

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\
 Data File : BG033229.D
 Acq On : 17 Mar 2018 11:53
 Operator : SJ/JU
 Sample : PB107416BL
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB107416BL

Quant Time: Mar 19 02:27:37 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 13:59:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.89	152	34387	20.00	ng	0.00
21) Naphthalene-d8	11.78	136	138923	20.00	ng	0.00
38) Acenaphthene-d10	15.51	164	101505	20.00	ng	0.00
63) Phenanthrene-d10	18.24	188	281656	20.00	ng	0.00
75) Chrysene-d12	22.60	240	314467	20.00	ng	0.00
86) Perylene-d12	26.40	264	330514	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.31	112	306193	142.46	ng	0.00
7) Phenol-d6	8.00	99	444771	148.46	ng	0.00
23) Nitrobenzene-d5	10.09	82	279978	133.46	ng	0.00
41) 2,4,6-Tribromophenol	16.98	330	234176	219.41	ng	0.00
44) 2-Fluorobiphenyl	14.14	172	664117	94.36	ng	0.00
78) Terphenyl-d14	20.76	244	1396578	99.78	ng	0.00

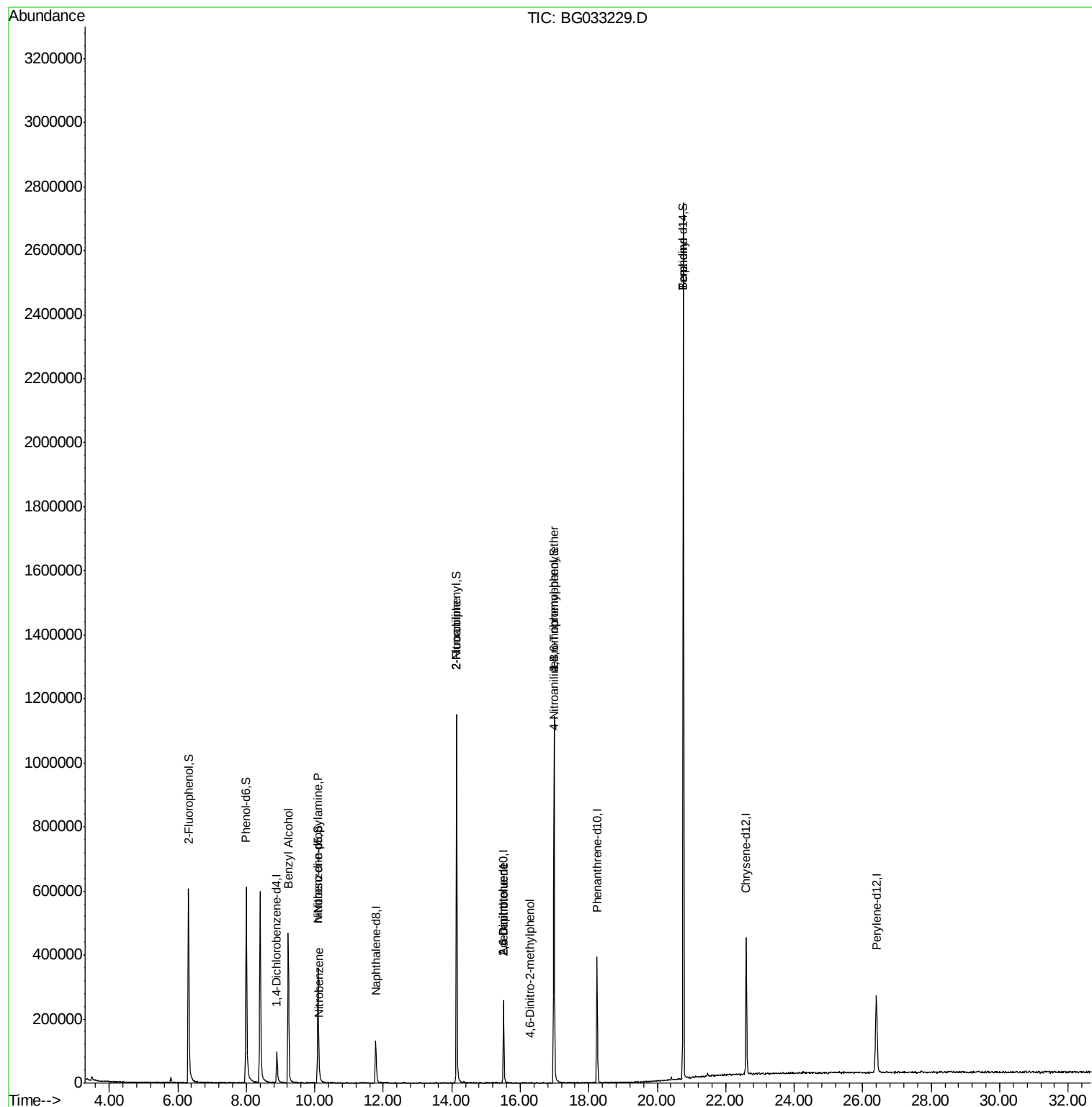
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.23	79	4971	2.257	ng	# 35
19) n-Nitroso-di-n-propylamine	10.09	70	39259	18.562	ng	# 74
24) Nitrobenzene	10.13	77	173	6.448	ng	# 42
47) 2-Nitroaniline	14.14	65	1349	10.478	ng	# 24
50) 2,6-Dinitrotoluene	15.51	165	12439	16.001	ng	# 18
56) 2,4-Dinitrotoluene	15.51	165	12439	14.196	ng	# 16
61) 4-Nitroaniline	16.97	138	70	5.333	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.28	198	66	5.047	ng	# 29
66) 4-Bromophenyl-phenylether	16.98	248	17036	5.720	ng	# 1
76) Benzidine	20.76	184	23075	2.153	ng	# 93

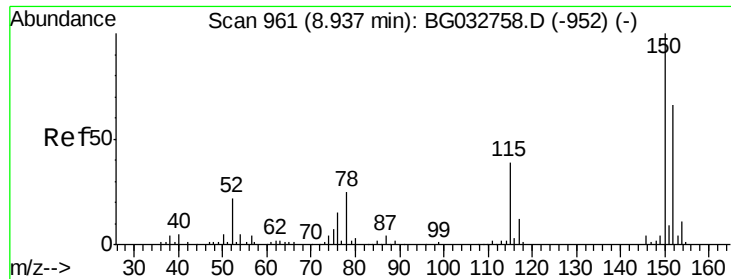
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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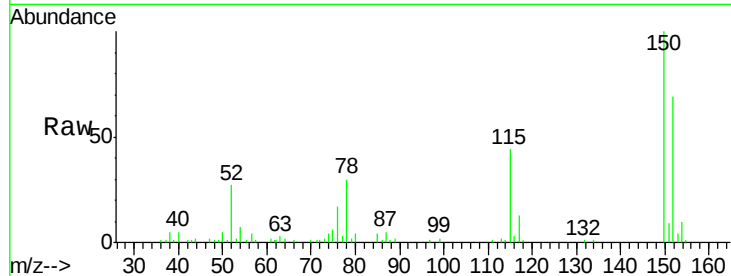


#1

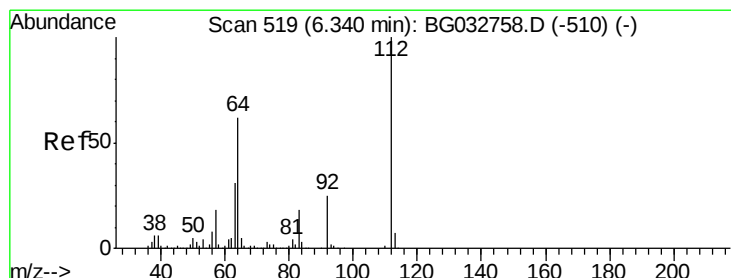
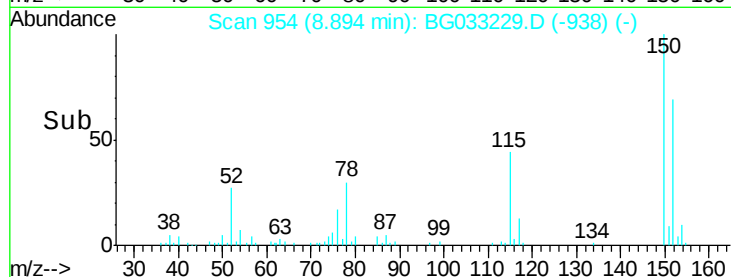
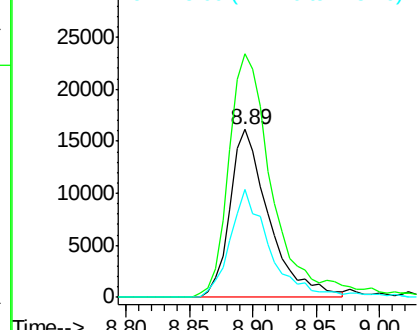
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.89 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033229.D
Acq: 17 Mar 2018 11:53

Instrument :
BNA_G
ClientSampleId :
PB107416BL

Tot Ion:152 Resp: 34387
Ion Ratio Lower Upper
152 100
150 144.9 126.6 189.8
115 64.0 53.0 79.4



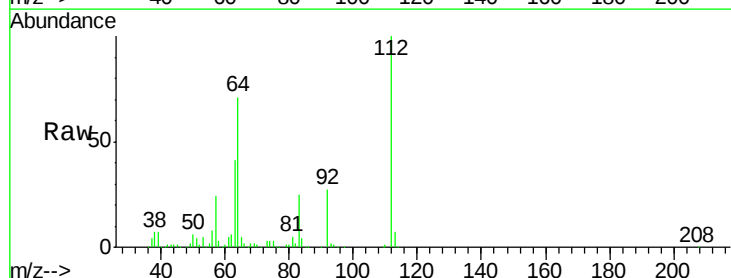
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



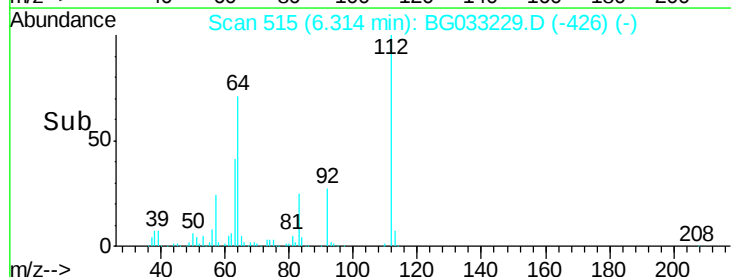
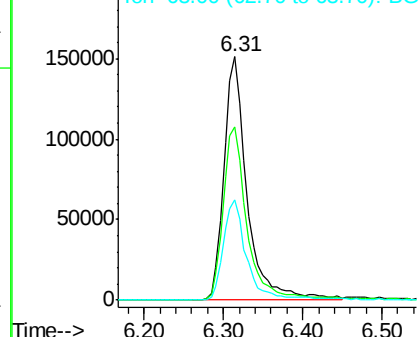
#5

2-Fluorophenol
Concen: 142.456 ng
RT: 6.31 min Scan# 515
Delta R.T. -0.00 min
Lab File: BG033229.D
Acq: 17 Mar 2018 11:53

Tgt Ion:112 Resp: 306193
Ion Ratio Lower Upper
112 100
64 71.3 56.3 84.5
63 41.3 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: 148.458 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.01 min

Lab File: BG033229.D

Acq: 17 Mar 2018 11:53

Instrument :

BNA_G

ClientSampleId :

PB107416BL

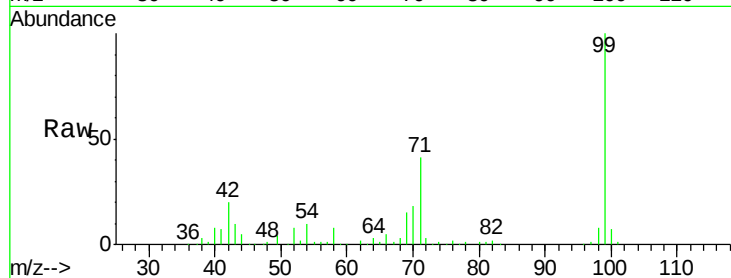
Tot Ion: 99 Resp: 444771

Ion Ratio Lower Upper

99 100

42 20.3 14.1 21.1

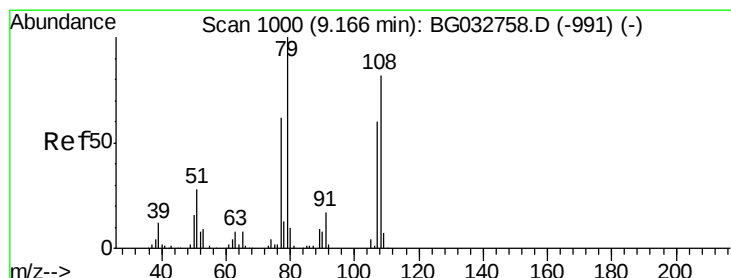
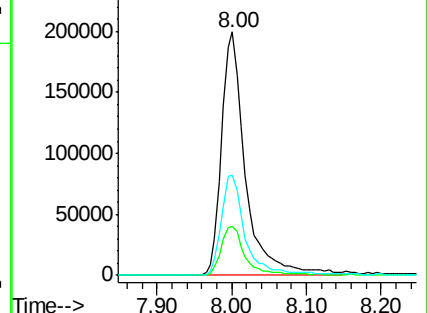
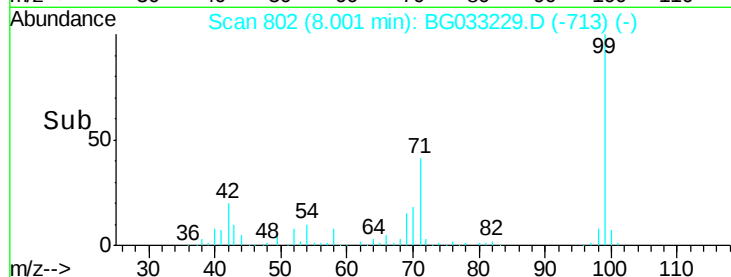
71 41.0 26.1 39.1#



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



#15

Benzyl Alcohol

Concen: 2.257 ng

RT: 9.23 min Scan# 1012

Delta R.T. 0.10 min

Lab File: BG033229.D

Acq: 17 Mar 2018 11:53

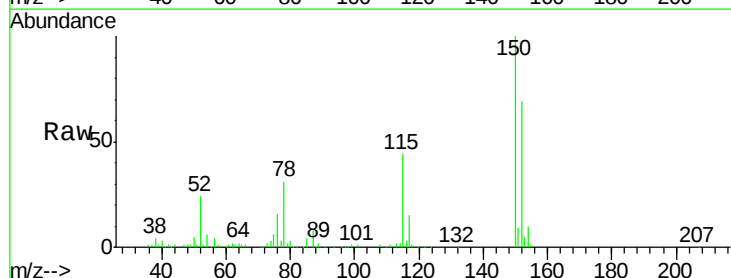
Tgt Ion: 79 Resp: 4971

Ion Ratio Lower Upper

79 100

108 29.3 57.2 85.8#

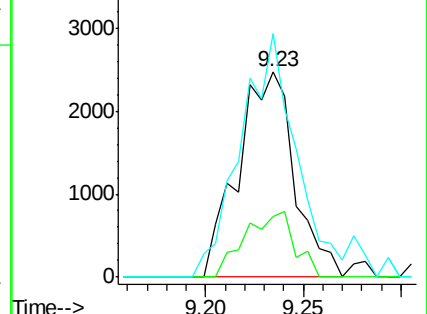
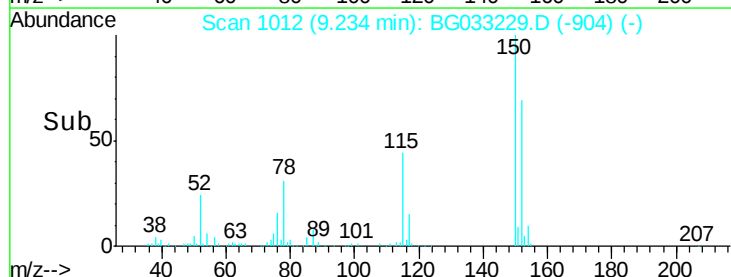
77 118.6 46.1 69.1#

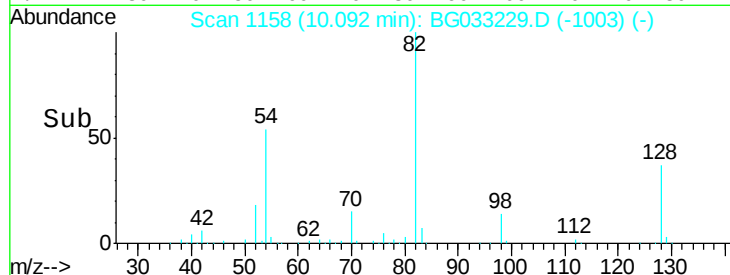
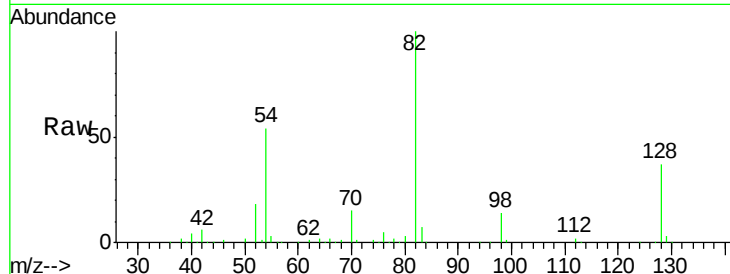
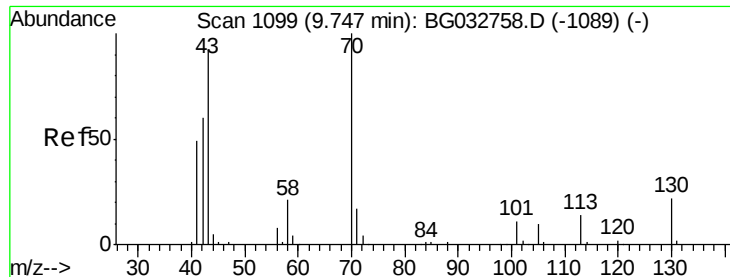


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

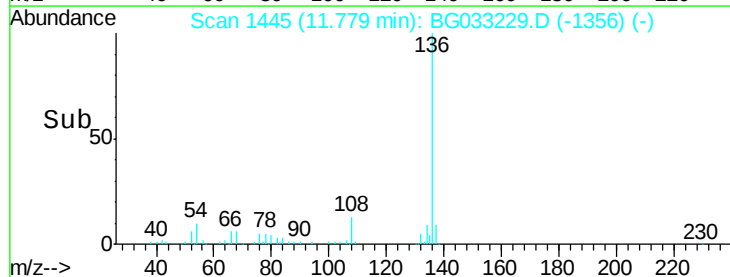
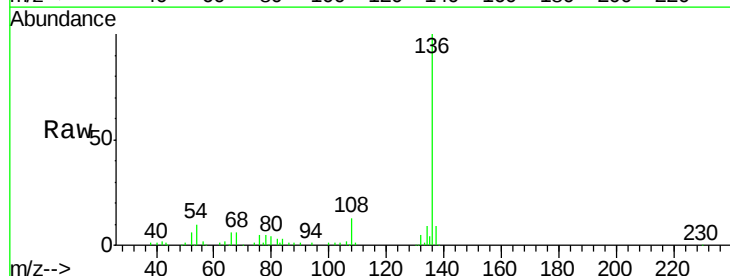
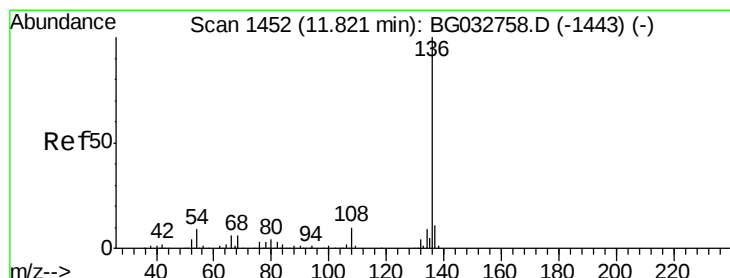
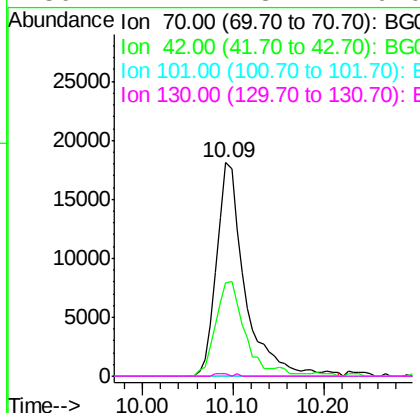




#19
n-Nitroso-di-n-propylamine
Concen: 18.562 ng
RT: 10.09 min Scan# 1158
Delta R.T. 0.38 min
Lab File: BG033229.D
Acq: 17 Mar 2018 11:53

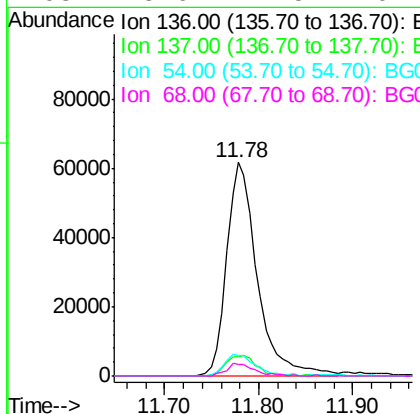
Instrument :
BNA_G
ClientSampleId :
PB107416BL

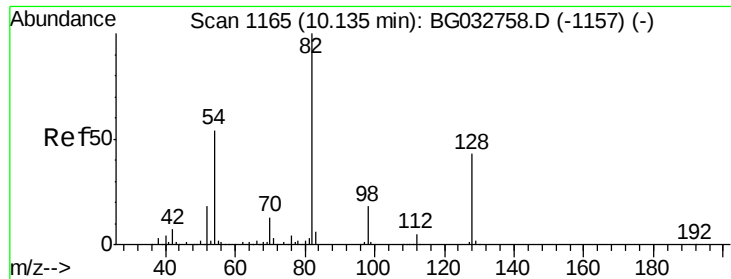
Tot Ion: 70 Resp: 39259
Ion Ratio Lower Upper
70 100
42 43.7 49.1 73.7#
101 0.0 8.5 12.7#
130 1.4 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.78 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BG033229.D
Acq: 17 Mar 2018 11:53

Tgt Ion: 136 Resp: 138923
Ion Ratio Lower Upper
136 100
137 9.0 9.2 13.8#
54 9.8 10.3 15.5#
68 5.6 4.5 6.7





#23

Nitrobenzene-d5

Concen: 133.458 ng

RT: 10.09 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BG033229.D

Acq: 17 Mar 2018 11:53

Instrument :

BNA_G

ClientSampleId :

PB107416BL

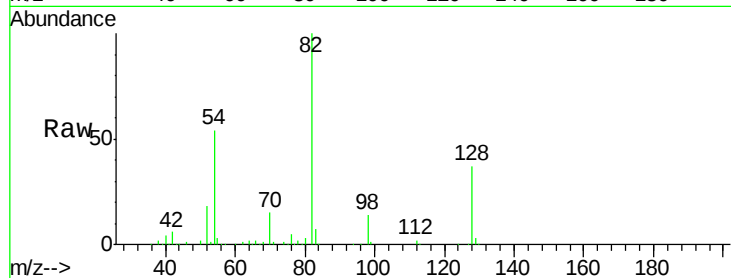
Tot Ion: 82 Resp: 279978

Ion Ratio Lower Upper

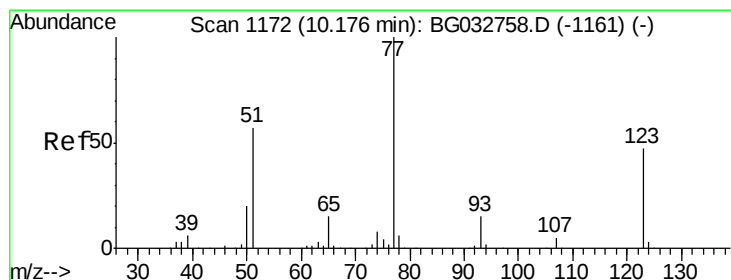
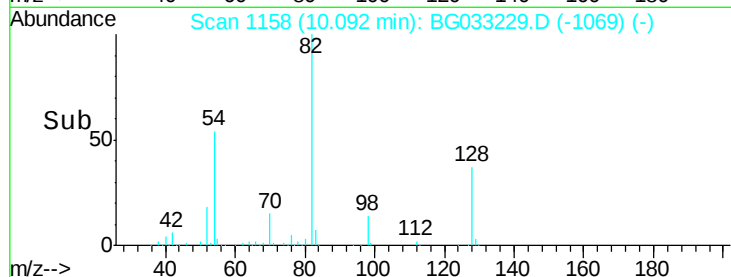
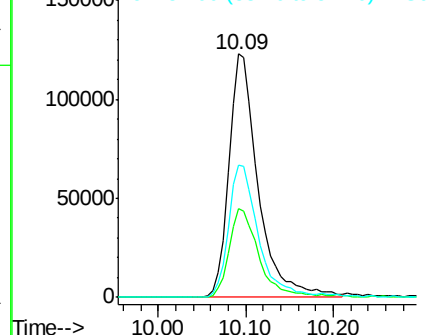
82 100

128 36.7 29.7 44.5

54 54.2 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



#24

Nitrobenzene

Concen: 6.448 ng

RT: 10.13 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BG033229.D

Acq: 17 Mar 2018 11:53

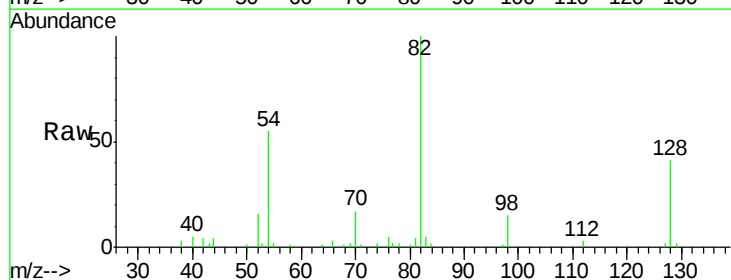
Tgt Ion: 77 Resp: 173

Ion Ratio Lower Upper

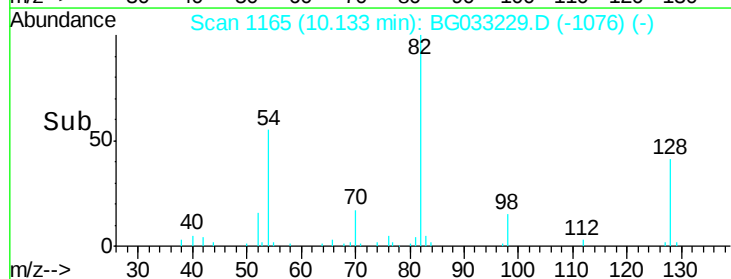
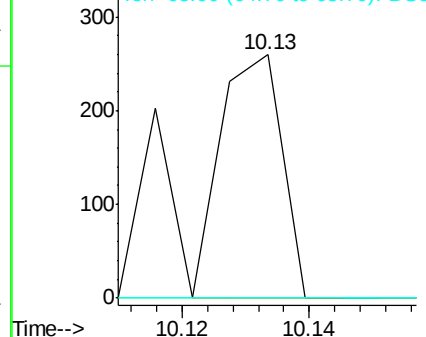
77 100

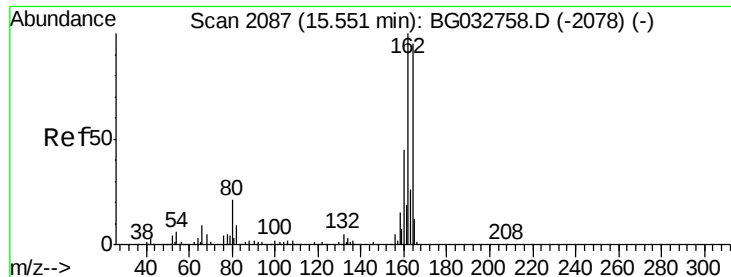
123 0.0 33.0 49.6#

65 0.0 13.0 19.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.51 min Scan# 2080

Delta R.T. -0.01 min

Lab File: BG033229.D

Acq: 17 Mar 2018 11:53

Instrument :

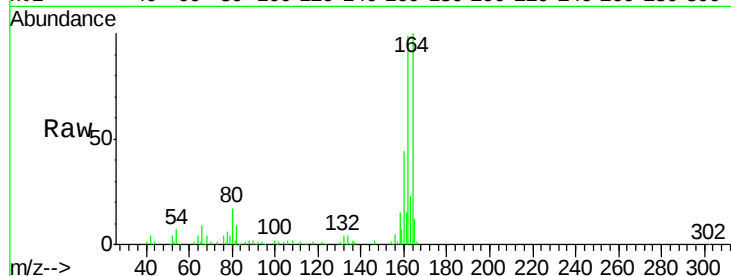
BNA_G

ClientSampleId :

PB107416BL

Tot Ion:164 Resp: 101505

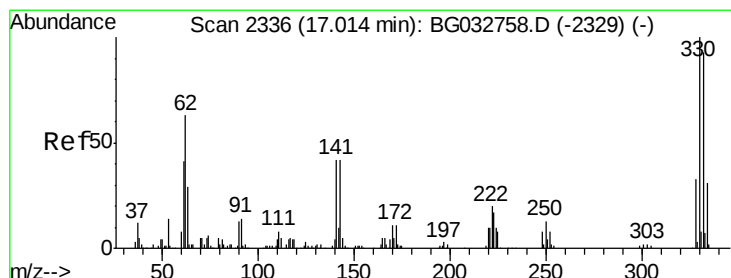
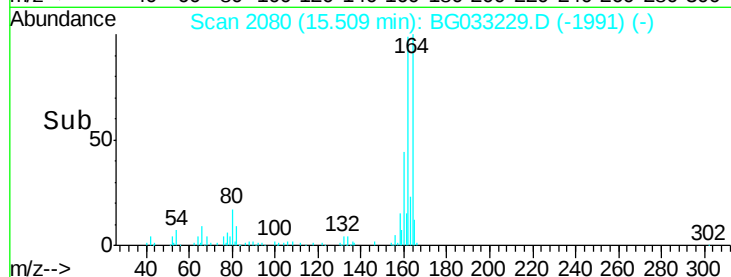
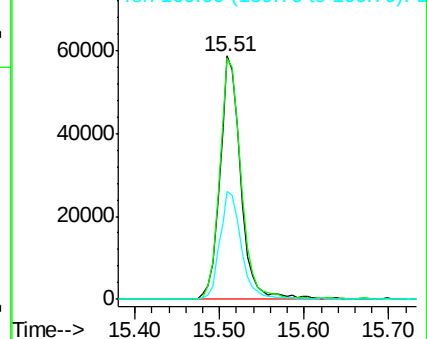
Ion	Ratio	Lower	Upper
164	100		
162	99.0	78.8	118.2
160	44.5	35.4	53.0



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: 219.412 ng

RT: 16.98 min Scan# 2331

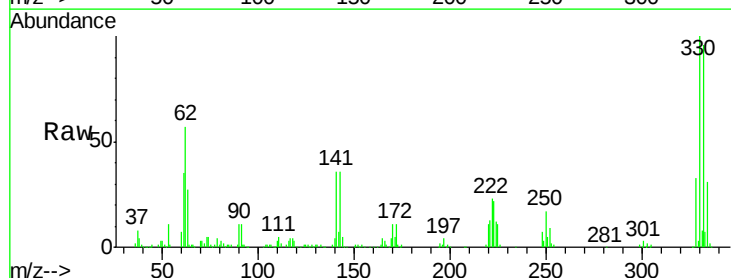
Delta R.T. -0.01 min

Lab File: BG033229.D

Acq: 17 Mar 2018 11:53

Tgt Ion:330 Resp: 234176

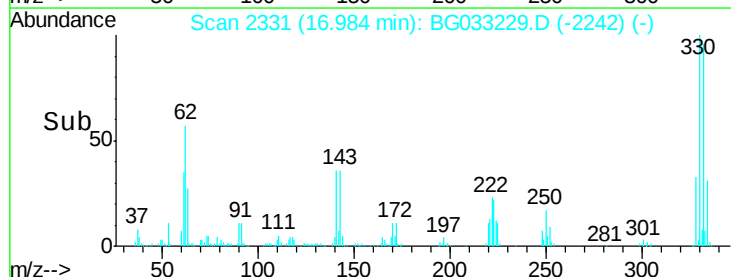
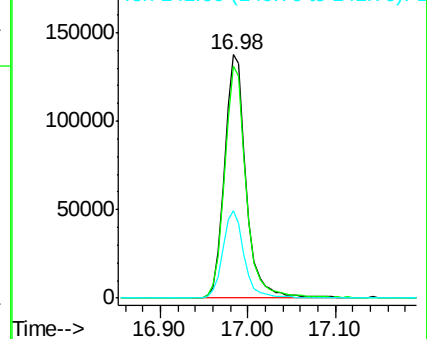
Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	35.5	25.2	37.8

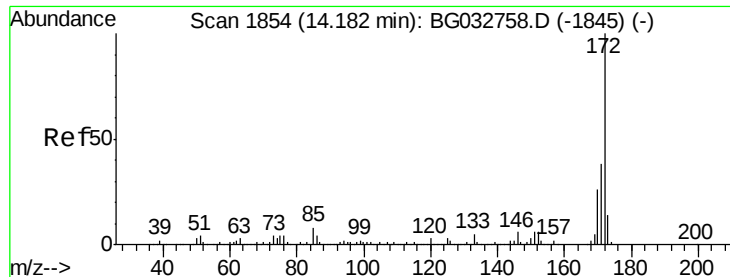


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

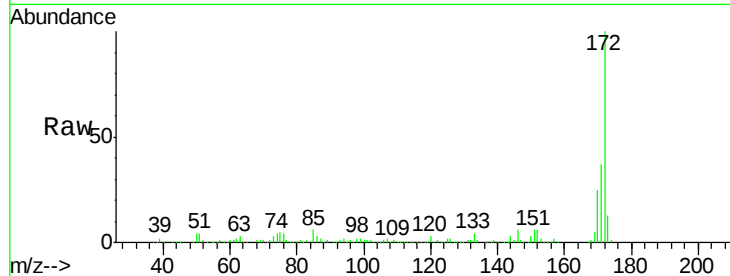




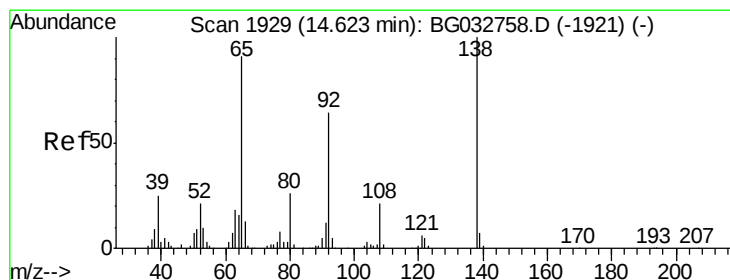
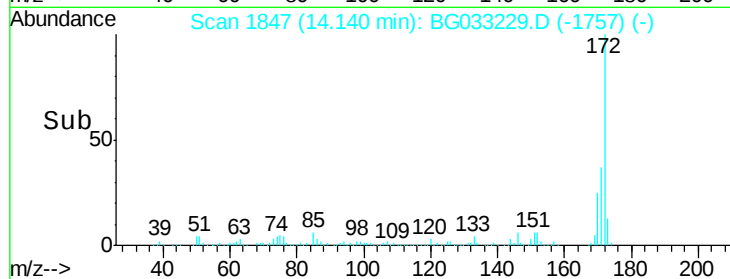
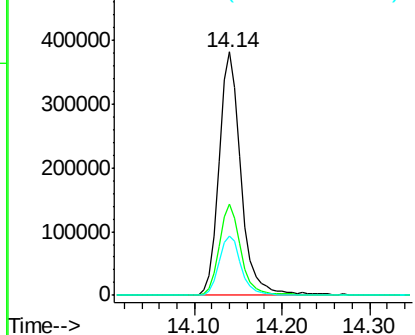
#44
 2-Fluorobiphenyl
 Concen: 94.362 ng
 RT: 14.14 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: BG033229.D
 Acq: 17 Mar 2018 11:53

Instrument :
 BNA_G
 ClientSampleId :
 PB107416BL

Tot Ion:172 Resp: 664117
 Ion Ratio Lower Upper
 172 100
 171 37.3 30.0 45.0
 170 24.5 19.5 29.3

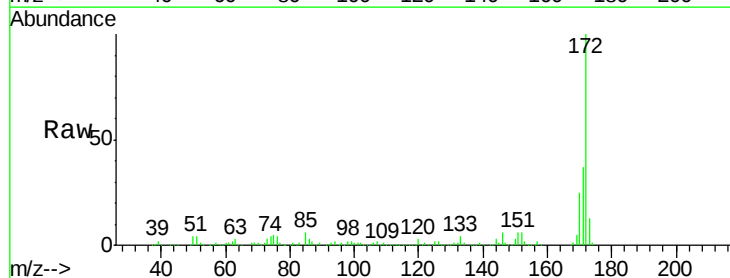


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

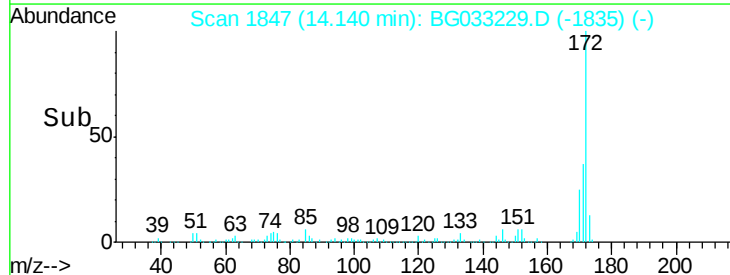
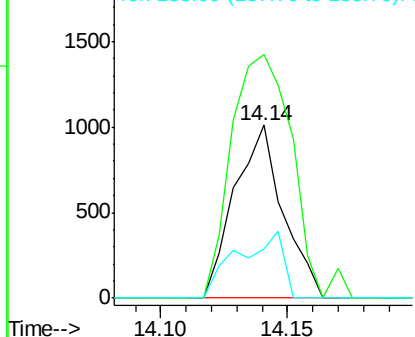


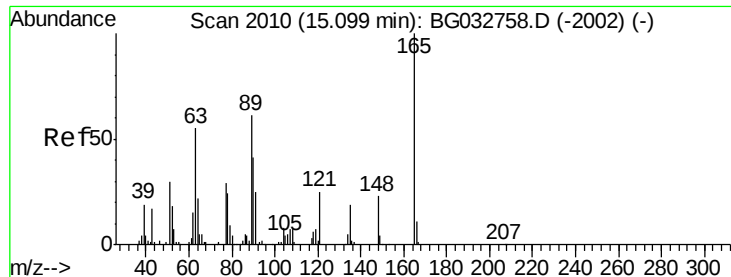
#47
 2-Nitroaniline
 Concen: 10.478 ng
 RT: 14.14 min Scan# 1847
 Delta R.T. -0.46 min
 Lab File: BG033229.D
 Acq: 17 Mar 2018 11:53

Tgt Ion: 65 Resp: 1349
 Ion Ratio Lower Upper
 65 100
 92 140.9 54.6 82.0#
 138 28.7 72.9 109.3#



Abundance Ion 65.00 (64.70 to 65.70): BGC
 Ion 92.00 (91.70 to 92.70): BGC
 Ion 138.00 (137.70 to 138.70): E

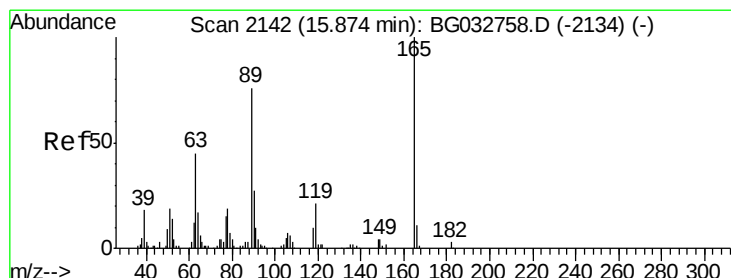
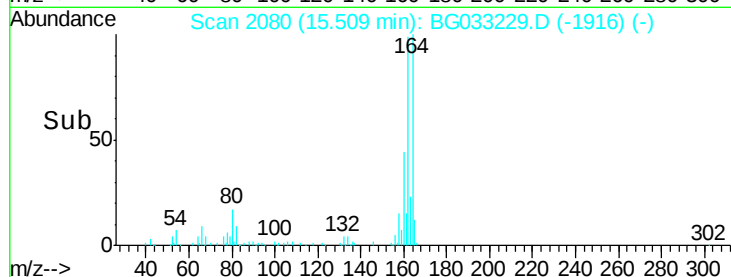
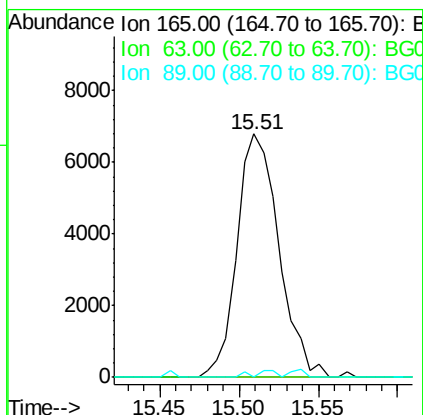
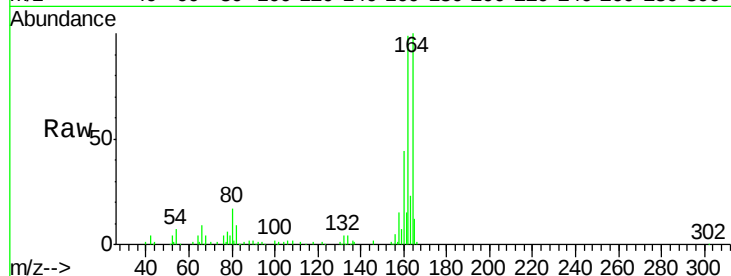




#50
2,6-Dinitrotoluene
Concen: 16.001 ng
RT: 15.51 min Scan# 2080
Delta R.T. 0.43 min
Lab File: BG033229.D
Acq: 17 Mar 2018 11:53

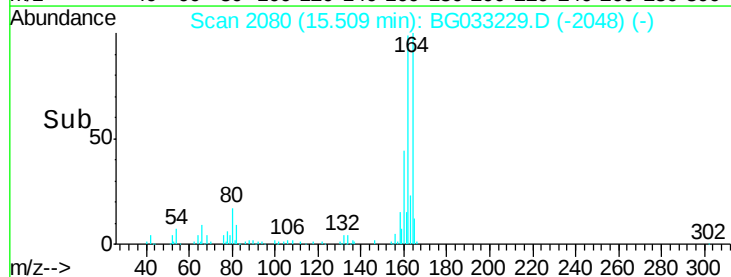
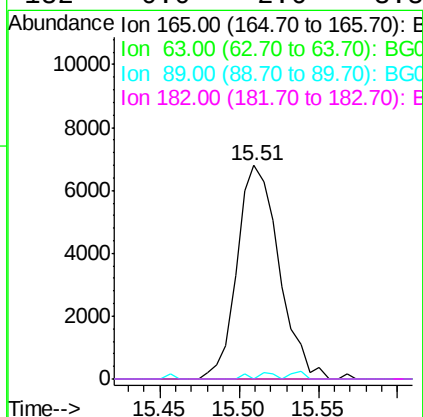
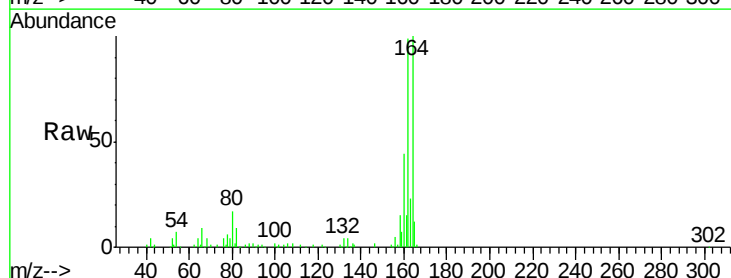
Instrument :
BNA_G
ClientSampleId :
PB107416BL

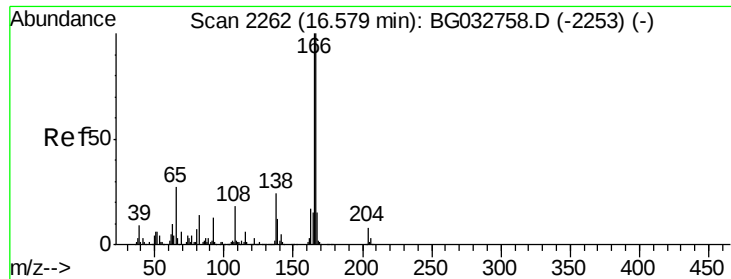
Tot Ion:165 Resp: 12439
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 0.0 49.2 73.8#



#56
2,4-Dinitrotoluene
Concen: 14.196 ng
RT: 15.51 min Scan# 2080
Delta R.T. -0.34 min
Lab File: BG033229.D
Acq: 17 Mar 2018 11:53

Tgt Ion:165 Resp: 12439
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#

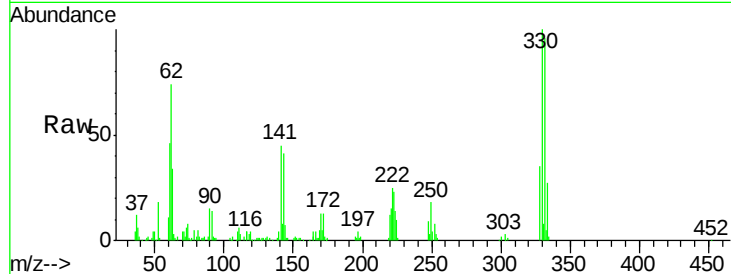




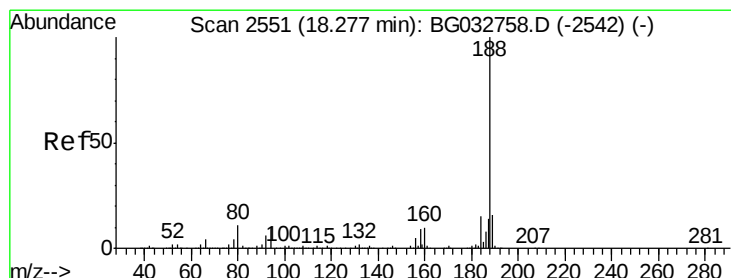
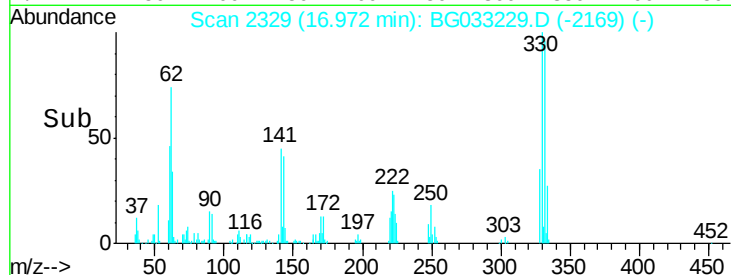
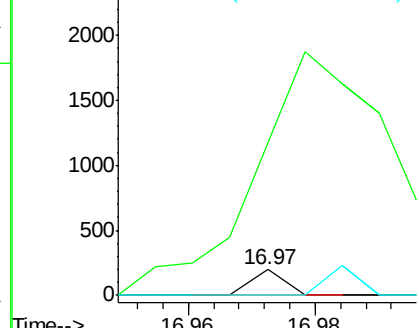
#61
4-Nitroaniline
Concen: 5.333 ng
RT: 16.97 min Scan# 2329
Delta R.T. 0.41 min
Lab File: BG033229.D
Acq: 17 Mar 2018 11:53

Instrument :
BNA_G
ClientSampleId :
PB107416BL

Tot Ion:138 Resp: 70
Ion Ratio Lower Upper
138 100
92 588.9 40.1 80.1#
108 0.0 65.4 105.4#

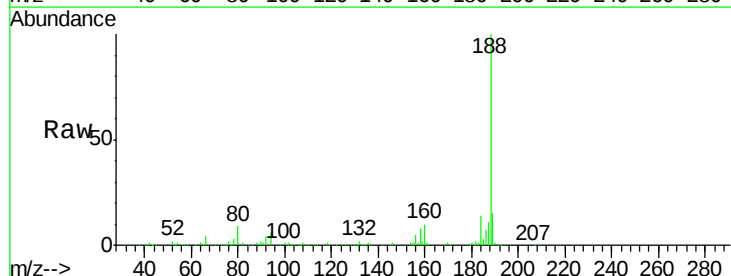


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E

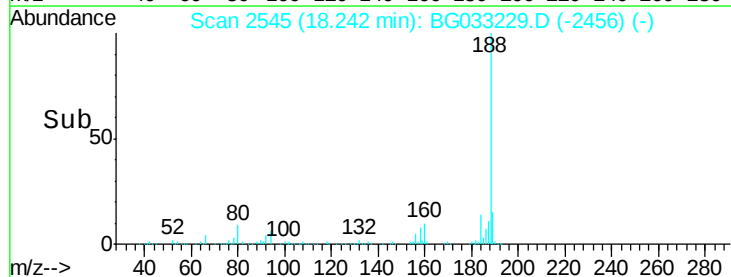
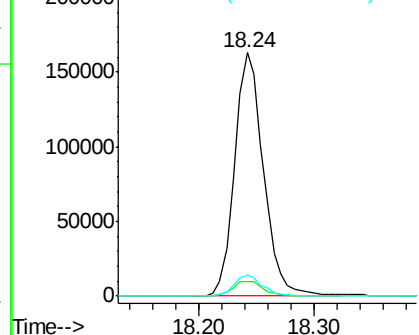


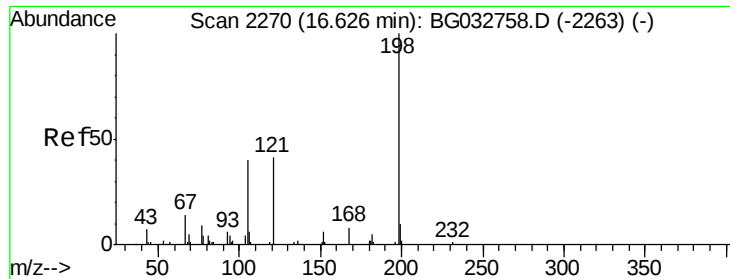
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.24 min Scan# 2545
Delta R.T. -0.01 min
Lab File: BG033229.D
Acq: 17 Mar 2018 11:53

Tgt Ion:188 Resp: 281656
Ion Ratio Lower Upper
188 100
94 6.0 6.9 10.3#
80 8.7 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG





#64

4,6-Dinitro-2-methylphenol

Concen: 5.047 ng

RT: 16.28 min Scan# 2211

Delta R.T. -0.33 min

Lab File: BG033229.D

Acq: 17 Mar 2018 11:53

Instrument :

BNA_G

ClientSampleId :

PB107416BL

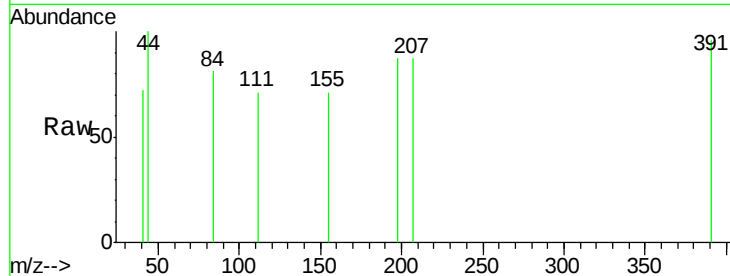
Tot Ion:198 Resp: 66

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

105 0.0 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

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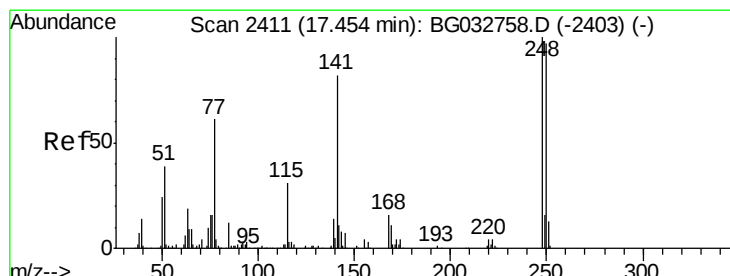
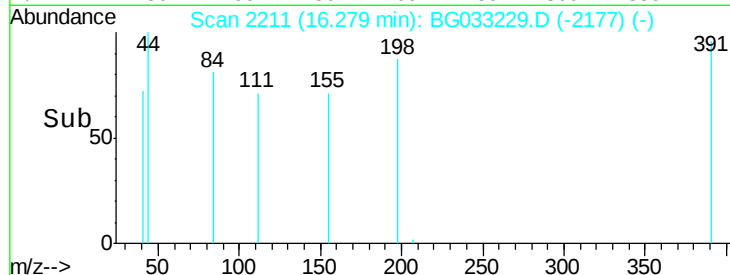
16.28

16.28

16.28

16.28

16.28



#66

4-Bromophenyl-phenylether

Concen: 5.720 ng

RT: 16.98 min Scan# 2330

Delta R.T. -0.44 min

Lab File: BG033229.D

Acq: 17 Mar 2018 11:53

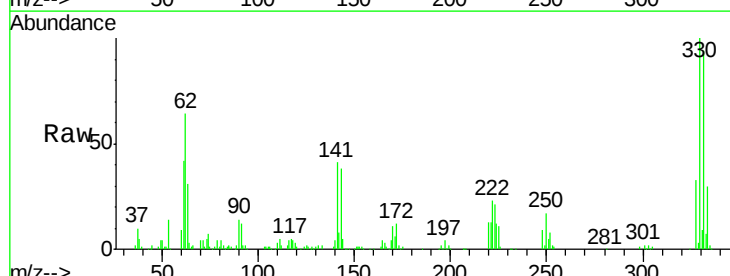
Tgt Ion:248 Resp: 17036

Ion Ratio Lower Upper

248 100

250 177.5 77.1 115.7#

141 433.4 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

16.98

16.95

16.98

16.98

16.98

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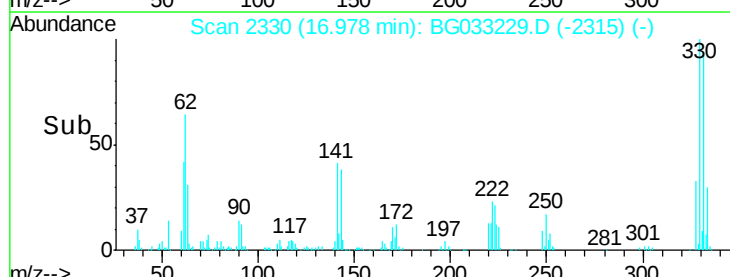
16.98

16.98

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16.98



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

16.98

16.95

16.98

16.98

16.98

16.98

16.98

16.98

16.98

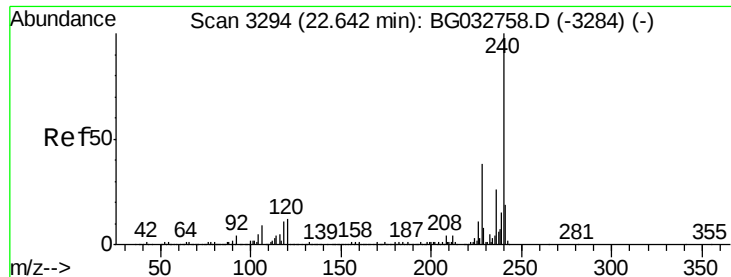
16.98

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16.98

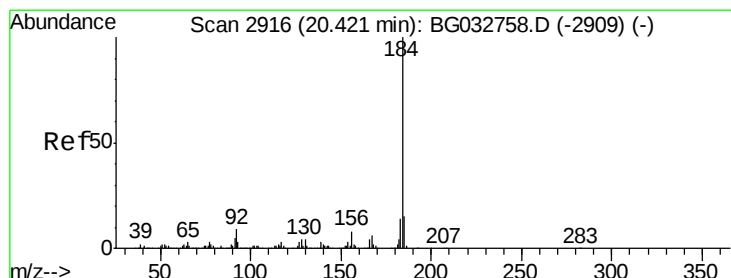
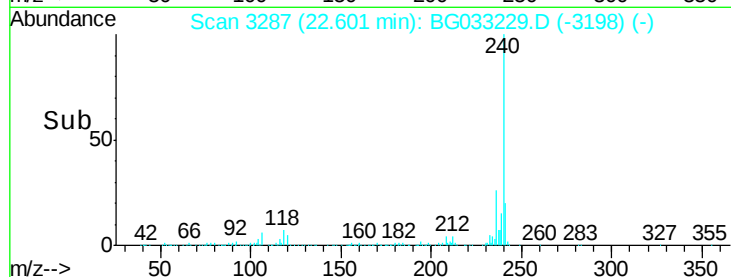
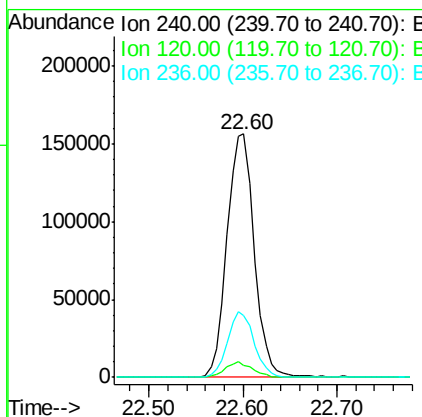
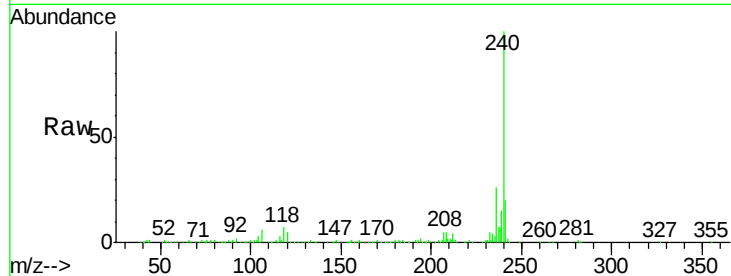
16.98



#75
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 22.60 min Scan# 3287
 Delta R.T. -0.01 min
 Lab File: BG033229.D
 Acq: 17 Mar 2018 11:53

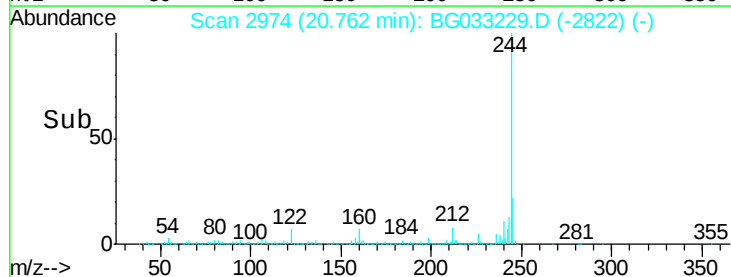
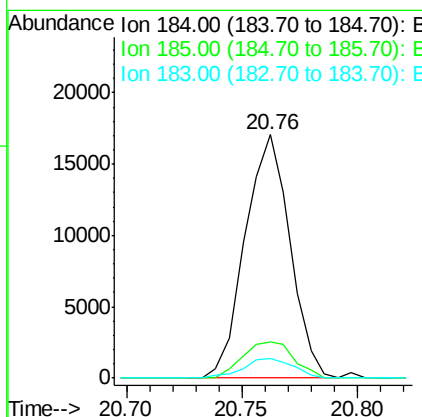
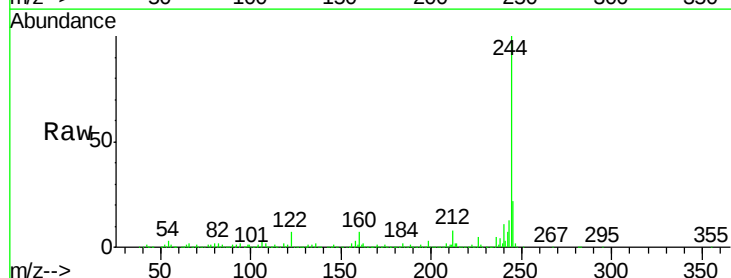
Instrument :
 BNA_G
 ClientSampleId :
 PB107416BL

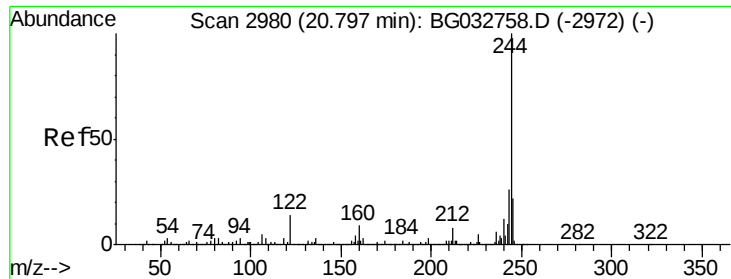
Tot Ion:240 Resp: 314467
 Ion Ratio Lower Upper
 240 100
 120 5.2 6.8 10.2#
 236 25.6 20.9 31.3



#76
 Benzidine
 Concen: 2.153 ng
 RT: 20.76 min Scan# 2974
 Delta R.T. 0.36 min
 Lab File: BG033229.D
 Acq: 17 Mar 2018 11:53

Tgt Ion:184 Resp: 23075
 Ion Ratio Lower Upper
 184 100
 185 14.9 11.1 16.7
 183 8.3 10.6 16.0#





#78

Terphenyl-d14

Concen: 99.779 ng

RT: 20.76 min Scan# 2974

Delta R.T. -0.00 min

Lab File: BG033229.D

Acq: 17 Mar 2018 11:53

Instrument :

BNA_G

ClientSampleId :

PB107416BL

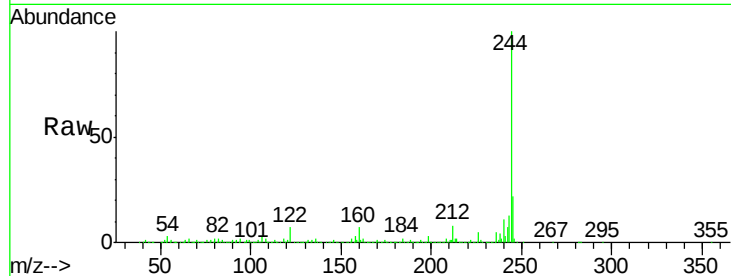
Tot Ion:244 Resp: 1396578

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

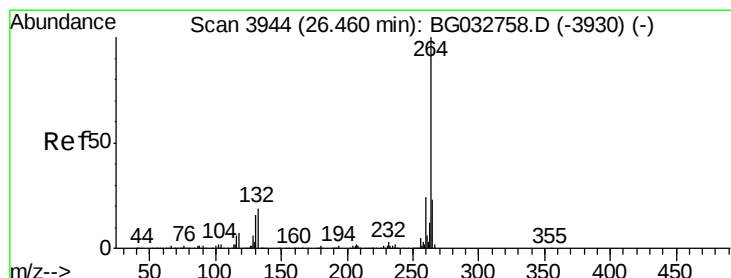
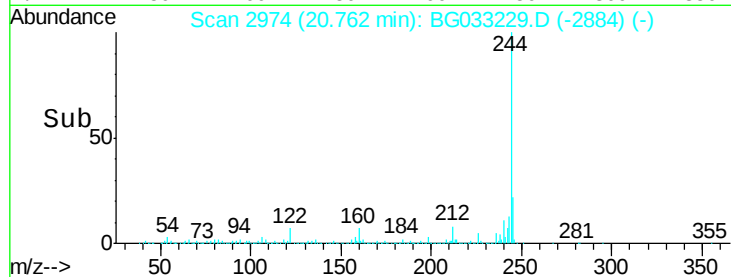
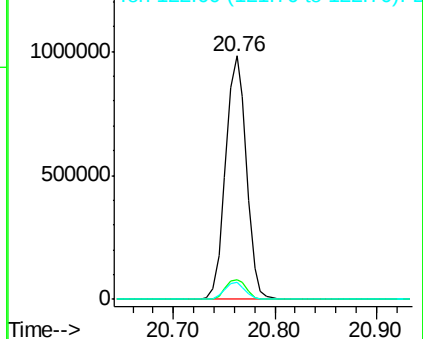
122 7.1 7.0 10.4



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: 26.40 min Scan# 3933

Delta R.T. -0.01 min

Lab File: BG033229.D

Acq: 17 Mar 2018 11:53

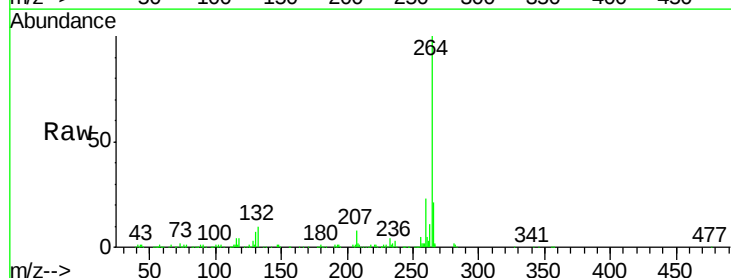
Tgt Ion:264 Resp: 330514

Ion Ratio Lower Upper

264 100

260 23.3 17.4 26.0

265 21.2 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

