

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012417\
 Data File : BG025623.D
 Acq On : 25 Jan 2017 1:06
 Operator : UM/SJ
 Sample : I1316-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BDNZ3

Quant Time: Jan 25 02:38:06 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 25 02:29:56 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	87438	20.00	ng/ul	0.00
18) Naphthalene-d8	11.00	136	412701	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.80	164	354418	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	783206	20.00	ng/ul	0.00
75) Chrysene-d12	21.84	240	910651	20.00	ng/ul	0.00
83) Perylene-d12	25.23	264	957746	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.51	96	8255	4.72	ng/uL	0.00
5) Phenol-d5	7.34	99	212958	28.42	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	162254	33.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.71	132	161798	30.61	ng/ul	0.00
13) 4-Methylphenol-d8	8.89	113	173628	27.26	ng/ul	0.00
19) Nitrobenzene-d5	9.36	128	94572	32.33	ng/ul	0.00
22) 2-Nitrophenol-d4	10.09	143	112105	32.12	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.63	165	197692	28.71	ng/ul	0.00
29) 4-Chloroaniline-d4	11.15	131	231099	30.02	ng/ul	0.00
43) Dimethylphthalate-d6	14.20	166	798557	31.91	ng/ul	0.00
46) Acenaphthylene-d8	14.51	160	890408	32.94	ng/ul	0.00
51) 4-Nitrophenol-d4	15.05	143	84653	24.68	ng/ul	0.00
57) Fluorene-d10	15.80	176	732203	31.04	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.94	200	139049	28.78	ng/ul	0.00
70) Anthracene-d10	17.65	188	1063654	31.90	ng/ul	0.00
76) Pyrene-d10	19.93	212	1276256	33.68	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.00	264	1281412	31.83	ng/ul	0.00

Target Compounds

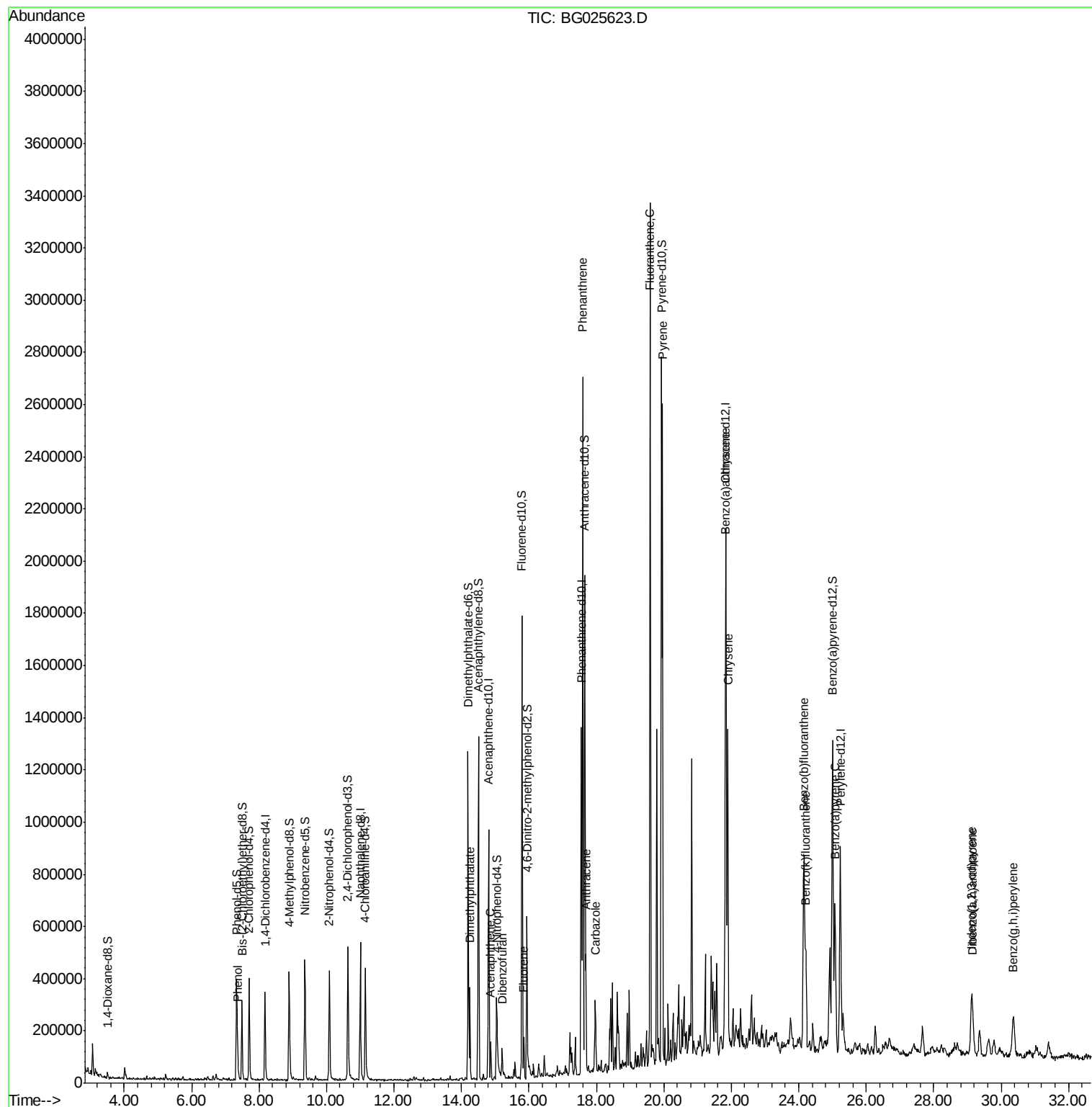
						Qvalue
6) Phenol	7.37	94	39156	4.97	ng/ul#	87
44) Dimethylphthalate	14.25	163	208378	8.47	ng/ul	98
49) Acenaphthene	14.87	153	57385	3.06	ng/ul	94
53) Dibenzofuran	15.21	168	65418	2.27	ng/ul	94
58) Fluorene	15.85	166	64467	2.74	ng/ul	96
69) Phenanthrene	17.60	178	1543580	40.54	ng/ul	99
71) Anthracene	17.69	178	284072	7.42	ng/ul	99
72) Carbazole	17.96	167	169199	5.33	ng/ul	97
74) Fluoranthene	19.60	202	1996078	44.42	ng/ul	98
77) Pyrene	19.96	202	1589361	35.49	ng/ul	98
80) Benzo(a)anthracene	21.83	228	1007766	20.94	ng/ul	98
82) Chrysene	21.89	228	906823	20.04	ng/ul	97
85) Benzo(b)fluoranthene	24.15	252	1018158	20.54	ng/ul	96
86) Benzo(k)fluoranthene	24.21	252	315588	6.79	ng/ul	97
88) Benzo(a)pyrene	25.08	252	644968	13.76	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.14	276	408719	6.88	ng/ul#	93
90) Dibenzo(a,h)anthracene	29.16	278	54226	1.10	ng/ul	98
91) Benzo(g,h,i)perylene	30.37	276	325149	6.67	ng/ul	98

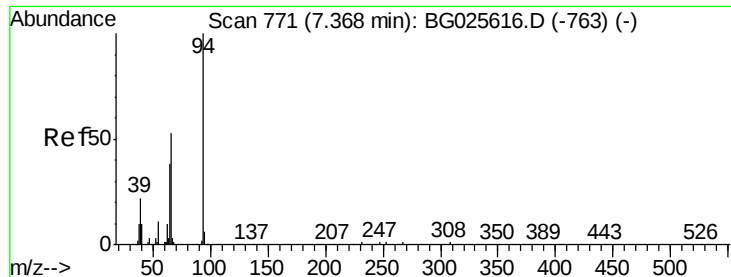
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 4.97 ng/ul

RT: 7.37 min Scan# 772

Delta R.T. 0.00 min

Lab File: BG025623.D

Acq: 25 Jan 2017 1:06

Instrument :

BNA_G

ClientSampleId :

BDNZ3

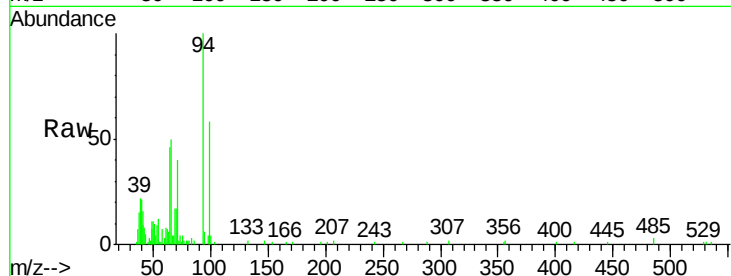
Tgt Ion: 94 Resp: 39156

Ion Ratio Lower Upper

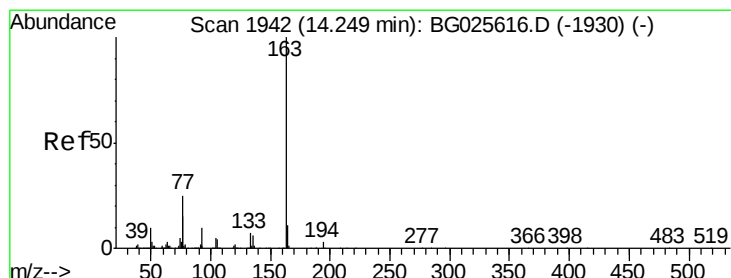
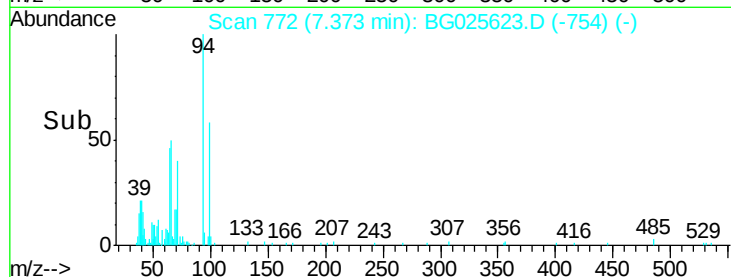
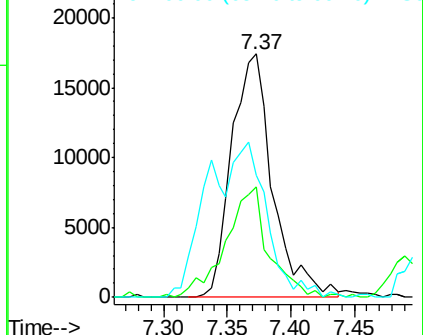
94 100

65 45.6 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



#44

Dimethylphthalate

Concen: 8.47 ng/ul

RT: 14.25 min Scan# 1942

Delta R.T. -0.00 min

Lab File: BG025623.D

Acq: 25 Jan 2017 1:06

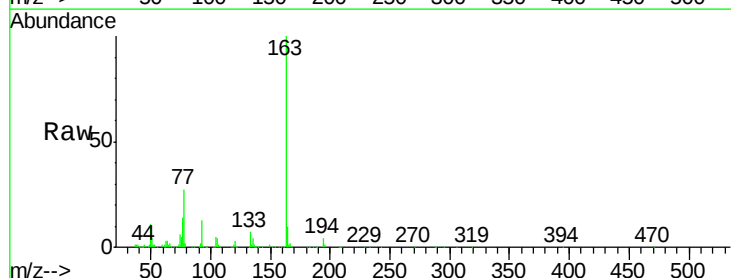
Tgt Ion: 163 Resp: 208378

Ion Ratio Lower Upper

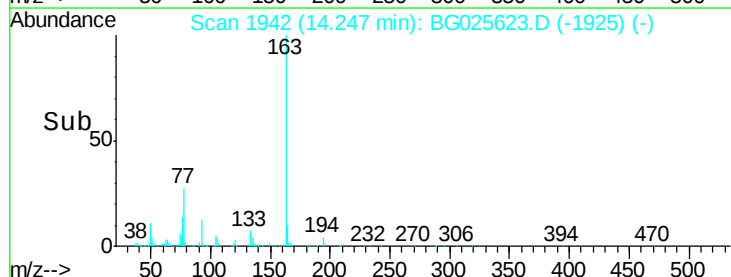
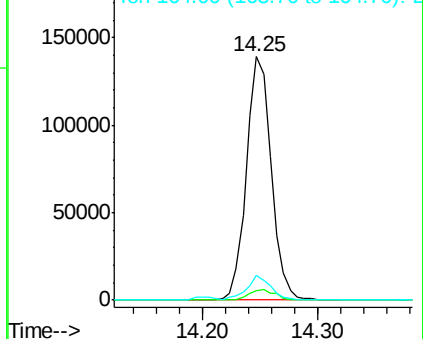
163 100

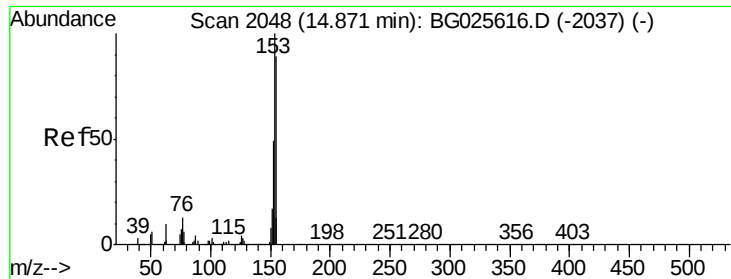
194 3.7 3.4 5.0

164 10.2 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: 3.06 ng/ul

RT: 14.87 min Scan# 2048

Delta R.T. -0.00 min

Lab File: BG025623.D

Acq: 25 Jan 2017 1:06

Instrument :

BNA_G

ClientSampleId :

BDNZ3

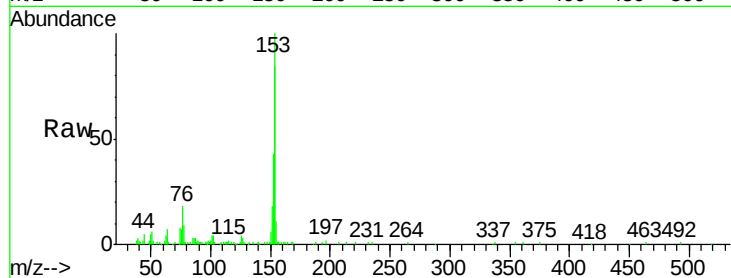
Tgt Ion:153 Resp: 57385

Ion Ratio Lower Upper

153 100

152 42.9 36.5 54.7

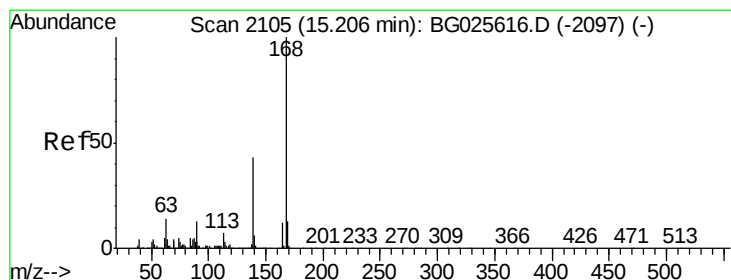
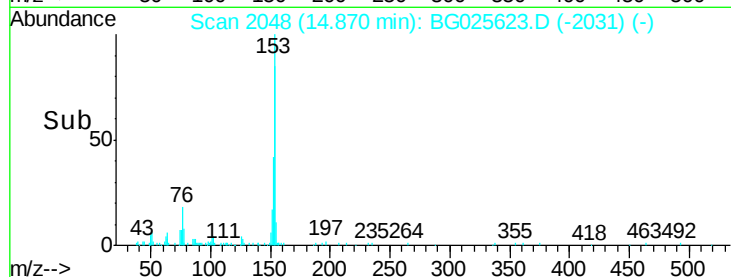
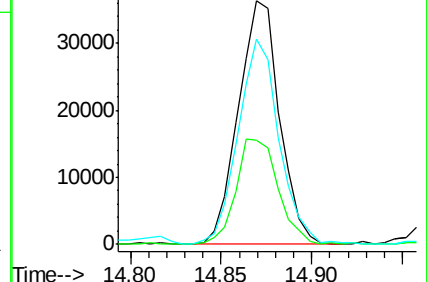
154 84.4 72.3 108.5



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: 2.27 ng/ul

RT: 15.21 min Scan# 2106

Delta R.T. 0.00 min

Lab File: BG025623.D

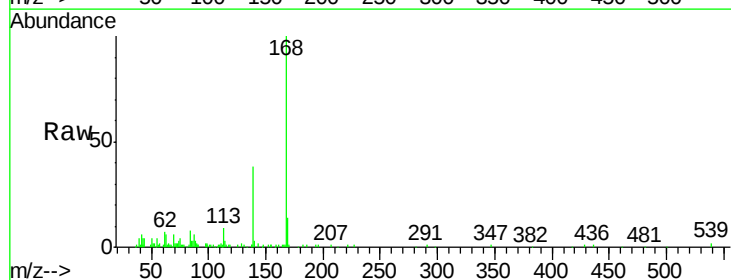
Acq: 25 Jan 2017 1:06

Tgt Ion:168 Resp: 65418

Ion Ratio Lower Upper

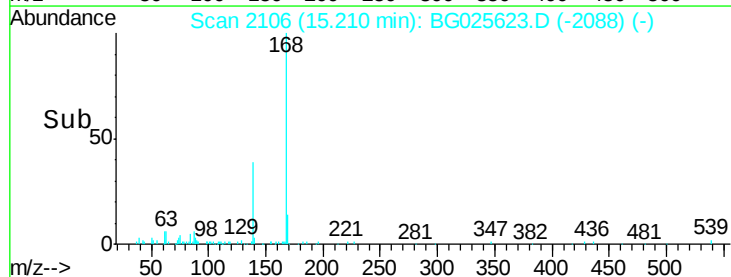
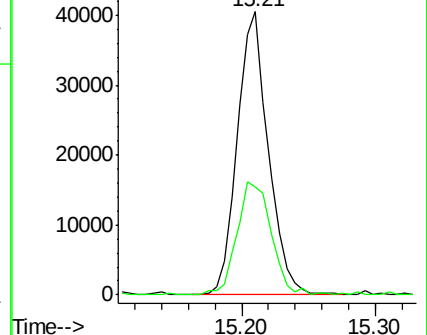
168 100

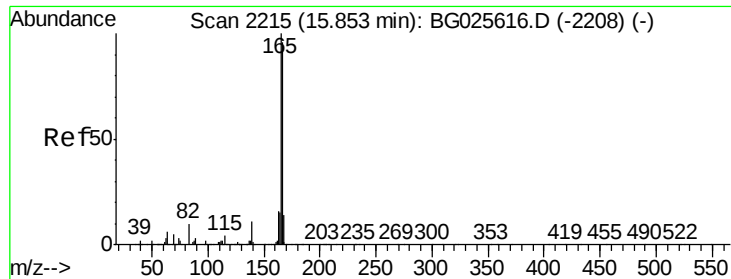
139 38.3 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.74 ng/ul

RT: 15.85 min Scan# 2215

Delta R.T. -0.00 min

Lab File: BG025623.D

Acq: 25 Jan 2017 1:06

Instrument :

BNA_G

ClientSampleId :

BDNZ3

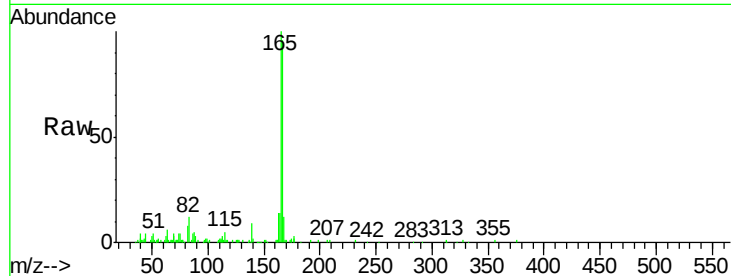
Tgt Ion:166 Resp: 64467

Ion Ratio Lower Upper

166 100

165 103.8 79.7 119.5

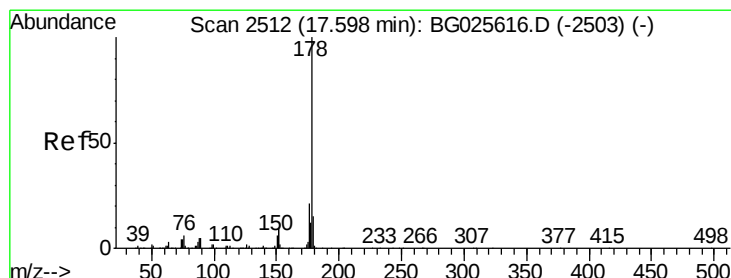
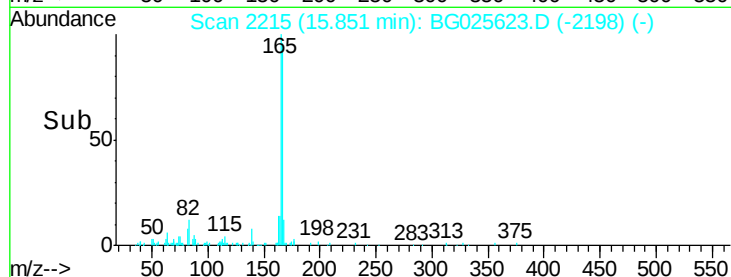
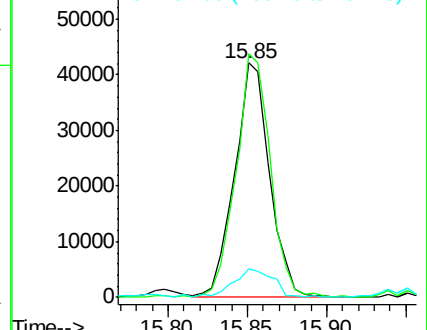
167 12.2 11.4 17.2



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: 40.54 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. -0.00 min

Lab File: BG025623.D

Acq: 25 Jan 2017 1:06

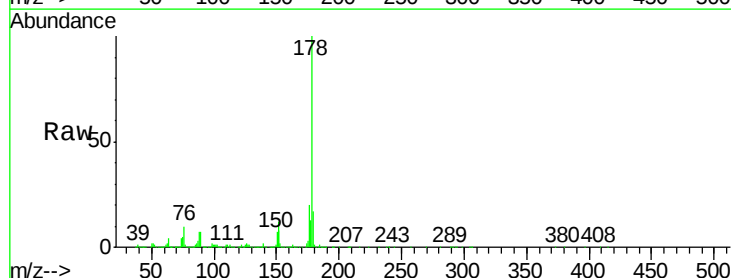
Tgt Ion:178 Resp: 1543580

Ion Ratio Lower Upper

178 100

179 16.8 12.4 18.6

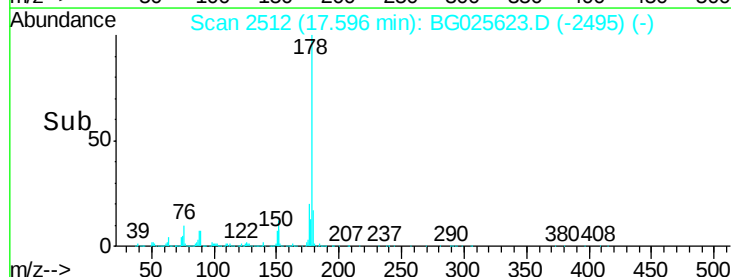
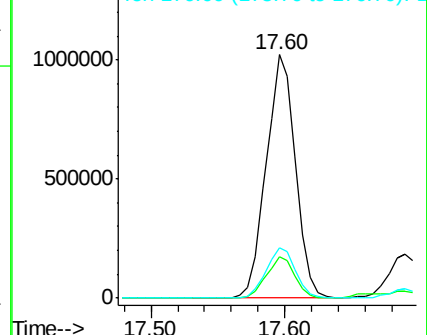
176 20.5 16.5 24.7

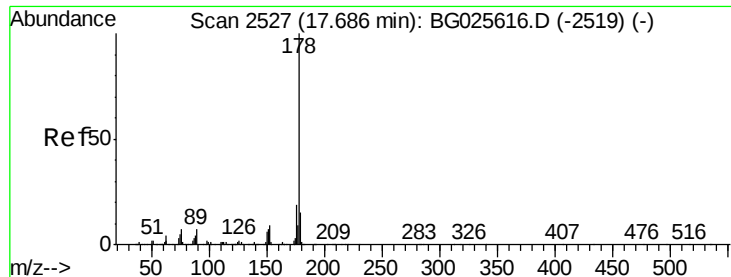


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 7.42 ng/ul

RT: 17.69 min Scan# 2528

Delta R.T. 0.00 min

Lab File: BG025623.D

Acq: 25 Jan 2017 1:06

Instrument :

BNA_G

ClientSampleId :

BDNZ3

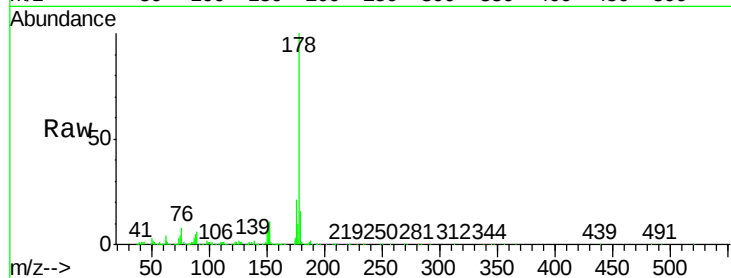
Tgt Ion:178 Resp: 284072

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

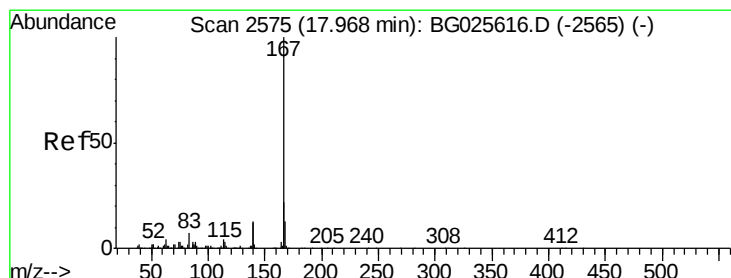
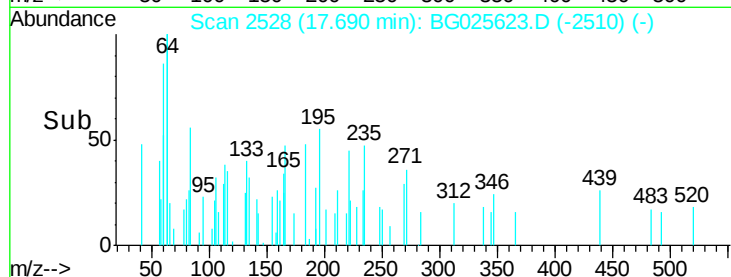
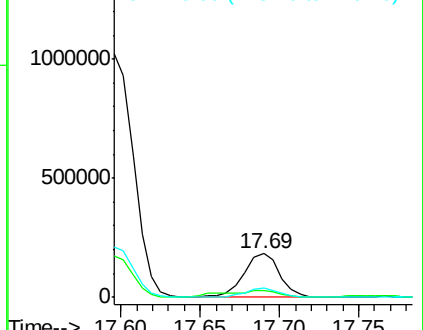
176 20.8 15.9 23.9



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: 5.33 ng/ul

RT: 17.96 min Scan# 2574

Delta R.T. -0.01 min

Lab File: BG025623.D

Acq: 25 Jan 2017 1:06

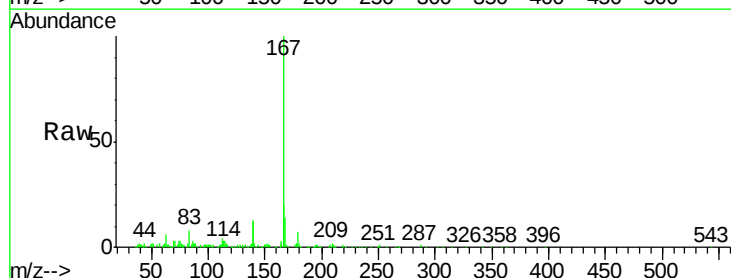
Tgt Ion:167 Resp: 169199

Ion Ratio Lower Upper

167 100

166 19.8 17.9 26.9

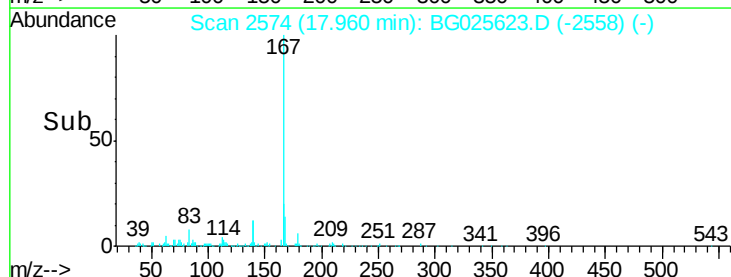
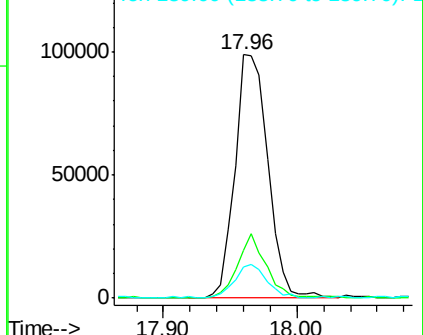
139 13.1 10.5 15.7

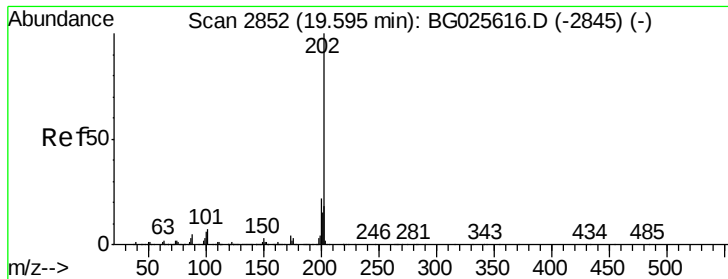


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 44.42 ng/ul

RT: 19.60 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BG025623.D

Acq: 25 Jan 2017 1:06

Instrument :

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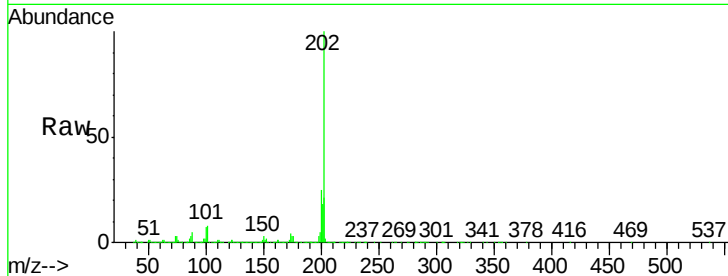
Tgt Ion:202 Resp: 1996078

Ion Ratio Lower Upper

202 100

101 8.1 6.2 9.2

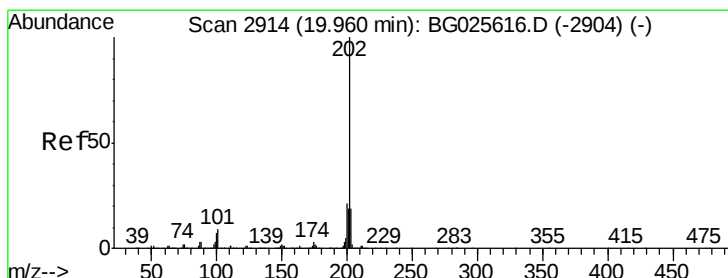
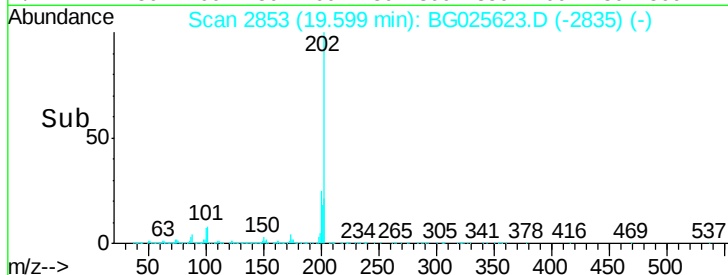
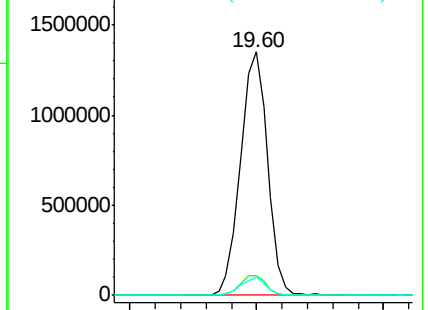
100 7.3 5.2 7.8



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: 35.49 ng/ul

RT: 19.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: BG025623.D

Acq: 25 Jan 2017 1:06

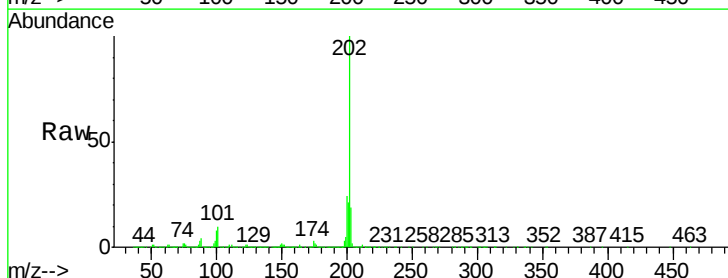
Tgt Ion:202 Resp: 1589361

Ion Ratio Lower Upper

202 100

101 9.9 6.9 10.3

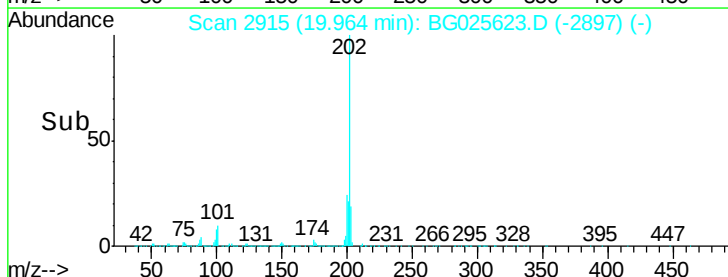
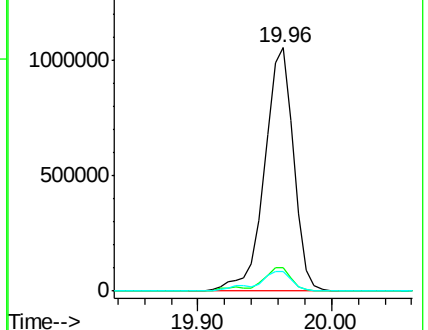
100 8.2 6.6 10.0

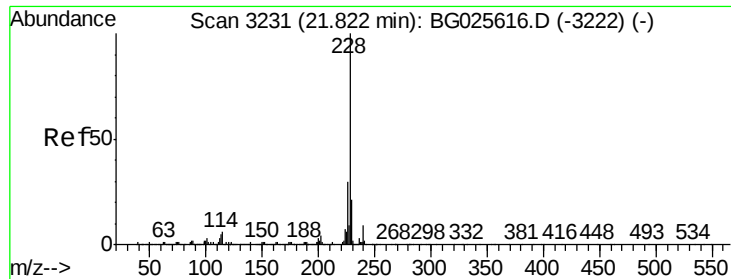


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 20.94 ng/ul

RT: 21.83 min Scan# 3232

Delta R.T. 0.00 min

Lab File: BG025623.D

Acq: 25 Jan 2017 1:06

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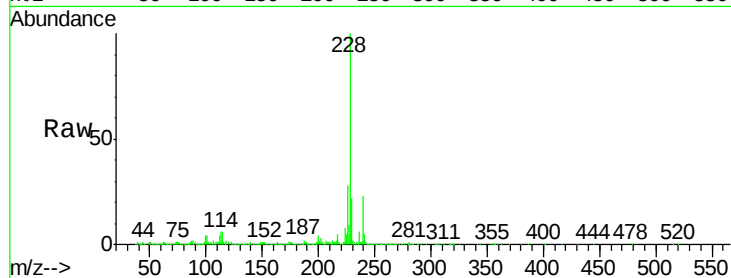
Tgt Ion:228 Resp: 1007766

Ion Ratio Lower Upper

228 100

229 21.7 16.3 24.5

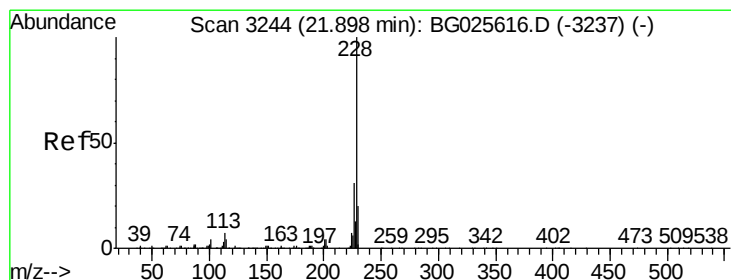
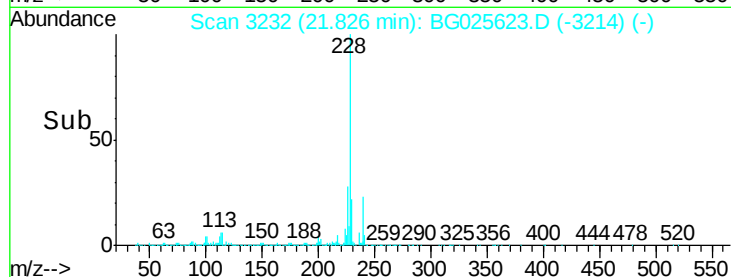
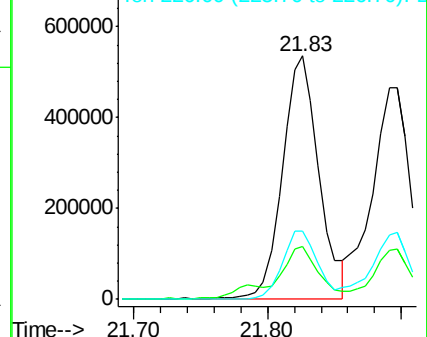
226 27.8 21.9 32.9



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: 20.04 ng/ul

RT: 21.89 min Scan# 3243

Delta R.T. -0.01 min

Lab File: BG025623.D

Acq: 25 Jan 2017 1:06

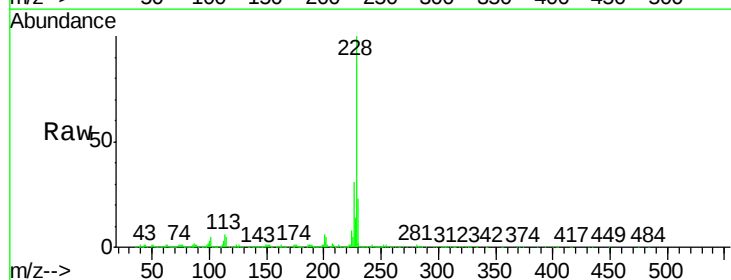
Tgt Ion:228 Resp: 906823

Ion Ratio Lower Upper

228 100

226 30.5 24.0 36.0

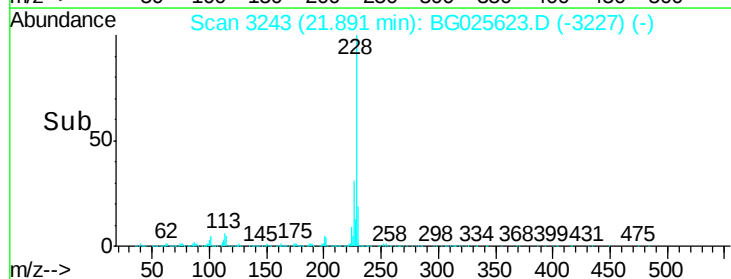
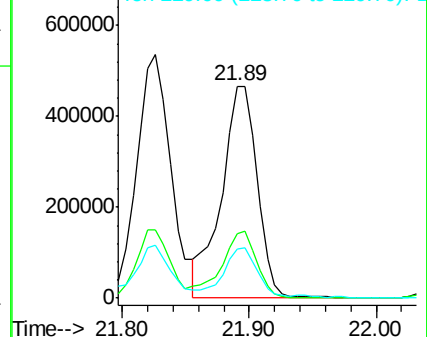
229 23.4 16.9 25.3

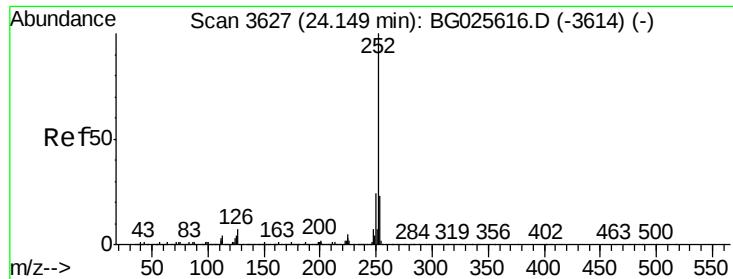


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 20.54 ng/ul

RT: 24.15 min Scan# 3628

Delta R.T. 0.00 min

Lab File: BG025623.D

Acq: 25 Jan 2017 1:06

Instrument :

BNA_G

ClientSampleId :

BDNZ3

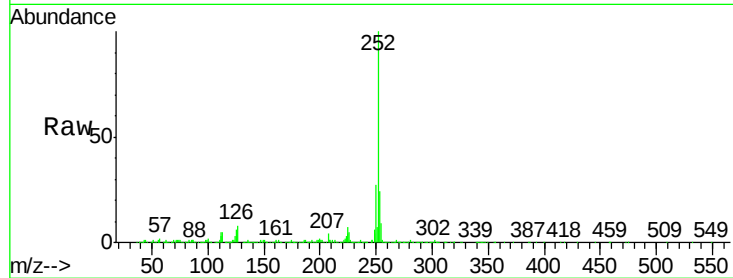
Tgt Ion:252 Resp: 1018158

Ion Ratio Lower Upper

252 100

253 24.2 17.7 26.5

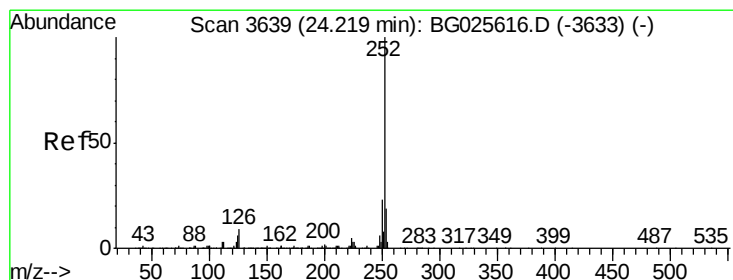
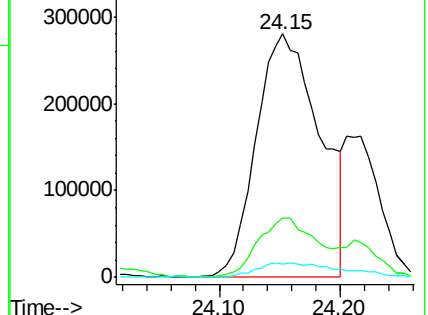
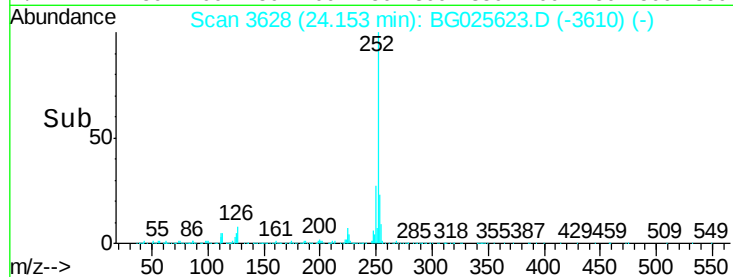
125 5.6 4.0 6.0



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: 6.79 ng/ul

RT: 24.21 min Scan# 3637

Delta R.T. -0.01 min

Lab File: BG025623.D

Acq: 25 Jan 2017 1:06

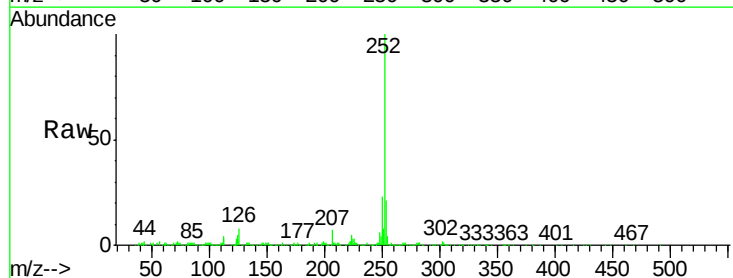
Tgt Ion:252 Resp: 315588

Ion Ratio Lower Upper

252 100

253 21.3 18.5 27.7

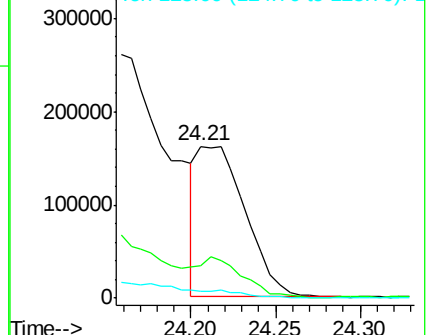
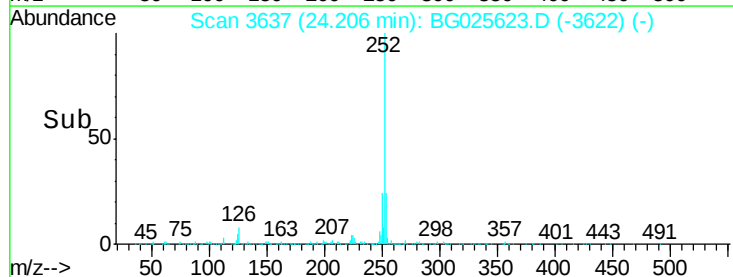
125 4.8 4.1 6.1

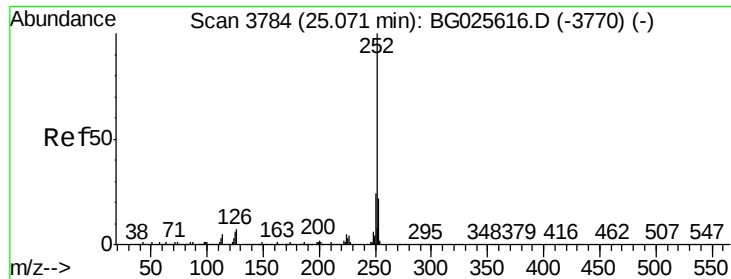


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 13.76 ng/ul

RT: 25.08 min Scan# 3785

Delta R.T. 0.00 min

Lab File: BG025623.D

Acq: 25 Jan 2017 1:06

Instrument :

BNA_G

ClientSampleId :

BDNZ3

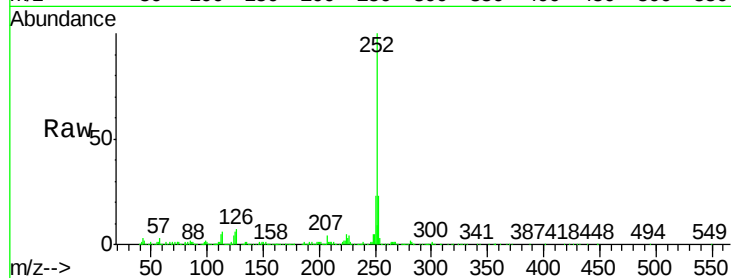
Tgt Ion:252 Resp: 644968

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

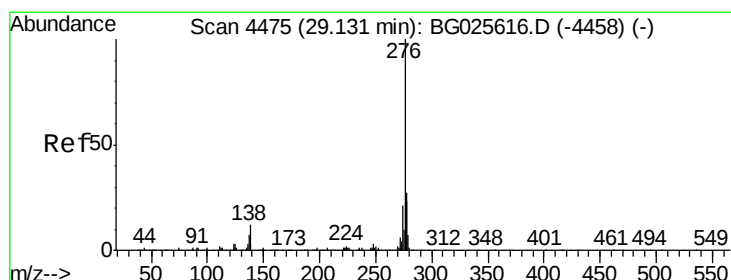
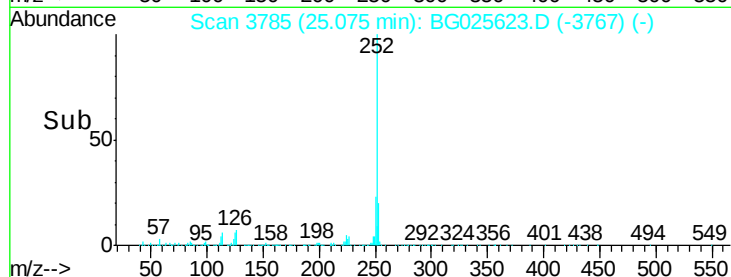
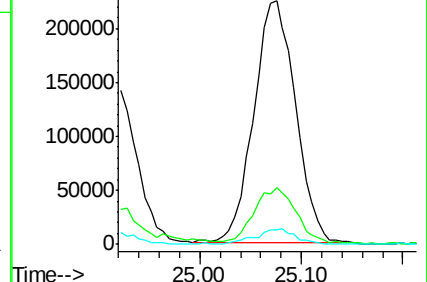
125 6.0 5.4 8.0



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: 6.88 ng/ul

RT: 29.14 min Scan# 4476

Delta R.T. 0.00 min

Lab File: BG025623.D

Acq: 25 Jan 2017 1:06

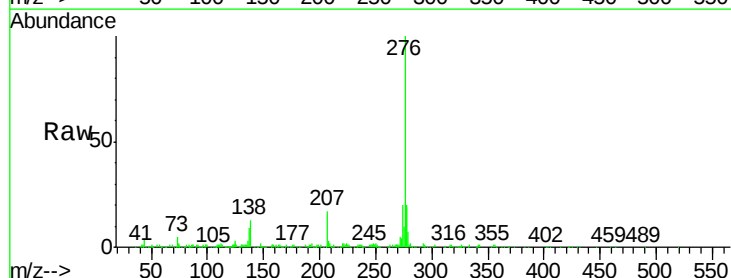
Tgt Ion:276 Resp: 408719

Ion Ratio Lower Upper

276 100

138 12.8 8.2 12.4#

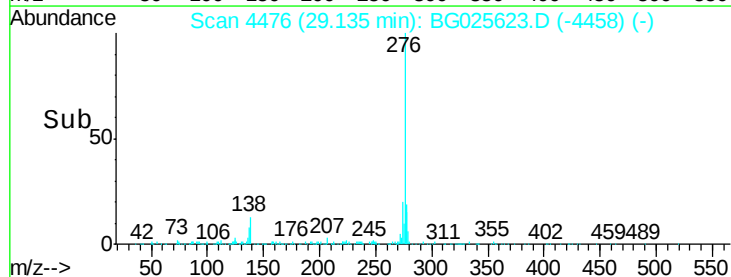
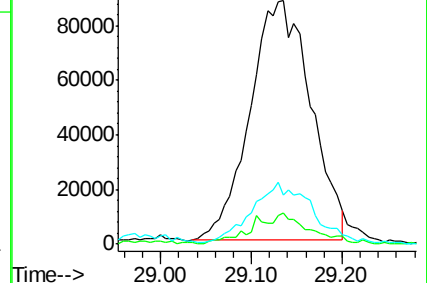
277 20.1 18.6 28.0

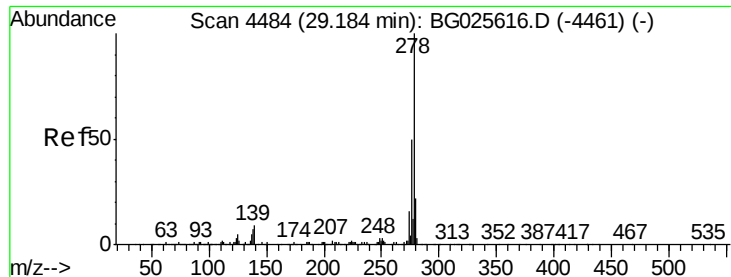


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 1.10 ng/ul

RT: 29.16 min Scan# 4480

Delta R.T. -0.03 min

Lab File: BG025623.D

Acq: 25 Jan 2017 1:06

Instrument :

BNA_G

ClientSampleId :

BDNZ3

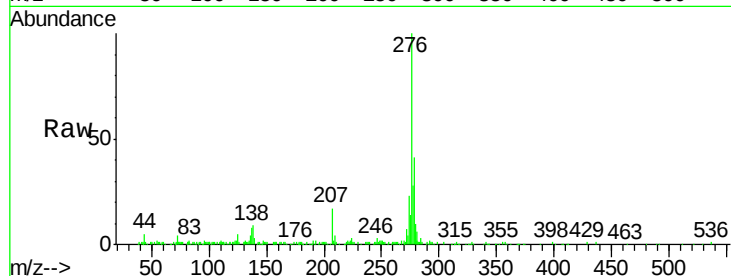
Tgt Ion:278 Resp: 54226

Ion Ratio Lower Upper

278 100

139 7.9 6.7 10.1

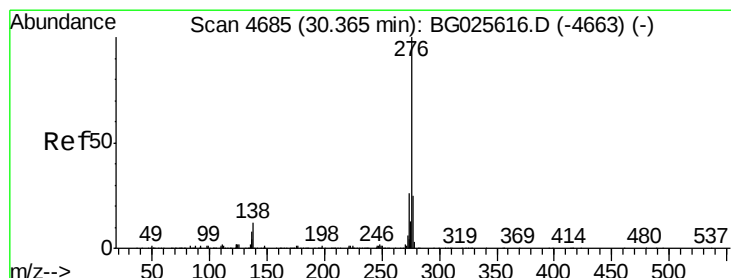
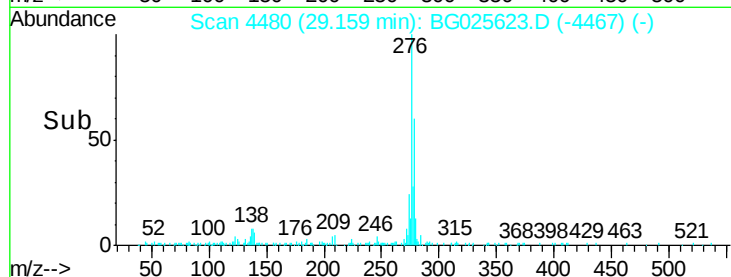
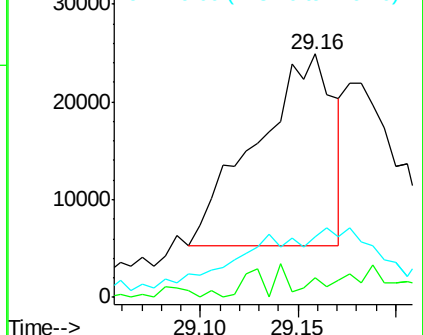
279 25.0 20.9 31.3



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



#91

Benzo(g,h,i)perylene

Concen: 6.67 ng/ul

RT: 30.37 min Scan# 4686

Delta R.T. 0.00 min

Lab File: BG025623.D

Acq: 25 Jan 2017 1:06

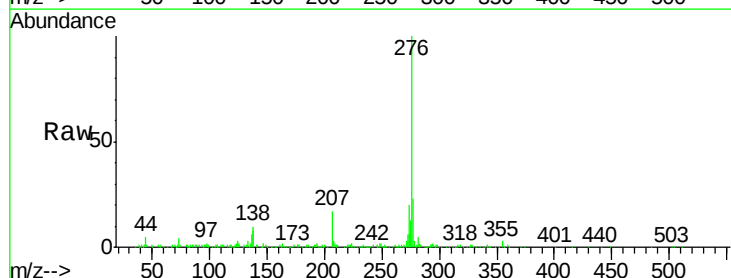
Tgt Ion:276 Resp: 325149

Ion Ratio Lower Upper

276 100

138 9.6 8.6 12.8

277 22.6 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

