

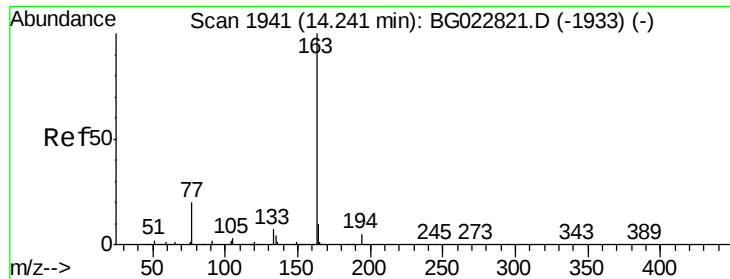
Data Path : Z:\HPCHEM1\BNA G\DATA\BG070316\
 Data File : BG022831.D
 Acq On : 3 Jul 2016 15:52
 Operator : UM/SJ
 Sample : H3844-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 04 03:32:02 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG063016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 04 03:30:19 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	112240	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	514770	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	428515	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.70	188	1625	20.00	ng/ul	0.14
75) Chrysene-d12	21.90	240	1666	20.00	ng/ul	0.05
83) Perylene-d12	25.22	264	1295041	20.00	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.55	96	4715	2.35	ng/uL	0.00
5) Phenol-d5	7.30	99	274849	23.28	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.47	67	175395	26.34	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	182428	23.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	213757	23.31	ng/ul	-0.01
19) Nitrobenzene-d5	9.32	128	95590	23.29	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.05	143	115105	23.25	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	227176	21.94	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	282653	32.24	ng/ul	0.00
43) Dimethylphthalate-d6	14.19	166	881484	25.32	ng/ul	-0.01
46) Acenaphthylene-d8	14.49	160	966769	24.23	ng/ul	-0.01
51) 4-Nitrophenol-d4	14.99	143	139935	25.60	ng/ul	0.00
57) Fluorene-d10	15.79	176	829290	25.14	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.03	200	162	15.50	ng/ul	0.12
70) Anthracene-d10	17.70	188	1625	21.51	ng/ul	0.04
76) Pyrene-d10	19.93	212	1509923	18971.49	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.98	264	1527107	24.82	ng/ul	-0.02
Target Compounds						
44) Dimethylphthalate	14.24	163	116888	3.29	ng/ul	Ovalue 96
63) 4,6-Dinitro-2-methylphenol	16.05	198	174	15.71	ng/ul#	1
64) N-Nitrosodiphenylamine	16.17	169	365	7.63	ng/ul#	21
65) 4-Bromophenyl-phenylether	17.03	248	67	3.08	ng/ul#	1
66) Hexachlorobenzene	17.17	284	213	9.26	ng/ul#	22
67) Atrazine	17.15	200	260	13.03	ng/ul#	76
68) Pentachlorophenol	17.33	266	169	12.77	ng/ul#	1
69) Phenanthrene	17.74	178	464	5.58	ng/ul#	66
71) Anthracene	17.84	178	219	2.56	ng/ul#	1
72) Carbazole	18.13	167	171	2.71	ng/ul#	1
73) Di-n-butylphthalate	18.66	149	219	2.70	ng/ul#	60
74) Fluoranthene	19.75	202	1671	19.30	ng/ul#	69
77) Pyrene	20.02	202	532	5.70	ng/ul#	6
78) Butylbenzylphthalate	20.88	149	645	17.83	ng/ul#	10
79) 3,3'-Dichlorobenzidine	21.80	252	72	2.28	ng/ul#	1
80) Benzo(a)anthracene	21.83	228	23839	243.96	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.77	149	918	19.67	ng/ul#	69
82) Chrysene	21.85	228	685	7.70	ng/ul	92

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



#44

Dimethylphthalate

Concen: 3.29 ng/ul

RT: 14.24 min Scan# 1940

Delta R.T. -0.00 min

Lab File: BG022831.D

Acq: 3 Jul 2016 15:52

Instrument :

BNA_G

ClientSampled :

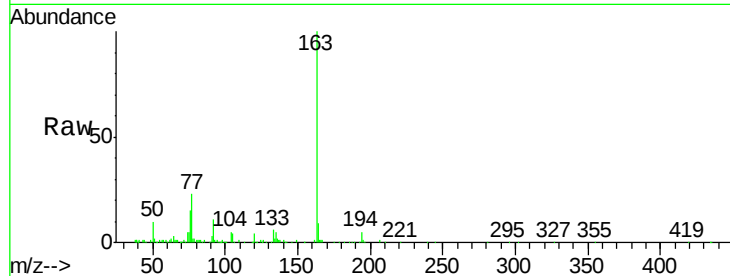
Tot Ion:163 Resp: 116888

Ion Ratio Lower Upper

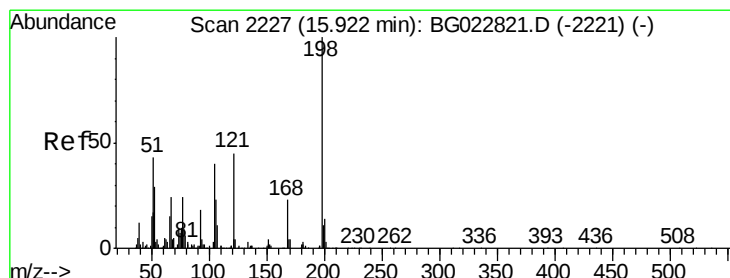
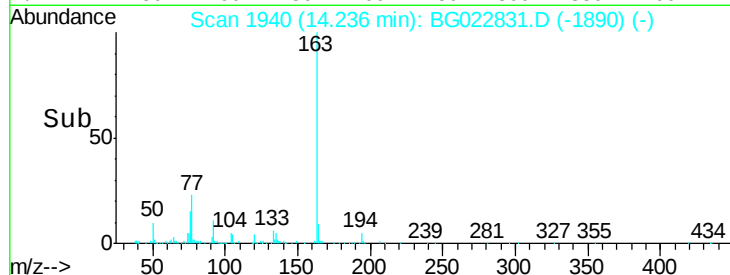
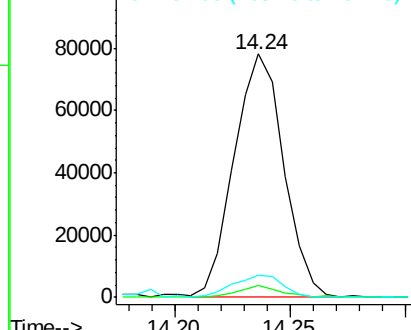
163 100

194 5.0 3.4 5.2

164 9.0 8.8 13.2



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



#63

4,6-Dinitro-2-methylphenol

Concen: 15.71 ng/ul

RT: 16.05 min Scan# 2248

Delta R.T. 0.12 min

Lab File: BG022831.D

Acq: 3 Jul 2016 15:52

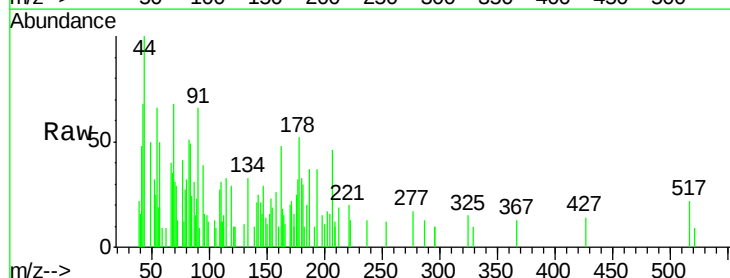
Tgt Ion:198 Resp: 174

Ion Ratio Lower Upper

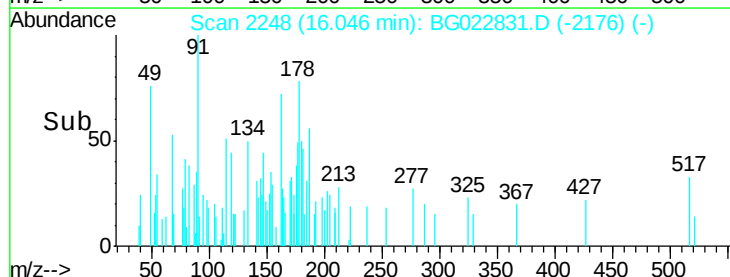
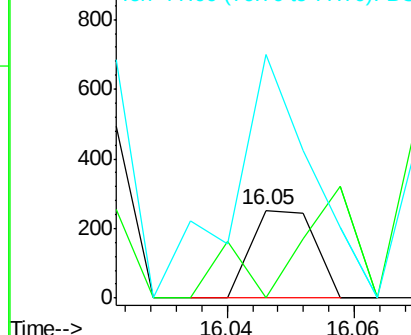
198 100

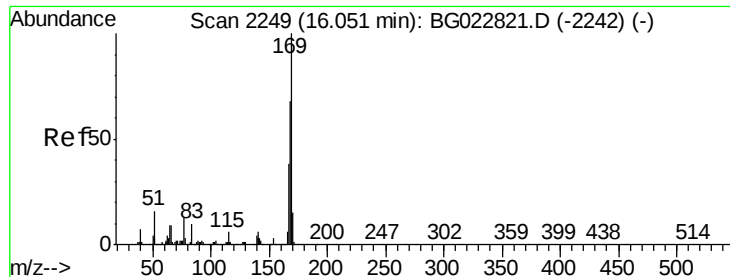
182 0.0 4.2 6.2#

77 277.4 16.7 25.1#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 77.00 (76.70 to 77.70): BG





#64

N-Nitrosodiphenylamine

Concen: 7.63 ng/ul

RT: 16.17 min Scan# 2269

Delta R.T. 0.12 min

Lab File: BG022831.D

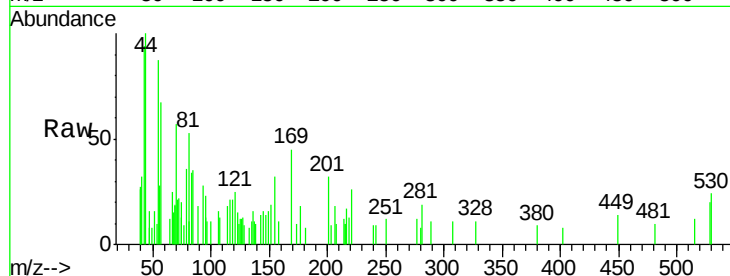
Acq: 3 Jul 2016 15:52

Instrument :

BNA_G

ClientSampled :

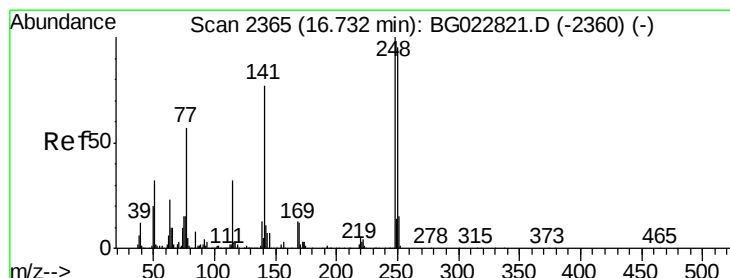
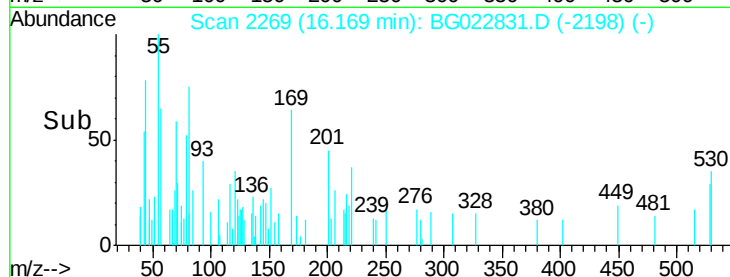
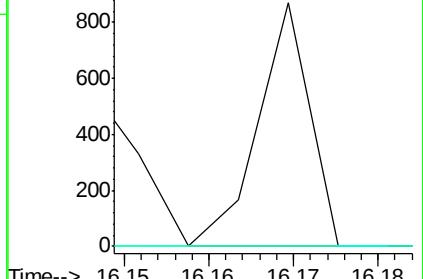
Tot Ion:	169	Resp:	365
Ion	Ratio	Lower	Upper
169	100		
168	0.0	59.0	88.6#
167	0.0	30.6	46.0#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#65

4-Bromophenyl-phenylether

Concen: 3.08 ng/ul

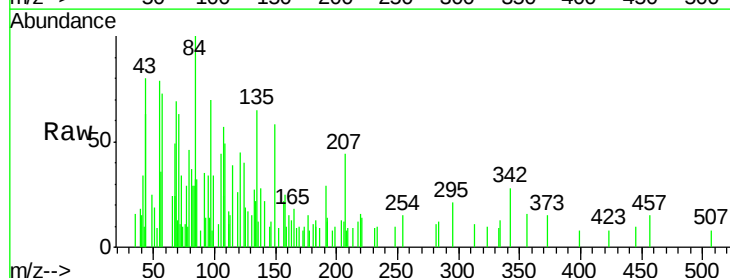
RT: 17.03 min Scan# 2416

Delta R.T. 0.30 min

Lab File: BG022831.D

Acq: 3 Jul 2016 15:52

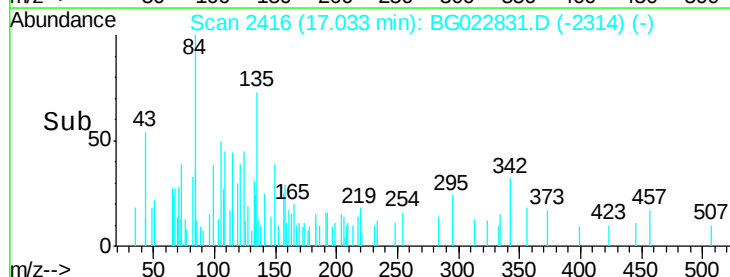
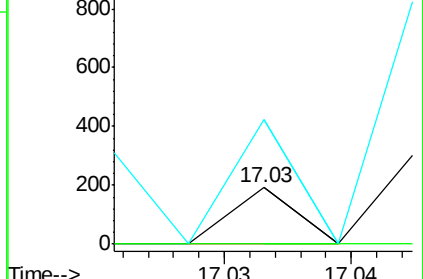
Tgt Ion:	248	Resp:	67
Ion	Ratio	Lower	Upper
248	100		
250	0.0	76.6	114.8#
141	220.9	61.8	92.6#

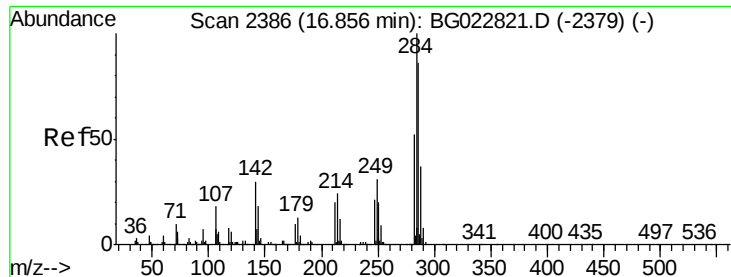


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#66

Hexachlorobenzene

Concen: 9.26 ng/ul

RT: 17.17 min Scan# 2439

Delta R.T. 0.31 min

Lab File: BG022831.D

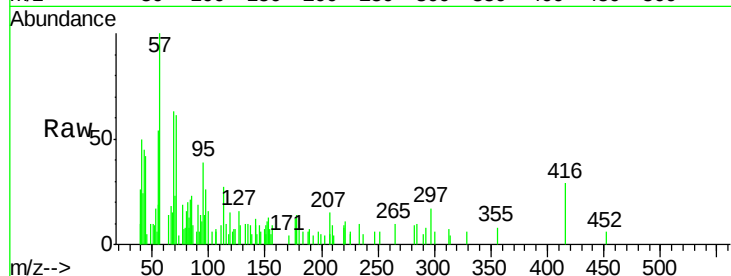
Acq: 3 Jul 2016 15:52

Instrument :

BNA_G

ClientSampleId :

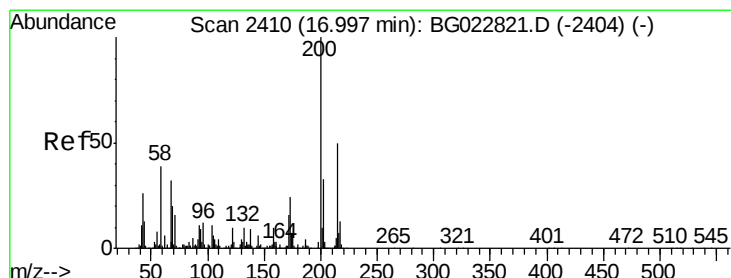
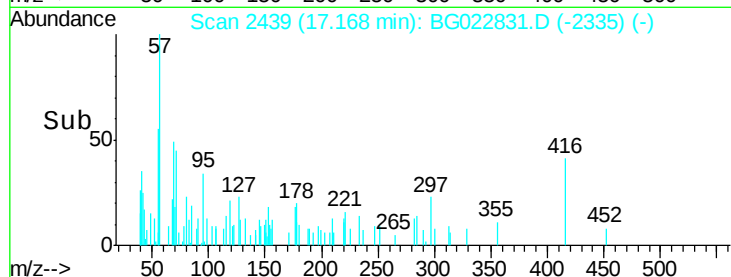
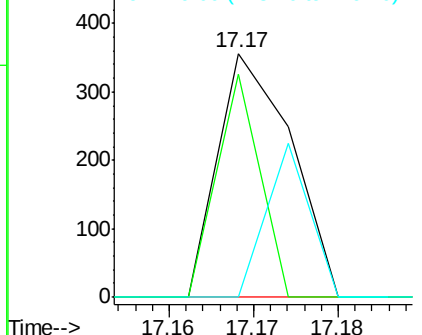
Tot Ion:	284	Resp:	213
Ion	Ratio	Lower	Upper
284	100		
142	91.6	27.8	41.8#
249	0.0	24.4	36.6#



Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#67

Atrazine

Concen: 13.03 ng/ul

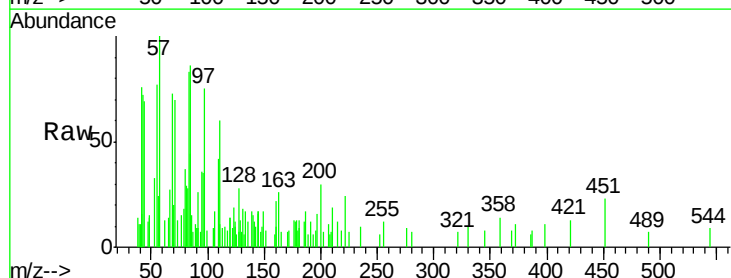
RT: 17.15 min Scan# 2436

Delta R.T. 0.15 min

Lab File: BG022831.D

Acq: 3 Jul 2016 15:52

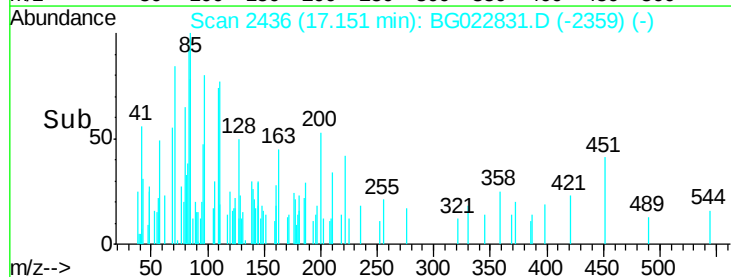
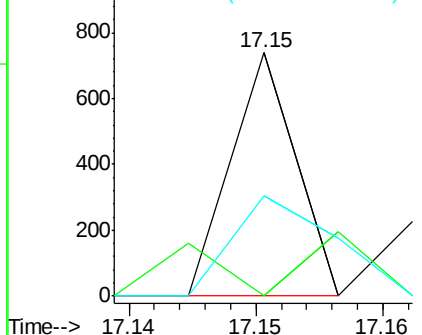
Tgt Ion:	200	Resp:	260
Ion	Ratio	Lower	Upper
200	100		
173	0.0	21.0	31.6#
215	41.1	37.9	56.9

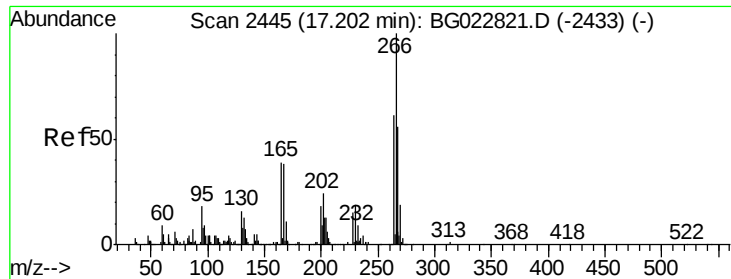


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#68

Pentachlorophenol

Concen: 12.77 ng/ul

RT: 17.33 min Scan# 2467

Delta R.T. 0.13 min

Lab File: BG022831.D

Acq: 3 Jul 2016 15:52

Instrument :

BNA_G

ClientSampleId :

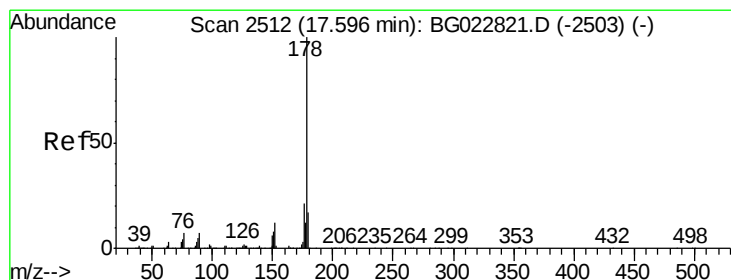
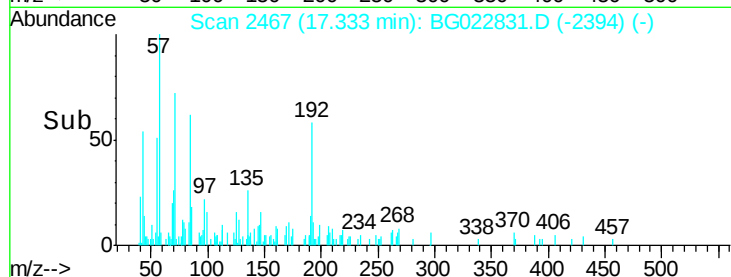
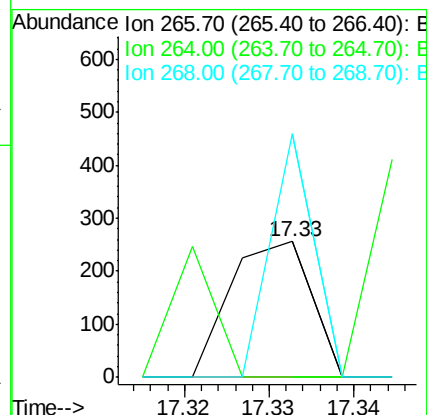
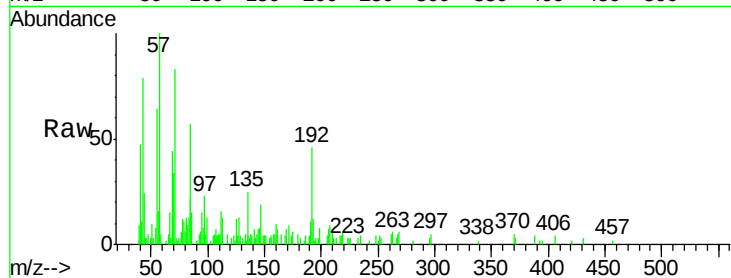
Tot Ion:266 Resp: 169

Ion Ratio Lower Upper

266 100

264 0.0 54.7 82.1#

268 179.3 57.8 86.8#



#69

Phenanthrene

Concen: 5.58 ng/ul

RT: 17.74 min Scan# 2536

Delta R.T. 0.14 min

Lab File: BG022831.D

Acq: 3 Jul 2016 15:52

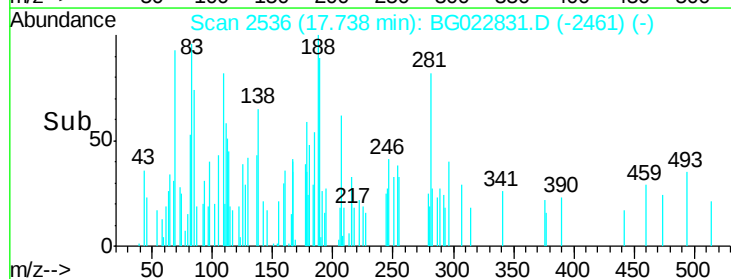
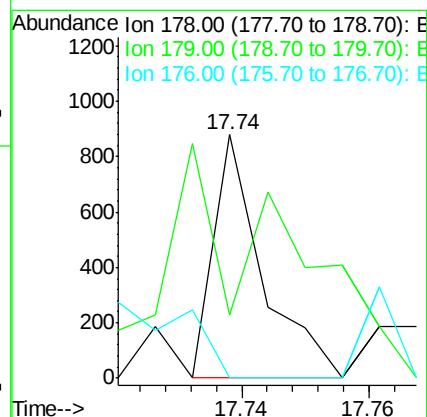
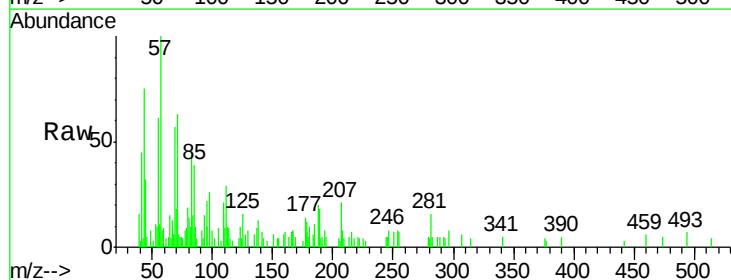
Tgt Ion:178 Resp: 464

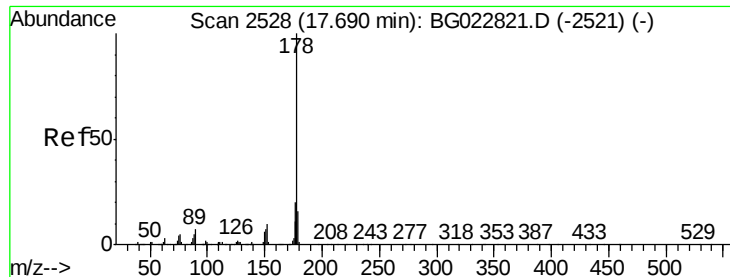
Ion Ratio Lower Upper

178 100

179 25.8 12.9 19.3#

176 0.0 15.8 23.8#





#71

Anthracene

Concen: 2.56 ng/ul

RT: 17.84 min Scan# 2553

Delta R.T. 0.15 min

Lab File: BG022831.D

Acq: 3 Jul 2016 15:52

Instrument :

BNA_G

ClientSampleId :

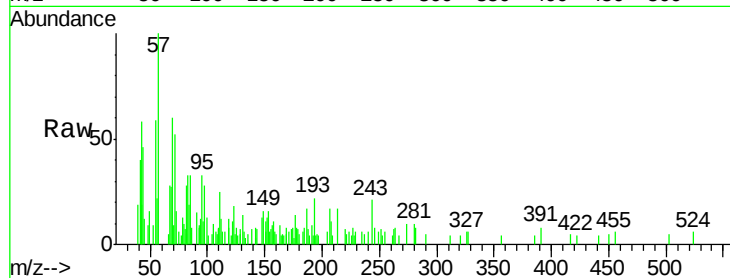
Tot Ion:178 Resp: 219

Ion Ratio Lower Upper

178 100

179 99.4 12.3 18.5#

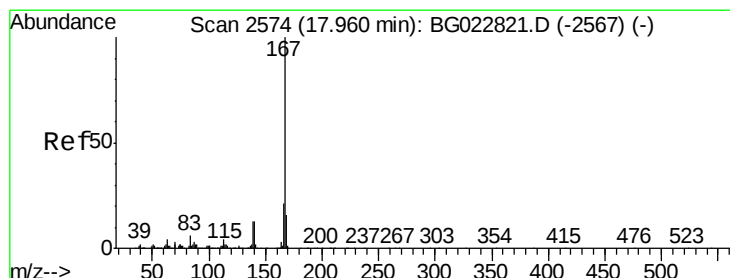
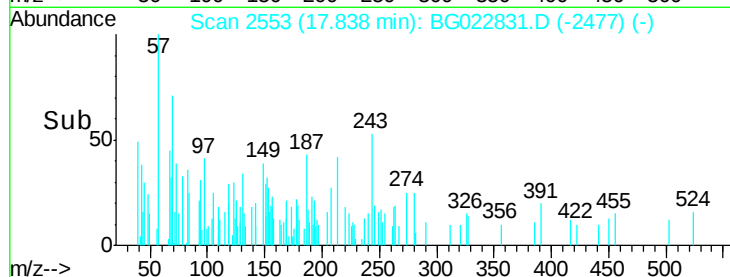
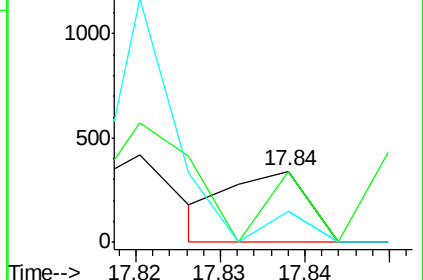
176 44.7 16.3 24.5#



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

Carbazole

Concen: 2.71 ng/ul

RT: 18.13 min Scan# 2603

Delta R.T. 0.17 min

Lab File: BG022831.D

Acq: 3 Jul 2016 15:52

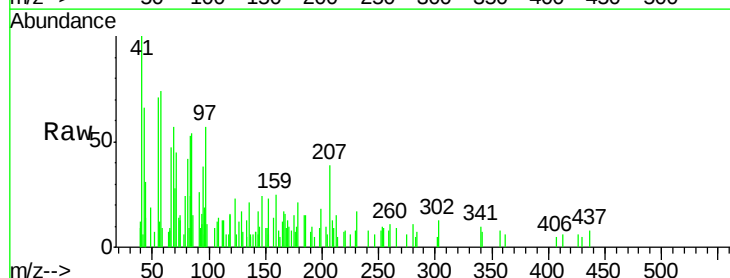
Tgt Ion:167 Resp: 171

Ion Ratio Lower Upper

167 100

166 107.6 19.2 28.8#

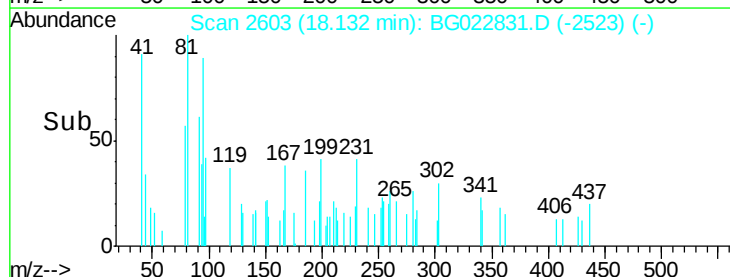
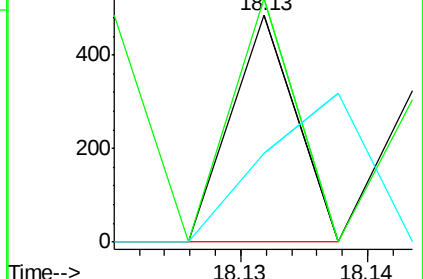
139 39.0 10.2 15.4#

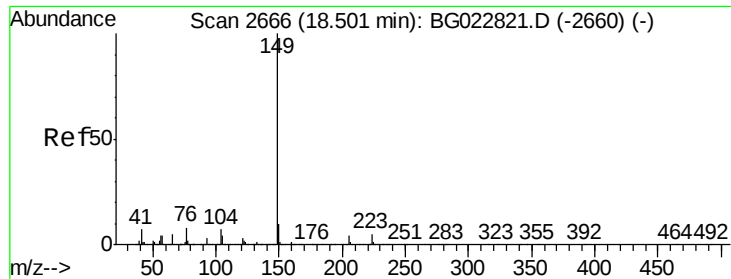


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 2.70 ng/ul

RT: 18.66 min Scan# 2693

Delta R.T. 0.16 min

Lab File: BG022831.D

Acq: 3 Jul 2016 15:52

Instrument :

BNA_G

ClientSampleId :

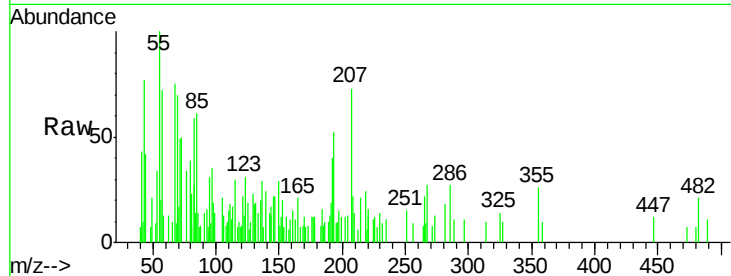
Tot Ion:149 Resp: 219

Ion Ratio Lower Upper

149 100

150 28.1 7.1 10.7#

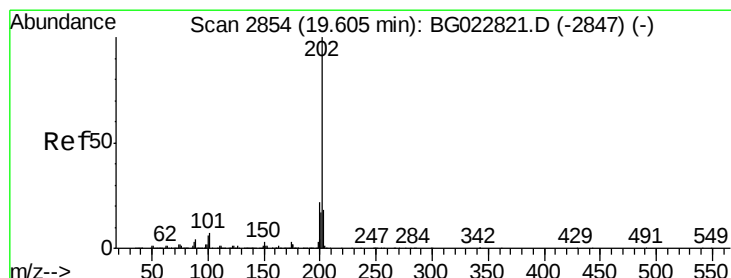
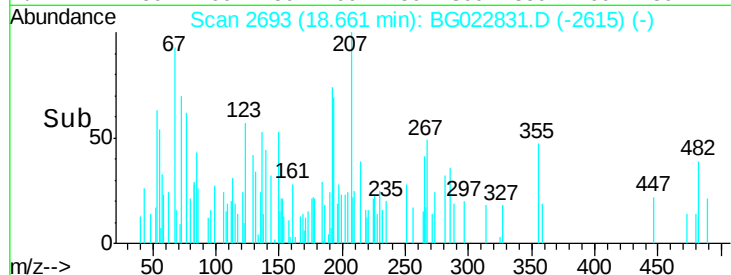
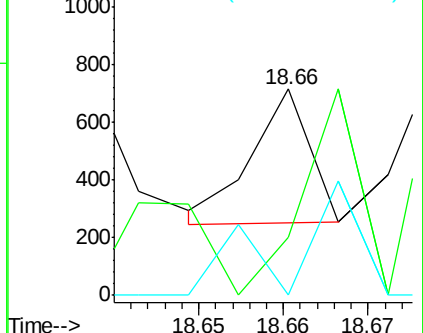
104 0.0 3.3 4.9#



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



#74

Fluoranthene

Concen: 19.30 ng/ul

RT: 19.75 min Scan# 2878

Delta R.T. 0.14 min

Lab File: BG022831.D

Acq: 3 Jul 2016 15:52

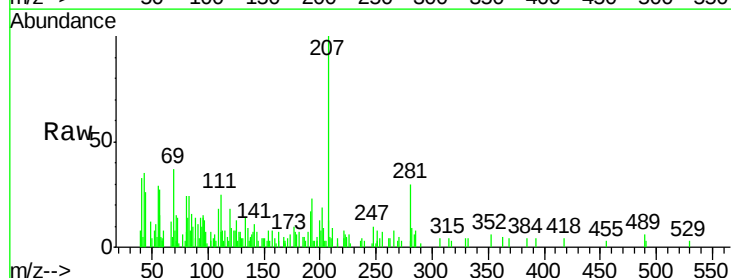
Tgt Ion:202 Resp: 1671

Ion Ratio Lower Upper

202 100

101 0.0 10.6 16.0#

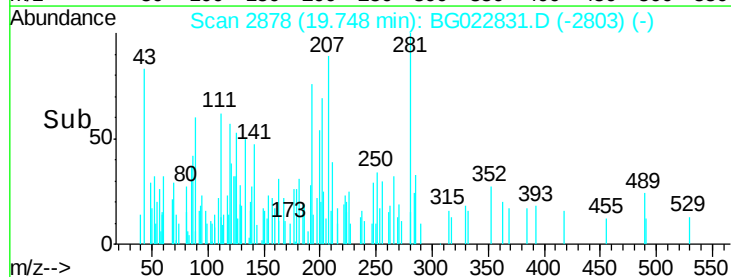
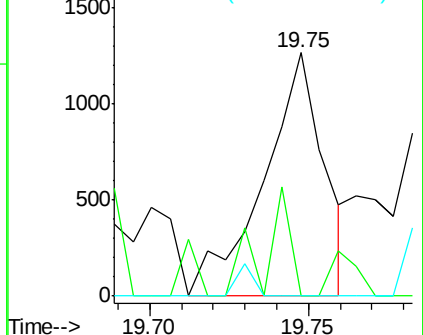
100 0.0 8.7 13.1#

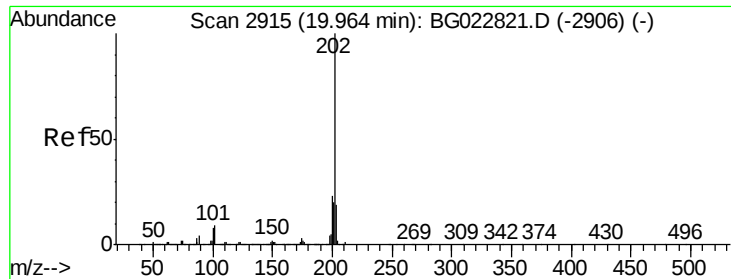


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 5.70 ng/ul

RT: 20.02 min Scan# 2924

Delta R.T. 0.05 min

Lab File: BG022831.D

Acq: 3 Jul 2016 15:52

Instrument :

BNA_G

ClientSampleId :

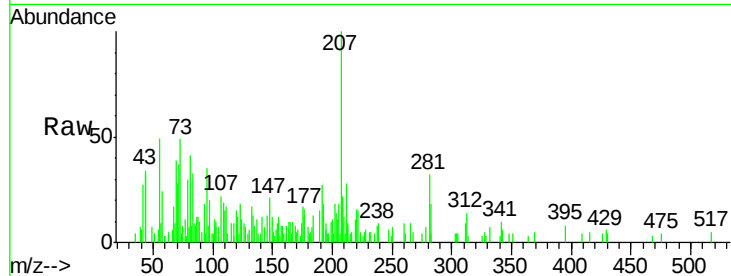
Tot Ion:202 Resp: 532

Ion Ratio Lower Upper

202 100

101 60.3 12.5 18.7#

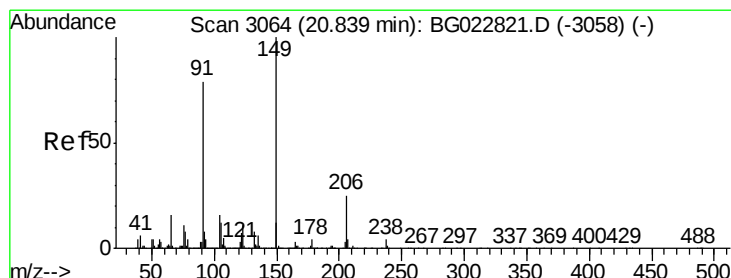
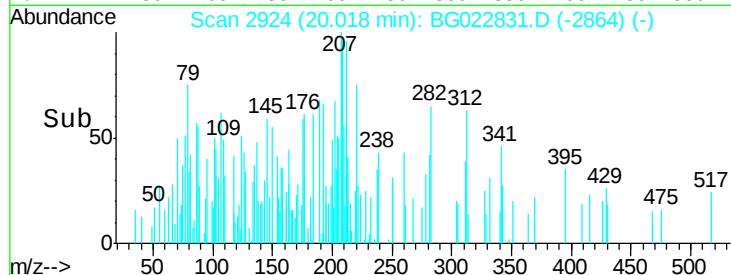
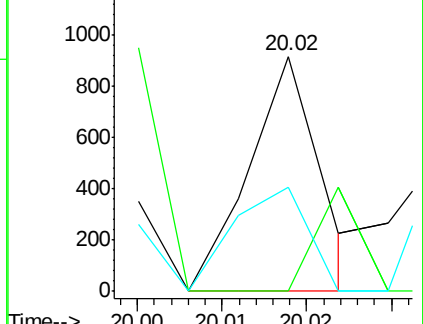
100 44.4 10.2 15.4#



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



#78

Butylbenzylphthalate

Concen: 17.83 ng/ul

RT: 20.88 min Scan# 3070

Delta R.T. 0.04 min

Lab File: BG022831.D

Acq: 3 Jul 2016 15:52

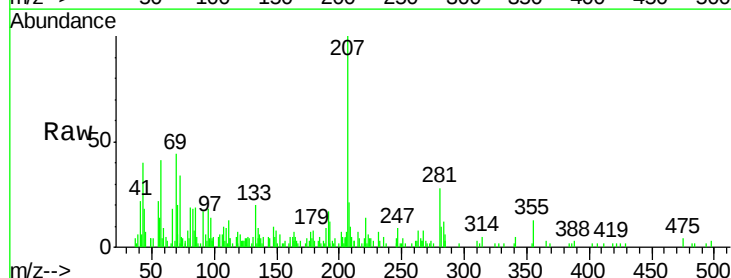
Tgt Ion:149 Resp: 645

Ion Ratio Lower Upper

149 100

91 140.5 54.2 81.4#

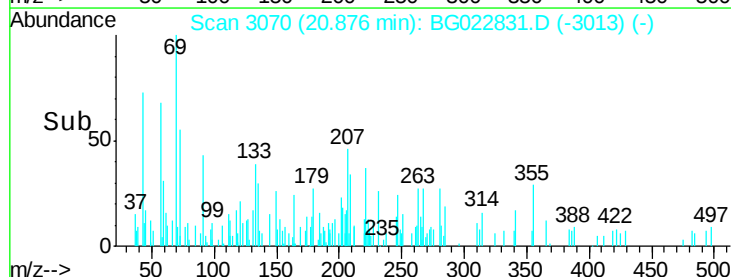
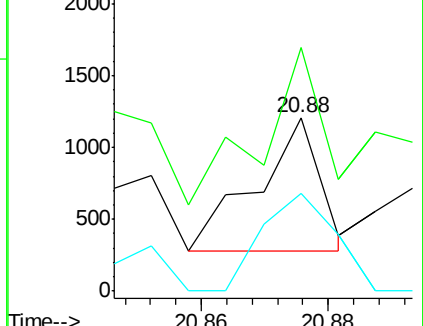
206 56.2 14.1 21.1#

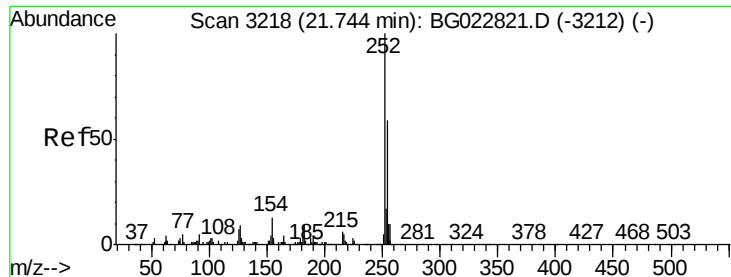


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): E

Ion 206.00 (205.70 to 206.70): E





#79

3,3'-Dichlorobenzidine

Concen: 2.28 ng/ul

RT: 21.80 min Scan# 3227

Delta R.T. 0.05 min

Lab File: BG022831.D

Acq: 3 Jul 2016 15:52

Instrument :

BNA_G

ClientSampleId :

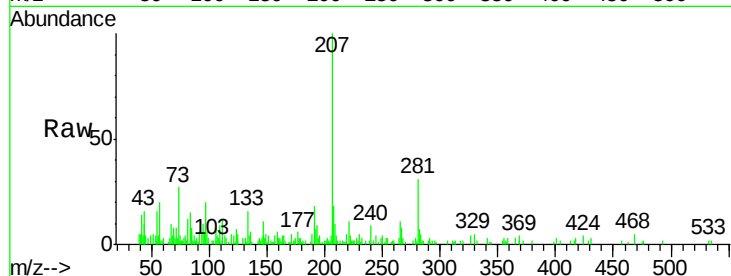
Tot Ion:252 Resp: 72

Ion Ratio Lower Upper

252 100

254 237.6 51.4 77.2#

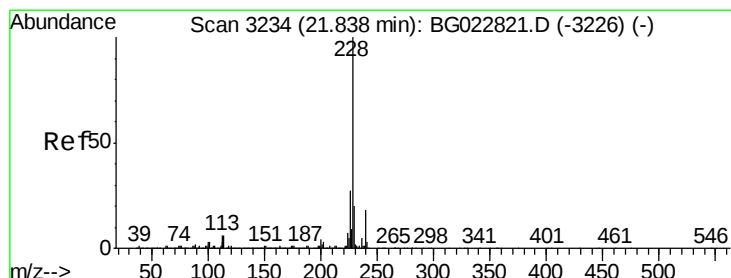
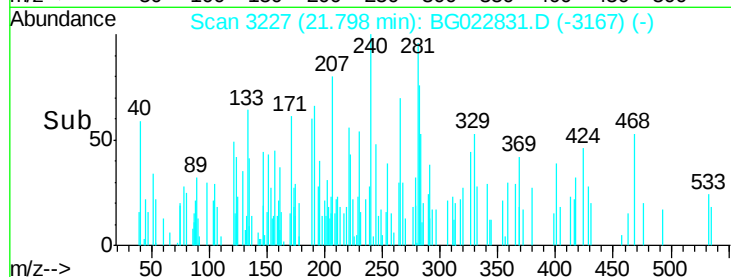
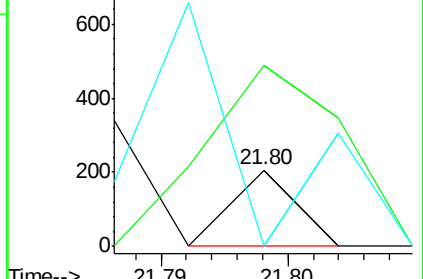
126 0.0 10.7 16.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#80

Benzo(a)anthracene

Concen: 243.96 ng/ul

RT: 21.83 min Scan# 3232

Delta R.T. -0.01 min

Lab File: BG022831.D

Acq: 3 Jul 2016 15:52

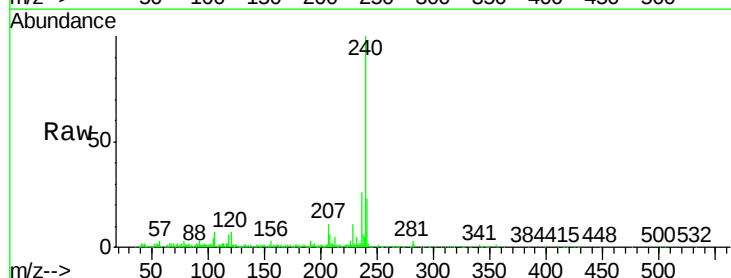
Tgt Ion:228 Resp: 23839

Ion Ratio Lower Upper

228 100

229 16.8 15.4 23.2

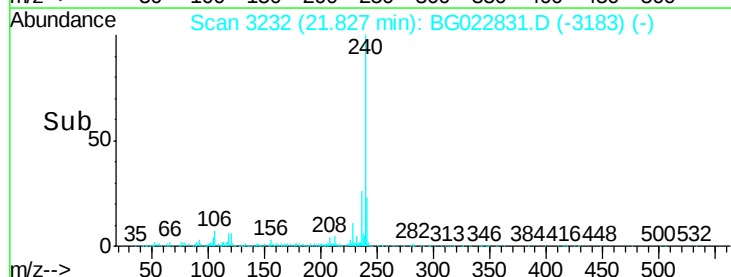
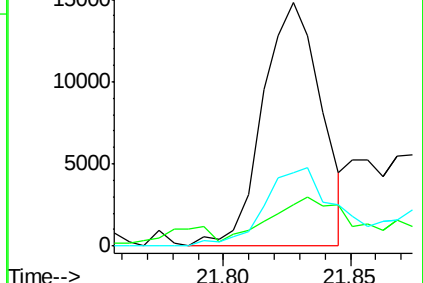
226 30.2 22.8 34.2

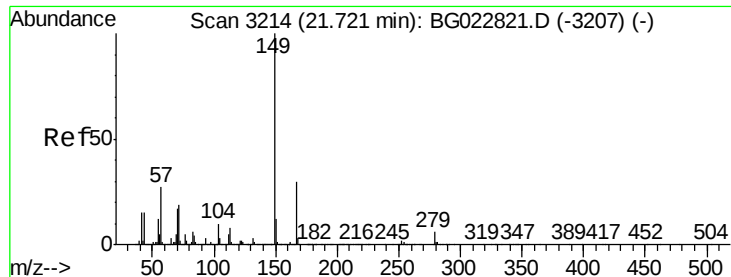


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 19.67 ng/ul

RT: 21.77 min Scan# 3222

Delta R.T. 0.05 min

Lab File: BG022831.D

Acq: 3 Jul 2016 15:52

Instrument :

BNA_G

ClientSampled :

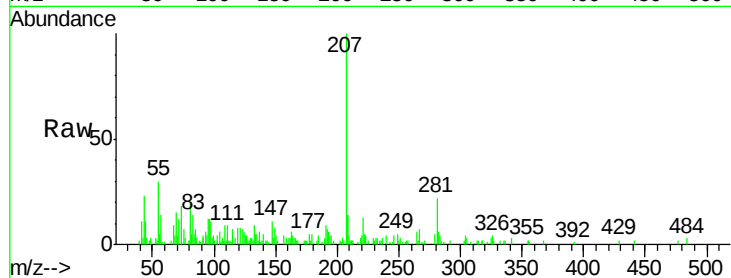
Tot Ion:149 Resp: 918

Ion Ratio Lower Upper

149 100

167 22.2 21.9 32.9

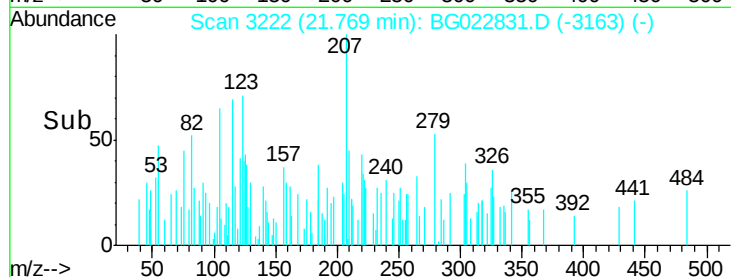
279 67.0 2.9 4.3#



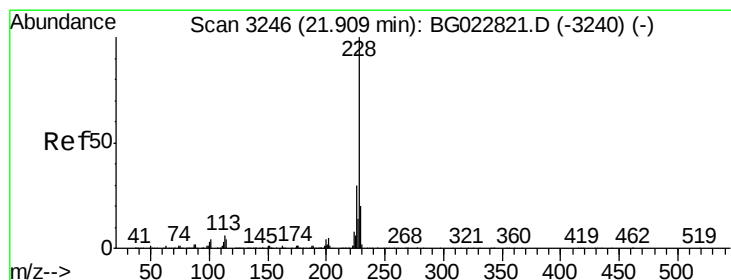
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#82

Chrysene

Concen: 7.70 ng/ul

RT: 21.85 min Scan# 3236

Delta R.T. -0.06 min

Lab File: BG022831.D

Acq: 3 Jul 2016 15:52

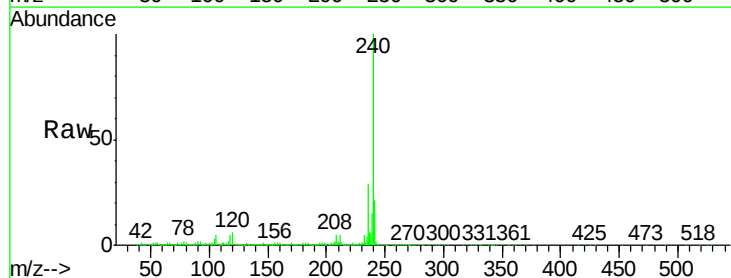
Tgt Ion:228 Resp: 685

Ion Ratio Lower Upper

228 100

226 34.5 24.2 36.4

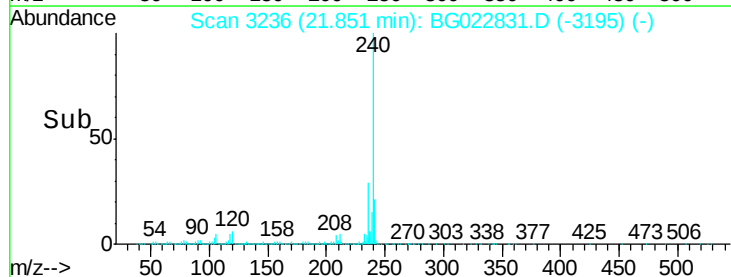
229 22.4 15.0 22.6



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



Time-->