

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031418\
 Data File : BG033145.D
 Acq On : 14 Mar 2018 13:17
 Operator : SJ/JU
 Sample : J1874-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 14 14:00:23 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	8.90	152	42412	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	180762	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	102591	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	260173	20.00	ng	0.00
75) Chrysene-d12	22.61	240	260831	20.00	ng	0.00
86) Perylene-d12	26.41	264	267052	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.32	112	366250	138.16	ng	0.00
7) Phenol-d6	8.01	99	440397	119.18	ng	0.00
23) Nitrobenzene-d5	10.10	82	334428	123.33	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	236887	219.60	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	720433	101.28	ng	0.00
78) Terphenyl-d14	20.77	244	1260170	108.55	ng	0.00

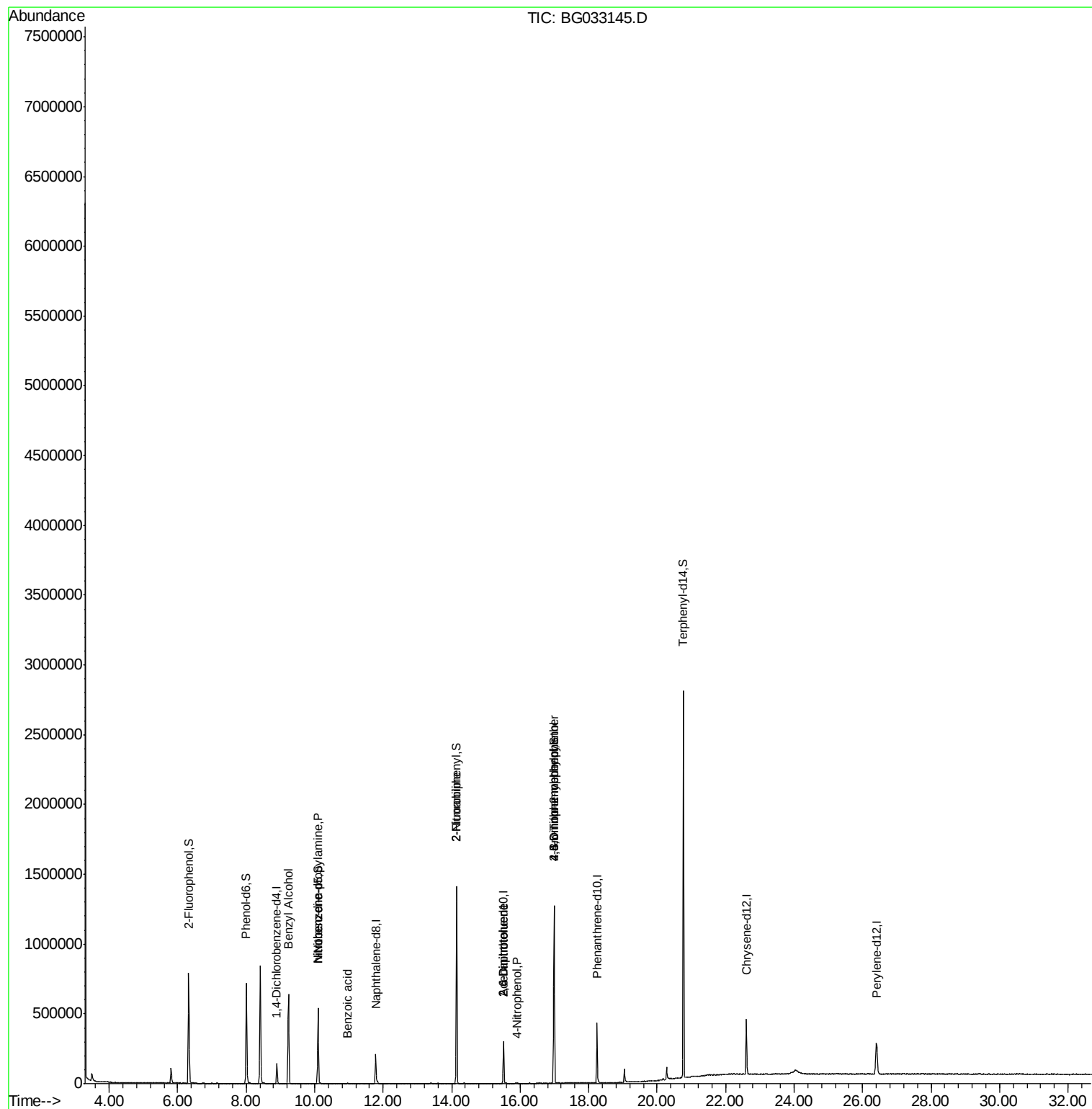
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	9.24	79	5829	2.146	ng	# 40
19) n-Nitroso-di-n-propylamine	10.10	70	44593	17.094	ng	# 82
24) Nitrobenzene	10.11	77	1160	6.729	ng	# 42
32) Benzoic acid	10.96	122	917	6.466	ng	# 68
47) 2-Nitroaniline	14.15	65	1328	10.461	ng	# 1
50) 2,6-Dinitrotoluene	15.52	165	13390	16.464	ng	# 18
55) 4-Nitrophenol	15.90	139	1040	7.745	ng	# 1
56) 2,4-Dinitrotoluene	15.52	165	13390	14.662	ng	# 16
64) 4,6-Dinitro-2-methylphenol	17.00	198	687	6.068	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	16392	5.958	ng	# 1

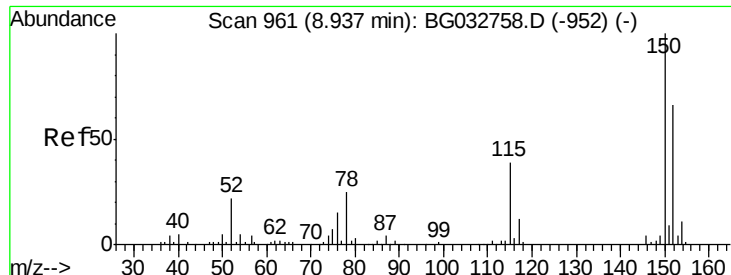
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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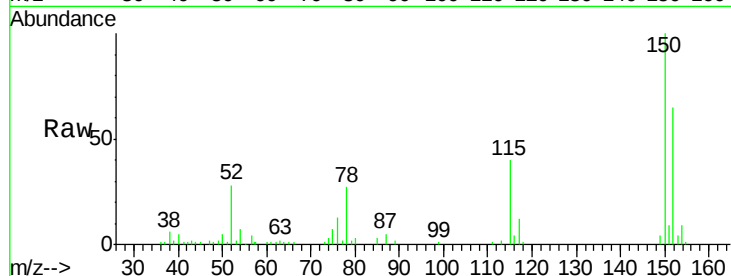


#1

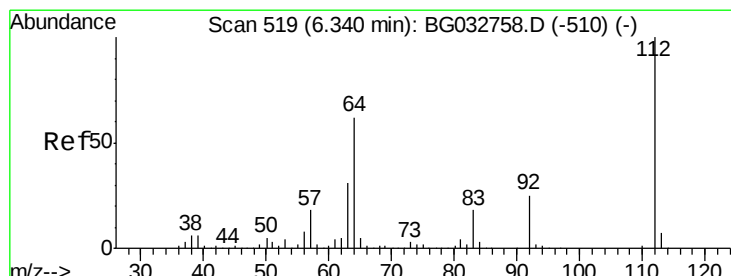
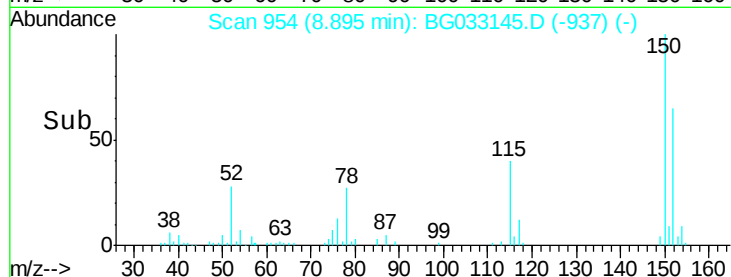
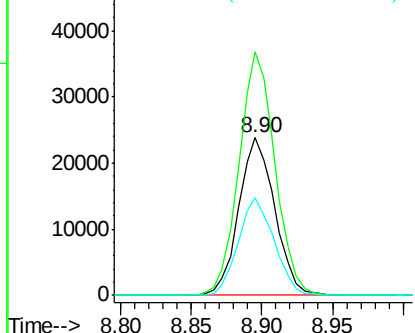
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.90 min Scan# 954
Delta R.T. -0.00 min
Lab File: BG033145.D
Acq: 14 Mar 2018 13:17

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 42412
Ion Ratio Lower Upper
152 100
150 154.5 126.6 189.8
115 62.1 53.0 79.4



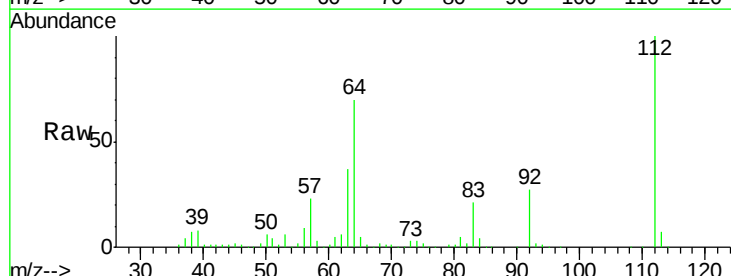
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



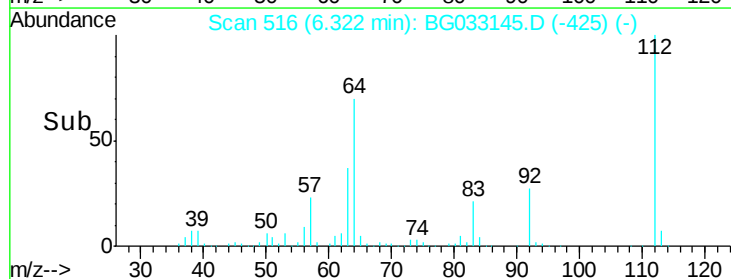
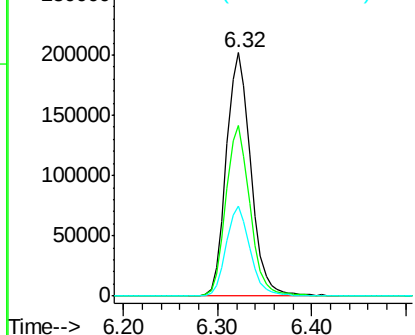
#5

2-Fluorophenol
Concen: 138.156 ng
RT: 6.32 min Scan# 516
Delta R.T. 0.00 min
Lab File: BG033145.D
Acq: 14 Mar 2018 13:17

Tgt Ion:112 Resp: 366250
Ion Ratio Lower Upper
112 100
64 70.0 56.3 84.5
63 36.7 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: 119.184 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033145.D

Acq: 14 Mar 2018 13:17

Instrument :

BNA_G

ClientSampleId :

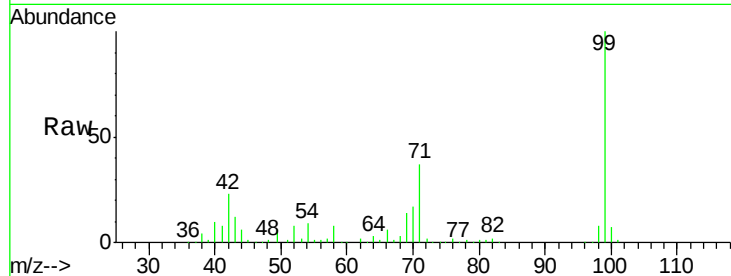
Tot Ion: 99 Resp: 440397

Ion Ratio Lower Upper

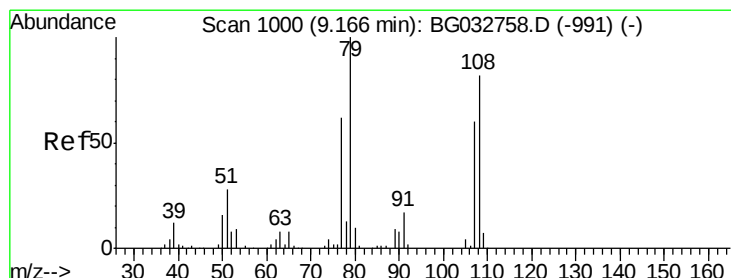
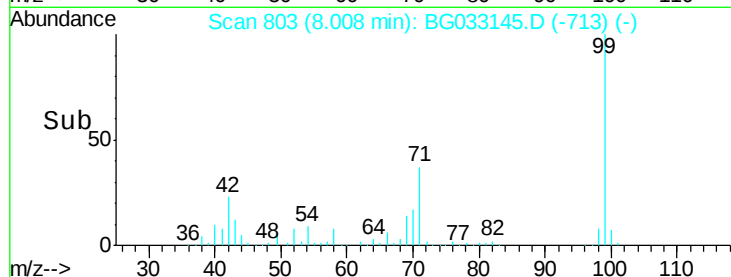
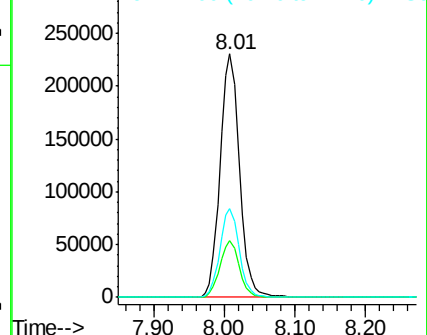
99 100

42 23.4 14.1 21.1#

71 36.7 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: 2.146 ng

RT: 9.24 min Scan# 1012

Delta R.T. 0.10 min

Lab File: BG033145.D

Acq: 14 Mar 2018 13:17

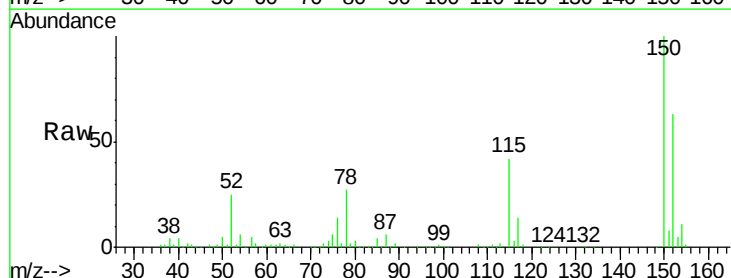
Tgt Ion: 79 Resp: 5829

Ion Ratio Lower Upper

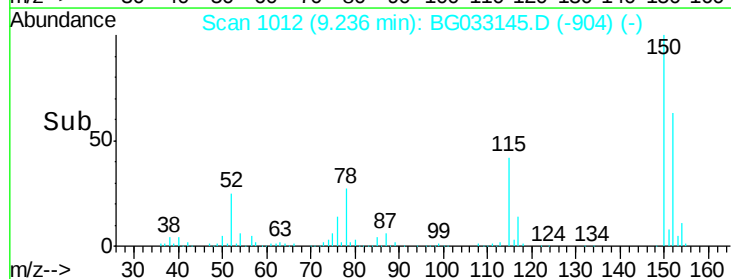
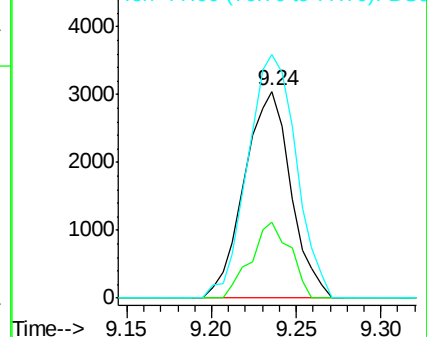
79 100

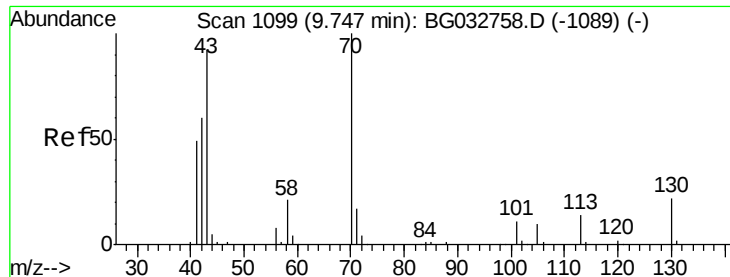
108 36.6 57.2 85.8#

77 117.8 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

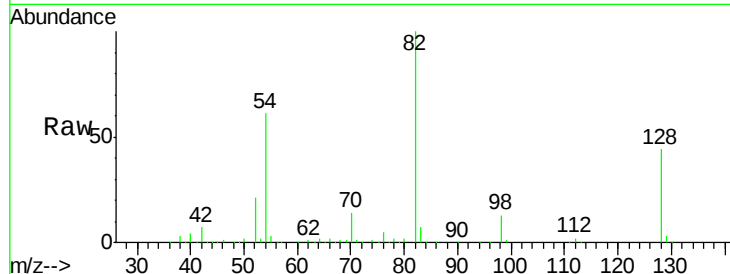




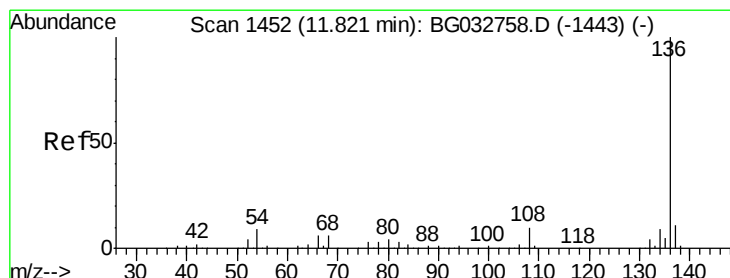
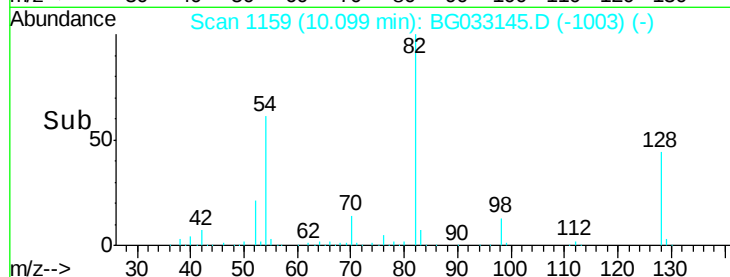
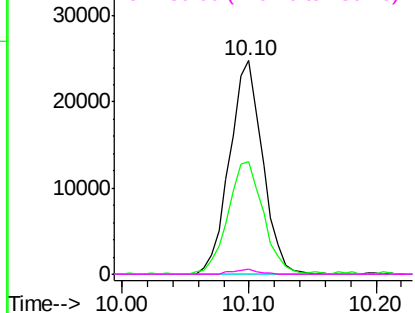
#19
n-Nitroso-di-n-propylamine
Concen: 17.094 ng
RT: 10.10 min Scan# 1159
Delta R.T. 0.39 min
Lab File: BG033145.D
Acq: 14 Mar 2018 13:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 44593
Ion Ratio Lower Upper
70 100
42 52.5 49.1 73.7
101 0.0 8.5 12.7#
130 2.2 13.4 20.0#



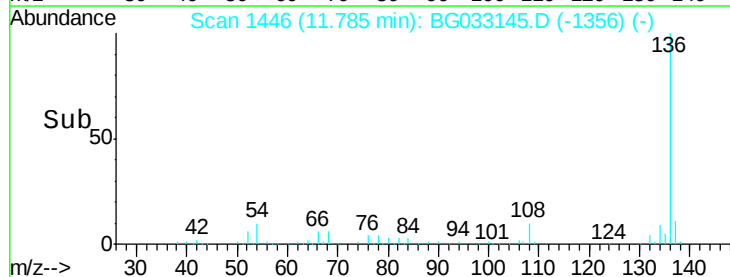
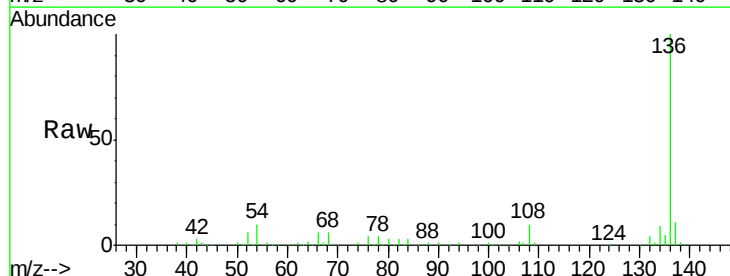
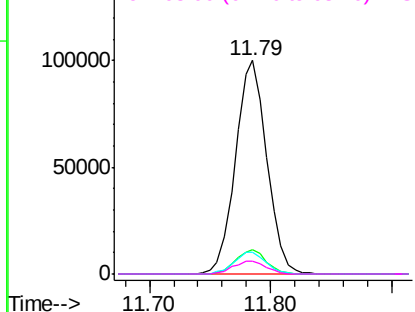
Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

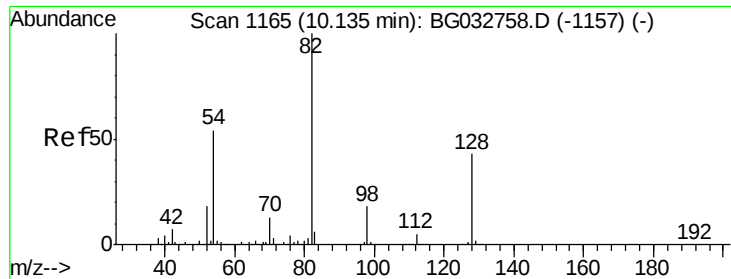


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BG033145.D
Acq: 14 Mar 2018 13:17

Tgt Ion:136 Resp: 180762
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 10.3 10.3 15.5#
68 6.3 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: 123.328 ng

RT: 10.10 min Scan# 1159

Delta R.T. -0.00 min

Lab File: BG033145.D

Acq: 14 Mar 2018 13:17

Instrument :

BNA_G

ClientSampled :

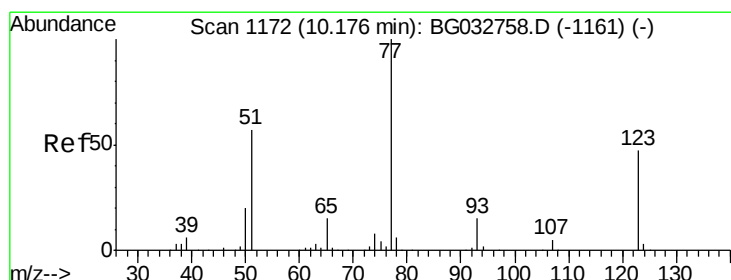
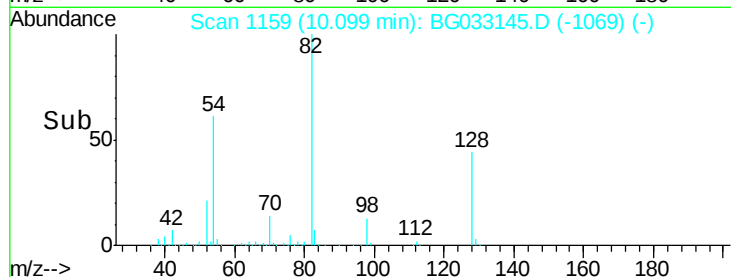
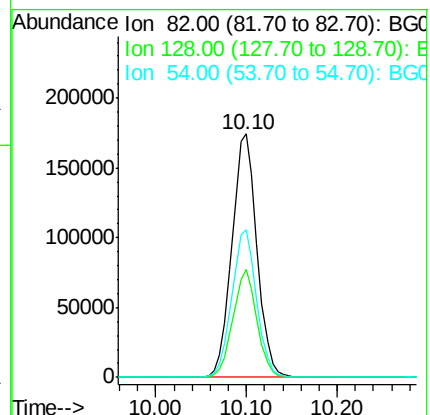
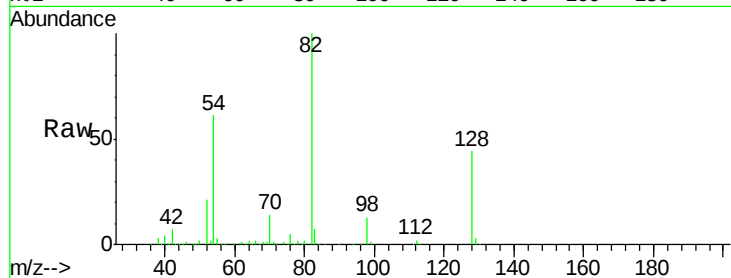
Tot Ion: 82 Resp: 334428

Ion Ratio Lower Upper

82 100

128 44.5 29.7 44.5

54 60.7 43.1 64.7



#24

Nitrobenzene

Concen: 6.729 ng

RT: 10.11 min Scan# 1160

Delta R.T. -0.04 min

Lab File: BG033145.D

Acq: 14 Mar 2018 13:17

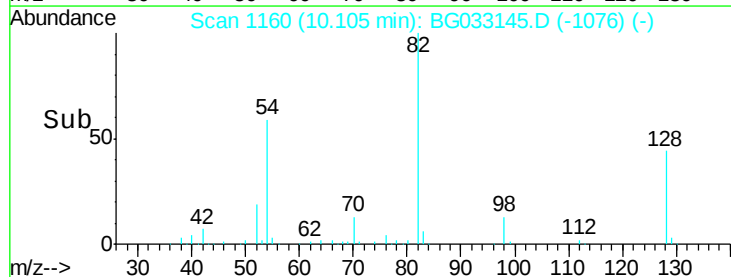
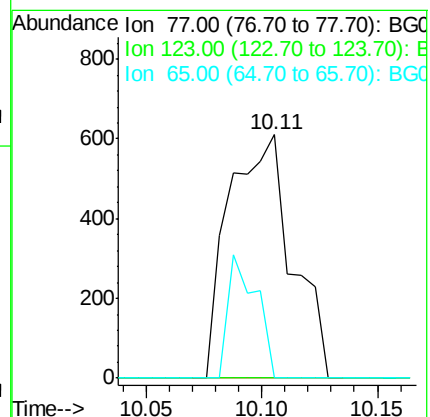
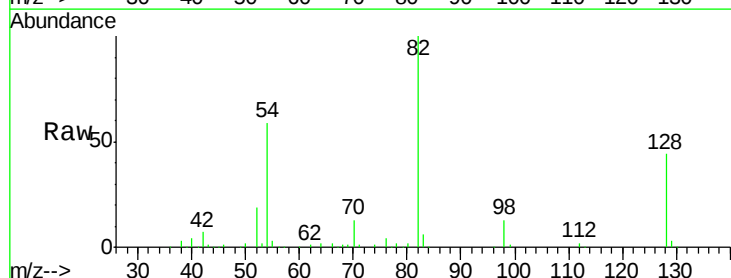
Tgt Ion: 77 Resp: 1160

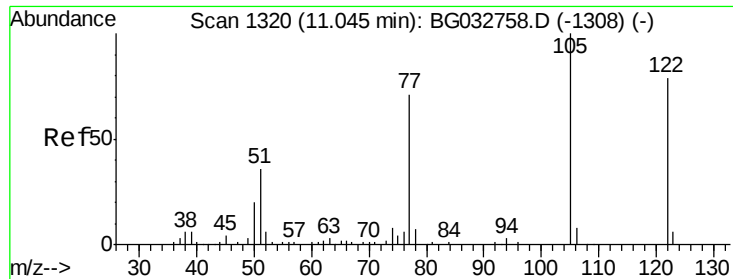
Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

65 0.0 13.0 19.6#

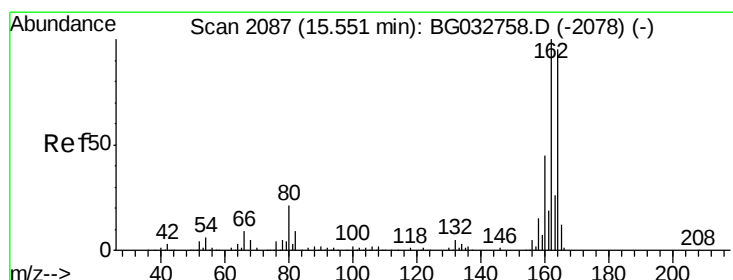
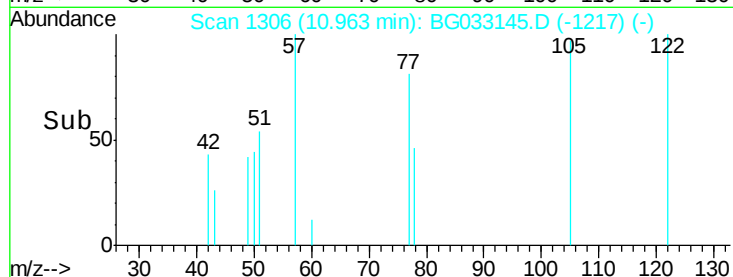
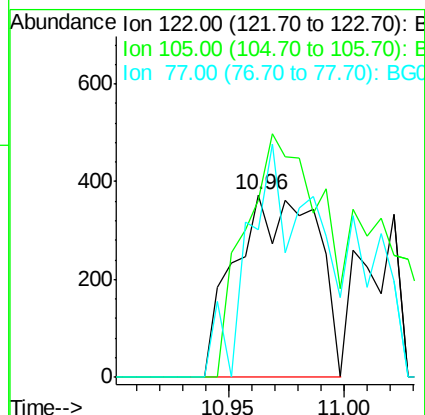
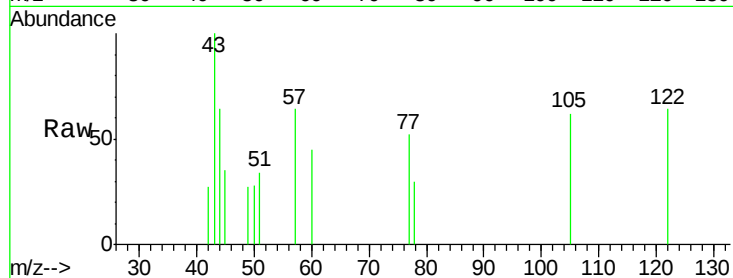




#32
Benzoic acid
Concen: 6.466 ng
RT: 10.96 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BG033145.D
Acq: 14 Mar 2018 13:17

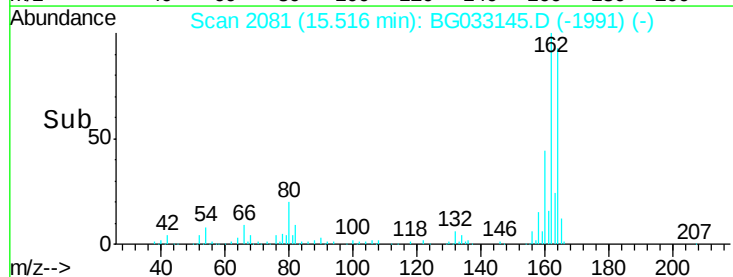
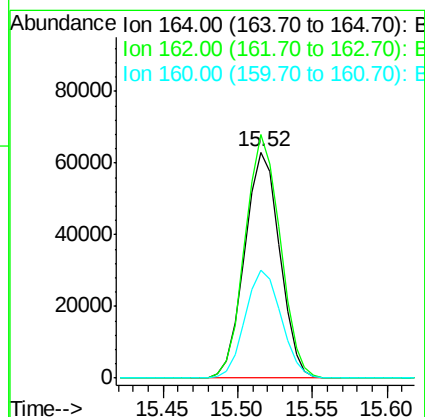
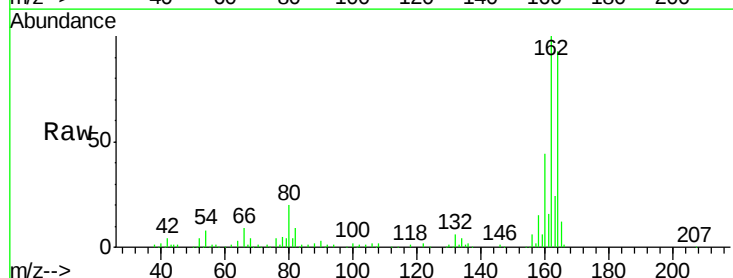
Instrument :
BNA_G
ClientSampled :

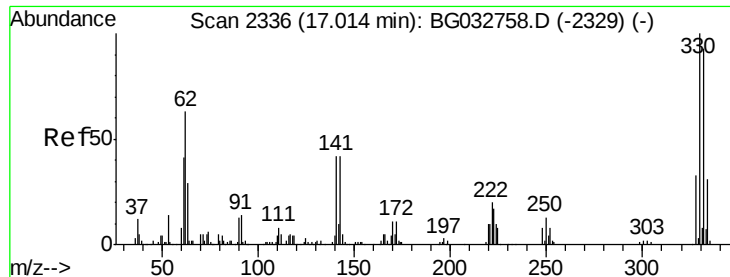
Tot Ion:122 Resp: 917
Ion Ratio Lower Upper
122 100
105 97.1 123.5 163.5#
77 81.2 85.7 125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.52 min Scan# 2081
Delta R.T. -0.00 min
Lab File: BG033145.D
Acq: 14 Mar 2018 13:17

Tgt Ion:164 Resp: 102591
Ion Ratio Lower Upper
164 100
162 107.6 78.8 118.2
160 47.5 35.4 53.0

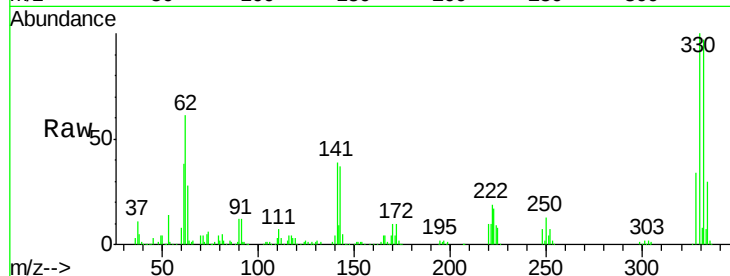




#41
 2,4,6-Tribromophenol
 Concen: 219.602 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: BG033145.D
 Acq: 14 Mar 2018 13:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	39.3	25.2	37.8#

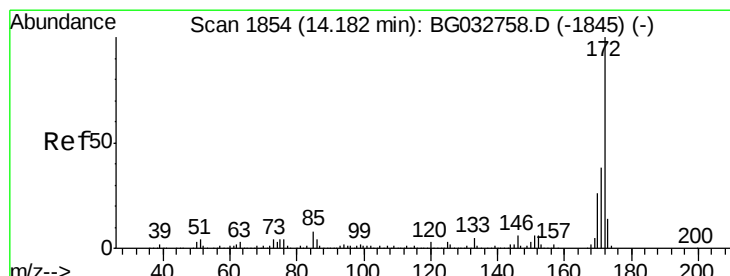
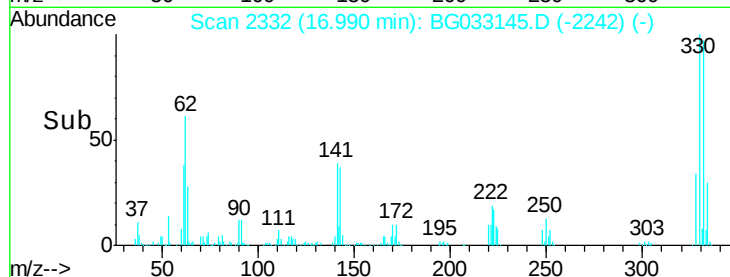
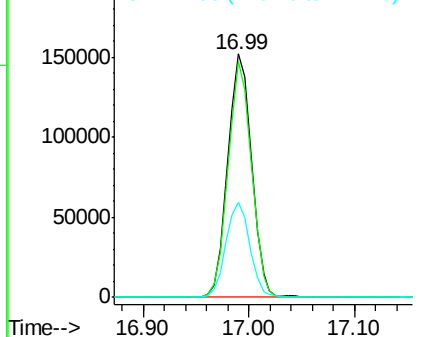


Abundance

Ion 329.80 (329.50 to 330.50): E

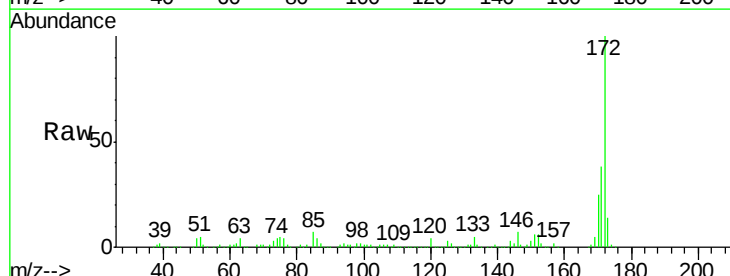
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 101.280 ng
 RT: 14.15 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BG033145.D
 Acq: 14 Mar 2018 13:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	30.0	45.0
170	25.1	19.5	29.3

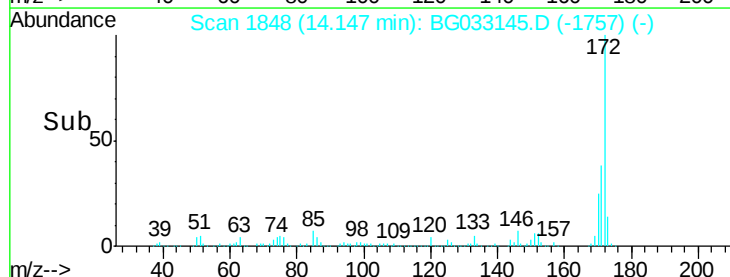
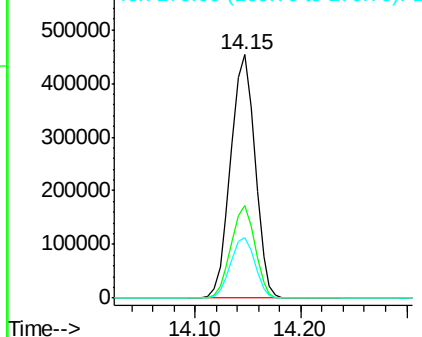


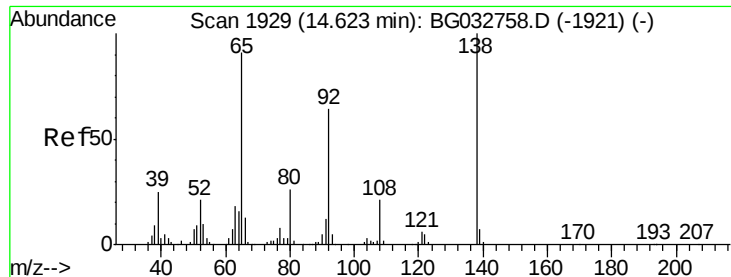
Abundance

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: 10.461 ng

RT: 14.15 min Scan# 1849

Delta R.T. -0.45 min

Lab File: BG033145.D

Acq: 14 Mar 2018 13:17

Instrument :

BNA_G

ClientSampleId :

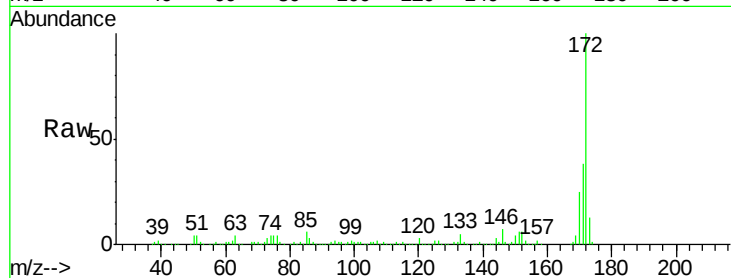
Tot Ion: 65 Resp: 1328

Ion Ratio Lower Upper

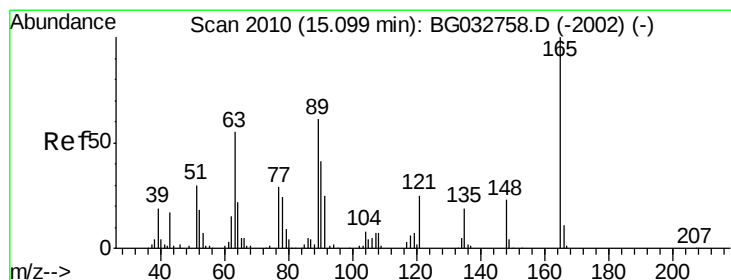
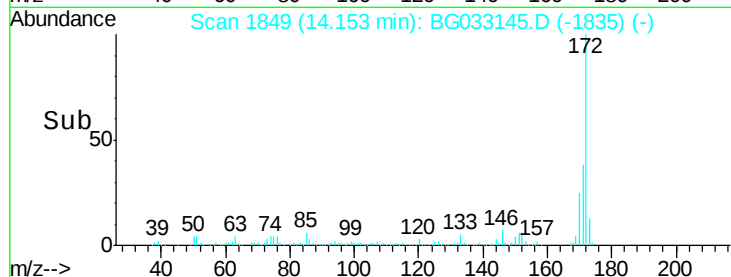
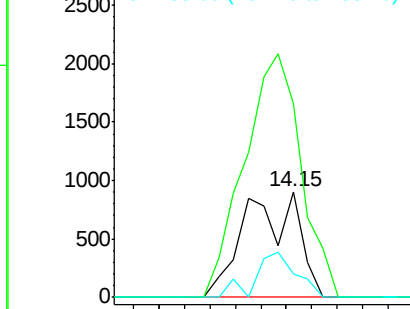
65 100

92 183.4 54.6 82.0#

138 22.1 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): BGC



#50

2,6-Dinitrotoluene

Concen: 16.464 ng

RT: 15.52 min Scan# 2081

Delta R.T. 0.44 min

Lab File: BG033145.D

Acq: 14 Mar 2018 13:17

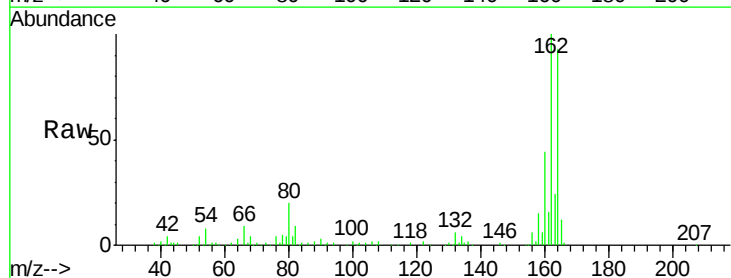
Tgt Ion: 165 Resp: 13390

Ion Ratio Lower Upper

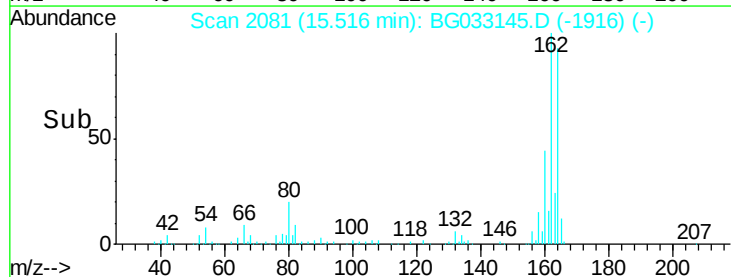
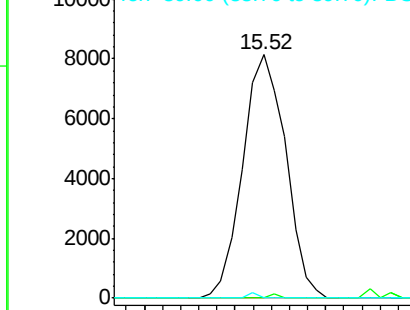
165 100

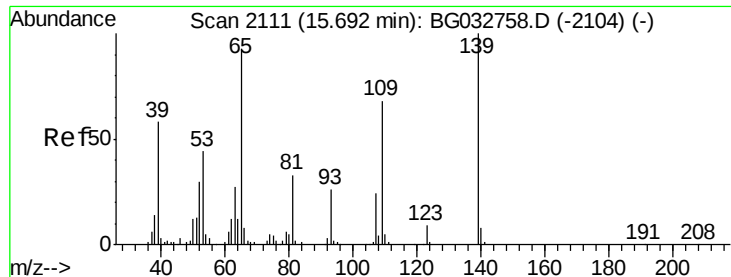
63 0.0 52.7 79.1#

89 0.0 49.2 73.8#



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





#55

4-Nitrophenol

Concen: 7.745 ng

RT: 15.90 min Scan# 2147

Delta R.T. 0.21 min

Lab File: BG033145.D

Acq: 14 Mar 2018 13:17

Instrument :

BNA_G

ClientSampleId :

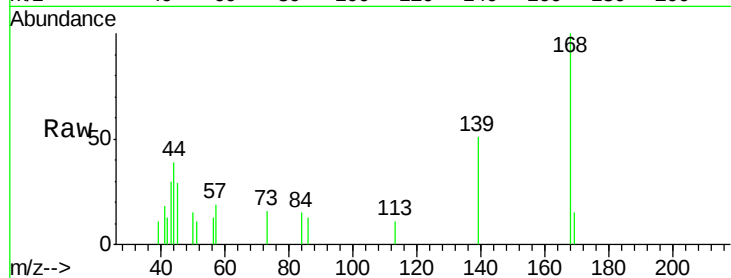
Tot Ion:139 Resp: 1040

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

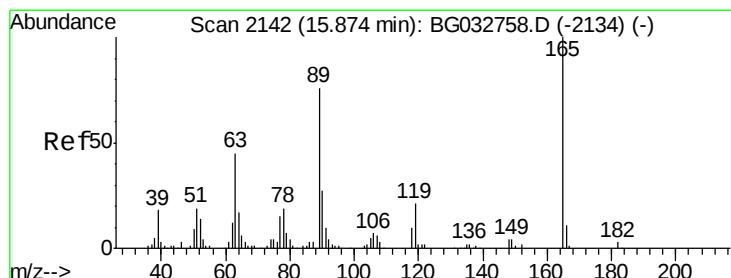
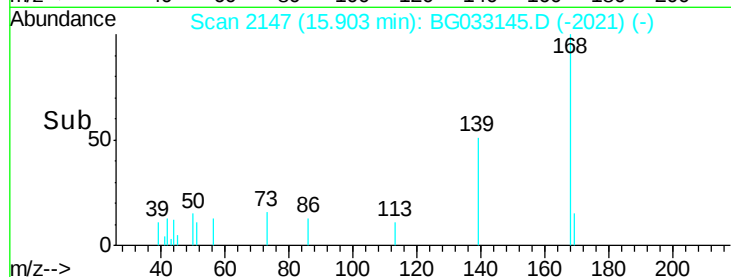
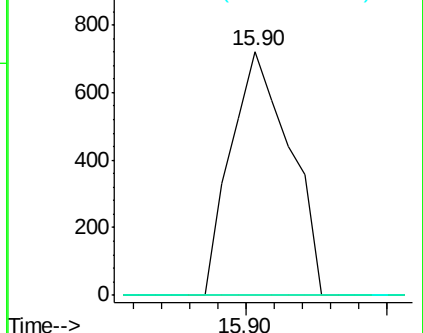
65 0.0 97.2 137.2#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E



#56

2,4-Dinitrotoluene

Concen: 14.662 ng

RT: 15.52 min Scan# 2081

Delta R.T. -0.34 min

Lab File: BG033145.D

Acq: 14 Mar 2018 13:17

Tgt Ion:165 Resp: 13390

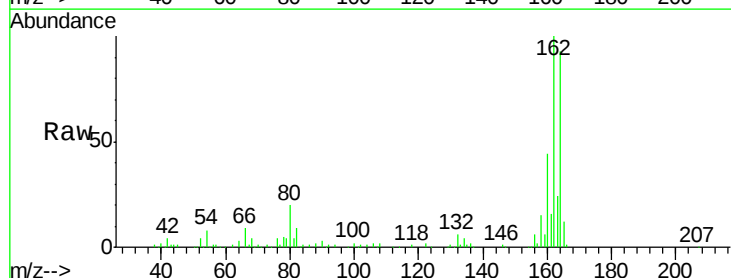
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

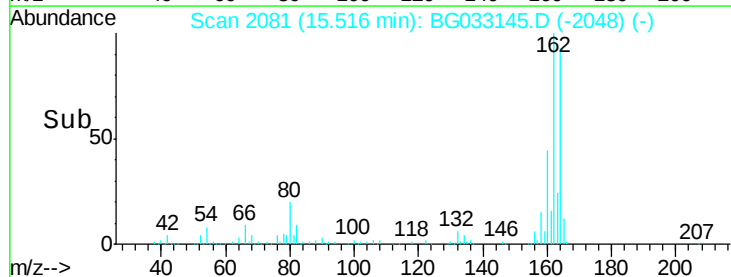
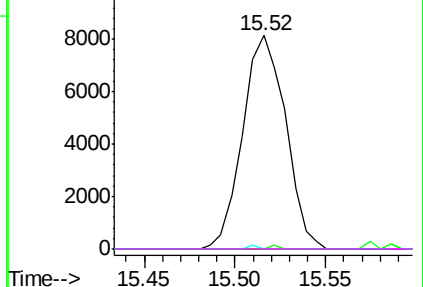


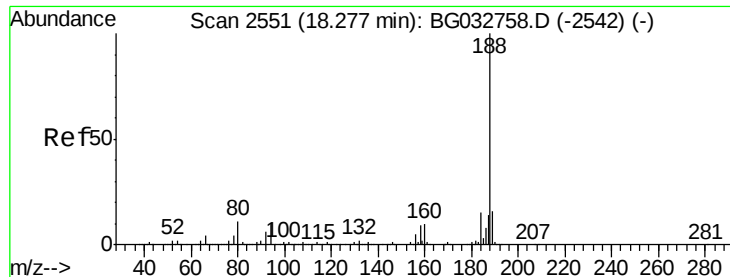
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): E

Ion 89.00 (88.70 to 89.70): E

Ion 182.00 (181.70 to 182.70): E

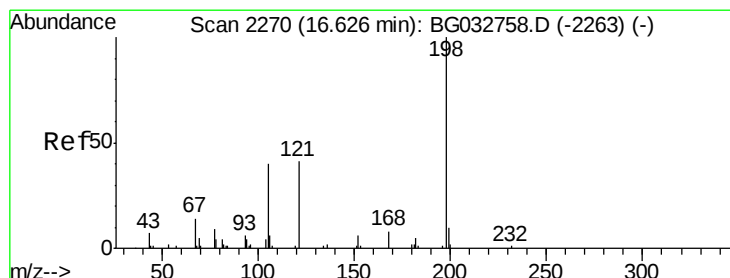
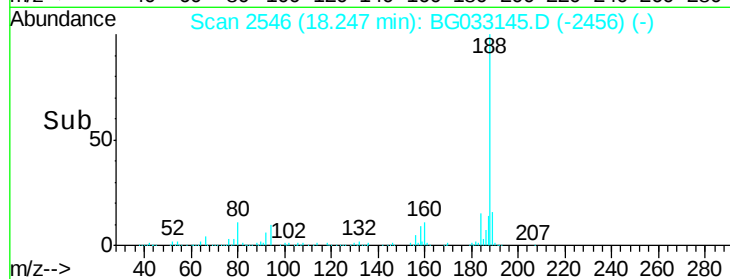
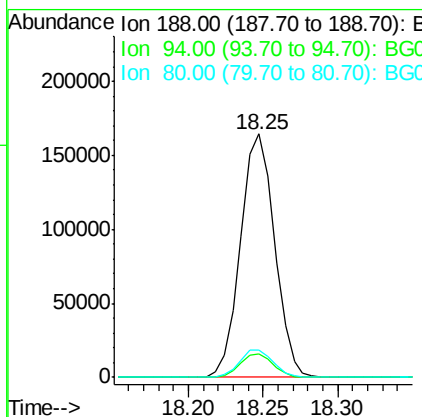
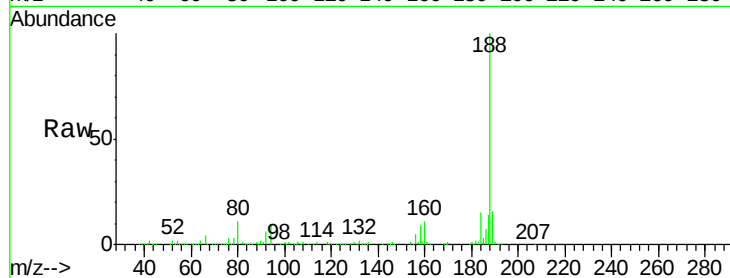




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.25 min Scan# 2546
Delta R.T. -0.00 min
Lab File: BG033145.D
Acq: 14 Mar 2018 13:17

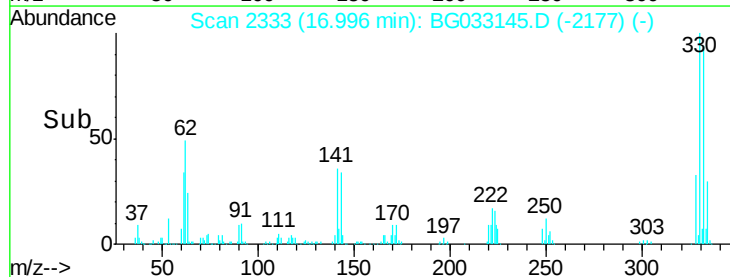
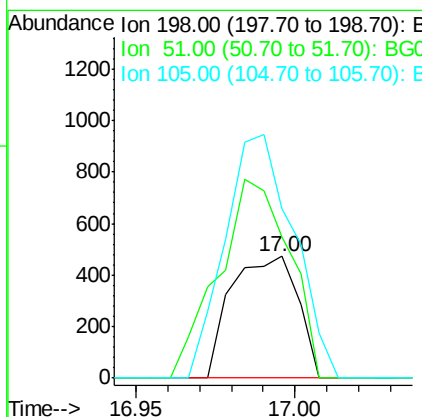
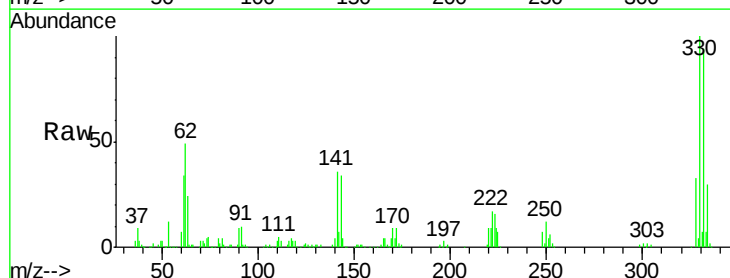
Instrument :
BNA_G
ClientSampleId :

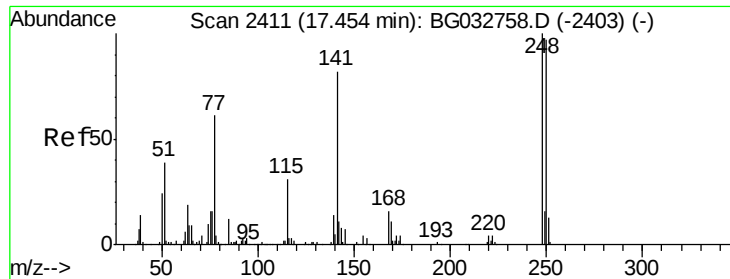
Tot Ion:188 Resp: 260173
Ion Ratio Lower Upper
188 100
94 9.7 6.9 10.3
80 11.3 7.7 11.5



#64
4,6-Dinitro-2-methylphenol
Concen: 6.068 ng
RT: 17.00 min Scan# 2333
Delta R.T. 0.39 min
Lab File: BG033145.D
Acq: 14 Mar 2018 13:17

Tgt Ion:198 Resp: 687
Ion Ratio Lower Upper
198 100
51 116.5 30.6 70.6#
105 139.6 23.8 63.8#

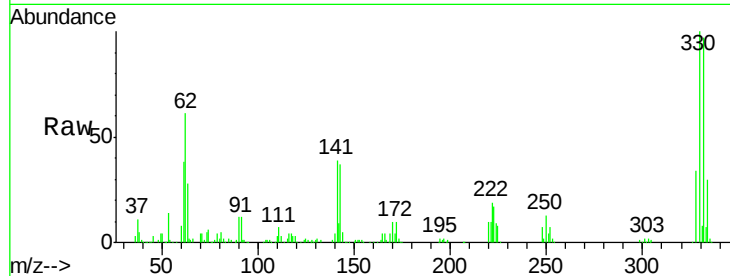




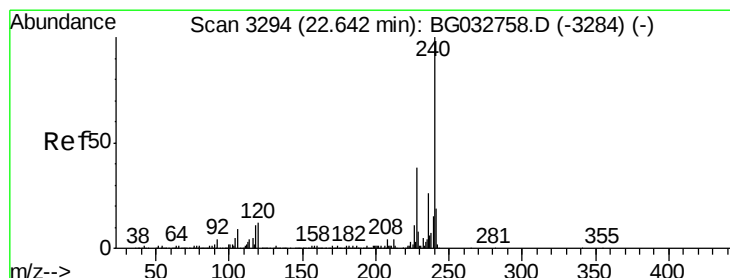
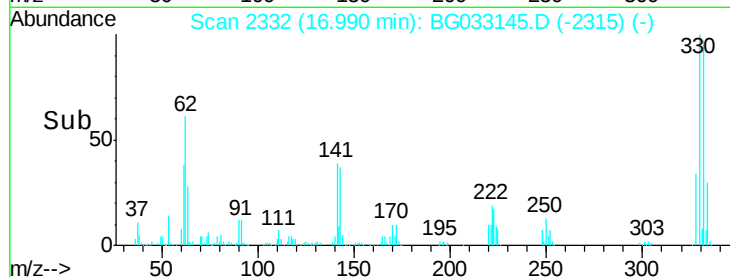
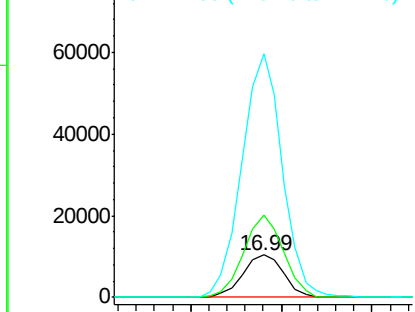
#66
 4-Bromophenyl-phenylether
 Concen: 5.958 ng
 RT: 16.99 min Scan# 2332
 Delta R.T. -0.43 min
 Lab File: BG033145.D
 Acq: 14 Mar 2018 13:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 16392
 Ion Ratio Lower Upper
 248 100
 250 196.7 77.1 115.7#
 141 578.0 50.8 76.2#

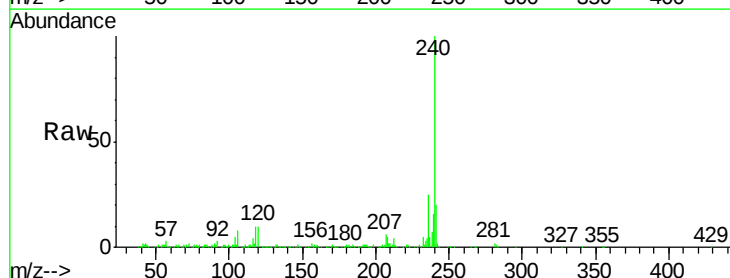


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

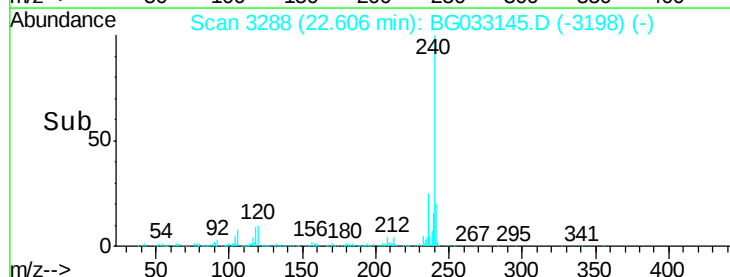
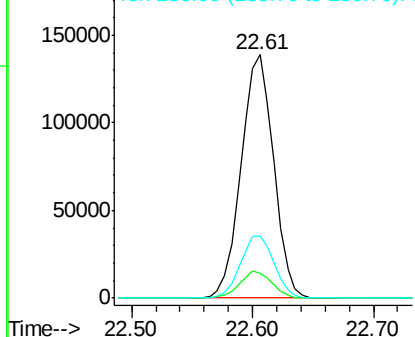


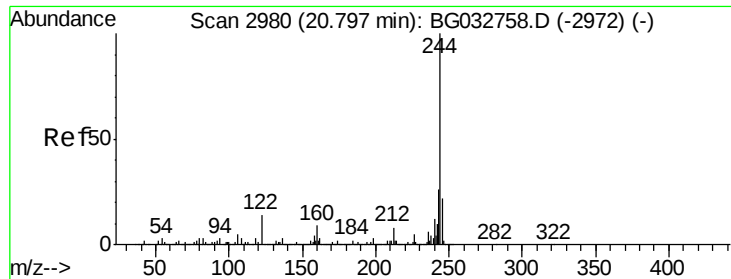
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.61 min Scan# 3288
 Delta R.T. -0.00 min
 Lab File: BG033145.D
 Acq: 14 Mar 2018 13:17

Tgt Ion:240 Resp: 260831
 Ion Ratio Lower Upper
 240 100
 120 10.1 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





#78

Terphenyl-d14

Concen: 108.548 ng

RT: 20.77 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BG033145.D

Acq: 14 Mar 2018 13:17

Instrument :

BNA_G

ClientSampleId :

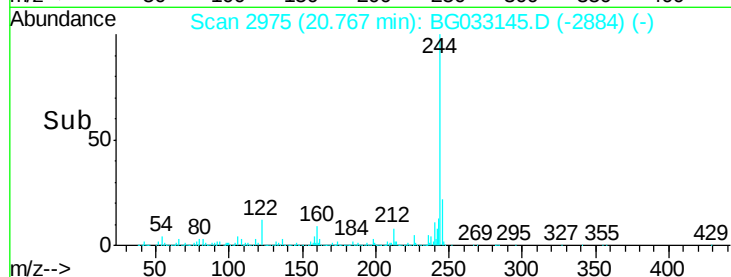
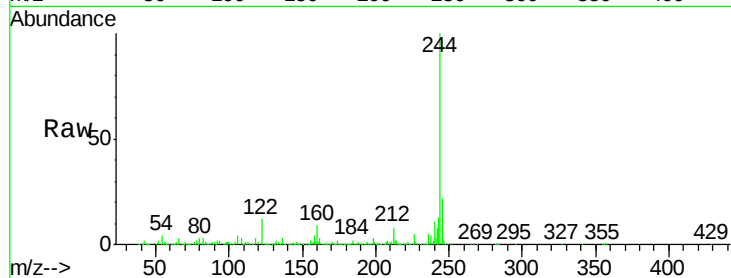
Tot Ion:244 Resp: 1260170

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

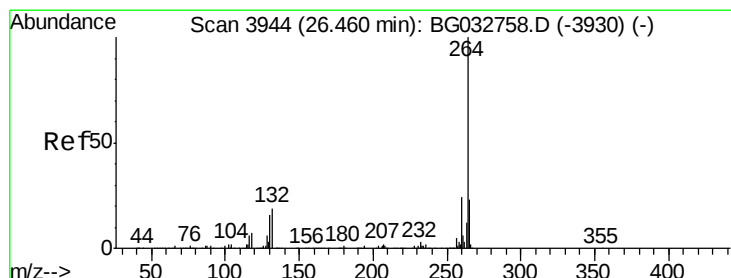
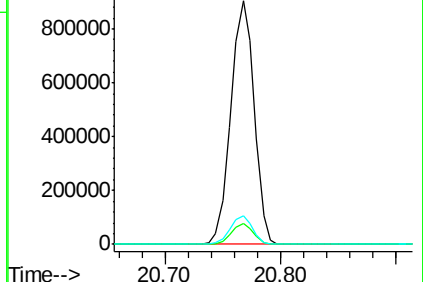
122 11.7 7.0 10.4#



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: 26.41 min Scan# 3935

Delta R.T. -0.00 min

Lab File: BG033145.D

Acq: 14 Mar 2018 13:17

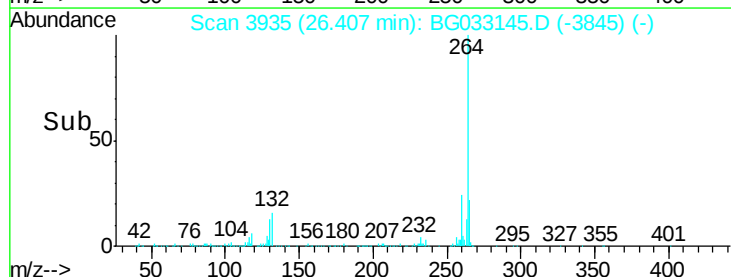
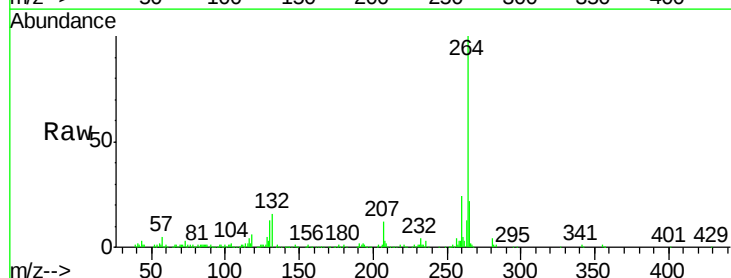
Tgt Ion:264 Resp: 267052

Ion Ratio Lower Upper

264 100

260 23.6 17.4 26.0

265 22.1 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

