

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011618\
 Data File : BG032097.D
 Acq On : 17 Jan 2018 8:34
 Operator : SJ/JU
 Sample : J1019-08
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-011218-B

Quant Time: Jan 17 10:42:56 2018
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 15 10:05:15 2018
 Response via : Initial Calibration

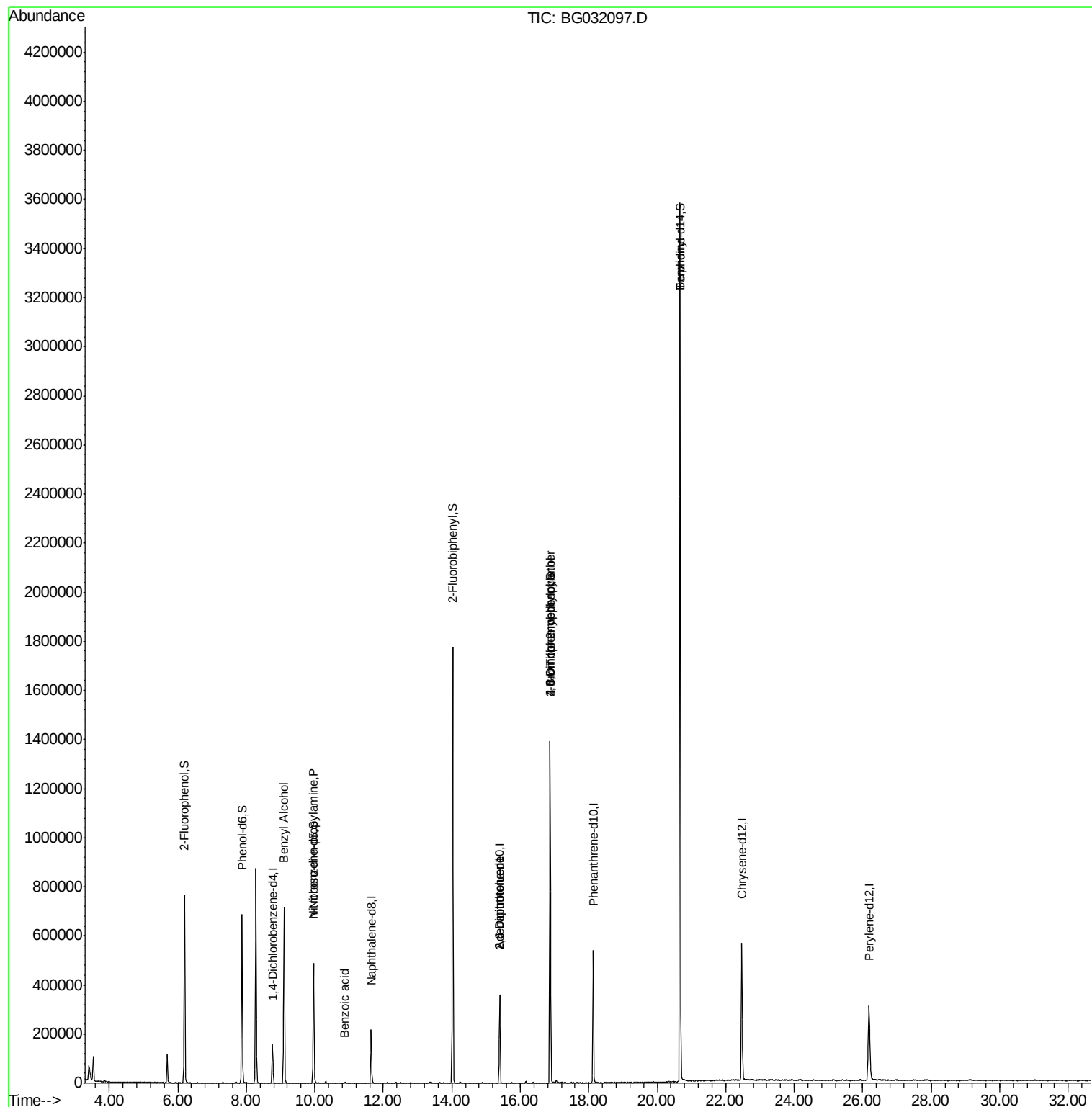
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.77	152	52805	20.00	ng	0.00
21) Naphthalene-d8	11.65	136	205251	20.00	ng	-0.01
38) Acenaphthene-d10	15.40	164	138505	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	362037	20.00	ng	-0.01
75) Chrysene-d12	22.46	240	439410	20.00	ng	-0.02
86) Perylene-d12	26.18	264	442482	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.20	112	391819	135.71	ng	0.00
7) Phenol-d6	7.88	99	440586	121.16	ng	0.00
23) Nitrobenzene-d5	9.97	82	324000	106.80	ng	0.00
41) 2,4,6-Tribromophenol	16.87	330	320250	139.73	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	1087318	97.34	ng	0.00
78) Terphenyl-d14	20.67	244	2006169	100.81	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.10	79	5651	2.139	ng	# 16
19) n-Nitroso-di-n-propylamine	9.97	70	45055	19.970	ng	# 73
32) Benzoic acid	10.88	122	77	5.286	ng	# 1
50) 2,6-Dinitrotoluene	15.40	165	19347	7.690	ng	# 20
56) 2,4-Dinitrotoluene	15.40	165	19347	5.712	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.88	198	784	5.188	ng	# 32
66) 4-Bromophenyl-phenylether	16.87	248	27030	5.247	ng	# 1
76) Benzidine	20.66	184	28603	2.603	ng	# 88

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

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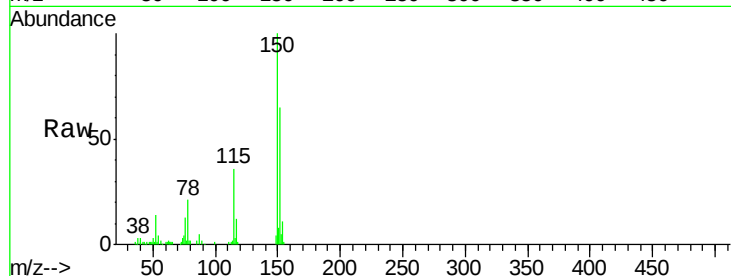


#1

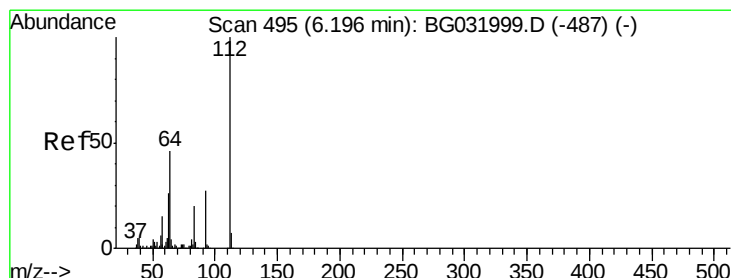
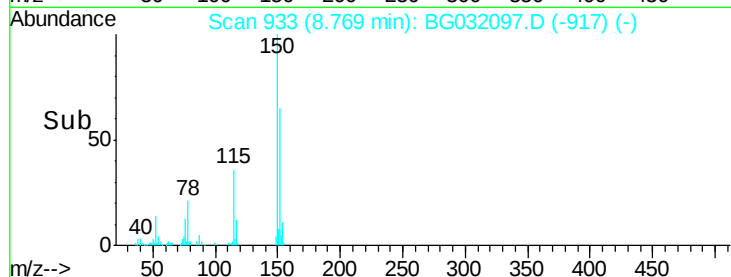
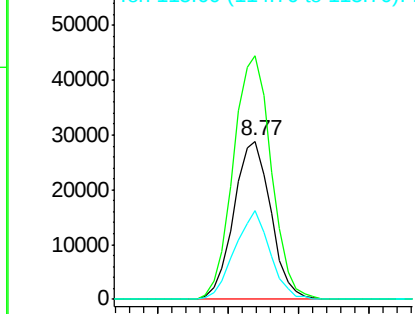
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.77 min Scan# 933
Delta R.T. -0.01 min
Lab File: BG032097.D
Acq: 17 Jan 2018 8:34

Instrument :
BNA_G
ClientSampleId :
EO-02-011218-B

Tgt Ion:152 Resp: 52805
Ion Ratio Lower Upper
152 100
150 154.1 126.6 189.8
115 56.1 53.0 79.4



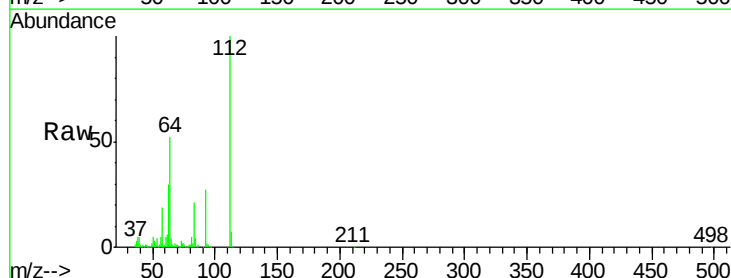
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



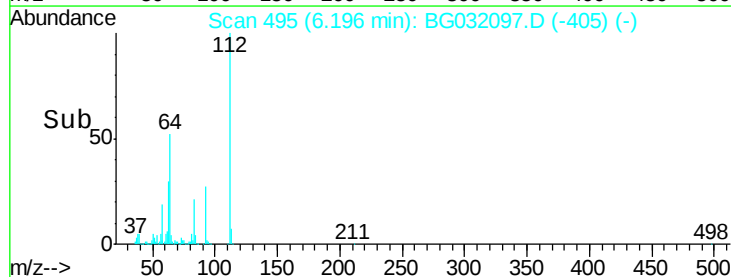
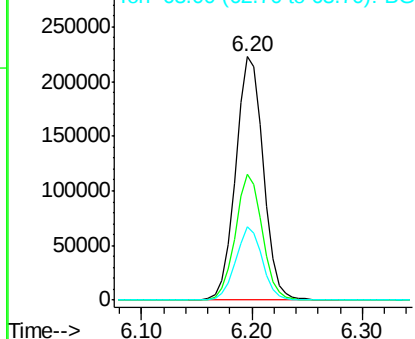
#5

2-Fluorophenol
Concen: 135.709 ng
RT: 6.20 min Scan# 495
Delta R.T. 0.00 min
Lab File: BG032097.D
Acq: 17 Jan 2018 8:34

Tgt Ion:112 Resp: 391819
Ion Ratio Lower Upper
112 100
64 51.6 56.3 84.5#
63 30.0 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: 121.165 ng

RT: 7.88 min Scan# 781

Delta R.T. 0.00 min

Lab File: BG032097.D

Acq: 17 Jan 2018 8:34

Instrument :

BNA_G

ClientSampleId :

EO-02-011218-B

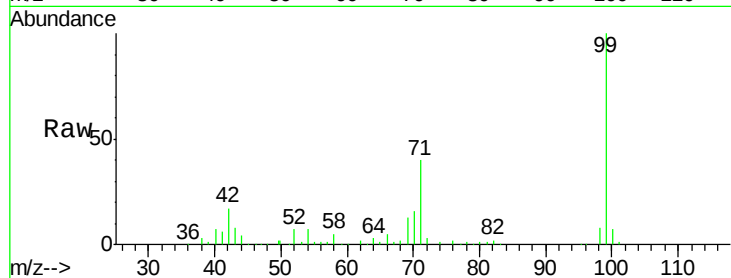
Tgt Ion: 99 Resp: 440586

Ion Ratio Lower Upper

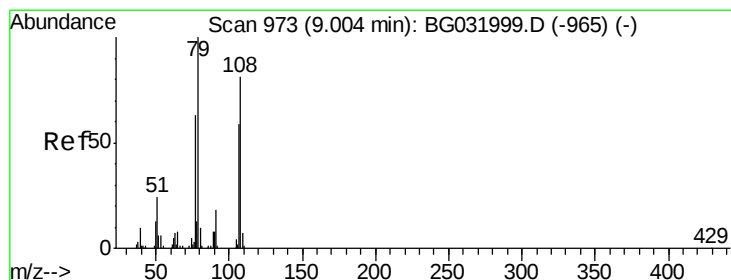
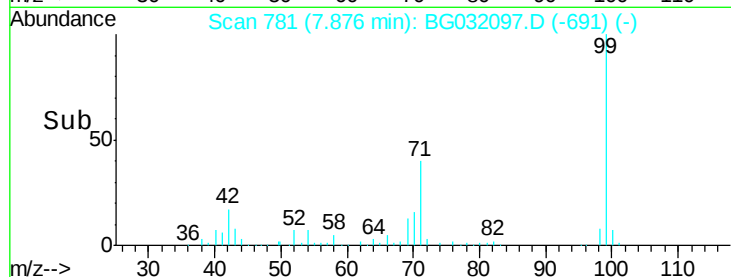
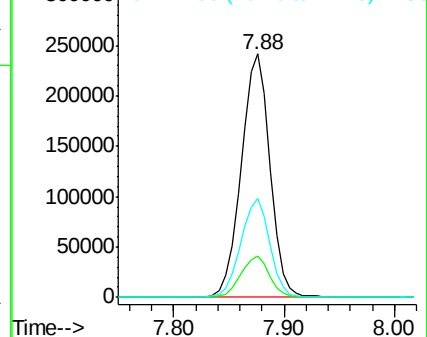
99 100

42 17.2 14.1 21.1

71 40.5 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



#15

Benzyl Alcohol

Concen: 2.139 ng

RT: 9.10 min Scan# 990

Delta R.T. 0.10 min

Lab File: BG032097.D

Acq: 17 Jan 2018 8:34

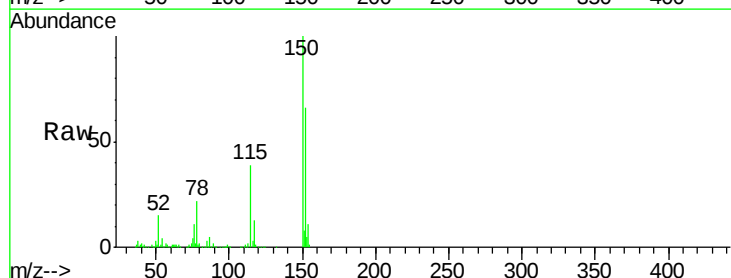
Tgt Ion: 79 Resp: 5651

Ion Ratio Lower Upper

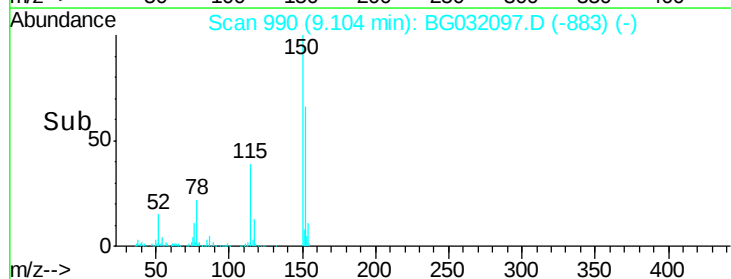
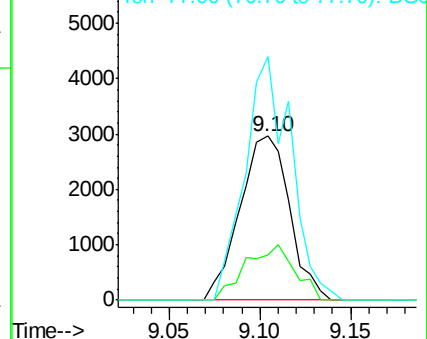
79 100

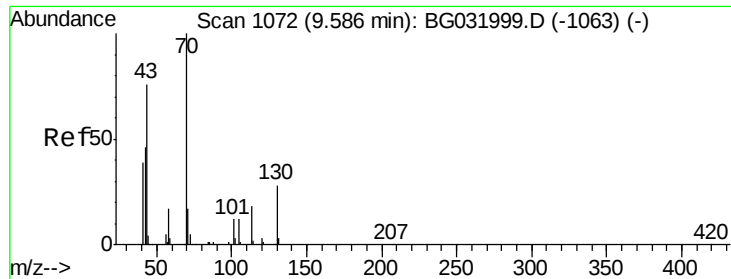
108 27.7 57.2 85.8#

77 148.8 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

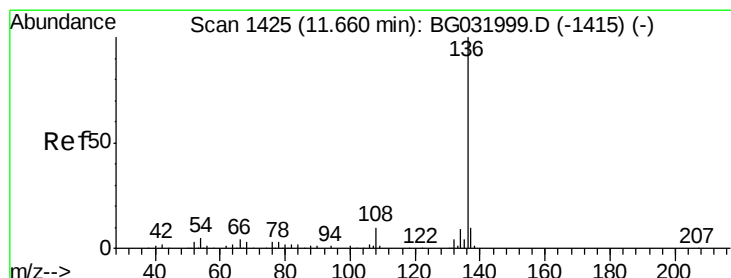
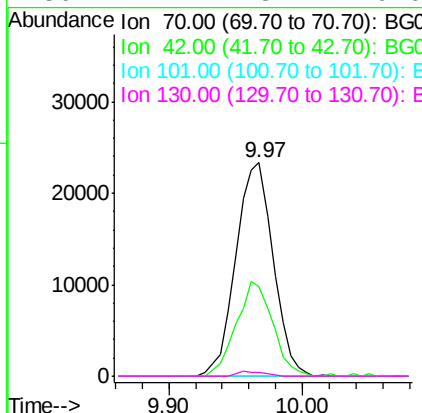
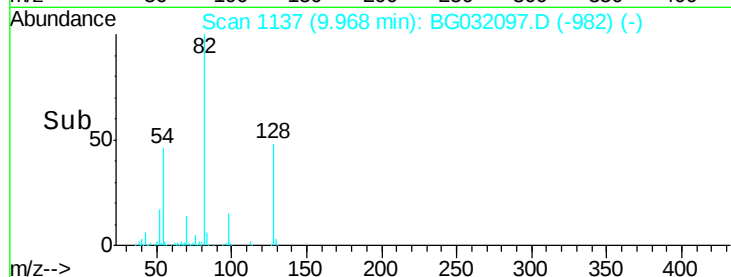
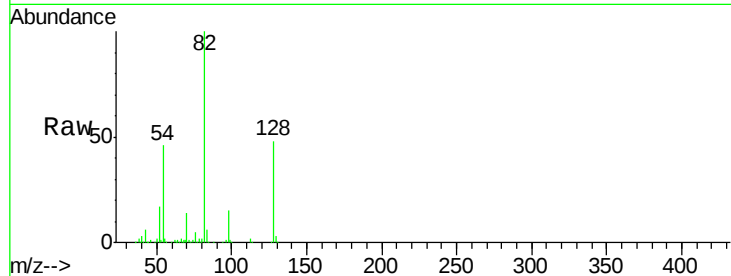




#19
n-Nitroso-di-n-propylamine
Concen: 19.970 ng
RT: 9.97 min Scan# 1137
Delta R.T. 0.38 min
Lab File: BG032097.D
Acq: 17 Jan 2018 8:34

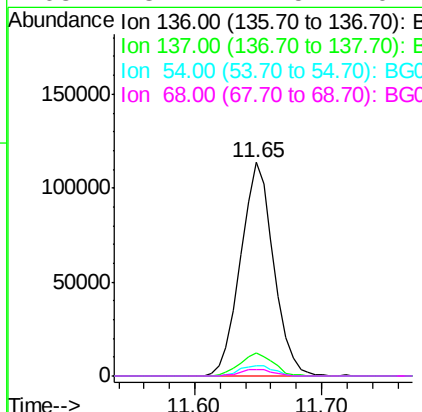
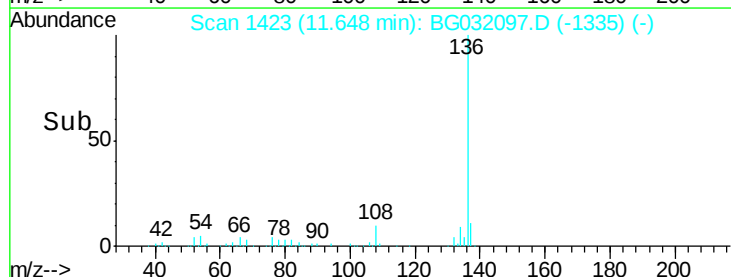
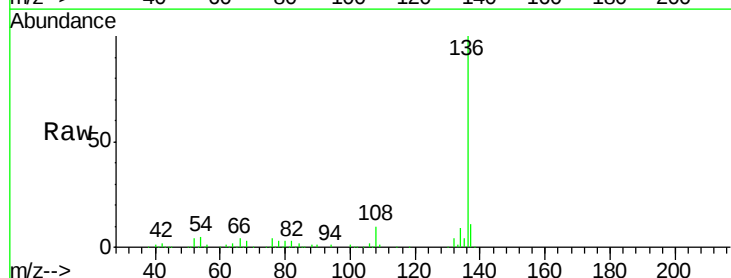
Instrument :
BNA_G
ClientSampleId :
EO-02-011218-B

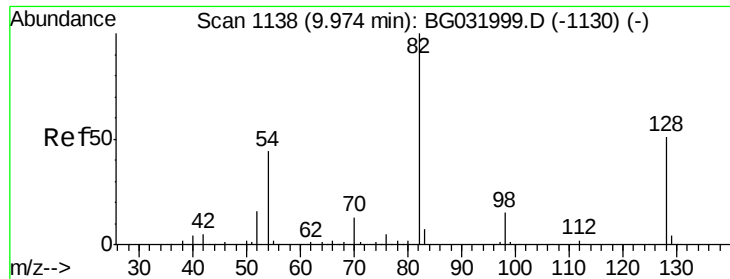
Tgt Ion: 70 Resp: 45055
Ion Ratio Lower Upper
70 100
42 42.1 49.1 73.7#
101 0.0 8.5 12.7#
130 2.1 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BG032097.D
Acq: 17 Jan 2018 8:34

Tgt Ion: 136 Resp: 205251
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 5.0 10.3 15.5#
68 3.1 4.5 6.7#

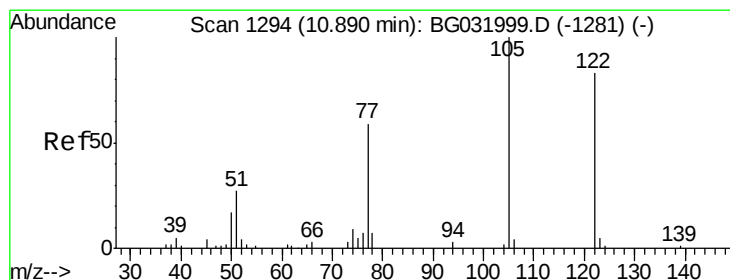
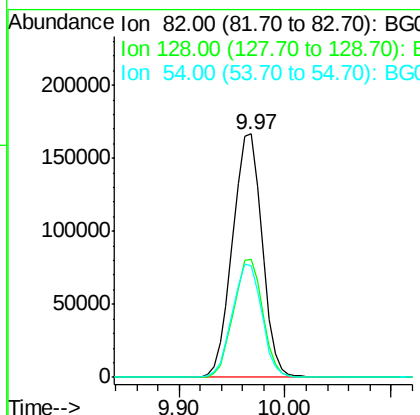
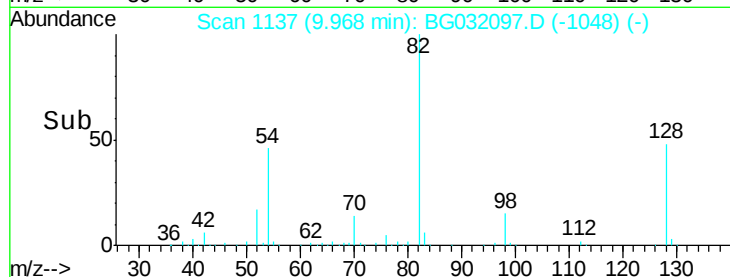
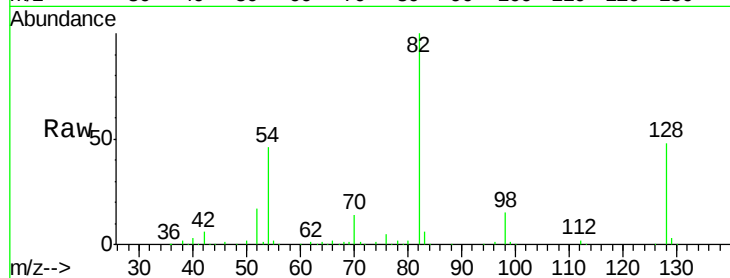




#23
 Nitrobenzene-d5
 Concen: 106.796 ng
 RT: 9.97 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: BG032097.D
 Acq: 17 Jan 2018 8:34

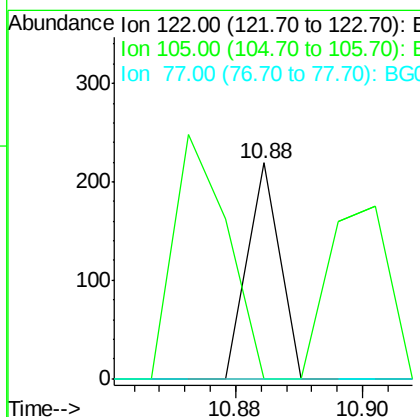
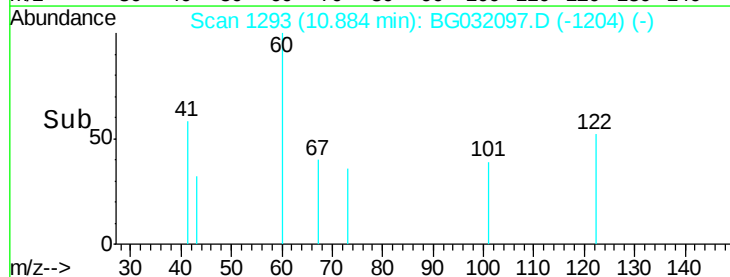
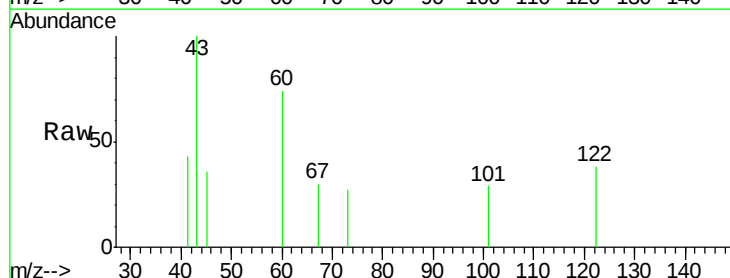
Instrument :
 BNA_G
 ClientSampleId :
 EO-02-011218-B

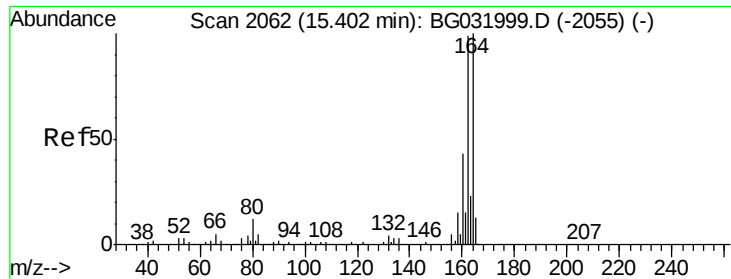
Tgt Ion: 82 Resp: 324000
 Ion Ratio Lower Upper
 82 100
 128 48.3 29.7 44.5#
 54 45.8 43.1 64.7



#32
 Benzoic acid
 Concen: 5.286 ng
 RT: 10.88 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BG032097.D
 Acq: 17 Jan 2018 8:34

Tgt Ion: 122 Resp: 77
 Ion Ratio Lower Upper
 122 100
 105 0.0 123.5 163.5#
 77 0.0 85.7 125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.40 min Scan# 2061

Delta R.T. -0.01 min

Lab File: BG032097.D

Acq: 17 Jan 2018 8:34

Instrument :

BNA_G

ClientSampleId :

EO-02-011218-B

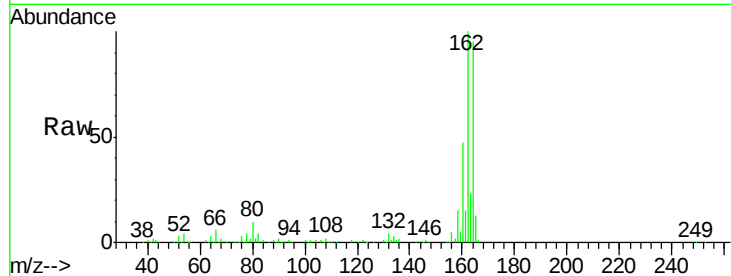
Tgt Ion:164 Resp: 138505

Ion Ratio Lower Upper

164 100

162 104.8 78.8 118.2

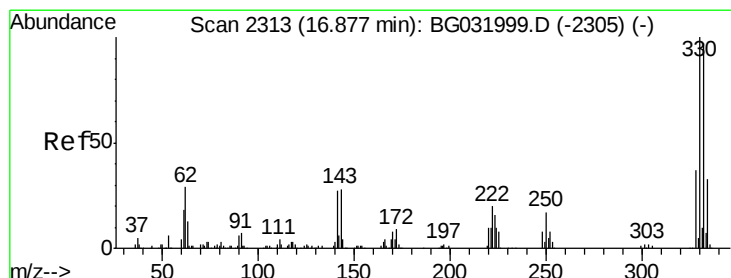
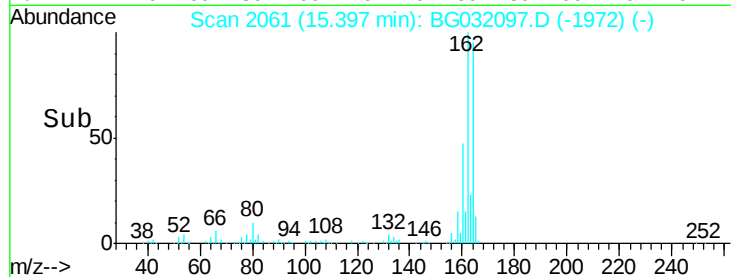
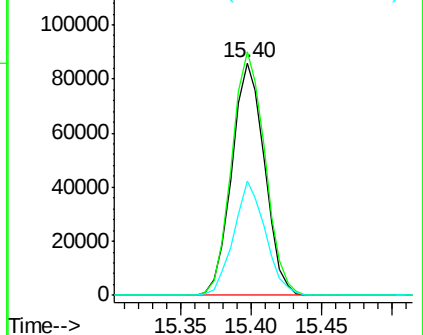
160 49.1 35.4 53.0



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: 139.729 ng

RT: 16.87 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BG032097.D

Acq: 17 Jan 2018 8:34

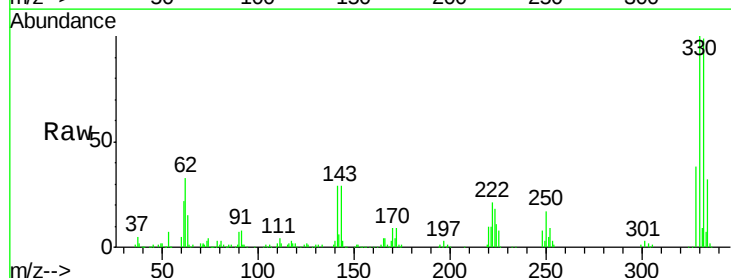
Tgt Ion:330 Resp: 320250

Ion Ratio Lower Upper

330 100

332 98.2 77.0 115.6

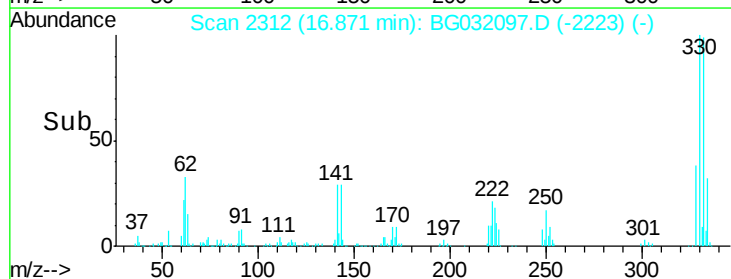
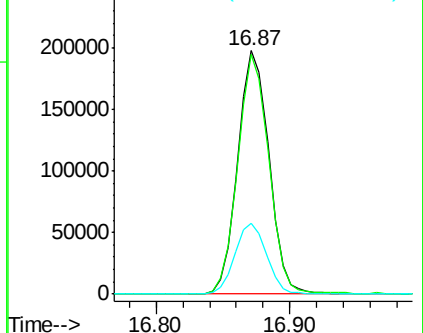
141 29.5 25.2 37.8

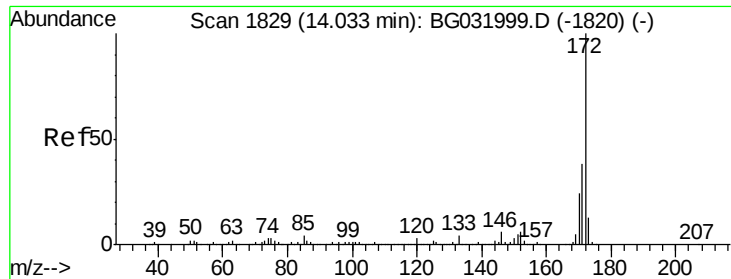


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

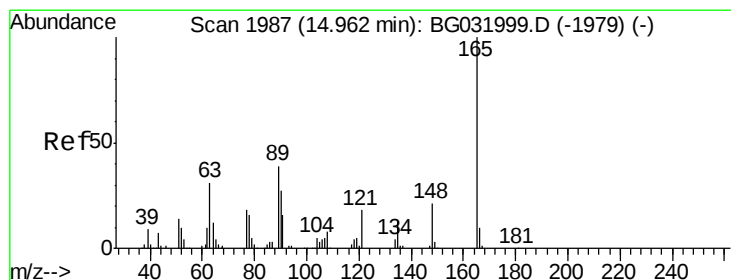
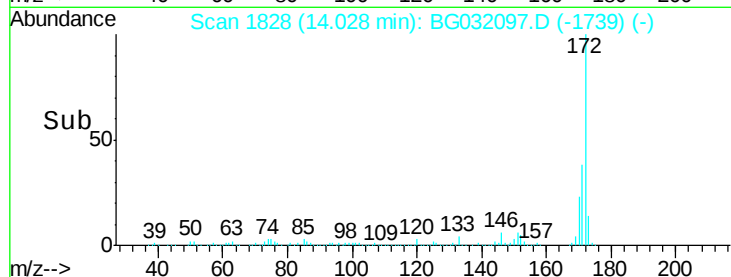
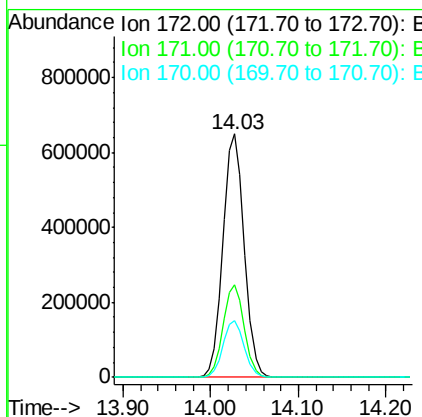
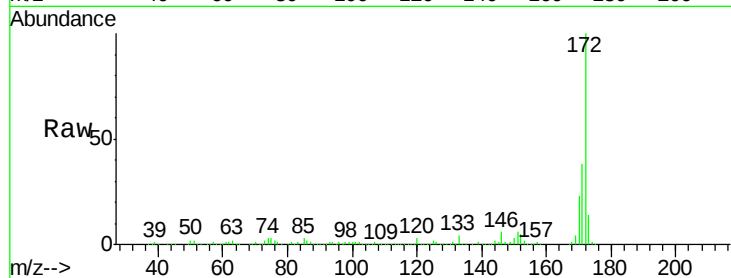




#44
 2-Fluorobiphenyl
 Concen: 97.341 ng
 RT: 14.03 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BG032097.D
 Acq: 17 Jan 2018 8:34

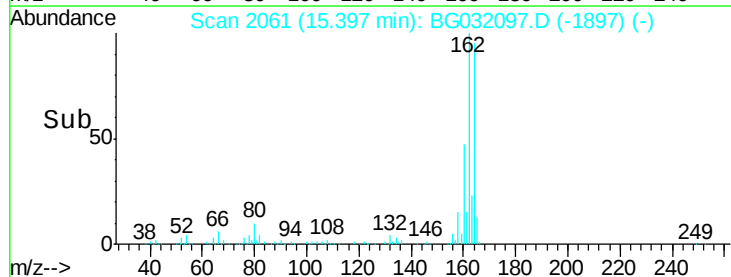
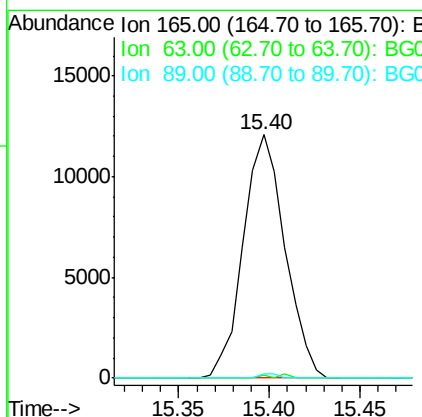
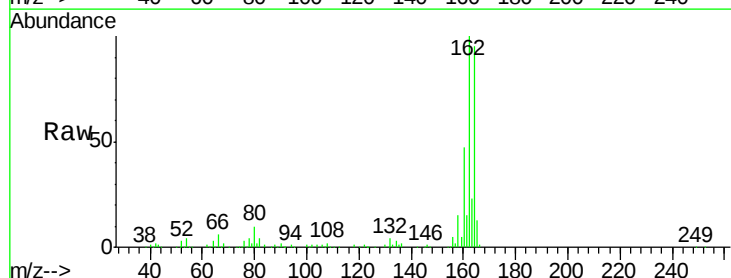
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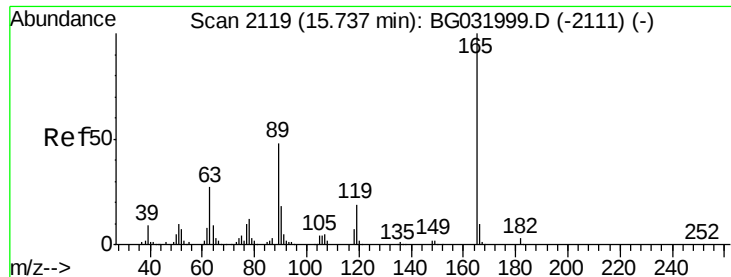
Tgt Ion:172 Resp: 1087318
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.0 45.0
 170 23.4 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.690 ng
 RT: 15.40 min Scan# 2061
 Delta R.T. 0.43 min
 Lab File: BG032097.D
 Acq: 17 Jan 2018 8:34

Tgt Ion:165 Resp: 19347
 Ion Ratio Lower Upper
 165 100
 63 1.3 52.7 79.1#
 89 1.7 49.2 73.8#

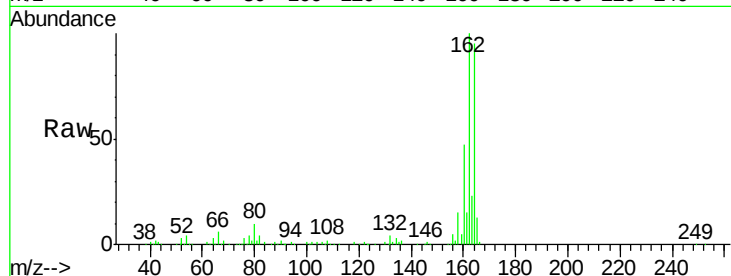




#56
 2,4-Dinitrotoluene
 Concen: 5.712 ng
 RT: 15.40 min Scan# 2061
 Delta R.T. -0.34 min
 Lab File: BG032097.D
 Acq: 17 Jan 2018 8:34

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-011218-B

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.0	63.0#
89	1.7	66.9	100.3#
182	0.0	2.6	3.8#

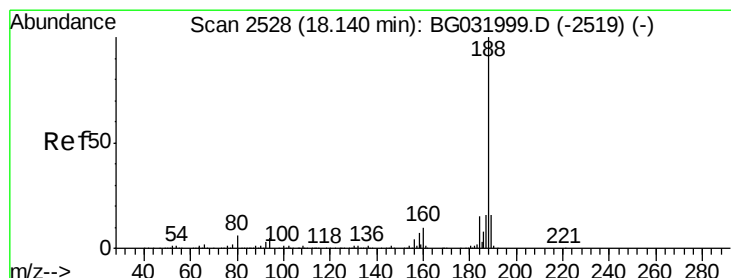
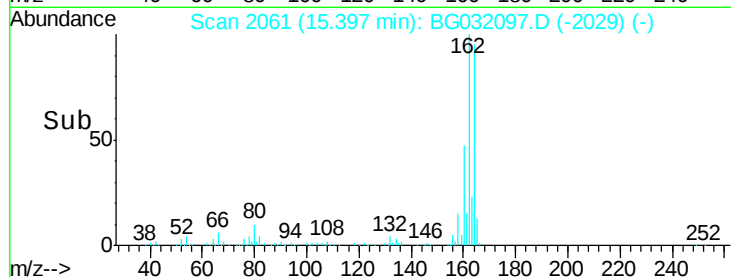
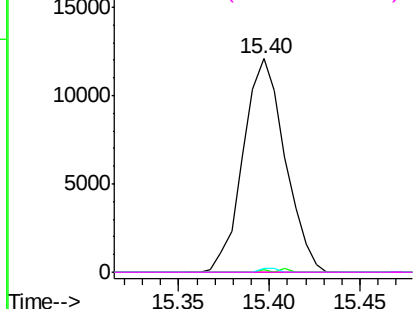


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

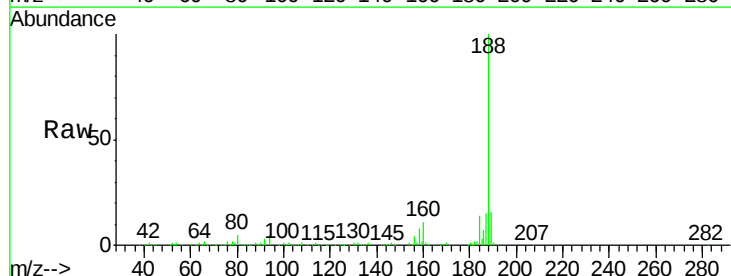
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.13 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BG032097.D
 Acq: 17 Jan 2018 8:34

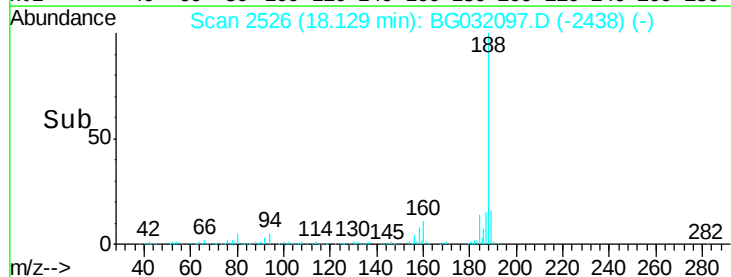
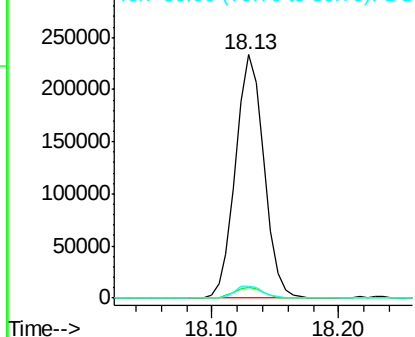
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.6	6.9	10.3#
80	4.9	7.7	11.5#

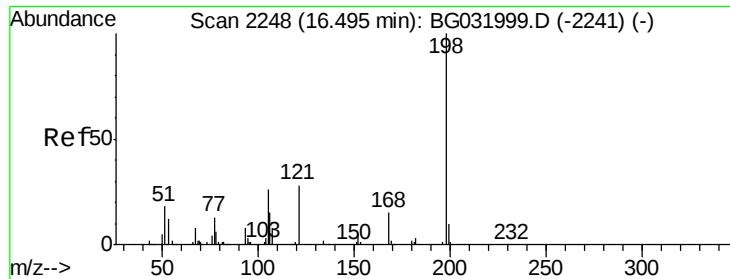


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

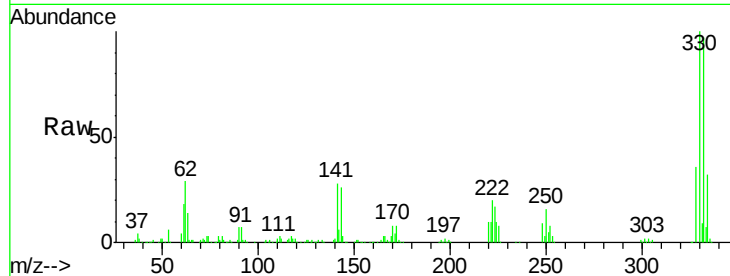




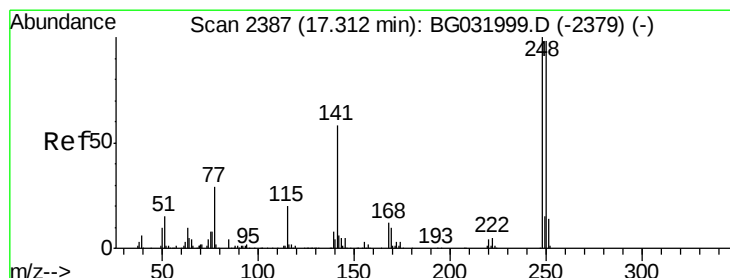
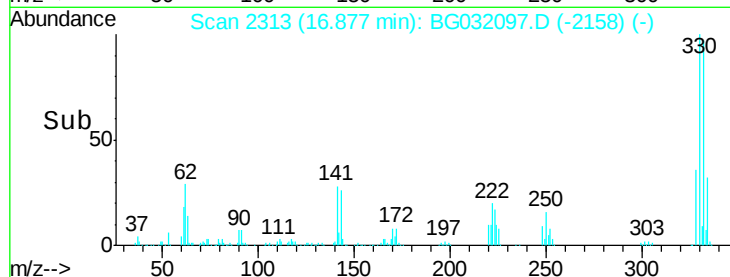
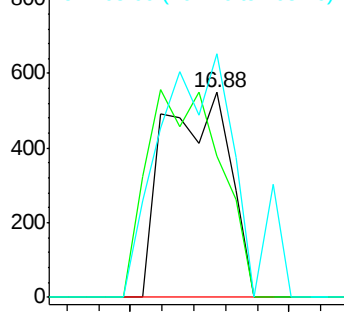
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.188 ng
 RT: 16.88 min Scan# 2313
 Delta R.T. 0.38 min
 Lab File: BG032097.D
 Acq: 17 Jan 2018 8:34

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-011218-B

Tgt Ion:198 Resp: 784
 Ion Ratio Lower Upper
 198 100
 51 68.7 30.6 70.6
 105 118.7 23.8 63.8#

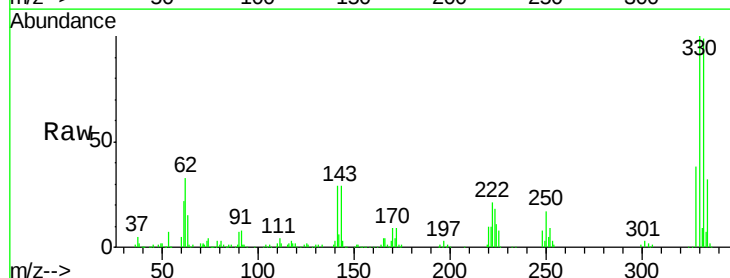


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

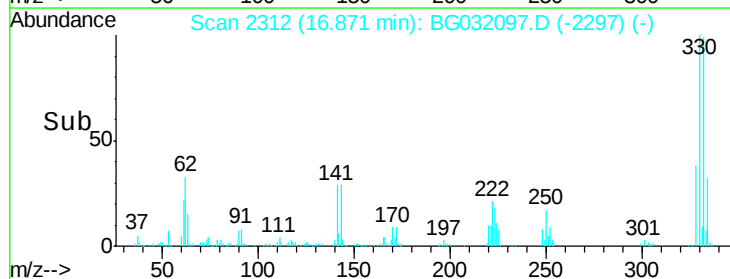
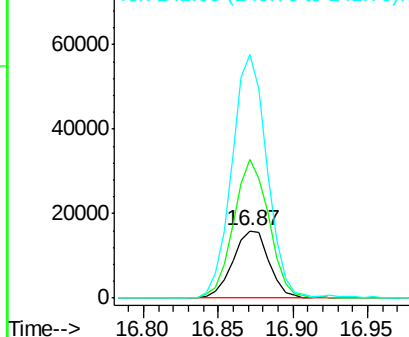


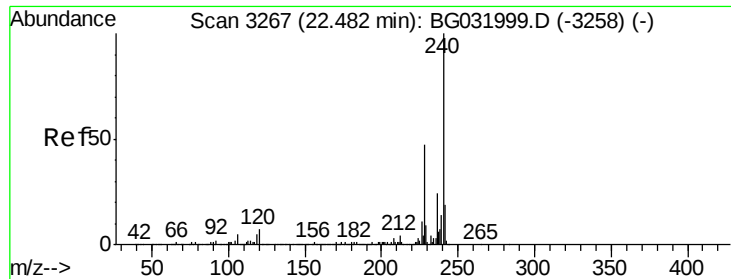
#66
 4-Bromophenyl-phenylether
 Concen: 5.247 ng
 RT: 16.87 min Scan# 2312
 Delta R.T. -0.44 min
 Lab File: BG032097.D
 Acq: 17 Jan 2018 8:34

Tgt Ion:248 Resp: 27030
 Ion Ratio Lower Upper
 248 100
 250 205.0 77.1 115.7#
 141 360.2 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: 22.46 min Scan# 3264

Delta R.T. -0.02 min

Lab File: BG032097.D

Acq: 17 Jan 2018 8:34

Instrument :

BNA_G

ClientSampleId :

EO-02-011218-B

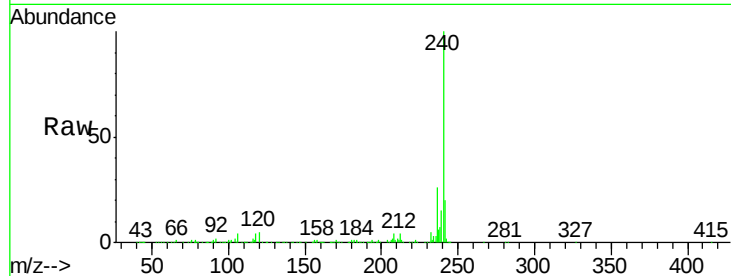
Tgt Ion:240 Resp: 439410

Ion Ratio Lower Upper

240 100

120 5.1 6.8 10.2#

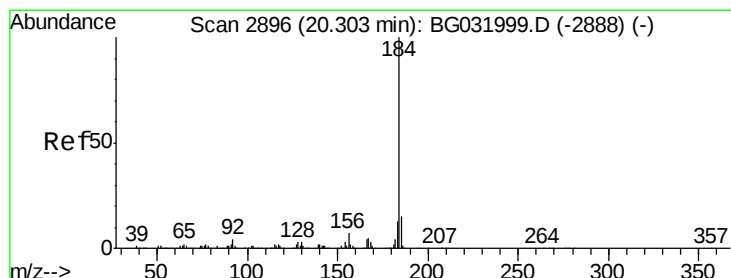
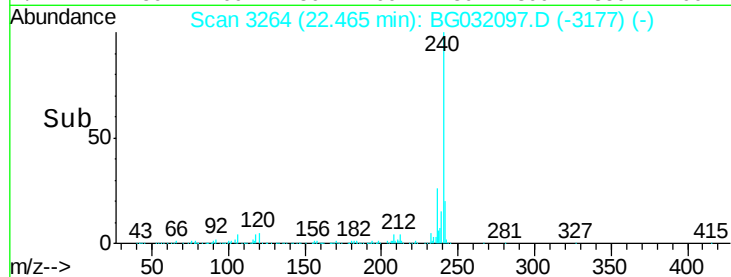
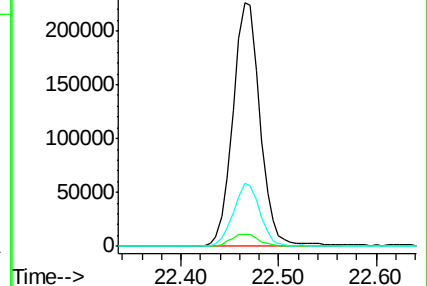
236 26.1 20.9 31.3



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



#76

Benzidine

Concen: 2.603 ng

RT: 20.66 min Scan# 2957

Delta R.T. 0.36 min

Lab File: BG032097.D

Acq: 17 Jan 2018 8:34

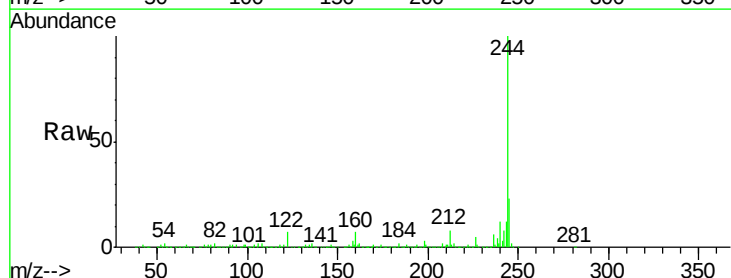
Tgt Ion:184 Resp: 28603

Ion Ratio Lower Upper

184 100

185 20.9 11.1 16.7#

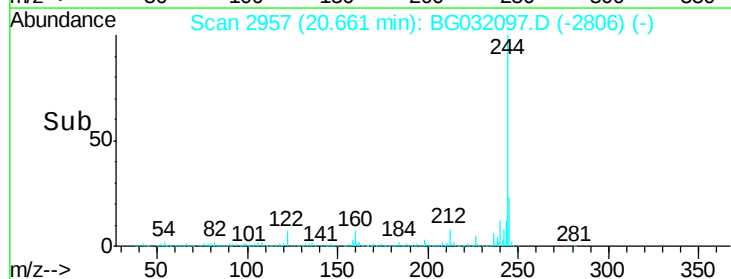
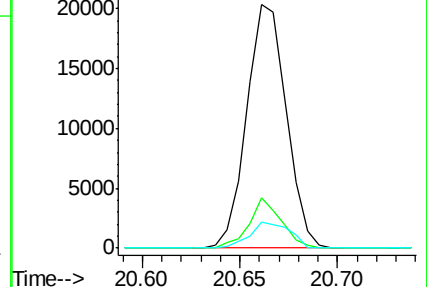
183 10.9 10.6 16.0

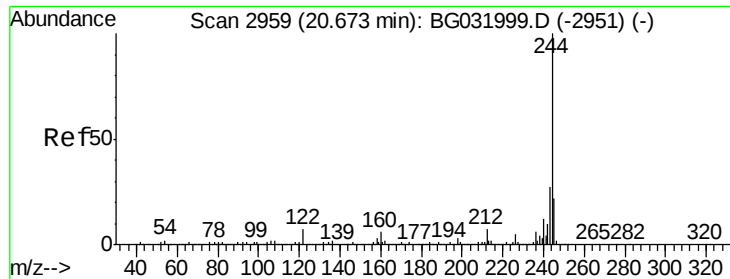


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 100.810 ng

RT: 20.67 min Scan# 2958

Delta R.T. -0.01 min

Lab File: BG032097.D

Acq: 17 Jan 2018 8:34

Instrument :

BNA_G

ClientSampleId :

EO-02-011218-B

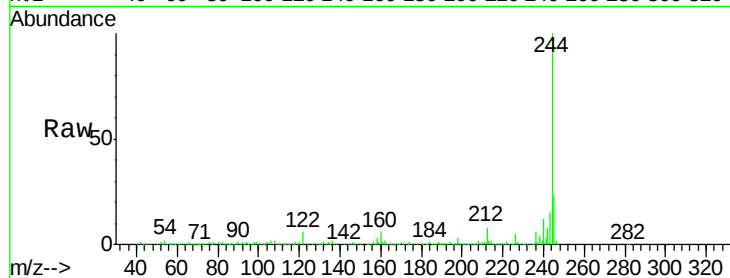
Tgt Ion:244 Resp: 2006169

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

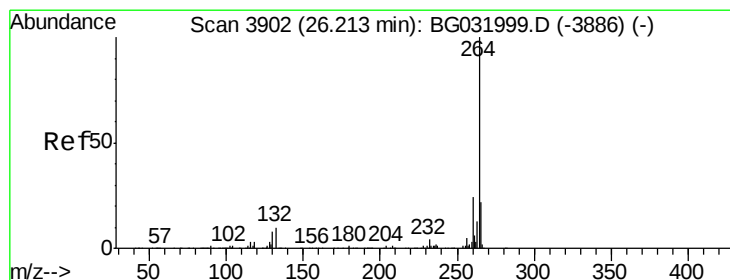
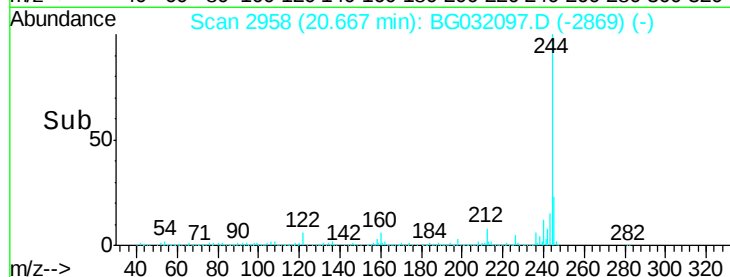
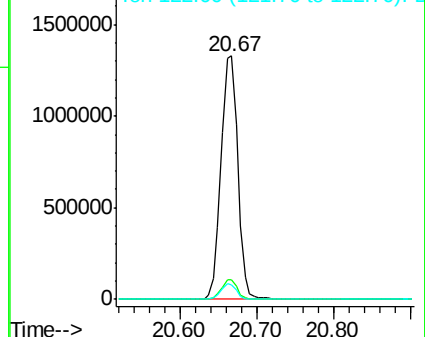
122 6.1 7.0 10.4#



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: 26.18 min Scan# 3897

Delta R.T. -0.03 min

Lab File: BG032097.D

Acq: 17 Jan 2018 8:34

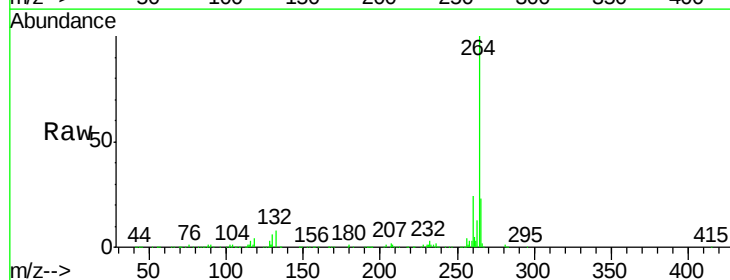
Tgt Ion:264 Resp: 442482

Ion Ratio Lower Upper

264 100

260 24.3 17.4 26.0

265 22.8 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

