

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122217\
 Data File : BG031728.D
 Acq On : 23 Dec 2017 1:40
 Operator : SJ/JU
 Sample : I7004-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C-MW-11-121817

Quant Time: Dec 23 02:55:22 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

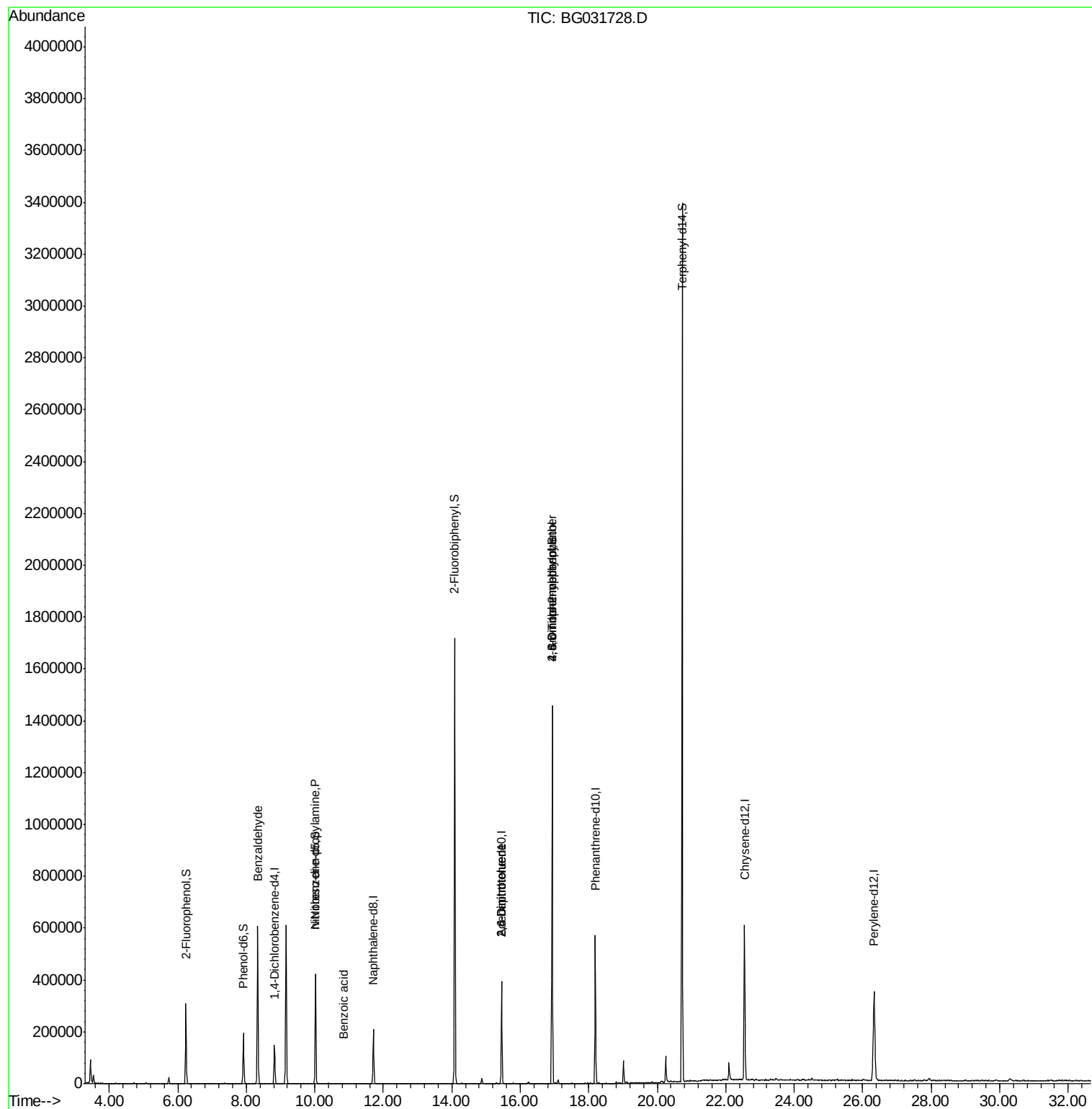
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.82	152	52984	20.00	ng	-0.02
21) Naphthalene-d8	11.71	136	217616	20.00	ng	-0.01
38) Acenaphthene-d10	15.46	164	151661	20.00	ng	-0.01
63) Phenanthrene-d10	18.19	188	393871	20.00	ng	-0.01
75) Chrysene-d12	22.55	240	451640	20.00	ng	-0.02
86) Perylene-d12	26.33	264	487351	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.24	112	172106	59.16	ng	-0.01
7) Phenol-d6	7.92	99	136732	36.20	ng	-0.01
23) Nitrobenzene-d5	10.02	82	280212	97.23	ng	-0.02
41) 2,4,6-Tribromophenol	16.93	330	357260	154.38	ng	-0.01
44) 2-Fluorobiphenyl	14.09	172	1039947	86.07	ng	-0.01
78) Terphenyl-d14	20.73	244	1852472	93.71	ng	-0.01
Target Compounds						
9) Benzaldehyde	8.34	77	7536	3.314	ng	98
19) n-Nitroso-di-n-propylamine	10.02	70	36788	14.263	ng	# 70
32) Benzoic acid	10.83	122	68	6.721	ng	# 1
50) 2,6-Dinitrotoluene	15.46	165	20635	8.396	ng	# 19
56) 2,4-Dinitrotoluene	15.46	165	20635	6.529	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.93	198	889	8.689	ng	# 13
66) 4-Bromophenyl-phenylether	16.93	248	28988	5.090	ng	# 1

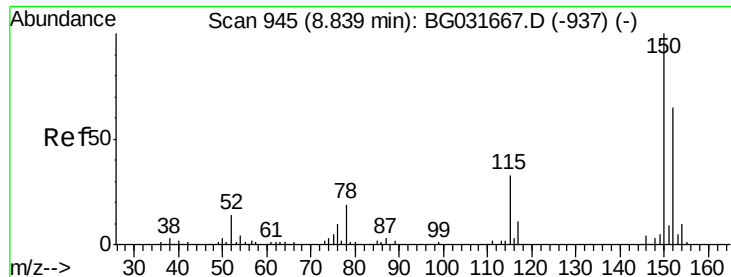
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 23 02:55:22 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



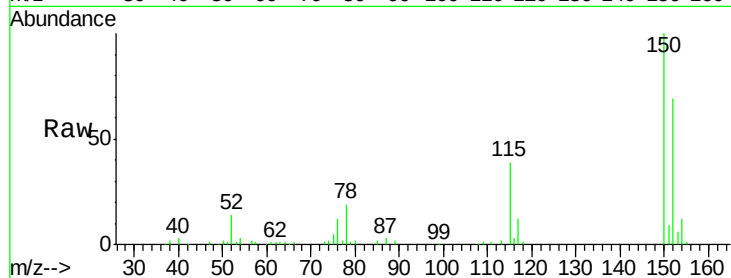


#1

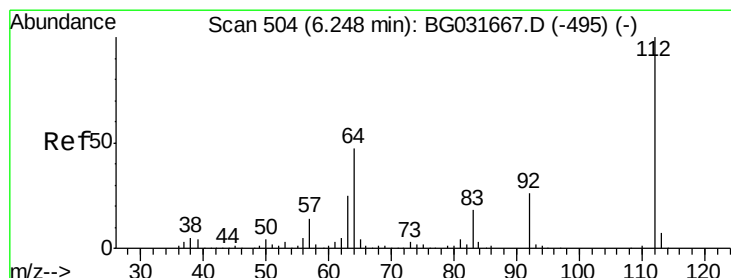
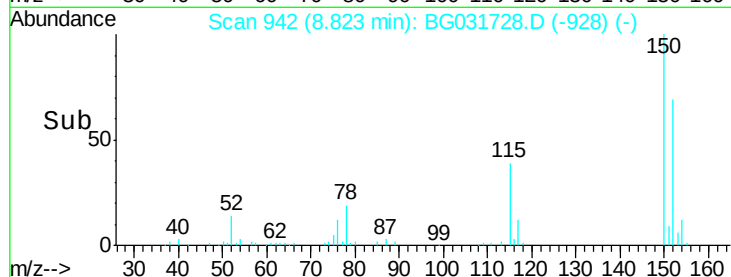
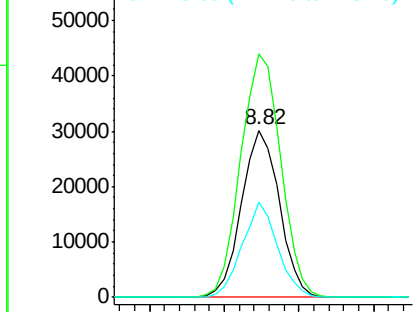
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.82 min Scan# 942
Delta R.T. -0.02 min
Lab File: BG031728.D
Acq: 23 Dec 2017 1:40

Instrument :
BNA_G
ClientSampleId :
C-MW-11-121817

Tot Ion:152 Resp: 52984
Ion Ratio Lower Upper
152 100
150 145.6 126.6 189.8
115 57.0 53.0 79.4



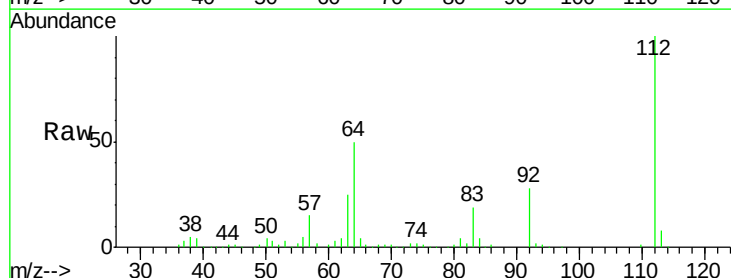
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



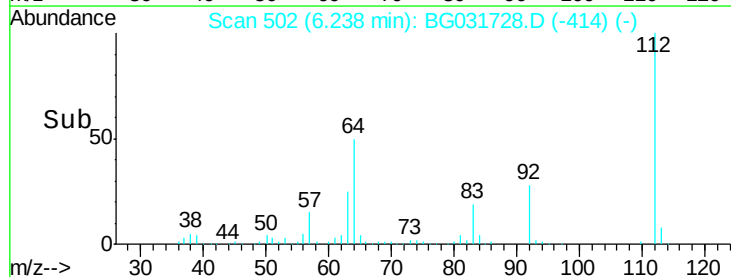
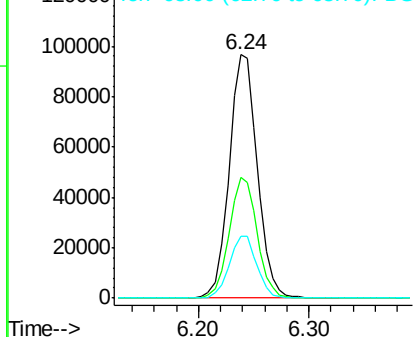
#5

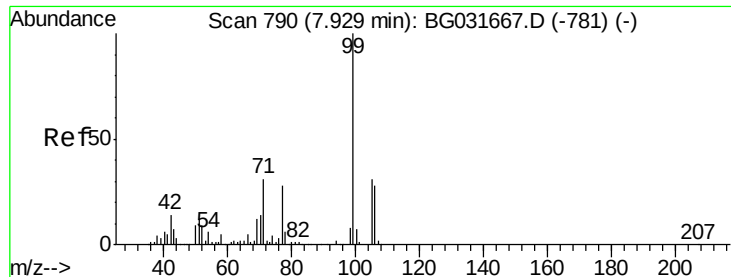
2-Fluorophenol
Concen: 59.163 ng
RT: 6.24 min Scan# 502
Delta R.T. -0.01 min
Lab File: BG031728.D
Acq: 23 Dec 2017 1:40

Tgt Ion:112 Resp: 172106
Ion Ratio Lower Upper
112 100
64 49.5 56.3 84.5#
63 25.2 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: 36.203 ng

RT: 7.92 min Scan# 788

Delta R.T. -0.01 min

Lab File: BG031728.D

Acq: 23 Dec 2017 1:40

Instrument :

BNA_G

ClientSampleId :

C-MW-11-121817

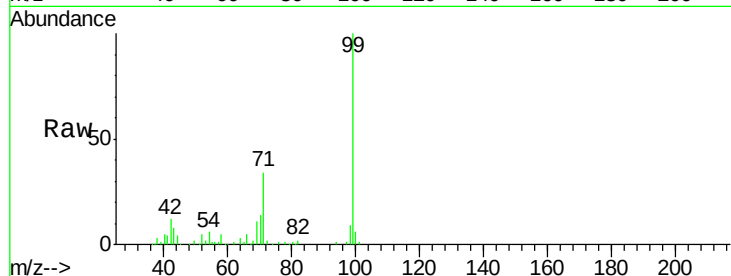
Tot Ion: 99 Resp: 136732

Ion Ratio Lower Upper

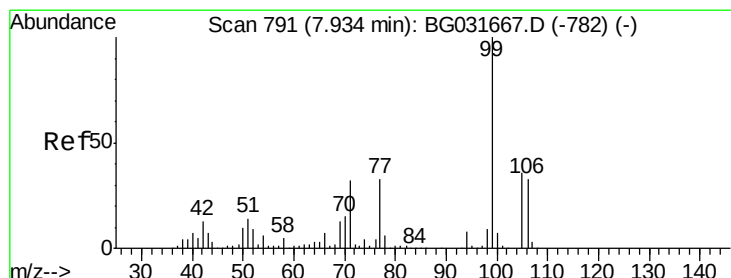
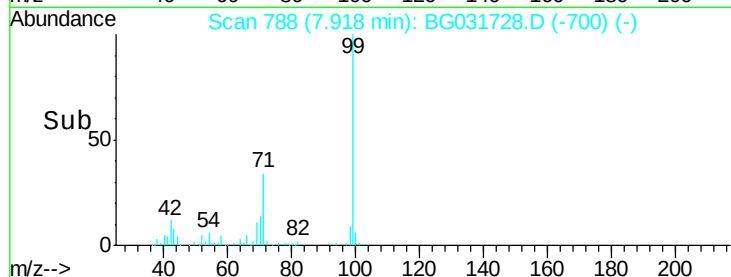
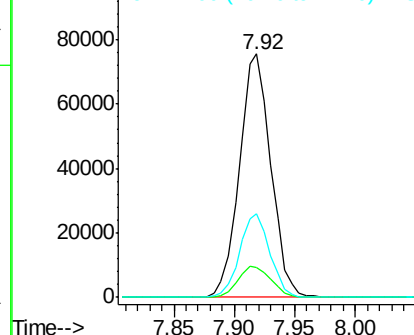
99 100

42 12.1 14.1 21.1#

71 34.3 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: 3.314 ng

RT: 8.34 min Scan# 859

Delta R.T. 0.40 min

Lab File: BG031728.D

Acq: 23 Dec 2017 1:40

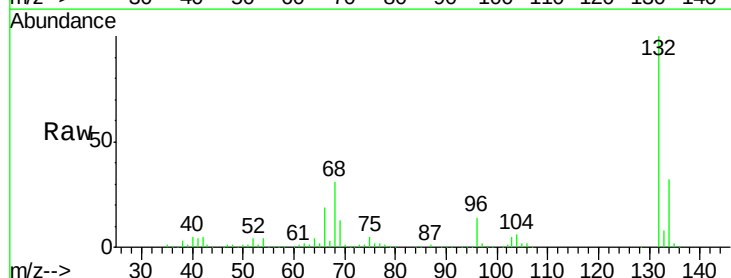
Tgt Ion: 77 Resp: 7536

Ion Ratio Lower Upper

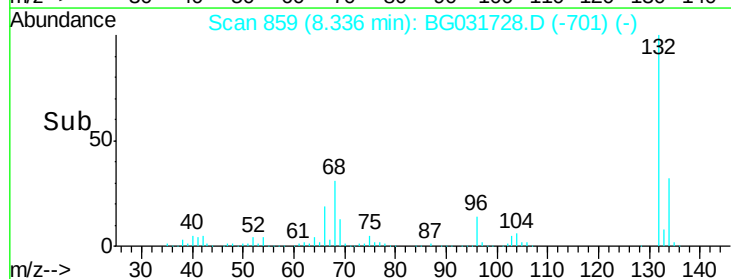
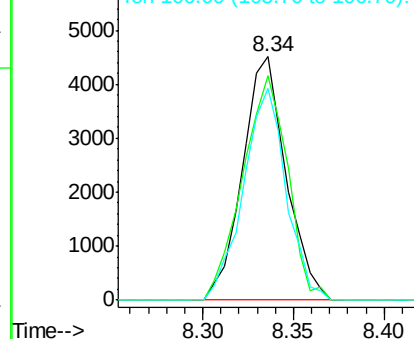
77 100

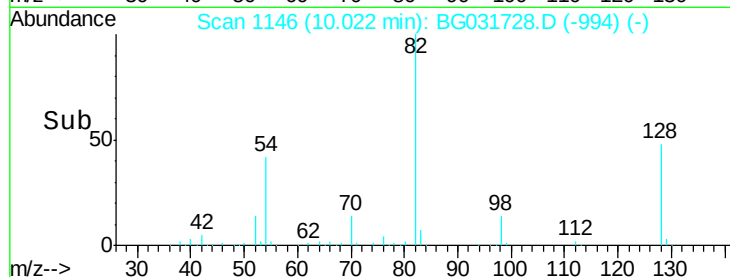
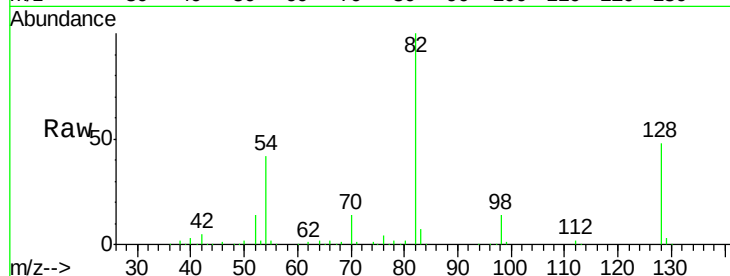
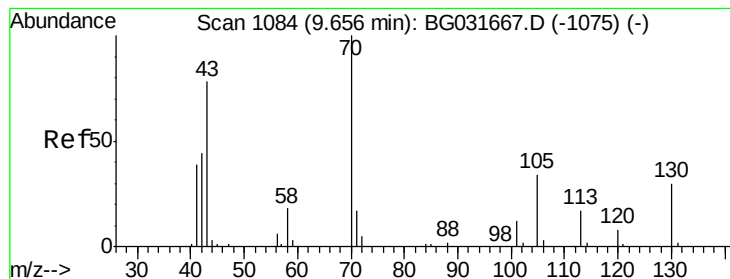
105 92.3 71.3 111.3

106 87.0 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: 14.263 ng

RT: 10.02 min Scan# 1146

Delta R.T. 0.37 min

Lab File: BG031728.D

Acq: 23 Dec 2017 1:40

Instrument :

BNA_G

ClientSampleId :

C-MW-11-121817

Tot Ion: 70 Resp: 36788

Ion Ratio Lower Upper

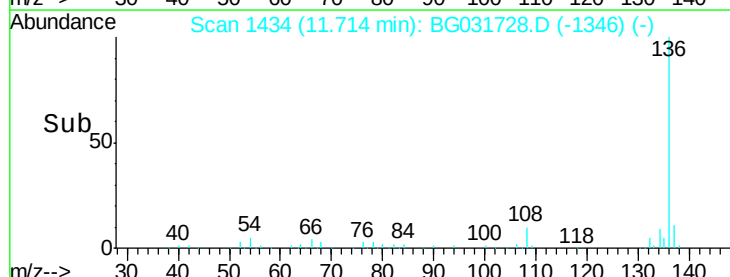
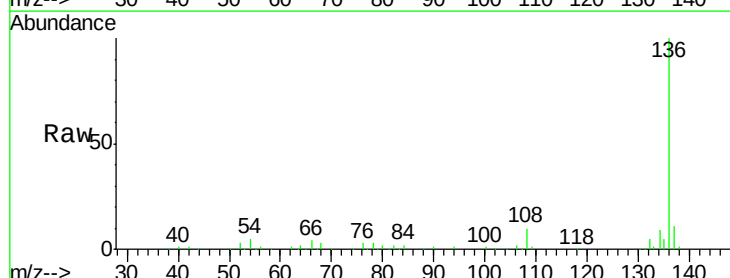
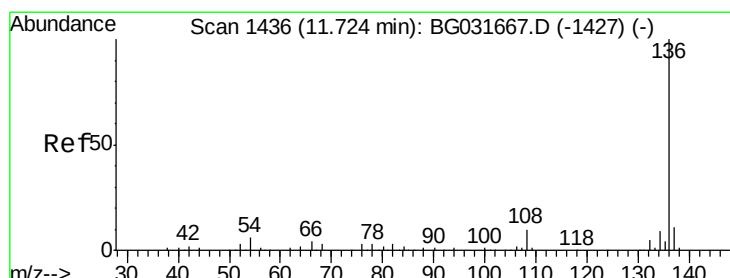
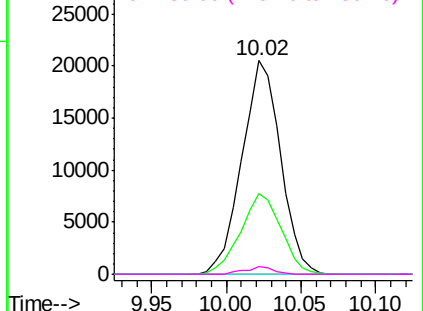
70 100

42 37.8 49.1 73.7#

101 0.0 8.5 12.7#

130 3.4 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: BG031728.D

Acq: 23 Dec 2017 1:40

Tgt Ion: 136 Resp: 217616

Ion Ratio Lower Upper

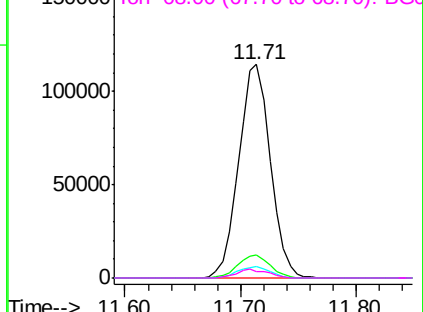
136 100

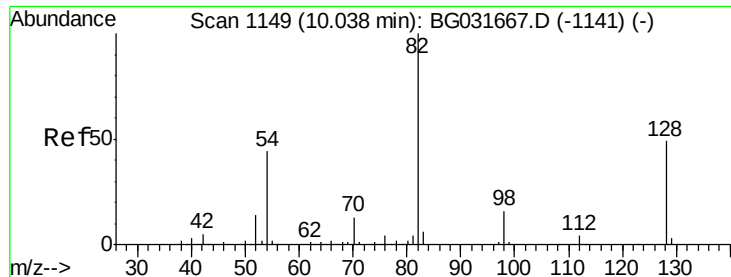
137 11.0 9.2 13.8

54 5.4 10.3 15.5#

68 3.2 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

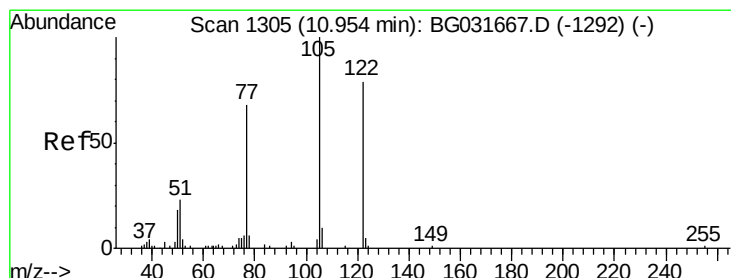
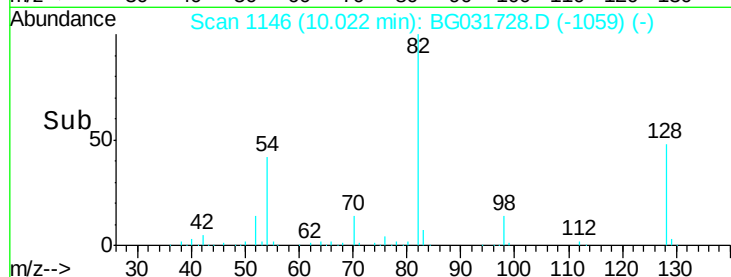
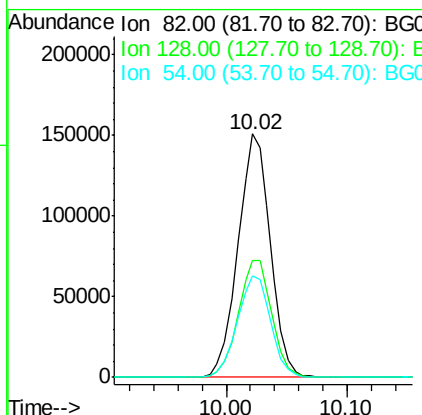
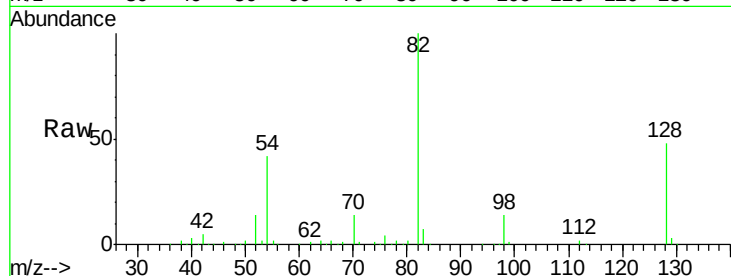




#23
Nitrobenzene-d5
Concen: 97.233 ng
RT: 10.02 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BG031728.D
Acq: 23 Dec 2017 1:40

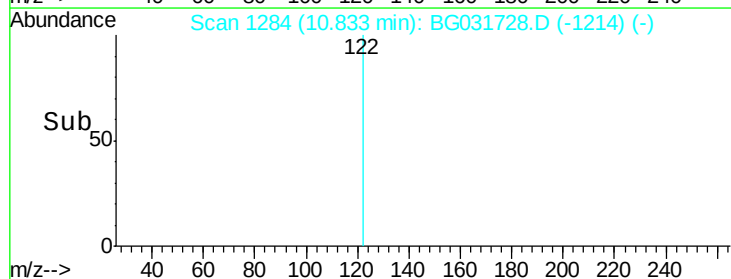
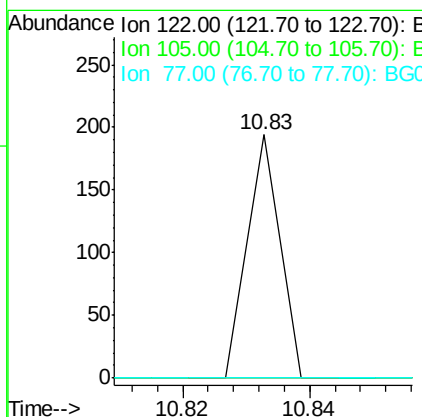
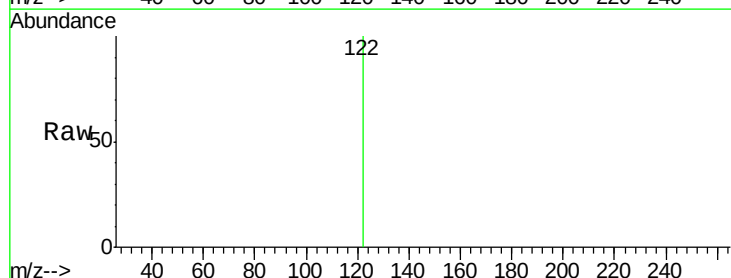
Instrument :
BNA_G
ClientSampleId :
C-MW-11-121817

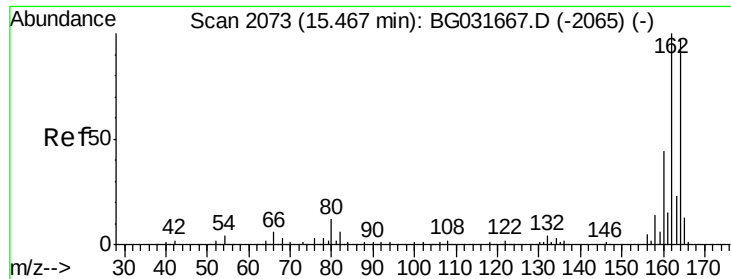
Tot Ion	82	Resp	280212
Ion Ratio	100	Lower	Upper
128	48.0	29.7	44.5#
54	41.8	43.1	64.7#



#32
Benzoic acid
Concen: 6.721 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.12 min
Lab File: BG031728.D
Acq: 23 Dec 2017 1:40

Tgt Ion	122	Resp	68
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.46 min Scan# 2071

Delta R.T. -0.01 min

Lab File: BG031728.D

Acq: 23 Dec 2017 1:40

Instrument :

BNA_G

ClientSampleId :

C-MW-11-121817

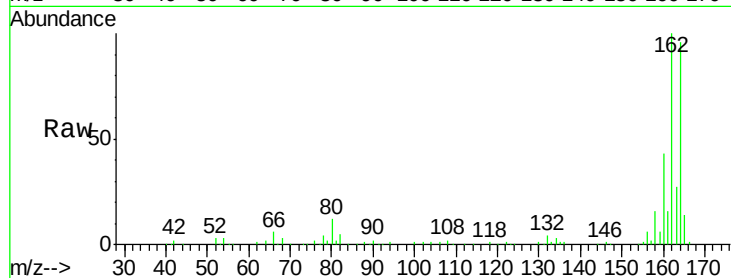
Tot Ion:164 Resp: 151661

Ion Ratio Lower Upper

164 100

162 104.0 78.8 118.2

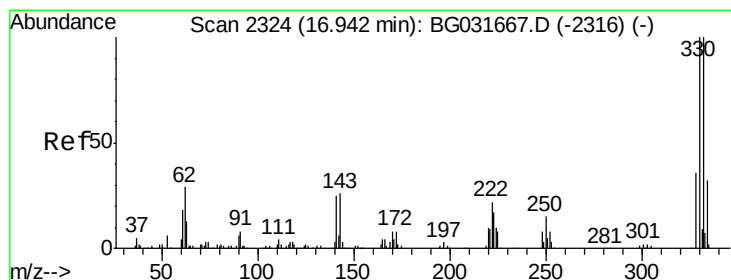
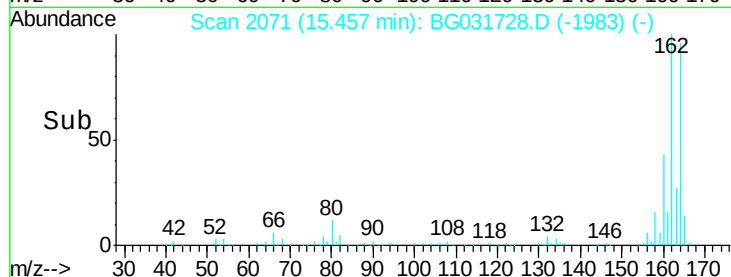
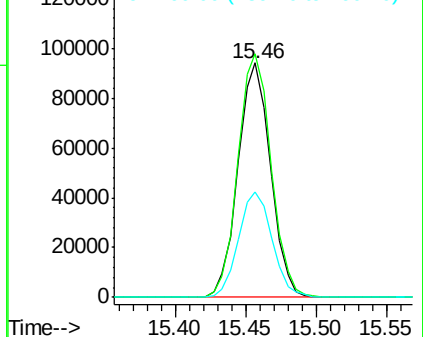
160 45.2 35.4 53.0



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: 154.382 ng

RT: 16.93 min Scan# 2322

Delta R.T. -0.01 min

Lab File: BG031728.D

Acq: 23 Dec 2017 1:40

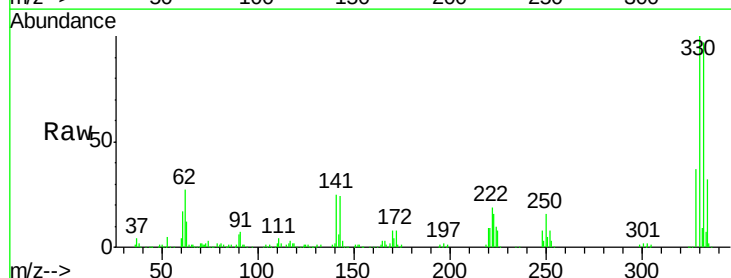
Tgt Ion:330 Resp: 357260

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

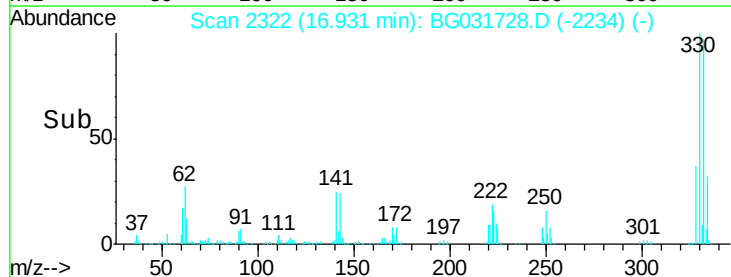
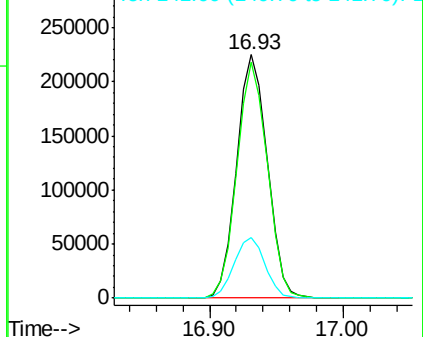
141 25.2 25.2 37.8

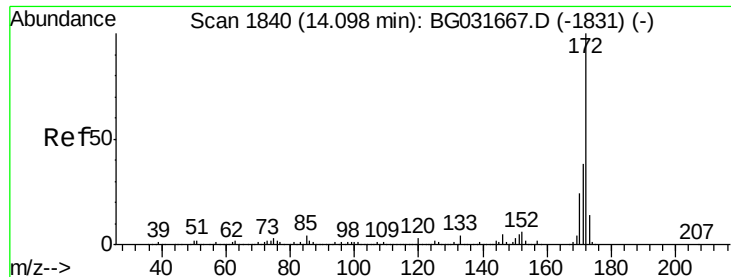


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



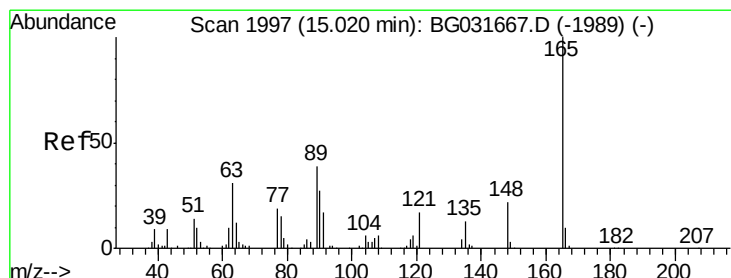
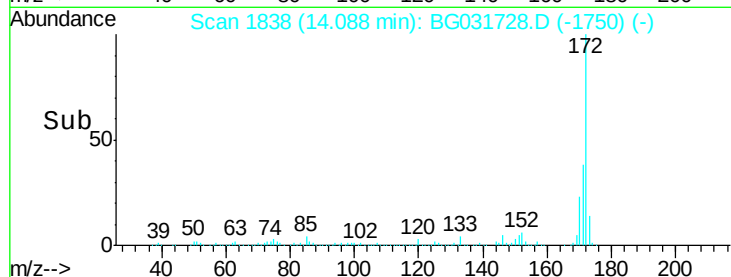
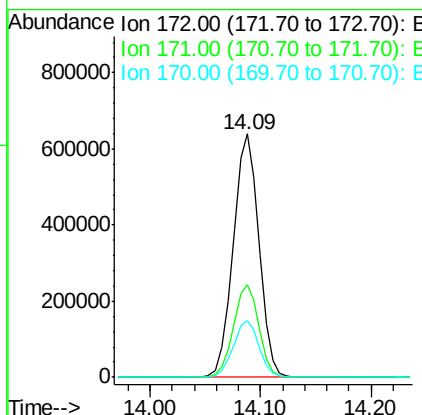
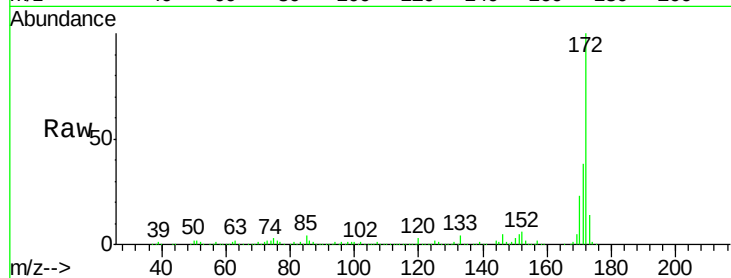


#44
 2-Fluorobiphenyl
 Concen: 86.065 ng
 RT: 14.09 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BG031728.D
 Acq: 23 Dec 2017 1:40

Instrument :
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 ClientSampleId :
 C-MW-11-121817

Tot Ion:172 Resp: 1039947

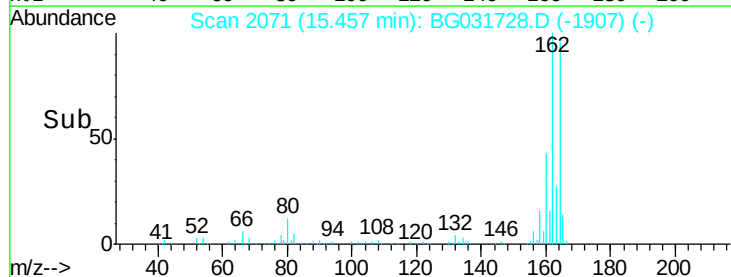
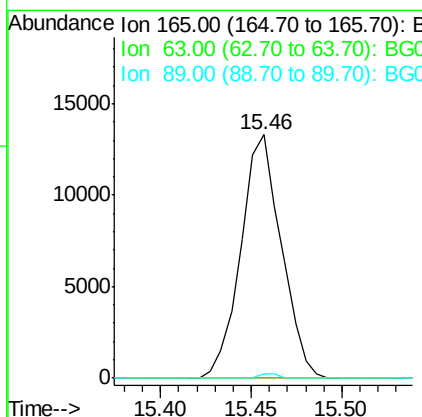
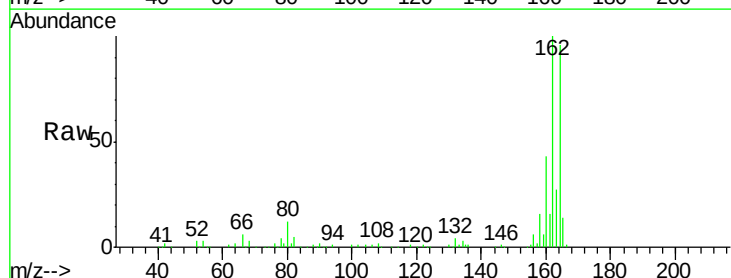
Ion	Ratio	Lower	Upper
172	100		
171	38.3	30.0	45.0
170	23.4	19.5	29.3

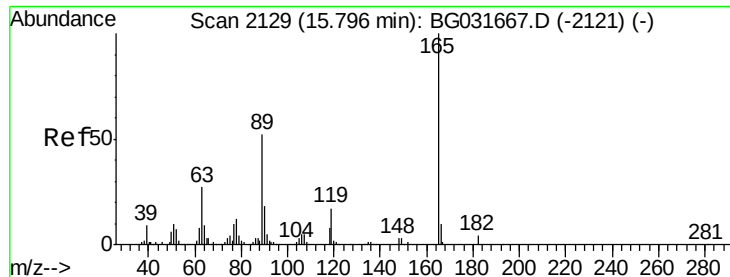


#50
 2,6-Dinitrotoluene
 Concen: 8.396 ng
 RT: 15.46 min Scan# 2071
 Delta R.T. 0.44 min
 Lab File: BG031728.D
 Acq: 23 Dec 2017 1:40

Tgt Ion:165 Resp: 20635

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: 6.529 ng

RT: 15.46 min Scan# 2071

Delta R.T. -0.34 min

Lab File: BG031728.D

Acq: 23 Dec 2017 1:40

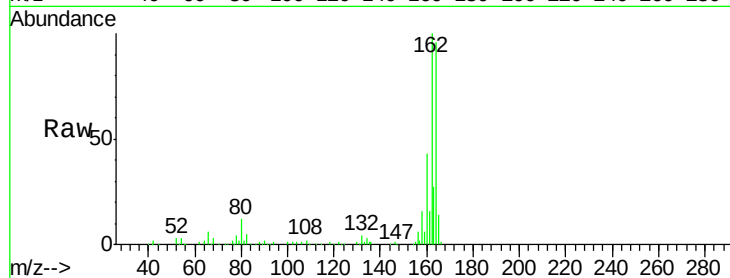
Instrument :

BNA_G

ClientSampleId :

C-MW-11-121817

Tot Ion:165	Resp:	20635
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#

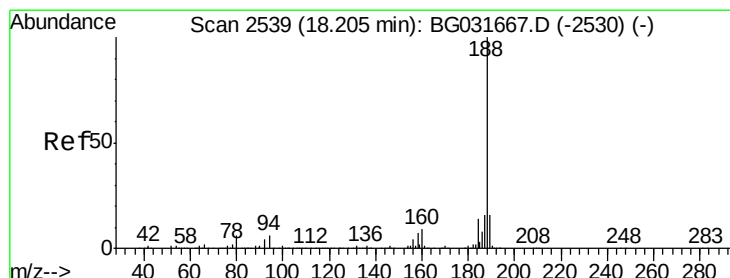
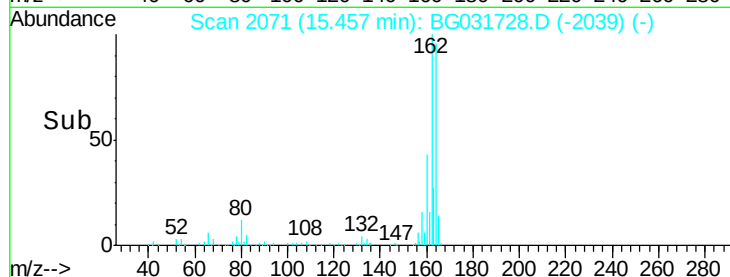
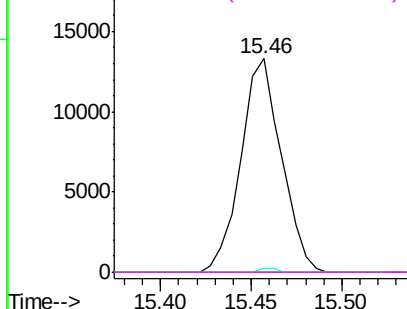


Abundance Ion 165.00 (164.70 to 165.70): E

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

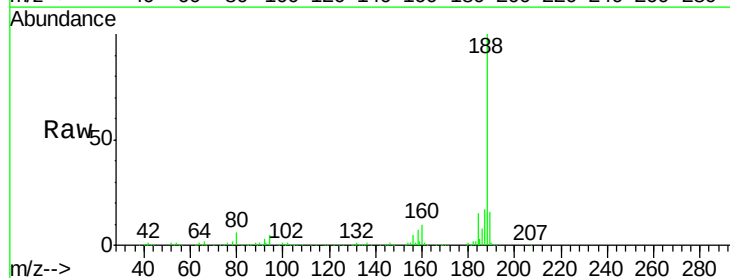
RT: 18.19 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BG031728.D

Acq: 23 Dec 2017 1:40

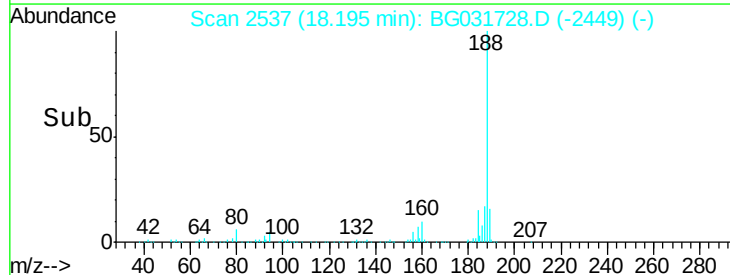
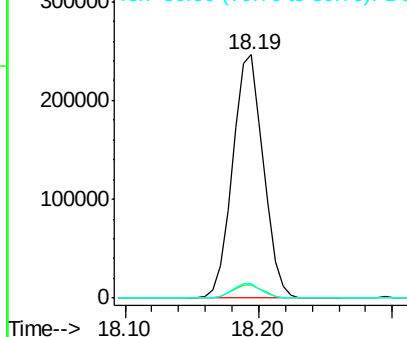
Tgt Ion:188	Resp:	393871
Ion Ratio	Lower	Upper
188	100	
94	5.3	6.9 10.3#
80	5.8	7.7 11.5#

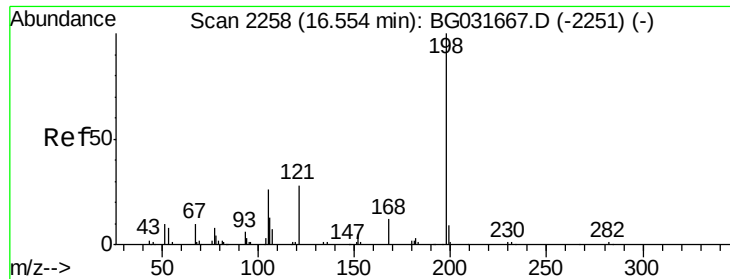


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

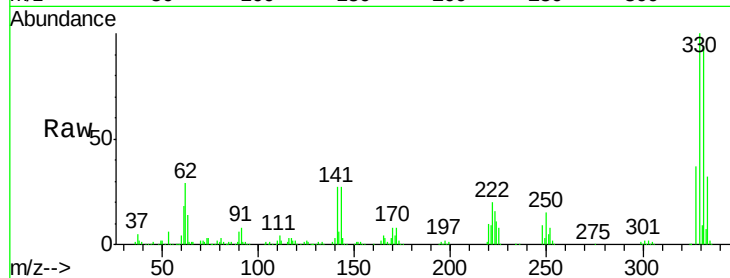




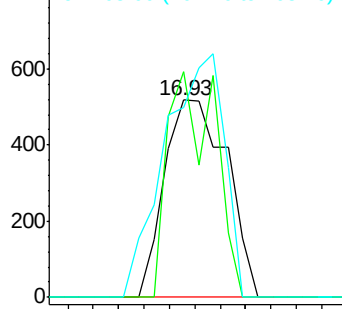
#64
4,6-Dinitro-2-methylphenol
Concen: 8.689 ng
RT: 16.93 min Scan# 2321
Delta R.T. 0.37 min
Lab File: BG031728.D
Acq: 23 Dec 2017 1:40

Instrument :
BNA_G
ClientSampleId :
C-MW-11-121817

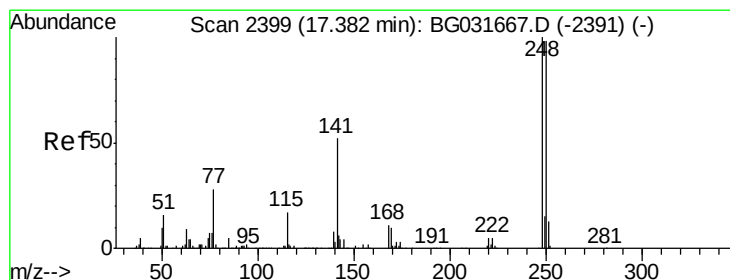
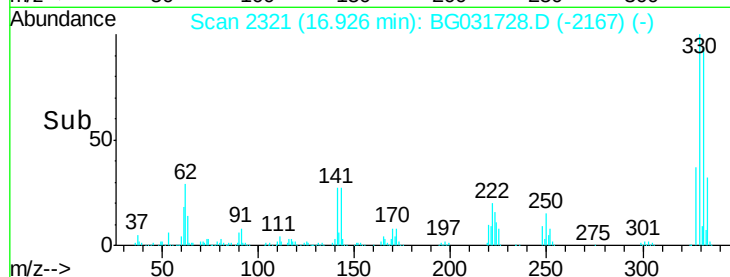
Tot Ion:198 Resp: 889
Ion Ratio Lower Upper
198 100
51 114.3 30.6 70.6#
105 96.5 23.8 63.8#



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

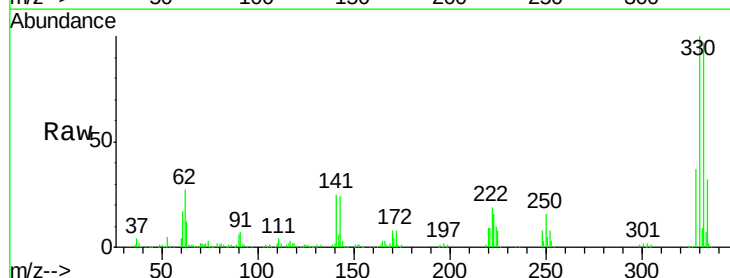


Time-->

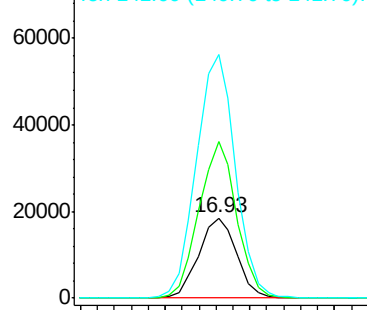


#66
4-Bromophenyl-phenylether
Concen: 5.090 ng
RT: 16.93 min Scan# 2322
Delta R.T. -0.45 min
Lab File: BG031728.D
Acq: 23 Dec 2017 1:40

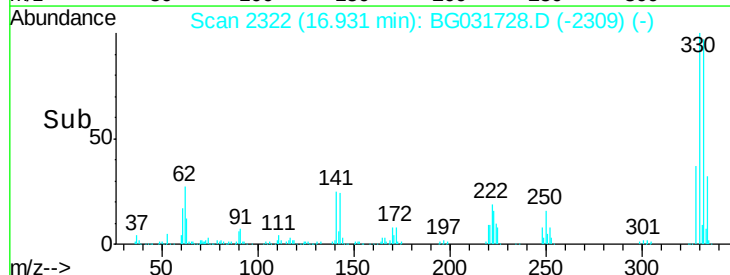
Tgt Ion:248 Resp: 28988
Ion Ratio Lower Upper
248 100
250 196.5 77.1 115.7#
141 304.3 50.8 76.2#

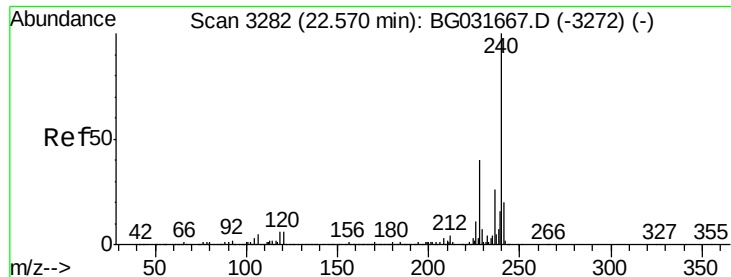


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E



Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3278

Delta R.T. -0.02 min

Lab File: BG031728.D

Acq: 23 Dec 2017 1:40

Instrument :

BNA_G

ClientSampleId :

C-MW-11-121817

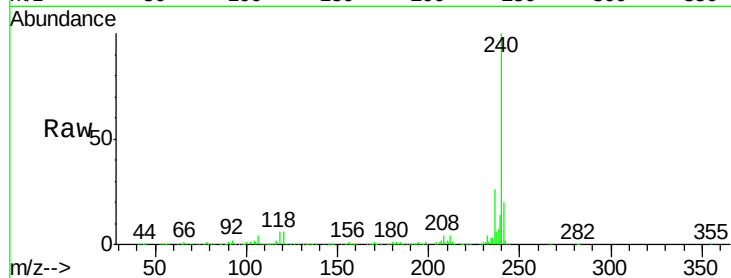
Tot Ion:240 Resp: 451640

Ion Ratio Lower Upper

240 100

120 6.3 6.8 10.2#

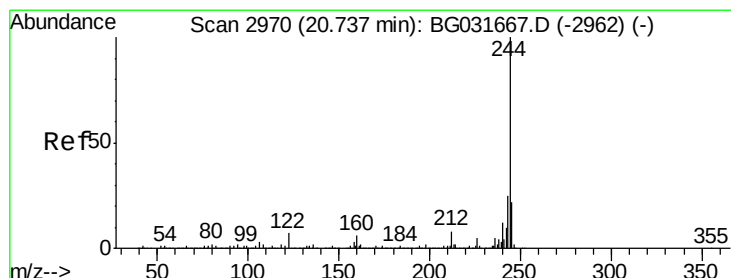
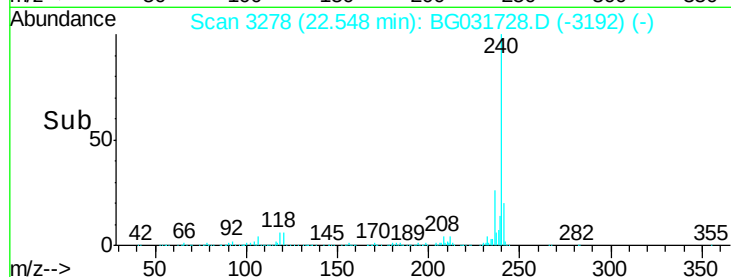
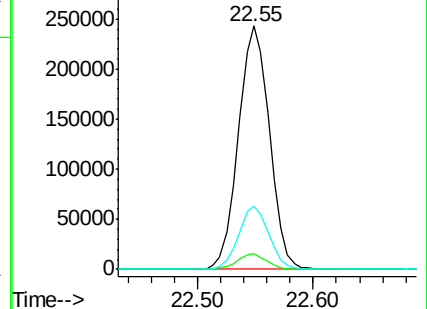
236 25.7 20.9 31.3



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: 93.708 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BG031728.D

Acq: 23 Dec 2017 1:40

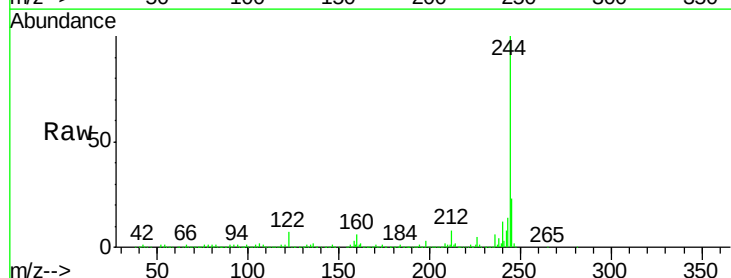
Tgt Ion:244 Resp: 1852472

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

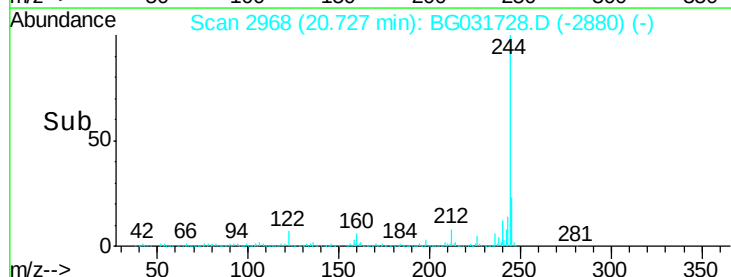
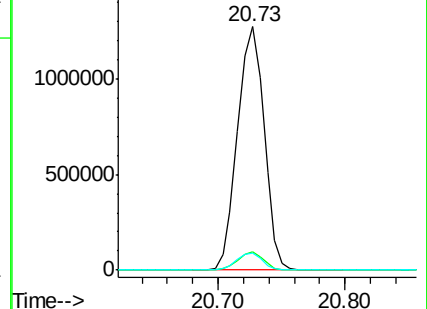
122 7.0 7.0 10.4

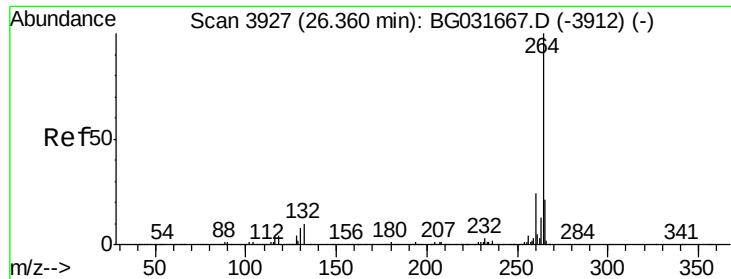


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

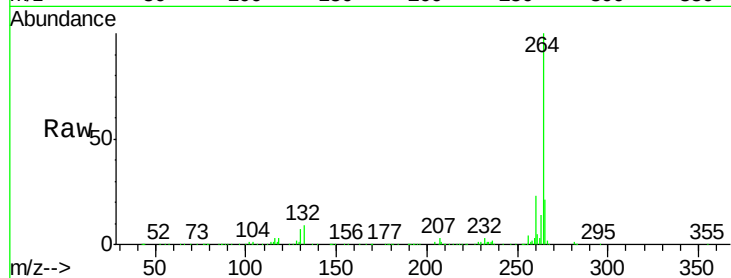




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.33 min Scan# 3922
 Delta R.T. -0.03 min
 Lab File: BG031728.D
 Acq: 23 Dec 2017 1:40

Instrument :
 BNA_G
 ClientSampleId :
 C-MW-11-121817

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	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

