

Data Path : U:\HPCHEM1\BNA G\DATA\BG011618\
 Data File : BG032077.D
 Acq On : 16 Jan 2018 19:53
 Operator : SJ/JU
 Sample : J1016-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 17 00:55:14 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

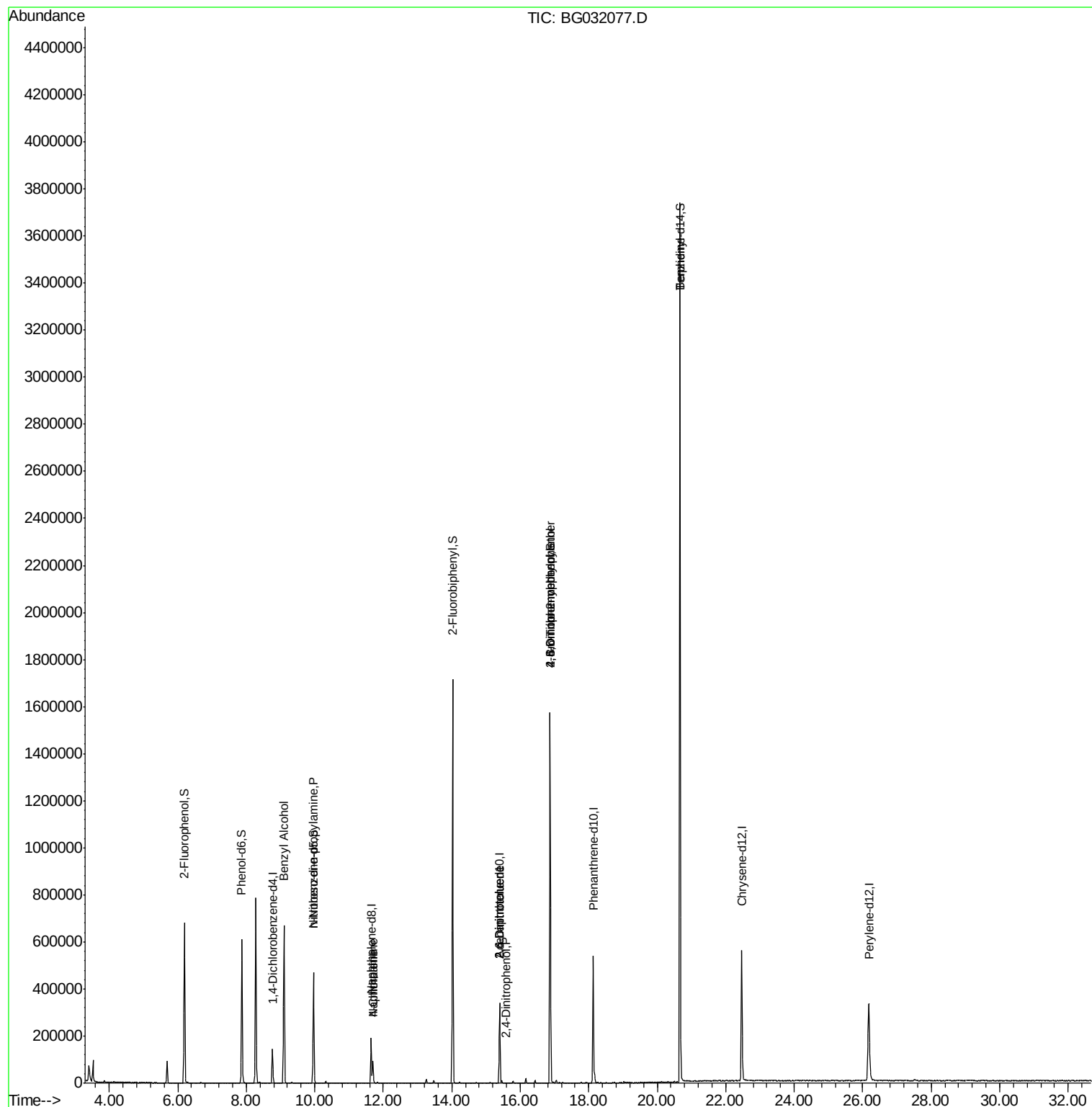
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.76	152	48771	20.00	ng	-0.01
21) Naphthalene-d8	11.65	136	190851	20.00	ng	-0.01
38) Acenaphthene-d10	15.40	164	128773	20.00	ng	0.00
63) Phenanthrene-d10	18.13	188	360429	20.00	ng	-0.01
75) Chrysene-d12	22.47	240	445135	20.00	ng	-0.02
86) Perylene-d12	26.17	264	459057	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	6.20	112	361750	135.66	ng	0.00
7) Phenol-d6	7.87	99	397777	118.44	ng	0.00
23) Nitrobenzene-d5	9.96	82	301326	106.82	ng	-0.01
41) 2,4,6-Tribromophenol	16.87	330	353889	166.08	ng	0.00
44) 2-Fluorobiphenyl	14.03	172	1031818	99.35	ng	0.00
78) Terphenyl-d14	20.66	244	2017079	100.06	ng	-0.01
Target Compounds						
15) Benzyl Alcohol	9.10	79	5494	2.252	ng	# 48
19) n-Nitroso-di-n-propylamine	9.96	70	41243	19.792	ng	# 76
31) Naphthalene	11.70	128	89444	9.461	ng	# 97
33) 4-Chloroaniline	11.70	127	11935	2.944	ng	# 34
50) 2,6-Dinitrotoluene	15.40	165	17962	7.679	ng	# 19
53) 2,4-Dinitrophenol	15.59	184	59	7.010	ng	# 1
56) 2,4-Dinitrotoluene	15.40	165	17962	5.704	ng	# 17
64) 4,6-Dinitro-2-methylphenol	16.87	198	976	5.264	ng	# 1
66) 4-Bromophenyl-phenylether	16.87	248	30011	5.852	ng	# 1
76) Benzidine	20.66	184	28765	2.584	ng	# 91

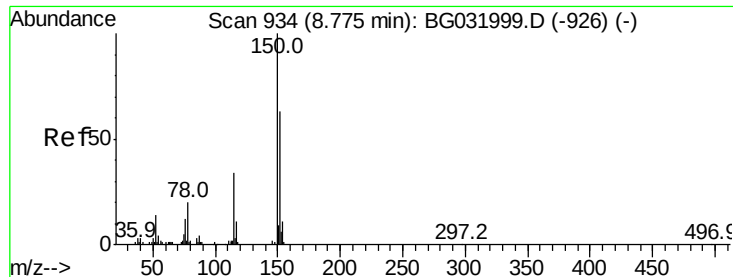
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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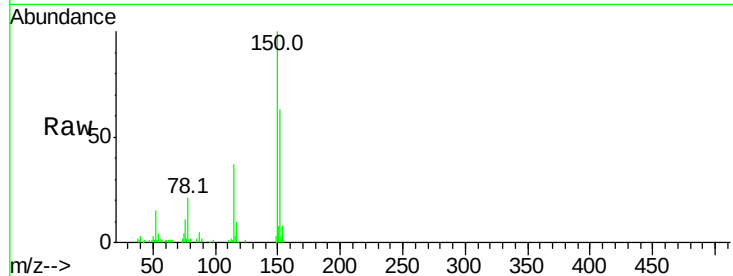


#1

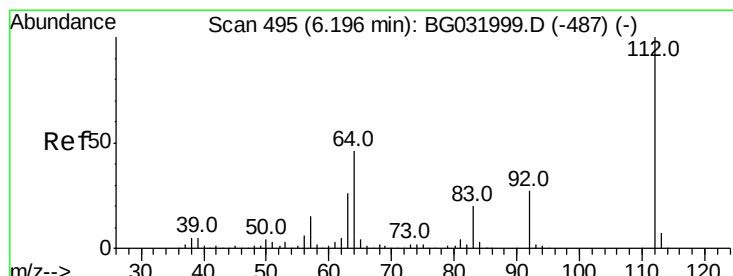
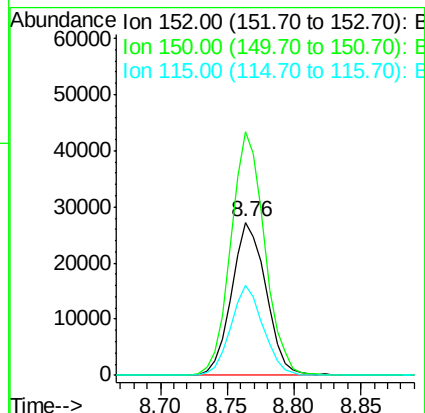
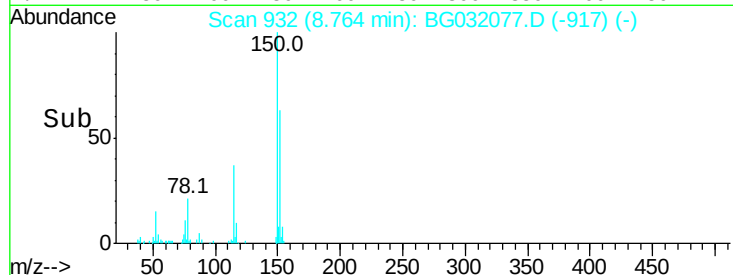
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.76 min Scan# 932
Delta R.T. -0.01 min
Lab File: BG032077.D
Acq: 16 Jan 2018 19:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 48771
Ion Ratio Lower Upper
152 100
150 158.9 126.6 189.8
115 58.9 53.0 79.4



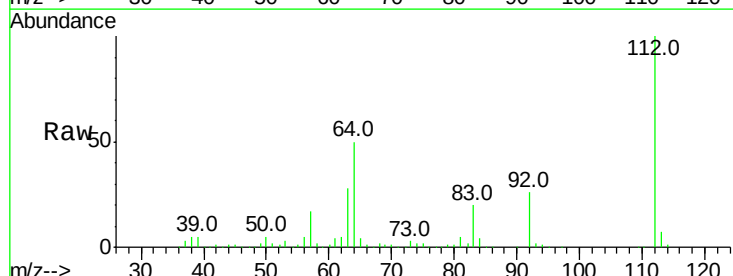
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



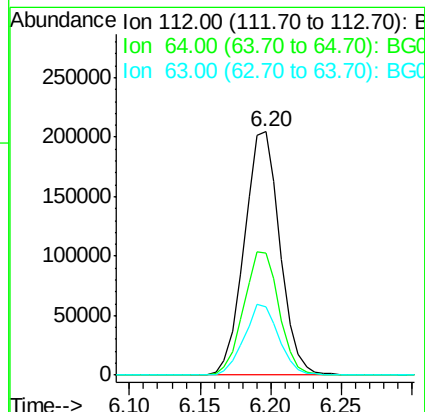
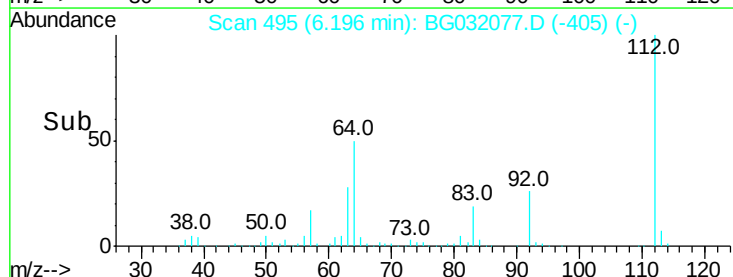
#5

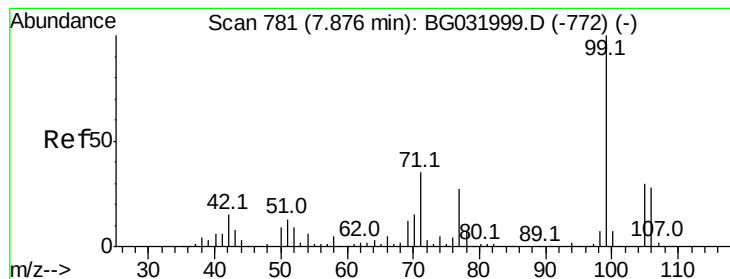
2-Fluorophenol
Concen: 135.658 ng
RT: 6.20 min Scan# 495
Delta R.T. 0.00 min
Lab File: BG032077.D
Acq: 16 Jan 2018 19:53

Tgt Ion:112 Resp: 361750
Ion Ratio Lower Upper
112 100
64 50.0 56.3 84.5#
63 28.3 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: 118.440 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.01 min

Lab File: BG032077.D

Acq: 16 Jan 2018 19:53

Instrument :

BNA_G

ClientSampled :

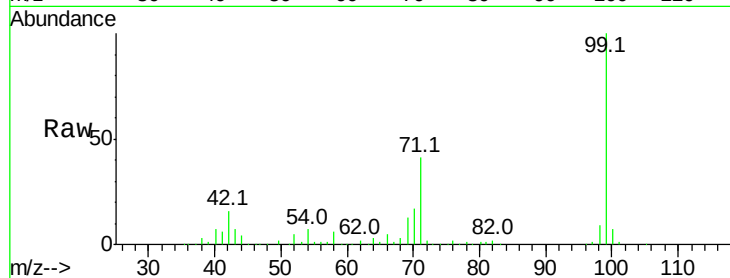
Tot Ion: 99 Resp: 397777

Ion Ratio Lower Upper

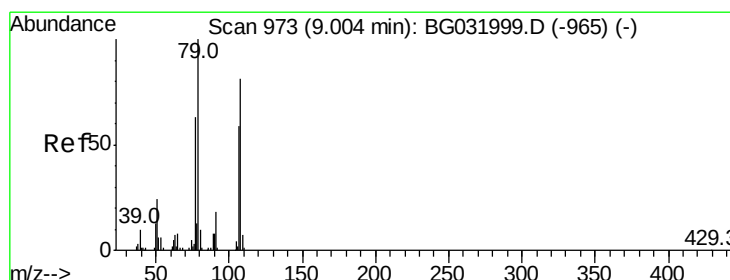
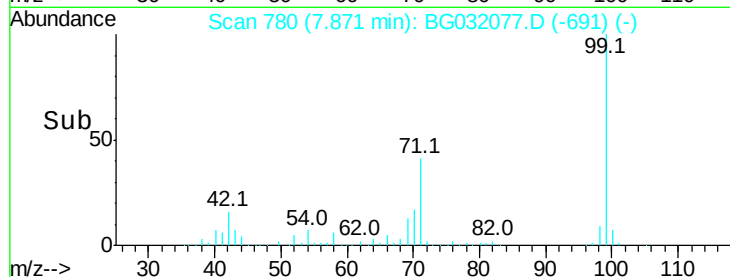
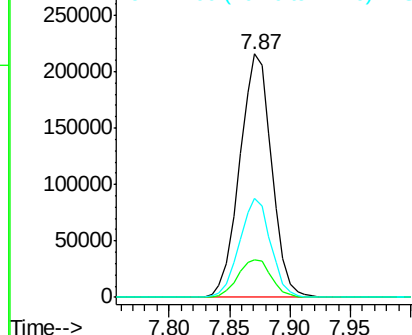
99 100

42 15.6 14.1 21.1

71 40.8 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: 2.252 ng

RT: 9.10 min Scan# 990

Delta R.T. 0.10 min

Lab File: BG032077.D

Acq: 16 Jan 2018 19:53

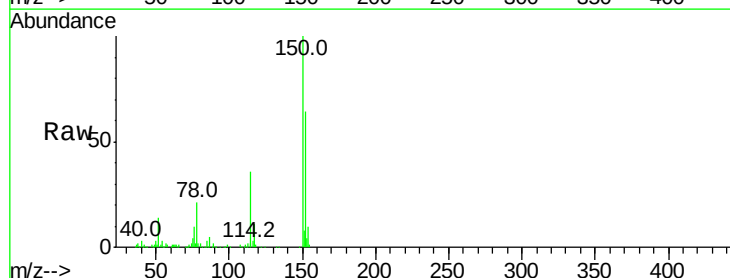
Tgt Ion: 79 Resp: 5494

Ion Ratio Lower Upper

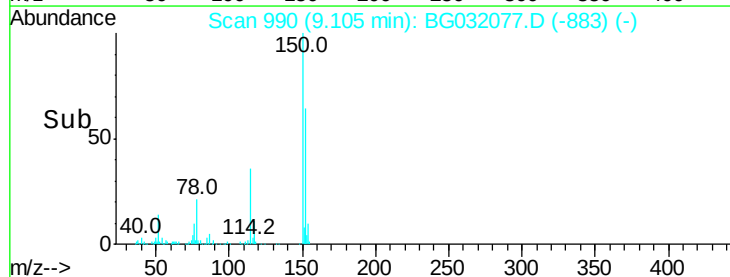
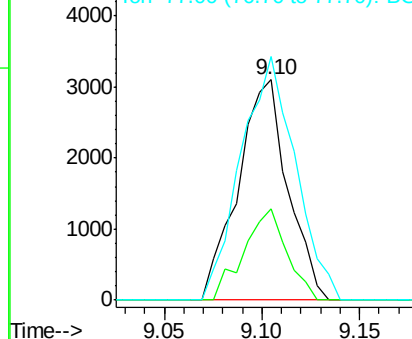
79 100

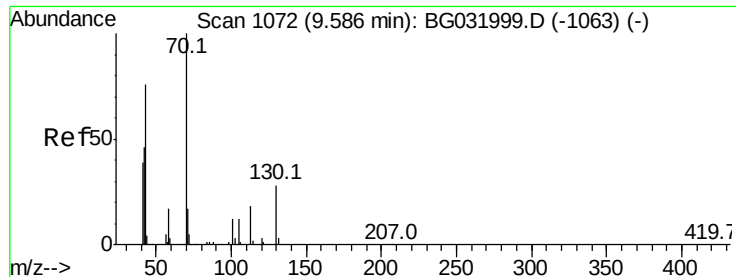
108 41.8 57.2 85.8#

77 110.6 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

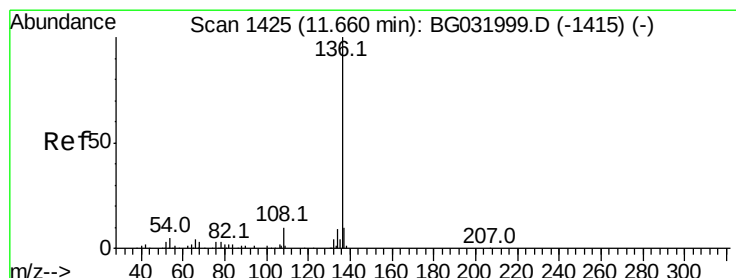
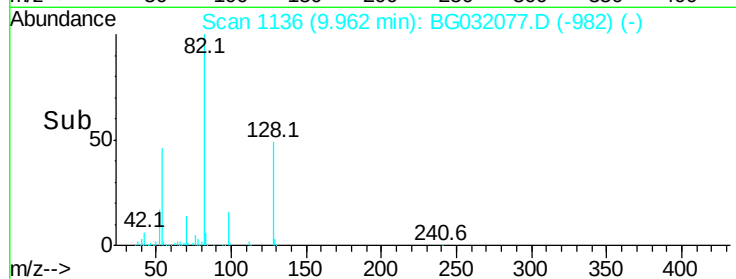
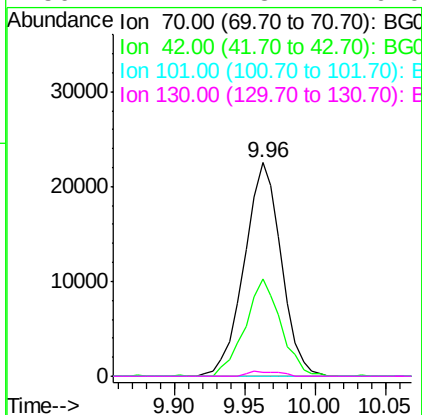
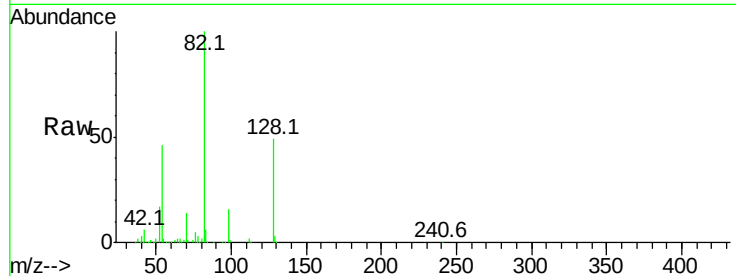




#19
n-Nitroso-di-n-propylamine
Concen: 19.792 ng
RT: 9.96 min Scan# 1136
Delta R.T. 0.38 min
Lab File: BG032077.D
Acq: 16 Jan 2018 19:53

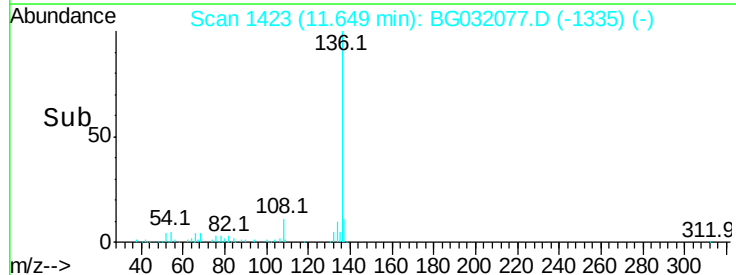
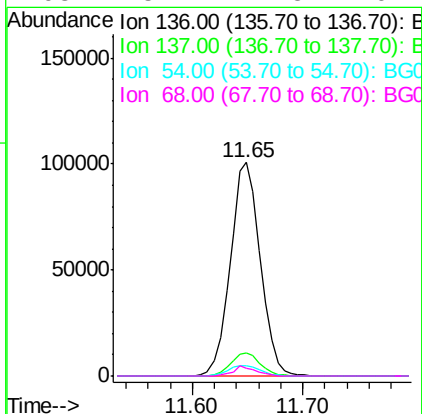
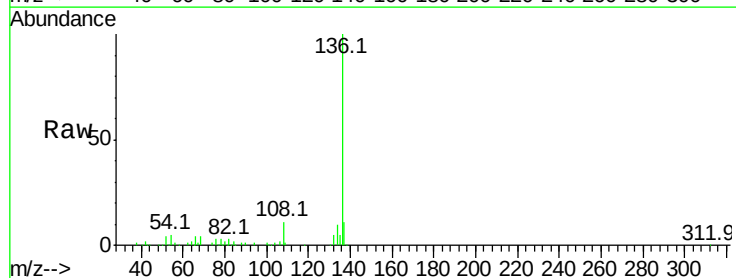
Instrument :
BNA_G
ClientSampleId :

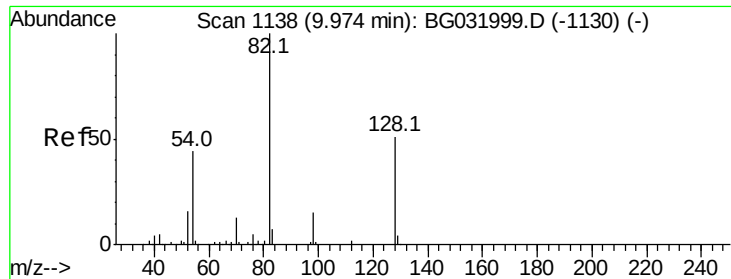
Tot Ion	Ratio	Lower	Upper
70	100		
42	45.8	49.1	73.7#
101	0.0	8.5	12.7#
130	1.7	13.4	20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BG032077.D
Acq: 16 Jan 2018 19:53

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	4.7	10.3	15.5#
68	3.7	4.5	6.7#

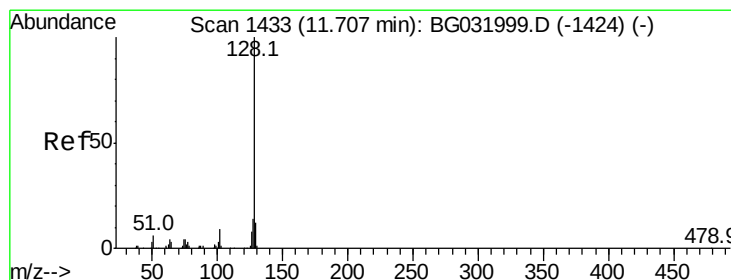
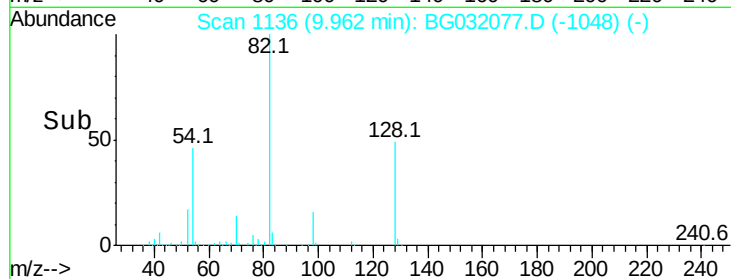
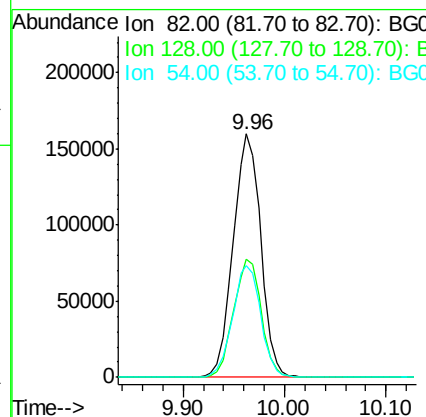
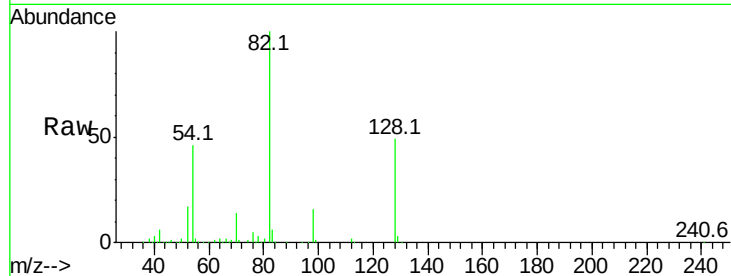




#23
 Nitrobenzene-d5
 Concen: 106.816 ng
 RT: 9.96 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: BG032077.D
 Acq: 16 Jan 2018 19:53

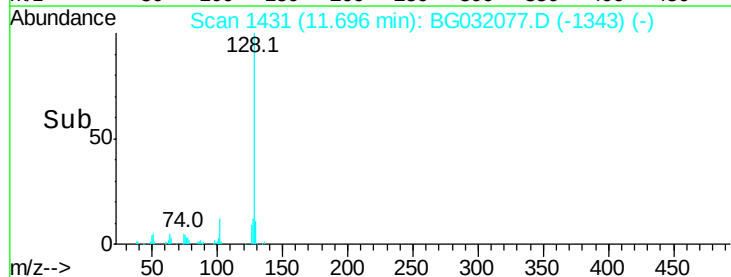
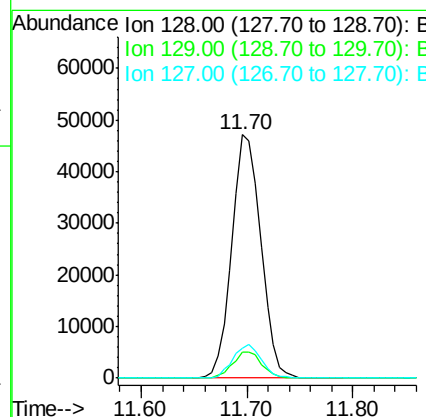
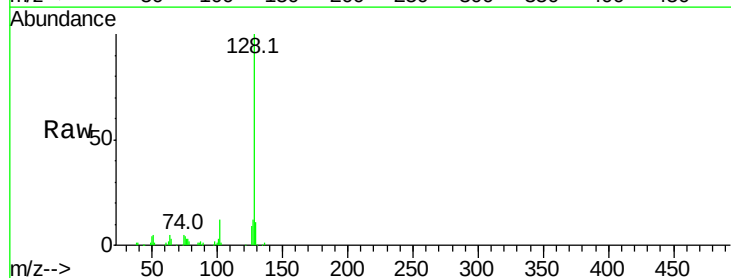
Instrument :
 BNA_G
 ClientSampleId :

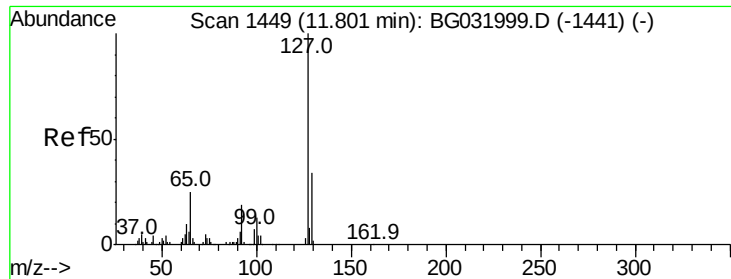
Tot Ion: 82 Resp: 301326
 Ion Ratio Lower Upper
 82 100
 128 48.6 29.7 44.5#
 54 46.0 43.1 64.7



#31
 Naphthalene
 Concen: 9.461 ng
 RT: 11.70 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BG032077.D
 Acq: 16 Jan 2018 19:53

Tgt Ion: 128 Resp: 89444
 Ion Ratio Lower Upper
 128 100
 129 10.7 8.6 12.8
 127 12.5 11.6 17.4

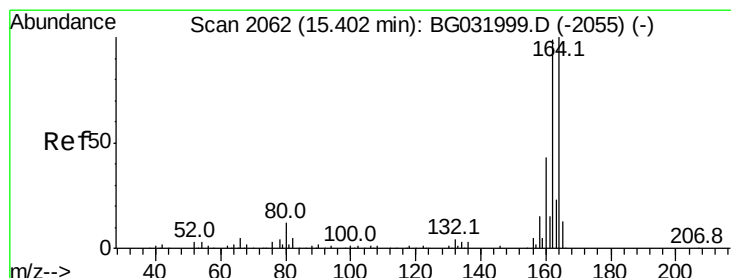
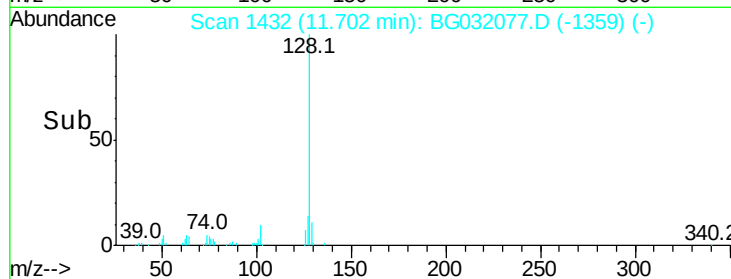
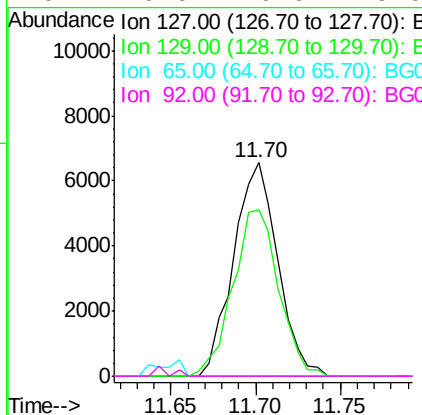
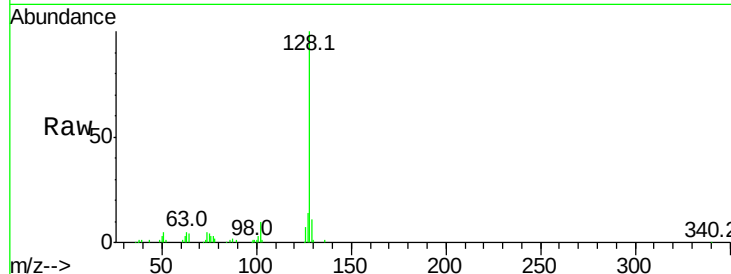




#33
4-Chloroaniline
Concen: 2.944 ng
RT: 11.70 min Scan# 1432
Delta R.T. -0.10 min
Lab File: BG032077.D
Acq: 16 Jan 2018 19:53

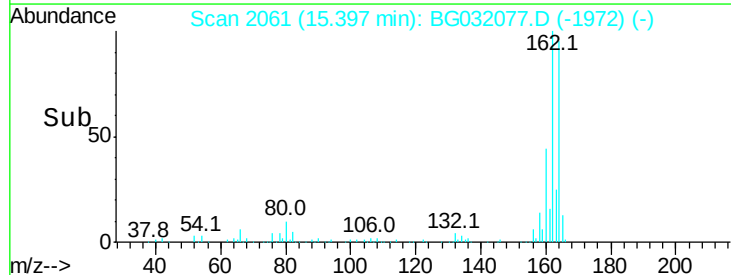
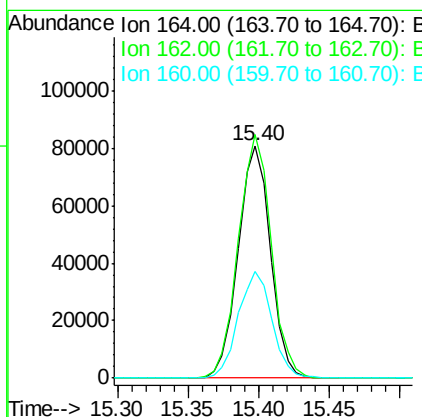
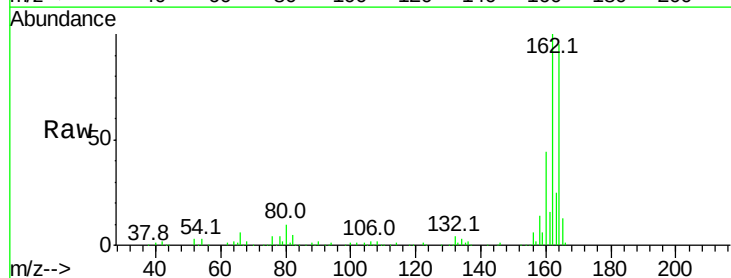
Instrument :
BNA_G
ClientSampleId :

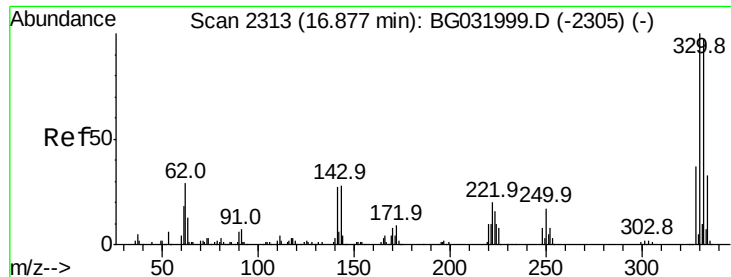
Tot Ion:127	Resp:	11935
Ion Ratio	Lower	Upper
127	100	
129	78.1	24.0 36.0#
65	0.0	27.0 40.4#
92	0.0	16.6 25.0#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.40 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BG032077.D
Acq: 16 Jan 2018 19:53

Tgt Ion:164	Resp:	128773
Ion Ratio	Lower	Upper
164	100	
162	104.8	78.8 118.2
160	45.8	35.4 53.0

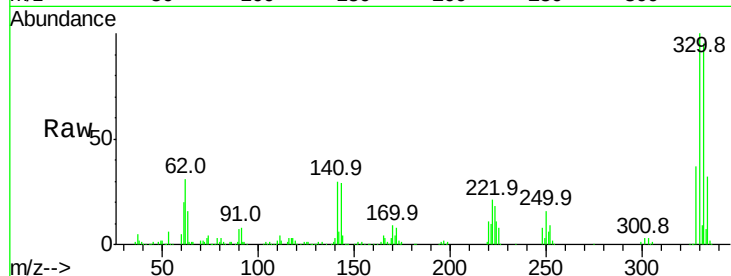




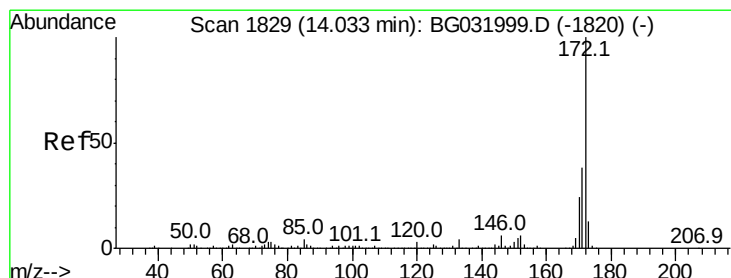
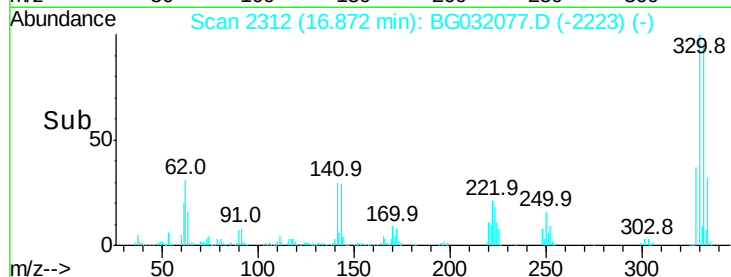
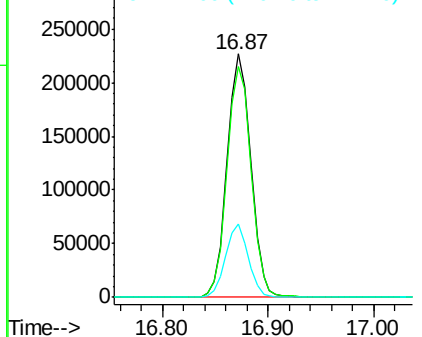
#41
 2,4,6-Tribromophenol
 Concen: 166.075 ng
 RT: 16.87 min Scan# 2312
 Delta R.T. -0.01 min
 Lab File: BG032077.D
 Acq: 16 Jan 2018 19:53

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 353889
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 28.8 25.2 37.8

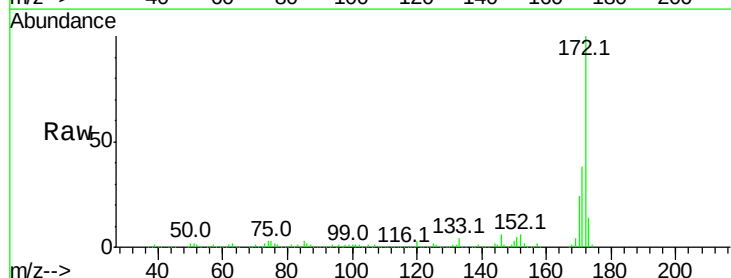


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

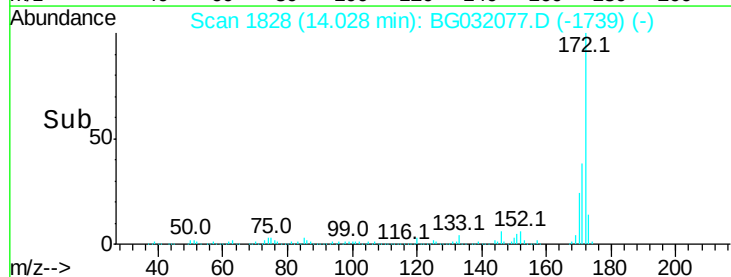
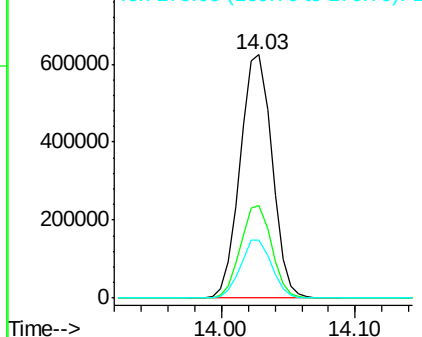


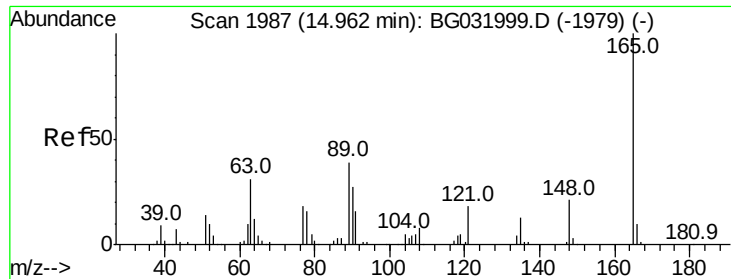
#44
 2-Fluorobiphenyl
 Concen: 99.353 ng
 RT: 14.03 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BG032077.D
 Acq: 16 Jan 2018 19:53

Tgt Ion:172 Resp: 1031818
 Ion Ratio Lower Upper
 172 100
 171 38.1 30.0 45.0
 170 24.0 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50

2,6-Dinitrotoluene

Concen: 7.679 ng

RT: 15.40 min Scan# 2061

Delta R.T. 0.44 min

Lab File: BG032077.D

Acq: 16 Jan 2018 19:53

Instrument :

BNA_G

ClientSampleId :

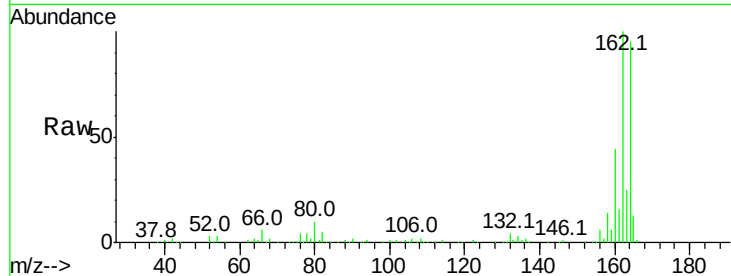
Tot Ion:165 Resp: 17962

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

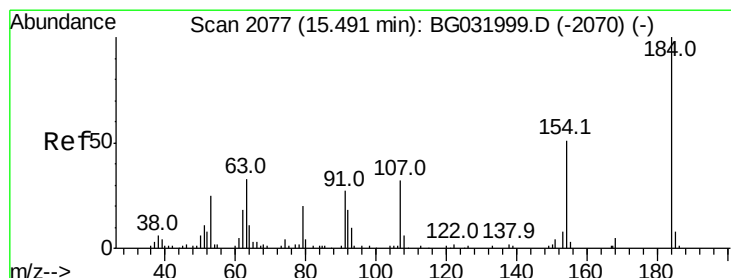
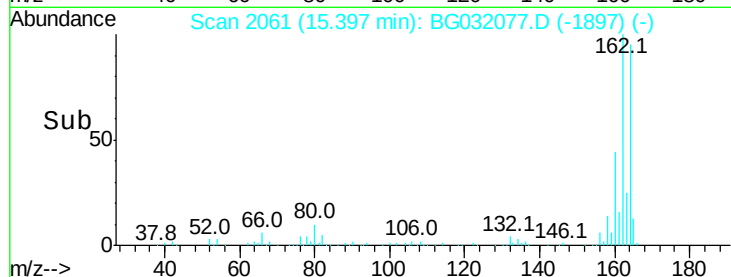
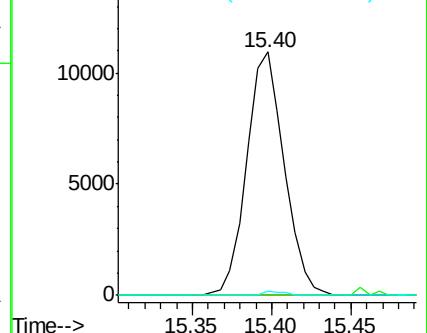
89 1.7 49.2 73.8#



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



#53

2,4-Dinitrophenol

Concen: 7.010 ng

RT: 15.59 min Scan# 2093

Delta R.T. 0.09 min

Lab File: BG032077.D

Acq: 16 Jan 2018 19:53

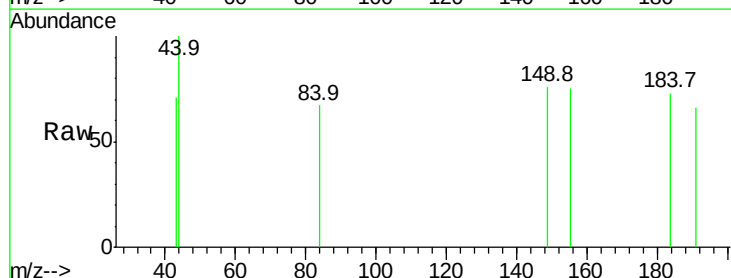
Tgt Ion:184 Resp: 59

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

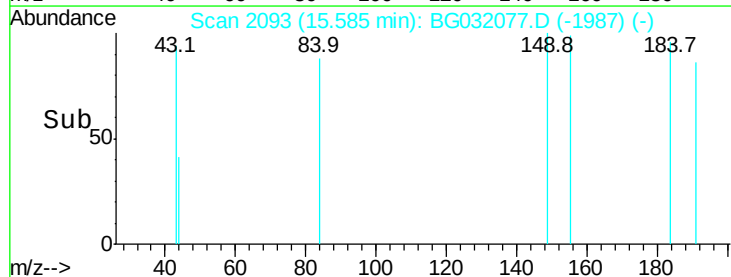
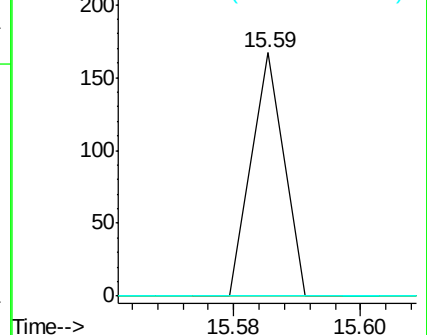
154 0.0 101.8 152.8#

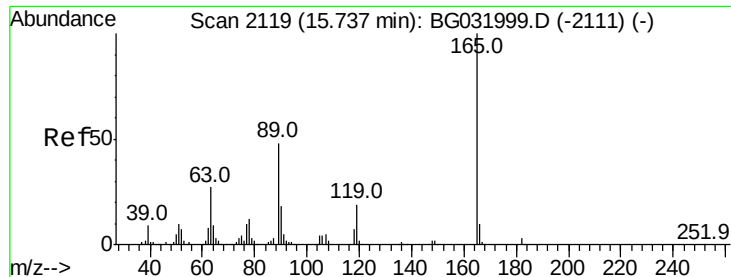


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

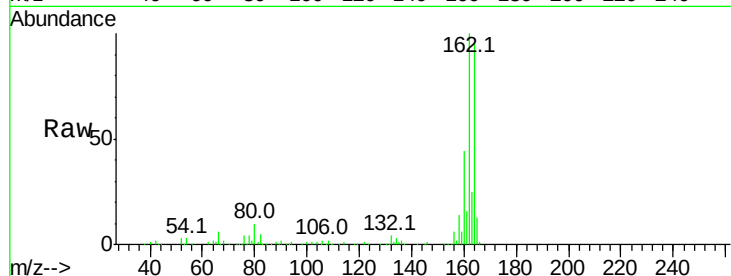




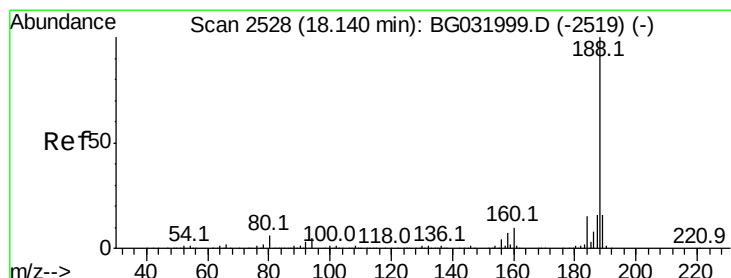
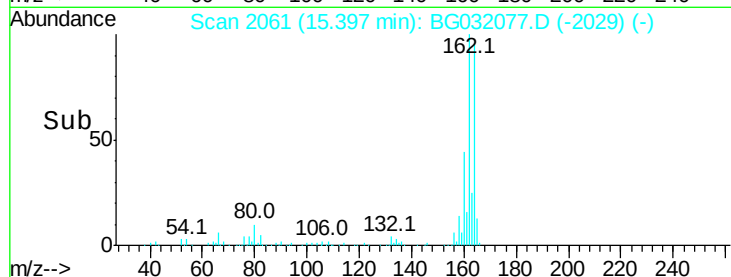
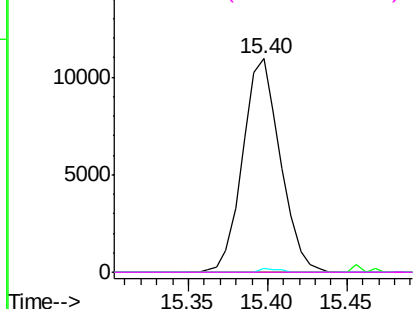
#56
2,4-Dinitrotoluene
Concen: 5.704 ng
RT: 15.40 min Scan# 2061
Delta R.T. -0.34 min
Lab File: BG032077.D
Acq: 16 Jan 2018 19:53

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 17962
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#

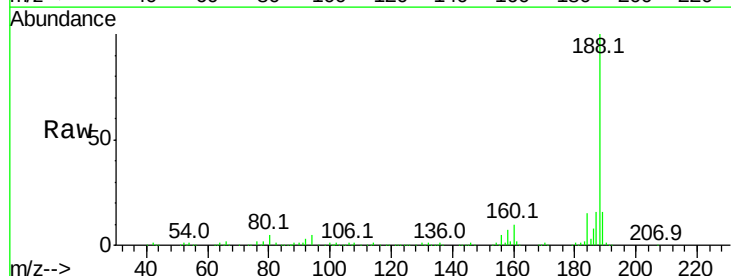


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

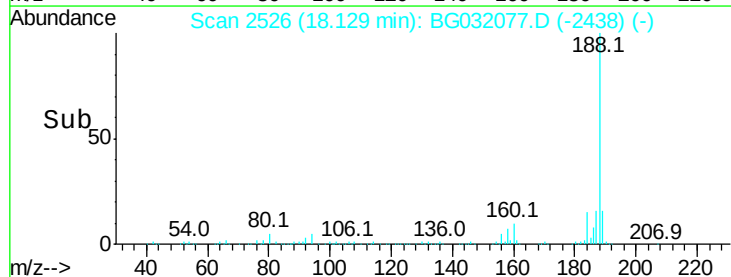
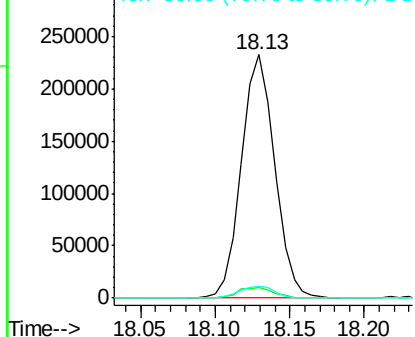


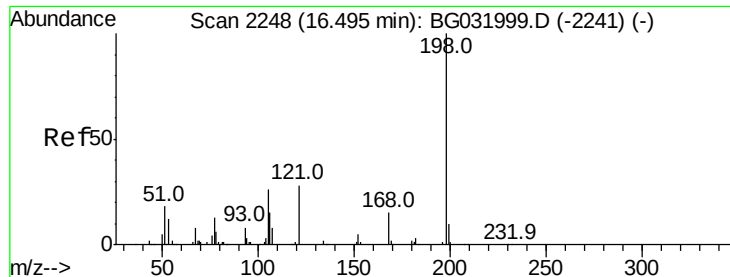
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.13 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BG032077.D
Acq: 16 Jan 2018 19:53

Tgt Ion:188 Resp: 360429
Ion Ratio Lower Upper
188 100
94 4.6 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

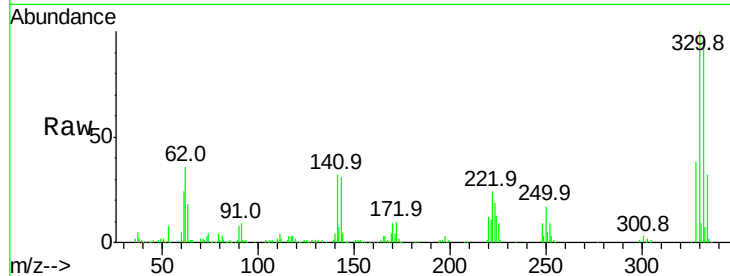




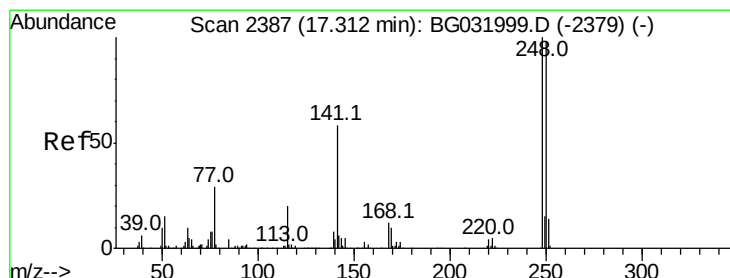
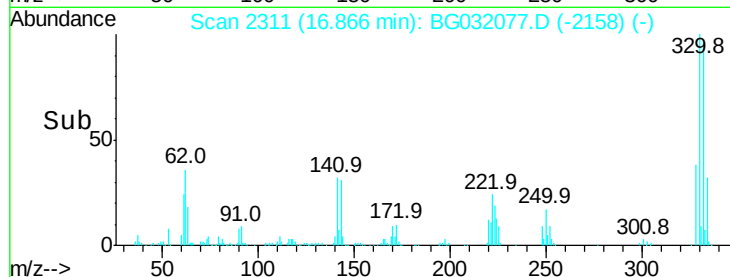
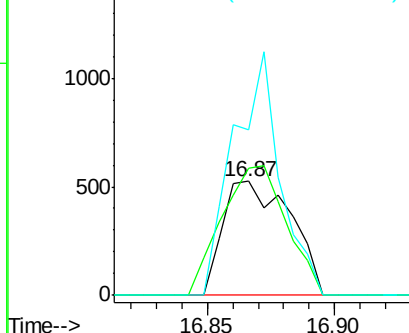
#64
4,6-Dinitro-2-methylphenol
Concen: 5.264 ng
RT: 16.87 min Scan# 2311
Delta R.T. 0.37 min
Lab File: BG032077.D
Acq: 16 Jan 2018 19:53

Instrument :
BNA_G
ClientSampled :

Tot Ion:198 Resp: 976
Ion Ratio Lower Upper
198 100
51 111.0 30.6 70.6#
105 145.4 23.8 63.8#

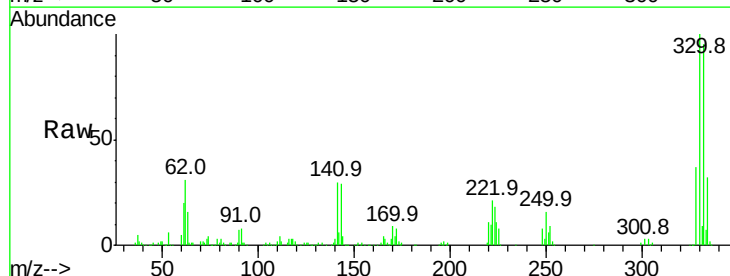


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E

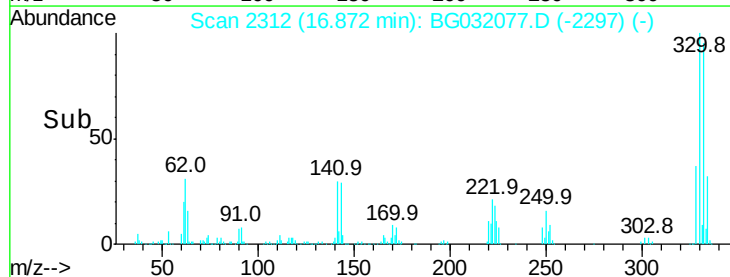
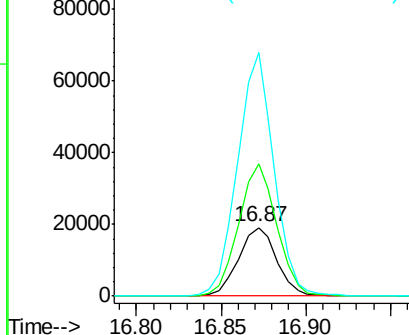


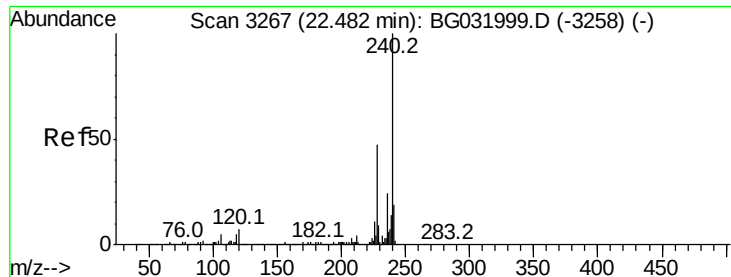
#66
4-Bromophenyl-phenylether
Concen: 5.852 ng
RT: 16.87 min Scan# 2312
Delta R.T. -0.44 min
Lab File: BG032077.D
Acq: 16 Jan 2018 19:53

Tgt Ion:248 Resp: 30011
Ion Ratio Lower Upper
248 100
250 192.1 77.1 115.7#
141 354.9 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: 22.47 min Scan# 3264

Delta R.T. -0.02 min

Lab File: BG032077.D

Acq: 16 Jan 2018 19:53

Instrument :

BNA_G

ClientSampleId :

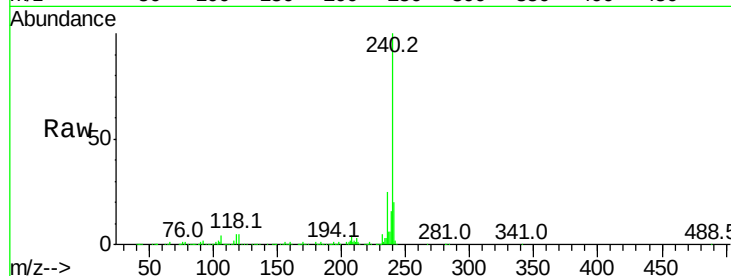
Tot Ion:240 Resp: 445135

Ion Ratio Lower Upper

240 100

120 4.8 6.8 10.2#

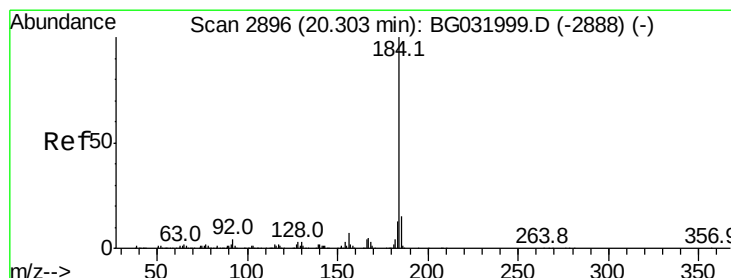
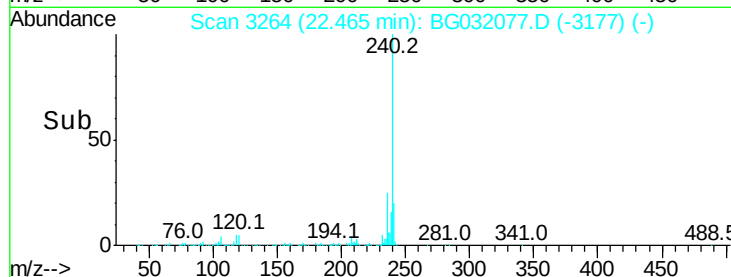
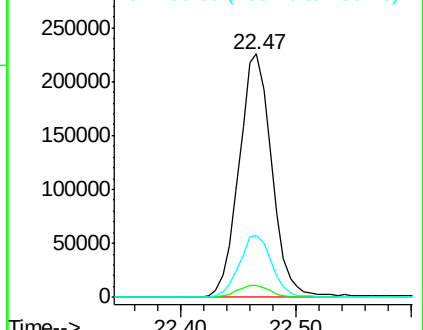
236 25.2 20.9 31.3



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: 2.584 ng

RT: 20.66 min Scan# 2957

Delta R.T. 0.36 min

Lab File: BG032077.D

Acq: 16 Jan 2018 19:53

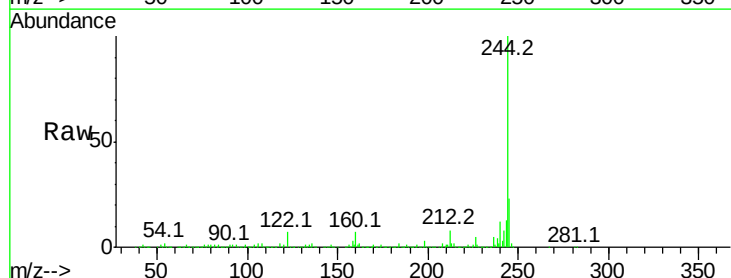
Tgt Ion:184 Resp: 28765

Ion Ratio Lower Upper

184 100

185 15.8 11.1 16.7

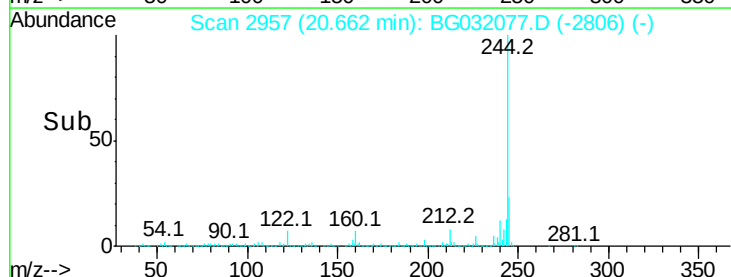
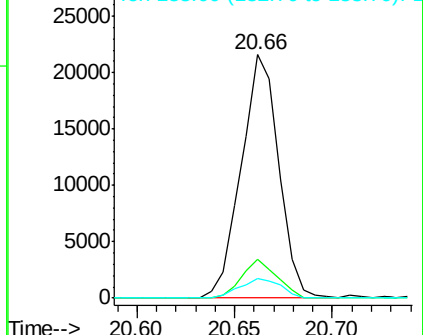
183 8.1 10.6 16.0#

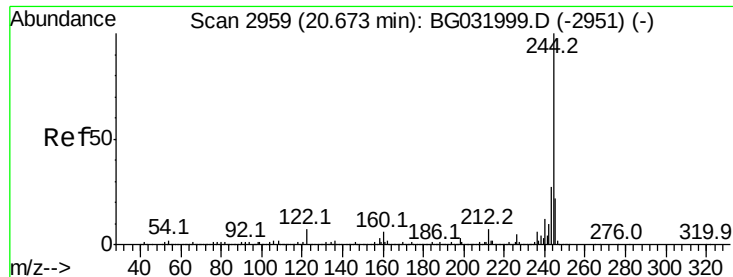


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 100.055 ng

RT: 20.66 min Scan# 2957

Delta R.T. -0.01 min

Lab File: BG032077.D

Acq: 16 Jan 2018 19:53

Instrument :

BNA_G

ClientSampleId :

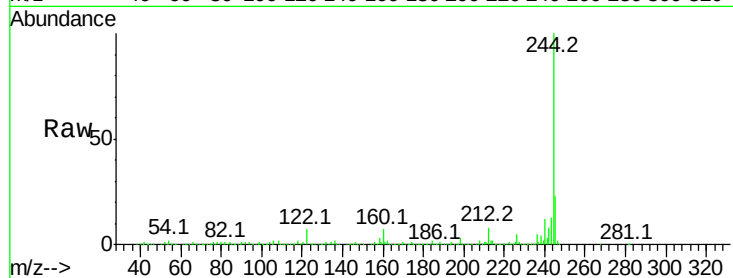
Tot Ion:244 Resp: 2017079

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

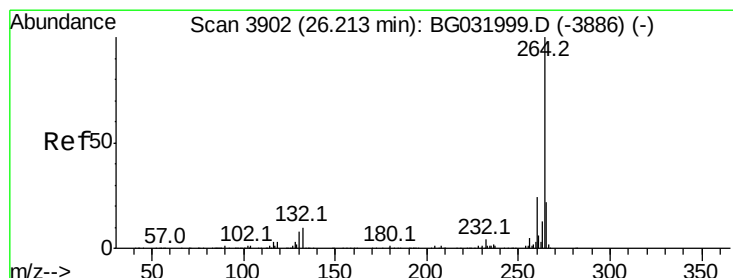
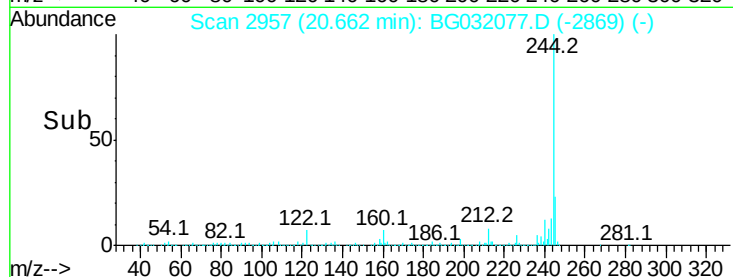
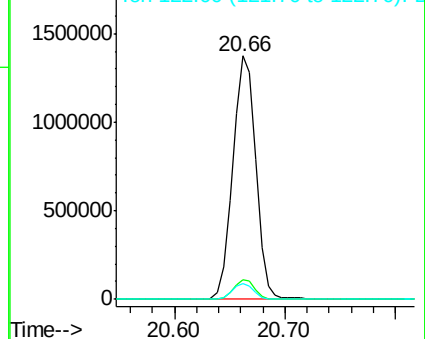
122 6.6 7.0 10.4#



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: 26.17 min Scan# 3895

Delta R.T. -0.04 min

Lab File: BG032077.D

Acq: 16 Jan 2018 19:53

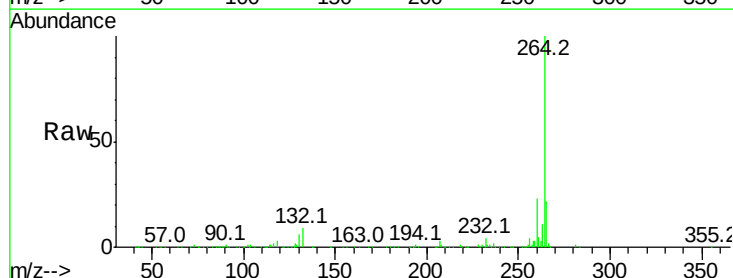
Tgt Ion:264 Resp: 459057

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 21.8 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

