

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
 Data File : BG025165.D
 Acq On : 14 Dec 2016 4:01
 Operator : UM/SJ
 Sample : H5990-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BACKGROUND05-0106-03

Quant Time: Dec 14 05:39:04 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	101302	20.00	ng/ul	0.00
18) Naphthalene-d8	11.07	136	467961	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	369762	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.61	188	701215	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	794867	20.00	ng/ul	0.00
83) Perylene-d12	25.33	264	831839	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	6493	3.31	ng/uL	0.00
5) Phenol-d5	7.39	99	173245	19.82	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	110077	20.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	121278	19.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	138225	18.93	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	67948	20.50	ng/ul	0.00
22) 2-Nitrophenol-d4	10.15	143	85353	20.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	157013	19.76	ng/ul	0.00
29) 4-Chloroaniline-d4	11.21	131	91143	11.67	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	531165	20.88	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	619787	22.25	ng/ul	0.00
51) 4-Nitrophenol-d4	15.07	143	75488	17.27	ng/ul	0.00
57) Fluorene-d10	15.85	176	478386	19.98	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	69174	15.95	ng/ul	0.00
70) Anthracene-d10	17.71	188	674330	22.78	ng/ul	0.00
76) Pyrene-d10	19.98	212	760530	23.23	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.10	264	793912	23.55	ng/ul	0.02

Target Compounds

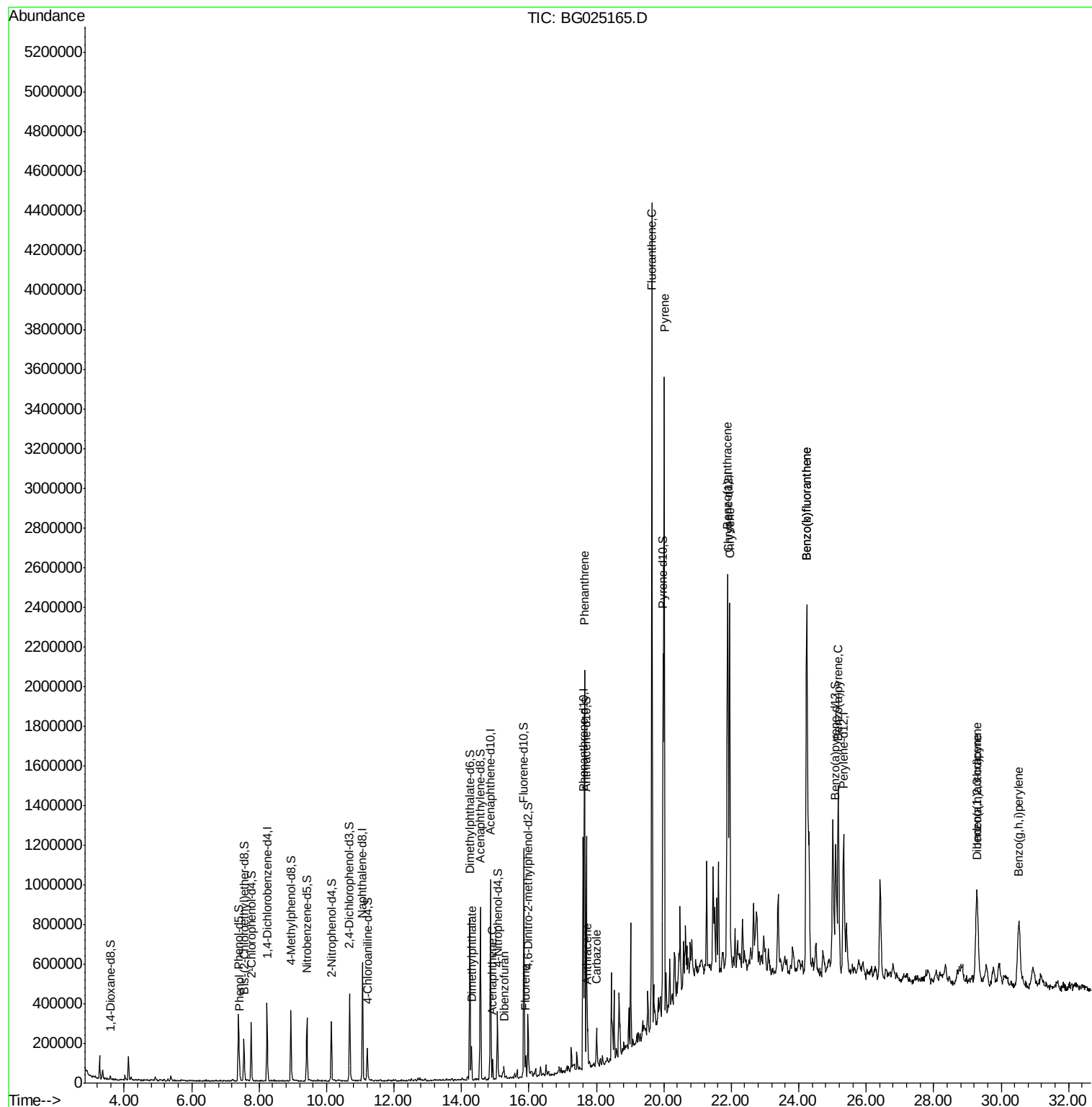
						Qvalue
6) Phenol	7.42	94	36837	4.11	ng/ul#	88
44) Dimethylphthalate	14.30	163	105173	4.21	ng/ul#	94
49) Acenaphthene	14.93	153	40393	2.18	ng/ul	90
53) Dibenzofuran	15.26	168	38439	1.31	ng/ul#	83
58) Fluorene	15.90	166	48616	2.03	ng/ul#	99
69) Phenanthrene	17.65	178	1275505	38.11	ng/ul	99
71) Anthracene	17.74	178	124925	3.63	ng/ul	96
72) Carbazole	18.01	167	111058	3.87	ng/ul	99
74) Fluoranthene	19.65	202	2472976	62.18	ng/ul#	96
77) Pyrene	20.01	202	2036925	53.31	ng/ul	98
80) Benzo(a)anthracene	21.88	228	1051961	25.47	ng/ul	98
82) Chrysene	21.96	228	1424207	36.87	ng/ul	96
85) Benzo(b)fluoranthene	24.24	252	1852233	44.90	ng/ul#	98
86) Benzo(k)fluoranthene	24.24	252	729974	18.62	ng/ul#	99
88) Benzo(a)pyrene	25.18	252	1134318	28.60	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.28	276	854772	17.34	ng/ul	96
90) Dibenzo(a,h)anthracene	29.31	278	199987	4.82	ng/ul#	93
91) Benzo(g,h,i)perylene	30.53	276	748888	18.21	ng/ul#	91

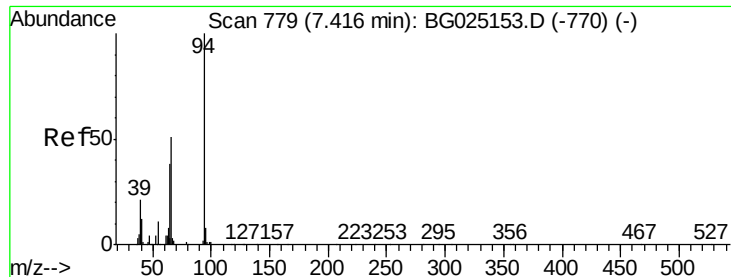
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#6

Phenol

Concen: 4.11 ng/ul

RT: 7.42 min Scan# 780

Delta R.T. 0.00 min

Lab File: BG025165.D

Acq: 14 Dec 2016 4:01

Instrument :

BNA_G

ClientSampleId :

BACKGROUND05-0106-03

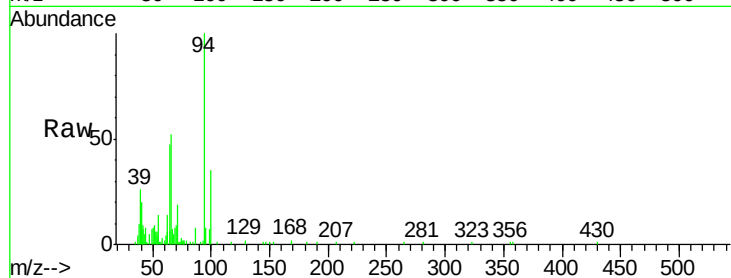
Tgt Ion: 94 Resp: 36837

Ion Ratio Lower Upper

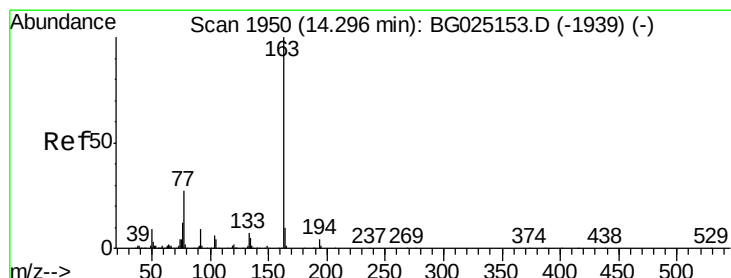
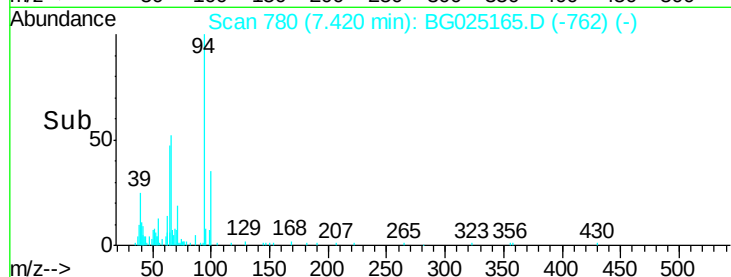
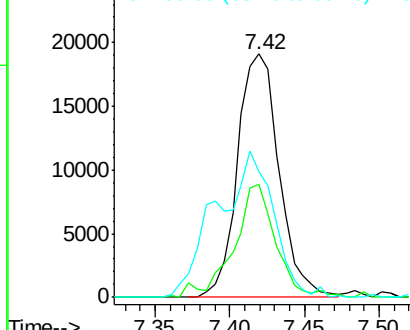
94 100

65 46.6 26.8 40.2#

66 51.9 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



#44

Dimethylphthalate

Concen: 4.21 ng/ul

RT: 14.30 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BG025165.D

Acq: 14 Dec 2016 4:01

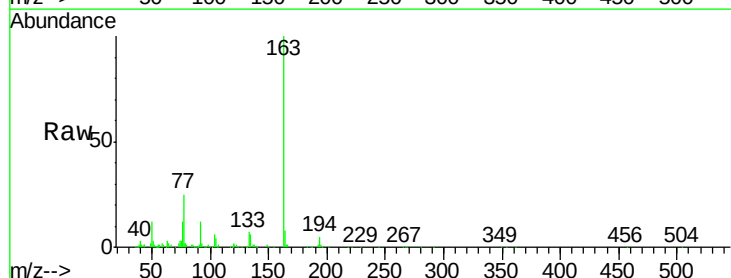
Tgt Ion: 163 Resp: 105173

Ion Ratio Lower Upper

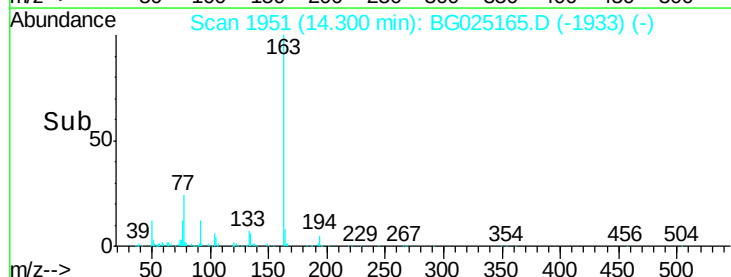
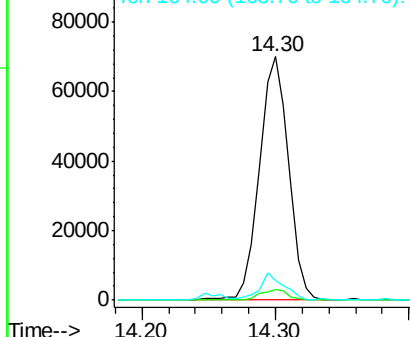
163 100

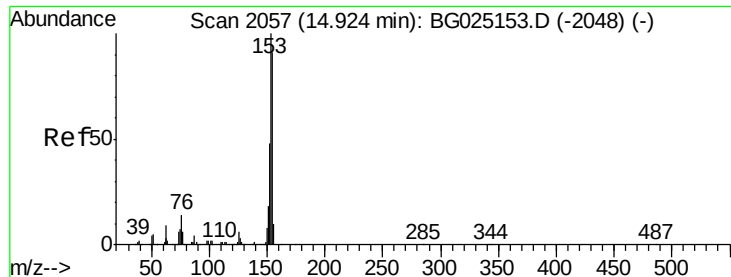
194 4.6 3.4 5.0

164 8.1 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: 2.18 ng/ul

RT: 14.93 min Scan# 2058

Delta R.T. 0.00 min

Lab File: BG025165.D

Acq: 14 Dec 2016 4:01

Instrument :

BNA_G

ClientSampleId :

BACKGROUND05-0106-03

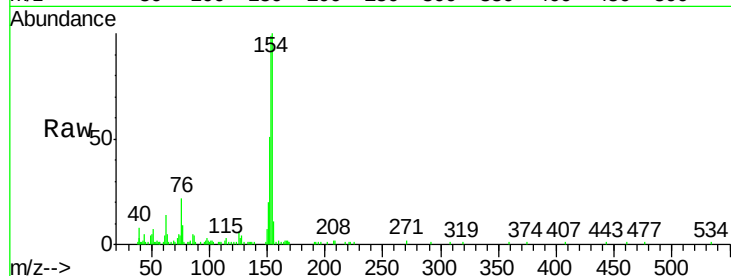
Tgt Ion:153 Resp: 40393

Ion Ratio Lower Upper

153 100

152 51.3 36.5 54.7

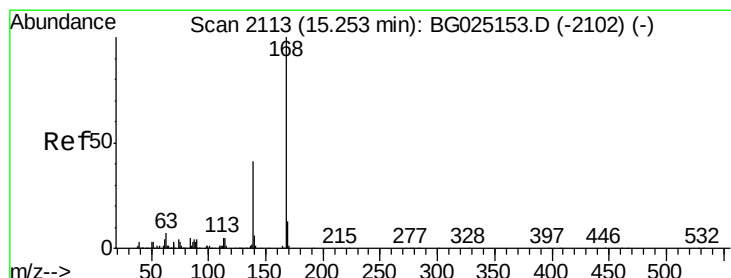
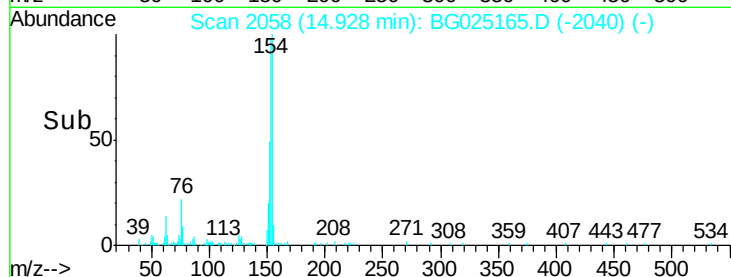
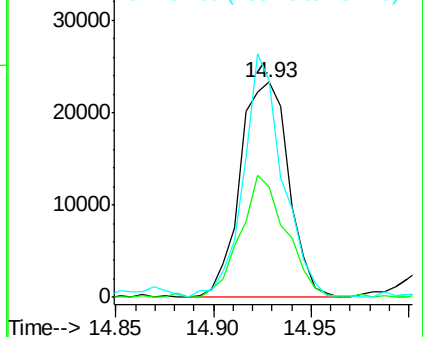
154 100.7 72.3 108.5



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



#53

Dibenzofuran

Concen: 1.31 ng/ul

RT: 15.26 min Scan# 2115

Delta R.T. 0.01 min

Lab File: BG025165.D

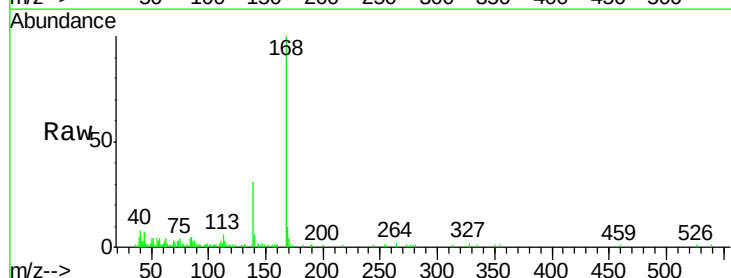
Acq: 14 Dec 2016 4:01

Tgt Ion:168 Resp: 38439

Ion Ratio Lower Upper

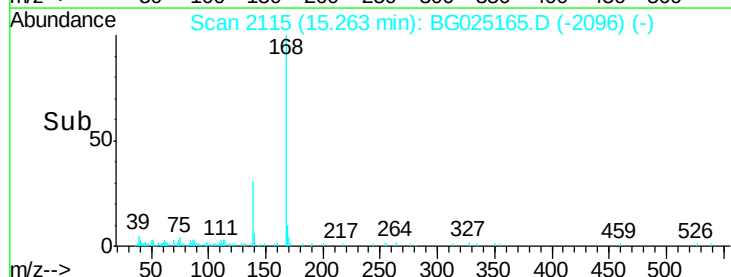
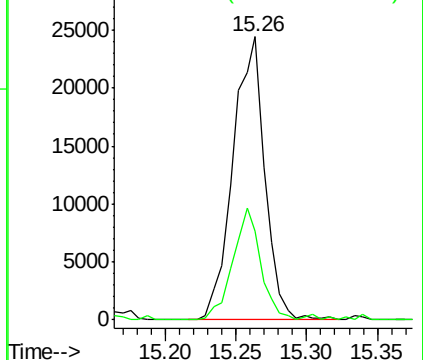
168 100

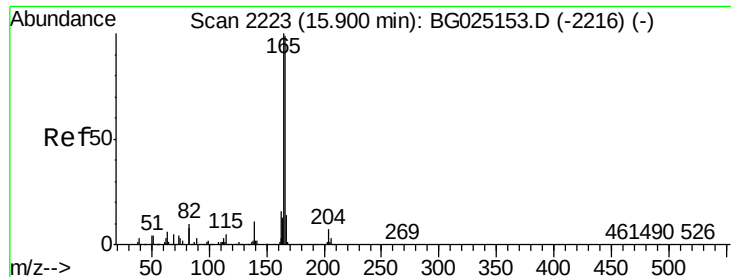
139 31.3 33.8 50.8#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.03 ng/ul

RT: 15.90 min Scan# 2224

Delta R.T. 0.00 min

Lab File: BG025165.D

Acq: 14 Dec 2016 4:01

Instrument :

BNA_G

ClientSampleId :

BACKGROUND05-0106-03

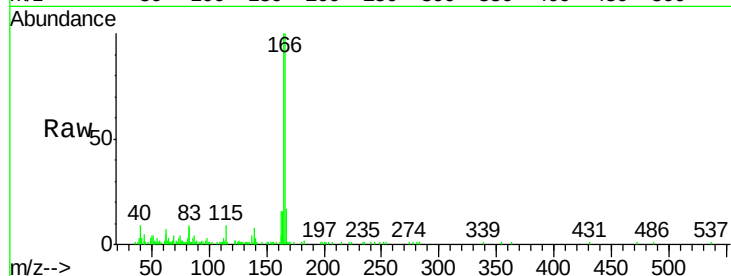
Tgt Ion:166 Resp: 48616

Ion Ratio Lower Upper

166 100

165 100.0 79.7 119.5

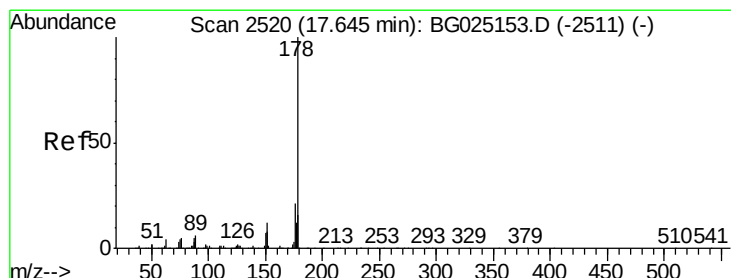
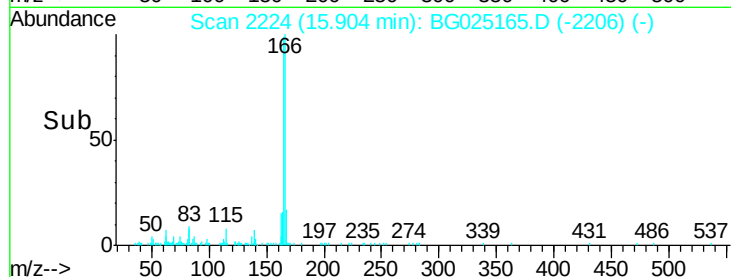
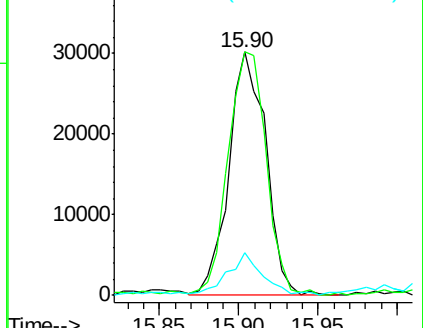
167 17.3 11.4 17.2#



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: 38.11 ng/ul

RT: 17.65 min Scan# 2521

Delta R.T. 0.00 min

Lab File: BG025165.D

Acq: 14 Dec 2016 4:01

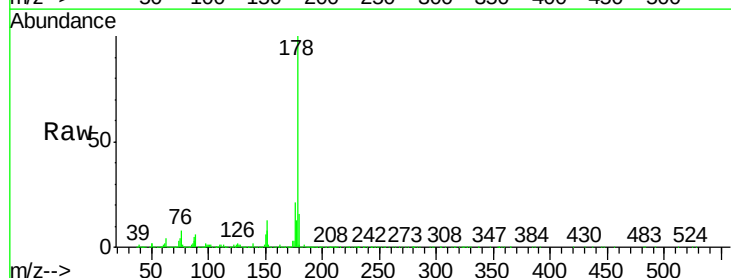
Tgt Ion:178 Resp: 1275505

Ion Ratio Lower Upper

178 100

179 16.0 12.4 18.6

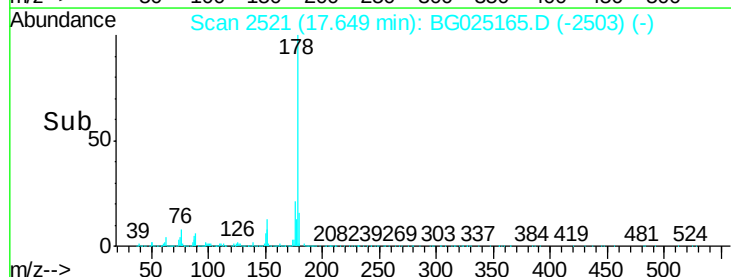
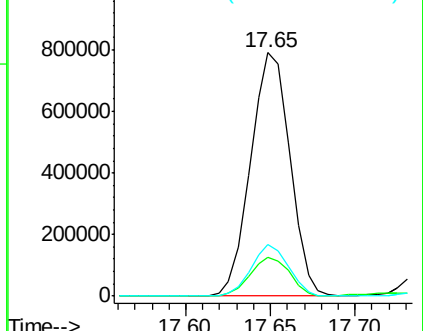
176 21.3 16.5 24.7

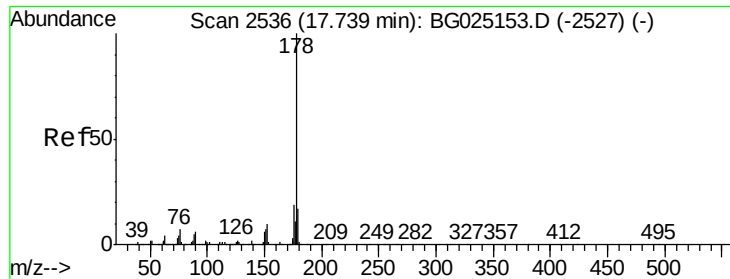


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 3.63 ng/ul

RT: 17.74 min Scan# 2537

Delta R.T. 0.00 min

Lab File: BG025165.D

Acq: 14 Dec 2016 4:01

Instrument :

BNA_G

ClientSampleId :

BACKGROUND05-0106-03

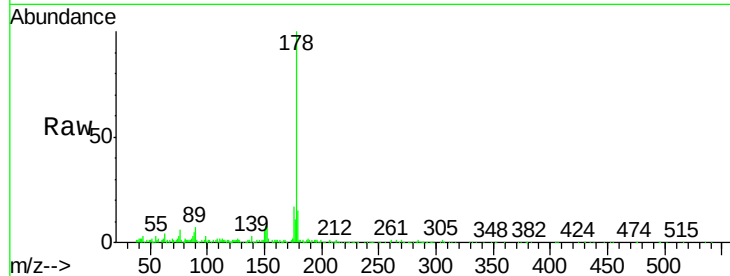
Tgt Ion:178 Resp: 124925

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

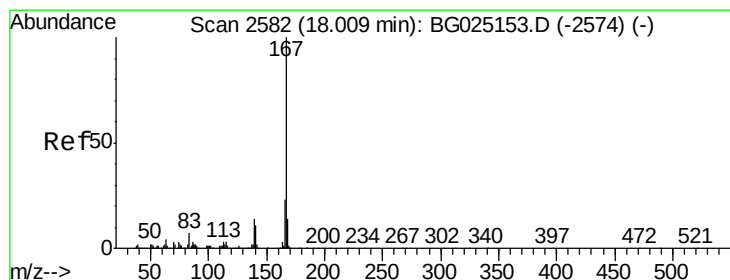
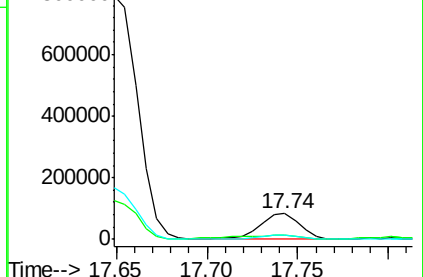
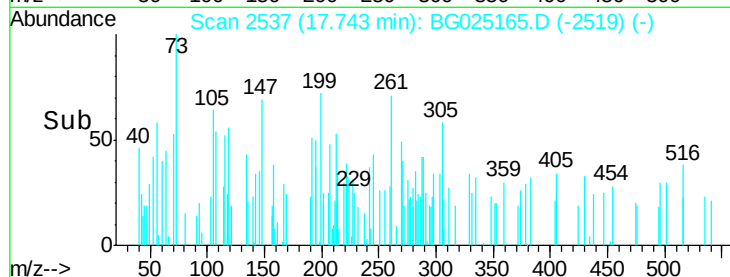
176 17.1 15.9 23.9



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: 3.87 ng/ul

RT: 18.01 min Scan# 2583

Delta R.T. 0.00 min

Lab File: BG025165.D

Acq: 14 Dec 2016 4:01

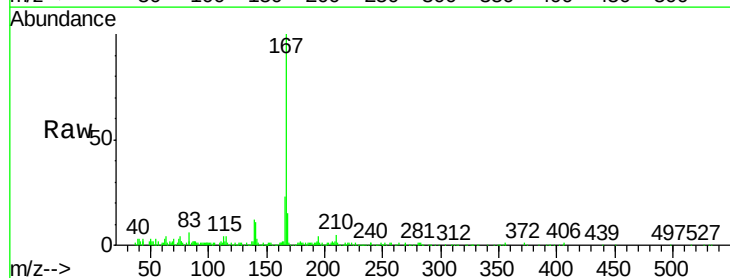
Tgt Ion:167 Resp: 111058

Ion Ratio Lower Upper

167 100

166 22.9 17.9 26.9

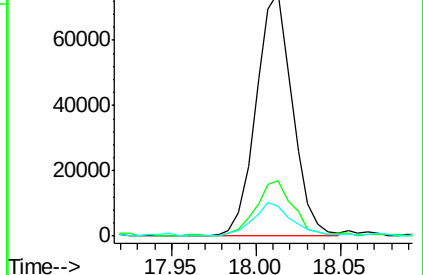
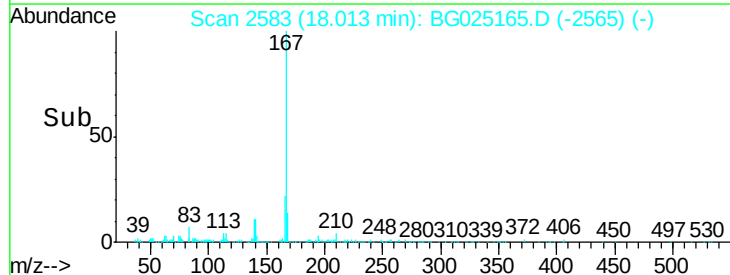
139 12.5 10.5 15.7

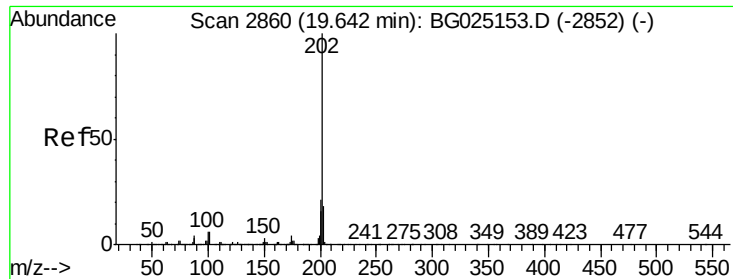


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 62.18 ng/ul

RT: 19.65 min Scan# 2861

Delta R.T. 0.00 min

Lab File: BG025165.D

Acq: 14 Dec 2016 4:01

Instrument :

BNA_G

ClientSampleId :

BACKGROUND05-0106-03

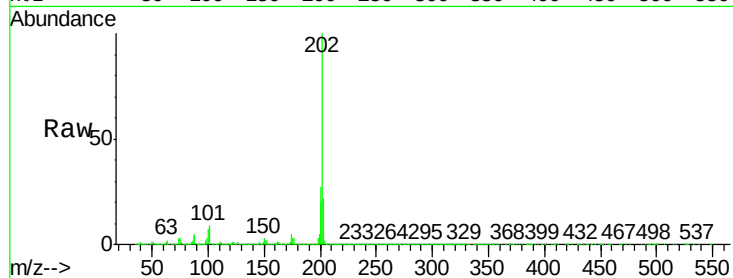
Tgt Ion:202 Resp: 2472976

Ion Ratio Lower Upper

202 100

101 9.4 6.2 9.2#

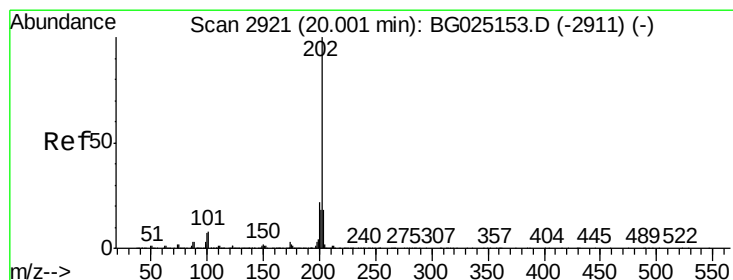
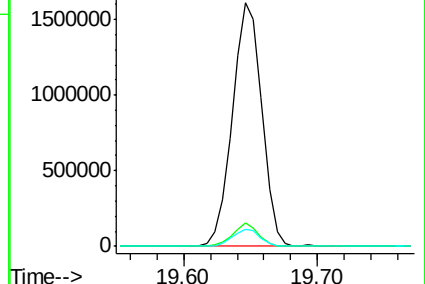
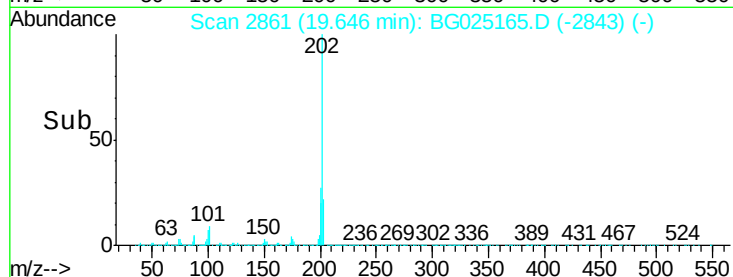
100 7.2 5.2 7.8



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: 53.31 ng/ul

RT: 20.01 min Scan# 2923

Delta R.T. 0.01 min

Lab File: BG025165.D

Acq: 14 Dec 2016 4:01

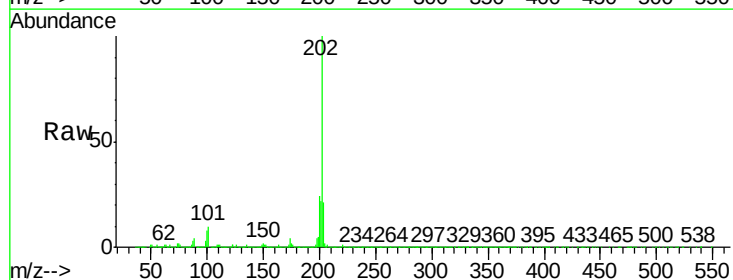
Tgt Ion:202 Resp: 2036925

Ion Ratio Lower Upper

202 100

101 9.7 6.9 10.3

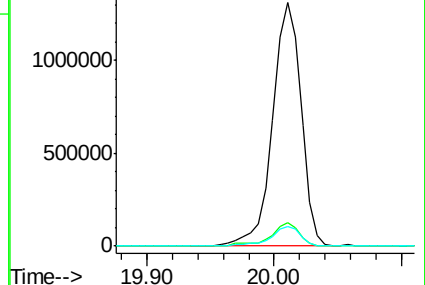
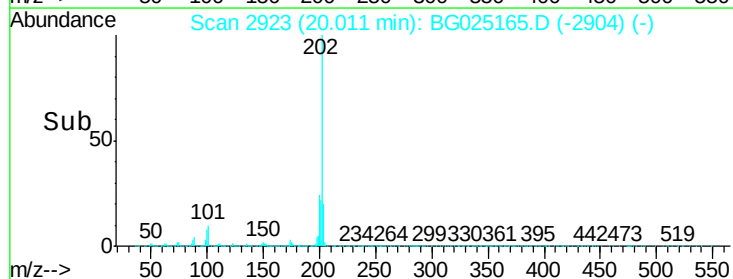
100 8.3 6.6 10.0

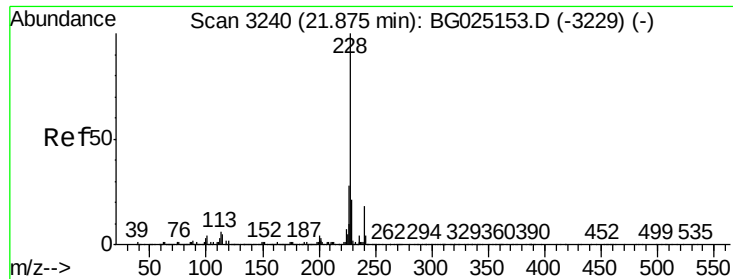


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 25.47 ng/ul

RT: 21.88 min Scan# 3242

Delta R.T. 0.01 min

Lab File: BG025165.D

Acq: 14 Dec 2016 4:01

Instrument :

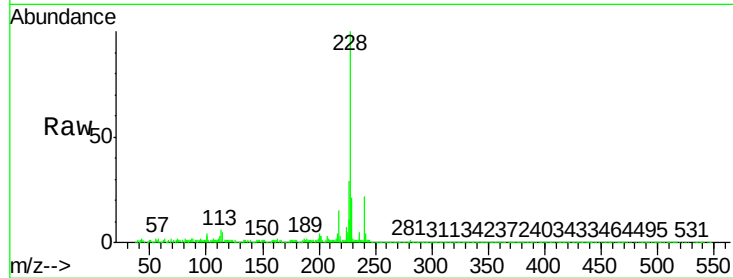
BNA_G

ClientSampleId :

BACKGROUND05-0106-03

Tgt Ion:228 Resp: 1051961

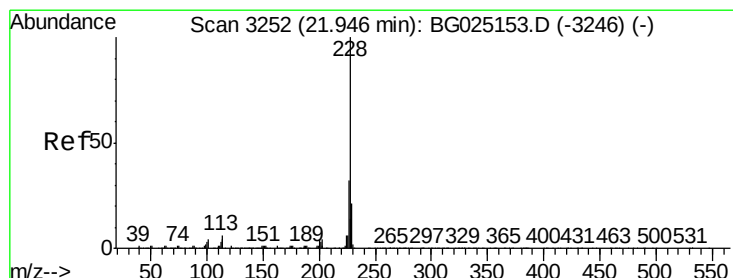
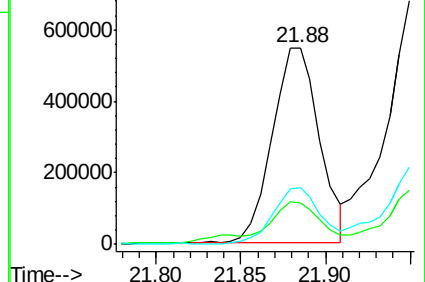
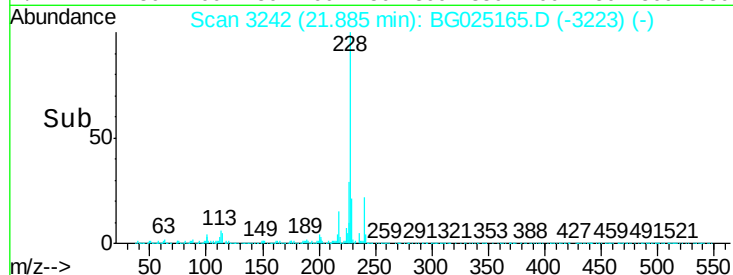
Ion	Ratio	Lower	Upper
228	100		
229	21.1	16.3	24.5
226	28.8	21.9	32.9



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



#82

Chrysene

Concen: 36.87 ng/ul

RT: 21.96 min Scan# 3254

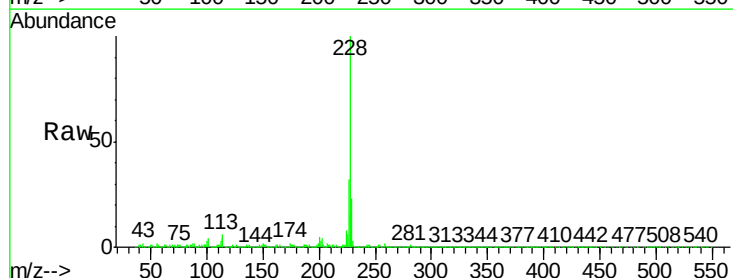
Delta R.T. 0.01 min

Lab File: BG025165.D

Acq: 14 Dec 2016 4:01

Tgt Ion:228 Resp: 1424207

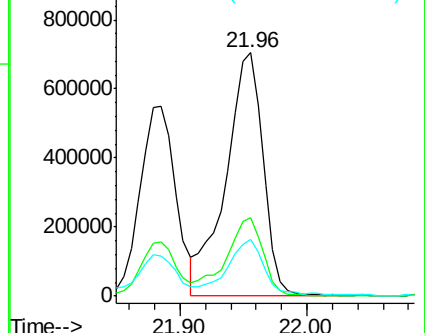
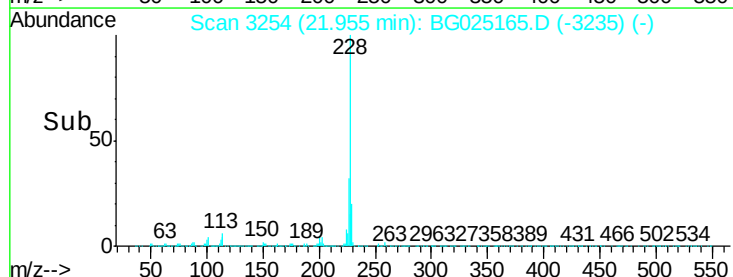
Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.0	36.0
229	23.3	16.9	25.3

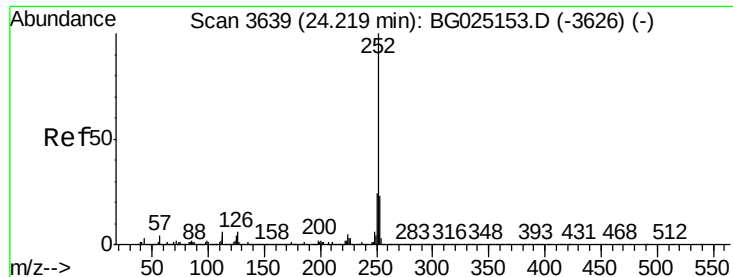


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

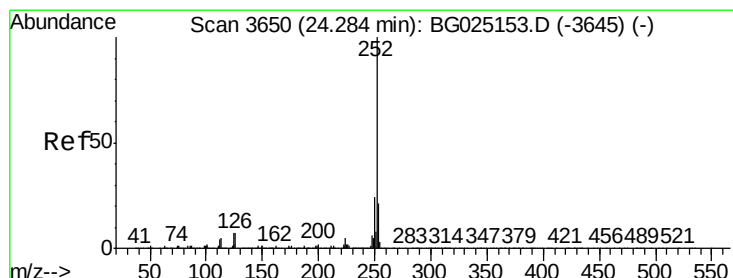
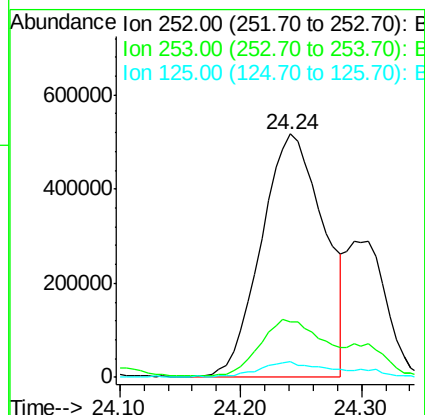
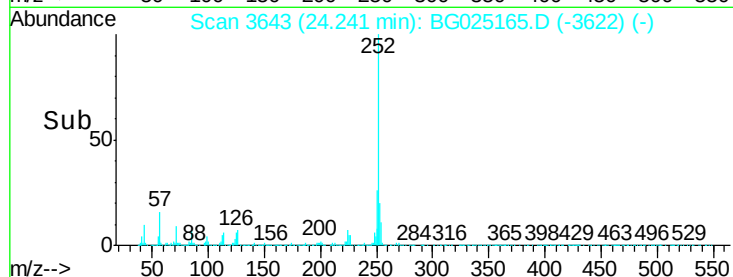
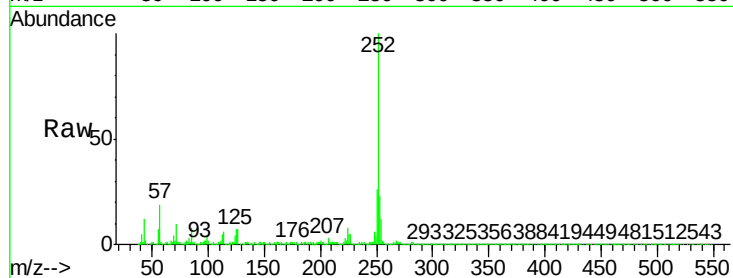




#85
Benzo(b)fluoranthene
Concen: 44.90 ng/ul
RT: 24.24 min Scan# 3643
Delta R.T. 0.02 min
Lab File: BG025165.D
Acq: 14 Dec 2016 4:01

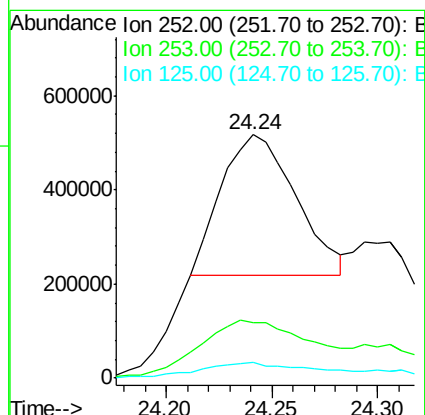
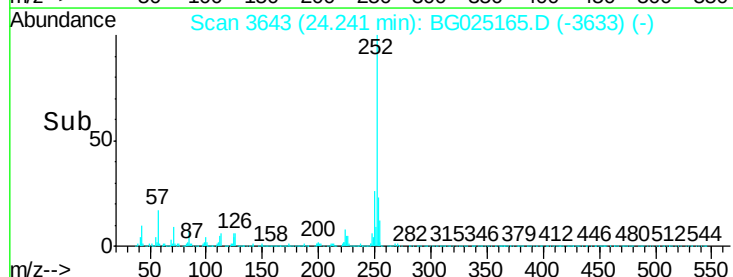
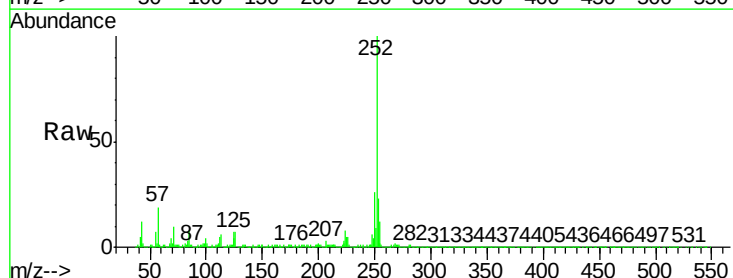
Instrument :
BNA_G
ClientSampleId :
BACKGROUND05-0106-03

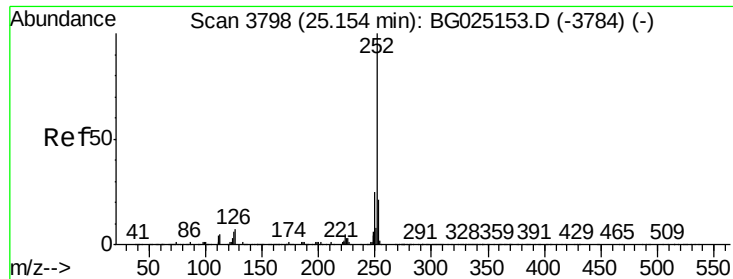
Tgt Ion:252 Resp: 1852233
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 6.7 4.0 6.0#



#86
Benzo(k)fluoranthene
Concen: 18.62 ng/ul
RT: 24.24 min Scan# 3643
Delta R.T. -0.04 min
Lab File: BG025165.D
Acq: 14 Dec 2016 4:01

Tgt Ion:252 Resp: 729974
Ion Ratio Lower Upper
252 100
253 22.9 18.5 27.7
125 6.7 4.1 6.1#





#88

Benzo(a)pyrene

Concen: 28.60 ng/ul

RT: 25.18 min Scan# 3802

Delta R.T. 0.02 min

Lab File: BG025165.D

Acq: 14 Dec 2016 4:01

Instrument :

BNA_G

ClientSampleId :

BACKGROUND05-0106-03

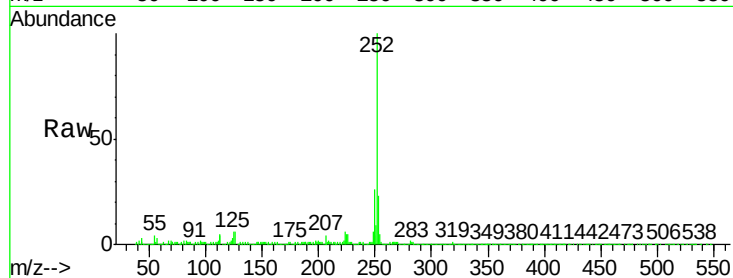
Tgt Ion:252 Resp: 1134318

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

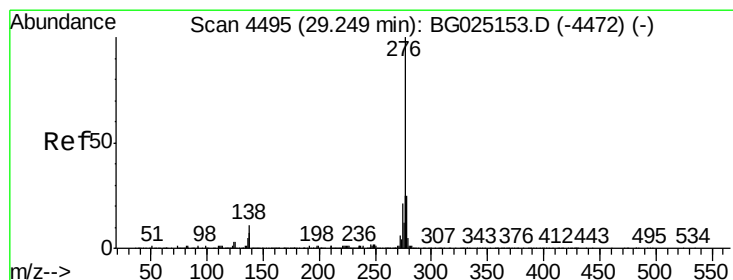
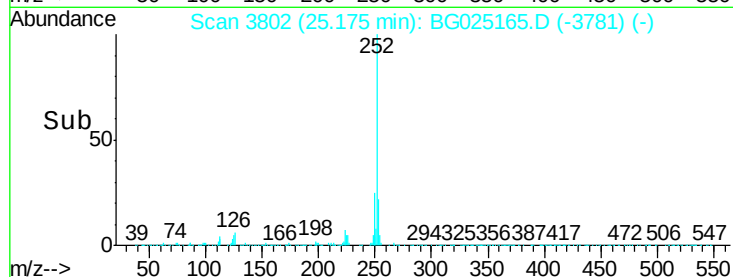
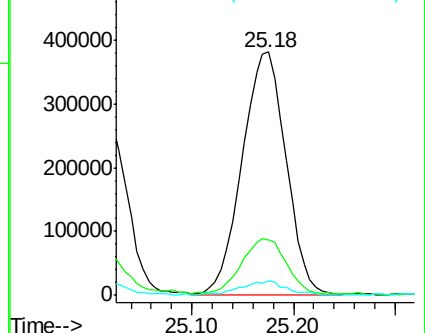
125 5.8 5.4 8.0



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: 17.34 ng/ul

RT: 29.28 min Scan# 4501

Delta R.T. 0.03 min

Lab File: BG025165.D

Acq: 14 Dec 2016 4:01

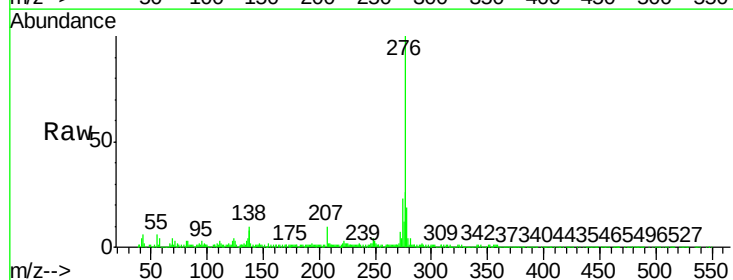
Tgt Ion:276 Resp: 854772

Ion Ratio Lower Upper

276 100

138 10.4 8.2 12.4

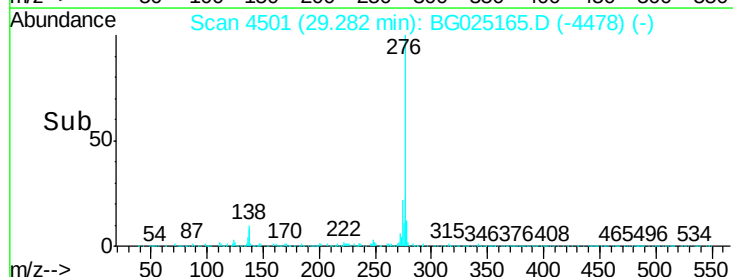
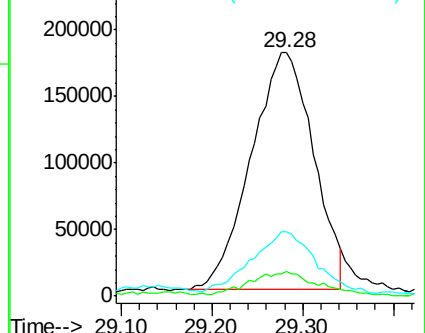
277 26.3 18.6 28.0

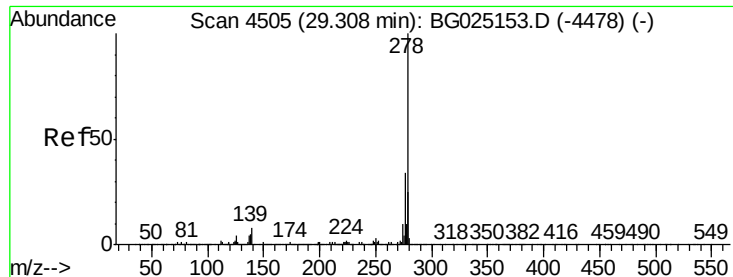


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 4.82 ng/ul

RT: 29.31 min Scan# 4505

Delta R.T. -0.00 min

Lab File: BG025165.D

Acq: 14 Dec 2016 4:01

Instrument :

BNA_G

ClientSampleId :

BACKGROUND05-0106-03

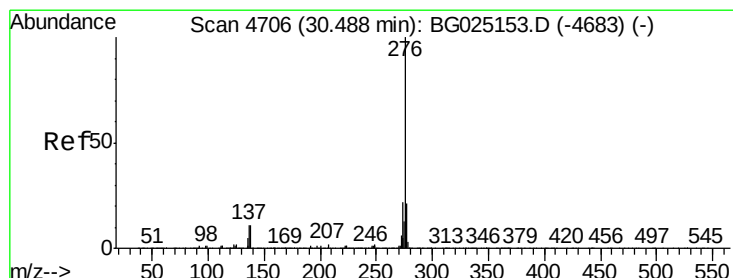
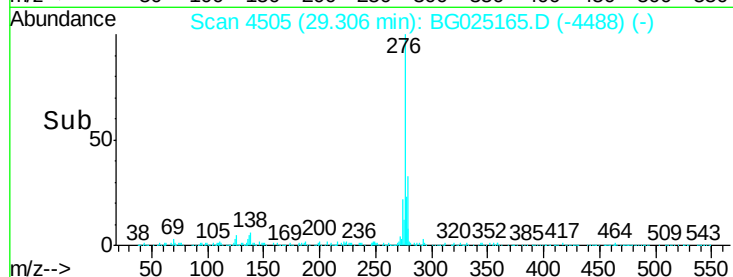
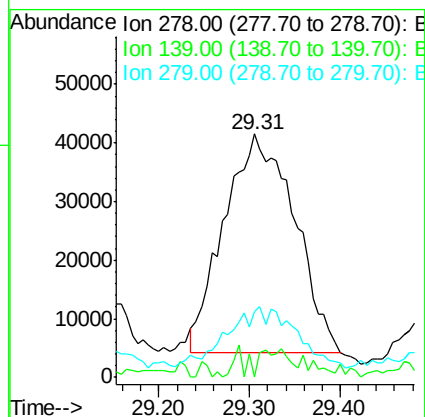
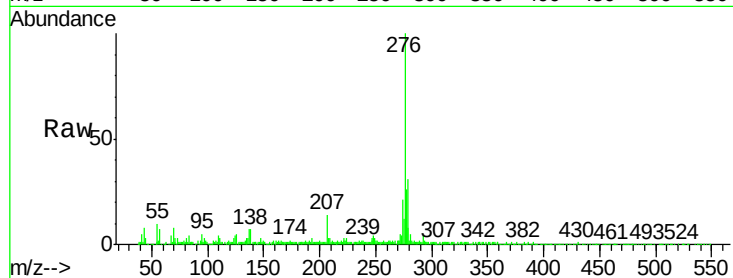
Tgt Ion: 278 Resp: 199987

Ion Ratio Lower Upper

278 100

139 0.0 6.7 10.1#

279 27.0 20.9 31.3



#91

Benzo(g,h,i)perylene

Concen: 18.21 ng/ul

RT: 30.53 min Scan# 4713

Delta R.T. 0.04 min

Lab File: BG025165.D

Acq: 14 Dec 2016 4:01

Tgt Ion: 276 Resp: 748888

Ion Ratio Lower Upper

276 100

138 8.9 8.6 12.8

277 27.2 17.6 26.4#

