

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG013117\
 Data File : BG025737.D
 Acq On : 1 Feb 2017 4:21
 Operator : SJ/MA
 Sample : I1460-15
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BDNS8

Quant Time: Feb 01 05:48:26 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	77596	20.00	ng/ul	0.00
18) Naphthalene-d8	11.00	136	329101	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.80	164	261233	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.54	188	575396	20.00	ng/ul	0.00
75) Chrysene-d12	21.83	240	749238	20.00	ng/ul	0.00
83) Perylene-d12	25.21	264	759525	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.50	96	7457	4.81	ng/uL	0.00
5) Phenol-d5	7.34	99	127491	19.17	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	99178	23.09	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	94644	20.18	ng/ul	0.00
13) 4-Methylphenol-d8	8.89	113	108675	19.22	ng/ul	0.00
19) Nitrobenzene-d5	9.36	128	48871	20.95	ng/ul	0.00
22) 2-Nitrophenol-d4	10.08	143	57553	20.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.63	165	98509	17.94	ng/ul	0.00
29) 4-Chloroaniline-d4	11.15	131	101930	16.61	ng/ul	0.00
43) Dimethylphthalate-d6	14.19	166	393930	21.35	ng/ul	0.00
46) Acenaphthylene-d8	14.50	160	456574	22.91	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	32007	12.66	ng/ul	0.02
57) Fluorene-d10	15.79	176	353387	20.32	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.94	200	63132	17.79	ng/ul	0.00
70) Anthracene-d10	17.64	188	568352	23.20	ng/ul	0.00
76) Pyrene-d10	19.92	212	755415	24.23	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.97	264	684242	21.43	ng/ul	0.00

Target Compounds

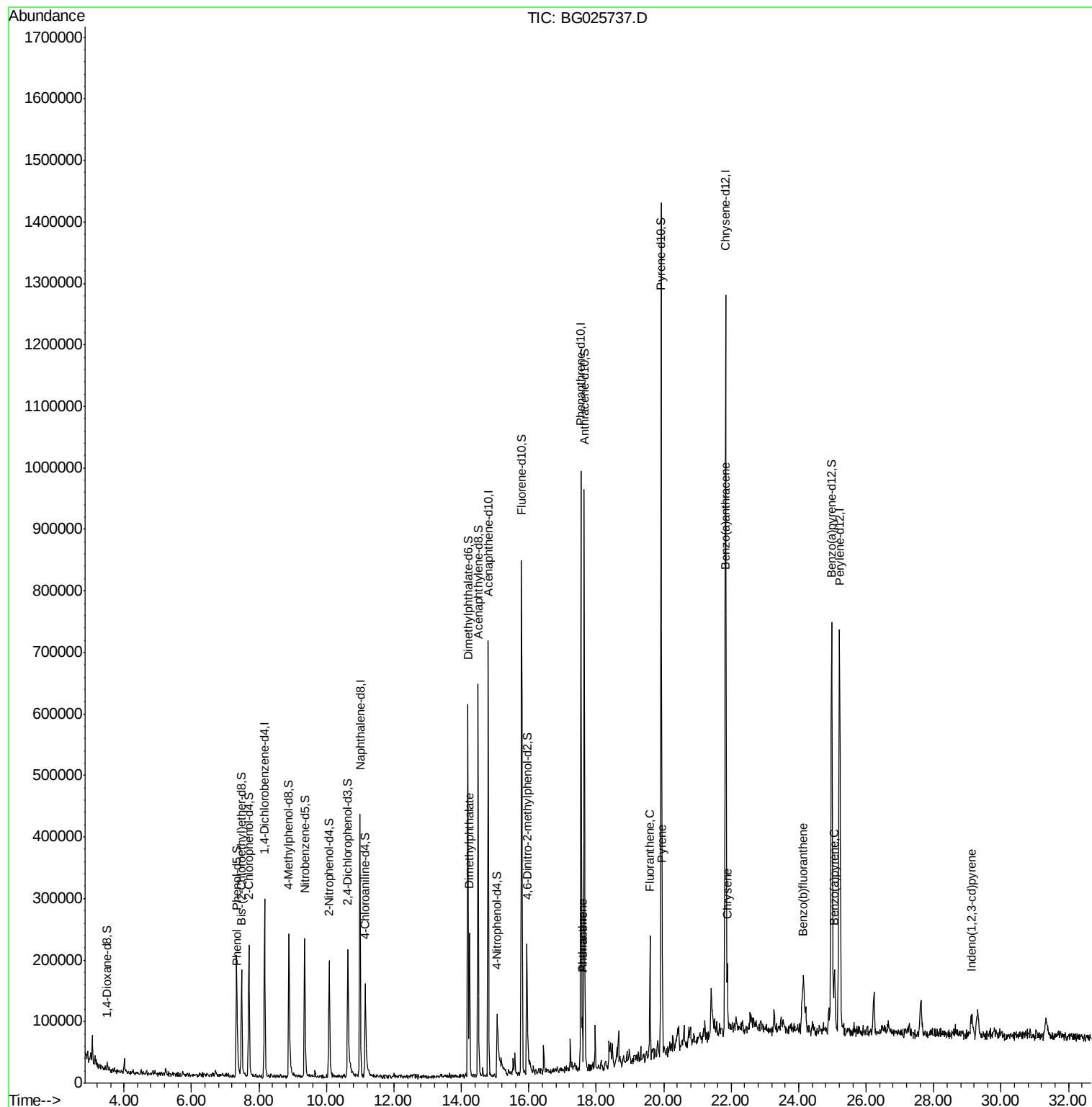
						Qvalue
6) Phenol	7.36	94	21139	3.03	ng/ul	96
44) Dimethylphthalate	14.24	163	145641	8.03	ng/ul	100
69) Phenanthrene	17.59	178	49270	1.76	ng/ul	98
71) Anthracene	17.59	178	49270	1.75	ng/ul	98
74) Fluoranthene	19.59	202	125893	3.81	ng/ul	99
77) Pyrene	19.95	202	125918	3.42	ng/ul	99
80) Benzo(a)anthracene	21.81	228	74323	1.88	ng/ul	96
82) Chrysene	21.88	228	82909	2.23	ng/ul	97
85) Benzo(b)fluoranthene	24.13	252	119168	3.03	ng/ul#	95
88) Benzo(a)pyrene	25.05	252	60514	1.63	ng/ul#	92
89) Indeno(1,2,3-cd)pyrene	29.13	276	51076	1.08	ng/ul#	90

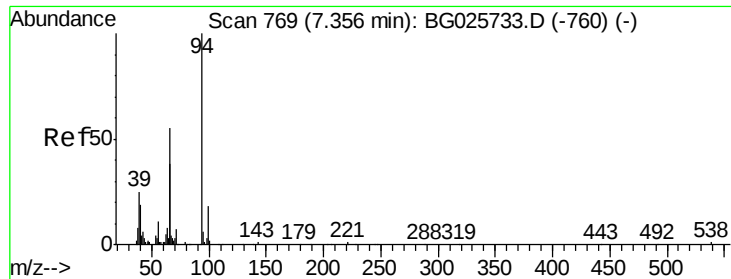
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 3.03 ng/ul

RT: 7.36 min Scan# 769

Delta R.T. 0.00 min

Lab File: BG025737.D

Acq: 1 Feb 2017 4:21

Instrument :

BNA_G

ClientSampleId :

BDNS8

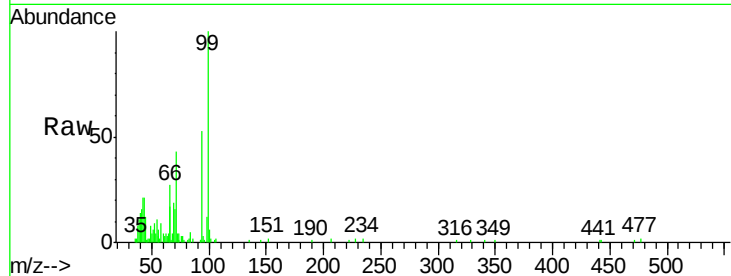
Tgt Ion: 94 Resp: 21139

Ion Ratio Lower Upper

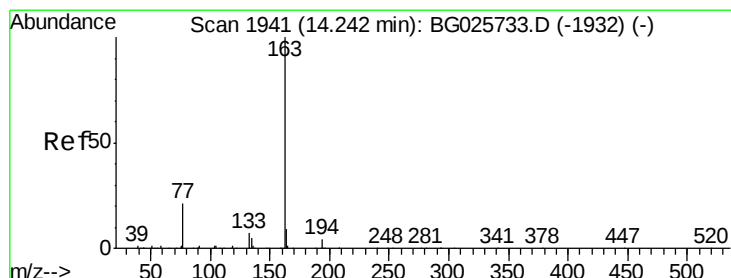
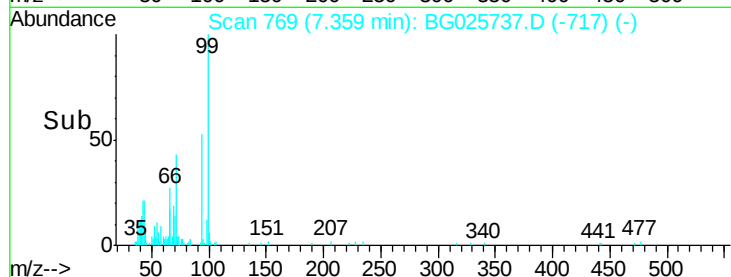
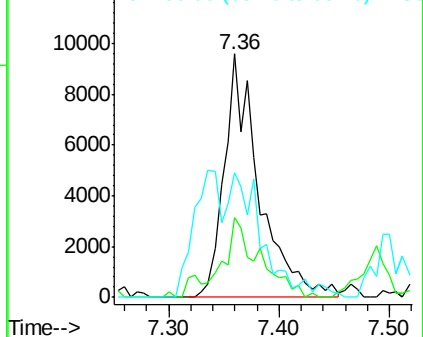
94 100

65 32.8 26.8 40.2

66 51.2 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: 8.03 ng/ul

RT: 14.24 min Scan# 1940

Delta R.T. -0.00 min

Lab File: BG025737.D

Acq: 1 Feb 2017 4:21

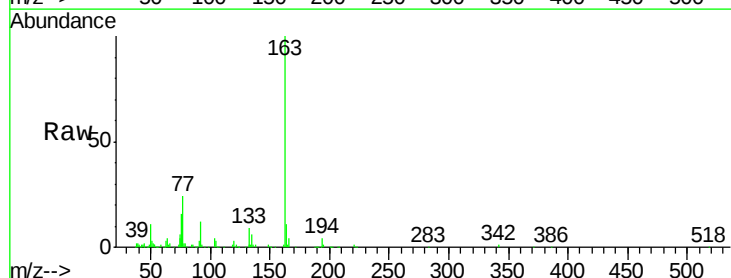
Tgt Ion: 163 Resp: 145641

Ion Ratio Lower Upper

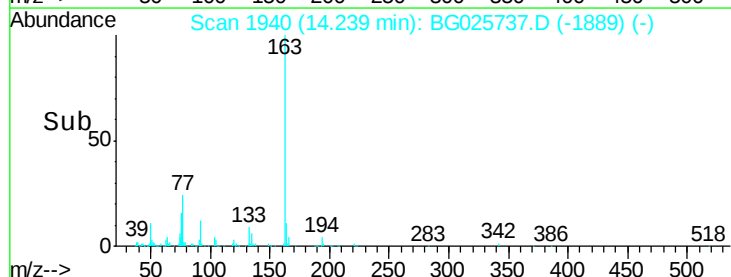
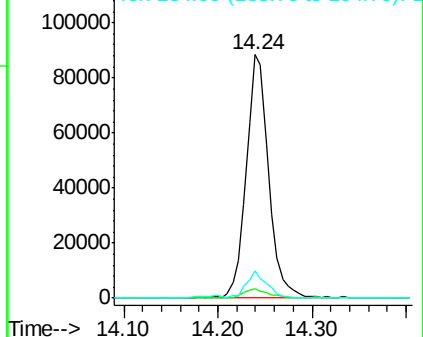
163 100

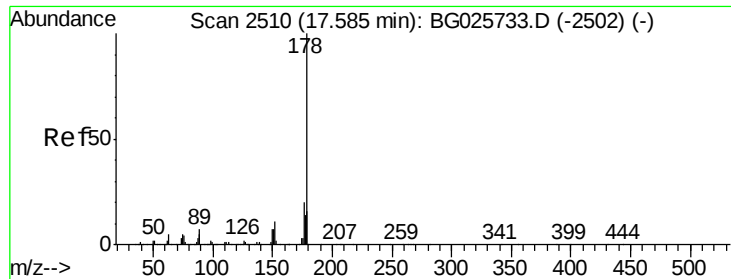
194 3.9 3.4 5.0

164 11.1 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





#69

Phenanthrene

Concen: 1.76 ng/ul

RT: 17.59 min Scan# 2510

Delta R.T. 0.00 min

Lab File: BG025737.D

Acq: 1 Feb 2017 4:21

Instrument :

BNA_G

ClientSampleId :

BDNS8

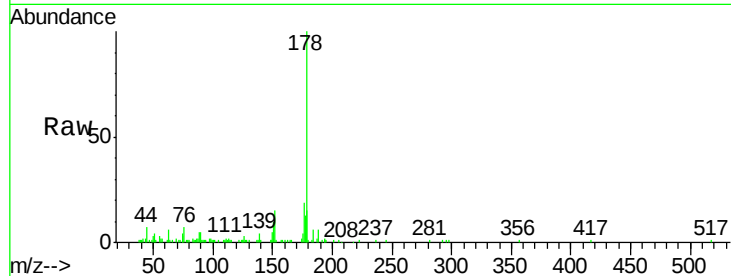
Tgt Ion:178 Resp: 49270

Ion Ratio Lower Upper

178 100

179 15.1 12.4 18.6

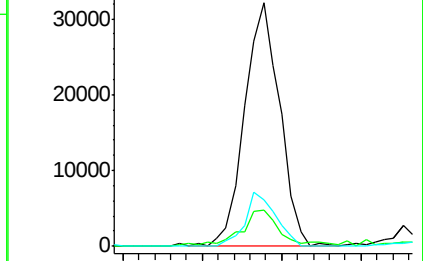
176 19.1 16.5 24.7



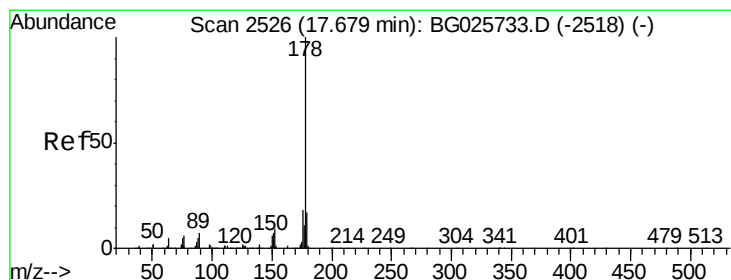
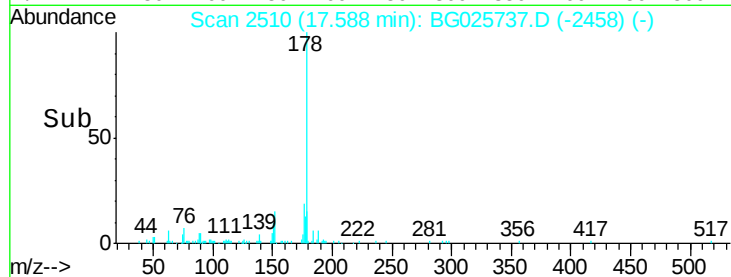
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.50 17.55 17.60 17.65



#71

Anthracene

Concen: 1.75 ng/ul

RT: 17.59 min Scan# 2510

Delta R.T. -0.09 min

Lab File: BG025737.D

Acq: 1 Feb 2017 4:21

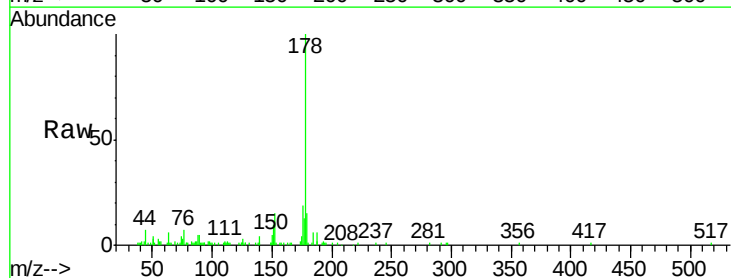
Tgt Ion:178 Resp: 49270

Ion Ratio Lower Upper

178 100

179 15.1 12.6 19.0

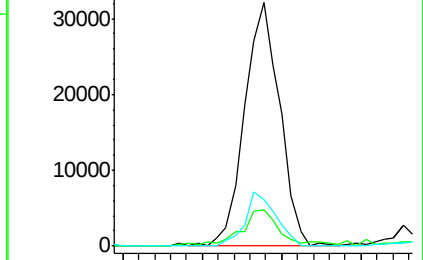
176 19.1 15.9 23.9



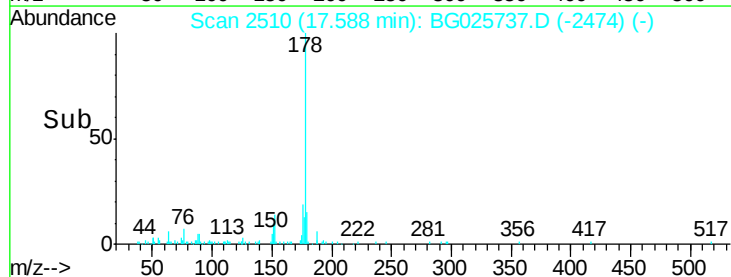
Abundance Ion 178.00 (177.70 to 178.70): E

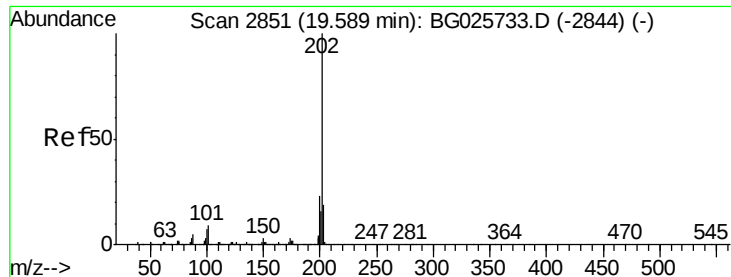
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time--> 17.50 17.55 17.60 17.65





#74

Fluoranthene

Concen: 3.81 ng/ul

RT: 19.59 min Scan# 2851

Delta R.T. 0.00 min

Lab File: BG025737.D

Acq: 1 Feb 2017 4:21

Instrument :

BNA_G

ClientSampleId :

BDNS8

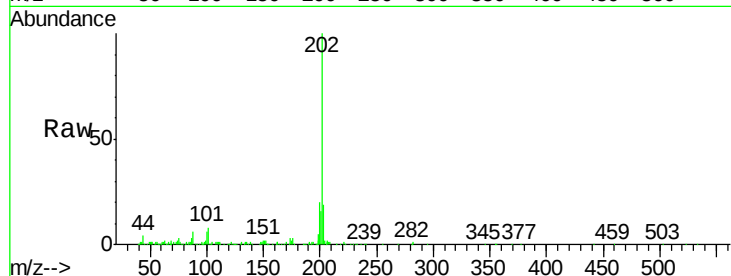
Tgt Ion:202 Resp: 125893

Ion Ratio Lower Upper

202 100

101 7.8 6.2 9.2

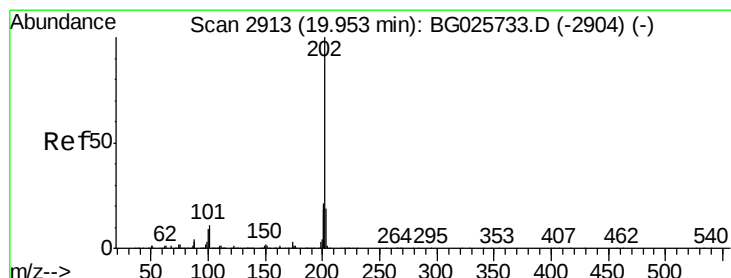
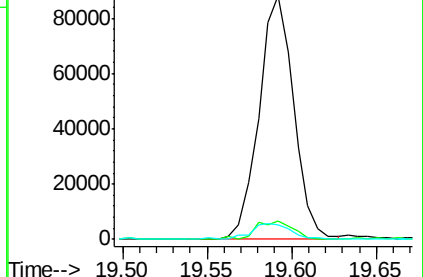
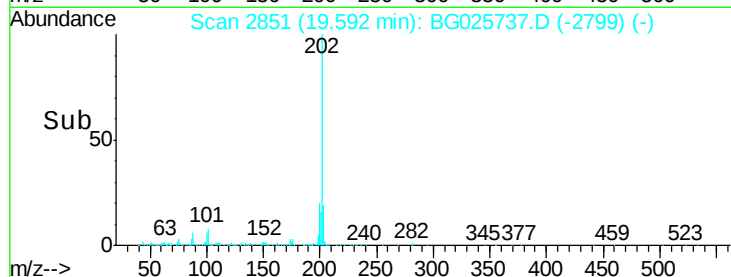
100 5.9 5.2 7.8



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: 3.42 ng/ul

RT: 19.95 min Scan# 2912

Delta R.T. -0.00 min

Lab File: BG025737.D

Acq: 1 Feb 2017 4:21

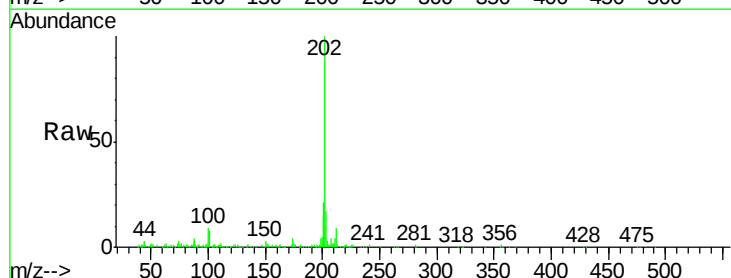
Tgt Ion:202 Resp: 125918

Ion Ratio Lower Upper

202 100

101 8.0 6.9 10.3

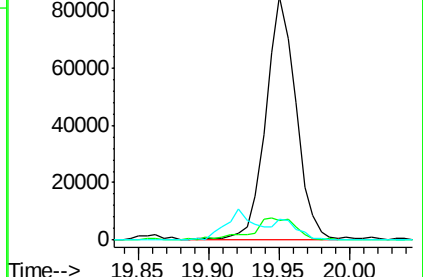
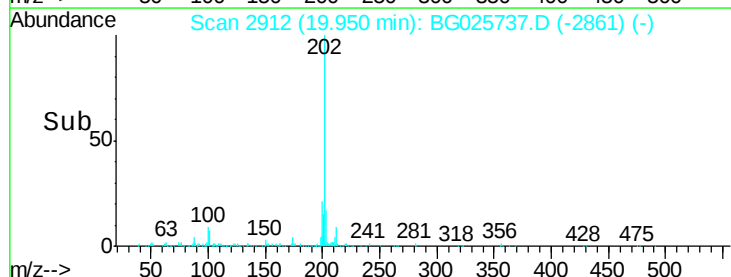
100 8.7 6.6 10.0

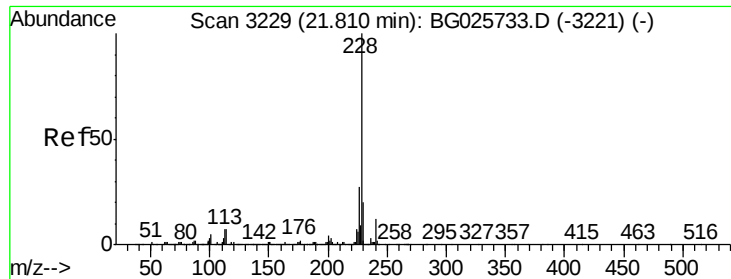


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 1.88 ng/ul

RT: 21.81 min Scan# 3229

Delta R.T. 0.00 min

Lab File: BG025737.D

Acq: 1 Feb 2017 4:21

Instrument :

BNA_G

ClientSampleId :

BDNS8

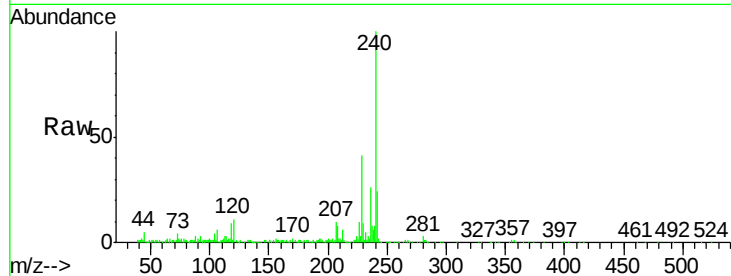
Tgt Ion:228 Resp: 74323

Ion Ratio Lower Upper

228 100

229 22.6 16.3 24.5

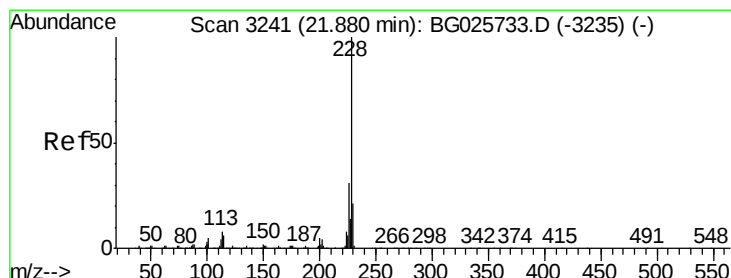
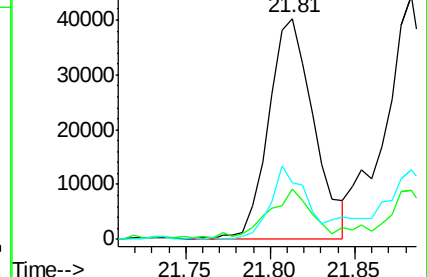
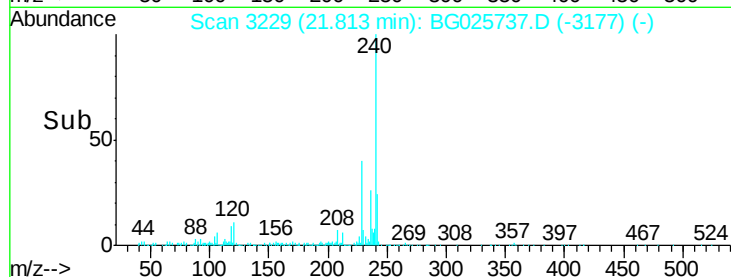
226 25.5 21.9 32.9



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: 2.23 ng/ul

RT: 21.88 min Scan# 3241

Delta R.T. 0.00 min

Lab File: BG025737.D

Acq: 1 Feb 2017 4:21

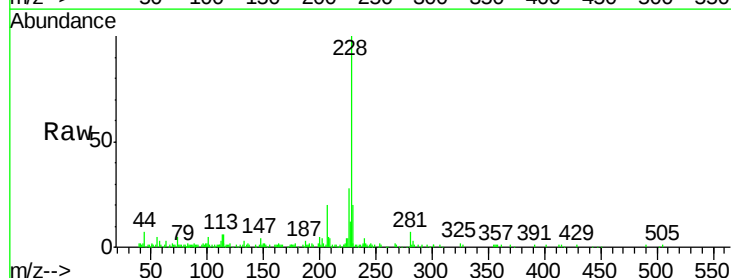
Tgt Ion:228 Resp: 82909

Ion Ratio Lower Upper

228 100

226 28.4 24.0 36.0

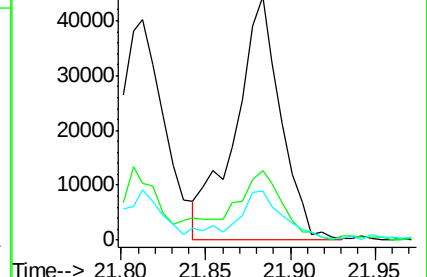
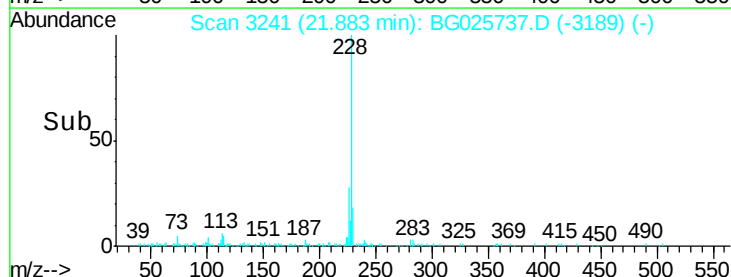
229 20.1 16.9 25.3

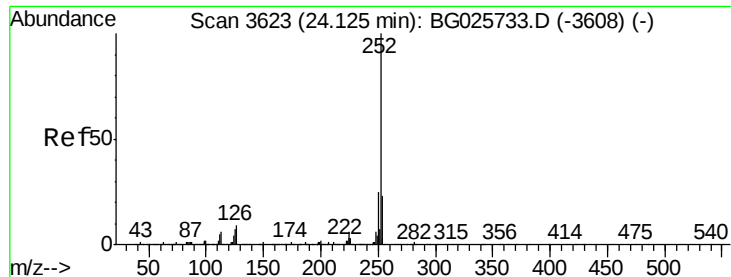


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 3.03 ng/ul

RT: 24.13 min Scan# 3624

Delta R.T. 0.01 min

Lab File: BG025737.D

Acq: 1 Feb 2017 4:21

Instrument :

BNA_G

ClientSampleId :

BDNS8

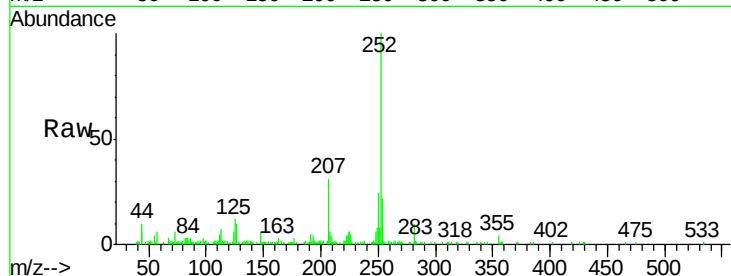
Tgt Ion:252 Resp: 119168

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

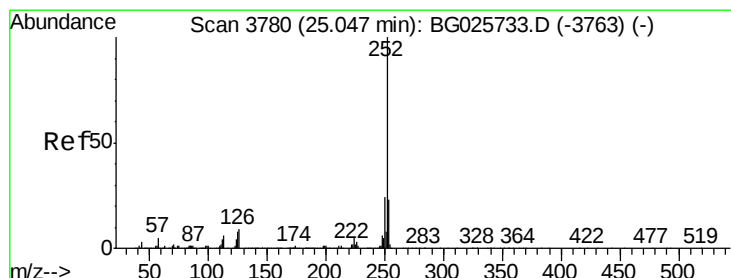
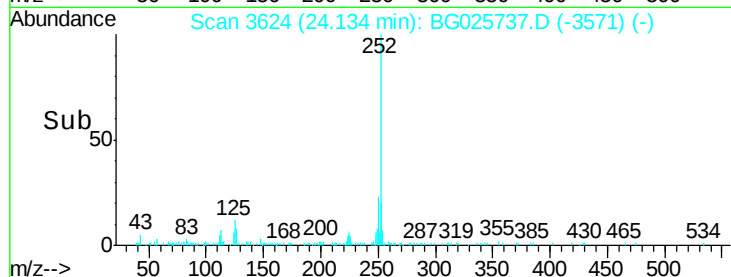
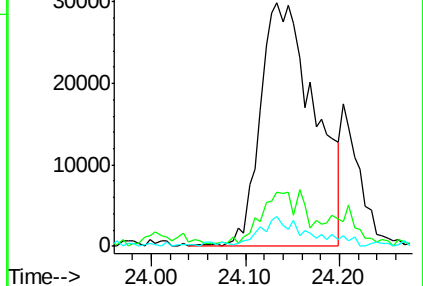
125 12.3 4.0 6.0#



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



#88

Benzo(a)pyrene

Concen: 1.63 ng/ul

RT: 25.05 min Scan# 3780

Delta R.T. 0.00 min

Lab File: BG025737.D

Acq: 1 Feb 2017 4:21

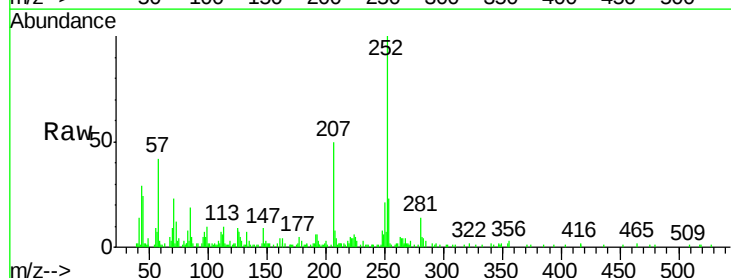
Tgt Ion:252 Resp: 60514

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

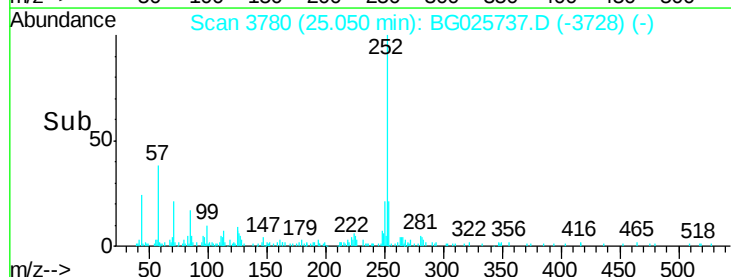
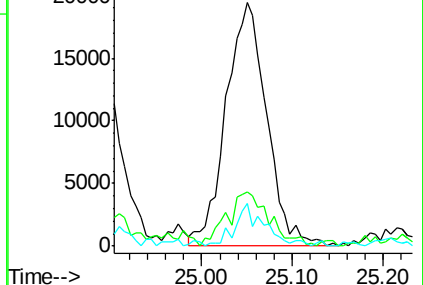
125 17.3 5.4 8.0#

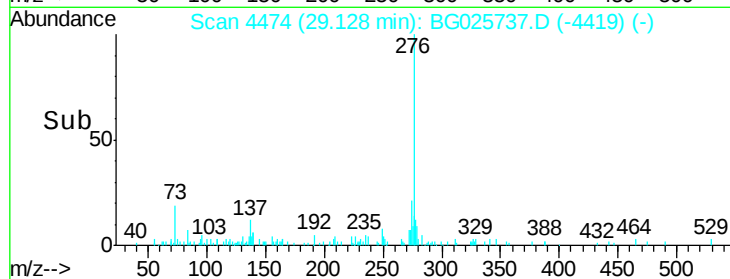
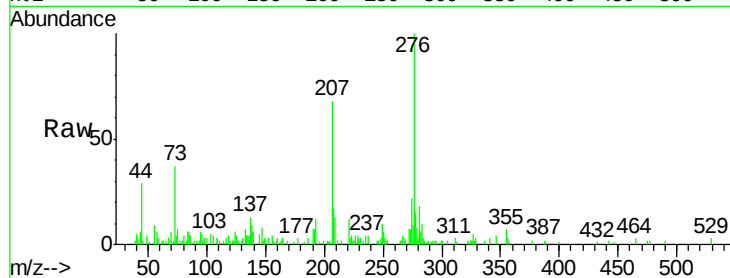
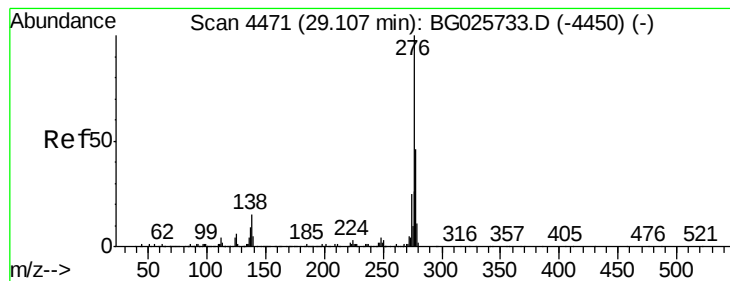


Abundance Ion 252.00 (251.70 to 252.70): E

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: 1.08 ng/ul

RT: 29.13 min Scan# 4474

Delta R.T. 0.02 min

Lab File: BG025737.D

Acq: 1 Feb 2017 4:21

Instrument :

BNA_G

ClientSampleId :

BDNS8

Tgt Ion: 276 Resp: 51076

Ion Ratio Lower Upper

276 100

138 8.5 8.2 12.4

277 17.2 18.6 28.0#

