

Data Path : Z:\HPCHEM1\BNA G\DATA\BG072717\
 Data File : BG028037.D
 Acq On : 27 Jul 2017 21:48
 Operator : SJ/JU
 Sample : MDL-S-BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 28 02:13:21 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG072717MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 28 02:09:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.37	152	37726	20.00	ng/ul	0.00
18) Naphthalene-d8	11.19	136	167780	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.98	164	129486	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.72	188	389646	20.00	ng/ul	0.00
78) Chrysene-d12	22.06	240	512092	20.00	ng/ul	0.00
86) Perylene-d12	25.58	264	525653	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.86	96	4042	6.94	ng/uL	0.00
5) Phenol-d5	7.51	99	71341	25.03	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.68	67	40895	28.70	ng/ul	0.00
9) 2-Chlorophenol-d4	7.90	132	68097	28.35	ng/ul	0.00
13) 4-Methylphenol-d8	9.06	113	67079	26.37	ng/ul	0.00
19) Nitrobenzene-d5	9.53	128	35189	30.01	ng/ul	0.00
22) 2-Nitrophenol-d4	10.26	143	44601	29.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.80	165	77832	26.48	ng/ul	0.00
29) 4-Chloroaniline-d4	11.32	131	102804	34.67	ng/ul	0.00
44) Dimethylphthalate-d6	14.36	166	364705	31.12	ng/ul	0.00
47) Acenaphthylene-d8	14.68	160	362317	28.58	ng/ul	0.00
52) 4-Nitrophenol-d4	15.16	143	42279	24.02	ng/ul	0.00
58) Fluorene-d10	15.97	176	318904	29.54	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.07	200	68820	24.80	ng/ul	0.00
71) Anthracene-d10	17.82	188	560524	30.04	ng/ul	0.00
79) Pyrene-d10	20.10	212	694814	30.55	ng/ul	0.00
90) Benzo(a)pyrene-d12	25.34	264	706026	29.20	ng/ul	0.00

Target Compounds

				Ovalue	
2) 1,4-Dioxane	3.92	88	254	0.407	ng/uL# 29
8) Bis(2-Chloroethyl)ether	7.78	93	361	0.185	ng/ul# 52
12) 2,2'-oxybis(1-Chloropropan	9.05	45	282	0.110	ng/ul# 66
15) N-Nitroso-di-n-propylamine	9.05	70	1590	0.916	ng/ul# 1
20) Nitrobenzene	9.53	77	168	0.067	ng/ul# 43
21) Isophorone	10.26	82	2992	0.622	ng/ul# 71
30) 4-Chloroaniline	11.34	127	169	0.060	ng/ul# 44
45) Dimethylphthalate	14.37	163	146	0.014	ng/ul# 1
59) Fluorene	15.96	166	712	0.066	ng/ul# 9
61) 4-Nitroaniline	16.07	138	128	0.060	ng/ul# 1
64) 4,6-Dinitro-2-methylphenol	16.08	198	110	0.041	ng/ul# 1
65) N-Nitrosodiphenylamine	16.10	169	80	0.008	ng/ul# 14
70) Phenanthrene	17.82	178	136	0.007	ng/ul# 1
72) Anthracene	17.82	178	136	0.007	ng/ul# 1
80) Pyrene	20.10	202	817	0.031	ng/ul# 1
81) Butylbenzylphthalate	20.96	149	115	0.015	ng/ul# 26
82) 3,3'-Dichlorobenzidine	21.95	252	397	0.042	ng/ul# 82
83) Benzo(a)anthracene	22.07	228	1270	0.047	ng/ul# 51
84) Bis(2-ethylhexyl)phthalate	21.90	149	437	0.038	ng/ul# 60
85) Chrysene	22.07	228	1270	0.051	ng/ul# 49
87) Di-n-octyl phthalate	23.27	149	73	0.004	ng/ul 100
91) Benzo(a)pyrene	25.35	252	1691	0.060	ng/ul# 76

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

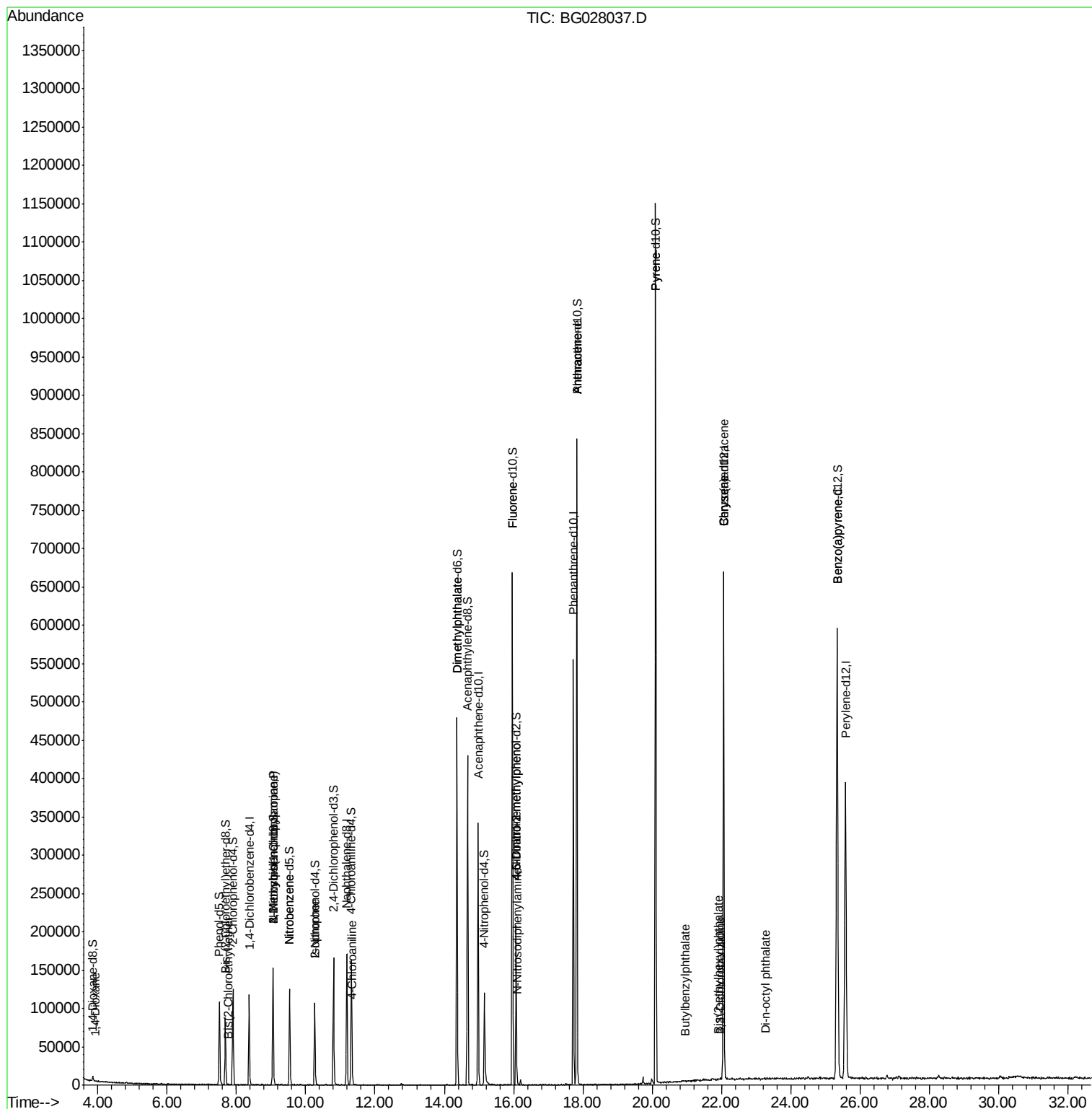
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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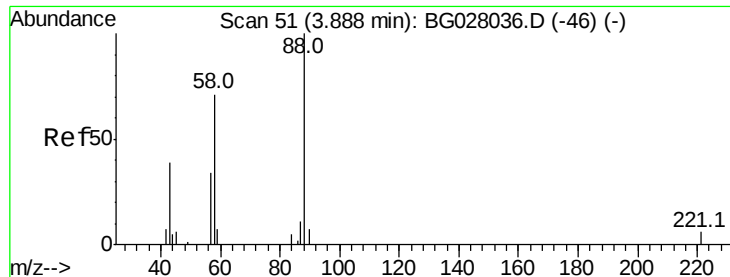
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.407 ng/uL

RT: 3.92 min Scan# 56

Delta R.T. 0.03 min

Lab File: BG028037.D

Acq: 27 Jul 2017 21:48

Instrument :

BNA_G

ClientSampleId :

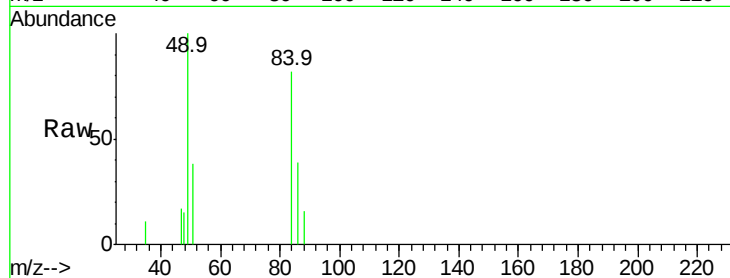
Tot Ion: 88 Resp: 254

Ion Ratio Lower Upper

88 100

43 0.0 29.0 43.4#

58 0.0 45.9 68.9#



Abundance Ion 88.00 (87.70 to 88.70): BGC

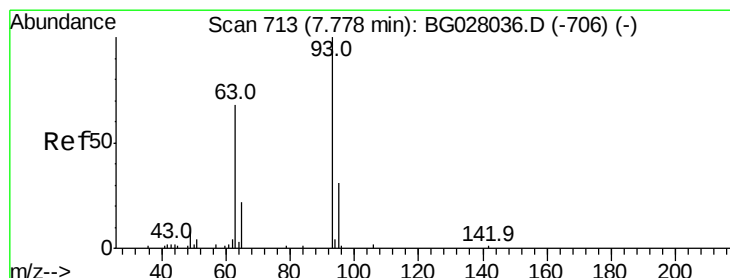
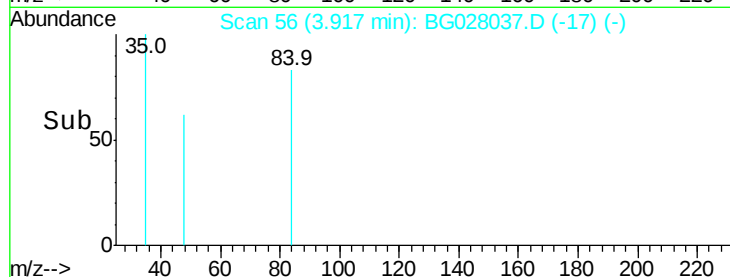
Ion 43.00 (42.70 to 43.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

3.92

3.89 3.90 3.91 3.92 3.93

Time-->



#8

Bis(2-Chloroethyl)ether

Concen: 0.185 ng/uL

RT: 7.78 min Scan# 713

Delta R.T. -0.00 min

Lab File: BG028037.D

Acq: 27 Jul 2017 21:48

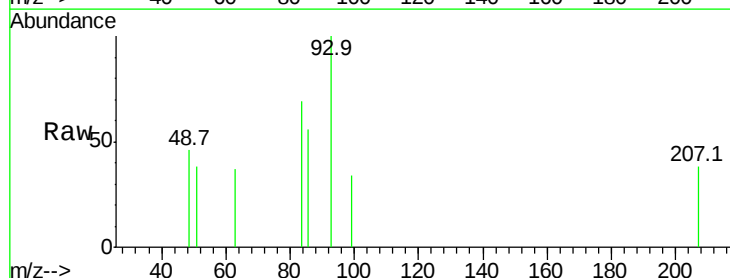
Tgt Ion: 93 Resp: 361

Ion Ratio Lower Upper

93 100

63 37.1 59.4 89.2#

95 0.0 26.4 39.6#



Abundance Ion 93.00 (92.70 to 93.70): BGC

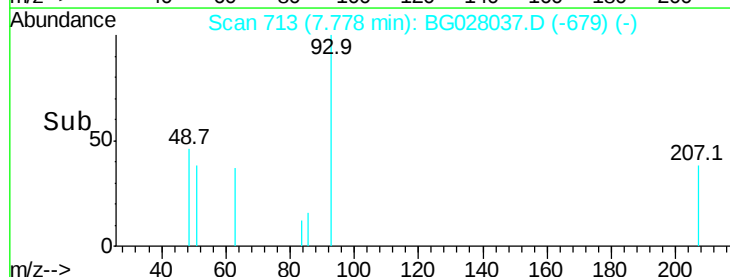
Ion 63.00 (62.70 to 63.70): BGC

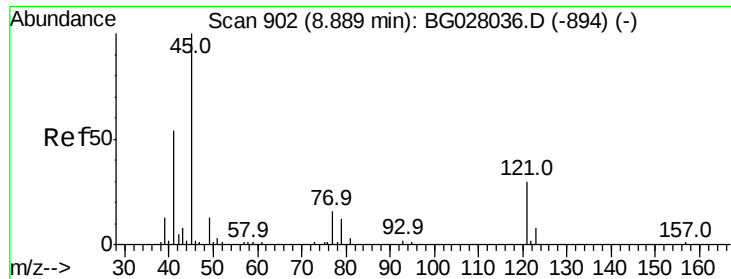
Ion 95.00 (94.70 to 95.70): BGC

7.78

7.76 7.77 7.78 7.79 7.80

Time-->

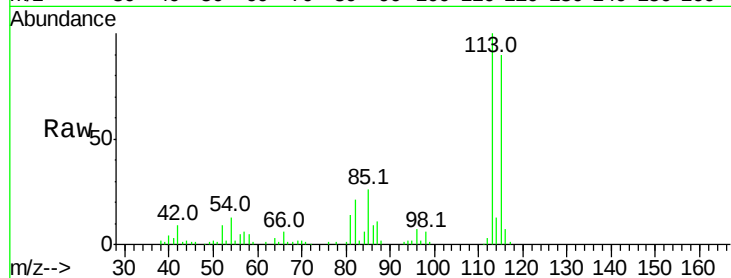




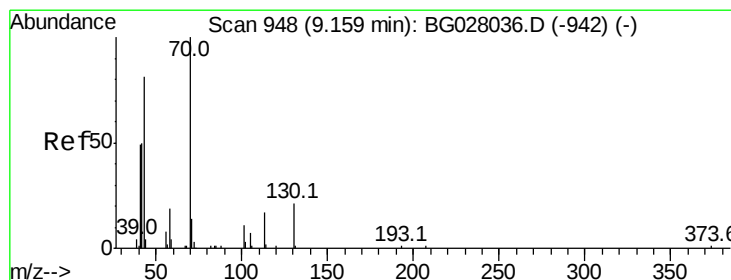
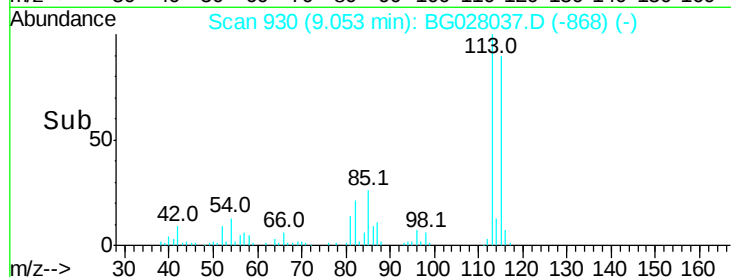
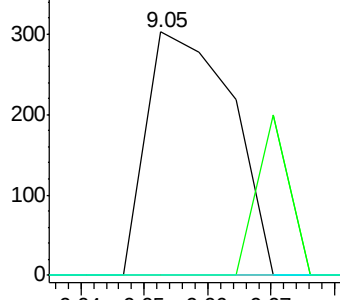
#12
2,2'-oxvbis(1-Chloropropane)
Concen: 0.110 ng/ul
RT: 9.05 min Scan# 930
Delta R.T. 0.16 min
Lab File: BG028037.D
Acq: 27 Jul 2017 21:48

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 45 Resp: 282
Ion Ratio Lower Upper
45 100
77 0.0 12.5 18.7#
79 0.0 9.4 14.2#

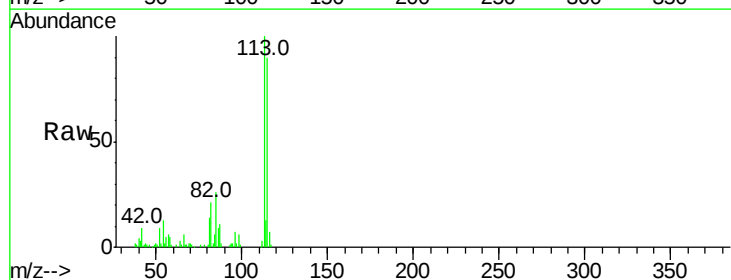


Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC

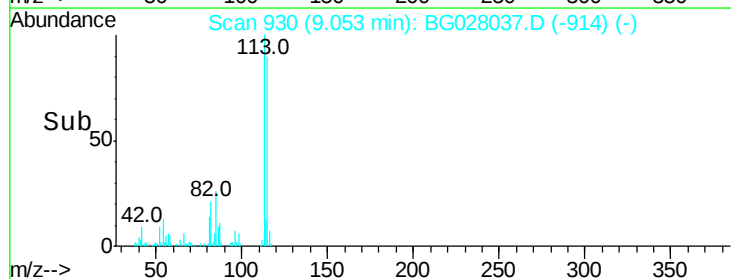
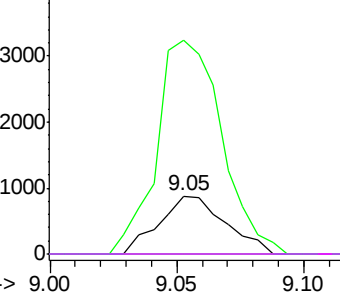


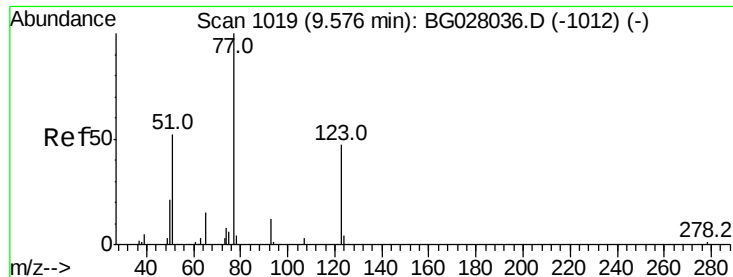
#15
N-Nitroso-di-n-propylamine
Concen: 0.916 ng/ul
RT: 9.05 min Scan# 930
Delta R.T. -0.11 min
Lab File: BG028037.D
Acq: 27 Jul 2017 21:48

Tgt Ion: 70 Resp: 1590
Ion Ratio Lower Upper
70 100
42 369.7 40.2 60.4#
101 0.0 7.7 11.5#
130 0.0 17.8 26.6#



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

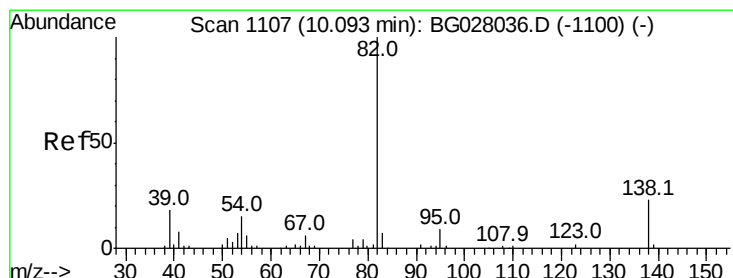
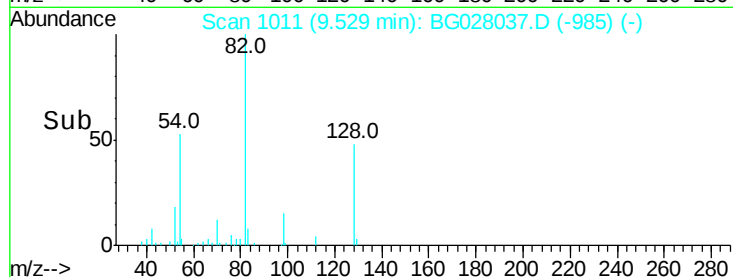
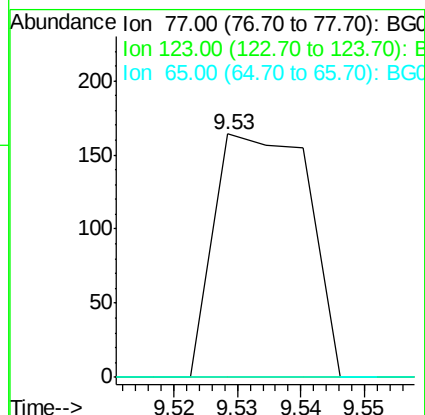
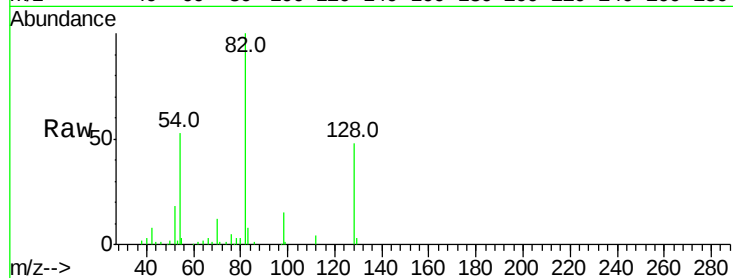




#20
Nitrobenzene
Concen: 0.067 ng/ul
RT: 9.53 min Scan# 1011
Delta R.T. -0.05 min
Lab File: BG028037.D
Acq: 27 Jul 2017 21:48

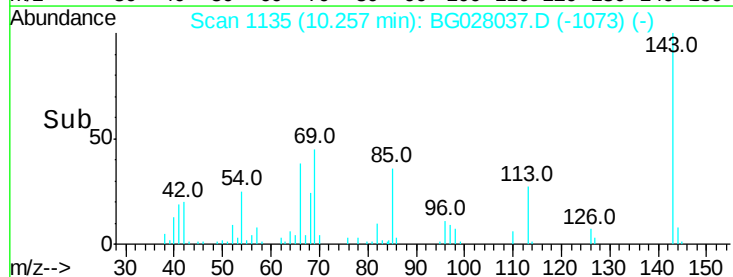
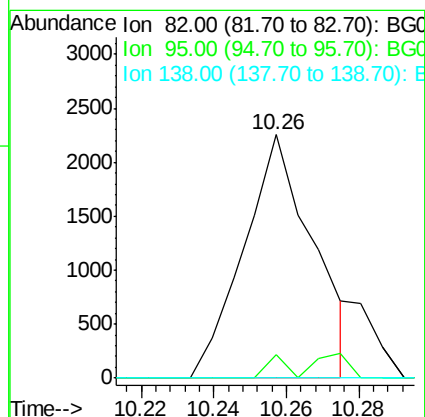
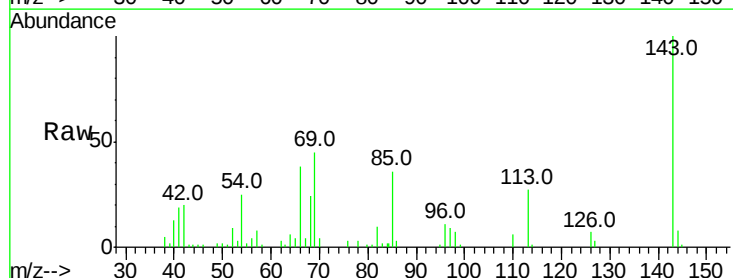
Instrument :
BNA_G
ClientSampled :

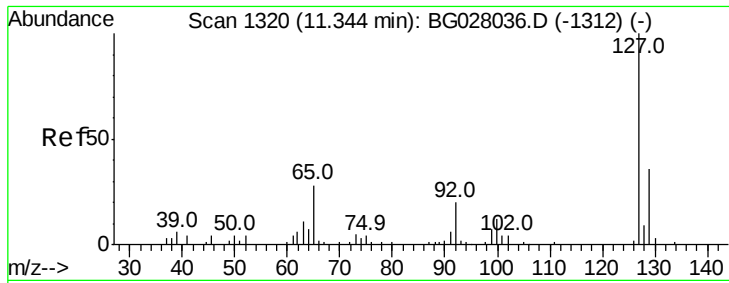
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	31.8	47.8#
65	0.0	10.6	16.0#



#21
Isophorone
Concen: 0.622 ng/ul
RT: 10.26 min Scan# 1135
Delta R.T. 0.16 min
Lab File: BG028037.D
Acq: 27 Jul 2017 21:48

Tgt Ion	Ratio	Lower	Upper
82	100		
95	9.8	6.1	9.1#
138	0.0	13.5	20.3#

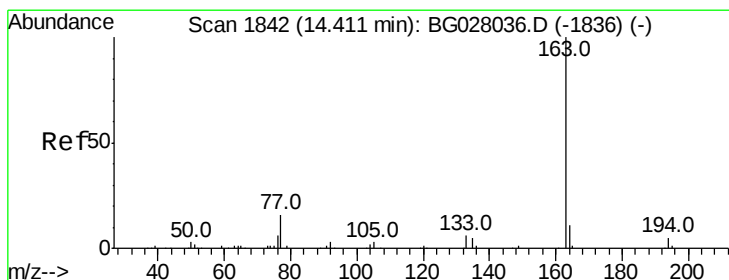
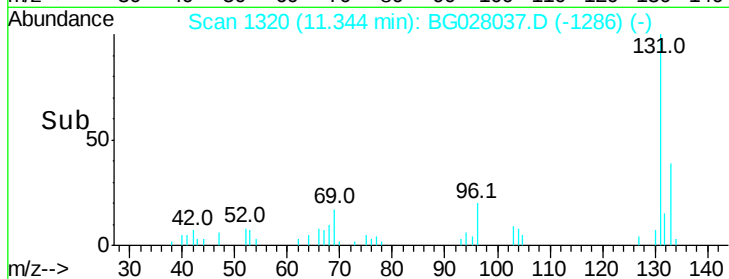
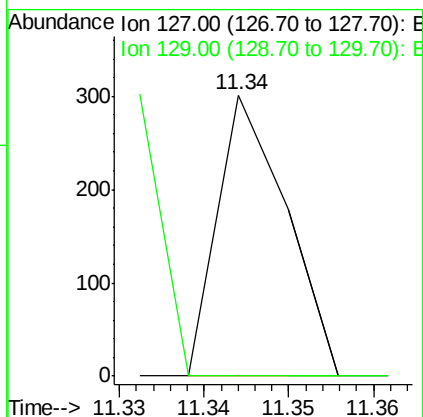
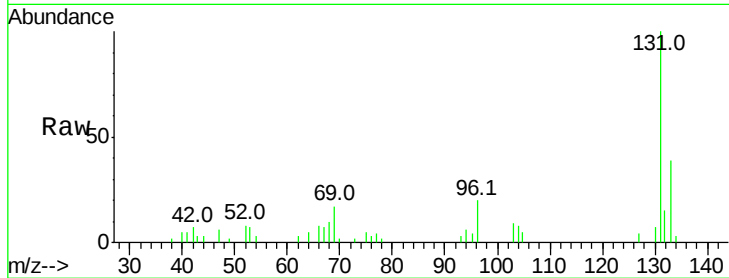




#30
4-Chloroaniline
Concen: 0.060 ng/ul
RT: 11.34 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BG028037.D
Acq: 27 Jul 2017 21:48

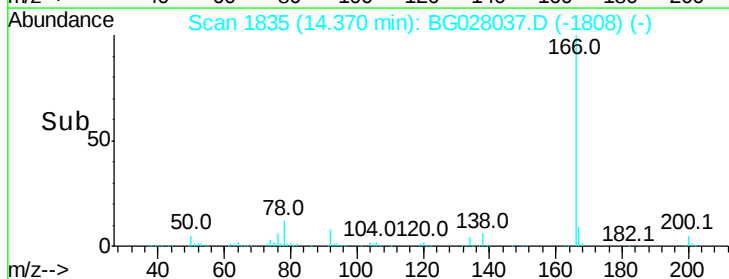
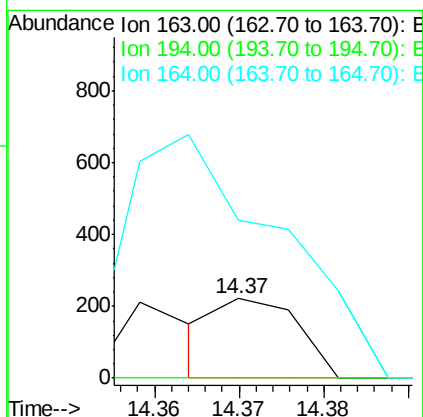
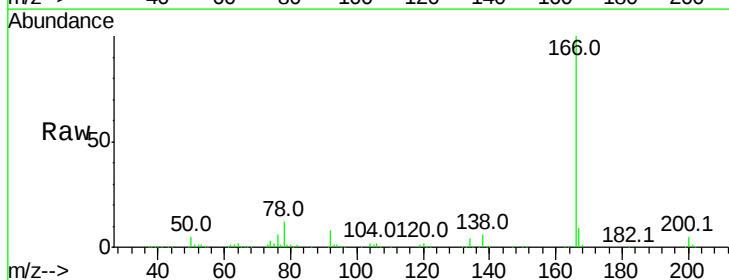
Instrument :
BNA_G
ClientSampleId :

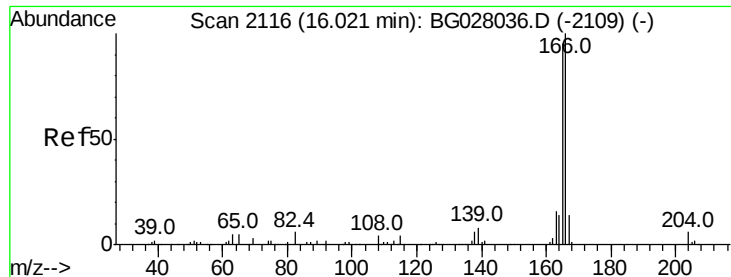
Tot Ion:127 Resp: 169
Ion Ratio Lower Upper
127 100
129 0.0 24.6 37.0#



#45
Dimethylphthalate
Concen: 0.014 ng/ul
RT: 14.37 min Scan# 1835
Delta R.T. -0.04 min
Lab File: BG028037.D
Acq: 27 Jul 2017 21:48

Tgt Ion:163 Resp: 146
Ion Ratio Lower Upper
163 100
194 0.0 4.0 6.0#
164 198.2 8.4 12.6#





#59

Fluorene

Concen: 0.066 ng/ul

RT: 15.96 min Scan# 2106

Delta R.T. -0.06 min

Lab File: BG028037.D

Acq: 27 Jul 2017 21:48

Instrument :

BNA_G

ClientSampleId :

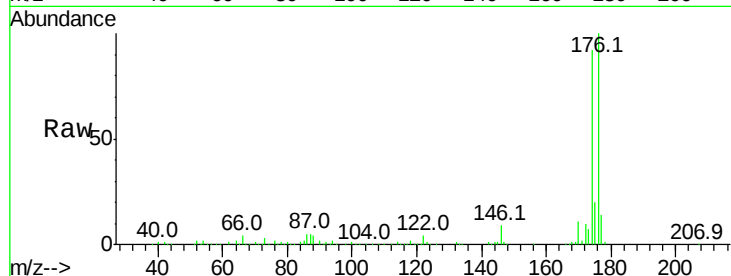
Tot Ion:166 Resp: 712

Ion Ratio Lower Upper

166 100

165 0.0 78.4 117.6#

167 28.5 11.1 16.7#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

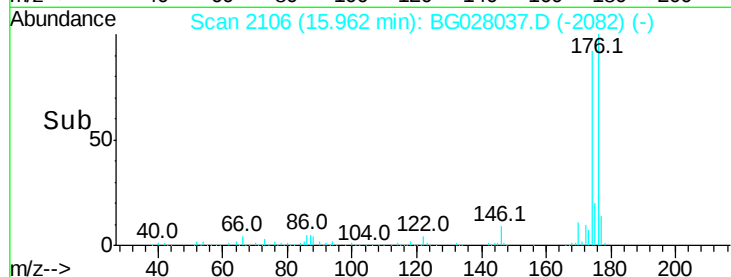
15.96

400

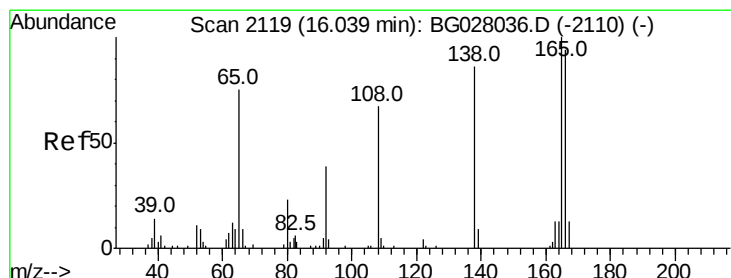
200

0

15.94 15.96 15.98



Time-->



#61

4-Nitroaniline

Concen: 0.060 ng/ul

RT: 16.07 min Scan# 2125

Delta R.T. 0.03 min

Lab File: BG028037.D

Acq: 27 Jul 2017 21:48

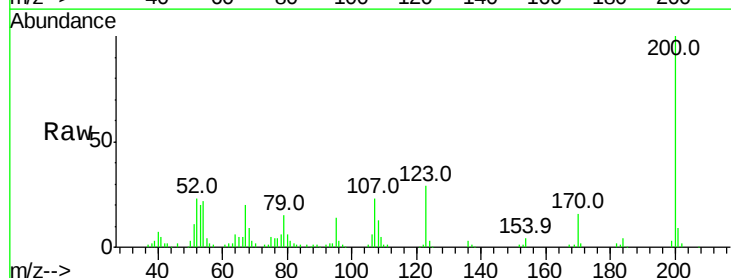
Tgt Ion:138 Resp: 128

Ion Ratio Lower Upper

138 100

92 271.6 38.2 57.4#

108 3047.4 70.0 105.0#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E

8000

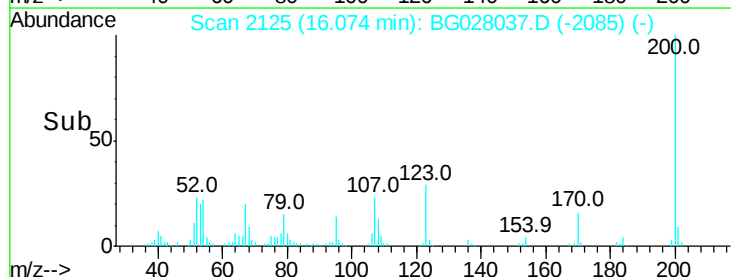
6000

4000

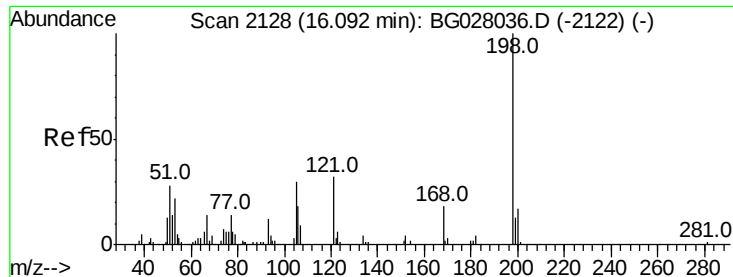
2000

0

16.06 16.07 16.08 16.09



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 0.041 ng/ul

RT: 16.08 min Scan# 2126

Delta R.T. -0.01 min

Lab File: BG028037.D

Acq: 27 Jul 2017 21:48

Instrument :

BNA_G

ClientSampleId :

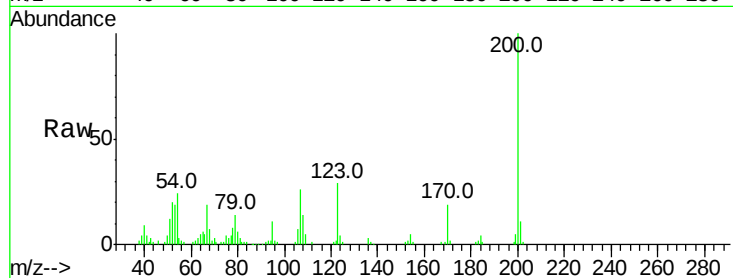
Tot Ion:198 Resp: 110

Ion Ratio Lower Upper

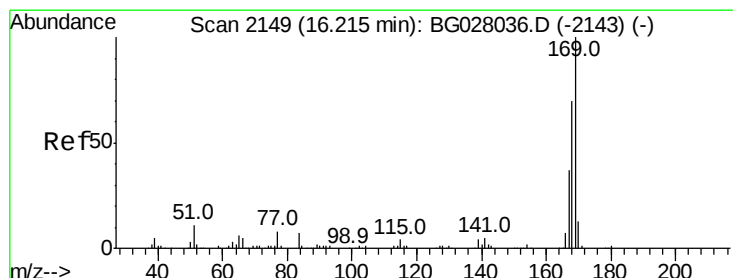
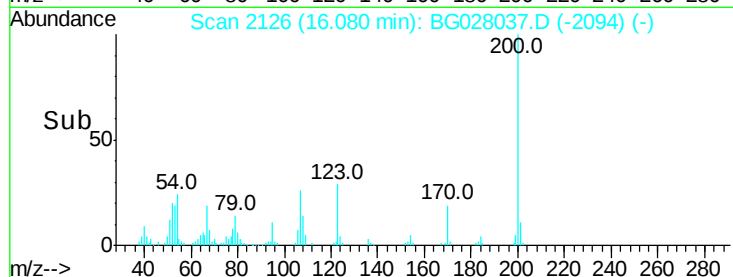
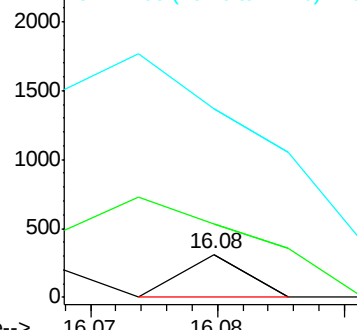
198 100

182 171.5 3.5 5.3#

77 437.8 18.2 27.4#



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): B



#65

N-Nitrosodiphenylamine

Concen: 0.008 ng/ul

RT: 16.10 min Scan# 2129

Delta R.T. -0.12 min

Lab File: BG028037.D

Acq: 27 Jul 2017 21:48

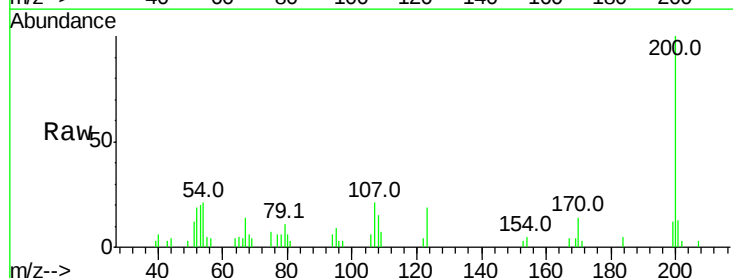
Tgt Ion:169 Resp: 80

Ion Ratio Lower Upper

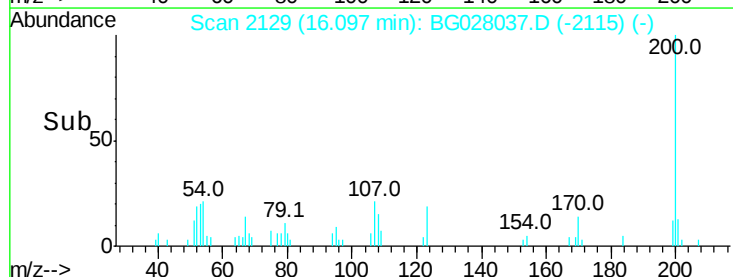
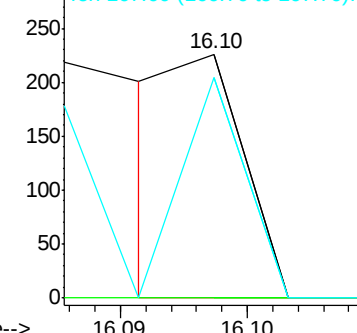
169 100

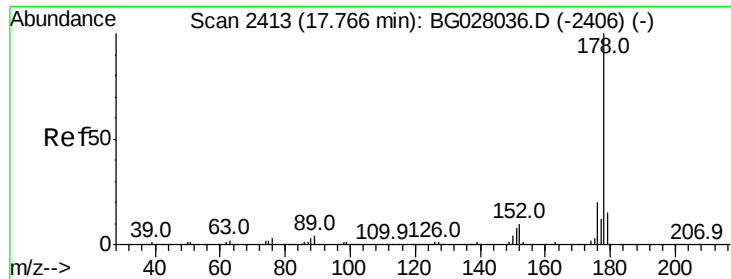
168 0.0 53.8 80.8#

167 90.3 29.5 44.3#



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

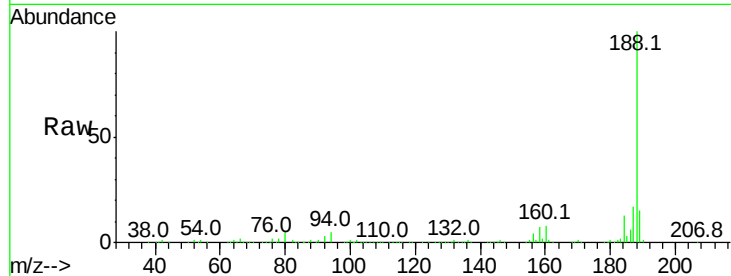




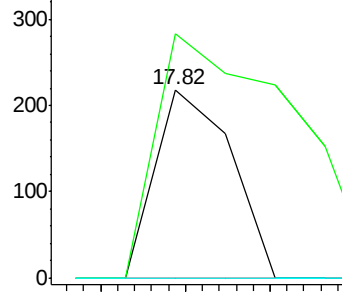
#70
Phenanthrene
Concen: 0.007 ng/ul
RT: 17.82 min Scan# 2422
Delta R.T. 0.05 min
Lab File: BG028037.D
Acq: 27 Jul 2017 21:48

Instrument :
BNA_G
ClientSampleId :

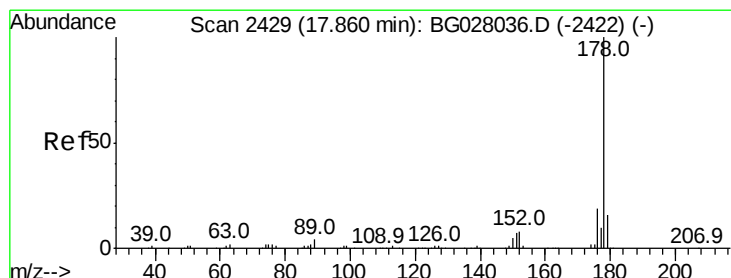
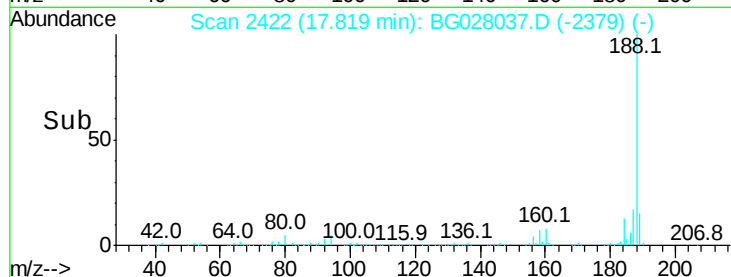
Tot Ion:178 Resp: 136
Ion Ratio Lower Upper
178 100
179 129.8 12.3 18.5#
176 0.0 15.4 23.0#



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

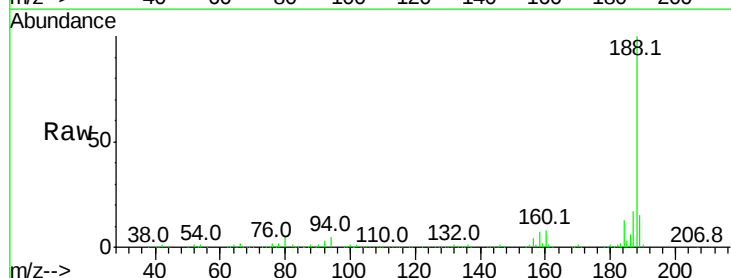


Time-->

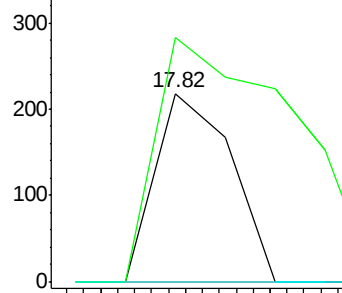


#72
Anthracene
Concen: 0.007 ng/ul
RT: 17.82 min Scan# 2422
Delta R.T. -0.04 min
Lab File: BG028037.D
Acq: 27 Jul 2017 21:48

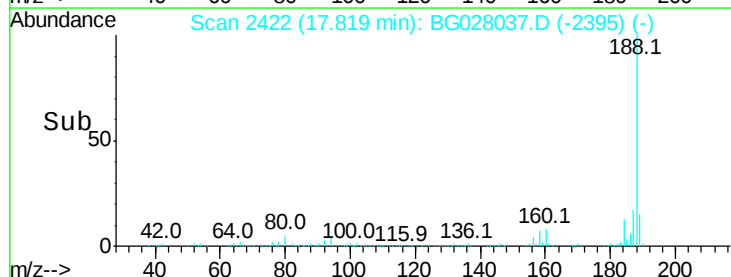
Tgt Ion:178 Resp: 136
Ion Ratio Lower Upper
178 100
179 129.8 13.4 20.2#
176 0.0 15.4 23.0#

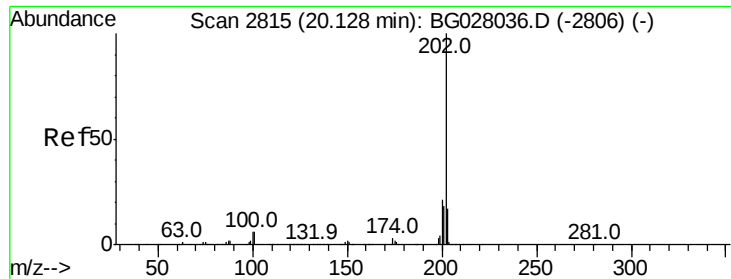


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->

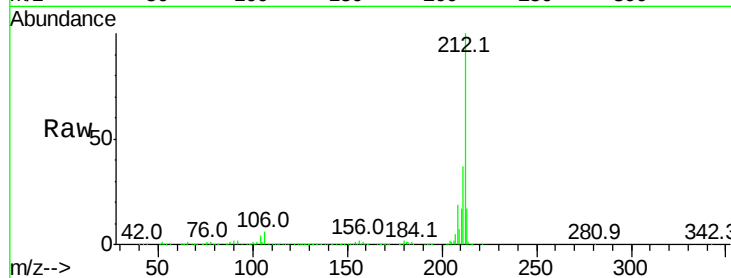




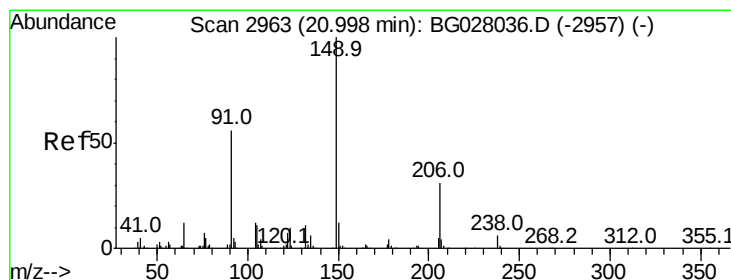
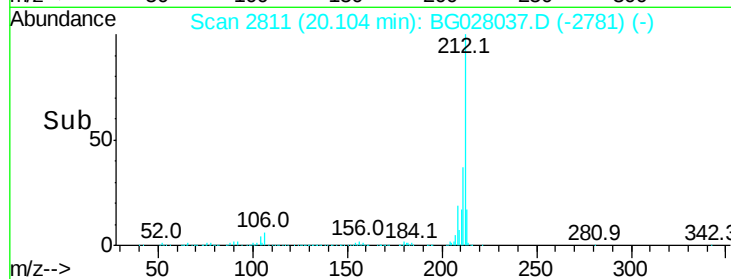
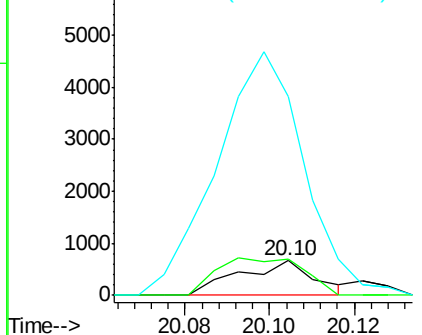
#80
 Pvrene
 Concen: 0.031 ng/ul
 RT: 20.10 min Scan# 2811
 Delta R.T. -0.02 min
 Lab File: BG028037.D
 Acq: 27 Jul 2017 21:48

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	104.8	6.9	10.3#
100	573.5	5.6	8.4#

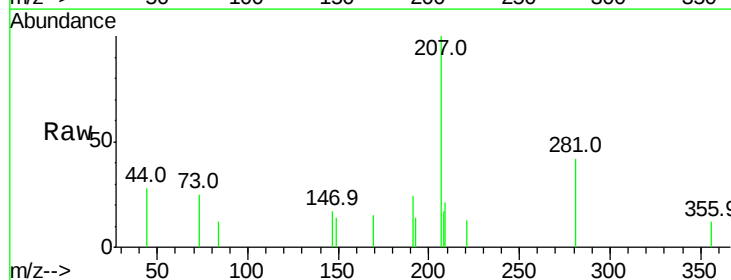


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): E

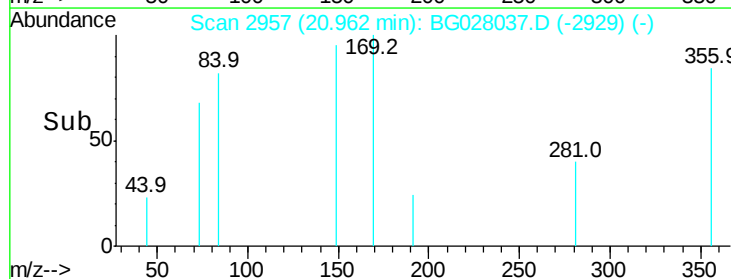
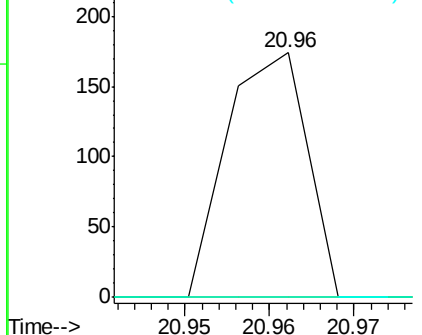


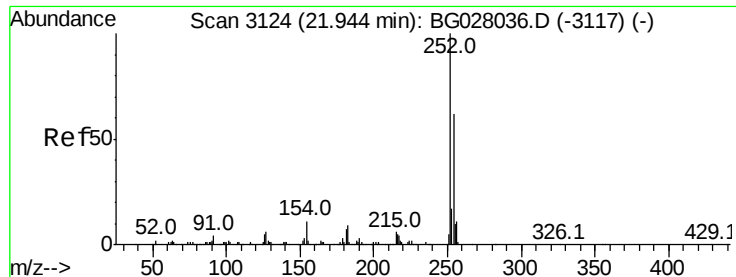
#81
 Butylbenzylphthalate
 Concen: 0.015 ng/ul
 RT: 20.96 min Scan# 2957
 Delta R.T. -0.04 min
 Lab File: BG028037.D
 Acq: 27 Jul 2017 21:48

Tgt Ion	Ratio	Lower	Upper
149	100		
91	0.0	53.4	80.0#
206	0.0	19.3	28.9#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BG
 Ion 206.00 (205.70 to 206.70): E





#82

3,3'-Dichlorobenzidine

Concen: 0.042 ng/ul

RT: 21.95 min Scan# 3125

Delta R.T. 0.01 min

Lab File: BG028037.D

Acq: 27 Jul 2017 21:48

Instrument :

BNA_G

ClientSampleId :

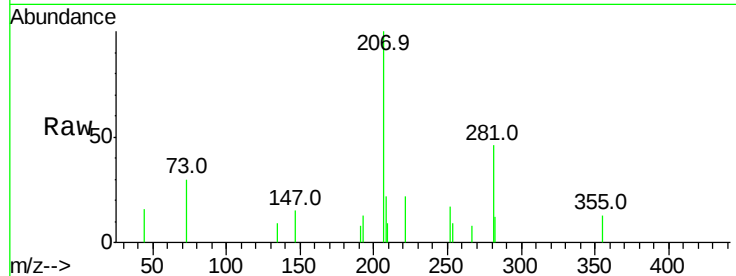
Tot Ion:252 Resp: 397

Ion Ratio Lower Upper

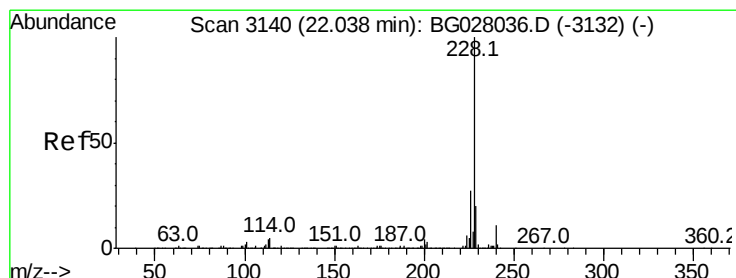
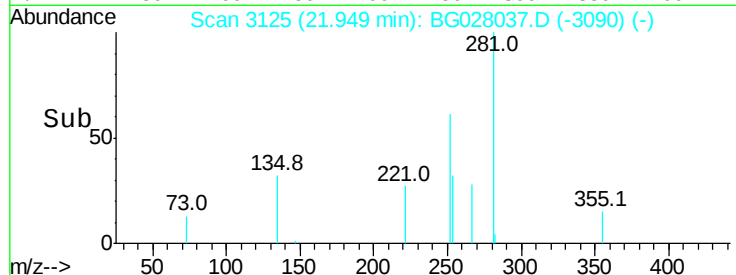
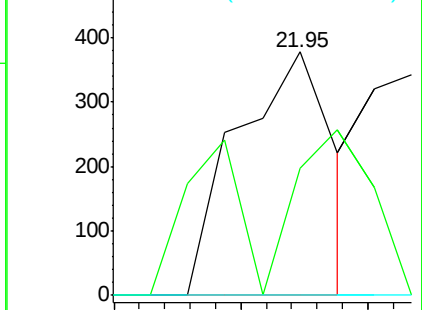
252 100

254 52.4 52.8 79.2#

126 0.0 6.9 10.3#



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



#83

Benzo(a)anthracene

Concen: 0.047 ng/ul

RT: 22.07 min Scan# 3145

Delta R.T. 0.03 min

Lab File: BG028037.D

Acq: 27 Jul 2017 21:48

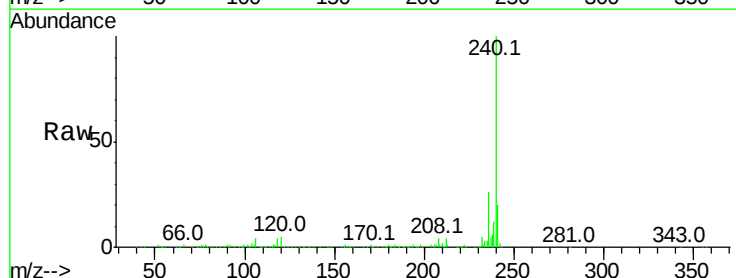
Tgt Ion:228 Resp: 1270

Ion Ratio Lower Upper

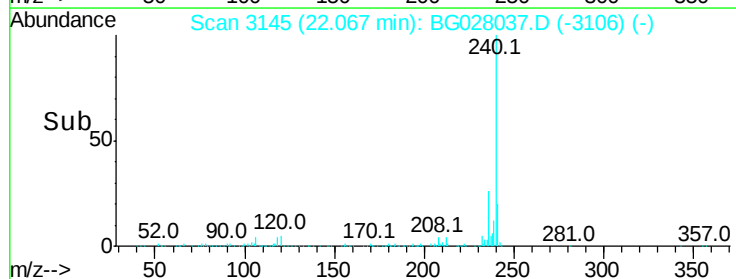
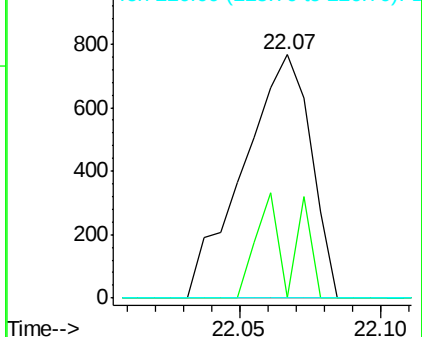
228 100

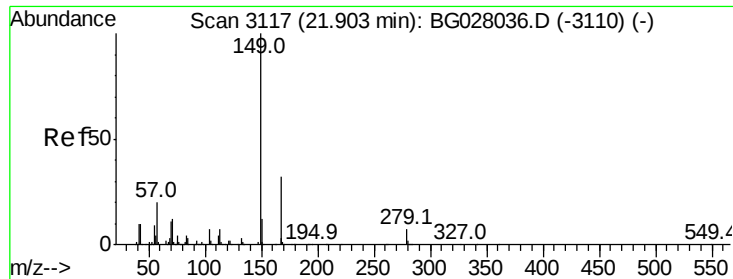
229 0.0 16.0 24.0#

226 0.0 21.8 32.8#



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: 0.038 ng/ul

RT: 21.90 min Scan# 3117

Delta R.T. -0.00 min

Lab File: BG028037.D

Acq: 27 Jul 2017 21:48

Instrument :

BNA_G

ClientSampleId :

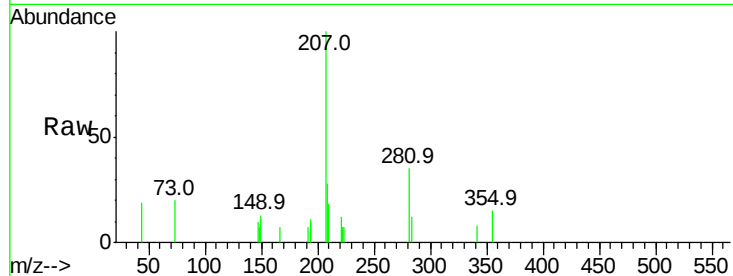
Tot Ion:149 Resp: 437

Ion Ratio Lower Upper

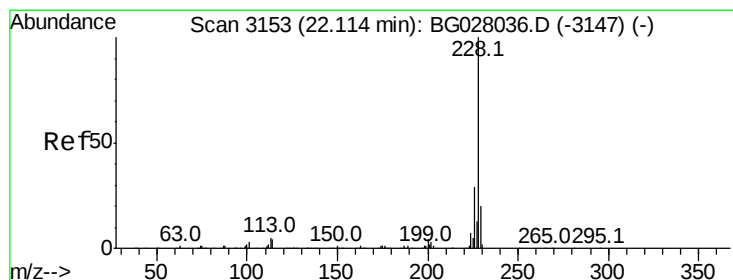
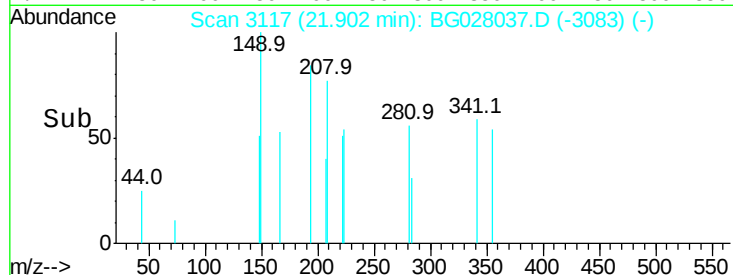
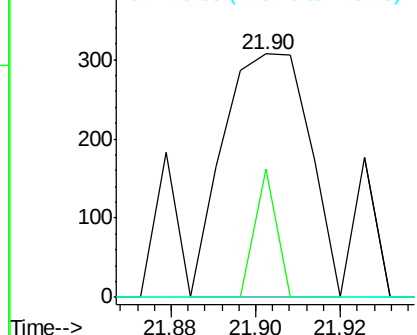
149 100

167 52.8 23.0 34.6#

279 0.0 4.3 6.5#



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: 0.051 ng/ul

RT: 22.07 min Scan# 3145

Delta R.T. -0.05 min

Lab File: BG028037.D

Acq: 27 Jul 2017 21:48

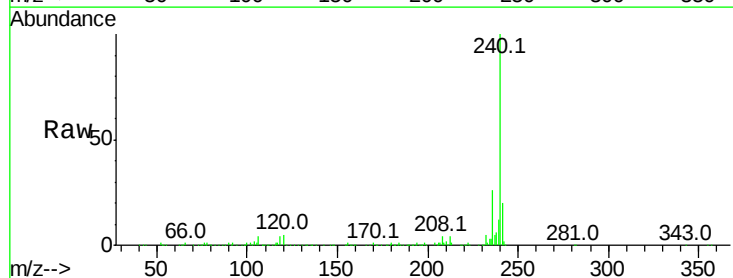
Tgt Ion:228 Resp: 1270

Ion Ratio Lower Upper

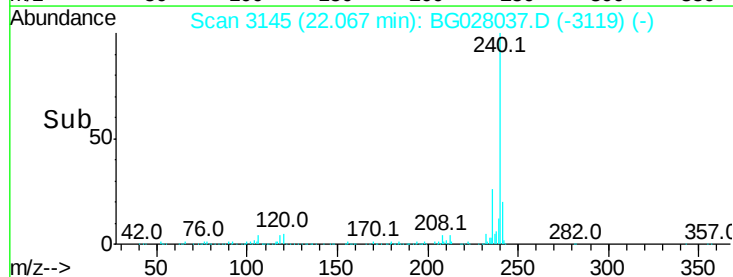
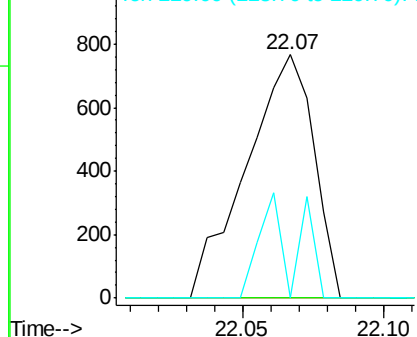
228 100

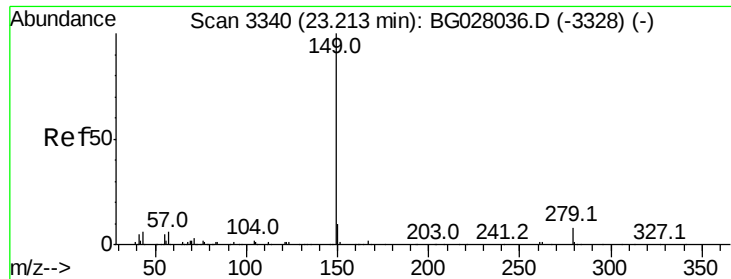
226 0.0 24.1 36.1#

229 0.0 16.0 24.0#



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

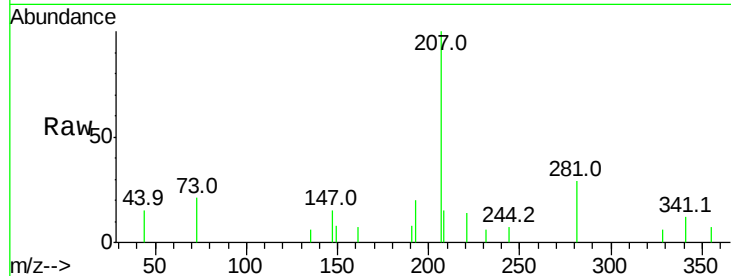




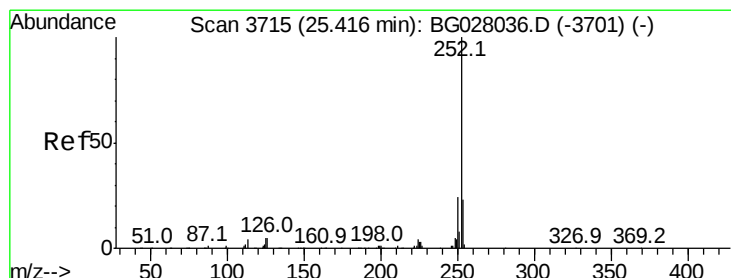
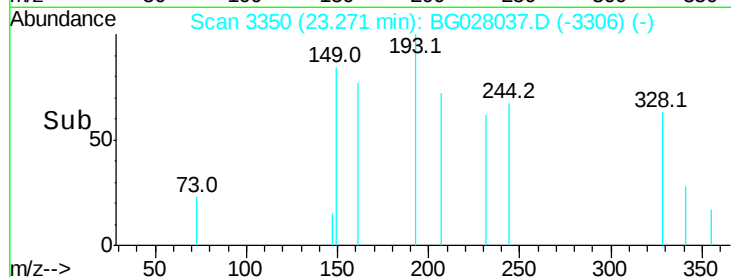
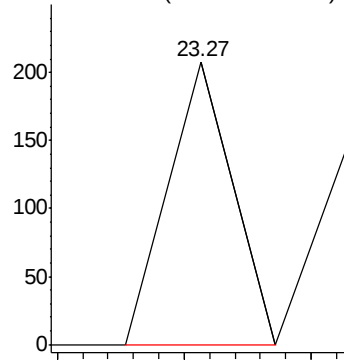
#87
Di-n-octyl phthalate
Concen: 0.004 ng/ul
RT: 23.27 min Scan# 3350
Delta R.T. 0.06 min
Lab File: BG028037.D
Acq: 27 Jul 2017 21:48

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:149 Resp: 73

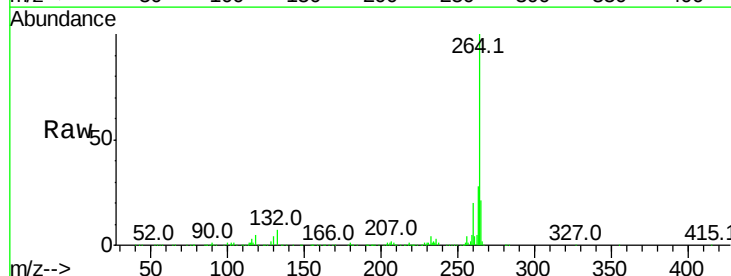


Abundance Ion 149.00 (148.70 to 149.70): E



#91
Benzo(a)pyrene
Concen: 0.060 ng/ul
RT: 25.35 min Scan# 3703
Delta R.T. -0.07 min
Lab File: BG028037.D
Acq: 27 Jul 2017 21:48

Tgt Ion:252 Resp: 1691
Ion Ratio Lower Upper
252 100
253 33.2 17.2 25.8#
125 0.0 5.8 8.6#



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

