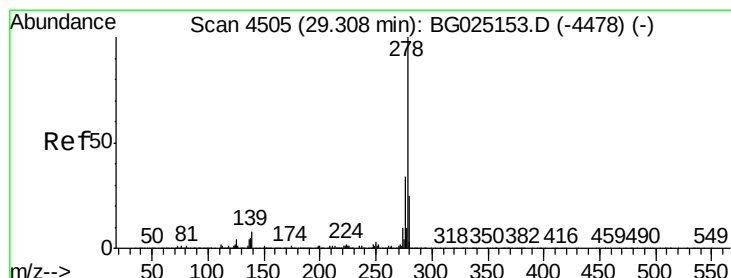
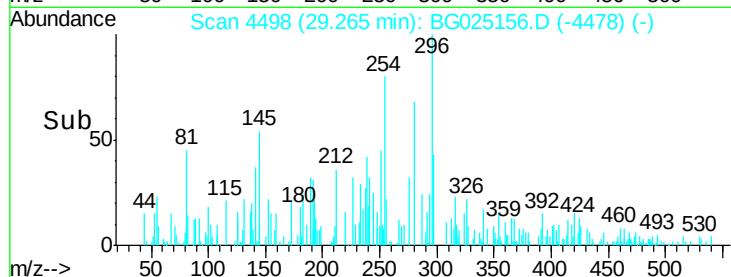
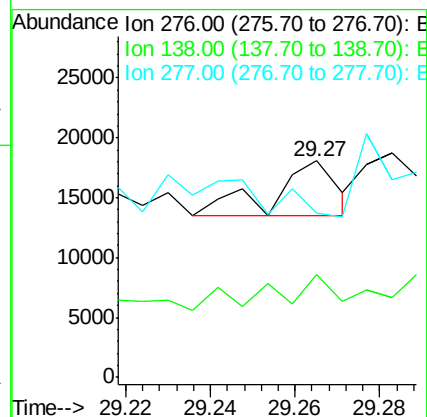
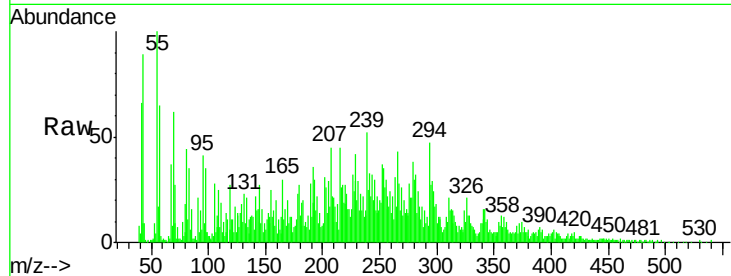
Tgt Ion:276 Resp: 4721

Ion Ratio Lower Upper

276 100

138 47.4 8.2 12.4#

277 76.1 18.6 28.0#



#90

Dibenzo(a,h)anthracene

Concen: 76.68 ng/ul

RT: 29.28 min Scan# 4500

Delta R.T. -0.03 min

Lab File: BG025156.D

Acq: 13 Dec 2016 22:09

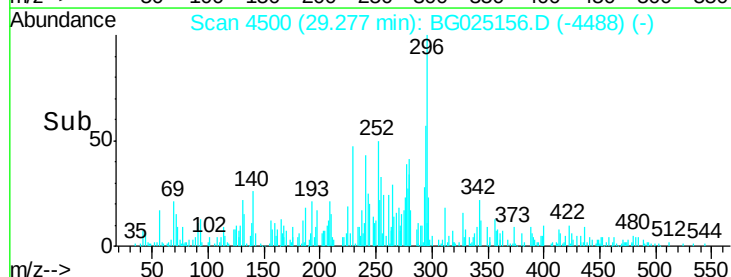
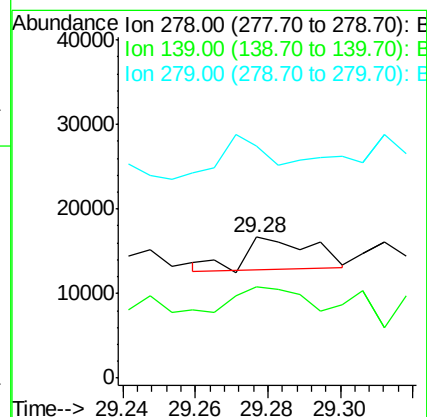
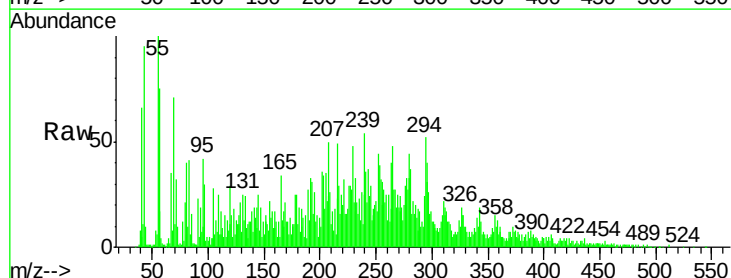
Tgt Ion:278 Resp: 4946

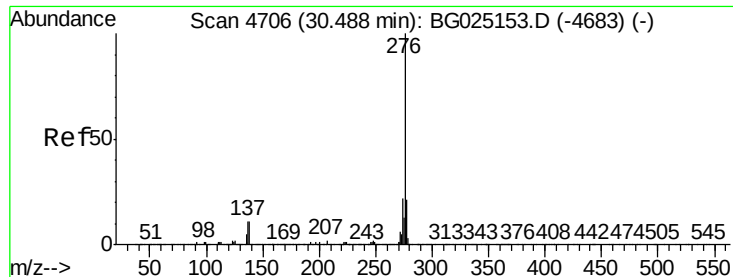
Ion Ratio Lower Upper

278 100

139 64.8 6.7 10.1#

279 164.4 20.9 31.3#





#91

Benzo(g,h,i)perylene

Concen: 235.99 ng/ul

RT: 30.49 min Scan# 4706

Delta R.T. -0.00 min

Lab File: BG025156.D

Acq: 13 Dec 2016 22:09

Instrument :

BNA_G

ClientSampleId :

P006-PCS-03

Tgt Ion: 276 Resp: 15077

Ion Ratio Lower Upper

276 100

138 25.6 8.6 12.8#

277 79.4 17.6 26.4#

