

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG012417\
 Data File : BG025622.D
 Acq On : 25 Jan 2017 00:27
 Operator : UM/SJ
 Sample : I1316-08
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BDP17

Quant Time: Jan 25 02:37:45 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	70668	20.00	ng/ul	0.00
18) Naphthalene-d8	11.00	136	332802	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.81	164	280986	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	632925	20.00	ng/ul	0.00
75) Chrysene-d12	21.85	240	738662	20.00	ng/ul	0.00
83) Perylene-d12	25.24	264	770294	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.51	96	5845	4.14	ng/uL	0.00
5) Phenol-d5	7.34	99	158770	26.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	118454	30.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.71	132	115585	27.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.89	113	137301	26.67	ng/ul	0.00
19) Nitrobenzene-d5	9.36	128	62420	26.46	ng/ul	0.00
22) 2-Nitrophenol-d4	10.09	143	78954	28.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.64	165	139739	25.16	ng/ul	0.00
29) 4-Chloroaniline-d4	11.15	131	153960	24.80	ng/ul	0.00
43) Dimethylphthalate-d6	14.20	166	594612	29.97	ng/ul	0.00
46) Acenaphthylene-d8	14.51	160	661963	30.89	ng/ul	0.00
51) 4-Nitrophenol-d4	15.04	143	72270	26.58	ng/ul	0.00
57) Fluorene-d10	15.80	176	548972	29.35	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.94	200	110245	28.24	ng/ul	0.00
70) Anthracene-d10	17.65	188	837413	31.07	ng/ul	0.00
76) Pyrene-d10	19.93	212	1031258	33.55	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.00	264	1049324	32.41	ng/ul	0.00

Target Compounds

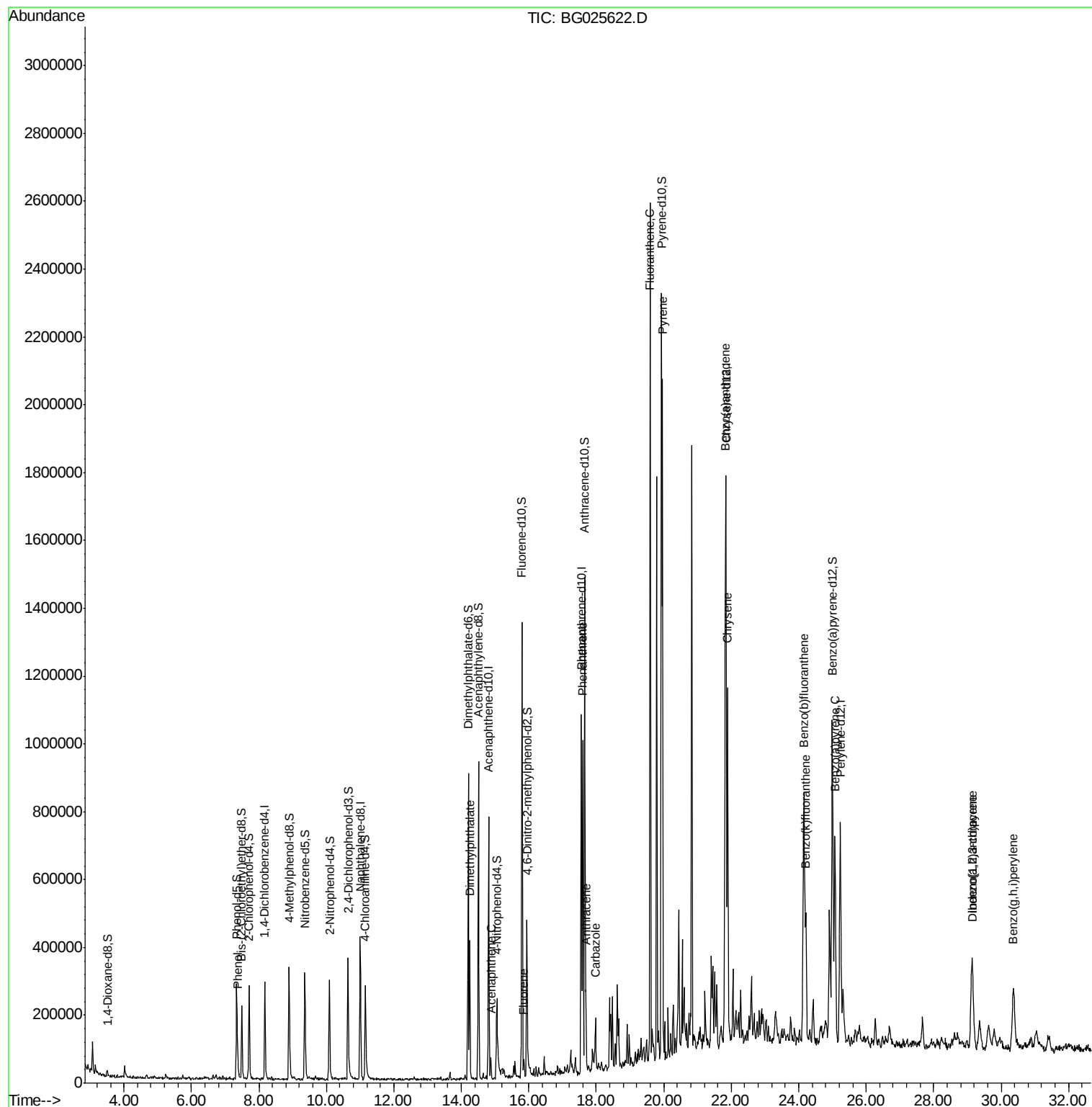
						Qvalue
6) Phenol	7.36	94	26279	4.13	ng/ul#	82
44) Dimethylphthalate	14.25	163	265207	13.59	ng/ul#	95
49) Acenaphthene	14.87	153	22288	1.50	ng/ul#	91
58) Fluorene	15.85	166	24249	1.30	ng/ul	92
69) Phenanthrene	17.59	178	607932	19.76	ng/ul	98
71) Anthracene	17.69	178	152679	4.94	ng/ul	96
72) Carbazole	17.97	167	49486	1.93	ng/ul#	93
74) Fluoranthene	19.60	202	1516959	41.77	ng/ul	100
77) Pyrene	19.96	202	1290862	35.54	ng/ul	99
80) Benzo(a)anthracene	21.82	228	902379	23.12	ng/ul	99
82) Chrysene	21.89	228	762628	20.78	ng/ul	96
85) Benzo(b)fluoranthene	24.15	252	1009362	25.32	ng/ul	99
86) Benzo(k)fluoranthene	24.21	252	325013	8.69	ng/ul	95
88) Benzo(a)pyrene	25.07	252	694495	18.42	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	29.14	276	452586	9.48	ng/ul	99
90) Dibenzo(a,h)anthracene	29.15	278	47835	1.20	ng/ul	98
91) Benzo(g,h,i)perylene	30.36	276	362769	9.25	ng/ul	98

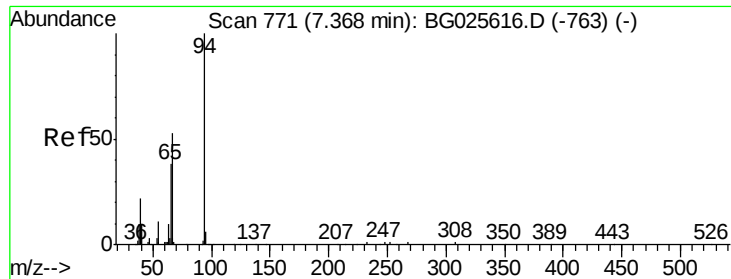
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 4.13 ng/ul

RT: 7.36 min Scan# 770

Delta R.T. -0.00 min

Lab File: BG025622.D

Acq: 25 Jan 2017 00:27

Instrument :

BNA_G

ClientSampleId :

BDP17

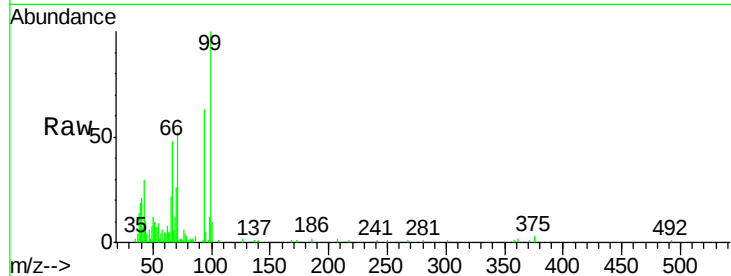
Tgt Ion: 94 Resp: 26279

Ion Ratio Lower Upper

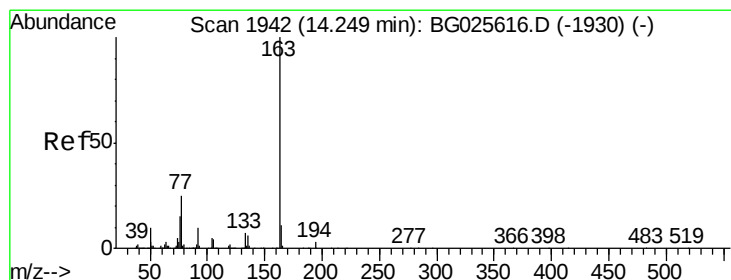
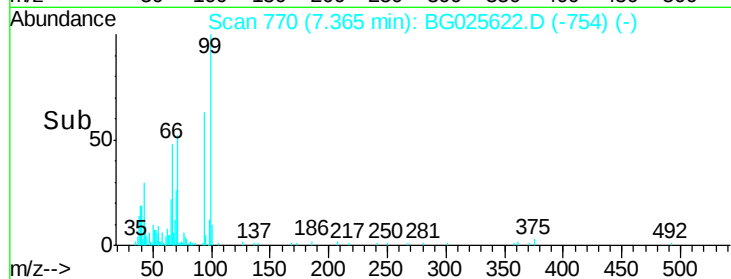
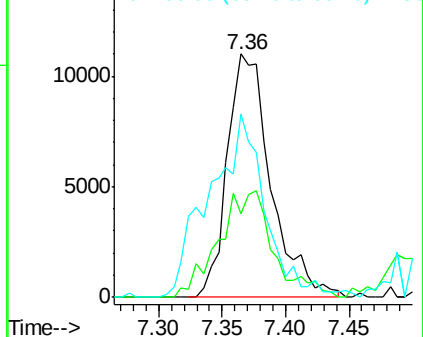
94 100

65 34.5 26.8 40.2

66 75.6 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



#44

Dimethylphthalate

Concen: 13.59 ng/ul

RT: 14.25 min Scan# 1942

Delta R.T. 0.00 min

Lab File: BG025622.D

Acq: 25 Jan 2017 00:27

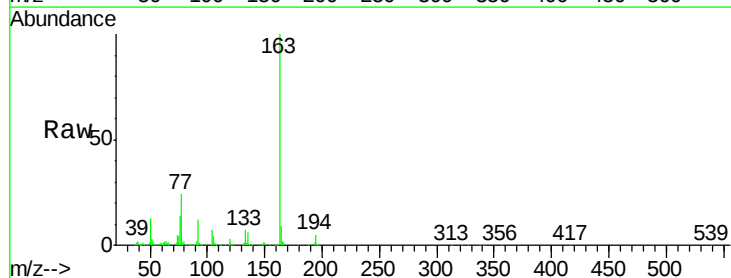
Tgt Ion:163 Resp: 265207

Ion Ratio Lower Upper

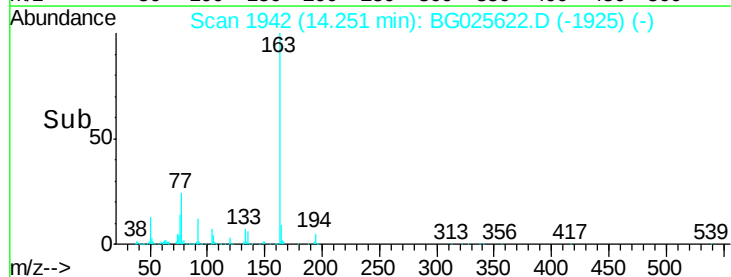
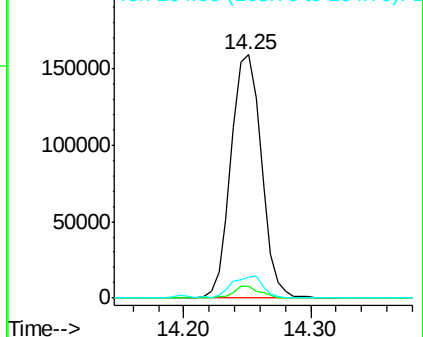
163 100

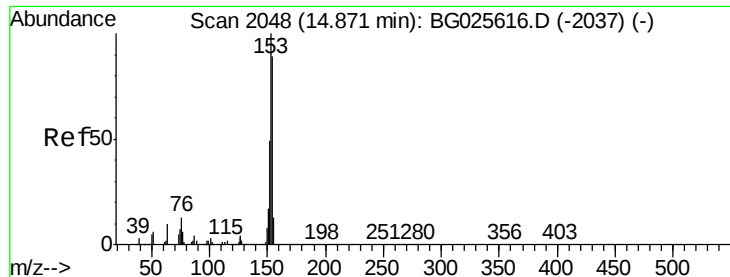
194 5.0 3.4 5.0

164 8.8 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: 1.50 ng/ul

RT: 14.87 min Scan# 2047

Delta R.T. -0.00 min

Lab File: BG025622.D

Acq: 25 Jan 2017 00:27

Instrument :

BNA_G

ClientSampleId :

BDP17

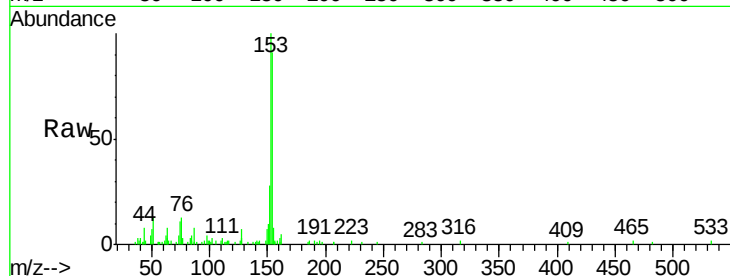
Tgt Ion:153 Resp: 22288

Ion Ratio Lower Upper

153 100

152 28.3 36.5 54.7#

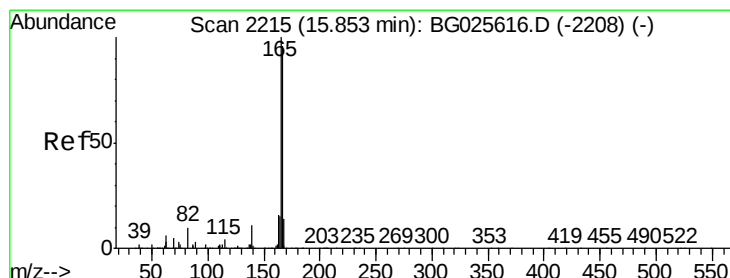
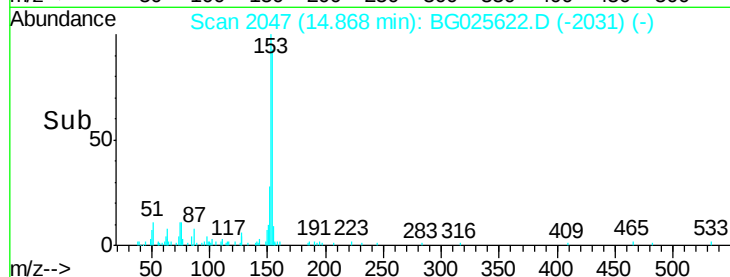
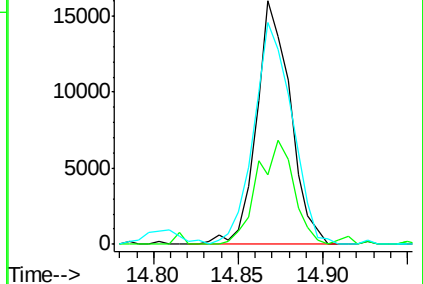
154 91.2 72.3 108.5



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: 1.30 ng/ul

RT: 15.85 min Scan# 2215

Delta R.T. 0.00 min

Lab File: BG025622.D

Acq: 25 Jan 2017 00:27

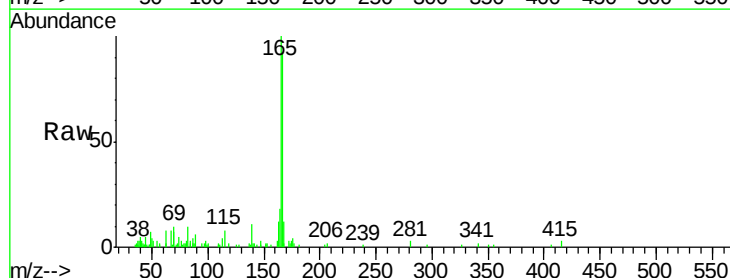
Tgt Ion:166 Resp: 24249

Ion Ratio Lower Upper

166 100

165 108.3 79.7 119.5

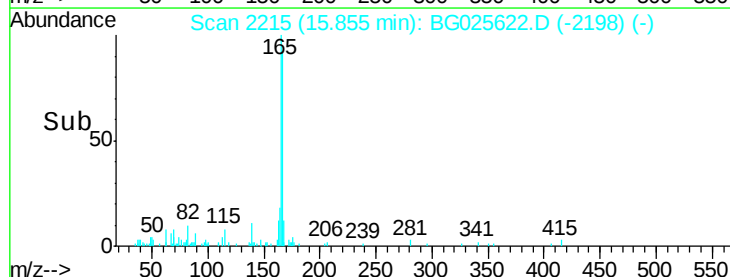
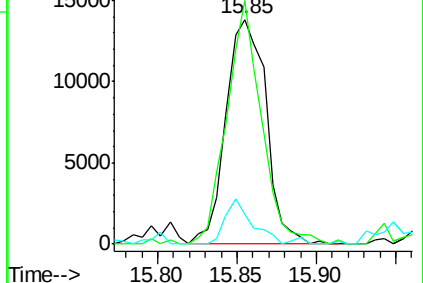
167 13.2 11.4 17.2

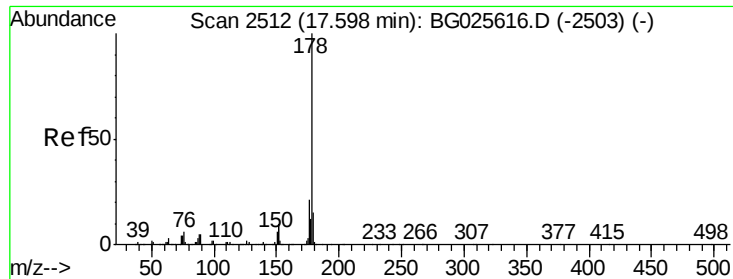


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 19.76 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. -0.00 min

Lab File: BG025622.D

Acq: 25 Jan 2017 00:27

Instrument :

BNA_G

ClientSampleId :

BDP17

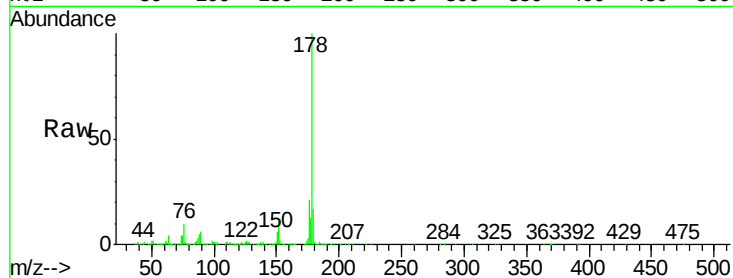
Tgt Ion:178 Resp: 607932

Ion Ratio Lower Upper

178 100

179 16.7 12.4 18.6

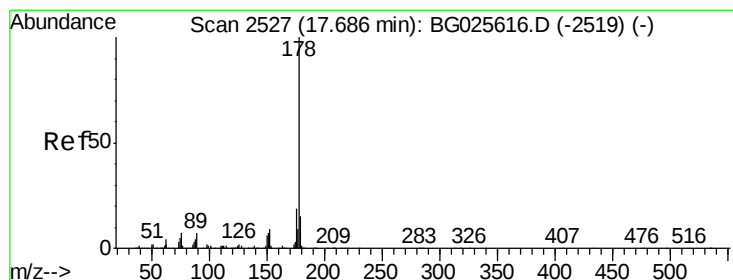
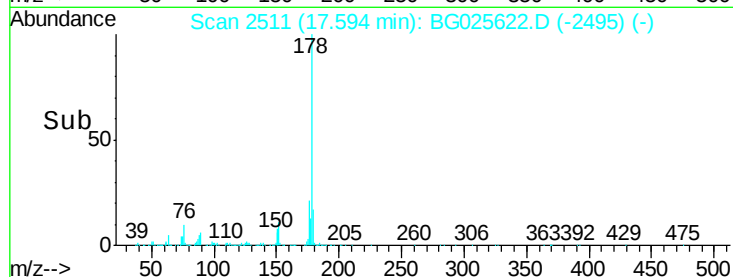
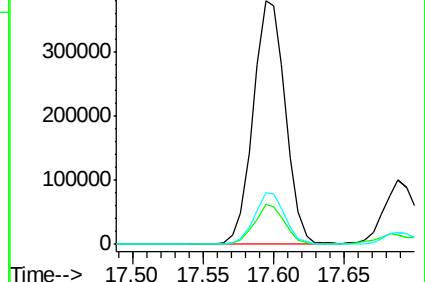
176 21.0 16.5 24.7



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: 4.94 ng/ul

RT: 17.69 min Scan# 2527

Delta R.T. 0.00 min

Lab File: BG025622.D

Acq: 25 Jan 2017 00:27

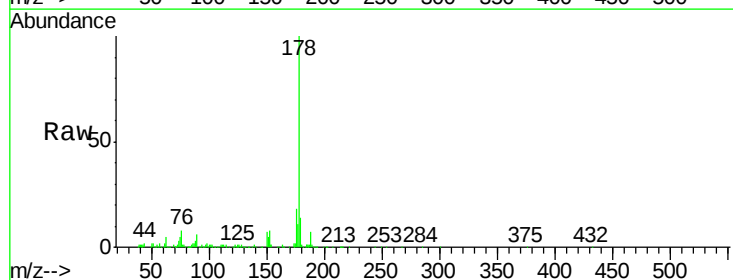
Tgt Ion:178 Resp: 152679

Ion Ratio Lower Upper

178 100

179 14.2 12.6 19.0

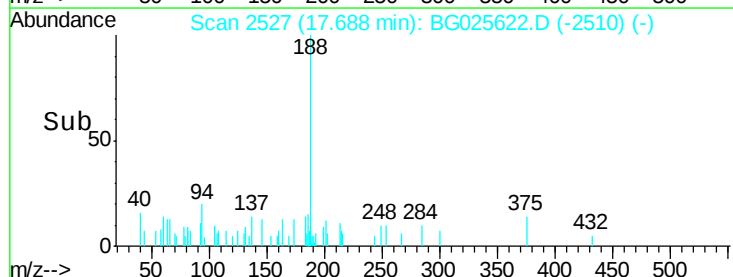
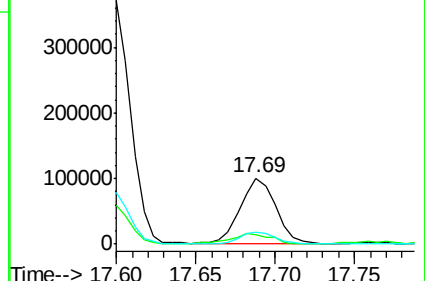
176 17.8 15.9 23.9

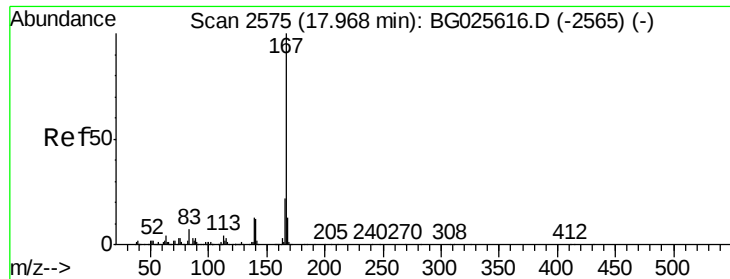


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.93 ng/ul

RT: 17.97 min Scan# 2575

Delta R.T. 0.00 min

Lab File: BG025622.D

Acq: 25 Jan 2017 00:27

Instrument :

BNA_G

ClientSampleId :

BDP17

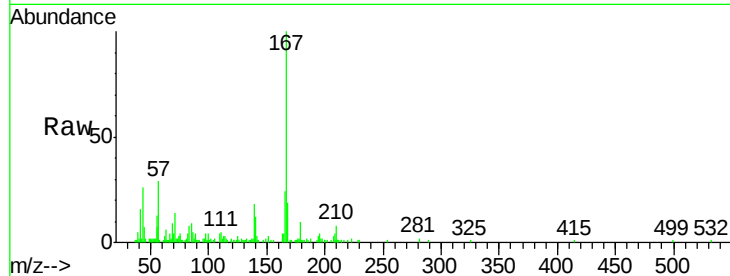
Tgt Ion:167 Resp: 49486

Ion Ratio Lower Upper

167 100

166 24.2 17.9 26.9

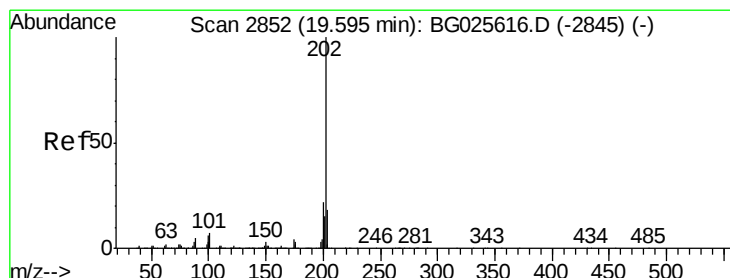
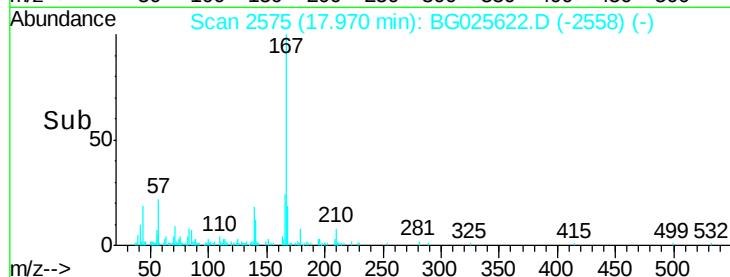
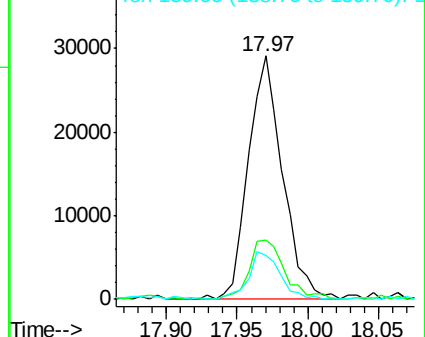
139 18.1 10.5 15.7#



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: 41.77 ng/ul

RT: 19.60 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BG025622.D

Acq: 25 Jan 2017 00:27

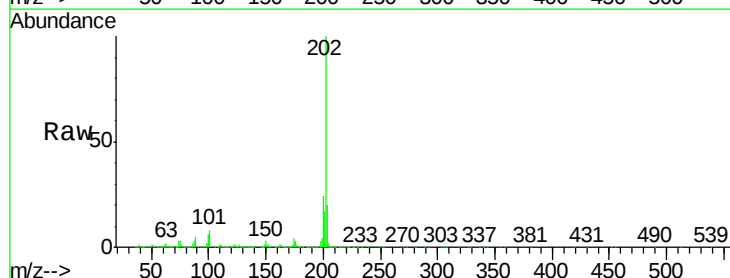
Tgt Ion:202 Resp: 1516959

Ion Ratio Lower Upper

202 100

101 8.0 6.2 9.2

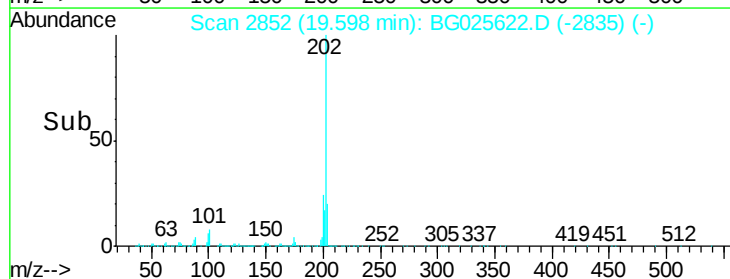
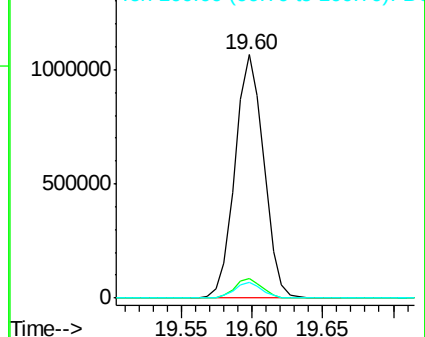
100 6.5 5.2 7.8

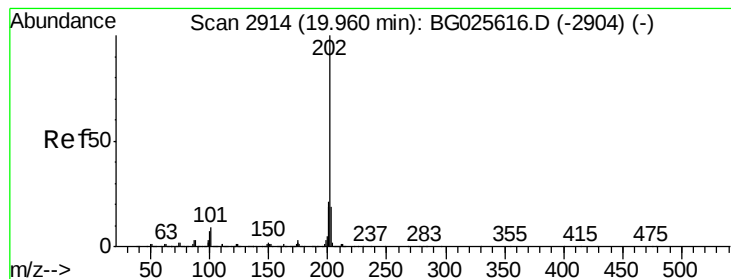


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 35.54 ng/ul

RT: 19.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: BG025622.D

Acq: 25 Jan 2017 00:27

Instrument :

BNA_G

ClientSampleId :

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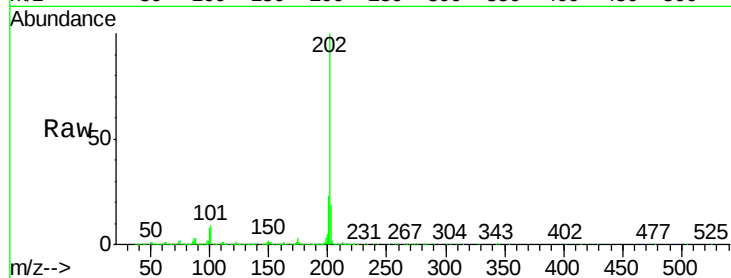
Tgt Ion:202 Resp: 1290862

Ion Ratio Lower Upper

202 100

101 9.2 6.9 10.3

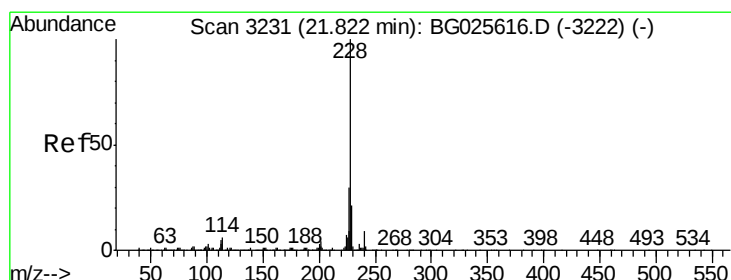
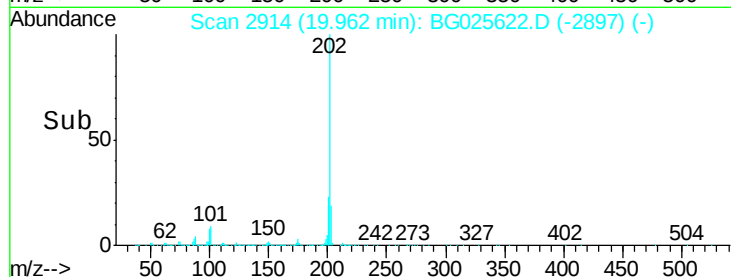
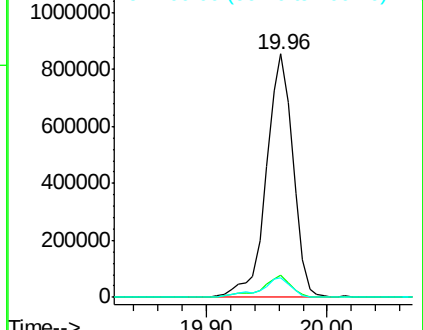
100 7.9 6.6 10.0



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: 23.12 ng/ul

RT: 21.82 min Scan# 3231

Delta R.T. 0.00 min

Lab File: BG025622.D

Acq: 25 Jan 2017 00:27

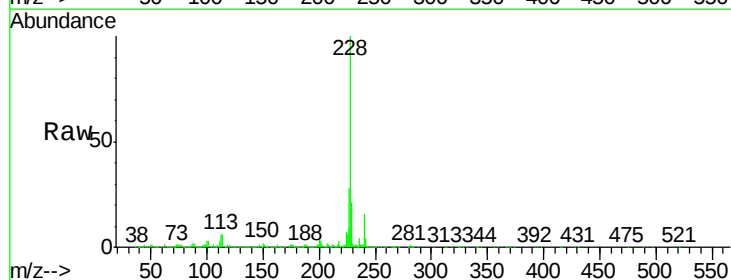
Tgt Ion:228 Resp: 902379

Ion Ratio Lower Upper

228 100

229 21.4 16.3 24.5

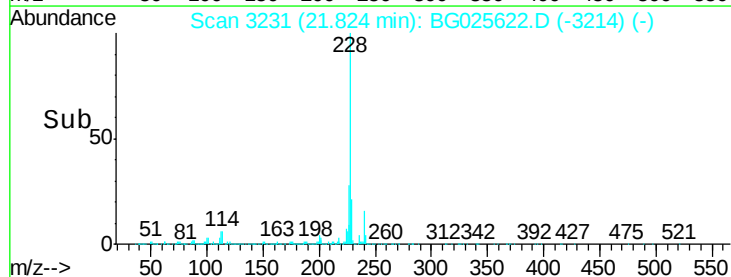
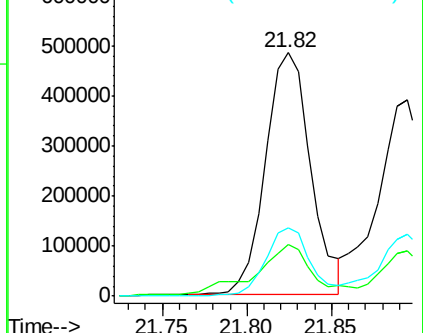
226 27.9 21.9 32.9

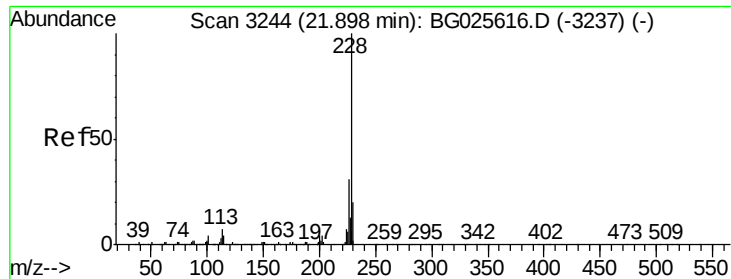


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 20.78 ng/ul

RT: 21.89 min Scan# 3243

Delta R.T. -0.00 min

Lab File: BG025622.D

Acq: 25 Jan 2017 00:27

Instrument :

BNA_G

ClientSampleId :

BDP17

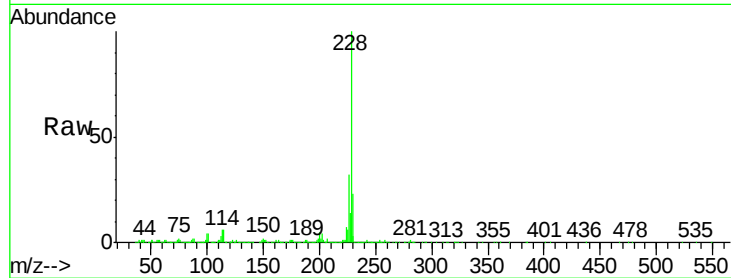
Tgt Ion:228 Resp: 762628

Ion Ratio Lower Upper

228 100

226 31.8 24.0 36.0

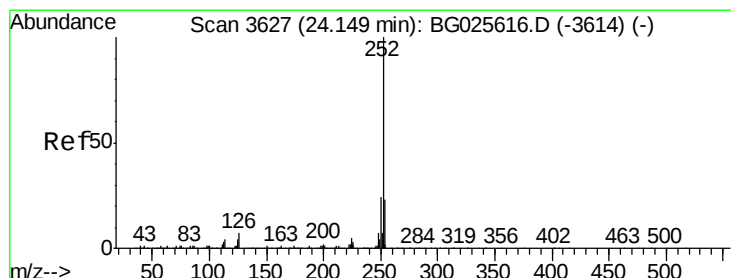
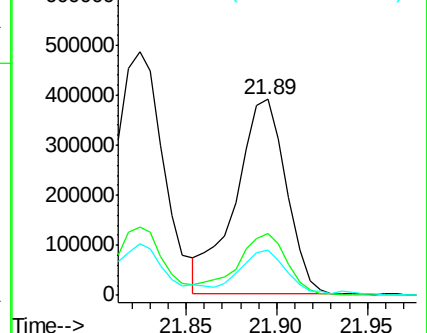
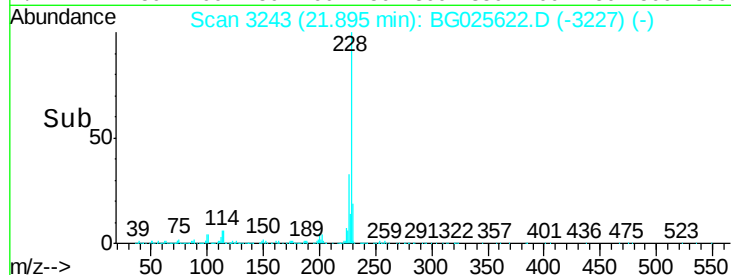
229 22.9 16.9 25.3



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: 25.32 ng/ul

RT: 24.15 min Scan# 3627

Delta R.T. 0.00 min

Lab File: BG025622.D

Acq: 25 Jan 2017 00:27

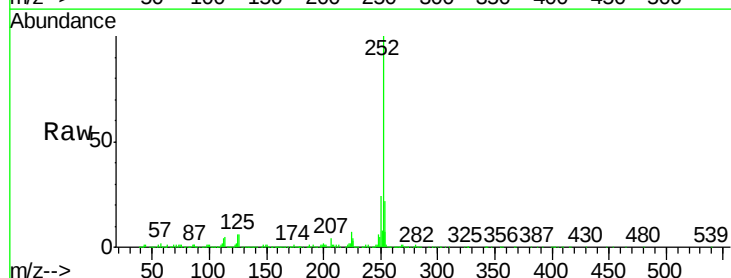
Tgt Ion:252 Resp: 1009362

Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

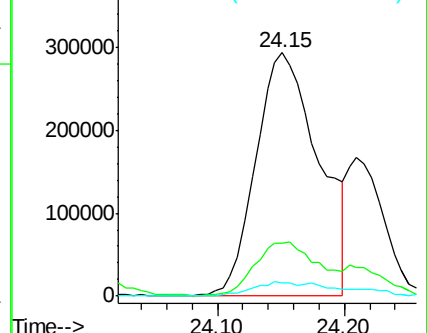
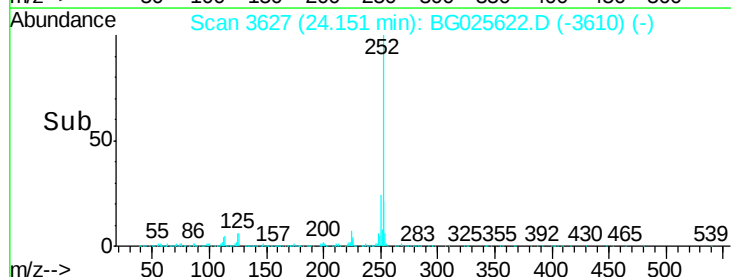
125 5.6 4.0 6.0

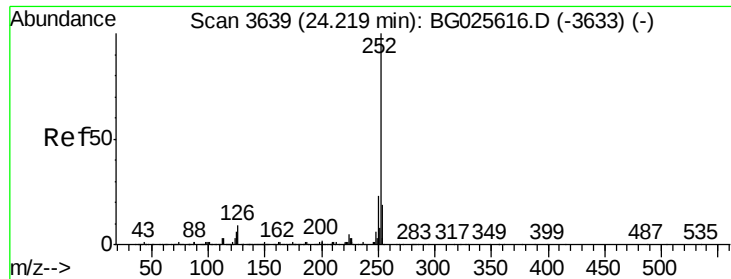


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 8.69 ng/ul

RT: 24.21 min Scan# 3637

Delta R.T. -0.01 min

Lab File: BG025622.D

Acq: 25 Jan 2017 00:27

Instrument :

BNA_G

ClientSampleId :

BDP17

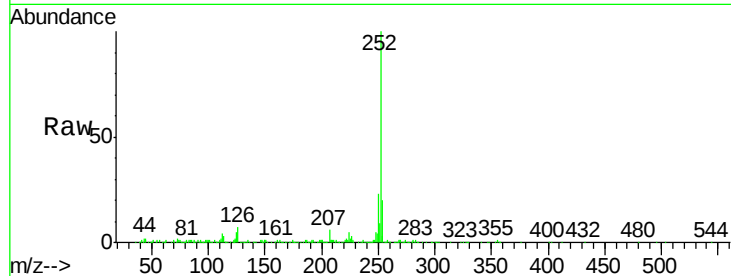
Tgt Ion:252 Resp: 325013

Ion Ratio Lower Upper

252 100

253 20.2 18.5 27.7

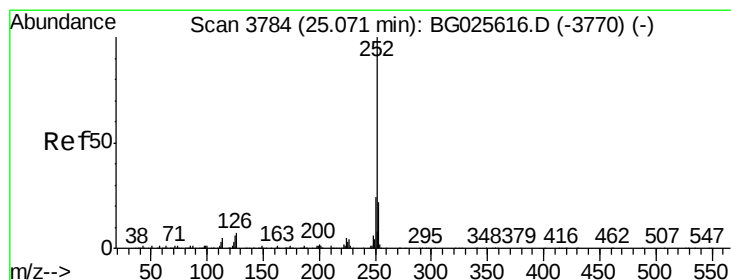
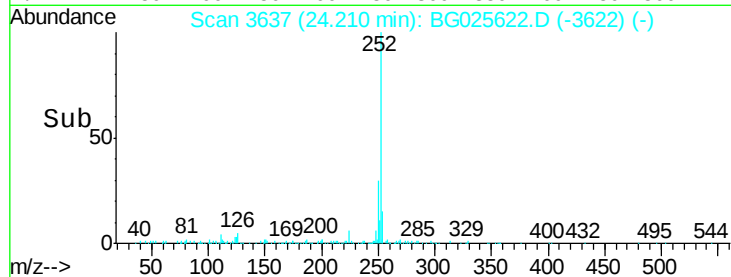
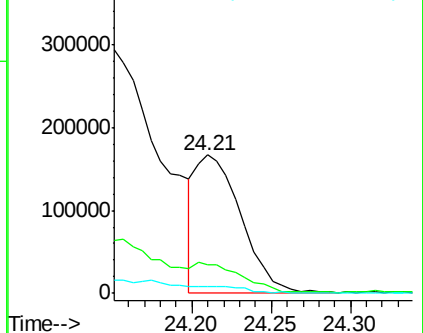
125 5.2 4.1 6.1



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: 18.42 ng/ul

RT: 25.07 min Scan# 3784

Delta R.T. 0.00 min

Lab File: BG025622.D

Acq: 25 Jan 2017 00:27

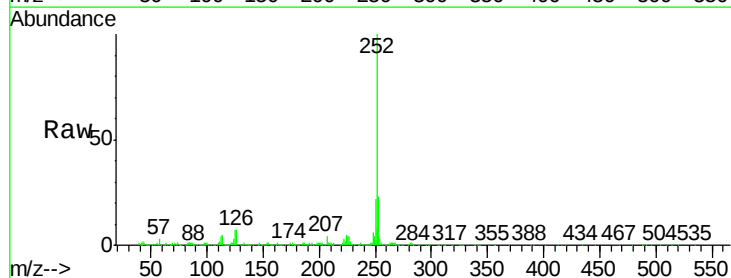
Tgt Ion:252 Resp: 694495

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

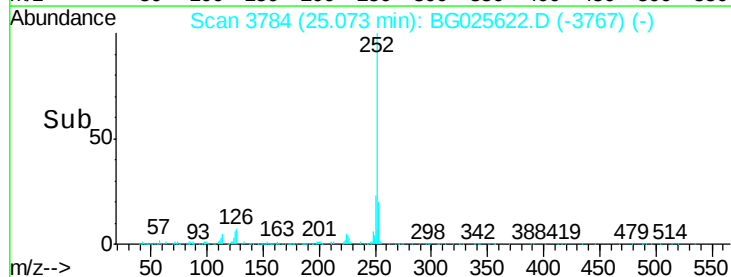
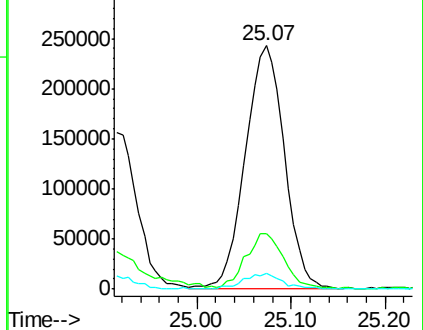
125 6.5 5.4 8.0

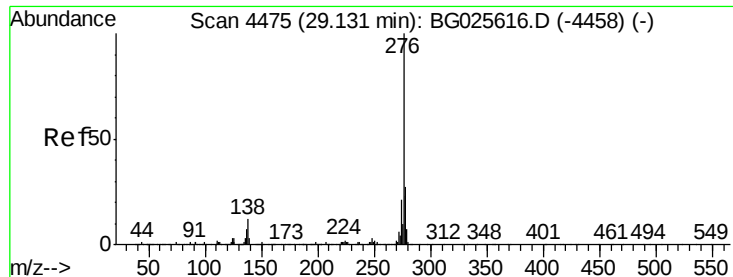


Abundance Ion 252.00 (251.70 to 252.70): E

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: 9.48 ng/ul

RT: 29.14 min Scan# 4476

Delta R.T. 0.01 min

Lab File: BG025622.D

Acq: 25 Jan 2017 00:27

Instrument :

BNA_G

ClientSampleId :

BDP17

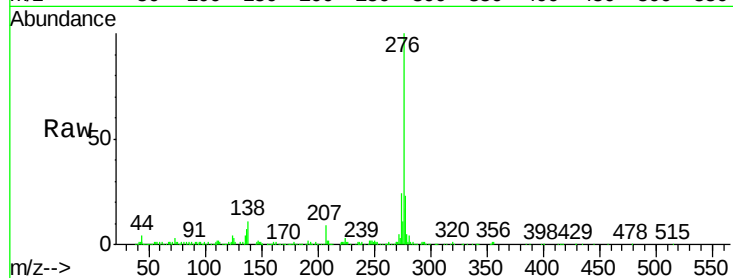
Tgt Ion:276 Resp: 452586

Ion Ratio Lower Upper

276 100

138 10.6 8.2 12.4

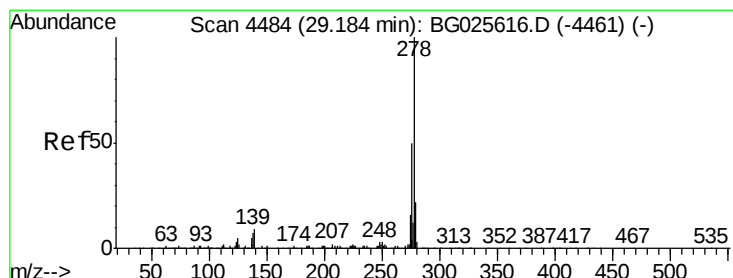
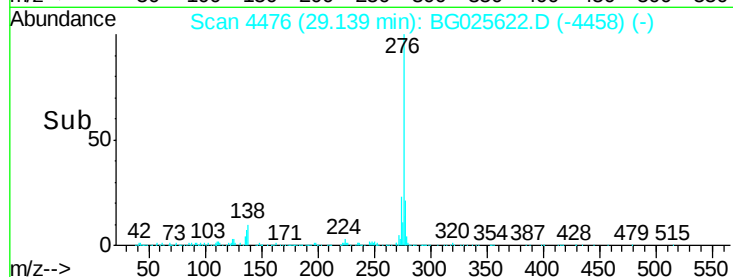
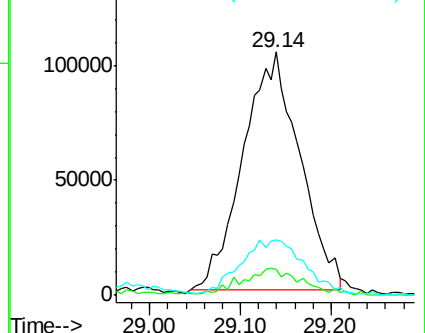
277 22.7 18.6 28.0



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: 1.20 ng/ul

RT: 29.15 min Scan# 4478

Delta R.T. -0.03 min

Lab File: BG025622.D

Acq: 25 Jan 2017 00:27

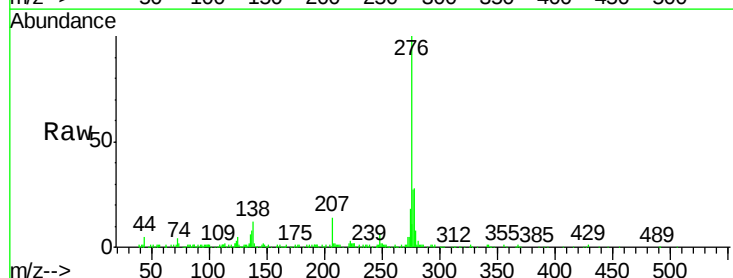
Tgt Ion:278 Resp: 47835

Ion Ratio Lower Upper

278 100

139 7.2 6.7 10.1

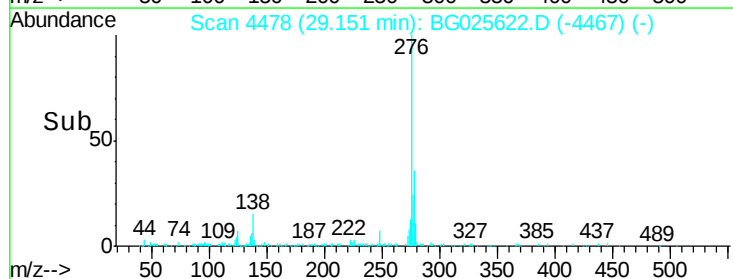
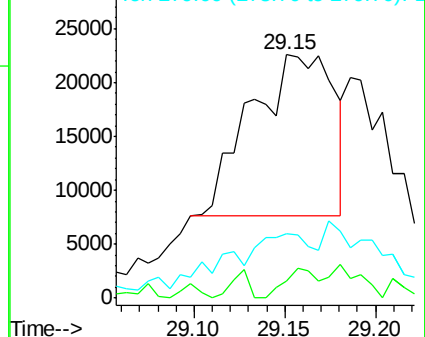
279 26.7 20.9 31.3

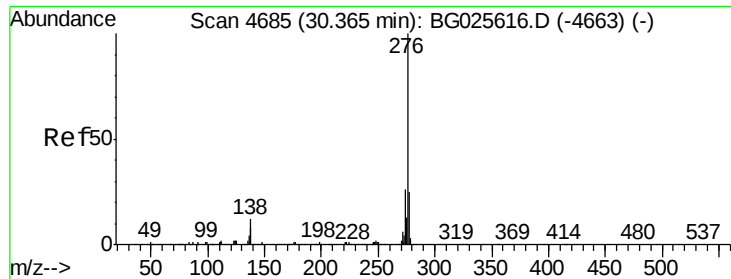


Abundance Ion 278.00 (277.70 to 278.70): E

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: 9.25 ng/ul

RT: 30.36 min Scan# 4684

Delta R.T. -0.00 min

Lab File: BG025622.D

Acq: 25 Jan 2017 00:27

Instrument :

BNA_G

ClientSampleId :

BDP17

Tgt Ion:276 Resp: 362769

Ion Ratio Lower Upper

276 100

138 9.1 8.6 12.8

277 22.1 17.6 26.4

