

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
 Data File : BG025160.D
 Acq On : 14 Dec 2016 00:45
 Operator : UM/SJ
 Sample : H5992-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P006-SS021-0106-03

Quant Time: Dec 14 03:24:10 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	77900	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	363058	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	299811	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	588383	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	691194	20.00	ng/ul	0.00
83) Perylene-d12	25.32	264	715293	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	6850	4.54	ng/uL	0.01
5) Phenol-d5	7.38	99	191765	28.53	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	132474	31.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	139624	29.71	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	129220	23.01	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	77871	30.29	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	97431	30.40	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	179313	29.09	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	113906	18.80	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	614549	29.80	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	727064	32.19	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	87896	24.80	ng/ul	0.00
57) Fluorene-d10	15.85	176	575537	29.65	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	91514	25.16	ng/ul	0.00
70) Anthracene-d10	17.70	188	795165	32.02	ng/ul	0.00
76) Pyrene-d10	19.98	212	891561	31.32	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.09	264	922835	31.84	ng/ul	0.01

Target Compounds

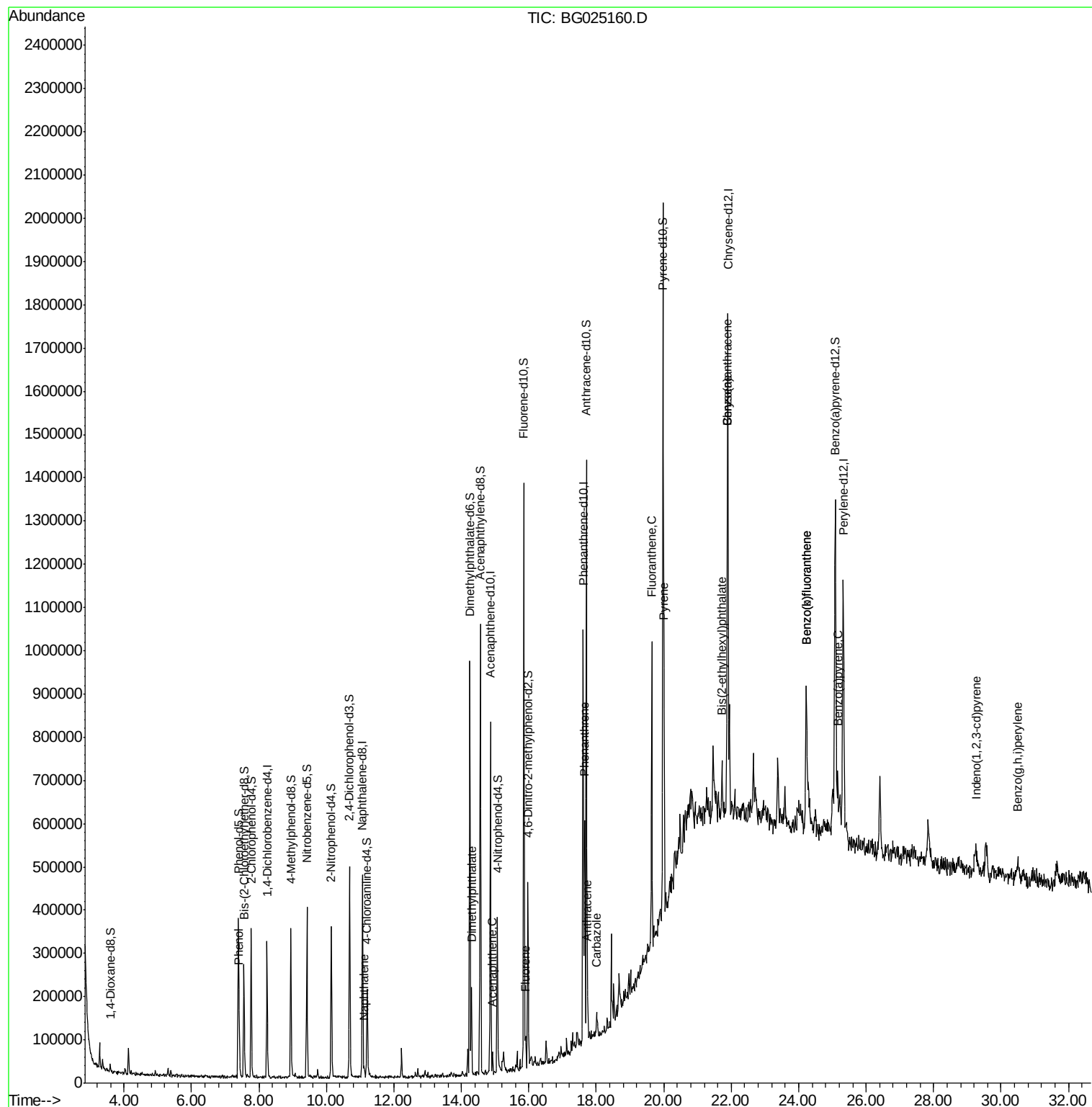
						Qvalue
6) Phenol	7.41	94	33528	4.86	ng/ul#	92
28) Naphthalene	11.12	128	20872	1.24	ng/ul#	96
44) Dimethylphthalate	14.30	163	117615	5.80	ng/ul#	96
49) Acenaphthene	14.92	153	19572	1.30	ng/ul	93
58) Fluorene	15.90	166	28292	1.46	ng/ul#	98
69) Phenanthrene	17.65	178	327621	11.67	ng/ul	98
71) Anthracene	17.74	178	69488	2.41	ng/ul	95
72) Carbazole	18.01	167	31277	1.30	ng/ul#	90
74) Fluoranthene	19.64	202	455062	13.64	ng/ul	98
77) Pyrene	20.00	202	363658	10.94	ng/ul	100
80) Benzo(a)anthracene	21.88	228	226858	6.32	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.73	149	48529	2.71	ng/ul#	96
82) Chrysene	21.88	228	160948	4.79	ng/ul	97
85) Benzo(b)fluoranthene	24.23	252	323694	9.13	ng/ul#	95
86) Benzo(k)fluoranthene	24.23	252	312858	9.28	ng/ul#	97
88) Benzo(a)pyrene	25.16	252	174764	5.12	ng/ul	93
89) Indeno(1,2,3-cd)pyrene	29.25	276	112671	2.66	ng/ul#	85
91) Benzo(g,h,i)perylene	30.49	276	81746	2.31	ng/ul	96

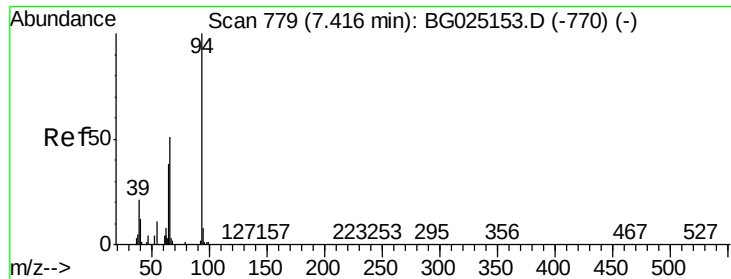
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
Data File : BG025160.D
Acq On : 14 Dec 2016 00:45
Operator : UM/SJ
Sample : H5992-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P006-SS021-0106-03

Quant Time: Dec 14 03:24:10 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





#6

Phenol

Concen: 4.86 ng/ul

RT: 7.41 min Scan# 779

Delta R.T. -0.00 min

Lab File: BG025160.D

Acq: 14 Dec 2016 00:45

Instrument :

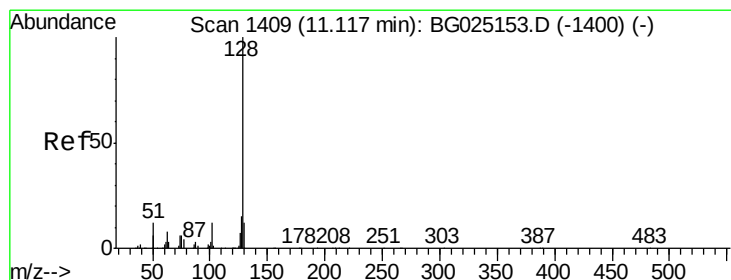
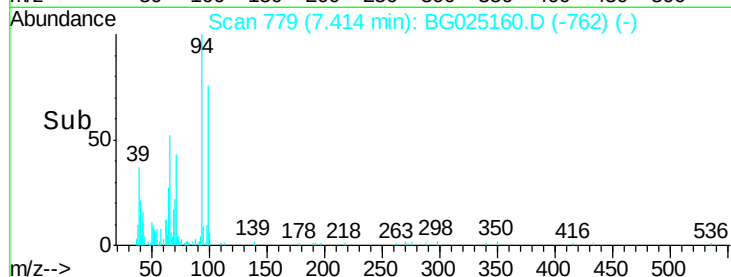
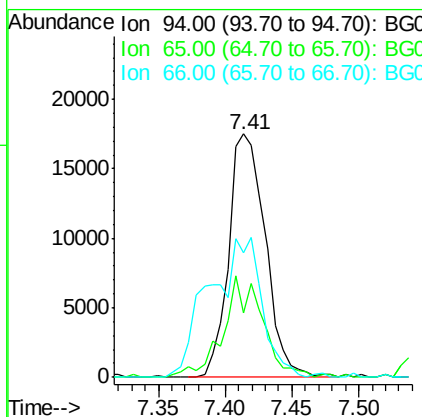
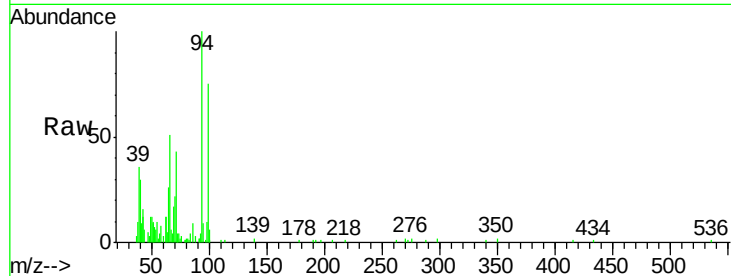
BNA_G

ClientSampleId :

P006-SS021-0106-03

Tgt Ion: 94 Resp: 33528

Ion	Ratio	Lower	Upper
94	100		
65	26.3	26.8	40.2#
66	51.2	44.4	66.6



#28

Naphthalene

Concen: 1.24 ng/ul

RT: 11.12 min Scan# 1409

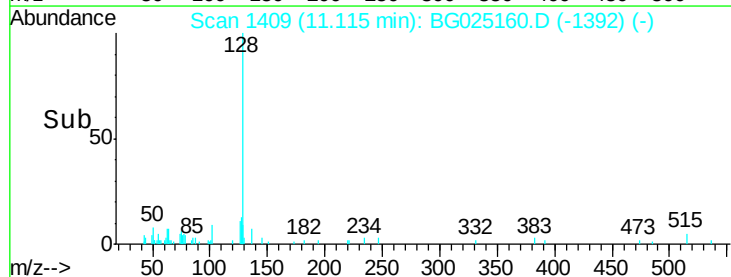
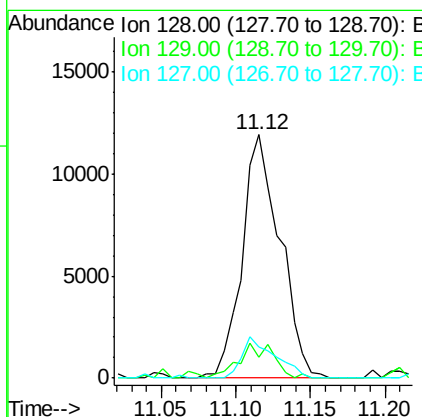
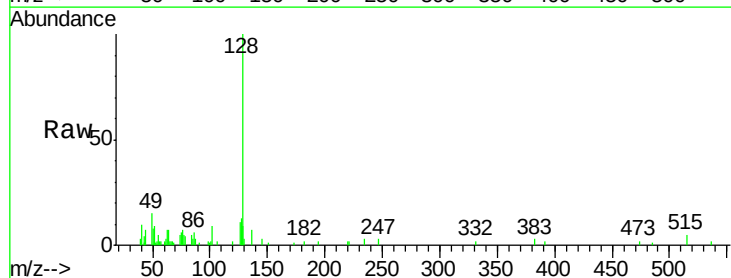
Delta R.T. -0.00 min

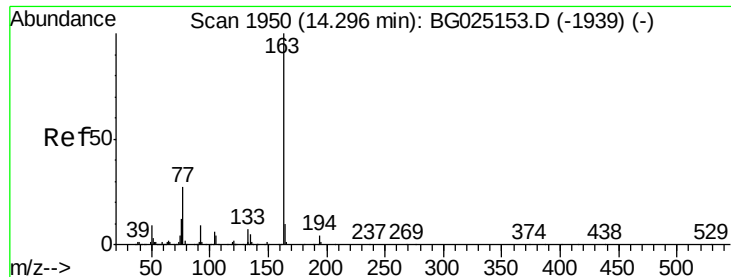
Lab File: BG025160.D

Acq: 14 Dec 2016 00:45

Tgt Ion: 128 Resp: 20872

Ion	Ratio	Lower	Upper
128	100		
129	8.6	9.4	14.2#
127	12.7	10.3	15.5





#44

Dimethylphthalate

Concen: 5.80 ng/ul

RT: 14.30 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BG025160.D

Acq: 14 Dec 2016 00:45

Instrument :

BNA_G

ClientSampleId :

P006-SS021-0106-03

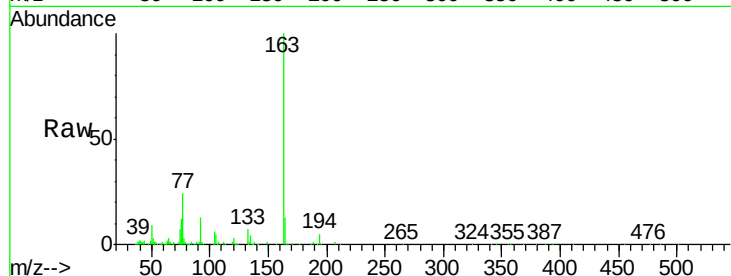
Tgt Ion:163 Resp: 117615

Ion Ratio Lower Upper

163 100

194 5.2 3.4 5.0#

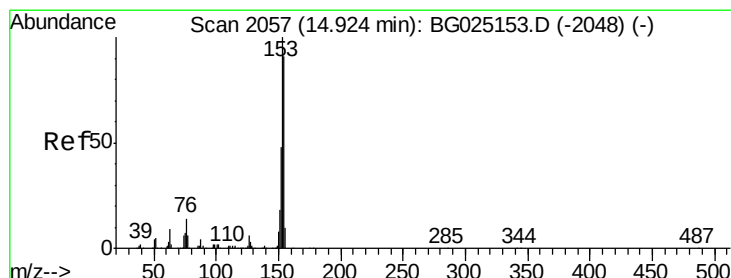
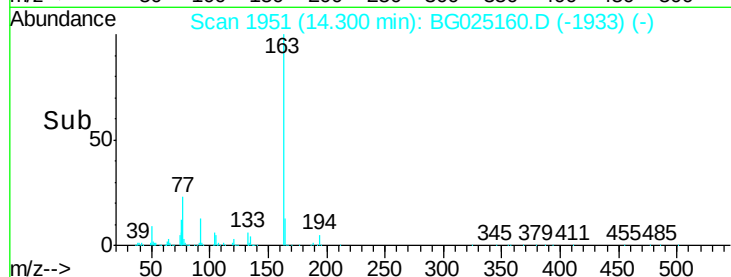
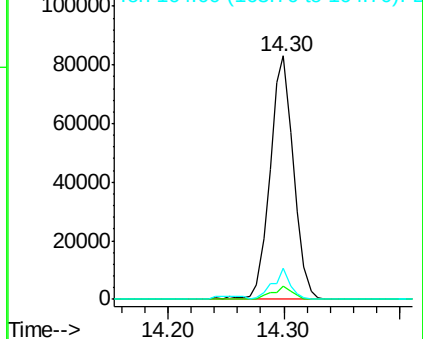
164 12.7 9.0 13.4



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



#49

Acenaphthene

Concen: 1.30 ng/ul

RT: 14.92 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BG025160.D

Acq: 14 Dec 2016 00:45

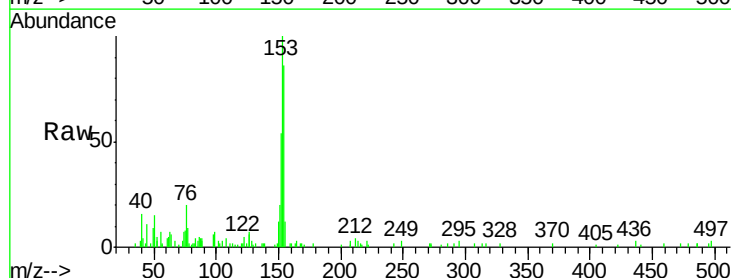
Tgt Ion:153 Resp: 19572

Ion Ratio Lower Upper

153 100

152 54.0 36.5 54.7

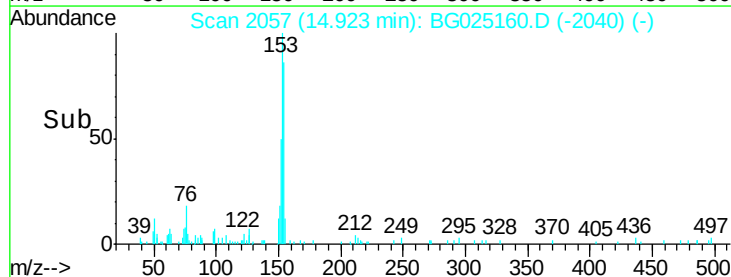
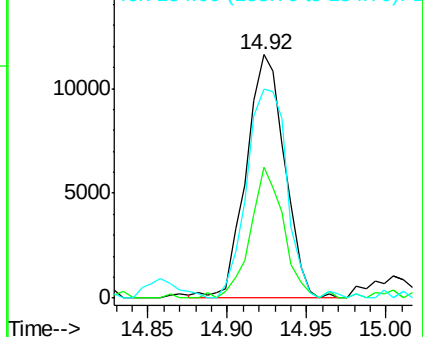
154 85.8 72.3 108.5

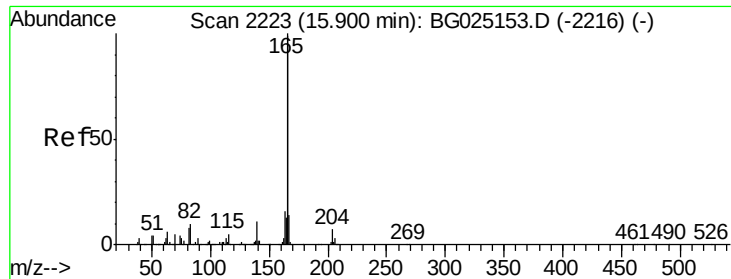


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#58

Fluorene

Concen: 1.46 ng/ul

RT: 15.90 min Scan# 2224

Delta R.T. 0.00 min

Lab File: BG025160.D

Acq: 14 Dec 2016 00:45

Instrument :

BNA_G

ClientSampleId :

P006-SS021-0106-03

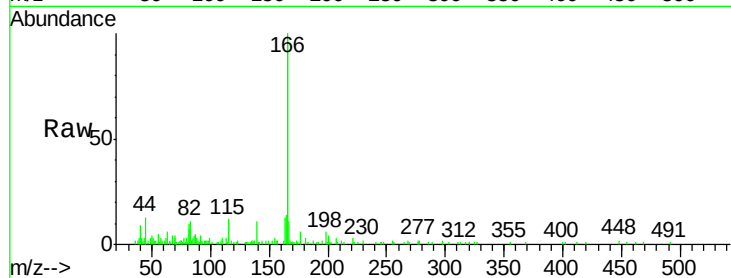
Tgt Ion:166 Resp: 28292

Ion Ratio Lower Upper

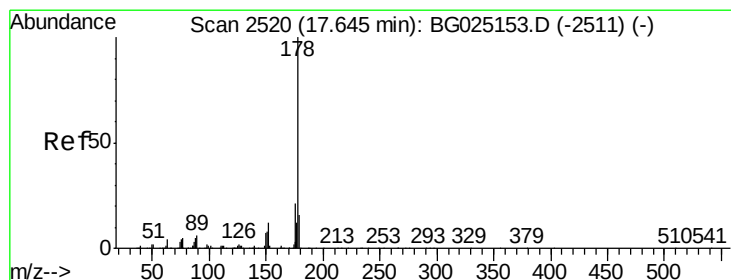
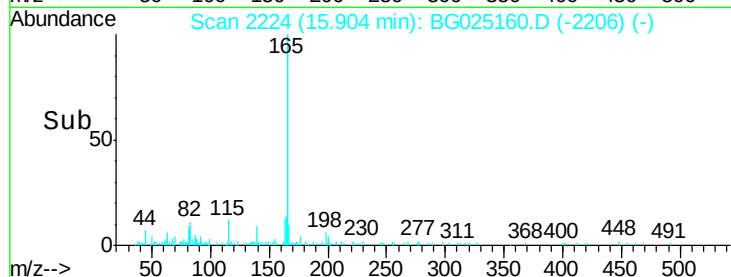
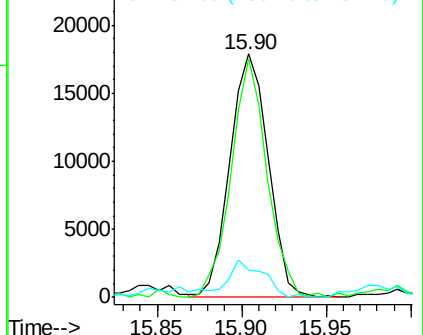
166 100

165 98.2 79.7 119.5

167 11.4 11.4 17.2#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 11.67 ng/ul

RT: 17.65 min Scan# 2521

Delta R.T. 0.00 min

Lab File: BG025160.D

Acq: 14 Dec 2016 00:45

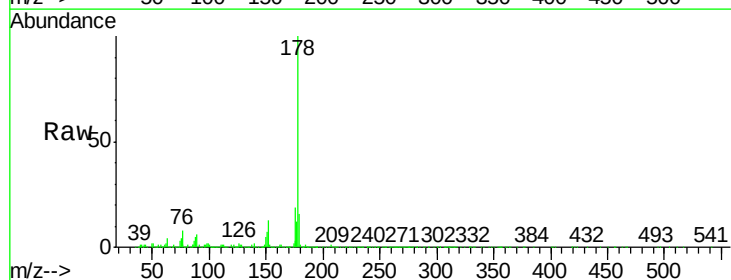
Tgt Ion:178 Resp: 327621

Ion Ratio Lower Upper

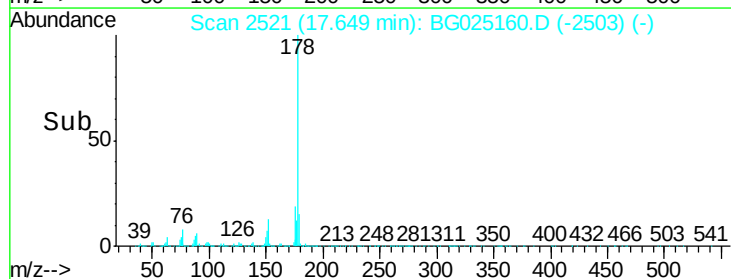
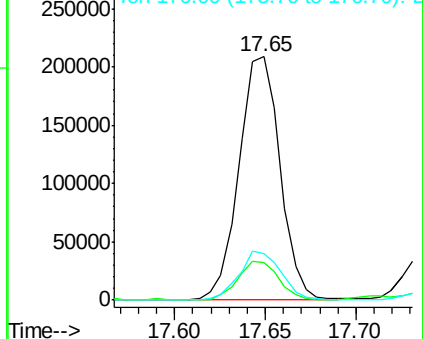
178 100

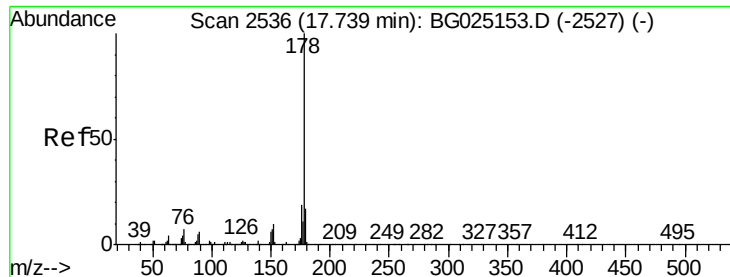
179 15.5 12.4 18.6

176 19.0 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





#71

Anthracene

Concen: 2.41 ng/ul

RT: 17.74 min Scan# 2536

Delta R.T. -0.00 min

Lab File: BG025160.D

Acq: 14 Dec 2016 00:45

Instrument :

BNA_G

ClientSampleId :

P006-SS021-0106-03

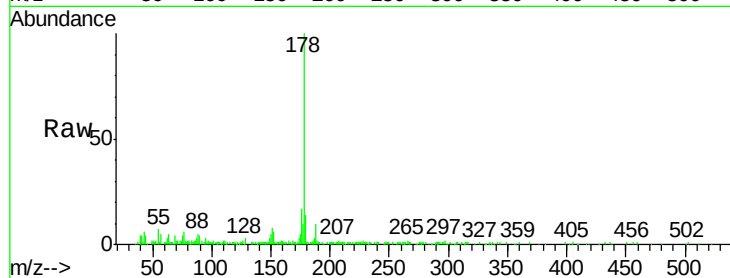
Tgt Ion:178 Resp: 69488

Ion Ratio Lower Upper

178 100

179 14.4 12.6 19.0

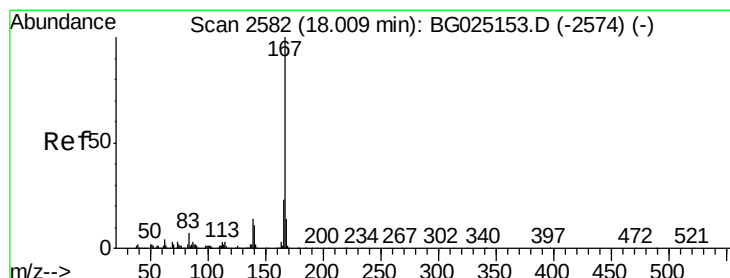
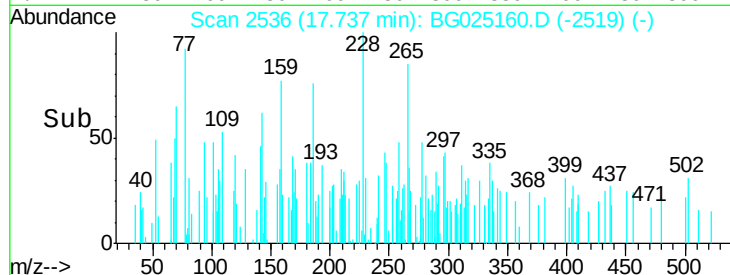
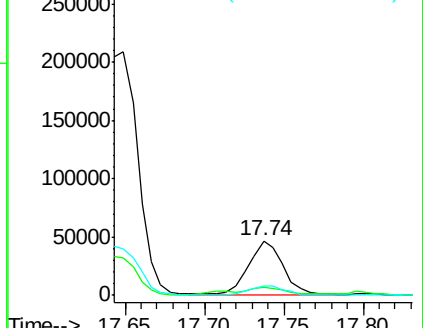
176 16.9 15.9 23.9



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: 1.30 ng/ul

RT: 18.01 min Scan# 2582

Delta R.T. -0.00 min

Lab File: BG025160.D

Acq: 14 Dec 2016 00:45

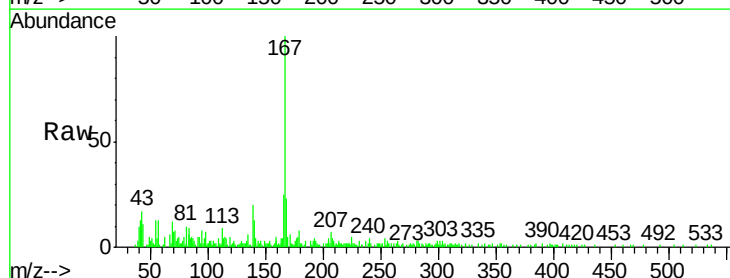
Tgt Ion:167 Resp: 31277

Ion Ratio Lower Upper

167 100

166 25.1 17.9 26.9

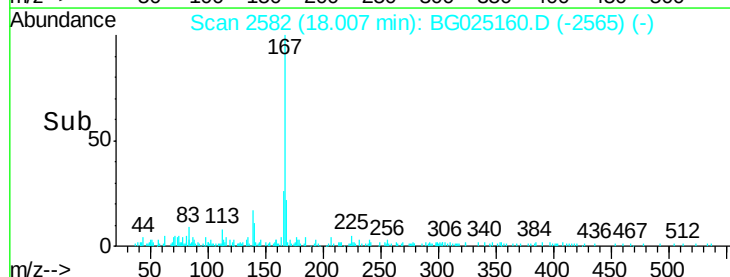
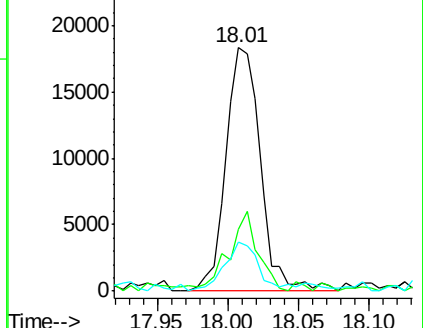
139 20.1 10.5 15.7#

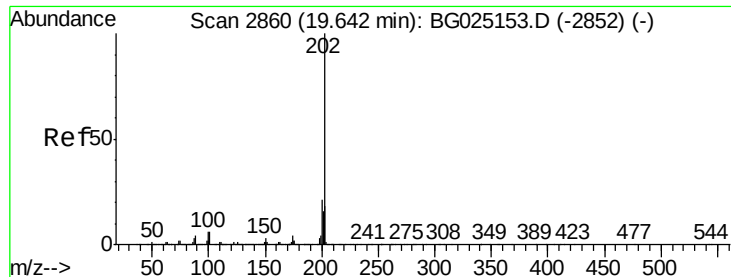


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 13.64 ng/ul

RT: 19.64 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BG025160.D

Acq: 14 Dec 2016 00:45

Instrument :

BNA_G

ClientSampleId :

P006-SS021-0106-03

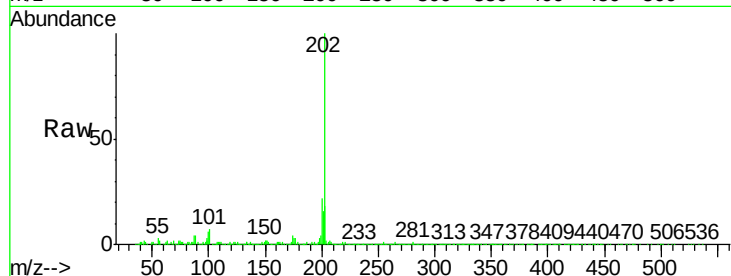
Tgt Ion:202 Resp: 455062

Ion Ratio Lower Upper

202 100

101 7.3 6.2 9.2

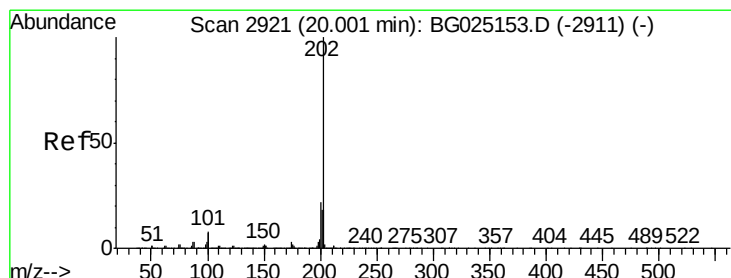
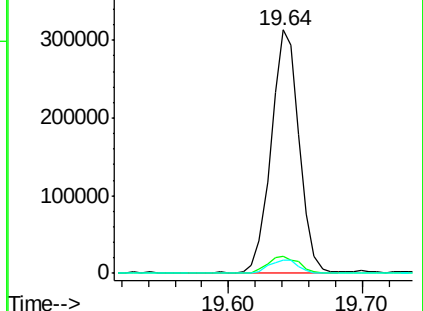
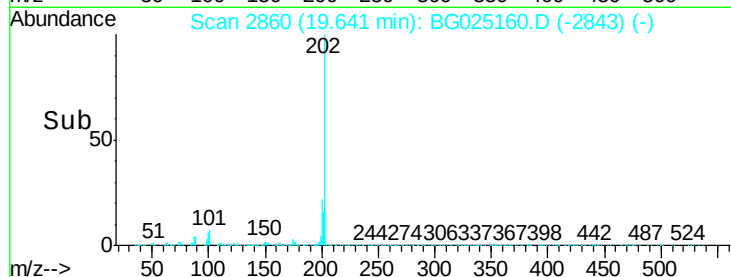
100 5.7 5.2 7.8



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: 10.94 ng/ul

RT: 20.00 min Scan# 2922

Delta R.T. 0.00 min

Lab File: BG025160.D

Acq: 14 Dec 2016 00:45

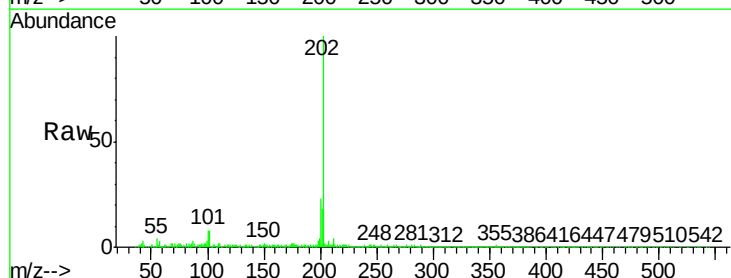
Tgt Ion:202 Resp: 363658

Ion Ratio Lower Upper

202 100

101 8.4 6.9 10.3

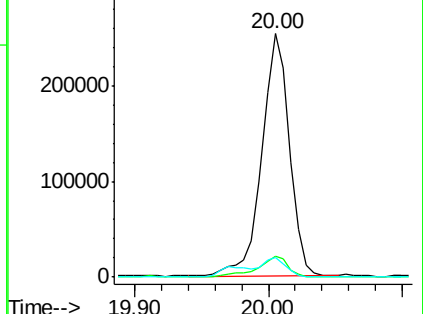
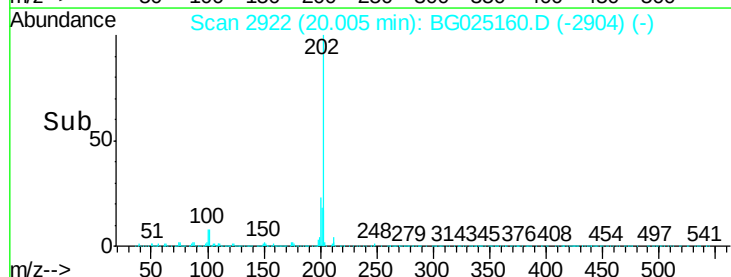
100 8.2 6.6 10.0

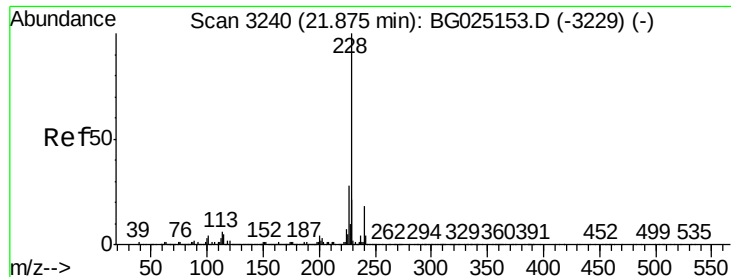


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 6.32 ng/ul

RT: 21.88 min Scan# 3241

Delta R.T. 0.00 min

Lab File: BG025160.D

Acq: 14 Dec 2016 00:45

Instrument :

BNA_G

ClientSampleId :

P006-SS021-0106-03

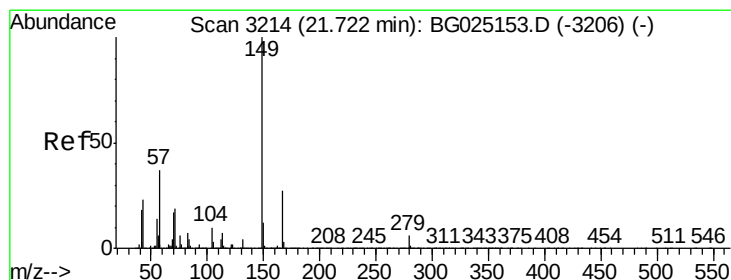
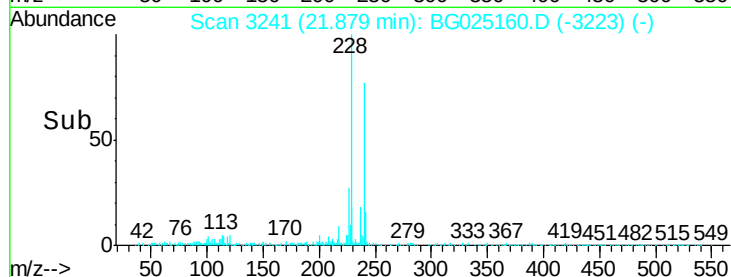
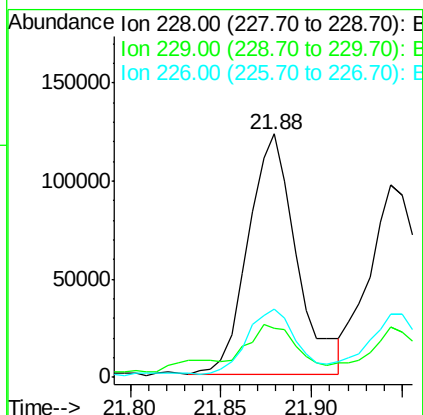
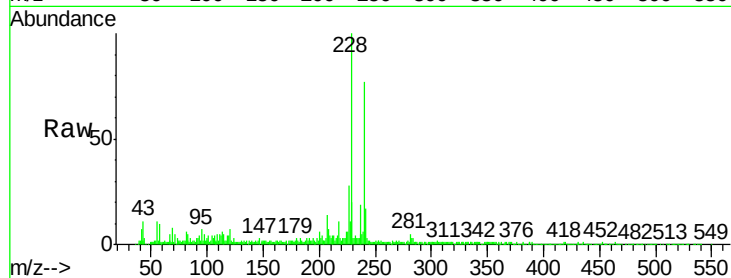
Tgt Ion:228 Resp: 226858

Ion Ratio Lower Upper

228 100

229 20.1 16.3 24.5

226 28.0 21.9 32.9



#81

Bis(2-ethylhexyl)phthalate

Concen: 2.71 ng/ul

RT: 21.73 min Scan# 3215

Delta R.T. 0.00 min

Lab File: BG025160.D

Acq: 14 Dec 2016 00:45

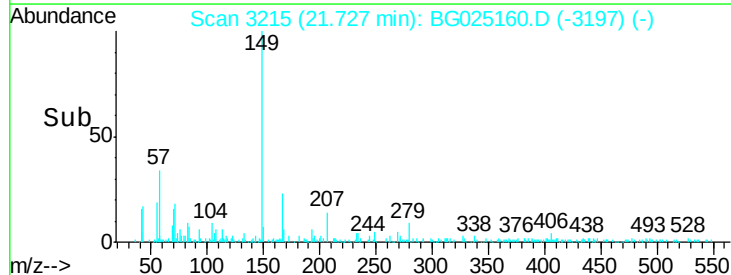
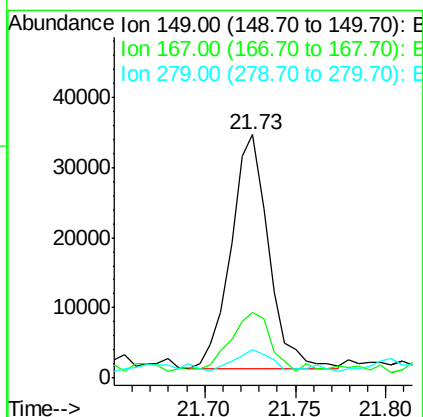
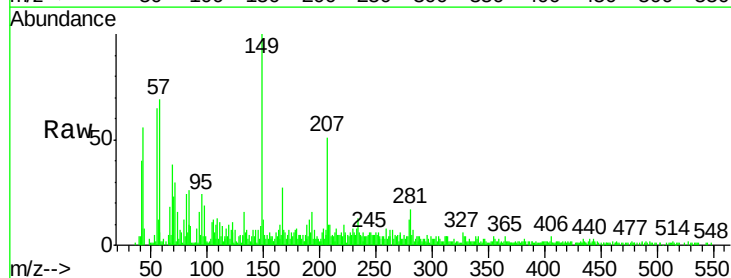
Tgt Ion:149 Resp: 48529

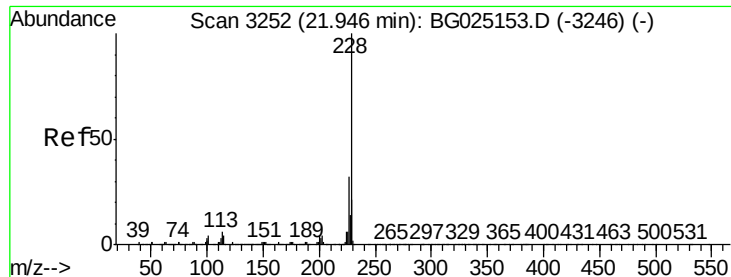
Ion Ratio Lower Upper

149 100

167 27.0 21.8 32.8

279 11.6 4.5 6.7#





#82

Chrysene

Concen: 4.79 ng/ul

RT: 21.88 min Scan# 3241

Delta R.T. -0.07 min

Lab File: BG025160.D

Acq: 14 Dec 2016 00:45

Instrument :

BNA_G

ClientSampleId :

P006-SS021-0106-03

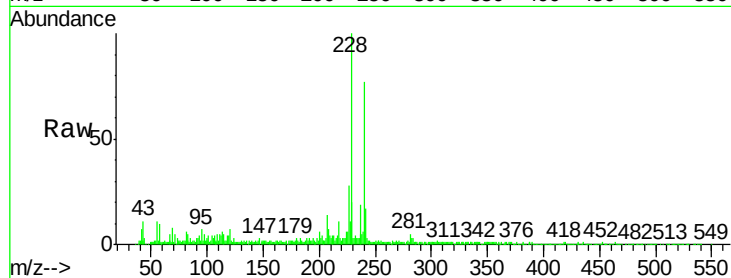
Tgt Ion:228 Resp: 160948

Ion Ratio Lower Upper

228 100

226 28.0 24.0 36.0

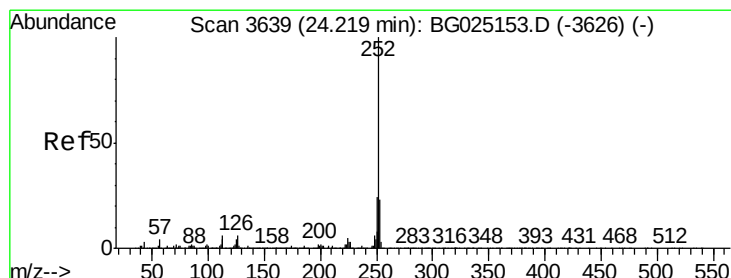
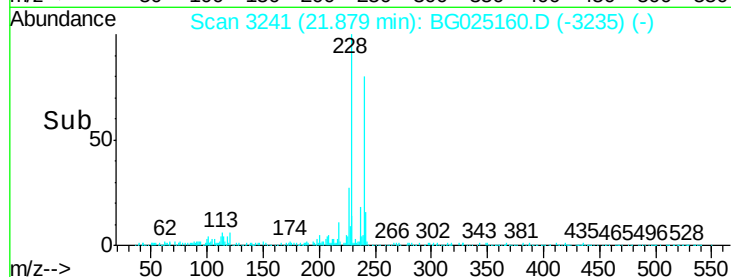
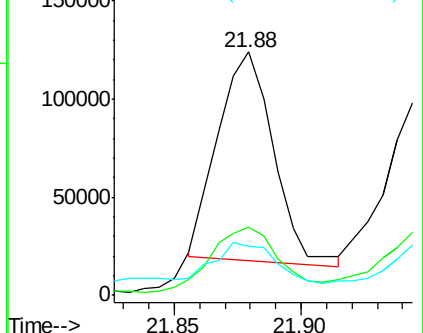
229 20.1 16.9 25.3



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: 9.13 ng/ul

RT: 24.23 min Scan# 3641

Delta R.T. 0.01 min

Lab File: BG025160.D

Acq: 14 Dec 2016 00:45

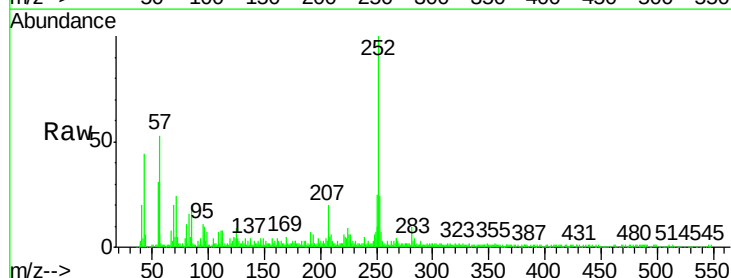
Tgt Ion:252 Resp: 323694

Ion Ratio Lower Upper

252 100

253 23.8 17.7 26.5

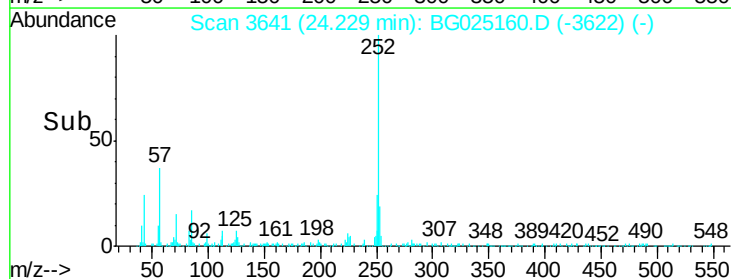
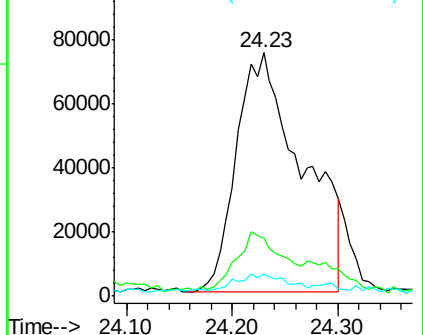
125 9.0 4.0 6.0#

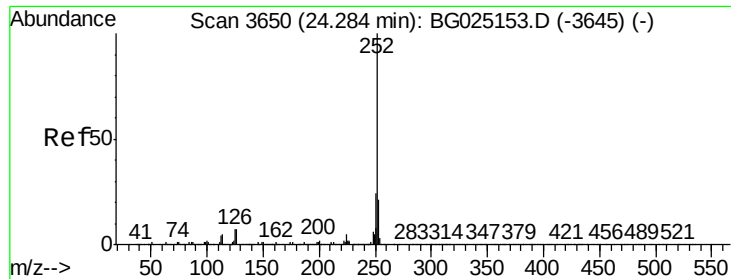


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

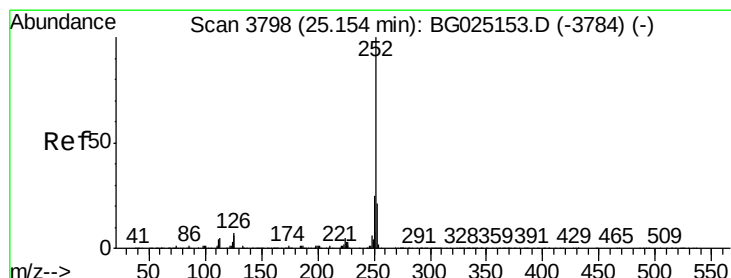
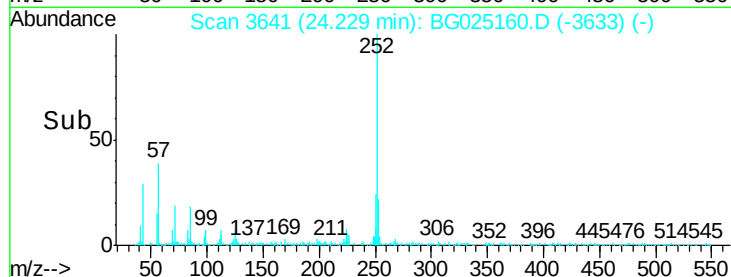
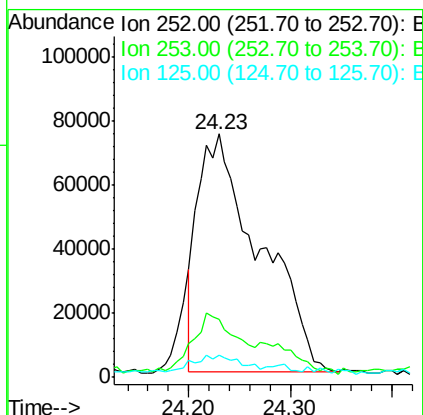
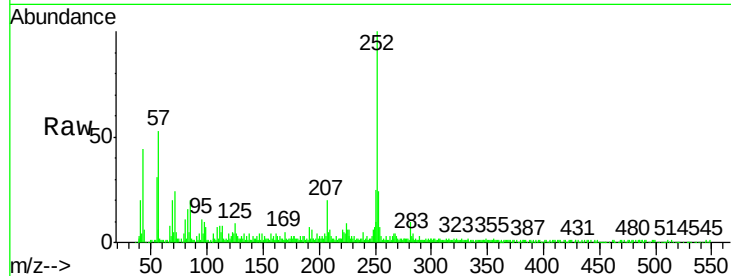




#86
Benzo(k)fluoranthene
Concen: 9.28 ng/ul
RT: 24.23 min Scan# 3641
Delta R.T. -0.05 min
Lab File: BG025160.D
Acq: 14 Dec 2016 00:45

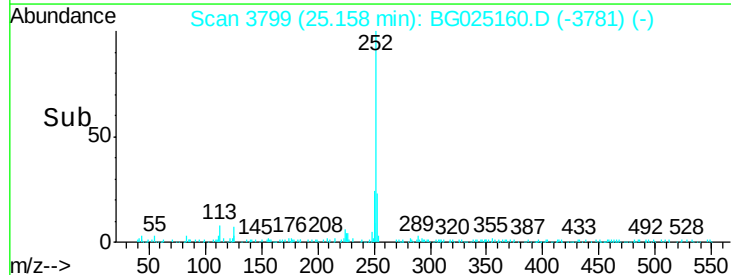
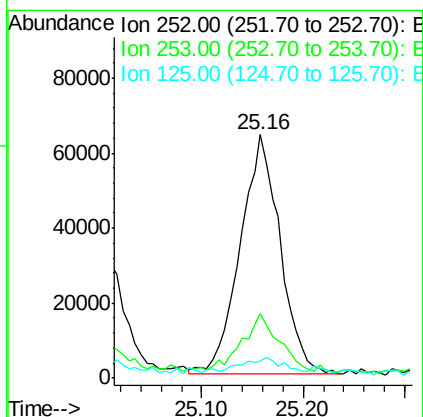
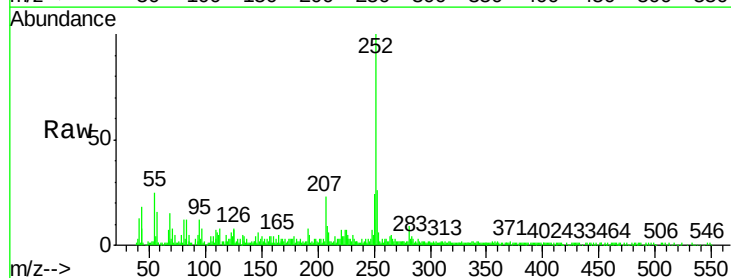
Instrument :
BNA_G
ClientSampleId :
P006-SS021-0106-03

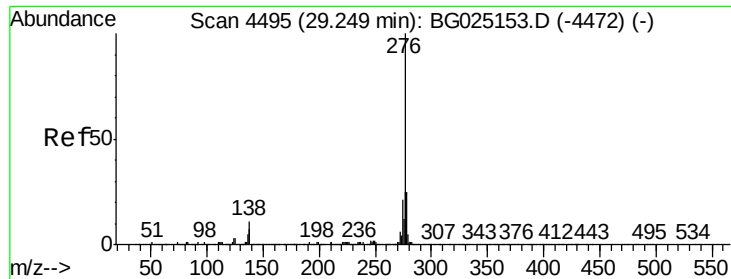
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.5	27.7
125	9.0	4.1	6.1



#88
Benzo(a)pyrene
Concen: 5.12 ng/ul
RT: 25.16 min Scan# 3799
Delta R.T. 0.00 min
Lab File: BG025160.D
Acq: 14 Dec 2016 00:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.8	26.6
125	7.2	5.4	8.0





#89

Indeno(1,2,3-cd)pyrene

Concen: 2.66 ng/ul

RT: 29.25 min Scan# 4495

Delta R.T. -0.00 min

Lab File: BG025160.D

Acq: 14 Dec 2016 00:45

Instrument :

BNA_G

ClientSampleId :

P006-SS021-0106-03

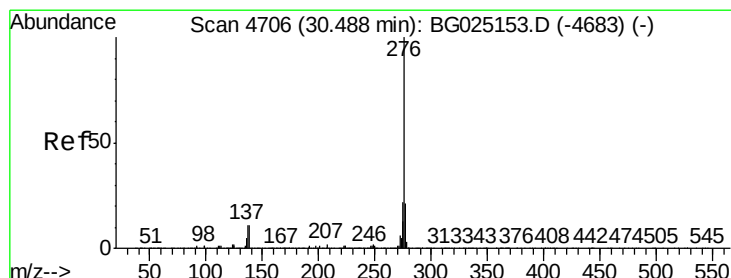
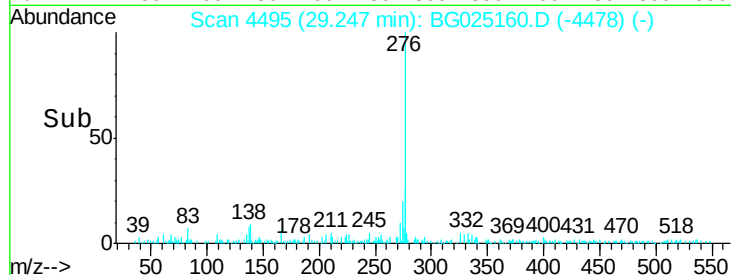
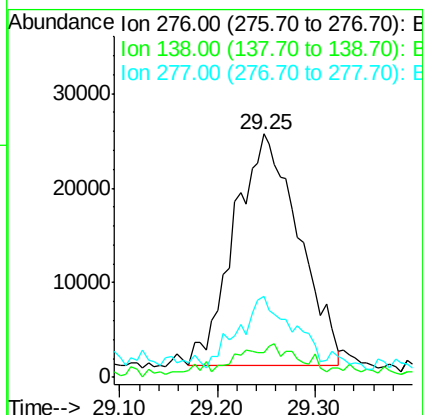
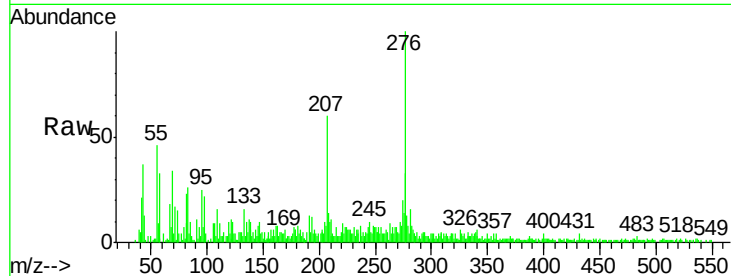
Tgt Ion:276 Resp: 112671

Ion Ratio Lower Upper

276 100

138 10.0 8.2 12.4

277 33.4 18.6 28.0#



#91

Benzo(g,h,i)perylene

Concen: 2.31 ng/ul

RT: 30.49 min Scan# 4707

Delta R.T. 0.00 min

Lab File: BG025160.D

Acq: 14 Dec 2016 00:45

Tgt Ion:276 Resp: 81746

Ion Ratio Lower Upper

276 100

138 12.2 8.6 12.8

277 24.2 17.6 26.4

