

Data Path : U:\HPCHEM1\BNA G\DATA\BG011618\
 Data File : BG032080.D
 Acq On : 16 Jan 2018 21:45
 Operator : SJ/JU
 Sample : PB105700BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 17 00:57:54 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

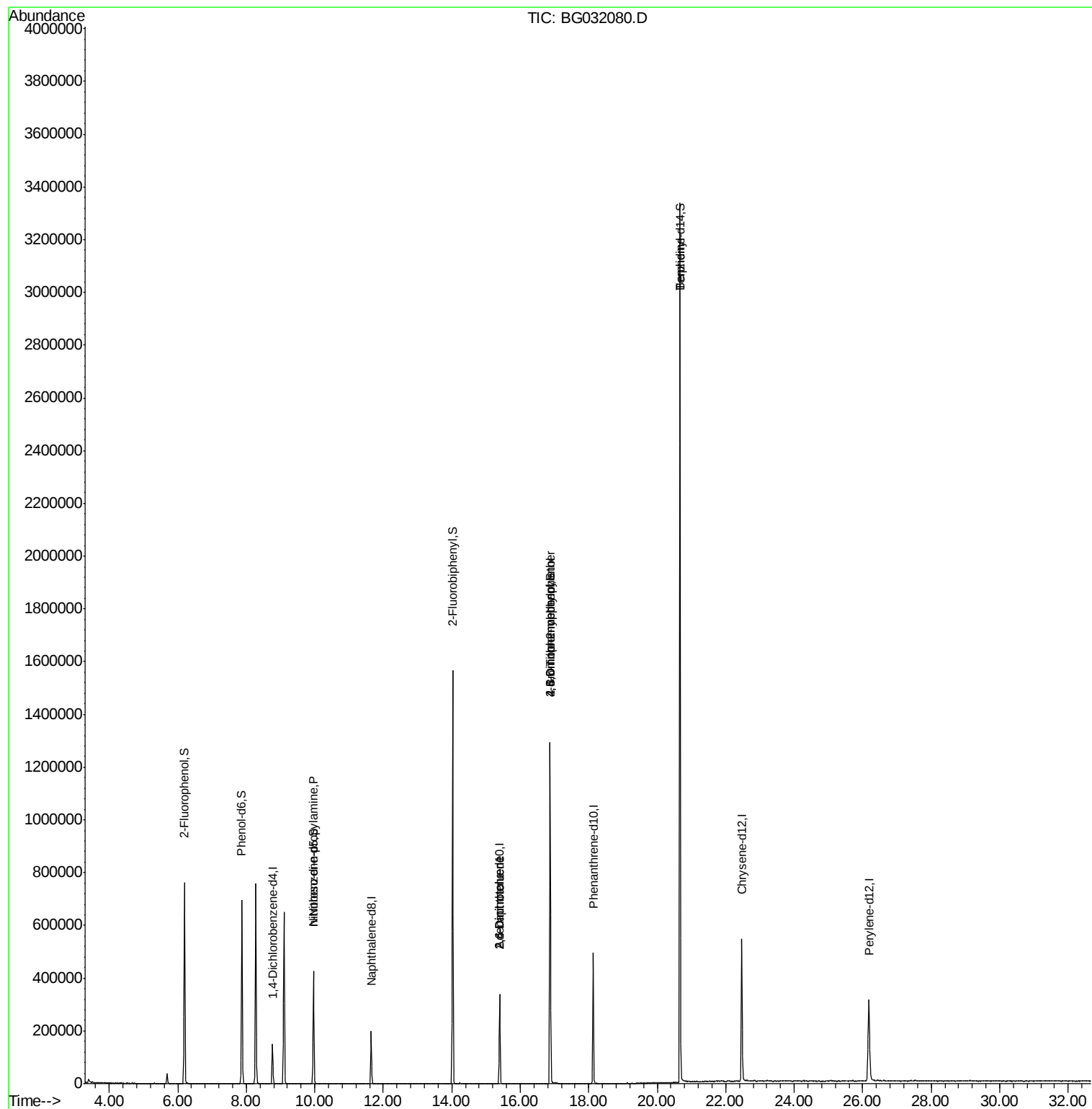
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.76	152	52011	20.00	ng	-0.01
21) Naphthalene-d8	11.65	136	196740	20.00	ng	-0.01
38) Acenaphthene-d10	15.40	164	130678	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	341692	20.00	ng	-0.01
75) Chrysene-d12	22.47	240	420313	20.00	ng	-0.02
86) Perylene-d12	26.18	264	431600	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.20	112	386552	135.93	ng	0.00
7) Phenol-d6	7.88	99	469789	131.17	ng	0.00
23) Nitrobenzene-d5	9.96	82	273691	94.12	ng	-0.01
41) 2,4,6-Tribromophenol	16.87	330	296894	137.30	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	947557	89.91	ng	0.00
78) Terphenyl-d14	20.66	244	1767011	92.83	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.96	70	38400	17.280	ng	# 71
50) 2,6-Dinitrotoluene	15.40	165	17328	7.300	ng	# 20
56) 2,4-Dinitrotoluene	15.40	165	17328	5.422	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.87	198	882	5.247	ng	# 45
66) 4-Bromophenyl-phenylether	16.87	248	25197	5.183	ng	# 1
76) Benzidine	20.66	184	25713	2.446	ng	# 92

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

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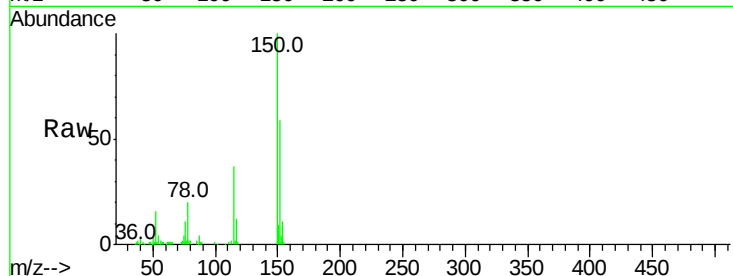


#1

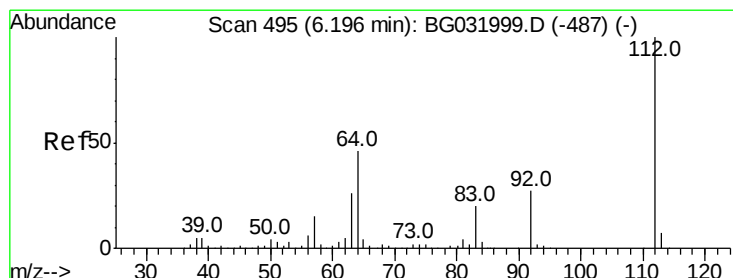
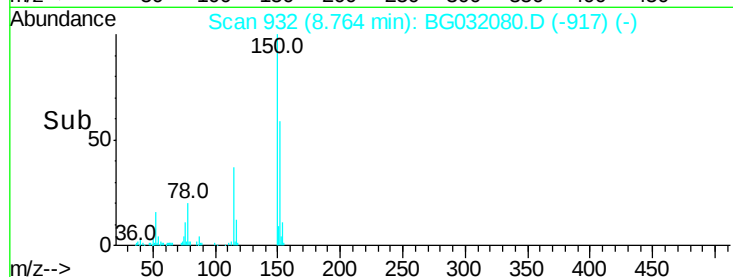
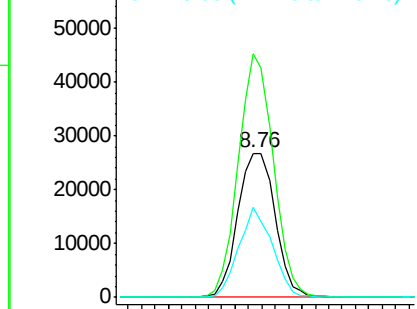
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.76 min Scan# 932
Delta R.T. -0.01 min
Lab File: BG032080.D
Acq: 16 Jan 2018 21:45

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 52011
Ion Ratio Lower Upper
152 100
150 168.8 126.6 189.8
115 62.0 53.0 79.4



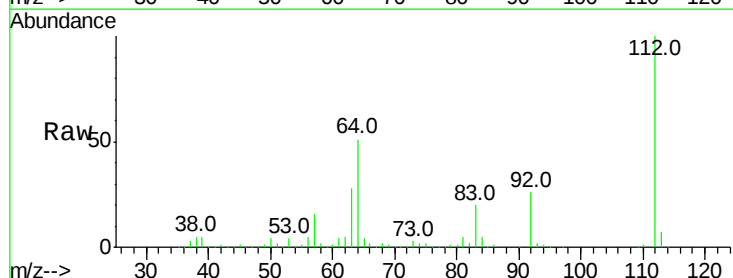
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



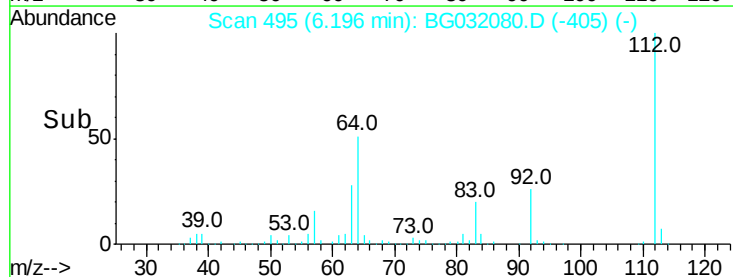
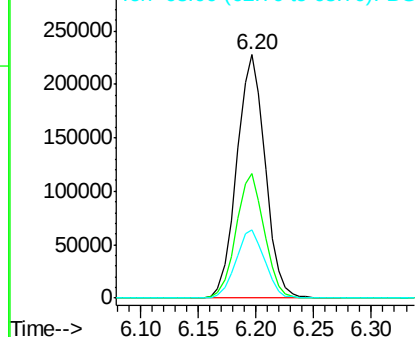
#5

2-Fluorophenol
Concen: 135.929 ng
RT: 6.20 min Scan# 495
Delta R.T. 0.00 min
Lab File: BG032080.D
Acq: 16 Jan 2018 21:45

Tgt Ion:112 Resp: 386552
Ion Ratio Lower Upper
112 100
64 51.0 56.3 84.5#
63 28.2 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: 131.168 ng

RT: 7.88 min Scan# 781

Delta R.T. 0.00 min

Lab File: BG032080.D

Acq: 16 Jan 2018 21:45

Instrument :

BNA_G

ClientSampleId :

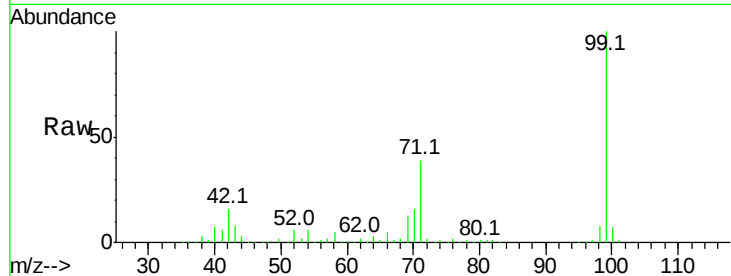
Tot Ion: 99 Resp: 469789

Ion Ratio Lower Upper

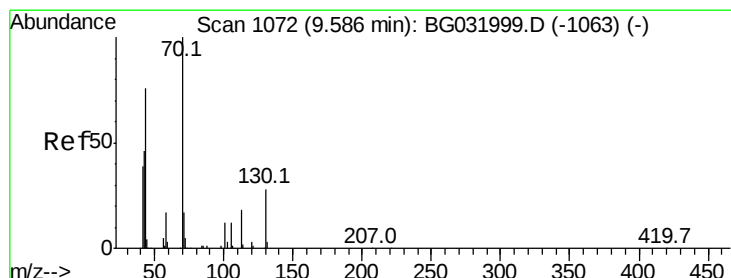
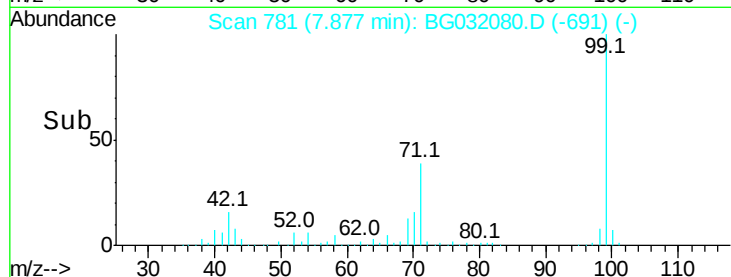
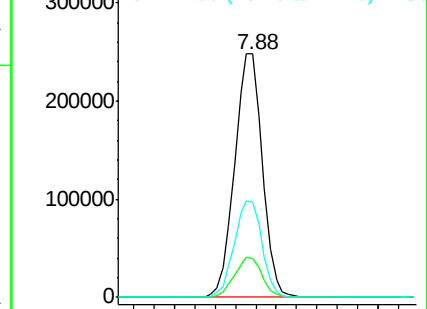
99 100

42 16.1 14.1 21.1

71 39.1 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: 17.280 ng

RT: 9.96 min Scan# 1136

Delta R.T. 0.38 min

Lab File: BG032080.D

Acq: 16 Jan 2018 21:45

Tgt Ion: 70 Resp: 38400

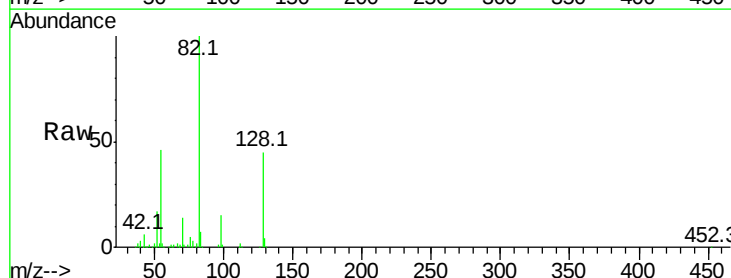
Ion Ratio Lower Upper

70 100

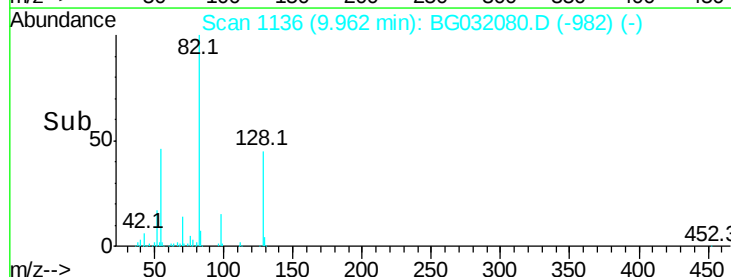
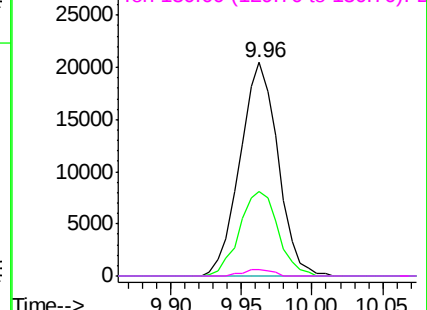
42 39.6 49.1 73.7#

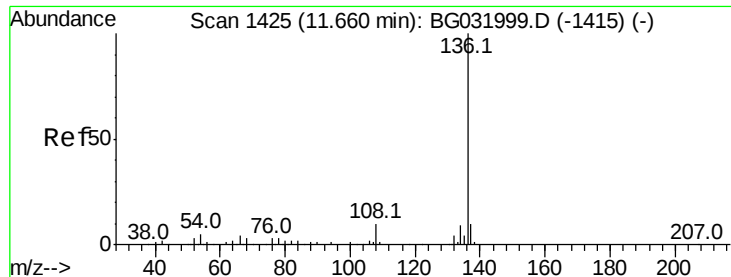
101 0.0 8.5 12.7#

130 2.8 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: BG032080.D

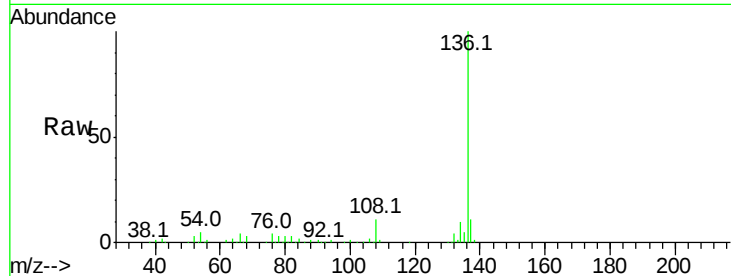
Acq: 16 Jan 2018 21:45

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	136	Resp:	196740
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	4.8	10.3	15.5#
68	3.3	4.5	6.7#

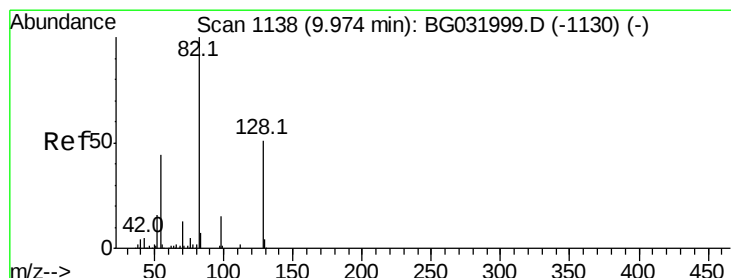
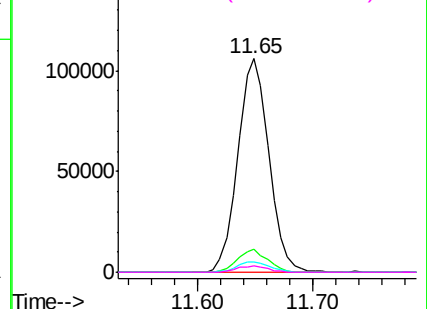
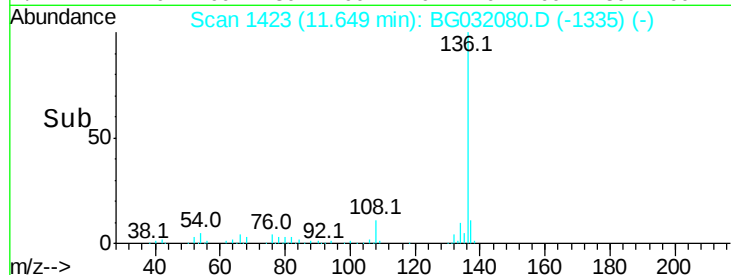


Abundance Ion 136.00 (135.70 to 136.70): BGC

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: 94.116 ng

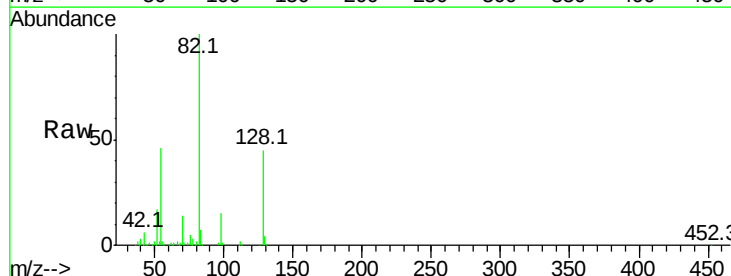
RT: 9.96 min Scan# 1136

Delta R.T. -0.01 min

Lab File: BG032080.D

Acq: 16 Jan 2018 21:45

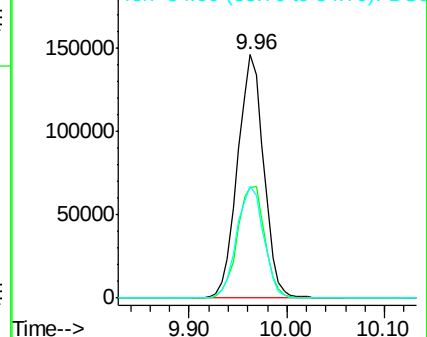
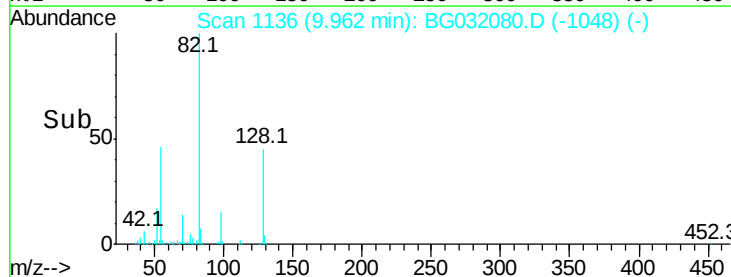
Tgt Ion:	82	Resp:	273691
Ion	Ratio	Lower	Upper
82	100		
128	45.2	29.7	44.5#
54	45.8	43.1	64.7

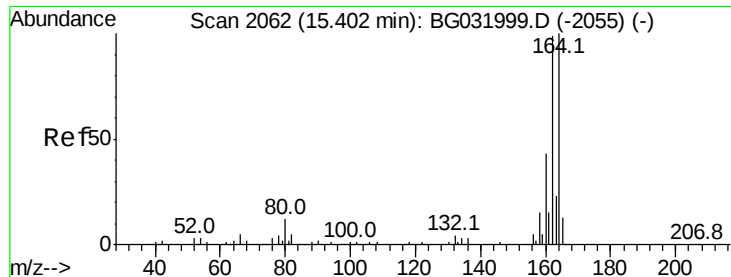


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.40 min Scan# 2061

Delta R.T. -0.01 min

Lab File: BG032080.D

Acq: 16 Jan 2018 21:45

Instrument :

BNA_G

ClientSampleId :

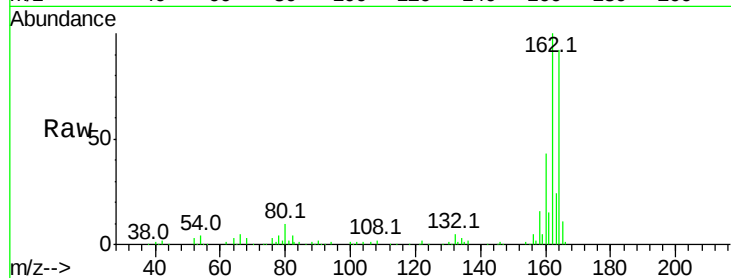
Tot Ion:164 Resp: 130678

Ion Ratio Lower Upper

164 100

162 109.3 78.8 118.2

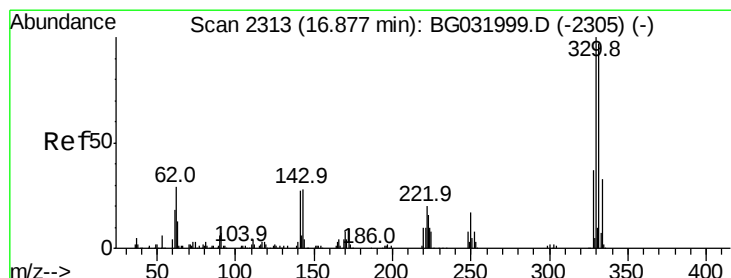
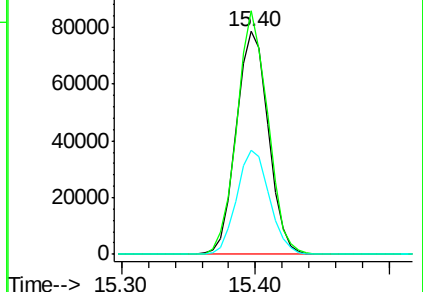
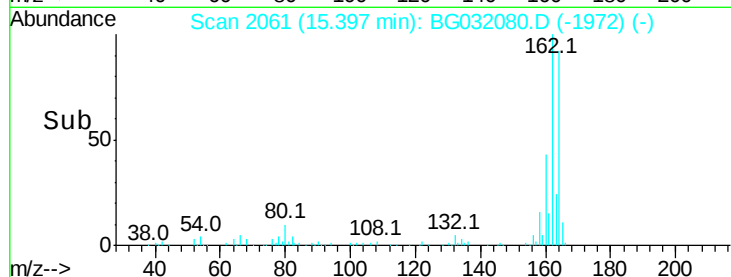
160 46.8 35.4 53.0



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: 137.297 ng

RT: 16.87 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BG032080.D

Acq: 16 Jan 2018 21:45

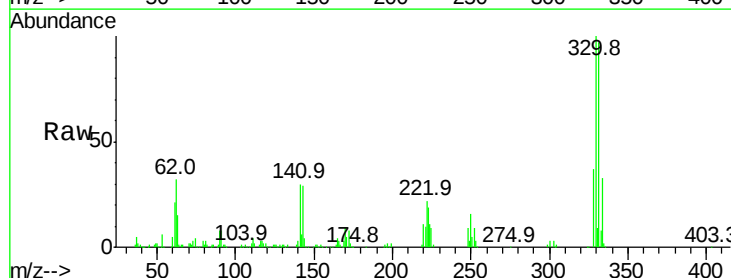
Tgt Ion:330 Resp: 296894

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

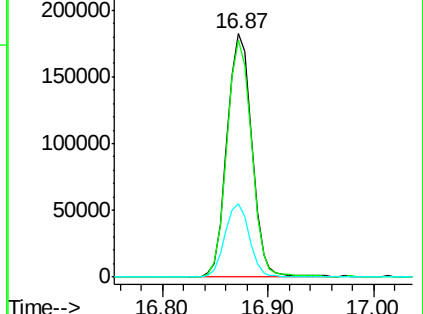
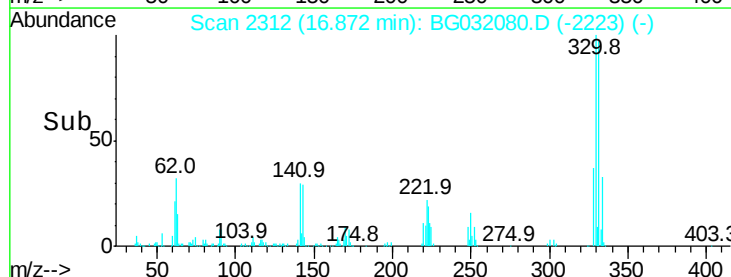
141 29.9 25.2 37.8

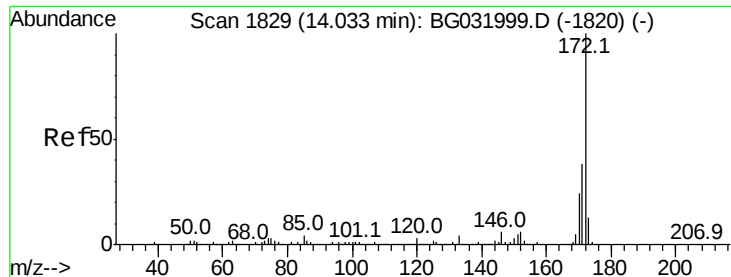


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

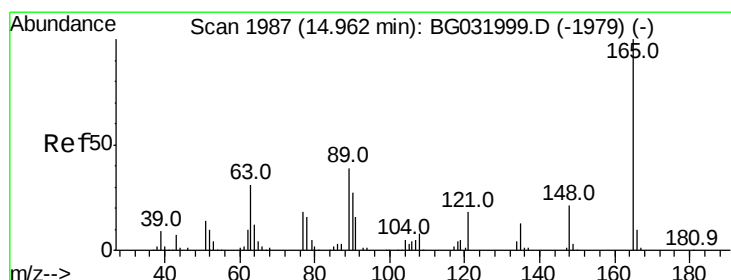
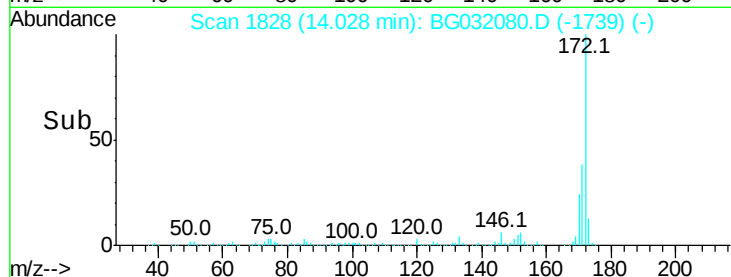
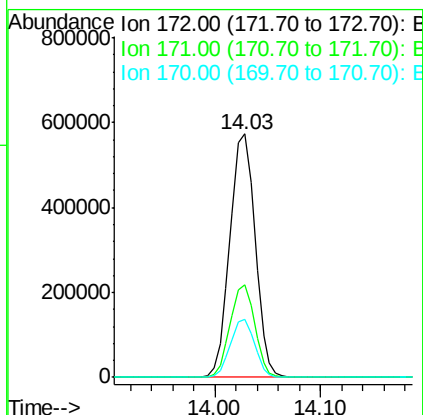
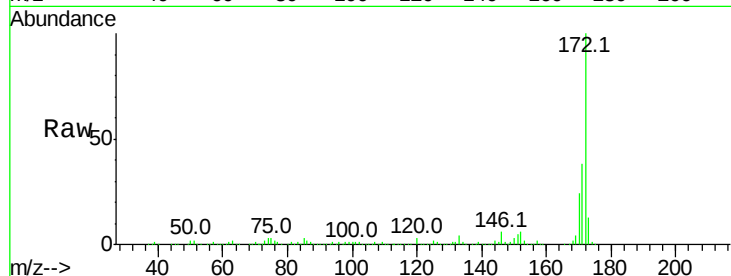




#44
2-Fluorobiphenyl
Concen: 89.910 ng
RT: 14.03 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BG032080.D
Acq: 16 Jan 2018 21:45

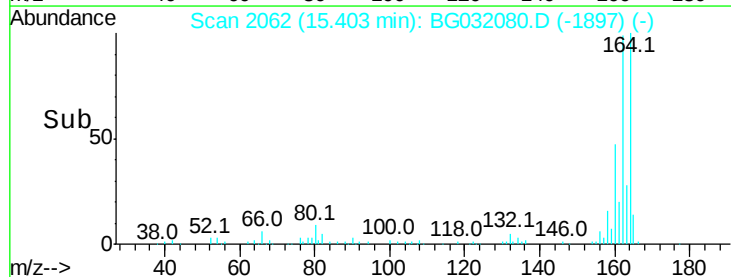
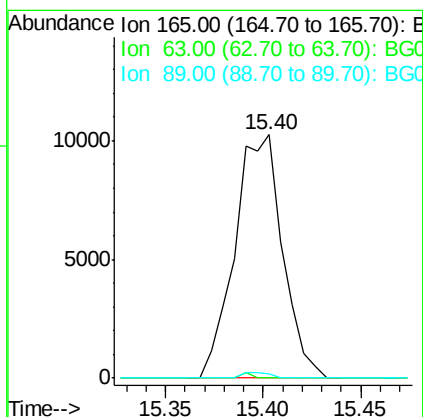
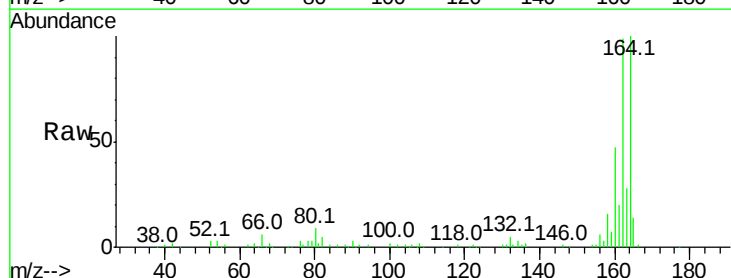
Instrument :
BNA_G
ClientSampleId :

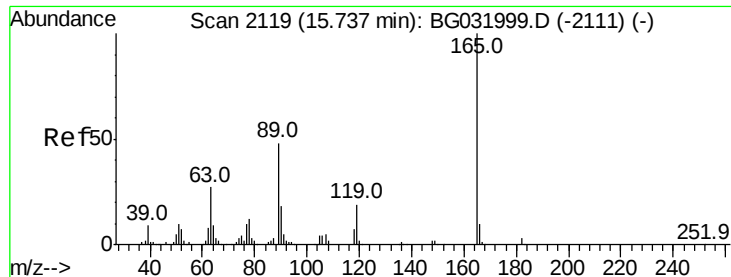
Tot Ion:172 Resp: 947557
Ion Ratio Lower Upper
172 100
171 38.2 30.0 45.0
170 23.9 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.300 ng
RT: 15.40 min Scan# 2062
Delta R.T. 0.44 min
Lab File: BG032080.D
Acq: 16 Jan 2018 21:45

Tgt Ion:165 Resp: 17328
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 1.9 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 5.422 ng

RT: 15.40 min Scan# 2062

Delta R.T. -0.33 min

Lab File: BG032080.D

Acq: 16 Jan 2018 21:45

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 17328

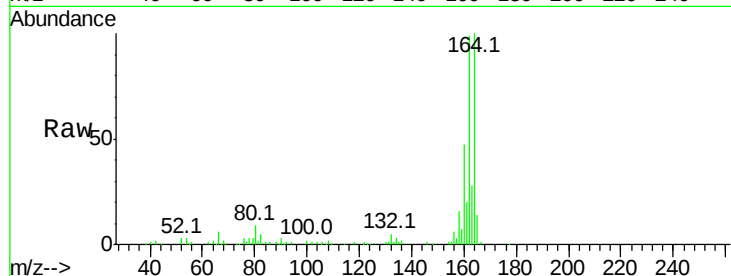
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 1.9 66.9 100.3#

182 0.0 2.6 3.8#

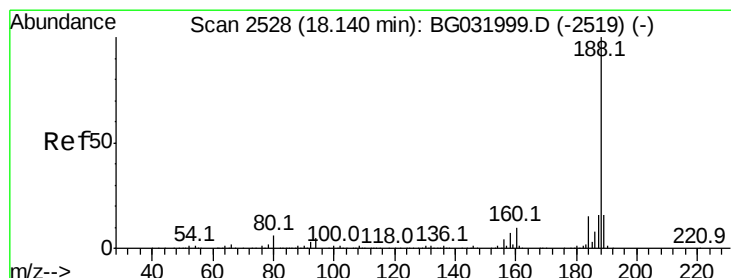
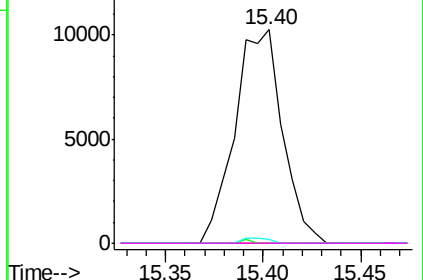
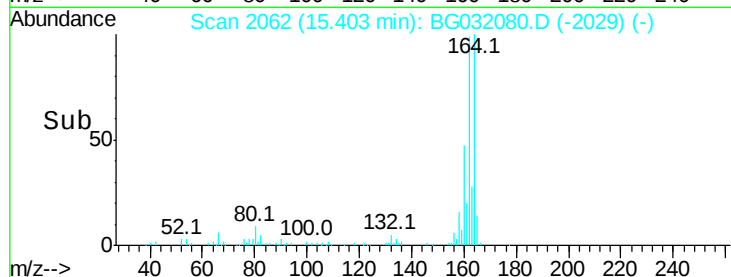


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG032080.D

Acq: 16 Jan 2018 21:45

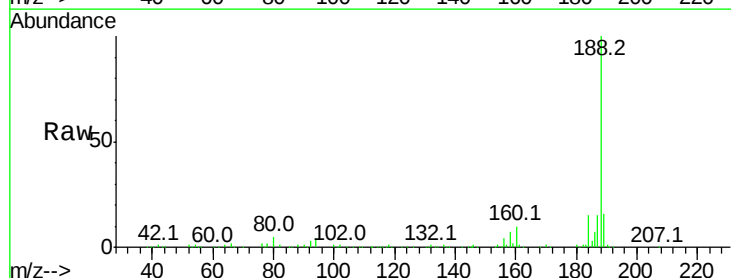
Tgt Ion:188 Resp: 341692

Ion Ratio Lower Upper

188 100

94 4.3 6.9 10.3#

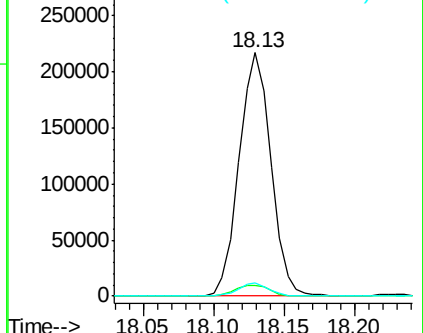
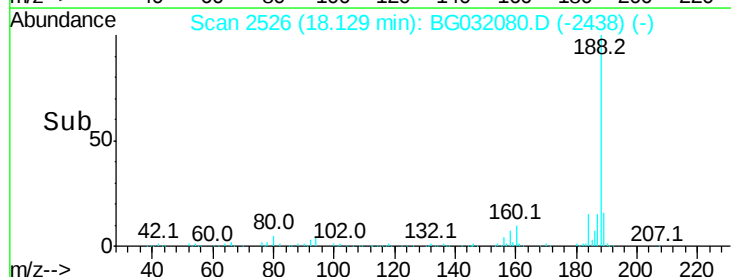
80 5.3 7.7 11.5#

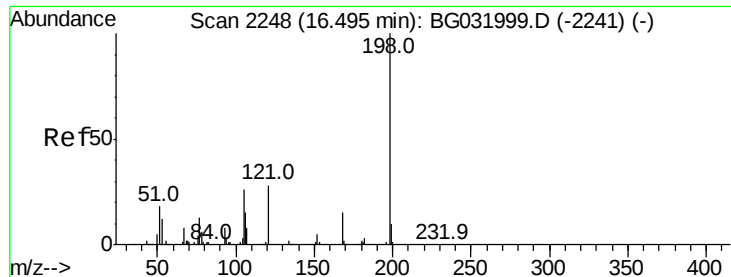


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

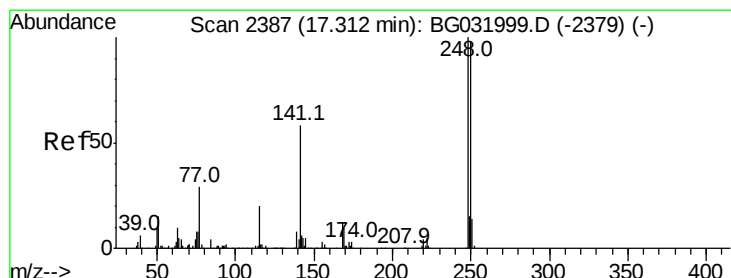
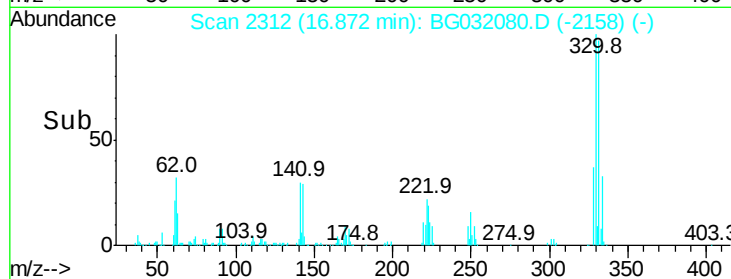
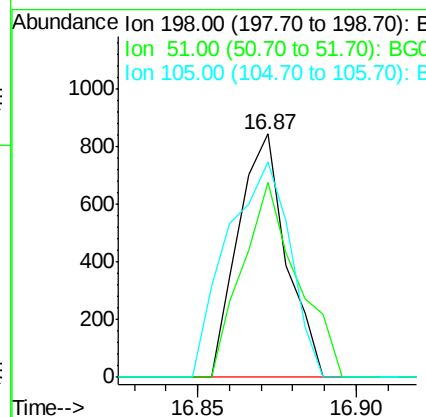
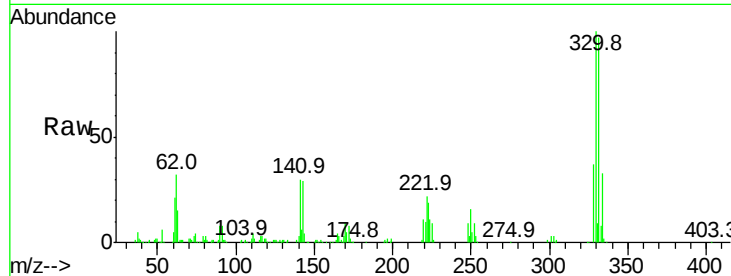




#64
4,6-Dinitro-2-methylphenol
Concen: 5.247 ng
RT: 16.87 min Scan# 2312
Delta R.T. 0.38 min
Lab File: BG032080.D
Acq: 16 Jan 2018 21:45

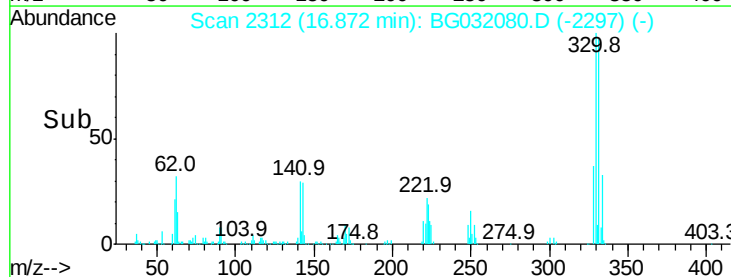
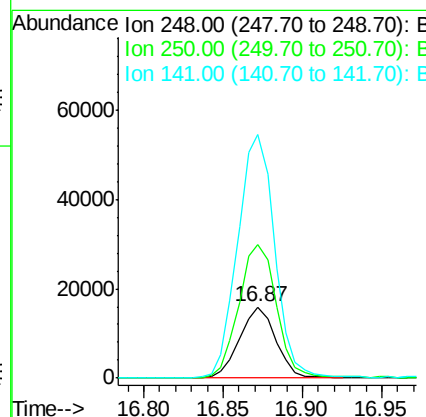
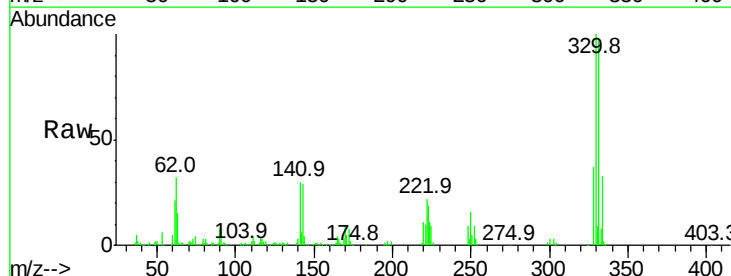
Instrument :
BNA_G
ClientSampleId :

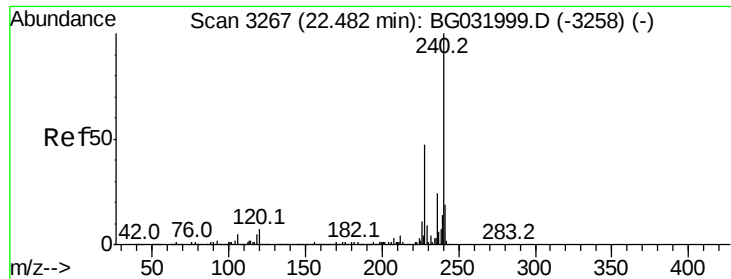
Tot Ion:198 Resp: 882
Ion Ratio Lower Upper
198 100
51 80.1 30.6 70.6#
105 88.6 23.8 63.8#



#66
4-Bromophenyl-phenylether
Concen: 5.183 ng
RT: 16.87 min Scan# 2312
Delta R.T. -0.44 min
Lab File: BG032080.D
Acq: 16 Jan 2018 21:45

Tgt Ion:248 Resp: 25197
Ion Ratio Lower Upper
248 100
250 188.1 77.1 115.7#
141 342.3 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: BG032080.D

Acq: 16 Jan 2018 21:45

Instrument :

BNA_G

ClientSampleId :

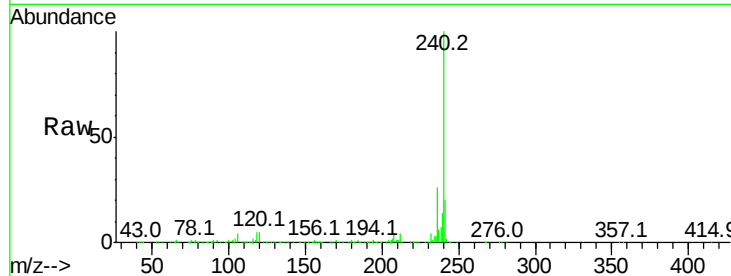
Tot Ion:240 Resp: 420313

Ion Ratio Lower Upper

240 100

120 5.5 6.8 10.2#

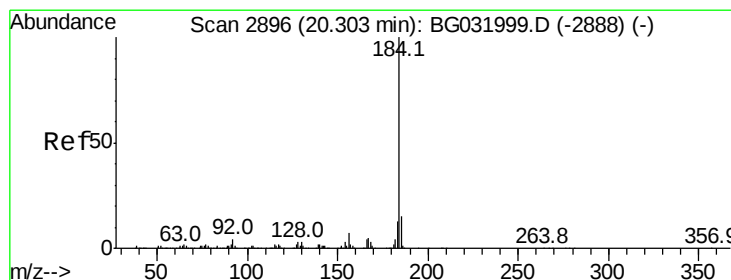
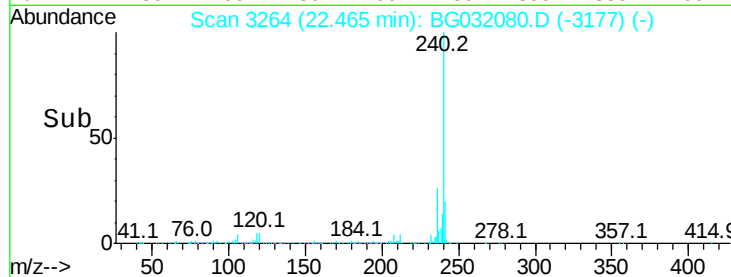
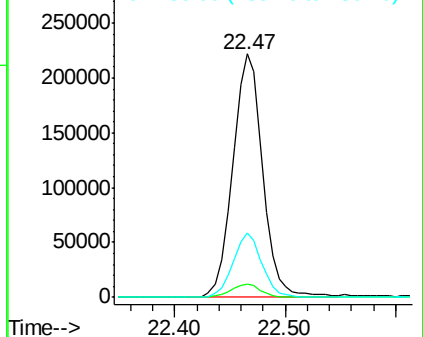
236 26.2 20.9 31.3



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: 2.446 ng

RT: 20.66 min Scan# 2957

Delta R.T. 0.36 min

Lab File: BG032080.D

Acq: 16 Jan 2018 21:45

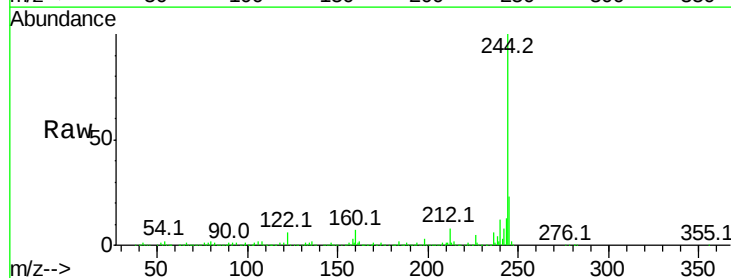
Tgt Ion:184 Resp: 25713

Ion Ratio Lower Upper

184 100

185 15.1 11.1 16.7

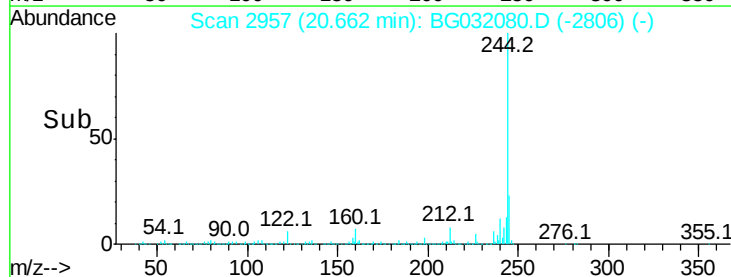
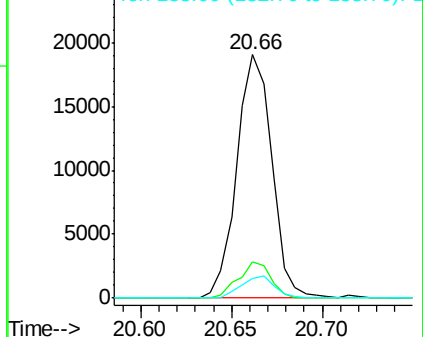
183 8.0 10.6 16.0#

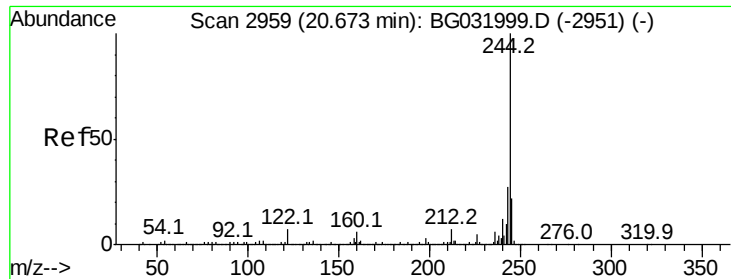


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 92.827 ng

RT: 20.66 min Scan# 2957

Delta R.T. -0.01 min

Lab File: BG032080.D

Acq: 16 Jan 2018 21:45

Instrument :

BNA_G

ClientSampleId :

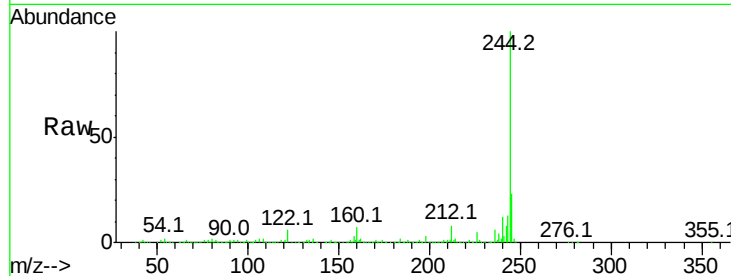
Tot Ion:244 Resp: 1767011

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

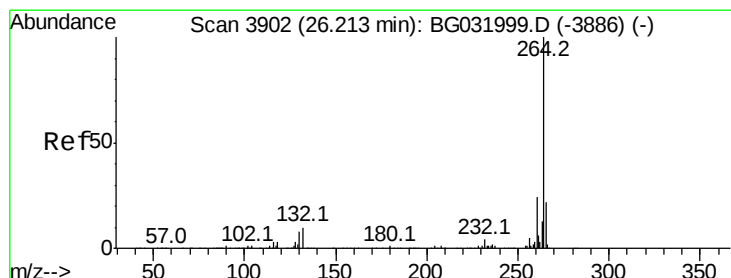
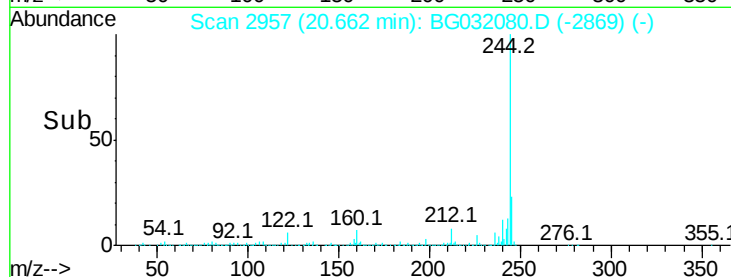
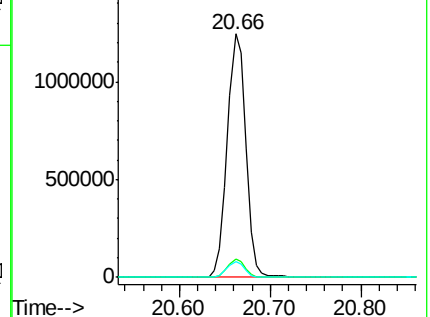
122 6.4 7.0 10.4#



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# 3896

Delta R.T. -0.03 min

Lab File: BG032080.D

Acq: 16 Jan 2018 21:45

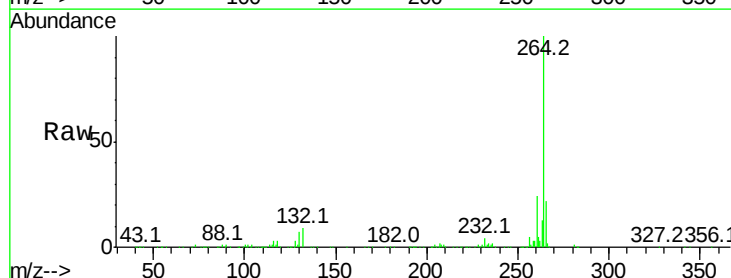
Tgt Ion:264 Resp: 431600

Ion Ratio Lower Upper

264 100

260 23.5 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

