

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122817\
 Data File : BG031825.D
 Acq On : 28 Dec 2017 15:04
 Operator : SJ/JU
 Sample : PB105379BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 28 15:51:24 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

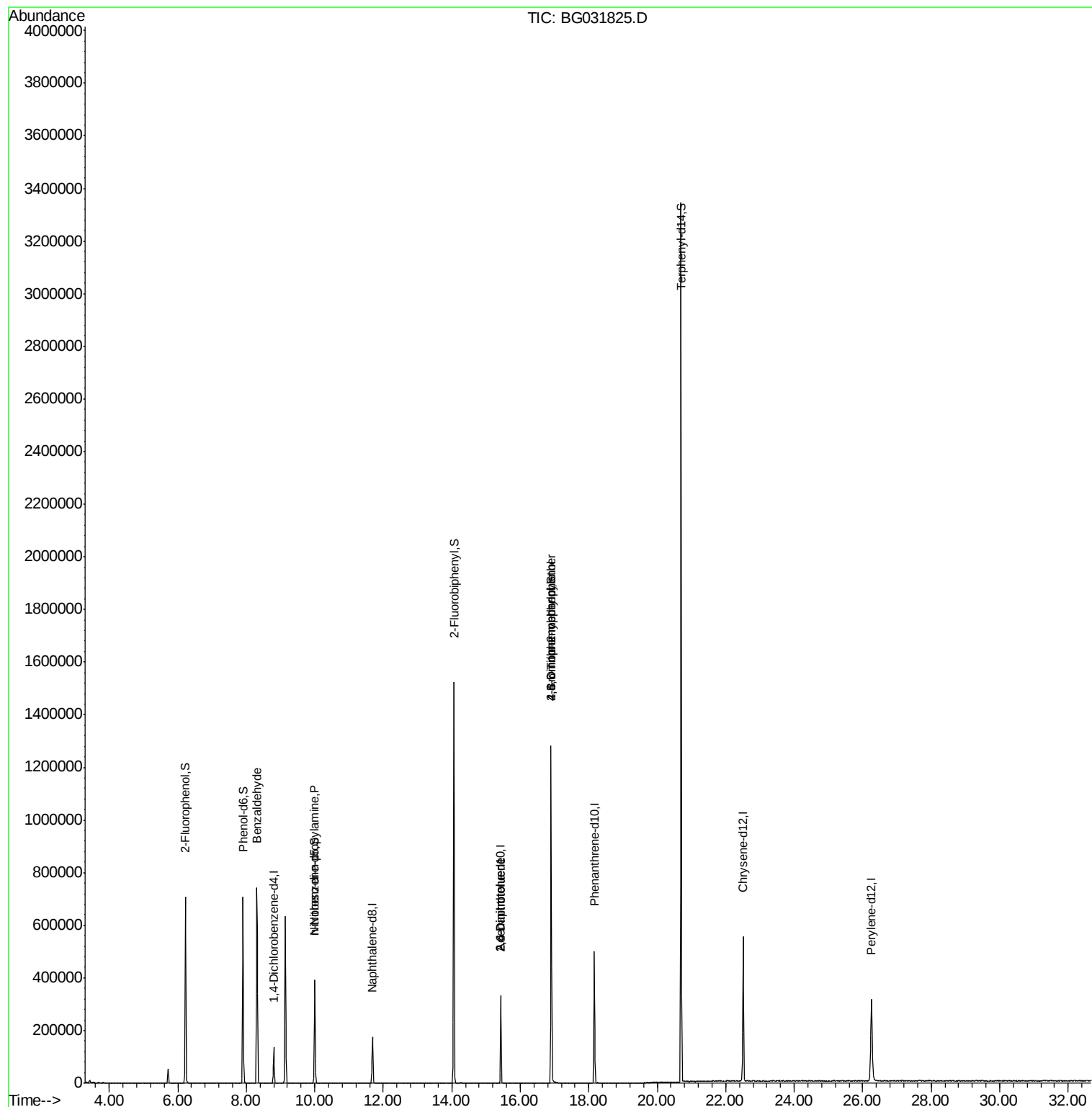
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.81	152	46878	20.00	ng	-0.03
21) Naphthalene-d8	11.69	136	183830	20.00	ng	-0.03
38) Acenaphthene-d10	15.43	164	124671	20.00	ng	-0.03
63) Phenanthrene-d10	18.17	188	341747	20.00	ng	-0.04
75) Chrysene-d12	22.51	240	413162	20.00	ng	-0.06
86) Perylene-d12	26.26	264	439580	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	6.23	112	393300	152.81	ng	-0.02
7) Phenol-d6	7.91	99	497235	148.80	ng	-0.02
23) Nitrobenzene-d5	10.00	82	265746	109.16	ng	-0.04
41) 2,4,6-Tribromophenol	16.91	330	323606	170.11	ng	-0.03
44) 2-Fluorobiphenyl	14.06	172	968435	97.50	ng	-0.03
78) Terphenyl-d14	20.70	244	1835984	101.52	ng	-0.04
Target Compounds						
9) Benzaldehyde	8.31	77	8830	4.388	ng	96
19) n-Nitroso-di-n-propylamine	10.00	70	34082	14.935	ng	# 69
50) 2,6-Dinitrotoluene	15.43	165	15923	7.881	ng	# 19
56) 2,4-Dinitrotoluene	15.43	165	15923	6.129	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.91	198	917	8.762	ng	# 46
66) 4-Bromophenyl-phenylether	16.90	248	25317	5.123	ng	# 1

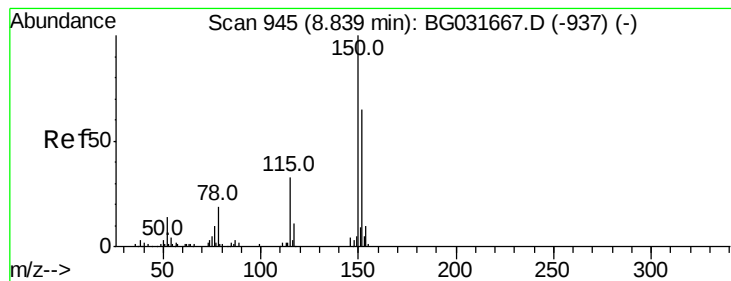
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.81 min Scan# 939

Delta R.T. -0.03 min

Lab File: BG031825.D

Acq: 28 Dec 2017 15:04

Instrument :

BNA_G

ClientSampled :

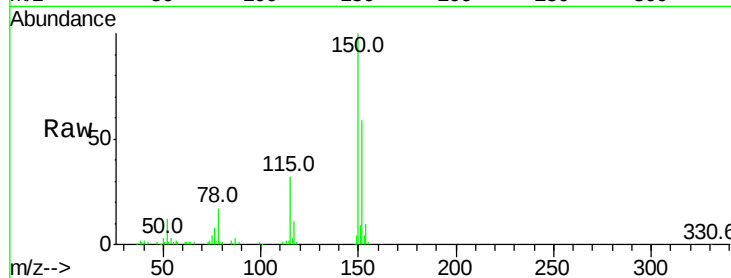
Tot Ion:152 Resp: 46878

Ion Ratio Lower Upper

152 100

150 170.7 126.6 189.8

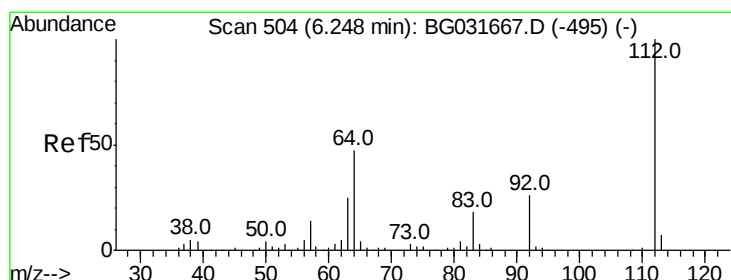
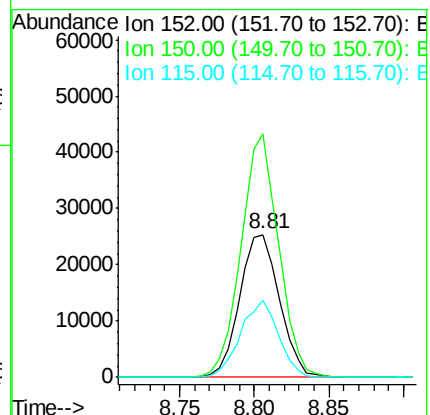
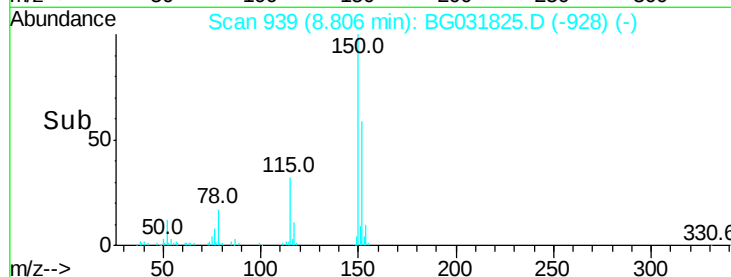
115 54.5 53.0 79.4



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: 152.812 ng

RT: 6.23 min Scan# 500

Delta R.T. -0.02 min

Lab File: BG031825.D

Acq: 28 Dec 2017 15:04

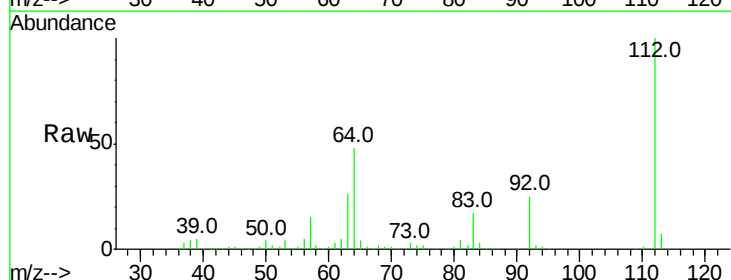
Tgt Ion:112 Resp: 393300

Ion Ratio Lower Upper

112 100

64 47.8 56.3 84.5#

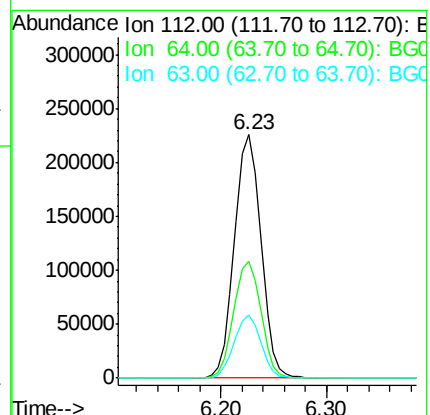
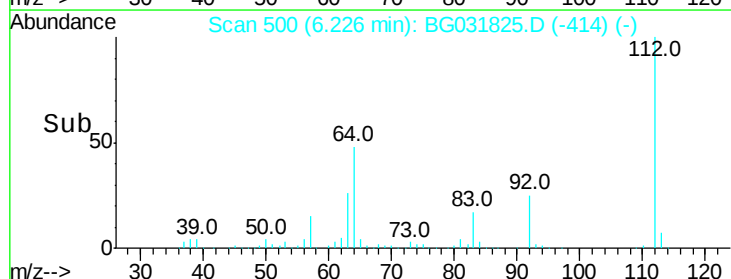
63 25.7 30.1 45.1#

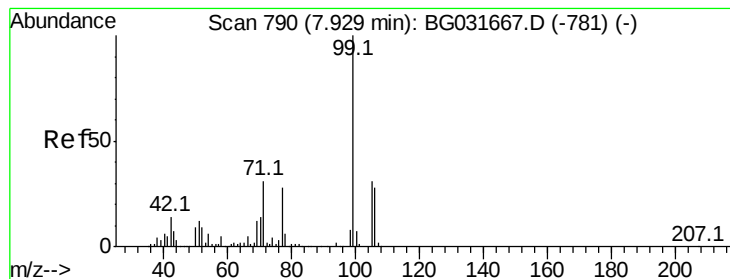


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 148.802 ng

RT: 7.91 min Scan# 786

Delta R.T. -0.02 min

Lab File: BG031825.D

Acq: 28 Dec 2017 15:04

Instrument :

BNA_G

ClientSampleId :

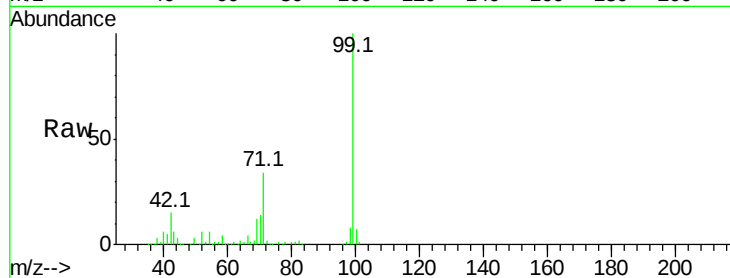
Tot Ion: 99 Resp: 497235

Ion Ratio Lower Upper

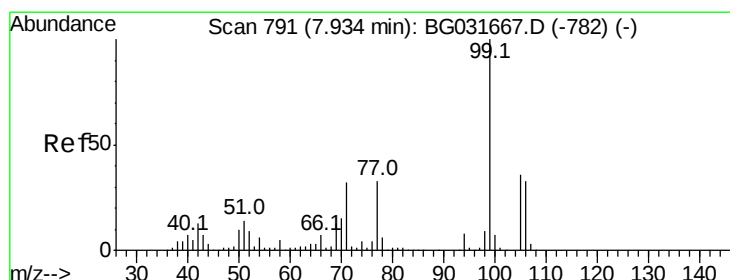
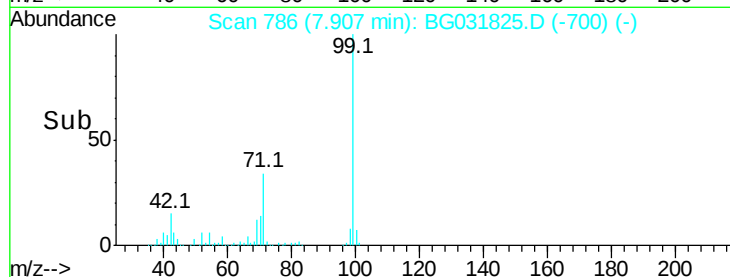
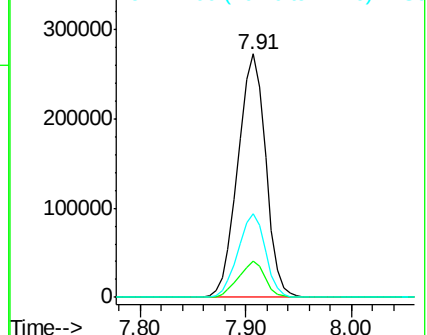
99 100

42 15.0 14.1 21.1

71 34.1 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: 4.388 ng

RT: 8.31 min Scan# 855

Delta R.T. 0.38 min

Lab File: BG031825.D

Acq: 28 Dec 2017 15:04

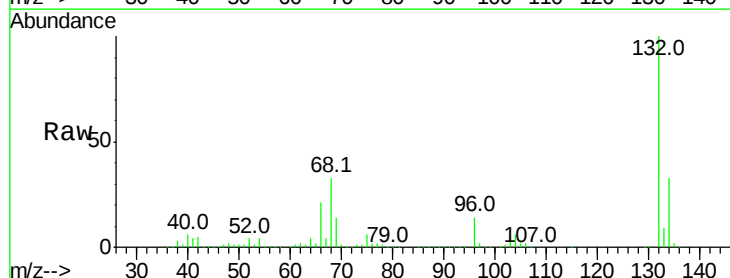
Tgt Ion: 77 Resp: 8830

Ion Ratio Lower Upper

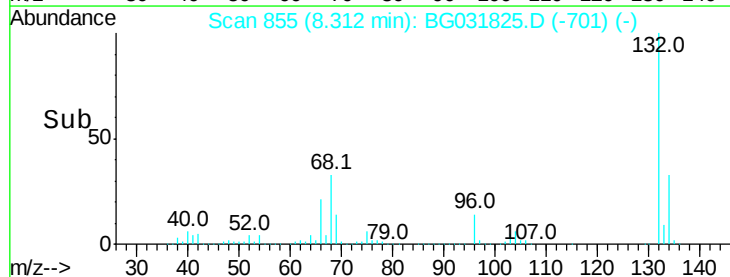
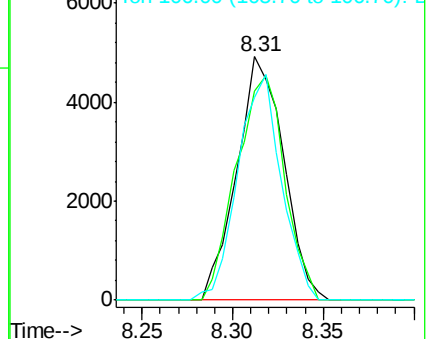
77 100

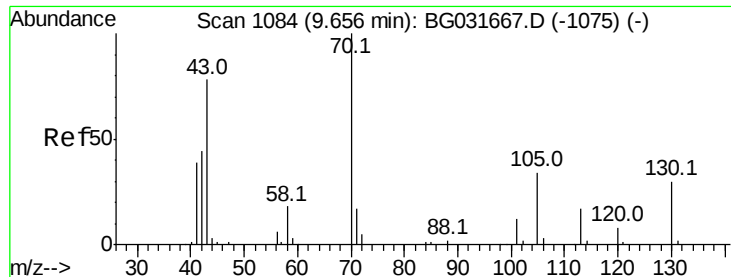
105 85.7 71.3 111.3

106 83.4 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

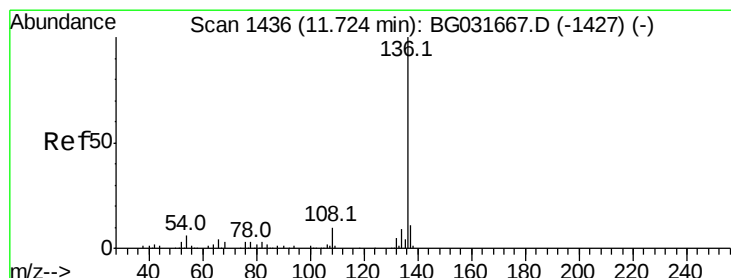
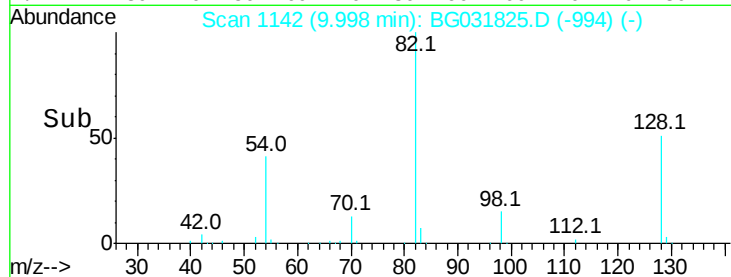
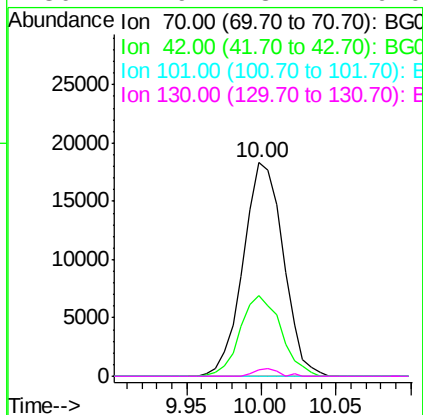
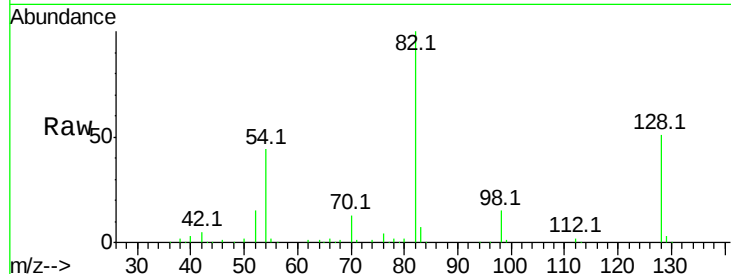




#19
n-Nitroso-di-n-propylamine
Concen: 14.935 ng
RT: 10.00 min Scan# 1142
Delta R.T. 0.34 min
Lab File: BG031825.D
Acq: 28 Dec 2017 15:04

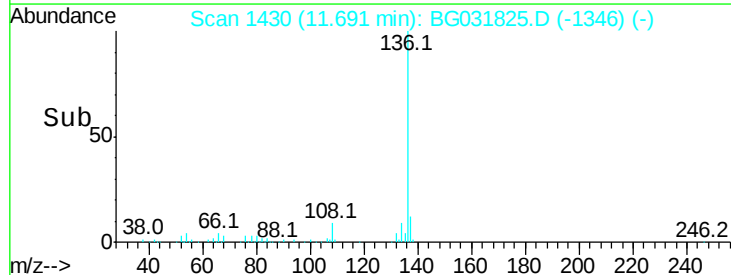
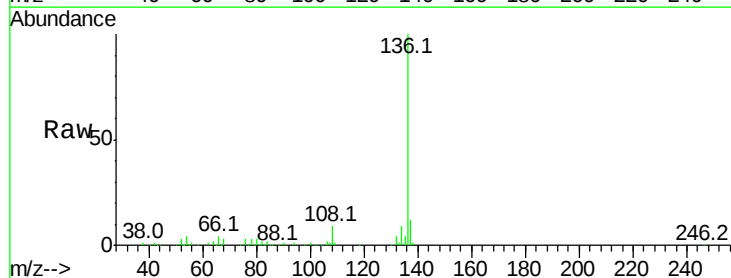
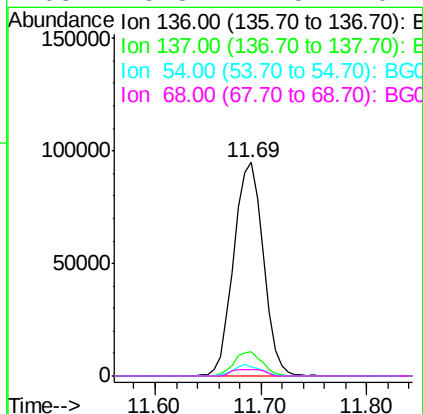
Instrument :
BNA_G
ClientSampleId :

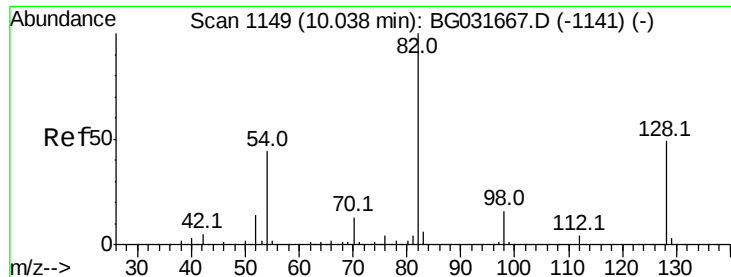
Tot Ion: 70 Resp: 34082
Ion Ratio Lower Upper
70 100
42 37.9 49.1 73.7#
101 0.0 8.5 12.7#
130 2.9 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.69 min Scan# 1430
Delta R.T. -0.03 min
Lab File: BG031825.D
Acq: 28 Dec 2017 15:04

Tgt Ion: 136 Resp: 183830
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 4.4 10.3 15.5#
68 3.3 4.5 6.7#

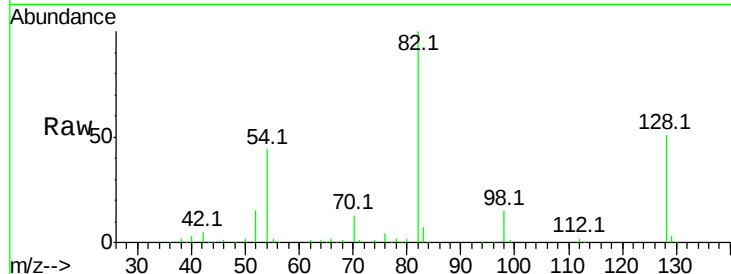




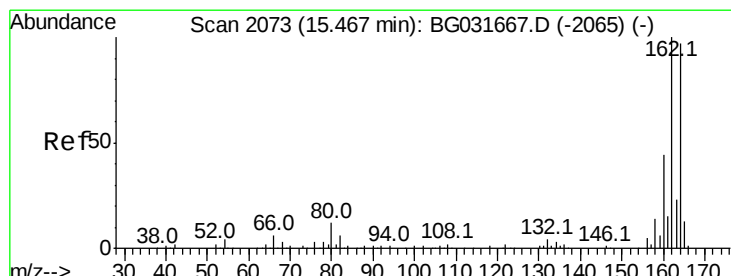
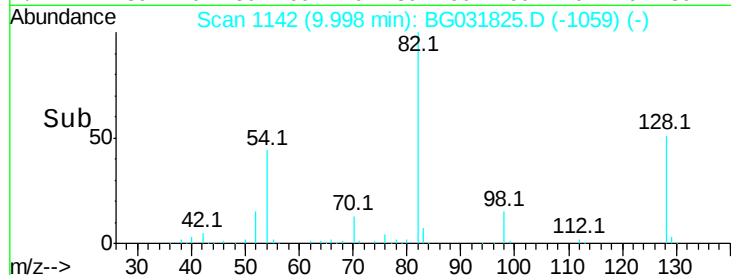
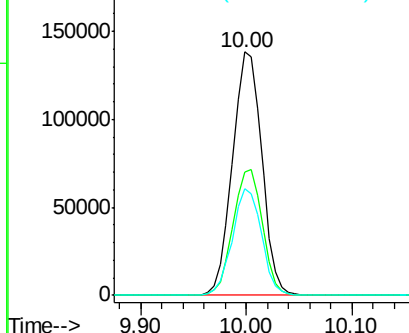
#23
 Nitrobenzene-d5
 Concen: 109.161 ng
 RT: 10.00 min Scan# 1142
 Delta R.T. -0.04 min
 Lab File: BG031825.D
 Acq: 28 Dec 2017 15:04

Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 82 Resp: 265746
 Ion Ratio Lower Upper
 82 100
 128 50.8 29.7 44.5#
 54 43.8 43.1 64.7

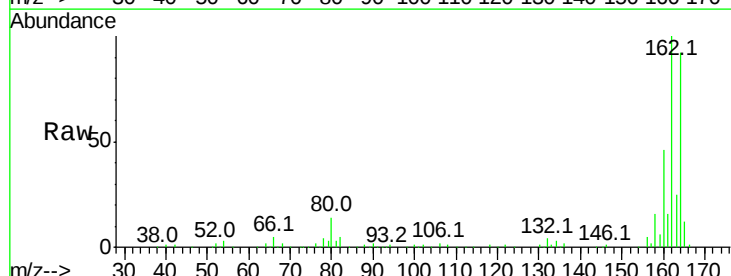


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

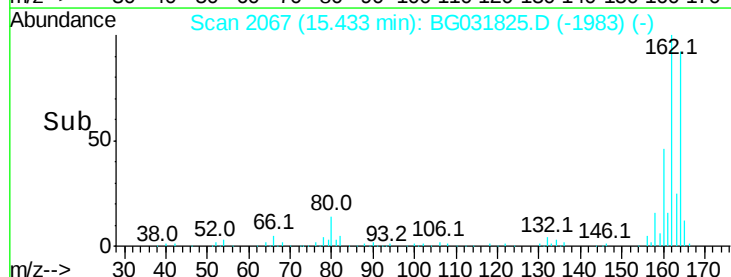
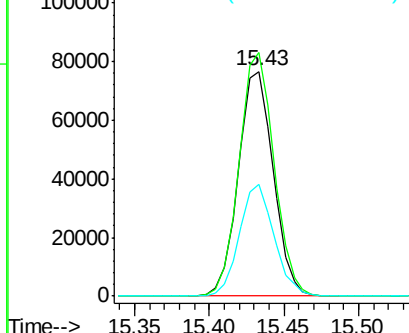


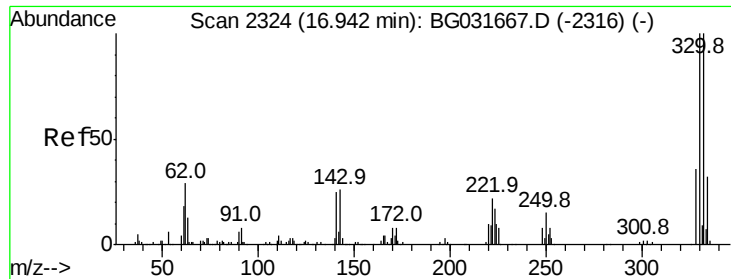
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2067
 Delta R.T. -0.03 min
 Lab File: BG031825.D
 Acq: 28 Dec 2017 15:04

Tgt Ion:164 Resp: 124671
 Ion Ratio Lower Upper
 164 100
 162 108.3 78.8 118.2
 160 49.6 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC

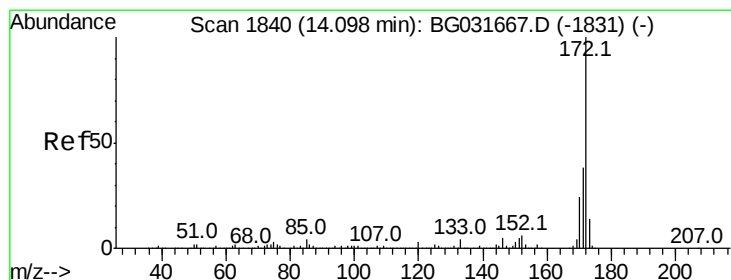
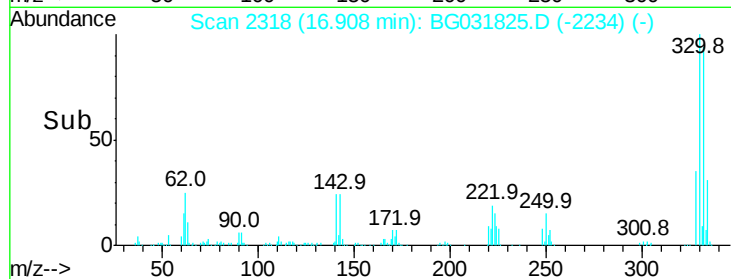
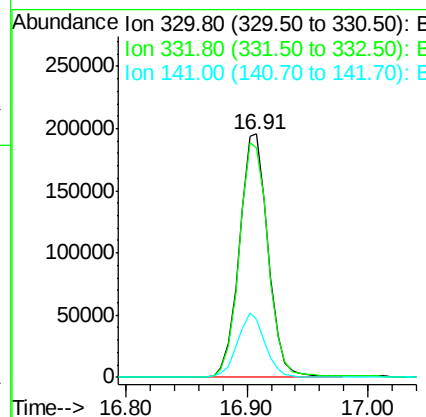
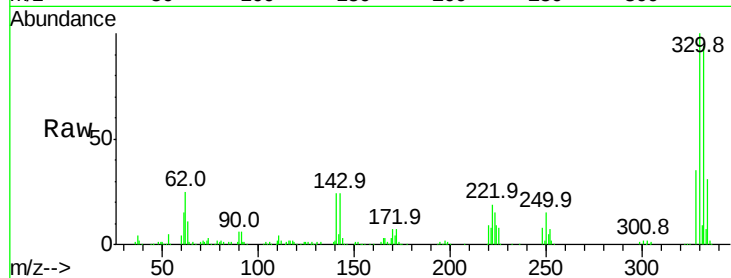




#41
 2,4,6-Tribromophenol
 Concen: 170.112 ng
 RT: 16.91 min Scan# 2318
 Delta R.T. -0.03 min
 Lab File: BG031825.D
 Acq: 28 Dec 2017 15:04

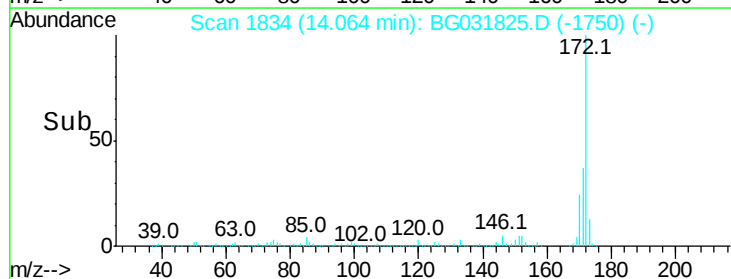
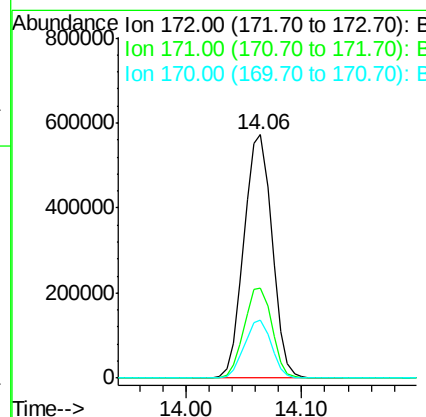
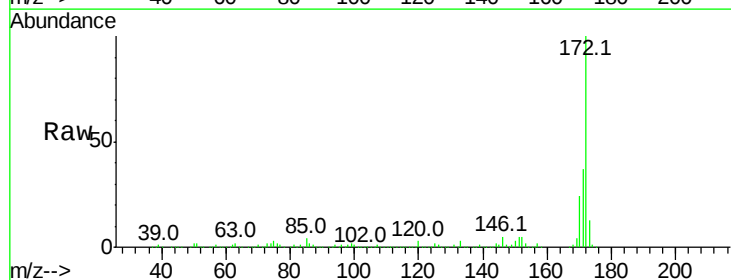
Instrument :
 BNA_G
 ClientSampled :

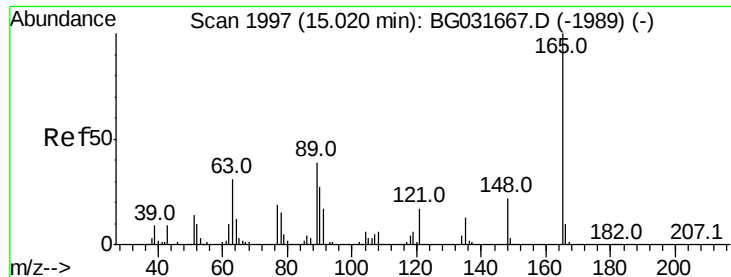
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	77.0	115.6
141	25.5	25.2	37.8



#44
 2-Fluorobiphenyl
 Concen: 97.498 ng
 RT: 14.06 min Scan# 1834
 Delta R.T. -0.03 min
 Lab File: BG031825.D
 Acq: 28 Dec 2017 15:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.0	45.0
170	23.9	19.5	29.3

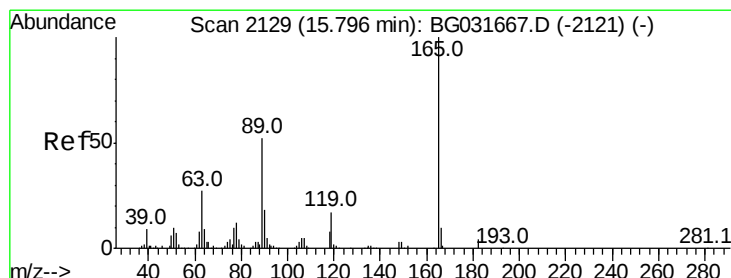
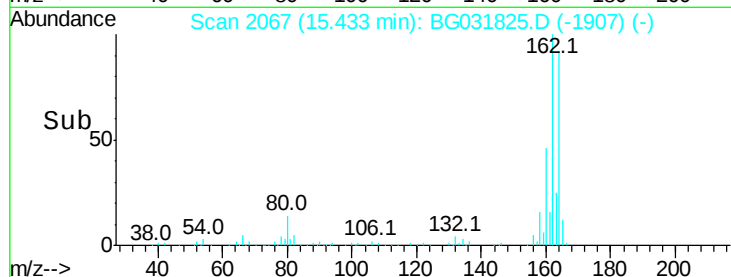
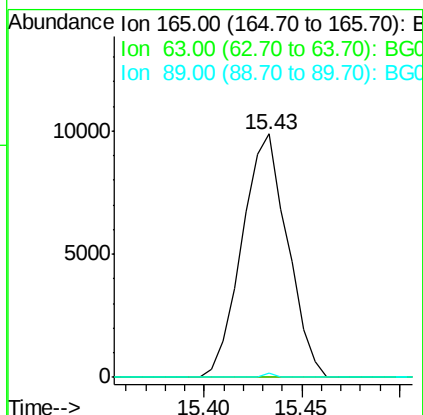
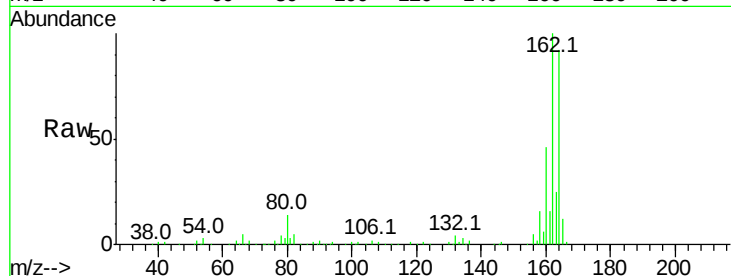




#50
2,6-Dinitrotoluene
Concen: 7.881 ng
RT: 15.43 min Scan# 2067
Delta R.T. 0.41 min
Lab File: BG031825.D
Acq: 28 Dec 2017 15:04

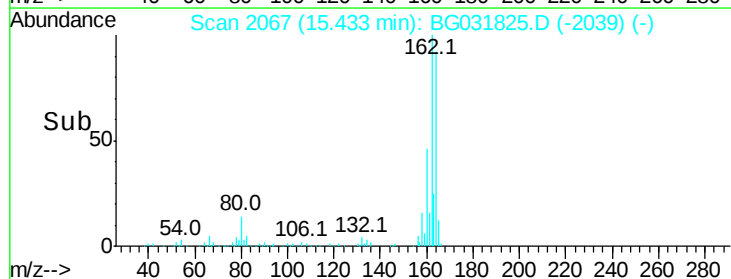
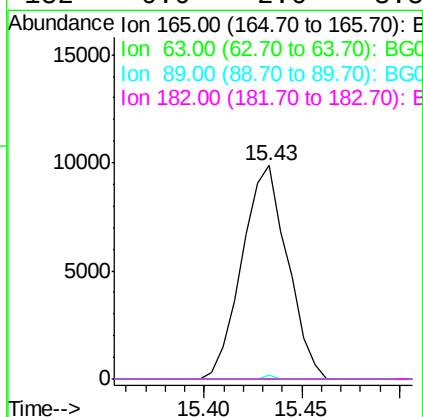
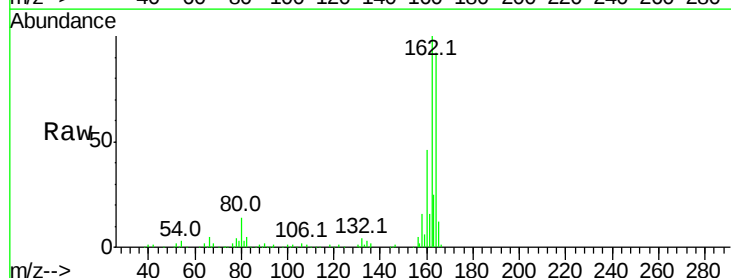
Instrument :
BNA_G
ClientSampleId :

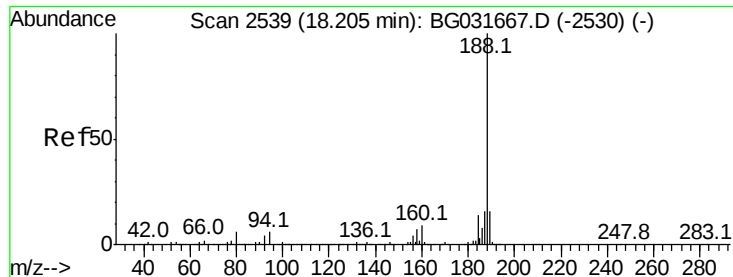
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	1.7	49.2	73.8#



#56
2,4-Dinitrotoluene
Concen: 6.129 ng
RT: 15.43 min Scan# 2067
Delta R.T. -0.36 min
Lab File: BG031825.D
Acq: 28 Dec 2017 15:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	1.7	66.9	100.3#
182	0.0	2.6	3.8#

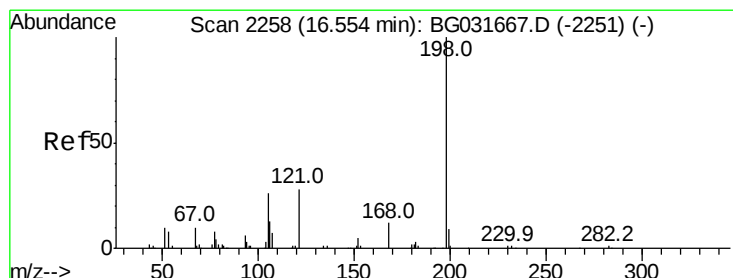
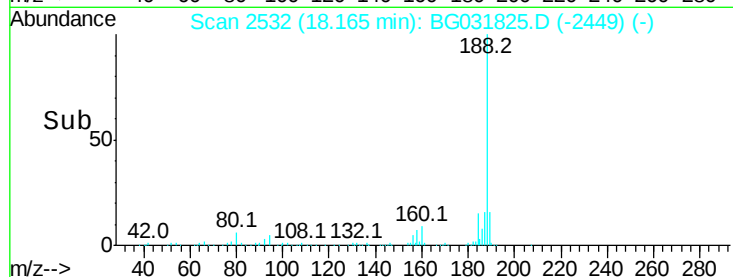
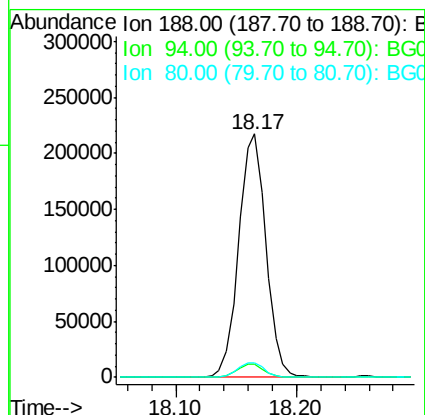
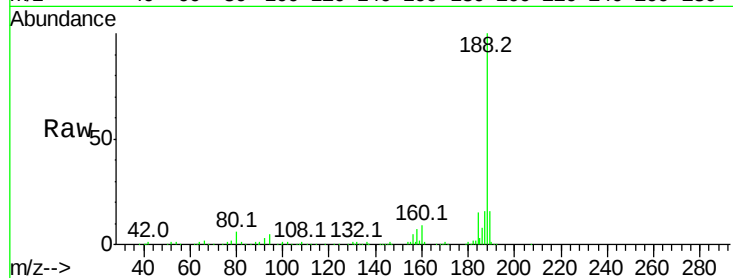




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.17 min Scan# 2532
Delta R.T. -0.04 min
Lab File: BG031825.D
Acq: 28 Dec 2017 15:04

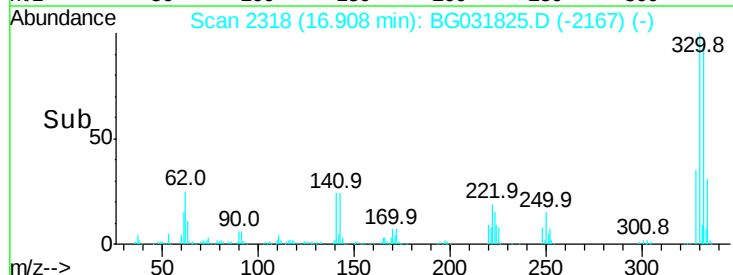
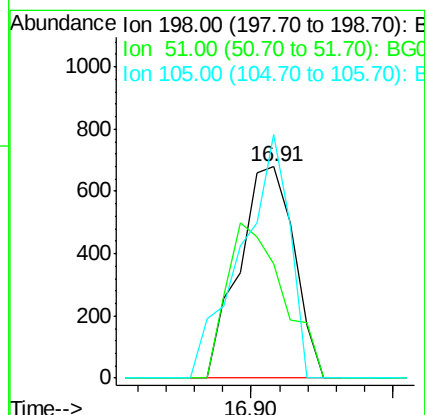
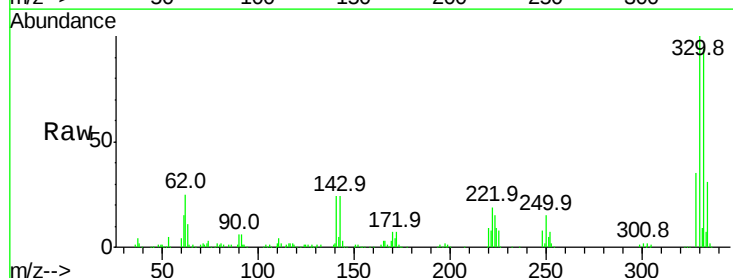
Instrument :
BNA_G
ClientSampleId :

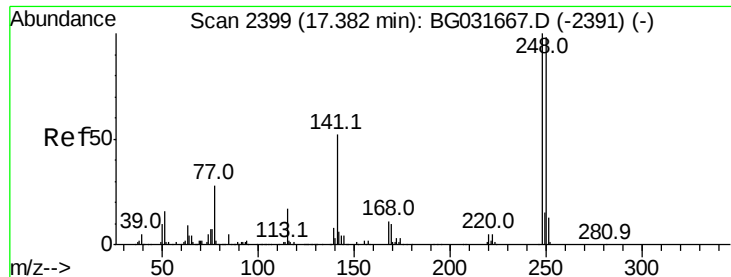
Tot Ion:188 Resp: 341747
Ion Ratio Lower Upper
188 100
94 5.4 6.9 10.3#
80 6.2 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 8.762 ng
RT: 16.91 min Scan# 2318
Delta R.T. 0.35 min
Lab File: BG031825.D
Acq: 28 Dec 2017 15:04

Tgt Ion:198 Resp: 917
Ion Ratio Lower Upper
198 100
51 53.9 30.6 70.6
105 115.2 23.8 63.8#

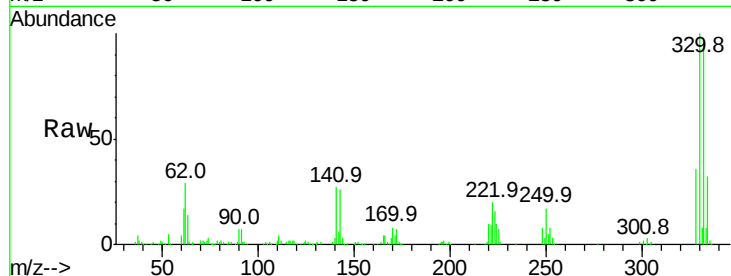




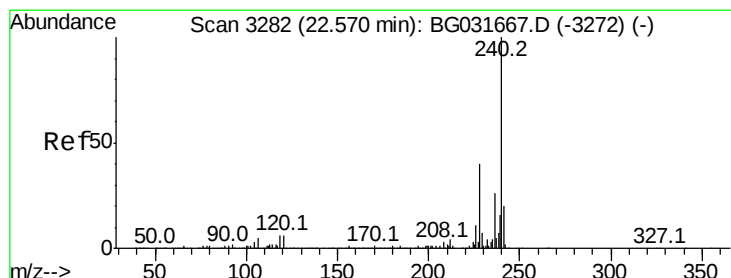
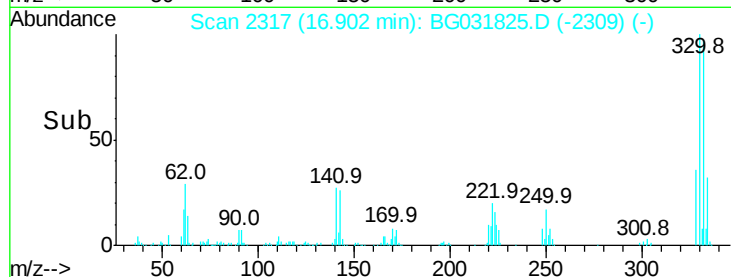
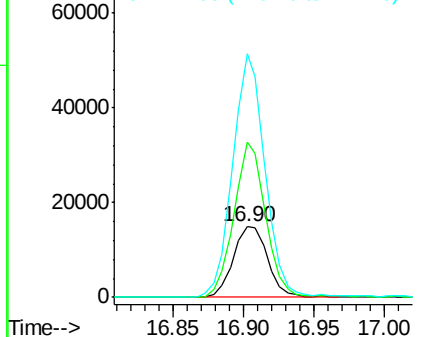
#66
4-Bromophenyl-phenylether
Concen: 5.123 ng
RT: 16.90 min Scan# 2317
Delta R.T. -0.48 min
Lab File: BG031825.D
Acq: 28 Dec 2017 15:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 25317
Ion Ratio Lower Upper
248 100
250 219.4 77.1 115.7#
141 345.3 50.8 76.2#

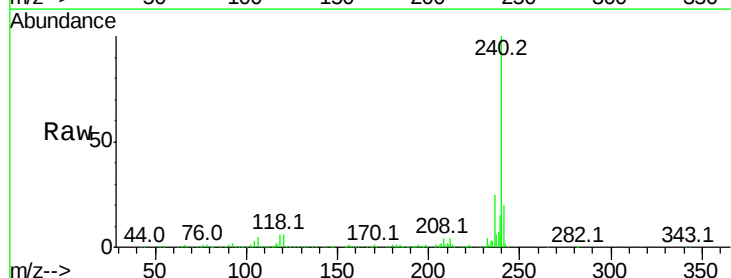


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

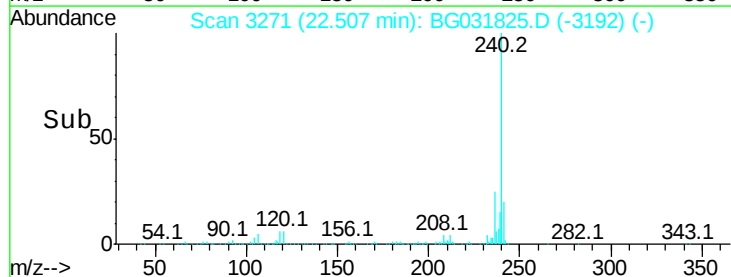
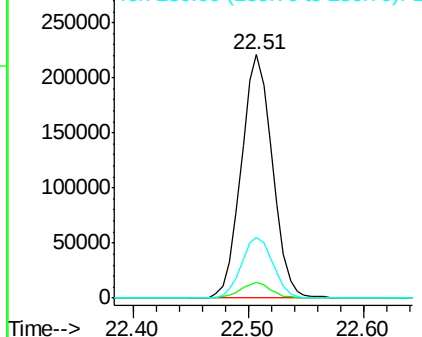


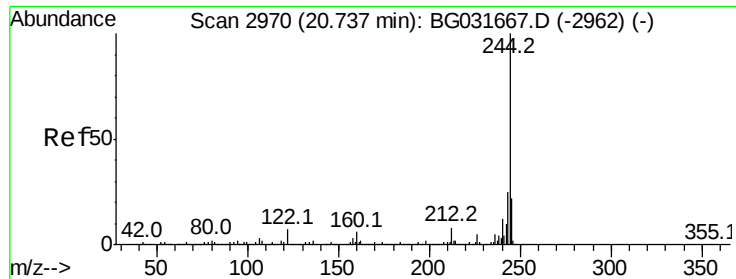
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.51 min Scan# 3271
Delta R.T. -0.06 min
Lab File: BG031825.D
Acq: 28 Dec 2017 15:04

Tgt Ion:240 Resp: 413162
Ion Ratio Lower Upper
240 100
120 6.3 6.8 10.2#
236 24.7 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: 101.524 ng

RT: 20.70 min Scan# 2963

Delta R.T. -0.04 min

Lab File: BG031825.D

Acq: 28 Dec 2017 15:04

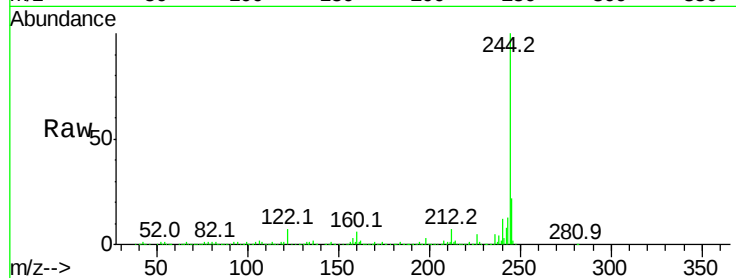
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1835984

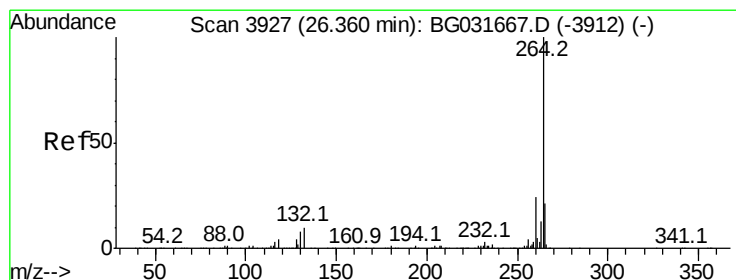
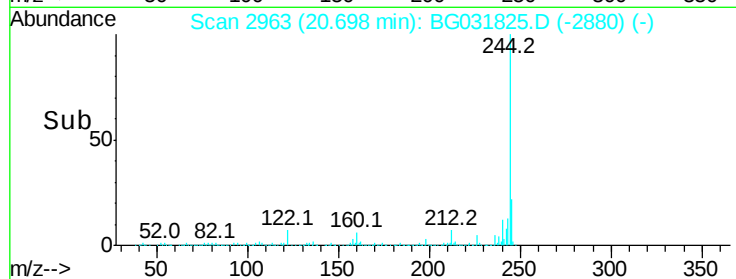
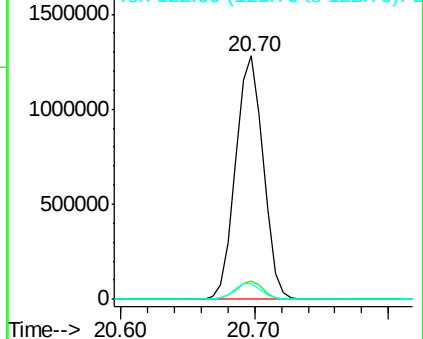
Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.8
122	6.7	7.0	10.4



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

Perylene-d12

Concen: 20.000 ng

RT: 26.26 min Scan# 3909

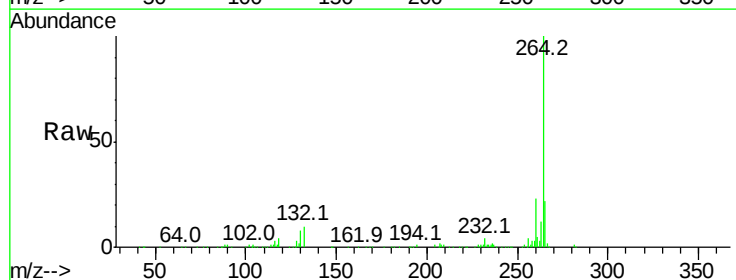
Delta R.T. -0.10 min

Lab File: BG031825.D

Acq: 28 Dec 2017 15:04

Tgt Ion:264 Resp: 439580

Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.4	26.0
265	21.6	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

