

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121416\
 Data File : BG025194.D
 Acq On : 15 Dec 2016 2:51
 Operator : UM/SJ
 Sample : H5970-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DA843

Quant Time: Dec 15 05:01:55 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG113016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 15 04:58:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	79750	20.00	ng/ul	0.00
18) Naphthalene-d8	11.06	136	373083	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.86	164	294802	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.60	188	574635	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	688358	20.00	ng/ul	0.00
83) Perylene-d12	25.32	264	705273	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.64	96	326	0.21	ng/uL	0.05
5) Phenol-d5	7.38	99	125196	18.20	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.55	67	93775	22.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.76	132	102674	21.34	ng/ul	0.00
13) 4-Methylphenol-d8	8.94	113	102337	17.80	ng/ul	0.00
19) Nitrobenzene-d5	9.41	128	58209	22.03	ng/ul	0.00
22) 2-Nitrophenol-d4	10.13	143	68029	20.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.68	165	131300	20.73	ng/ul	0.00
29) 4-Chloroaniline-d4	11.22	131	17186	2.76	ng/ul	0.02
43) Dimethylphthalate-d6	14.25	166	435391	21.47	ng/ul	0.00
46) Acenaphthylene-d8	14.56	160	506455	22.80	ng/ul	0.00
51) 4-Nitrophenol-d4	15.07	143	31088	8.92	ng/ul	0.01
57) Fluorene-d10	15.85	176	405038	21.22	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.97	200	61474	17.30	ng/ul	0.00
70) Anthracene-d10	17.70	188	571520	23.56	ng/ul	0.00
76) Pyrene-d10	19.98	212	678872	23.94	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.08	264	666982	23.34	ng/ul	0.00

Target Compounds

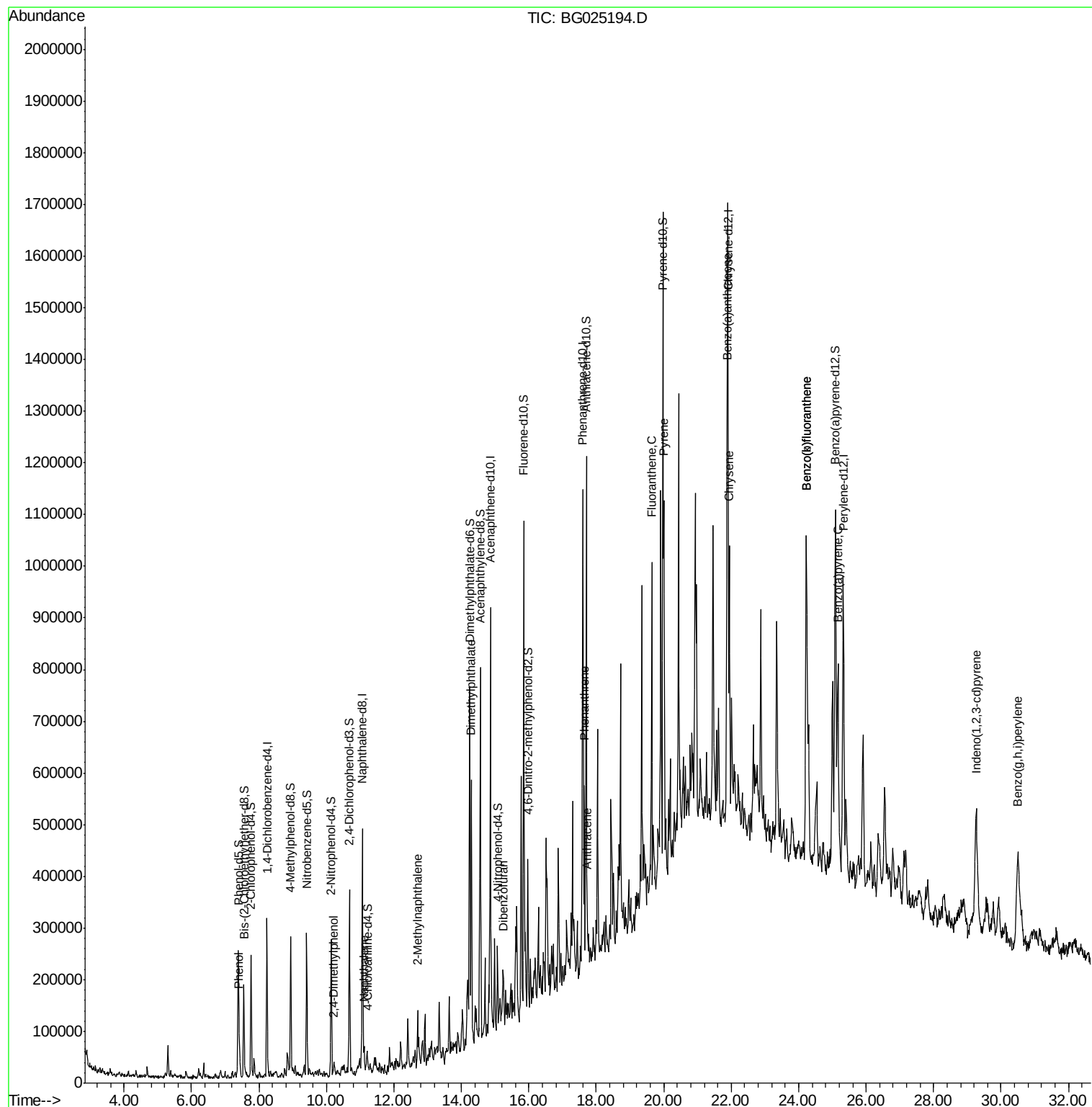
						Qvalue
6) Phenol	7.41	94	26362	3.73	ng/ul	93
24) 2,4-Dimethylphenol	10.22	107	8562	1.12	ng/ul#	80
28) Naphthalene	11.12	128	35818	2.07	ng/ul	97
34) 2-Methylnaphthalene	12.70	142	40602	2.97	ng/ul	99
44) Dimethylphthalate	14.29	163	256090	12.85	ng/ul	97
53) Dibenzofuran	15.25	168	37713	1.61	ng/ul	90
69) Phenanthrene	17.64	178	212461	7.75	ng/ul	97
71) Anthracene	17.73	178	41143	1.46	ng/ul#	93
74) Fluoranthene	19.64	202	422519	12.96	ng/ul	100
77) Pyrene	20.01	202	460163	13.91	ng/ul	97
80) Benzo(a)anthracene	21.87	228	354527	9.91	ng/ul	97
82) Chrysene	21.94	228	443548	13.26	ng/ul	98
85) Benzo(b)fluoranthene	24.22	252	788434	22.54	ng/ul	96
86) Benzo(k)fluoranthene	24.22	252	271373	8.16	ng/ul	98
88) Benzo(a)pyrene	25.15	252	490153	14.58	ng/ul	94
89) Indeno(1,2,3-cd)pyrene	29.25	276	386186	9.24	ng/ul	96
91) Benzo(g,h,i)perylene	30.49	276	384377	11.02	ng/ul	97

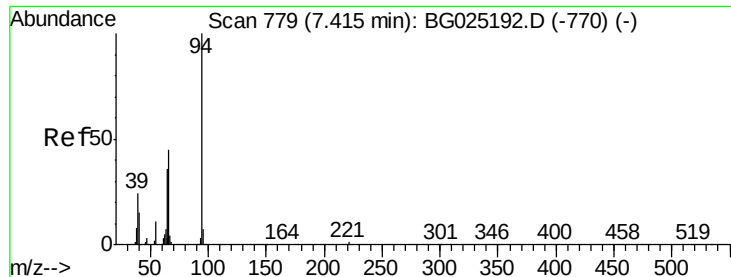
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 3.73 ng/ul

RT: 7.41 min Scan# 779

Delta R.T. -0.00 min

Lab File: BG025194.D

Acq: 15 Dec 2016 2:51

Instrument :

BNA_G

ClientSampleId :

DA843

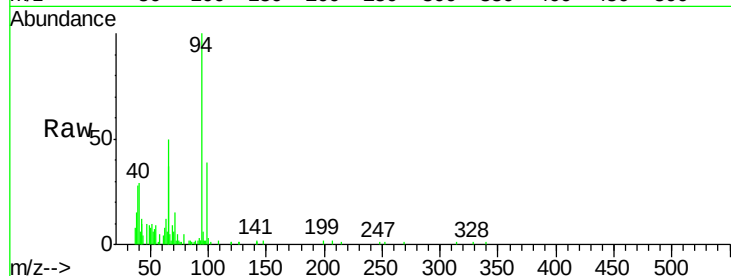
Tgt Ion: 94 Resp: 26362

Ion Ratio Lower Upper

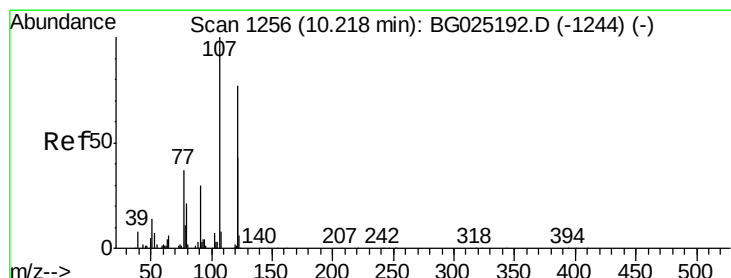
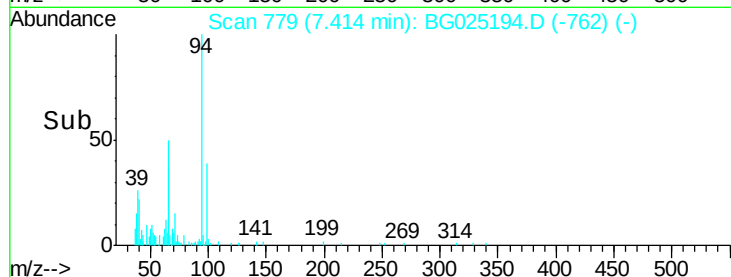
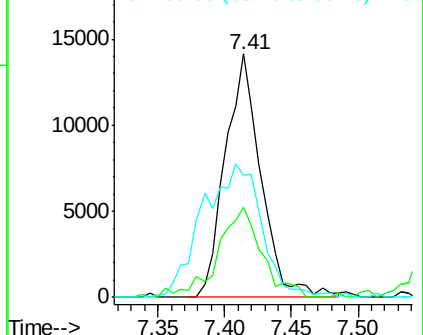
94 100

65 36.8 26.8 40.2

66 50.0 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



#24

2,4-Dimethylphenol

Concen: 1.12 ng/ul

RT: 10.22 min Scan# 1256

Delta R.T. -0.00 min

Lab File: BG025194.D

Acq: 15 Dec 2016 2:51

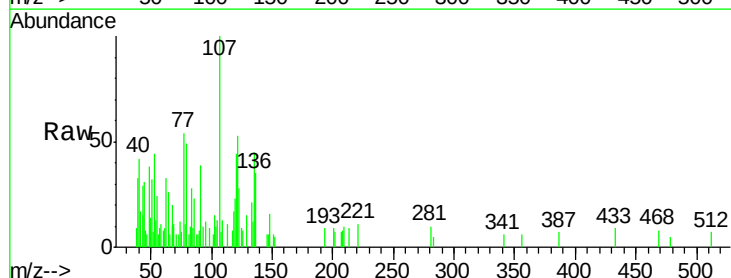
Tgt Ion: 107 Resp: 8562

Ion Ratio Lower Upper

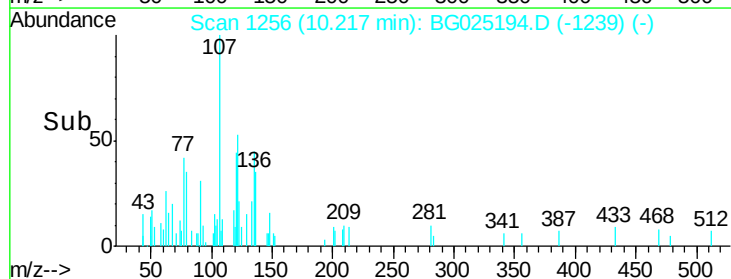
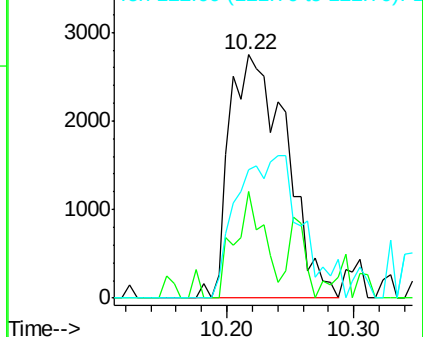
107 100

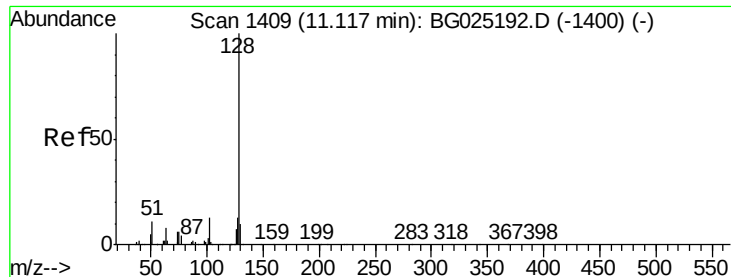
121 43.9 32.3 48.5

122 52.9 61.2 91.8#



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E
Ion 122.00 (121.70 to 122.70): E





#28

Naphthalene

Concen: 2.07 ng/ul

RT: 11.12 min Scan# 1409

Delta R.T. -0.00 min

Lab File: BG025194.D

Acq: 15 Dec 2016 2:51

Instrument :

BNA_G

ClientSampleId :

DA843

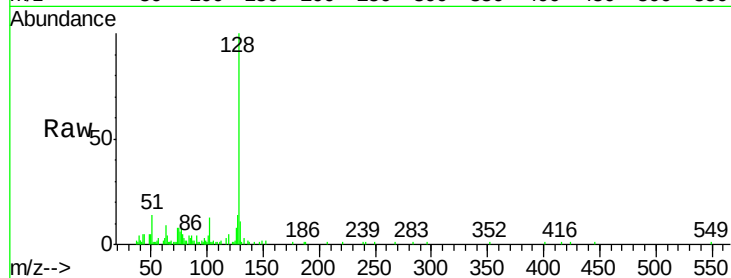
Tgt Ion:128 Resp: 35818

Ion Ratio Lower Upper

128 100

129 10.5 9.4 14.2

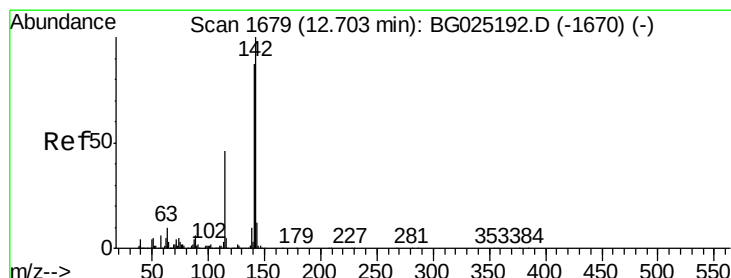
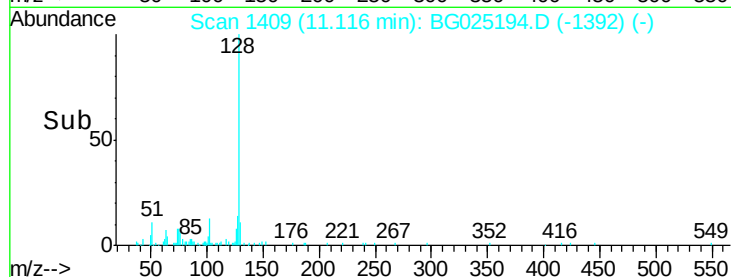
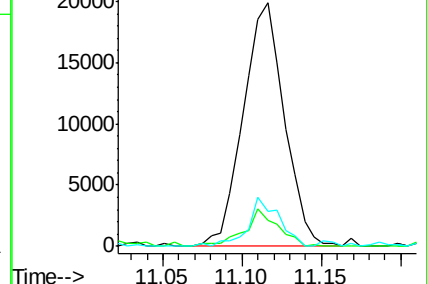
127 14.1 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 2.97 ng/ul

RT: 12.70 min Scan# 1679

Delta R.T. -0.00 min

Lab File: BG025194.D

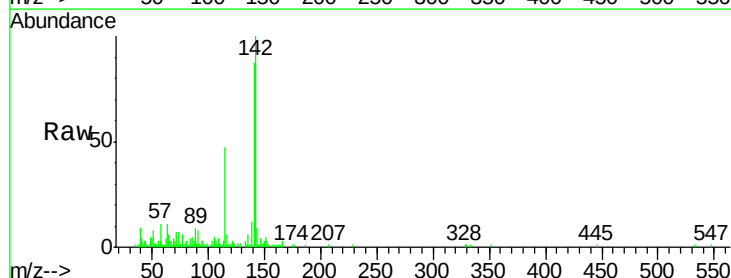
Acq: 15 Dec 2016 2:51

Tgt Ion:142 Resp: 40602

Ion Ratio Lower Upper

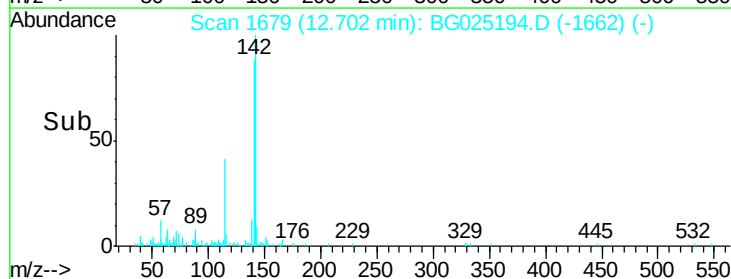
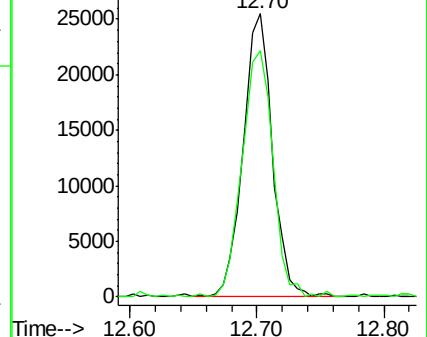
142 100

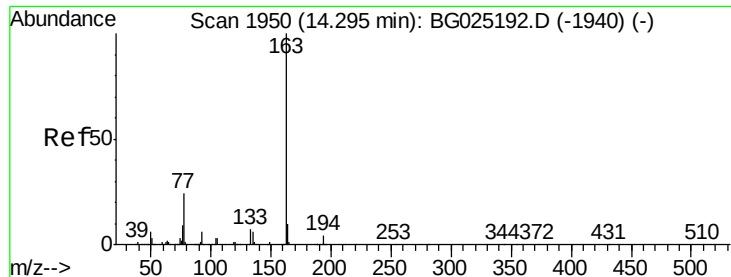
141 87.0 68.6 102.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 12.85 ng/ul

RT: 14.29 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BG025194.D

Acq: 15 Dec 2016 2:51

Instrument :

BNA_G

ClientSampleId :

DA843

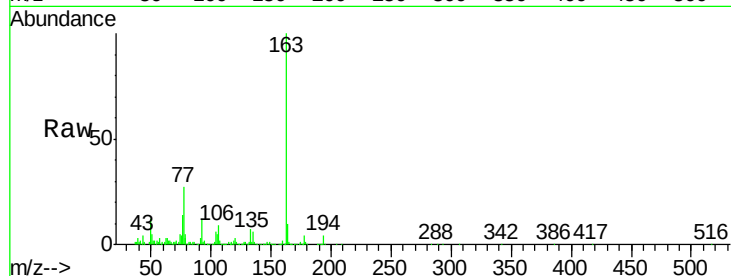
Tgt Ion:163 Resp: 256090

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.0

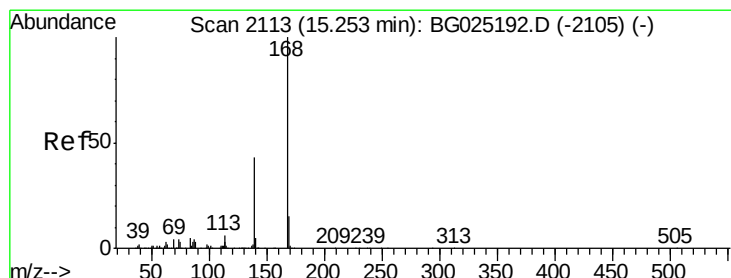
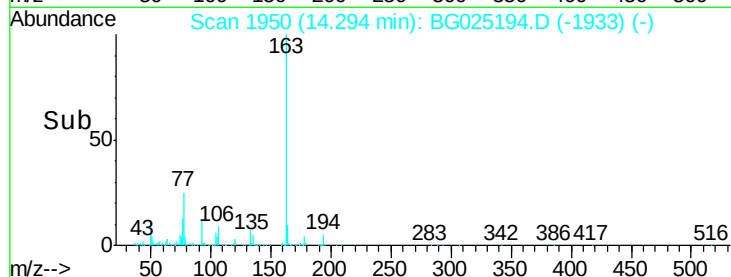
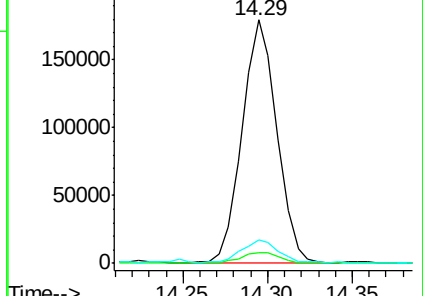
164 9.7 9.0 13.4



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



#53

Dibenzofuran

Concen: 1.61 ng/ul

RT: 15.25 min Scan# 2113

Delta R.T. -0.00 min

Lab File: BG025194.D

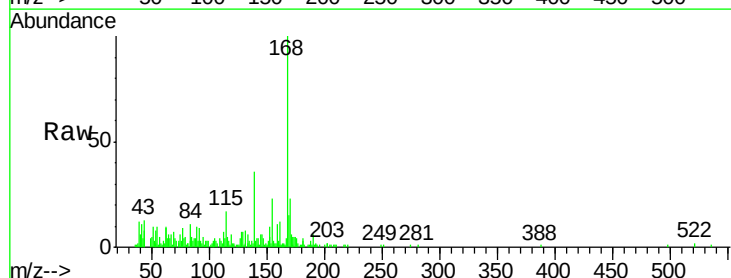
Acq: 15 Dec 2016 2:51

Tgt Ion:168 Resp: 37713

Ion Ratio Lower Upper

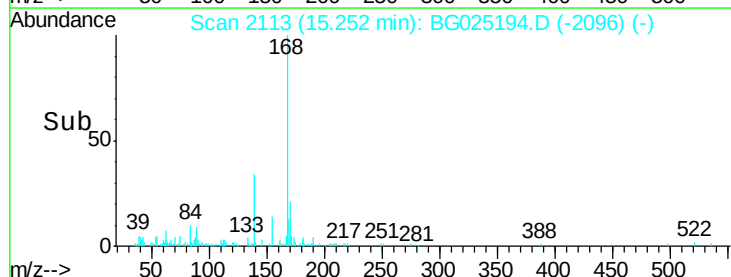
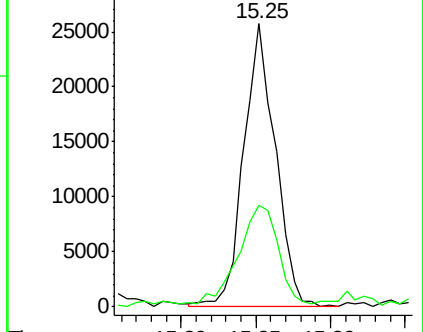
168 100

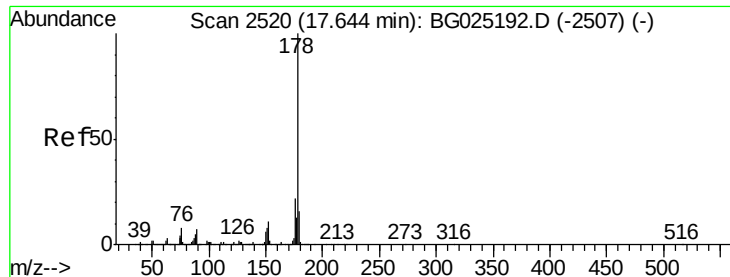
139 36.1 33.8 50.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#69

Phenanthrene

Concen: 7.75 ng/ul

RT: 17.64 min Scan# 2520

Delta R.T. -0.00 min

Lab File: BG025194.D

Acq: 15 Dec 2016 2:51

Instrument :

BNA_G

ClientSampleId :

DA843

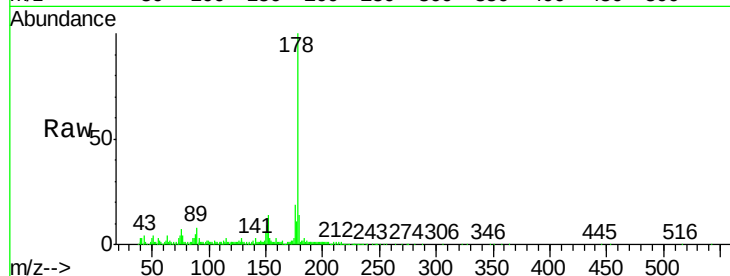
Tgt Ion:178 Resp: 212461

Ion Ratio Lower Upper

178 100

179 14.5 12.4 18.6

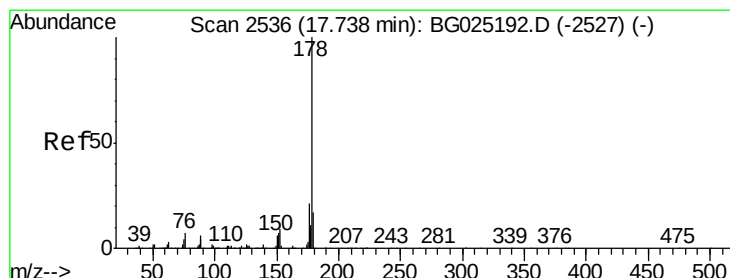
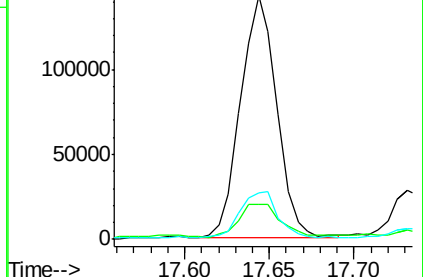
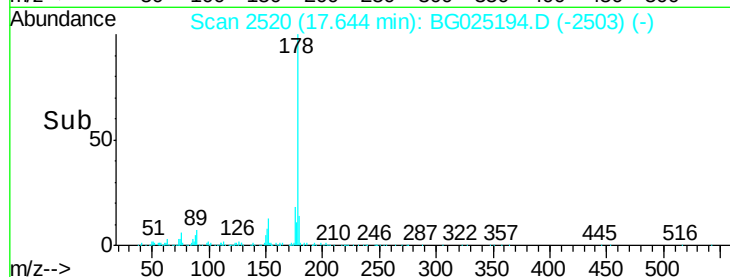
176 19.0 16.5 24.7



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: 1.46 ng/ul

RT: 17.73 min Scan# 2535

Delta R.T. -0.01 min

Lab File: BG025194.D

Acq: 15 Dec 2016 2:51

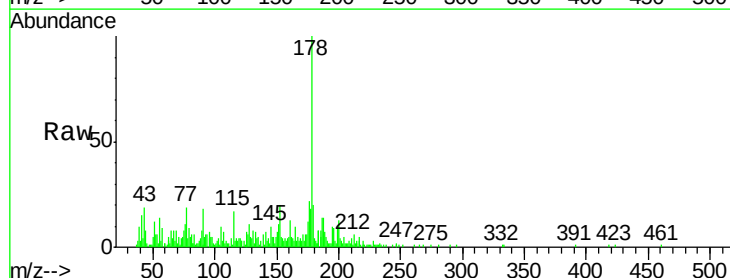
Tgt Ion:178 Resp: 41143

Ion Ratio Lower Upper

178 100

179 19.8 12.6 19.0#

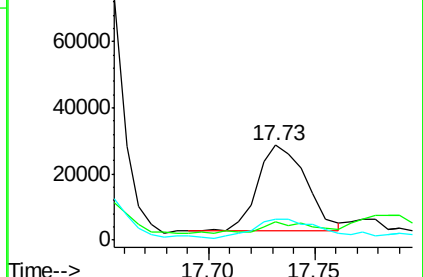
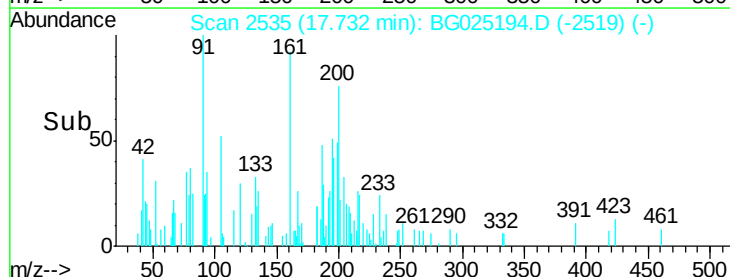
176 22.4 15.9 23.9

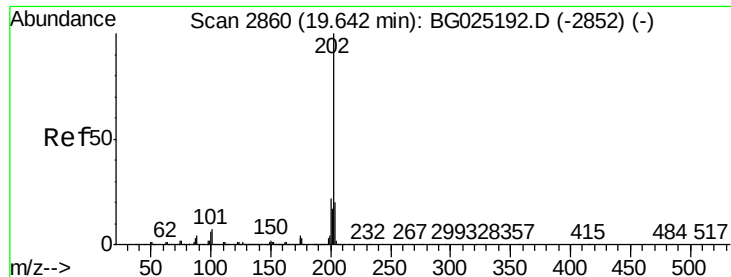


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 12.96 ng/ul

RT: 19.64 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BG025194.D

Acq: 15 Dec 2016 2:51

Instrument :

BNA_G

ClientSampleId :

DA843

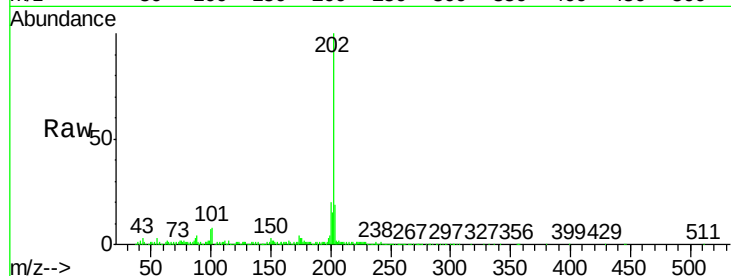
Tgt Ion: 202 Resp: 422519

Ion Ratio Lower Upper

202 100

101 7.5 6.2 9.2

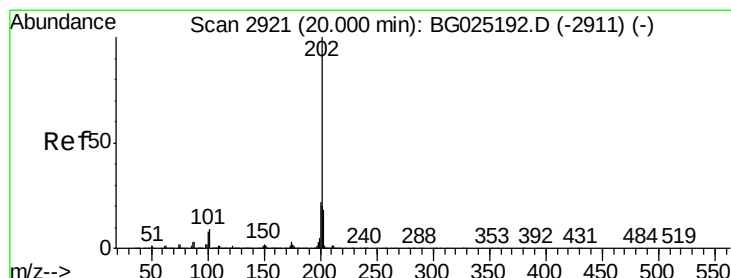
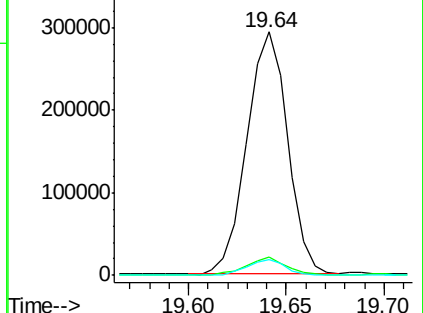
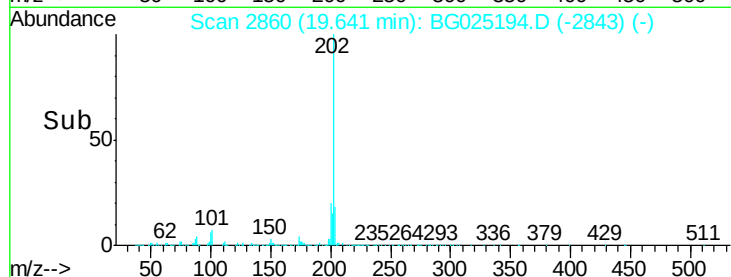
100 6.6 5.2 7.8



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: 13.91 ng/ul

RT: 20.01 min Scan# 2922

Delta R.T. 0.01 min

Lab File: BG025194.D

Acq: 15 Dec 2016 2:51

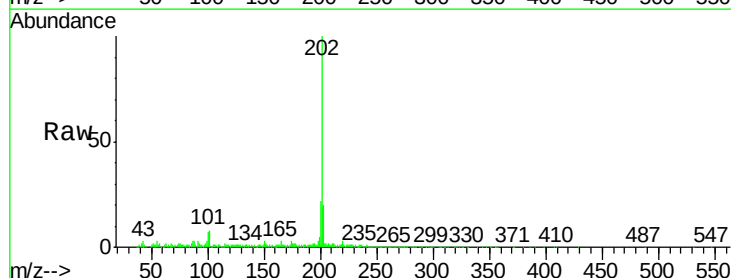
Tgt Ion: 202 Resp: 460163

Ion Ratio Lower Upper

202 100

101 7.6 6.9 10.3

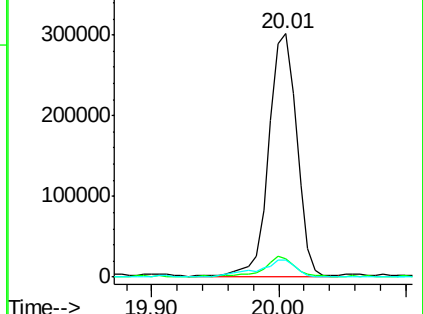
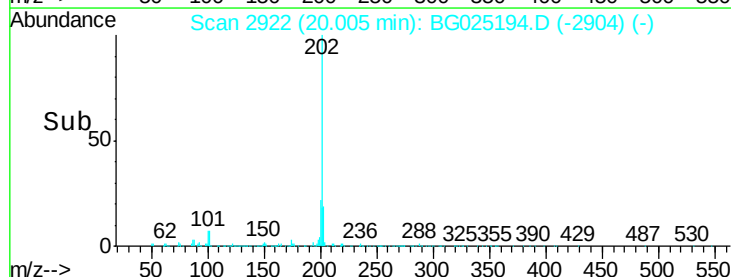
100 7.1 6.6 10.0

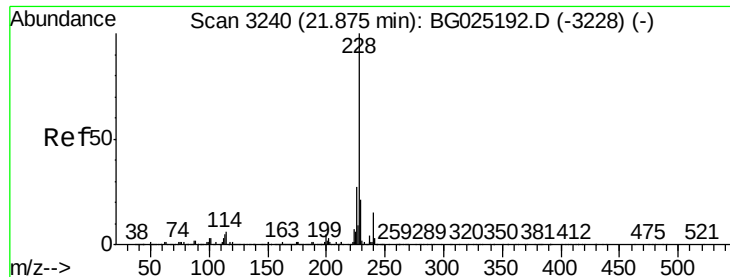


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 9.91 ng/ul

RT: 21.87 min Scan# 3240

Delta R.T. -0.00 min

Lab File: BG025194.D

Acq: 15 Dec 2016 2:51

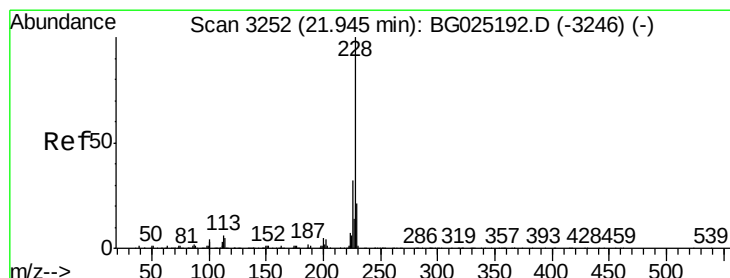
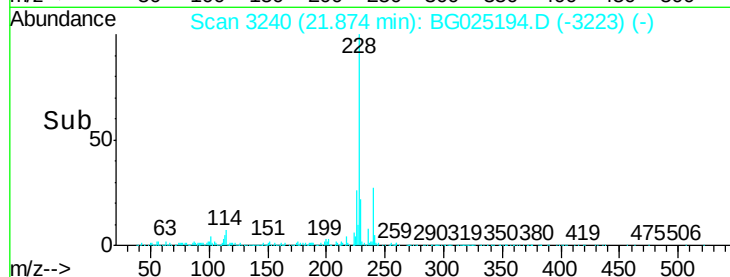
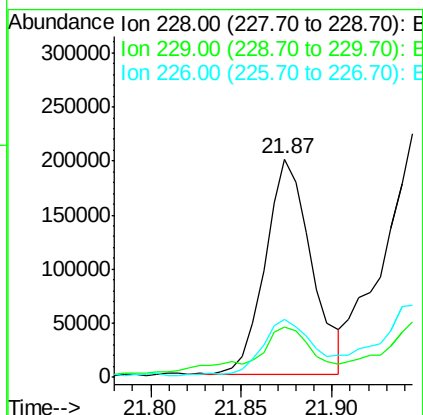
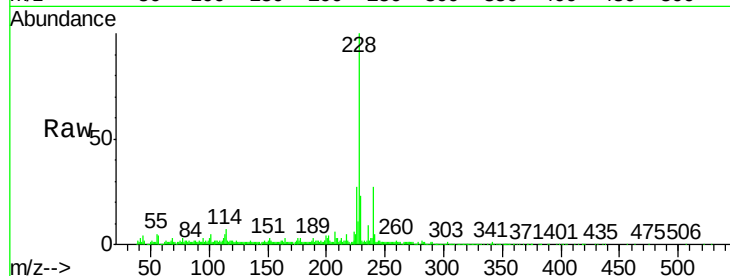
Instrument :

BNA_G

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Tgt Ion:	228	Resp:	354527
Ion	Ratio	Lower	Upper
228	100		
229	23.1	16.3	24.5
226	26.5	21.9	32.9



#82

Chrysene

Concen: 13.26 ng/ul

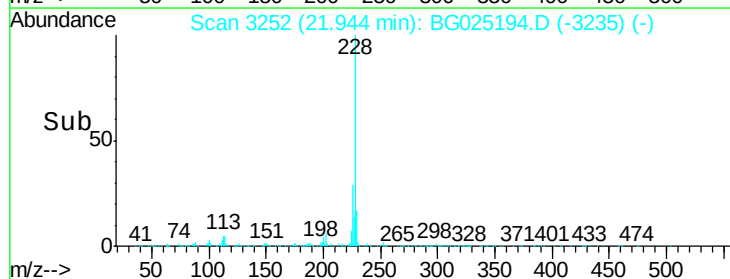
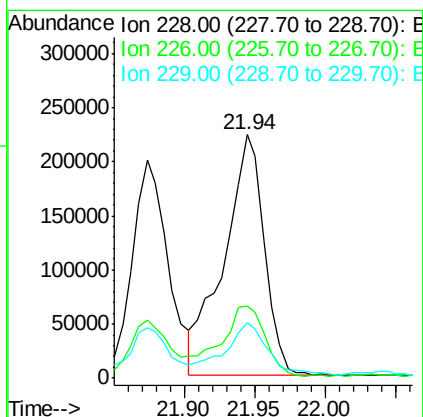
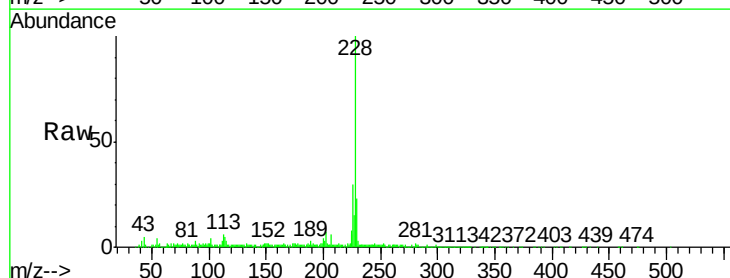
RT: 21.94 min Scan# 3252

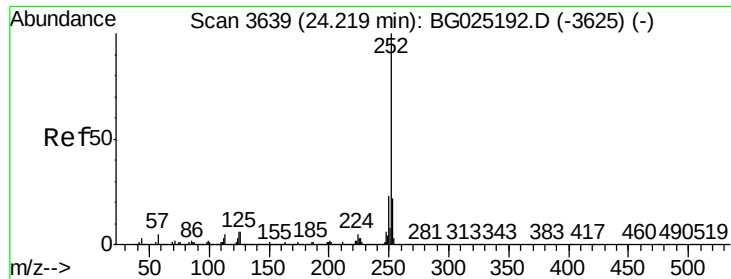
Delta R.T. -0.00 min

Lab File: BG025194.D

Acq: 15 Dec 2016 2:51

Tgt Ion:	228	Resp:	443548
Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.0	36.0
229	22.7	16.9	25.3

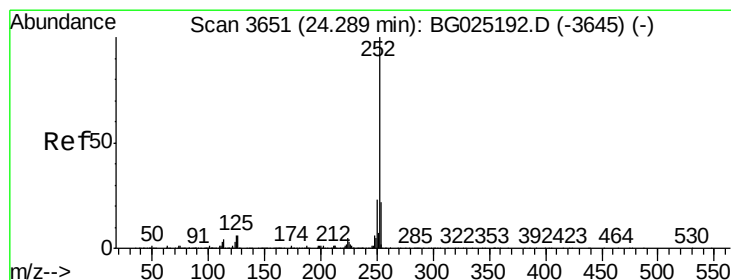
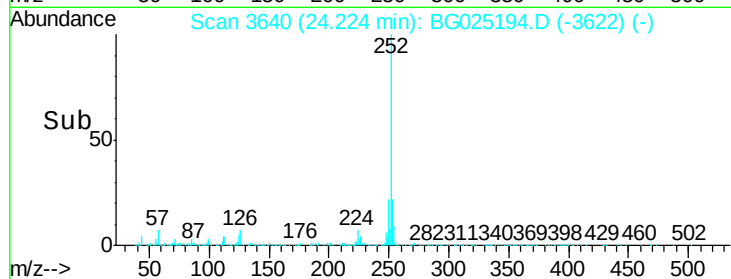
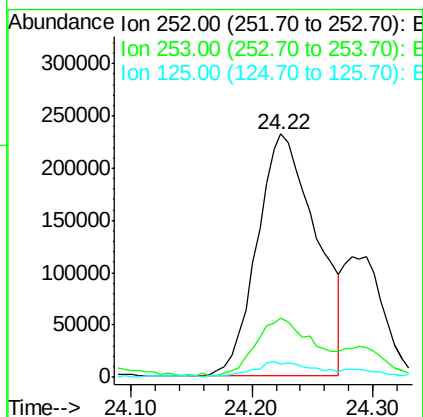
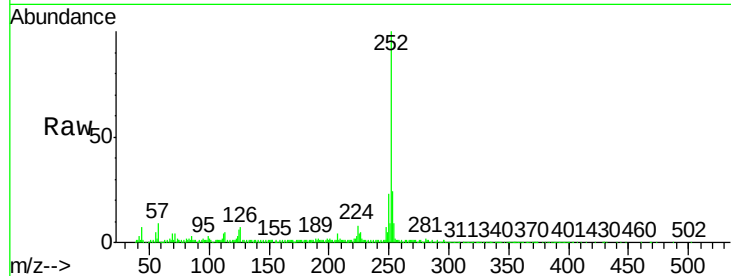




#85
Benzo(b)fluoranthene
Concen: 22.54 ng/ul
RT: 24.22 min Scan# 3640
Delta R.T. 0.01 min
Lab File: BG025194.D
Acq: 15 Dec 2016 2:51

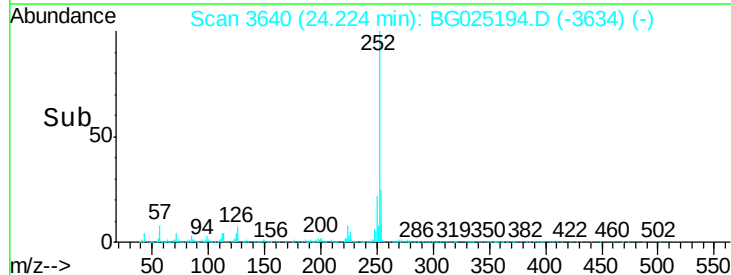
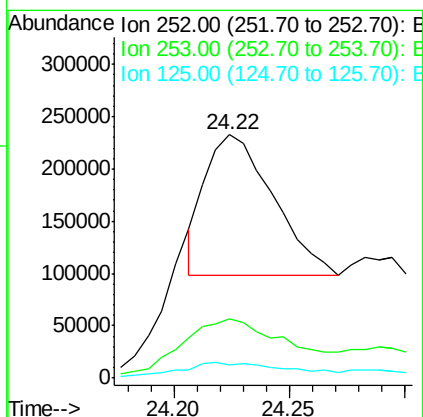
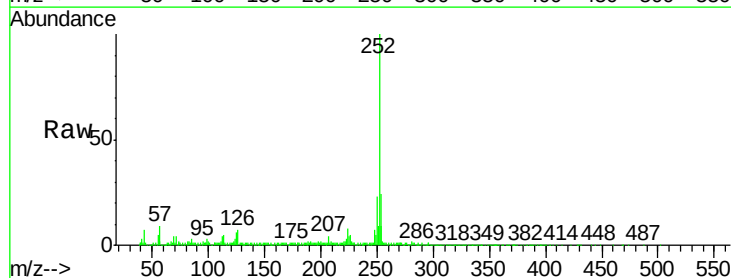
Instrument :
BNA_G
ClientSampleId :
DA843

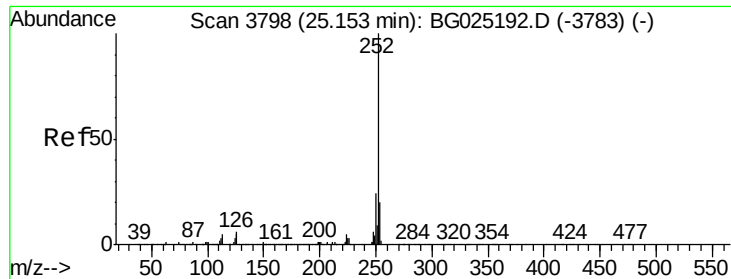
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.7	26.5
125	5.5	4.0	6.0



#86
Benzo(k)fluoranthene
Concen: 8.16 ng/ul
RT: 24.22 min Scan# 3640
Delta R.T. -0.07 min
Lab File: BG025194.D
Acq: 15 Dec 2016 2:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.5	27.7
125	5.5	4.1	6.1





#88

Benzo(a)pyrene

Concen: 14.58 ng/ul

RT: 25.15 min Scan# 3798

Delta R.T. -0.00 min

Lab File: BG025194.D

Acq: 15 Dec 2016 2:51

Instrument :

BNA_G

ClientSampleId :

DA843

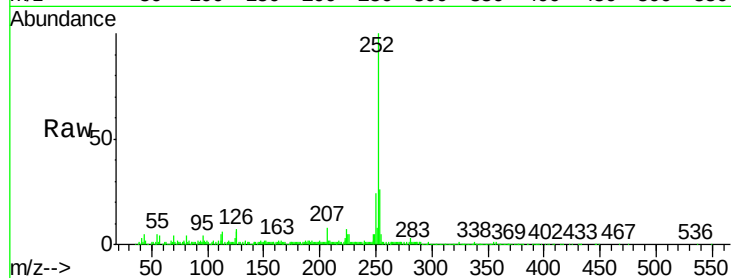
Tgt Ion:252 Resp: 490153

Ion Ratio Lower Upper

252 100

253 25.6 17.8 26.6

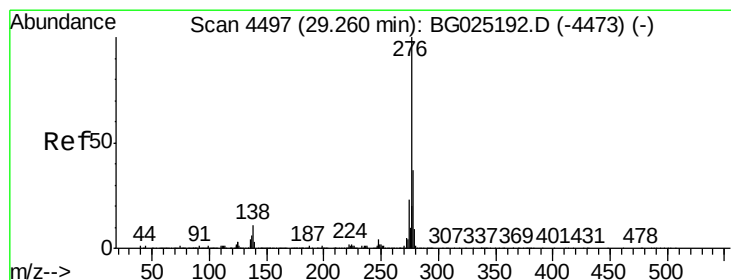
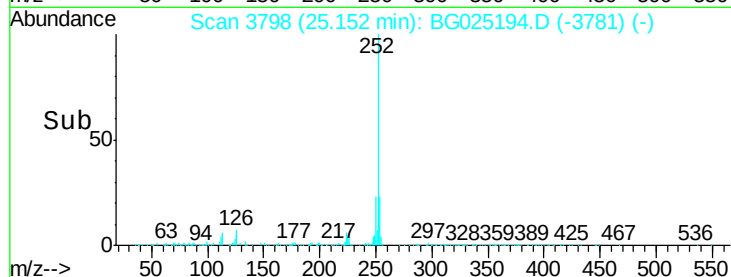
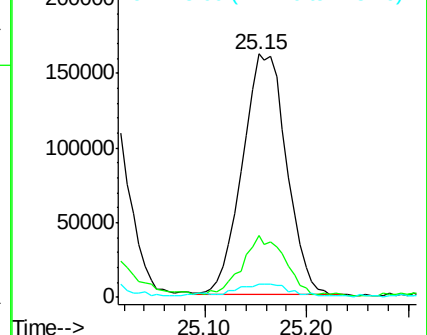
125 5.6 5.4 8.0



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: 9.24 ng/ul

RT: 29.25 min Scan# 4496

Delta R.T. -0.01 min

Lab File: BG025194.D

Acq: 15 Dec 2016 2:51

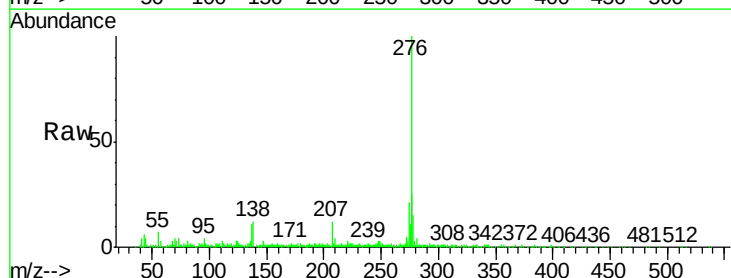
Tgt Ion:276 Resp: 386186

Ion Ratio Lower Upper

276 100

138 12.3 8.2 12.4

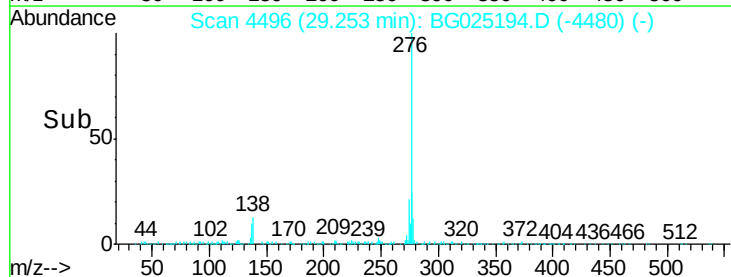
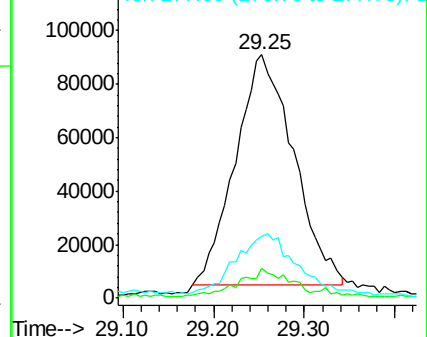
277 25.2 18.6 28.0

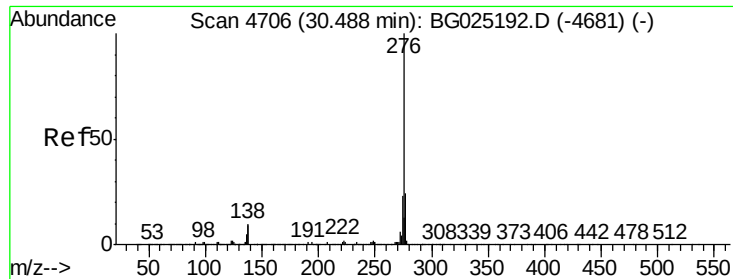


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#91

Benzo(g,h,i)perylene

Concen: 11.02 ng/ul

RT: 30.49 min Scan# 4707

Delta R.T. 0.01 min

Lab File: BG025194.D

Acq: 15 Dec 2016 2:51

Instrument :

BNA_G

ClientSampleId :

DA843

Tgt Ion: 276 Resp: 384377

Ion Ratio Lower Upper

276 100

138 9.6 8.6 12.8

277 23.7 17.6 26.4

