

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122717\
 Data File : BG031808.D
 Acq On : 27 Dec 2017 22:22
 Operator : SJ/JU
 Sample : I7058-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 28 07:21:07 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

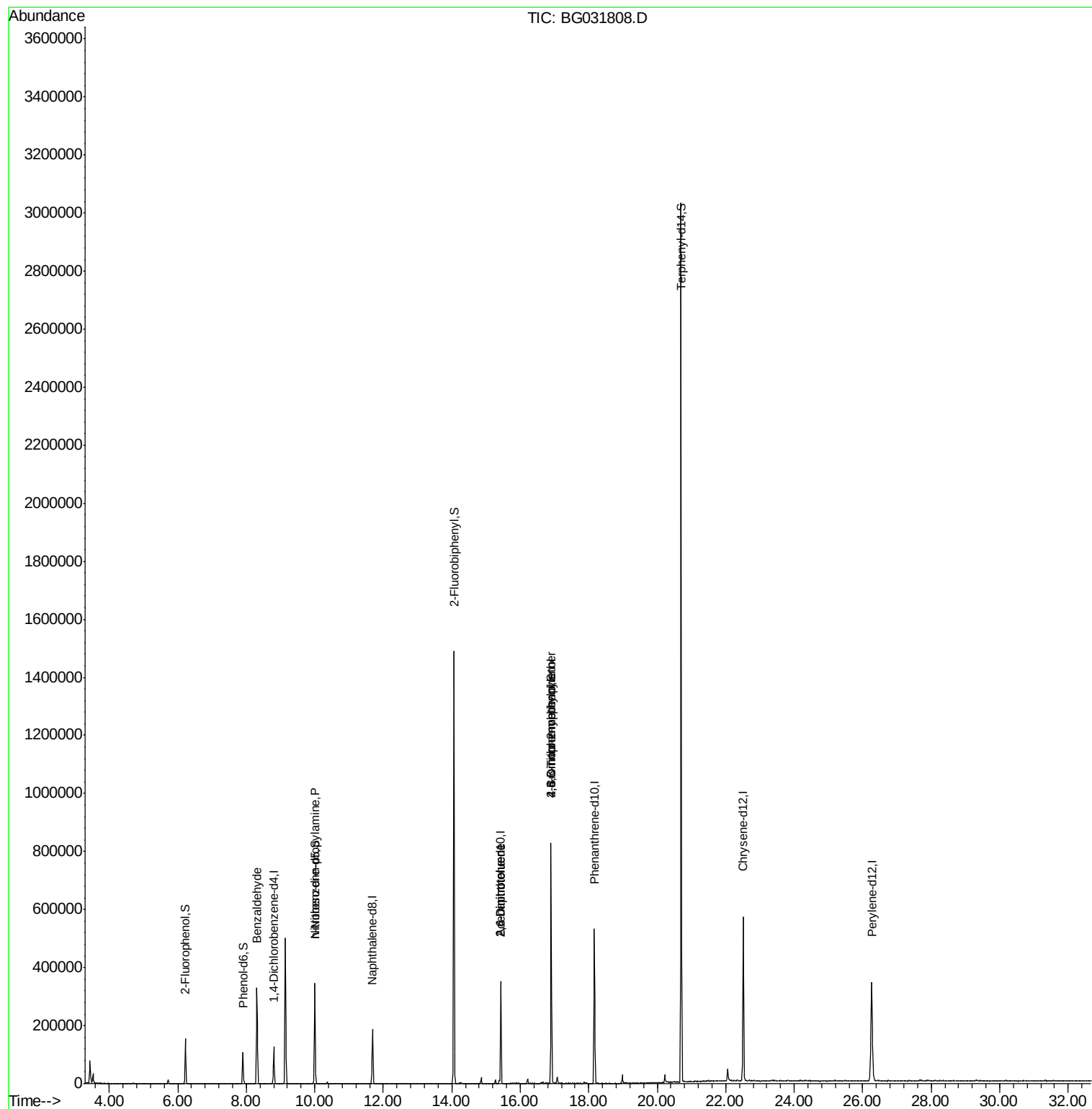
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.81	152	44417	20.00	ng	-0.03
21) Naphthalene-d8	11.69	136	187802	20.00	ng	-0.03
38) Acenaphthene-d10	15.43	164	137009	20.00	ng	-0.03
63) Phenanthrene-d10	18.16	188	372987	20.00	ng	-0.04
75) Chrysene-d12	22.51	240	450504	20.00	ng	-0.06
86) Perylene-d12	26.26	264	477947	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	6.23	112	88093	36.12	ng	-0.02
7) Phenol-d6	7.90	99	75834	23.95	ng	-0.03
23) Nitrobenzene-d5	10.00	82	224316	90.19	ng	-0.03
41) 2,4,6-Tribromophenol	16.91	330	205713	98.40	ng	-0.03
44) 2-Fluorobiphenyl	14.06	172	893033	81.81	ng	-0.03
78) Terphenyl-d14	20.70	244	1624978	82.41	ng	-0.04
Target Compounds						
9) Benzaldehyde	8.31	77	4025	2.111	ng	80
19) n-Nitroso-di-n-propylamine	10.00	70	29498	13.642	ng	# 67
50) 2,6-Dinitrotoluene	15.43	165	17996	8.105	ng	# 18
56) 2,4-Dinitrotoluene	15.43	165	17996	6.303	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.90	198	459	8.515	ng	# 79
66) 4-Bromophenyl-phenylether	16.90	248	16604	3.078	ng	# 1

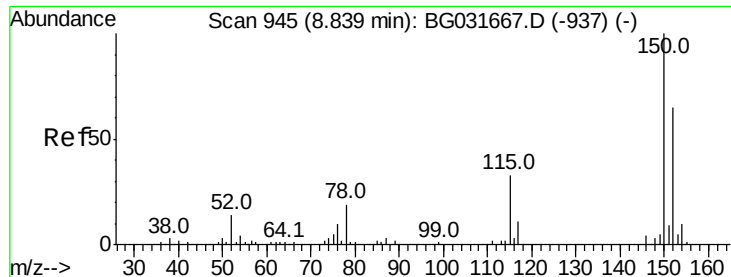
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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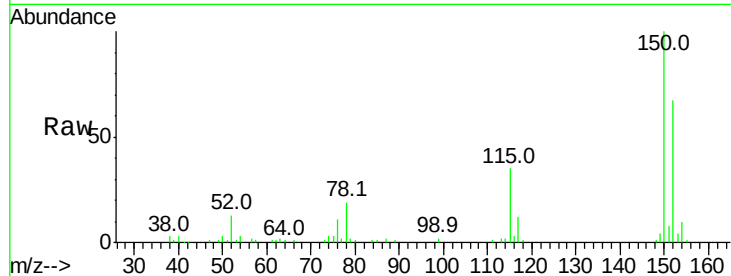


#1

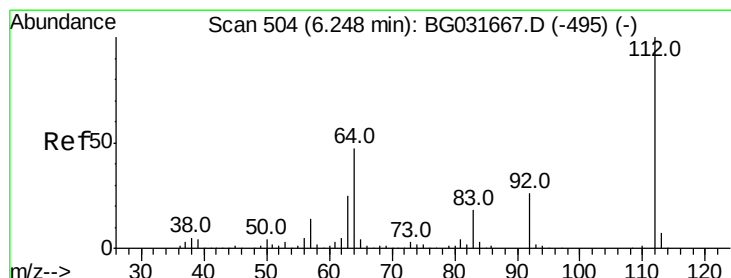
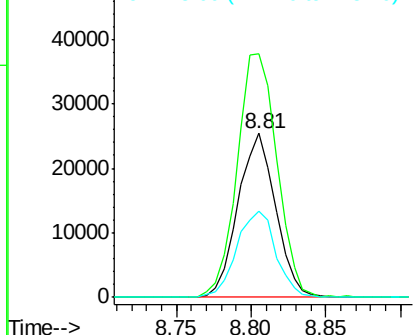
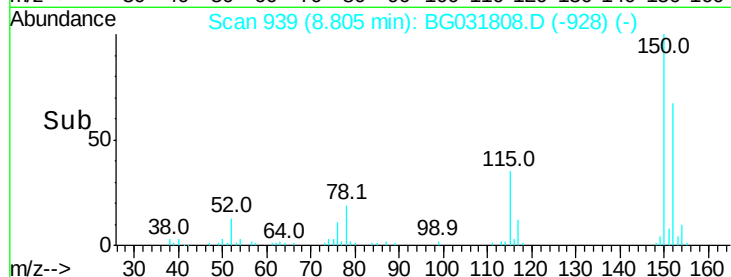
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.81 min Scan# 939
Delta R.T. -0.03 min
Lab File: BG031808.D
Acq: 27 Dec 2017 22:22

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 44417
Ion Ratio Lower Upper
152 100
150 148.8 126.6 189.8
115 52.4 53.0 79.4#



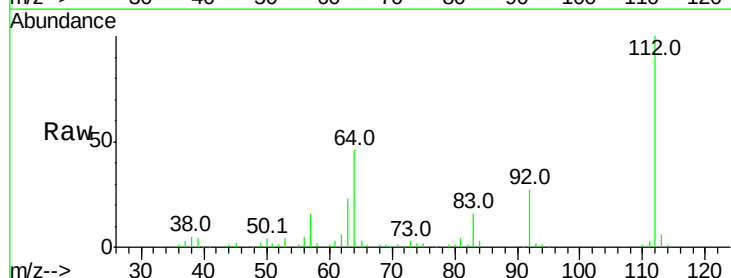
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



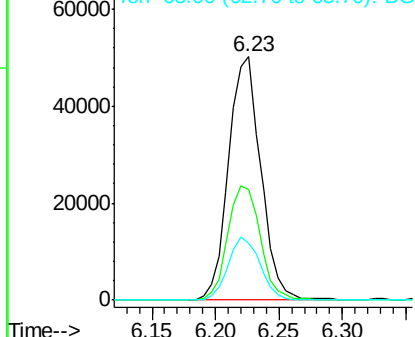
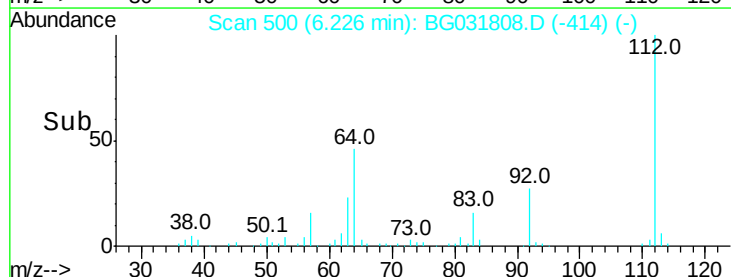
#5

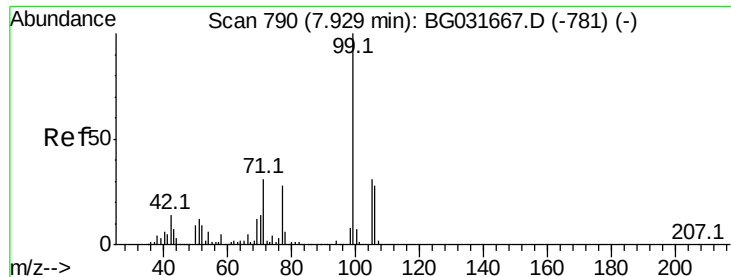
2-Fluorophenol
Concen: 36.124 ng
RT: 6.23 min Scan# 500
Delta R.T. -0.02 min
Lab File: BG031808.D
Acq: 27 Dec 2017 22:22

Tgt Ion:112 Resp: 88093
Ion Ratio Lower Upper
112 100
64 45.6 56.3 84.5#
63 23.3 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: 23.951 ng

RT: 7.90 min Scan# 785

Delta R.T. -0.03 min

Lab File: BG031808.D

Acq: 27 Dec 2017 22:22

Instrument :

BNA_G

ClientSampleId :

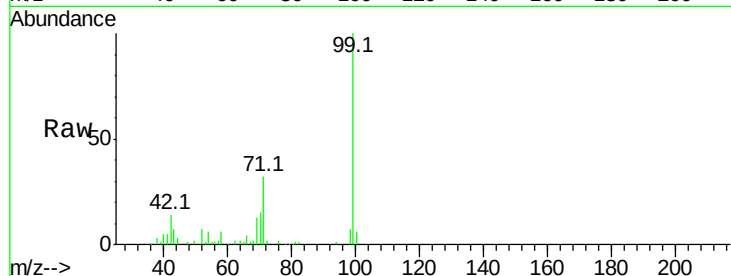
Tot Ion: 99 Resp: 75834

Ion Ratio Lower Upper

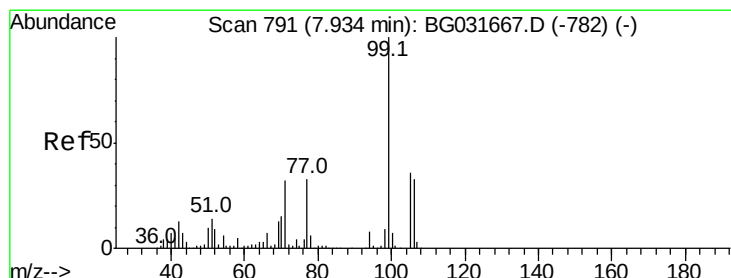
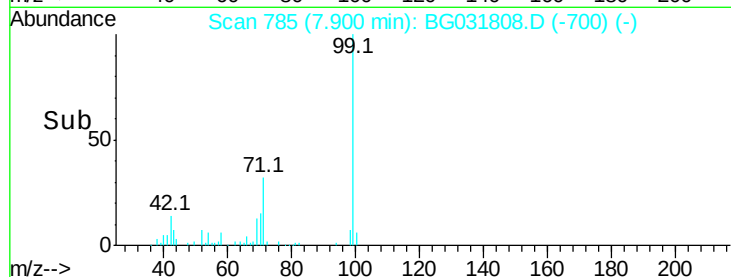
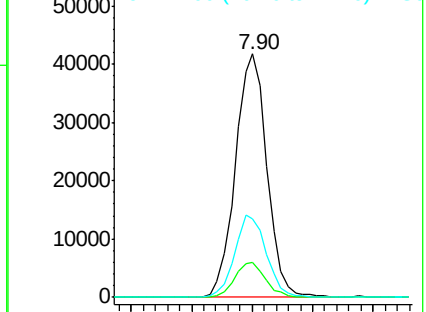
99 100

42 14.4 14.1 21.1

71 32.5 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: 2.111 ng

RT: 8.31 min Scan# 855

Delta R.T. 0.38 min

Lab File: BG031808.D

Acq: 27 Dec 2017 22:22

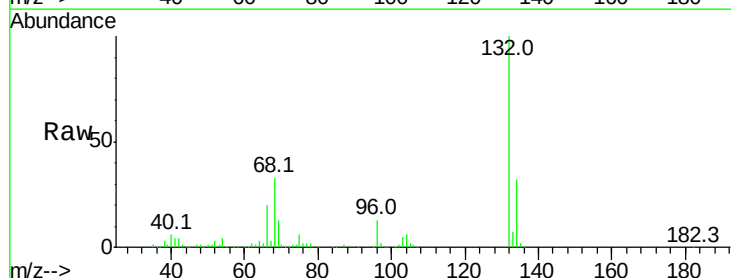
Tgt Ion: 77 Resp: 4025

Ion Ratio Lower Upper

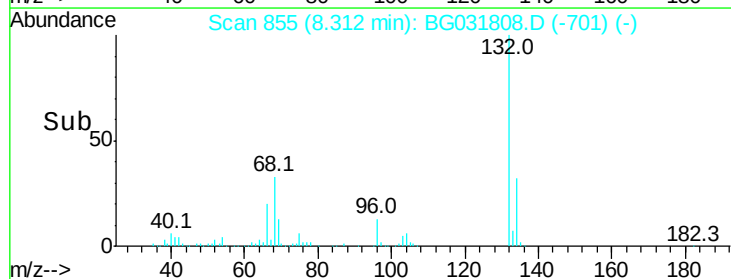
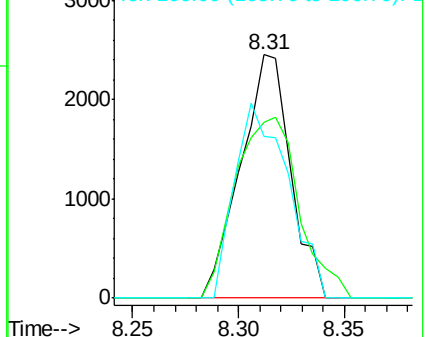
77 100

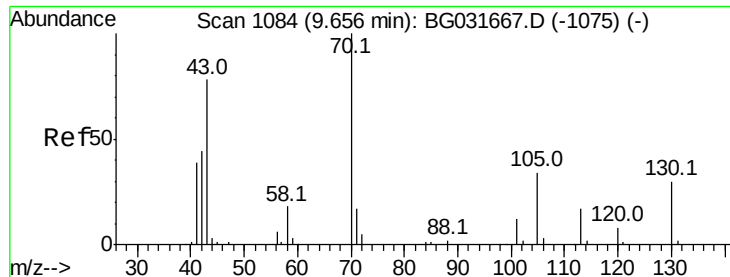
105 71.9 71.3 111.3

106 66.4 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

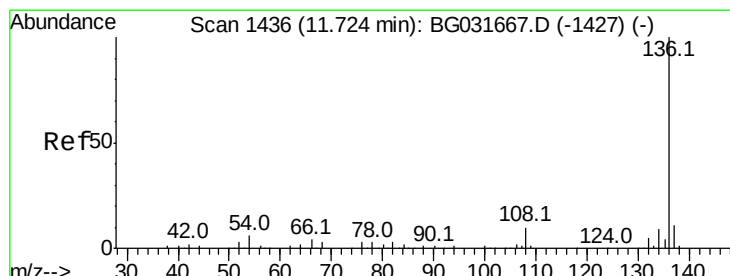
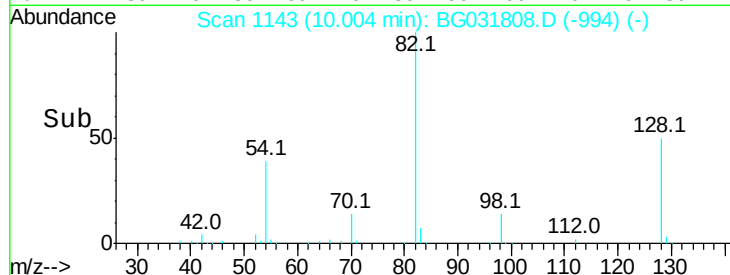
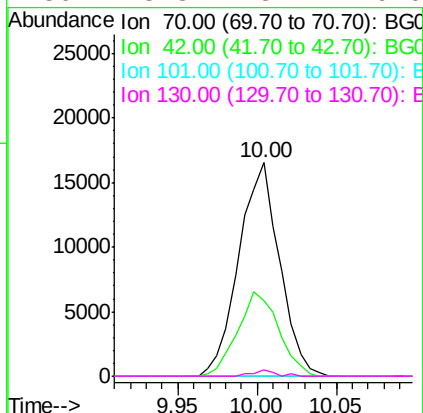
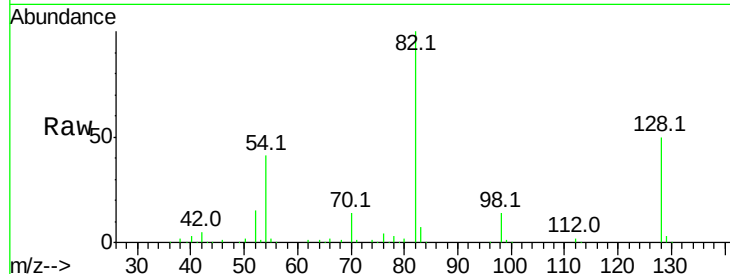




#19
n-Nitroso-di-n-propylamine
Concen: 13.642 ng
RT: 10.00 min Scan# 1143
Delta R.T. 0.35 min
Lab File: BG031808.D
Acq: 27 Dec 2017 22:22

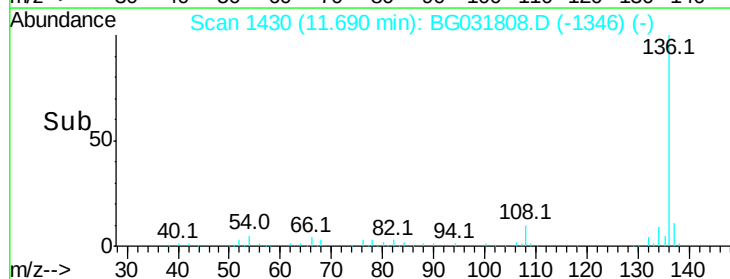
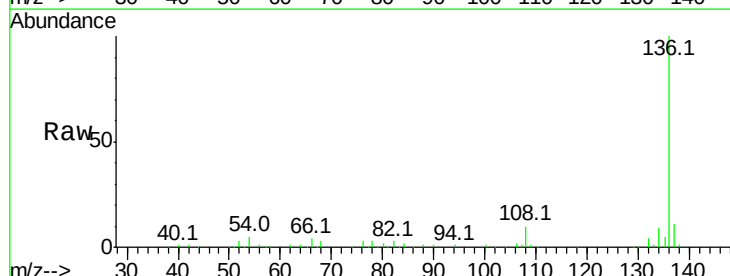
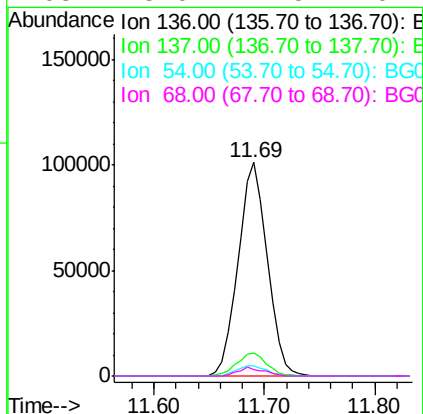
Instrument :
BNA_G
ClientSampleId :

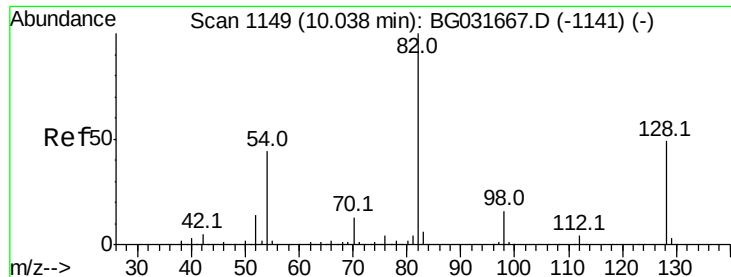
Tot Ion: 70 Resp: 29498
Ion Ratio Lower Upper
70 100
42 35.5 49.1 73.7#
101 0.0 8.5 12.7#
130 3.3 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.69 min Scan# 1430
Delta R.T. -0.03 min
Lab File: BG031808.D
Acq: 27 Dec 2017 22:22

Tgt Ion:136 Resp: 187802
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 4.9 10.3 15.5#
68 3.0 4.5 6.7#

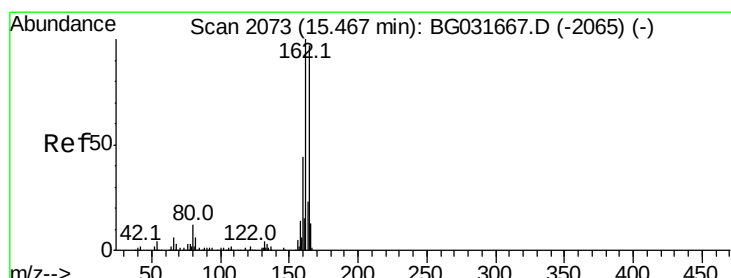
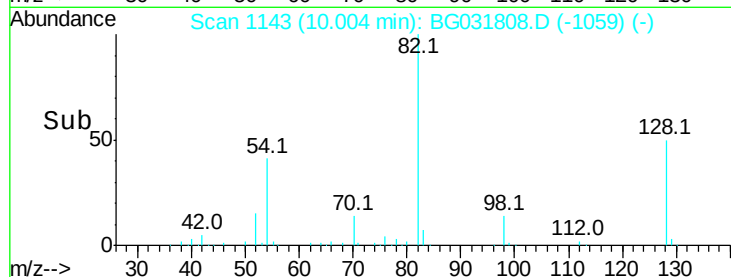
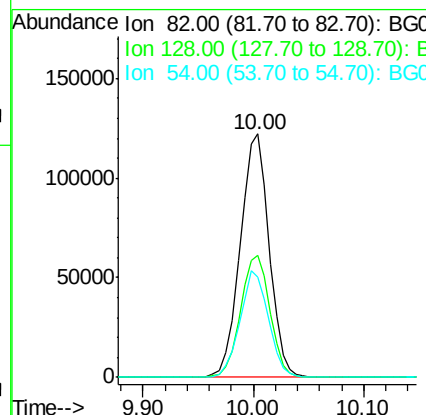
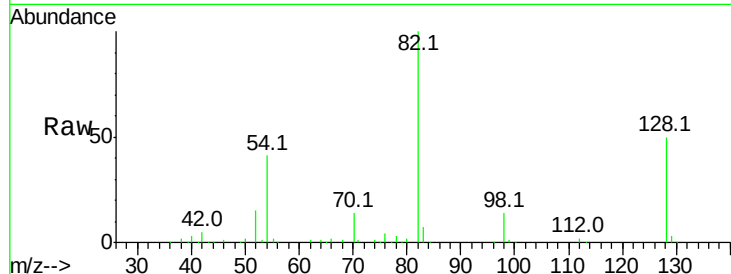




#23
 Nitrobenzene-d5
 Concen: 90.194 ng
 RT: 10.00 min Scan# 1143
 Delta R.T. -0.03 min
 Lab File: BG031808.D
 Acq: 27 Dec 2017 22:22

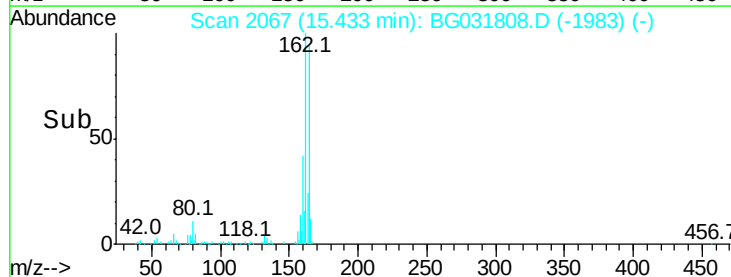
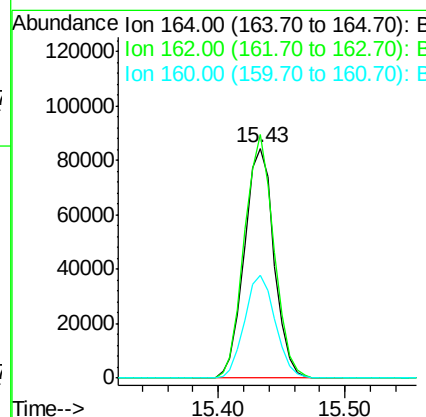
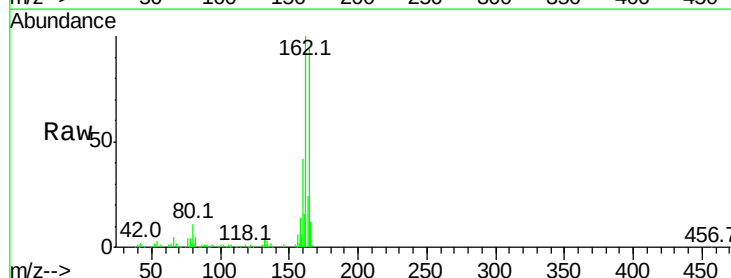
Instrument :
 BNA_G
 ClientSampleId :

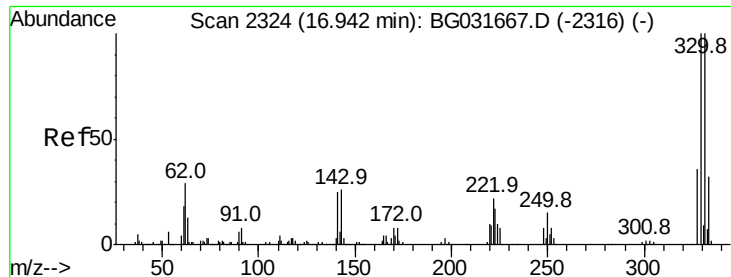
Tot Ion	82	Resp	224316
Ion Ratio	Lower	Upper	
82	100		
128	50.1	29.7	44.5#
54	41.0	43.1	64.7#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2067
 Delta R.T. -0.03 min
 Lab File: BG031808.D
 Acq: 27 Dec 2017 22:22

Tgt Ion	164	Resp	137009
Ion Ratio	Lower	Upper	
164	100		
162	106.1	78.8	118.2
160	44.7	35.4	53.0

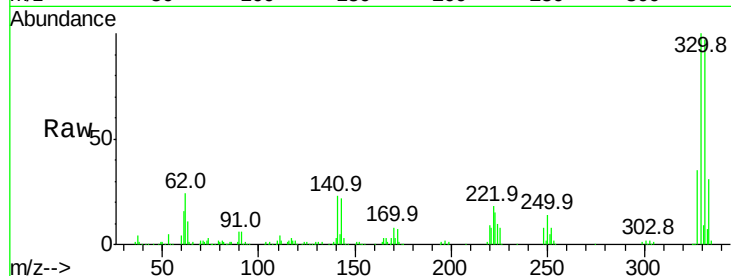




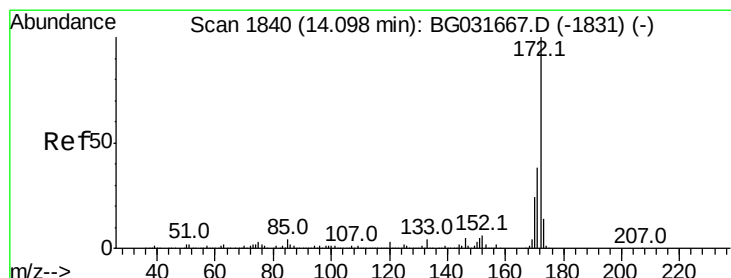
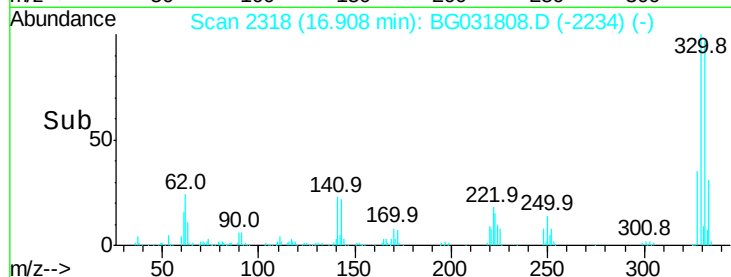
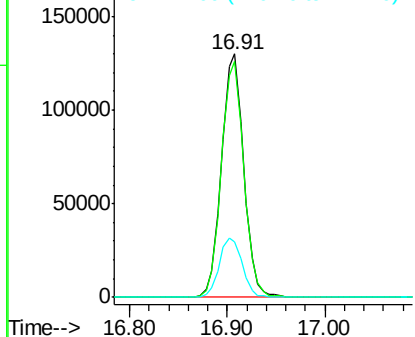
#41
 2,4,6-Tribromophenol
 Concen: 98.401 ng
 RT: 16.91 min Scan# 2318
 Delta R.T. -0.03 min
 Lab File: BG031808.D
 Acq: 27 Dec 2017 22:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.0	115.6
141	25.1	25.2	37.8#

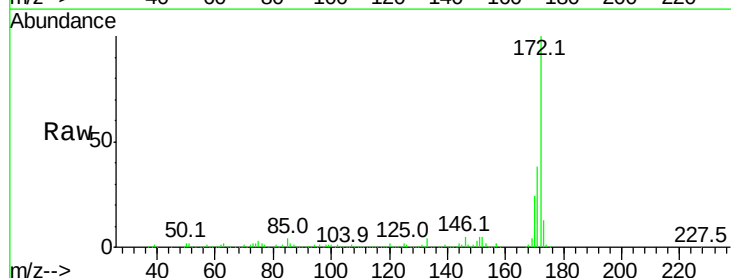


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

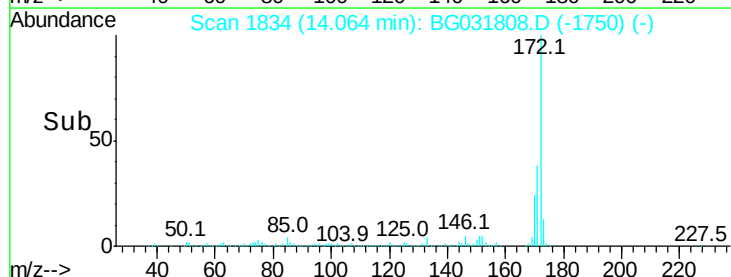
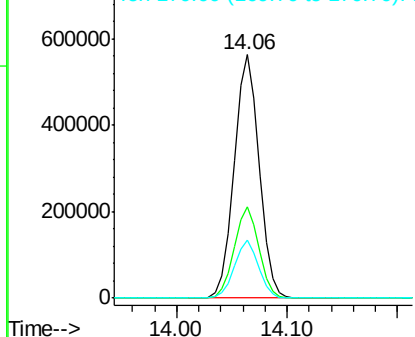


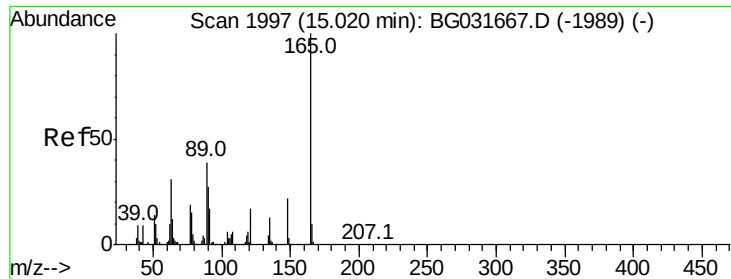
#44
 2-Fluorobiphenyl
 Concen: 81.810 ng
 RT: 14.06 min Scan# 1834
 Delta R.T. -0.03 min
 Lab File: BG031808.D
 Acq: 27 Dec 2017 22:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	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

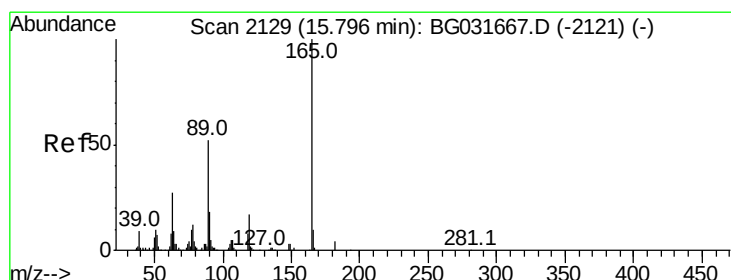
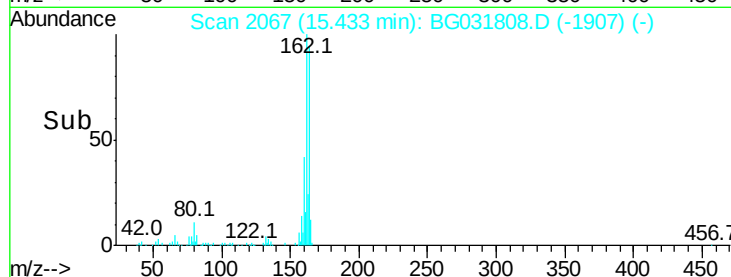
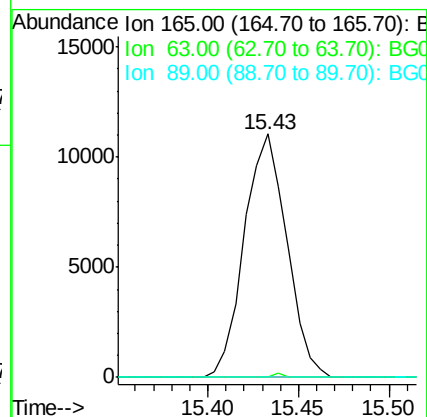
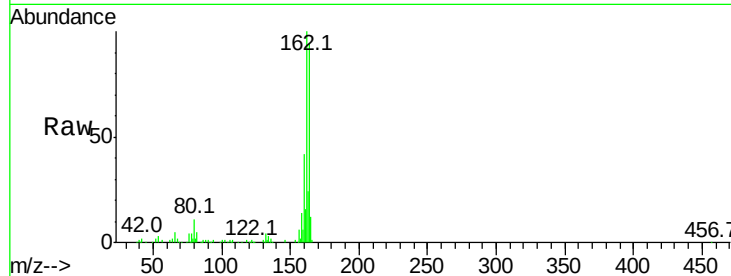




#50
2,6-Dinitrotoluene
Concen: 8.105 ng
RT: 15.43 min Scan# 2067
Delta R.T. 0.41 min
Lab File: BG031808.D
Acq: 27 Dec 2017 22:22

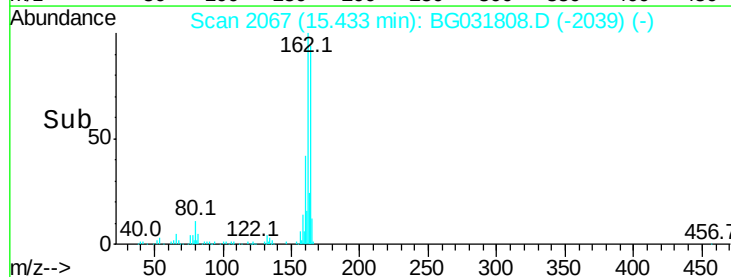
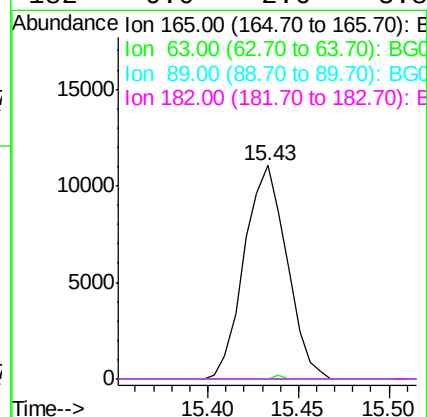
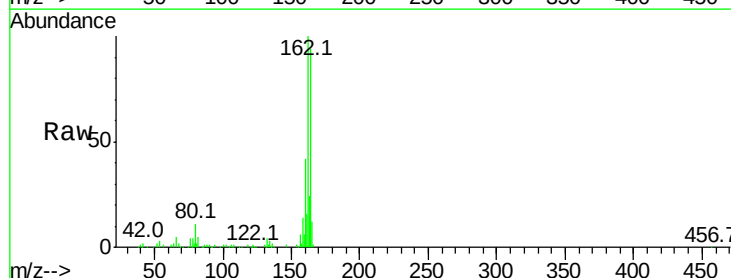
Instrument :
BNA_G
ClientSampled :

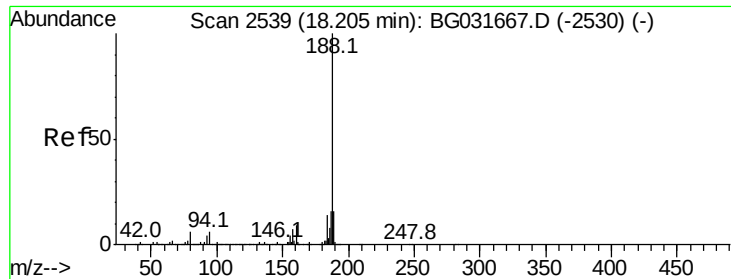
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#



#56
2,4-Dinitrotoluene
Concen: 6.303 ng
RT: 15.43 min Scan# 2067
Delta R.T. -0.36 min
Lab File: BG031808.D
Acq: 27 Dec 2017 22:22

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#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.16 min Scan# 2532

Delta R.T. -0.04 min

Lab File: BG031808.D

Acq: 27 Dec 2017 22:22

Instrument :

BNA_G

ClientSampleId :

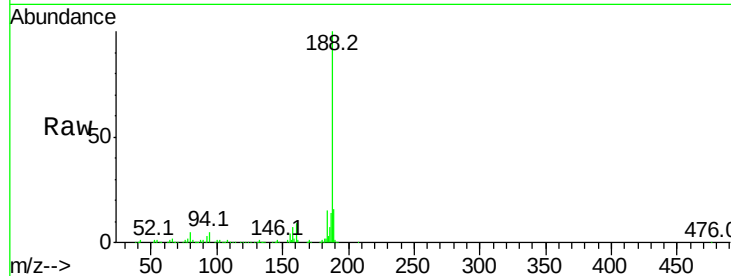
Tot Ion:188 Resp: 372987

Ion Ratio Lower Upper

188 100

94 5.2 6.9 10.3#

80 5.4 7.7 11.5#

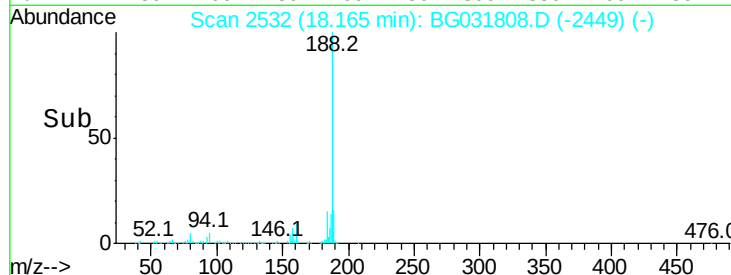


Abundance Ion 188.00 (187.70 to 188.70): E

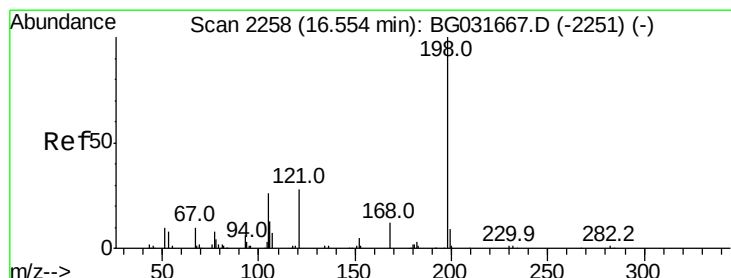
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

18.16



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 8.515 ng

RT: 16.90 min Scan# 2316

Delta R.T. 0.34 min

Lab File: BG031808.D

Acq: 27 Dec 2017 22:22

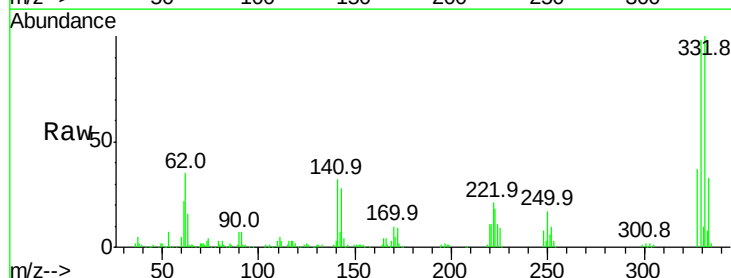
Tgt Ion:198 Resp: 459

Ion Ratio Lower Upper

198 100

51 57.9 30.6 70.6

105 65.7 23.8 63.8#

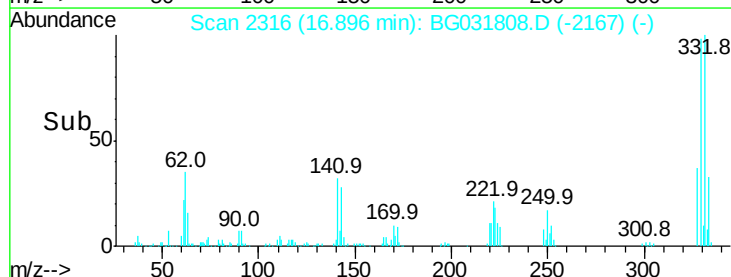


Abundance Ion 198.00 (197.70 to 198.70): E

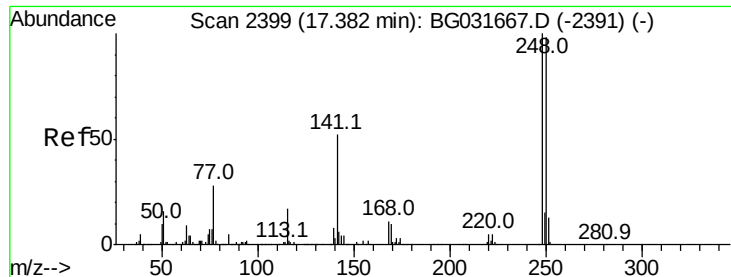
Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

16.90



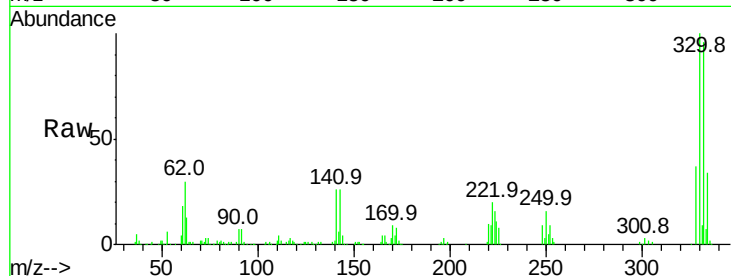
Time-->



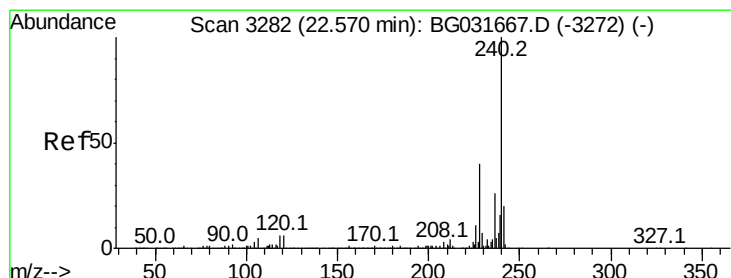
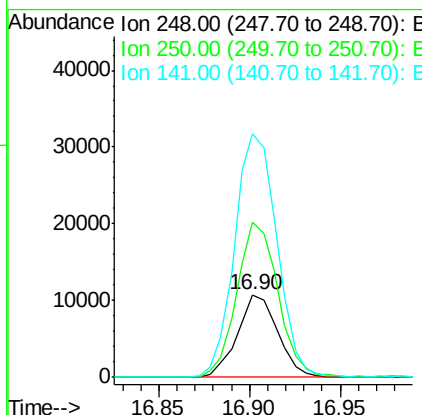
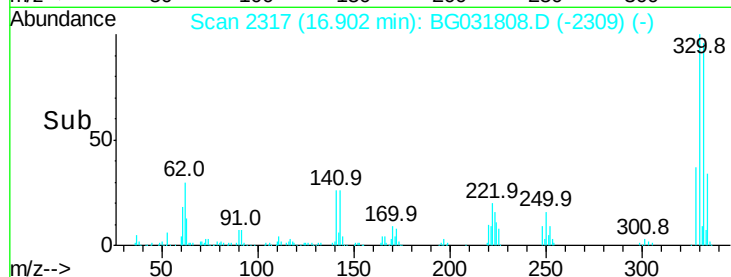
#66
 4-Bromophenyl-phenylether
 Concen: 3.078 ng
 RT: 16.90 min Scan# 2317
 Delta R.T. -0.48 min
 Lab File: BG031808.D
 Acq: 27 Dec 2017 22:22

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 16604
 Ion Ratio Lower Upper
 248 100
 250 187.1 77.1 115.7#
 141 293.5 50.8 76.2#

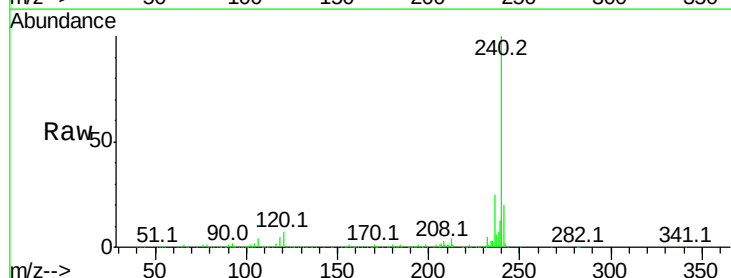


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

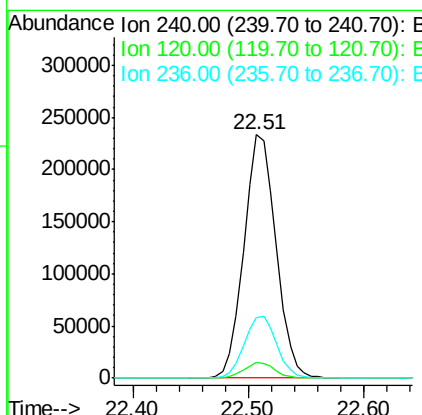
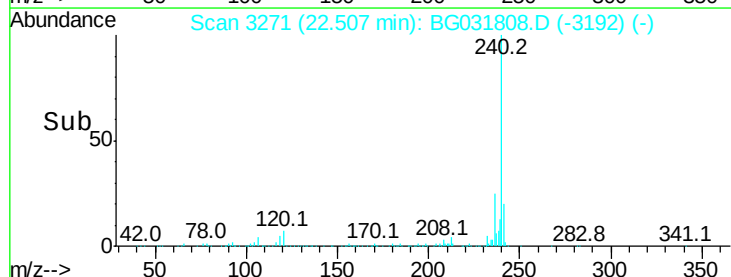


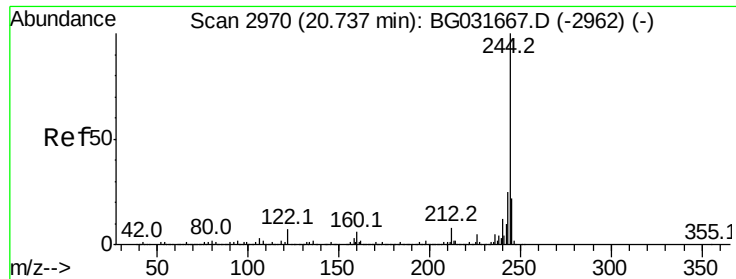
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.51 min Scan# 3271
 Delta R.T. -0.06 min
 Lab File: BG031808.D
 Acq: 27 Dec 2017 22:22

Tgt Ion:240 Resp: 450504
 Ion Ratio Lower Upper
 240 100
 120 6.5 6.8 10.2#
 236 25.0 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: 82.408 ng

RT: 20.70 min Scan# 2963

Delta R.T. -0.04 min

Lab File: BG031808.D

Acq: 27 Dec 2017 22:22

Instrument :

BNA_G

ClientSampleId :

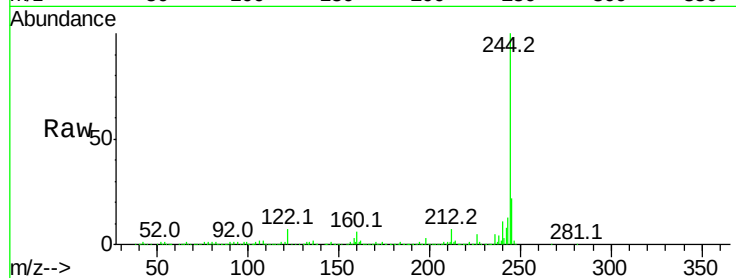
Tot Ion:244 Resp: 1624978

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

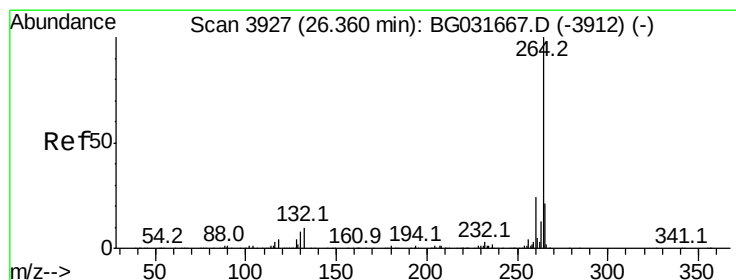
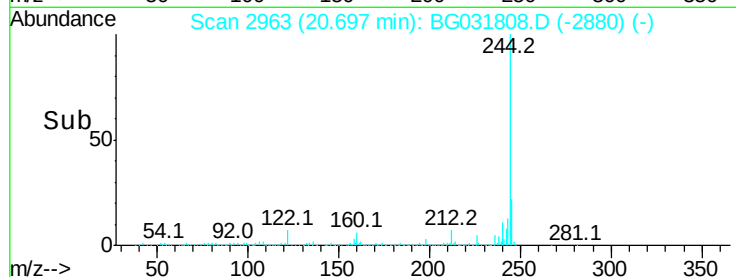
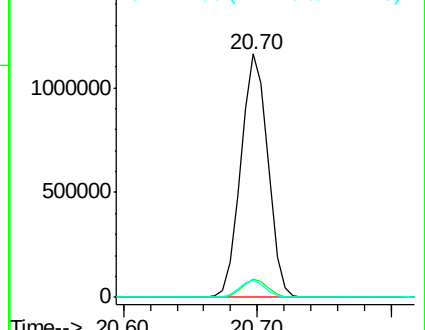
122 7.2 7.0 10.4



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# 3910

Delta R.T. -0.10 min

Lab File: BG031808.D

Acq: 27 Dec 2017 22:22

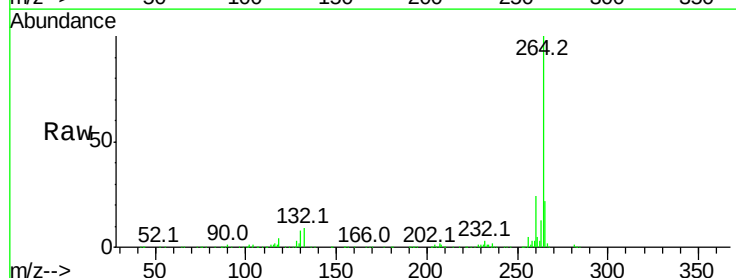
Tgt Ion:264 Resp: 477947

Ion Ratio Lower Upper

264 100

260 24.0 17.4 26.0

265 22.0 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

