

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032416\
 Data File : BG021498.D
 Acq On : 24 Mar 2016 23:42
 Operator : UM/SJ
 Sample : H1909-16
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4T50

Quant Time: Mar 25 01:24:04 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	976	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.67	164	704	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.42	188	1745	20.00	ng/ul	0.00
78) Chrysene-d12	21.67	240	1890	20.00	ng/ul	0.00
86) Perylene-d12	24.88	264	1935	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	1046	0.00	ng/uL	0.00
5) Phenol-d5	7.34	99	26844	0.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	17863	0.00	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	22402	0.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	24897	0.00	ng/ul	0.00
19) Nitrobenzene-d5	9.23	128	12253	1673.33	ng/ul	0.00
22) 2-Nitrophenol-d4	9.96	143	14027	1675.88	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	25292	1690.40	ng/ul	0.00
29) 4-Chloroaniline-d4	11.01	131	34874	1782.92	ng/ul	0.00
44) Dimethylphthalate-d6	14.08	166	90577	1545.18	ng/ul	0.00
47) Acenaphthylene-d8	14.37	160	114001	1577.73	ng/ul	0.00
52) 4-Nitrophenol-d4	15.09	143	8372	893.52	ng/ul	0.02
58) Fluorene-d10	15.67	176	81954	1550.66	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.79	200	12994	1127.14	ng/ul	0.00
71) Anthracene-d10	17.51	188	128483	1502.51	ng/ul	0.00
79) Pyrene-d10	19.79	212	143120	1623.88	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.66	264	148272	1660.26	ng/ul	0.00

Target Compounds

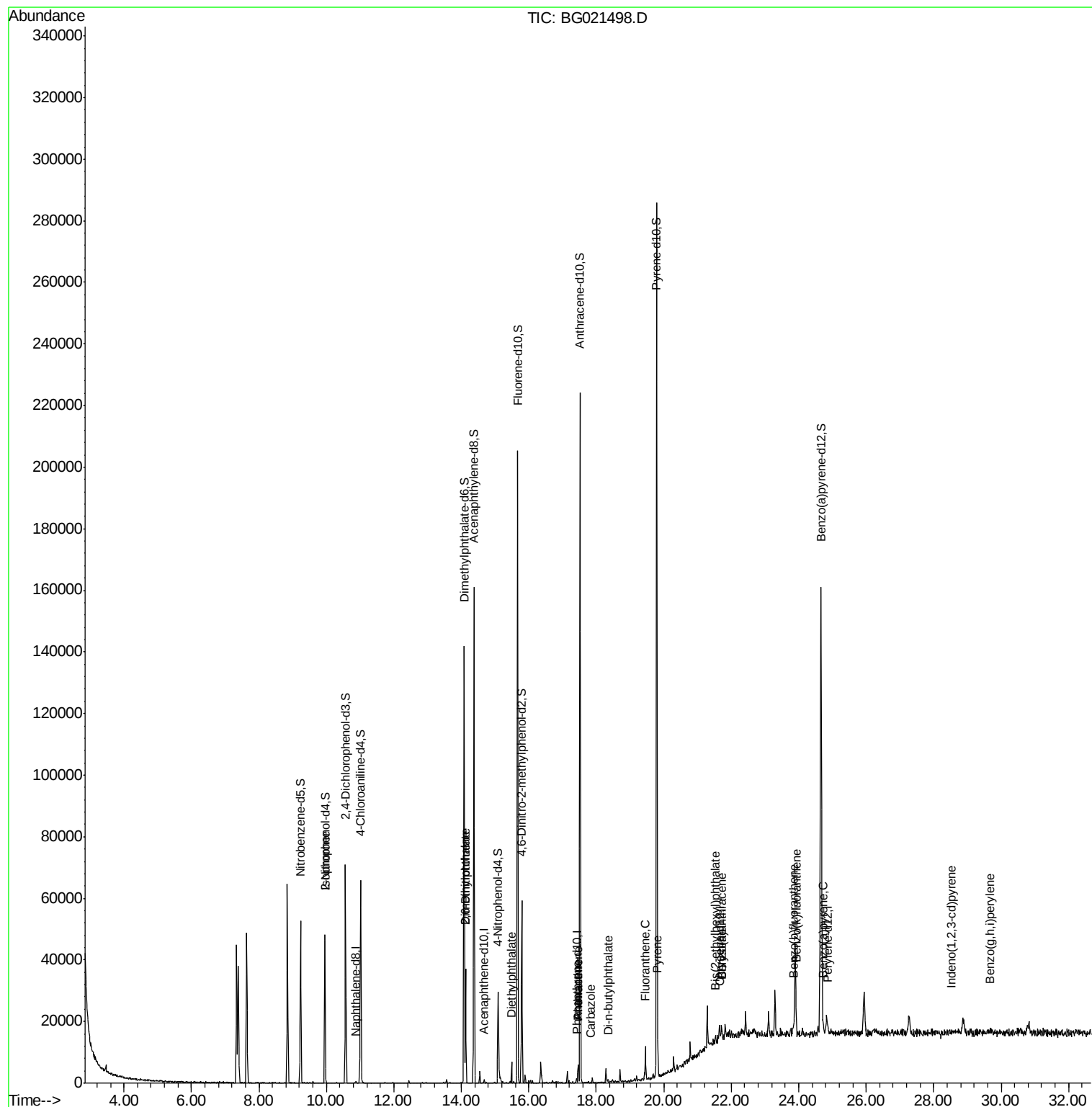
						Qvalue
21) Isophorone	9.95	82	1449	36.34	ng/ul#	69
45) Dimethylphthalate	14.13	163	23514	386.05	ng/ul	96
46) 2,6-Dinitrotoluene	14.12	165	63	5.07	ng/ul#	19
57) Diethylphthalate	15.48	149	287	4.41	ng/ul#	59
70) Phenanthrene	17.46	178	4622	46.77	ng/ul	98
72) Anthracene	17.46	178	4622	45.97	ng/ul	99
75) Carbazole	17.83	167	144	1.66	ng/ul#	56
76) Di-n-butylphthalate	18.36	149	591	5.27	ng/ul#	77
77) Fluoranthene	19.46	202	7357	61.69	ng/ul#	98
80) Pyrene	19.82	202	7148	63.47	ng/ul#	96
83) Benzo(a)anthracene	21.71	228	3641	31.91	ng/ul	93
84) Bis(2-ethylhexyl)phthalate	21.53	149	1226	17.62	ng/ul#	74
85) Chrysene	21.71	228	3641	33.70	ng/ul	96
88) Benzo(b)fluoranthene	23.85	252	5381	43.29	ng/ul#	78
89) Benzo(k)fluoranthene	23.93	252	1216	9.96	ng/ul#	83
91) Benzo(a)pyrene	24.73	252	3837	31.80	ng/ul#	97
92) Indeno(1,2,3-cd)pyrene	28.52	276	897	6.54	ng/ul#	54
94) Benzo(g,h,i)perylene	29.67	276	393	3.49	ng/ul#	72

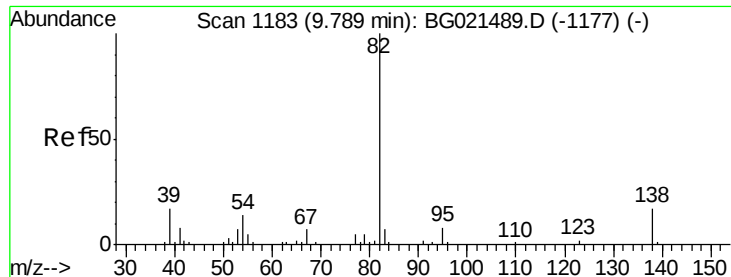
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 25 01:20:42 2016
Response via : Initial Calibration





#21

Isophorone

Concen: 36.34 ng/ul

RT: 9.95 min Scan# 1210

Delta R.T. 0.16 min

Lab File: BG021498.D

Acq: 24 Mar 2016 23:42

Instrument :

BNA_G

ClientSampleId :

A4T50

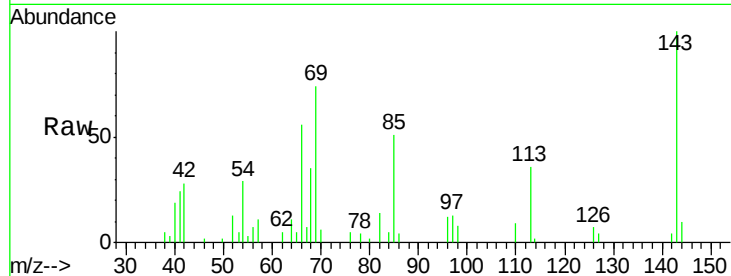
Tgt Ion: 82 Resp: 1449

Ion Ratio Lower Upper

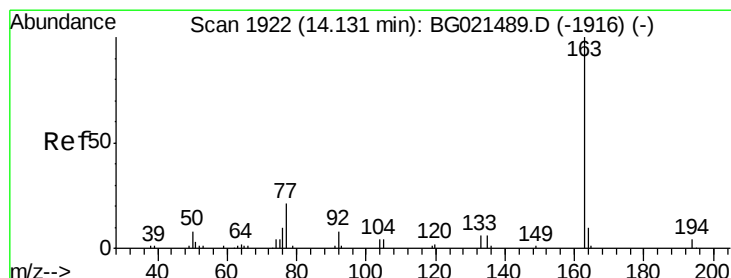
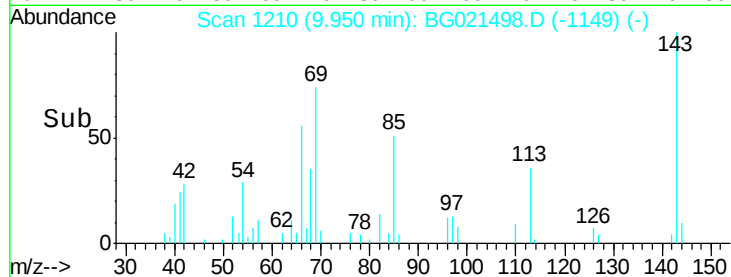
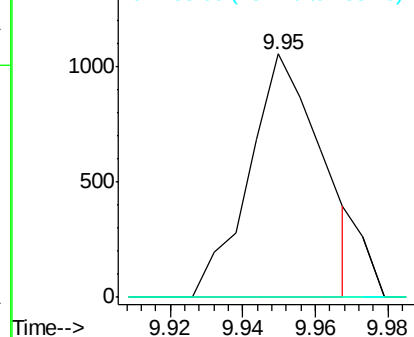
82 100

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: 386.05 ng/ul

RT: 14.13 min Scan# 1921

Delta R.T. -0.00 min

Lab File: BG021498.D

Acq: 24 Mar 2016 23:42

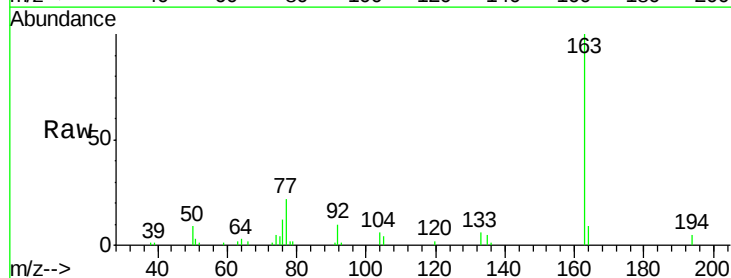
Tgt Ion:163 Resp: 23514

Ion Ratio Lower Upper

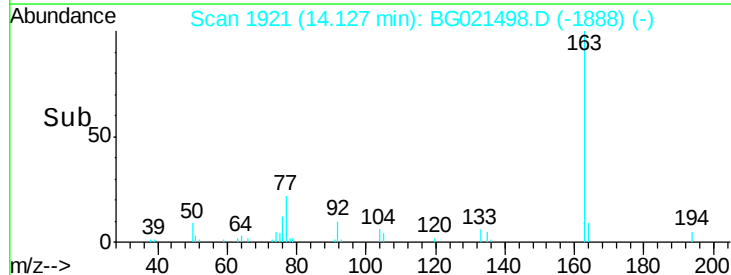
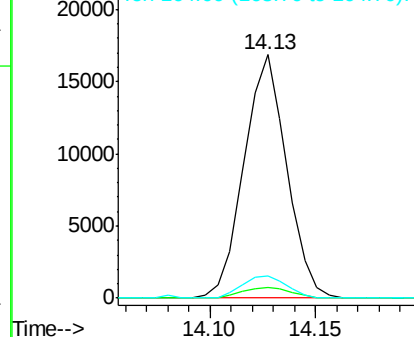
163 100

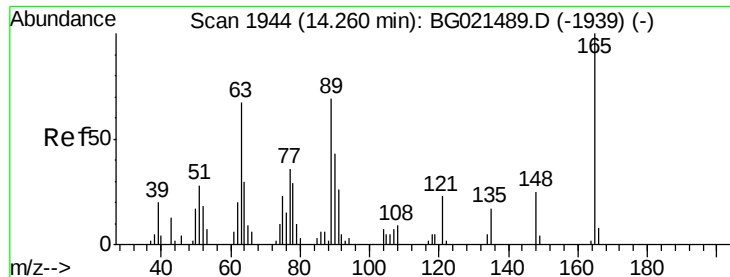
194 4.6 3.9 5.9

164 9.0 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

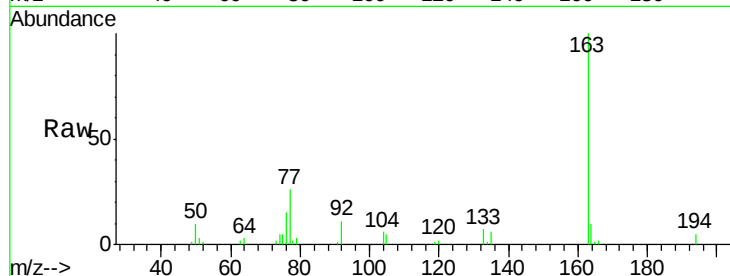




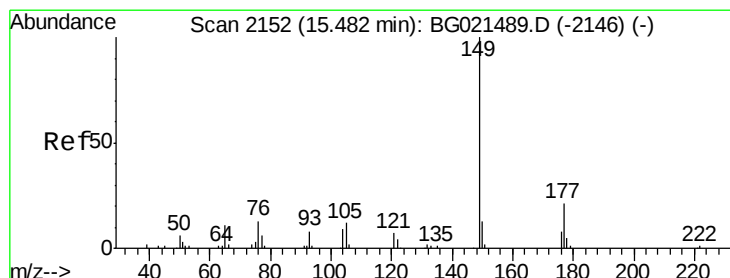
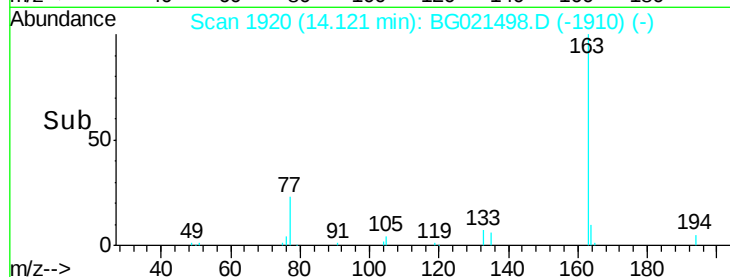
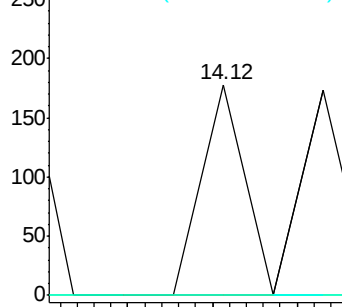
#46
 2,6-Dinitrotoluene
 Concen: 5.07 ng/ul
 RT: 14.12 min Scan# 1920
 Delta R.T. -0.14 min
 Lab File: BG021498.D
 Acq: 24 Mar 2016 23:42

Instrument :
 BNA_G
 ClientSampled :
 A4T50

Tgt Ion:165 Resp: 63
 Ion Ratio Lower Upper
 165 100
 89 0.0 64.6 96.8#
 121 0.0 20.4 30.6#

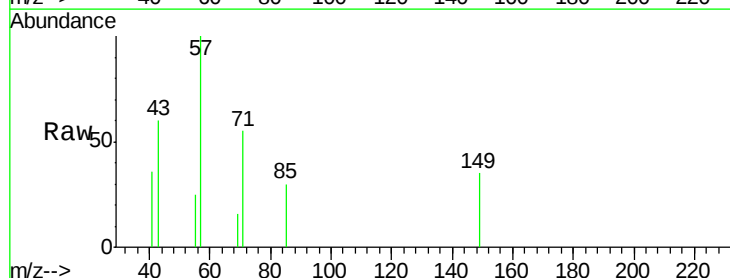


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 89.00 (88.70 to 89.70): BG
 Ion 121.00 (120.70 to 121.70): E

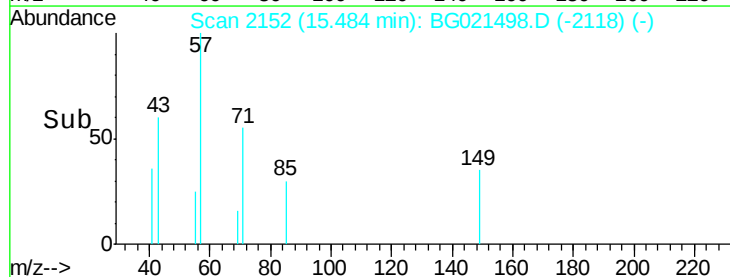
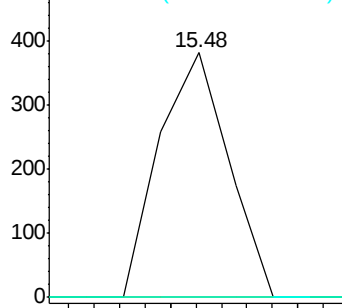


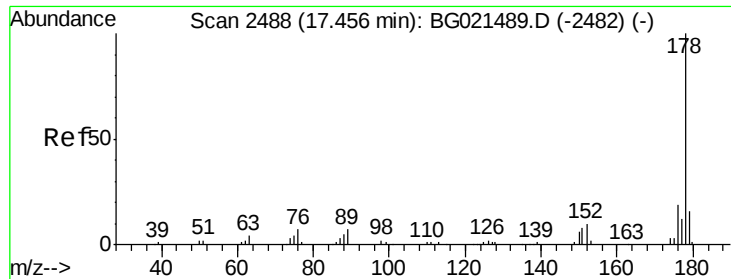
#57
 Diethylphthalate
 Concen: 4.41 ng/ul
 RT: 15.48 min Scan# 2152
 Delta R.T. 0.00 min
 Lab File: BG021498.D
 Acq: 24 Mar 2016 23:42

Tgt Ion:149 Resp: 287
 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





#70

Phenanthrene

Concen: 46.77 ng/ul

RT: 17.46 min Scan# 2488

Delta R.T. 0.00 min

Lab File: BG021498.D

Acq: 24 Mar 2016 23:42

Instrument :

BNA_G

ClientSampleId :

A4T50

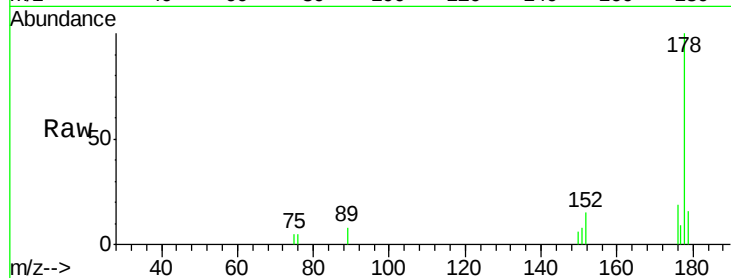
Tgt Ion:178 Resp: 4622

Ion Ratio Lower Upper

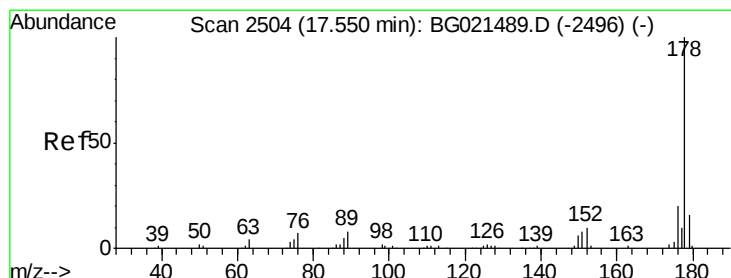
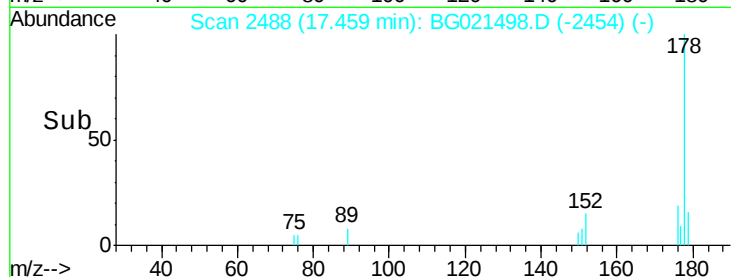
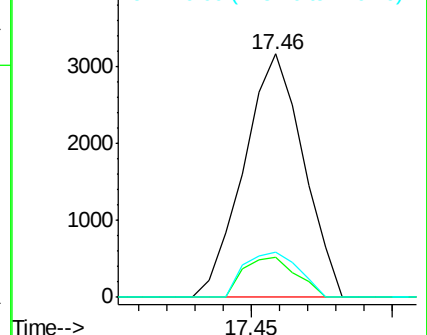
178 100

179 16.3 11.8 17.8

176 18.6 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



#72

Anthracene

Concen: 45.97 ng/ul

RT: 17.46 min Scan# 2488

Delta R.T. -0.09 min

Lab File: BG021498.D

Acq: 24 Mar 2016 23:42

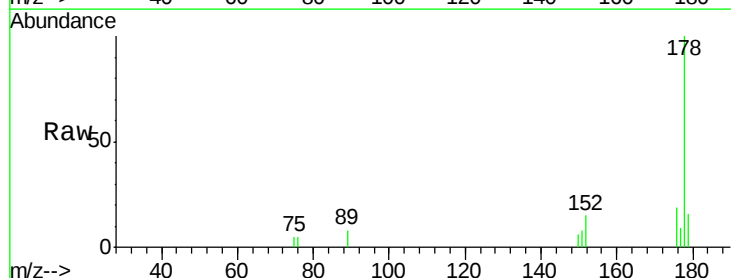
Tgt Ion:178 Resp: 4622

Ion Ratio Lower Upper

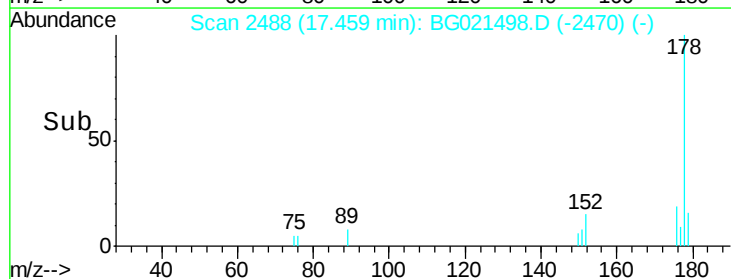
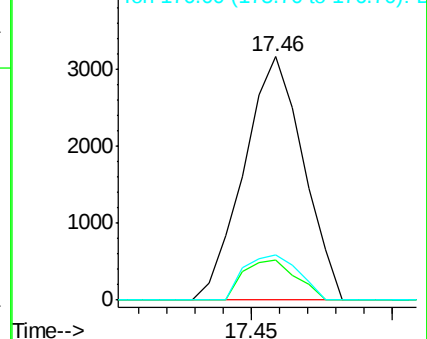
178 100

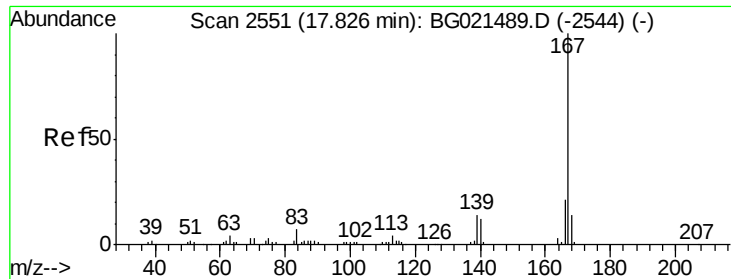
179 16.3 12.9 19.3

176 18.6 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





#75

Carbazole

Concen: 1.66 ng/ul

RT: 17.83 min Scan# 2551

Delta R.T. 0.00 min

Lab File: BG021498.D

Acq: 24 Mar 2016 23:42

Instrument :

BNA_G

ClientSampleId :

A4T50

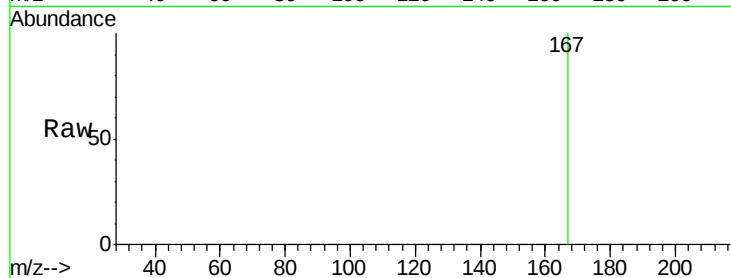
Tgt Ion:167 Resp: 144

Ion Ratio Lower Upper

167 100

166 0.0 19.0 28.4#

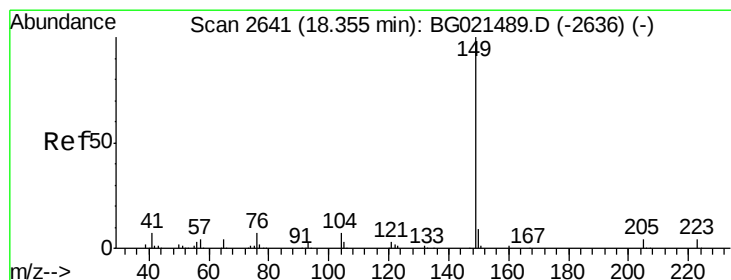
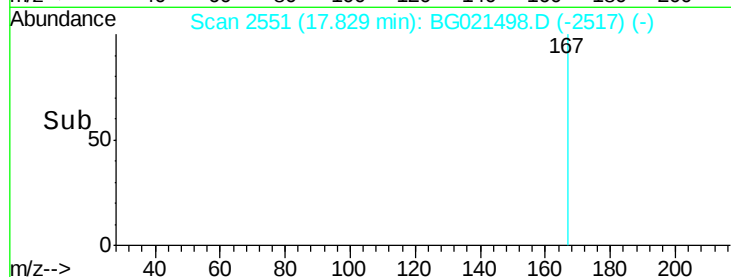
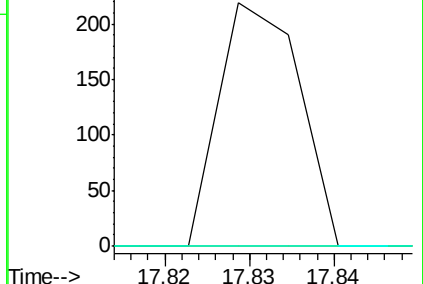
139 0.0 12.2 18.4#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76

Di-n-butylphthalate

Concen: 5.27 ng/ul

RT: 18.36 min Scan# 2641

Delta R.T. 0.00 min

Lab File: BG021498.D

Acq: 24 Mar 2016 23:42

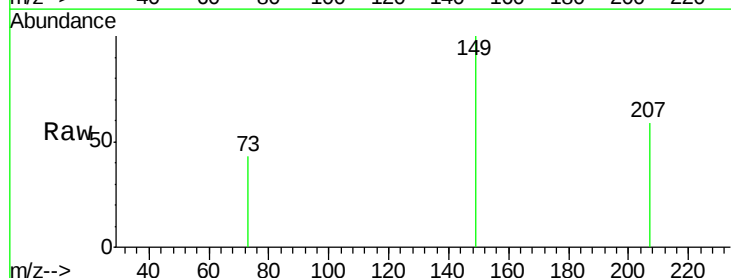
Tgt Ion:149 Resp: 591

Ion Ratio Lower Upper

149 100

150 0.0 7.5 11.3#

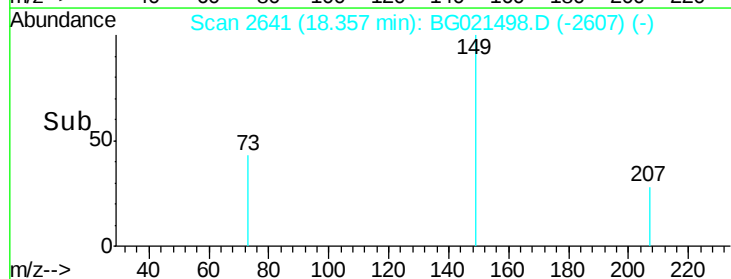
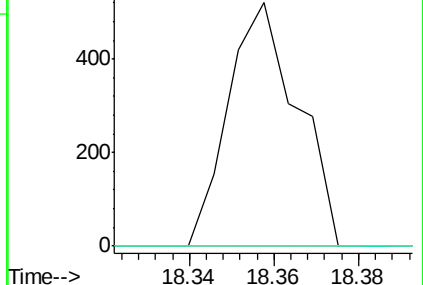
104 0.0 5.4 8.2#

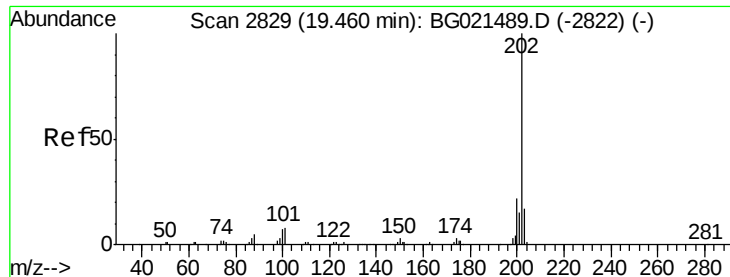


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#77

Fluoranthene

Concen: 61.69 ng/ul

RT: 19.46 min Scan# 2828

Delta R.T. -0.00 min

Lab File: BG021498.D

Acq: 24 Mar 2016 23:42

Instrument :

BNA_G

ClientSampleId :

A4T50

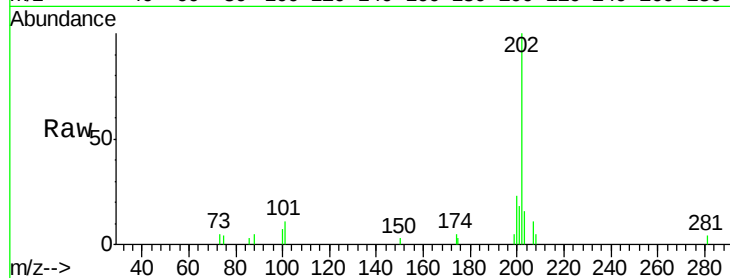
Tgt Ion:202 Resp: 7357

Ion Ratio Lower Upper

202 100

101 11.1 8.9 13.3

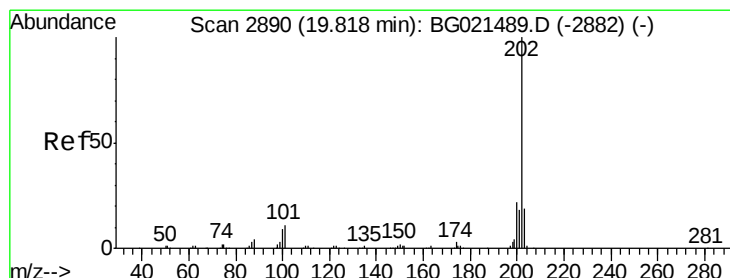
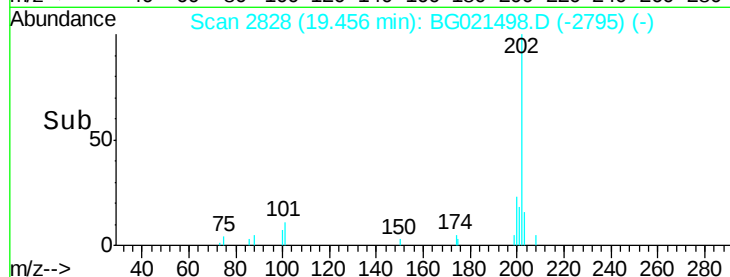
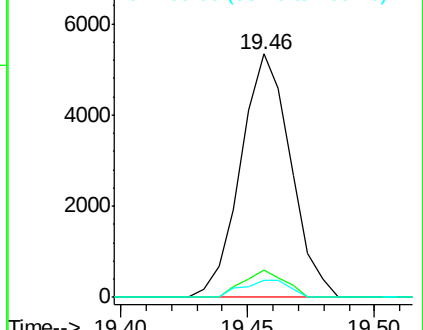
100 6.9 7.0 10.4#



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: 63.47 ng/ul

RT: 19.82 min Scan# 2890

Delta R.T. 0.00 min

Lab File: BG021498.D

Acq: 24 Mar 2016 23:42

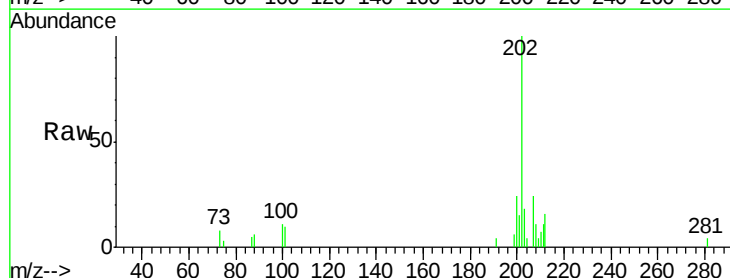
Tgt Ion:202 Resp: 7148

Ion Ratio Lower Upper

202 100

101 9.6 9.8 14.8#

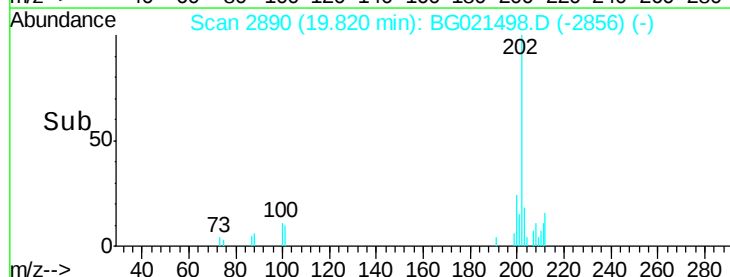
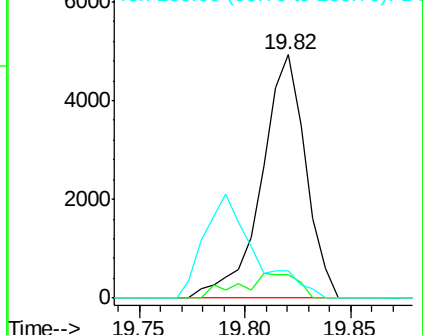
100 11.2 9.3 13.9

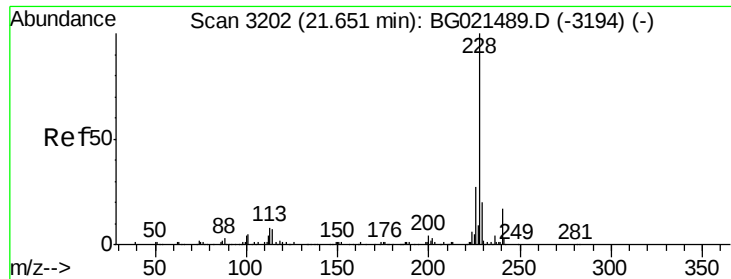


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

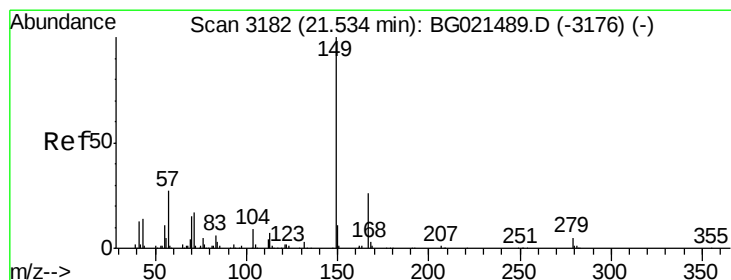
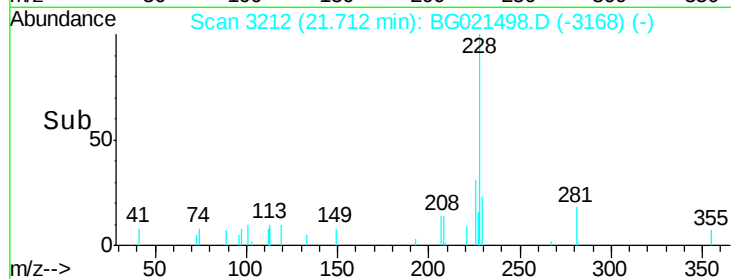
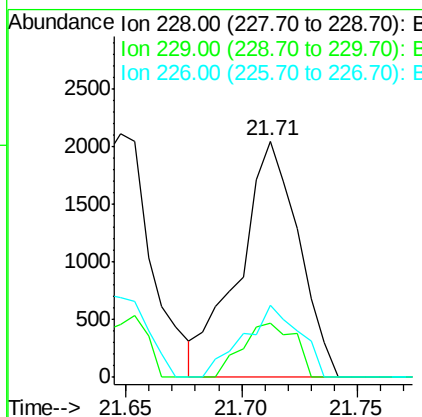
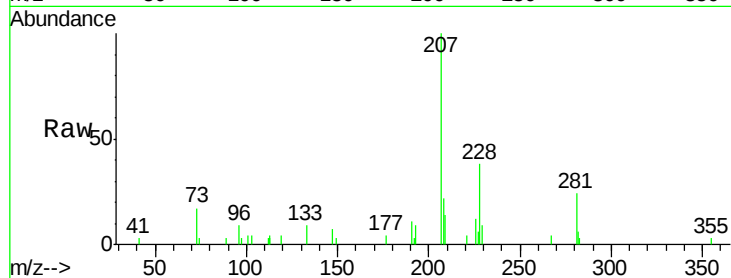




#83
Benzo(a)anthracene
Concen: 31.91 ng/ul
RT: 21.71 min Scan# 3212
Delta R.T. 0.06 min
Lab File: BG021498.D
Acq: 24 Mar 2016 23:42

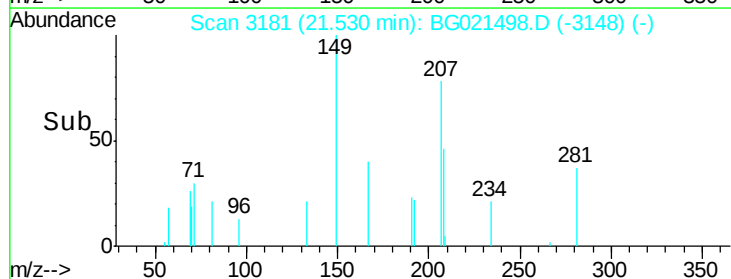
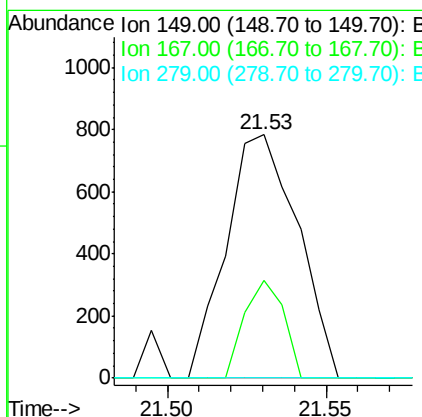
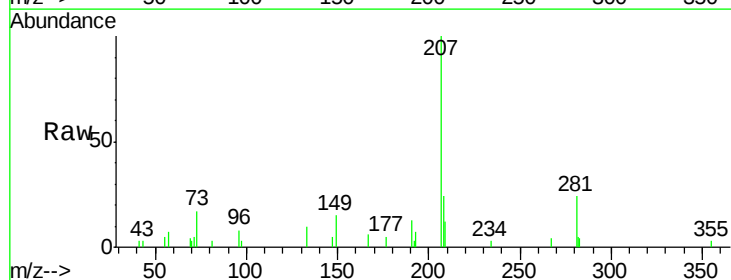
Instrument :
BNA_G
ClientSampleId :
A4T50

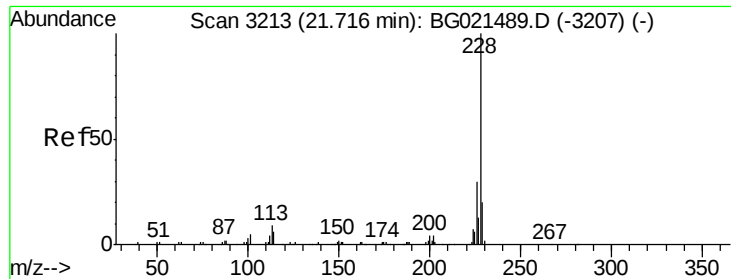
Tgt Ion:228 Resp: 3641
Ion Ratio Lower Upper
228 100
229 23.1 16.6 25.0
226 30.8 21.0 31.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 17.62 ng/ul
RT: 21.53 min Scan# 3181
Delta R.T. -0.00 min
Lab File: BG021498.D
Acq: 24 Mar 2016 23:42

Tgt Ion:149 Resp: 1226
Ion Ratio Lower Upper
149 100
167 40.1 20.5 30.7#
279 0.0 3.7 5.5#





#85

Chrysene

Concen: 33.70 ng/ul

RT: 21.71 min Scan# 3212

Delta R.T. -0.00 min

Lab File: BG021498.D

Acq: 24 Mar 2016 23:42

Instrument :

BNA_G

ClientSampleId :

A4T50

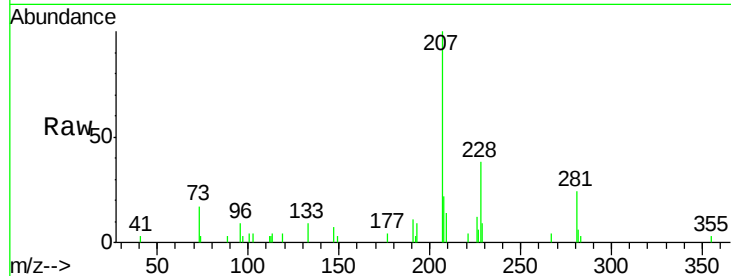
Tgt Ion:228 Resp: 3641

Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.2

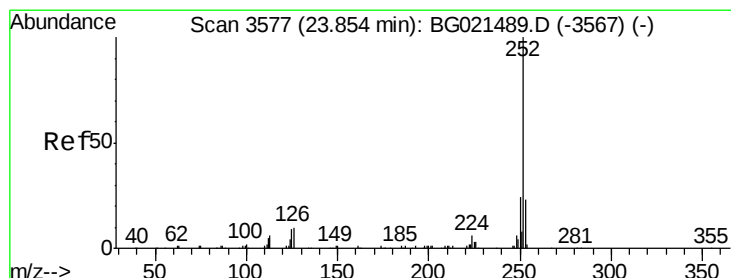
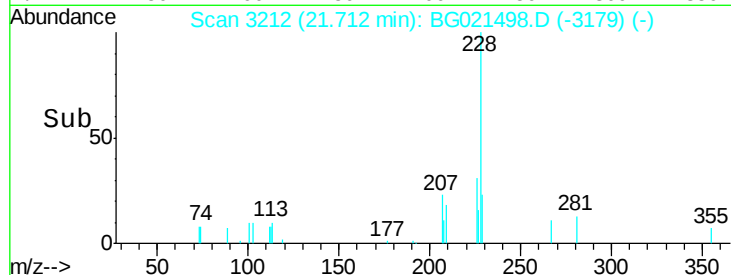
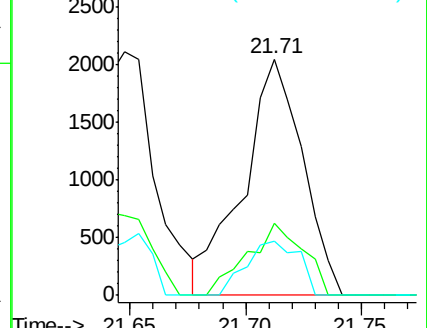
229 23.1 16.2 24.2



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



#88

Benzo(b)fluoranthene

Concen: 43.29 ng/ul

RT: 23.85 min Scan# 3576

Delta R.T. -0.00 min

Lab File: BG021498.D

Acq: 24 Mar 2016 23:42

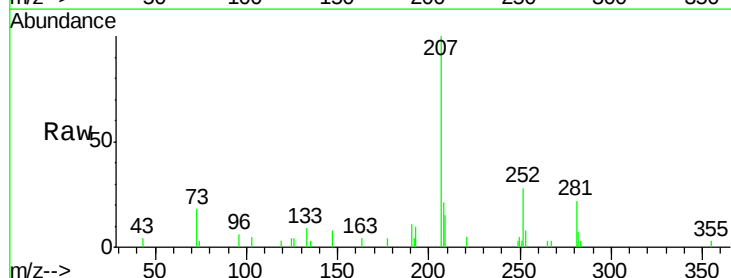
Tgt Ion:252 Resp: 5381

Ion Ratio Lower Upper

252 100

253 27.9 18.1 27.1#

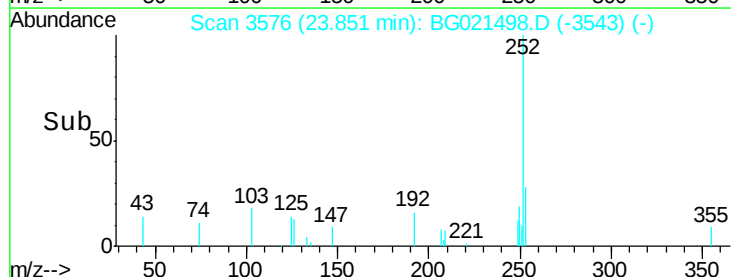
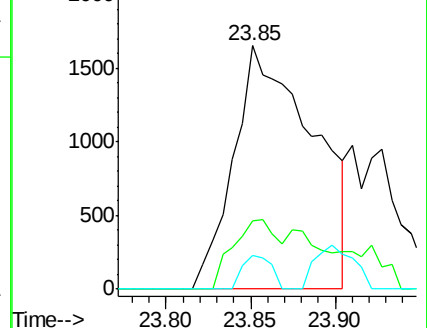
125 27.5 7.6 11.4#

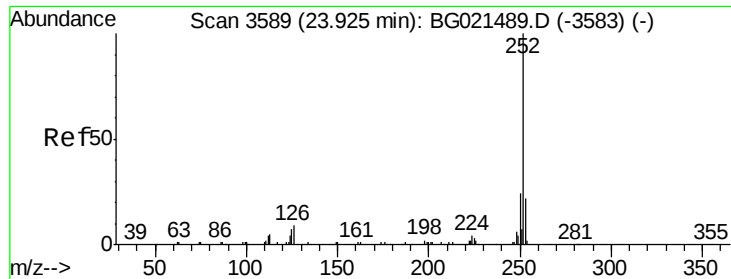


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 9.96 ng/ul

RT: 23.93 min Scan# 3589

Delta R.T. 0.00 min

Lab File: BG021498.D

Acq: 24 Mar 2016 23:42

Instrument :

BNA_G

ClientSampleId :

A4T50

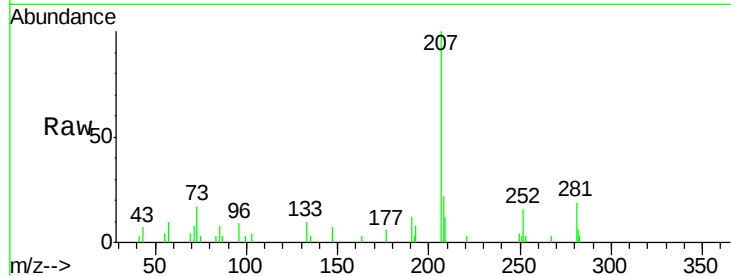
Tgt Ion:252 Resp: 1216

Ion Ratio Lower Upper

252 100

253 15.9 17.8 26.8#

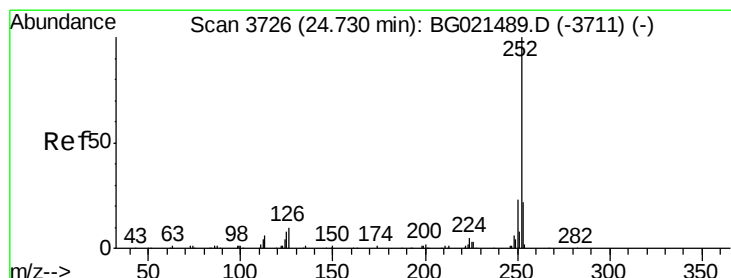
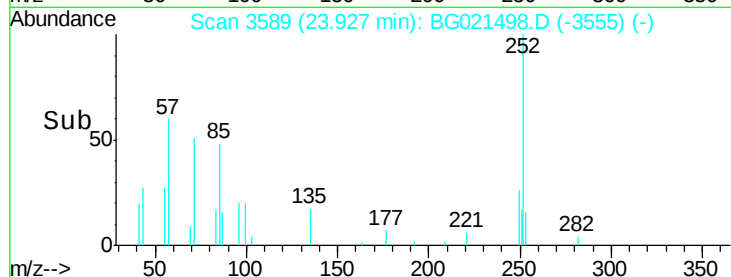
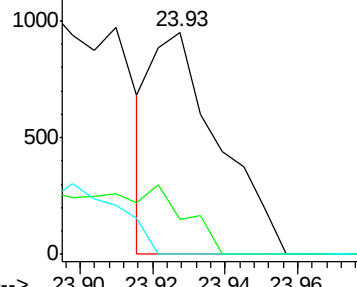
125 0.0 7.7 11.5#



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: 31.80 ng/ul

RT: 24.73 min Scan# 3725

Delta R.T. -0.00 min

Lab File: BG021498.D

Acq: 24 Mar 2016 23:42

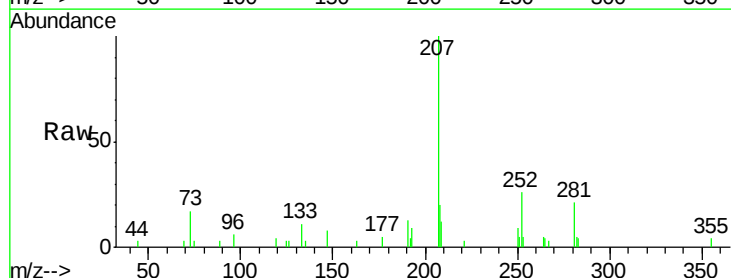
Tgt Ion:252 Resp: 3837

Ion Ratio Lower Upper

252 100

253 20.8 17.4 26.0

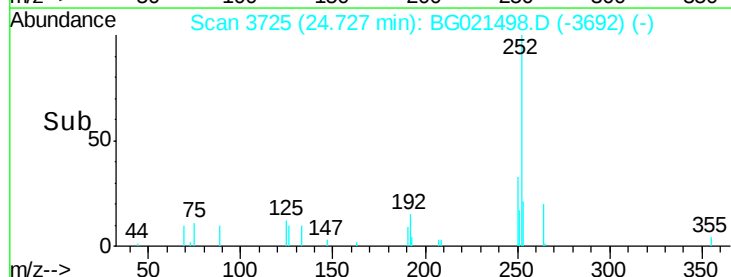
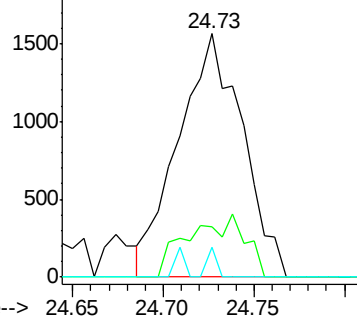
125 12.5 8.2 12.2#

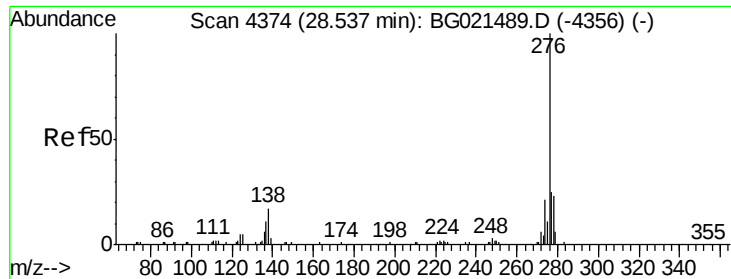


Abundance Ion 252.00 (251.70 to 252.70): E

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: 6.54 ng/ul

RT: 28.52 min Scan# 4371

Delta R.T. -0.02 min

Lab File: BG021498.D

Acq: 24 Mar 2016 23:42

Instrument :

BNA_G

ClientSampleId :

A4T50

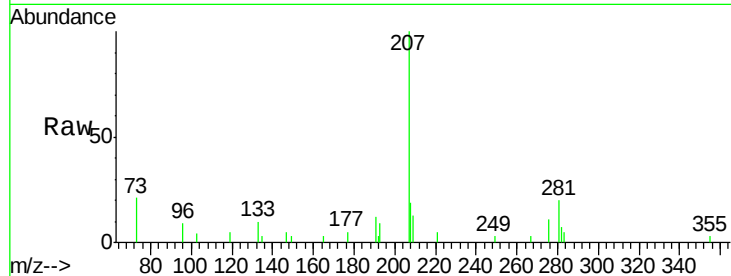
Tgt Ion:276 Resp: 897

Ion Ratio Lower Upper

276 100

138 0.0 15.8 23.6#

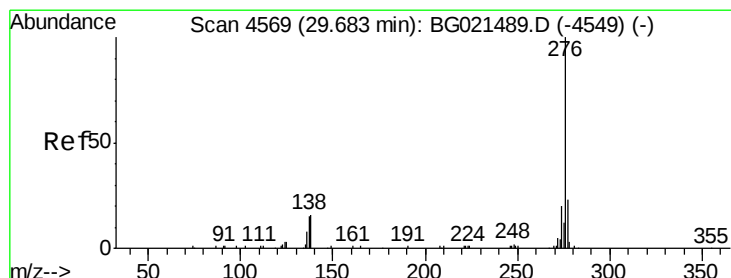
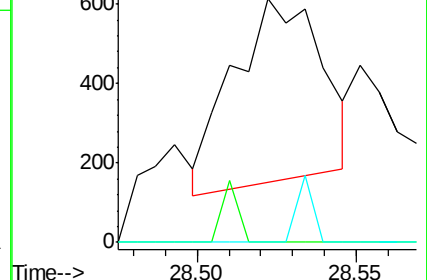
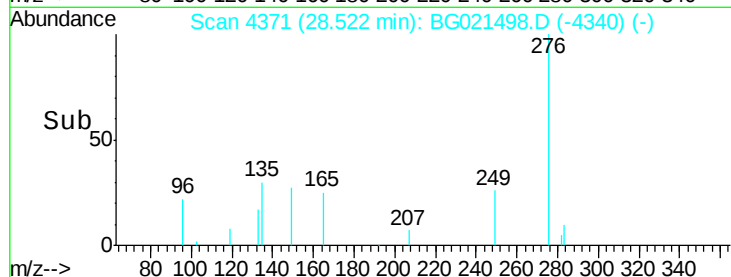
277 0.0 19.0 28.6#



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



#94

Benzo(g,h,i)perylene

Concen: 3.49 ng/ul

RT: 29.67 min Scan# 4567

Delta R.T. -0.01 min

Lab File: BG021498.D

Acq: 24 Mar 2016 23:42

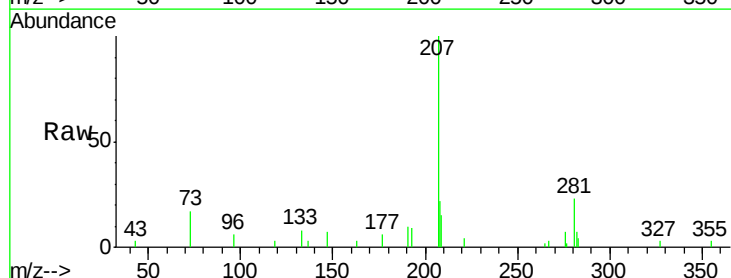
Tgt Ion:276 Resp: 393

Ion Ratio Lower Upper

276 100

138 0.0 13.9 20.9#

277 34.2 19.8 29.6#



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

