

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032516\
 Data File : BG021511.D
 Acq On : 25 Mar 2016 12:20
 Operator : UM/SJ
 Sample : H1909-11MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4T45MSD

Quant Time: Mar 25 23:30:25 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 25 23:28:37 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	18830	20.00	ng/ul	0.00
18) Naphthalene-d8	10.87	136	87663	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.68	164	51317	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.42	188	109039	20.00	ng/ul	0.00
78) Chrysene-d12	21.68	240	122943	20.00	ng/ul	0.00
86) Perylene-d12	24.90	264	121372	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	1053	2.51	ng/uL	0.00
5) Phenol-d5	7.33	99	29728	16.70	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	19761	18.74	ng/ul	0.00
9) 2-Chlorophenol-d4	7.64	132	24659	18.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	27107	17.78	ng/ul	0.00
19) Nitrobenzene-d5	9.23	128	12348	18.77	ng/ul	0.00
22) 2-Nitrophenol-d4	9.95	143	13802	18.36	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	25477	18.96	ng/ul	0.00
29) 4-Chloroaniline-d4	11.02	131	20085	11.43	ng/ul	0.00
44) Dimethylphthalate-d6	14.09	166	78909	18.47	ng/ul	0.00
47) Acenaphthylene-d8	14.38	160	101796	19.33	ng/ul	0.00
52) 4-Nitrophenol-d4	15.08	143	10073	14.75	ng/ul	0.00
58) Fluorene-d10	15.67	176	70569	18.32	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.79	200	11562	16.05	ng/ul	0.00
71) Anthracene-d10	17.52	188	107826	20.18	ng/ul	0.00
79) Pyrene-d10	19.80	212	119834	20.90	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.68	264	129417	23.10	ng/ul	0.02

Target Compounds

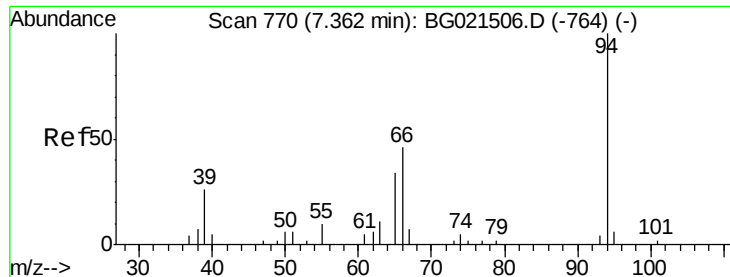
						Qvalue
6) Phenol	7.36	94	30056	15.97	ng/ul	93
10) 2-Chlorophenol	7.67	128	23711	17.06	ng/ul	94
15) N-Nitroso-di-n-propylamine	8.86	70	22575	16.37	ng/ul#	99
33) 4-Chloro-3-methylphenol	12.24	107	29248	17.16	ng/ul	94
45) Dimethylphthalate	14.13	163	29669	6.68	ng/ul	98
50) Acenaphthene	14.74	153	66745	18.54	ng/ul	97
53) 4-Nitrophenol	15.10	109	11097	15.66	ng/ul	90
55) 2,4-Dinitrotoluene	15.05	165	23060	17.36	ng/ul	88
69) Pentachlorophenol	17.09	266	6365	17.92	ng/ul	93
77) Fluoranthene	19.46	202	14901	2.00	ng/ul	96
80) Pyrene	19.83	202	162143	22.13	ng/ul	96
83) Benzo(a)anthracene	21.66	228	10638	1.43	ng/ul	91
84) Bis(2-ethylhexyl)phthalate	21.54	149	5205	1.15	ng/ul#	96
85) Chrysene	21.72	228	9259	1.32	ng/ul	93
88) Benzo(b)fluoranthene	23.87	252	24035	3.08	ng/ul#	95
91) Benzo(a)pyrene	24.74	252	19285	2.55	ng/ul#	94
92) Indeno(1,2,3-cd)pyrene	28.57	276	19152	2.23	ng/ul	97
94) Benzo(g,h,i)perylene	29.72	276	9884	1.40	ng/ul#	90

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

```

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032516\
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Acq On    : 25 Mar 2016   12:20
Operator  : UM/SJ
Sample    : H1909-11MSD
Misc      :
ALS Vial  : 6      Sample Multiplier: 1

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#6

Phenol

Concen: 15.97 ng/ul

RT: 7.36 min Scan# 770

Delta R.T. 0.00 min

Lab File: BG021511.D

Acq: 25 Mar 2016 12:20

Instrument :

BNA_G

ClientSampleId :

A4T45MSD

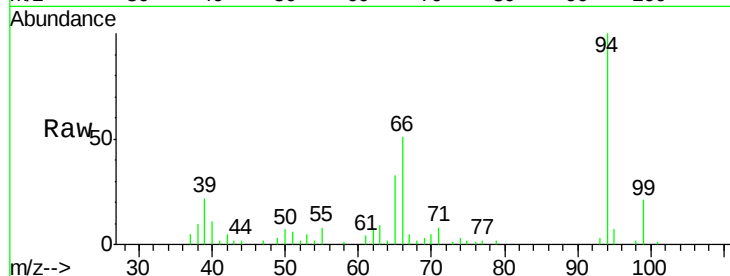
Tgt Ion: 94 Resp: 30056

Ion Ratio Lower Upper

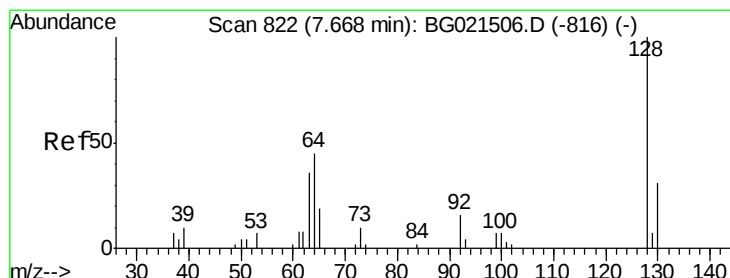
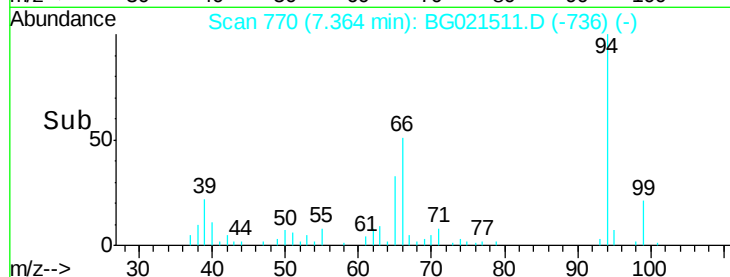
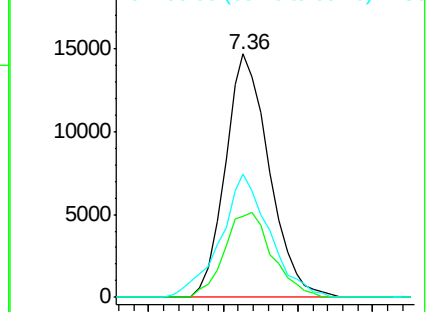
94 100

65 33.3 26.1 39.1

66 50.6 35.0 52.4



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



#10

2-Chlorophenol

Concen: 17.06 ng/ul

RT: 7.67 min Scan# 822

Delta R.T. 0.00 min

Lab File: BG021511.D

Acq: 25 Mar 2016 12:20

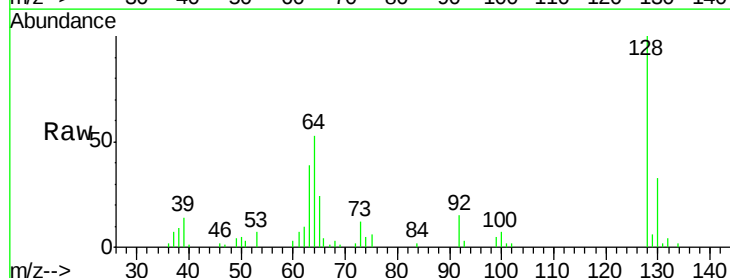
Tgt Ion: 128 Resp: 23711

Ion Ratio Lower Upper

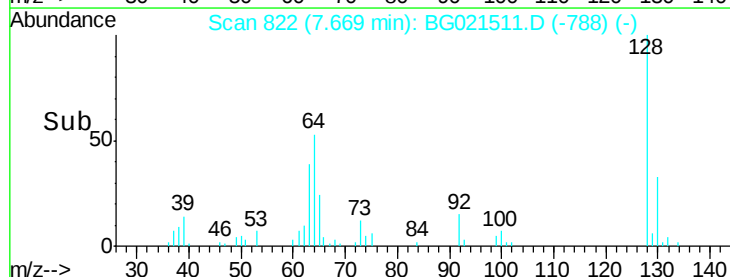
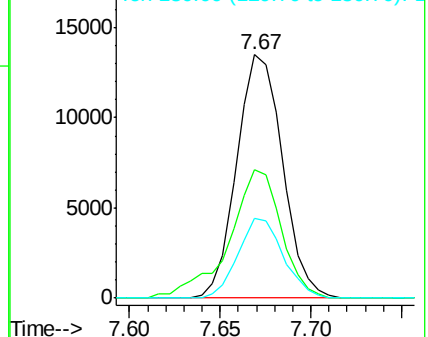
128 100

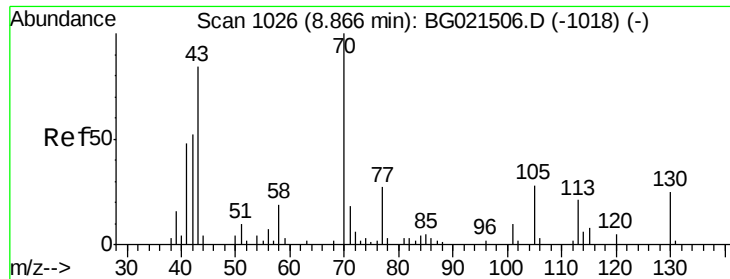
64 52.7 47.0 70.6

130 32.5 27.8 41.6



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 130.00 (129.70 to 130.70): E





#15

N-Nitroso-di-n-propylamine

Concen: 16.37 ng/ul

RT: 8.86 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BG021511.D

Acq: 25 Mar 2016 12:20

Instrument :

BNA_G

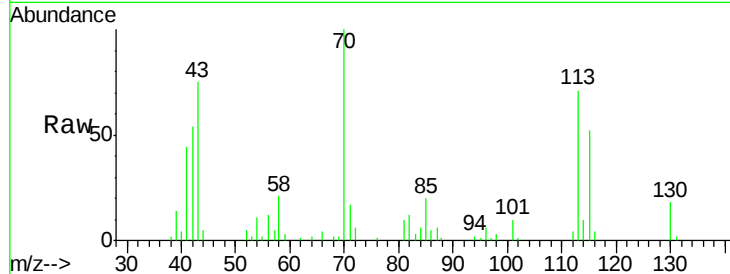
ClientSampleId :

A4T45MSD

Tgt Ion: 70 Resp: 22575

Ion Ratio Lower Upper

70	100		
42	54.1	43.4	65.0
101	10.0	6.5	9.7#
130	18.2	13.8	20.6

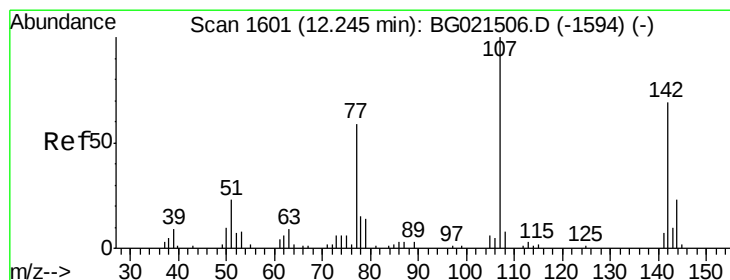
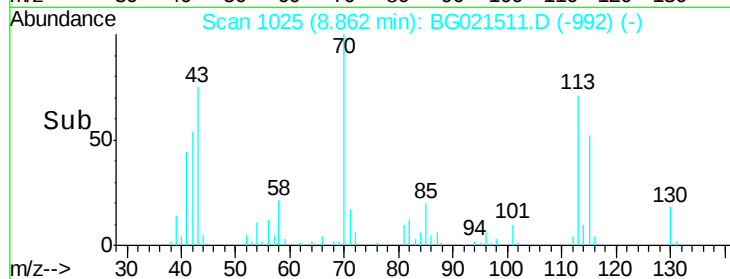
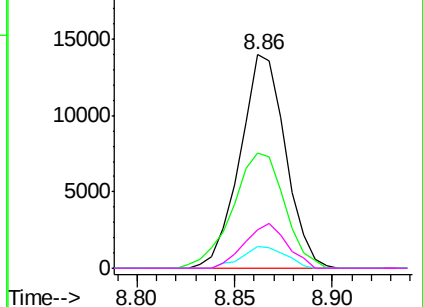


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#33

4-Chloro-3-methylphenol

Concen: 17.16 ng/ul

RT: 12.24 min Scan# 1600

Delta R.T. -0.00 min

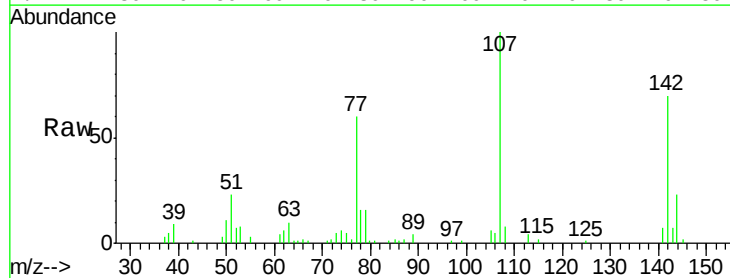
Lab File: BG021511.D

Acq: 25 Mar 2016 12:20

Tgt Ion: 107 Resp: 29248

Ion Ratio Lower Upper

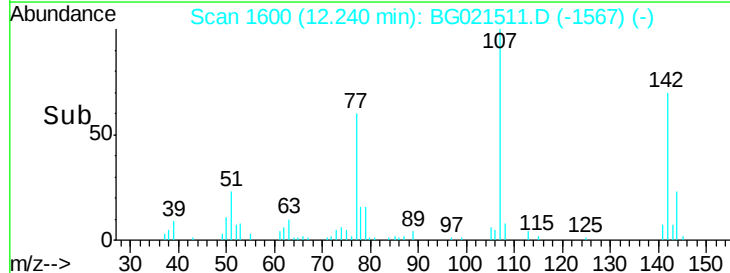
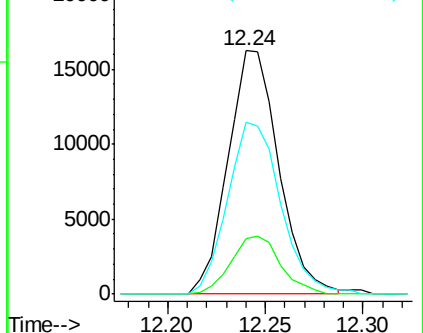
107	100		
144	22.7	17.2	25.8
142	70.5	52.0	78.0

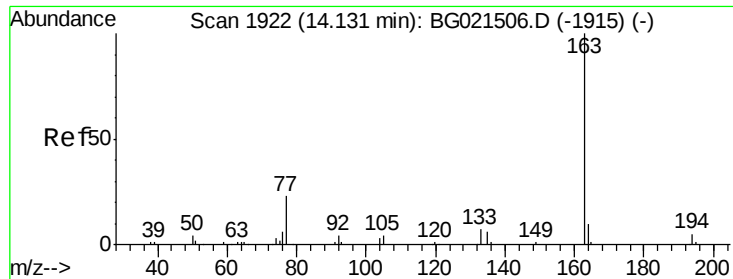


Abundance Ion 107.00 (106.70 to 107.70): BGC

Ion 144.00 (143.70 to 144.70): BGC

Ion 142.00 (141.70 to 142.70): BGC

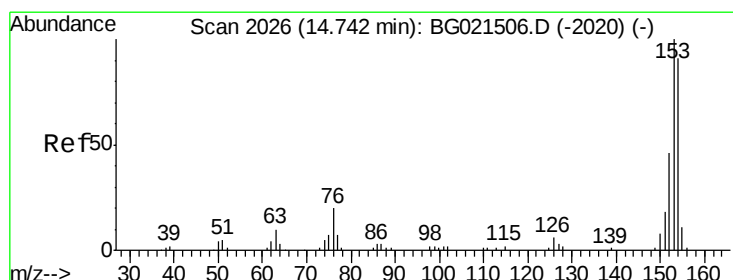
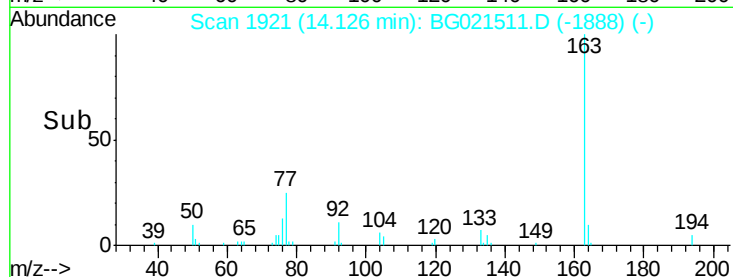
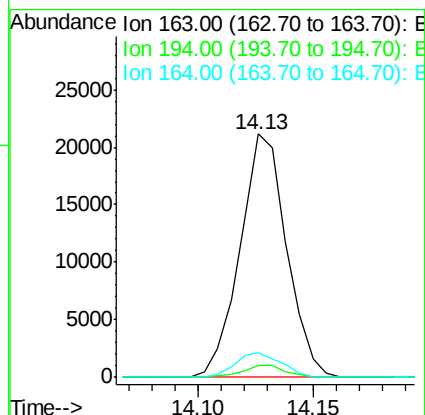
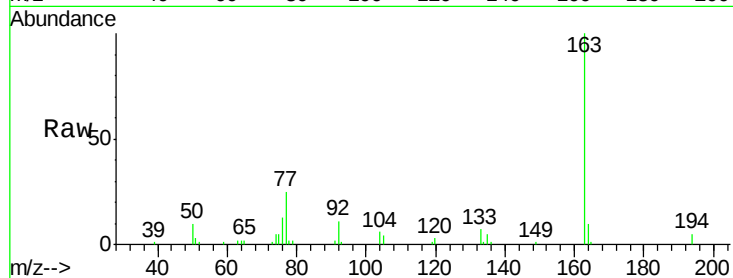




#45
Dimethylphthalate
Concen: 6.68 ng/ul
RT: 14.13 min Scan# 1921
Delta R.T. -0.00 min
Lab File: BG021511.D
Acq: 25 Mar 2016 12:20

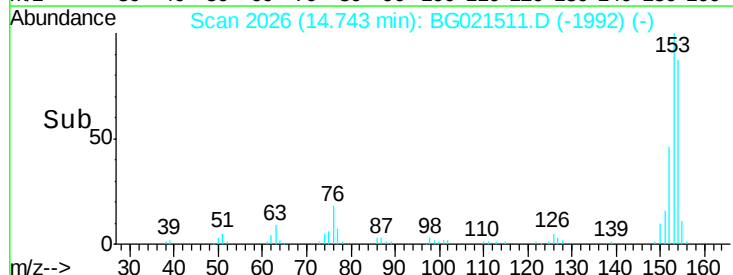
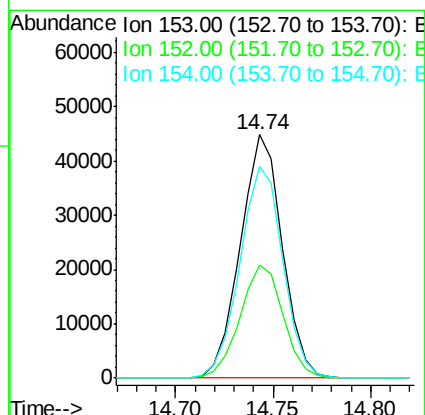
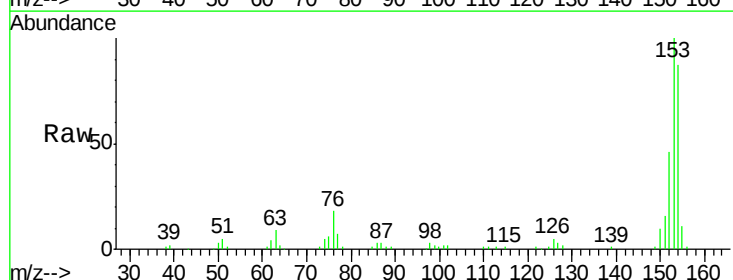
Instrument :
BNA_G
ClientSampled :
A4T45MSD

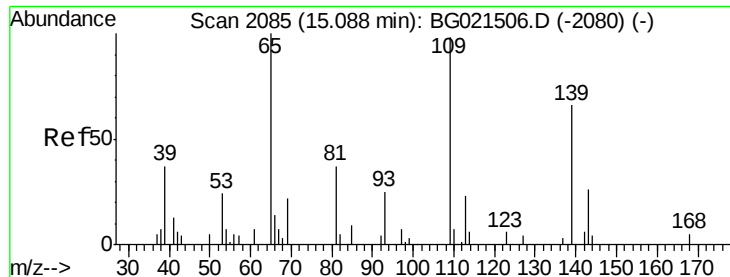
Tgt Ion:163 Resp: 29669
Ion Ratio Lower Upper
163 100
194 4.8 3.9 5.9
164 10.1 8.7 13.1



#50
Acenaphthene
Concen: 18.54 ng/ul
RT: 14.74 min Scan# 2026
Delta R.T. 0.00 min
Lab File: BG021511.D
Acq: 25 Mar 2016 12:20

Tgt Ion:153 Resp: 66745
Ion Ratio Lower Upper
153 100
152 46.3 36.5 54.7
154 87.2 67.3 100.9

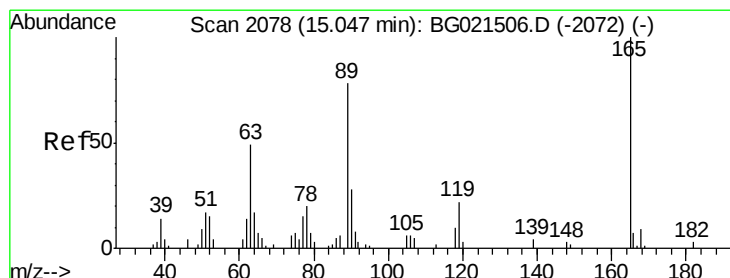
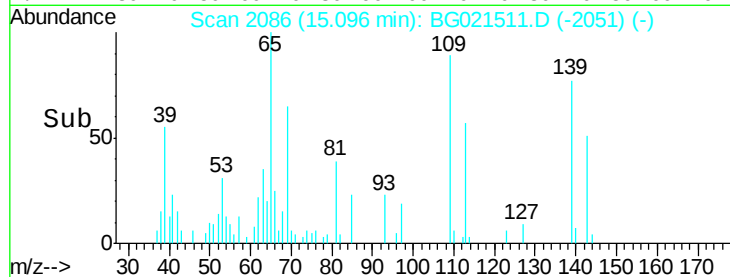
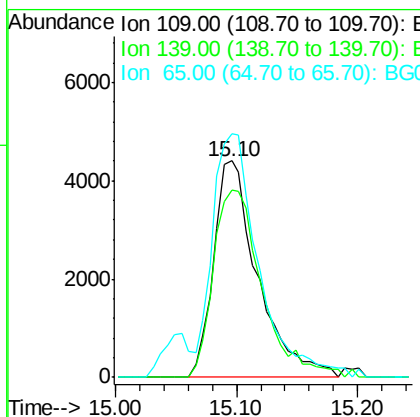
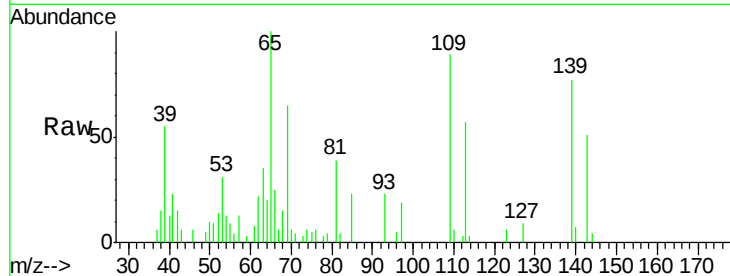




#53
4-Nitrophenol
Concen: 15.66 ng/ul
RT: 15.10 min Scan# 2086
Delta R.T. 0.01 min
Lab File: BG021511.D
Acq: 25 Mar 2016 12:20

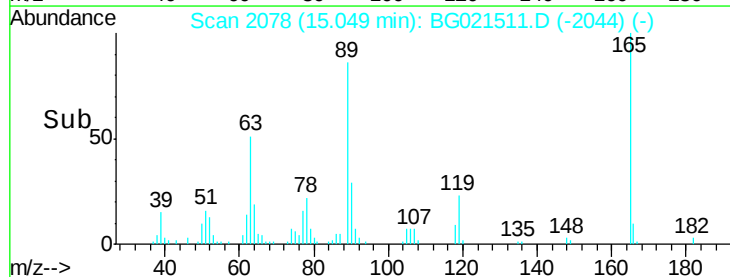
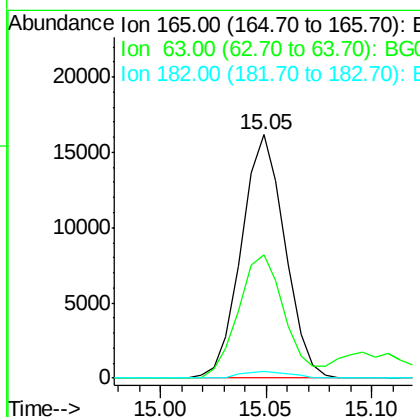
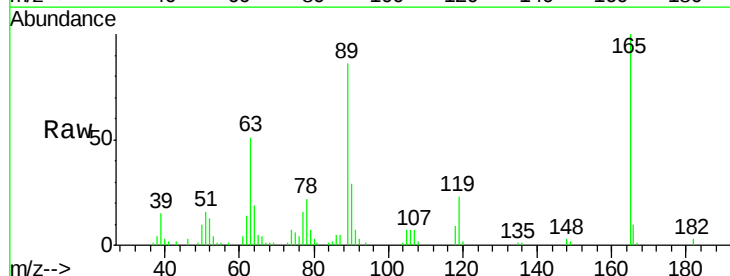
Instrument :
BNA_G
ClientSampleId :
A4T45MSD

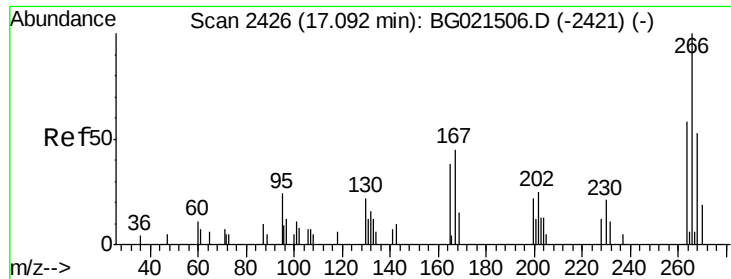
Tgt Ion:109 Resp: 11097
Ion Ratio Lower Upper
109 100
139 86.5 75.9 113.9
65 112.6 99.8 149.8



#55
2,4-Dinitrotoluene
Concen: 17.36 ng/ul
RT: 15.05 min Scan# 2078
Delta R.T. 0.00 min
Lab File: BG021511.D
Acq: 25 Mar 2016 12:20

Tgt Ion:165 Resp: 23060
Ion Ratio Lower Upper
165 100
63 50.9 48.1 72.1
182 3.0 2.2 3.2





#69

Pentachlorophenol

Concen: 17.92 ng/ul

RT: 17.09 min Scan# 2426

Delta R.T. 0.00 min

Lab File: BG021511.D

Acq: 25 Mar 2016 12:20

Instrument :

BNA_G

ClientSampleId :

A4T45MSD

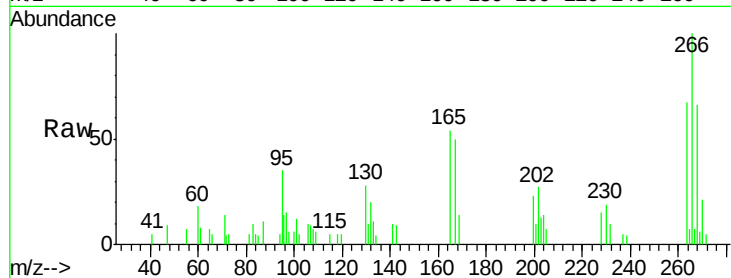
Tgt Ion:266 Resp: 6365

Ion Ratio Lower Upper

266 100

264 73.8 56.7 85.1

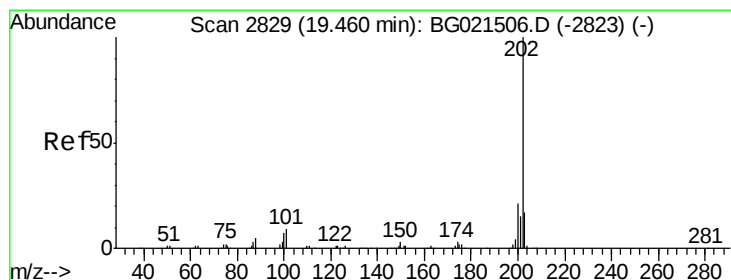
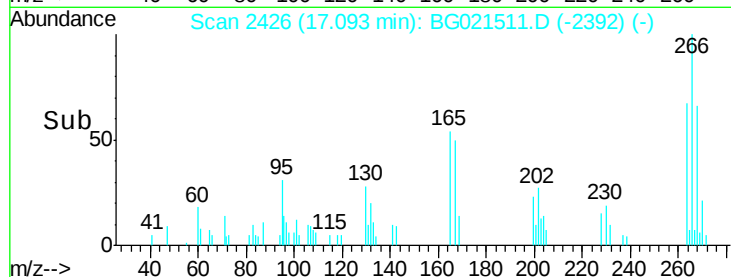
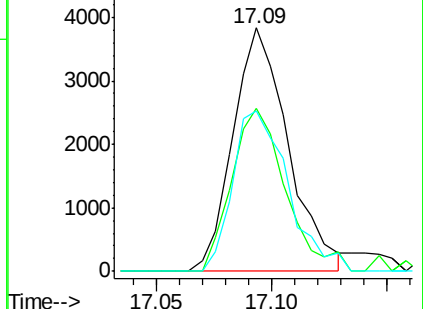
268 71.8 50.6 76.0



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#77

Fluoranthene

Concen: 2.00 ng/ul

RT: 19.46 min Scan# 2829

Delta R.T. 0.00 min

Lab File: BG021511.D

Acq: 25 Mar 2016 12:20

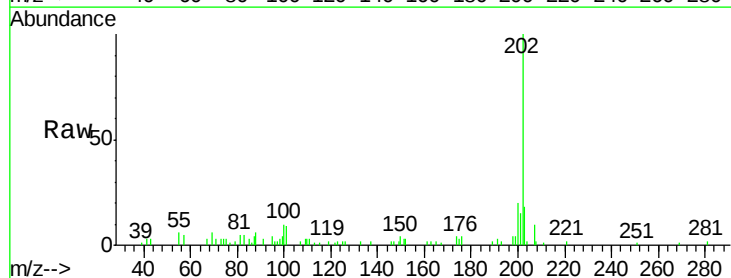
Tgt Ion:202 Resp: 14901

Ion Ratio Lower Upper

202 100

101 9.4 8.9 13.3

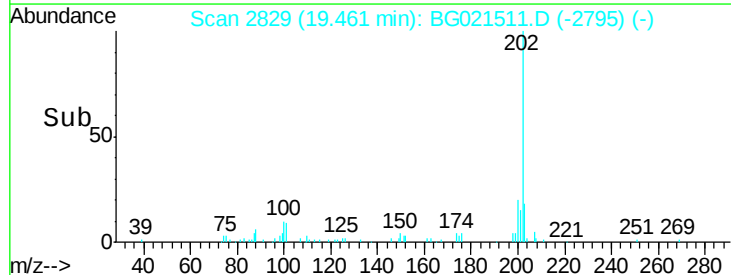
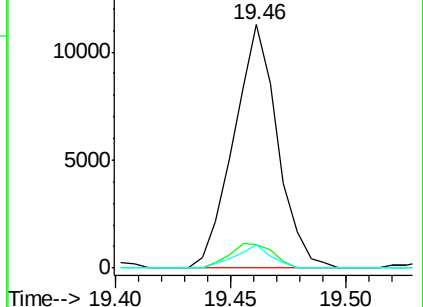
100 9.7 7.0 10.4

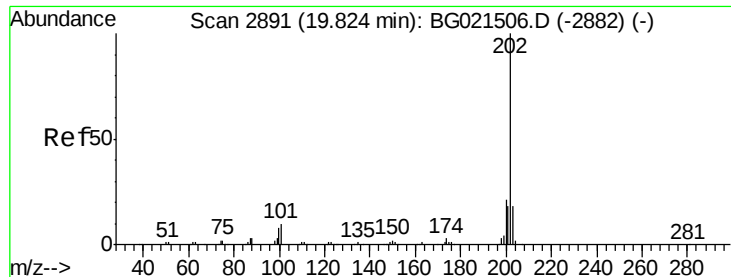


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

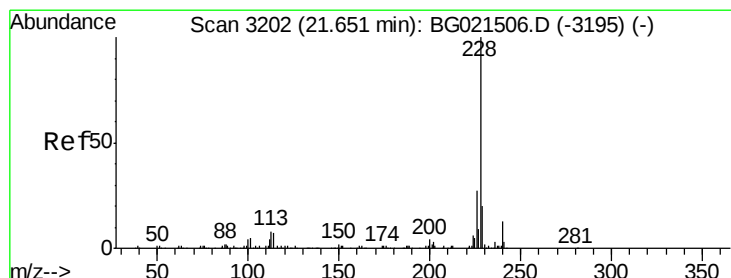
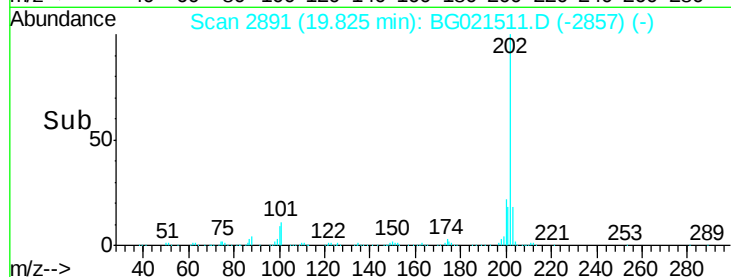
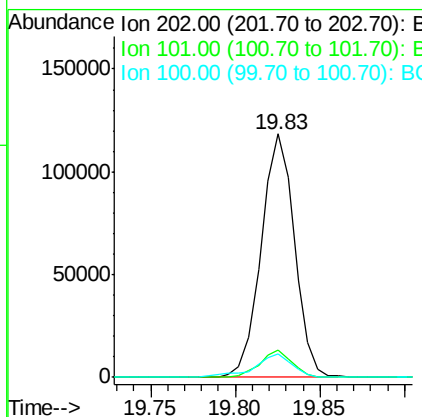
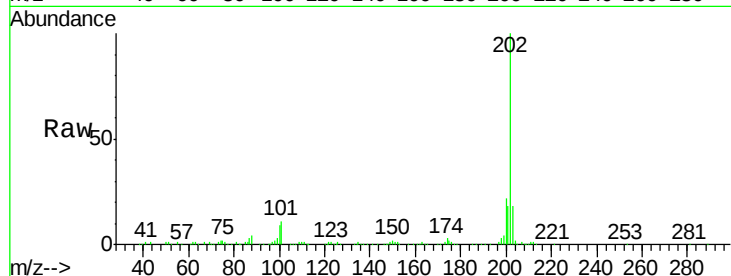




#80
 Pyrene
 Concen: 22.13 ng/ul
 RT: 19.83 min Scan# 2891
 Delta R.T. 0.00 min
 Lab File: BG021511.D
 Acq: 25 Mar 2016 12:20

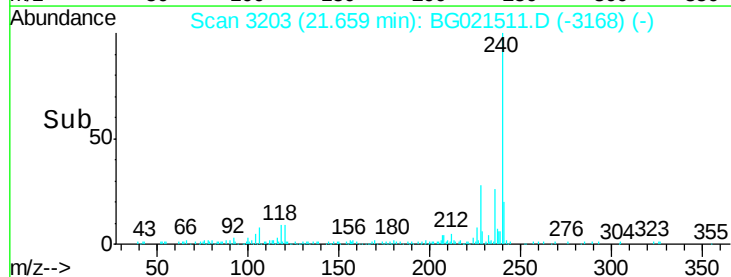
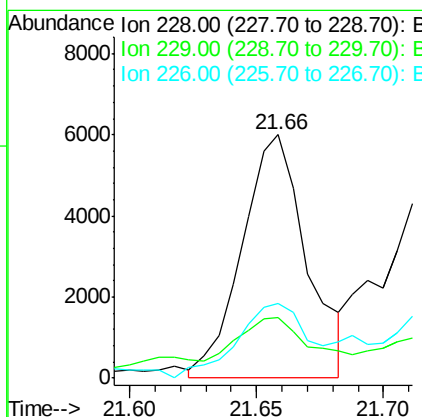
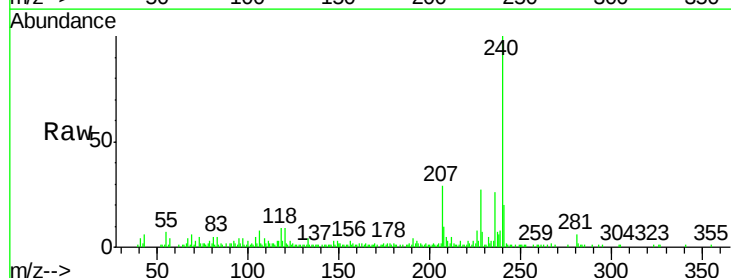
Instrument :
 BNA_G
 ClientSampleId :
 A4T45MSD

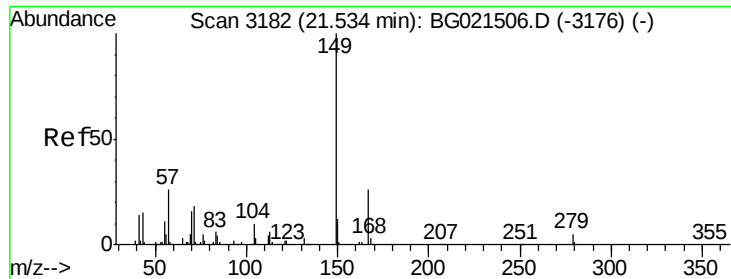
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	9.8	14.8
100	9.5	9.3	13.9



#83
 Benzo(a)anthracene
 Concen: 1.43 ng/ul
 RT: 21.66 min Scan# 3203
 Delta R.T. 0.01 min
 Lab File: BG021511.D
 Acq: 25 Mar 2016 12:20

Tgt Ion	Ratio	Lower	Upper
228	100		
229	24.9	16.6	25.0
226	30.7	21.0	31.4

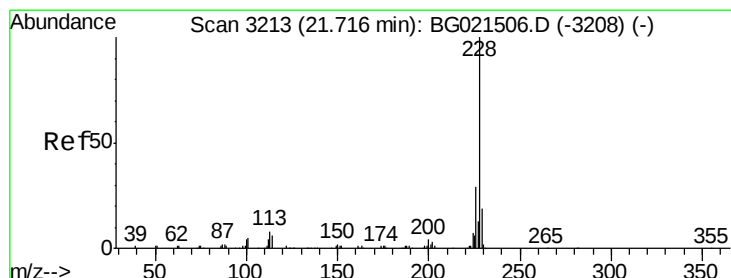
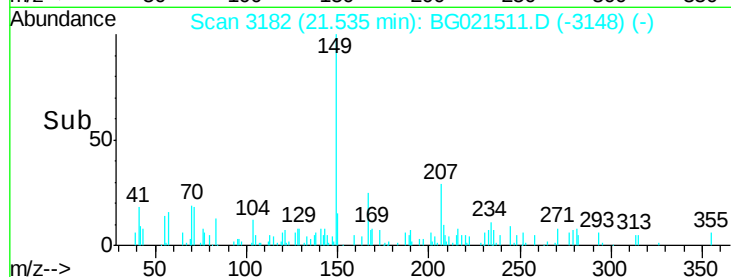
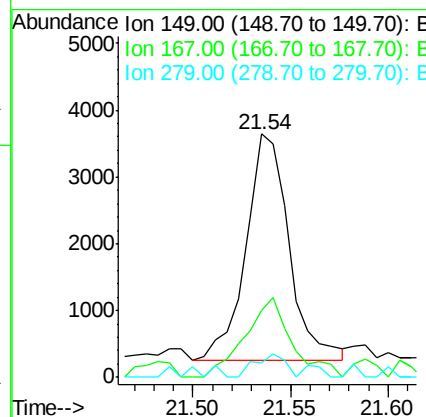
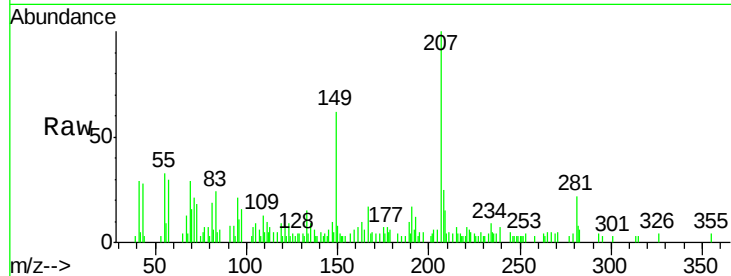




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 1.15 ng/ul
 RT: 21.54 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: BG021511.D
 Acq: 25 Mar 2016 12:20

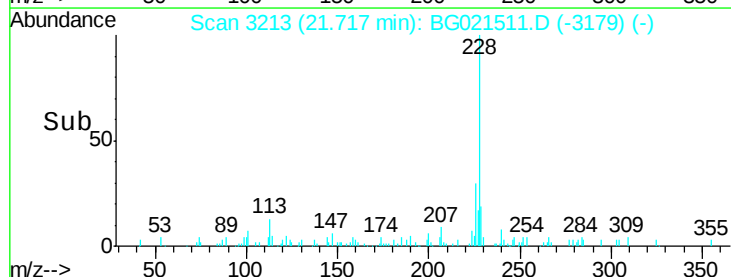
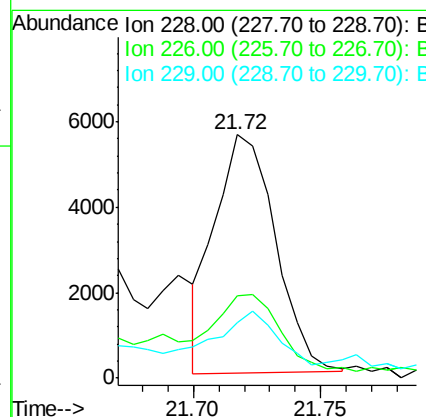
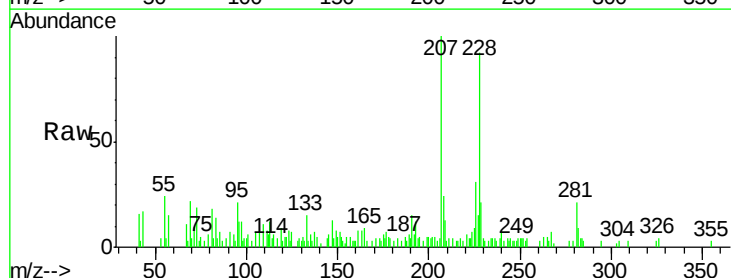
Instrument :
 BNA_G
 ClientSampleId :
 A4T45MSD

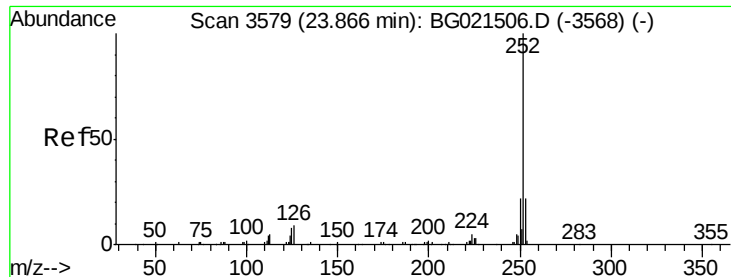
Tgt Ion:149 Resp: 5205
 Ion Ratio Lower Upper
 149 100
 167 27.4 20.5 30.7
 279 6.1 3.7 5.5#



#85
 Chrysene
 Concen: 1.32 ng/ul
 RT: 21.72 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: BG021511.D
 Acq: 25 Mar 2016 12:20

Tgt Ion:228 Resp: 9259
 Ion Ratio Lower Upper
 228 100
 226 33.6 23.4 35.2
 229 23.0 16.2 24.2





#88

Benzo(b)fluoranthene

Concen: 3.08 ng/ul

RT: 23.87 min Scan# 3580

Delta R.T. 0.01 min

Lab File: BG021511.D

Acq: 25 Mar 2016 12:20

Instrument :

BNA_G

ClientSampleId :

A4T45MSD

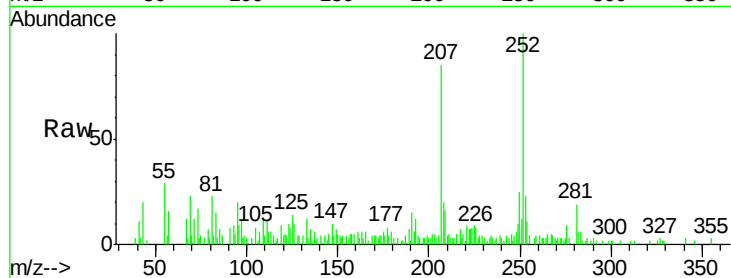
Tgt Ion:252 Resp: 24035

Ion Ratio Lower Upper

252 100

253 23.5 18.1 27.1

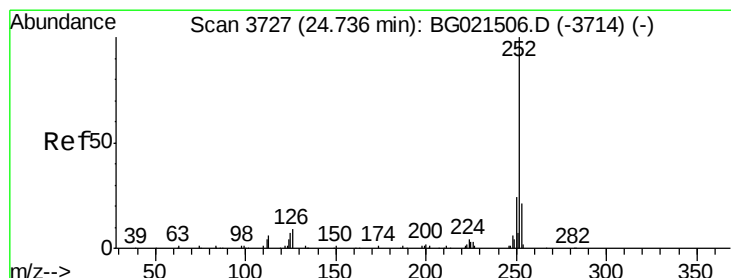
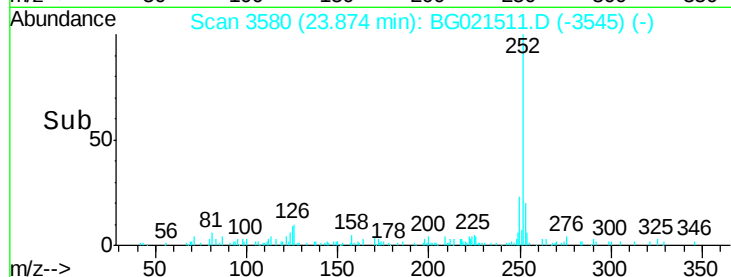
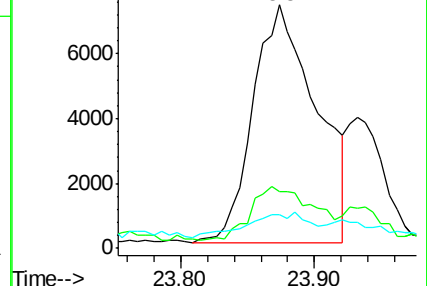
125 13.6 7.6 11.4#



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



#91

Benzo(a)pyrene

Concen: 2.55 ng/ul

RT: 24.74 min Scan# 3728

Delta R.T. 0.01 min

Lab File: BG021511.D

Acq: 25 Mar 2016 12:20

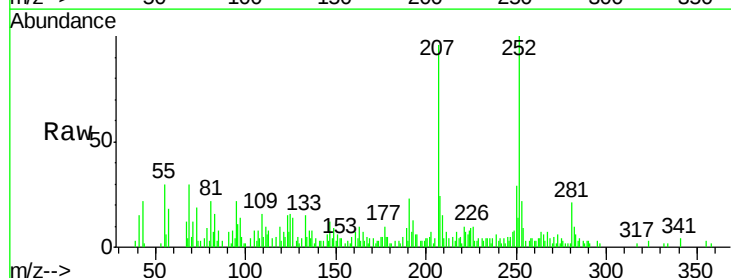
Tgt Ion:252 Resp: 19285

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

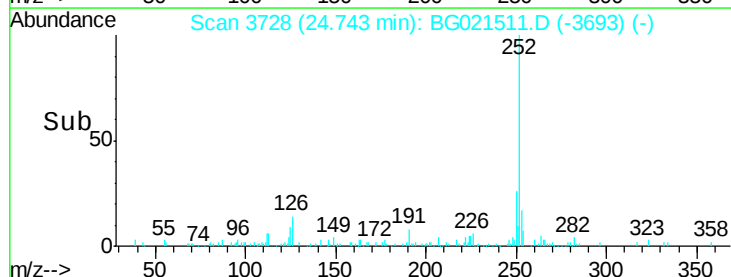
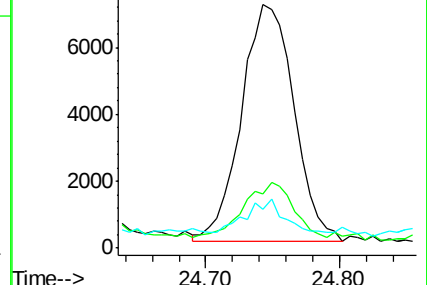
125 15.8 8.2 12.2#

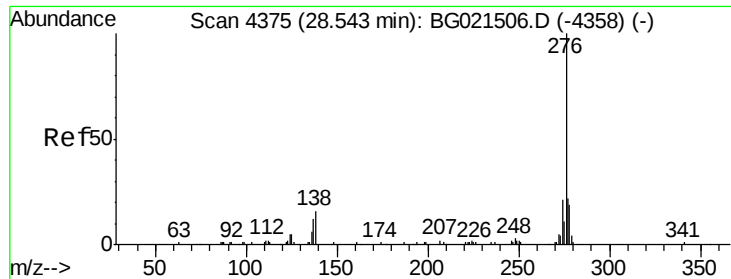


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 2.23 ng/ul

RT: 28.57 min Scan# 4380

Delta R.T. 0.03 min

Lab File: BG021511.D

Acq: 25 Mar 2016 12:20

Instrument :

BNA_G

ClientSampled :

A4T45MSD

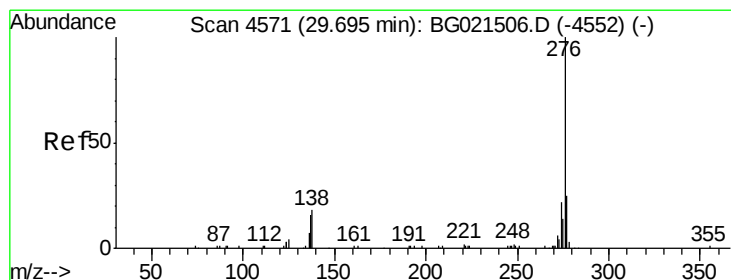
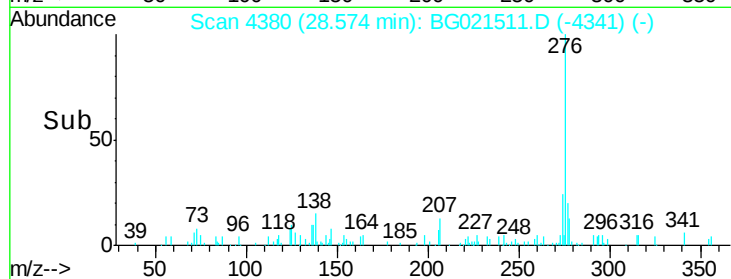
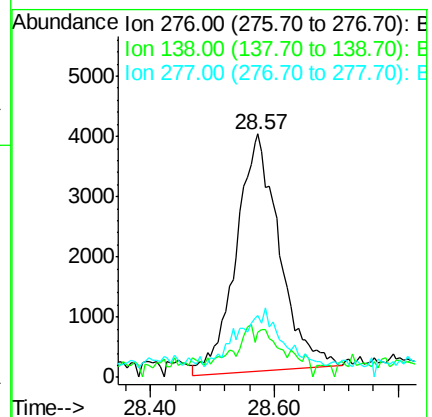
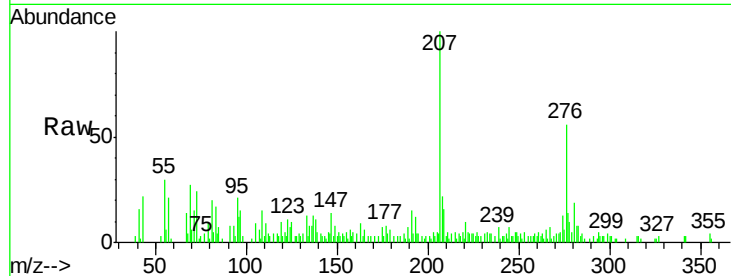
Tgt Ion:276 Resp: 19152

Ion Ratio Lower Upper

276 100

138 18.6 15.8 23.6

277 25.6 19.0 28.6



#94

Benzo(g,h,i)perylene

Concen: 1.40 ng/ul

RT: 29.72 min Scan# 4575

Delta R.T. 0.02 min

Lab File: BG021511.D

Acq: 25 Mar 2016 12:20

Tgt Ion:276 Resp: 9884

Ion Ratio Lower Upper

276 100

138 24.4 13.9 20.9#

277 27.3 19.8 29.6

