

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021418\
 Data File : BG032689.D
 Acq On : 14 Feb 2018 20:08
 Operator : SJ/JU
 Sample : J1545-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 15 02:54:13 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 12 18:08:01 2018
 Response via : Initial Calibration

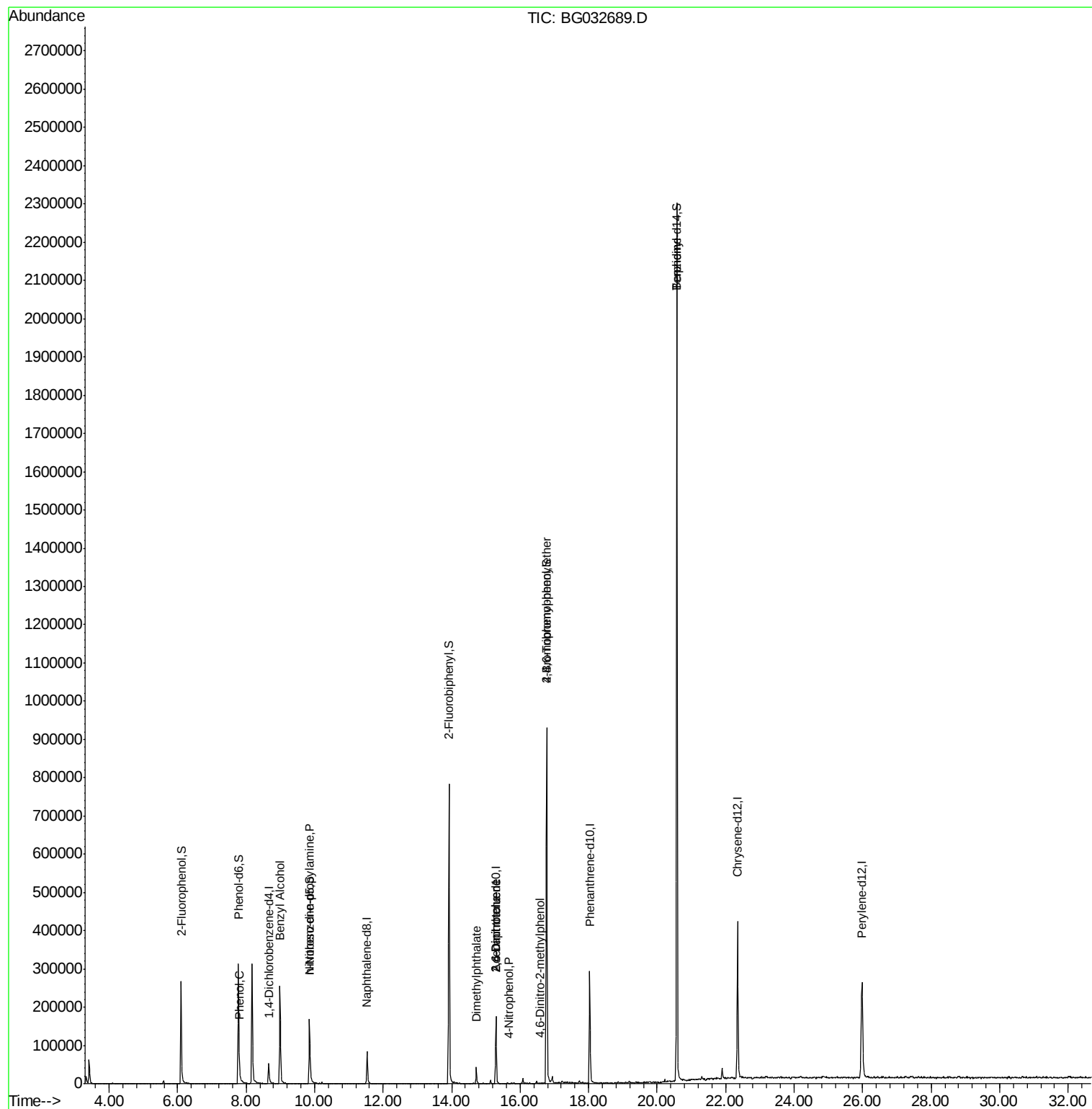
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.65	152	21033	20.00	ng	-0.02
21) Naphthalene-d8	11.53	136	92086	20.00	ng	-0.02
38) Acenaphthene-d10	15.29	164	67849	20.00	ng	-0.02
63) Phenanthrene-d10	18.03	188	223793	20.00	ng	-0.02
75) Chrysene-d12	22.35	240	328337	20.00	ng	-0.02
86) Perylene-d12	25.98	264	343541	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	6.10	112	146173	139.44	ng	-0.01
7) Phenol-d6	7.77	99	198106	138.20	ng	-0.02
23) Nitrobenzene-d5	9.85	82	113417	78.28	ng	-0.03
41) 2,4,6-Tribromophenol	16.77	330	223903	214.32	ng	-0.02
44) 2-Fluorobiphenyl	13.92	172	490374	90.38	ng	-0.02
78) Terphenyl-d14	20.58	244	1291286	89.64	ng	0.00
Target Compounds						
10) Phenol	7.81	94	4955	3.55	ng	# 58
15) Benzyl Alcohol	9.00	79	2231	2.08	ng	# 56
19) n-Nitroso-di-n-propylamine	9.85	70	17617	18.28	ng	# 72
49) Dimethylphthalate	14.72	163	34330	5.85	ng	# 97
50) 2,6-Dinitrotoluene	15.29	165	9215	7.63	ng	# 18
55) 4-Nitrophenol	15.67	139	64	5.56	ng	# 1
56) 2,4-Dinitrotoluene	15.29	165	9215	5.54	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.57	198	65	5.06	ng	# 29
66) 4-Bromophenyl-phenylether	16.77	248	18741	5.85	ng	# 1
76) Benzidine	20.57	184	19761	2.56	ng	# 90

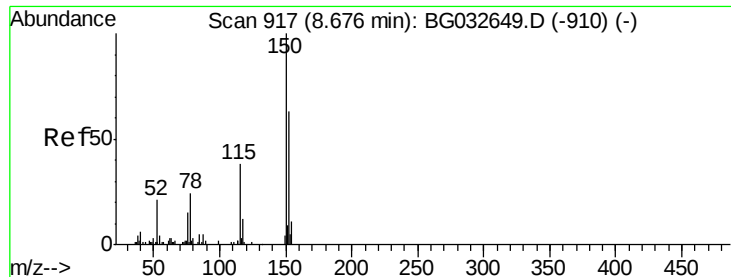
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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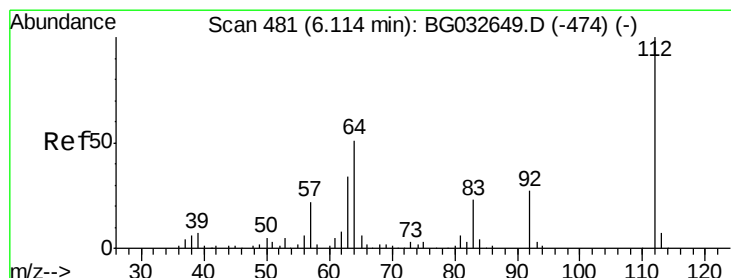
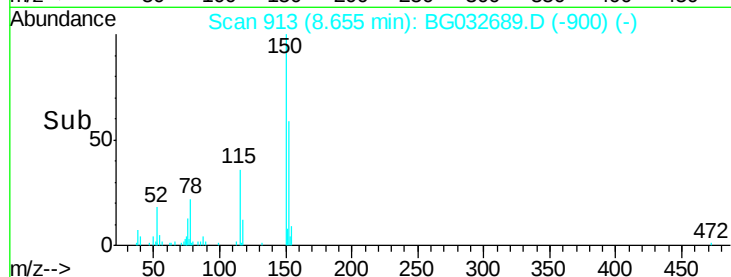
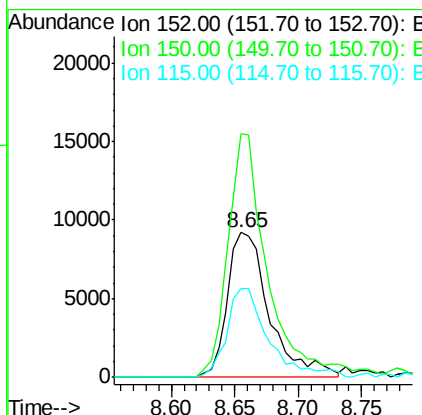
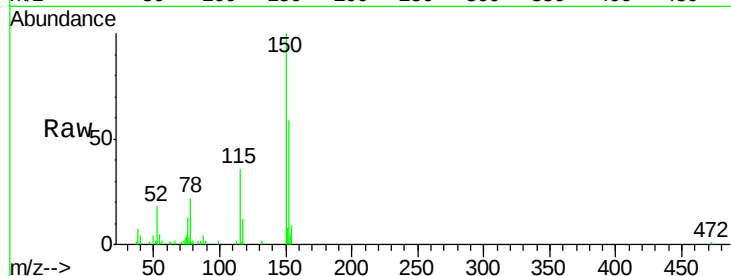


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.65 min Scan# 913
Delta R.T. -0.02 min
Lab File: BG032689.D
Acq: 14 Feb 2018 20:08

Instrument :
BNA_G
ClientSampled :

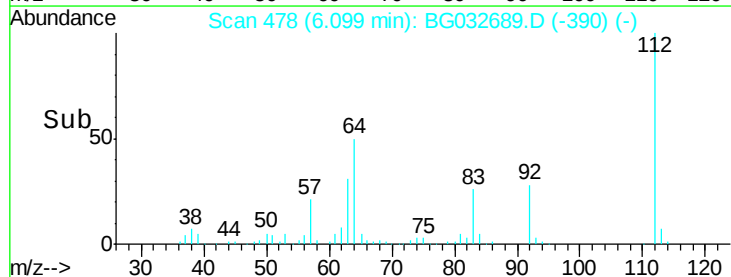
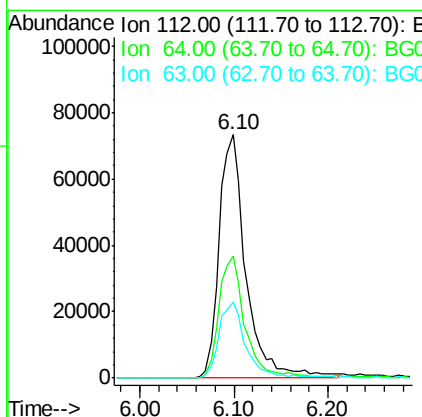
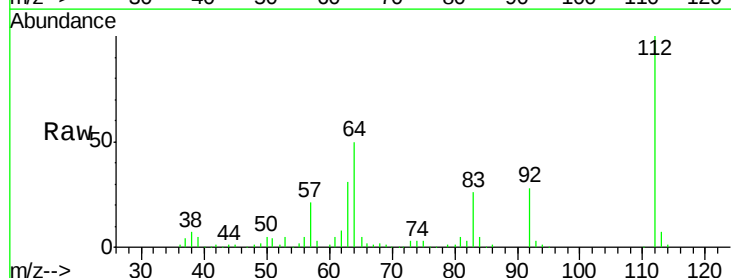
Tot Ion:152 Resp: 21033
Ion Ratio Lower Upper
152 100
150 168.2 126.6 189.8
115 60.9 53.0 79.4

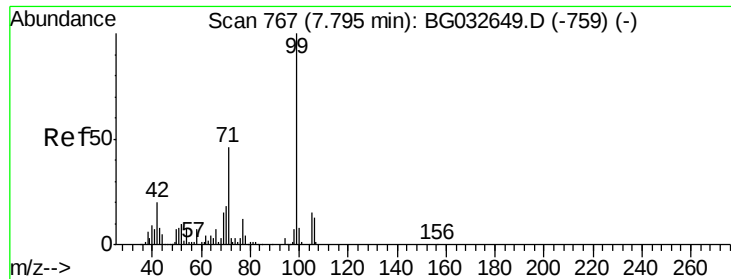


#5

2-Fluorophenol
Concen: 139.44 ng
RT: 6.10 min Scan# 478
Delta R.T. -0.01 min
Lab File: BG032689.D
Acq: 14 Feb 2018 20:08

Tgt Ion:112 Resp: 146173
Ion Ratio Lower Upper
112 100
64 50.1 56.3 84.5#
63 31.4 30.1 45.1





#7

Phenol-d6

Concen: 138.20 ng

RT: 7.77 min Scan# 763

Delta R.T. -0.02 min

Lab File: BG032689.D

Acq: 14 Feb 2018 20:08

Instrument :

BNA_G

ClientSampleId :

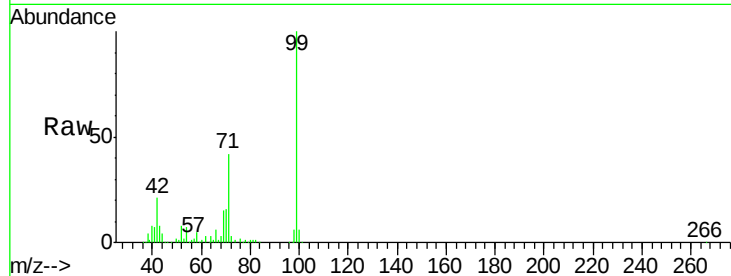
Tot Ion: 99 Resp: 198106

Ion Ratio Lower Upper

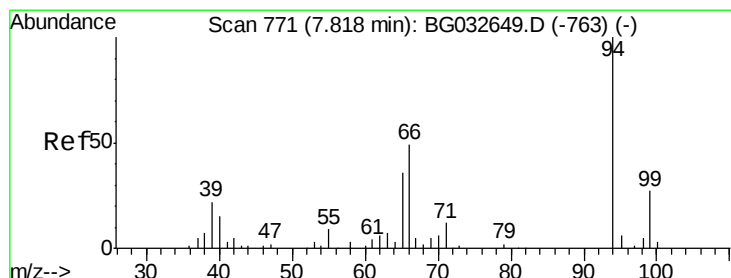
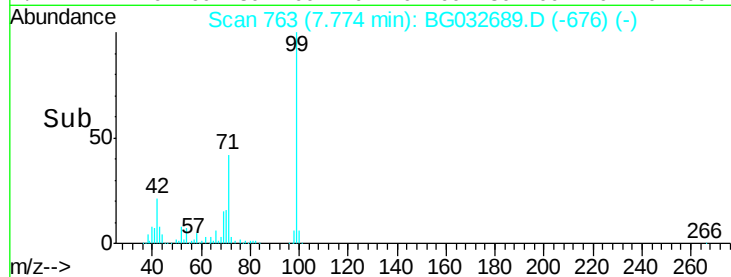
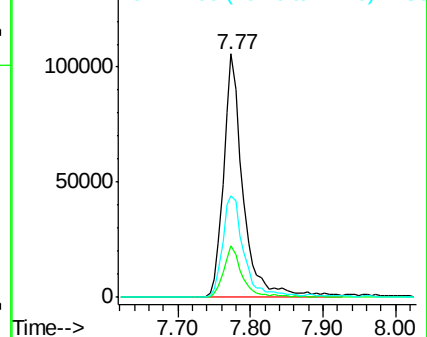
99 100

42 21.1 14.1 21.1

71 41.6 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



#10

Phenol

Concen: 3.55 ng

RT: 7.81 min Scan# 769

Delta R.T. -0.01 min

Lab File: BG032689.D

Acq: 14 Feb 2018 20:08

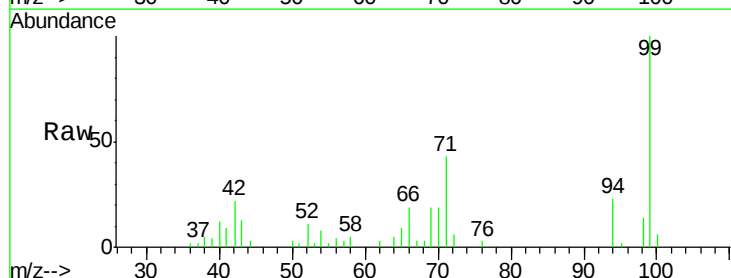
Tgt Ion: 94 Resp: 4955

Ion Ratio Lower Upper

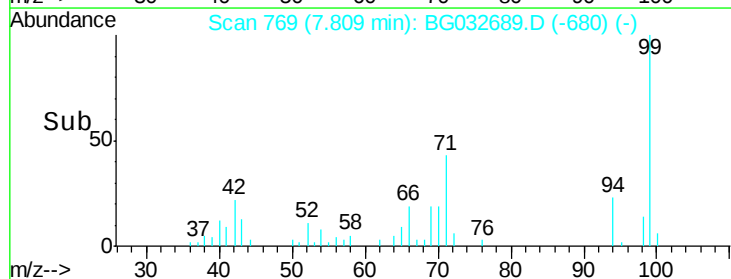
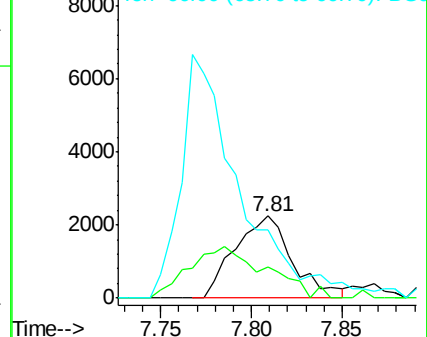
94 100

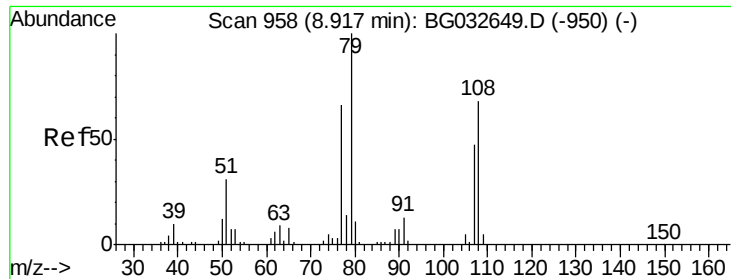
65 38.0 11.9 51.9

66 83.3 22.2 62.2#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

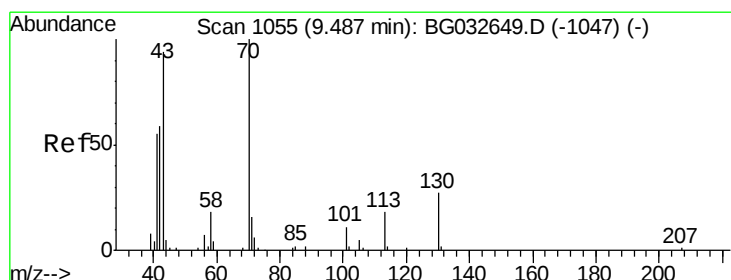
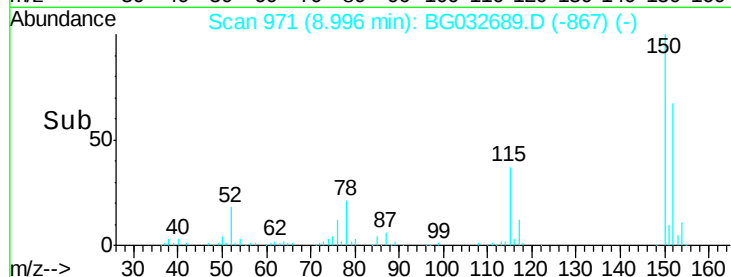
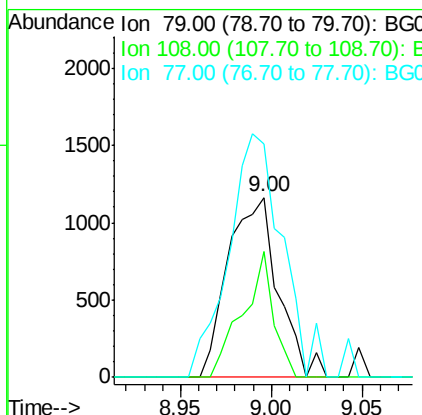
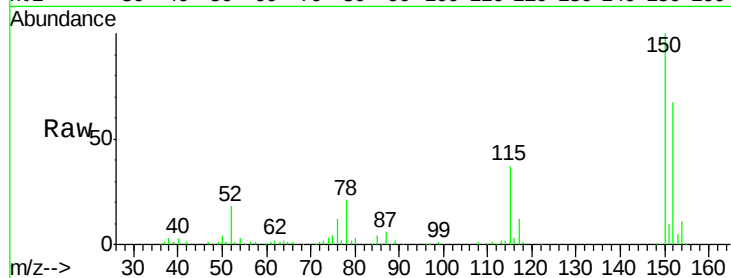




#15
Benzyl Alcohol
Concen: 2.08 ng
RT: 9.00 min Scan# 971
Delta R.T. 0.08 min
Lab File: BG032689.D
Acq: 14 Feb 2018 20:08

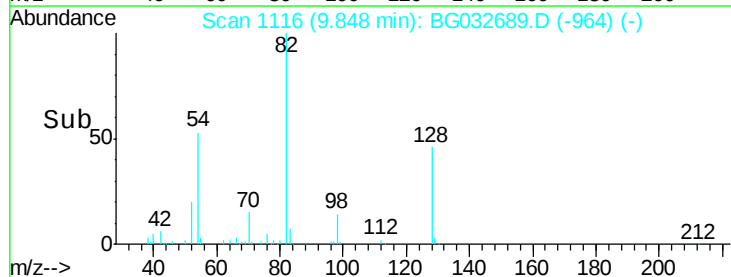
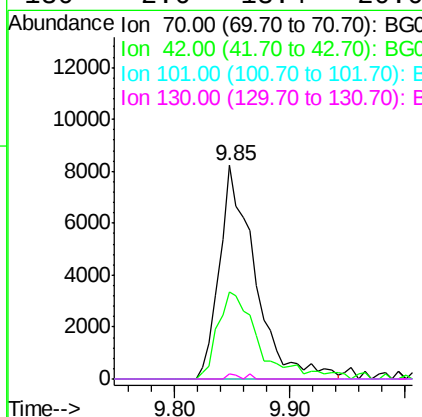
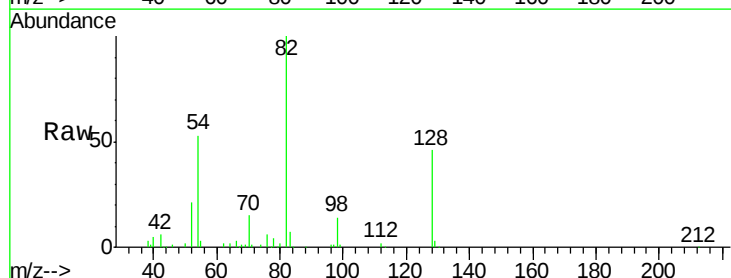
Instrument :
BNA_G
ClientSampled :

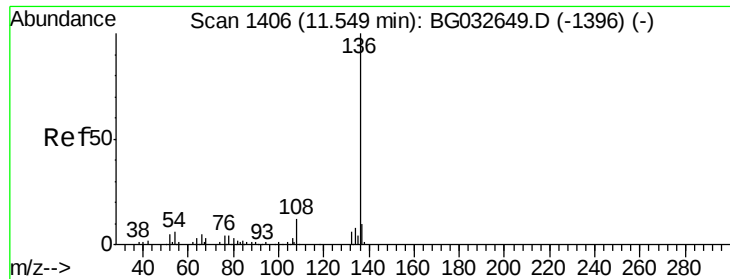
Tot Ion: 79 Resp: 2231
Ion Ratio Lower Upper
79 100
108 70.2 57.2 85.8
77 129.5 46.1 69.1#



#19
n-Nitroso-di-n-propylamine
Concen: 18.28 ng
RT: 9.85 min Scan# 1116
Delta R.T. 0.36 min
Lab File: BG032689.D
Acq: 14 Feb 2018 20:08

Tgt Ion: 70 Resp: 17617
Ion Ratio Lower Upper
70 100
42 40.8 49.1 73.7#
101 0.0 8.5 12.7#
130 2.6 13.4 20.0#

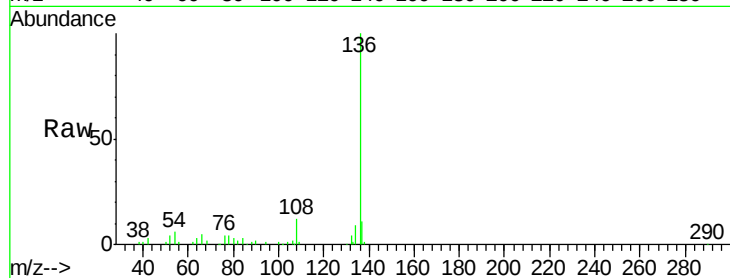




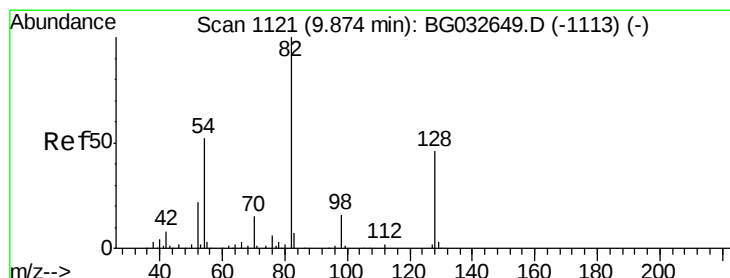
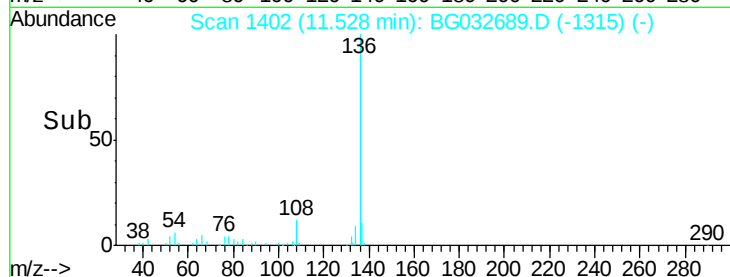
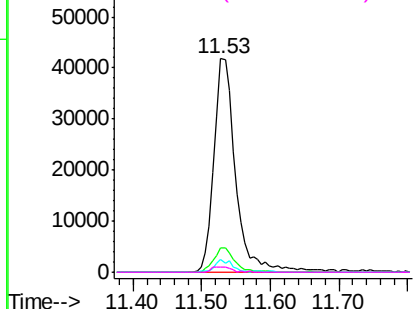
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.53 min Scan# 1402
Delta R.T. -0.02 min
Lab File: BG032689.D
Acq: 14 Feb 2018 20:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	92086
Ion	Ratio	Lower Upper
136	100	
137	11.5	9.2 13.8
54	6.0	10.3 15.5#
68	2.2	4.5 6.7#

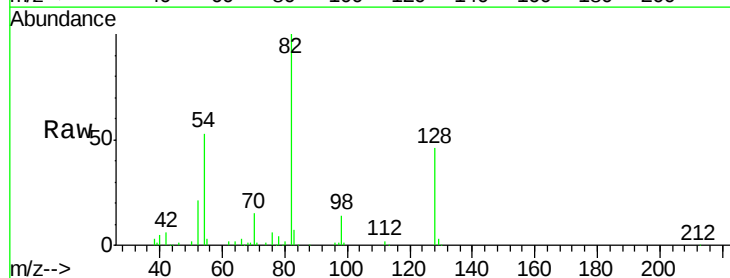


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

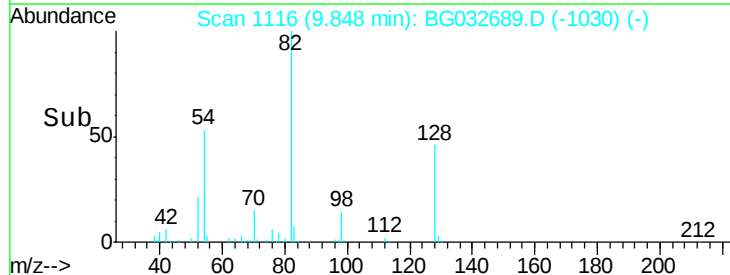
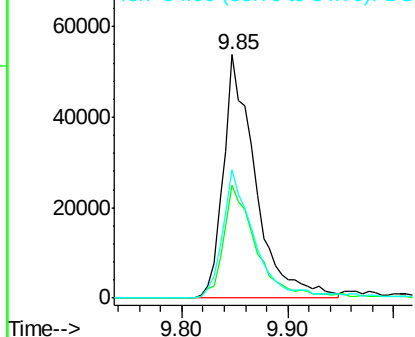


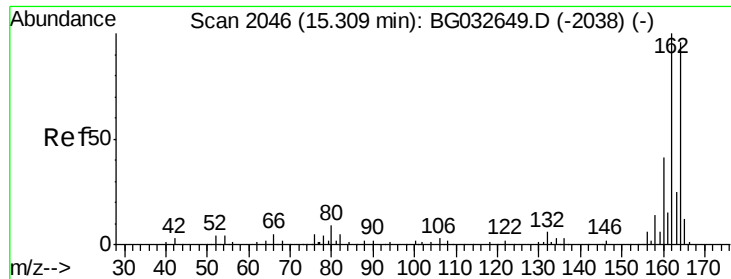
#23
Nitrobenzene-d5
Concen: 78.28 ng
RT: 9.85 min Scan# 1116
Delta R.T. -0.03 min
Lab File: BG032689.D
Acq: 14 Feb 2018 20:08

Tgt Ion: 82	Resp:	113417
Ion	Ratio	Lower Upper
82	100	
128	46.4	29.7 44.5#
54	52.9	43.1 64.7



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.29 min Scan# 2043

Delta R.T. -0.02 min

Lab File: BG032689.D

Acq: 14 Feb 2018 20:08

Instrument :

BNA_G

ClientSampleId :

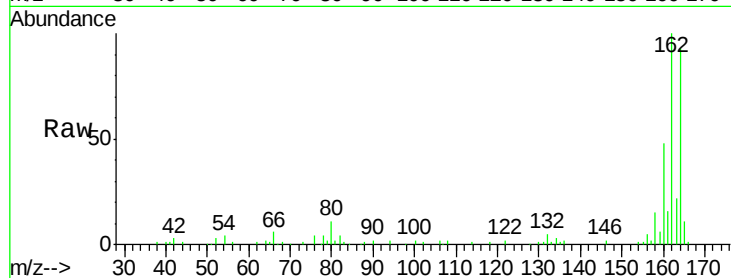
Tot Ion:164 Resp: 67849

Ion Ratio Lower Upper

164 100

162 107.2 78.8 118.2

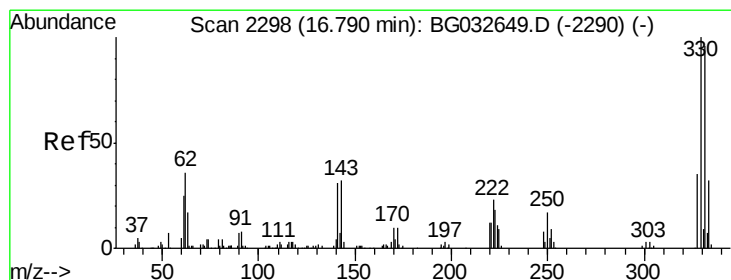
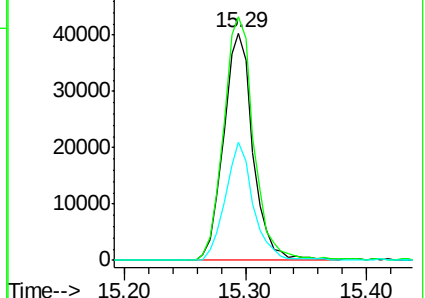
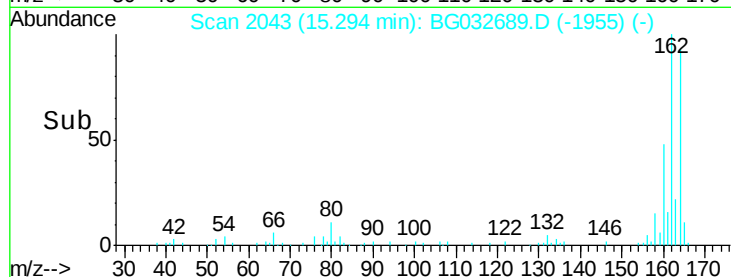
160 52.0 35.4 53.0



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: 214.32 ng

RT: 16.77 min Scan# 2295

Delta R.T. -0.02 min

Lab File: BG032689.D

Acq: 14 Feb 2018 20:08

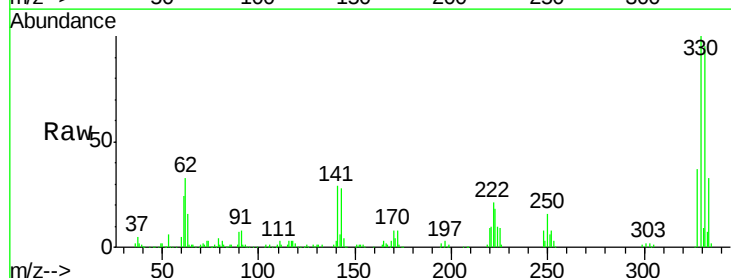
Tgt Ion:330 Resp: 223903

Ion Ratio Lower Upper

330 100

332 94.2 77.0 115.6

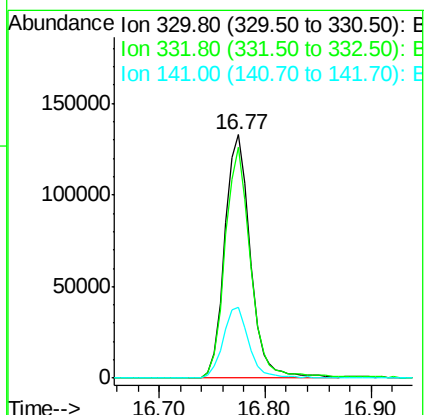
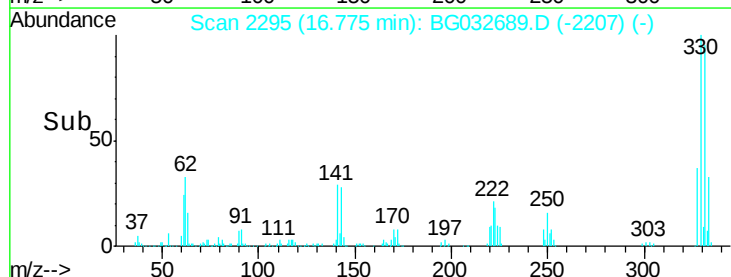
141 29.4 25.2 37.8

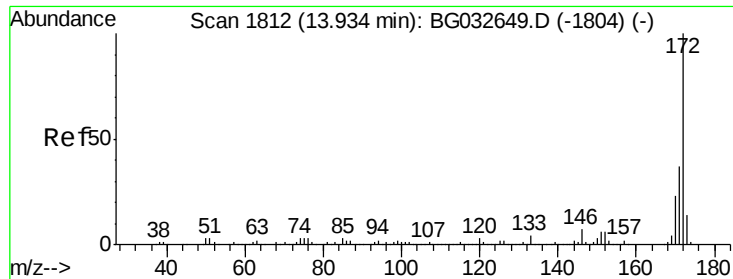


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

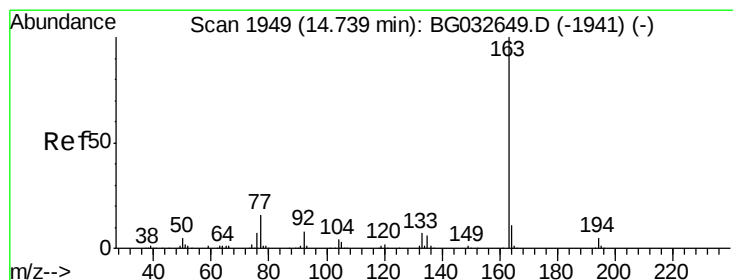
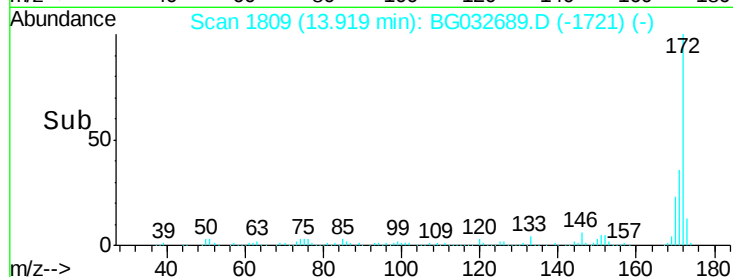
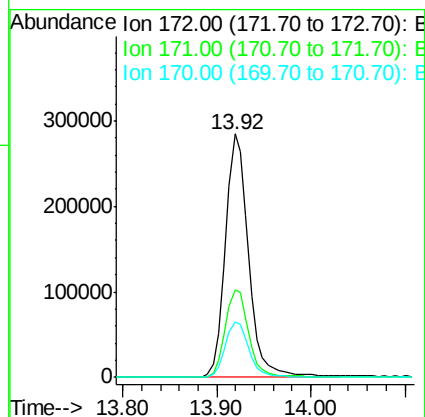
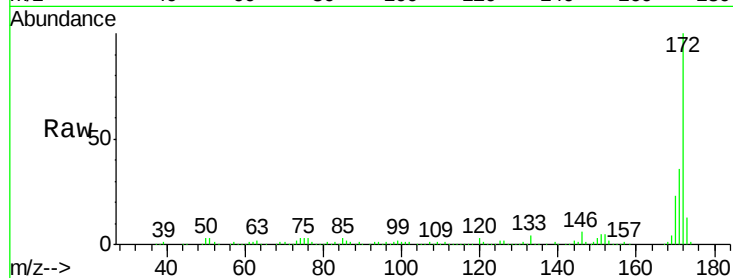




#44
2-Fluorobiphenyl
Concen: 90.38 ng
RT: 13.92 min Scan# 1809
Delta R.T. -0.02 min
Lab File: BG032689.D
Acq: 14 Feb 2018 20:08

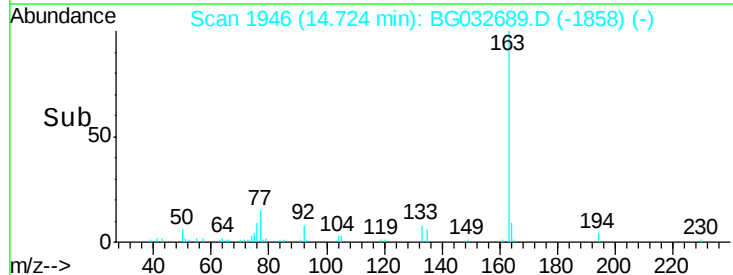
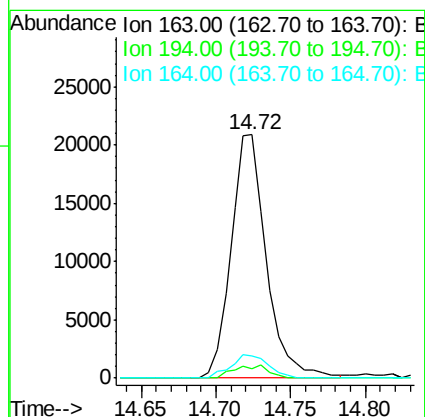
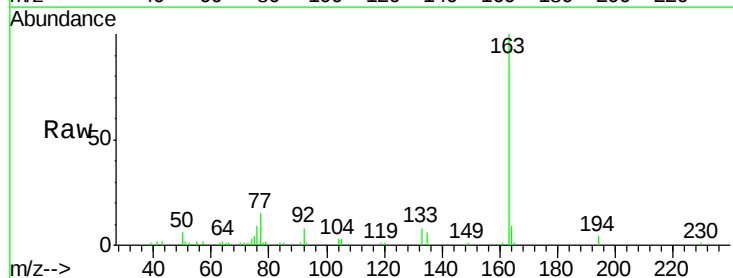
Instrument :
BNA_G
ClientSampleId :

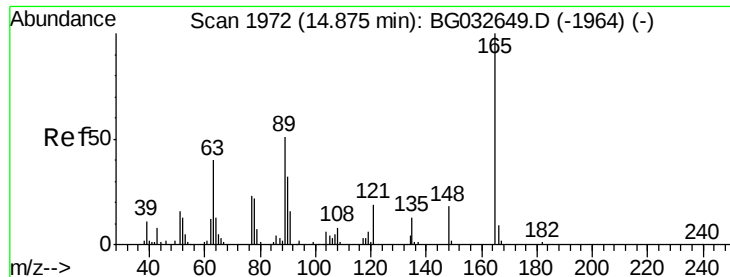
Tot Ion:172 Resp: 490374
Ion Ratio Lower Upper
172 100
171 36.0 30.0 45.0
170 22.9 19.5 29.3



#49
Dimethylphthalate
Concen: 5.85 ng
RT: 14.72 min Scan# 1946
Delta R.T. -0.02 min
Lab File: BG032689.D
Acq: 14 Feb 2018 20:08

Tgt Ion:163 Resp: 34330
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.2
164 9.1 8.2 12.4

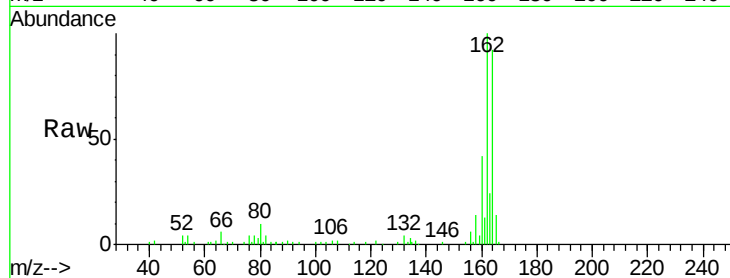




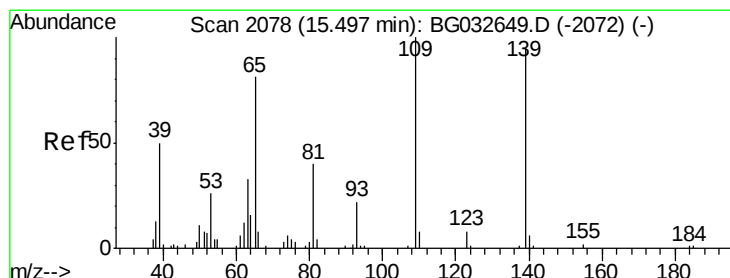
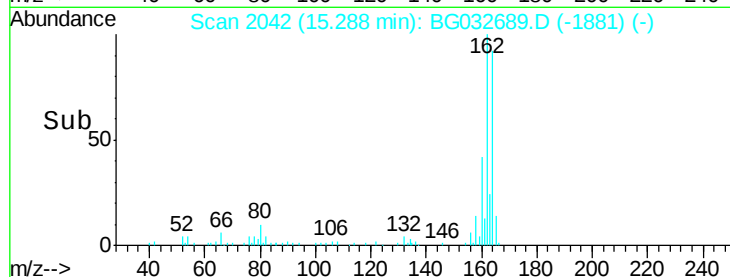
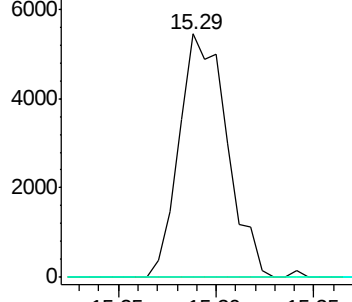
#50
 2,6-Dinitrotoluene
 Concen: 7.63 ng
 RT: 15.29 min Scan# 2042
 Delta R.T. 0.41 min
 Lab File: BG032689.D
 Acq: 14 Feb 2018 20:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 9215
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

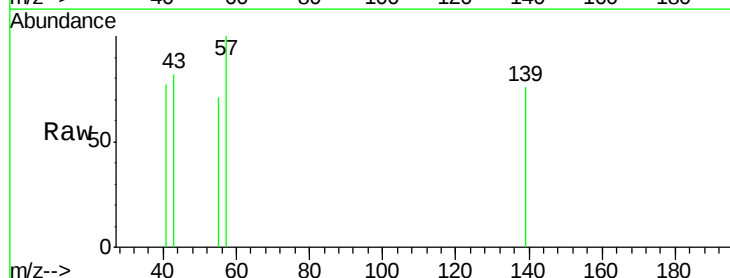


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGO
 Ion 89.00 (88.70 to 89.70): BGO

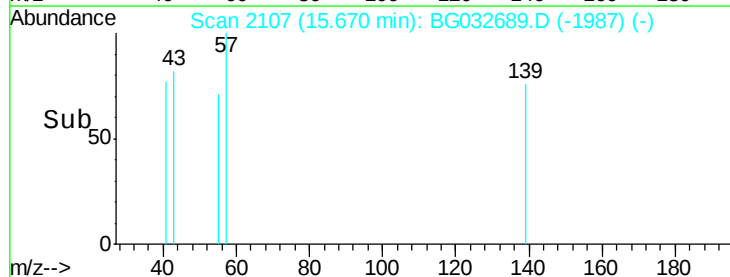
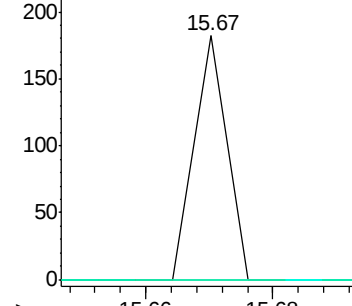


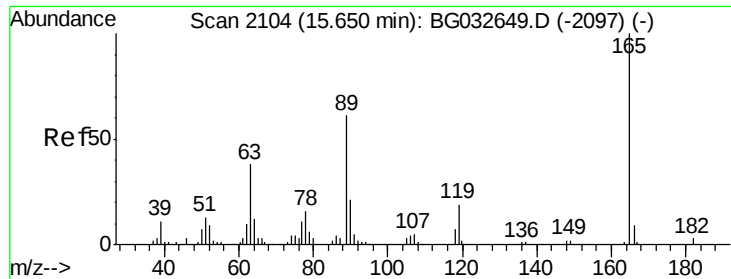
#55
 4-Nitrophenol
 Concen: 5.56 ng
 RT: 15.67 min Scan# 2107
 Delta R.T. 0.17 min
 Lab File: BG032689.D
 Acq: 14 Feb 2018 20:08

Tgt Ion:139 Resp: 64
 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): BGO

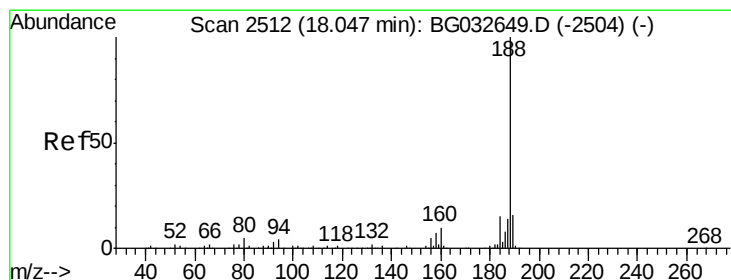
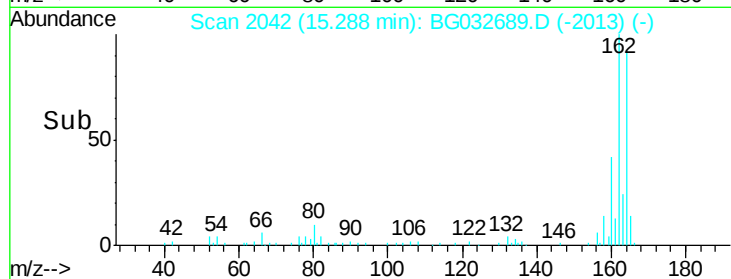
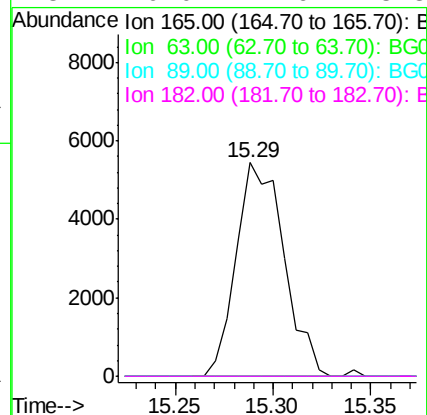
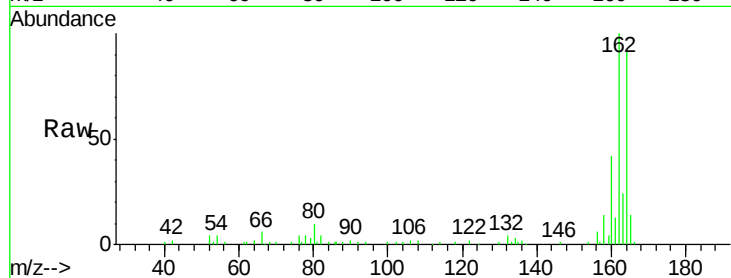




#56
 2,4-Dinitrotoluene
 Concen: 5.54 ng
 RT: 15.29 min Scan# 2042
 Delta R.T. -0.36 min
 Lab File: BG032689.D
 Acq: 14 Feb 2018 20:08

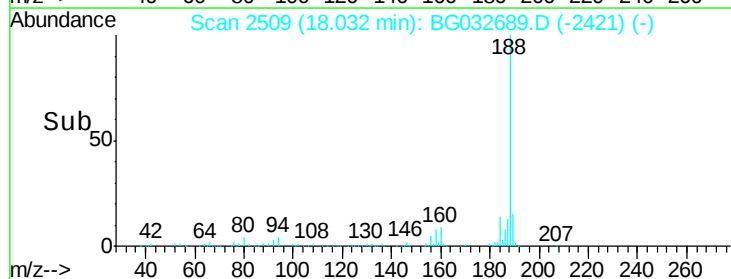
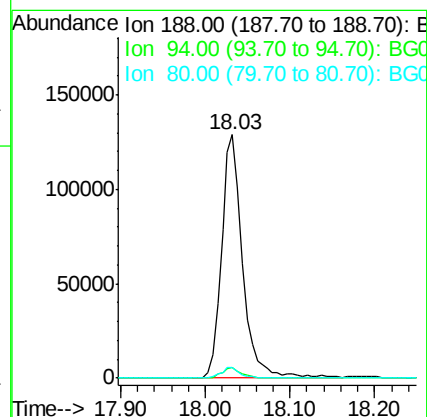
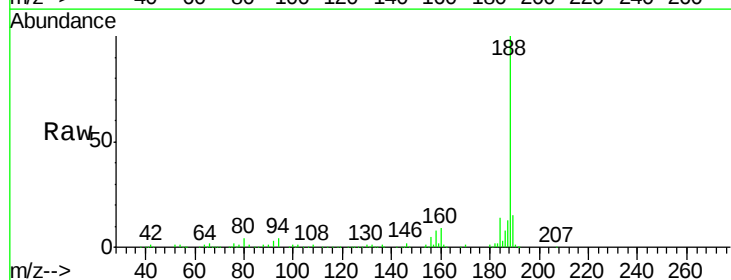
Instrument :
 BNA_G
 ClientSampleId :

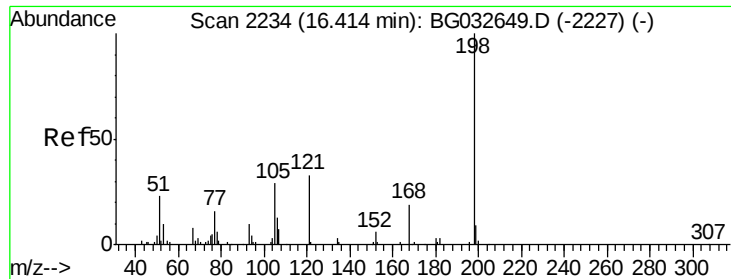
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	0.0	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.03 min Scan# 2509
 Delta R.T. -0.02 min
 Lab File: BG032689.D
 Acq: 14 Feb 2018 20:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.3	6.9	10.3#
80	4.2	7.7	11.5#





#64

4,6-Dinitro-2-methylphenol

Concen: 5.06 ng

RT: 16.57 min Scan# 2261

Delta R.T. 0.16 min

Lab File: BG032689.D

Acq: 14 Feb 2018 20:08

Instrument :

BNA_G

ClientSampled :

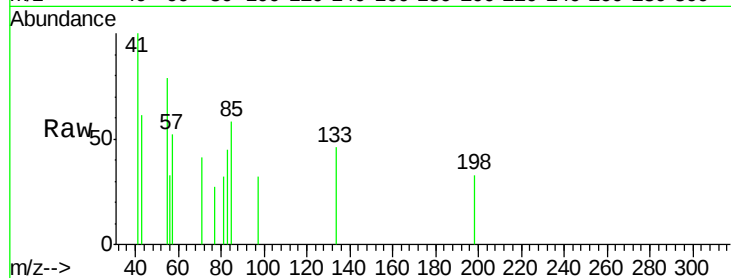
Tot Ion:198 Resp: 65

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

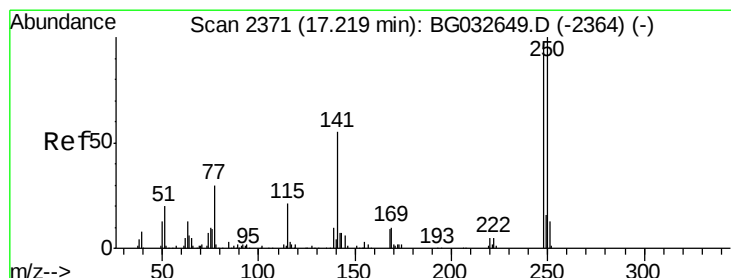
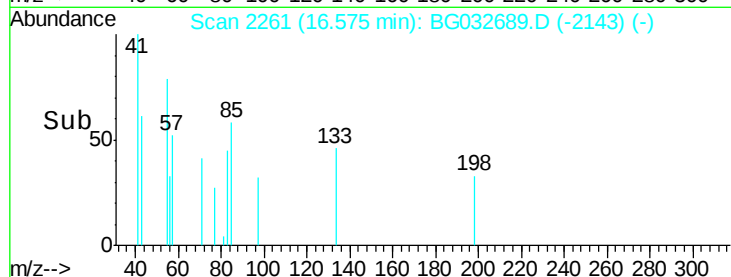
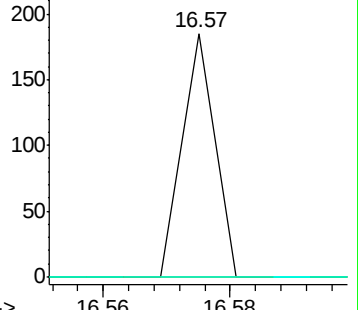
105 0.0 23.8 63.8#



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



#66

4-Bromophenyl-phenylether

Concen: 5.85 ng

RT: 16.77 min Scan# 2295

Delta R.T. -0.44 min

Lab File: BG032689.D

Acq: 14 Feb 2018 20:08

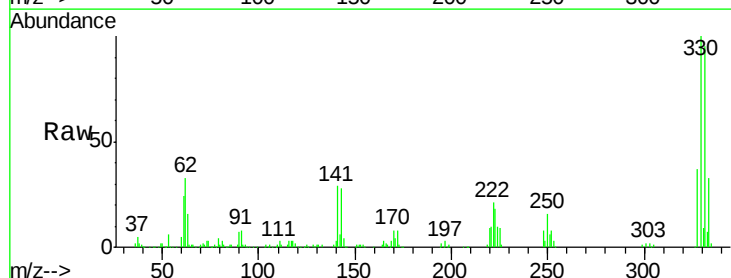
Tgt Ion:248 Resp: 18741

Ion Ratio Lower Upper

248 100

250 211.3 77.1 115.7#

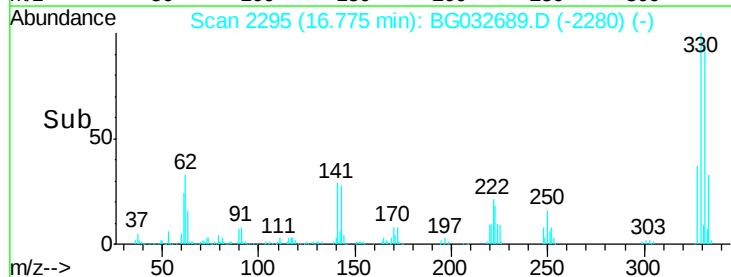
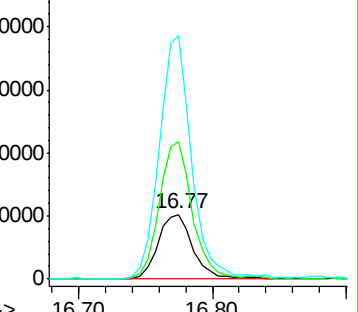
141 375.9 50.8 76.2#

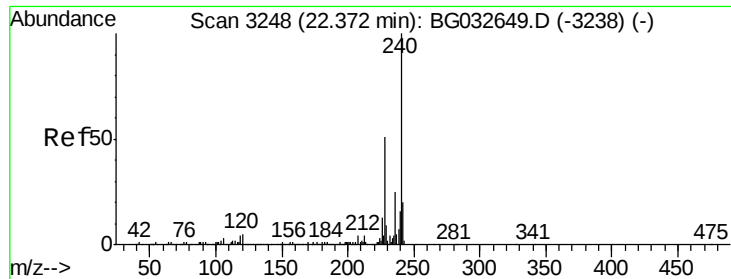


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.35 min Scan# 3244

Delta R.T. -0.02 min

Lab File: BG032689.D

Acq: 14 Feb 2018 20:08

Instrument :

BNA_G

ClientSampleId :

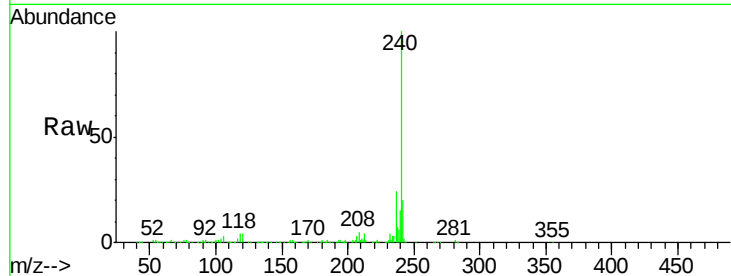
Tot Ion:240 Resp: 328337

Ion Ratio Lower Upper

240 100

120 3.8 6.8 10.2#

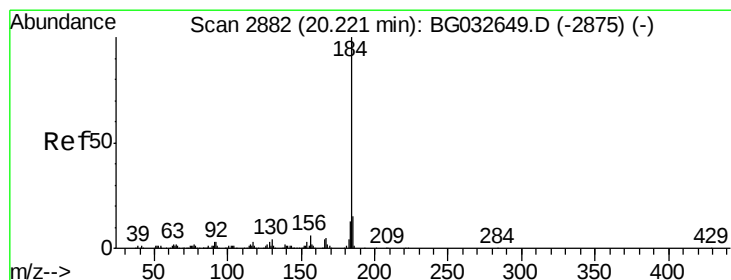
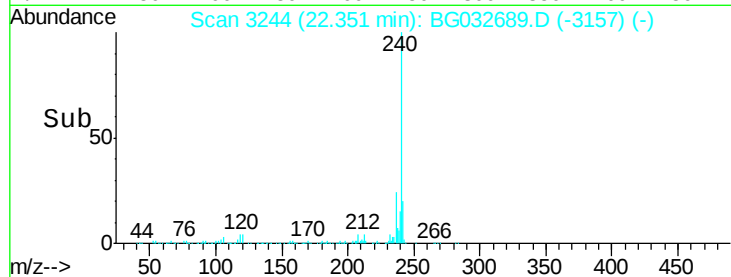
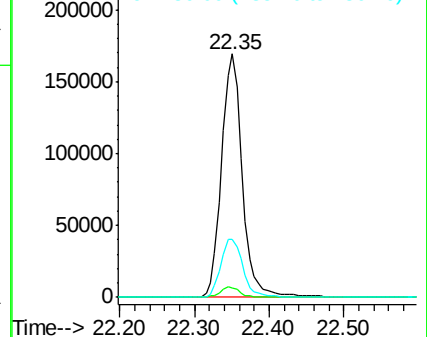
236 24.1 20.9 31.3



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: 2.56 ng

RT: 20.57 min Scan# 2941

Delta R.T. 0.35 min

Lab File: BG032689.D

Acq: 14 Feb 2018 20:08

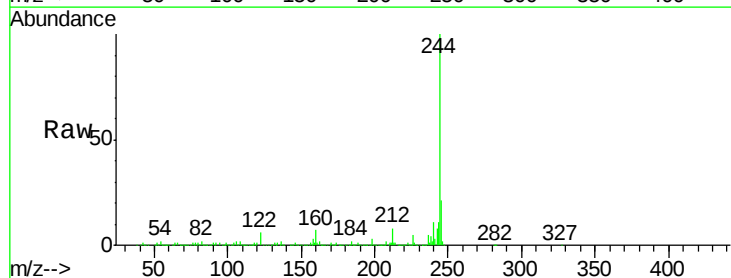
Tgt Ion:184 Resp: 19761

Ion Ratio Lower Upper

184 100

185 18.9 11.1 16.7#

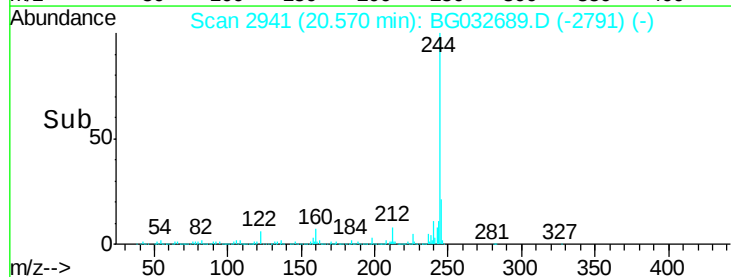
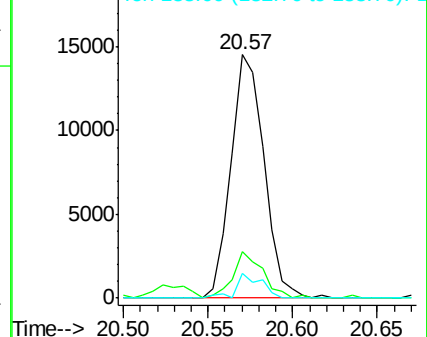
183 10.4 10.6 16.0#

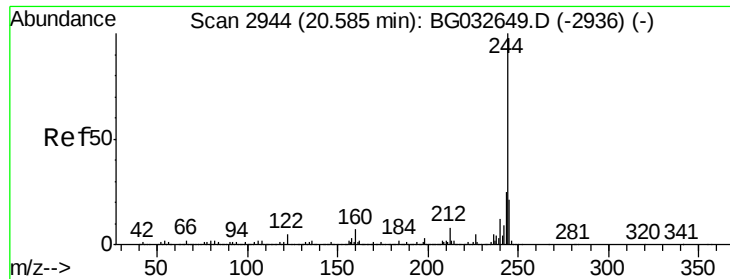


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 89.64 ng

RT: 20.58 min Scan# 2942

Delta R.T. -0.01 min

Lab File: BG032689.D

Acq: 14 Feb 2018 20:08

Instrument :

BNA_G

ClientSampled :

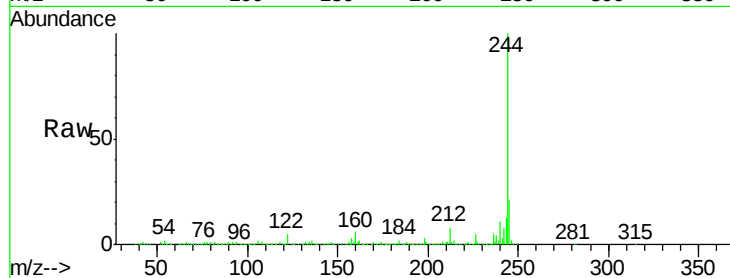
Tot Ion:244 Resp: 1291286

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

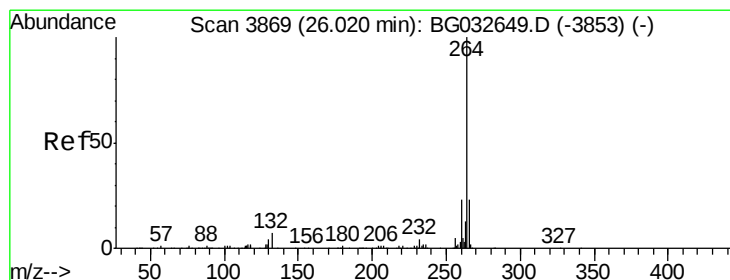
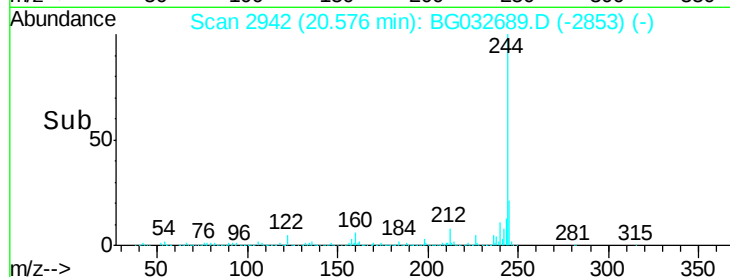
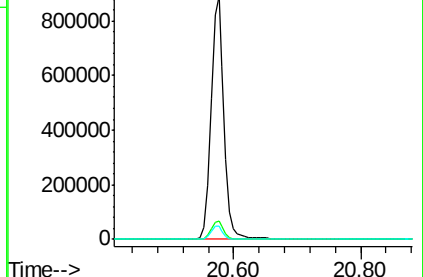
122 5.3 7.0 10.4#



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: 20.00 ng

RT: 25.98 min Scan# 3862

Delta R.T. -0.04 min

Lab File: BG032689.D

Acq: 14 Feb 2018 20:08

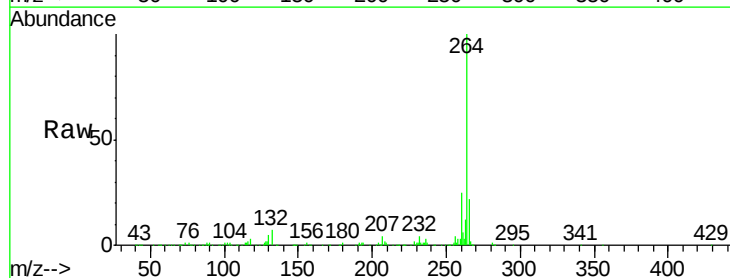
Tgt Ion:264 Resp: 343541

Ion Ratio Lower Upper

264 100

260 24.7 17.4 26.0

265 21.8 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

