

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG013117\
 Data File : BG025739.D
 Acq On : 1 Feb 2017 5:39
 Operator : SJ/MA
 Sample : I1460-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BDNS5

Quant Time: Feb 01 06:42:35 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG011817.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 01 04:33:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	76805	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	346710	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	269749	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.54	188	597014	20.00	ng/ul	0.00
75) Chrysene-d12	21.83	240	740008	20.00	ng/ul	0.00
83) Perylene-d12	25.21	264	772366	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	487	0.32	ng/uL	0.04
5) Phenol-d5	7.34	99	59858	9.09	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.49	67	40560	9.54	ng/ul	0.00
9) 2-Chlorophenol-d4	7.71	132	43964	9.47	ng/ul	0.01
13) 4-Methylphenol-d8	8.90	113	50277	8.99	ng/ul	0.02
19) Nitrobenzene-d5	9.36	128	22627	9.21	ng/ul	0.00
22) 2-Nitrophenol-d4	10.09	143	21920	7.47	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.65	165	42050	7.27	ng/ul	0.02
29) 4-Chloroaniline-d4	11.17	131	35138	5.43	ng/ul	0.02
43) Dimethylphthalate-d6	14.20	166	177580	9.32	ng/ul	0.00
46) Acenaphthylene-d8	14.50	160	212994	10.35	ng/ul	0.00
51) 4-Nitrophenol-d4	15.02	143	214	0.08	ng/ul	-0.02
57) Fluorene-d10	15.79	176	168869	9.40	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.95	200	22057	5.99	ng/ul	0.01
70) Anthracene-d10	17.64	188	272506	10.72	ng/ul	0.00
76) Pyrene-d10	19.92	212	329762	10.71	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.98	264	295904	9.12	ng/ul	0.00

Target Compounds

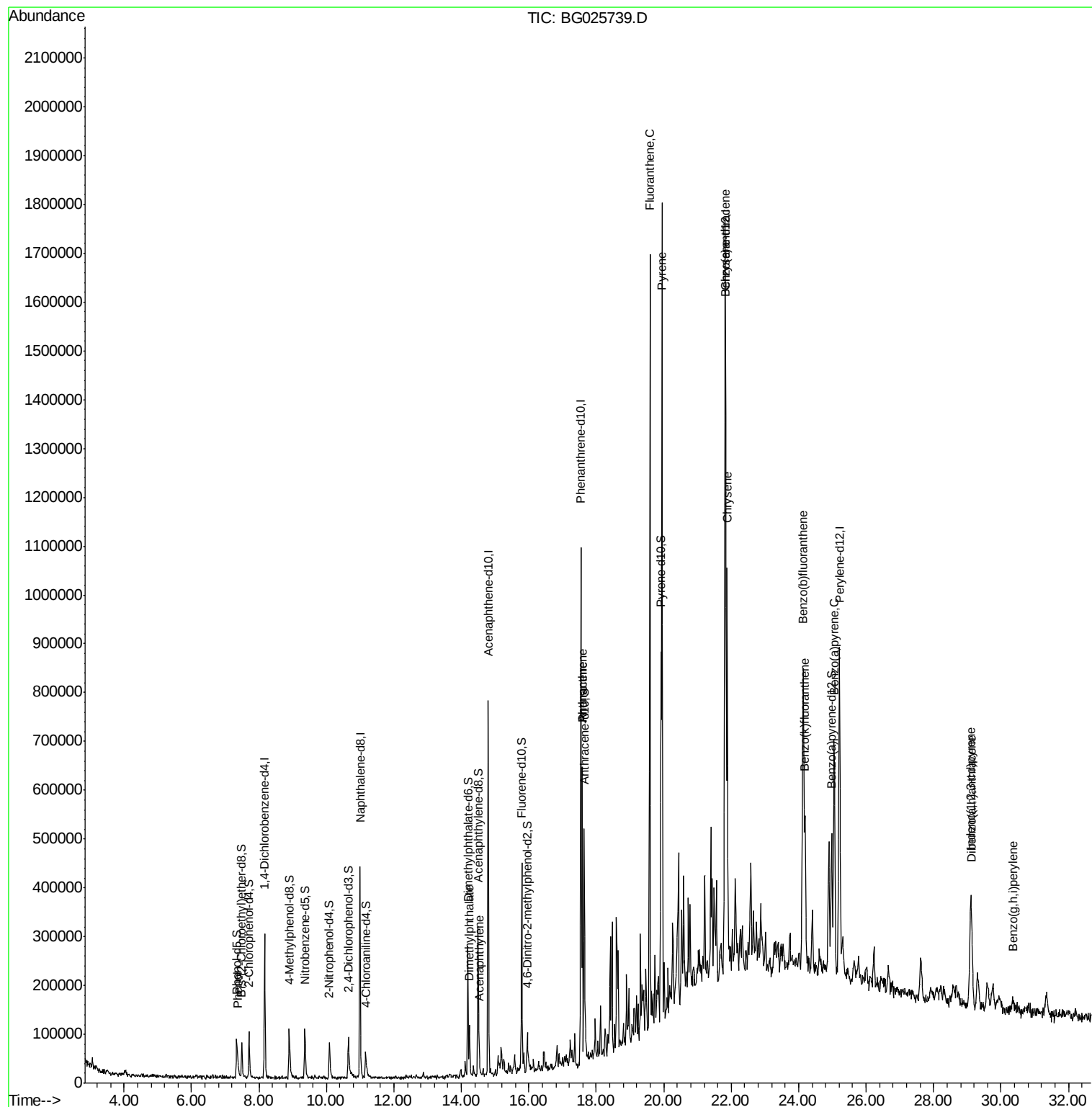
						Qvalue
6) Phenol	7.37	94	8314	1.20	ng/ul#	78
44) Dimethylphthalate	14.24	163	67767	3.62	ng/ul#	95
47) Acenaphthylene	14.53	152	41483	2.07	ng/ul#	93
69) Phenanthrene	17.59	178	382368	13.18	ng/ul	95
71) Anthracene	17.59	178	382368	13.11	ng/ul	96
74) Fluoranthene	19.59	202	995937	29.08	ng/ul	99
77) Pyrene	19.95	202	1003040	27.56	ng/ul	96
80) Benzo(a)anthracene	21.81	228	644915	16.49	ng/ul	98
82) Chrysene	21.88	228	639581	17.39	ng/ul	98
85) Benzo(b)fluoranthene	24.13	252	823739	20.61	ng/ul#	96
86) Benzo(k)fluoranthene	24.19	252	270286	7.21	ng/ul#	98
88) Benzo(a)pyrene	25.05	252	482628	12.76	ng/ul	95
89) Indeno(1,2,3-cd)pyrene	29.10	276	398300	8.32	ng/ul	100
90) Dibenzo(a,h)anthracene	29.13	278	66810	1.67	ng/ul#	88
91) Benzo(g,h,i)perylene	30.35	276	50127	1.27	ng/ul	94

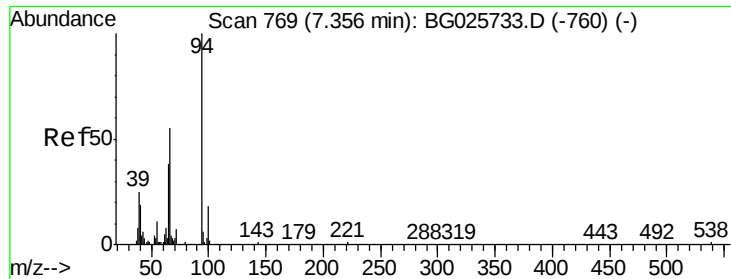
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG013117\
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 01 04:33:02 2017
Response via : Initial Calibration





#6

Phenol

Concen: 1.20 ng/ul

RT: 7.37 min Scan# 771

Delta R.T. 0.01 min

Lab File: BG025739.D

Acq: 1 Feb 2017 5:39

Instrument :

BNA_G

ClientSampleId :

BDNS5

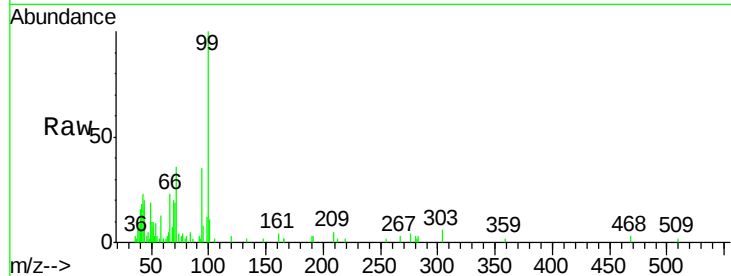
Tgt Ion: 94 Resp: 8314

Ion Ratio Lower Upper

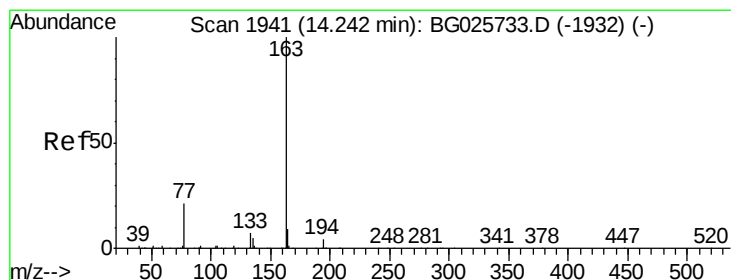
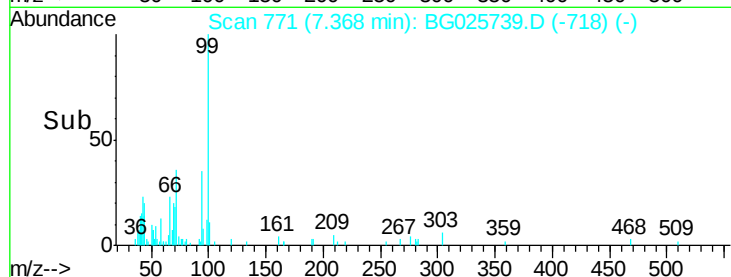
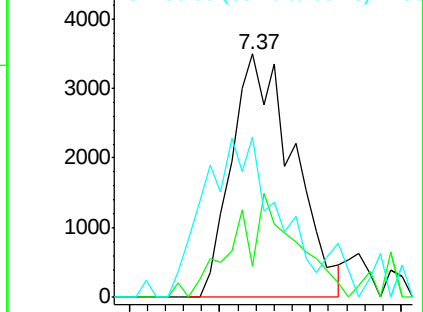
94 100

65 13.0 26.8 40.2#

66 65.9 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: 3.62 ng/ul

RT: 14.24 min Scan# 1941

Delta R.T. 0.00 min

Lab File: BG025739.D

Acq: 1 Feb 2017 5:39

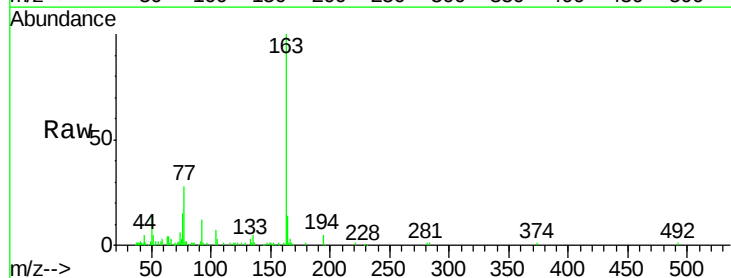
Tgt Ion: 163 Resp: 67767

Ion Ratio Lower Upper

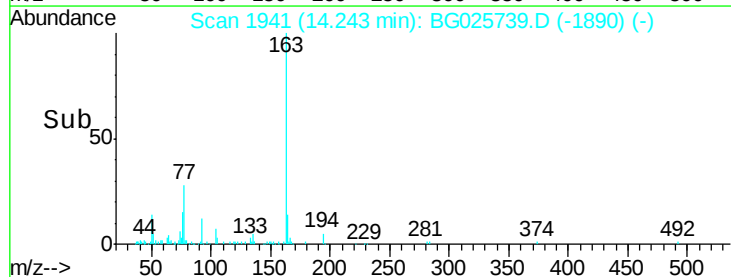
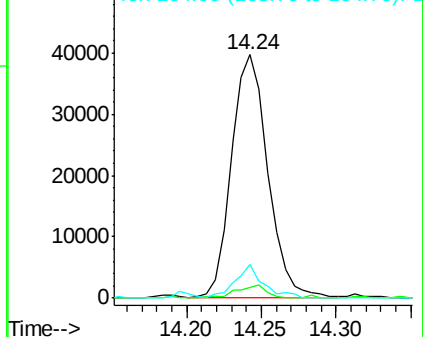
163 100

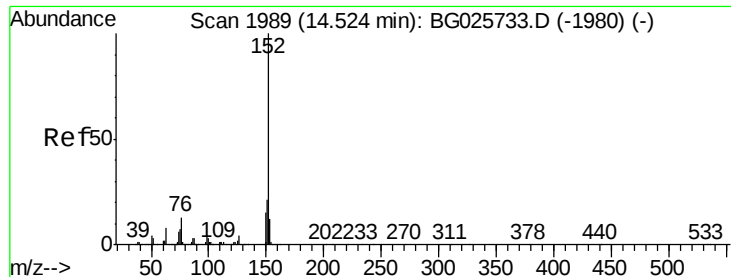
194 4.6 3.4 5.0

164 13.9 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





#47

Acenaphthylene

Concen: 2.07 ng/ul

RT: 14.53 min Scan# 1990

Delta R.T. 0.01 min

Lab File: BG025739.D

Acq: 1 Feb 2017 5:39

Instrument :

BNA_G

ClientSampleId :

BDNS5

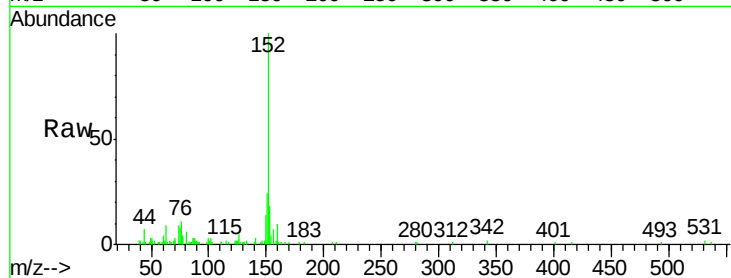
Tgt Ion:152 Resp: 41483

Ion Ratio Lower Upper

152 100

151 23.5 16.7 25.1

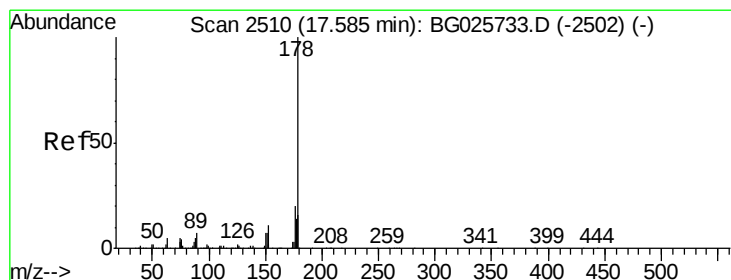
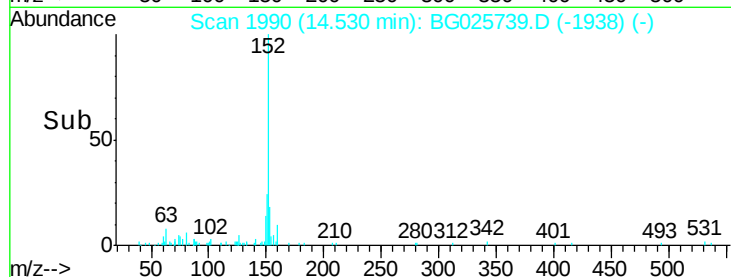
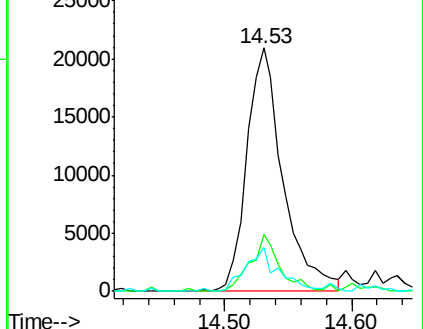
153 17.9 11.4 17.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#69

Phenanthrene

Concen: 13.18 ng/ul

RT: 17.59 min Scan# 2510

Delta R.T. 0.00 min

Lab File: BG025739.D

Acq: 1 Feb 2017 5:39

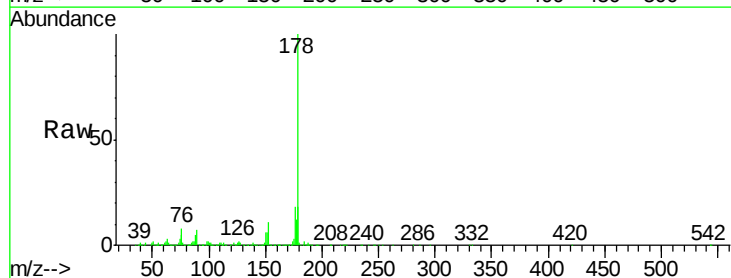
Tgt Ion:178 Resp: 382368

Ion Ratio Lower Upper

178 100

179 17.6 12.4 18.6

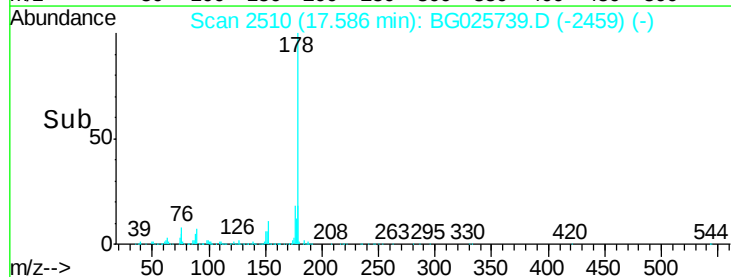
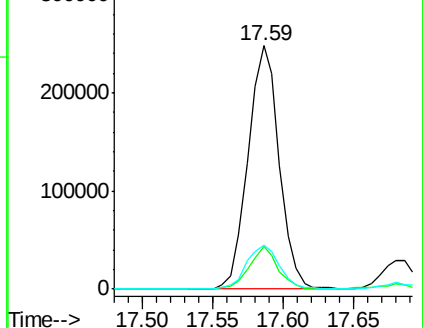
176 18.1 16.5 24.7

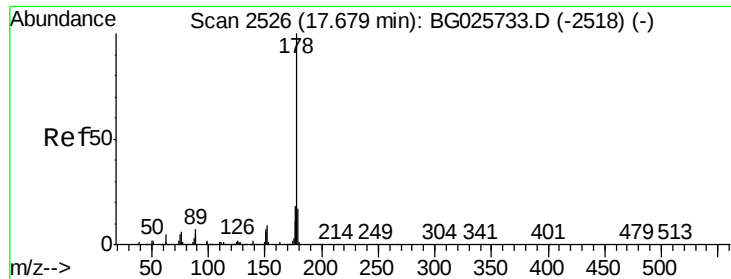


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

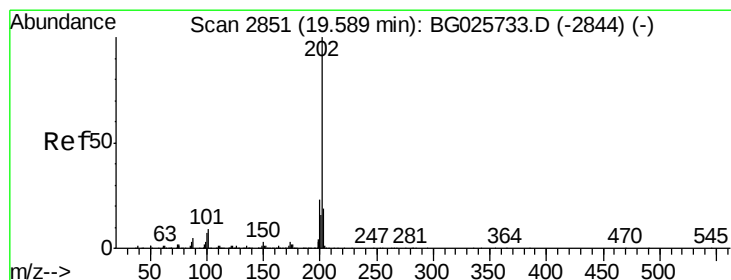
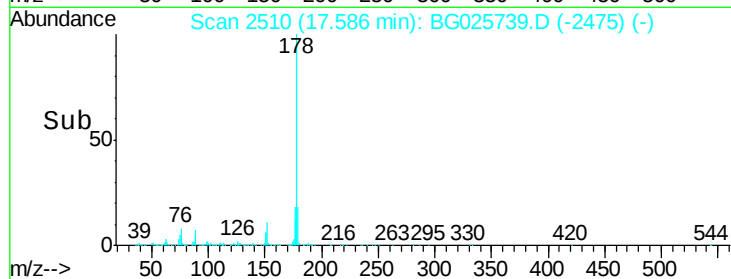
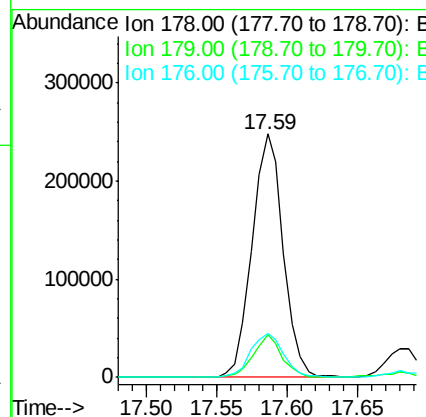
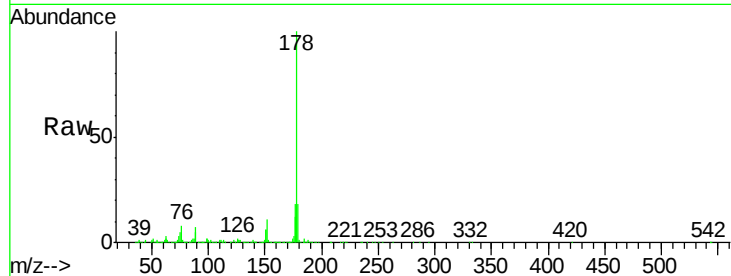




#71
 Anthracene
 Concen: 13.11 ng/ul
 RT: 17.59 min Scan# 2510
 Delta R.T. -0.09 min
 Lab File: BG025739.D
 Acq: 1 Feb 2017 5:39

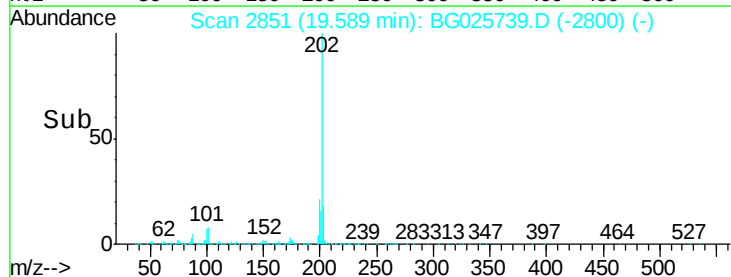
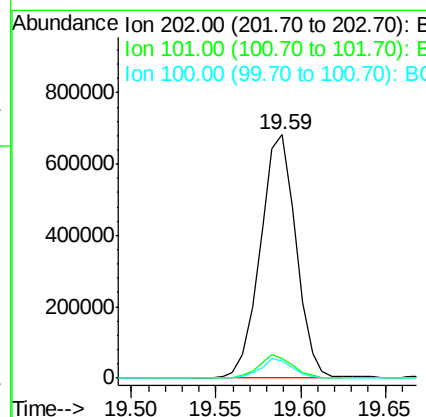
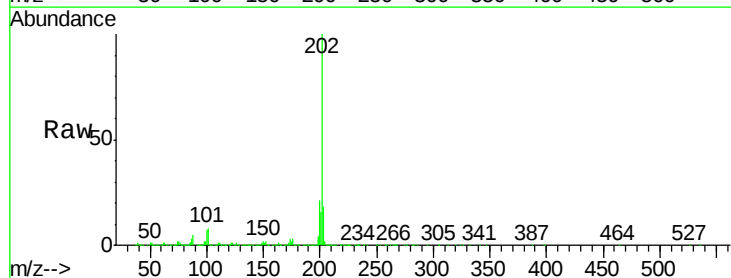
Instrument :
 BNA_G
 ClientSampleId :
 BDNS5

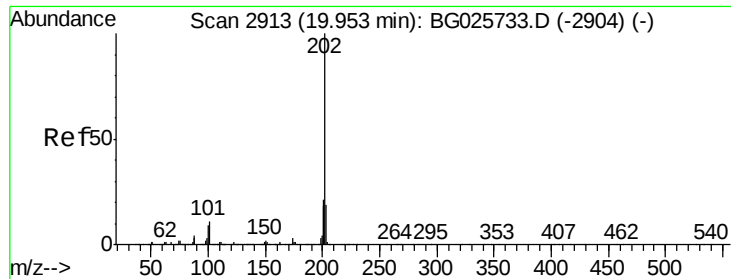
Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.6	12.6	19.0
176	18.1	15.9	23.9



#74
 Fluoranthene
 Concen: 29.08 ng/ul
 RT: 19.59 min Scan# 2851
 Delta R.T. 0.00 min
 Lab File: BG025739.D
 Acq: 1 Feb 2017 5:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.2	6.2	9.2
100	7.0	5.2	7.8





#77

Pyrene

Concen: 27.56 ng/ul

RT: 19.95 min Scan# 2912

Delta R.T. -0.01 min

Lab File: BG025739.D

Acq: 1 Feb 2017 5:39

Instrument :

BNA_G

ClientSampleId :

BDNS5

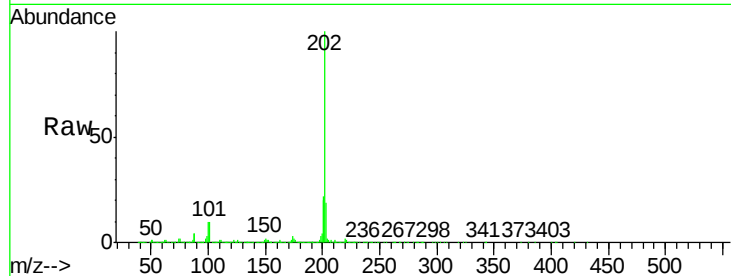
Tgt Ion:202 Resp: 1003040

Ion Ratio Lower Upper

202 100

101 9.9 6.9 10.3

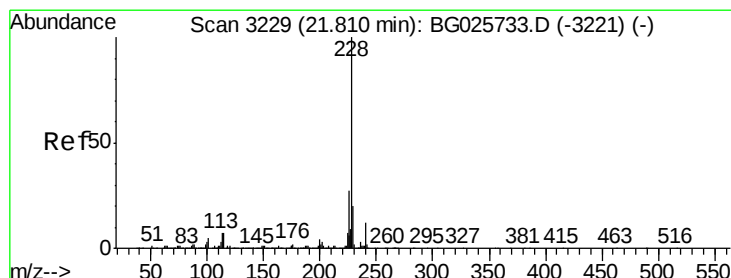
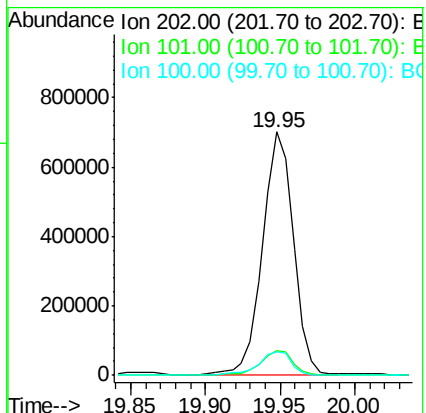
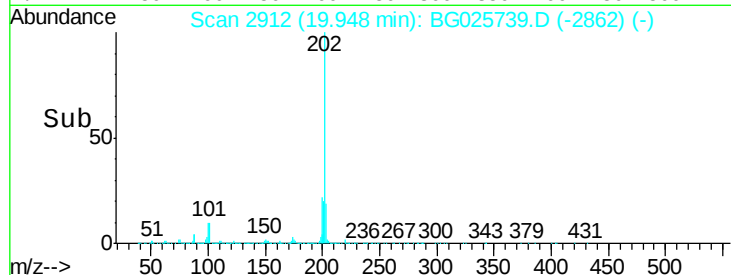
100 9.5 6.6 10.0



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: 16.49 ng/ul

RT: 21.81 min Scan# 3229

Delta R.T. 0.00 min

Lab File: BG025739.D

Acq: 1 Feb 2017 5:39

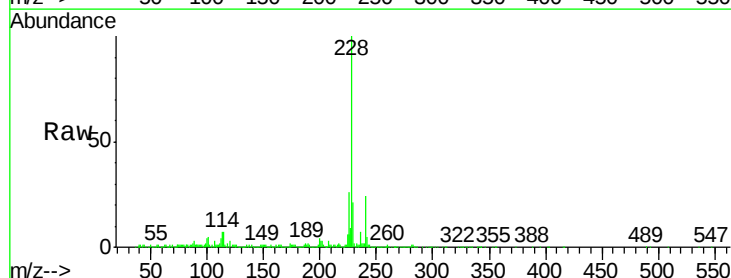
Tgt Ion:228 Resp: 644915

Ion Ratio Lower Upper

228 100

229 21.0 16.3 24.5

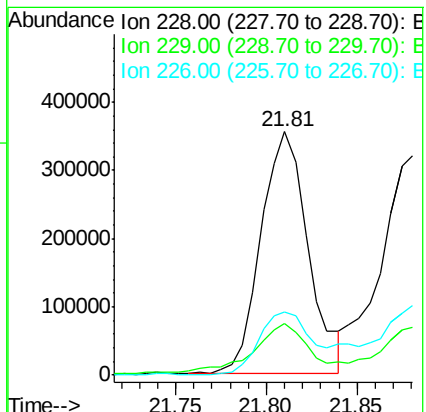
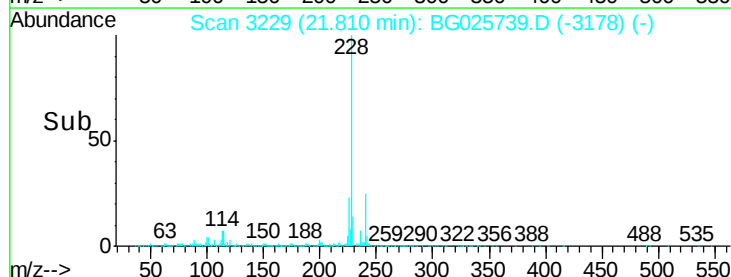
226 26.1 21.9 32.9

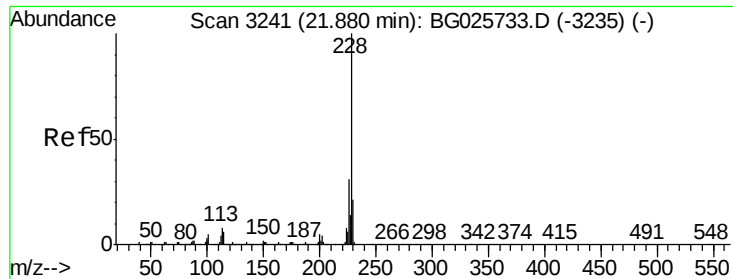


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 17.39 ng/ul

RT: 21.88 min Scan# 3241

Delta R.T. 0.00 min

Lab File: BG025739.D

Acq: 1 Feb 2017 5:39

Instrument :

BNA_G

ClientSampleId :

BDNS5

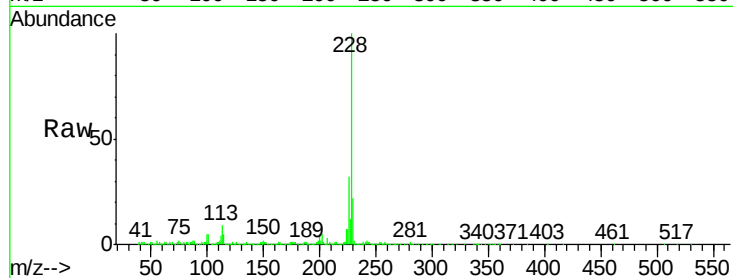
Tgt Ion:228 Resp: 639581

Ion Ratio Lower Upper

228 100

226 31.6 24.0 36.0

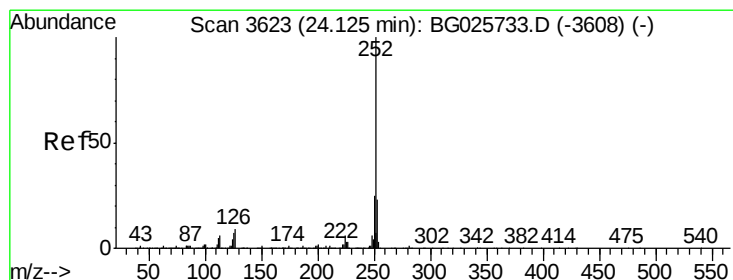
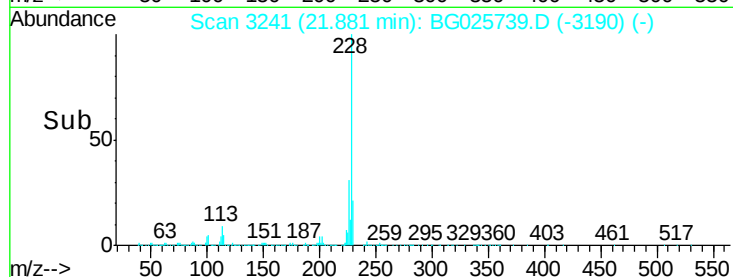
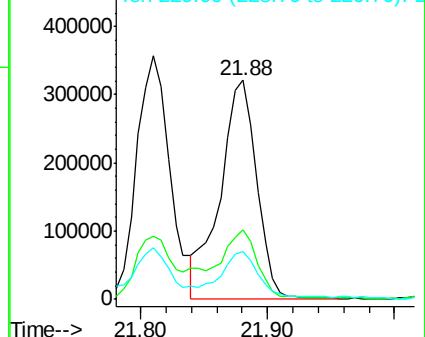
229 21.9 16.9 25.3



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: 20.61 ng/ul

RT: 24.13 min Scan# 3624

Delta R.T. 0.01 min

Lab File: BG025739.D

Acq: 1 Feb 2017 5:39

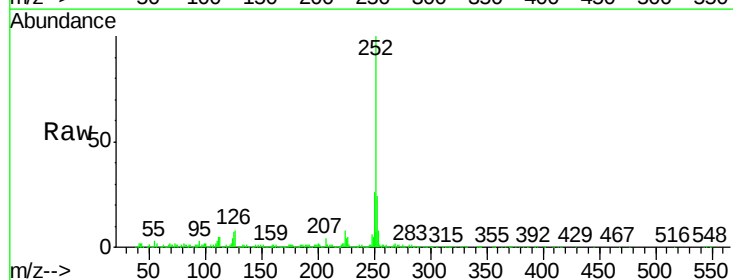
Tgt Ion:252 Resp: 823739

Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

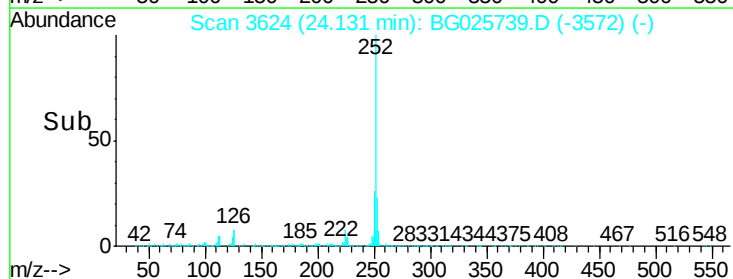
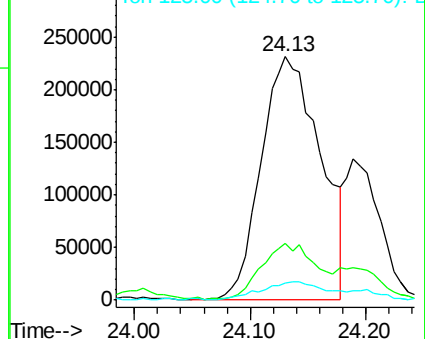
125 7.2 4.0 6.0#

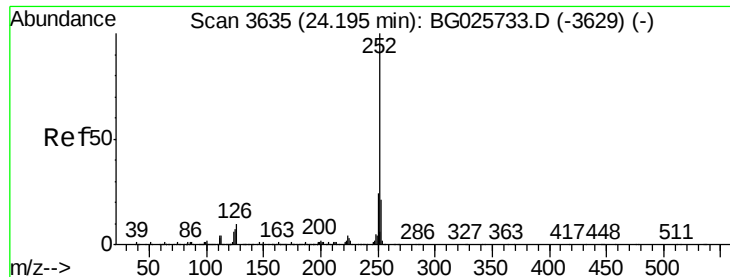


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 7.21 ng/ul

RT: 24.19 min Scan# 3634

Delta R.T. -0.01 min

Lab File: BG025739.D

Acq: 1 Feb 2017 5:39

Instrument :

BNA_G

ClientSampled :

BDNS5

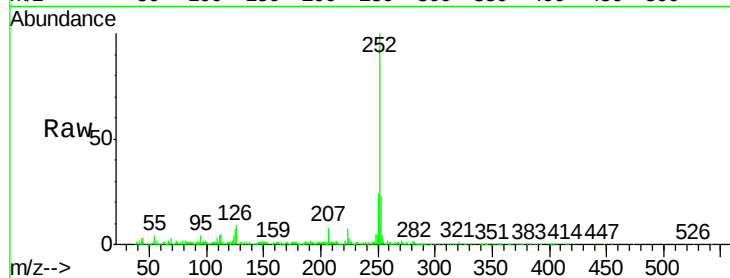
Tgt Ion:252 Resp: 270286

Ion Ratio Lower Upper

252 100

253 22.7 18.5 27.7

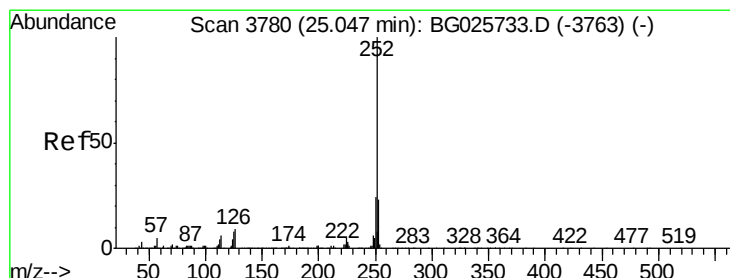
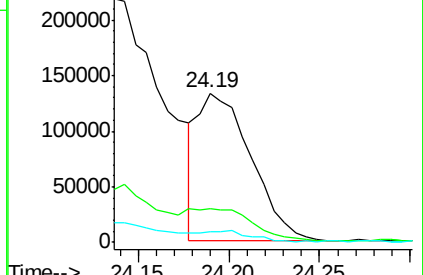
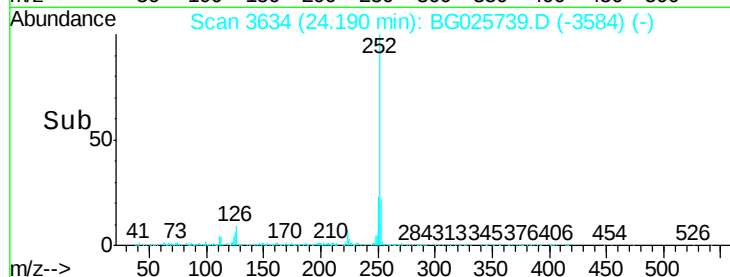
125 6.7 4.1 6.1#



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: 12.76 ng/ul

RT: 25.05 min Scan# 3781

Delta R.T. 0.01 min

Lab File: BG025739.D

Acq: 1 Feb 2017 5:39

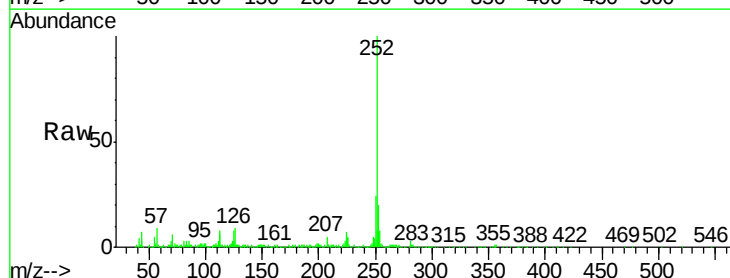
Tgt Ion:252 Resp: 482628

Ion Ratio Lower Upper

252 100

253 19.5 17.8 26.6

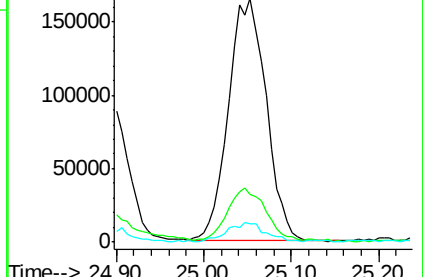
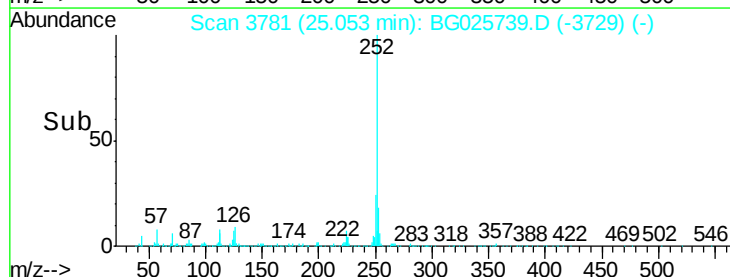
125 7.6 5.4 8.0

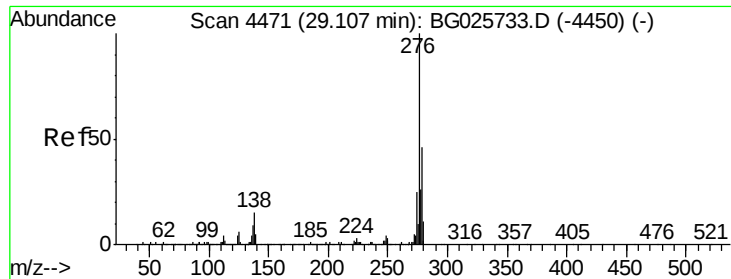


Abundance Ion 252.00 (251.70 to 252.70): E

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: 8.32 ng/ul

RT: 29.10 min Scan# 4470

Delta R.T. -0.01 min

Lab File: BG025739.D

Acq: 1 Feb 2017 5:39

Instrument :

BNA_G

ClientSampleId :

BDNS5

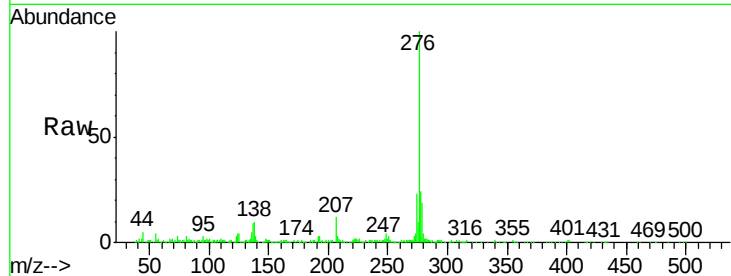
Tgt Ion:276 Resp: 398300

Ion Ratio Lower Upper

276 100

138 10.3 8.2 12.4

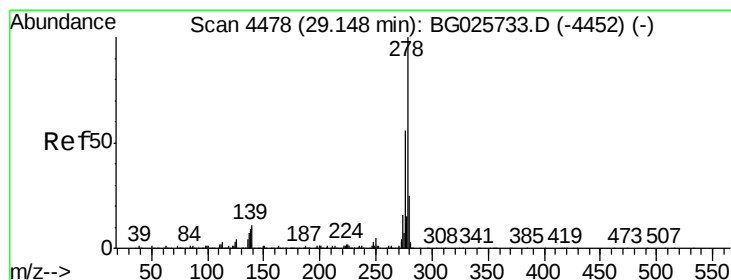
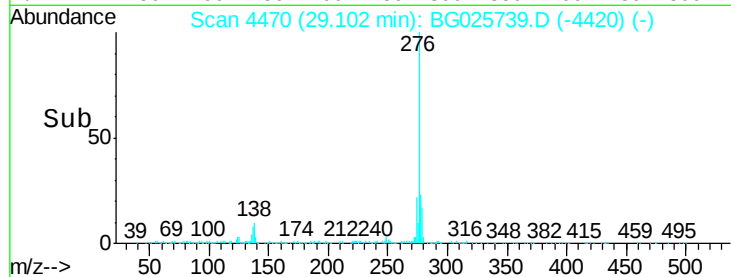
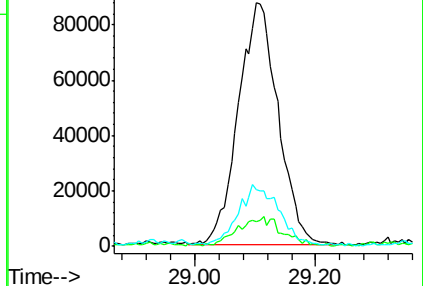
277 23.6 18.6 28.0



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: 1.67 ng/ul

RT: 29.13 min Scan# 4474

Delta R.T. -0.02 min

Lab File: BG025739.D

Acq: 1 Feb 2017 5:39

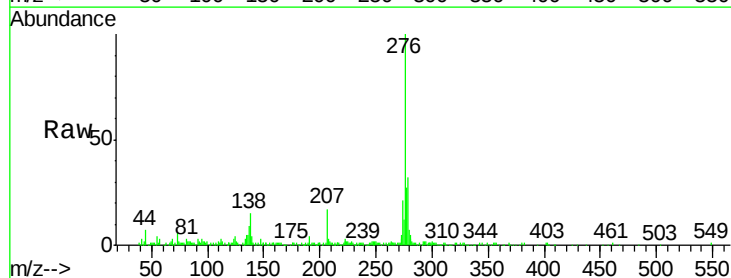
Tgt Ion:278 Resp: 66810

Ion Ratio Lower Upper

278 100

139 14.6 6.7 10.1#

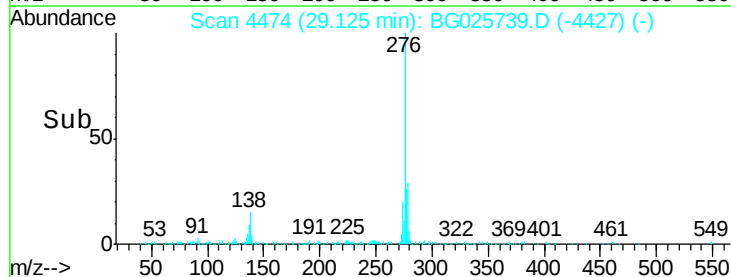
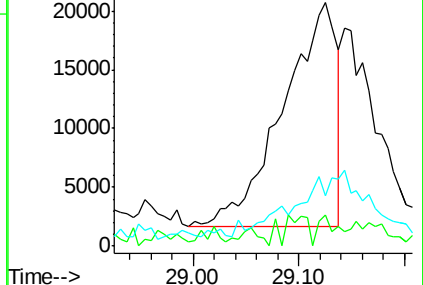
279 20.7 20.9 31.3#

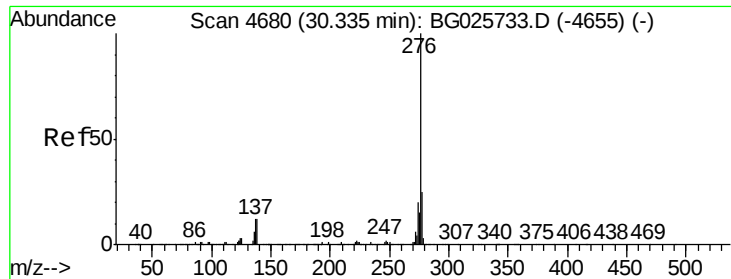


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.27 ng/ul

RT: 30.35 min Scan# 4682

Delta R.T. 0.01 min

Lab File: BG025739.D

Acq: 1 Feb 2017 5:39

Instrument :

BNA_G

ClientSampleId :

BDNS5

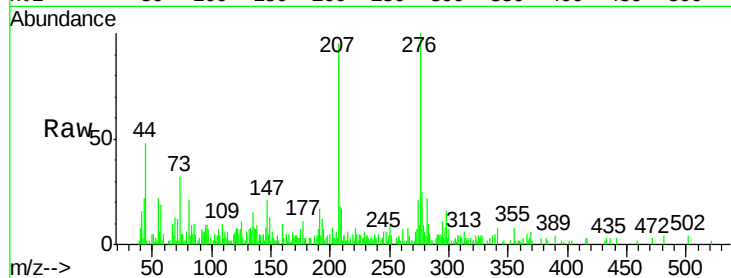
Tgt Ion:276 Resp: 50127

Ion Ratio Lower Upper

276 100

138 8.9 8.6 12.8

277 25.1 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

