

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032416\
 Data File : BG021496.D
 Acq On : 24 Mar 2016 22:23
 Operator : UM/SJ
 Sample : H1909-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

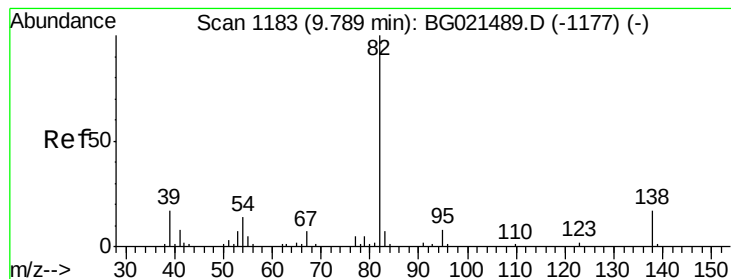
Instrument :
 BNA_G
 ClientSampleId :
 A4T48

Quant Time: Mar 25 01:23:45 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 25 01:20:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng/ul	-8.06
18) Naphthalene-d8	10.87	136	912	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.67	164	696	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.42	188	1553	20.00	ng/ul	0.00
78) Chrysene-d12	21.67	240	1809	20.00	ng/ul	0.00
86) Perylene-d12	24.89	264	737	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.46	96	858	0.00	ng/uL	0.00
5) Phenol-d5	7.34	99	23638	0.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	15690	0.00	ng/ul	0.00
9) 2-Chlorophenol-d4	7.64	132	19225	0.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	21866	0.00	ng/ul	0.00
19) Nitrobenzene-d5	9.23	128	10836	1583.67	ng/ul	0.00
22) 2-Nitrophenol-d4	9.96	143	11795	1508.10	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	21776	1557.54	ng/ul	0.00
29) 4-Chloroaniline-d4	11.01	131	30354	1660.73	ng/ul	0.00
44) Dimethylphthalate-d6	14.08	166	86357	1490.12	ng/ul	0.00
47) Acenaphthylene-d8	14.37	160	101360	1418.91	ng/ul	0.00
52) 4-Nitrophenol-d4	15.08	143	11001	1187.60	ng/ul	0.00
58) Fluorene-d10	15.67	176	76308	1460.43	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.79	200	13768	1341.93	ng/ul	0.00
71) Anthracene-d10	17.51	188	126930	1667.86	ng/ul	0.00
79) Pyrene-d10	19.79	212	147293	1746.06	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.66	264	155309	4565.89	ng/ul	0.00
Target Compounds						
21) Isophorone	9.95	82	1135	30.46	ng/ul#	69
45) Dimethylphthalate	14.13	163	26416	438.68	ng/ul	97
46) 2,6-Dinitrotoluene	14.13	165	134	10.91	ng/ul#	19
57) Diethylphthalate	15.48	149	221	3.43	ng/ul#	59
70) Phenanthrene	17.45	178	550	6.25	ng/ul#	61
72) Anthracene	17.45	178	550	6.15	ng/ul#	59
76) Di-n-butylphthalate	18.36	149	661	6.62	ng/ul#	77
77) Fluoranthene	19.46	202	1555	14.65	ng/ul#	84
80) Pyrene	19.82	202	1508	13.99	ng/ul#	77
83) Benzo(a)anthracene	21.65	228	614	5.62	ng/ul#	52
84) Bis(2-ethylhexyl)phthalate	21.54	149	2091	31.40	ng/ul#	84
85) Chrysene	21.71	228	722	6.98	ng/ul#	67
87) Di-n-octyl phthalate	22.74	149	65	1.30	ng/ul	100
88) Benzo(b)fluoranthene	23.86	252	1060	22.39	ng/ul#	59
89) Benzo(k)fluoranthene	23.95	252	58	1.25	ng/ul#	60
91) Benzo(a)pyrene	24.73	252	783	17.04	ng/ul#	60
92) Indeno(1,2,3-cd)pyrene	28.52	276	182	3.48	ng/ul#	54

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

```
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Data File : BG021496.D  
Acq On    : 24 Mar 2016   22:23  
Operator  : UM/SJ  
Sample    : H1909-14  
Misc      :  
ALS Vial  : 16      Sample Multiplier: 1
```



#21

Isophorone

Concen: 30.46 ng/ul

RT: 9.95 min Scan# 1210

Delta R.T. 0.16 min

Lab File: BG021496.D

Acq: 24 Mar 2016 22:23

Instrument :

BNA_G

ClientSampleId :

A4T48

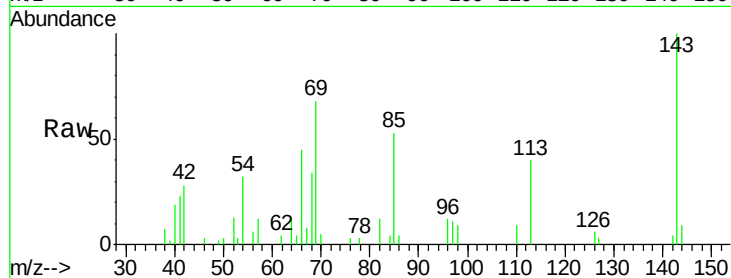
Tgt Ion: 82 Resp: 1135

Ion Ratio Lower Upper

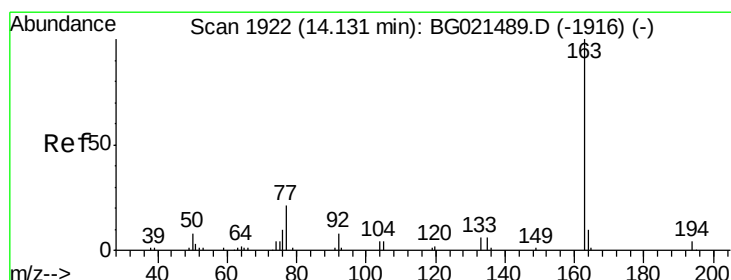
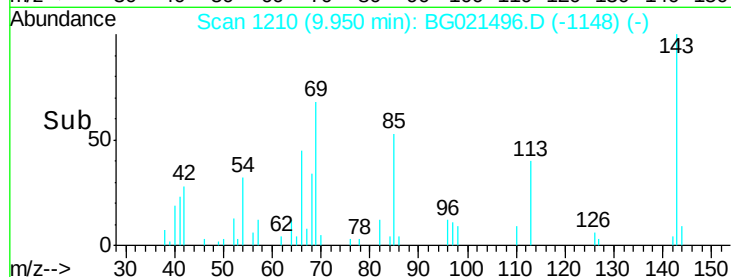
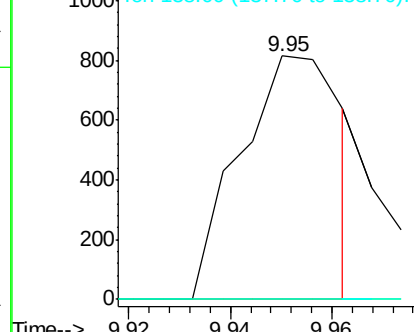
82 100

95 0.0 5.8 8.8#

138 0.0 12.2 18.2#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#45

Dimethylphthalate

Concen: 438.68 ng/ul

RT: 14.13 min Scan# 1921

Delta R.T. -0.00 min

Lab File: BG021496.D

Acq: 24 Mar 2016 22:23

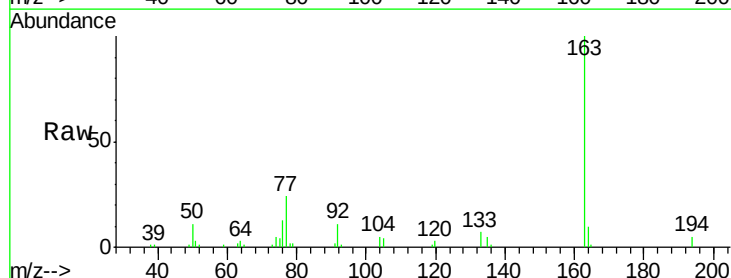
Tgt Ion: 163 Resp: 26416

Ion Ratio Lower Upper

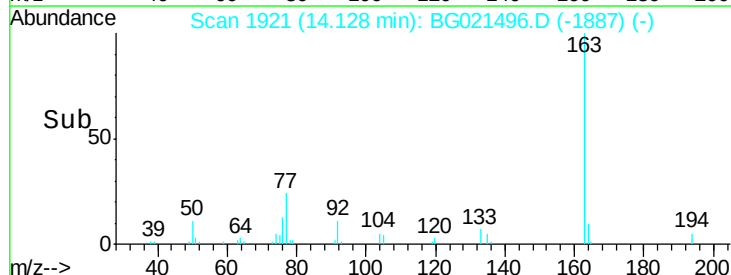
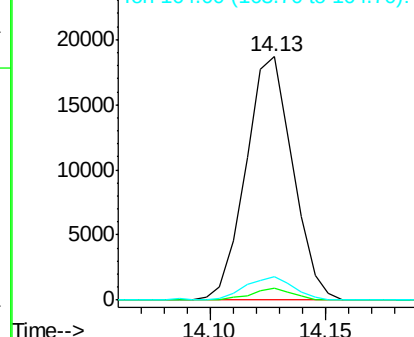
163 100

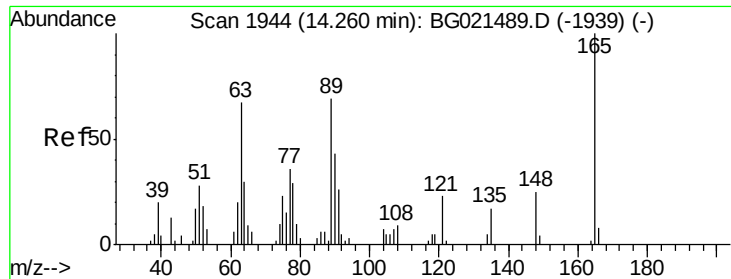
194 5.1 3.9 5.9

164 9.6 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): BGC
Ion 194.00 (193.70 to 194.70): BGC
Ion 164.00 (163.70 to 164.70): BGC





#46

2,6-Dinitrotoluene

Concen: 10.91 ng/ul

RT: 14.13 min Scan# 1921

Delta R.T. -0.13 min

Lab File: BG021496.D

Acq: 24 Mar 2016 22:23

Instrument :

BNA_G

ClientSampleId :

A4T48

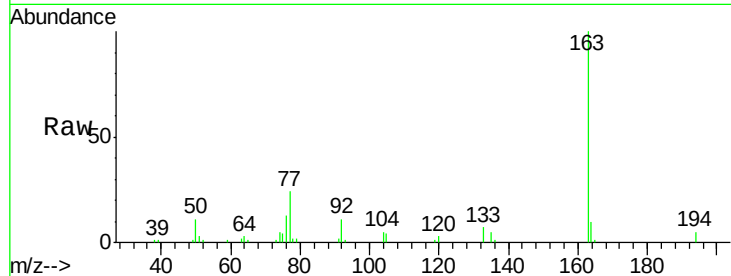
Tgt Ion:165 Resp: 134

Ion Ratio Lower Upper

165 100

89 0.0 64.6 96.8#

121 0.0 20.4 30.6#

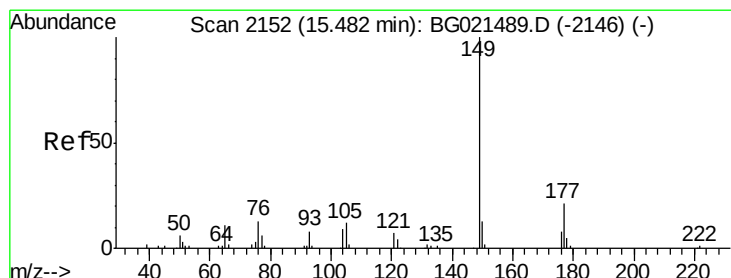
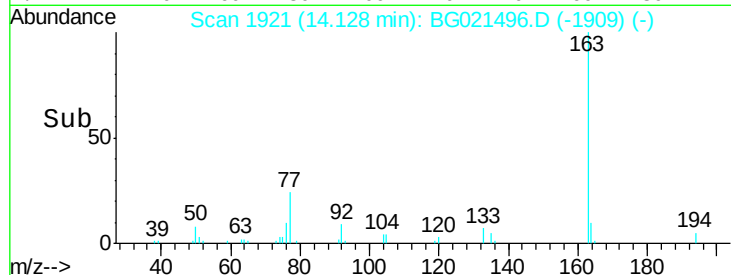
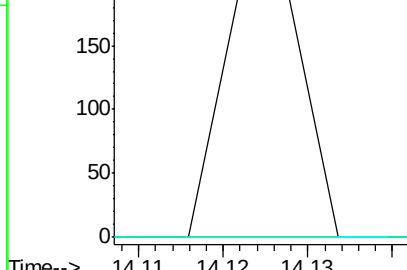


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BG

Ion 121.00 (120.70 to 121.70): E

14.13



#57

Diethylphthalate

Concen: 3.43 ng/ul

RT: 15.48 min Scan# 2151

Delta R.T. -0.00 min

Lab File: BG021496.D

Acq: 24 Mar 2016 22:23

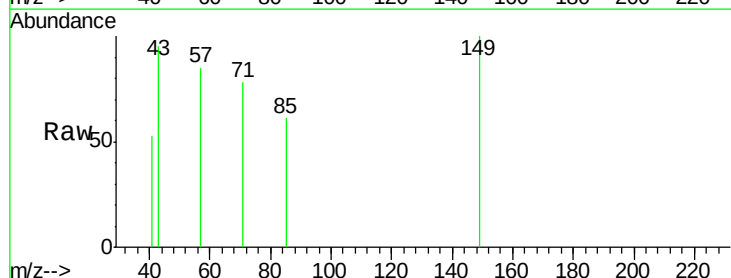
Tgt Ion:149 Resp: 221

Ion Ratio Lower Upper

149 100

177 0.0 17.4 26.2#

150 0.0 10.2 15.2#

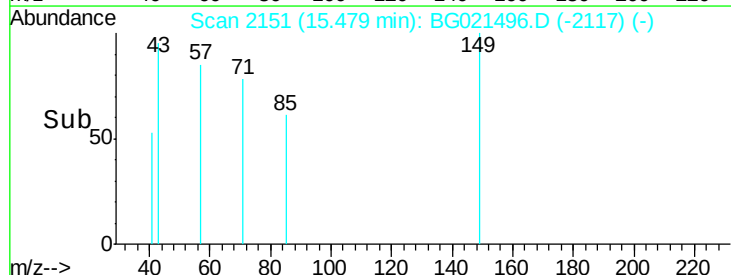
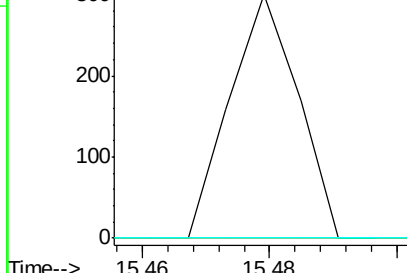


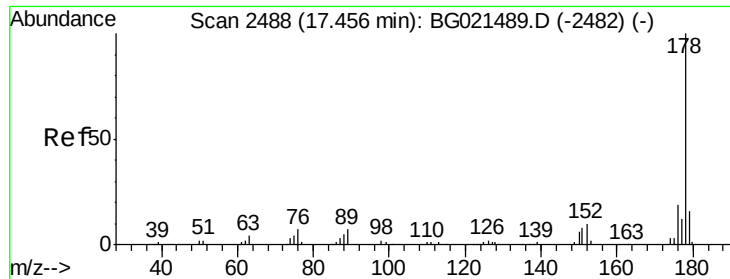
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

15.48





#70

Phenanthrene

Concen: 6.25 ng/ul

RT: 17.45 min Scan# 2487

Delta R.T. -0.00 min

Lab File: BG021496.D

Acq: 24 Mar 2016 22:23

Instrument :

BNA_G

ClientSampleId :

A4T48

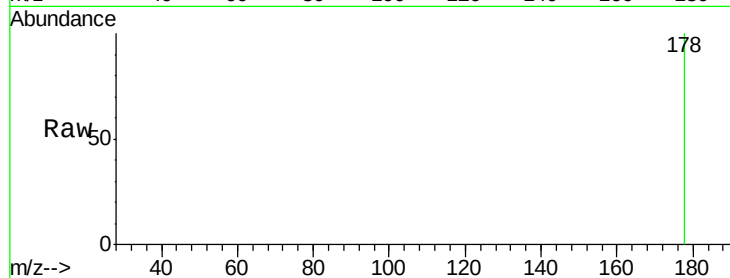
Tgt Ion:178 Resp: 550

Ion Ratio Lower Upper

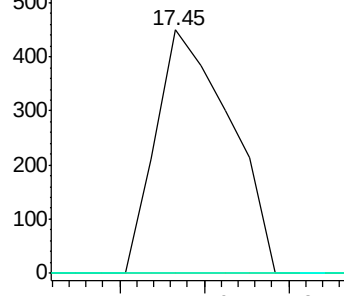
178 100

179 0.0 11.8 17.8#

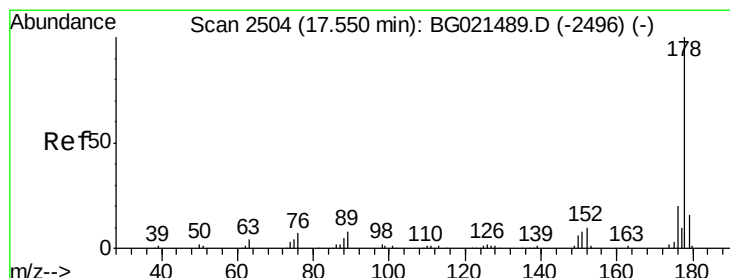
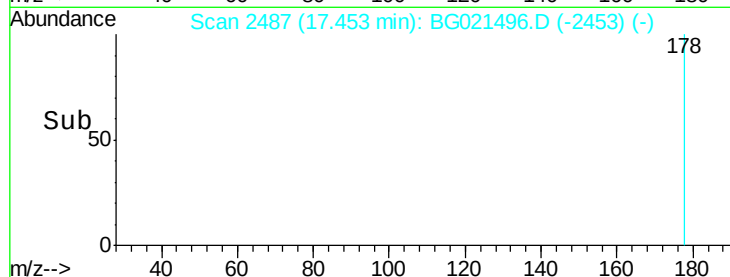
176 0.0 14.8 22.2#



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-->



#72

Anthracene

Concen: 6.15 ng/ul

RT: 17.45 min Scan# 2487

Delta R.T. -0.10 min

Lab File: BG021496.D

Acq: 24 Mar 2016 22:23

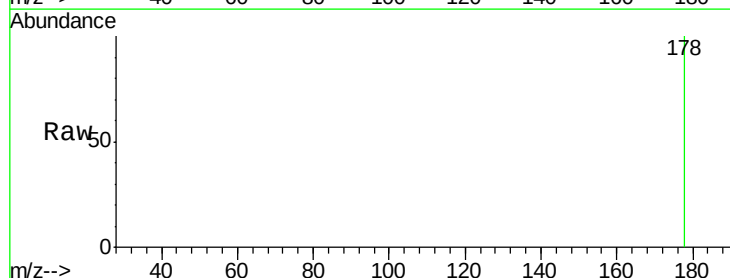
Tgt Ion:178 Resp: 550

Ion Ratio Lower Upper

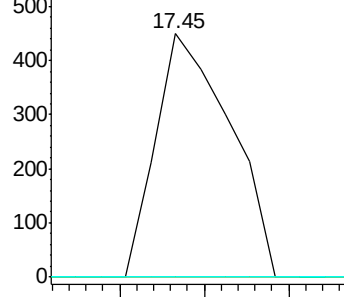
178 100

179 0.0 12.9 19.3#

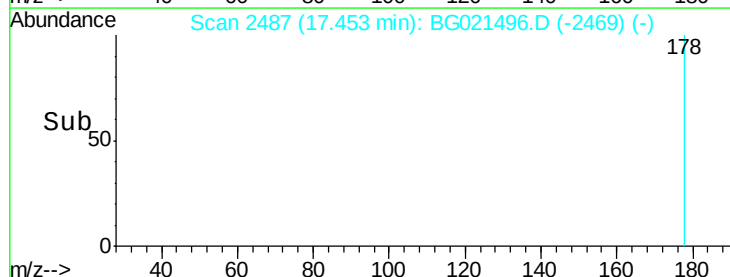
176 0.0 15.6 23.4#

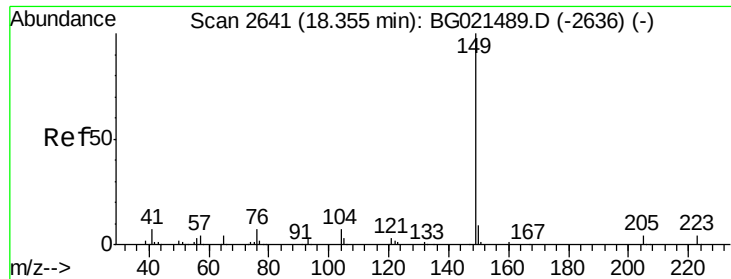


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->

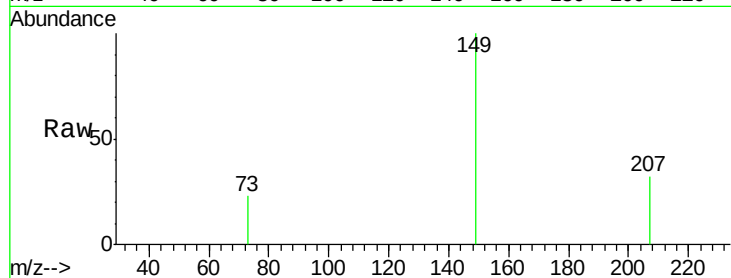




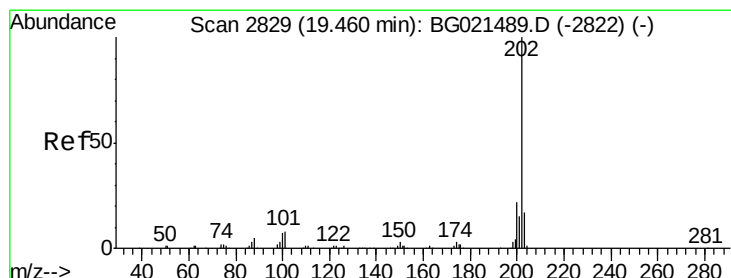
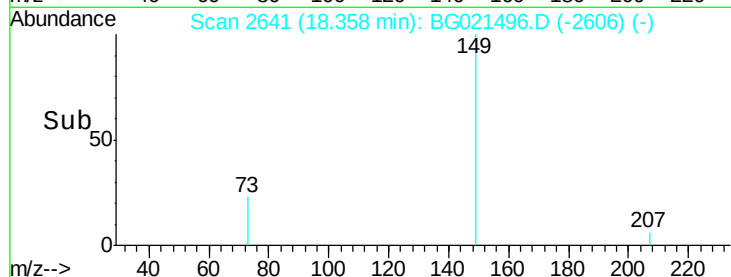
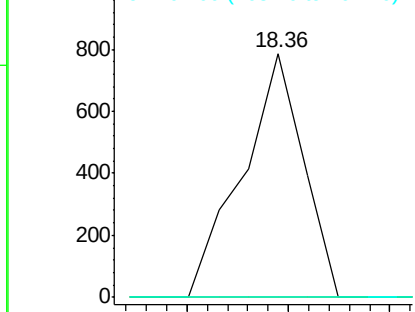
#76
Di-n-butylphthalate
Concen: 6.62 ng/ul
RT: 18.36 min Scan# 2641
Delta R.T. 0.00 min
Lab File: BG021496.D
Acq: 24 Mar 2016 22:23

Instrument :
BNA_G
ClientSampleId :
A4T48

Tgt Ion:149 Resp: 661
Ion Ratio Lower Upper
149 100
150 0.0 7.5 11.3#
104 0.0 5.4 8.2#

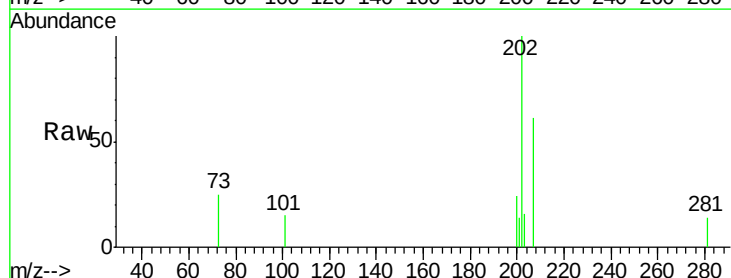


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

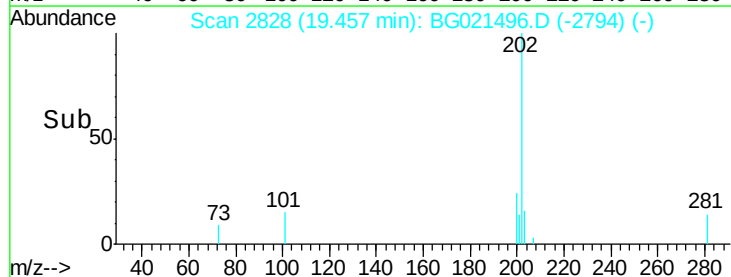
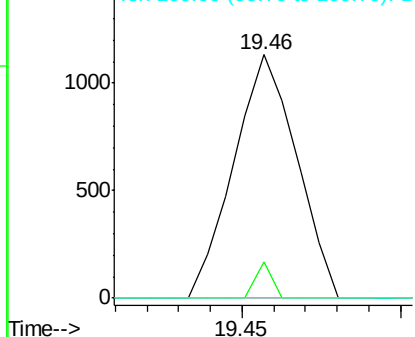


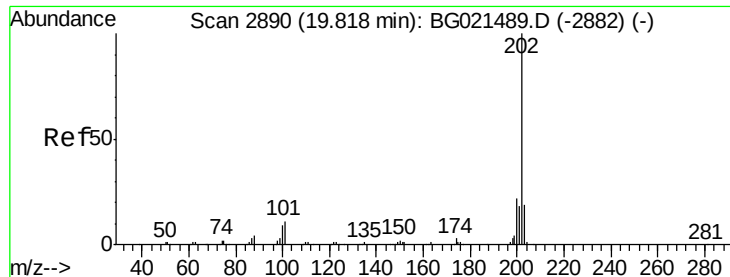
#77
Fluoranthene
Concen: 14.65 ng/ul
RT: 19.46 min Scan# 2828
Delta R.T. -0.00 min
Lab File: BG021496.D
Acq: 24 Mar 2016 22:23

Tgt Ion:202 Resp: 1555
Ion Ratio Lower Upper
202 100
101 14.7 8.9 13.3#
100 0.0 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): B





#80

Pyrene

Concen: 13.99 ng/ul

RT: 19.82 min Scan# 2889

Delta R.T. -0.00 min

Lab File: BG021496.D

Acq: 24 Mar 2016 22:23

Instrument :

BNA_G

ClientSampled :

A4T48

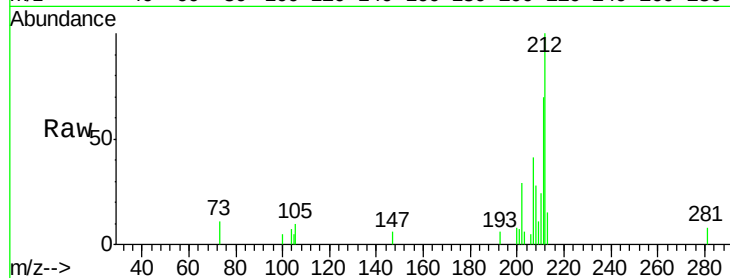
Tgt Ion:202 Resp: 1508

Ion Ratio Lower Upper

202 100

101 0.0 9.8 14.8#

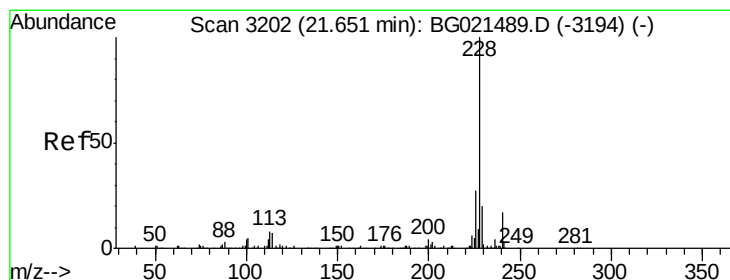
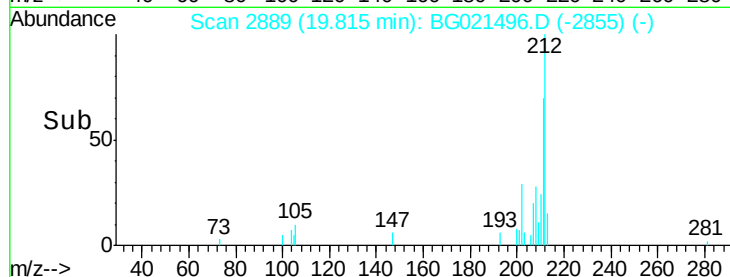
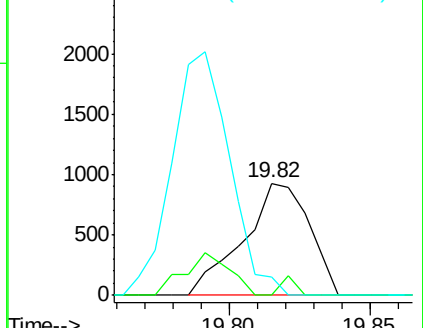
100 17.0 9.3 13.9#



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



#83

Benzo(a)anthracene

Concen: 5.62 ng/ul

RT: 21.65 min Scan# 3201

Delta R.T. -0.00 min

Lab File: BG021496.D

Acq: 24 Mar 2016 22:23

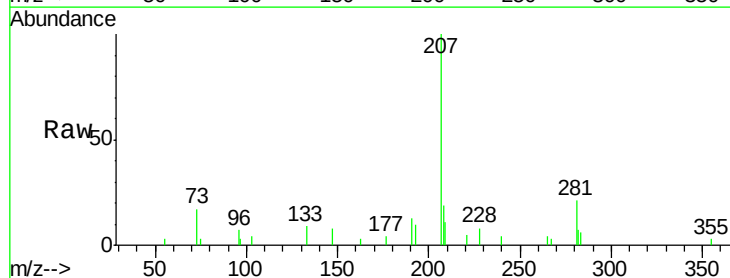
Tgt Ion:228 Resp: 614

Ion Ratio Lower Upper

228 100

229 0.0 16.6 25.0#

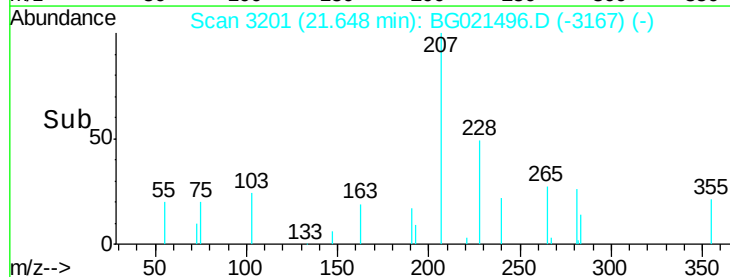
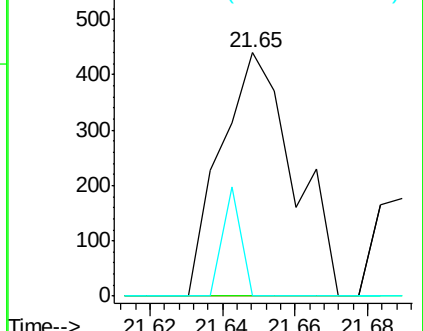
226 0.0 21.0 31.4#

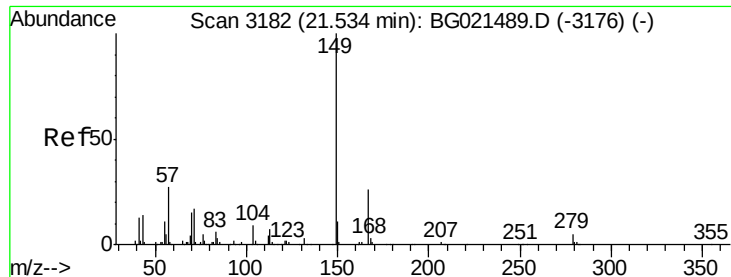


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 31.40 ng/ul

RT: 21.54 min Scan# 3182

Delta R.T. 0.00 min

Lab File: BG021496.D

Acq: 24 Mar 2016 22:23

Instrument :

BNA_G

ClientSampleId :

A4T48

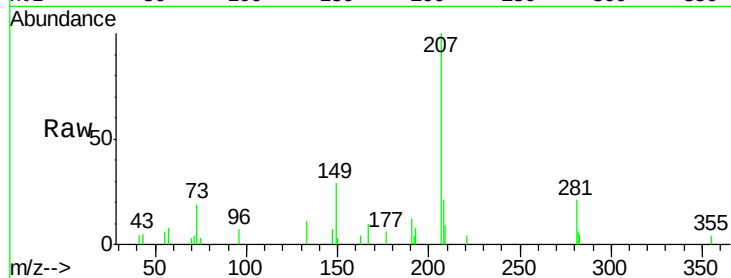
Tgt Ion:149 Resp: 2091

Ion Ratio Lower Upper

149 100

167 33.8 20.5 30.7#

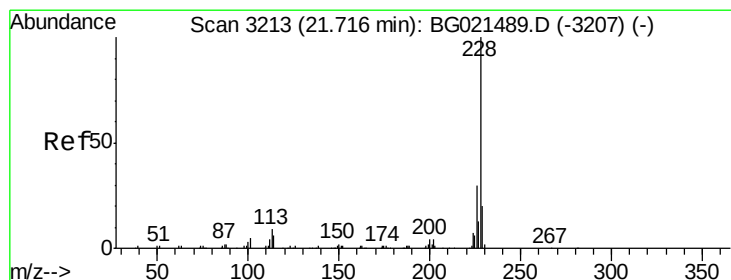
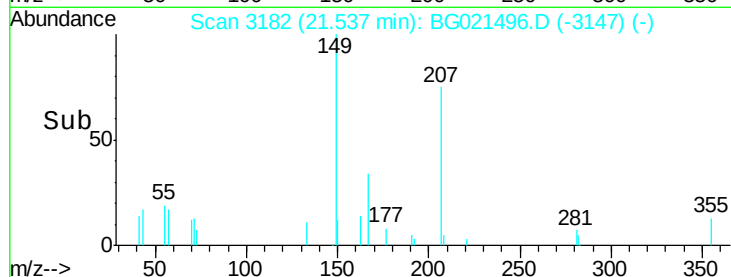
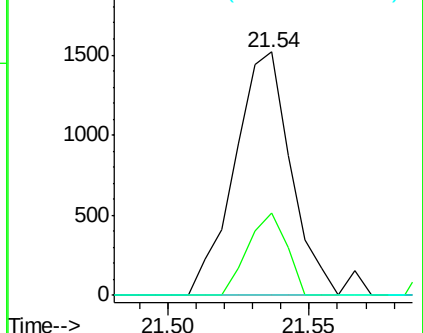
279 0.0 3.7 5.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 6.98 ng/ul

RT: 21.71 min Scan# 3212

Delta R.T. -0.00 min

Lab File: BG021496.D

Acq: 24 Mar 2016 22:23

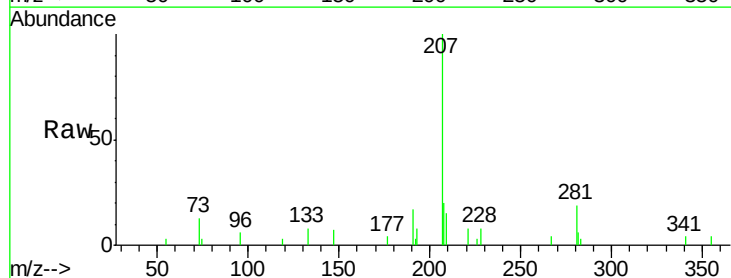
Tgt Ion:228 Resp: 722

Ion Ratio Lower Upper

228 100

226 42.7 23.4 35.2#

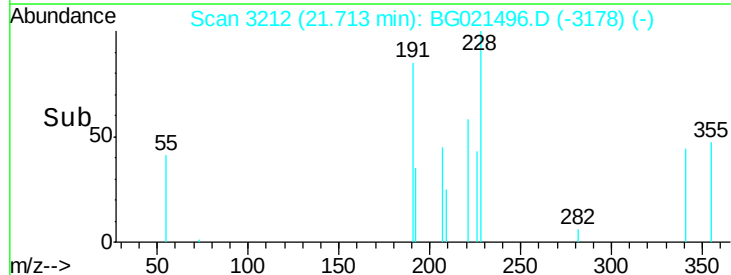
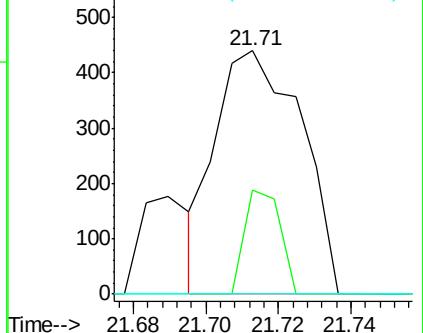
229 0.0 16.2 24.2#

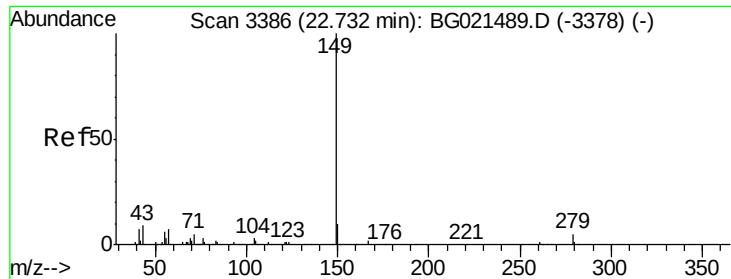


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

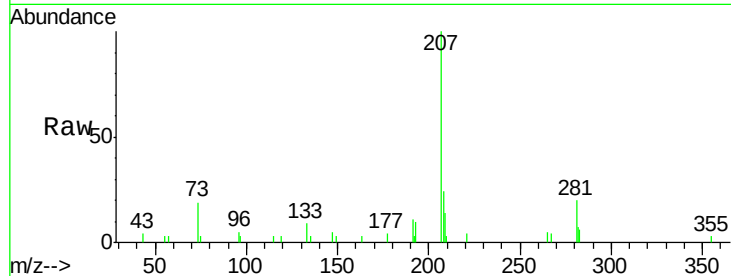




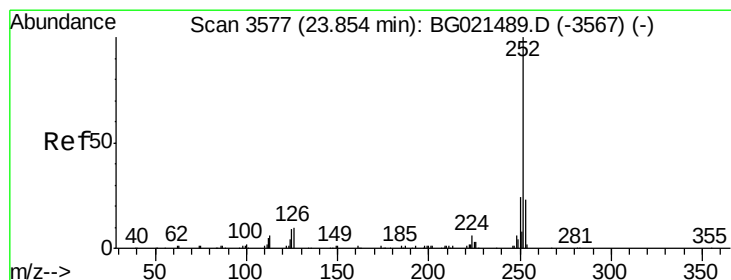
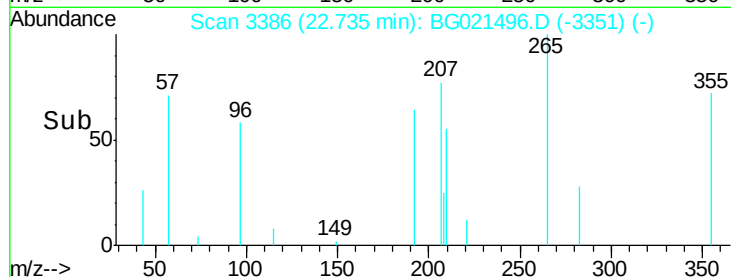
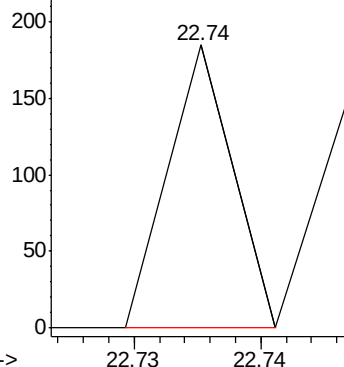
#87
 Di-n-octyl phthalate
 Concen: 1.30 ng/ul
 RT: 22.74 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: BG021496.D
 Acq: 24 Mar 2016 22:23

Instrument :
 BNA_G
 ClientSampleId :
 A4T48

Tgt Ion:149 Resp: 65

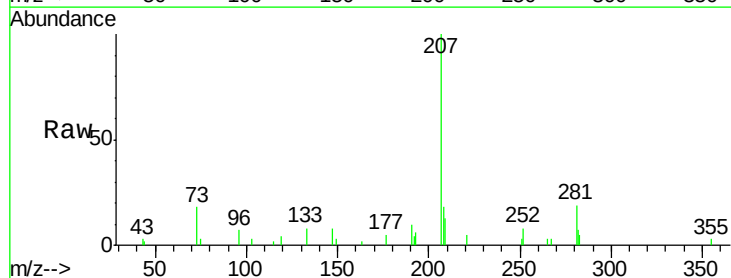


Abundance Ion 149.00 (148.70 to 149.70): E

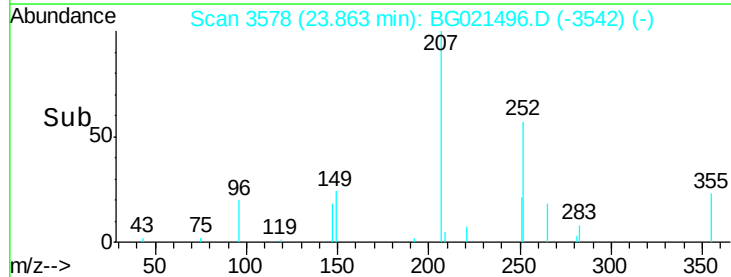
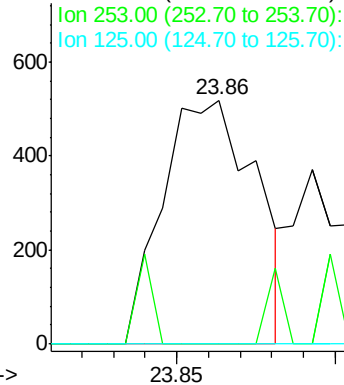


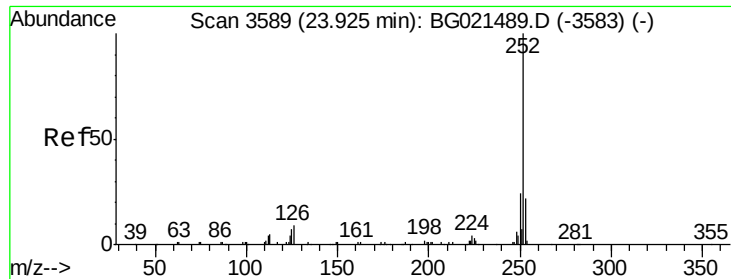
#88
 Benzo(b)fluoranthene
 Concen: 22.39 ng/ul
 RT: 23.86 min Scan# 3578
 Delta R.T. 0.01 min
 Lab File: BG021496.D
 Acq: 24 Mar 2016 22:23

Tgt Ion:252 Resp: 1060
 Ion Ratio Lower Upper
 252 100
 253 0.0 18.1 27.1#
 125 0.0 7.6 11.4#



Abundance Ion 252.00 (251.70 to 252.70): E





#89

Benzo(k)fluoranthene

Concen: 1.25 ng/ul

RT: 23.95 min Scan# 3593

Delta R.T. 0.03 min

Lab File: BG021496.D

Acq: 24 Mar 2016 22:23

Instrument :

BNA_G

ClientSampleId :

A4T48

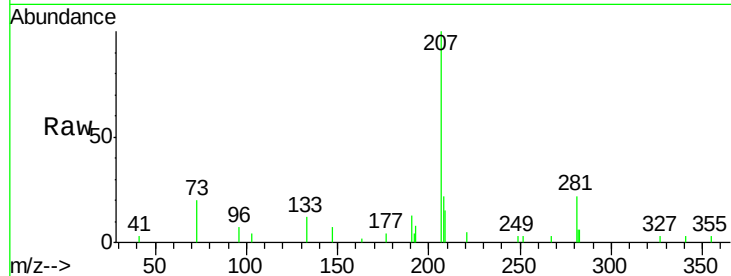
Tgt Ion:252 Resp: 58

Ion Ratio Lower Upper

252 100

253 0.0 17.8 26.8#

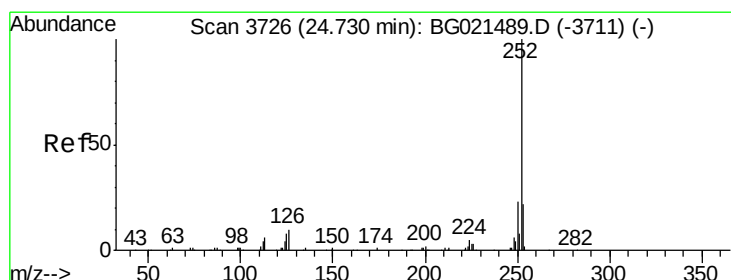
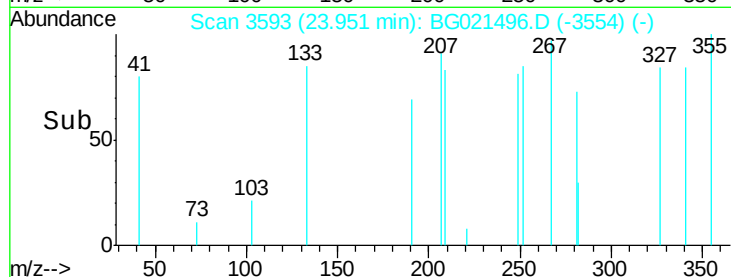
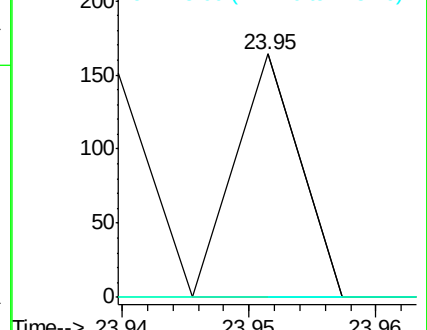
125 0.0 7.7 11.5#



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: 17.04 ng/ul

RT: 24.73 min Scan# 3726

Delta R.T. 0.00 min

Lab File: BG021496.D

Acq: 24 Mar 2016 22:23

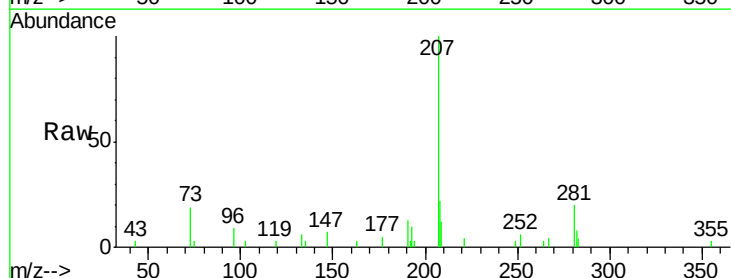
Tgt Ion:252 Resp: 783

Ion Ratio Lower Upper

252 100

253 0.0 17.4 26.0#

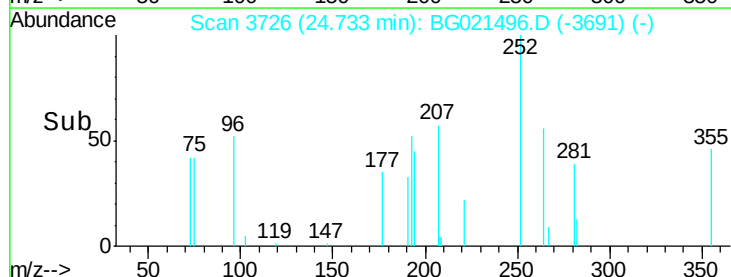
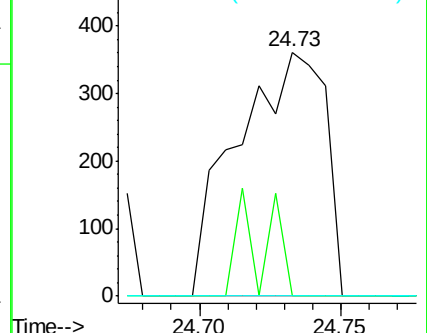
125 0.0 8.2 12.2#

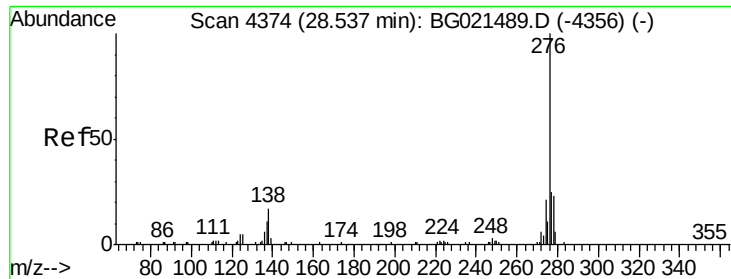


Abundance Ion 252.00 (251.70 to 252.70): E

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: 3.48 ng/ul

RT: 28.52 min Scan# 4370

Delta R.T. -0.02 min

Lab File: BG021496.D

Acq: 24 Mar 2016 22:23

Instrument :

BNA_G

ClientSampleId :

A4T48

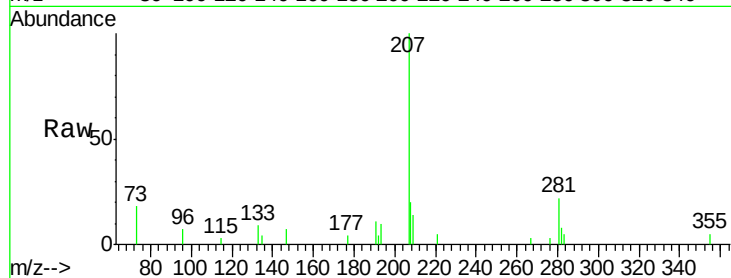
Tgt Ion:276 Resp: 182

Ion Ratio Lower Upper

276 100

138 0.0 15.8 23.6#

277 0.0 19.0 28.6#



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

