

Data Path : U:\HPCHEM1\BNA G\DATA\BG012018\
 Data File : BG032202.D
 Acq On : 21 Jan 2018 5:57
 Operator : SJ/JU
 Sample : J1212-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 22 06:01:27 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 18 10:13:16 2018
 Response via : Initial Calibration

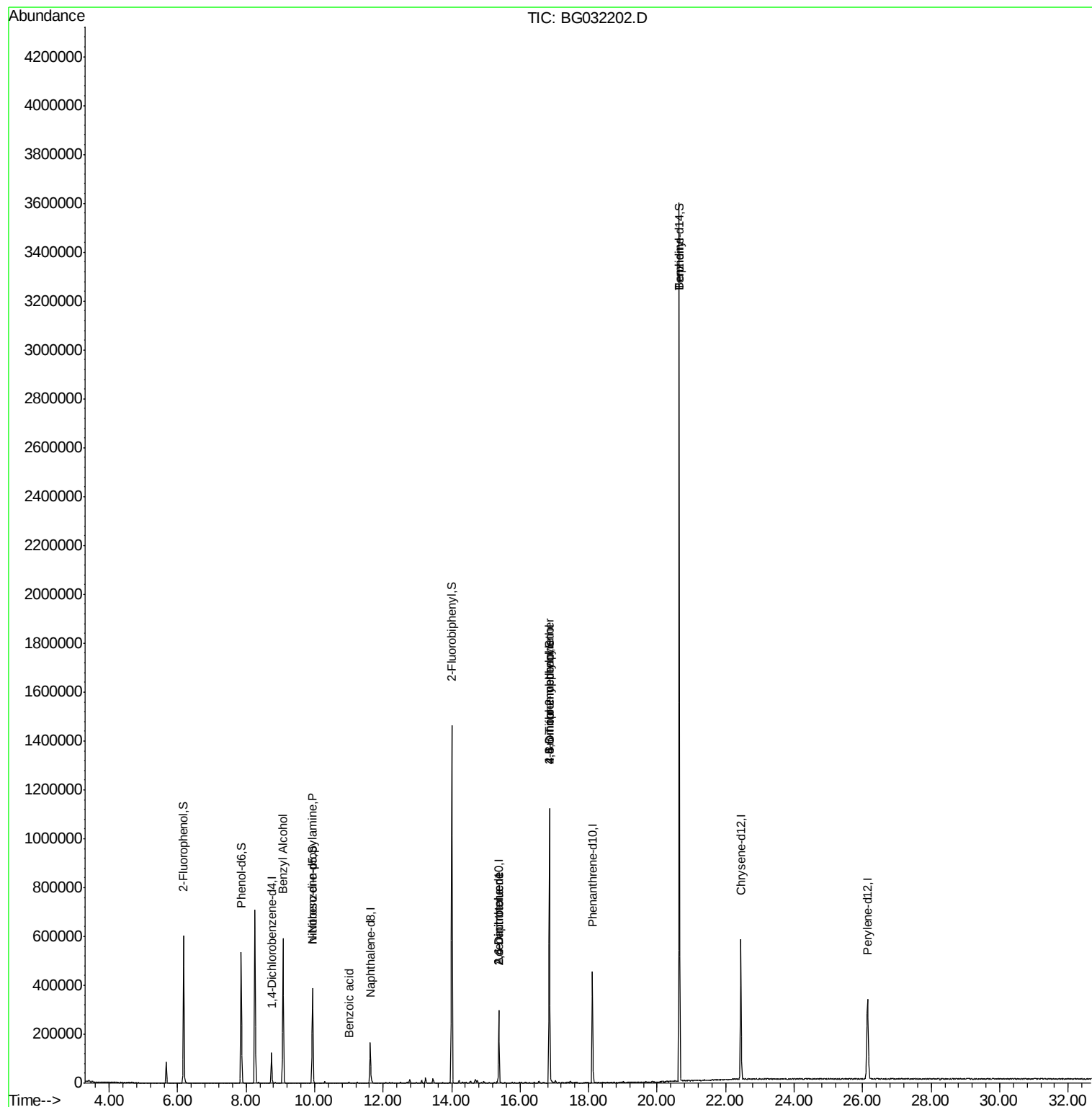
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	41571	20.00	ng	0.00
21) Naphthalene-d8	11.62	136	163412	20.00	ng	0.00
38) Acenaphthene-d10	15.38	164	110344	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	304849	20.00	ng	0.00
75) Chrysene-d12	22.44	240	431693	20.00	ng	0.00
86) Perylene-d12	26.15	264	450974	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.18	112	301850	132.80	ng	0.00
7) Phenol-d6	7.85	99	335943	117.35	ng	0.00
23) Nitrobenzene-d5	9.94	82	250986	103.91	ng	0.00
41) 2,4,6-Tribromophenol	16.85	330	259546	142.14	ng	0.00
44) 2-Fluorobiphenyl	14.01	172	873025	98.10	ng	0.00
78) Terphenyl-d14	20.65	244	1888909	96.61	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.08	79	4429	2.130	ng	# 49
19) n-Nitroso-di-n-propylamine	9.94	70	35490	19.981	ng	# 76
32) Benzoic acid	11.02	122	54	5.282	ng	# 1
50) 2,6-Dinitrotoluene	15.38	165	15375	7.671	ng	# 18
56) 2,4-Dinitrotoluene	15.38	165	15375	5.698	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.86	198	665	5.190	ng	# 38
66) 4-Bromophenyl-phenylether	16.85	248	21923	5.054	ng	# 1
76) Benzidine	20.65	184	28225	2.615	ng	# 94

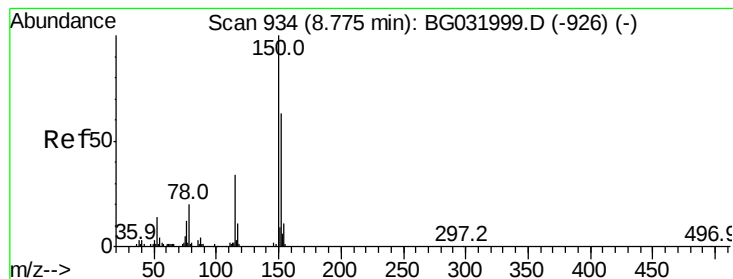
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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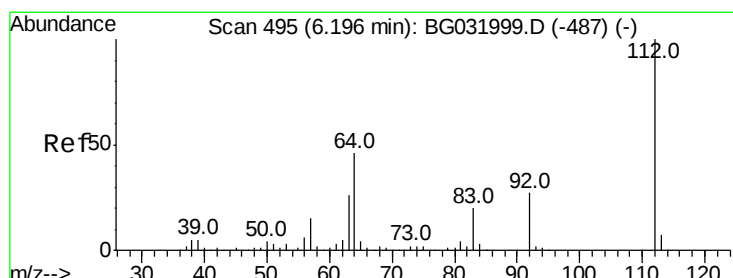
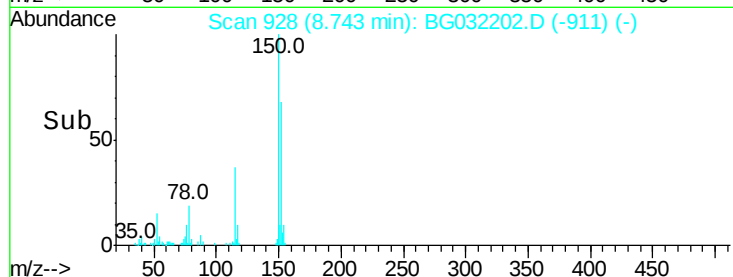
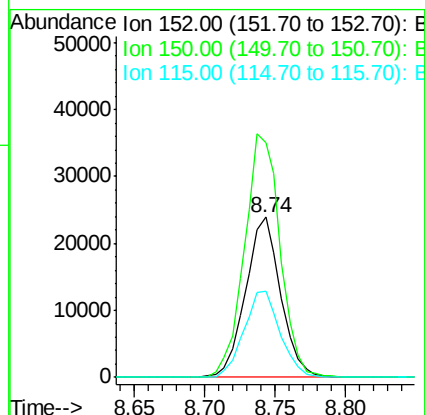
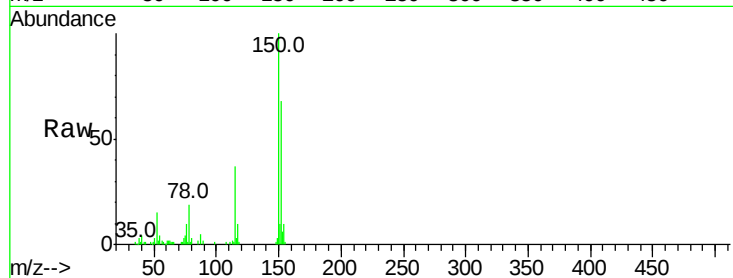


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.74 min Scan# 928
Delta R.T. 0.00 min
Lab File: BG032202.D
Acq: 21 Jan 2018 5:57

Instrument :
BNA_G
ClientSampleId :

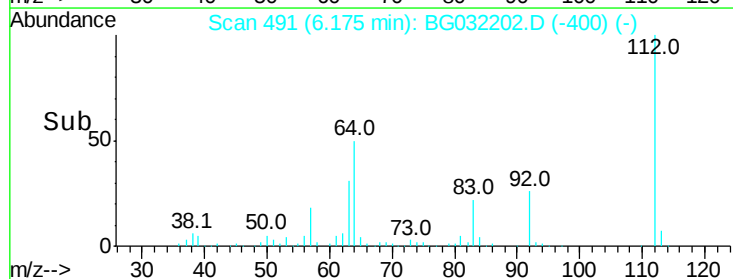
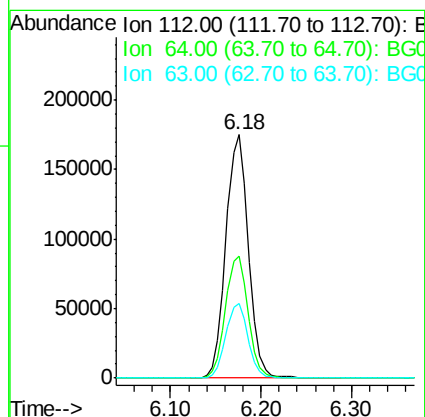
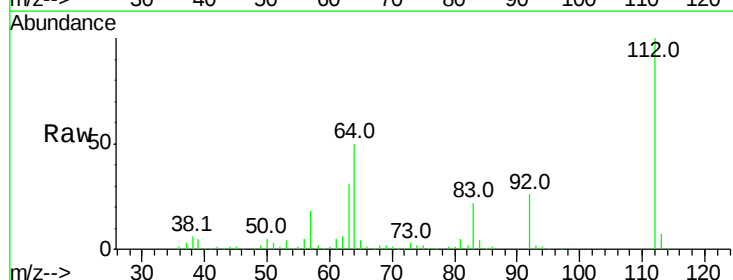
Tot Ion:152 Resp: 41571
Ion Ratio Lower Upper
152 100
150 147.1 126.6 189.8
115 54.0 53.0 79.4

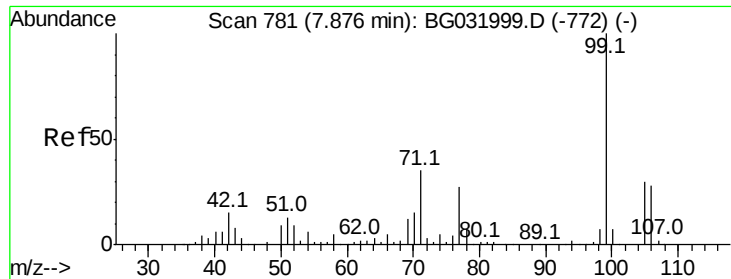


#5

2-Fluorophenol
Concen: 132.800 ng
RT: 6.18 min Scan# 491
Delta R.T. 0.01 min
Lab File: BG032202.D
Acq: 21 Jan 2018 5:57

Tgt Ion:112 Resp: 301850
Ion Ratio Lower Upper
112 100
64 50.1 56.3 84.5#
63 30.8 30.1 45.1





#7

Phenol-d6

Concen: 117.354 ng

RT: 7.85 min Scan# 776

Delta R.T. 0.00 min

Lab File: BG032202.D

Acq: 21 Jan 2018 5:57

Instrument :

BNA_G

ClientSampled :

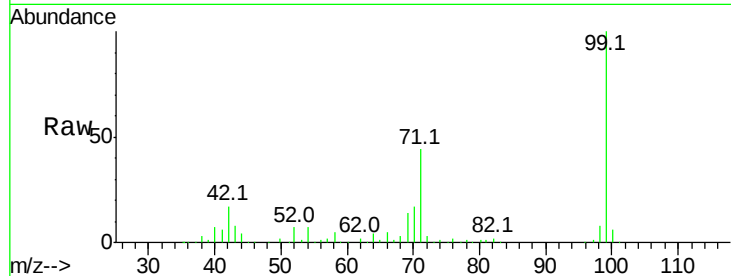
Tot Ion: 99 Resp: 335943

Ion Ratio Lower Upper

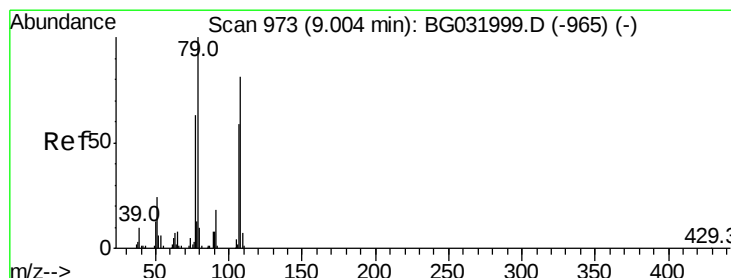
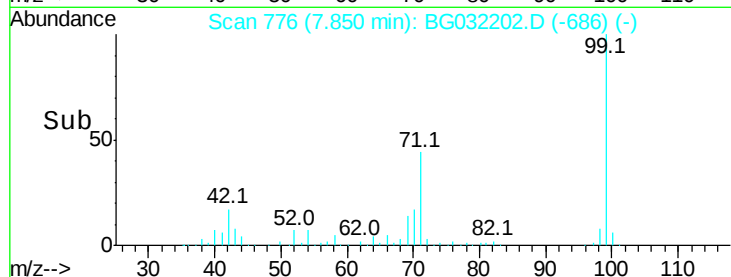
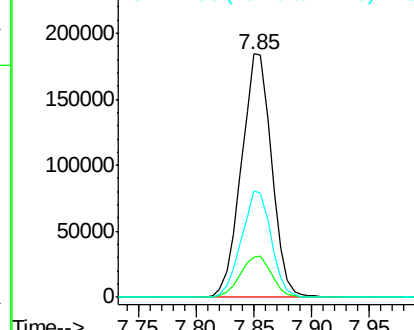
99 100

42 16.7 14.1 21.1

71 43.7 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: 2.130 ng

RT: 9.08 min Scan# 985

Delta R.T. 0.10 min

Lab File: BG032202.D

Acq: 21 Jan 2018 5:57

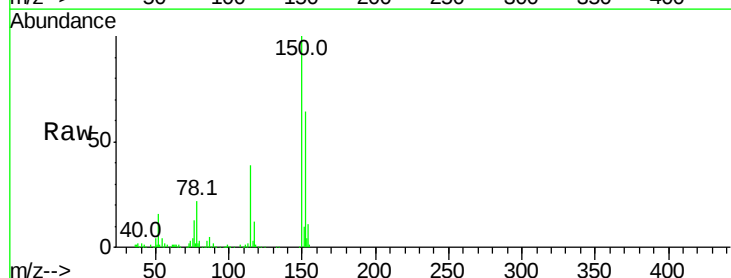
Tgt Ion: 79 Resp: 4429

Ion Ratio Lower Upper

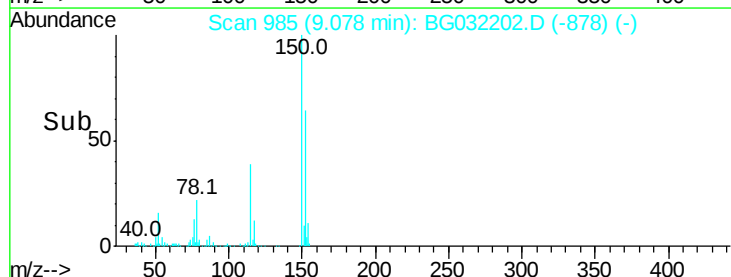
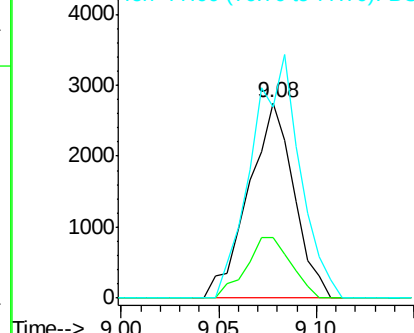
79 100

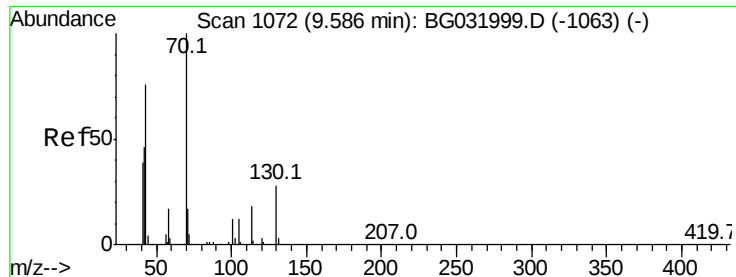
108 31.1 57.2 85.8#

77 97.7 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

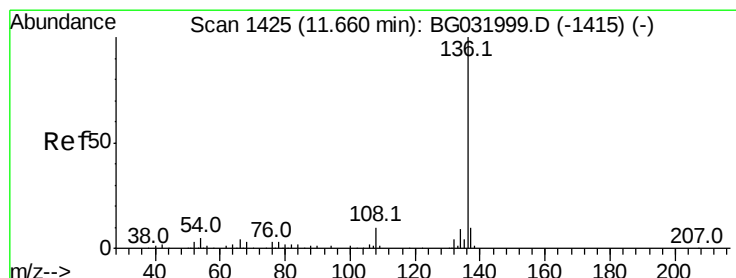
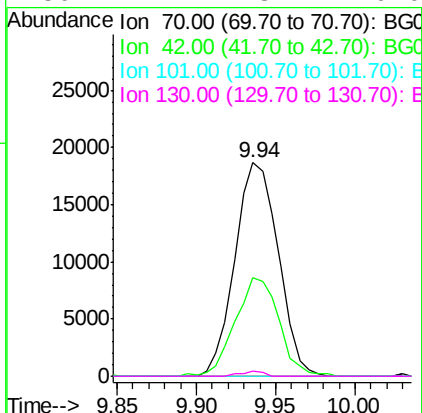
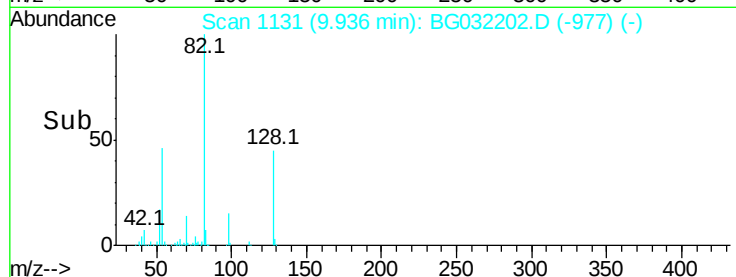
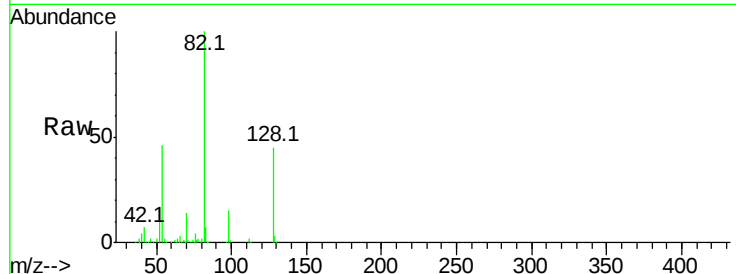




#19
n-Nitroso-di-n-propylamine
Concen: 19.981 ng
RT: 9.94 min Scan# 1131
Delta R.T. 0.38 min
Lab File: BG032202.D
Acq: 21 Jan 2018 5:57

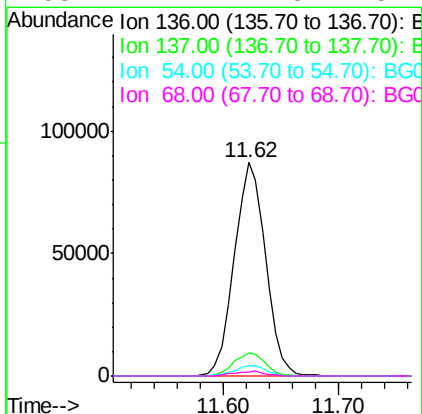
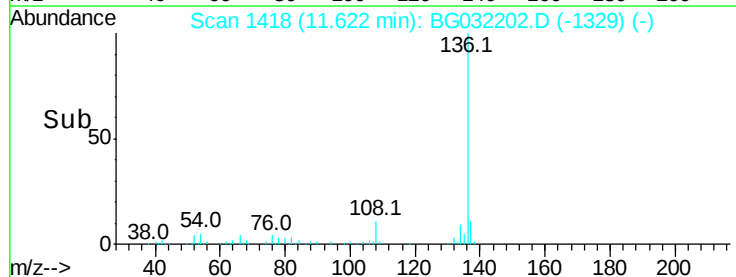
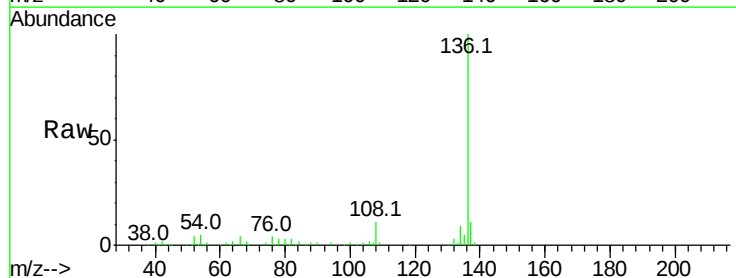
Instrument :
BNA_G
ClientSampleId :

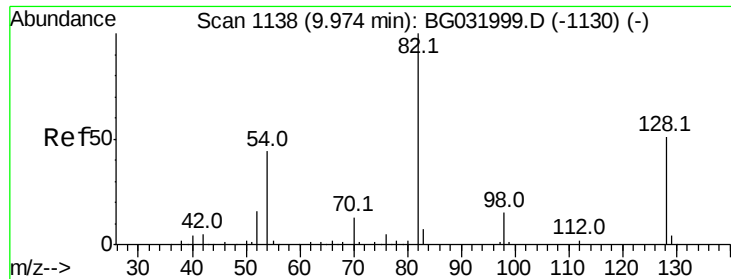
Tot Ion: 70 Resp: 35490
Ion Ratio Lower Upper
70 100
42 45.9 49.1 73.7#
101 0.0 8.5 12.7#
130 2.2 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.62 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BG032202.D
Acq: 21 Jan 2018 5:57

Tgt Ion: 136 Resp: 163412
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 4.9 10.3 15.5#
68 2.4 4.5 6.7#

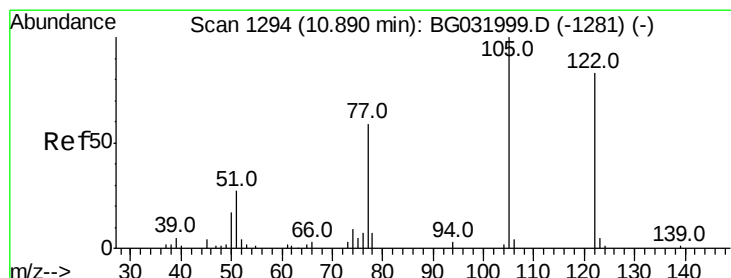
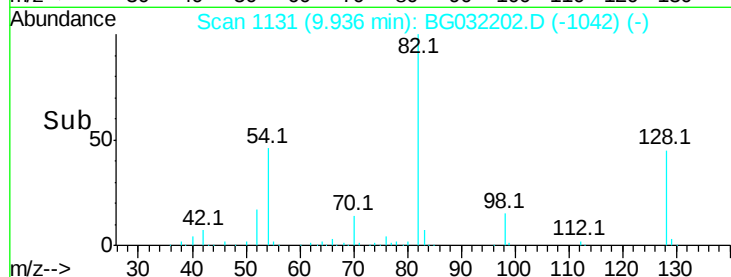
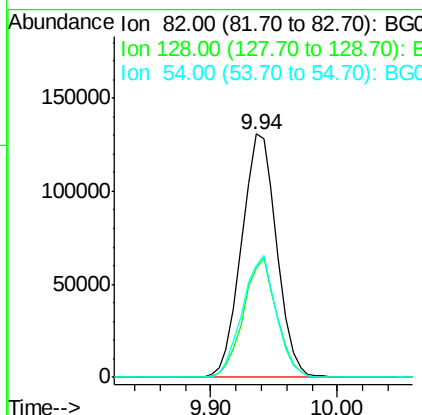
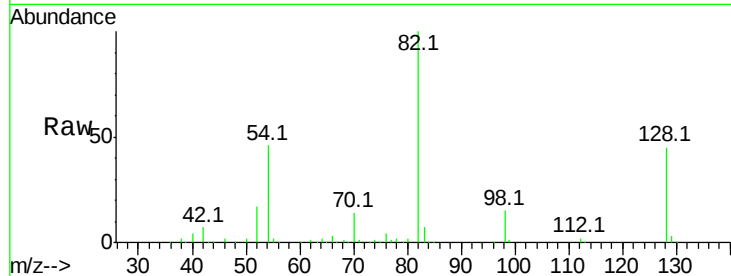




#23
 Nitrobenzene-d5
 Concen: 103.911 ng
 RT: 9.94 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: BG032202.D
 Acq: 21 Jan 2018 5:57

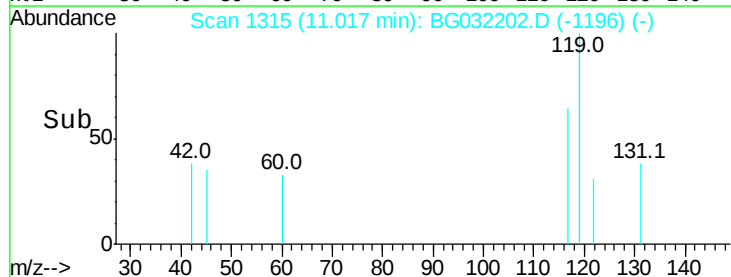
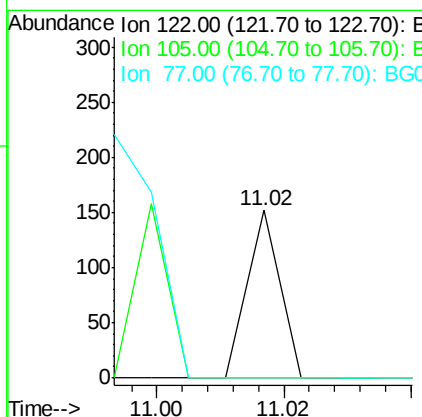
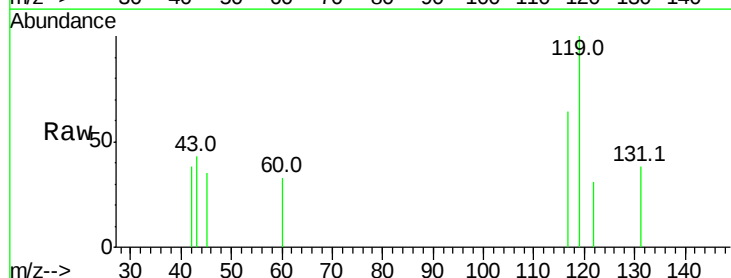
Instrument :
 BNA_G
 ClientSampleId :

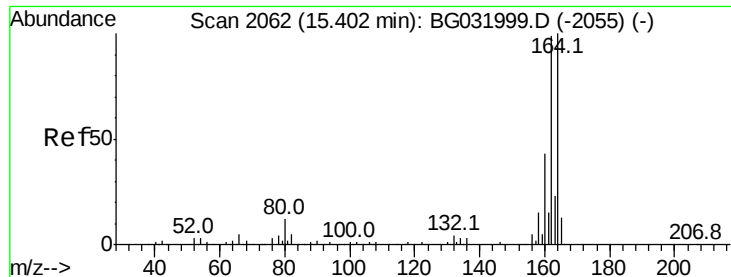
Tot Ion: 82 Resp: 250986
 Ion Ratio Lower Upper
 82 100
 128 44.9 29.7 44.5#
 54 46.1 43.1 64.7



#32
 Benzoic acid
 Concen: 5.282 ng
 RT: 11.02 min Scan# 1315
 Delta R.T. 0.17 min
 Lab File: BG032202.D
 Acq: 21 Jan 2018 5:57

Tgt Ion:122 Resp: 54
 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: 15.38 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BG032202.D

Acq: 21 Jan 2018 5:57

Instrument :

BNA_G

ClientSampleId :

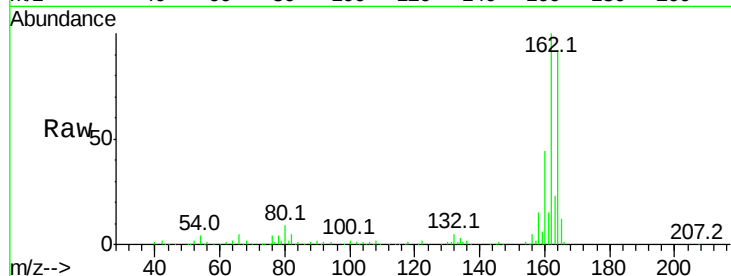
Tot Ion:164 Resp: 110344

Ion Ratio Lower Upper

164 100

162 108.1 78.8 118.2

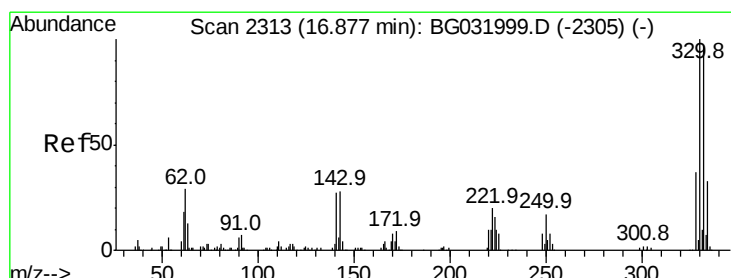
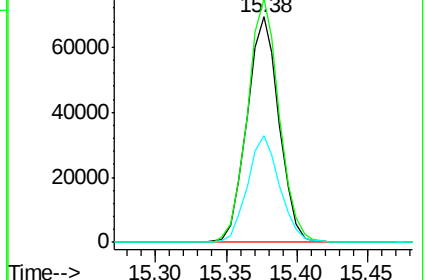
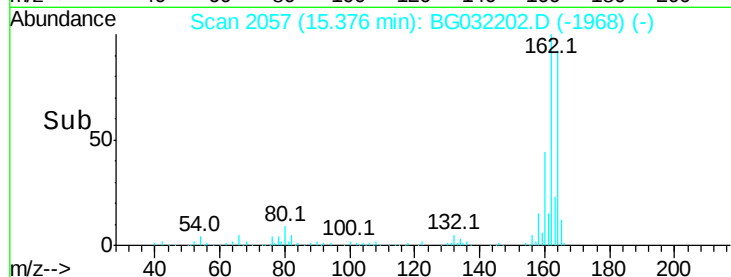
160 47.6 35.4 53.0



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: 142.144 ng

RT: 16.85 min Scan# 2308

Delta R.T. -0.00 min

Lab File: BG032202.D

Acq: 21 Jan 2018 5:57

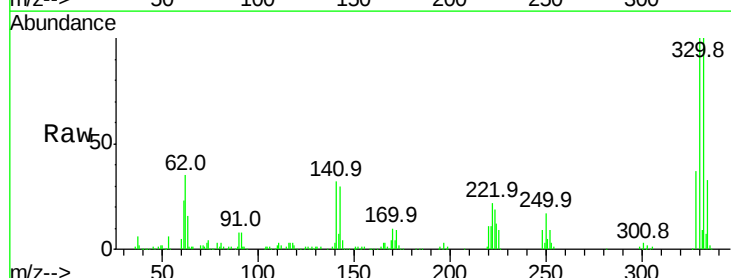
Tgt Ion:330 Resp: 259546

Ion Ratio Lower Upper

330 100

332 98.5 77.0 115.6

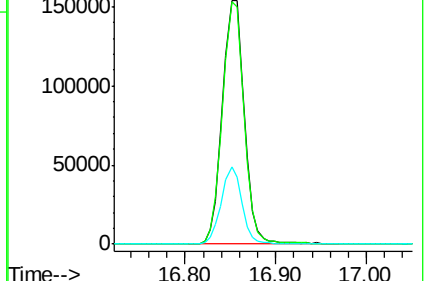
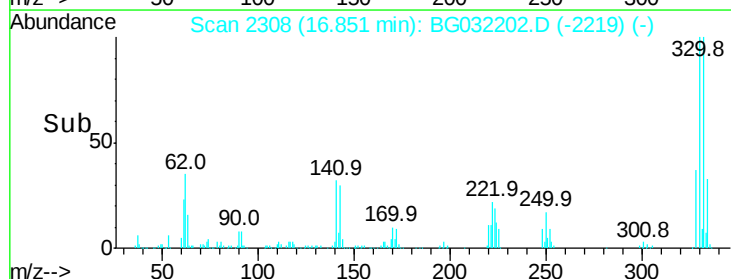
141 29.7 25.2 37.8

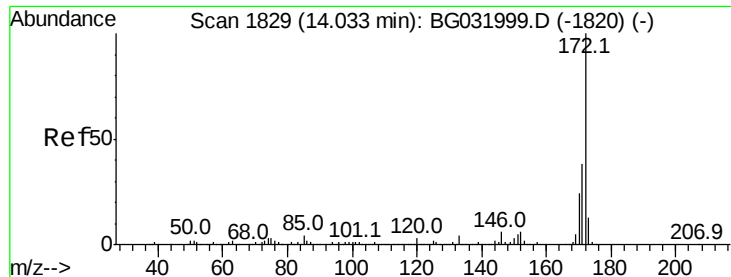


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

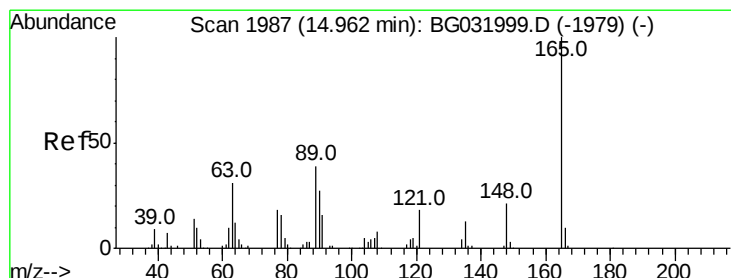
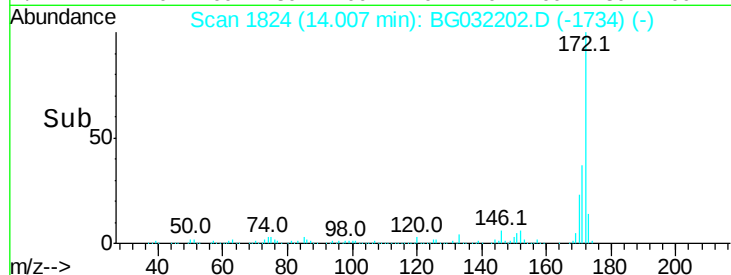
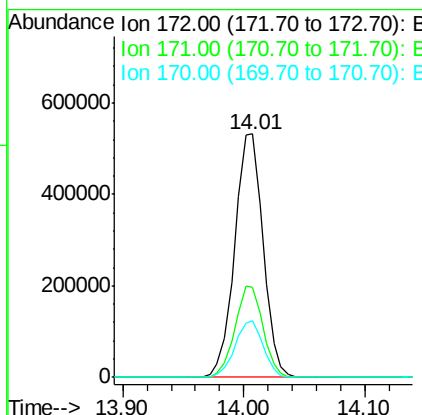
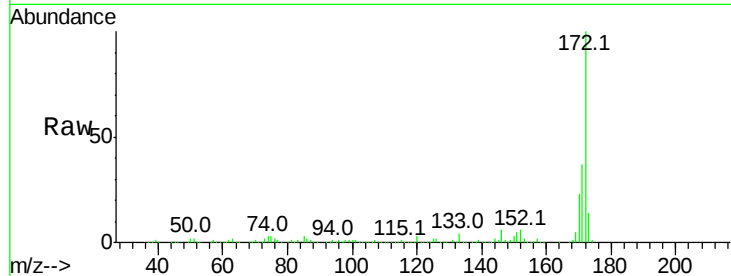




#44
 2-Fluorobiphenyl
 Concen: 98.103 ng
 RT: 14.01 min Scan# 1824
 Delta R.T. 0.00 min
 Lab File: BG032202.D
 Acq: 21 Jan 2018 5:57

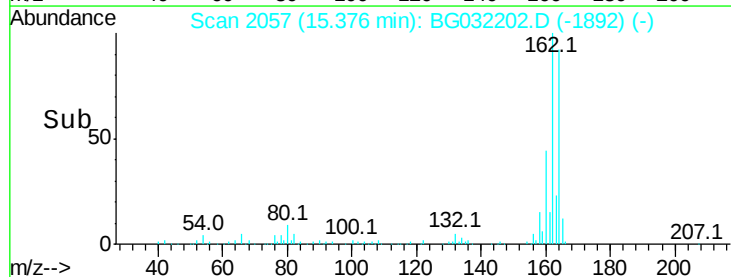
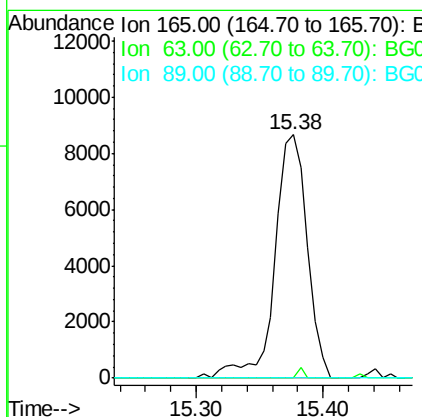
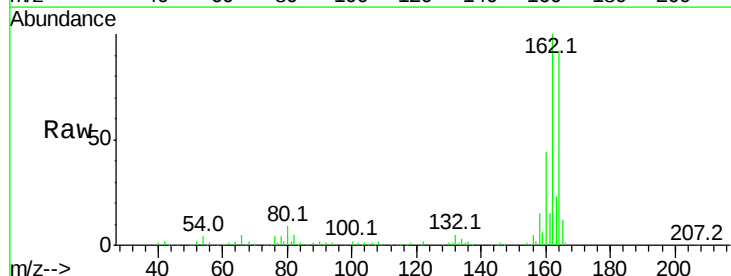
Instrument :
 BNA_G
 ClientSampleId :

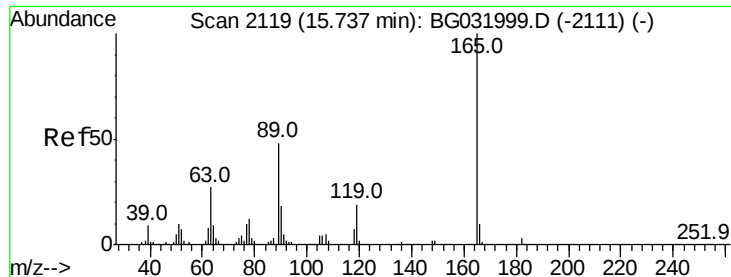
Tot Ion:172 Resp: 873025
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.0 45.0
 170 23.1 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.671 ng
 RT: 15.38 min Scan# 2057
 Delta R.T. 0.44 min
 Lab File: BG032202.D
 Acq: 21 Jan 2018 5:57

Tgt Ion:165 Resp: 15375
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

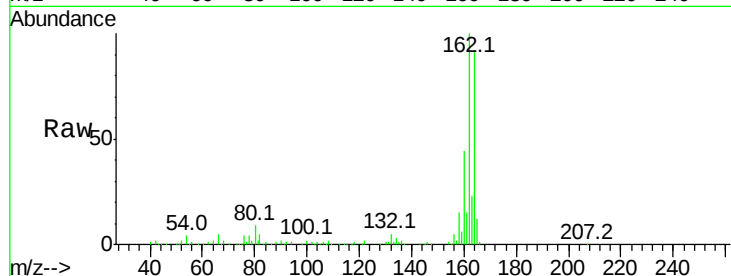




#56
 2,4-Dinitrotoluene
 Concen: 5.698 ng
 RT: 15.38 min Scan# 2057
 Delta R.T. -0.34 min
 Lab File: BG032202.D
 Acq: 21 Jan 2018 5:57

Instrument :
 BNA_G
 ClientSampled :

Tot 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#

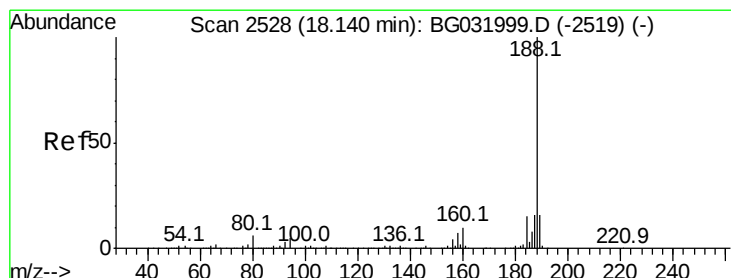
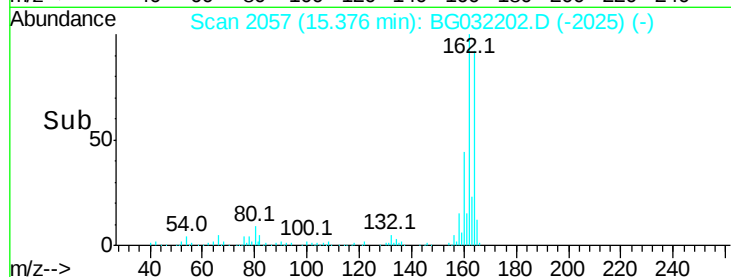
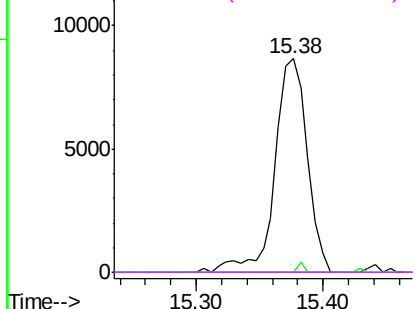


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

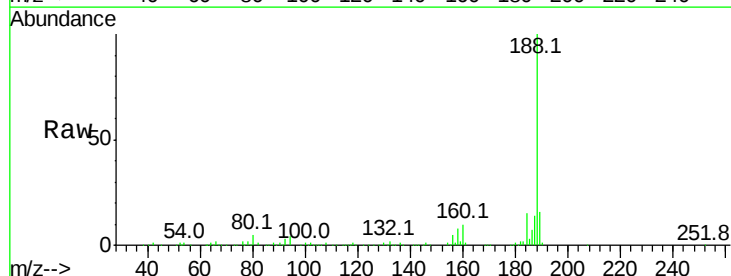
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.11 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: BG032202.D
 Acq: 21 Jan 2018 5:57

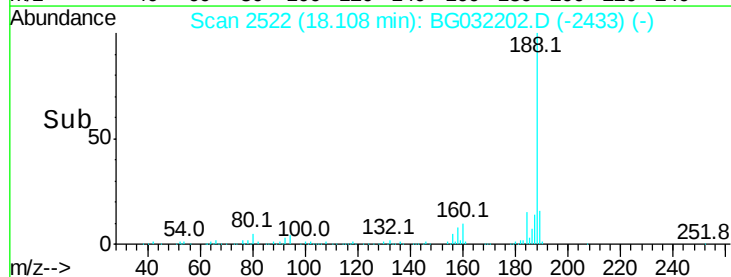
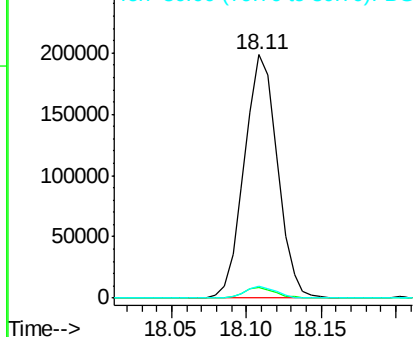
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.3	6.9	10.3#
80	4.8	7.7	11.5#

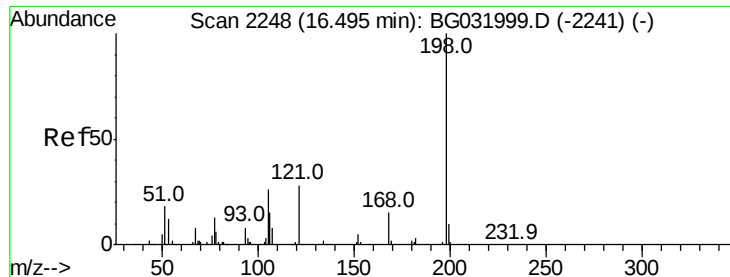


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

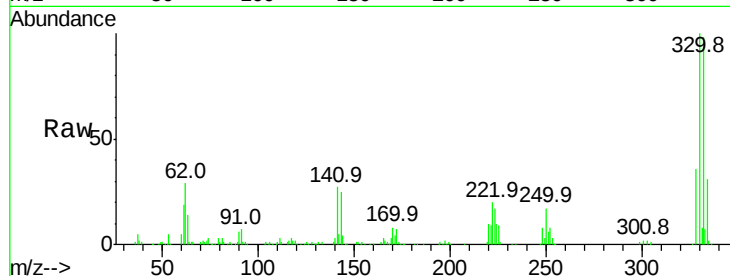




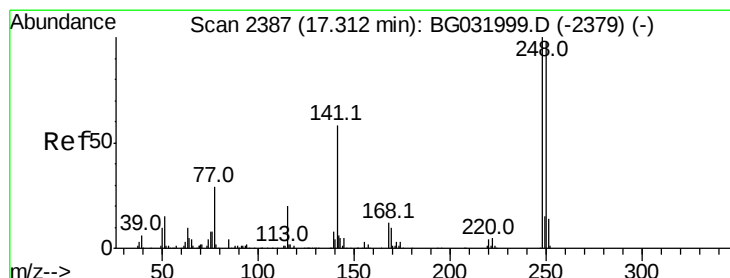
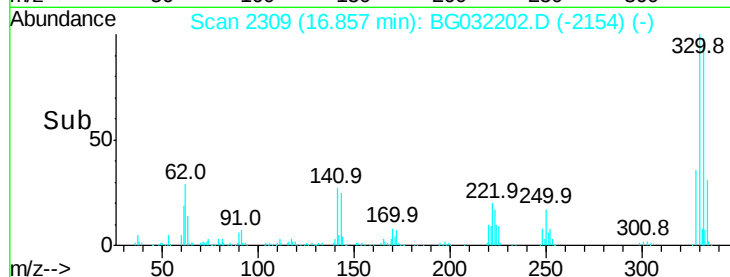
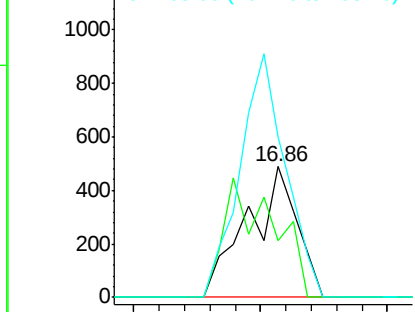
#64
4,6-Dinitro-2-methylphenol
Concen: 5.190 ng
RT: 16.86 min Scan# 2309
Delta R.T. 0.38 min
Lab File: BG032202.D
Acq: 21 Jan 2018 5:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:198 Resp: 665
Ion Ratio Lower Upper
198 100
51 43.4 30.6 70.6
105 122.3 23.8 63.8#

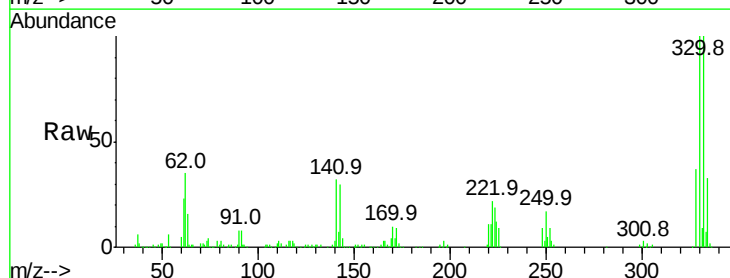


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

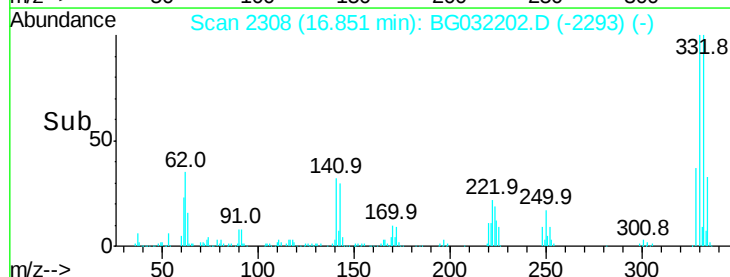
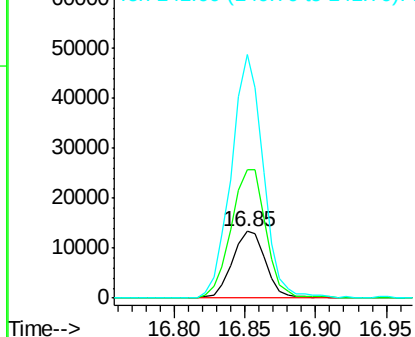


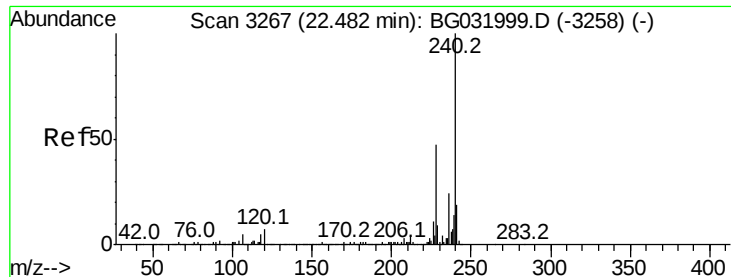
#66
4-Bromophenyl-phenylether
Concen: 5.054 ng
RT: 16.85 min Scan# 2308
Delta R.T. -0.44 min
Lab File: BG032202.D
Acq: 21 Jan 2018 5:57

Tgt Ion:248 Resp: 21923
Ion Ratio Lower Upper
248 100
250 193.0 77.1 115.7#
141 366.6 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: 22.44 min Scan# 3260

Delta R.T. -0.00 min

Lab File: BG032202.D

Acq: 21 Jan 2018 5:57

Instrument :

BNA_G

ClientSampleId :

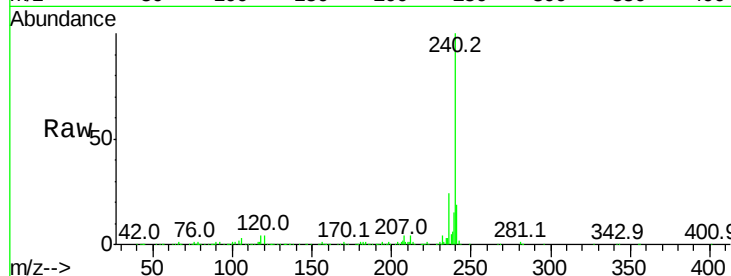
Tot Ion:240 Resp: 431693

Ion Ratio Lower Upper

240 100

120 4.1 6.8 10.2#

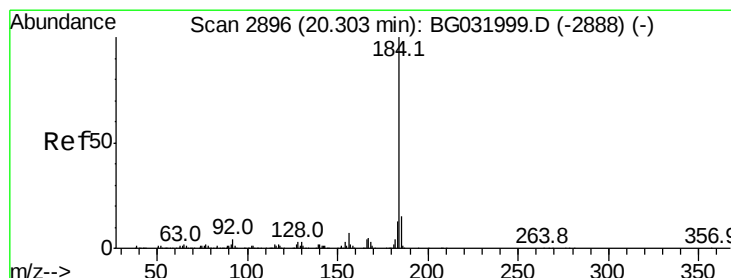
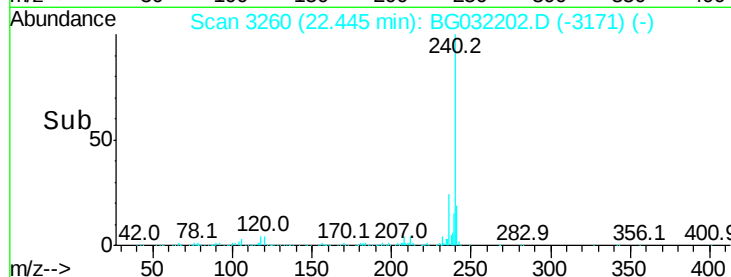
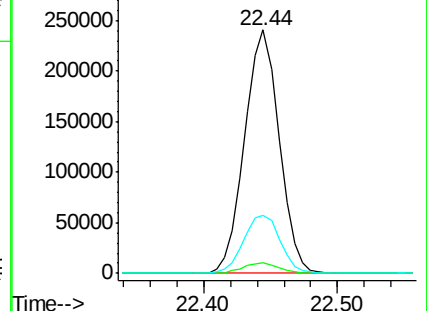
236 23.9 20.9 31.3



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: 2.615 ng

RT: 20.65 min Scan# 2954

Delta R.T. 0.37 min

Lab File: BG032202.D

Acq: 21 Jan 2018 5:57

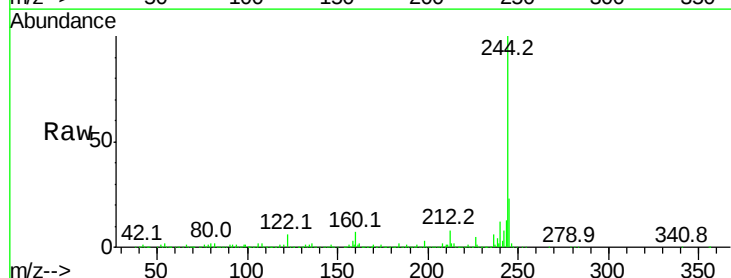
Tgt Ion:184 Resp: 28225

Ion Ratio Lower Upper

184 100

185 14.1 11.1 16.7

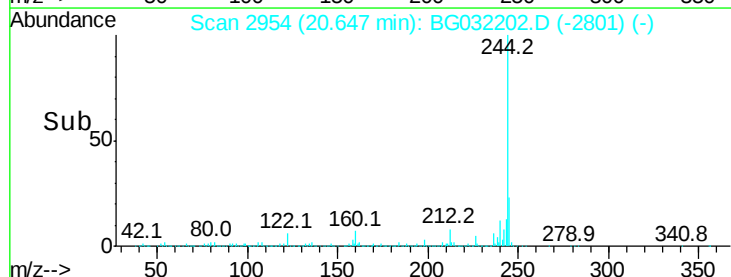
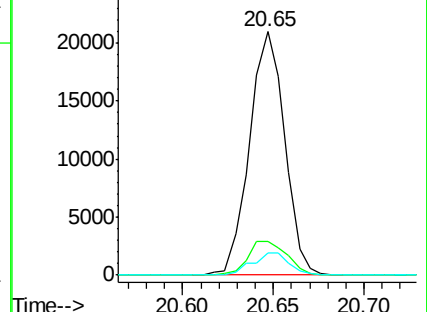
183 9.0 10.6 16.0#

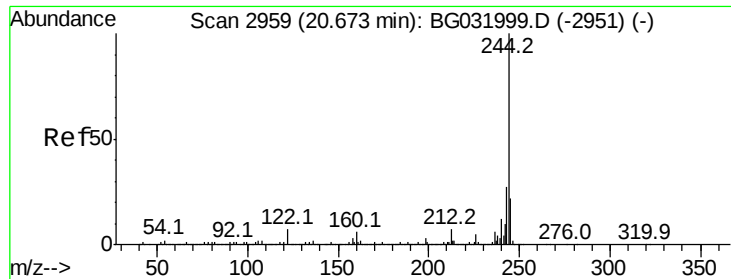


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 96.615 ng

RT: 20.65 min Scan# 2954

Delta R.T. -0.00 min

Lab File: BG032202.D

Acq: 21 Jan 2018 5:57

Instrument :

BNA_G

ClientSampleId :

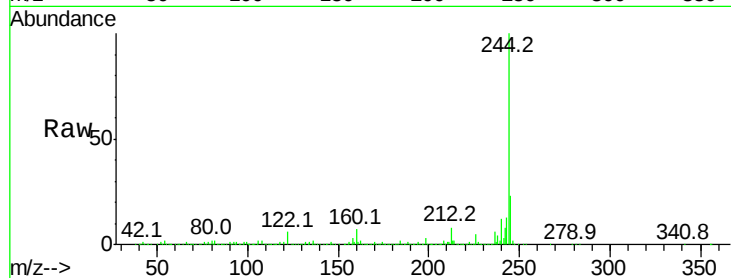
Tot Ion:244 Resp: 1888909

Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.8
122	6.3	7.0	10.4

244 100

212 7.9 5.8 8.8

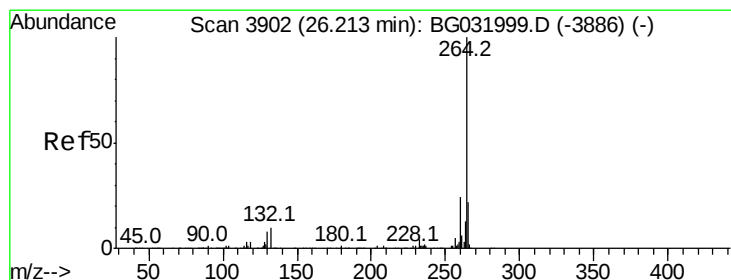
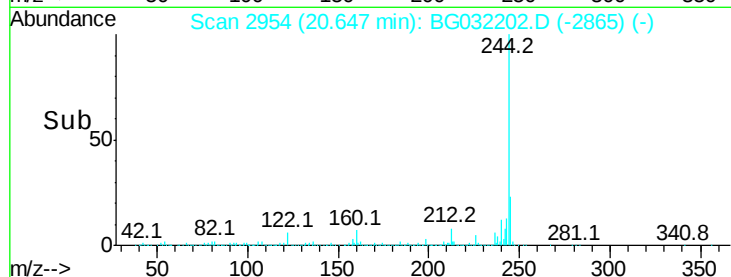
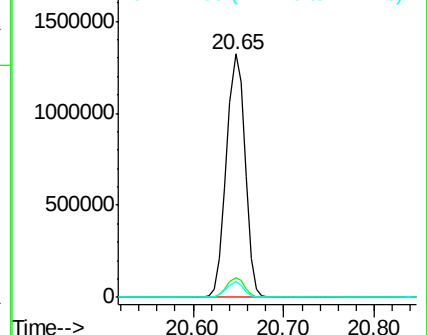
122 6.3 7.0 10.4



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: 26.15 min Scan# 3890

Delta R.T. -0.00 min

Lab File: BG032202.D

Acq: 21 Jan 2018 5:57

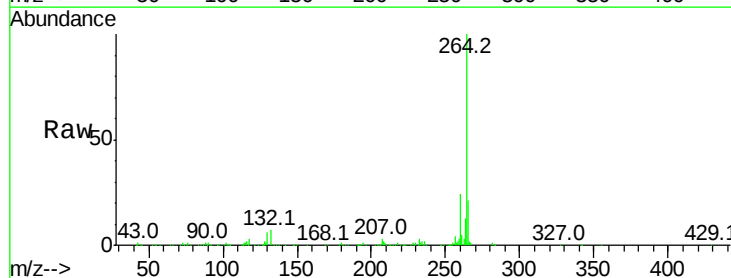
Tgt Ion:264 Resp: 450974

Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.4	26.0
265	21.0	17.7	26.5

264 100

260 23.8 17.4 26.0

265 21.0 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

