

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122217\
 Data File : BG031725.D
 Acq On : 22 Dec 2017 23:48
 Operator : SJ/JU
 Sample : I7004-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR-MW-03-121917

Quant Time: Dec 23 01:13:51 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 11:08:55 2017
 Response via : Initial Calibration

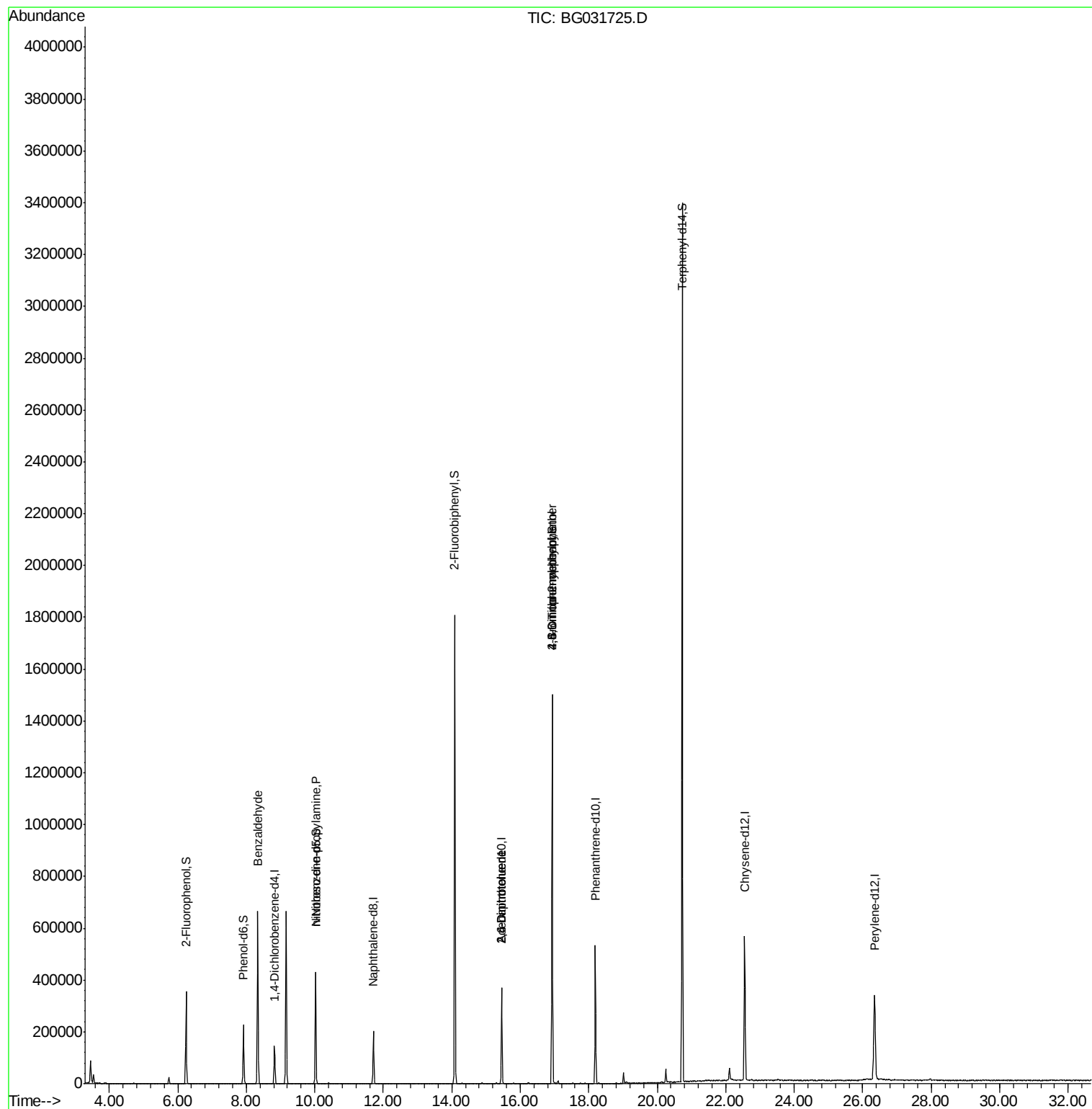
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.82	152	52182	20.00	ng	-0.02
21) Naphthalene-d8	11.71	136	208292	20.00	ng	0.00
38) Acenaphthene-d10	15.46	164	146654	20.00	ng	0.00
63) Phenanthrene-d10	18.19	188	370191	20.00	ng	0.00
75) Chrysene-d12	22.55	240	425969	20.00	ng	-0.02
86) Perylene-d12	26.34	264	451682	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.24	112	199664	69.69	ng	0.00
7) Phenol-d6	7.92	99	161687	43.47	ng	0.00
23) Nitrobenzene-d5	10.02	82	286460	103.85	ng	-0.02
41) 2,4,6-Tribromophenol	16.93	330	359747	160.76	ng	0.00
44) 2-Fluorobiphenyl	14.09	172	1089072	93.21	ng	0.00
78) Terphenyl-d14	20.73	244	1900043	101.91	ng	0.00
Target Compounds						
9) Benzaldehyde	8.34	77	7654	3.417	ng	97
19) n-Nitroso-di-n-propylamine	10.03	70	38036	14.973	ng	# 67
50) 2,6-Dinitrotoluene	15.46	165	19010	7.998	ng	# 18
56) 2,4-Dinitrotoluene	15.46	165	19010	6.220	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.94	198	787	8.667	ng	# 60
66) 4-Bromophenyl-phenylether	16.93	248	29228	5.460	ng	# 1

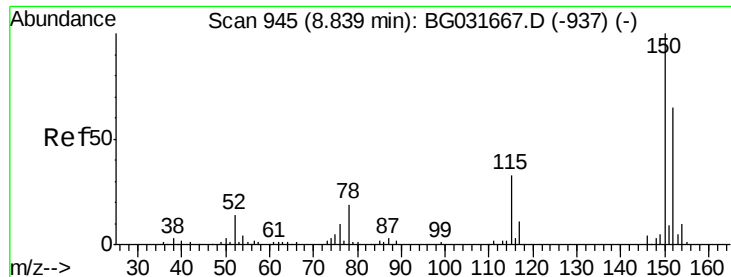
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



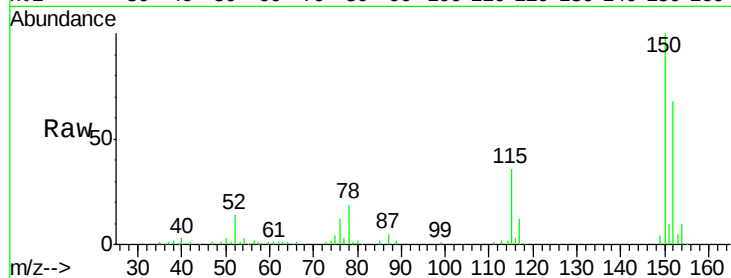


#1

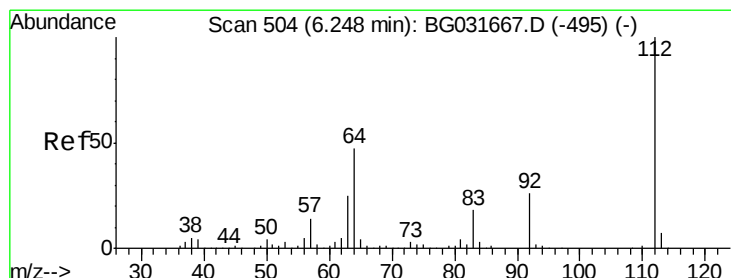
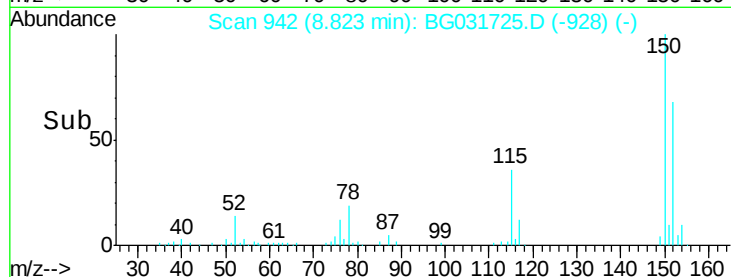
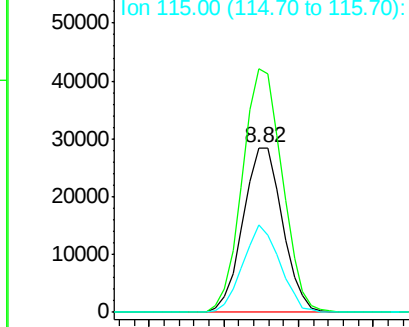
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.82 min Scan# 942
Delta R.T. -0.02 min
Lab File: BG031725.D
Acq: 22 Dec 2017 23:48

Instrument :
BNA_G
ClientSampleId :
PR-MW-03-121917

Tot Ion:152 Resp: 52182
Ion Ratio Lower Upper
152 100
150 147.7 126.6 189.8
115 53.2 53.0 79.4



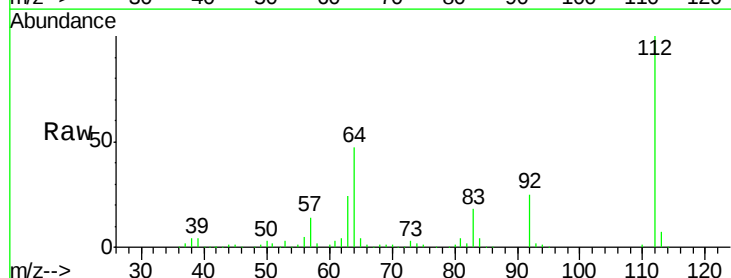
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



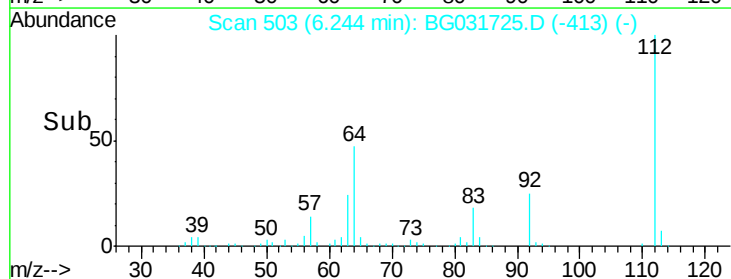
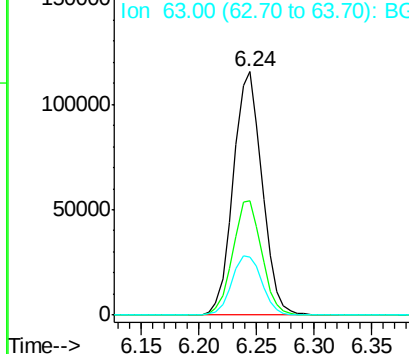
#5

2-Fluorophenol
Concen: 69.692 ng
RT: 6.24 min Scan# 503
Delta R.T. -0.00 min
Lab File: BG031725.D
Acq: 22 Dec 2017 23:48

Tgt Ion:112 Resp: 199664
Ion Ratio Lower Upper
112 100
64 46.9 56.3 84.5#
63 24.0 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 43.468 ng

RT: 7.92 min Scan# 788

Delta R.T. -0.01 min

Lab File: BG031725.D

Acq: 22 Dec 2017 23:48

Instrument :

BNA_G

ClientSampleId :

PR-MW-03-121917

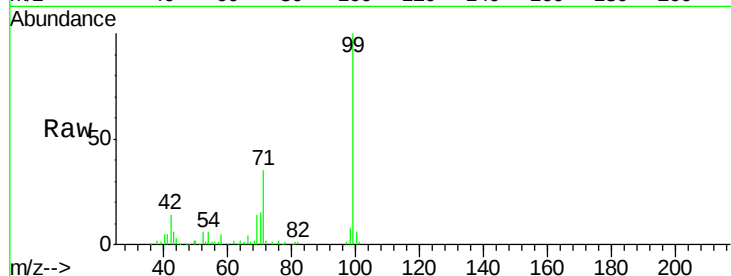
Tot Ion: 99 Resp: 161687

Ion Ratio Lower Upper

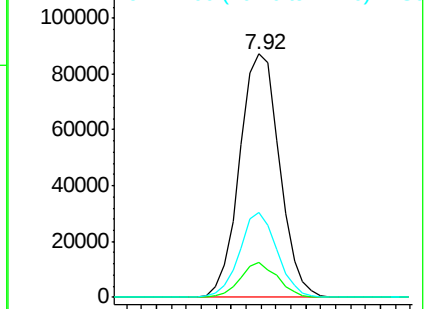
99 100

42 14.2 14.1 21.1

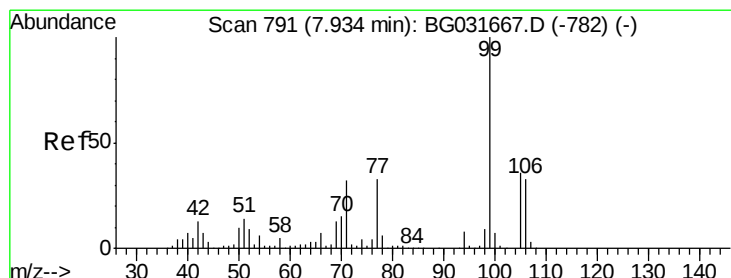
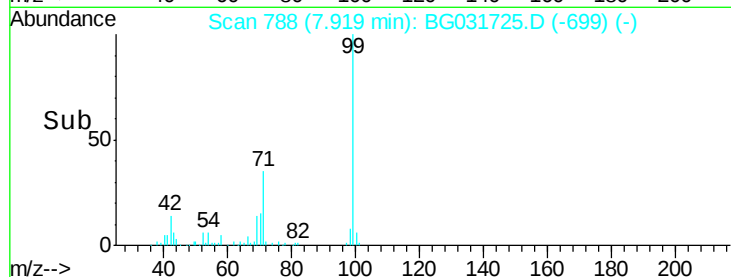
71 34.9 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



Time-->



#9

Benzaldehyde

Concen: 3.417 ng

RT: 8.34 min Scan# 859

Delta R.T. 0.40 min

Lab File: BG031725.D

Acq: 22 Dec 2017 23:48

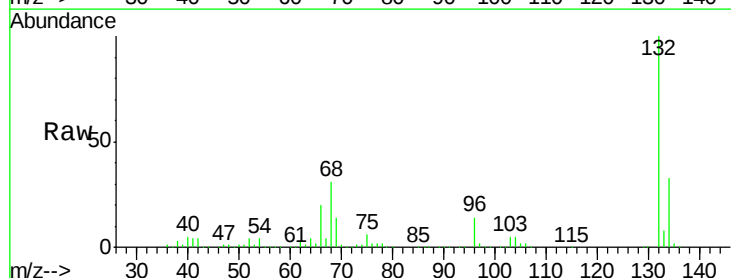
Tgt Ion: 77 Resp: 7654

Ion Ratio Lower Upper

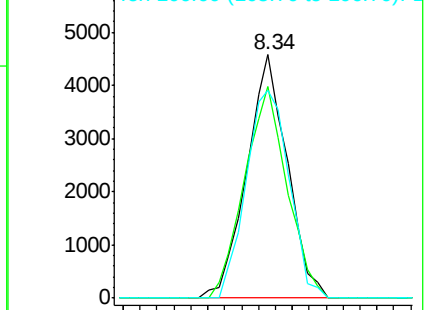
77 100

105 87.0 71.3 111.3

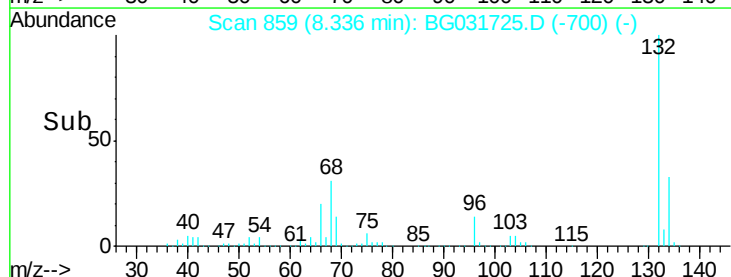
106 85.3 64.2 104.2

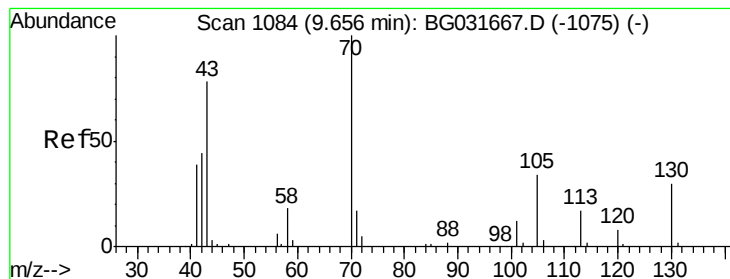


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



Time-->





#19

n-Nitroso-di-n-propylamine

Concen: 14.973 ng

RT: 10.03 min Scan# 1147

Delta R.T. 0.37 min

Lab File: BG031725.D

Acq: 22 Dec 2017 23:48

Instrument :

BNA_G

ClientSampleId :

PR-MW-03-121917

Tot Ion: 70 Resp: 38036

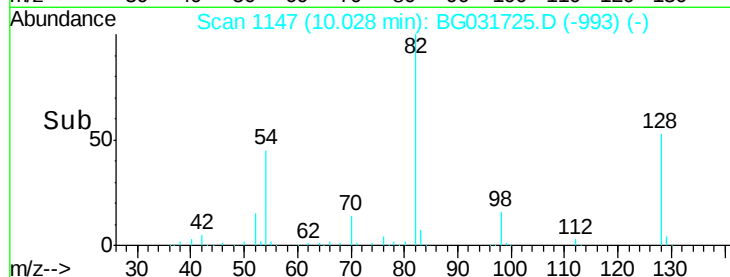
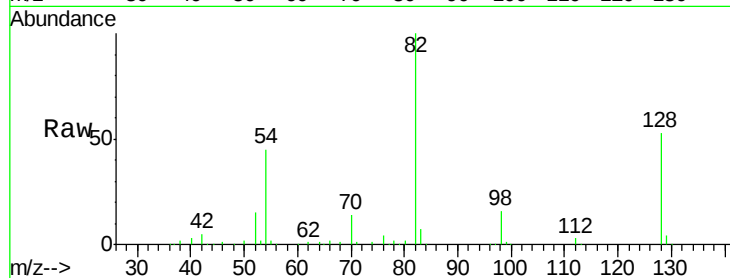
Ion Ratio Lower Upper

70 100

42 35.7 49.1 73.7#

101 0.0 8.5 12.7#

130 3.1 13.4 20.0#

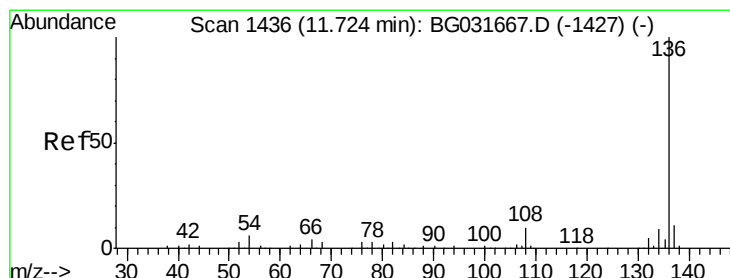
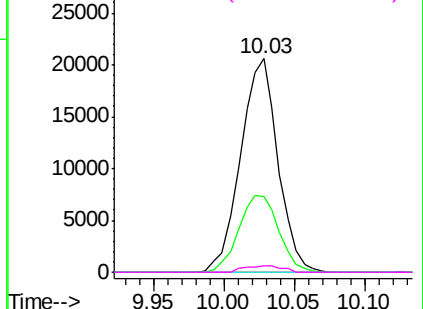


Abundance Ion 70.00 (69.70 to 70.70): BGC

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.71 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BG031725.D

Acq: 22 Dec 2017 23:48

Tgt Ion: 136 Resp: 208292

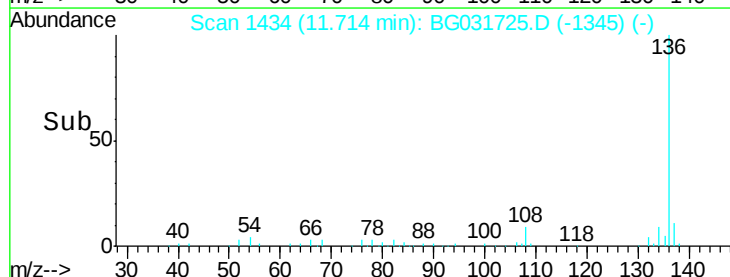
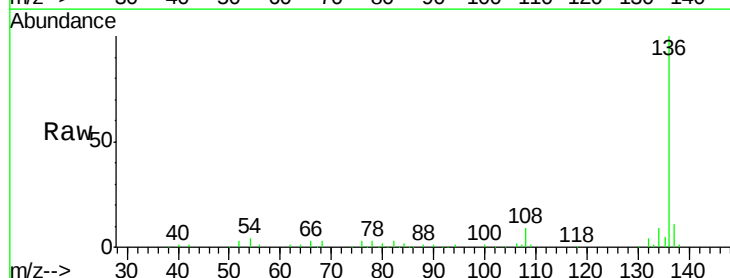
Ion Ratio Lower Upper

136 100

137 10.8 9.2 13.8

54 4.5 10.3 15.5#

68 3.3 4.5 6.7#

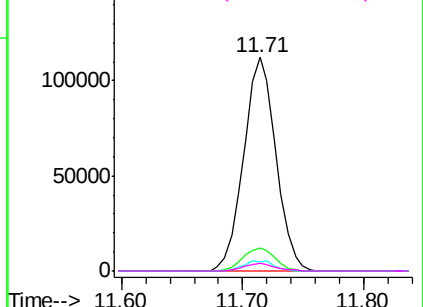


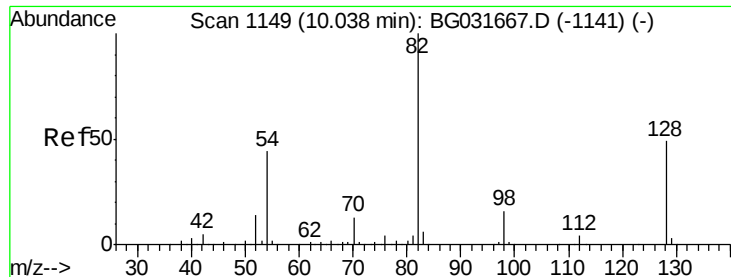
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

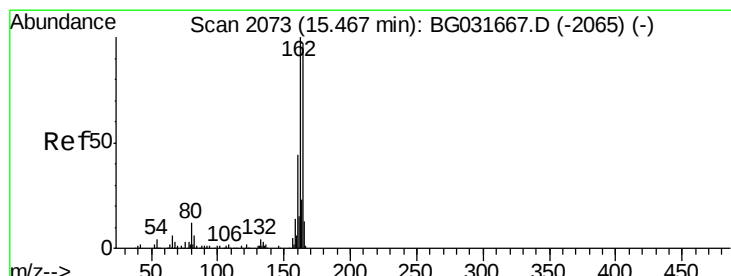
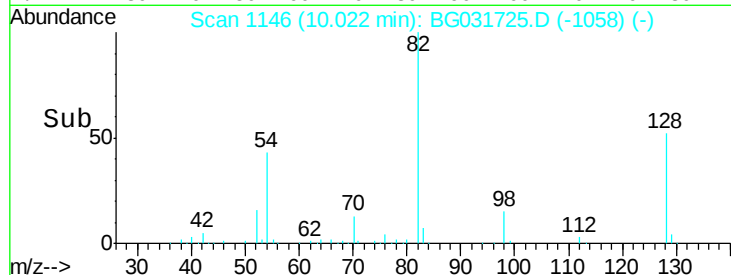
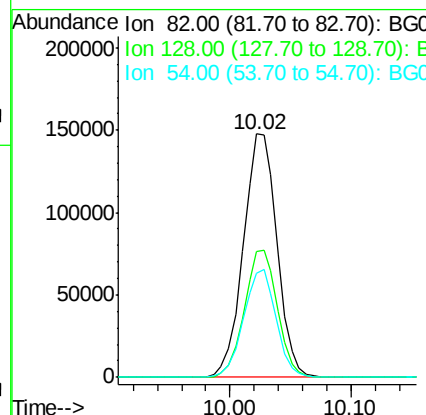
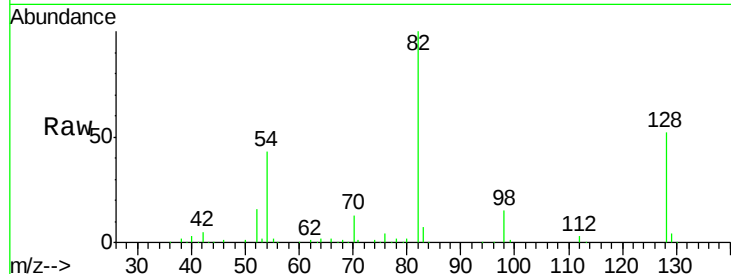




#23
 Nitrobenzene-d5
 Concen: 103.850 ng
 RT: 10.02 min Scan# 1146
 Delta R.T. -0.02 min
 Lab File: BG031725.D
 Acq: 22 Dec 2017 23:48

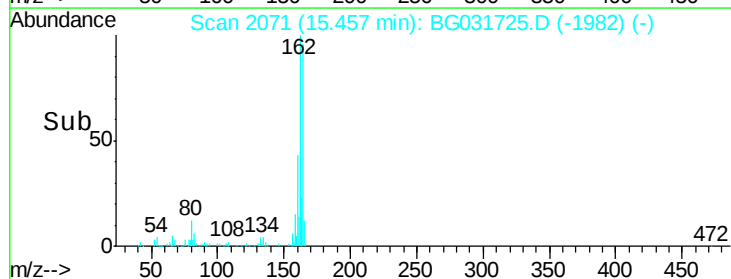
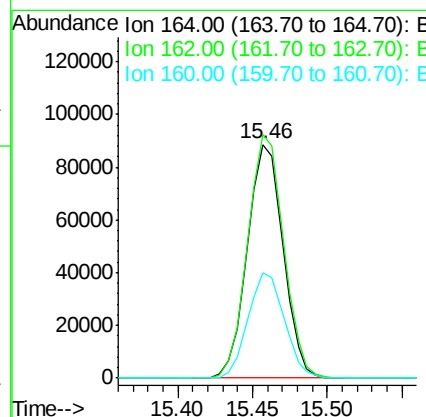
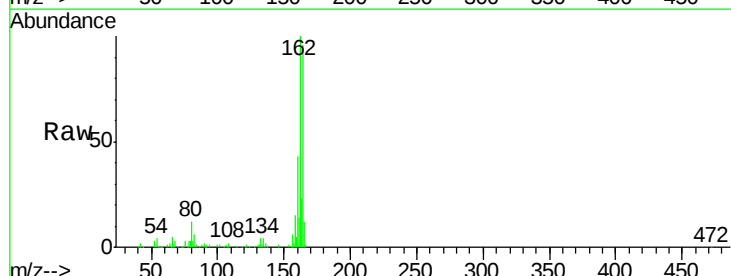
Instrument :
 BNA_G
 ClientSampleId :
 PR-MW-03-121917

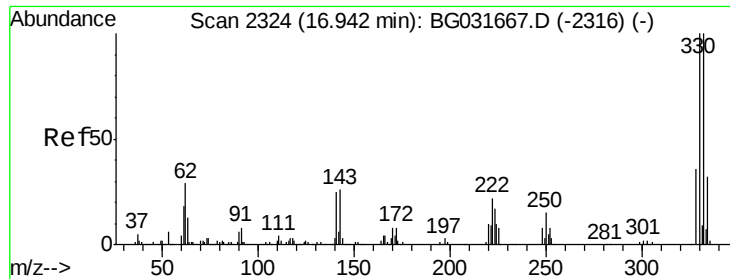
Tot Ion	82	Resp	286460
Ion Ratio	100		
Lower	29.7		
Upper	44.5		
128	51.9		
54	42.8		
	43.1		
	64.7		



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: BG031725.D
 Acq: 22 Dec 2017 23:48

Tgt Ion	164	Resp	146654
Ion Ratio	100		
Lower	78.8		
Upper	118.2		
162	104.2		
160	45.3		
	35.4		
	53.0		

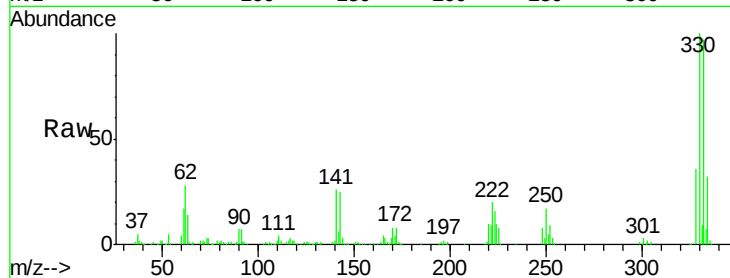




#41
 2,4,6-Tribromophenol
 Concen: 160.764 ng
 RT: 16.93 min Scan# 2322
 Delta R.T. -0.01 min
 Lab File: BG031725.D
 Acq: 22 Dec 2017 23:48

Instrument :
 BNA_G
 ClientSampleId :
 PR-MW-03-121917

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	25.9	25.2	37.8

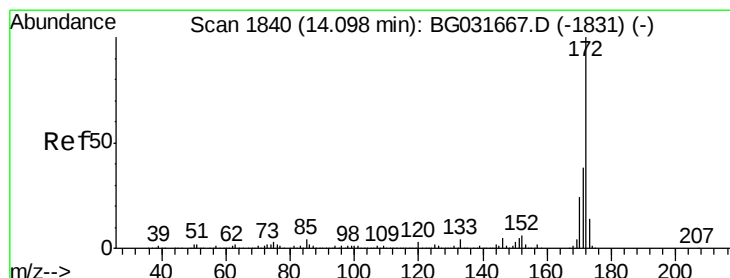
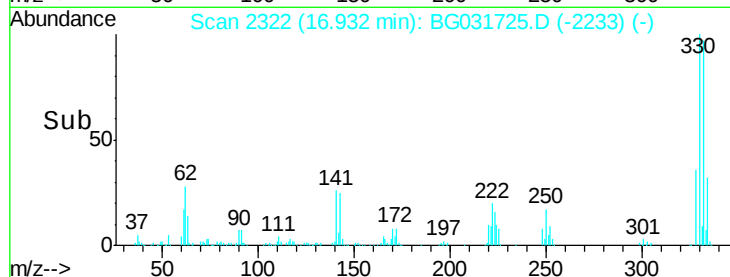
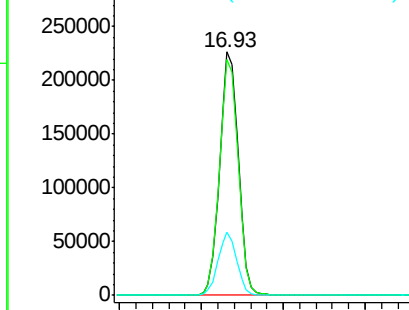


Abundance

Ion 329.80 (329.50 to 330.50): E

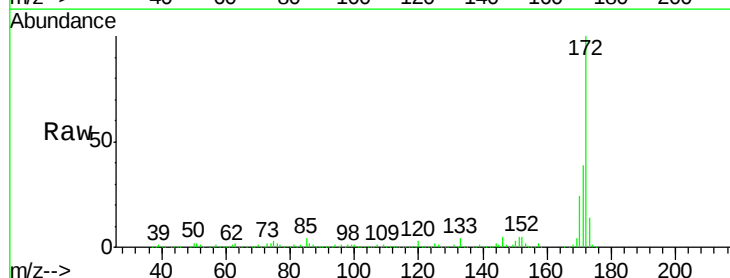
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 93.208 ng
 RT: 14.09 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BG031725.D
 Acq: 22 Dec 2017 23:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.2	30.0	45.0
170	23.7	19.5	29.3

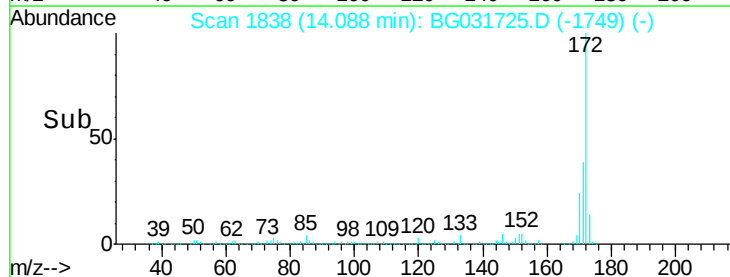
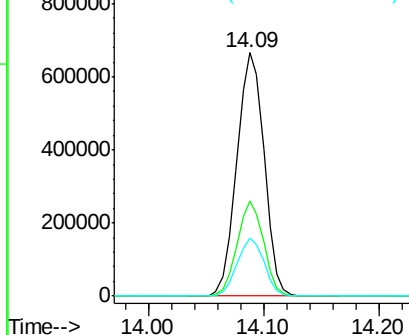


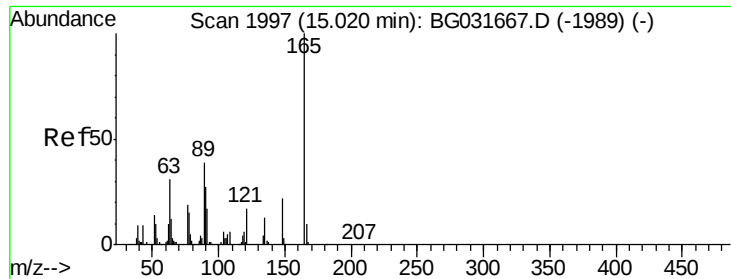
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

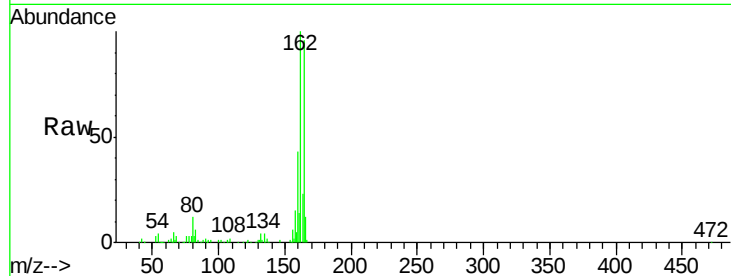




#50
 2,6-Dinitrotoluene
 Concen: 7.998 ng
 RT: 15.46 min Scan# 2071
 Delta R.T. 0.44 min
 Lab File: BG031725.D
 Acq: 22 Dec 2017 23:48

Instrument :
 BNA_G
 ClientSampleId :
 PR-MW-03-121917

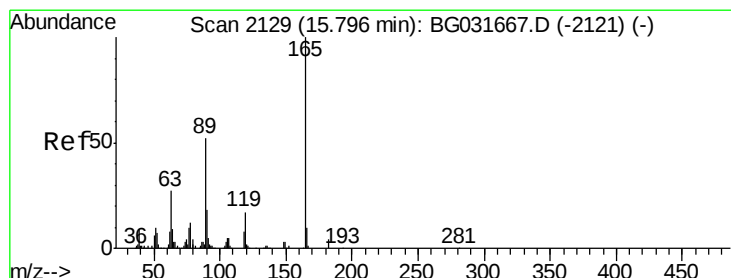
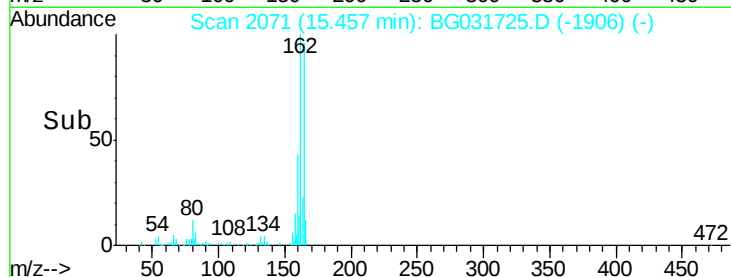
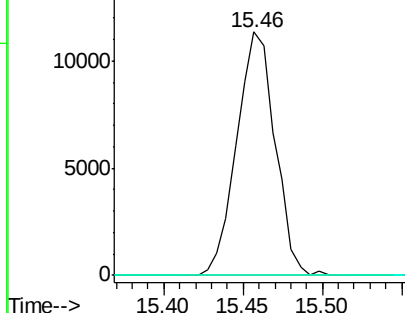
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

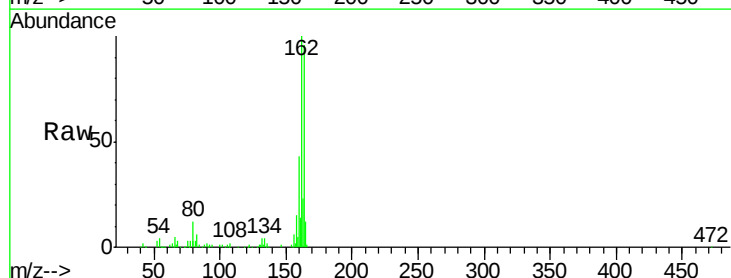
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#56
 2,4-Dinitrotoluene
 Concen: 6.220 ng
 RT: 15.46 min Scan# 2071
 Delta R.T. -0.34 min
 Lab File: BG031725.D
 Acq: 22 Dec 2017 23:48

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#

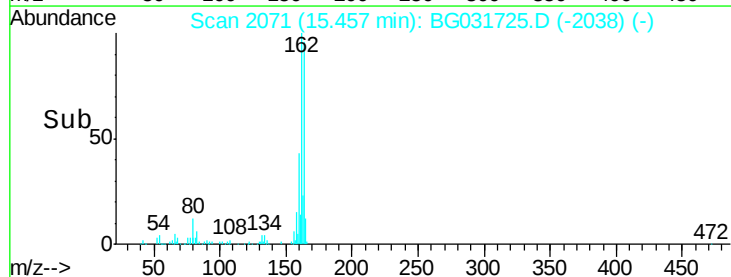
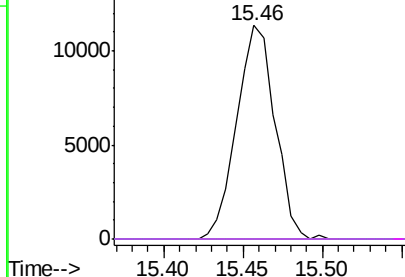


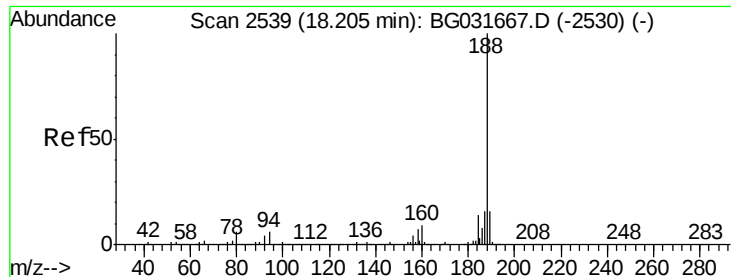
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.19 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BG031725.D

Acq: 22 Dec 2017 23:48

Instrument :

BNA_G

ClientSampleId :

PR-MW-03-121917

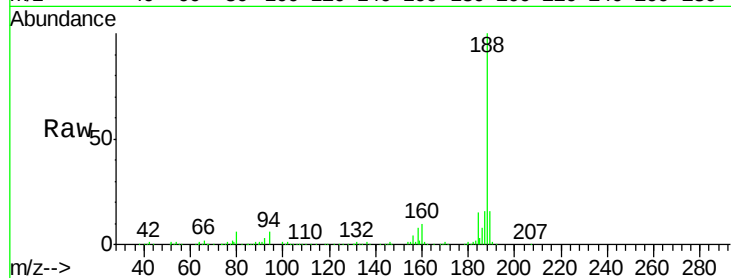
Tot Ion:188 Resp: 370191

Ion Ratio Lower Upper

188 100

94 5.5 6.9 10.3#

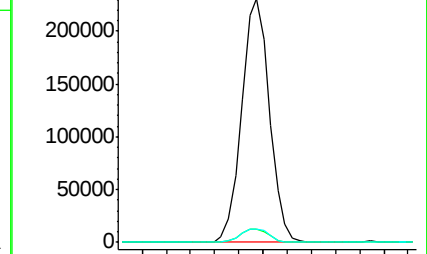
80 5.6 7.7 11.5#



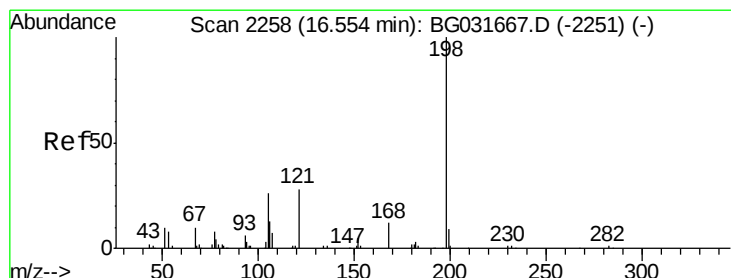
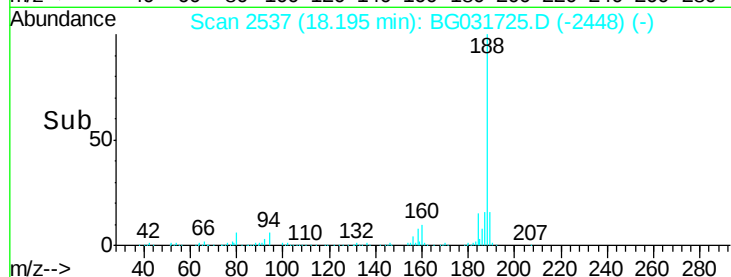
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time--> 18.10 18.20 18.30



#64

4,6-Dinitro-2-methylphenol

Concen: 8.667 ng

RT: 16.94 min Scan# 2323

Delta R.T. 0.38 min

Lab File: BG031725.D

Acq: 22 Dec 2017 23:48

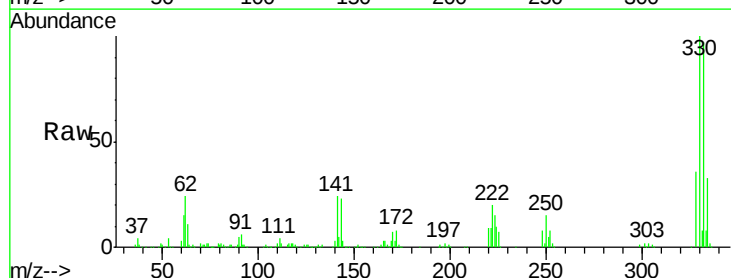
Tgt Ion:198 Resp: 787

Ion Ratio Lower Upper

198 100

51 59.4 30.6 70.6

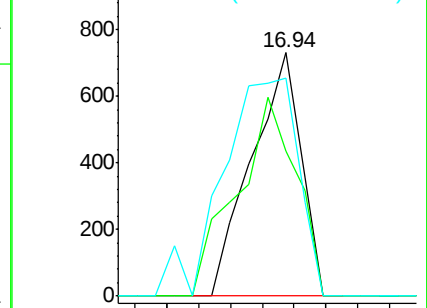
105 89.5 23.8 63.8#



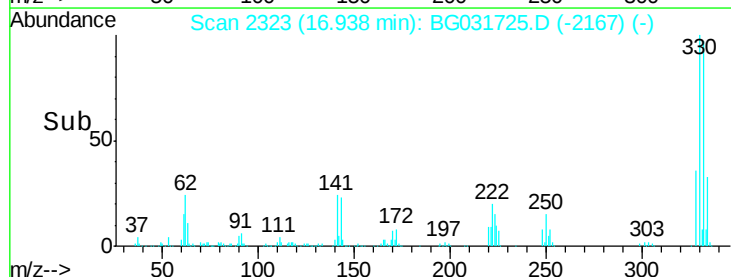
Abundance Ion 198.00 (197.70 to 198.70): E

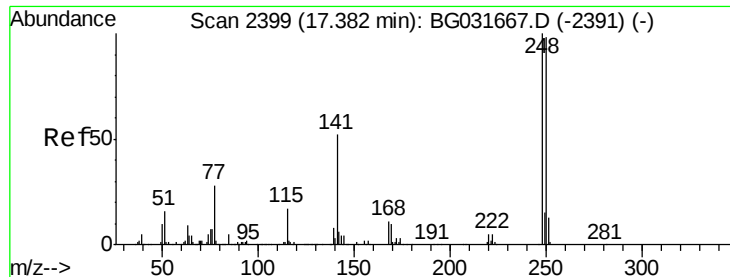
Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E



Time--> 16.90 16.95

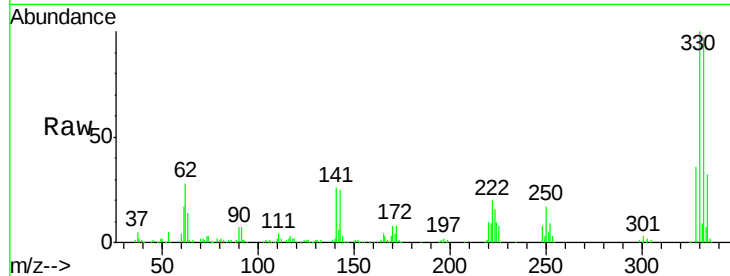




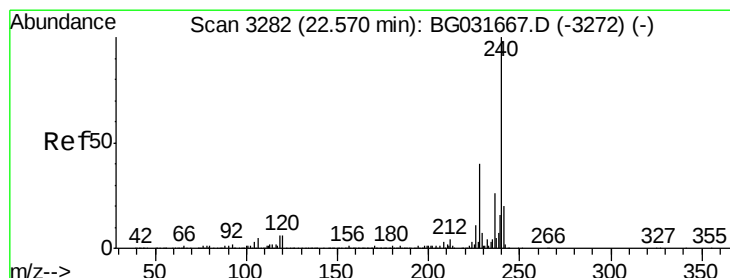
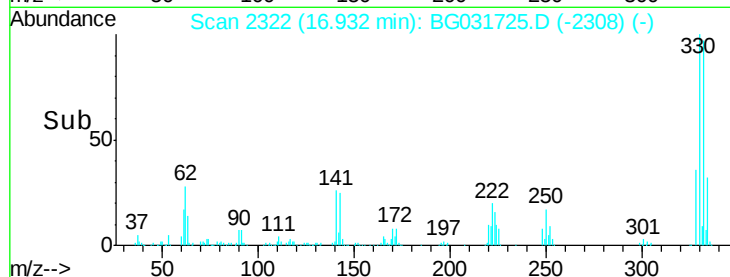
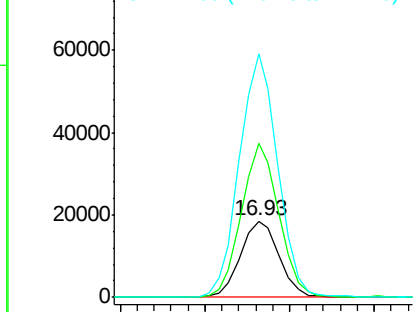
#66
4-Bromophenyl-phenylether
Concen: 5.460 ng
RT: 16.93 min Scan# 2322
Delta R.T. -0.45 min
Lab File: BG031725.D
Acq: 22 Dec 2017 23:48

Instrument :
BNA_G
ClientSampleId :
PR-MW-03-121917

Tot Ion:248 Resp: 29228
Ion Ratio Lower Upper
248 100
250 202.7 77.1 115.7#
141 320.0 50.8 76.2#

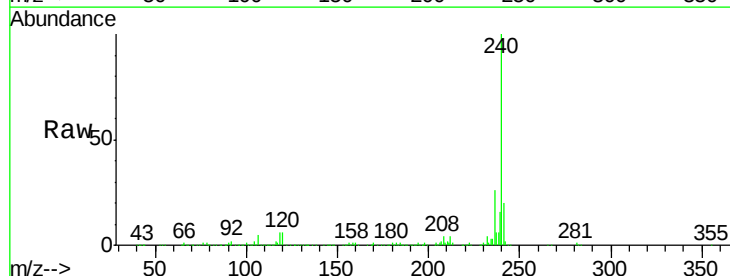


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

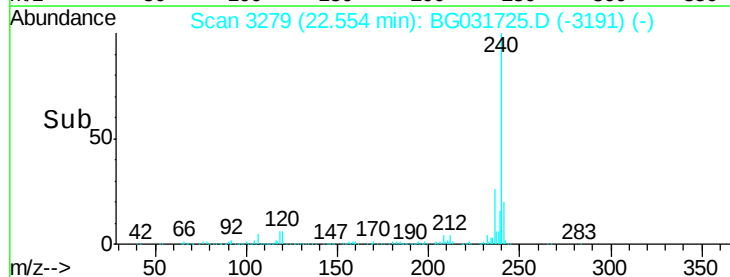
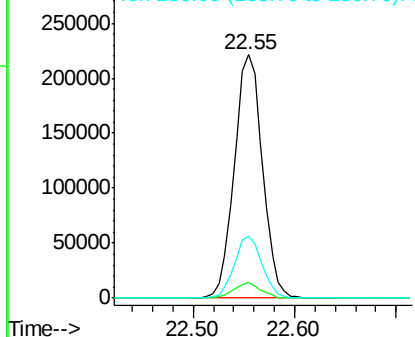


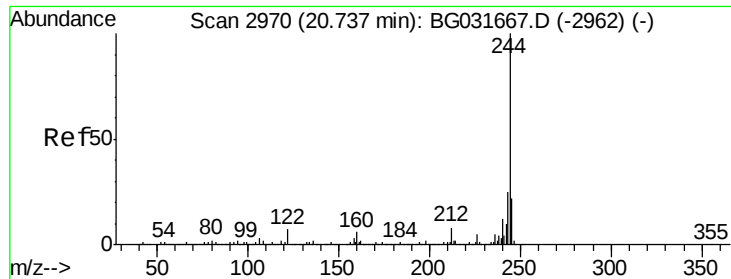
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.55 min Scan# 3279
Delta R.T. -0.02 min
Lab File: BG031725.D
Acq: 22 Dec 2017 23:48

Tgt Ion:240 Resp: 425969
Ion Ratio Lower Upper
240 100
120 6.4 6.8 10.2#
236 25.7 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

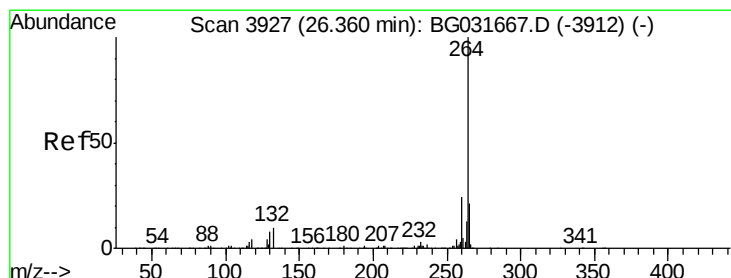
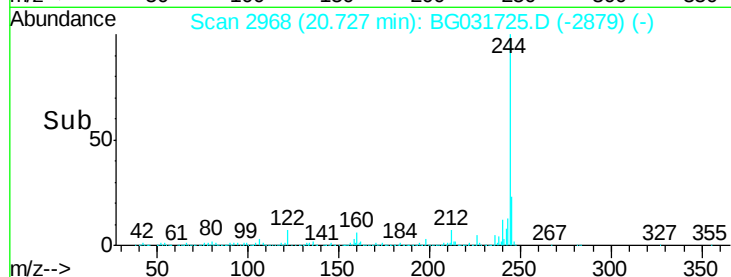
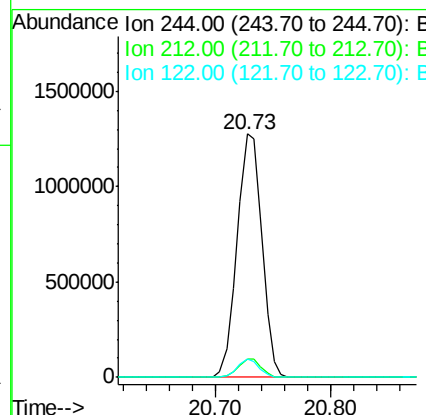
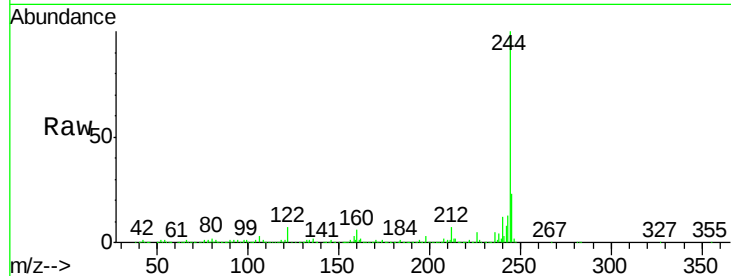




#78
 Terphenyl-d14
 Concen: 101.907 ng
 RT: 20.73 min Scan# 2968
 Delta R.T. -0.01 min
 Lab File: BG031725.D
 Acq: 22 Dec 2017 23:48

Instrument :
 BNA_G
 ClientSampleId :
 PR-MW-03-121917

Tot Ion:244 Resp: 1900043
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.8
 122 7.4 7.0 10.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.34 min Scan# 3924
 Delta R.T. -0.02 min
 Lab File: BG031725.D
 Acq: 22 Dec 2017 23:48

Tgt Ion:264 Resp: 451682
 Ion Ratio Lower Upper
 264 100
 260 23.8 17.4 26.0
 265 21.5 17.7 26.5

