

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122817\
 Data File : BG031827.D
 Acq On : 28 Dec 2017 16:19
 Operator : SJ/JU
 Sample : I6685-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 28 17:06:39 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

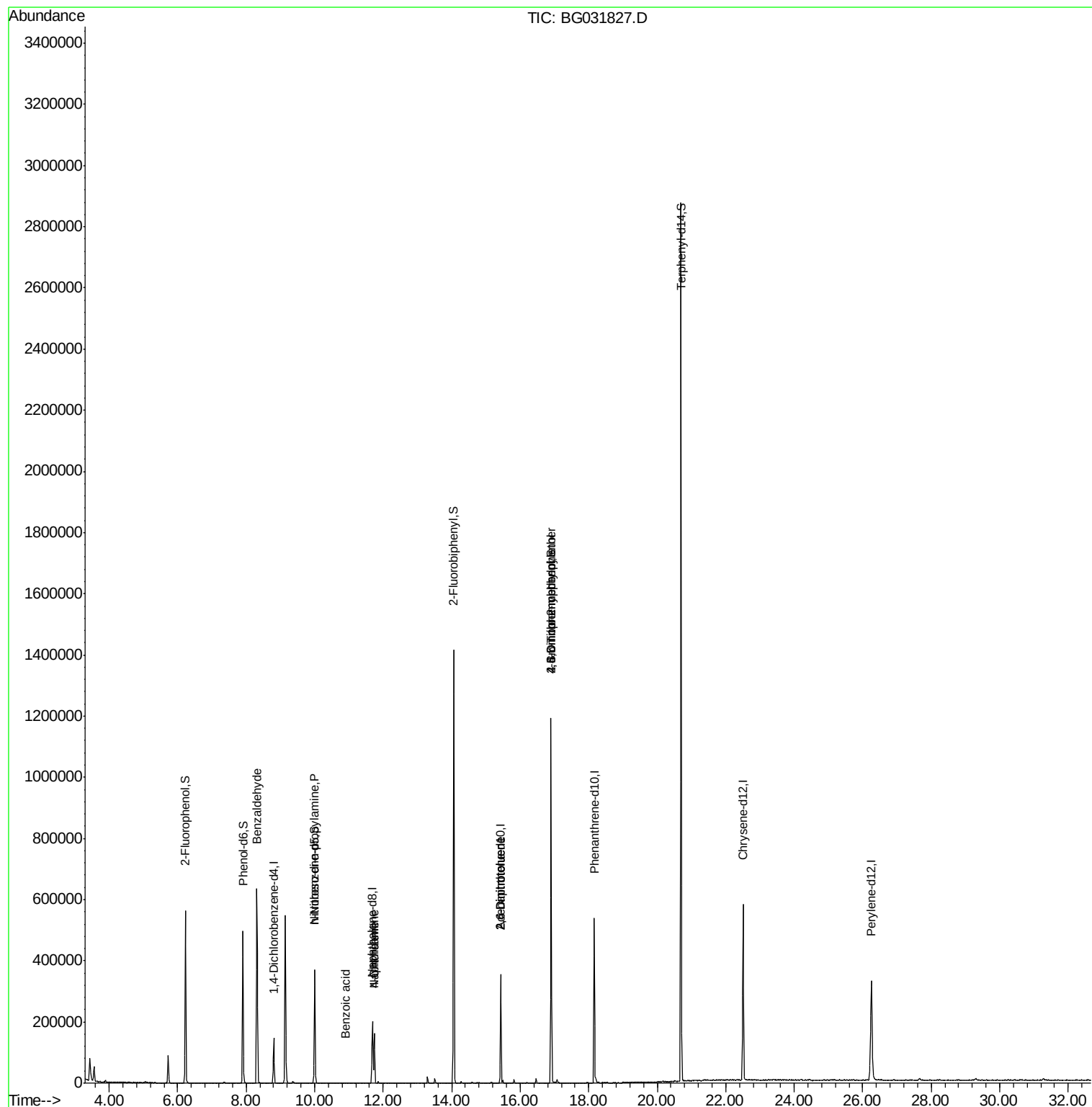
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.80	152	53067	20.00	ng	-0.04
21) Naphthalene-d8	11.69	136	205028	20.00	ng	-0.04
38) Acenaphthene-d10	15.43	164	139425	20.00	ng	-0.04
63) Phenanthrene-d10	18.16	188	373903	20.00	ng	-0.04
75) Chrysene-d12	22.50	240	449866	20.00	ng	-0.07
86) Perylene-d12	26.25	264	467554	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	6.23	112	309668	106.29	ng	-0.02
7) Phenol-d6	7.90	99	350154	92.57	ng	-0.03
23) Nitrobenzene-d5	10.00	82	238237	87.74	ng	-0.04
41) 2,4,6-Tribromophenol	16.90	330	287969	135.36	ng	-0.04
44) 2-Fluorobiphenyl	14.06	172	861874	77.59	ng	-0.04
78) Terphenyl-d14	20.69	244	1613145	81.92	ng	-0.04
Target Compounds						
9) Benzaldehyde	8.32	77	8031	3.526	ng	87
19) n-Nitroso-di-n-propylamine	10.00	70	31081	12.031	ng	# 76
31) Naphthalene	11.74	128	163958	15.846	ng	97
32) Benzoic acid	10.89	122	54	6.717	ng	# 1
33) 4-Chloroaniline	11.73	127	22526	4.890	ng	# 32
50) 2,6-Dinitrotoluene	15.43	165	18647	8.252	ng	# 18
56) 2,4-Dinitrotoluene	15.43	165	18647	6.418	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.90	198	680	8.615	ng	# 49
66) 4-Bromophenyl-phenylether	16.90	248	22631	4.186	ng	# 1

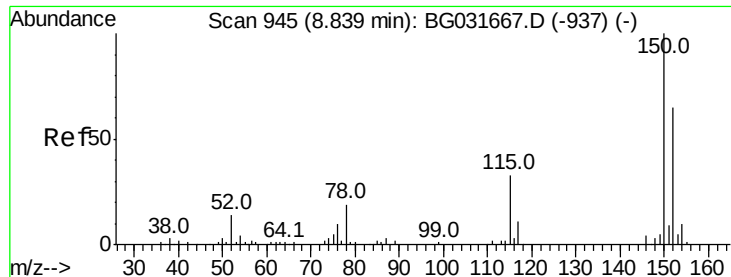
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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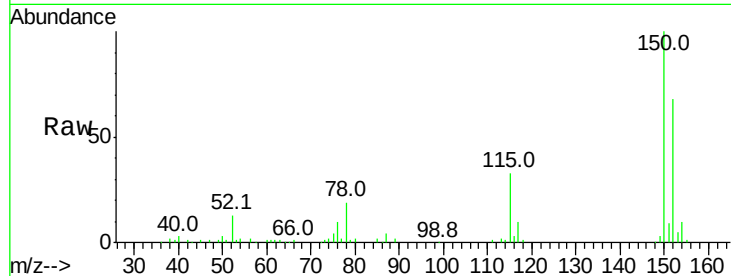


#1

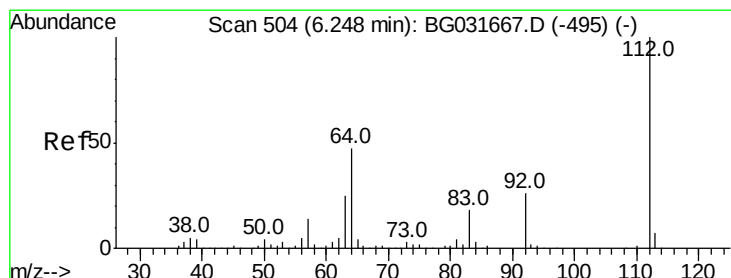
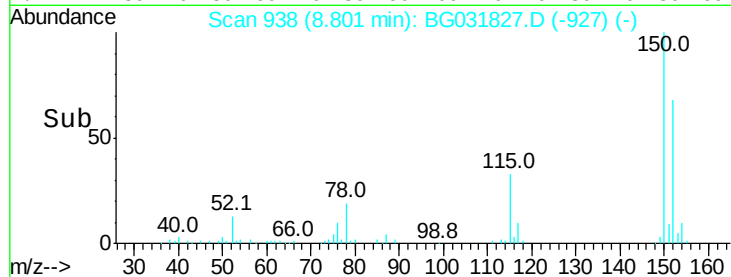
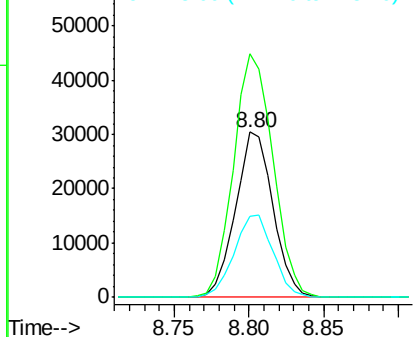
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.80 min Scan# 938
Delta R.T. -0.04 min
Lab File: BG031827.D
Acq: 28 Dec 2017 16:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 53067
Ion Ratio Lower Upper
152 100
150 147.1 126.6 189.8
115 48.8 53.0 79.4#



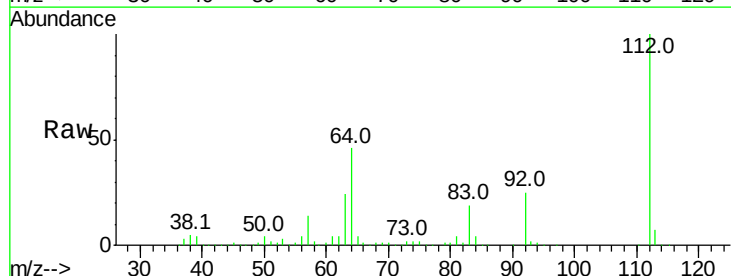
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



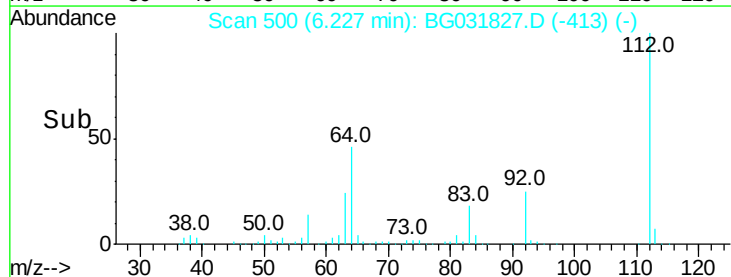
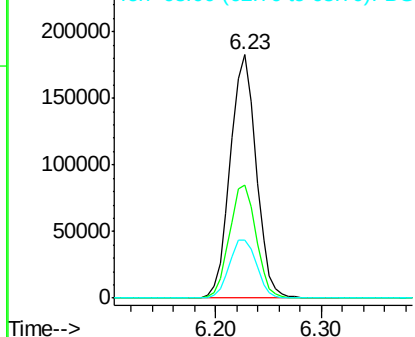
#5

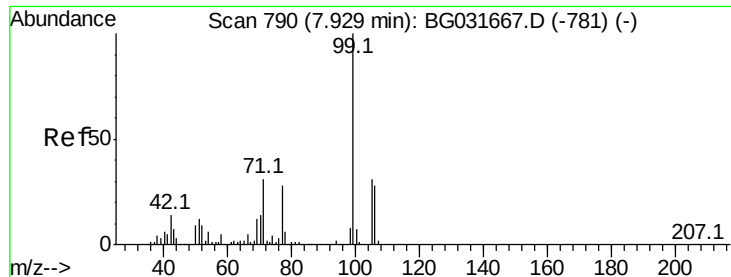
2-Fluorophenol
Concen: 106.285 ng
RT: 6.23 min Scan# 500
Delta R.T. -0.02 min
Lab File: BG031827.D
Acq: 28 Dec 2017 16:19

Tgt Ion:112 Resp: 309668
Ion Ratio Lower Upper
112 100
64 46.2 56.3 84.5#
63 23.7 30.1 45.1#



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





#7

Phenol-d6

Concen: 92.566 ng

RT: 7.90 min Scan# 785

Delta R.T. -0.03 min

Lab File: BG031827.D

Acq: 28 Dec 2017 16:19

Instrument :

BNA_G

ClientSampleId :

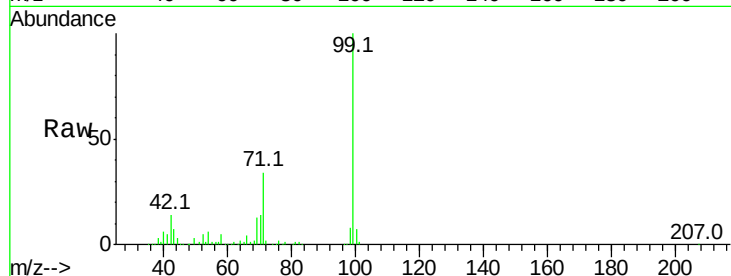
Tot Ion: 99 Resp: 350154

Ion Ratio Lower Upper

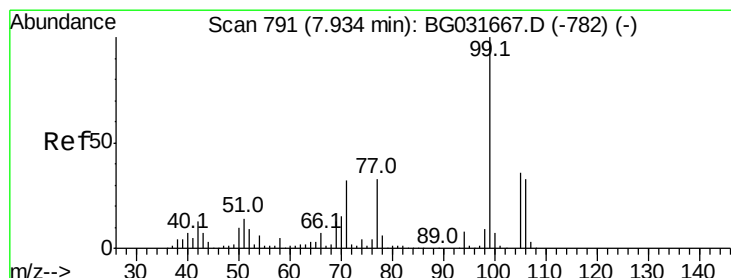
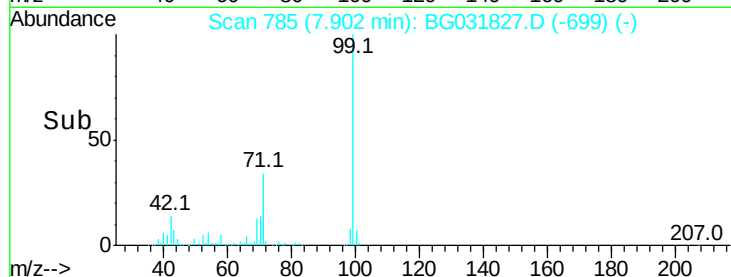
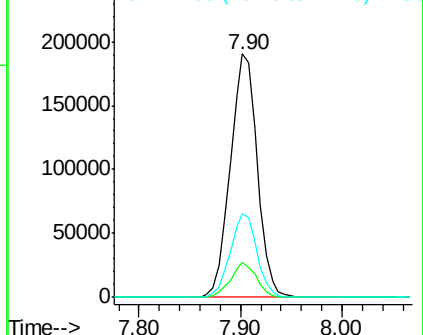
99 100

42 14.5 14.1 21.1

71 34.4 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



#9

Benzaldehyde

Concen: 3.526 ng

RT: 8.32 min Scan# 856

Delta R.T. 0.38 min

Lab File: BG031827.D

Acq: 28 Dec 2017 16:19

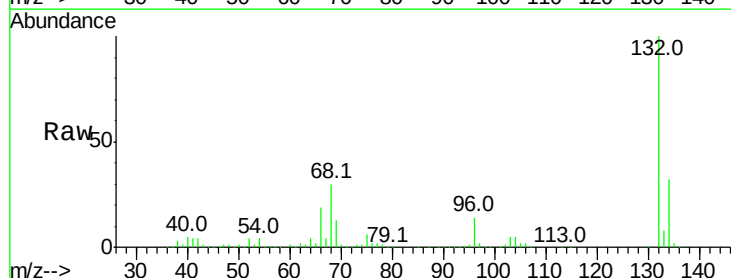
Tgt Ion: 77 Resp: 8031

Ion Ratio Lower Upper

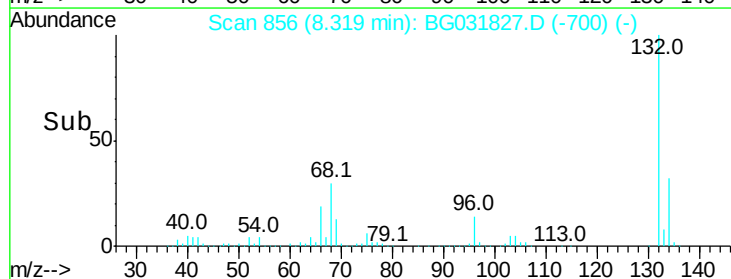
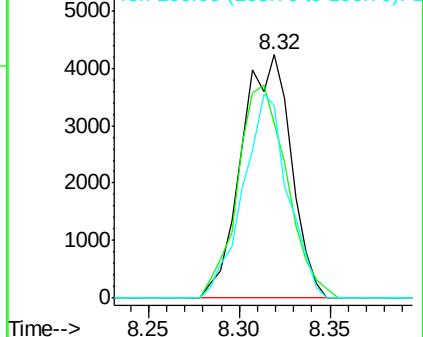
77 100

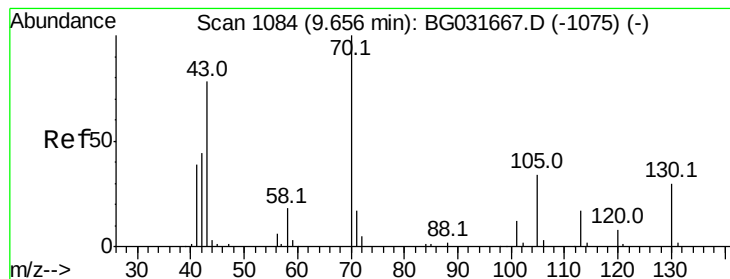
105 71.9 71.3 111.3

106 78.8 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





#19

n-Nitroso-di-n-propylamine

Concen: 12.031 ng

RT: 10.00 min Scan# 1142

Delta R.T. 0.34 min

Lab File: BG031827.D

Acq: 28 Dec 2017 16:19

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 31081

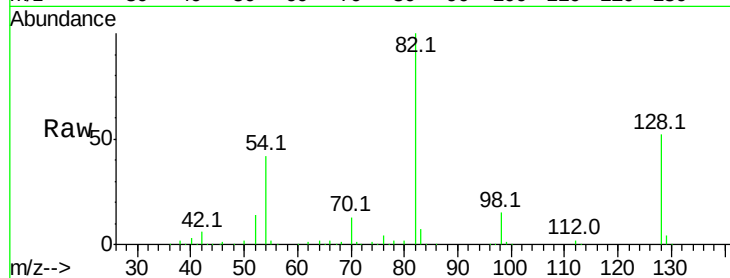
Ion Ratio Lower Upper

70 100

42 44.7 49.1 73.7#

101 0.0 8.5 12.7#

130 3.1 13.4 20.0#



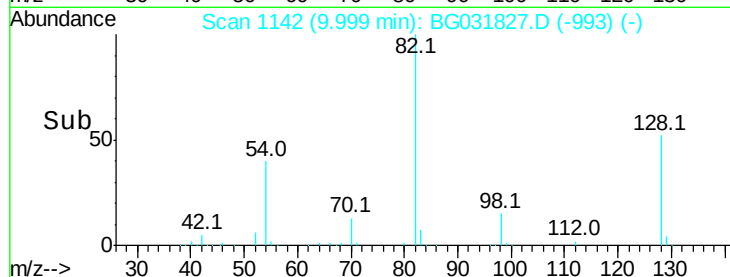
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

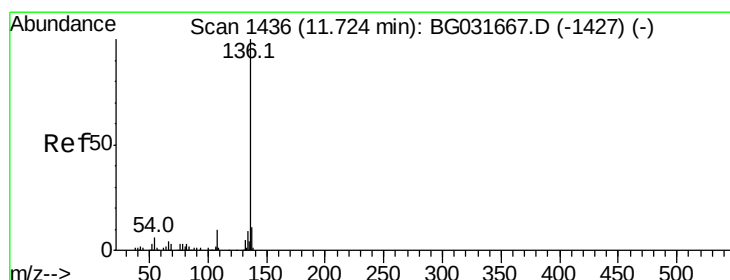
Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

Time--> 9.90 10.00 10.10



Time--> 9.90 10.00 10.10



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.69 min Scan# 1429

Delta R.T. -0.04 min

Lab File: BG031827.D

Acq: 28 Dec 2017 16:19

Tgt Ion: 136 Resp: 205028

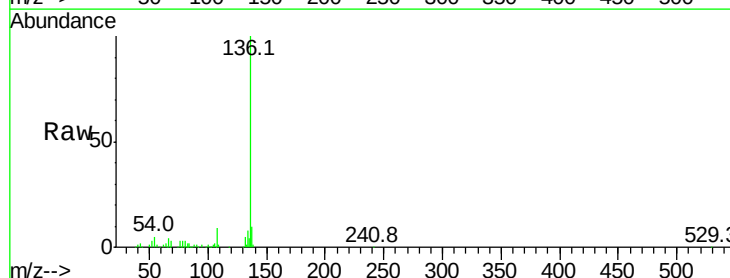
Ion Ratio Lower Upper

136 100

137 10.3 9.2 13.8

54 5.4 10.3 15.5#

68 3.5 4.5 6.7#



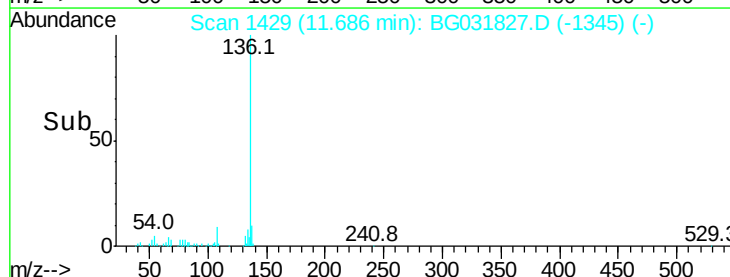
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

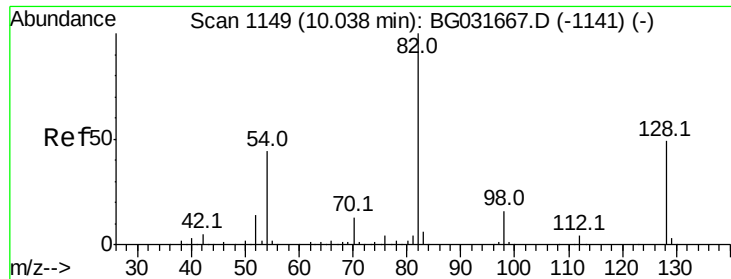
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

Time--> 11.60 11.70



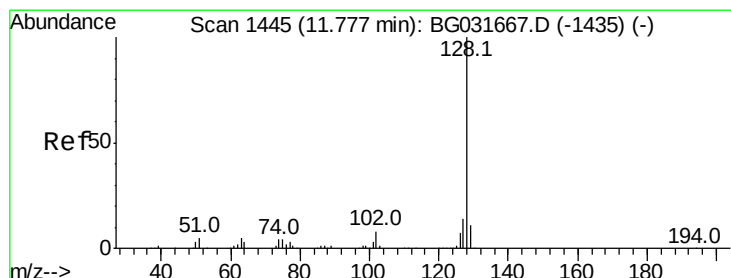
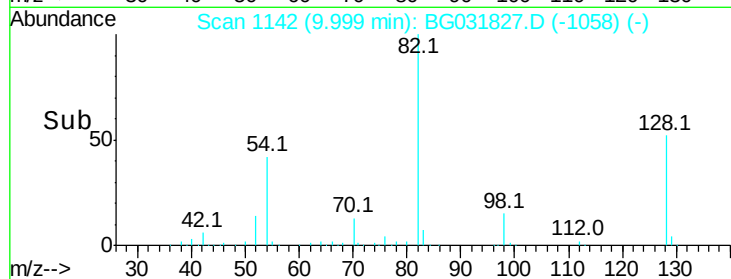
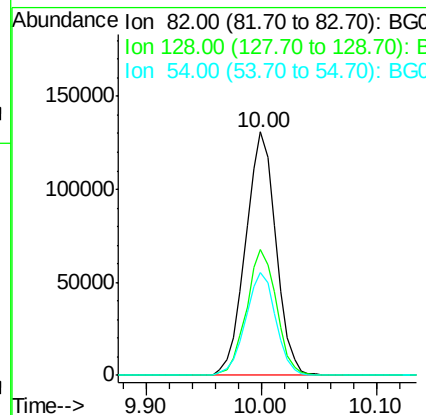
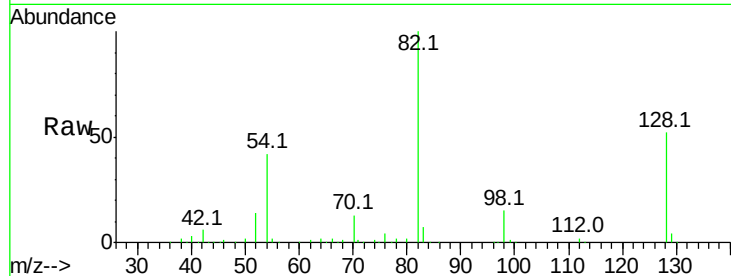
Time--> 11.60 11.70



#23
 Nitrobenzene-d5
 Concen: 87.743 ng
 RT: 10.00 min Scan# 1142
 Delta R.T. -0.04 min
 Lab File: BG031827.D
 Acq: 28 Dec 2017 16:19

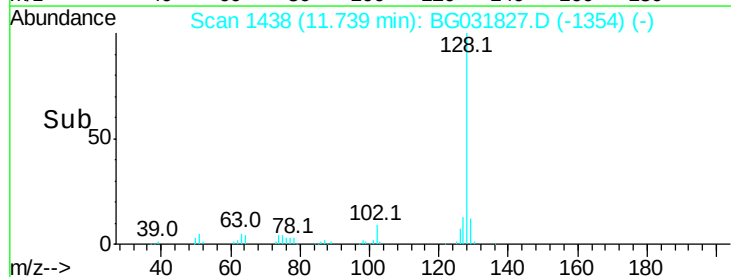
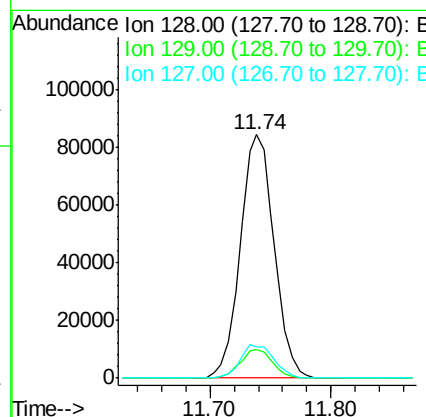
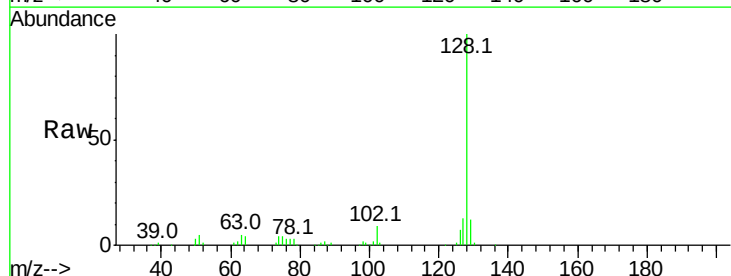
Instrument :
 BNA_G
 ClientSampleId :

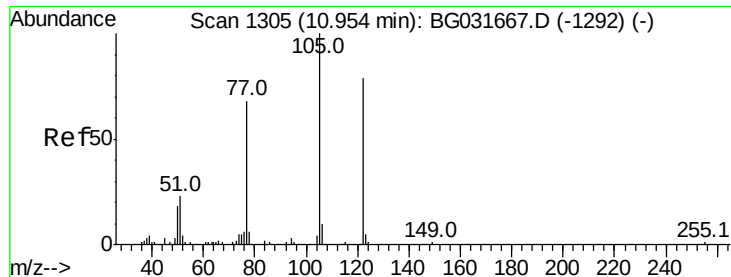
Tot Ion	82	Resp	238237
Ion	Ratio	Lower	Upper
82	100		
128	51.7	29.7	44.5#
54	42.1	43.1	64.7#



#31
 Naphthalene
 Concen: 15.846 ng
 RT: 11.74 min Scan# 1438
 Delta R.T. -0.04 min
 Lab File: BG031827.D
 Acq: 28 Dec 2017 16:19

Tgt Ion	128	Resp	163958
Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.6	12.8
127	13.0	11.6	17.4





#32

Benzoic acid

Concen: 6.717 ng

RT: 10.89 min Scan# 1294

Delta R.T. -0.06 min

Lab File: BG031827.D

Acq: 28 Dec 2017 16:19

Instrument :

BNA_G

ClientSampleId :

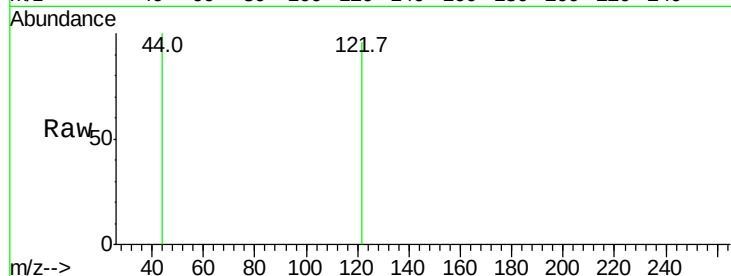
Tot Ion:122 Resp: 54

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

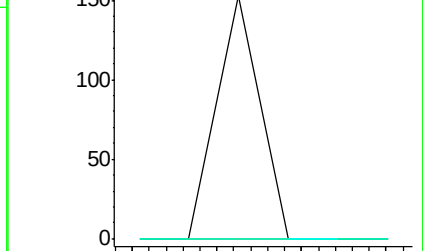
77 0.0 85.7 125.7#



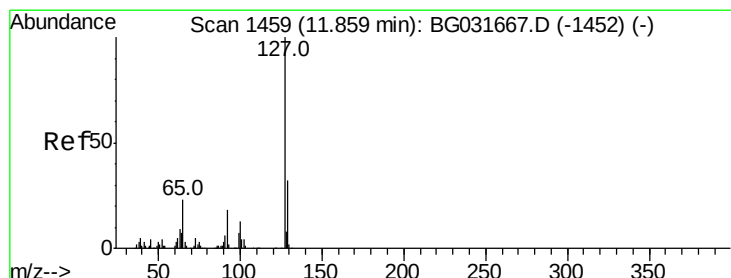
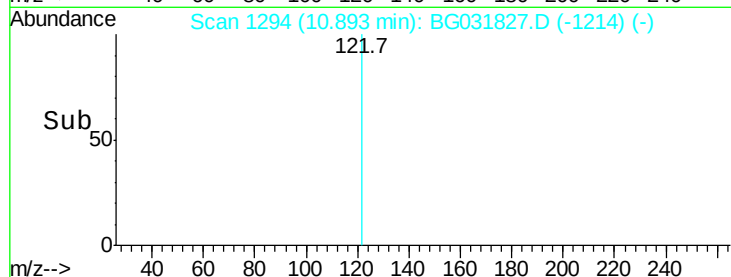
Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



Time--> 10.88 10.89 10.90 10.91



#33

4-Chloroaniline

Concen: 4.890 ng

RT: 11.73 min Scan# 1437

Delta R.T. -0.13 min

Lab File: BG031827.D

Acq: 28 Dec 2017 16:19

Tgt Ion:127 Resp: 22526

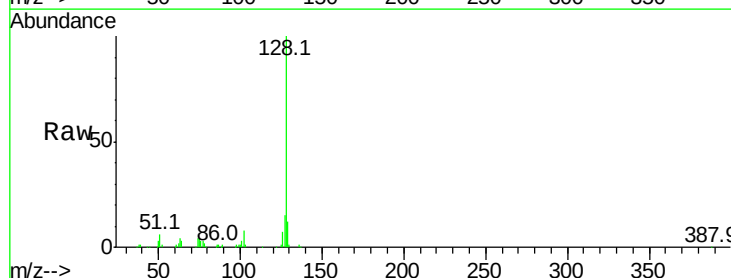
Ion Ratio Lower Upper

127 100

129 80.9 24.0 36.0#

65 0.0 27.0 40.4#

92 0.0 16.6 25.0#

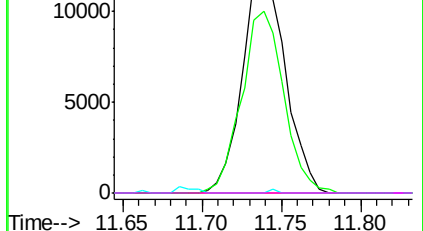


Abundance Ion 127.00 (126.70 to 127.70): E

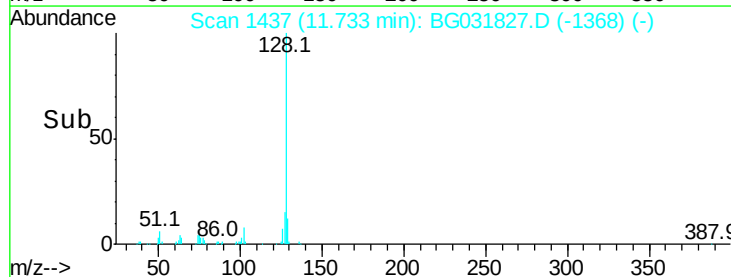
Ion 129.00 (128.70 to 129.70): E

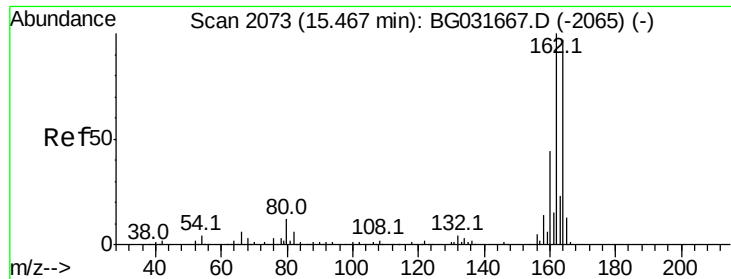
Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC



Time--> 11.65 11.70 11.75 11.80





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.43 min Scan# 2066

Delta R.T. -0.04 min

Lab File: BG031827.D

Acq: 28 Dec 2017 16:19

Instrument :

BNA_G

ClientSampleId :

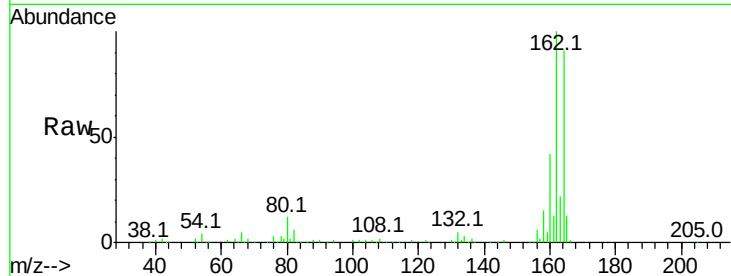
Tot Ion:164 Resp: 139425

Ion Ratio Lower Upper

164 100

162 110.4 78.8 118.2

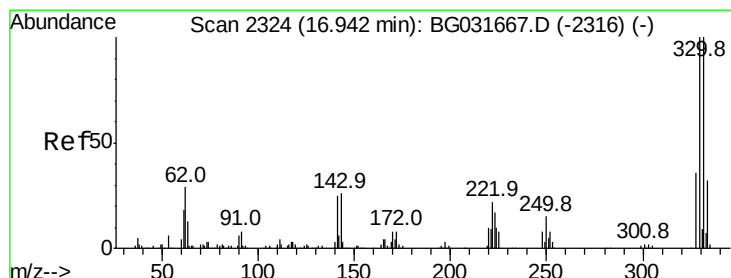
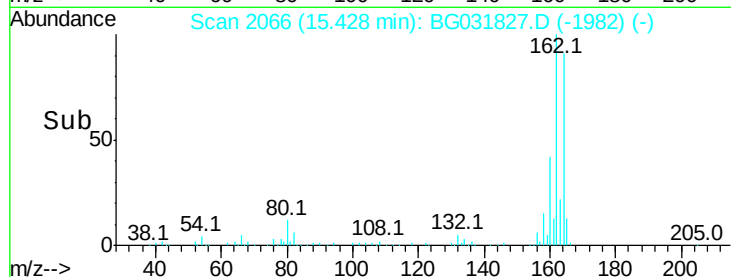
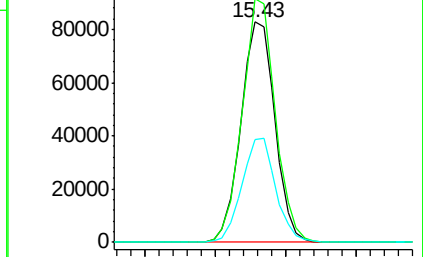
160 46.8 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 135.360 ng

RT: 16.90 min Scan# 2317

Delta R.T. -0.04 min

Lab File: BG031827.D

Acq: 28 Dec 2017 16:19

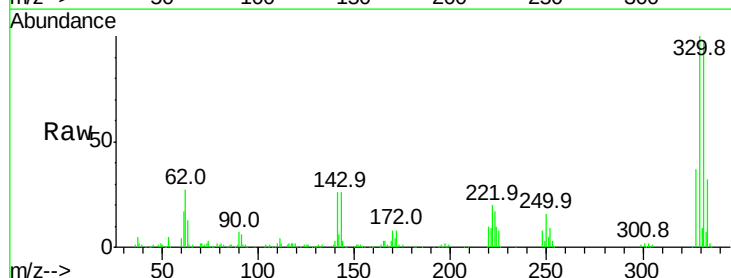
Tgt Ion:330 Resp: 287969

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

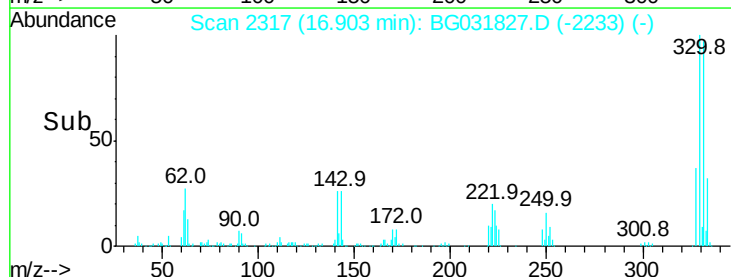
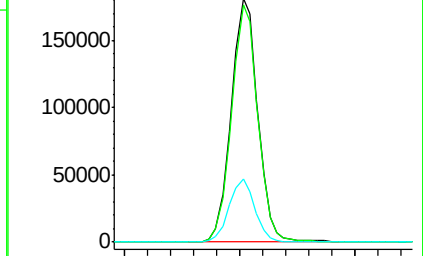
141 25.2 25.2 37.8#

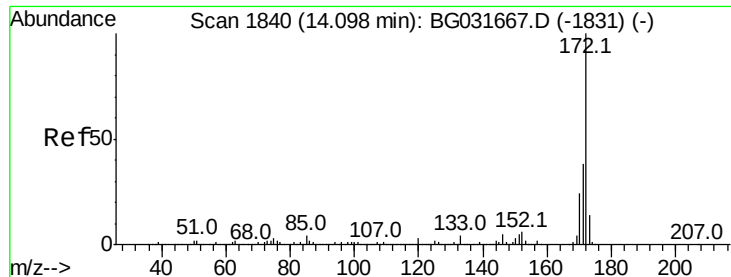


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

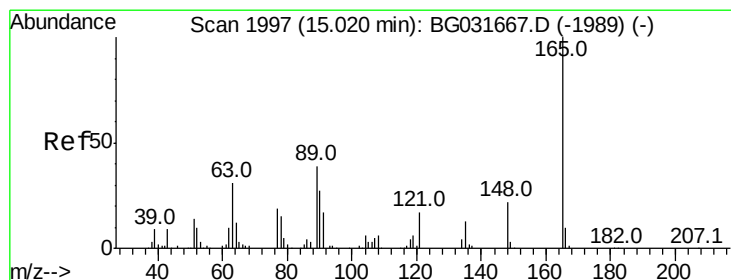
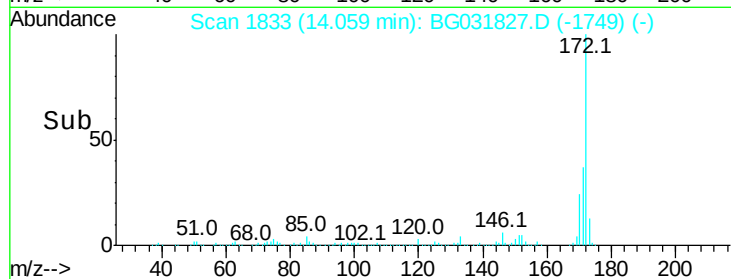
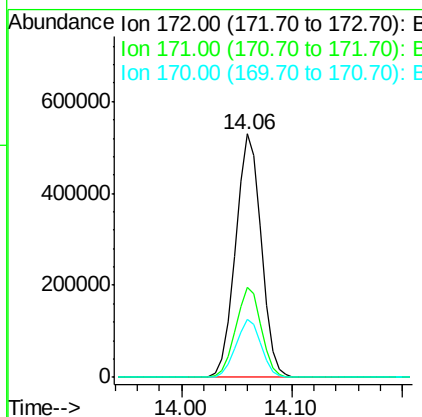
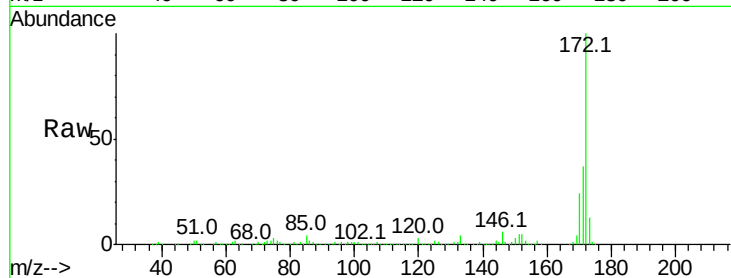




#44
 2-Fluorobiphenyl
 Concen: 77.588 ng
 RT: 14.06 min Scan# 1833
 Delta R.T. -0.04 min
 Lab File: BG031827.D
 Acq: 28 Dec 2017 16:19

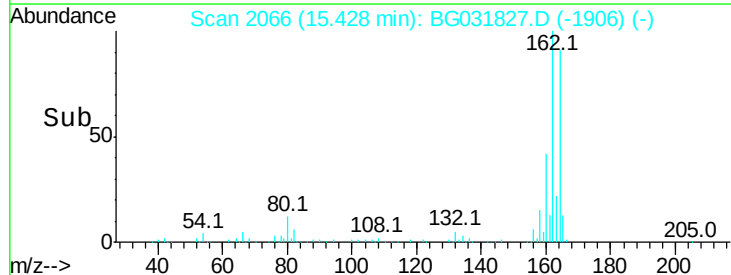
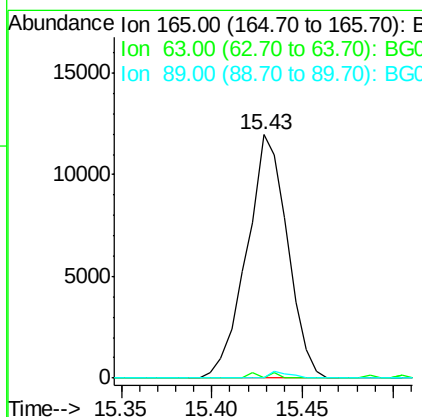
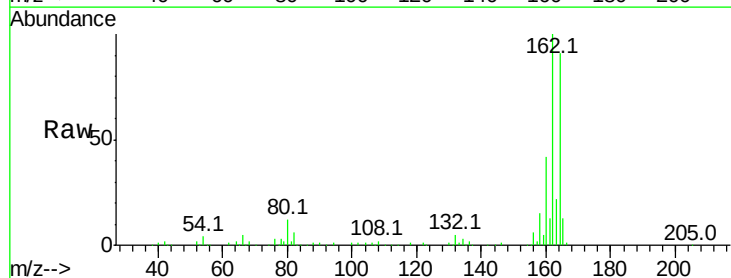
Instrument :
 BNA_G
 ClientSampleId :

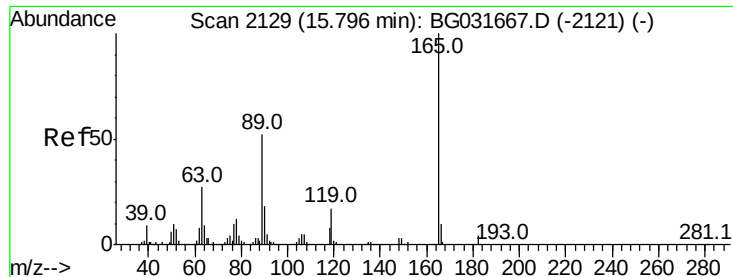
Tot Ion:172 Resp: 861874
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.0 45.0
 170 23.8 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.252 ng
 RT: 15.43 min Scan# 2066
 Delta R.T. 0.41 min
 Lab File: BG031827.D
 Acq: 28 Dec 2017 16:19

Tgt Ion:165 Resp: 18647
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 6.418 ng

RT: 15.43 min Scan# 2066

Delta R.T. -0.37 min

Lab File: BG031827.D

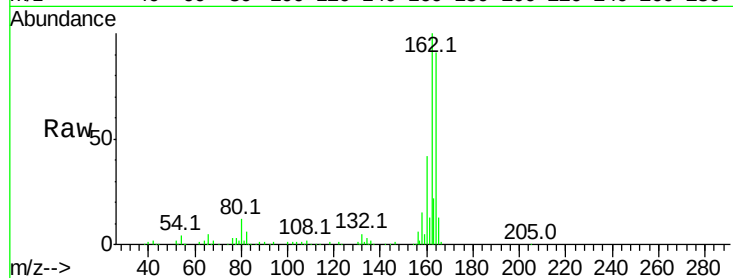
Acq: 28 Dec 2017 16:19

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	165	Resp:	18647
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#

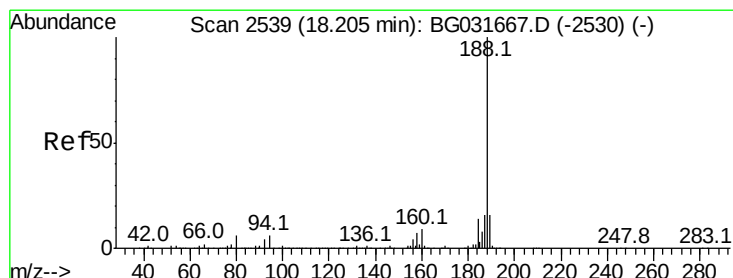
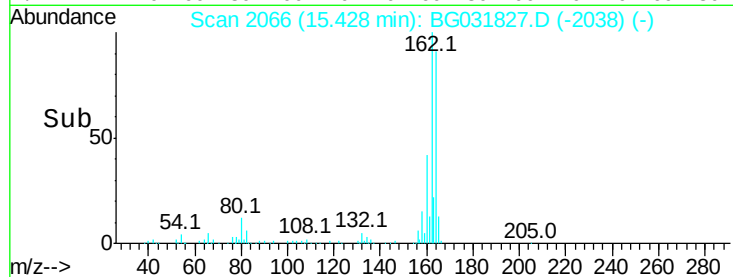
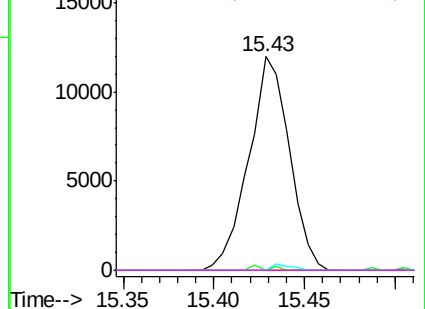


Abundance Ion 165.00 (164.70 to 165.70): E

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

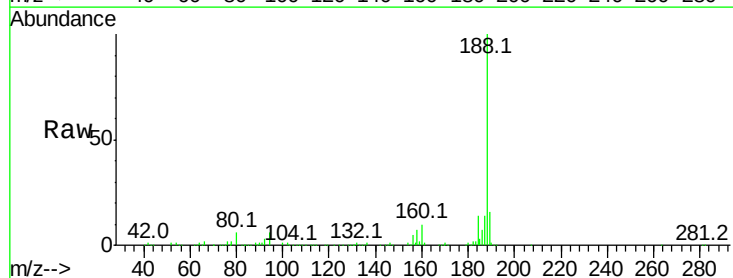
RT: 18.16 min Scan# 2531

Delta R.T. -0.04 min

Lab File: BG031827.D

Acq: 28 Dec 2017 16:19

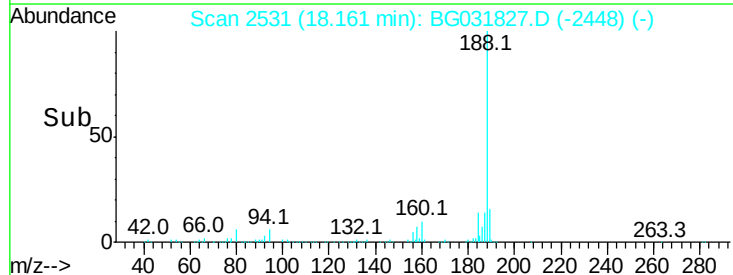
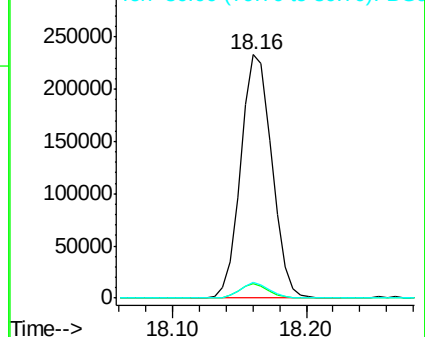
Tgt Ion:	188	Resp:	373903
Ion Ratio	Lower	Upper	
188	100		
94	6.0	6.9	10.3#
80	6.3	7.7	11.5#

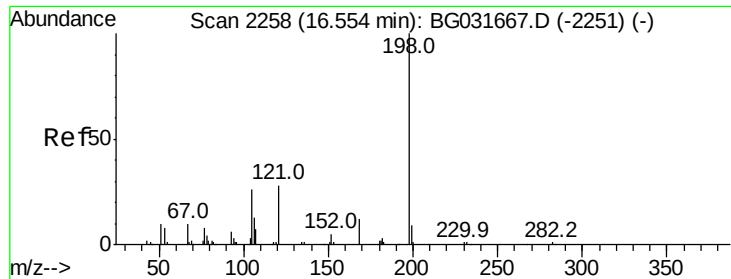


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

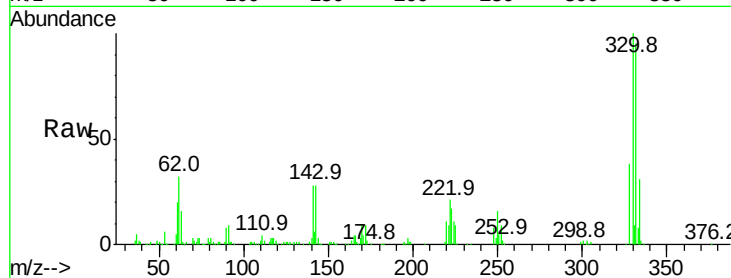




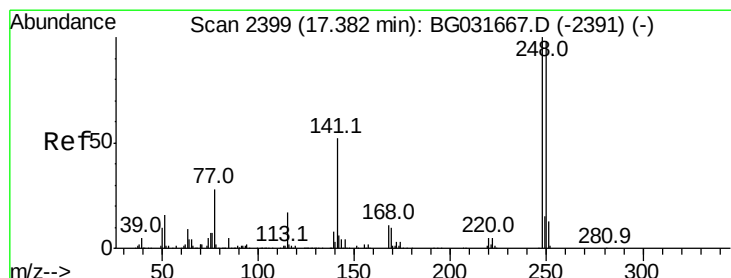
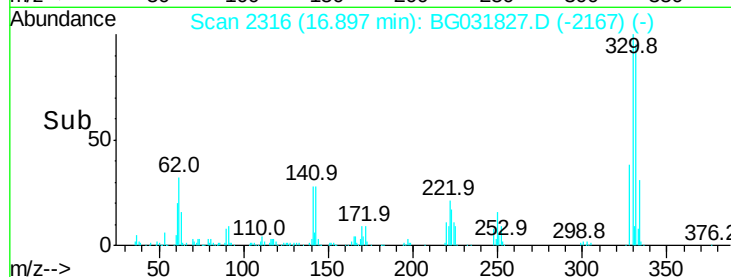
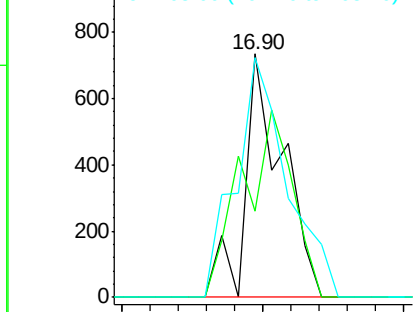
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.615 ng
 RT: 16.90 min Scan# 2316
 Delta R.T. 0.34 min
 Lab File: BG031827.D
 Acq: 28 Dec 2017 16:19

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 680
 Ion Ratio Lower Upper
 198 100
 51 35.2 30.6 70.6
 105 98.6 23.8 63.8#

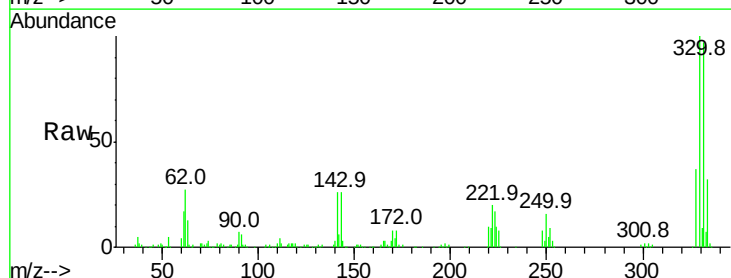


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

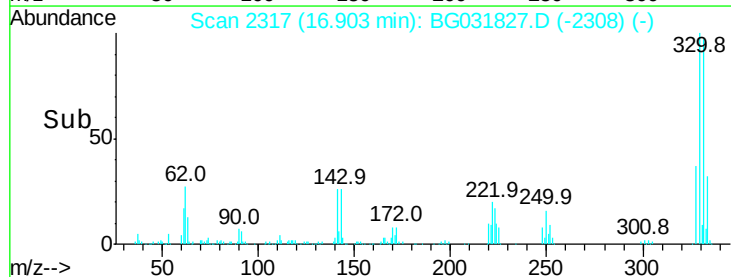
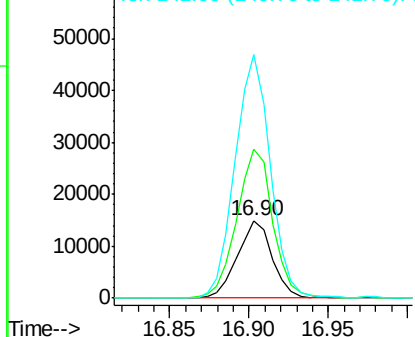


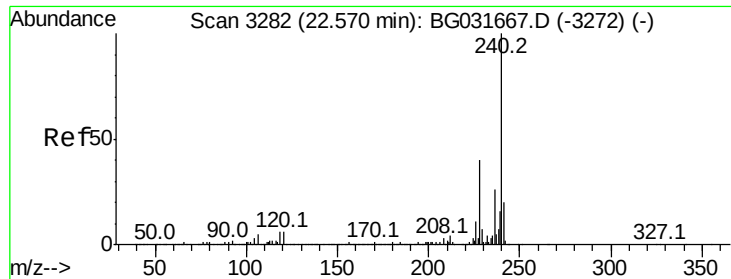
#66
 4-Bromophenyl-phenylether
 Concen: 4.186 ng
 RT: 16.90 min Scan# 2317
 Delta R.T. -0.48 min
 Lab File: BG031827.D
 Acq: 28 Dec 2017 16:19

Tgt Ion:248 Resp: 22631
 Ion Ratio Lower Upper
 248 100
 250 191.4 77.1 115.7#
 141 313.2 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: 22.50 min Scan# 3270

Delta R.T. -0.07 min

Lab File: BG031827.D

Acq: 28 Dec 2017 16:19

Instrument :

BNA_G

ClientSampleId :

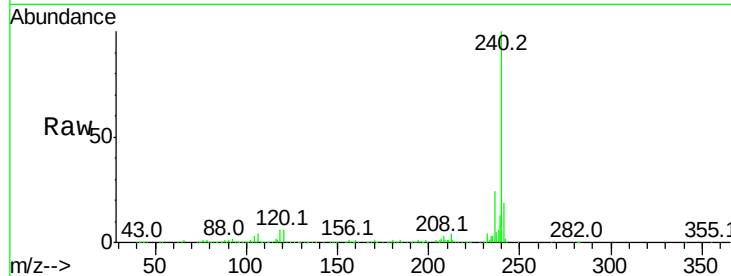
Tot Ion:240 Resp: 449866

Ion Ratio Lower Upper

240 100

120 5.7 6.8 10.2#

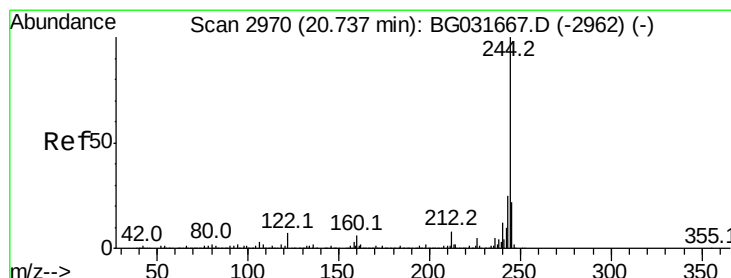
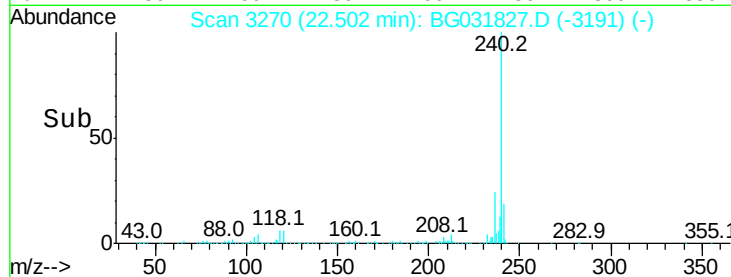
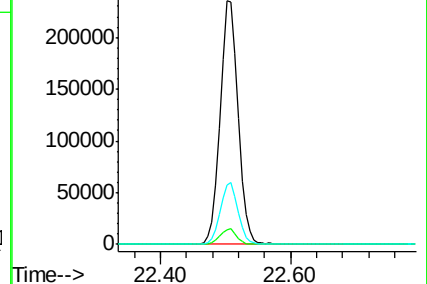
236 24.4 20.9 31.3



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: 81.924 ng

RT: 20.69 min Scan# 2962

Delta R.T. -0.04 min

Lab File: BG031827.D

Acq: 28 Dec 2017 16:19

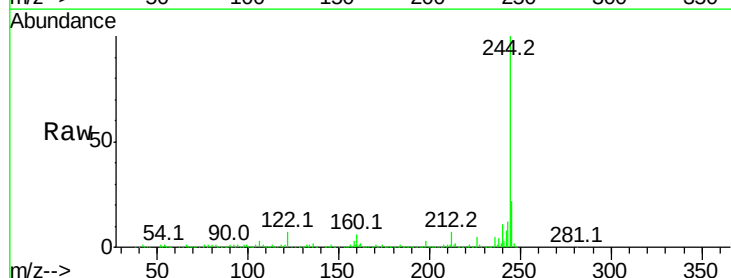
Tgt Ion:244 Resp: 1613145

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

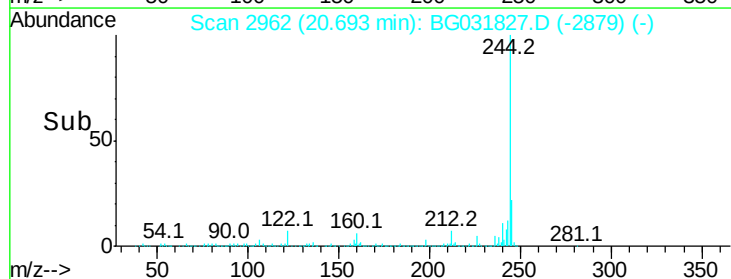
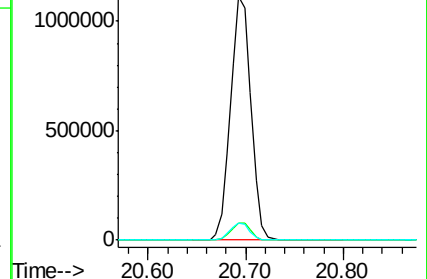
122 6.8 7.0 10.4#

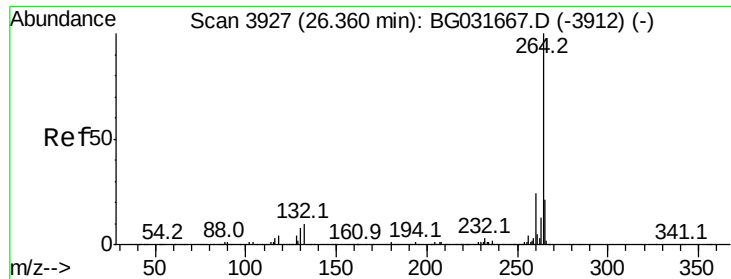


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

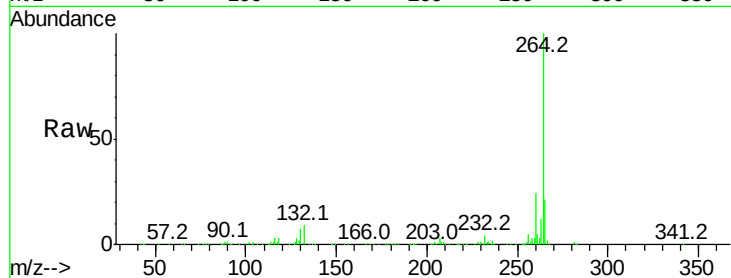




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.25 min Scan# 3908
 Delta R.T. -0.11 min
 Lab File: BG031827.D
 Acq: 28 Dec 2017 16:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.4	26.0
265	20.9	17.7	26.5



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

