

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052616\
 Data File : BG022095.D
 Acq On : 27 May 2016 00:30
 Operator : UM/SJ
 Sample : H3201-14
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BCZK2

Quant Time: May 27 05:52:20 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 27 05:50:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	44661	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	203664	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.78	164	105355	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.53	188	202598	20.00	ng/ul	0.01
75) Chrysene-d12	21.82	240	888	20.00	ng/ul	0.02
83) Perylene-d12	25.13	264	1046	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.32	99	32596	8.08	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	15653	7.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	30765	9.12	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	29729	8.69	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	15564	10.36	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	18302	11.25	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	30220	10.53	ng/ul	0.01
29) 4-Chloroaniline-d4	11.11	131	213	0.07	ng/ul	0.00
43) Dimethylphthalate-d6	14.17	166	96417	12.18	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	130326	11.79	ng/ul	0.00
51) 4-Nitrophenol-d4	15.00	143	6250	4.59	ng/ul	0.02
57) Fluorene-d10	15.77	176	81970	11.06	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.89	200	3145	2.97	ng/ul	0.00
70) Anthracene-d10	17.64	188	117455	12.08	ng/ul	0.02
76) Pyrene-d10	19.91	212	4526	90.39	ng/ul	0.02
87) Benzo(a)pyrene-d12	24.91	264	1101	22.68	ng/ul	0.01

Target Compounds

						Qvalue
44) Dimethylphthalate	14.22	163	49040	6.17	ng/ul	98
52) 4-Nitrophenol	14.99	109	1037	1.35	ng/ul#	1
64) N-Nitrosodiphenylamine	16.03	169	13016	2.03	ng/ul#	51
67) Atrazine	16.98	200	3295	1.49	ng/ul#	1
69) Phenanthrene	17.58	178	148743	13.20	ng/ul#	71
71) Anthracene	17.67	178	17956	1.57	ng/ul#	1
72) Carbazole	17.94	167	24453	2.47	ng/ul#	1
73) Di-n-butylphthalate	18.49	149	67476	5.09	ng/ul#	37
74) Fluoranthene	19.64	202	584908	50.79	ng/ul#	94
77) Pyrene	19.93	202	637	10.19	ng/ul#	11
78) Butylbenzylphthalate	20.80	149	25668	866.83	ng/ul	90
79) 3,3'-Dichlorobenzidine	21.70	252	880	52.73	ng/ul#	1
80) Benzo(a)anthracene	21.80	228	1688	32.41	ng/ul#	1
81) Bis(2-ethylhexyl)phthalate	21.62	149	41865	993.46	ng/ul#	58
82) Chrysene	21.84	228	355	7.11	ng/ul#	1
84) Di-n-octyl phthalate	22.89	149	3340	39.19	ng/ul	100
85) Benzo(b)fluoranthene	24.07	252	1636	26.73	ng/ul#	1
86) Benzo(k)fluoranthene	24.13	252	1090	18.30	ng/ul#	1
88) Benzo(a)pyrene	24.98	252	2061	34.90	ng/ul#	1
89) Indeno(1,2,3-cd)pyrene	28.97	276	759	11.21	ng/ul#	1
90) Dibenzo(a,h)anthracene	29.00	278	364	6.42	ng/ul#	1
91) Benzo(g,h,i)perylene	30.12	276	103	1.90	ng/ul#	1

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Quant Time: May 27 05:52:20 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 27 05:50:42 2016
Response via : Initial Calibration

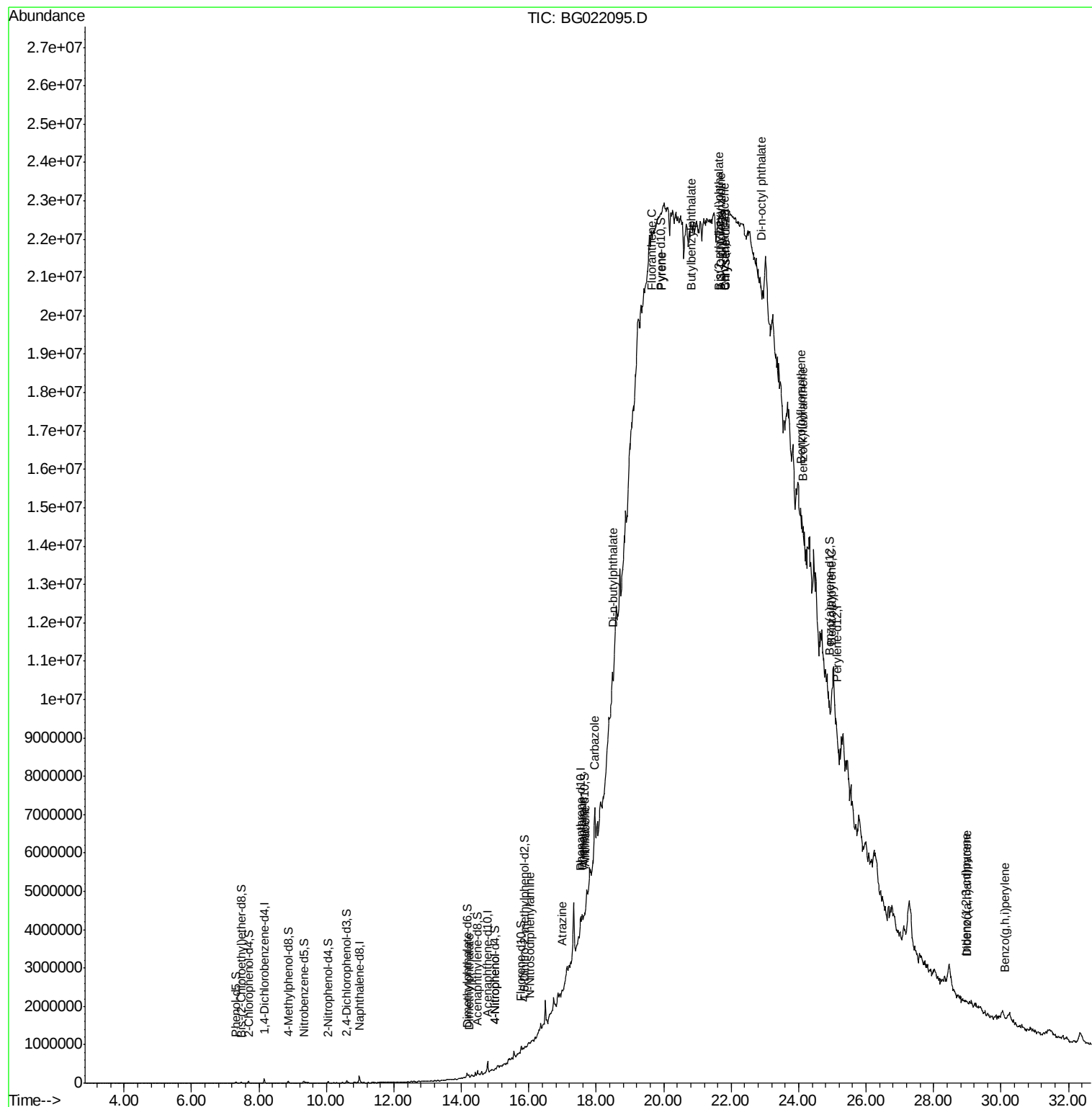
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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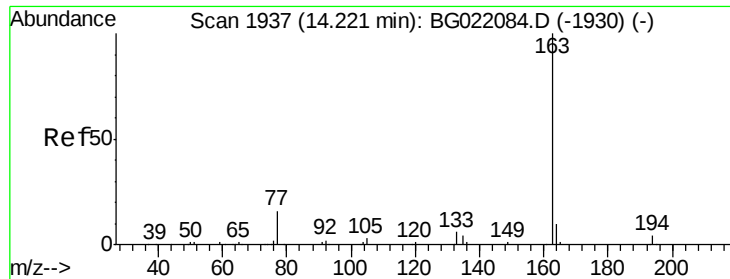
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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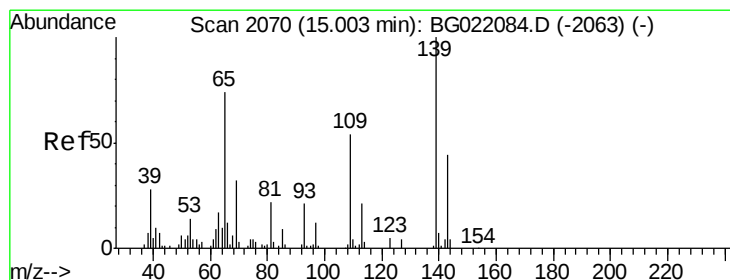
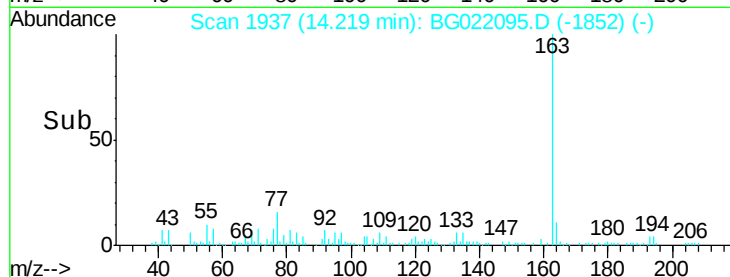
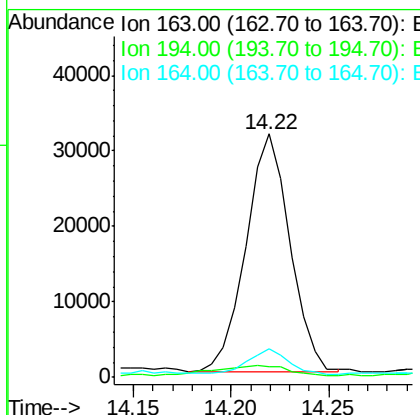
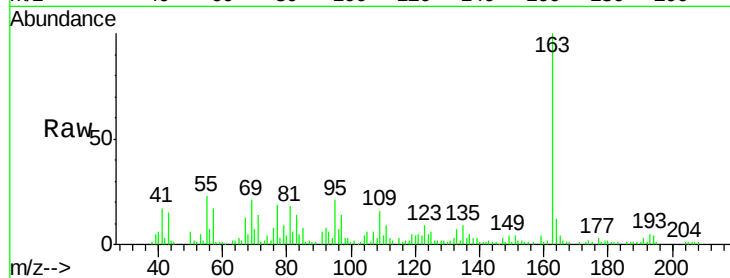




#44
Dimethylphthalate
Concen: 6.17 ng/ul
RT: 14.22 min Scan# 1937
Delta R.T. -0.00 min
Lab File: BG022095.D
Acq: 27 May 2016 00:30

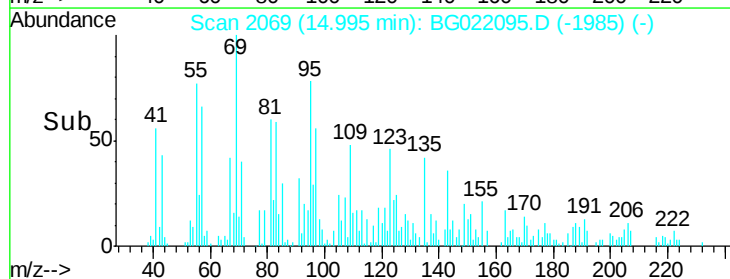
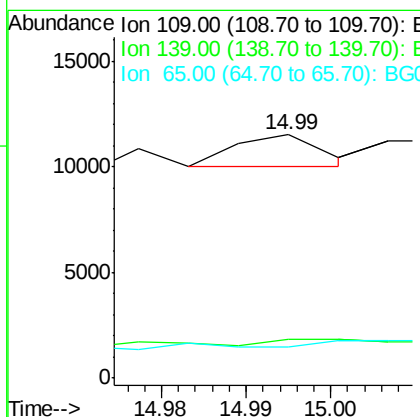
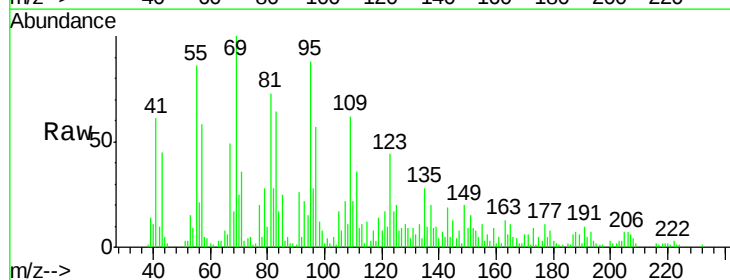
Instrument :
BNA_G
ClientSampleId :
BCZK2

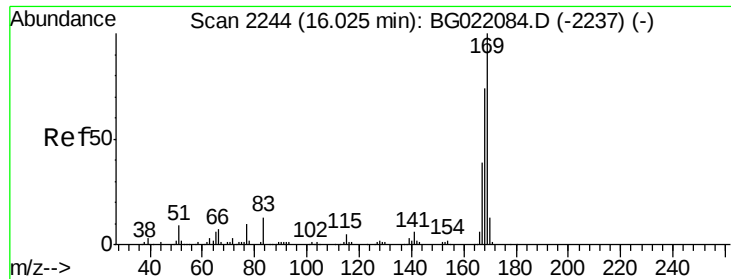
Tgt Ion:163 Resp: 49040
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 11.8 8.8 13.2



#52
4-Nitrophenol
Concen: 1.35 ng/ul
RT: 14.99 min Scan# 2069
Delta R.T. -0.01 min
Lab File: BG022095.D
Acq: 27 May 2016 00:30

Tgt Ion:109 Resp: 1037
Ion Ratio Lower Upper
109 100
139 15.7 136.1 204.1#
65 12.9 106.0 159.0#





#64

N-Nitrosodiphenylamine

Concen: 2.03 ng/ul

RT: 16.03 min Scan# 2246

Delta R.T. 0.01 min

Lab File: BG022095.D

Acq: 27 May 2016 00:30

Instrument :

BNA_G

ClientSampleId :

BCZK2

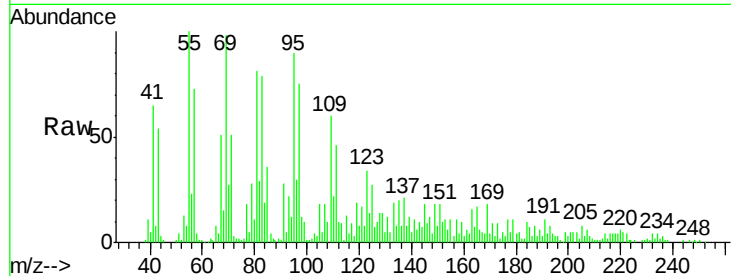
Tgt Ion:169 Resp: 13016

Ion Ratio Lower Upper

169 100

168 20.0 59.0 88.6#

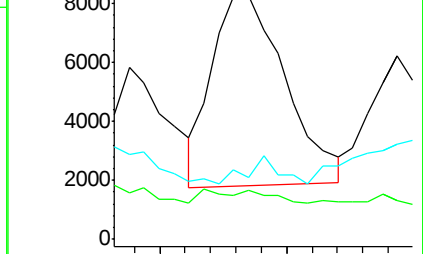
167 25.6 30.6 46.0#



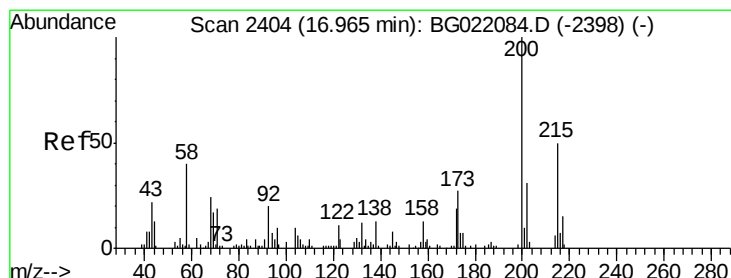
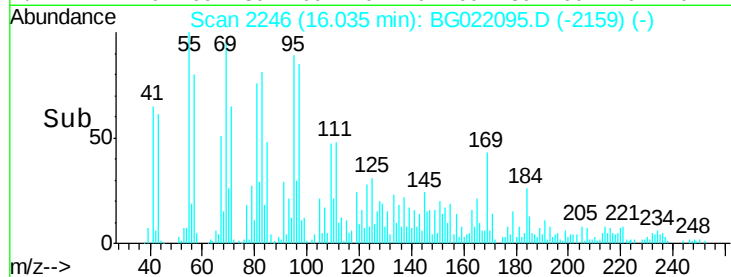
Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#67

Atrazine

Concen: 1.49 ng/ul

RT: 16.98 min Scan# 2407

Delta R.T. 0.02 min

Lab File: BG022095.D

Acq: 27 May 2016 00:30

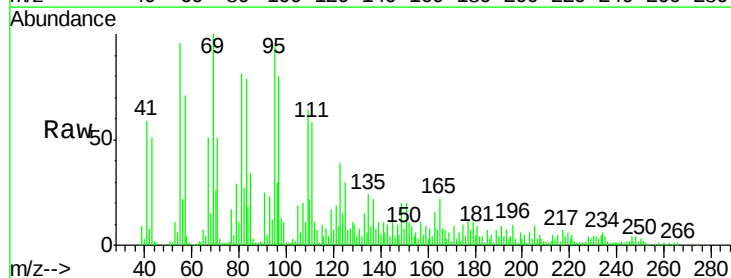
Tgt Ion:200 Resp: 3295

Ion Ratio Lower Upper

200 100

173 165.9 21.0 31.6#

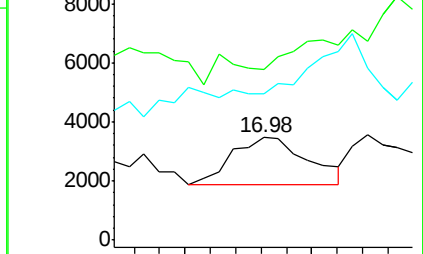
215 142.8 37.9 56.9#



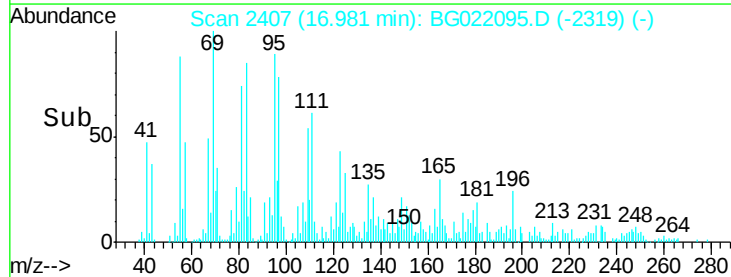
Abundance Ion 200.00 (199.70 to 200.70): E

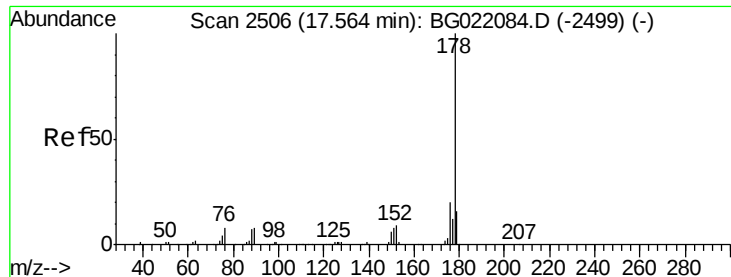
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



Time-->





#69

Phenanthrene

Concen: 13.20 ng/ul

RT: 17.58 min Scan# 2509

Delta R.T. 0.02 min

Lab File: BG022095.D

Acq: 27 May 2016 00:30

Instrument :

BNA_G

ClientSampleId :

BCZK2

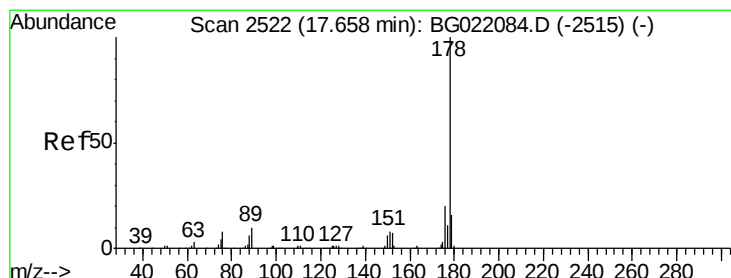
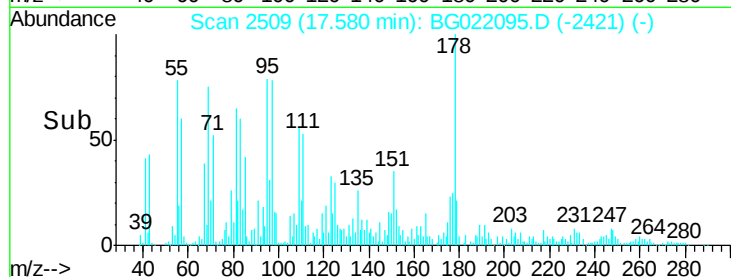
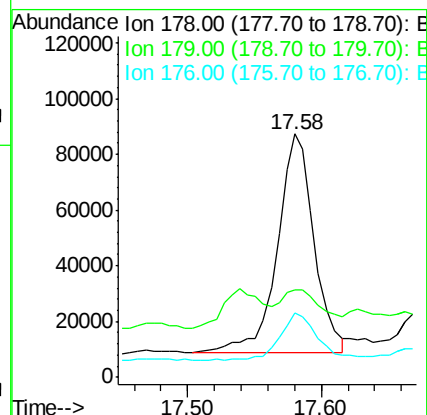
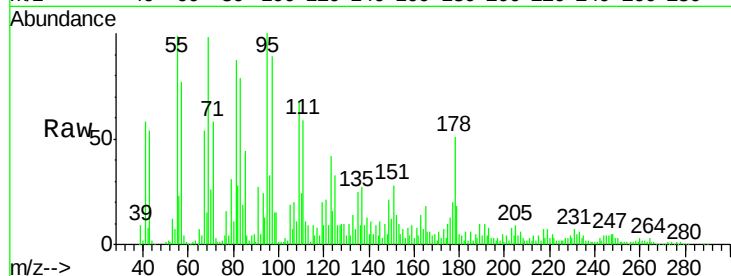
Tgt Ion:178 Resp: 148743

Ion Ratio Lower Upper

178 100

179 35.9 12.9 19.3#

176 26.4 15.8 23.8#



#71

Anthracene

Concen: 1.57 ng/ul

RT: 17.67 min Scan# 2525

Delta R.T. 0.02 min

Lab File: BG022095.D

Acq: 27 May 2016 00:30

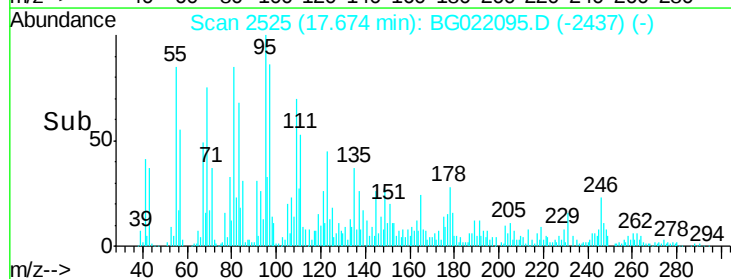
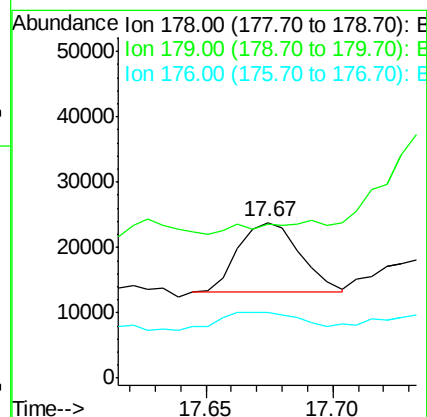
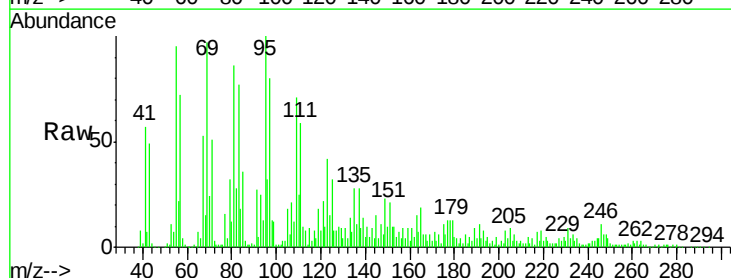
Tgt Ion:178 Resp: 17956

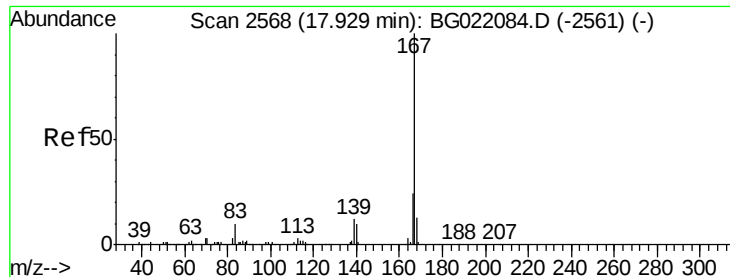
Ion Ratio Lower Upper

178 100

179 98.8 12.3 18.5#

176 42.2 16.3 24.5#





#72

Carbazole

Concen: 2.47 ng/ul

RT: 17.94 min Scan# 2570

Delta R.T. 0.01 min

Lab File: BG022095.D

Acq: 27 May 2016 00:30

Instrument :

BNA_G

ClientSampleId :

BCZK2

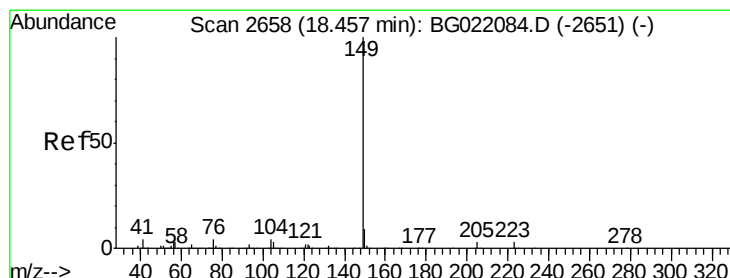
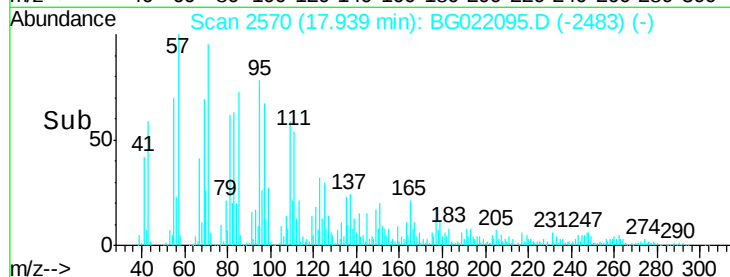
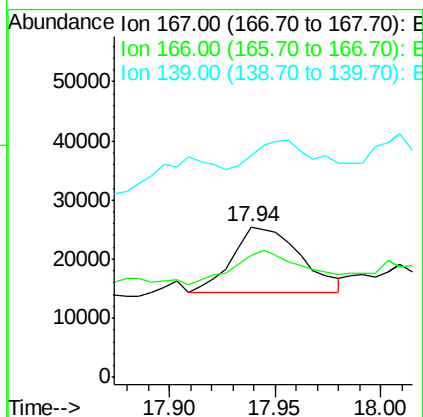
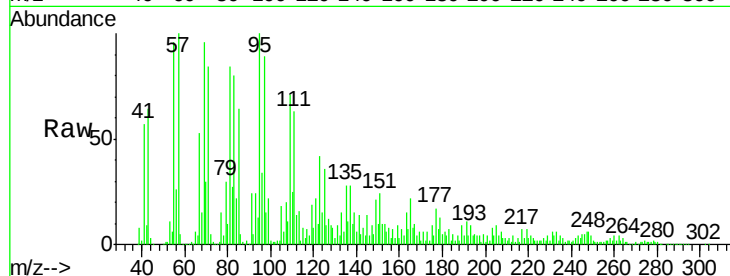
Tgt Ion:167 Resp: 24453

Ion Ratio Lower Upper

167 100

166 81.1 19.2 28.8#

139 147.2 10.2 15.4#



#73

Di-n-butylphthalate

Concen: 5.09 ng/ul

RT: 18.49 min Scan# 2664

Delta R.T. 0.03 min

Lab File: BG022095.D

Acq: 27 May 2016 00:30

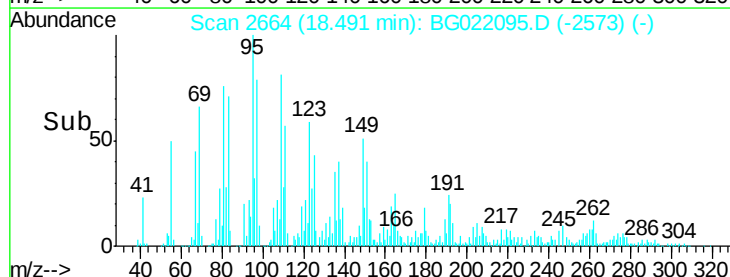
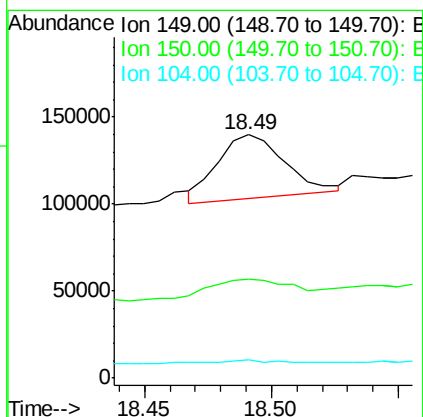
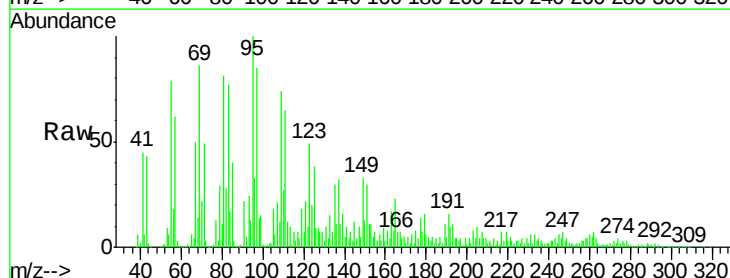
Tgt Ion:149 Resp: 67476

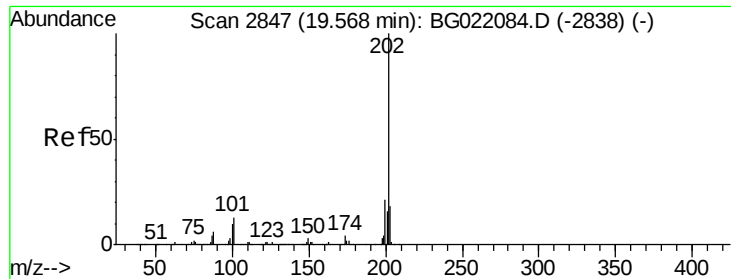
Ion Ratio Lower Upper

149 100

150 40.6 7.1 10.7#

104 7.4 3.3 4.9#





#74

Fluoranthene

Concen: 50.79 ng/ul

RT: 19.64 min Scan# 2859

Delta R.T. 0.07 min

Lab File: BG022095.D

Acq: 27 May 2016 00:30

Instrument :

BNA_G

ClientSampleId :

BCZK2

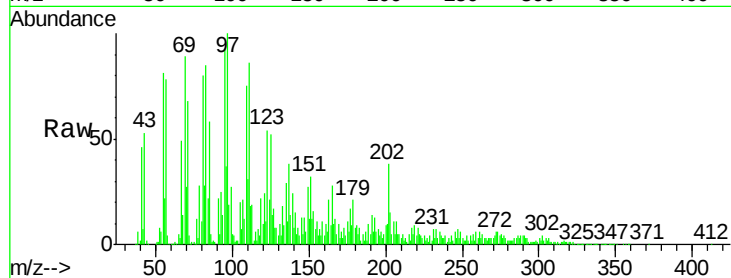
Tgt Ion:202 Resp: 584908

Ion Ratio Lower Upper

202 100

101 10.3 10.6 16.0#

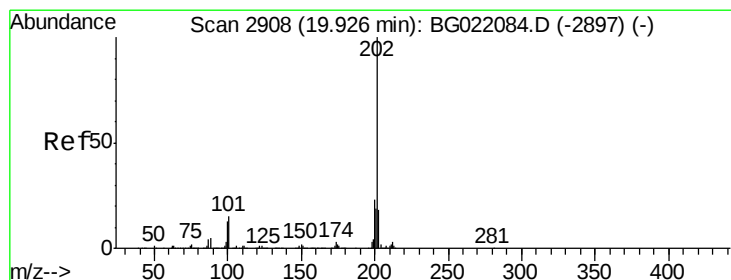
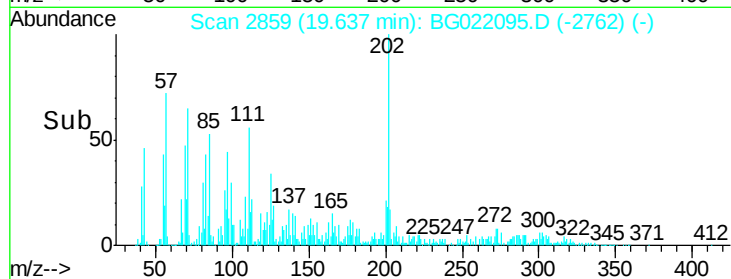
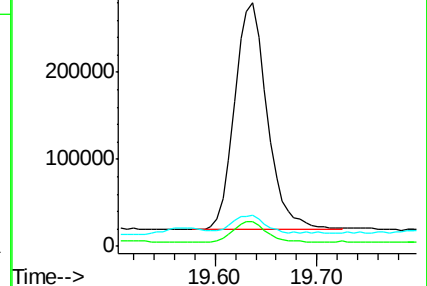
100 12.7 8.7 13.1



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: 10.19 ng/ul

RT: 19.93 min Scan# 2909

Delta R.T. 0.00 min

Lab File: BG022095.D

Acq: 27 May 2016 00:30

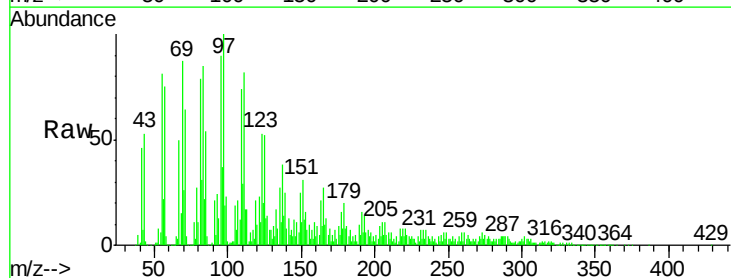
Tgt Ion:202 Resp: 637

Ion Ratio Lower Upper

202 100

101 27.4 12.5 18.7#

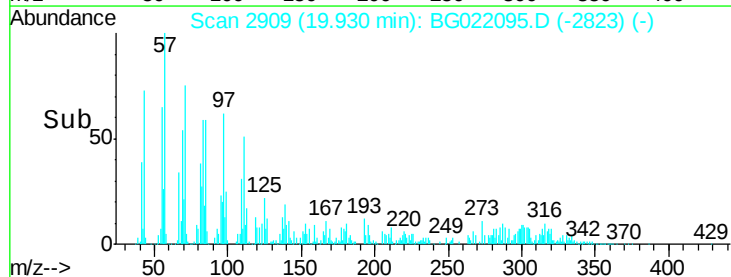
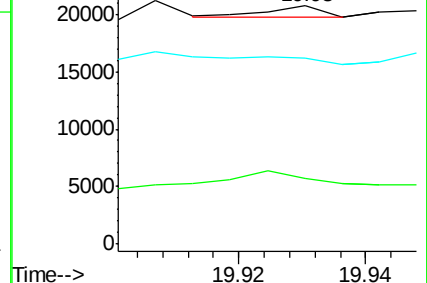
100 77.8 10.2 15.4#

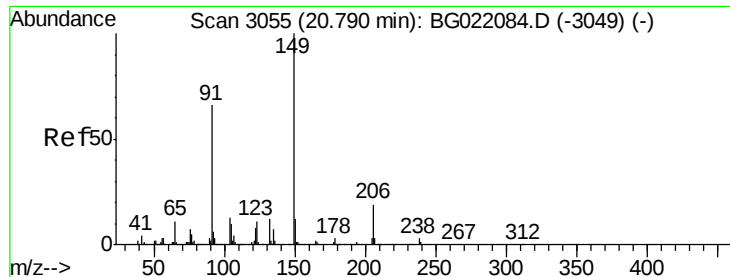


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#78

Butylbenzylphthalate

Concen: 866.83 ng/ul

RT: 20.80 min Scan# 3057

Delta R.T. 0.01 min

Lab File: BG022095.D

Acq: 27 May 2016 00:30

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BCZK2

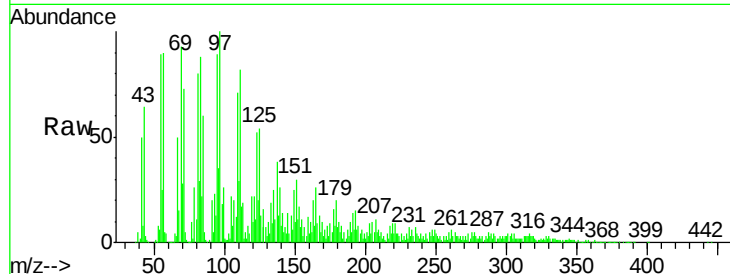
Tgt Ion:149 Resp: 25668

Ion Ratio Lower Upper

149 100

91 78.0 54.2 81.4

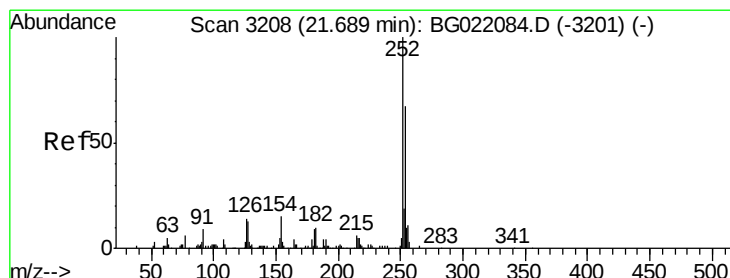
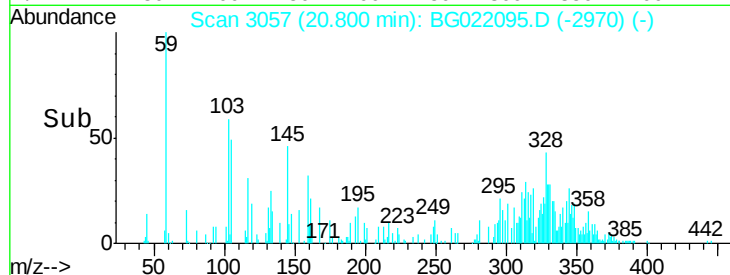
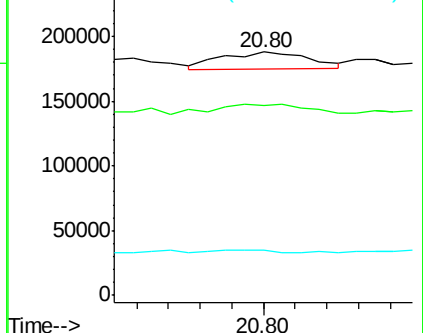
206 18.3 14.1 21.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



#79

3,3'-Dichlorobenzidine

Concen: 52.73 ng/ul

RT: 21.70 min Scan# 3210

Delta R.T. 0.01 min

Lab File: BG022095.D

Acq: 27 May 2016 00:30

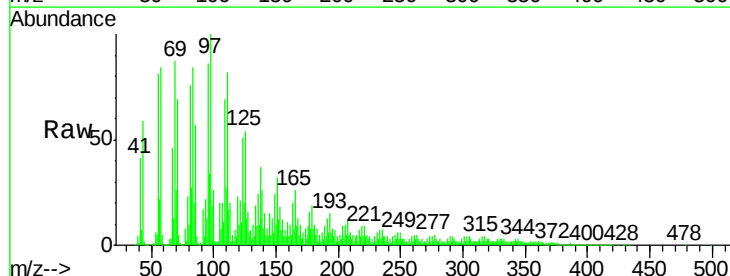
Tgt Ion:252 Resp: 880

Ion Ratio Lower Upper

252 100

254 55.3 51.4 77.2

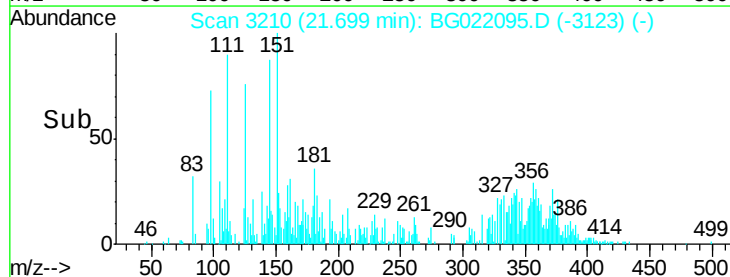
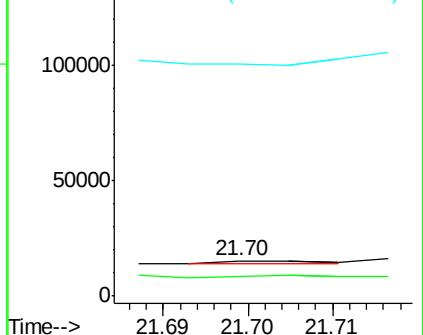
126 660.3 10.7 16.1#

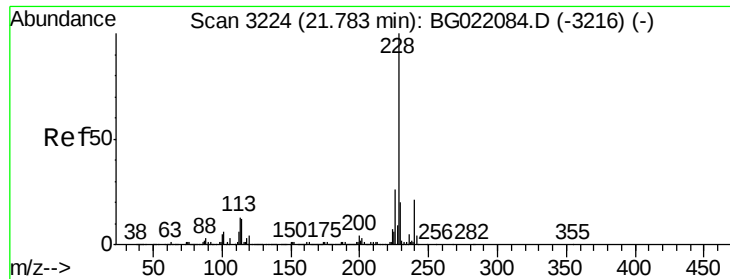


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#80

Benzo(a)anthracene

Concen: 32.41 ng/ul

RT: 21.80 min Scan# 3227

Delta R.T. 0.02 min

Lab File: BG022095.D

Acq: 27 May 2016 00:30

Instrument :

BNA_G

ClientSampleId :

BCZK2

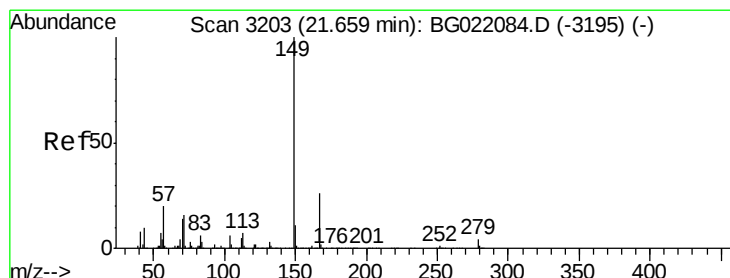
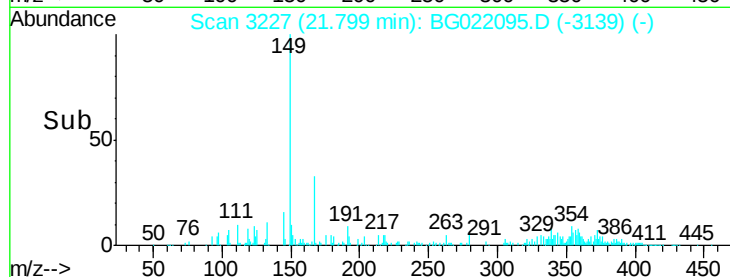
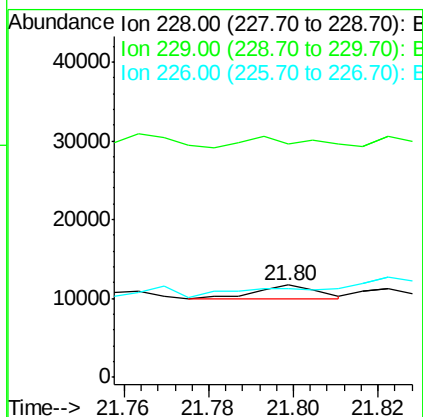
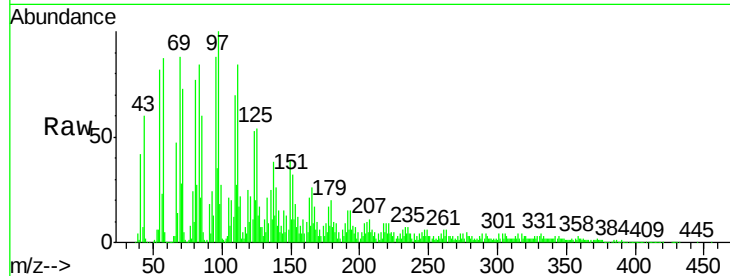
Tgt Ion:228 Resp: 1688

Ion Ratio Lower Upper

228 100

229 253.6 15.4 23.2#

226 96.3 22.8 34.2#



#81

Bis(2-ethylhexyl)phthalate

Concen: 993.46 ng/ul

RT: 21.62 min Scan# 3197

Delta R.T. -0.04 min

Lab File: BG022095.D

Acq: 27 May 2016 00:30

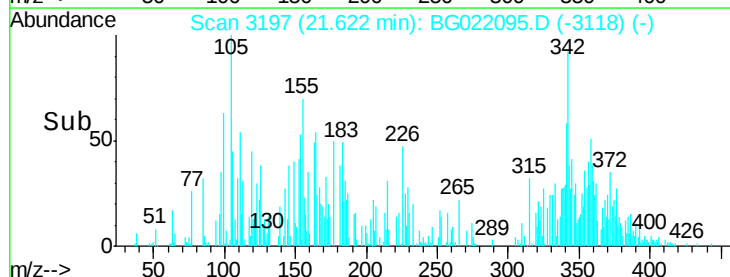
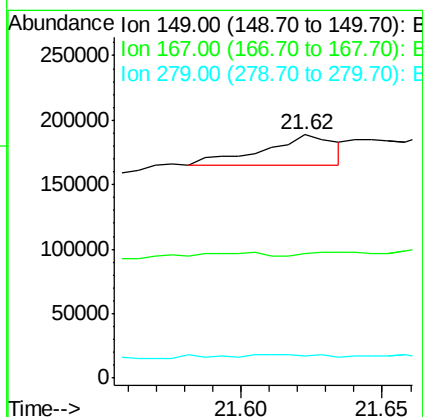
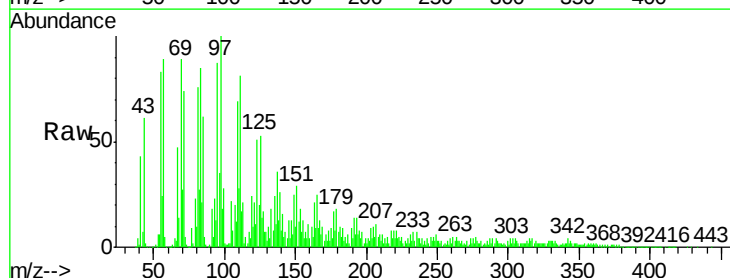
Tgt Ion:149 Resp: 41865

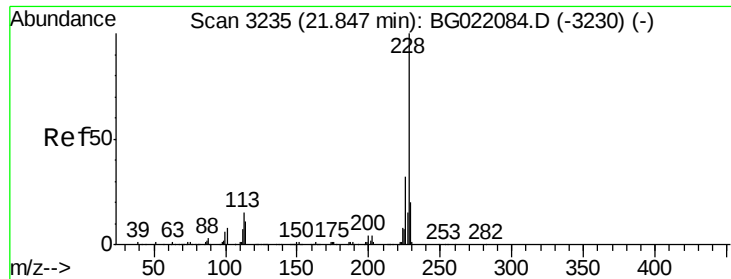
Ion Ratio Lower Upper

149 100

167 51.1 21.9 32.9#

279 9.1 2.9 4.3#





#82

Chrysene

Concen: 7.11 ng/ul

RT: 21.84 min Scan# 3234

Delta R.T. -0.01 min

Lab File: BG022095.D

Acq: 27 May 2016 00:30

Instrument :

BNA_G

ClientSampled :

BCZK2

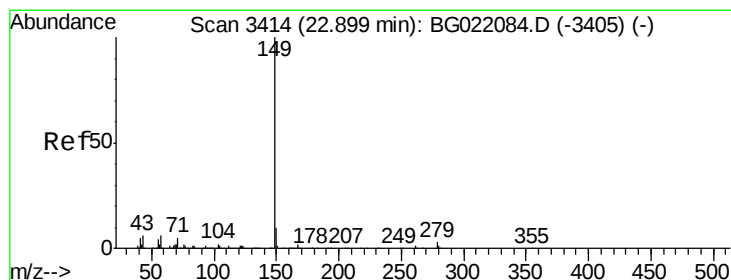
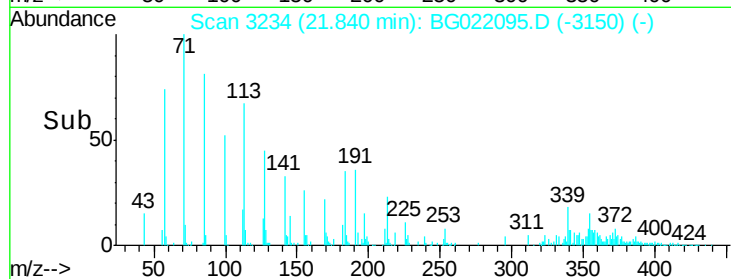
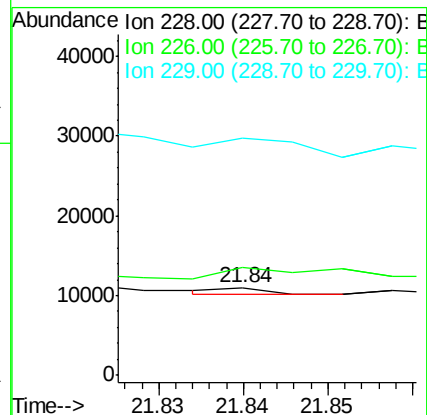
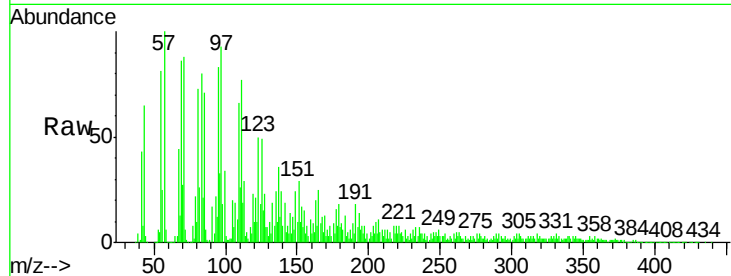
Tgt Ion:228 Resp: 355

Ion Ratio Lower Upper

228 100

226 122.3 24.2 36.4#

229 270.4 15.0 22.6#



#84

Di-n-octyl phthalate

Concen: 39.19 ng/ul

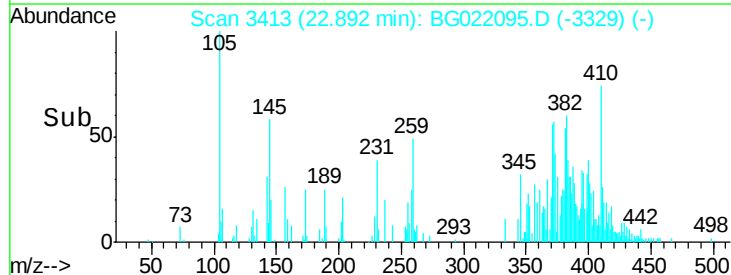
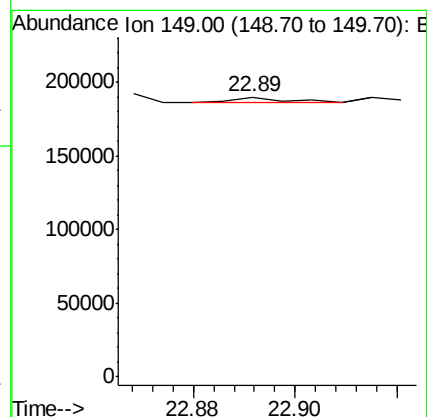
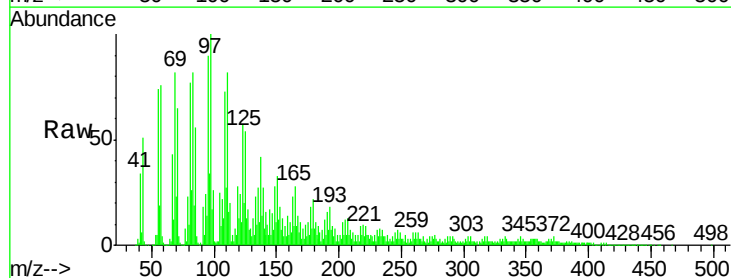
RT: 22.89 min Scan# 3413

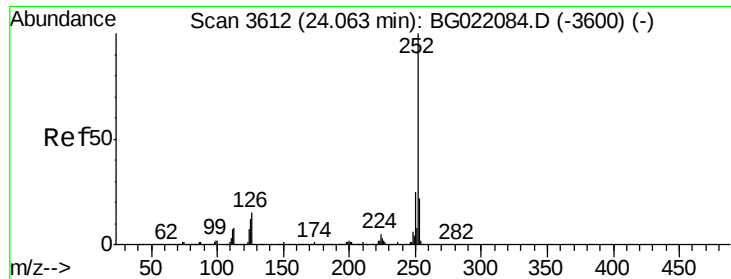
Delta R.T. -0.01 min

Lab File: BG022095.D

Acq: 27 May 2016 00:30

Tgt Ion:149 Resp: 3340





#85

Benzo(b)fluoranthene

Concen: 26.73 ng/ul

RT: 24.07 min Scan# 3614

Delta R.T. 0.01 min

Lab File: BG022095.D

Acq: 27 May 2016 00:30

Instrument :

BNA_G

ClientSampleId :

BCZK2

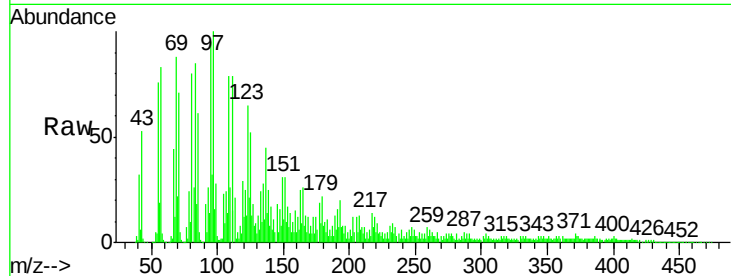
Tgt Ion:252 Resp: 1636

Ion Ratio Lower Upper

252 100

253 242.5 18.2 27.2#

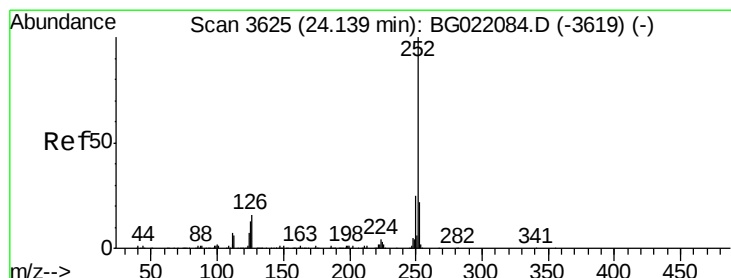
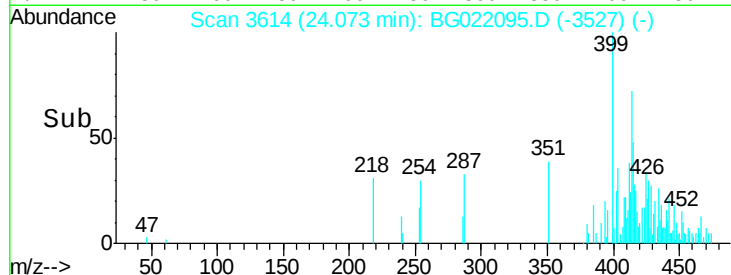
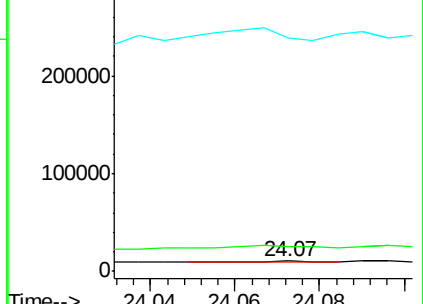
125 2303.0 10.8 16.2#



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: 18.30 ng/ul

RT: 24.13 min Scan# 3624

Delta R.T. -0.01 min

Lab File: BG022095.D

Acq: 27 May 2016 00:30

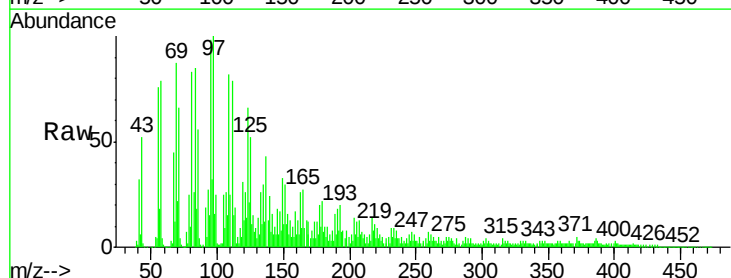
Tgt Ion:252 Resp: 1090

Ion Ratio Lower Upper

252 100

253 240.8 15.8 23.6#

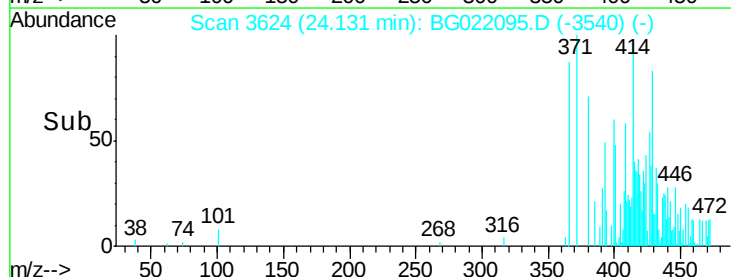
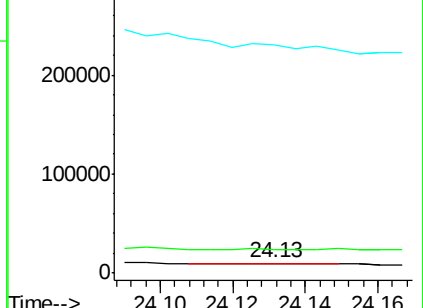
125 2346.6 10.6 16.0#

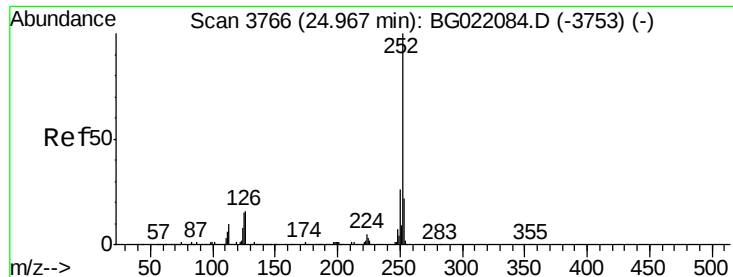


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 34.90 ng/ul

RT: 24.98 min Scan# 3768

Delta R.T. 0.01 min

Lab File: BG022095.D

Acq: 27 May 2016 00:30

Instrument :

BNA_G

ClientSampleId :

BCZK2

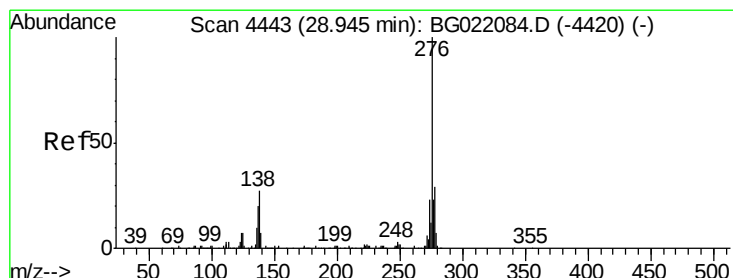
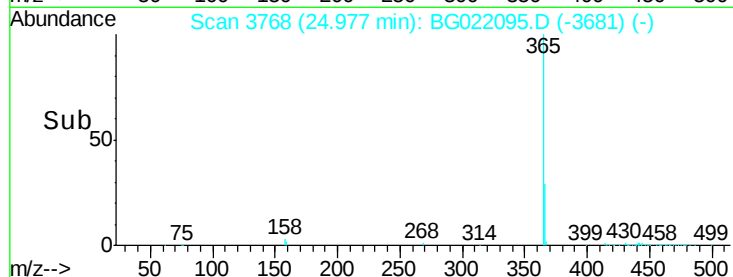
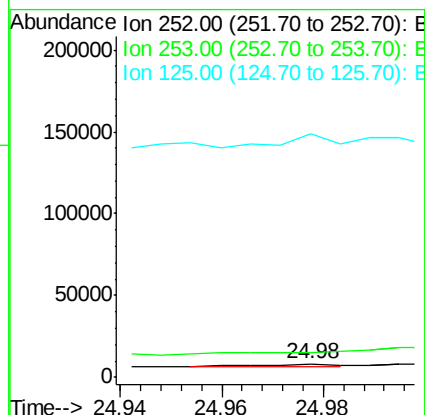
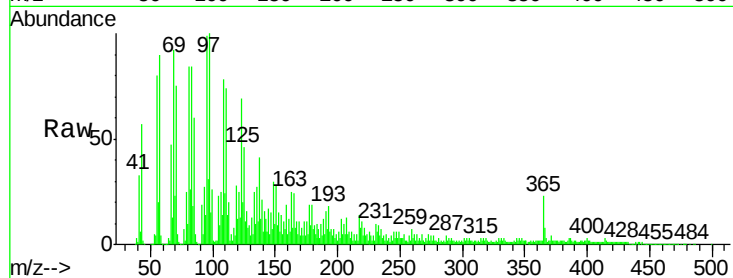
Tgt Ion:252 Resp: 2061

Ion Ratio Lower Upper

252 100

253 182.8 19.0 28.4#

125 1782.5 12.0 18.0#



#89

Indeno(1,2,3-cd)pyrene

Concen: 11.21 ng/ul

RT: 28.97 min Scan# 4447

Delta R.T. 0.02 min

Lab File: BG022095.D

Acq: 27 May 2016 00:30

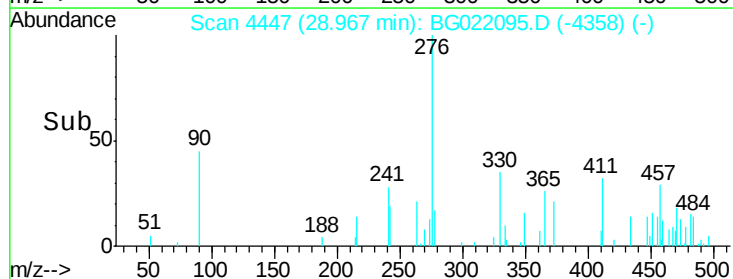
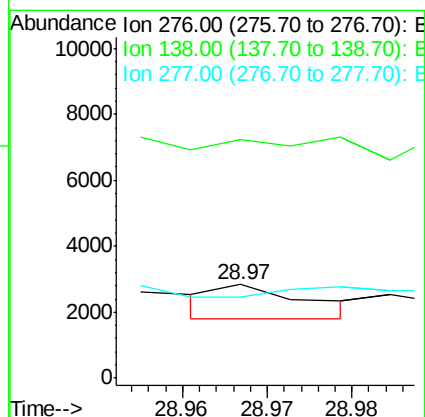
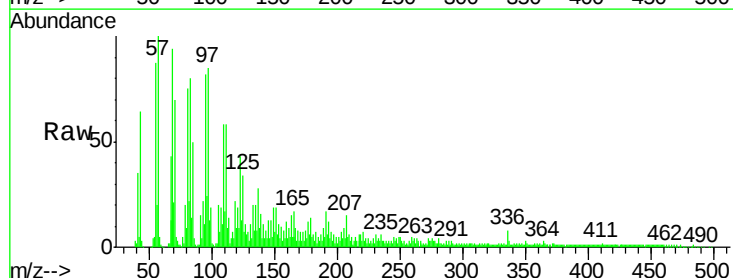
Tgt Ion:276 Resp: 759

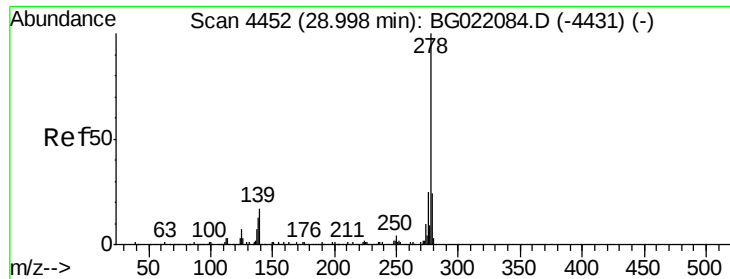
Ion Ratio Lower Upper

276 100

138 255.4 20.8 31.2#

277 86.5 17.6 26.4#





#90

Dibenzo(a,h)anthracene

Concen: 6.42 ng/ul

RT: 29.00 min Scan# 4453

Delta R.T. 0.00 min

Lab File: BG022095.D

Acq: 27 May 2016 00:30

Instrument :

BNA_G

ClientSampleId :

BCZK2

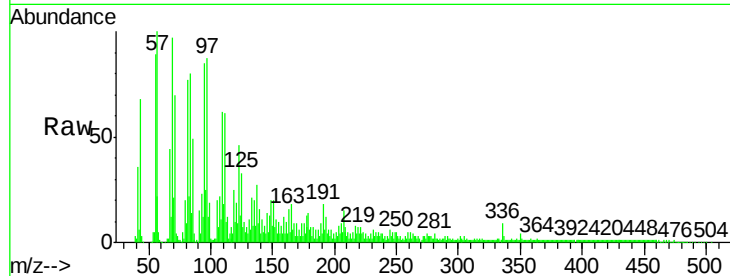
Tgt Ion:278 Resp: 364

Ion Ratio Lower Upper

278 100

139 523.3 16.3 24.5#

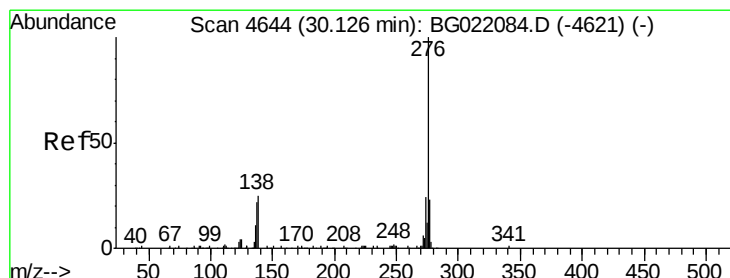
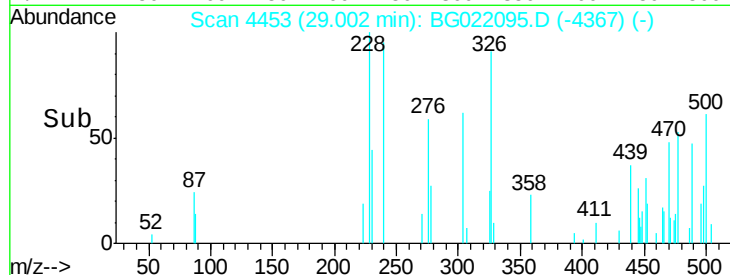
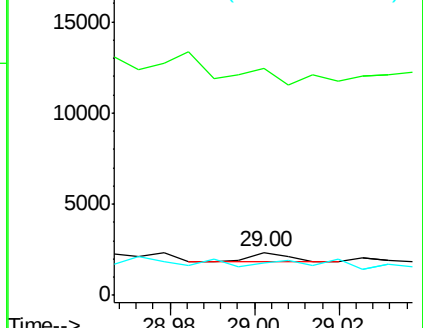
279 75.1 19.1 28.7#



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: 1.90 ng/ul

RT: 30.12 min Scan# 4643

Delta R.T. -0.01 min

Lab File: BG022095.D

Acq: 27 May 2016 00:30

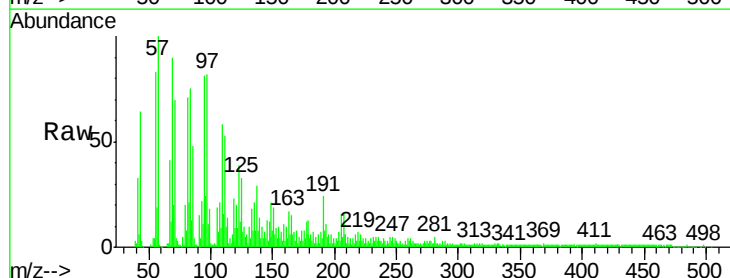
Tgt Ion:276 Resp: 103

Ion Ratio Lower Upper

276 100

138 386.3 22.1 33.1#

277 138.9 17.0 25.4#



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

