

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030518\
 Data File : BG032987.D
 Acq On : 5 Mar 2018 13:26
 Operator : SJ/JU
 Sample : J1699-64
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 05 15:03:47 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 01 17:38:52 2018
 Response via : Initial Calibration

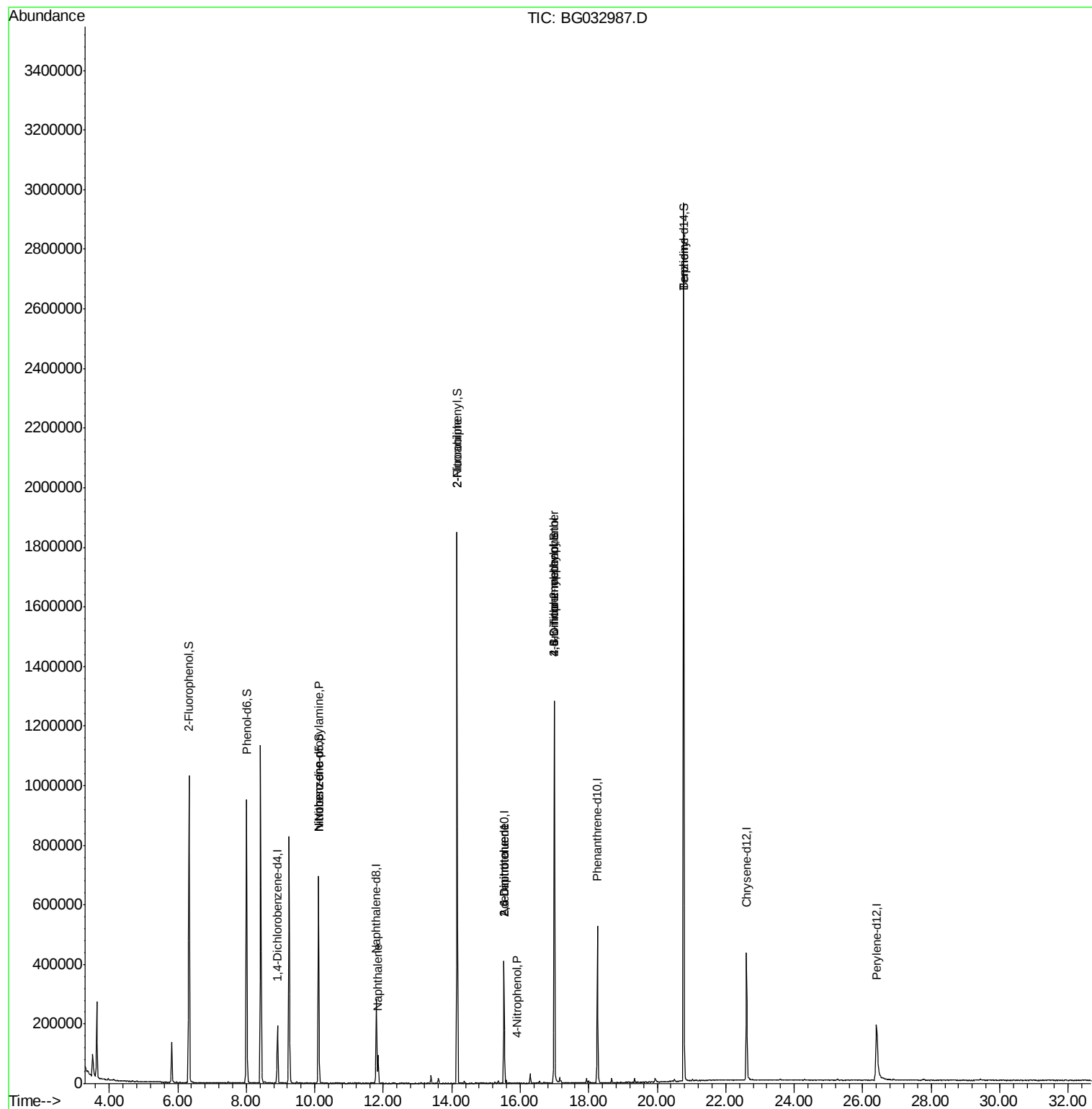
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	57576	20.00	ng	-0.01
21) Naphthalene-d8	11.80	136	255286	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	146956	20.00	ng	-0.01
63) Phenanthrene-d10	18.26	188	323639	20.00	ng	0.00
75) Chrysene-d12	22.61	240	292266	20.00	ng	-0.01
86) Perylene-d12	26.41	264	271709	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	491242	136.50	ng	0.00
7) Phenol-d6	8.01	99	587996	117.22	ng	0.00
23) Nitrobenzene-d5	10.11	82	443579	116.43	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	227503	147.23	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	953165	93.55	ng	-0.01
78) Terphenyl-d14	20.77	244	1377845	105.92	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.11	70	57970	16.369	ng	# 83
24) Nitrobenzene	10.12	77	1264	6.650	ng	# 43
31) Naphthalene	11.85	128	83701	6.275	ng	# 97
47) 2-Nitroaniline	14.16	65	1789	10.424	ng	# 1
50) 2,6-Dinitrotoluene	15.52	165	18828	16.325	ng	# 19
55) 4-Nitrophenol	15.92	139	838	7.454	ng	# 1
56) 2,4-Dinitrotoluene	15.52	165	18828	14.522	ng	# 17
64) 4,6-Dinitro-2-methylphenol	17.00	198	842	6.052	ng	# 1
66) 4-Bromophenyl-phenylether	17.00	248	16651	4.866	ng	# 1
76) Benzidine	20.77	184	24039	2.413	ng	# 93

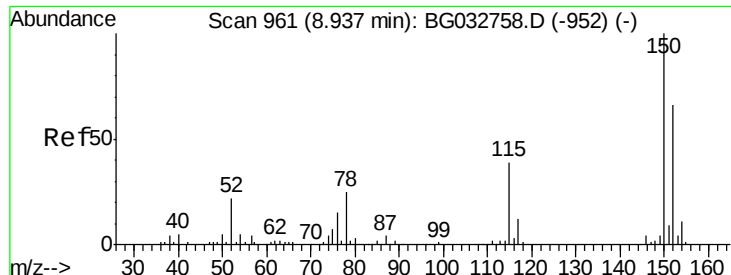
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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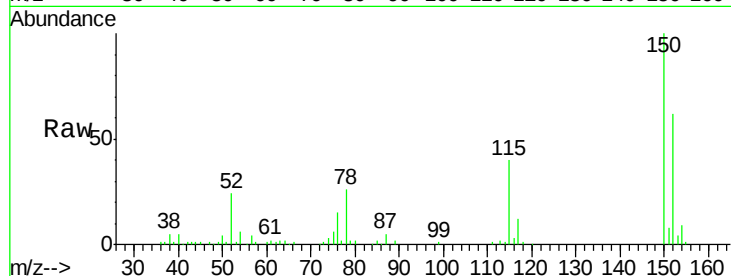


#1

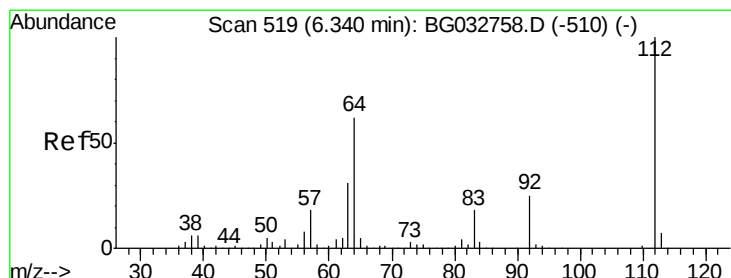
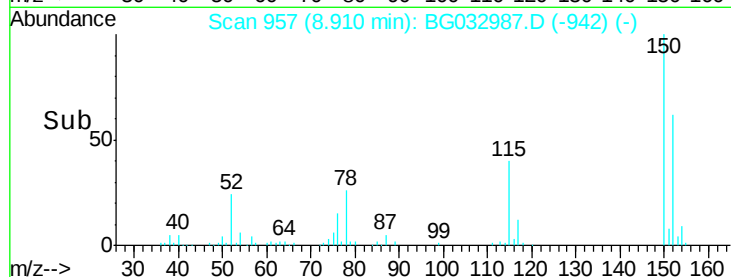
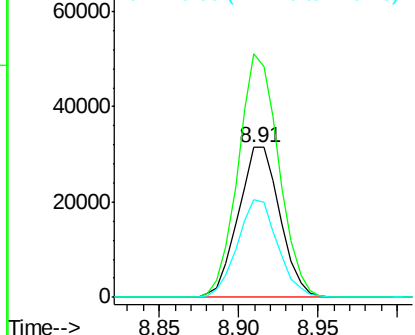
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.01 min
Lab File: BG032987.D
Acq: 5 Mar 2018 13:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 57576
Ion Ratio Lower Upper
152 100
150 162.3 126.6 189.8
115 64.9 53.0 79.4



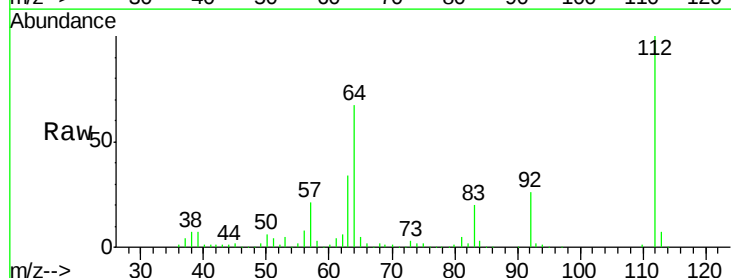
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



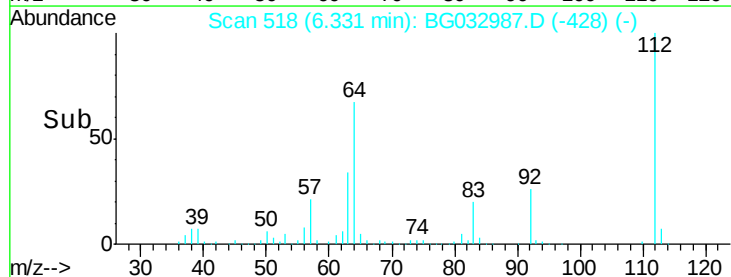
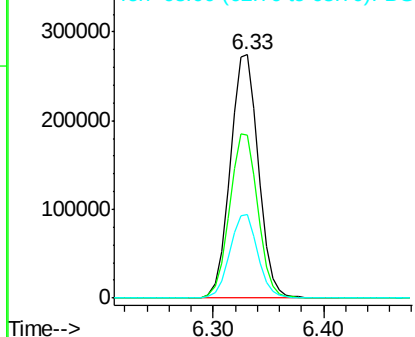
#5

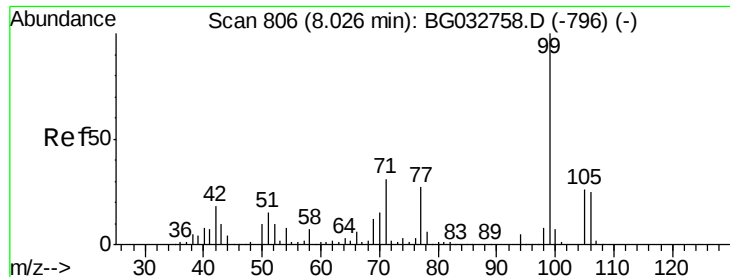
2-Fluorophenol
Concen: 136.501 ng
RT: 6.33 min Scan# 518
Delta R.T. 0.00 min
Lab File: BG032987.D
Acq: 5 Mar 2018 13:26

Tgt Ion:112 Resp: 491242
Ion Ratio Lower Upper
112 100
64 66.7 56.3 84.5
63 34.3 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: 117.218 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.01 min

Lab File: BG032987.D

Acq: 5 Mar 2018 13:26

Instrument :

BNA_G

ClientSampleId :

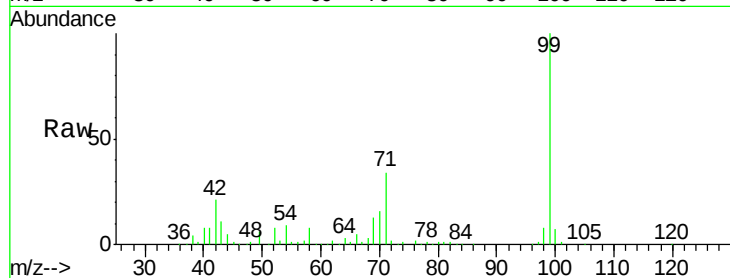
Tot Ion: 99 Resp: 587996

Ion Ratio Lower Upper

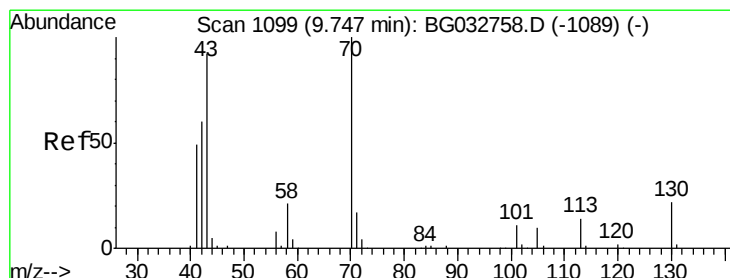
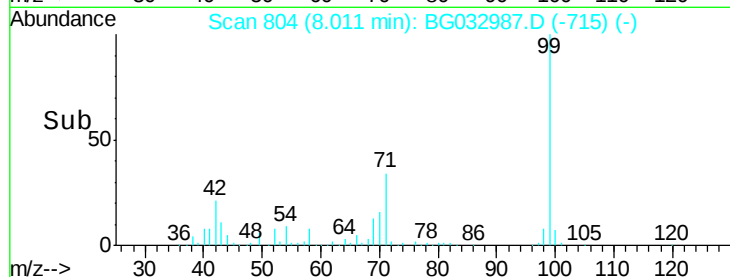
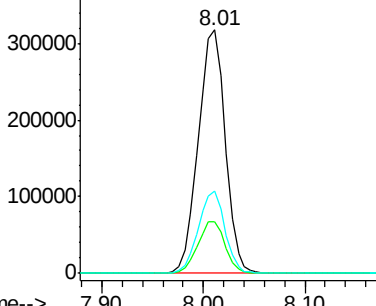
99 100

42 21.1 14.1 21.1

71 33.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.369 ng

RT: 10.11 min Scan# 1162

Delta R.T. 0.38 min

Lab File: BG032987.D

Acq: 5 Mar 2018 13:26

Tgt Ion: 70 Resp: 57970

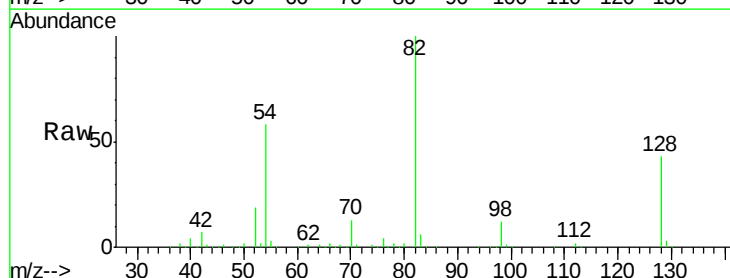
Ion Ratio Lower Upper

70 100

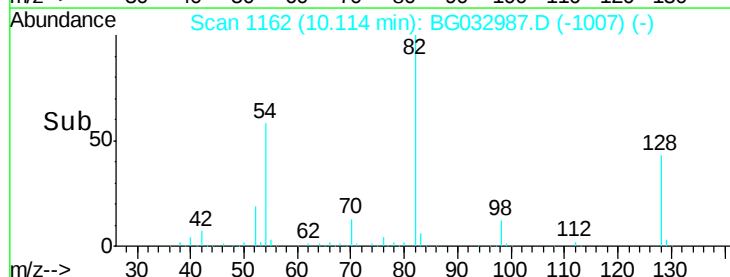
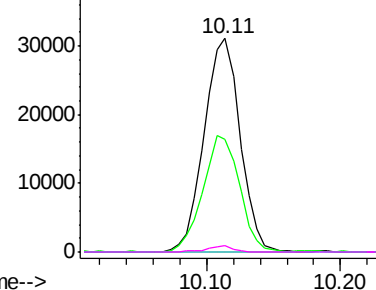
42 52.9 49.1 73.7

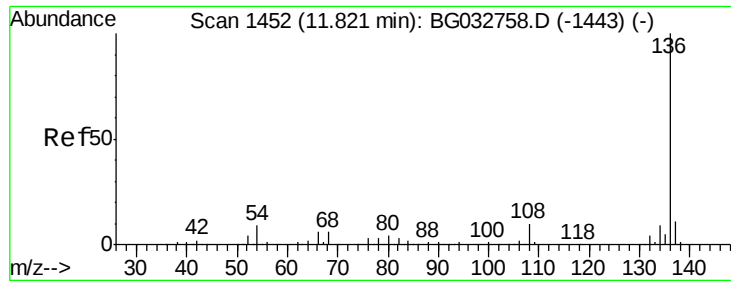
101 0.0 8.5 12.7#

130 2.8 13.4 20.0#



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

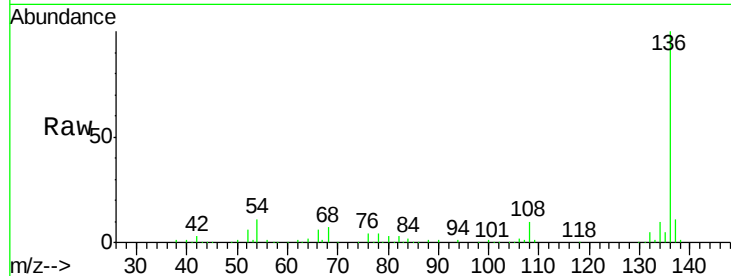




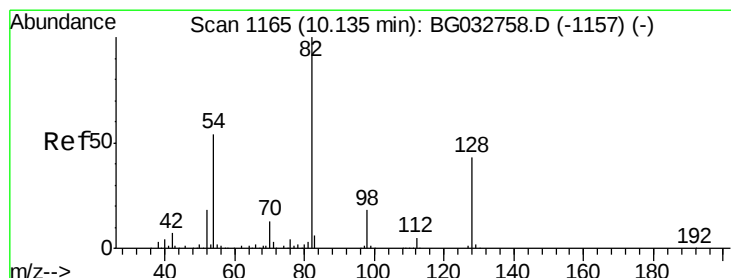
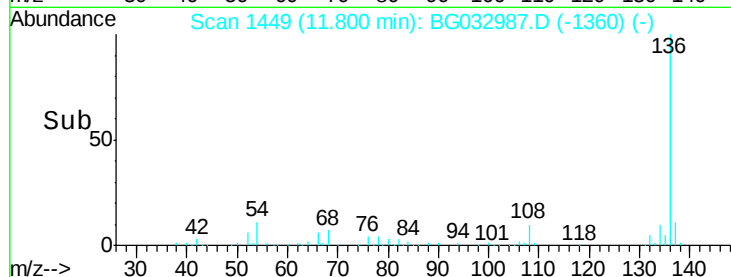
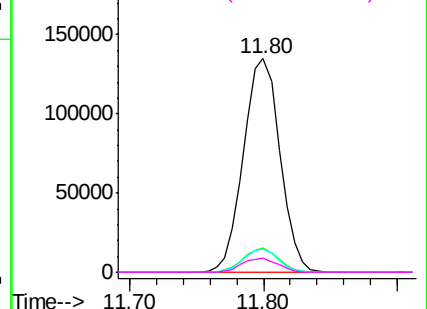
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.80 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BG032987.D
Acq: 5 Mar 2018 13:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	255286	
Ion Ratio	Lower	Upper	
136 100			
137 11.3	9.2	13.8	
54 10.7	10.3	15.5	
68 6.7	4.5	6.7	

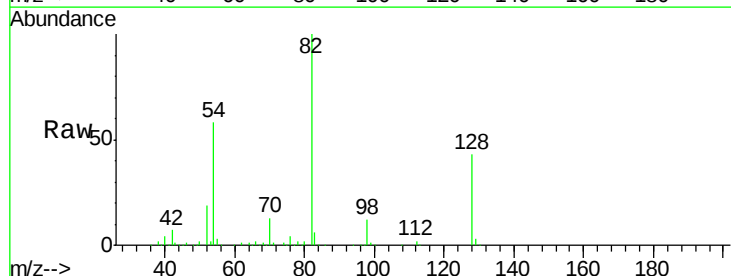


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

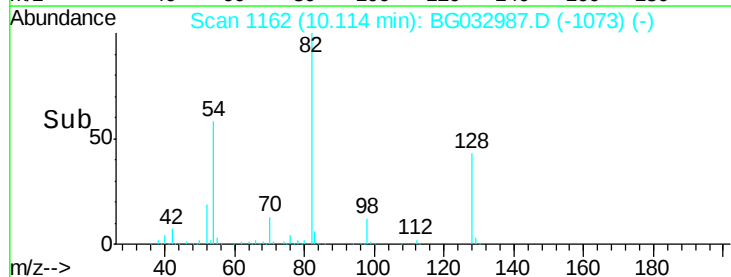
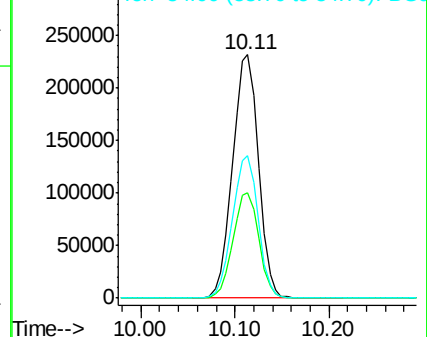


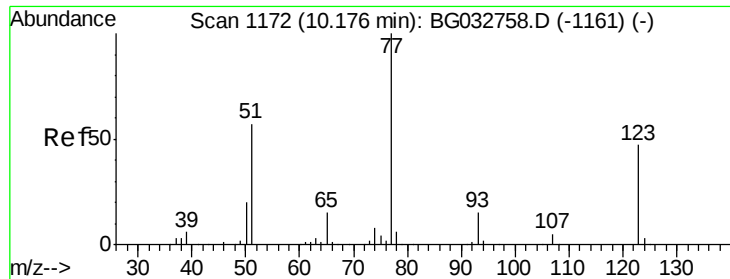
#23
Nitrobenzene-d5
Concen: 116.430 ng
RT: 10.11 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BG032987.D
Acq: 5 Mar 2018 13:26

Tgt	Ion: 82	Resp:	443579
Ion	Ratio	Lower	Upper
82	100		
128	43.1	29.7	44.5
54	58.3	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





#24

Nitrobenzene

Concen: 6.650 ng

RT: 10.12 min Scan# 1163

Delta R.T. -0.05 min

Lab File: BG032987.D

Acq: 5 Mar 2018 13:26

Instrument :

BNA_G

ClientSampleId :

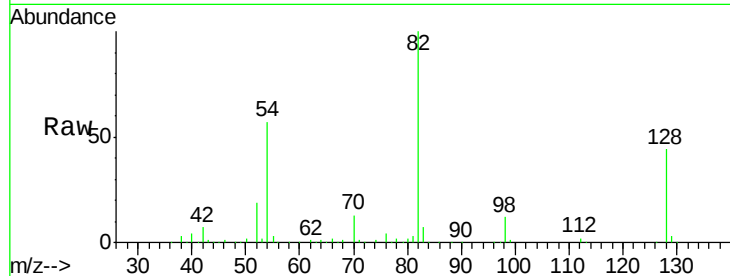
Tot Ion: 77 Resp: 1264

Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

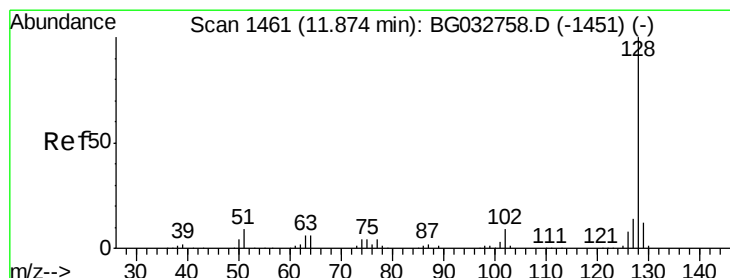
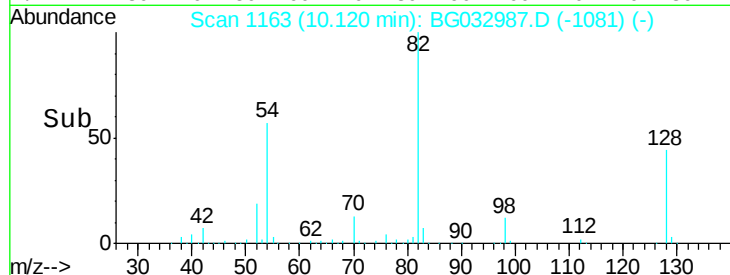
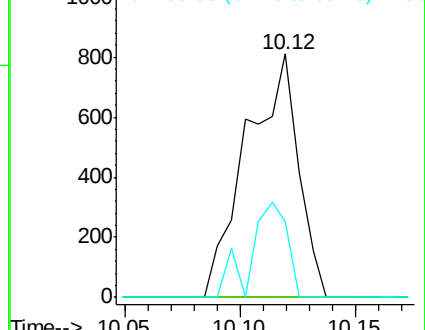
65 30.9 13.0 19.6#



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



#31

Naphthalene

Concen: 6.275 ng

RT: 11.85 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BG032987.D

Acq: 5 Mar 2018 13:26

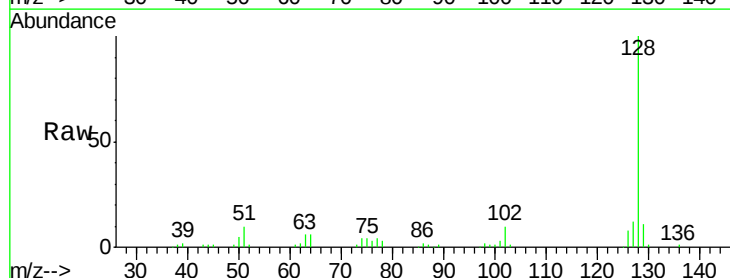
Tgt Ion: 128 Resp: 83701

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

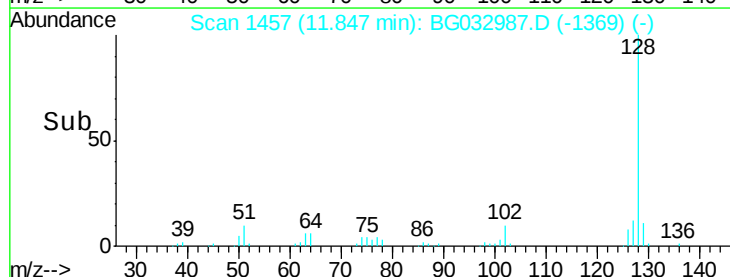
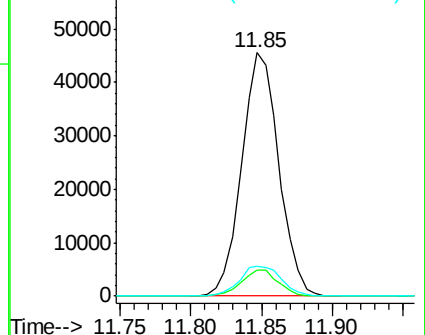
127 12.5 11.6 17.4

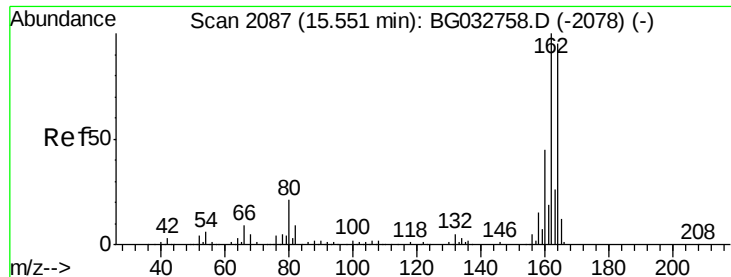


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BG032987.D

Acq: 5 Mar 2018 13:26

Instrument :

BNA_G

ClientSampleId :

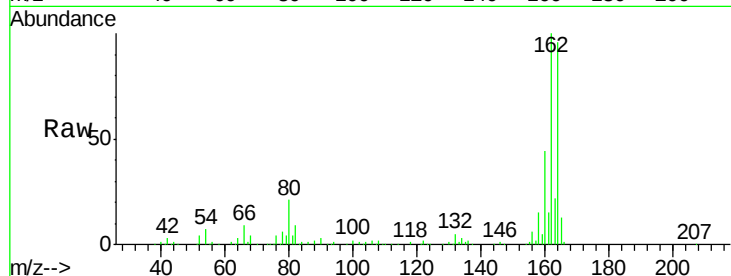
Tot Ion:164 Resp: 146956

Ion Ratio Lower Upper

164 100

162 104.1 78.8 118.2

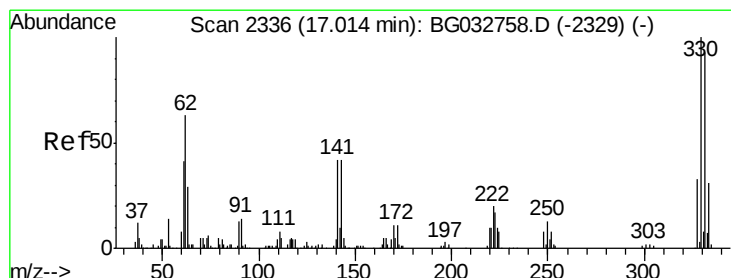
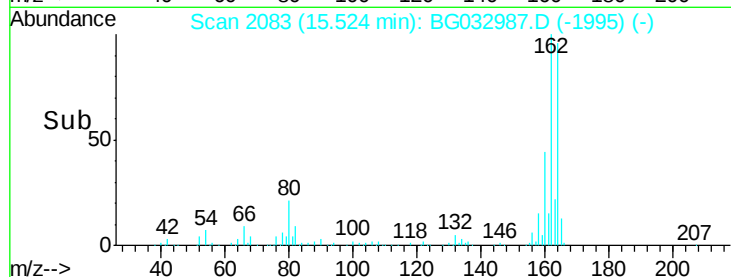
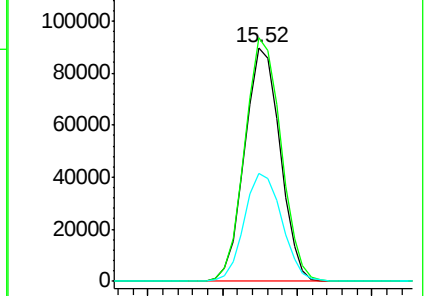
160 46.2 35.4 53.0



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: 147.233 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.01 min

Lab File: BG032987.D

Acq: 5 Mar 2018 13:26

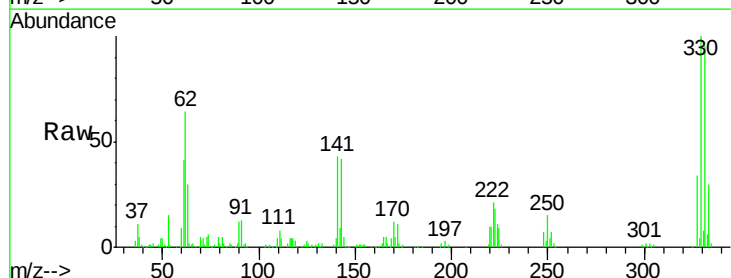
Tgt Ion:330 Resp: 227503

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

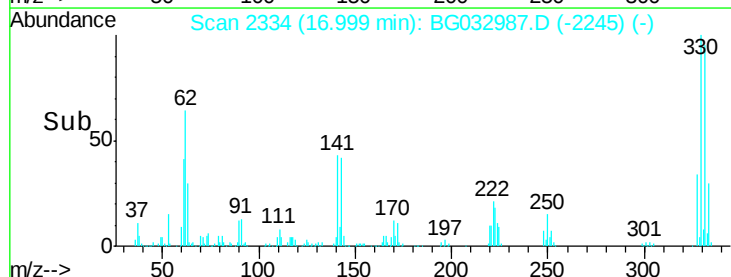
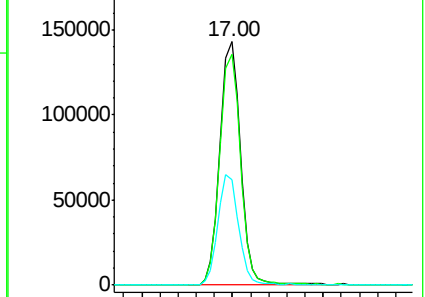
141 45.0 25.2 37.8#

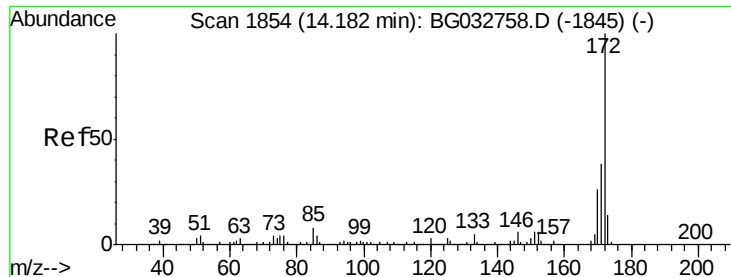


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

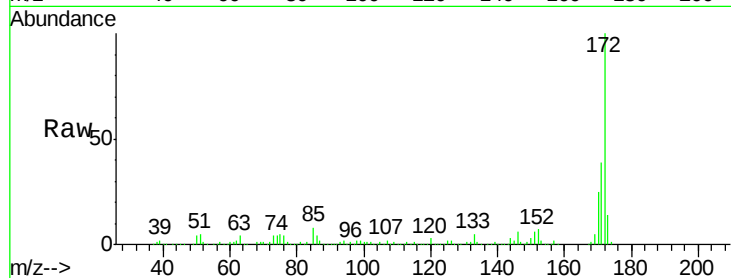




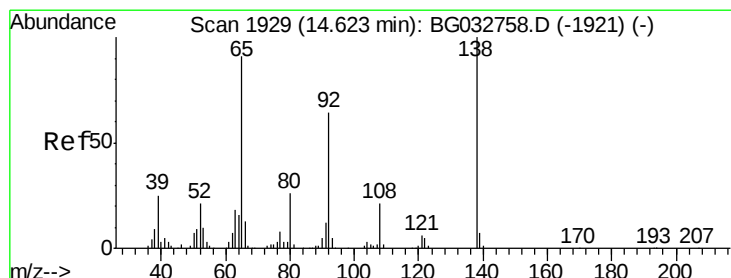
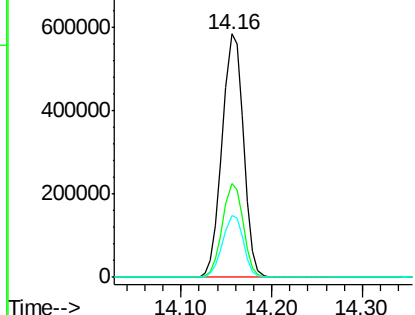
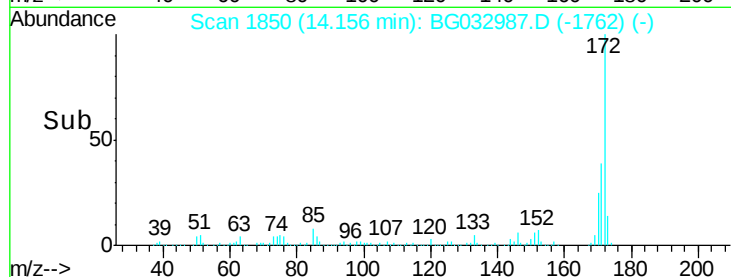
#44
 2-Fluorobiphenyl
 Concen: 93.545 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BG032987.D
 Acq: 5 Mar 2018 13:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.7	30.0	45.0
170	25.2	19.5	29.3

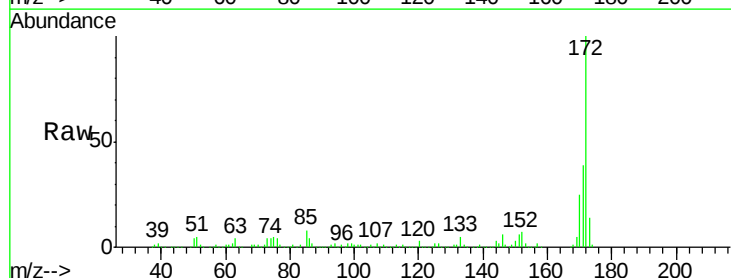


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

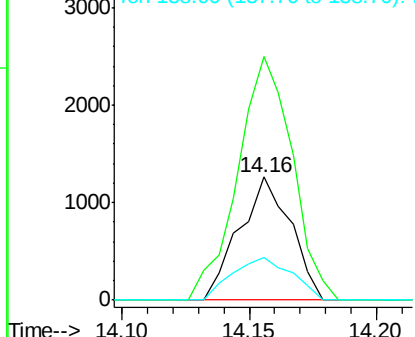
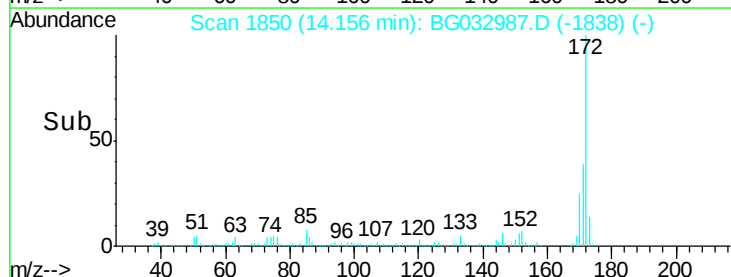


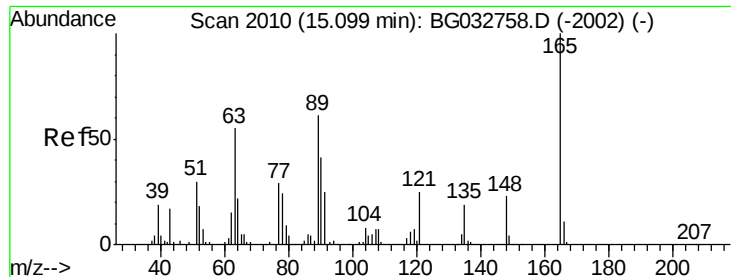
#47
 2-Nitroaniline
 Concen: 10.424 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. -0.46 min
 Lab File: BG032987.D
 Acq: 5 Mar 2018 13:26

Tgt Ion	Ratio	Lower	Upper
65	100		
92	197.8	54.6	82.0#
138	35.2	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

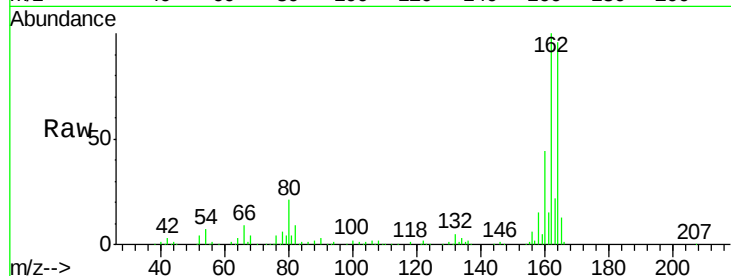




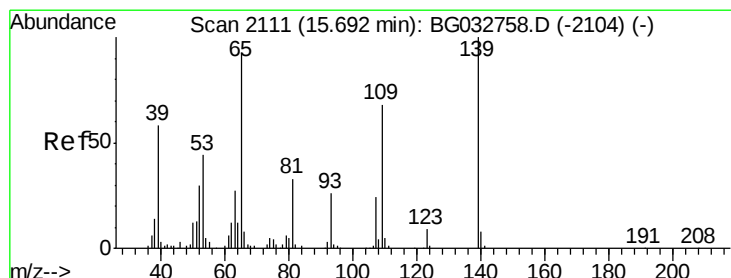
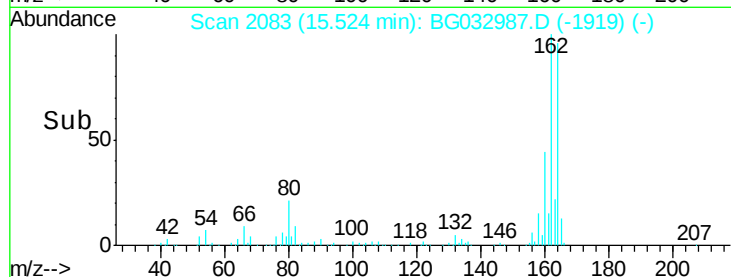
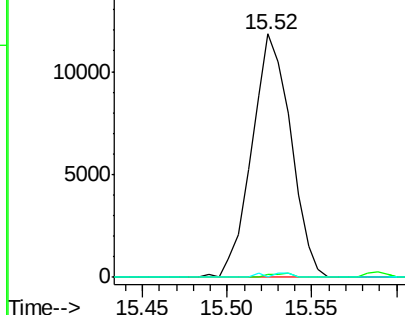
#50
2,6-Dinitrotoluene
Concen: 16.325 ng
RT: 15.52 min Scan# 2083
Delta R.T. 0.44 min
Lab File: BG032987.D
Acq: 5 Mar 2018 13:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 18828
Ion Ratio Lower Upper
165 100
63 1.4 52.7 79.1#
89 0.0 49.2 73.8#

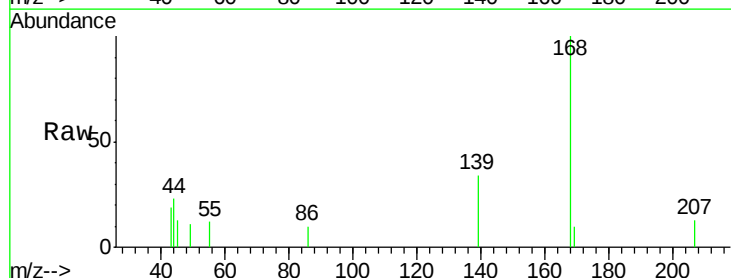


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

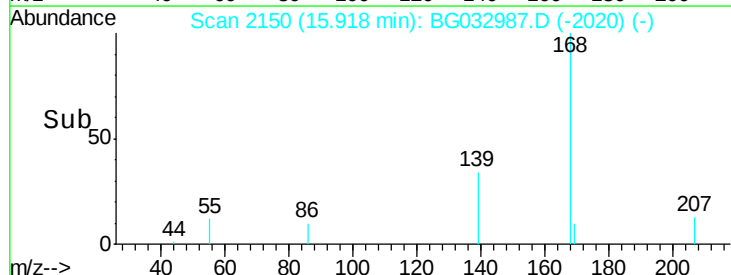
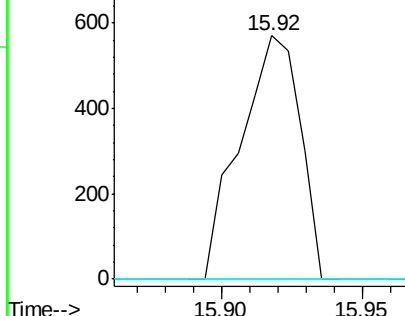


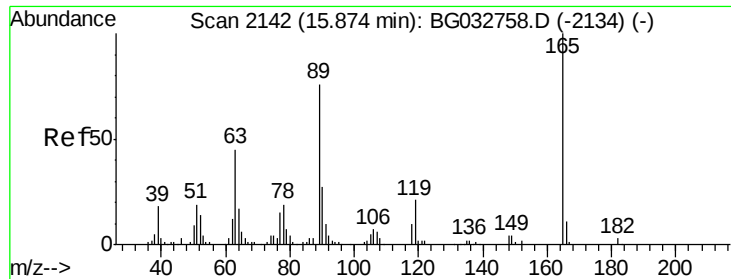
#55
4-Nitrophenol
Concen: 7.454 ng
RT: 15.92 min Scan# 2150
Delta R.T. 0.24 min
Lab File: BG032987.D
Acq: 5 Mar 2018 13:26

Tgt Ion:139 Resp: 838
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): BGC

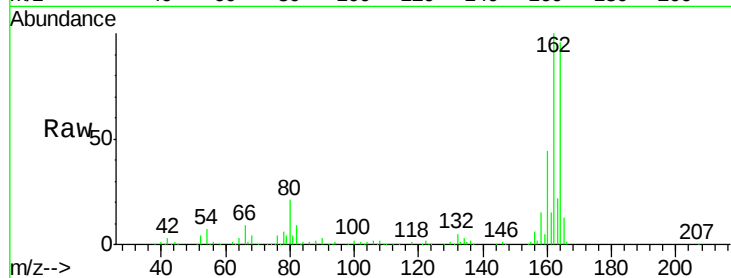




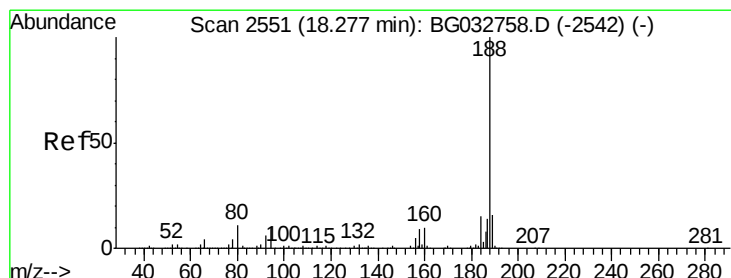
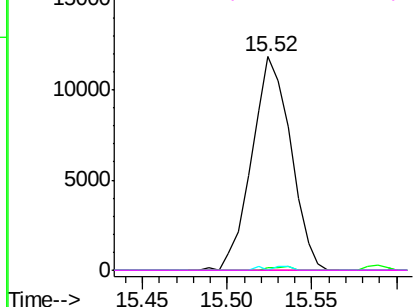
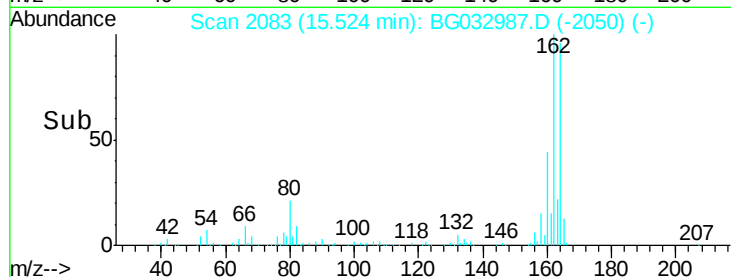
#56
 2,4-Dinitrotoluene
 Concen: 14.522 ng
 RT: 15.52 min Scan# 2083
 Delta R.T. -0.33 min
 Lab File: BG032987.D
 Acq: 5 Mar 2018 13:26

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 18828
 Ion Ratio Lower Upper
 165 100
 63 1.4 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#

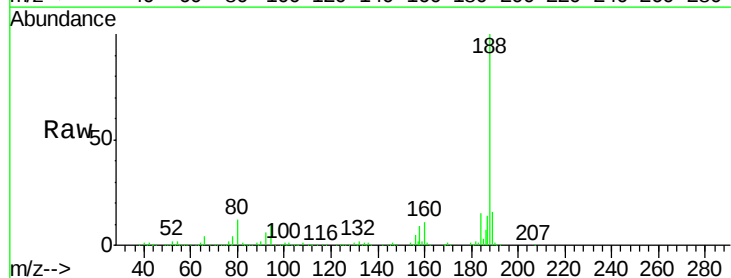


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

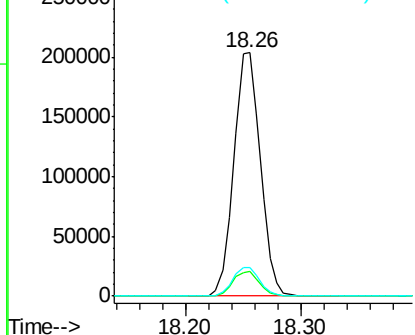
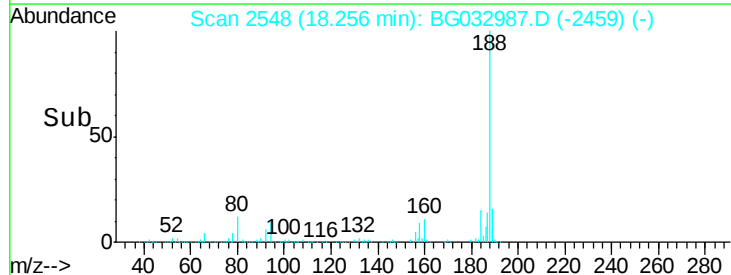


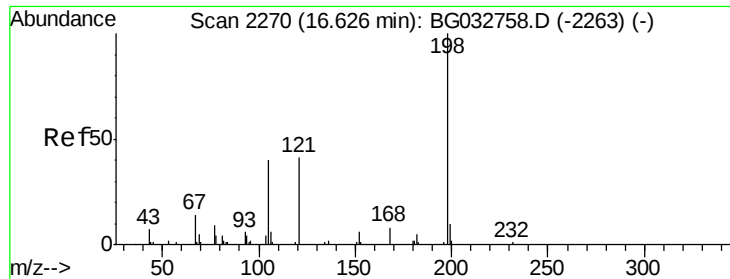
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.26 min Scan# 2548
 Delta R.T. -0.01 min
 Lab File: BG032987.D
 Acq: 5 Mar 2018 13:26

Tgt Ion:188 Resp: 323639
 Ion Ratio Lower Upper
 188 100
 94 10.2 6.9 10.3
 80 11.5 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

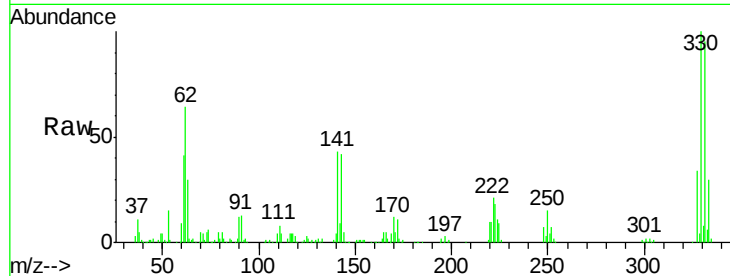




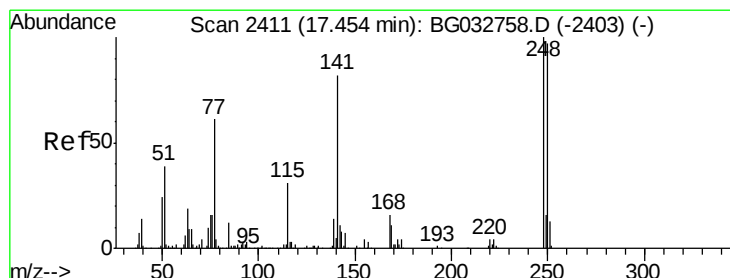
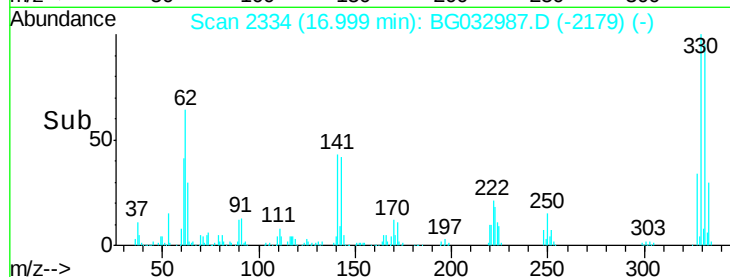
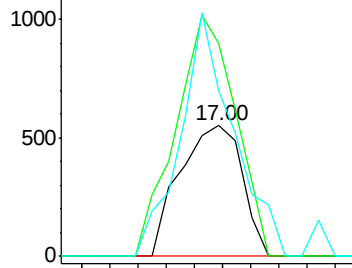
#64
4,6-Dinitro-2-methylphenol
Concen: 6.052 ng
RT: 17.00 min Scan# 2334
Delta R.T. 0.38 min
Lab File: BG032987.D
Acq: 5 Mar 2018 13:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:198 Resp: 842
Ion Ratio Lower Upper
198 100
51 163.2 30.6 70.6#
105 126.5 23.8 63.8#

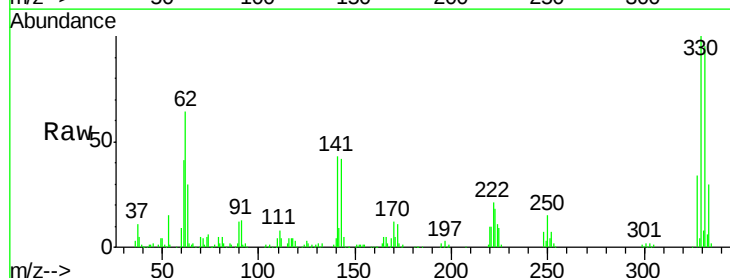


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E

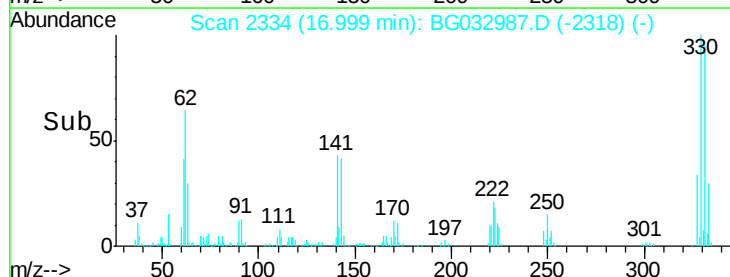
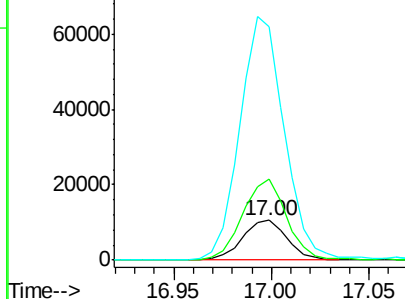


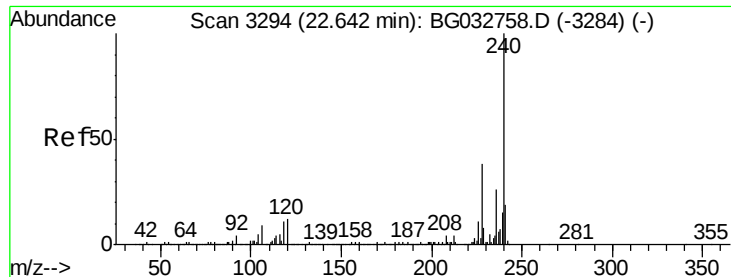
#66
4-Bromophenyl-phenylether
Concen: 4.866 ng
RT: 17.00 min Scan# 2334
Delta R.T. -0.43 min
Lab File: BG032987.D
Acq: 5 Mar 2018 13:26

Tgt Ion:248 Resp: 16651
Ion Ratio Lower Upper
248 100
250 202.6 77.1 115.7#
141 583.1 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

Chrvsene-d12

Concen: 20.000 ng

RT: 22.61 min Scan# 3289

Delta R.T. -0.01 min

Lab File: BG032987.D

Acq: 5 Mar 2018 13:26

Instrument :

BNA_G

ClientSampleId :

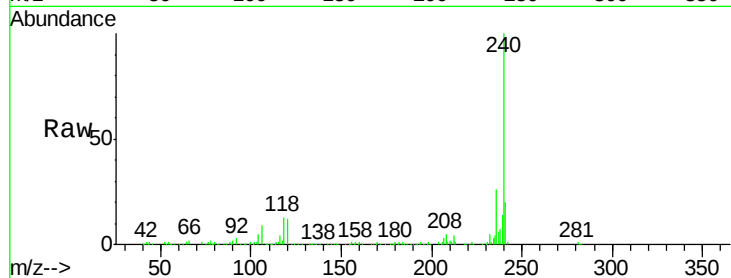
Tot Ion:240 Resp: 292266

Ion Ratio Lower Upper

240 100

120 12.4 6.8 10.2#

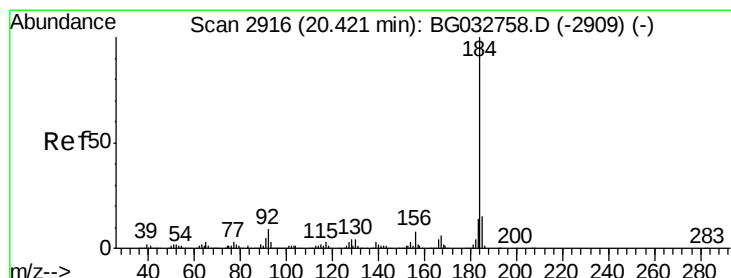
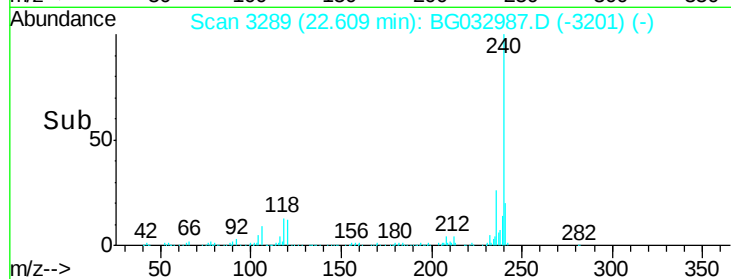
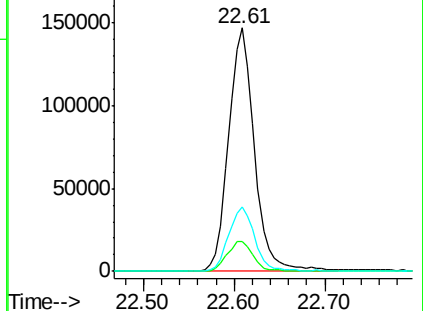
236 26.3 20.9 31.3



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: 2.413 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.36 min

Lab File: BG032987.D

Acq: 5 Mar 2018 13:26

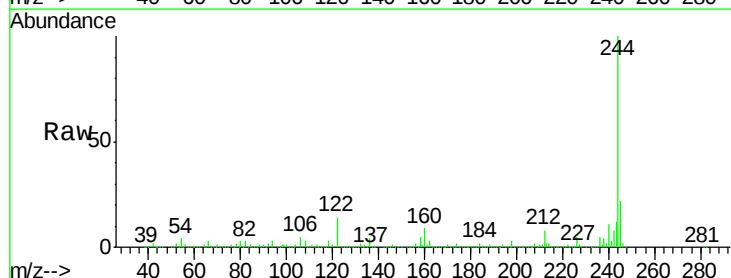
Tgt Ion:184 Resp: 24039

Ion Ratio Lower Upper

184 100

185 16.0 11.1 16.7

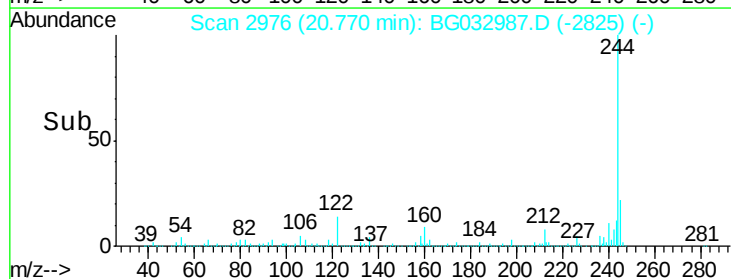
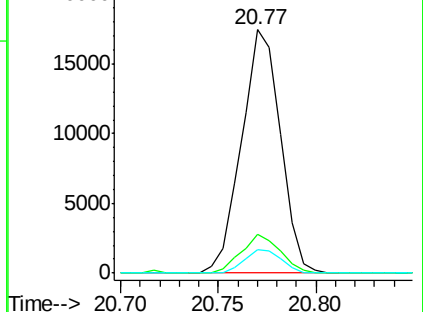
183 9.8 10.6 16.0#

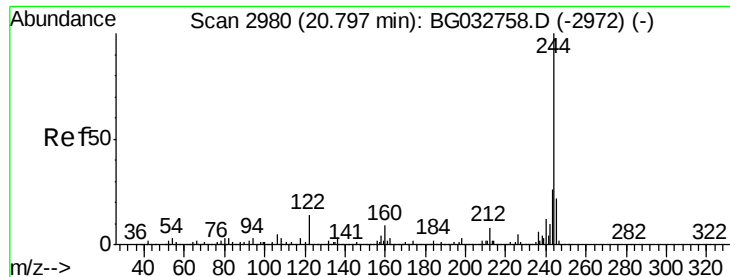


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 105.919 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.01 min

Lab File: BG032987.D

Acq: 5 Mar 2018 13:26

Instrument :

BNA_G

ClientSampleId :

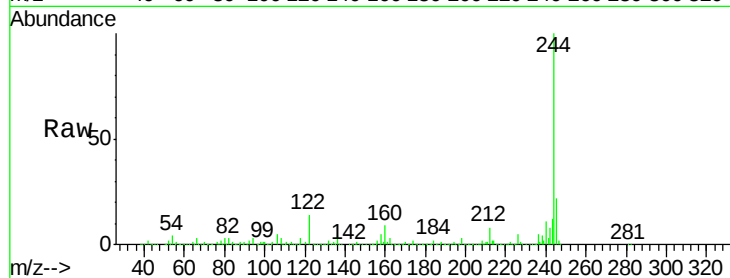
Tot Ion:244 Resp: 1377845

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

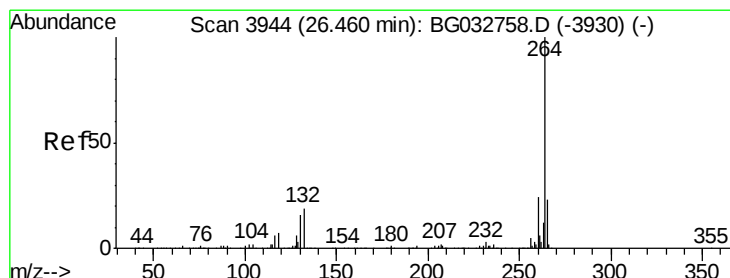
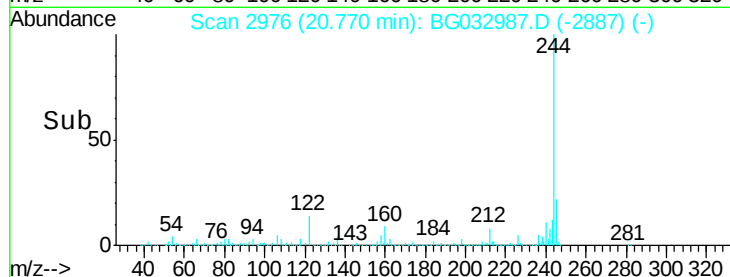
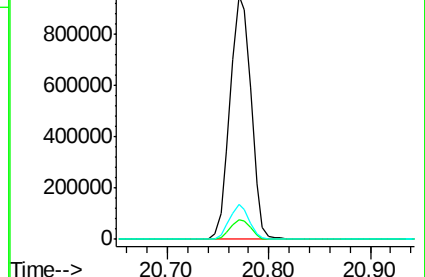
122 14.1 7.0 10.4#



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: 26.41 min Scan# 3936

Delta R.T. -0.02 min

Lab File: BG032987.D

Acq: 5 Mar 2018 13:26

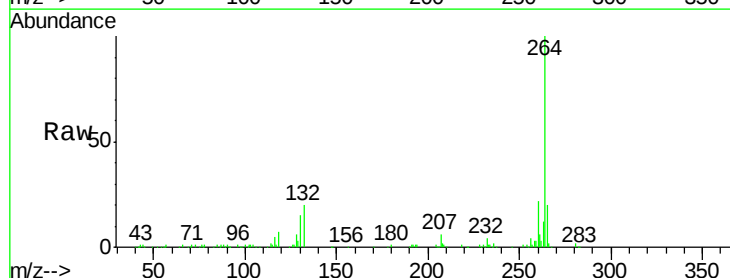
Tgt Ion:264 Resp: 271709

Ion Ratio Lower Upper

264 100

260 21.8 17.4 26.0

265 19.8 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

