

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG011718\
 Data File : BG032131.D
 Acq On : 18 Jan 2018 10:15
 Operator : SJ/JU
 Sample : J1163-12
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-2-(0-4)

Quant Time: Jan 18 12:58:29 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

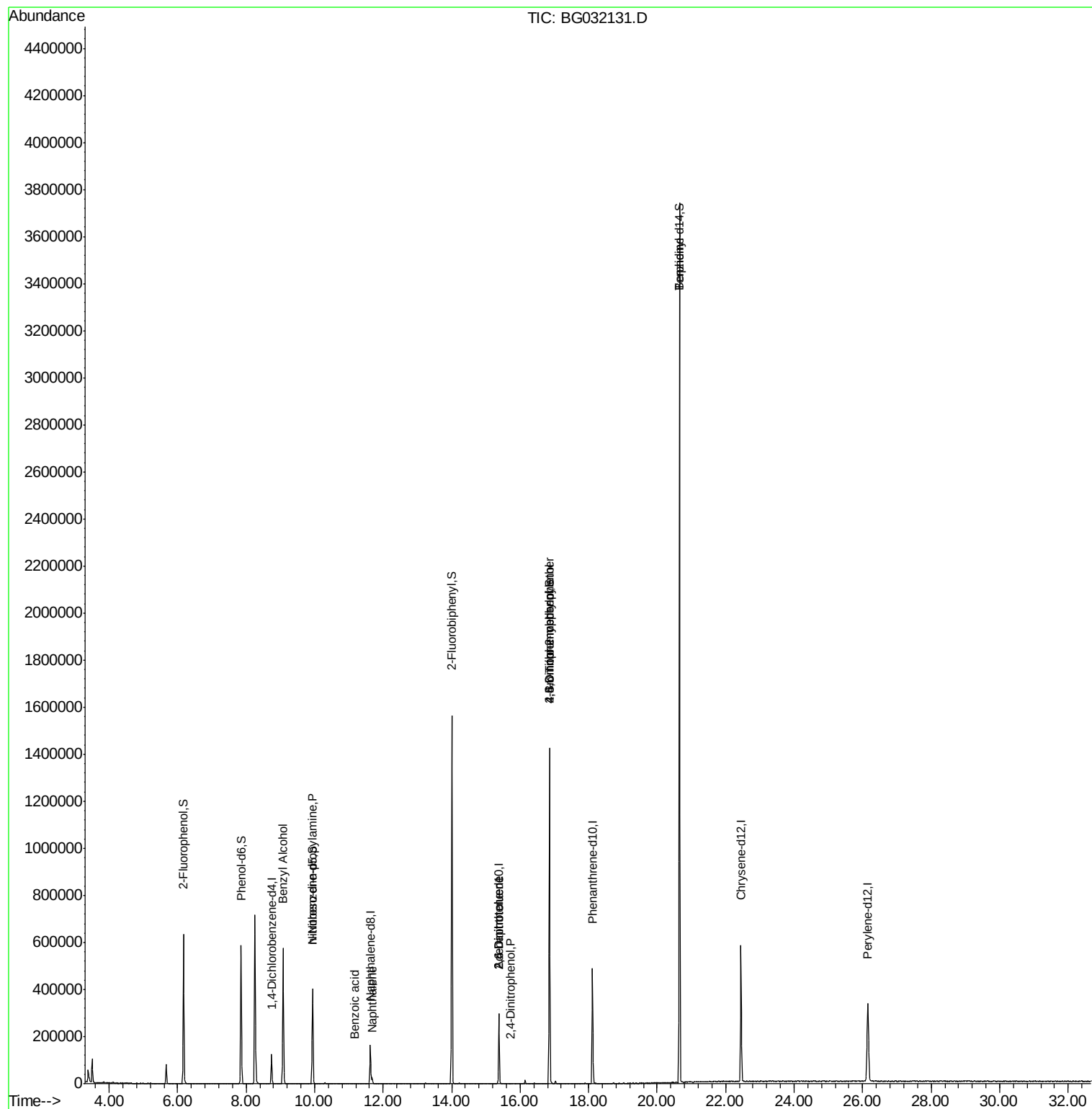
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	41429	20.00	ng	-0.03
21) Naphthalene-d8	11.62	136	165110	20.00	ng	-0.04
38) Acenaphthene-d10	15.38	164	113330	20.00	ng	-0.03
63) Phenanthrene-d10	18.11	188	338144	20.00	ng	-0.03
75) Chrysene-d12	22.45	240	441889	20.00	ng	-0.03
86) Perylene-d12	26.15	264	470027	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	6.17	112	317355	140.10	ng	-0.03
7) Phenol-d6	7.85	99	369061	129.36	ng	-0.03
23) Nitrobenzene-d5	9.94	82	261602	107.19	ng	-0.03
41) 2,4,6-Tribromophenol	16.86	330	332353	177.22	ng	-0.02
44) 2-Fluorobiphenyl	14.01	172	900270	98.50	ng	-0.03
78) Terphenyl-d14	20.65	244	1995766	99.73	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	9.08	79	4557	2.199	ng	# 45
19) n-Nitroso-di-n-propylamine	9.94	70	35564	20.092	ng	# 78
31) Naphthalene	11.68	128	25713	3.144	ng	# 96
32) Benzoic acid	11.16	122	67	5.288	ng	# 1
50) 2,6-Dinitrotoluene	15.38	165	15116	7.343	ng	# 21
53) 2,4-Dinitrophenol	15.71	184	59	7.016	ng	# 1
56) 2,4-Dinitrotoluene	15.38	165	15116	5.454	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.86	198	900	5.258	ng	# 26
66) 4-Bromophenyl-phenylether	16.86	248	27327	5.680	ng	# 1
76) Benzidine	20.65	184	27920	2.527	ng	# 88

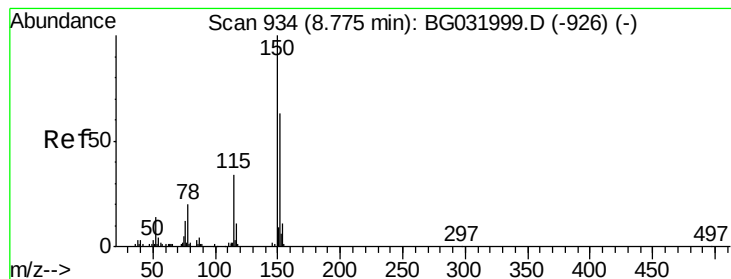
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jan 15 10:05:15 2018
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.74 min Scan# 928

Delta R.T. -0.03 min

Lab File: BG032131.D

Acq: 18 Jan 2018 10:15

Instrument :

BNA_G

ClientSampleId :

TP-2-(0-4)

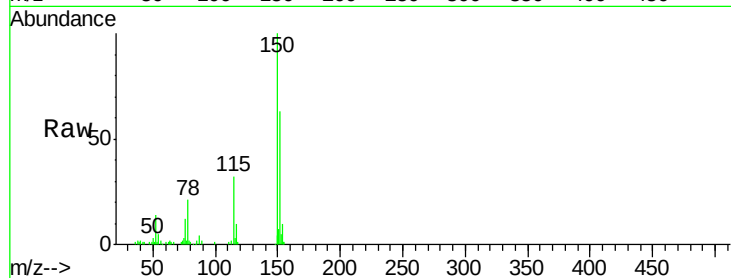
Tgt Ion:152 Resp: 41429

Ion Ratio Lower Upper

152 100

150 158.3 126.6 189.8

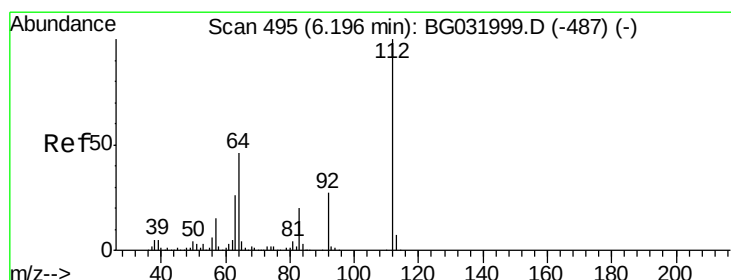
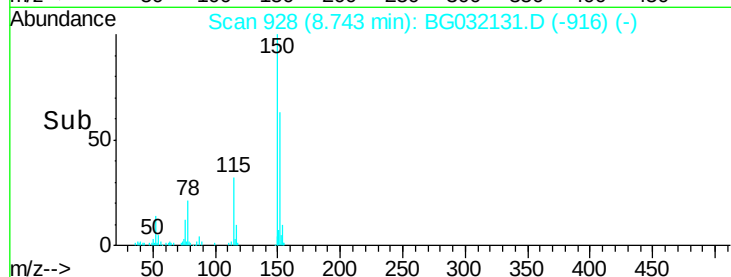
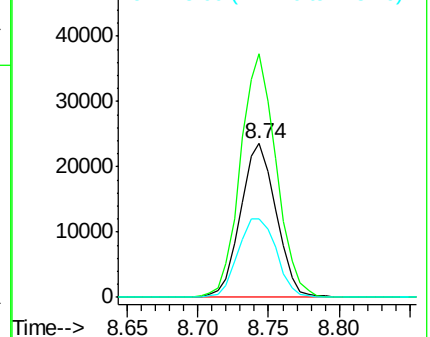
115 50.8 53.0 79.4#



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: 140.100 ng

RT: 6.17 min Scan# 490

Delta R.T. -0.03 min

Lab File: BG032131.D

Acq: 18 Jan 2018 10:15

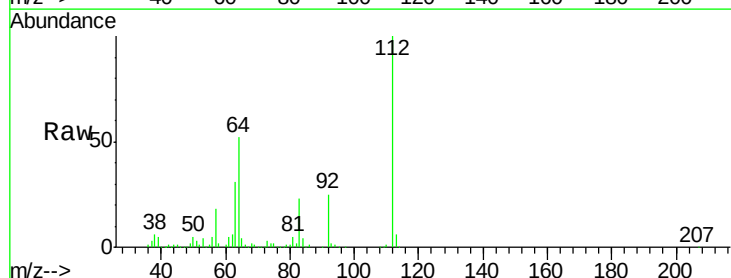
Tgt Ion:112 Resp: 317355

Ion Ratio Lower Upper

112 100

64 52.3 56.3 84.5#

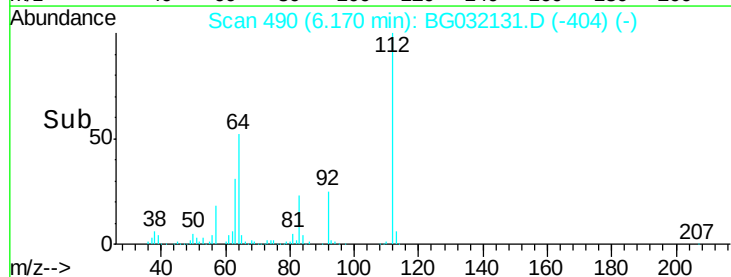
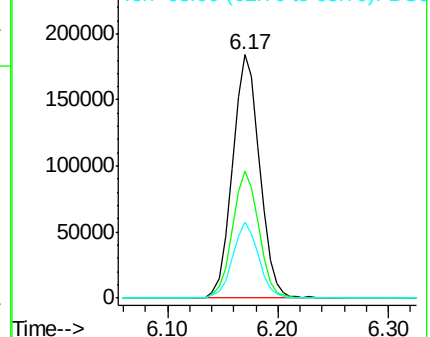
63 31.1 30.1 45.1

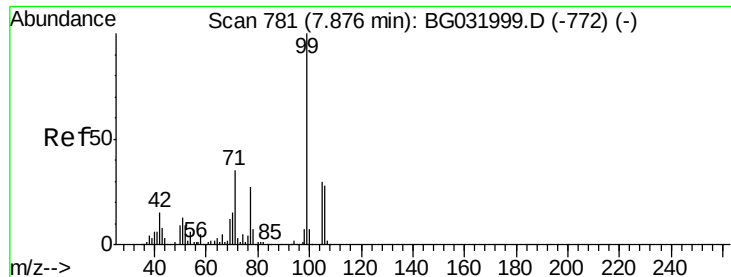


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 129.364 ng

RT: 7.85 min Scan# 776

Delta R.T. -0.03 min

Lab File: BG032131.D

Acq: 18 Jan 2018 10:15

Instrument :

BNA_G

ClientSampleId :

TP-2-(0-4)

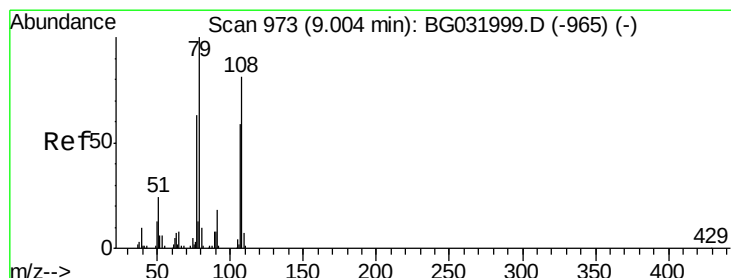
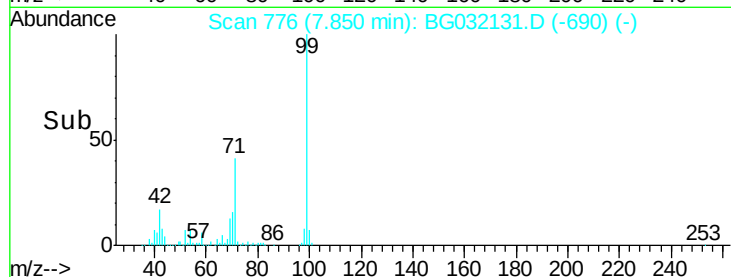
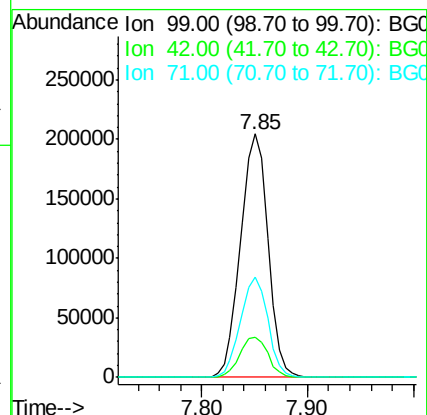
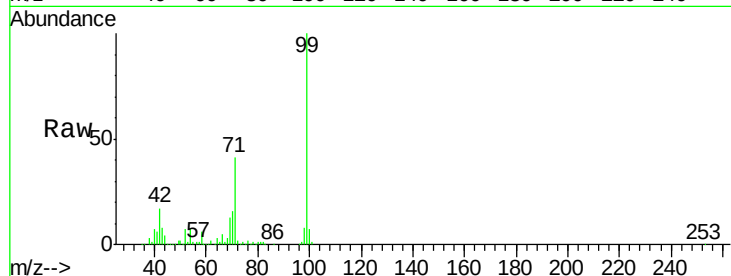
Tgt Ion: 99 Resp: 369061

Ion Ratio Lower Upper

99 100

42 16.7 14.1 21.1

71 41.3 26.1 39.1#



#15

Benzyl Alcohol

Concen: 2.199 ng

RT: 9.08 min Scan# 986

Delta R.T. 0.08 min

Lab File: BG032131.D

Acq: 18 Jan 2018 10:15

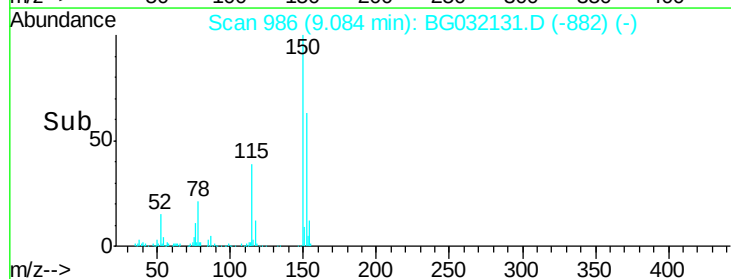
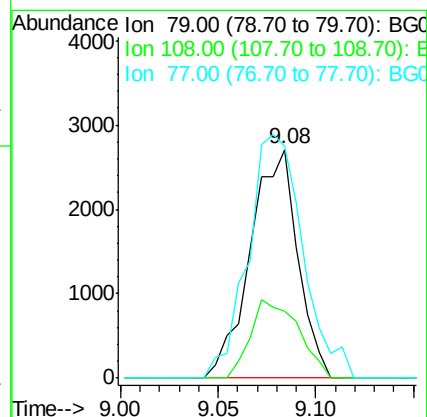
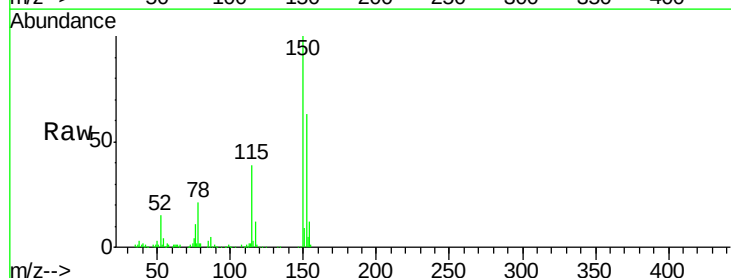
Tgt Ion: 79 Resp: 4557

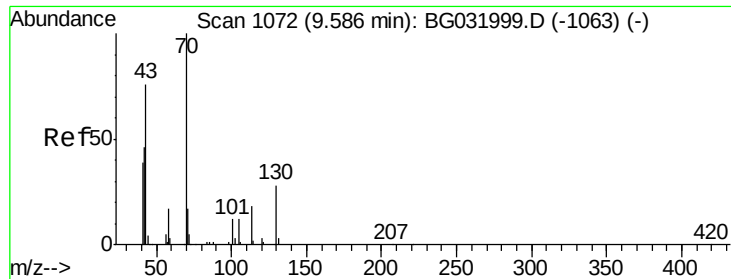
Ion Ratio Lower Upper

79 100

108 29.3 57.2 85.8#

77 101.7 46.1 69.1#

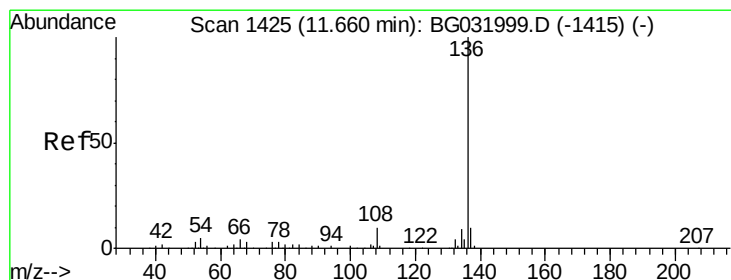
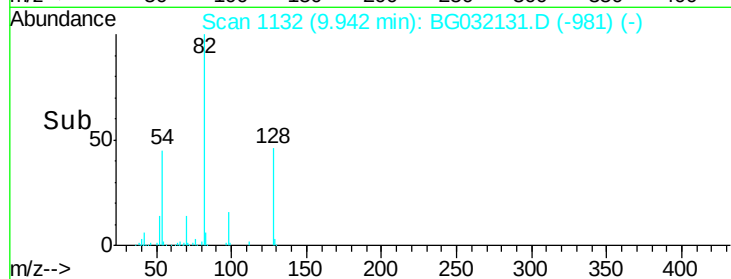
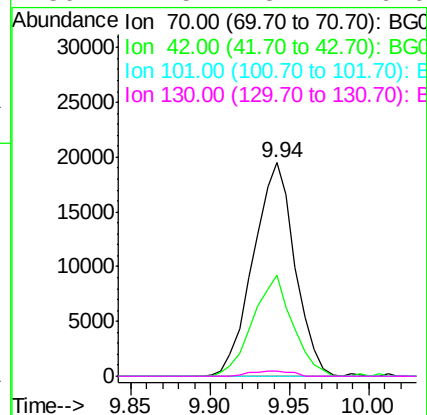
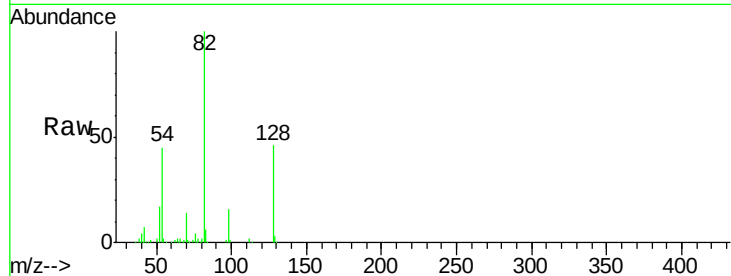




#19
n-Nitroso-di-n-propylamine
Concen: 20.092 ng
RT: 9.94 min Scan# 1132
Delta R.T. 0.36 min
Lab File: BG032131.D
Acq: 18 Jan 2018 10:15

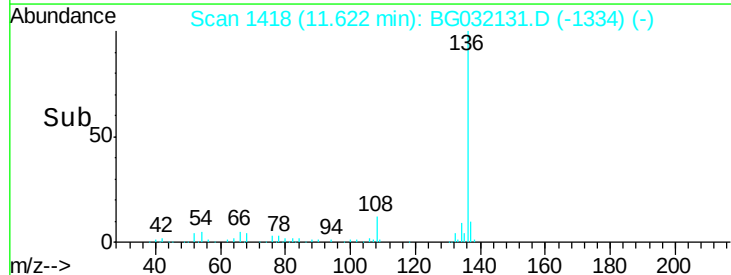
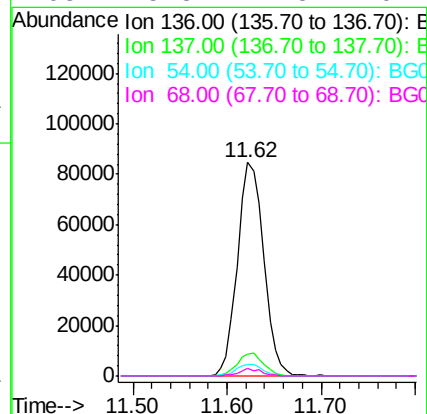
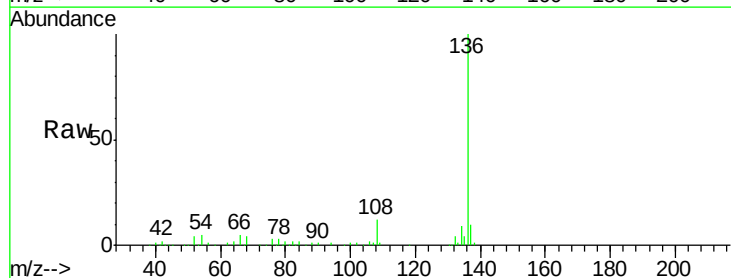
Instrument :
BNA_G
ClientSampleId :
TP-2-(0-4)

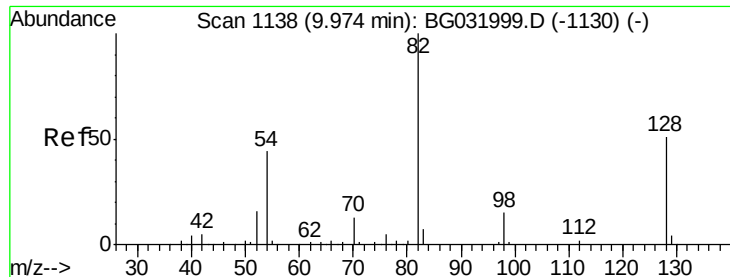
Tgt Ion: 70 Resp: 35564
Ion Ratio Lower Upper
70 100
42 47.5 49.1 73.7#
101 0.0 8.5 12.7#
130 2.5 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.62 min Scan# 1418
Delta R.T. -0.04 min
Lab File: BG032131.D
Acq: 18 Jan 2018 10:15

Tgt Ion: 136 Resp: 165110
Ion Ratio Lower Upper
136 100
137 9.9 9.2 13.8
54 5.1 10.3 15.5#
68 3.8 4.5 6.7#

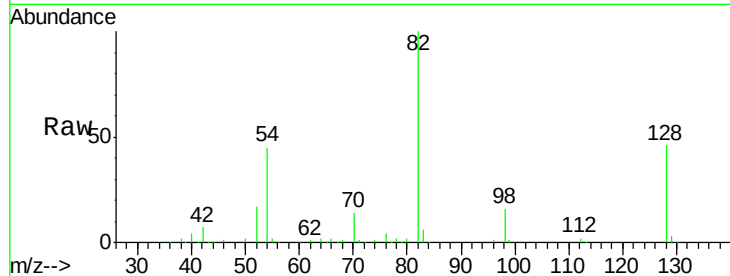




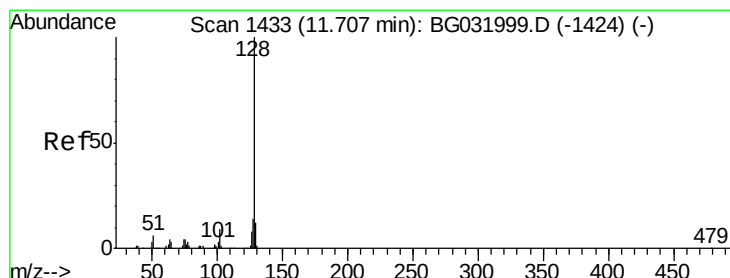
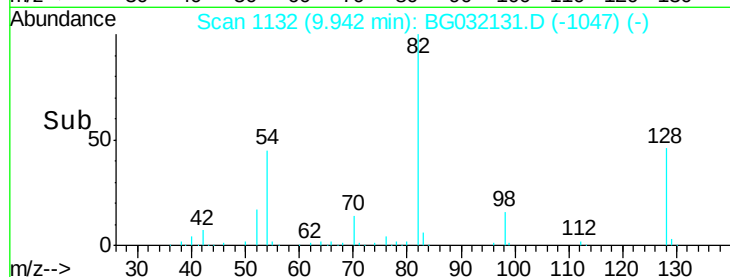
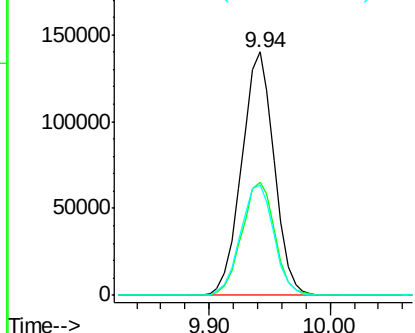
#23
 Nitrobenzene-d5
 Concen: 107.192 ng
 RT: 9.94 min Scan# 1132
 Delta R.T. -0.03 min
 Lab File: BG032131.D
 Acq: 18 Jan 2018 10:15

Instrument :
 BNA_G
 ClientSampleId :
 TP-2-(0-4)

Tgt Ion: 82 Resp: 261602
 Ion Ratio Lower Upper
 82 100
 128 46.3 29.7 44.5#
 54 45.3 43.1 64.7

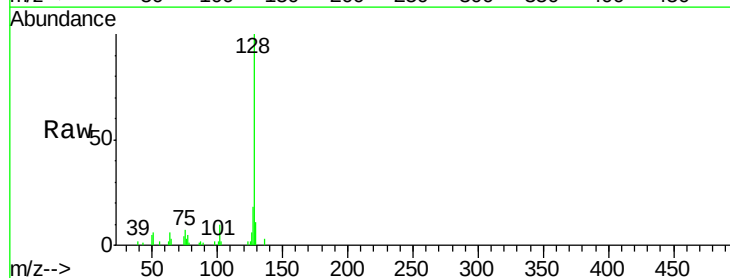


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

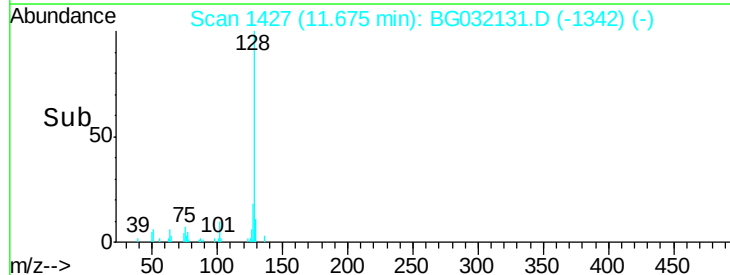
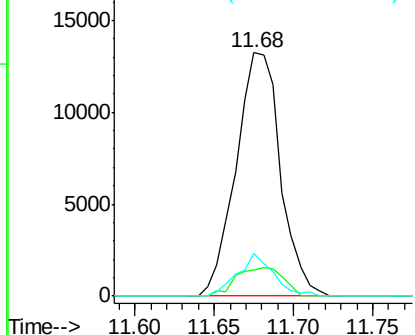


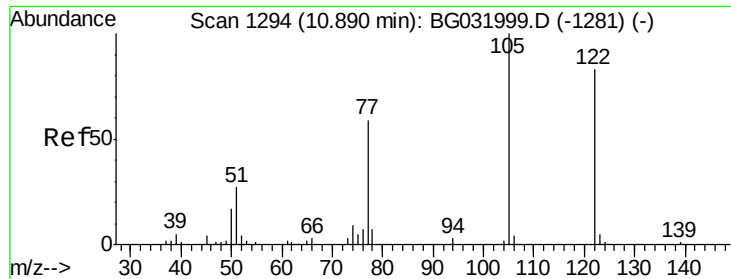
#31
 Naphthalene
 Concen: 3.144 ng
 RT: 11.68 min Scan# 1427
 Delta R.T. -0.03 min
 Lab File: BG032131.D
 Acq: 18 Jan 2018 10:15

Tgt Ion: 128 Resp: 25713
 Ion Ratio Lower Upper
 128 100
 129 10.7 8.6 12.8
 127 17.6 11.6 17.4#



Abundance Ion 128.00 (127.70 to 128.70): BGC
 Ion 129.00 (128.70 to 129.70): BGC
 Ion 127.00 (126.70 to 127.70): BGC





#32

Benzoic acid

Concen: 5.288 ng

RT: 11.16 min Scan# 1339

Delta R.T. 0.27 min

Lab File: BG032131.D

Acq: 18 Jan 2018 10:15

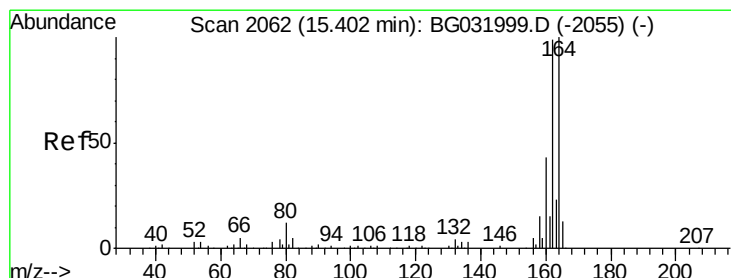
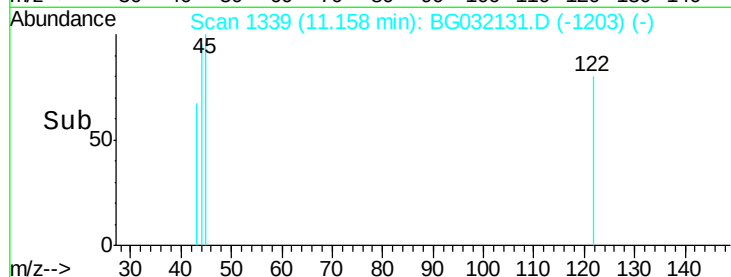
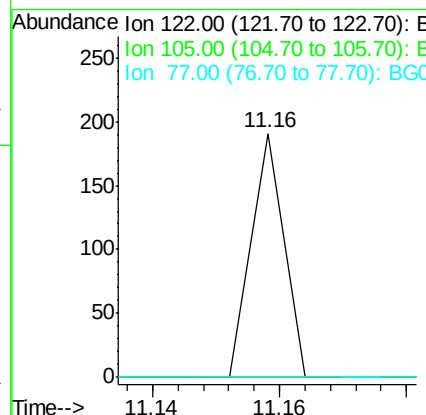
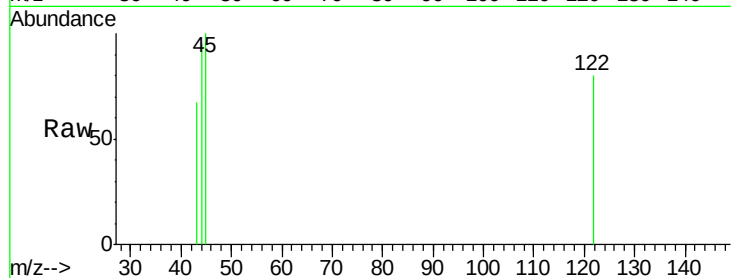
Instrument :

BNA_G

ClientSampleId :

TP-2-(0-4)

Tgt 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

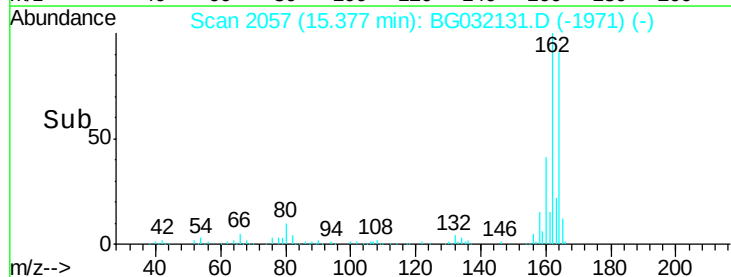
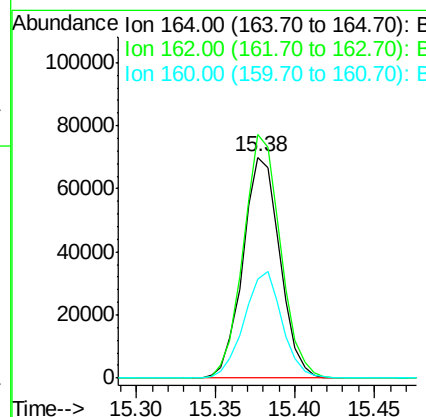
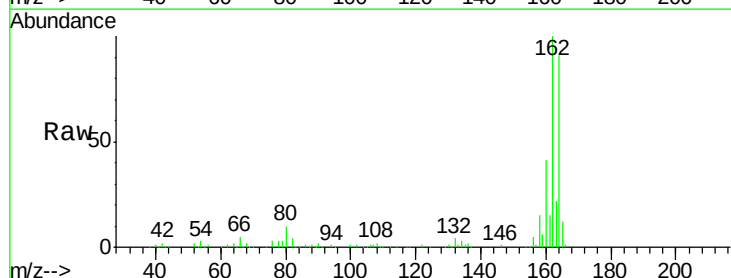
RT: 15.38 min Scan# 2057

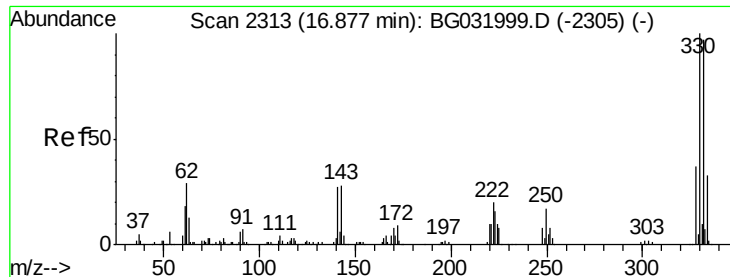
Delta R.T. -0.03 min

Lab File: BG032131.D

Acq: 18 Jan 2018 10:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	110.2	78.8	118.2
160	45.0	35.4	53.0





#41

2,4,6-Tribromophenol

Concen: 177.222 ng

RT: 16.86 min Scan# 2309

Delta R.T. -0.02 min

Lab File: BG032131.D

Acq: 18 Jan 2018 10:15

Instrument :

BNA_G

ClientSampleId :

TP-2-(0-4)

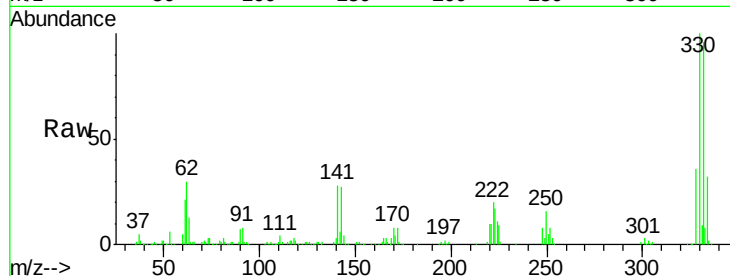
Tgt Ion:330 Resp: 332353

Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

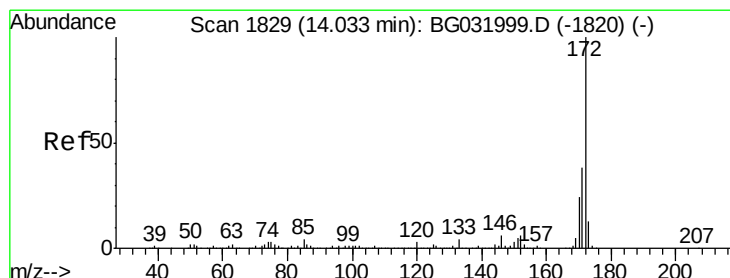
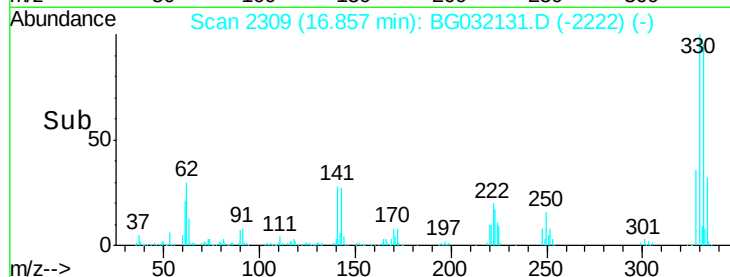
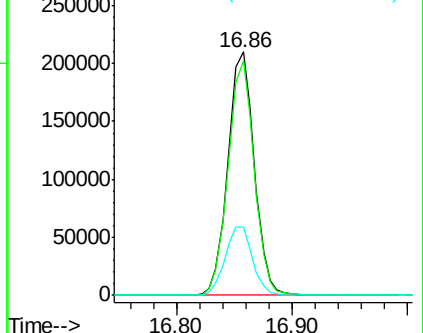
141 29.0 25.2 37.8



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: 98.499 ng

RT: 14.01 min Scan# 1824

Delta R.T. -0.03 min

Lab File: BG032131.D

Acq: 18 Jan 2018 10:15

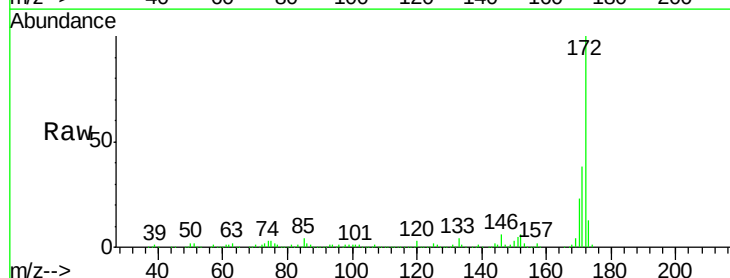
Tgt Ion:172 Resp: 900270

Ion Ratio Lower Upper

172 100

171 38.4 30.0 45.0

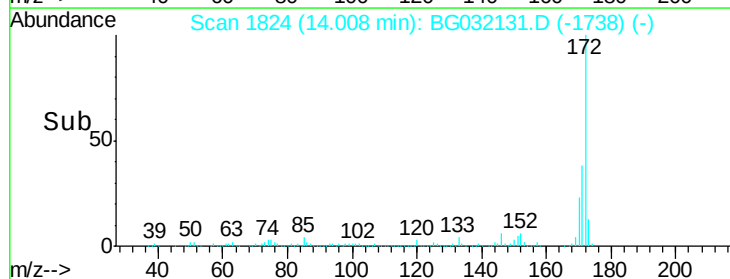
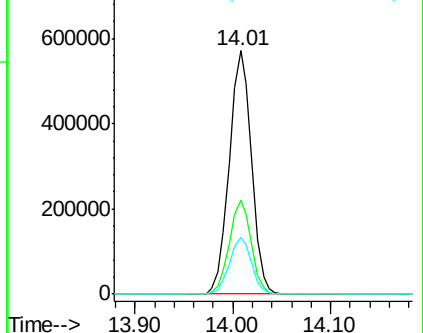
170 23.5 19.5 29.3

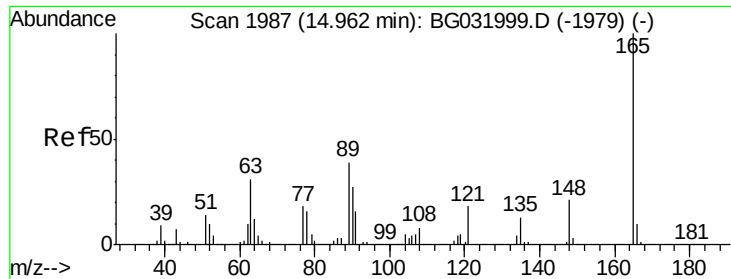


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

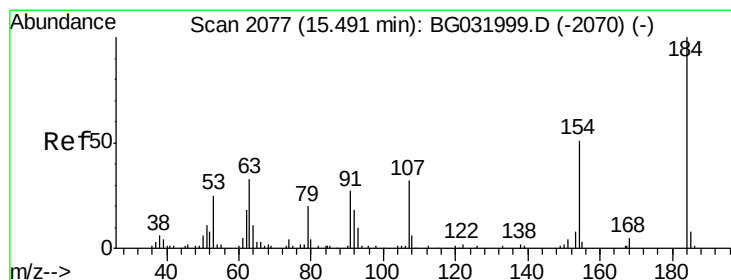
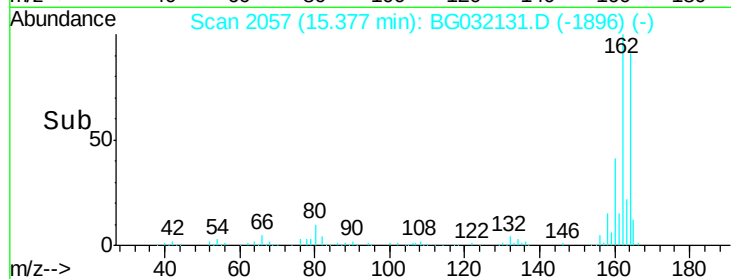
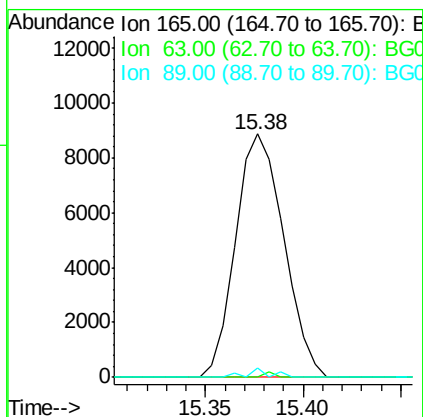
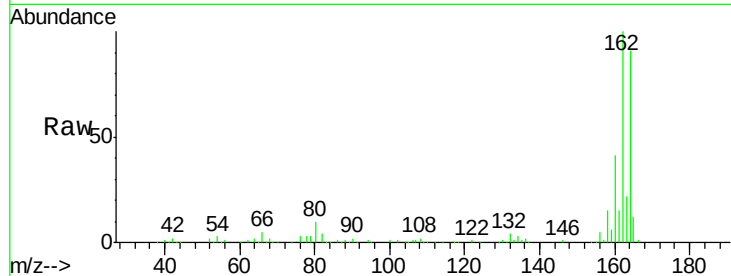




#50
 2,6-Dinitrotoluene
 Concen: 7.343 ng
 RT: 15.38 min Scan# 2057
 Delta R.T. 0.41 min
 Lab File: BG032131.D
 Acq: 18 Jan 2018 10:15

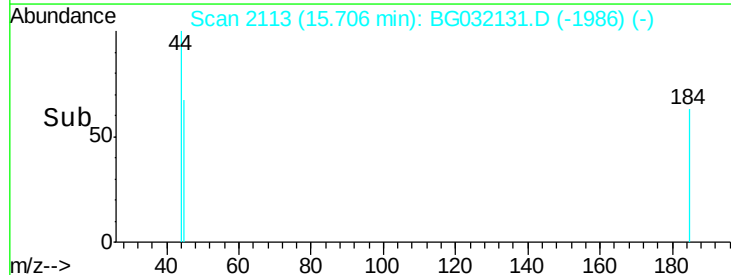
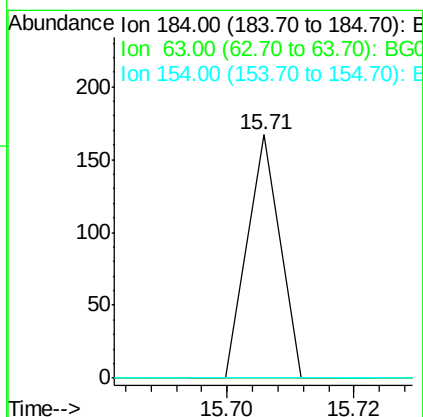
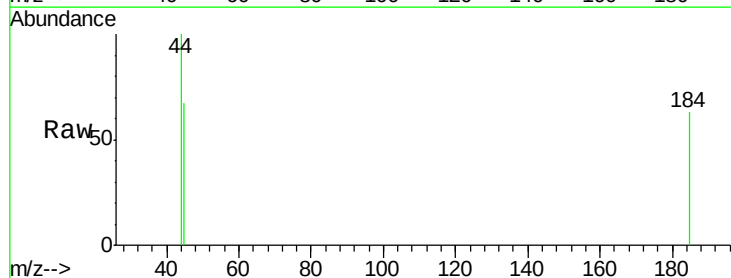
Instrument :
 BNA_G
 ClientSampleId :
 TP-2-(0-4)

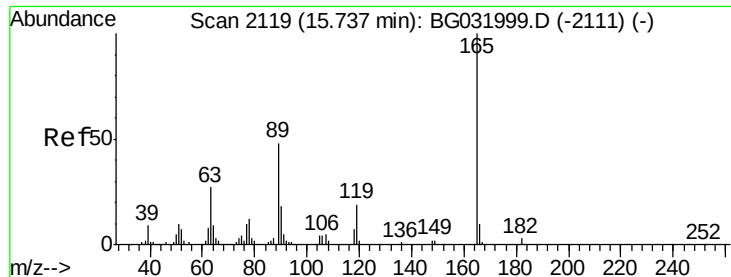
Tgt Ion:165 Resp: 15116
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 3.8 49.2 73.8#



#53
 2,4-Dinitrophenol
 Concen: 7.016 ng
 RT: 15.71 min Scan# 2113
 Delta R.T. 0.22 min
 Lab File: BG032131.D
 Acq: 18 Jan 2018 10:15

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#

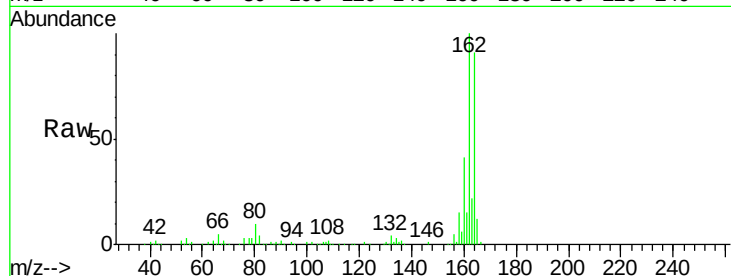




#56
 2,4-Dinitrotoluene
 Concen: 5.454 ng
 RT: 15.38 min Scan# 2057
 Delta R.T. -0.36 min
 Lab File: BG032131.D
 Acq: 18 Jan 2018 10:15

Instrument :
 BNA_G
 ClientSampleId :
 TP-2-(0-4)

Tgt Ion:	165	Resp:	15116
Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	3.8	66.9	100.3#
182	0.0	2.6	3.8#

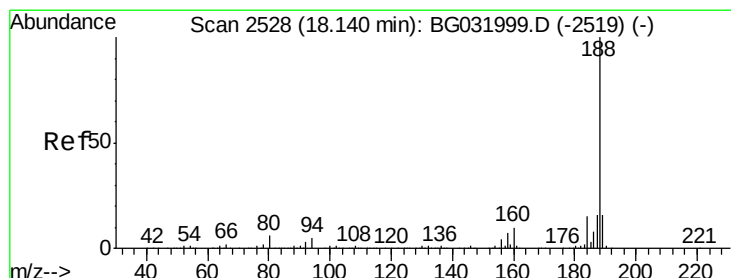
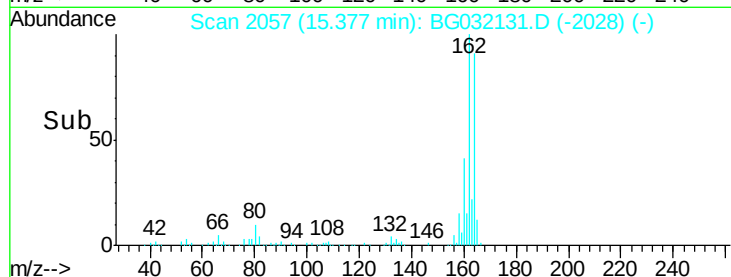
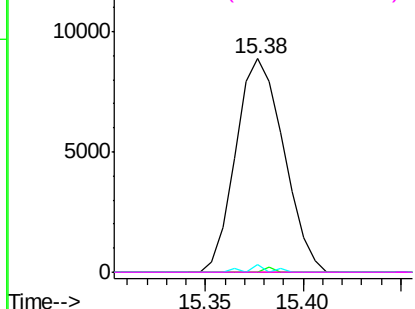


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

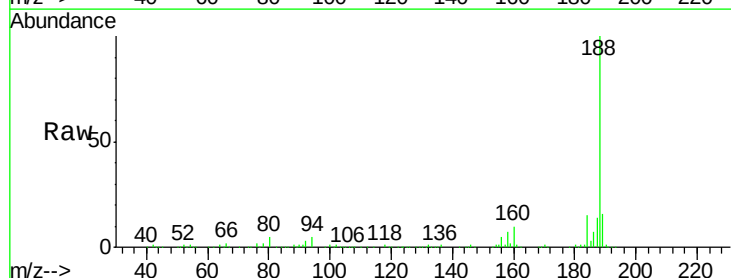
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.11 min Scan# 2523
 Delta R.T. -0.03 min
 Lab File: BG032131.D
 Acq: 18 Jan 2018 10:15

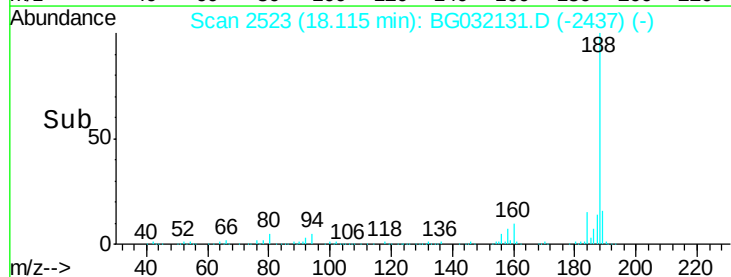
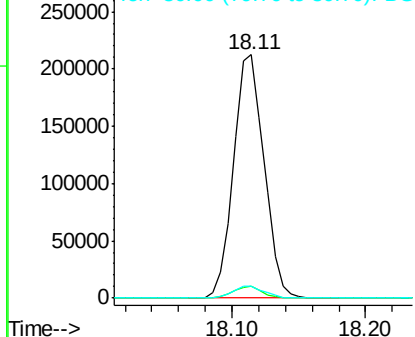
Tgt Ion:	188	Resp:	338144
Ion	Ratio	Lower	Upper
188	100		
94	4.9	6.9	10.3#
80	5.2	7.7	11.5#

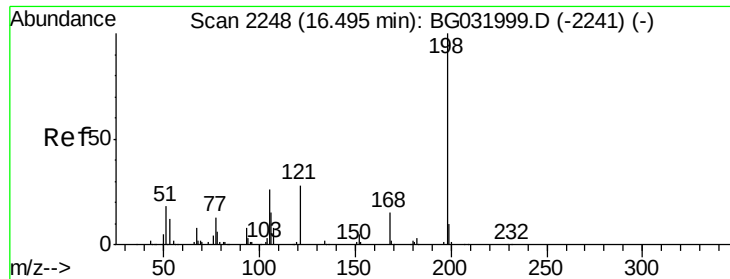


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.258 ng

RT: 16.86 min Scan# 2309

Delta R.T. 0.36 min

Lab File: BG032131.D

Acq: 18 Jan 2018 10:15

Instrument :

BNA_G

ClientSampleId :

TP-2-(0-4)

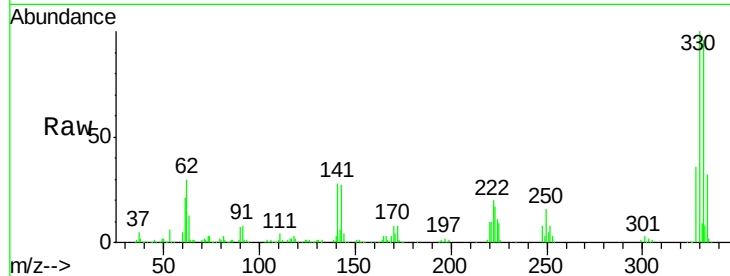
Tgt Ion:198 Resp: 900

Ion Ratio Lower Upper

198 100

51 95.3 30.6 70.6#

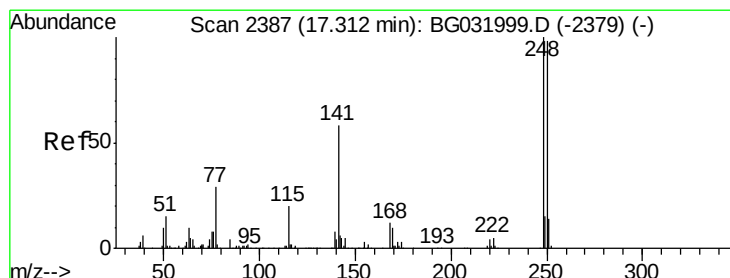
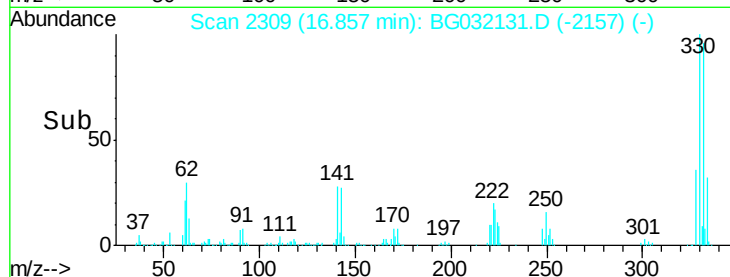
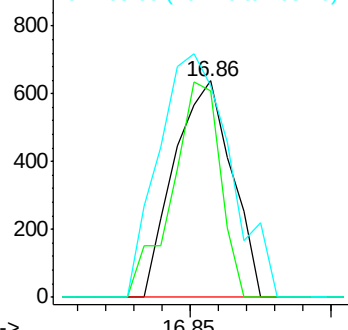
105 98.0 23.8 63.8#



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: 5.680 ng

RT: 16.86 min Scan# 2309

Delta R.T. -0.45 min

Lab File: BG032131.D

Acq: 18 Jan 2018 10:15

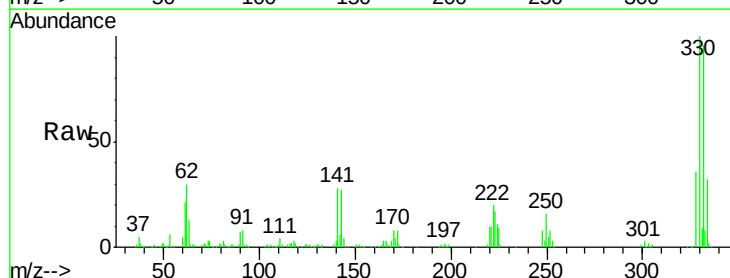
Tgt Ion:248 Resp: 27327

Ion Ratio Lower Upper

248 100

250 197.0 77.1 115.7#

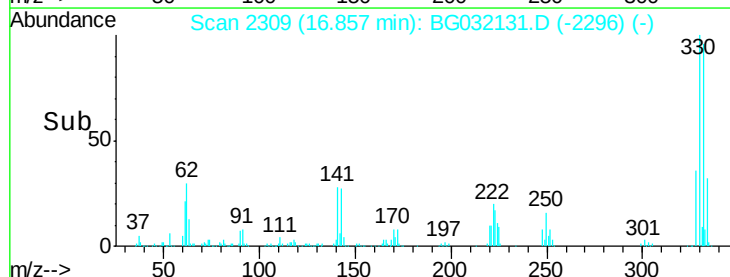
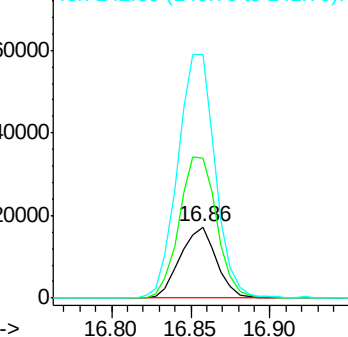
141 343.4 50.8 76.2#

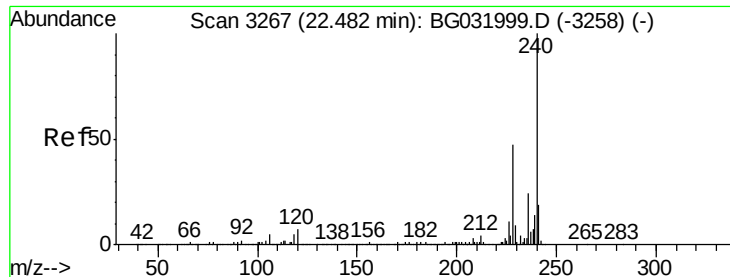


Abundance Ion 248.00 (247.70 to 248.70): E

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: 22.45 min Scan# 3261

Delta R.T. -0.03 min

Lab File: BG032131.D

Acq: 18 Jan 2018 10:15

Instrument :

BNA_G

ClientSampleId :

TP-2-(0-4)

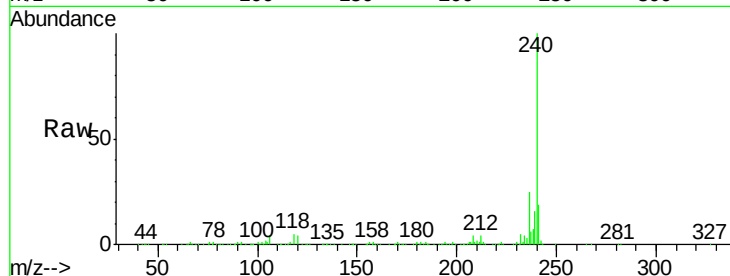
Tgt Ion:240 Resp: 441889

Ion Ratio Lower Upper

240 100

120 4.1 6.8 10.2#

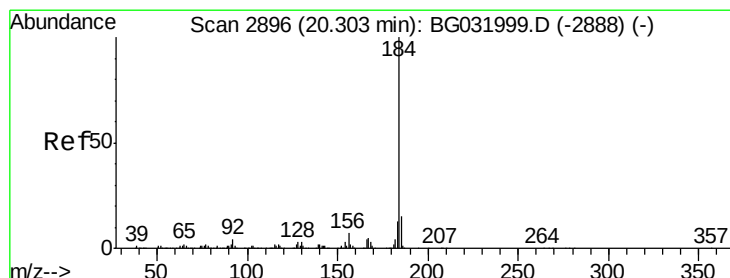
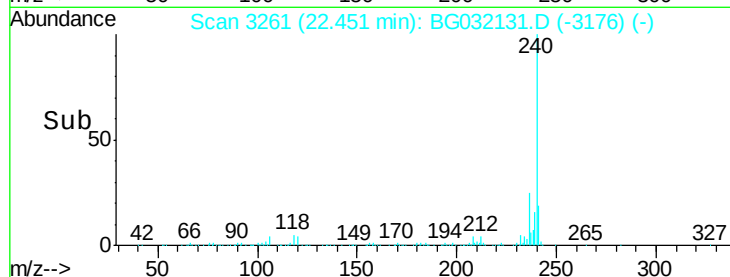
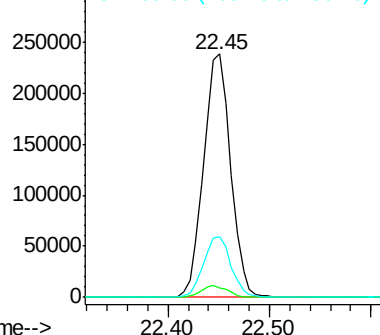
236 24.8 20.9 31.3



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: 2.527 ng

RT: 20.65 min Scan# 2955

Delta R.T. 0.35 min

Lab File: BG032131.D

Acq: 18 Jan 2018 10:15

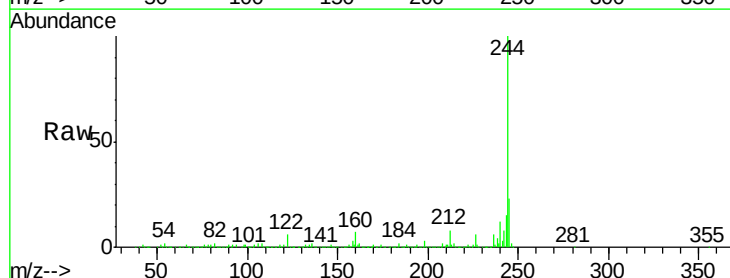
Tgt Ion:184 Resp: 27920

Ion Ratio Lower Upper

184 100

185 19.6 11.1 16.7#

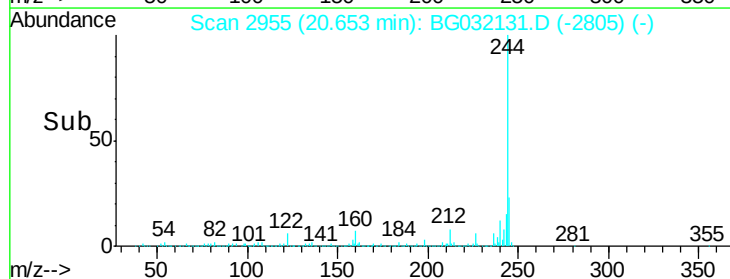
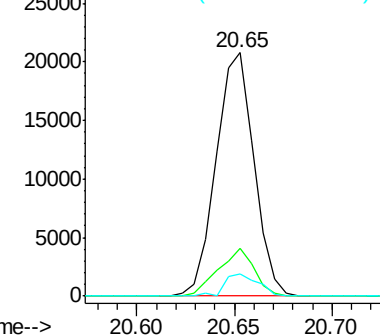
183 8.9 10.6 16.0#

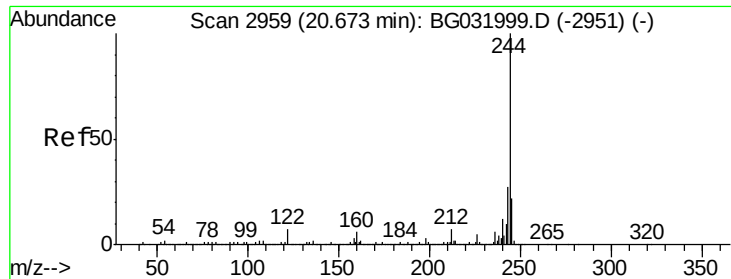


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 99.725 ng

RT: 20.65 min Scan# 2955

Delta R.T. -0.02 min

Lab File: BG032131.D

Acq: 18 Jan 2018 10:15

Instrument :

BNA_G

ClientSampleId :

TP-2-(0-4)

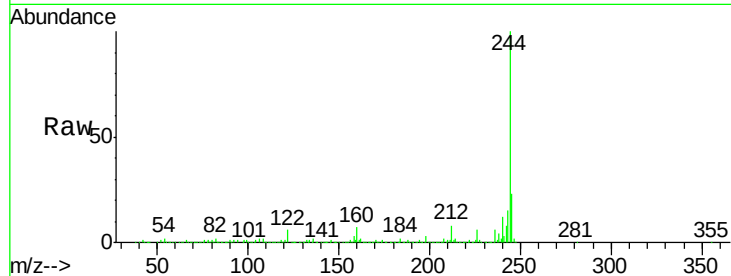
Tgt Ion:244 Resp: 1995766

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

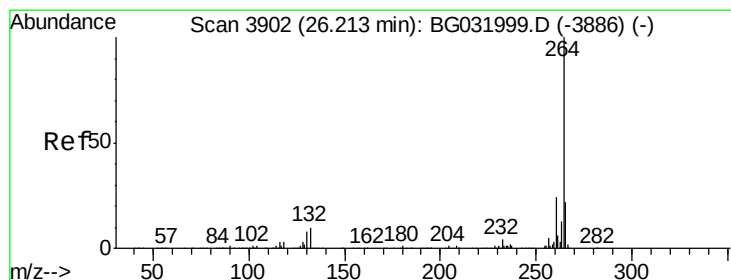
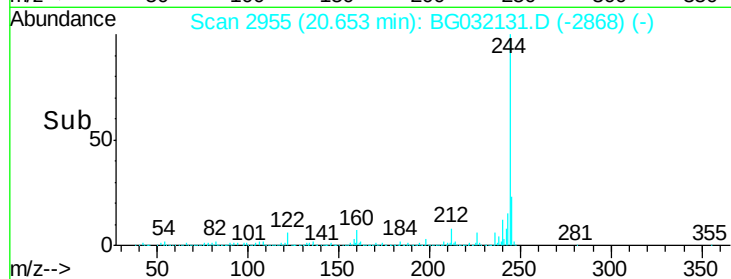
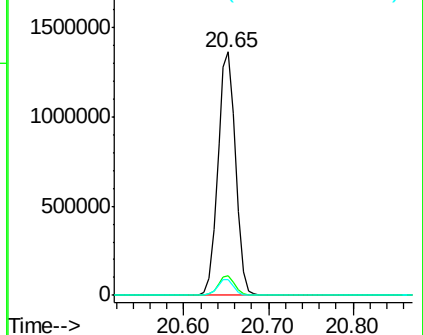
122 6.3 7.0 10.4#



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# 3891

Delta R.T. -0.06 min

Lab File: BG032131.D

Acq: 18 Jan 2018 10:15

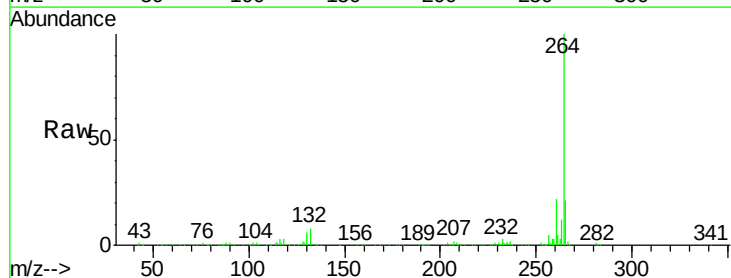
Tgt Ion:264 Resp: 470027

Ion Ratio Lower Upper

264 100

260 21.9 17.4 26.0

265 21.4 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

