

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG013117\
 Data File : BG025740.D
 Acq On : 1 Feb 2017 6:18
 Operator : SJ/MA
 Sample : I1460-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BDNT4

Quant Time: Feb 01 07:25:29 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	101092	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	436758	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	323964	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.54	188	691539	20.00	ng/ul	0.00
75) Chrysene-d12	21.83	240	835004	20.00	ng/ul	0.00
83) Perylene-d12	25.21	264	867068	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.38	96	70	0.03	ng/uL	-0.12
5) Phenol-d5	7.33	99	242345	27.97	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	176988	31.63	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	181108	29.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.88	113	178290	24.21	ng/ul	0.00
19) Nitrobenzene-d5	9.35	128	90176	29.13	ng/ul	0.00
22) 2-Nitrophenol-d4	10.08	143	112105	30.35	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.63	165	206934	28.40	ng/ul	0.00
29) 4-Chloroaniline-d4	11.15	131	179422	22.03	ng/ul	0.00
43) Dimethylphthalate-d6	14.19	166	713441	31.19	ng/ul	0.00
46) Acenaphthylene-d8	14.50	160	817000	33.06	ng/ul	0.00
51) 4-Nitrophenol-d4	15.04	143	76272	24.33	ng/ul	0.00
57) Fluorene-d10	15.79	176	657444	30.49	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.93	200	96633	22.65	ng/ul	0.00
70) Anthracene-d10	17.64	188	985812	33.48	ng/ul	0.00
76) Pyrene-d10	19.92	212	1227537	35.33	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.97	264	1121006	30.76	ng/ul	0.00

Target Compounds

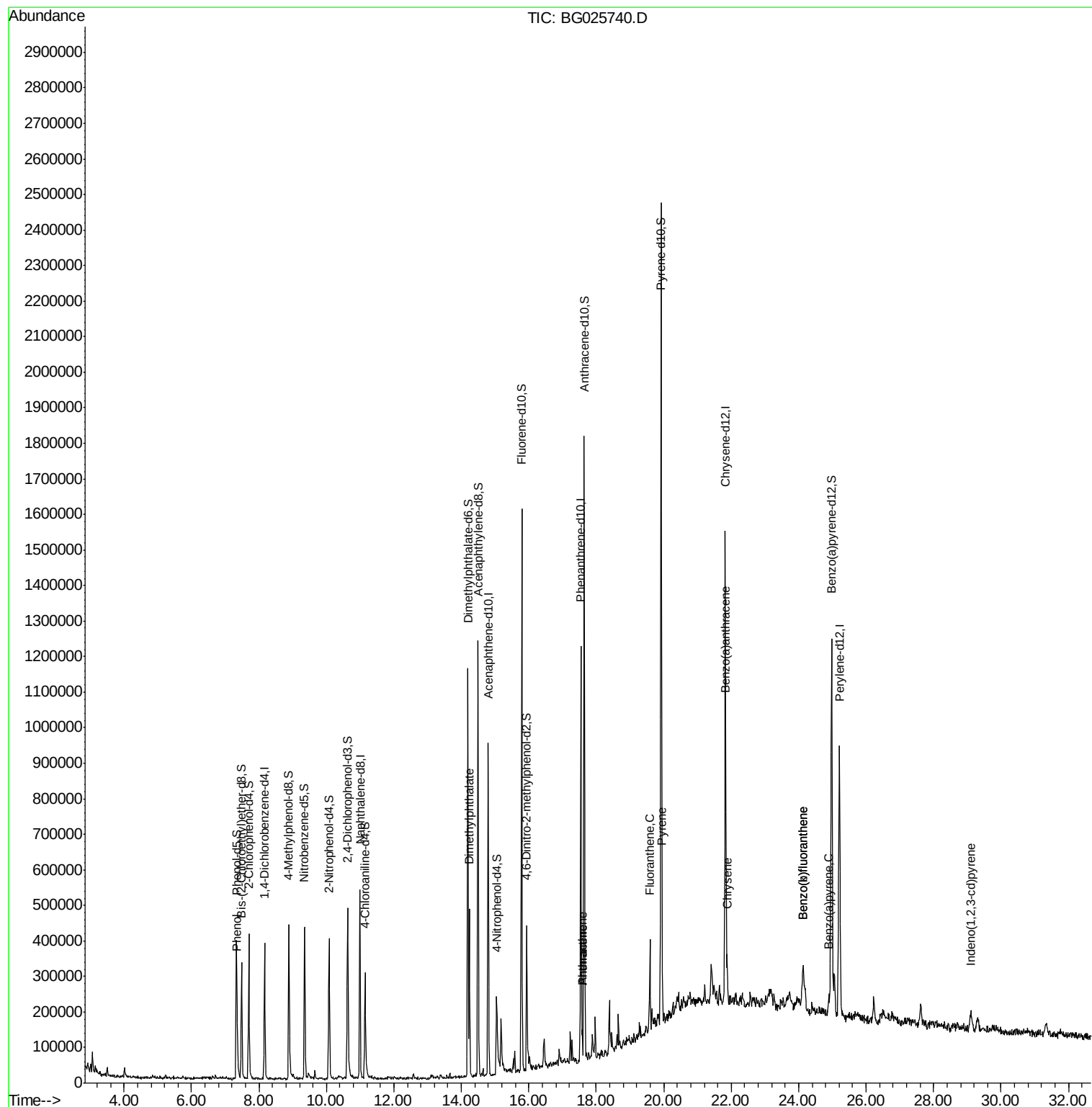
						Qvalue
6) Phenol	7.35	94	44395	4.88	ng/ul	94
44) Dimethylphthalate	14.24	163	281569	12.52	ng/ul#	98
69) Phenanthrene	17.59	178	46006	1.37	ng/ul#	94
71) Anthracene	17.59	178	45791	1.36	ng/ul	95
74) Fluoranthene	19.59	202	169270	4.27	ng/ul	98
77) Pyrene	19.95	202	164416	4.00	ng/ul#	94
80) Benzo(a)anthracene	21.81	228	96474	2.19	ng/ul	96
82) Chrysene	21.87	228	108139	2.61	ng/ul	95
85) Benzo(b)fluoranthene	24.14	252	153867	3.43	ng/ul	98
86) Benzo(k)fluoranthene	24.14	252	153867	3.66	ng/ul	97
88) Benzo(a)pyrene	24.89	252	57241	1.35	ng/ul	95
89) Indeno(1,2,3-cd)pyrene	29.11	276	76975	1.43	ng/ul#	95

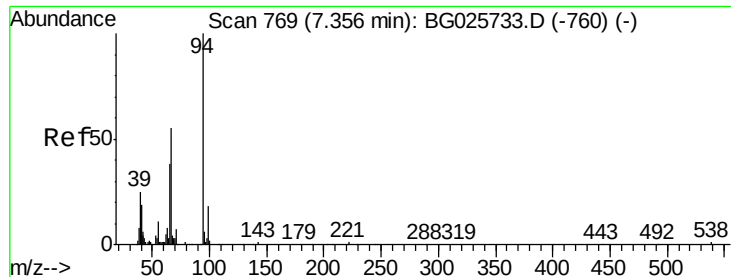
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 4.88 ng/ul

RT: 7.35 min Scan# 768

Delta R.T. -0.01 min

Lab File: BG025740.D

Acq: 1 Feb 2017 6:18

Instrument :

BNA_G

ClientSampleId :

BDNT4

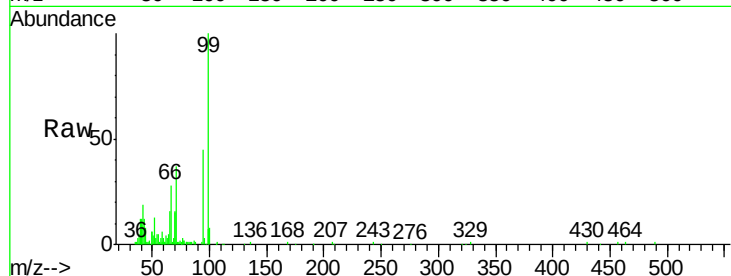
Tgt Ion: 94 Resp: 44395

Ion Ratio Lower Upper

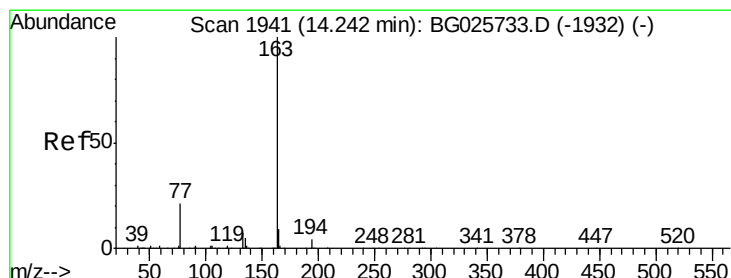
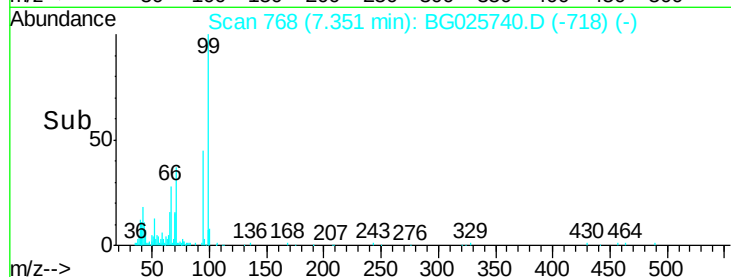
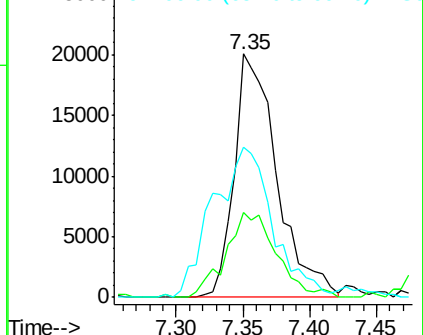
94 100

65 34.6 26.8 40.2

66 61.5 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: 12.52 ng/ul

RT: 14.24 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BG025740.D

Acq: 1 Feb 2017 6:18

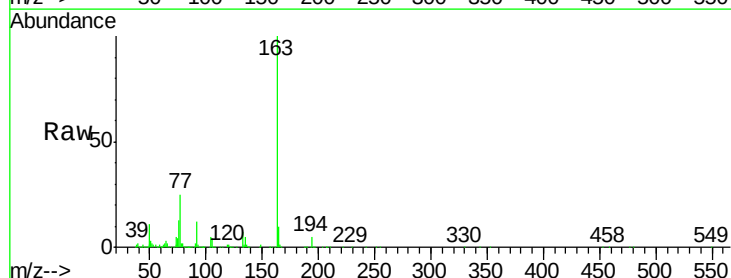
Tgt Ion: 163 Resp: 281569

Ion Ratio Lower Upper

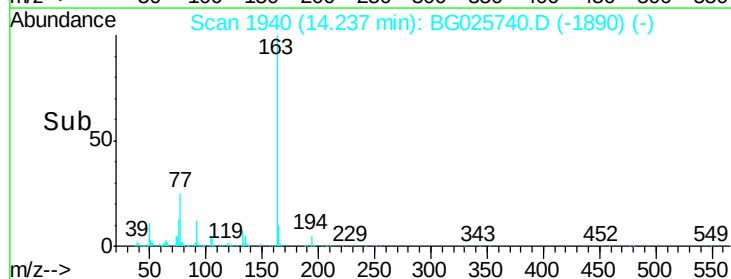
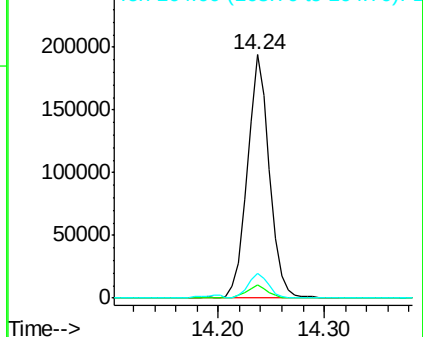
163 100

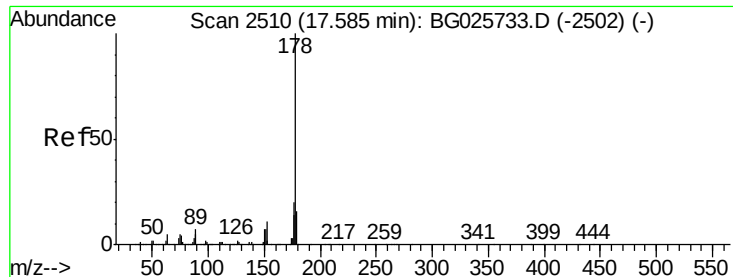
194 5.3 3.4 5.0#

164 10.4 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: 1.37 ng/ul

RT: 17.59 min Scan# 2510

Delta R.T. 0.00 min

Lab File: BG025740.D

Acq: 1 Feb 2017 6:18

Instrument :

BNA_G

ClientSampleId :

BDNT4

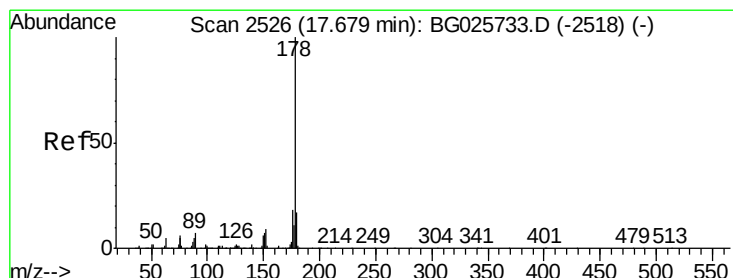
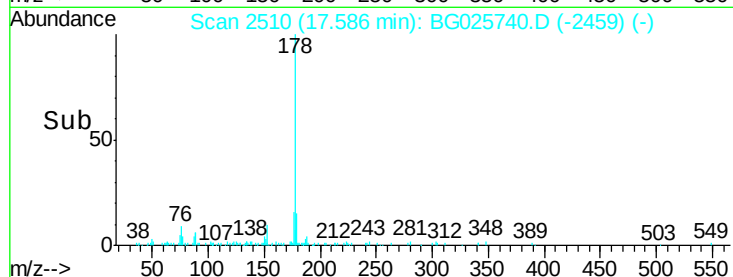
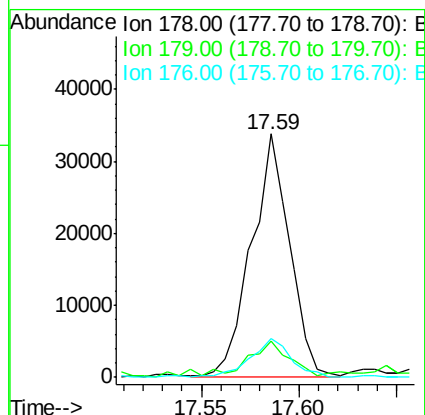
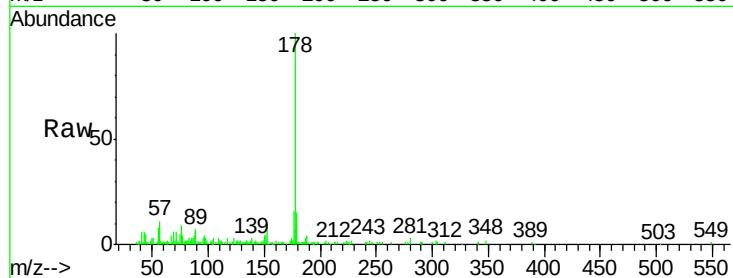
Tgt Ion:178 Resp: 46006

Ion Ratio Lower Upper

178 100

179 15.0 12.4 18.6

176 16.1 16.5 24.7#



#71

Anthracene

Concen: 1.36 ng/ul

RT: 17.59 min Scan# 2510

Delta R.T. -0.09 min

Lab File: BG025740.D

Acq: 1 Feb 2017 6:18

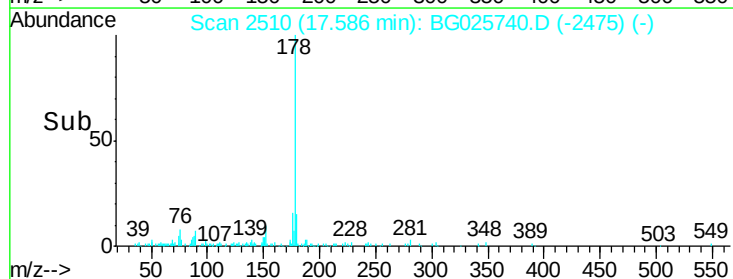
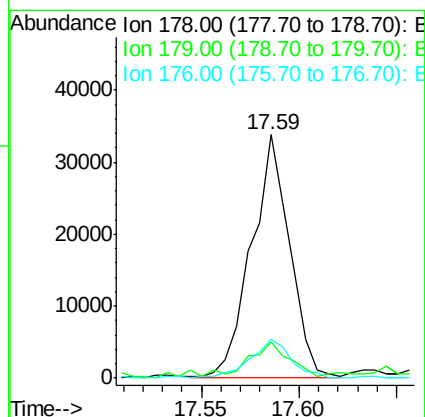
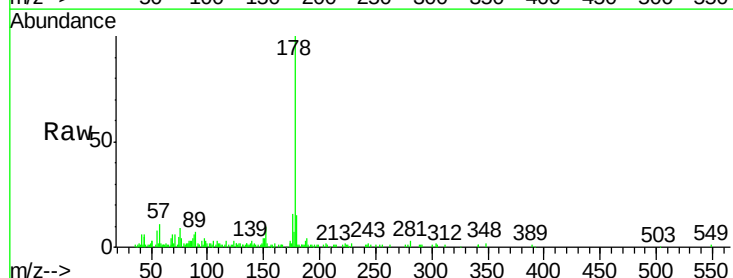
Tgt Ion:178 Resp: 45791

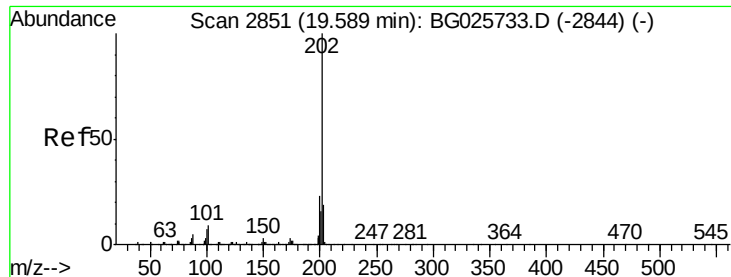
Ion Ratio Lower Upper

178 100

179 15.0 12.6 19.0

176 16.1 15.9 23.9





#74

Fluoranthene

Concen: 4.27 ng/ul

RT: 19.59 min Scan# 2851

Delta R.T. 0.00 min

Lab File: BG025740.D

Acq: 1 Feb 2017 6:18

Instrument :

BNA_G

ClientSampleId :

BDNT4

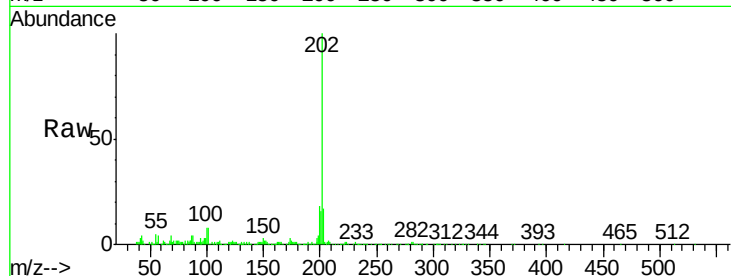
Tgt Ion:202 Resp: 169270

Ion Ratio Lower Upper

202 100

101 7.5 6.2 9.2

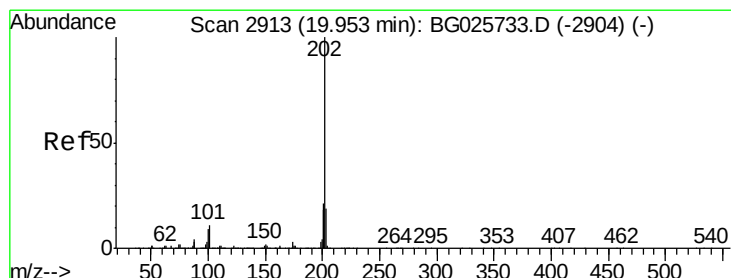
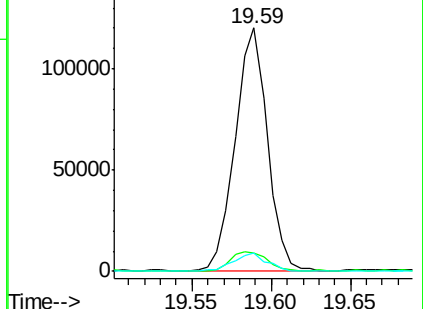
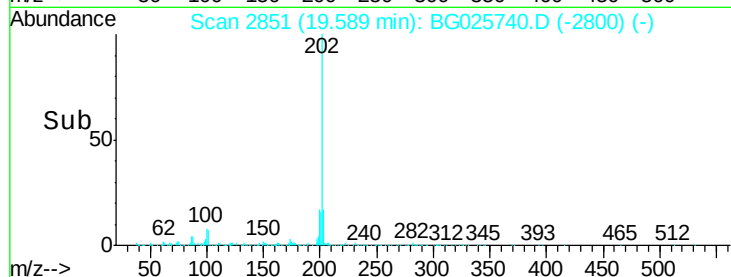
100 7.5 5.2 7.8



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: 4.00 ng/ul

RT: 19.95 min Scan# 2912

Delta R.T. -0.01 min

Lab File: BG025740.D

Acq: 1 Feb 2017 6:18

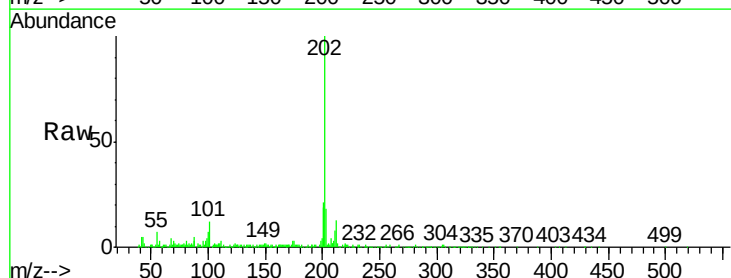
Tgt Ion:202 Resp: 164416

Ion Ratio Lower Upper

202 100

101 11.8 6.9 10.3#

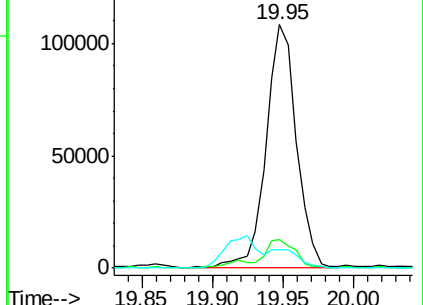
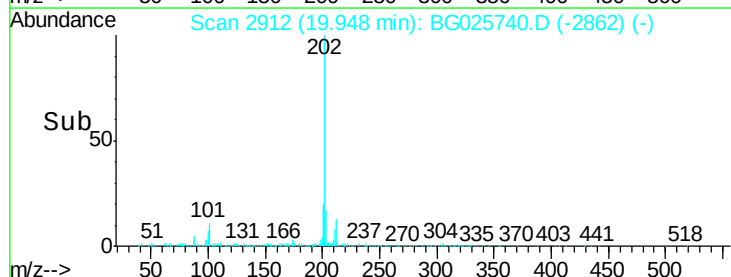
100 7.4 6.6 10.0

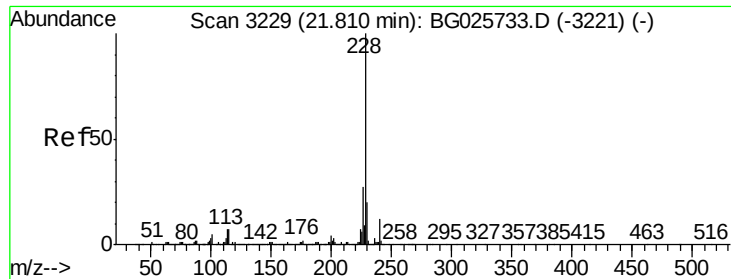


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 2.19 ng/ul

RT: 21.81 min Scan# 3229

Delta R.T. 0.00 min

Lab File: BG025740.D

Acq: 1 Feb 2017 6:18

Instrument :

BNA_G

ClientSampleId :

BDNT4

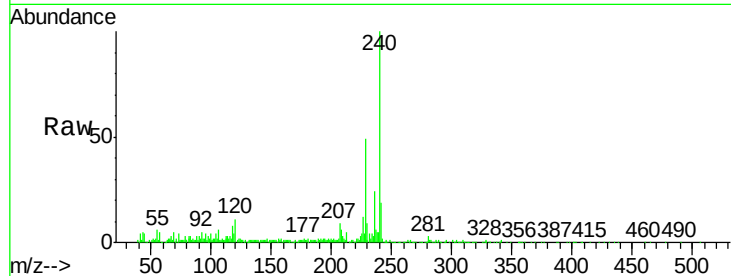
Tgt Ion:228 Resp: 96474

Ion Ratio Lower Upper

228 100

229 18.2 16.3 24.5

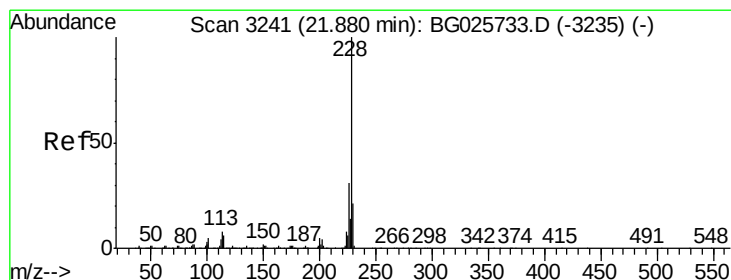
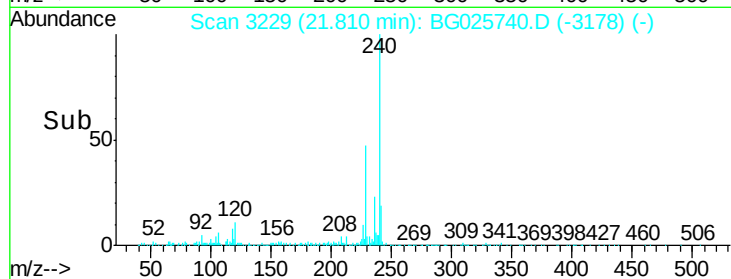
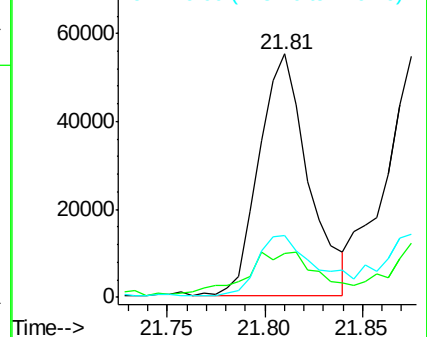
226 25.2 21.9 32.9



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: 2.61 ng/ul

RT: 21.87 min Scan# 3240

Delta R.T. -0.01 min

Lab File: BG025740.D

Acq: 1 Feb 2017 6:18

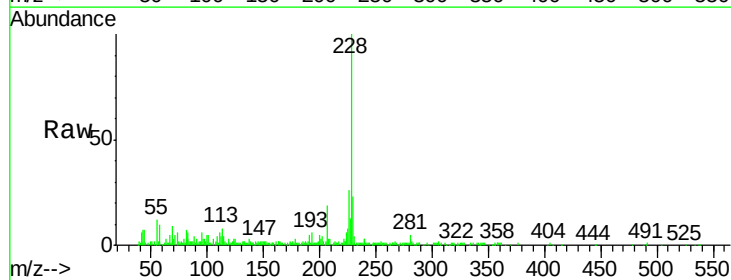
Tgt Ion:228 Resp: 108139

Ion Ratio Lower Upper

228 100

226 26.3 24.0 36.0

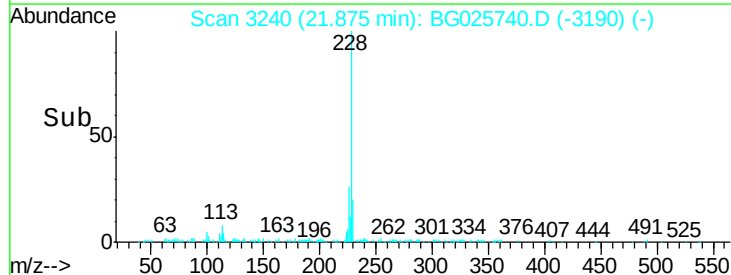
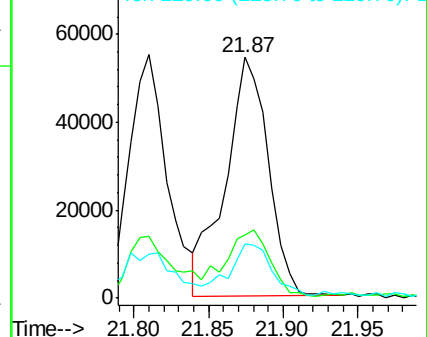
229 22.5 16.9 25.3

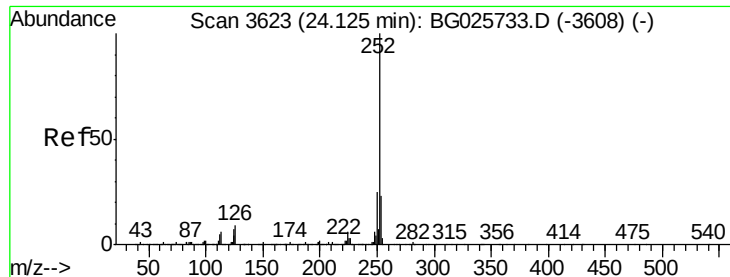


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 3.43 ng/ul

RT: 24.14 min Scan# 3625

Delta R.T. 0.01 min

Lab File: BG025740.D

Acq: 1 Feb 2017 6:18

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ClientSampleId :

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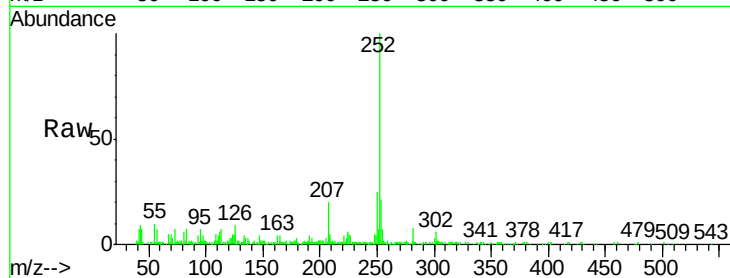
Tgt Ion:252 Resp: 153867

Ion Ratio Lower Upper

252 100

253 21.1 17.7 26.5

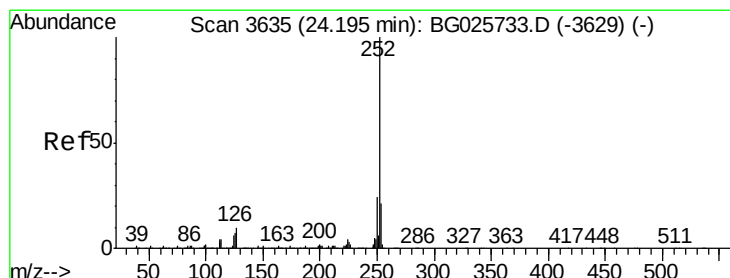
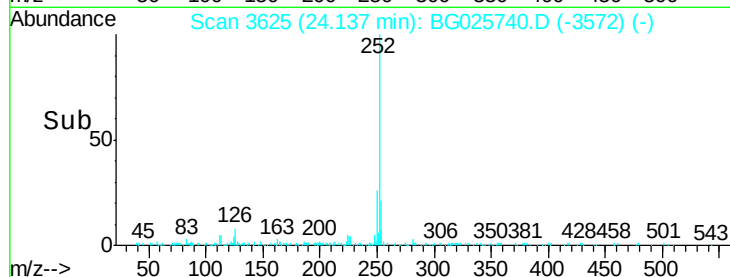
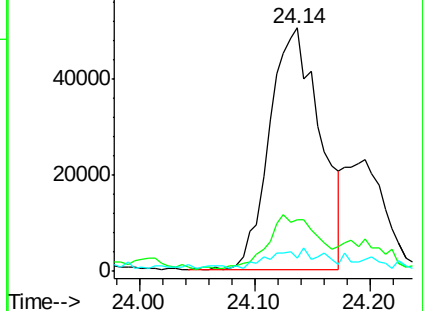
125 5.4 4.0 6.0



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: 3.66 ng/ul

RT: 24.14 min Scan# 3625

Delta R.T. -0.06 min

Lab File: BG025740.D

Acq: 1 Feb 2017 6:18

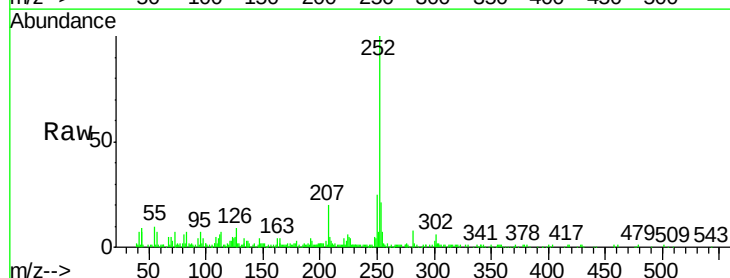
Tgt Ion:252 Resp: 153867

Ion Ratio Lower Upper

252 100

253 21.1 18.5 27.7

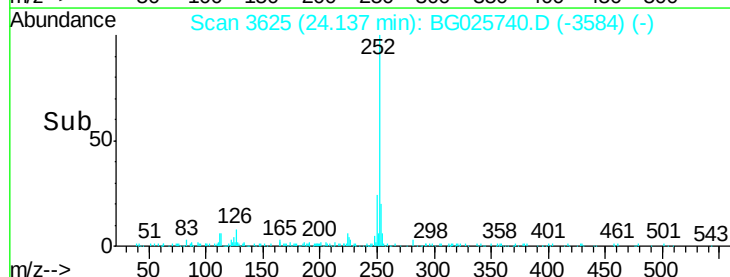
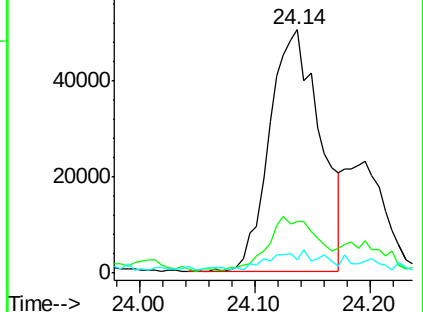
125 5.4 4.1 6.1

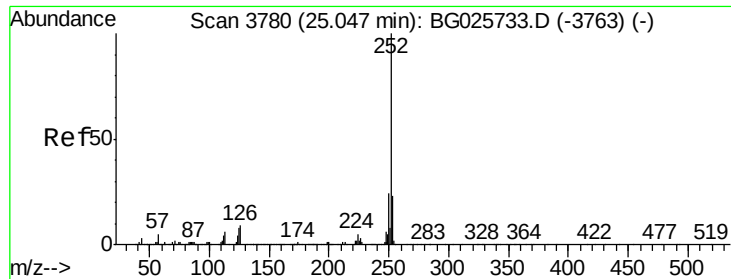


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 1.35 ng/ul

RT: 24.89 min Scan# 3754

Delta R.T. -0.15 min

Lab File: BG025740.D

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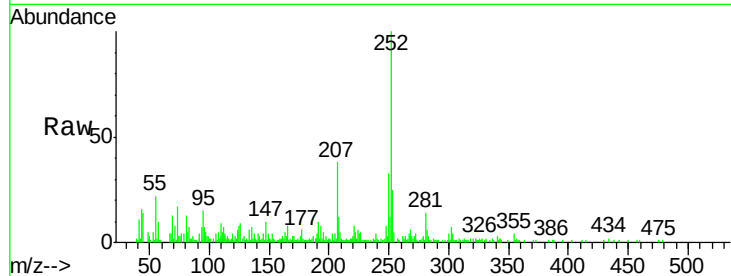
Tgt Ion:252 Resp: 57241

Ion Ratio Lower Upper

252 100

253 24.6 17.8 26.6

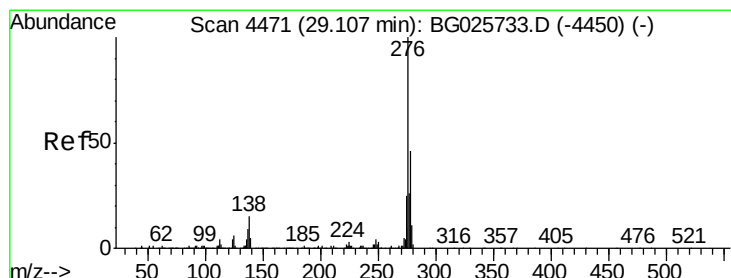
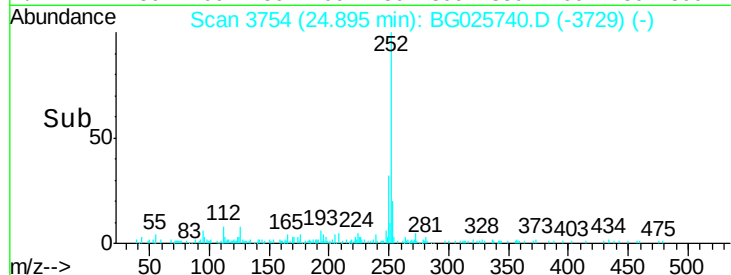
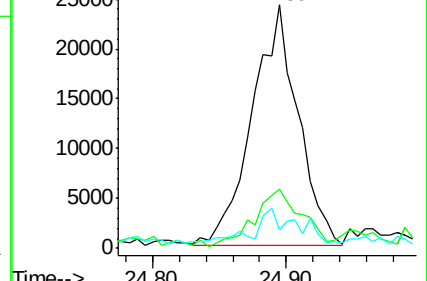
125 7.8 5.4 8.0



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: 1.43 ng/ul

RT: 29.11 min Scan# 4471

Delta R.T. 0.00 min

Lab File: BG025740.D

Acq: 1 Feb 2017 6:18

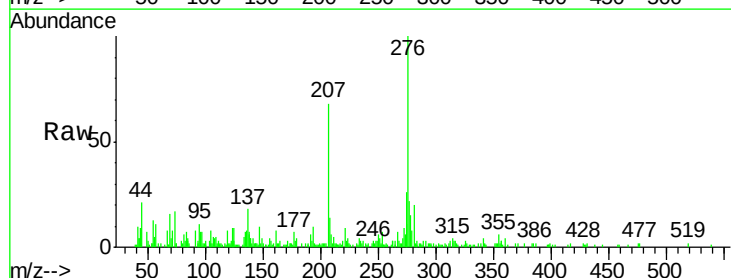
Tgt Ion:276 Resp: 76975

Ion Ratio Lower Upper

276 100

138 13.4 8.2 12.4#

277 21.6 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

