

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG040720\
 Data File : BG044961.D
 Acq On : 7 Apr 2020 19:01
 Operator : CG/JU
 Sample : L2162-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-54-53-COMP

Quant Time: Apr 08 02:23:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 23 07:18:46 2020
 Response via : Initial Calibration

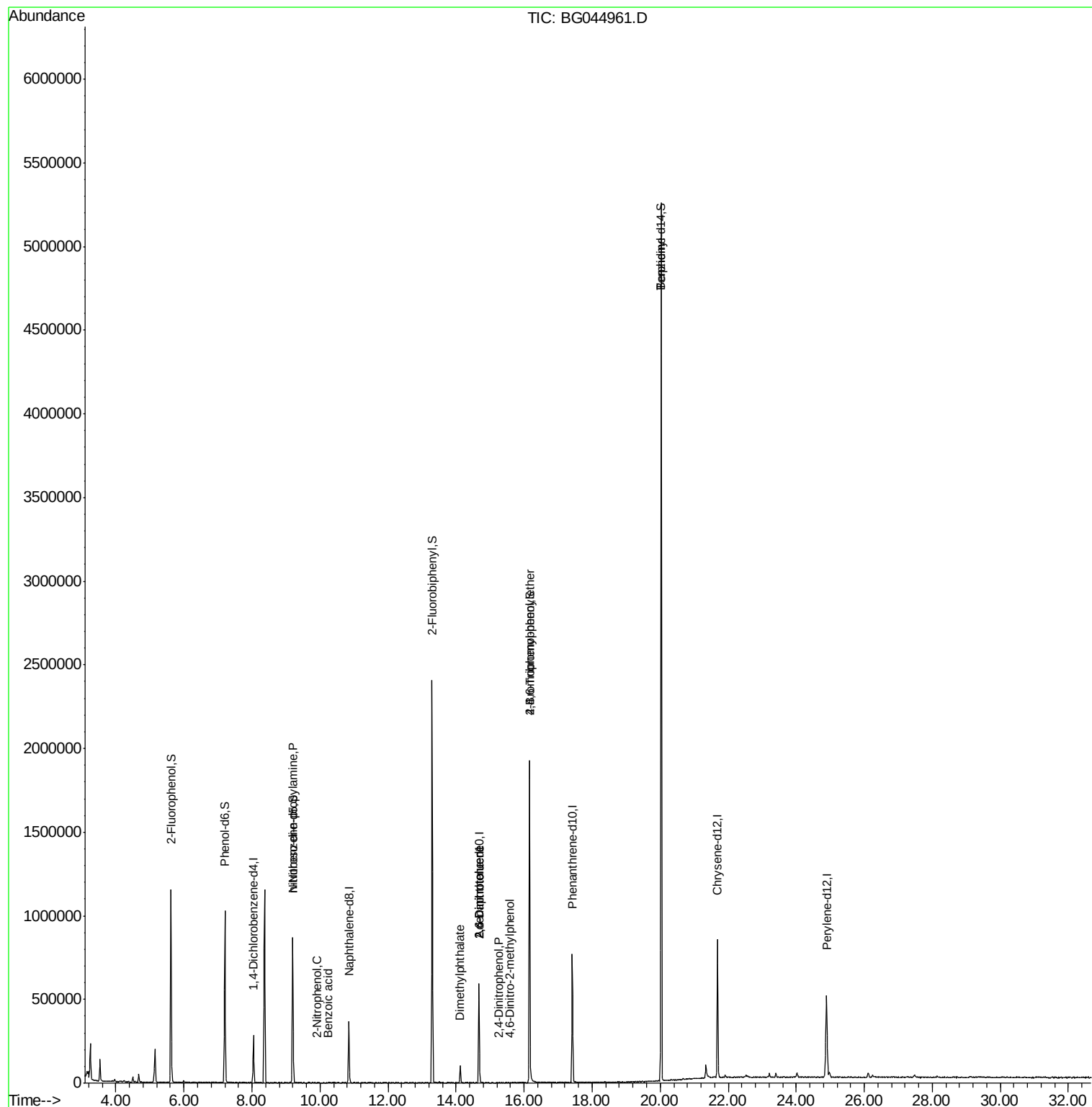
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	87067	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	334990	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	222358	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	514968	20.00	ng	-0.01
76) Chrysene-d12	21.69	240	515351	20.00	ng	-0.01
87) Perylene-d12	24.89	264	553775	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	561172	100.33	ng	0.00
7) Phenol-d6	7.20	99	679251	83.59	ng	0.00
23) Nitrobenzene-d5	9.20	82	590003	77.29	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	413029	141.86	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1317053	84.82	ng	0.00
79) Terphenyl-d14	20.03	244	2434940	88.38	ng	0.00
Target Compounds						
9) Benzaldehyde	7.19	77	888	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	78048	13.60	ng	# 69
26) 2-Nitrophenol	9.92	139	66	5.54	ng	# 28
32) Benzoic acid	10.23	122	86	9.69	ng	# 35
50) Dimethylphthalate	14.12	163	74321	4.20	ng	98
51) 2,6-Dinitrotoluene	14.67	165	29364	8.23	ng	# 21
54) 2,4-Dinitrophenol	15.25	184	57	8.35	ng	# 21
57) 2,4-Dinitrotoluene	14.67	165	29364	6.00	ng	# 21
65) 4,6-Dinitro-2-methylphenol	15.59	198	59	7.75	ng	# 33
67) 4-Bromophenyl-phenylether	16.16	248	27844	4.33	ng	# 1
77) Benzidine	20.03	184	48217	2.88	ng	# 92

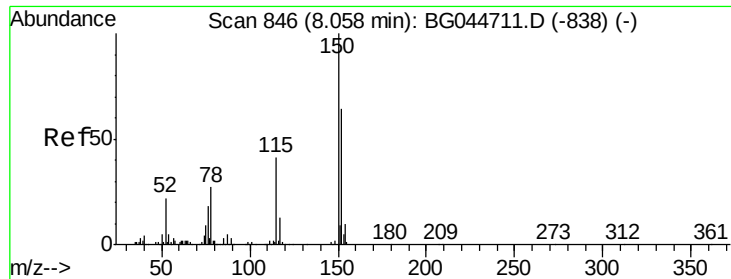
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG040720\
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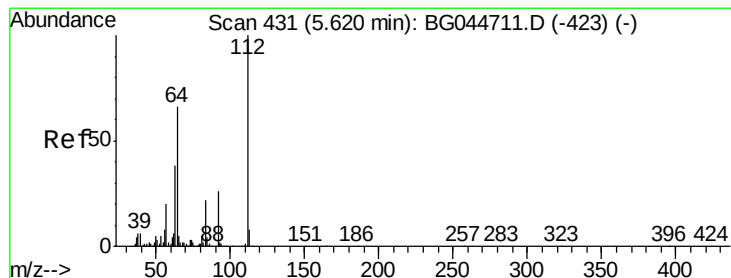
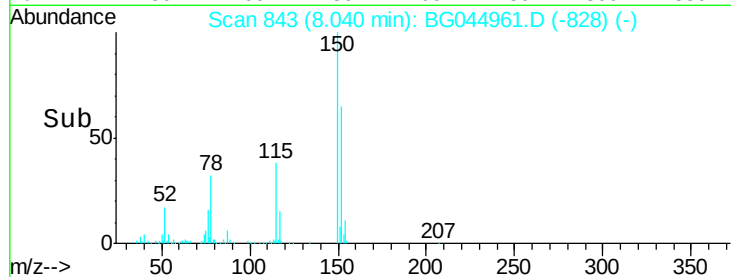
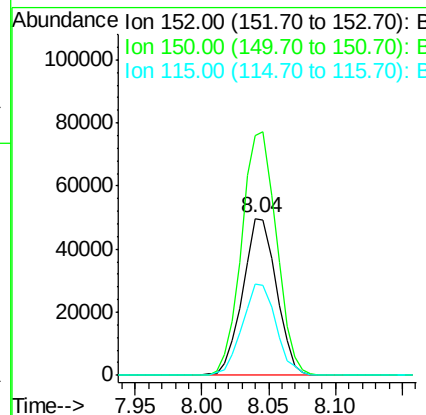
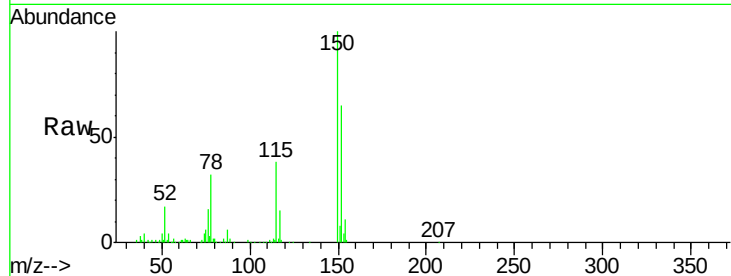


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG044961.D
Acq: 7 Apr 2020 19:01

Instrument :
BNA_G
ClientSampleId :
TP-54-53-COMP

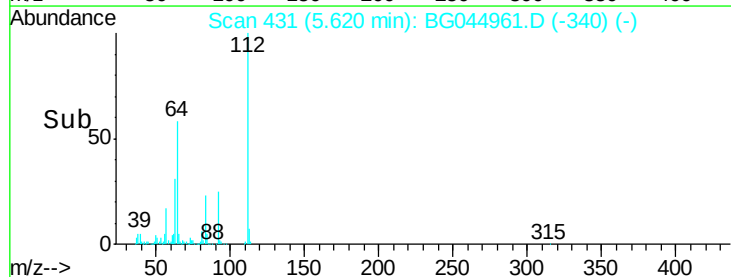
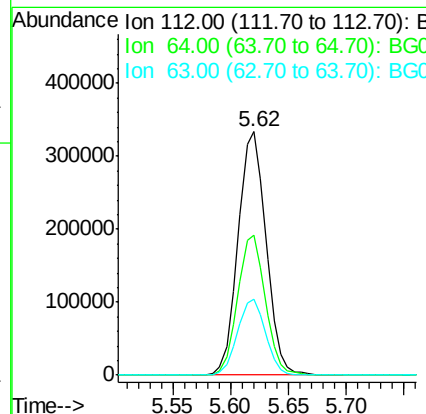
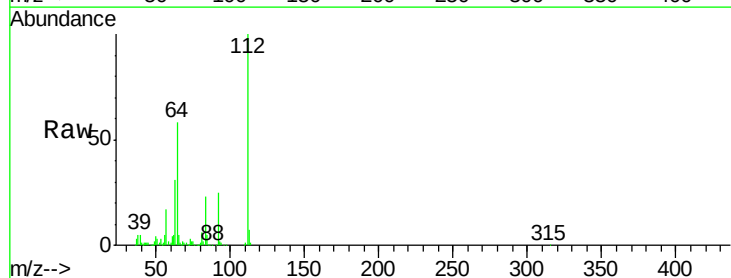
Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.0	128.8	193.2
115	57.9	52.6	79.0

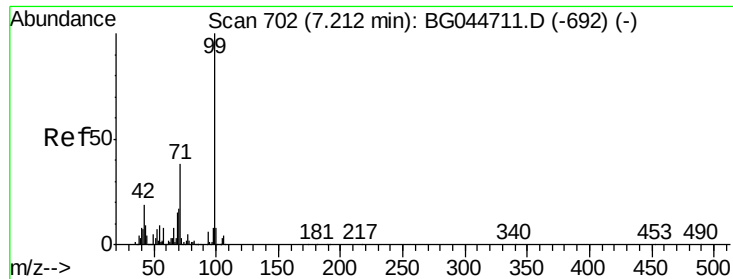


#5

2-Fluorophenol
Concen: 100.33 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.01 min
Lab File: BG044961.D
Acq: 7 Apr 2020 19:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	53.4	80.2
63	31.0	29.4	44.2





#7

Phenol-d6

Concen: 83.59 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044961.D

Acq: 7 Apr 2020 19:01

Instrument :

BNA_G

ClientSampleId :

TP-54-53-COMP

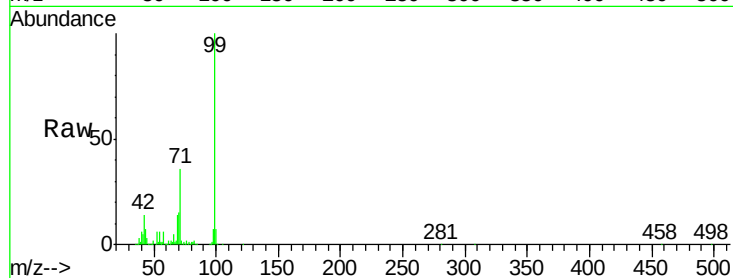
Tgt Ion: 99 Resp: 679251

Ion Ratio Lower Upper

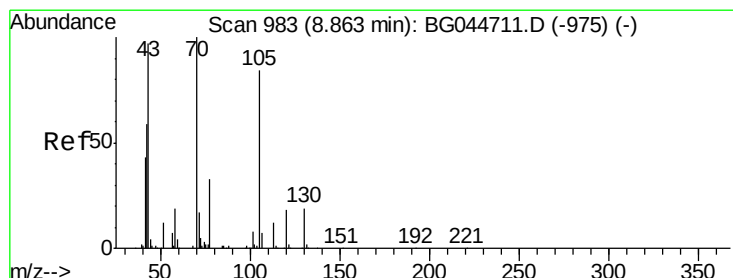
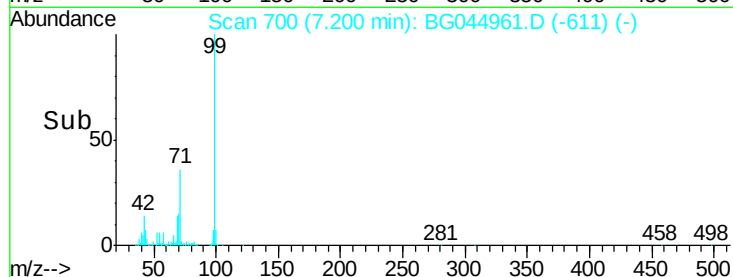
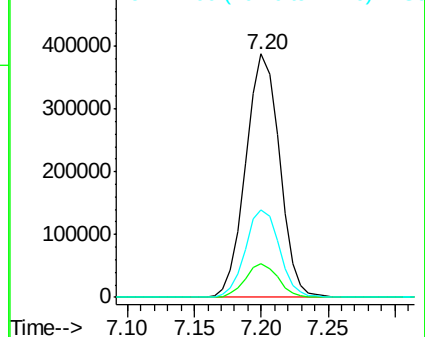
99 100

42 13.7 12.6 19.0

71 36.1 29.0 43.4



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: 13.60 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044961.D

Acq: 7 Apr 2020 19:01

Tgt Ion: 70 Resp: 78048

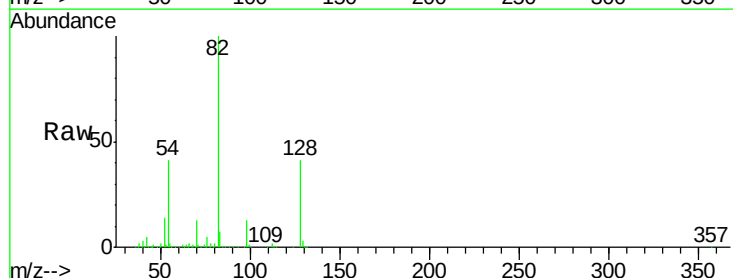
Ion Ratio Lower Upper

70 100

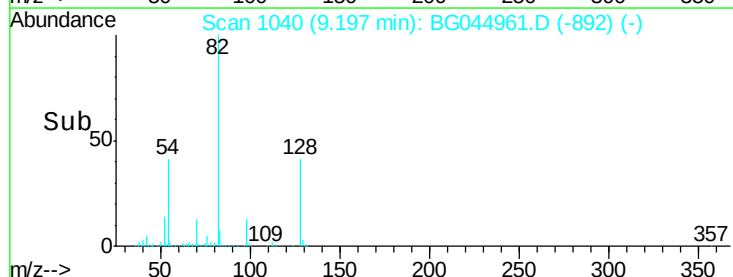
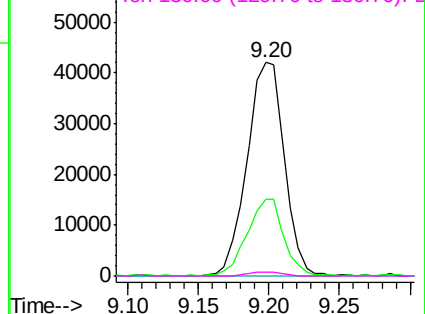
42 35.8 45.7 68.5#

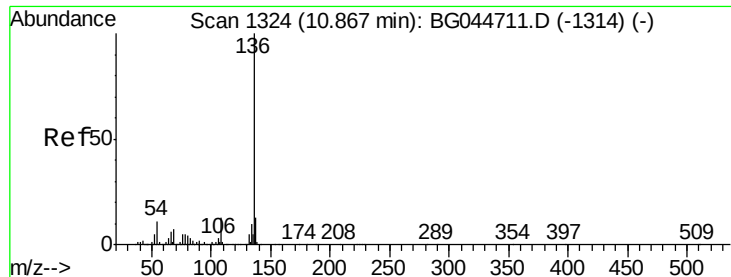
101 0.0 7.4 11.2#

130 2.0 15.9 23.9#



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

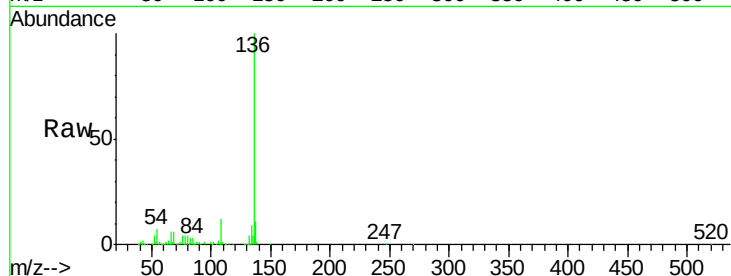




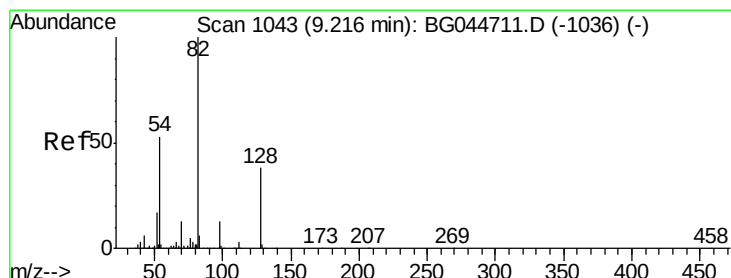
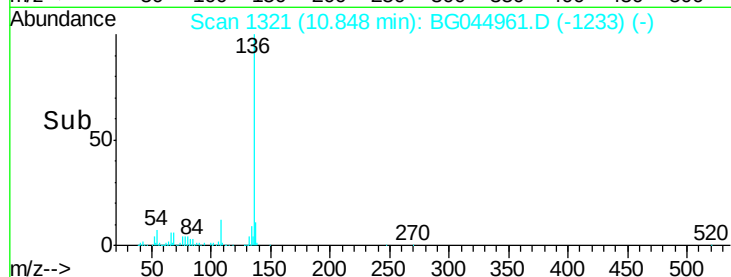
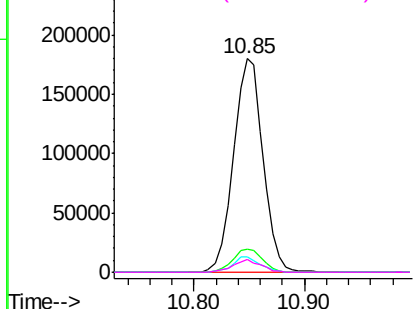
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044961.D
Acq: 7 Apr 2020 19:01

Instrument :
BNA_G
ClientSampleId :
TP-54-53-COMP

Tgt Ion: 136 Resp: 334990
Ion Ratio Lower Upper
136 100
137 10.7 9.8 14.6
54 7.2 7.9 11.9#
68 5.8 5.4 8.0

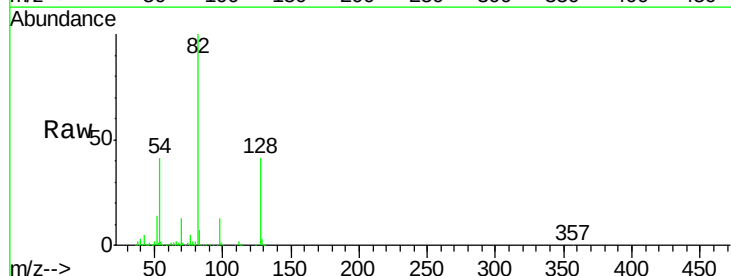


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

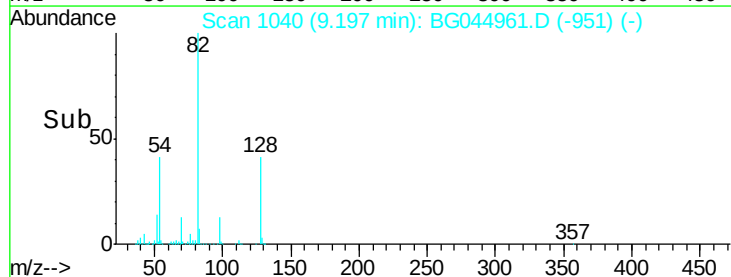
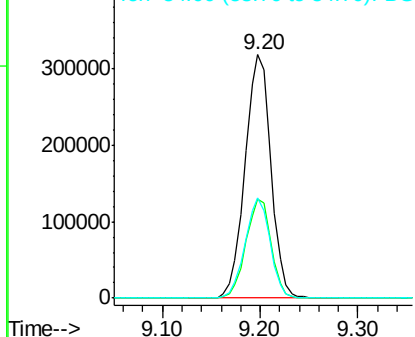


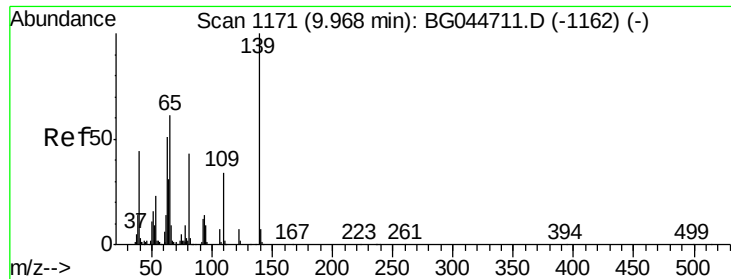
#23
Nitrobenzene-d5
Concen: 77.29 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG044961.D
Acq: 7 Apr 2020 19:01

Tgt Ion: 82 Resp: 590003
Ion Ratio Lower Upper
82 100
128 40.9 30.6 46.0
54 41.4 37.1 55.7



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

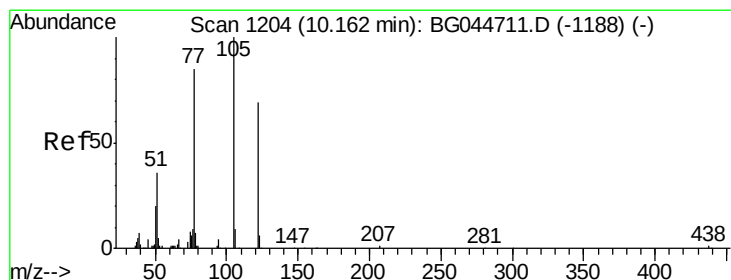
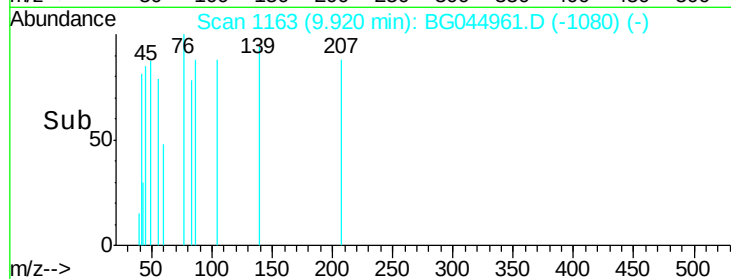
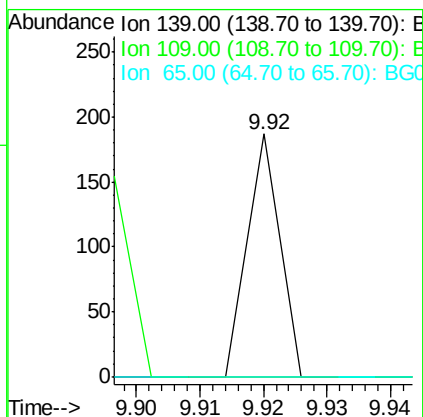
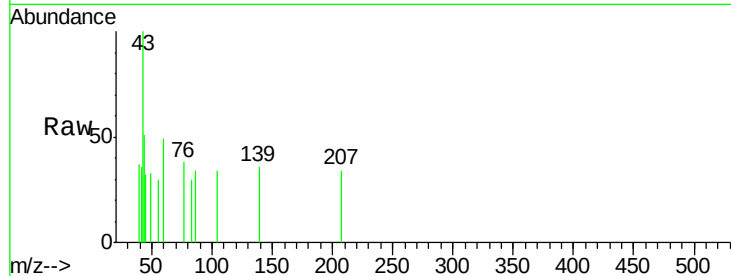




#26
2-Nitrophenol
Concen: 5.54 ng
RT: 9.92 min Scan# 1163
Delta R.T. -0.04 min
Lab File: BG044961.D
Acq: 7 Apr 2020 19:01

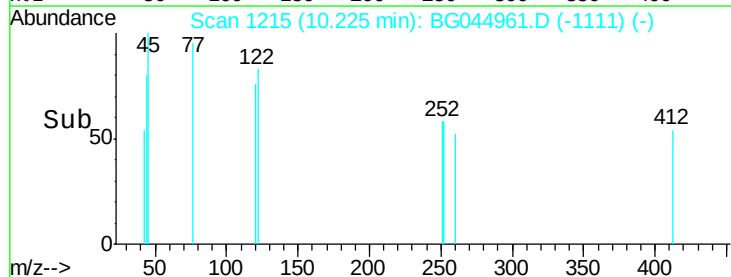
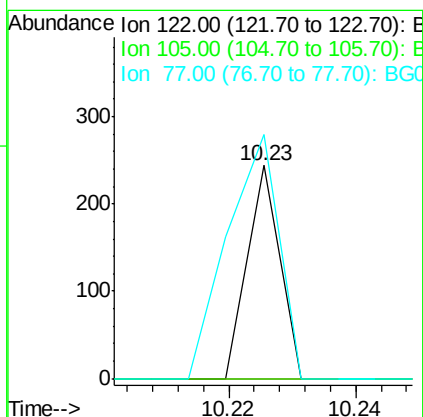
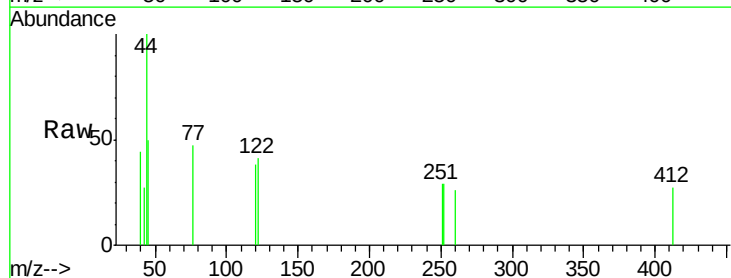
Instrument :
BNA_G
ClientSampleId :
TP-54-53-COMP

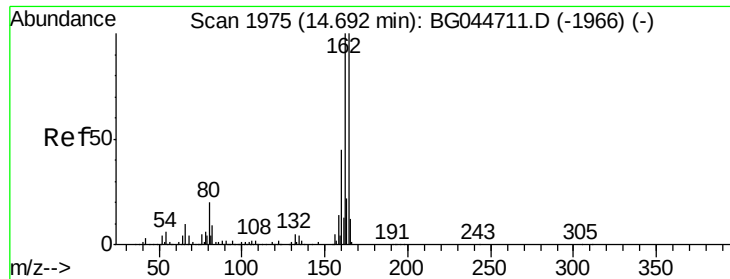
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#



#32
Benzoic acid
Concen: 9.69 ng
RT: 10.23 min Scan# 1215
Delta R.T. 0.08 min
Lab File: BG044961.D
Acq: 7 Apr 2020 19:01

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	114.3	85.3	125.3

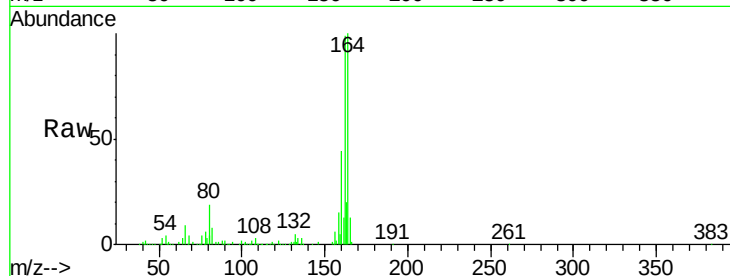




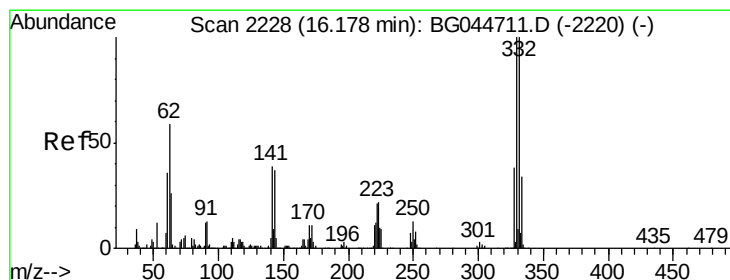
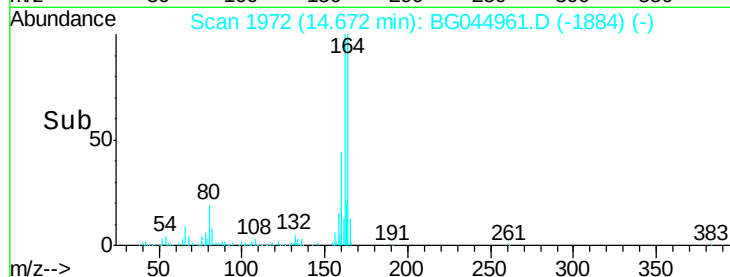
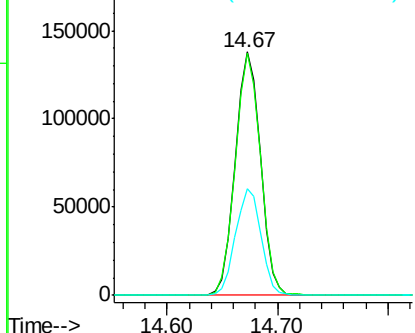
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.01 min
Lab File: BG044961.D
Acq: 7 Apr 2020 19:01

Instrument :
BNA_G
ClientSampleId :
TP-54-53-COMP

Tgt Ion:164 Resp: 222358
Ion Ratio Lower Upper
164 100
162 99.5 76.7 115.1
160 43.9 35.0 52.4

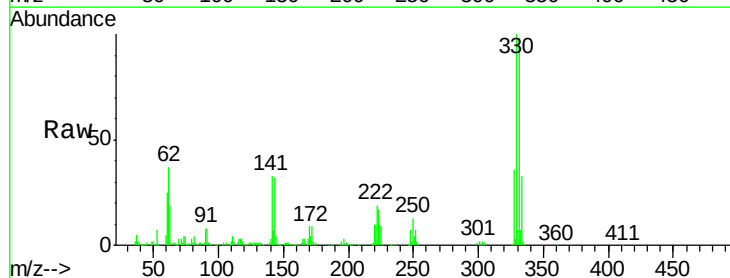


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

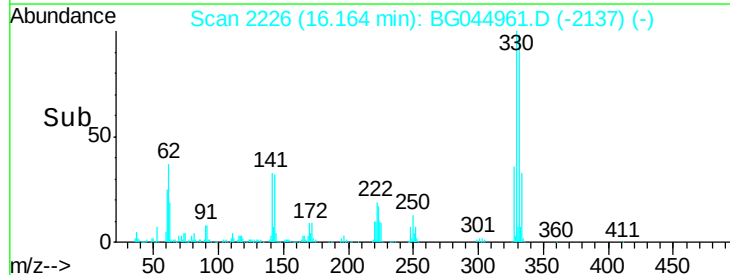
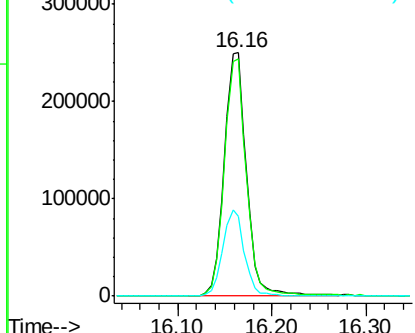


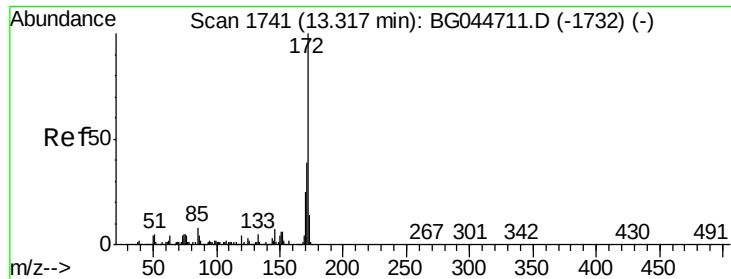
#42
2,4,6-Tribromophenol
Concen: 141.86 ng
RT: 16.16 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BG044961.D
Acq: 7 Apr 2020 19:01

Tgt Ion:330 Resp: 413029
Ion Ratio Lower Upper
330 100
332 97.4 77.8 116.6
141 34.2 29.5 44.3



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





#45

2-Fluorobiphenyl

Concen: 84.82 ng

RT: 13.30 min Scan# 1738

Delta R.T. -0.01 min

Lab File: BG044961.D

Acq: 7 Apr 2020 19:01

Instrument :

BNA_G

ClientSampleId :

TP-54-53-COMP

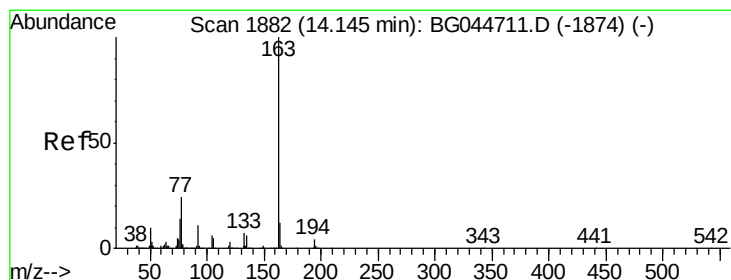
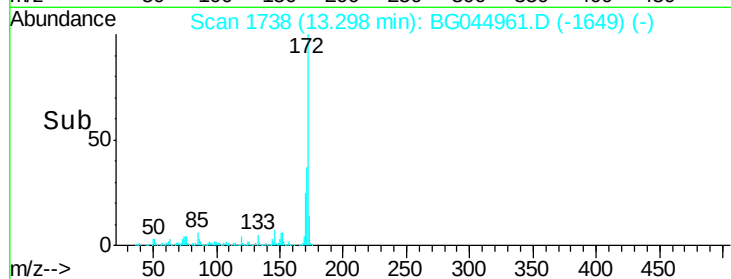
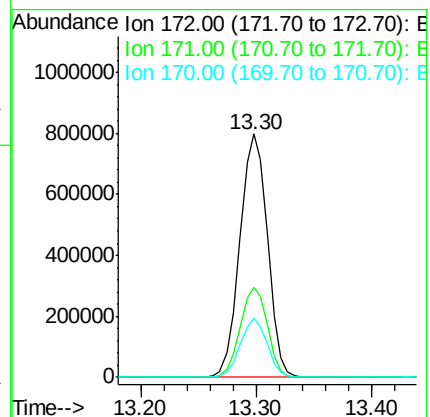
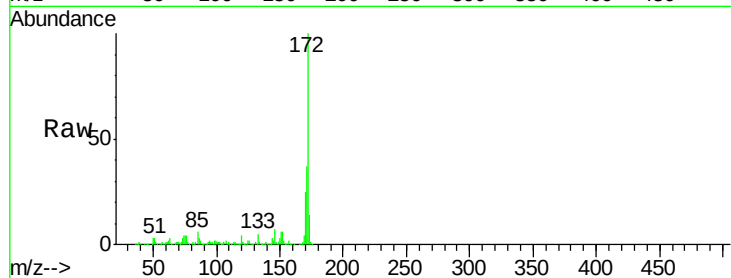
Tgt Ion:172 Resp: 1317053

Ion Ratio Lower Upper

172 100

171 37.2 28.7 43.1

170 24.6 19.0 28.6



#50

Dimethylphthalate

Concen: 4.20 ng

RT: 14.12 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BG044961.D

Acq: 7 Apr 2020 19:01

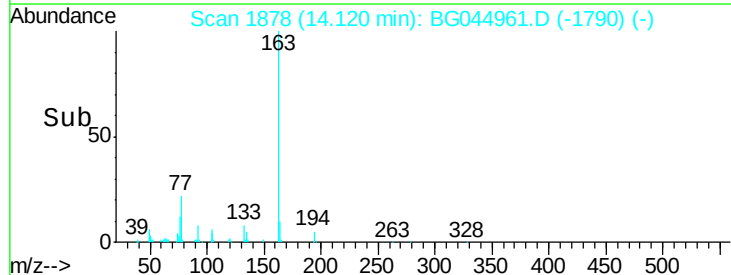
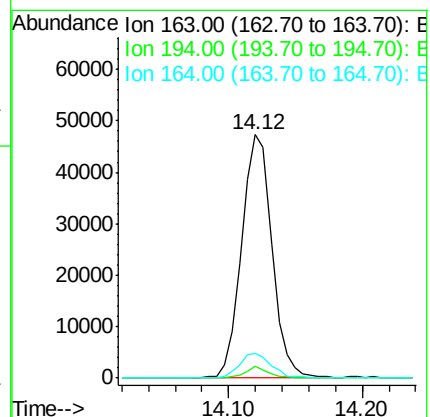
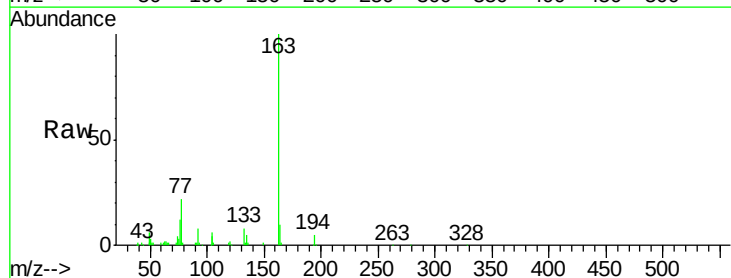
Tgt Ion:163 Resp: 74321

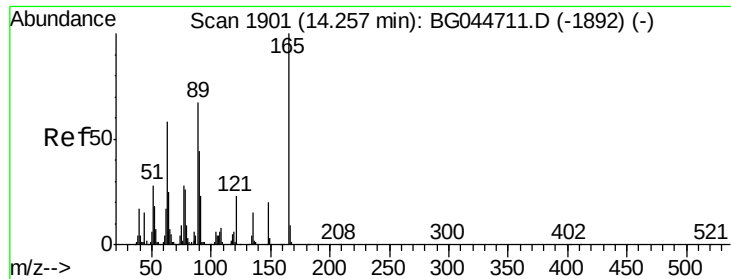
Ion Ratio Lower Upper

163 100

194 4.7 3.7 5.5

164 10.1 9.1 13.7

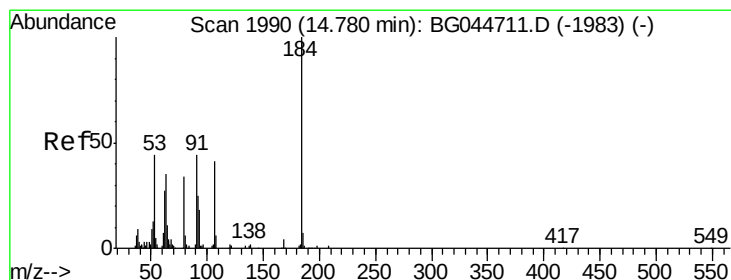
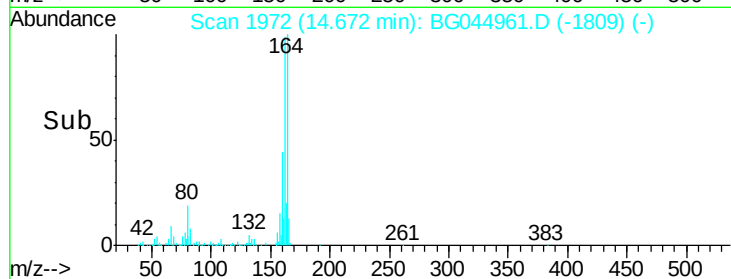
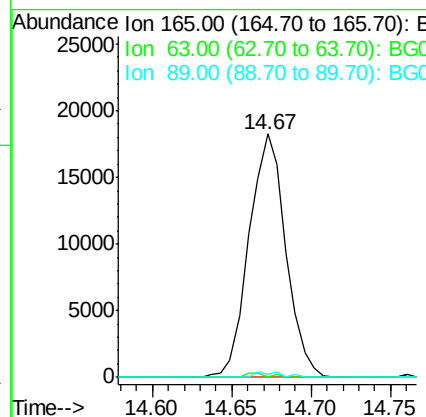
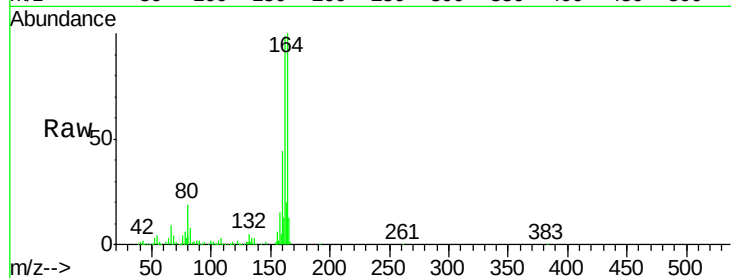




#51
 2,6-Dinitrotoluene
 Concen: 8.23 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. 0.43 min
 Lab File: BG044961.D
 Acq: 7 Apr 2020 19:01

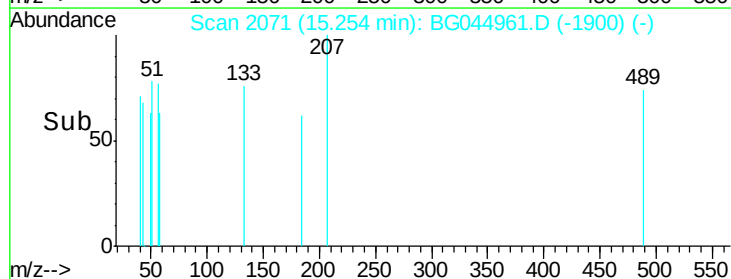
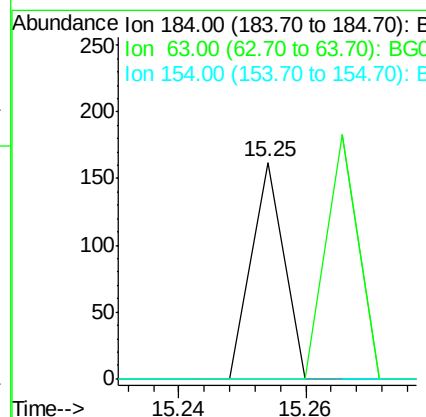
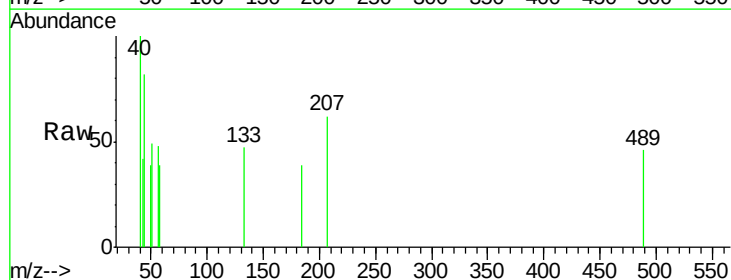
Instrument :
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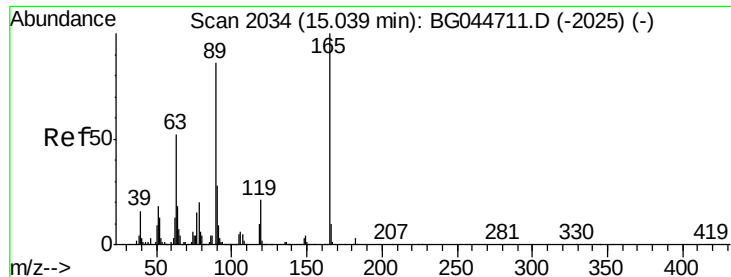
Tgt Ion:165 Resp: 29364
 Ion Ratio Lower Upper
 165 100
 63 0.0 45.8 68.8#
 89 1.0 51.8 77.6#



#54
 2,4-Dinitrophenol
 Concen: 8.35 ng
 RT: 15.25 min Scan# 2071
 Delta R.T. 0.47 min
 Lab File: BG044961.D
 Acq: 7 Apr 2020 19:01

Tgt Ion:184 Resp: 57
 Ion Ratio Lower Upper
 184 100
 63 0.0 45.5 68.3#
 154 0.0 49.1 73.7#





#57

2,4-Dinitrotoluene

Concen: 6.00 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.36 min

Lab File: BG044961.D

Acq: 7 Apr 2020 19:01

Instrument :

BNA_G

ClientSampleId :

TP-54-53-COMP

Tgt Ion:165 Resp: 29364

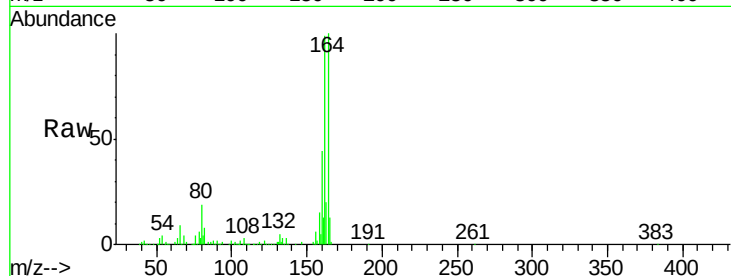
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 1.0 61.3 91.9#

182 0.0 2.2 3.2#

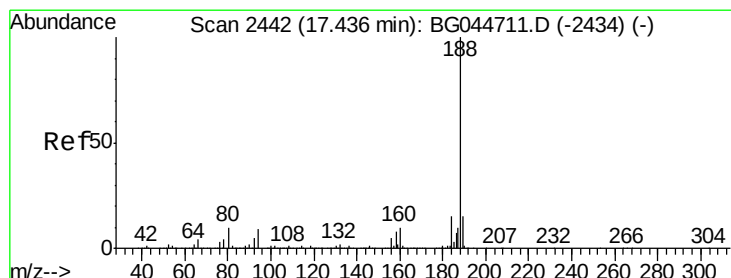
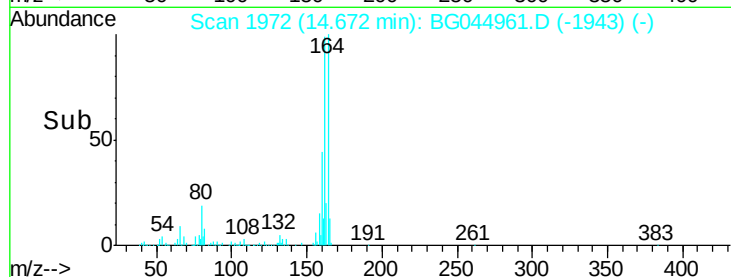
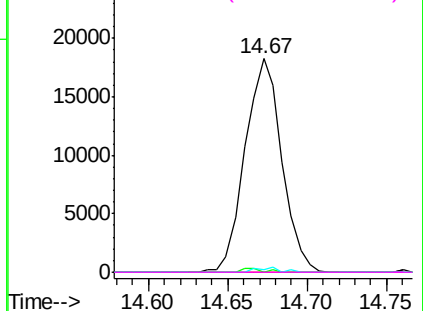


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BG044961.D

Acq: 7 Apr 2020 19:01

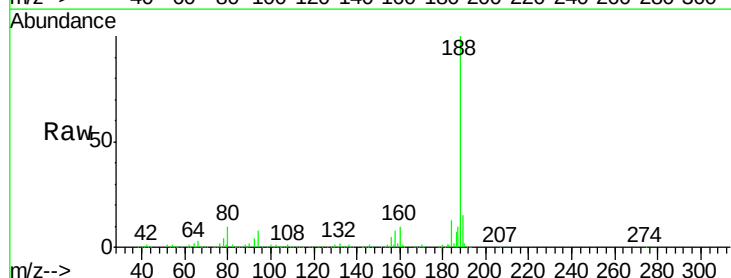
Tgt Ion:188 Resp: 514968

Ion Ratio Lower Upper

188 100

94 8.1 7.3 10.9

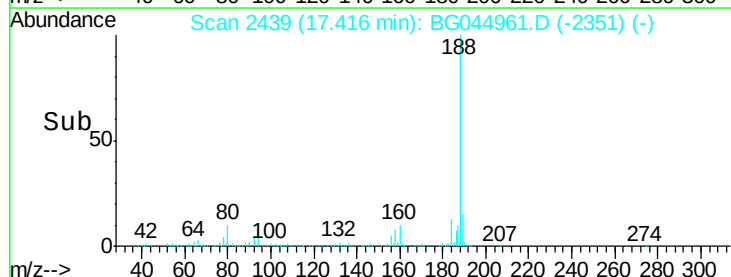
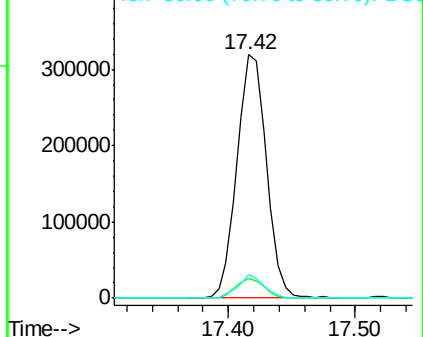
80 9.6 8.0 12.0

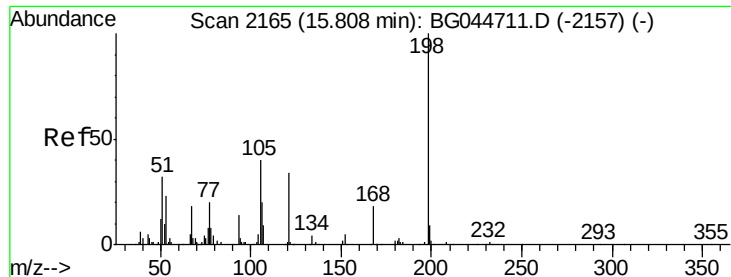


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 7.75 ng

RT: 15.59 min Scan# 2128

Delta R.T. -0.21 min

Lab File: BG044961.D

Acq: 7 Apr 2020 19:01

Instrument :

BNA_G

ClientSampleId :

TP-54-53-COMP

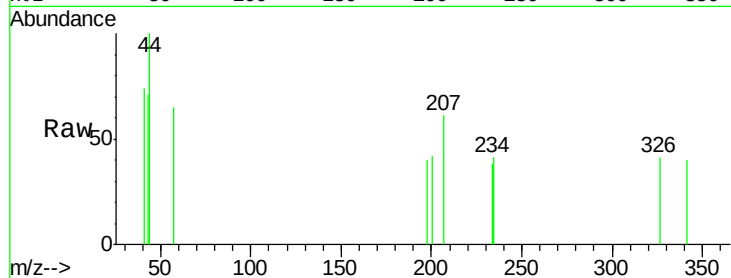
Tgt Ion:198 Resp: 59

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

105 0.0 24.5 64.5#

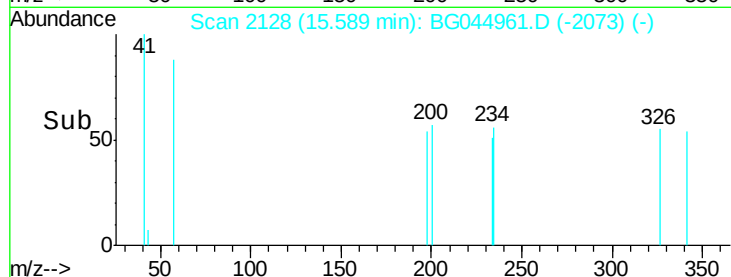


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

Time-->

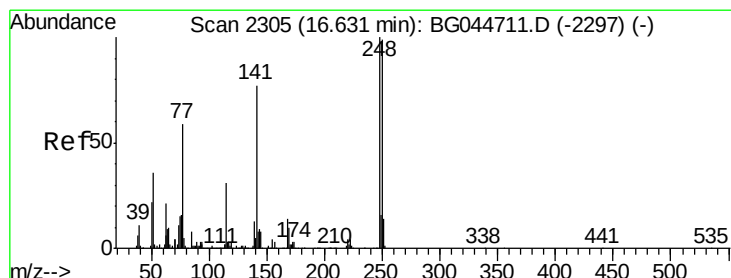


Abundance

Time-->

15.59

15.60



#67

4-Bromophenyl-phenylether

Concen: 4.33 ng

RT: 16.16 min Scan# 2226

Delta R.T. -0.45 min

Lab File: BG044961.D

Acq: 7 Apr 2020 19:01

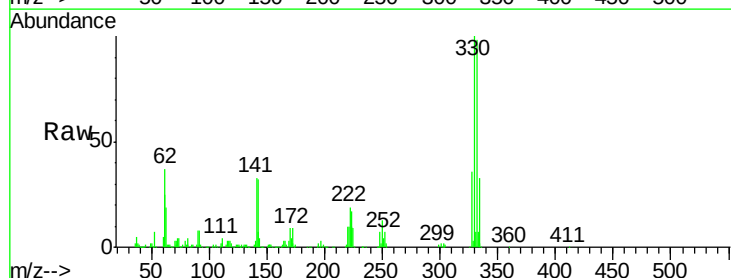
Tgt Ion:248 Resp: 27844

Ion Ratio Lower Upper

248 100

250 176.0 77.9 116.9#

141 443.5 57.5 86.3#

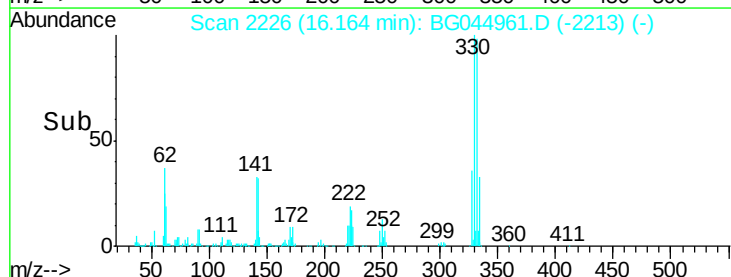


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->

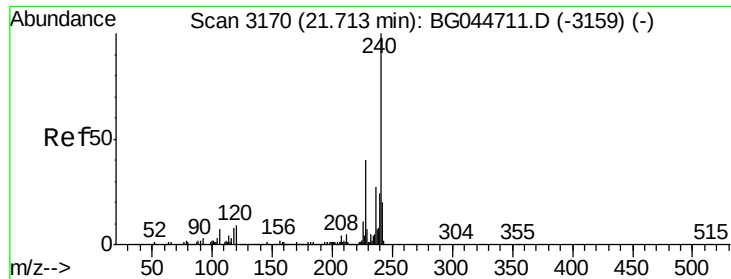


Abundance

Time-->

16.16

16.20



#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.69 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG044961.D

Acq: 7 Apr 2020 19:01

Instrument :

BNA_G

ClientSampleId :

TP-54-53-COMP

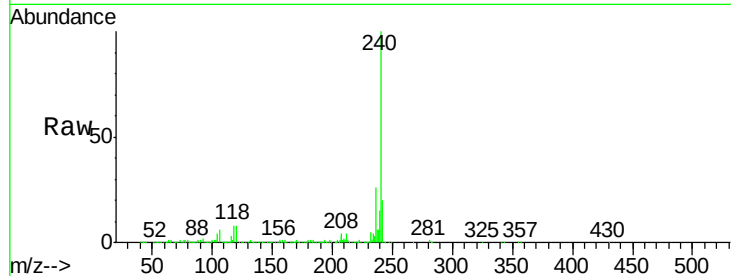
Tgt Ion:240 Resp: 515351

Ion Ratio Lower Upper

240 100

120 7.7 6.7 10.1

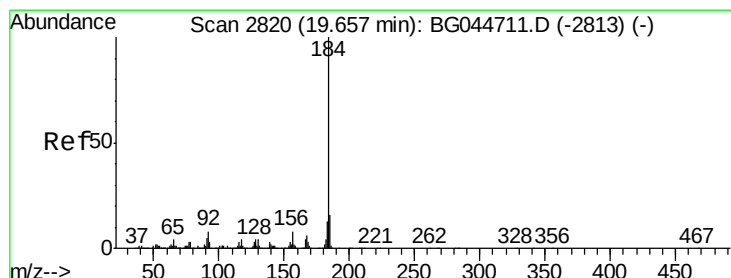
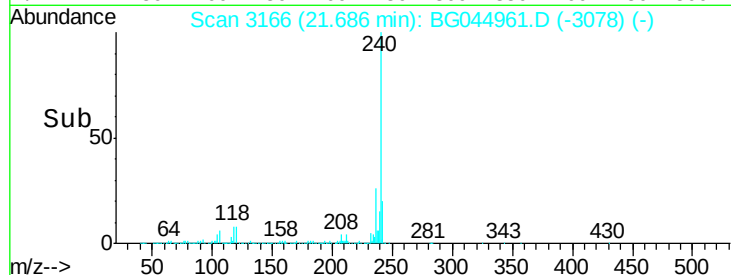
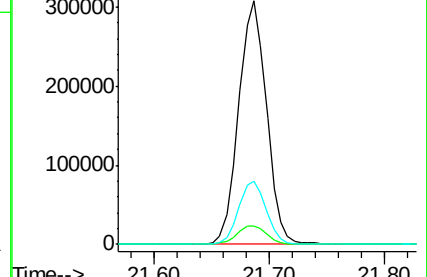
236 26.1 21.5 32.3



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



#77

Benzidine

Concen: 2.88 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.38 min

Lab File: BG044961.D

Acq: 7 Apr 2020 19:01

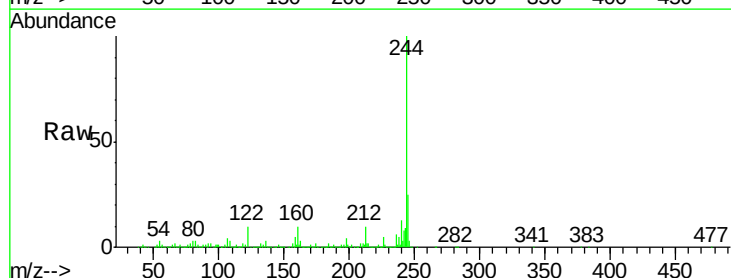
Tgt Ion:184 Resp: 48217

Ion Ratio Lower Upper

184 100

185 14.1 12.2 18.4

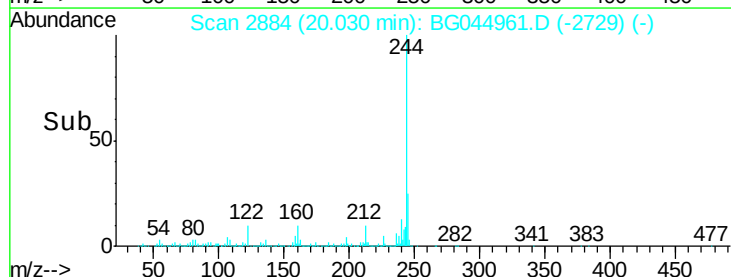
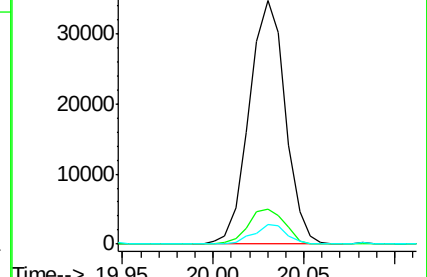
183 7.8 10.7 16.1#

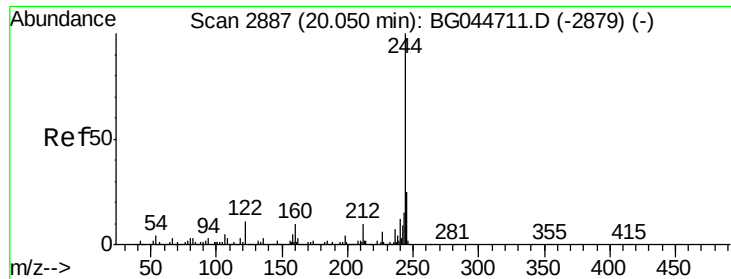


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 88.38 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG044961.D

Acq: 7 Apr 2020 19:01

Instrument :

BNA_G

ClientSampleId :

TP-54-53-COMP

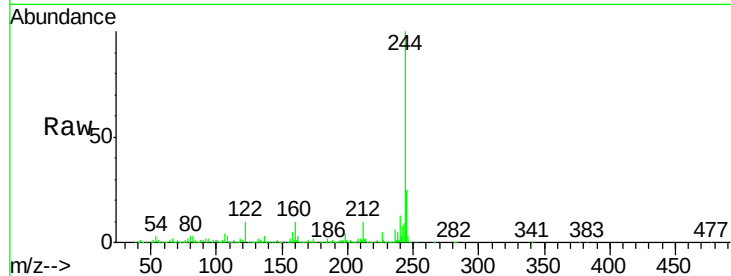
Tgt Ion:244 Resp: 2434940

Ion Ratio Lower Upper

244 100

212 10.4 7.7 11.5

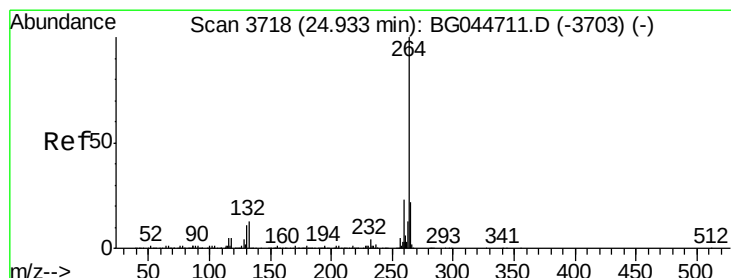
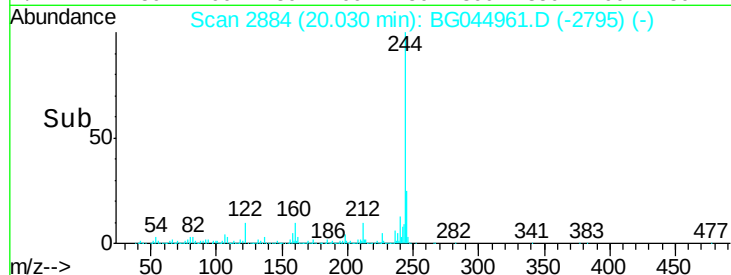
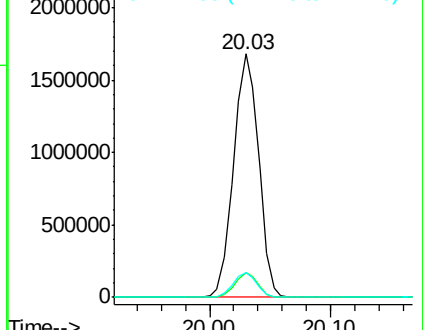
122 10.1 8.6 12.8



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



#87

Perylene-d12

Concen: 20.00 ng

RT: 24.89 min Scan# 3711

Delta R.T. -0.02 min

Lab File: BG044961.D

Acq: 7 Apr 2020 19:01

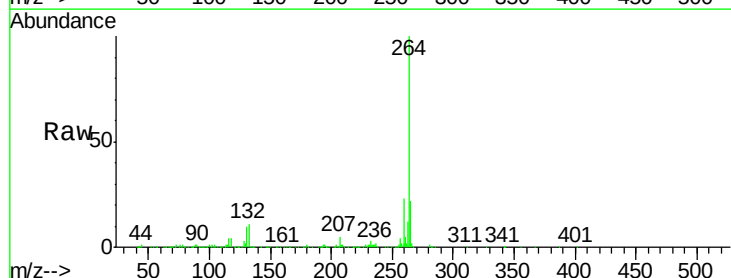
Tgt Ion:264 Resp: 553775

Ion Ratio Lower Upper

264 100

260 22.6 18.1 27.1

265 22.1 17.1 25.7



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

