

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121316\
 Data File : BG025158.D
 Acq On : 13 Dec 2016 23:27
 Operator : UM/SJ
 Sample : H5993-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P036-SS016-1824-03

Quant Time: Dec 14 03:23:26 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	85367	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	389076	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	313168	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	621888	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	727917	20.00	ng/ul	0.00
83) Perylene-d12	25.33	264	755802	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.58	96	6990	4.23	ng/uL	0.00
5) Phenol-d5	7.39	99	164470	22.33	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	107882	23.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	116575	22.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	149687	24.32	ng/ul	0.00
19) Nitrobenzene-d5	9.42	128	69279	25.14	ng/ul	0.00
22) 2-Nitrophenol-d4	10.14	143	81363	23.69	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.69	165	154436	23.38	ng/ul	0.00
29) 4-Chloroaniline-d4	11.20	131	127590	19.65	ng/ul	0.00
43) Dimethylphthalate-d6	14.25	166	569506	26.44	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	642469	27.23	ng/ul	0.00
51) 4-Nitrophenol-d4	15.07	143	83459	22.54	ng/ul	0.00
57) Fluorene-d10	15.85	176	506148	24.96	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.98	200	89398	23.25	ng/ul	0.00
70) Anthracene-d10	17.70	188	724926	27.62	ng/ul	0.00
76) Pyrene-d10	19.98	212	796907	26.58	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.09	264	827012	27.01	ng/ul	0.01

Target Compounds

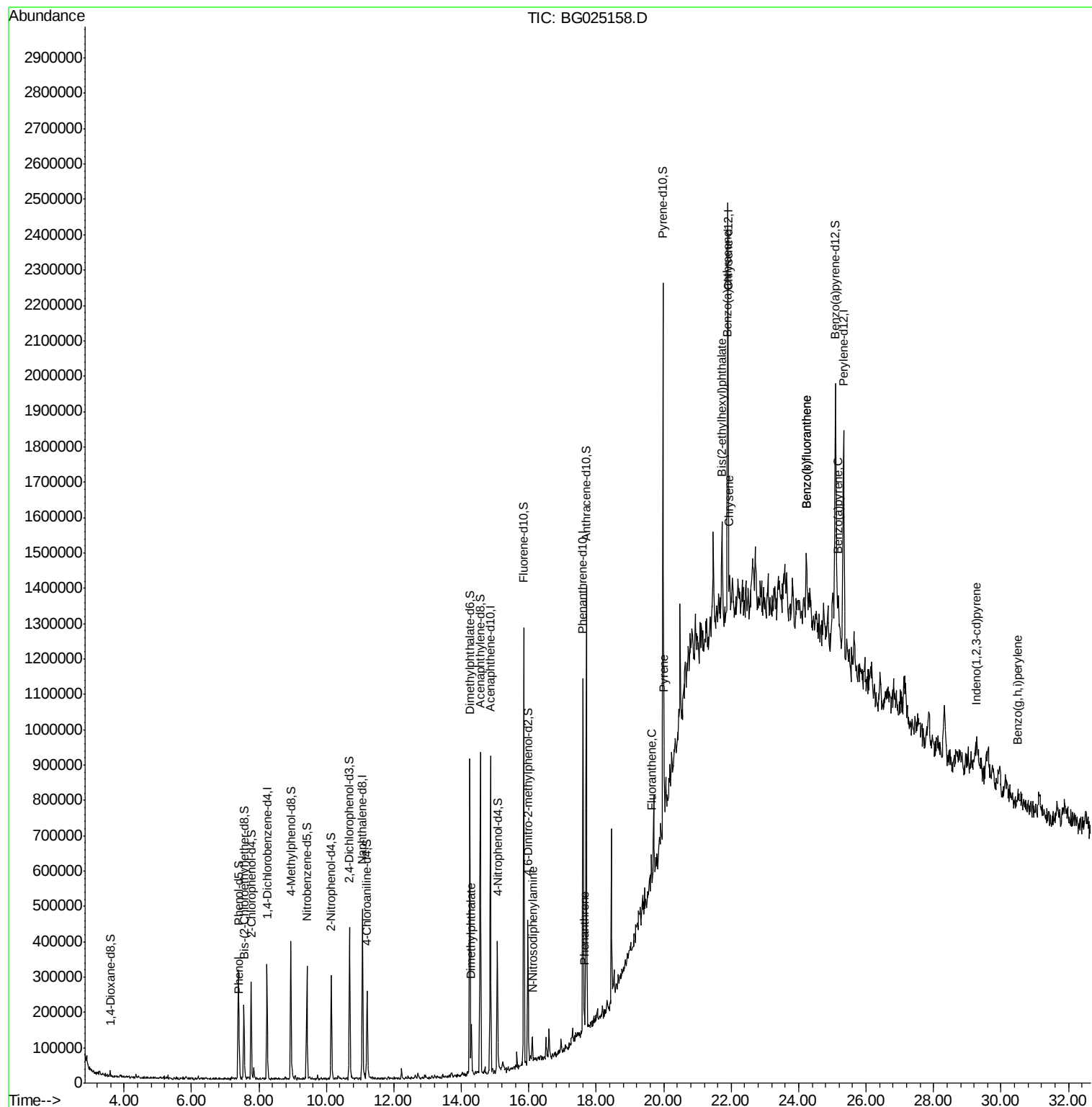
						Qvalue
6) Phenol	7.42	94	27633	3.66	ng/ul#	84
44) Dimethylphthalate	14.30	163	84838	4.01	ng/ul#	99
64) N-Nitrosodiphenylamine	16.10	169	26080	1.63	ng/ul	93
69) Phenanthrene	17.64	178	32238	1.09	ng/ul	100
74) Fluoranthene	19.64	202	50876	1.44	ng/ul	97
77) Pyrene	20.01	202	79632	2.28	ng/ul	97
80) Benzo(a)anthracene	21.88	228	81535	2.16	ng/ul#	77
81) Bis(2-ethylhexyl)phthalate	21.73	149	94141	4.99	ng/ul#	88
82) Chrysene	21.95	228	134686	3.81	ng/ul#	89
85) Benzo(b)fluoranthene	24.22	252	188942	5.04	ng/ul#	77
86) Benzo(k)fluoranthene	24.22	252	182734	5.13	ng/ul#	79
88) Benzo(a)pyrene	25.16	252	105839	2.94	ng/ul#	72
89) Indeno(1,2,3-cd)pyrene	29.27	276	57279	1.28	ng/ul#	82
91) Benzo(g,h,i)perylene	30.51	276	74513	1.99	ng/ul	93

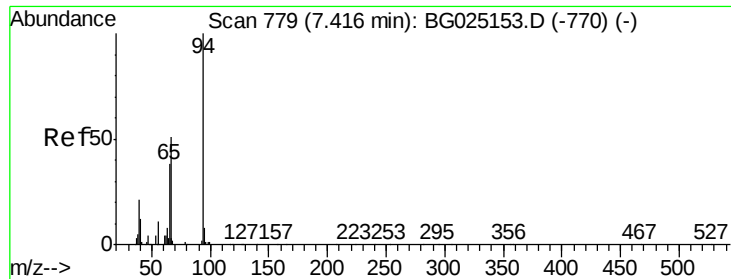
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#6

Phenol

Concen: 3.66 ng/ul

RT: 7.42 min Scan# 779

Delta R.T. -0.00 min

Lab File: BG025158.D

Acq: 13 Dec 2016 23:27

Instrument :

BNA_G

ClientSampleId :

P036-SS016-1824-03

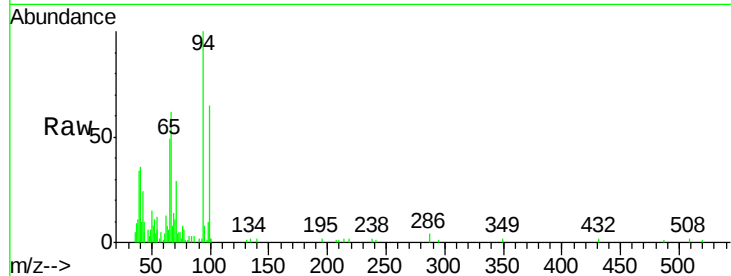
Tgt Ion: 94 Resp: 27633

Ion Ratio Lower Upper

94 100

65 49.0 26.8 40.2#

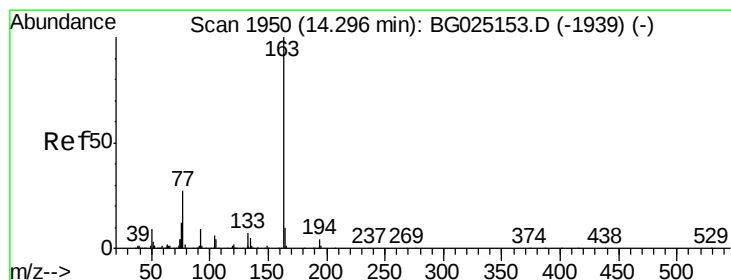
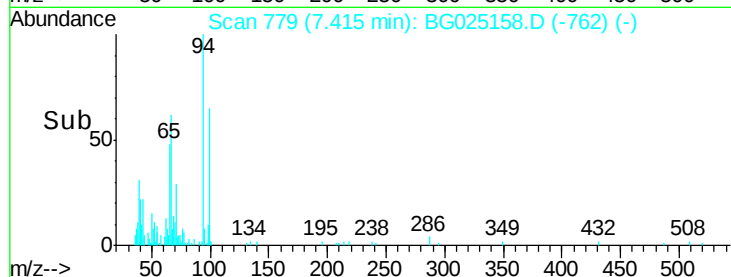
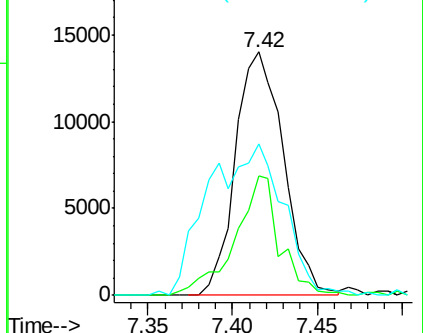
66 62.1 44.4 66.6



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: 4.01 ng/ul

RT: 14.30 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BG025158.D

Acq: 13 Dec 2016 23:27

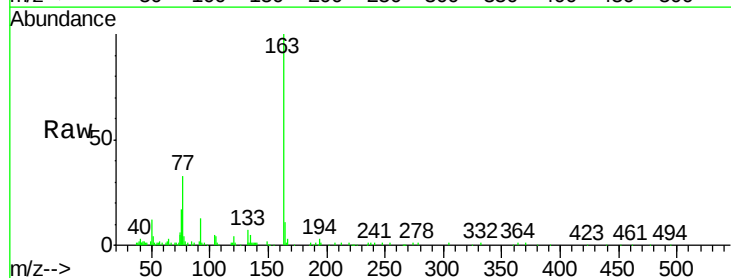
Tgt Ion: 163 Resp: 84838

Ion Ratio Lower Upper

163 100

194 3.3 3.4 5.0#

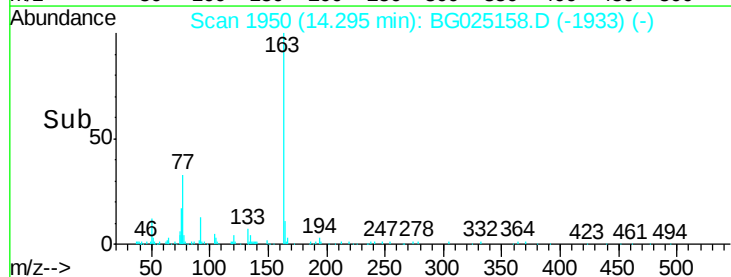
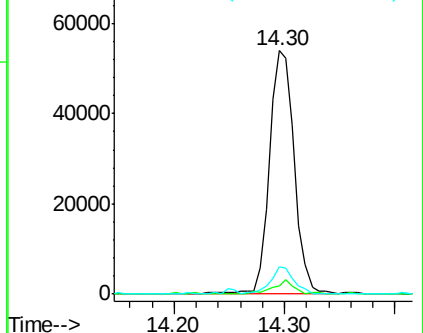
164 11.3 9.0 13.4

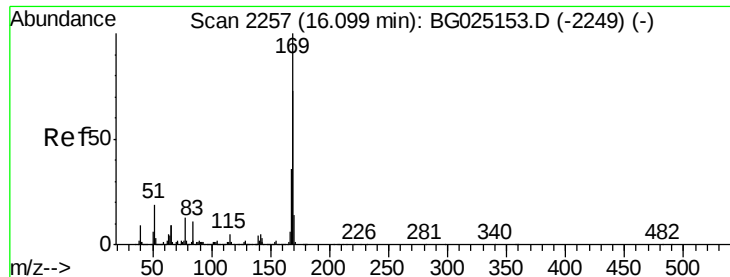


Abundance Ion 163.00 (162.70 to 163.70): BGC

Ion 194.00 (193.70 to 194.70): BGC

Ion 164.00 (163.70 to 164.70): BGC





#64

N-Nitrosodiphenylamine

Concen: 1.63 ng/ul

RT: 16.10 min Scan# 2257

Delta R.T. -0.00 min

Lab File: BG025158.D

Acq: 13 Dec 2016 23:27

Instrument :

BNA_G

ClientSampleId :

P036-SS016-1824-03

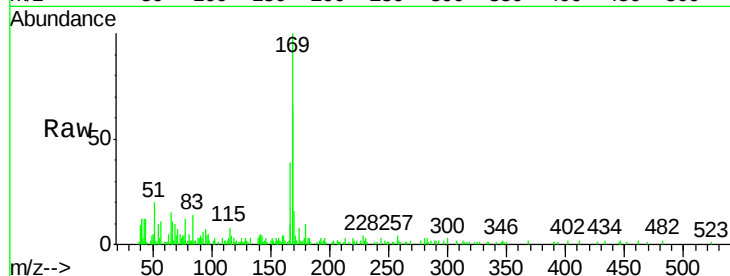
Tgt Ion:169 Resp: 26080

Ion Ratio Lower Upper

169 100

168 65.7 59.1 88.7

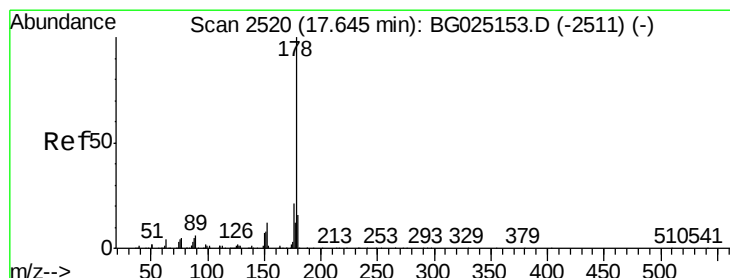
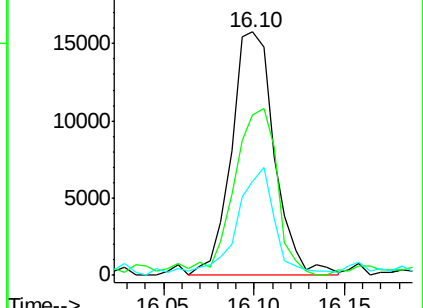
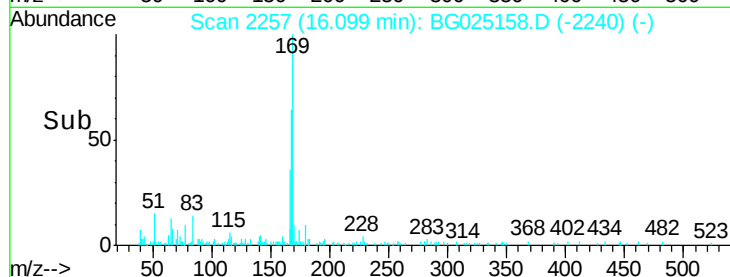
167 38.6 29.7 44.5



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



#69

Phenanthrene

Concen: 1.09 ng/ul

RT: 17.64 min Scan# 2520

Delta R.T. -0.00 min

Lab File: BG025158.D

Acq: 13 Dec 2016 23:27

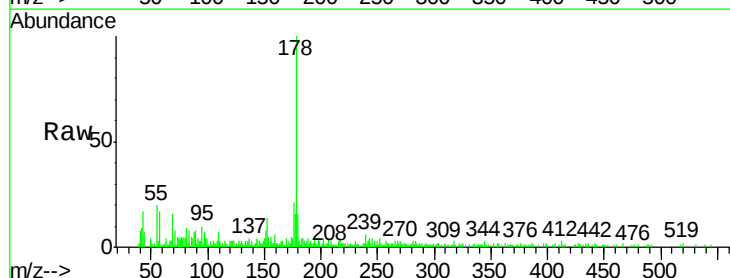
Tgt Ion:178 Resp: 32238

Ion Ratio Lower Upper

178 100

179 15.6 12.4 18.6

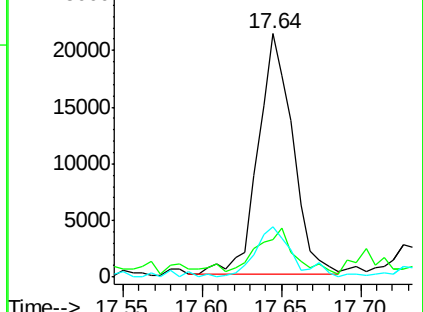
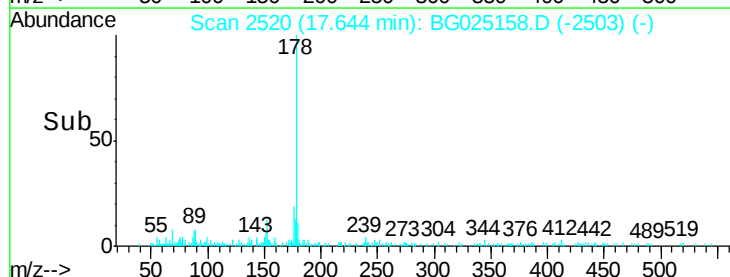
176 20.6 16.5 24.7

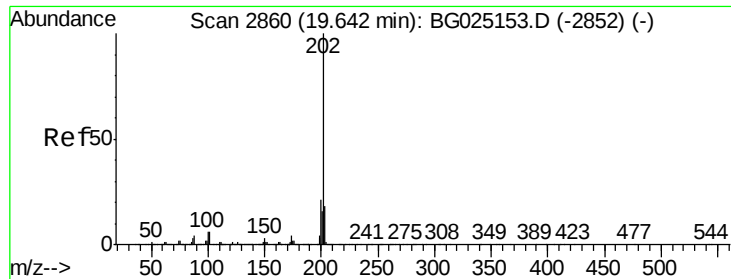


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 1.44 ng/ul

RT: 19.64 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BG025158.D

Acq: 13 Dec 2016 23:27

Instrument :

BNA_G

ClientSampleId :

P036-SS016-1824-03

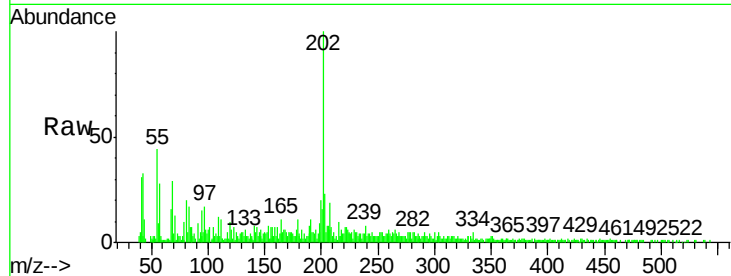
Tgt Ion:202 Resp: 50876

Ion Ratio Lower Upper

202 100

101 6.7 6.2 9.2

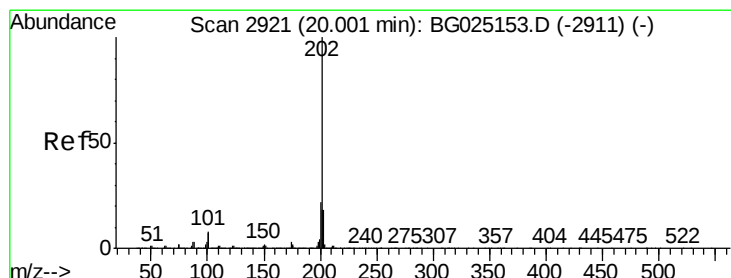
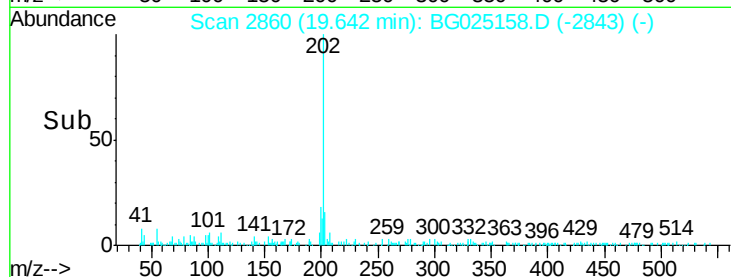
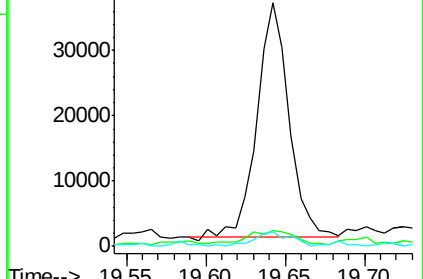
100 5.8 5.2 7.8



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: 2.28 ng/ul

RT: 20.01 min Scan# 2922

Delta R.T. 0.01 min

Lab File: BG025158.D

Acq: 13 Dec 2016 23:27

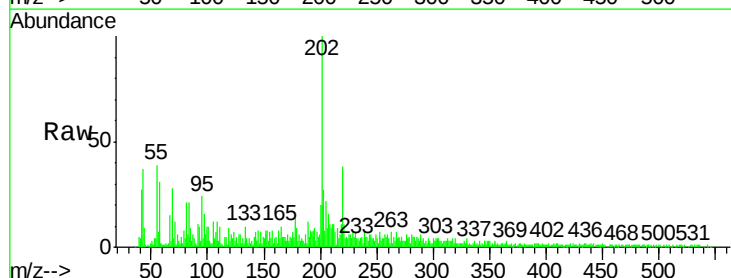
Tgt Ion:202 Resp: 79632

Ion Ratio Lower Upper

202 100

101 9.7 6.9 10.3

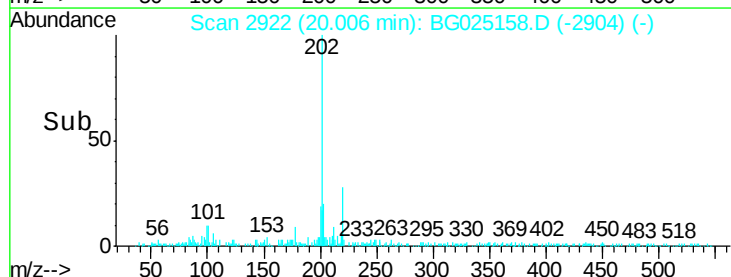
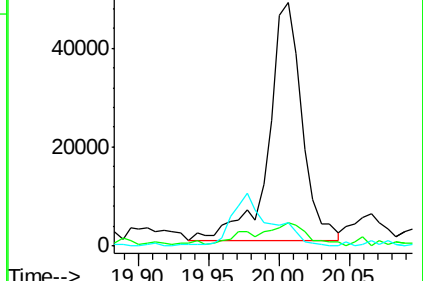
100 9.7 6.6 10.0

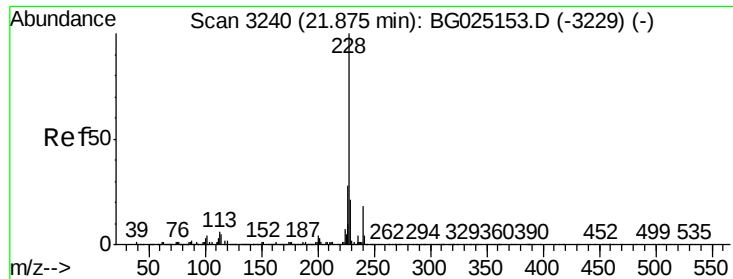


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 2.16 ng/ul

RT: 21.88 min Scan# 3241

Delta R.T. 0.01 min

Lab File: BG025158.D

Acq: 13 Dec 2016 23:27

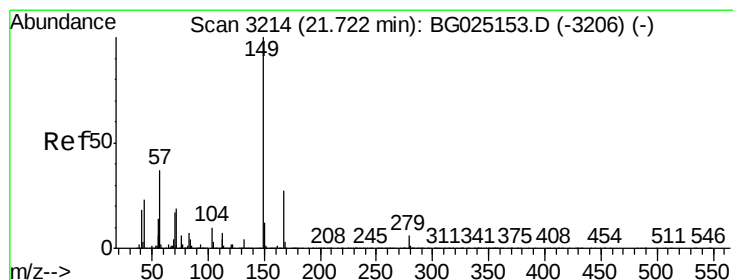
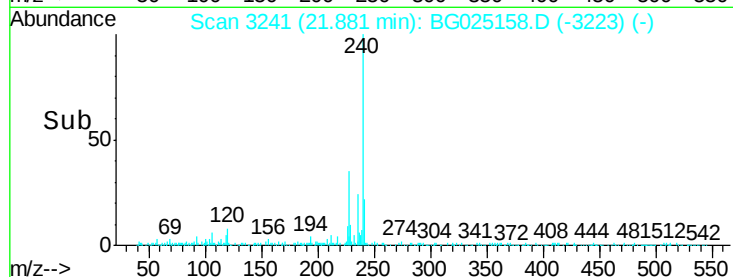
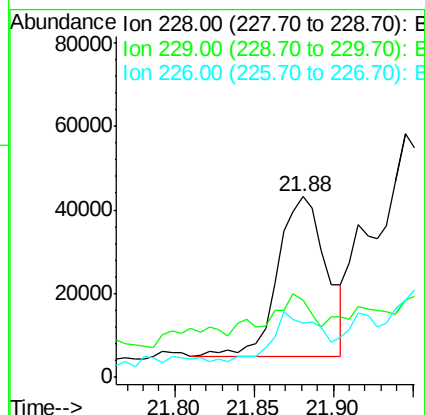
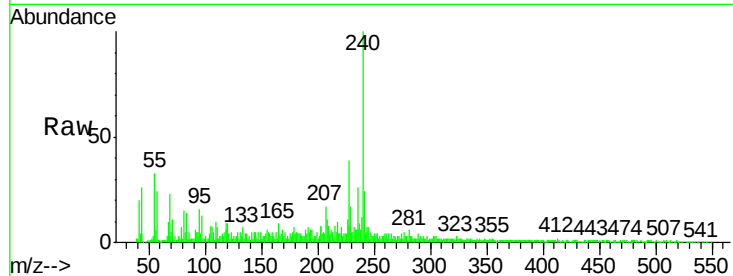
Instrument :

BNA_G

ClientSampleId :

P036-SS016-1824-03

Tgt Ion:	228	Resp:	81535
Ion Ratio	Lower	Upper	
228	100		
229	42.8	16.3	24.5#
226	29.7	21.9	32.9



#81

Bis(2-ethylhexyl)phthalate

Concen: 4.99 ng/ul

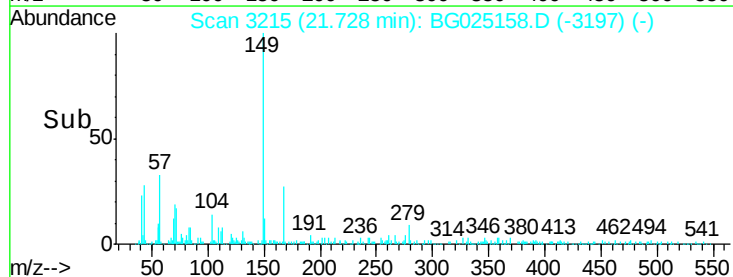
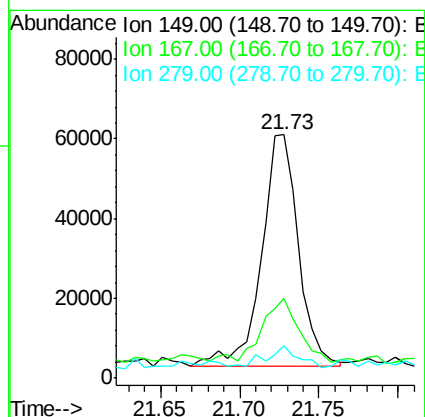
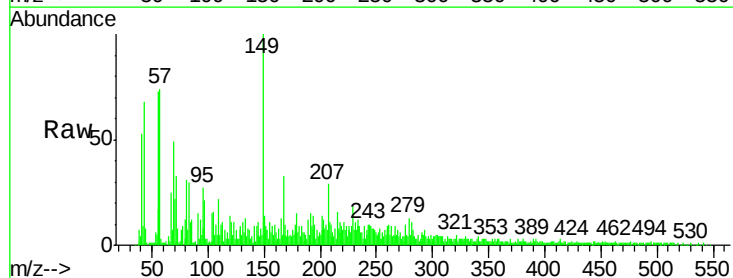
RT: 21.73 min Scan# 3215

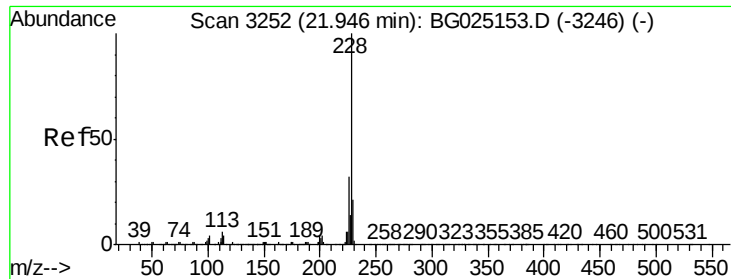
Delta R.T. 0.01 min

Lab File: BG025158.D

Acq: 13 Dec 2016 23:27

Tgt Ion:	149	Resp:	94141
Ion Ratio	Lower	Upper	
149	100		
167	32.6	21.8	32.8
279	13.2	4.5	6.7#





#82

Chrysene

Concen: 3.81 ng/ul

RT: 21.95 min Scan# 3252

Delta R.T. -0.00 min

Lab File: BG025158.D

Acq: 13 Dec 2016 23:27

Instrument :

BNA_G

ClientSampleId :

P036-SS016-1824-03

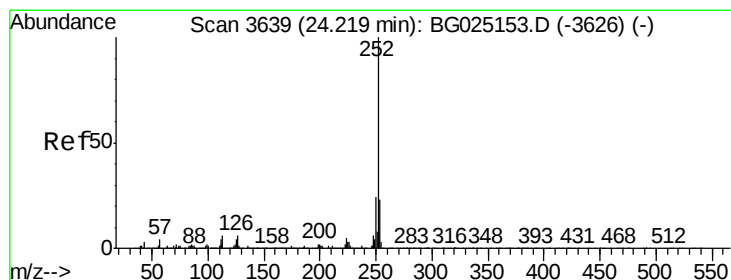
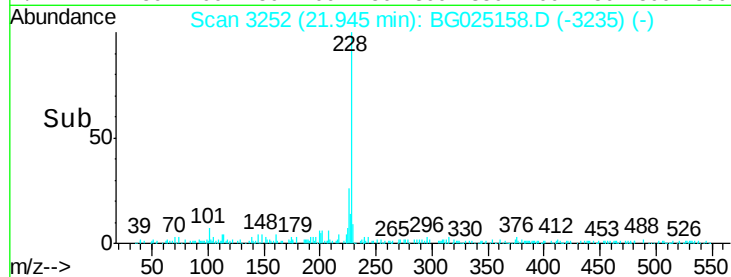
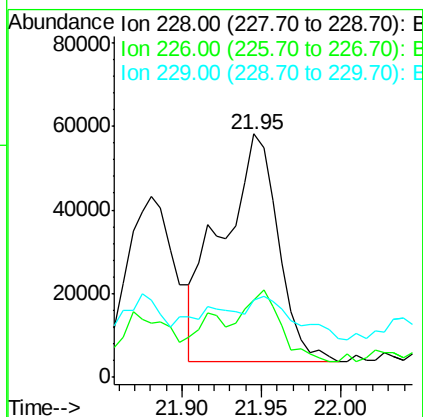
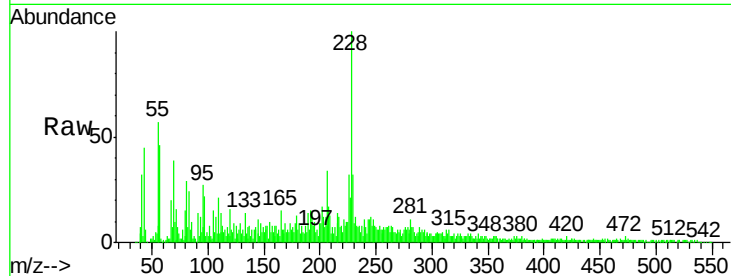
Tgt Ion:228 Resp: 134686

Ion Ratio Lower Upper

228 100

226 31.7 24.0 36.0

229 31.9 16.9 25.3#



#85

Benzo(b)fluoranthene

Concen: 5.04 ng/ul

RT: 24.22 min Scan# 3640

Delta R.T. 0.01 min

Lab File: BG025158.D

Acq: 13 Dec 2016 23:27

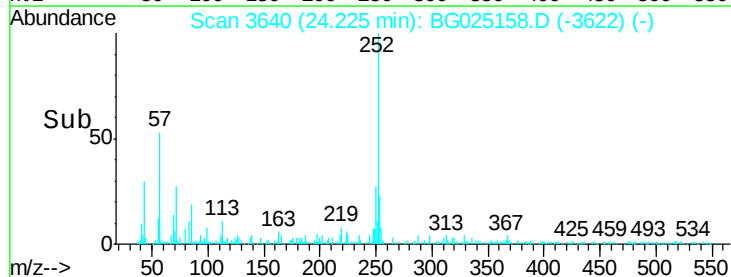
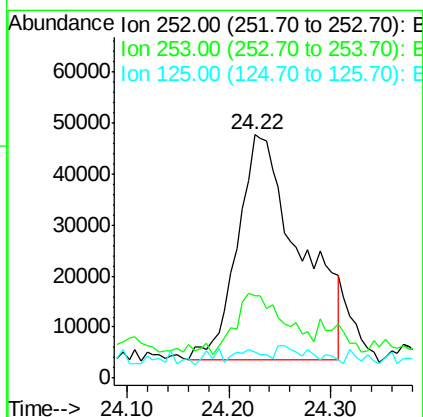
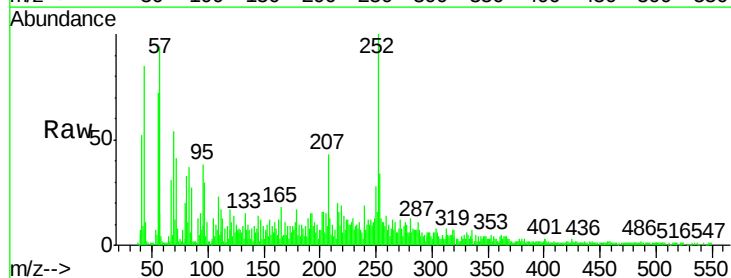
Tgt Ion:252 Resp: 188942

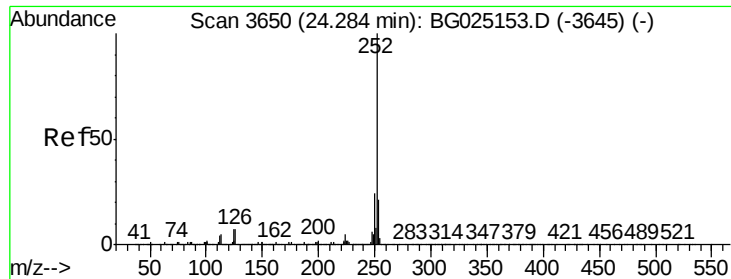
Ion Ratio Lower Upper

252 100

253 34.0 17.7 26.5#

125 10.5 4.0 6.0#





#86

Benzo(k)fluoranthene

Concen: 5.13 ng/ul

RT: 24.22 min Scan# 3640

Delta R.T. -0.06 min

Lab File: BG025158.D

Acq: 13 Dec 2016 23:27

Instrument :

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ClientSampleId :

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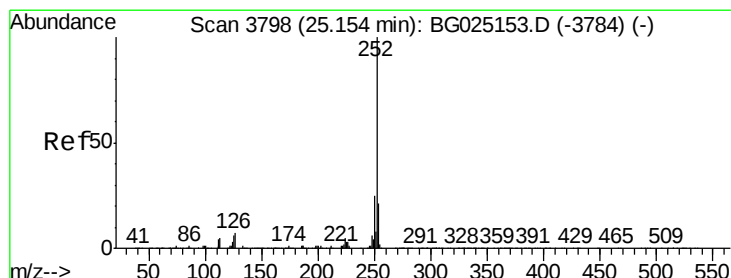
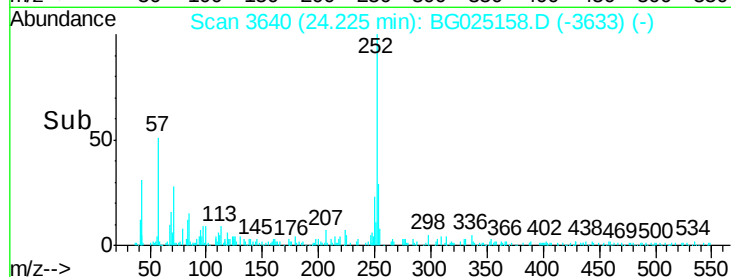
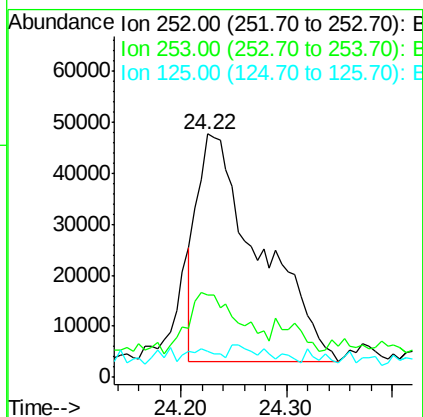
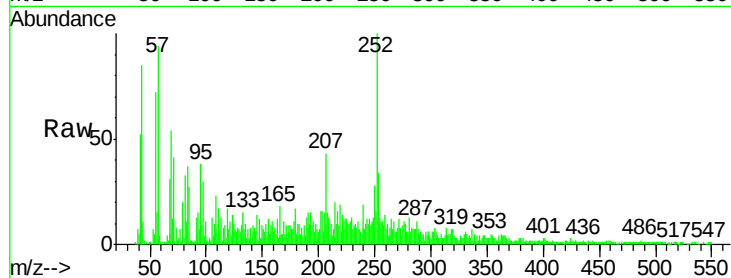
Tgt Ion:252 Resp: 182734

Ion Ratio Lower Upper

252 100

253 34.0 18.5 27.7#

125 10.5 4.1 6.1#



#88

Benzo(a)pyrene

Concen: 2.94 ng/ul

RT: 25.16 min Scan# 3799

Delta R.T. 0.01 min

Lab File: BG025158.D

Acq: 13 Dec 2016 23:27

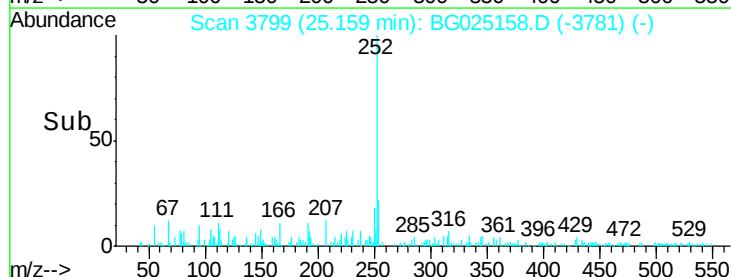
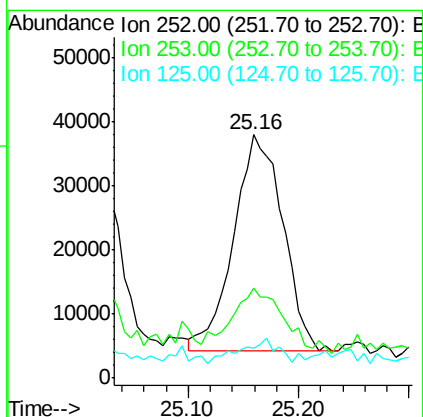
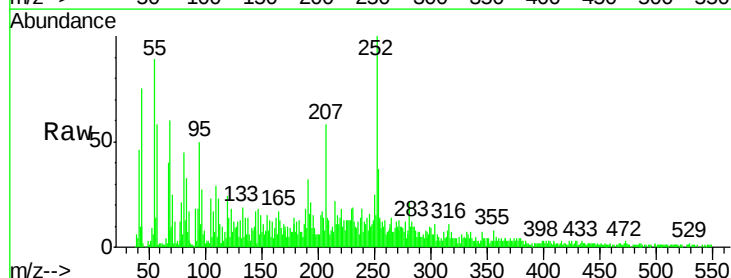
Tgt Ion:252 Resp: 105839

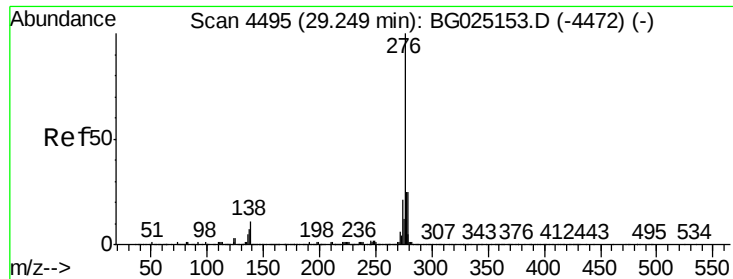
Ion Ratio Lower Upper

252 100

253 37.0 17.8 26.6#

125 12.5 5.4 8.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 1.28 ng/ul

RT: 29.27 min Scan# 4498

Delta R.T. 0.02 min

Lab File: BG025158.D

Acq: 13 Dec 2016 23:27

Instrument :

BNA_G

ClientSampleId :

P036-SS016-1824-03

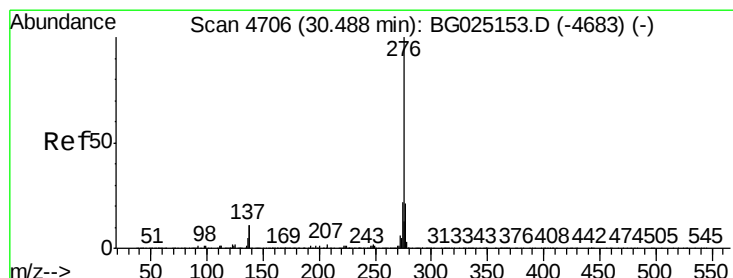
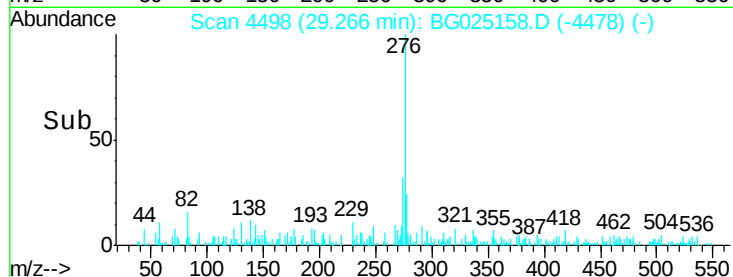
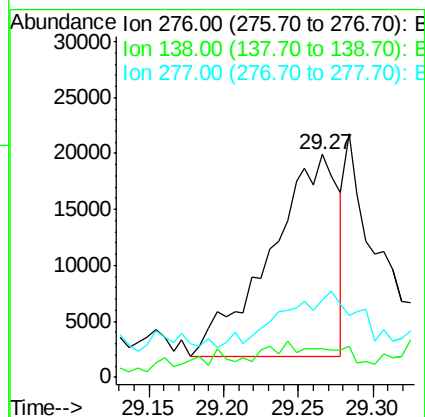
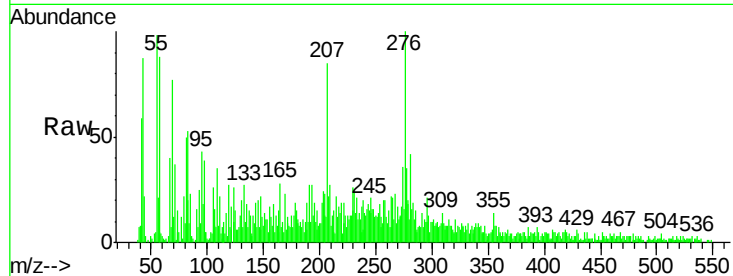
Tgt Ion:276 Resp: 57279

Ion Ratio Lower Upper

276 100

138 12.8 8.2 12.4#

277 34.5 18.6 28.0#



#91

Benzo(g,h,i)perylene

Concen: 1.99 ng/ul

RT: 30.51 min Scan# 4709

Delta R.T. 0.02 min

Lab File: BG025158.D

Acq: 13 Dec 2016 23:27

Tgt Ion:276 Resp: 74513

Ion Ratio Lower Upper

276 100

138 12.2 8.6 12.8

277 25.9 17.6 26.4

