

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG011618\
 Data File : BG032102.D
 Acq On : 17 Jan 2018 11:42
 Operator : SJ/JU
 Sample : J1122-27
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G-3

Quant Time: Jan 17 12:40:08 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

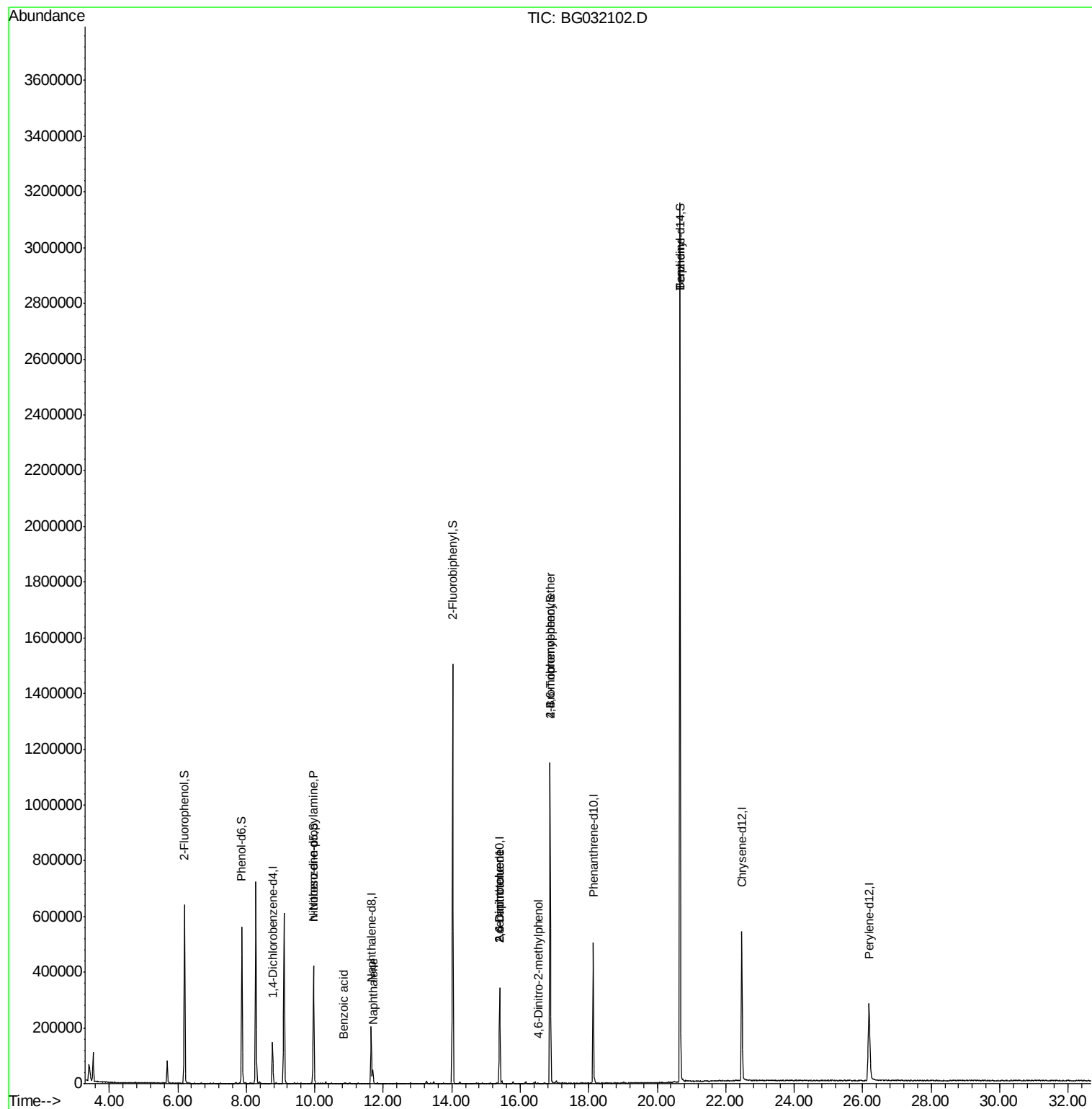
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.76	152	51943	20.00	ng	-0.01
21) Naphthalene-d8	11.65	136	198624	20.00	ng	-0.01
38) Acenaphthene-d10	15.40	164	132462	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	337731	20.00	ng	-0.01
75) Chrysene-d12	22.47	240	407883	20.00	ng	-0.02
86) Perylene-d12	26.19	264	413170	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.20	112	332336	117.02	ng	0.00
7) Phenol-d6	7.88	99	369136	103.20	ng	0.00
23) Nitrobenzene-d5	9.96	82	267910	91.25	ng	-0.01
41) 2,4,6-Tribromophenol	16.87	330	262017	119.54	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	916793	85.82	ng	0.00
78) Terphenyl-d14	20.66	244	1729510	93.63	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.96	70	36010	16.226	ng	Qvalue
31) Naphthalene	11.70	128	48433	4.922	ng	# 74
32) Benzoic acid	10.83	122	73	5.285	ng	# 1
50) 2,6-Dinitrotoluene	15.40	165	16342	6.792	ng	# 19
56) 2,4-Dinitrotoluene	15.40	165	16342	5.045	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.53	198	61	4.910	ng	# 29
66) 4-Bromophenyl-phenylether	16.87	248	21360	4.445	ng	# 1
76) Benzidine	20.66	184	23840	2.337	ng	# 85

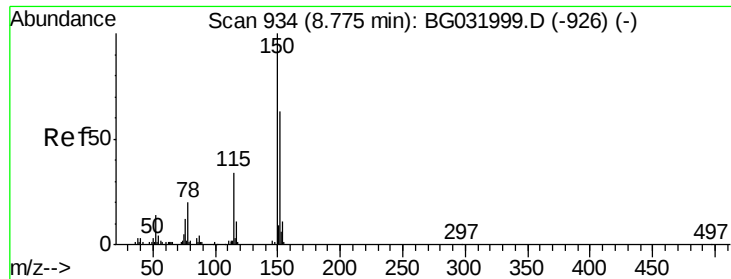
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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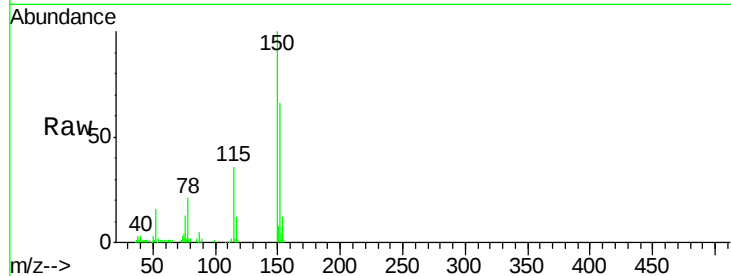


#1

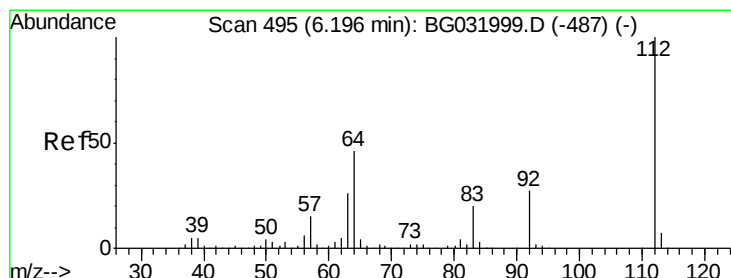
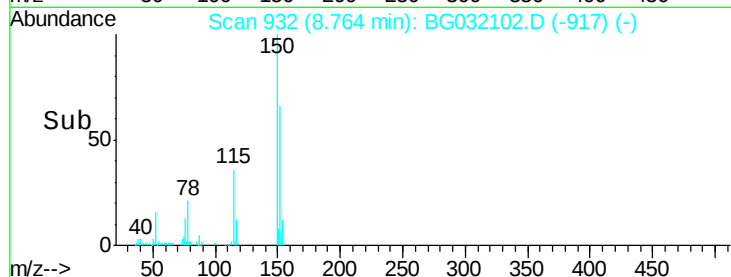
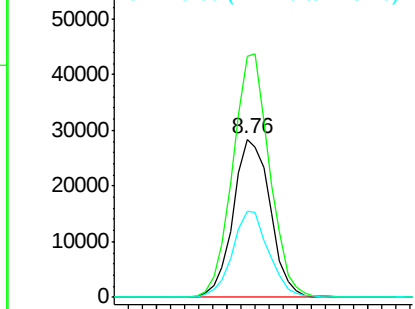
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.76 min Scan# 932
Delta R.T. -0.01 min
Lab File: BG032102.D
Acq: 17 Jan 2018 11:42

Instrument :
BNA_G
ClientSampleId :
G-3

Tgt Ion:152 Resp: 51943
Ion Ratio Lower Upper
152 100
150 152.5 126.6 189.8
115 54.6 53.0 79.4



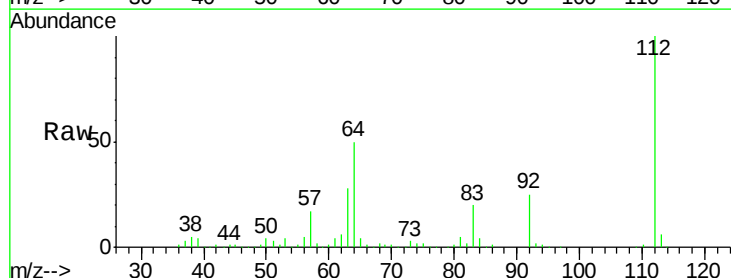
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



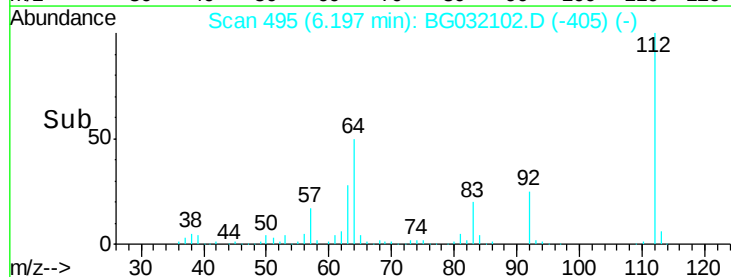
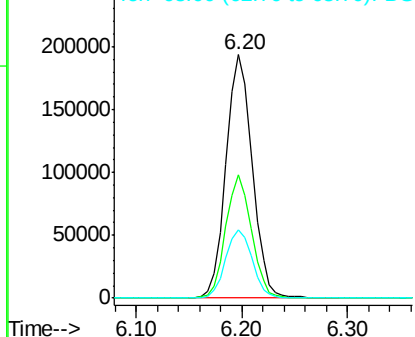
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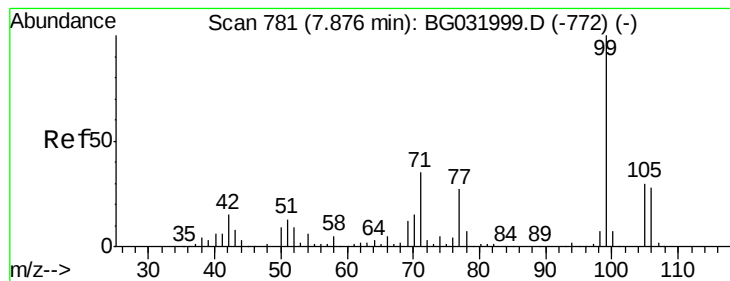
2-Fluorophenol
Concen: 117.017 ng
RT: 6.20 min Scan# 495
Delta R.T. 0.00 min
Lab File: BG032102.D
Acq: 17 Jan 2018 11:42

Tgt Ion:112 Resp: 332336
Ion Ratio Lower Upper
112 100
64 50.4 56.3 84.5#
63 28.1 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: 103.200 ng

RT: 7.88 min Scan# 781

Delta R.T. 0.00 min

Lab File: BG032102.D

Acq: 17 Jan 2018 11:42

Instrument :

BNA_G

ClientSampleId :

G-3

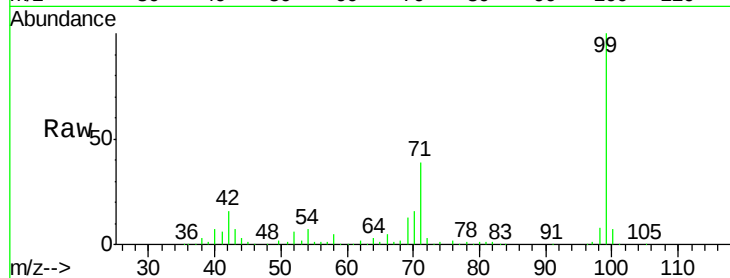
Tgt Ion: 99 Resp: 369136

Ion Ratio Lower Upper

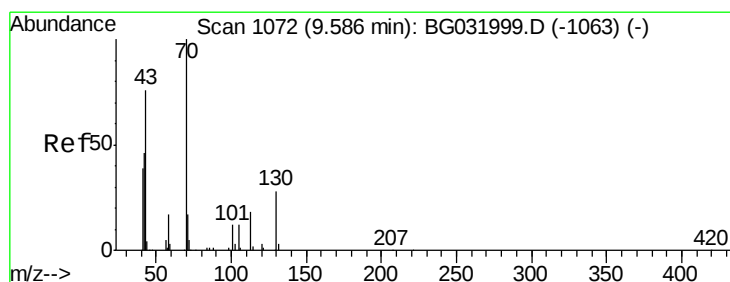
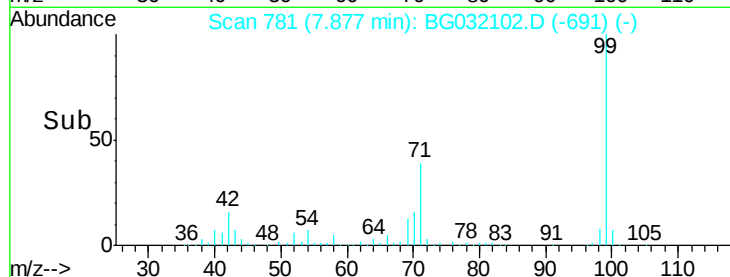
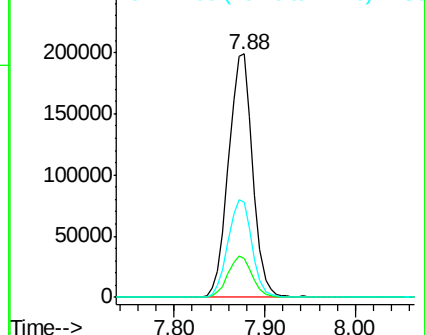
99 100

42 16.0 14.1 21.1

71 39.0 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.226 ng

RT: 9.96 min Scan# 1136

Delta R.T. 0.38 min

Lab File: BG032102.D

Acq: 17 Jan 2018 11:42

Tgt Ion: 70 Resp: 36010

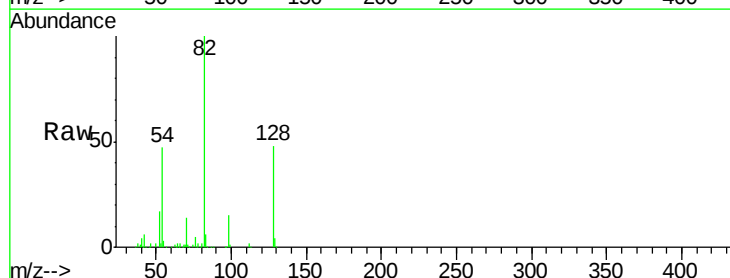
Ion Ratio Lower Upper

70 100

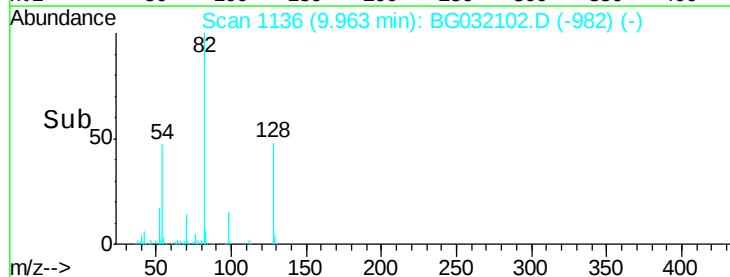
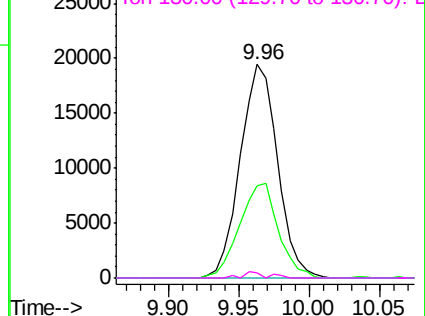
42 43.3 49.1 73.7#

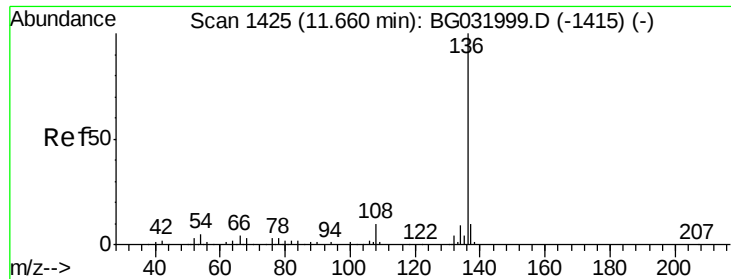
101 0.0 8.5 12.7#

130 2.7 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

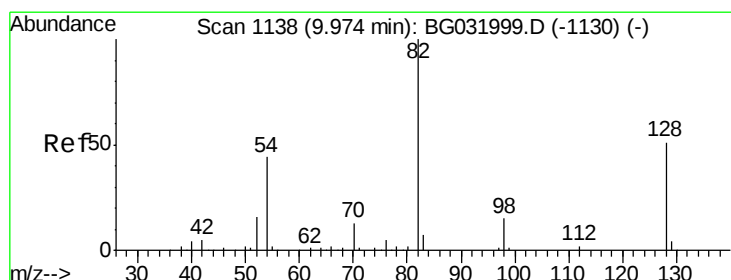
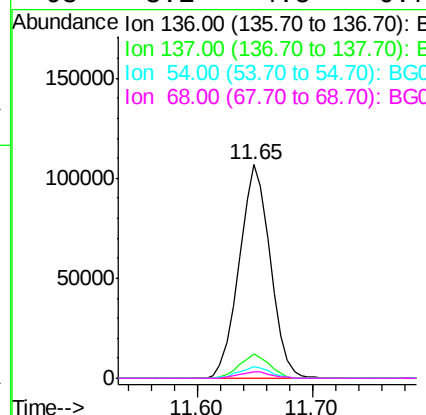
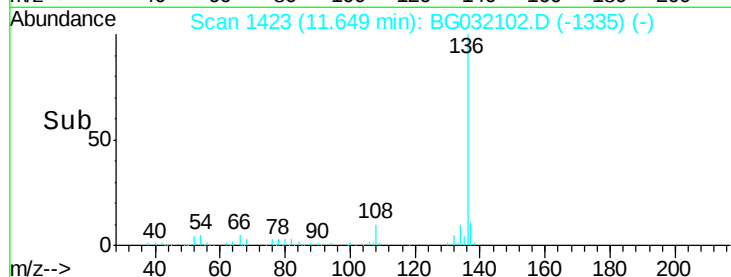
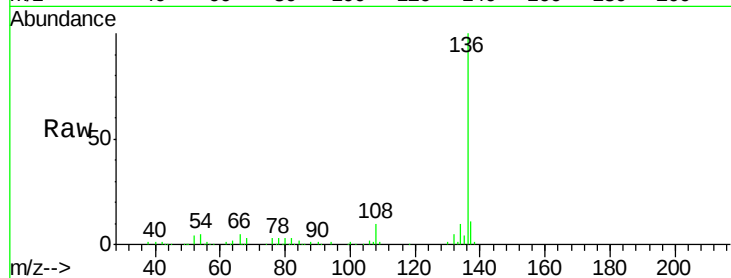




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BG032102.D
Acq: 17 Jan 2018 11:42

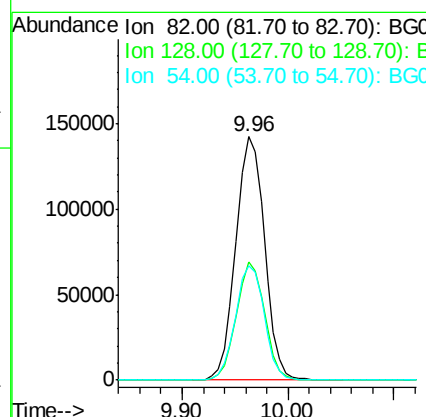
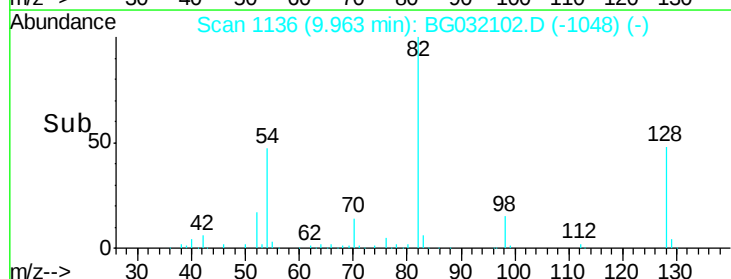
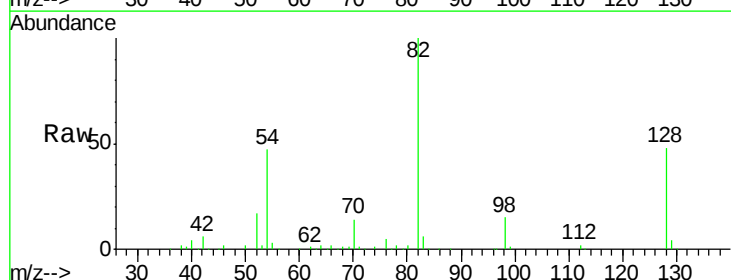
Instrument :
BNA_G
ClientSampleId :
G-3

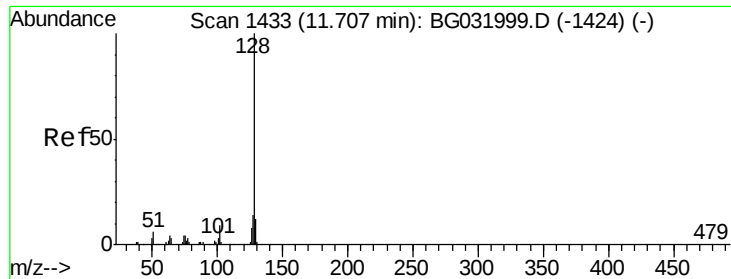
Tgt Ion:	136	Resp:	198624
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	5.3	10.3	15.5#
68	3.1	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 91.254 ng
RT: 9.96 min Scan# 1136
Delta R.T. -0.01 min
Lab File: BG032102.D
Acq: 17 Jan 2018 11:42

Tgt Ion:	82	Resp:	267910
Ion	Ratio	Lower	Upper
82	100		
128	48.4	29.7	44.5#
54	47.1	43.1	64.7

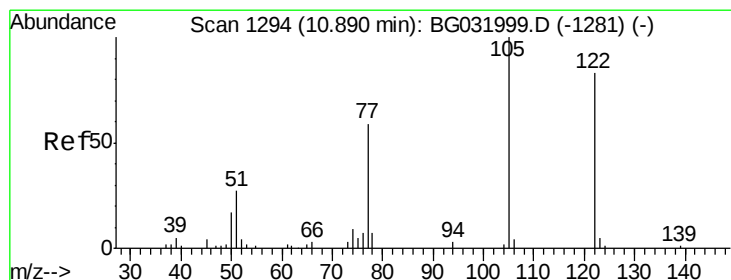
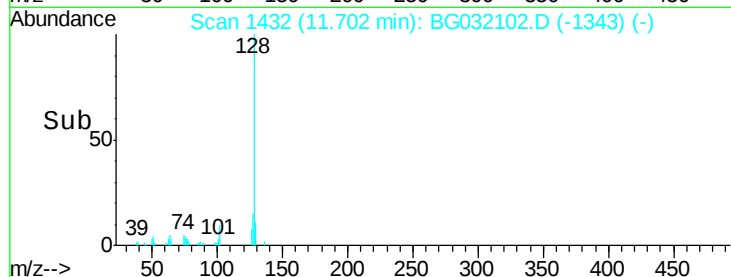
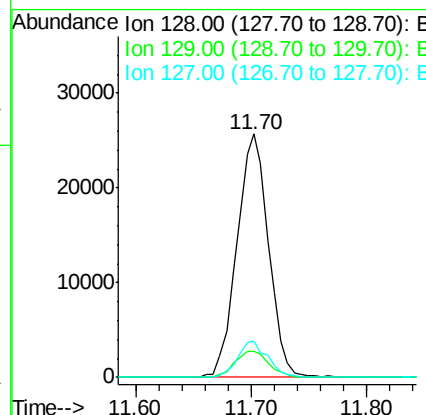
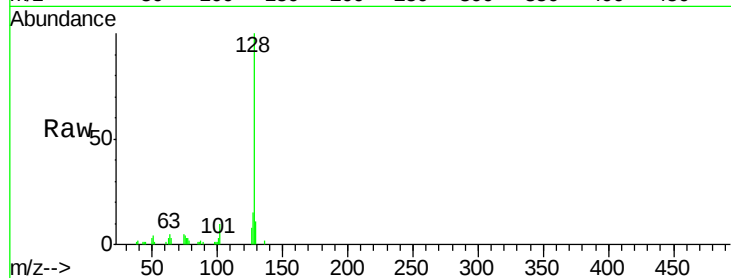




#31
Naphthalene
Concen: 4.922 ng
RT: 11.70 min Scan# 1432
Delta R.T. -0.00 min
Lab File: BG032102.D
Acq: 17 Jan 2018 11:42

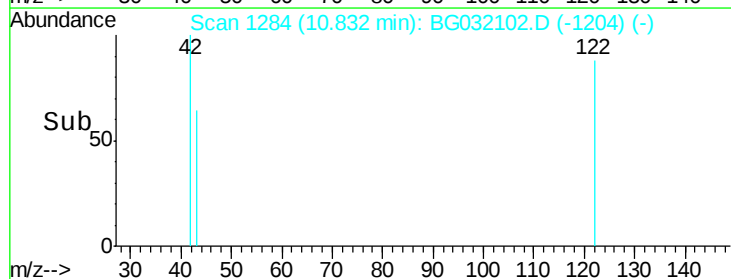
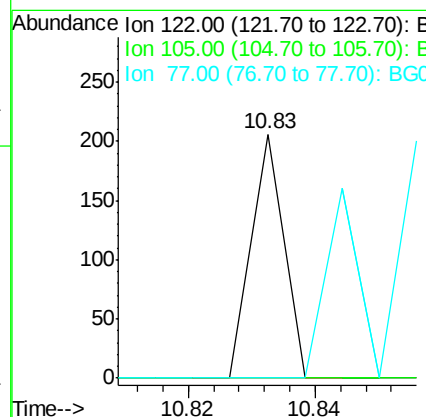
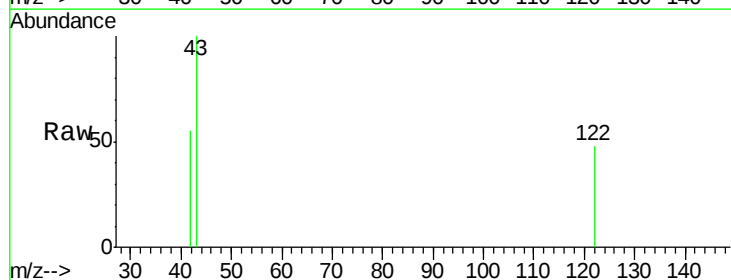
Instrument :
BNA_G
ClientSampleId :
G-3

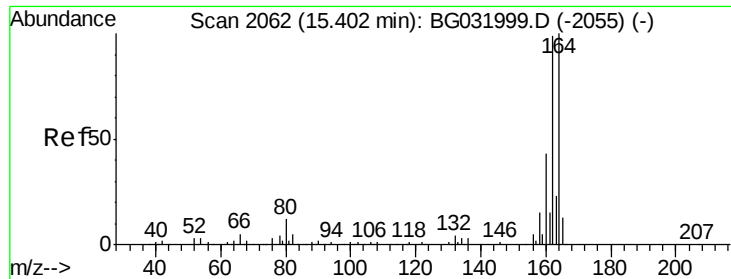
Tgt Ion:128 Resp: 48433
Ion Ratio Lower Upper
128 100
129 10.5 8.6 12.8
127 14.8 11.6 17.4



#32
Benzoic acid
Concen: 5.285 ng
RT: 10.83 min Scan# 1284
Delta R.T. -0.06 min
Lab File: BG032102.D
Acq: 17 Jan 2018 11:42

Tgt Ion:122 Resp: 73
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. -0.00 min

Lab File: BG032102.D

Acq: 17 Jan 2018 11:42

Instrument :

BNA_G

ClientSampleId :

G-3

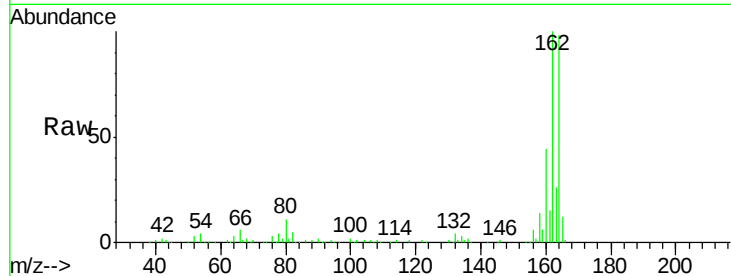
Tgt Ion:164 Resp: 132462

Ion Ratio Lower Upper

164 100

162 102.4 78.8 118.2

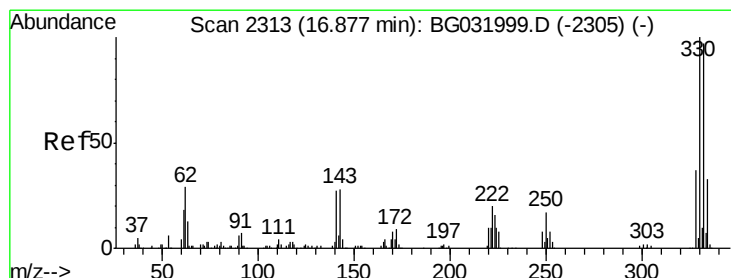
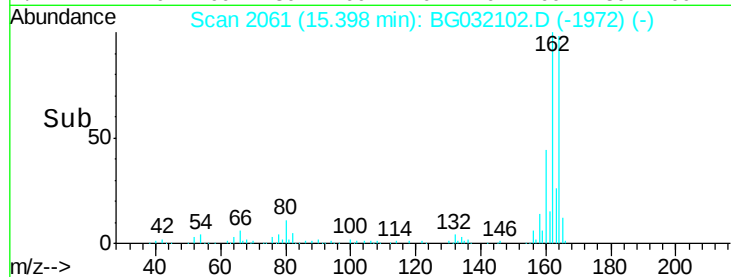
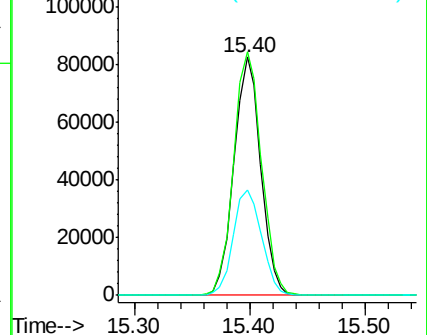
160 44.5 35.4 53.0



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: 119.537 ng

RT: 16.87 min Scan# 2312

Delta R.T. -0.00 min

Lab File: BG032102.D

Acq: 17 Jan 2018 11:42

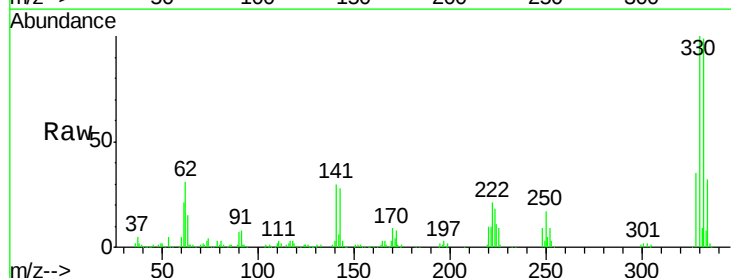
Tgt Ion:330 Resp: 262017

Ion Ratio Lower Upper

330 100

332 97.4 77.0 115.6

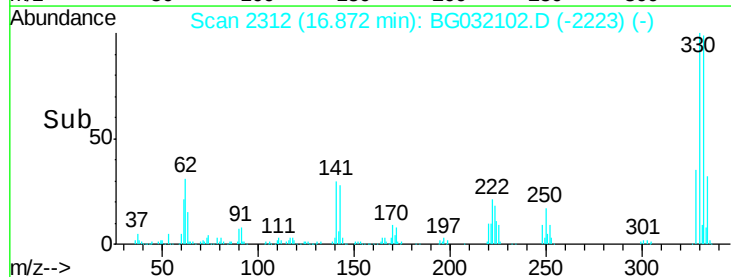
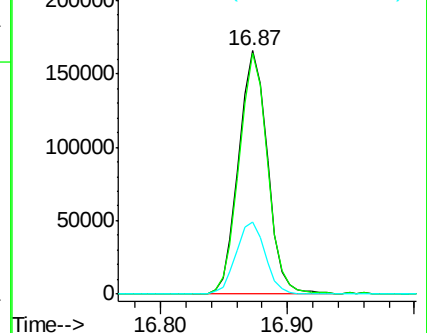
141 30.1 25.2 37.8

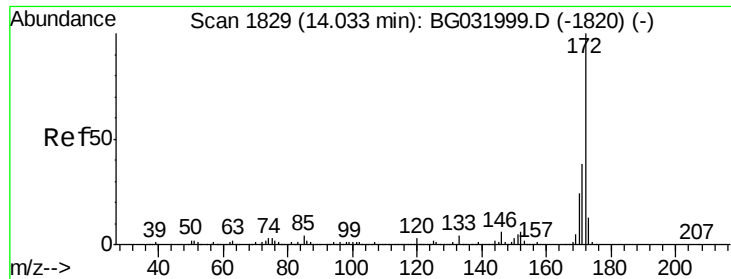


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

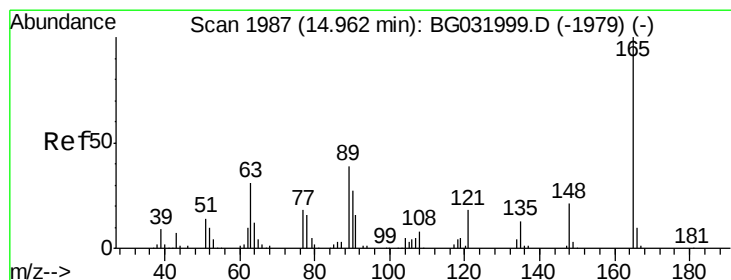
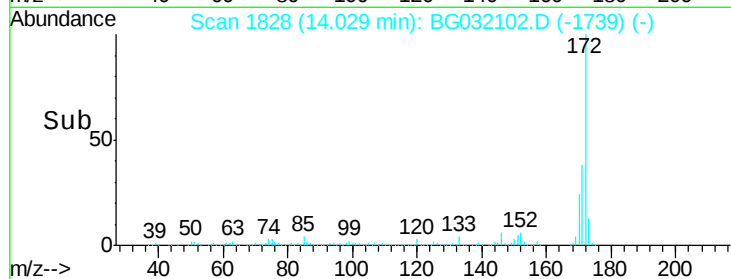
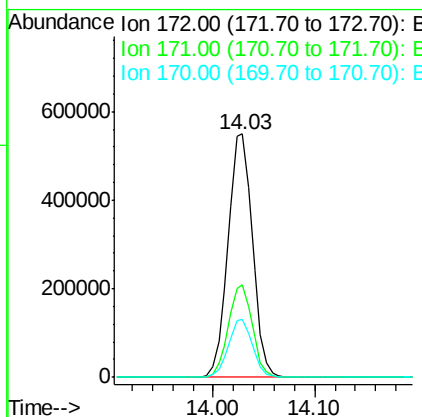
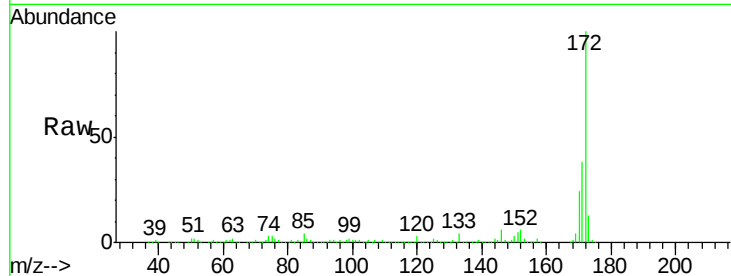




#44
 2-Fluorobiphenyl
 Concen: 85.819 ng
 RT: 14.03 min Scan# 1828
 Delta R.T. -0.00 min
 Lab File: BG032102.D
 Acq: 17 Jan 2018 11:42

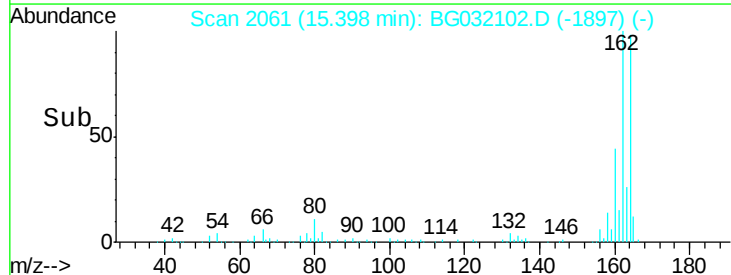
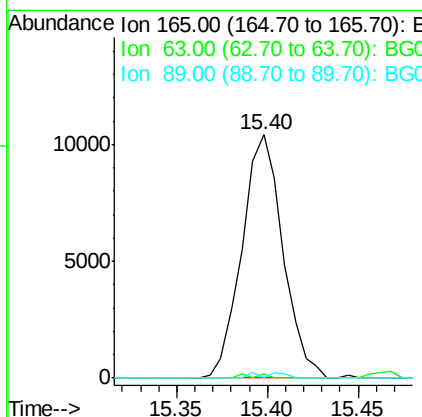
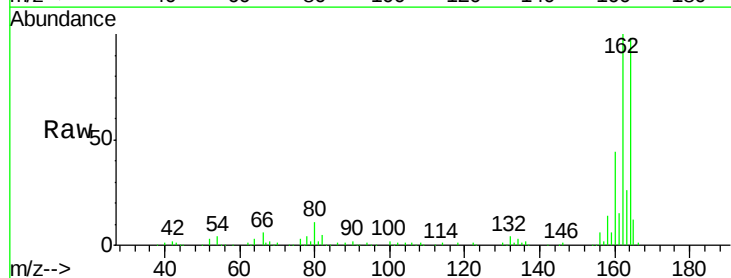
Instrument :
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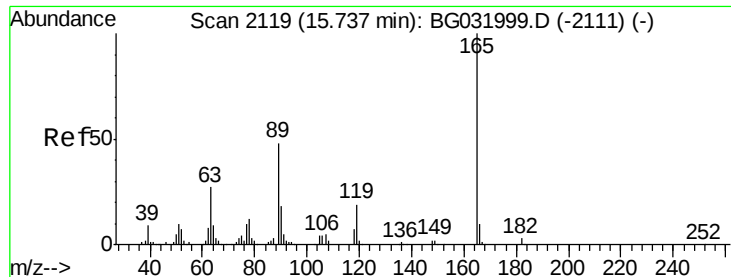
Tgt Ion:172 Resp: 916793
 Ion Ratio Lower Upper
 172 100
 171 38.0 30.0 45.0
 170 23.7 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.792 ng
 RT: 15.40 min Scan# 2061
 Delta R.T. 0.44 min
 Lab File: BG032102.D
 Acq: 17 Jan 2018 11:42

Tgt Ion:165 Resp: 16342
 Ion Ratio Lower Upper
 165 100
 63 1.5 52.7 79.1#
 89 0.0 49.2 73.8#

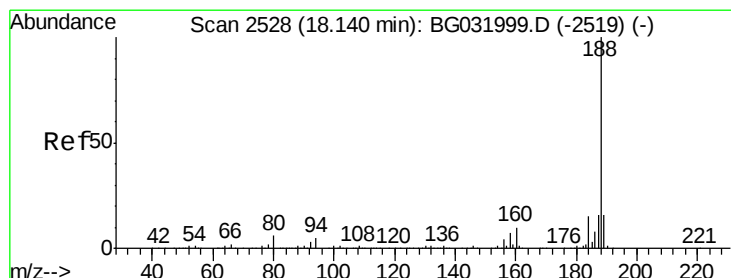
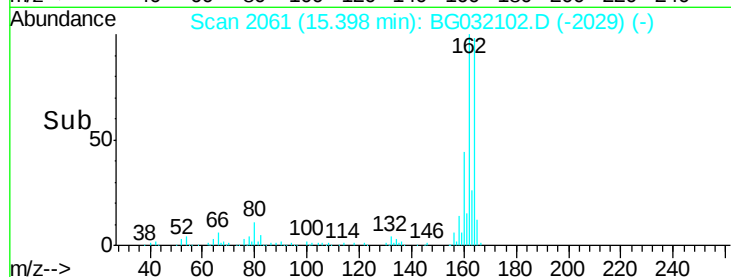
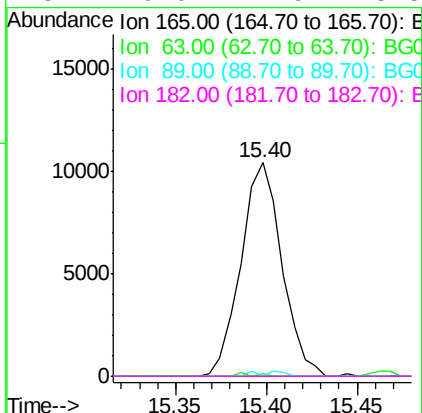
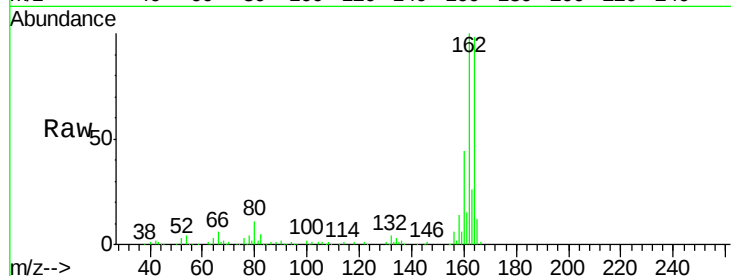




#56
 2,4-Dinitrotoluene
 Concen: 5.045 ng
 RT: 15.40 min Scan# 2061
 Delta R.T. -0.34 min
 Lab File: BG032102.D
 Acq: 17 Jan 2018 11:42

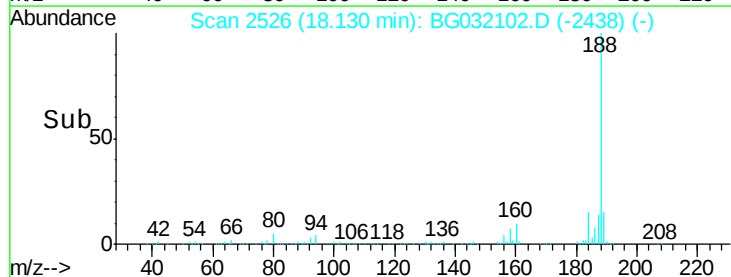
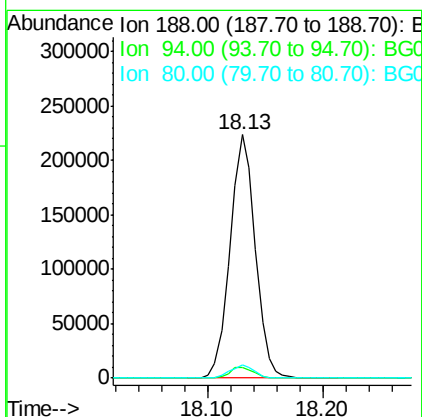
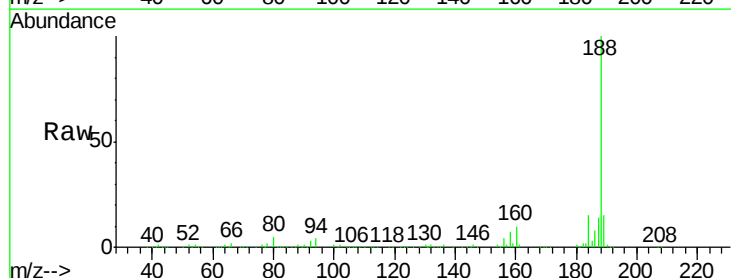
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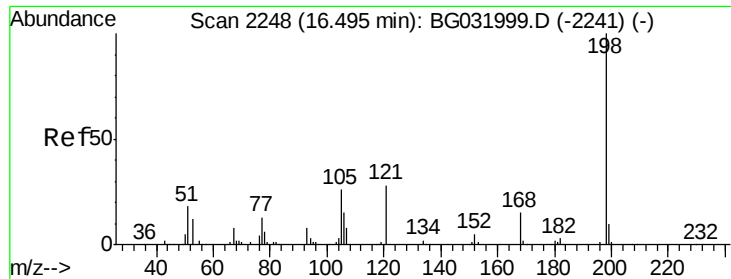
Tgt Ion:165 Resp: 16342
 Ion Ratio Lower Upper
 165 100
 63 1.5 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.13 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BG032102.D
 Acq: 17 Jan 2018 11:42

Tgt Ion:188 Resp: 337731
 Ion Ratio Lower Upper
 188 100
 94 4.4 6.9 10.3#
 80 5.3 7.7 11.5#

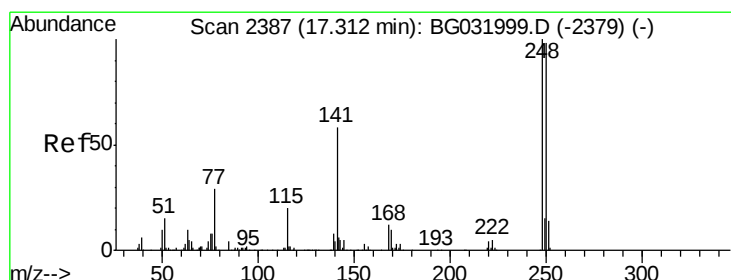
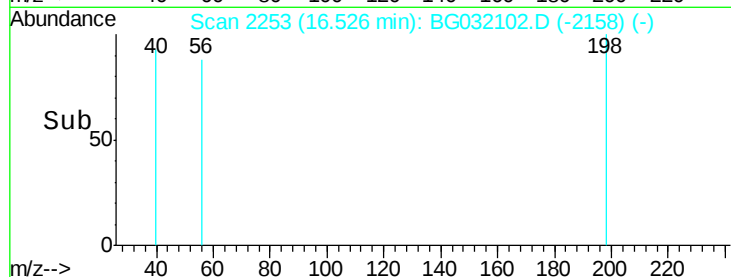
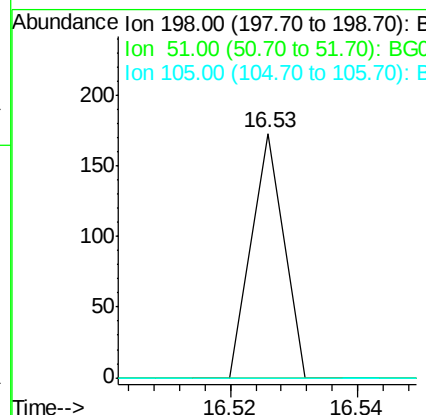
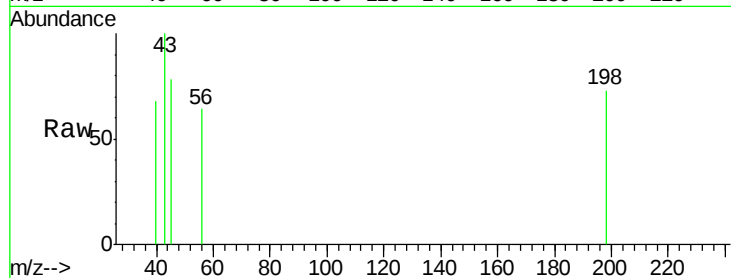




#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.910 ng
 RT: 16.53 min Scan# 2253
 Delta R.T. 0.03 min
 Lab File: BG032102.D
 Acq: 17 Jan 2018 11:42

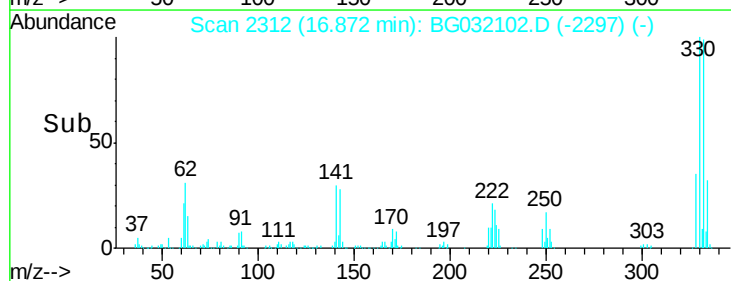
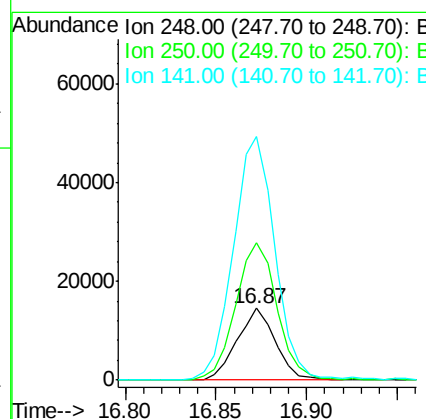
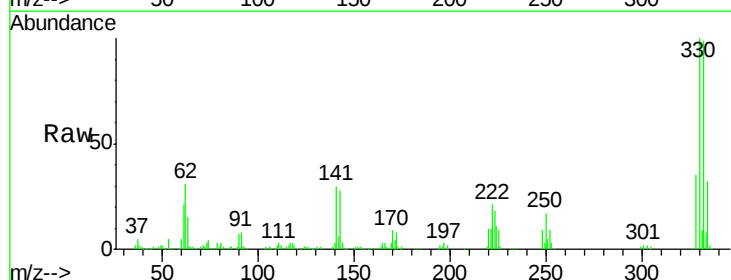
Instrument :
 BNA_G
 ClientSampleId :
 G-3

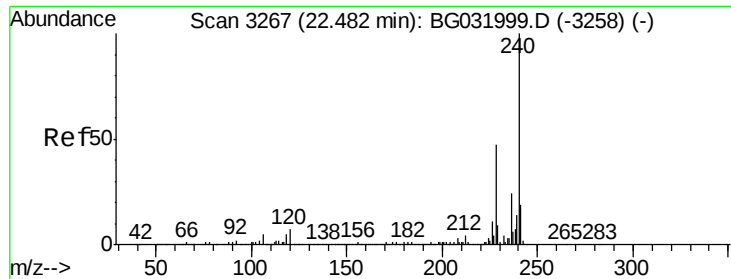
Tgt Ion:198 Resp: 61
 Ion Ratio Lower Upper
 198 100
 51 0.0 30.6 70.6#
 105 0.0 23.8 63.8#



#66
 4-Bromophenyl-phenylether
 Concen: 4.445 ng
 RT: 16.87 min Scan# 2312
 Delta R.T. -0.44 min
 Lab File: BG032102.D
 Acq: 17 Jan 2018 11:42

Tgt Ion:248 Resp: 21360
 Ion Ratio Lower Upper
 248 100
 250 191.5 77.1 115.7#
 141 338.8 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.47 min Scan# 3264

Delta R.T. -0.02 min

Lab File: BG032102.D

Acq: 17 Jan 2018 11:42

Instrument :

BNA_G

ClientSampleId :

G-3

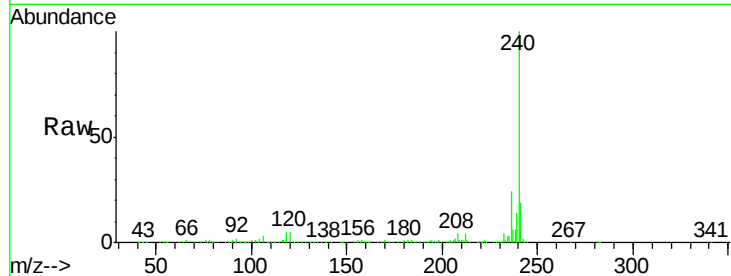
Tgt Ion:240 Resp: 407883

Ion Ratio Lower Upper

240 100

120 5.1 6.8 10.2#

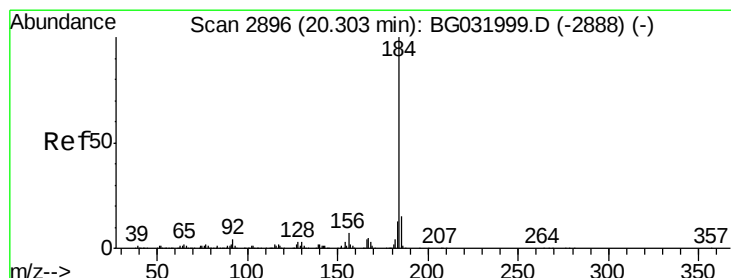
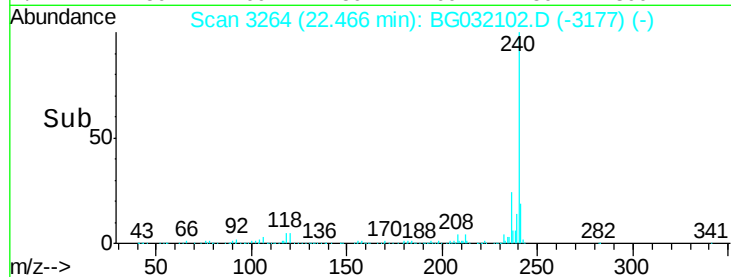
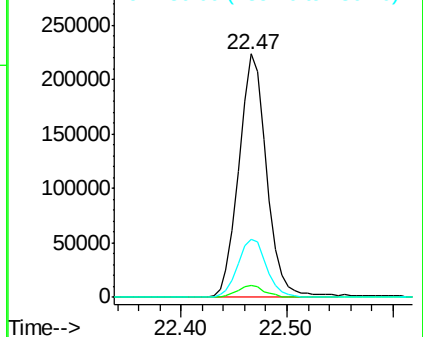
236 24.1 20.9 31.3



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: 2.337 ng

RT: 20.66 min Scan# 2957

Delta R.T. 0.36 min

Lab File: BG032102.D

Acq: 17 Jan 2018 11:42

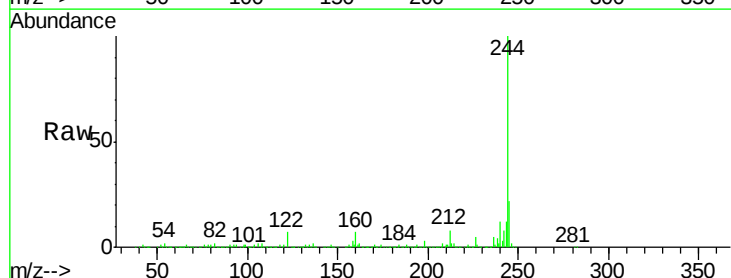
Tgt Ion:184 Resp: 23840

Ion Ratio Lower Upper

184 100

185 21.4 11.1 16.7#

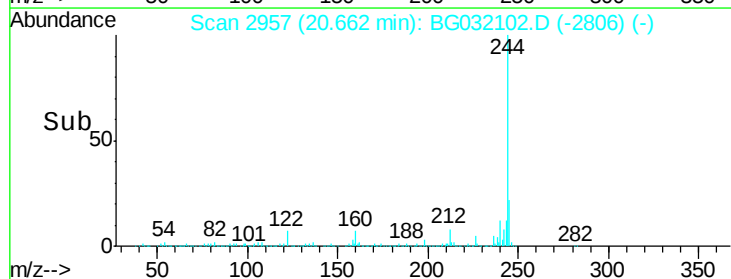
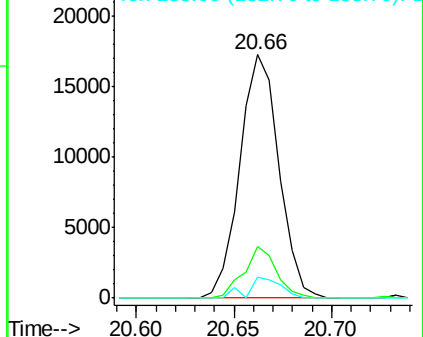
183 8.8 10.6 16.0#

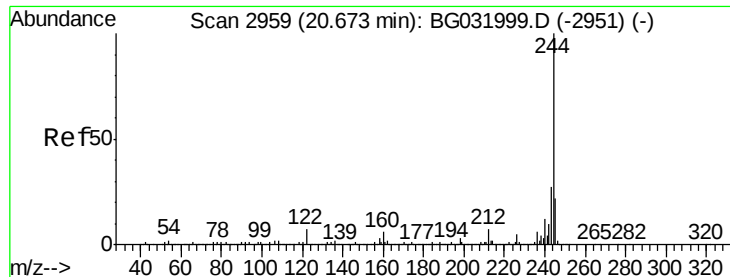


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 93.626 ng

RT: 20.66 min Scan# 2957

Delta R.T. -0.01 min

Lab File: BG032102.D

Acq: 17 Jan 2018 11:42

Instrument :

BNA_G

ClientSampleId :

G-3

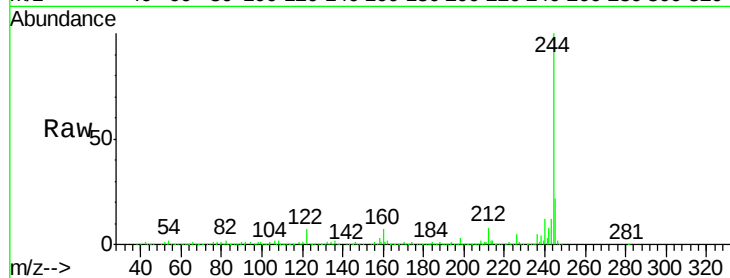
Tgt Ion:244 Resp: 1729510

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

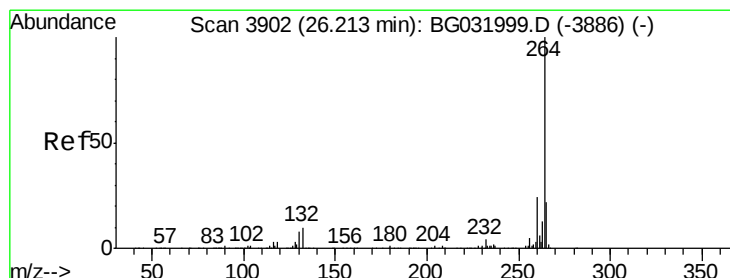
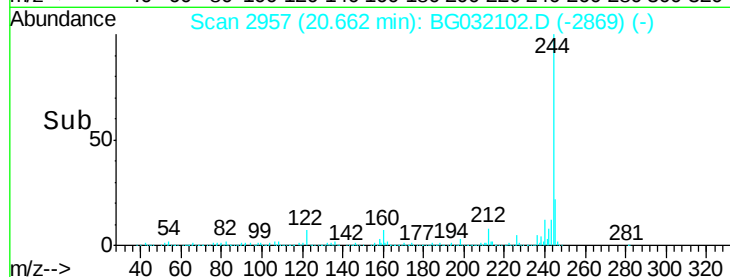
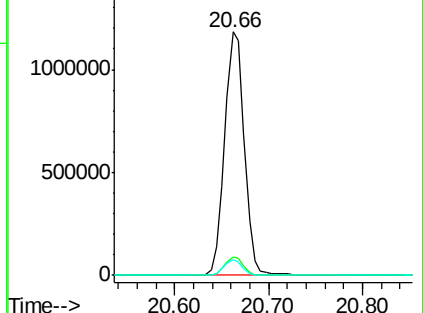
122 6.6 7.0 10.4#



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: 26.19 min Scan# 3897

Delta R.T. -0.03 min

Lab File: BG032102.D

Acq: 17 Jan 2018 11:42

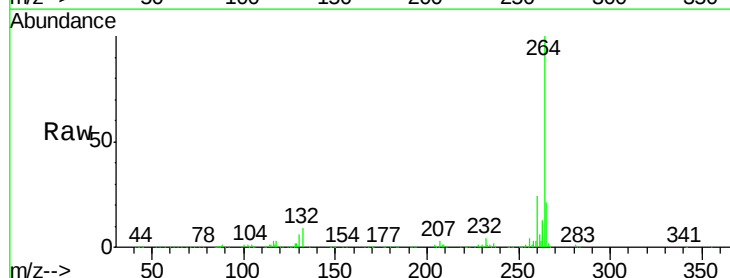
Tgt Ion:264 Resp: 413170

Ion Ratio Lower Upper

264 100

260 24.3 17.4 26.0

265 21.3 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

