

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044863.D
 Acq On : 18 Mar 2020 12:56
 Operator : CG/JU
 Sample : L1942-19
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 18 15:43:01 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 16 17:37:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	87989	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	337355	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	232383	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	541257	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	492658	20.00	ng	-0.02
87) Perylene-d12	24.89	264	556438	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	622982	110.22	ng	0.00
7) Phenol-d6	7.20	99	790846	96.30	ng	0.00
23) Nitrobenzene-d5	9.20	82	659674	85.81	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	435721	143.20	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1366855	84.23	ng	0.00
79) Terphenyl-d14	20.03	244	2236312	84.91	ng	0.00

Target Compounds

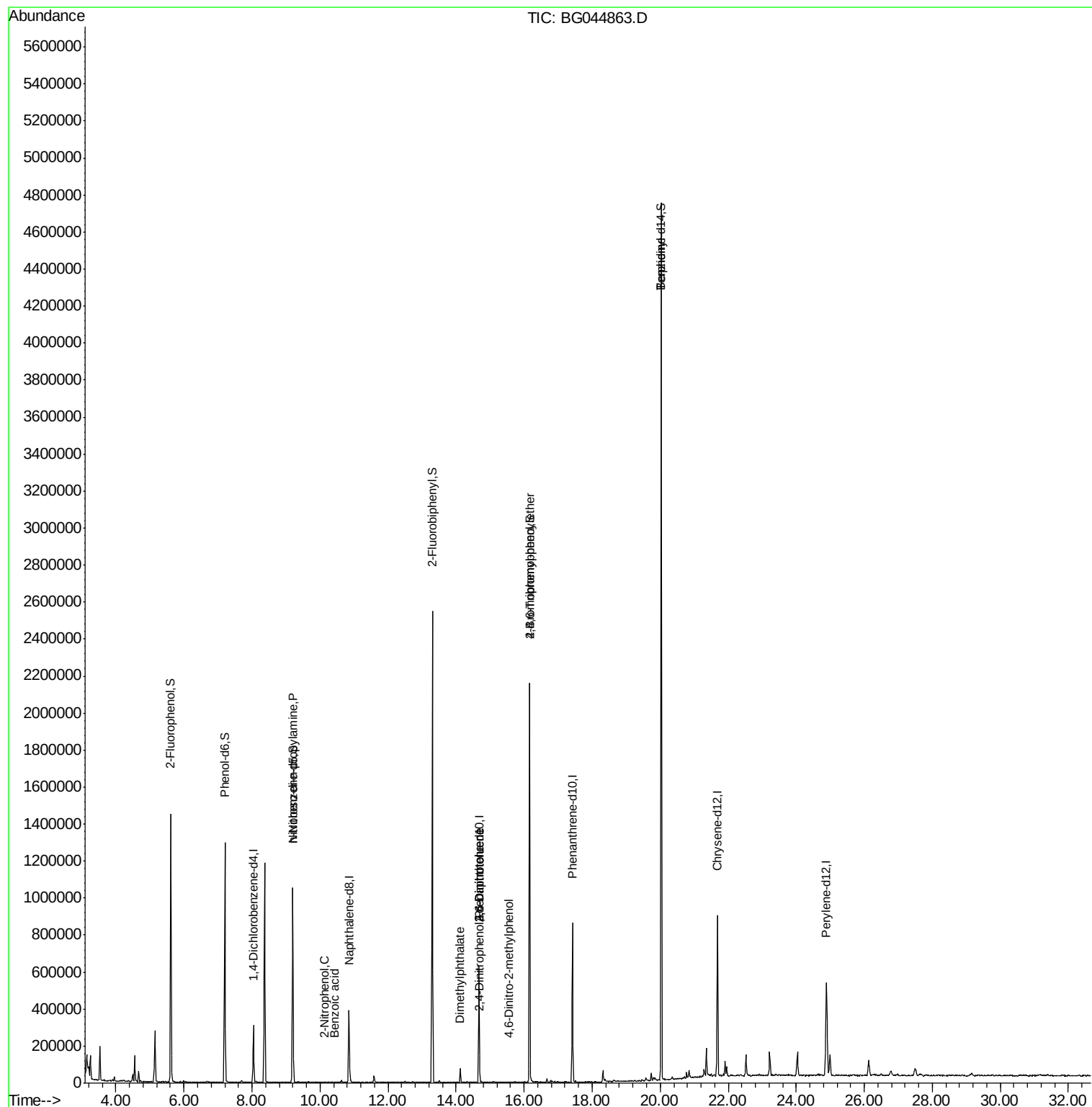
						Qvalue
9) Benzaldehyde	7.14	77	124	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	9.20	70	90368	15.584	ng	# 75
26) 2-Nitrophenol	10.13	139	58	5.534	ng	# 28
32) Benzoic acid	10.43	122	55	9.681	ng	# 60
50) Dimethylphthalate	14.12	163	52923	2.859	ng	# 93
51) 2,6-Dinitrotoluene	14.67	165	30726	8.236	ng	# 23
54) 2,4-Dinitrophenol	14.70	184	57	8.349	ng	# 11
57) 2,4-Dinitrotoluene	14.67	165	30726	6.005	ng	# 23
65) 4,6-Dinitro-2-methylphenol	15.56	198	55	7.746	ng	# 33
67) 4-Bromophenyl-phenylether	16.16	248	30897	4.566	ng	# 1
77) Benzidine	20.03	184	45169	2.824	ng	# 90

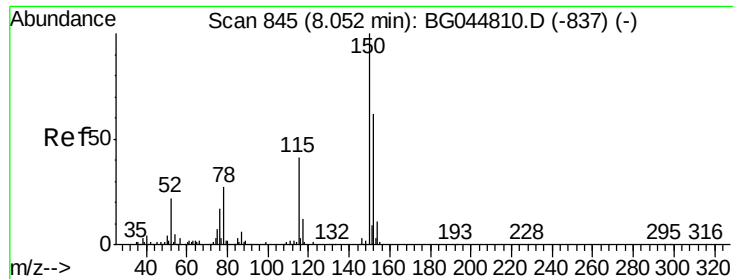
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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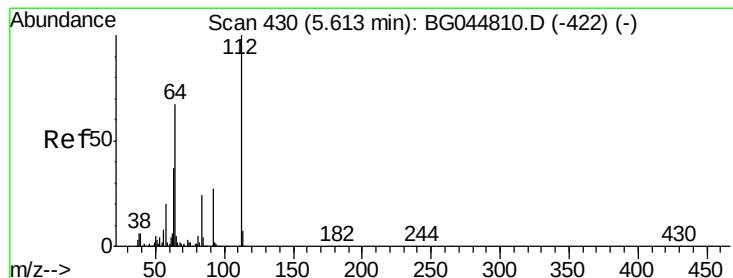
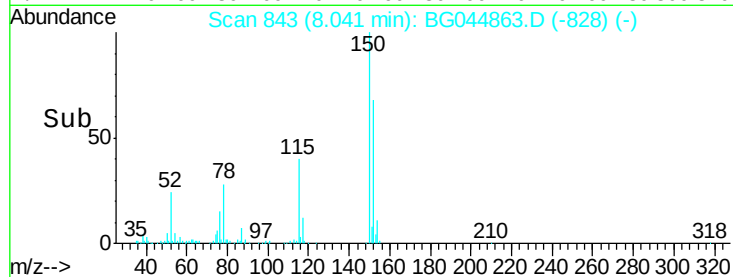
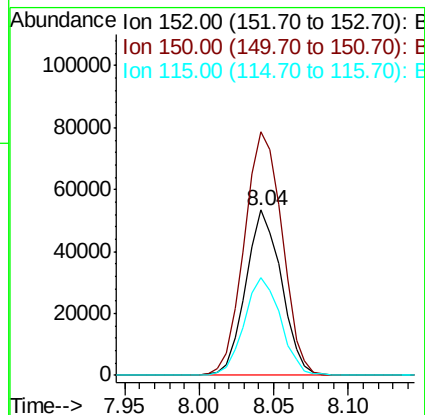
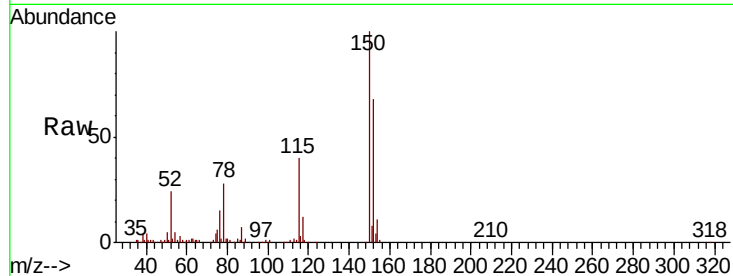


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG044863.D
Acq: 18 Mar 2020 12:56

Instrument :
BNA_G
ClientSampleId :

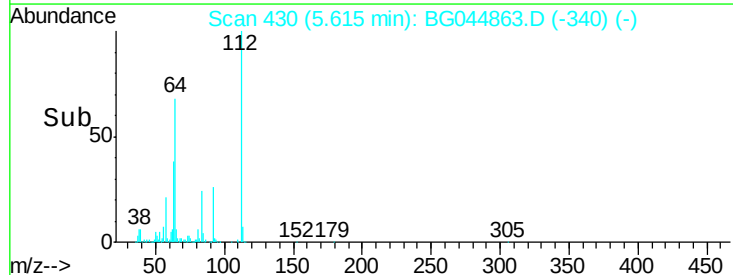
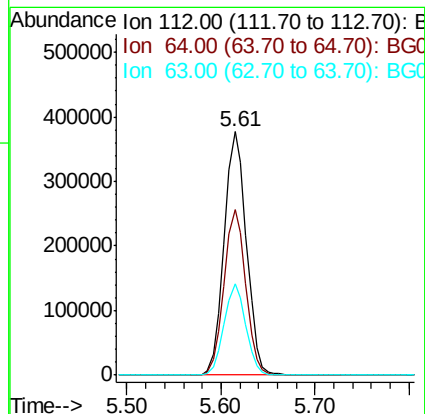
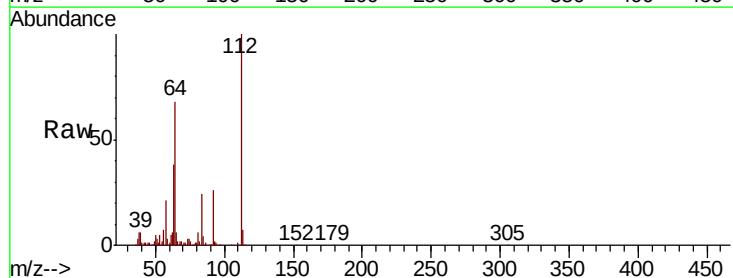
Tot Ion	Ratio	Lower	Upper
152	100		
150	147.6	128.8	193.2
115	59.4	52.6	79.0

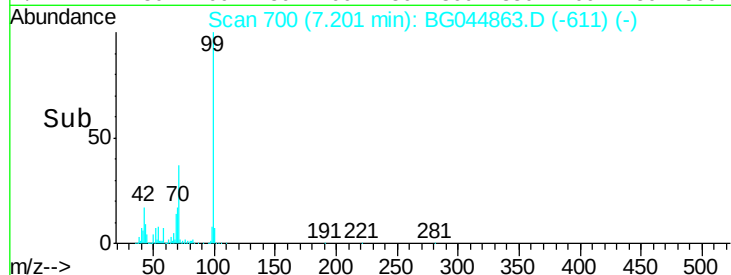
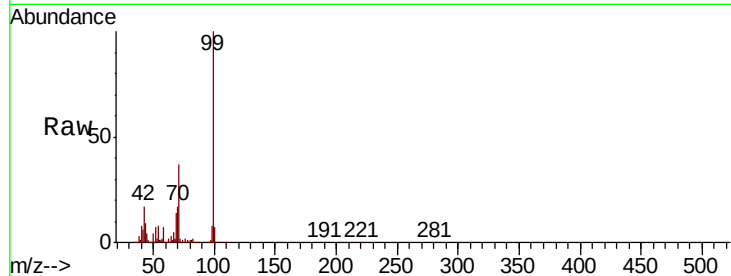
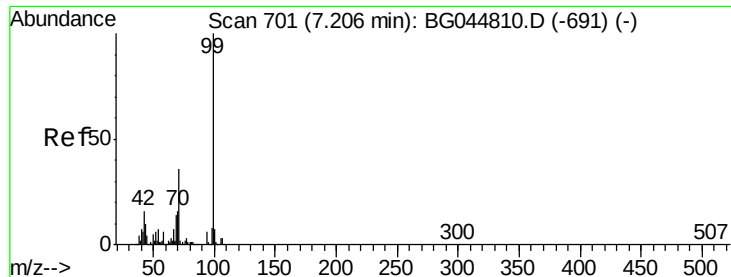


#5

2-Fluorophenol
Concen: 110.217 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG044863.D
Acq: 18 Mar 2020 12:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.9	53.4	80.2
63	37.8	29.4	44.2





#7

Phenol-d6

Concen: 96.299 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044863.D

Acq: 18 Mar 2020 12:56

Instrument :

BNA_G

ClientSampleId :

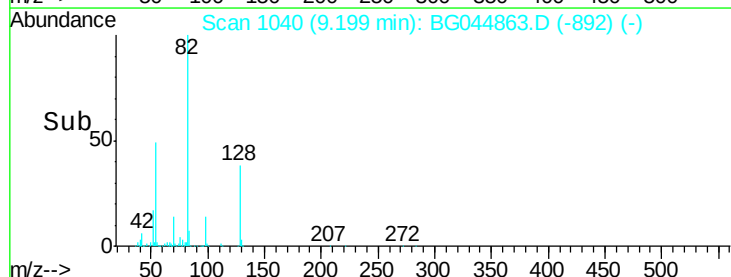
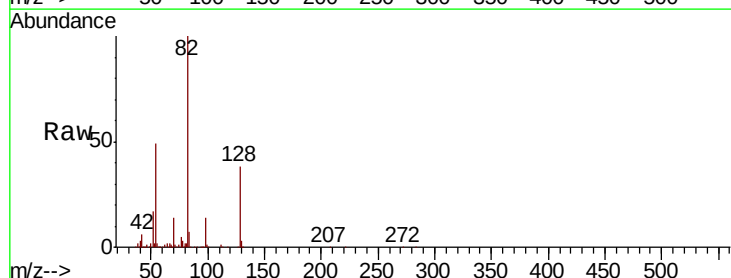
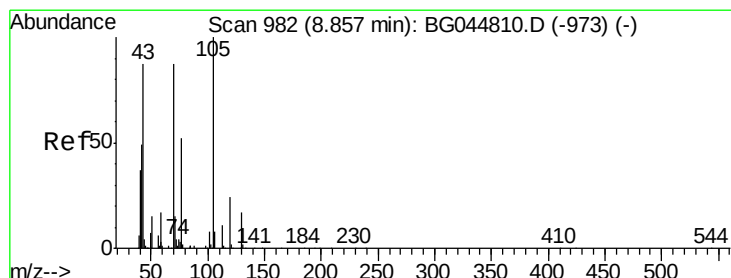
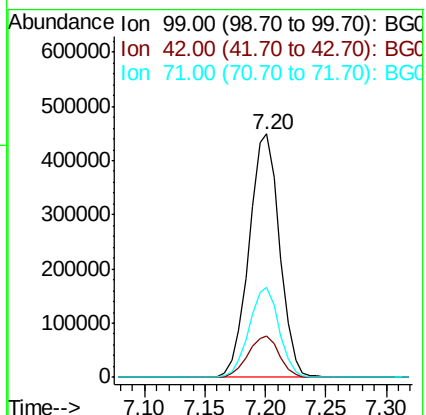
Tot Ion: 99 Resp: 790846

Ion Ratio Lower Upper

99 100

42 16.8 12.6 19.0

71 37.1 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 15.584 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044863.D

Acq: 18 Mar 2020 12:56

Tgt Ion: 70 Resp: 90368

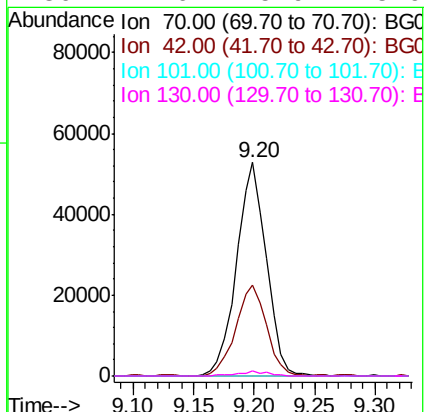
Ion Ratio Lower Upper

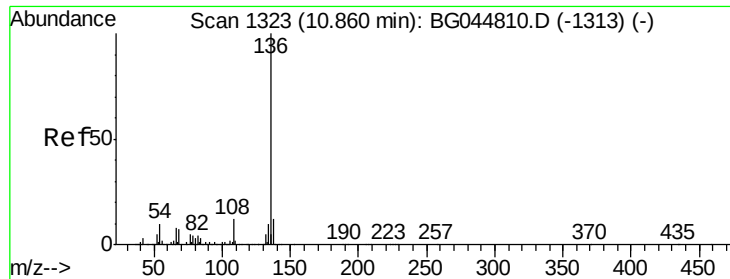
70 100

42 42.4 45.7 68.5#

101 0.0 7.4 11.2#

130 2.6 15.9 23.9#

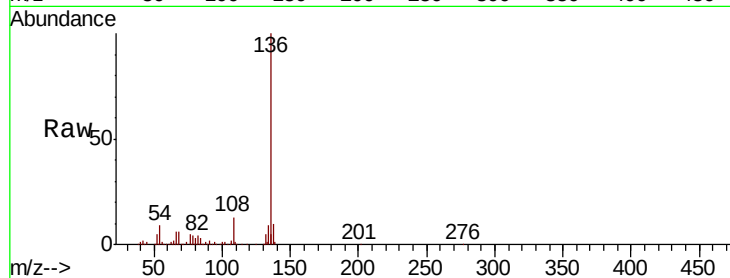




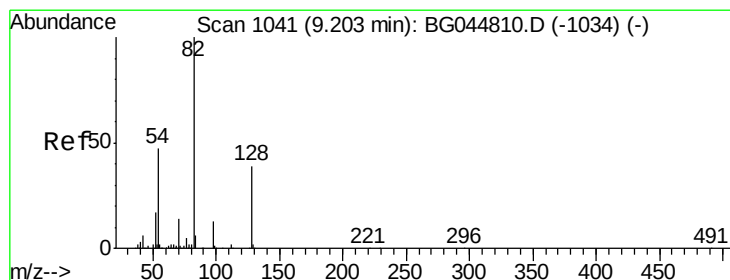
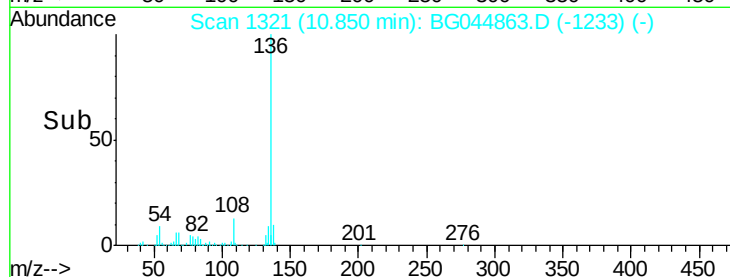
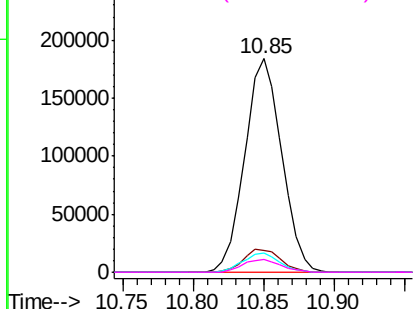
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044863.D
Acq: 18 Mar 2020 12:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	337355
Ion Ratio	Lower	Upper
136	100	
137	10.5	9.8 14.6
54	9.1	7.9 11.9
68	6.0	5.4 8.0

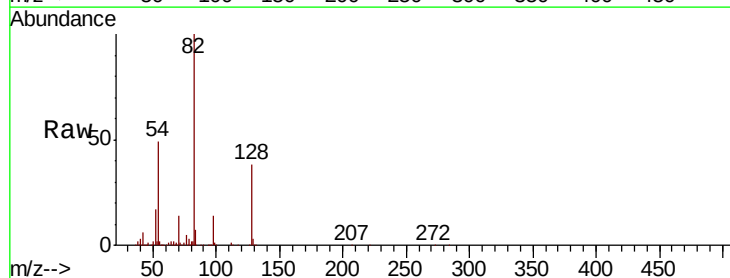


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

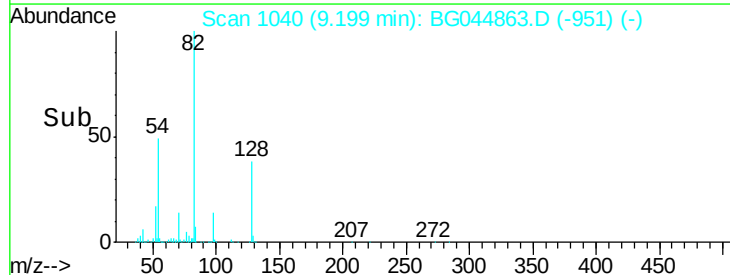
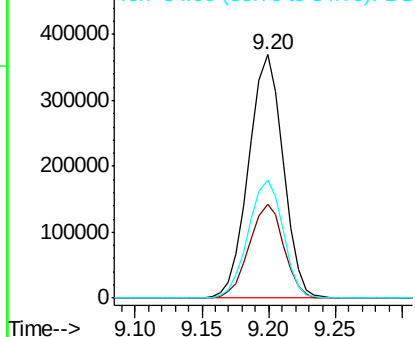


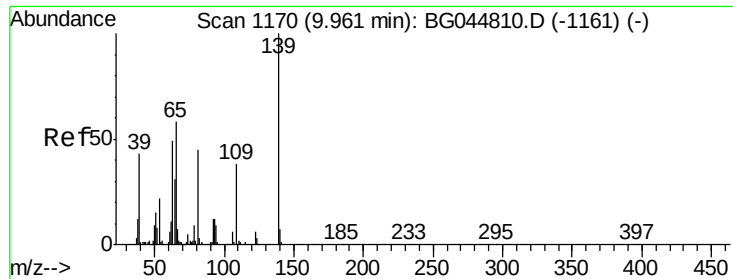
#23
Nitrobenzene-d5
Concen: 85.807 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BG044863.D
Acq: 18 Mar 2020 12:56

Tgt Ion: 82	Resp:	659674
Ion Ratio	Lower	Upper
82	100	
128	38.4	30.6 46.0
54	48.7	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

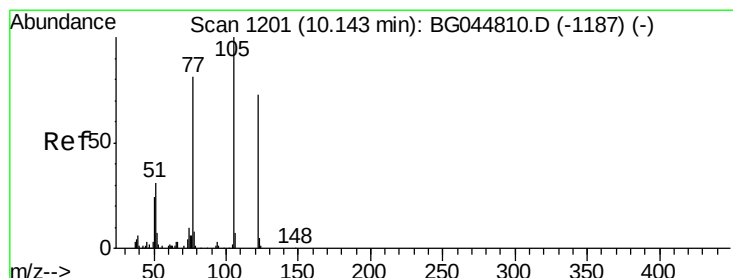
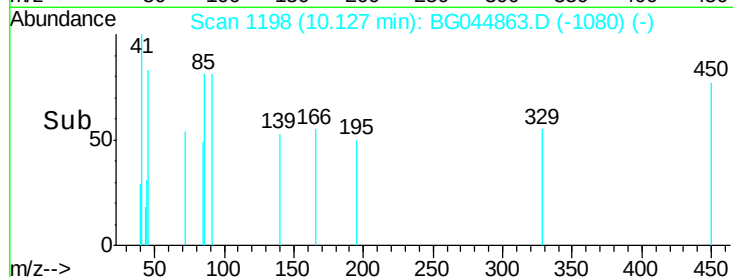
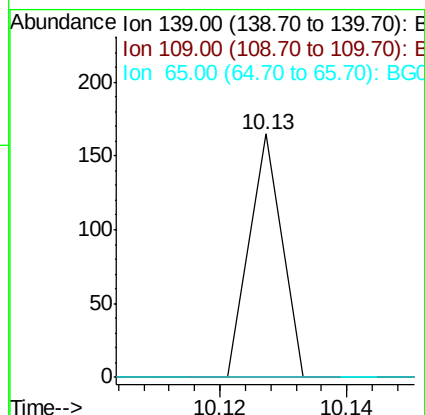
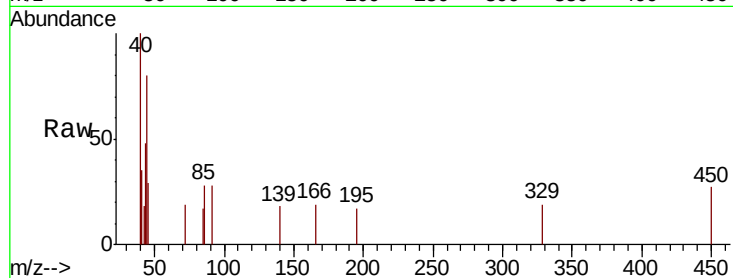




#26
2-Nitrophenol
Concen: 5.534 ng
RT: 10.13 min Scan# 1198
Delta R.T. 0.17 min
Lab File: BG044863.D
Acq: 18 Mar 2020 12:56

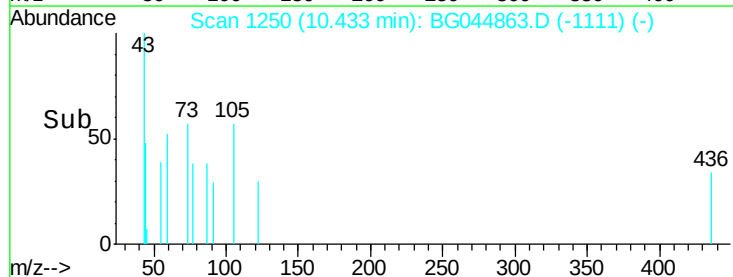
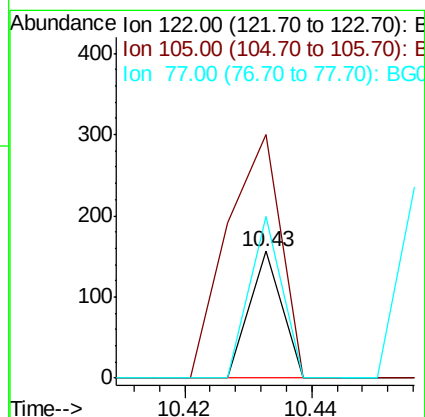
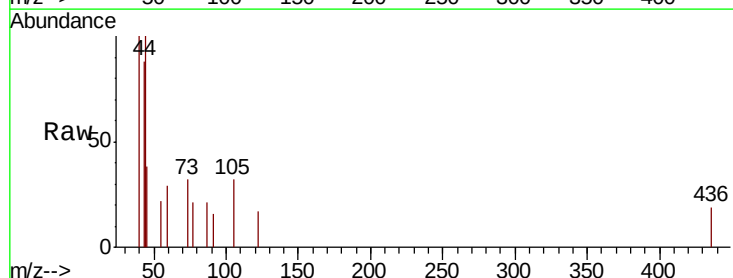
Instrument :
BNA_G
ClientSampleId :

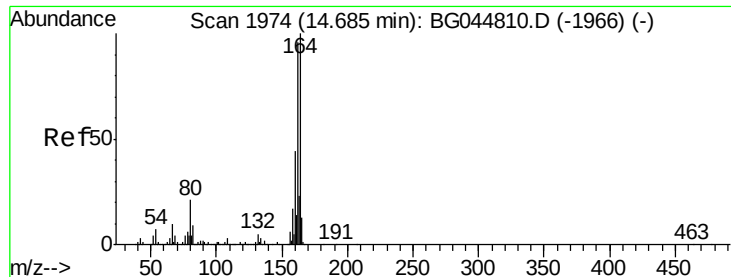
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#



#32
Benzoic acid
Concen: 9.681 ng
RT: 10.43 min Scan# 1250
Delta R.T. 0.29 min
Lab File: BG044863.D
Acq: 18 Mar 2020 12:56

Tgt Ion	Ratio	Lower	Upper
122	100		
105	192.3	109.1	149.1#
77	127.6	85.3	125.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044863.D

Acq: 18 Mar 2020 12:56

Instrument :

BNA_G

ClientSampleId :

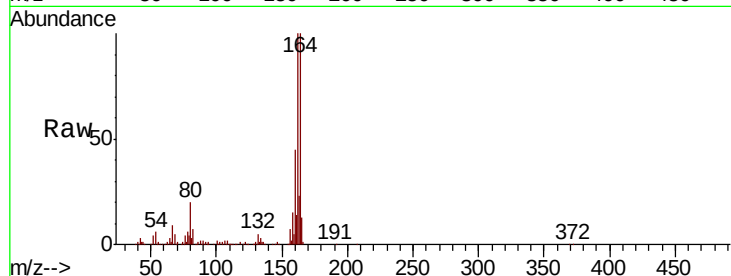
Tot Ion:164 Resp: 232383

Ion Ratio Lower Upper

164 100

162 100.0 76.7 115.1

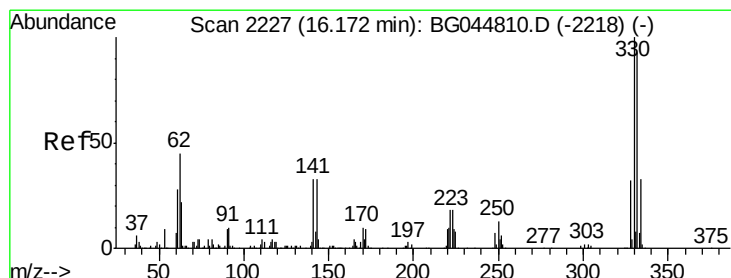
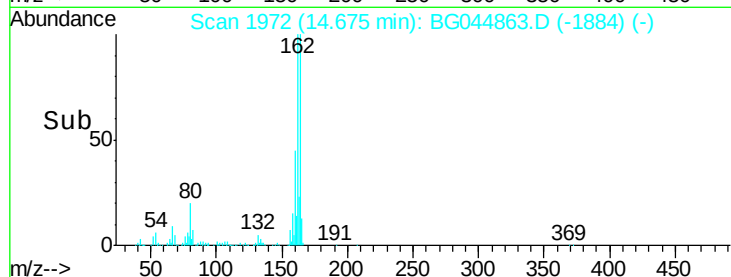
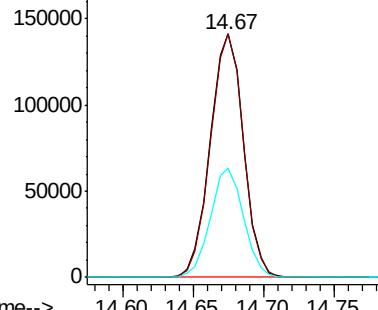
160 45.0 35.0 52.4



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: 143.202 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044863.D

Acq: 18 Mar 2020 12:56

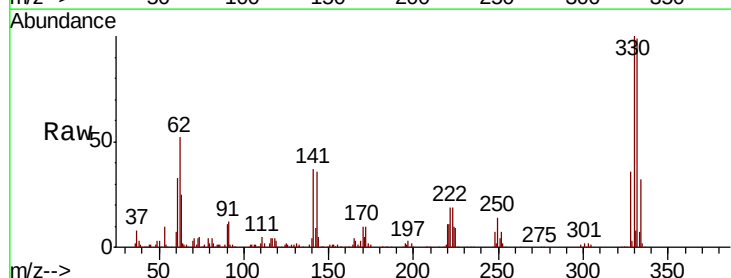
Tgt Ion:330 Resp: 435721

Ion Ratio Lower Upper

330 100

332 96.6 77.8 116.6

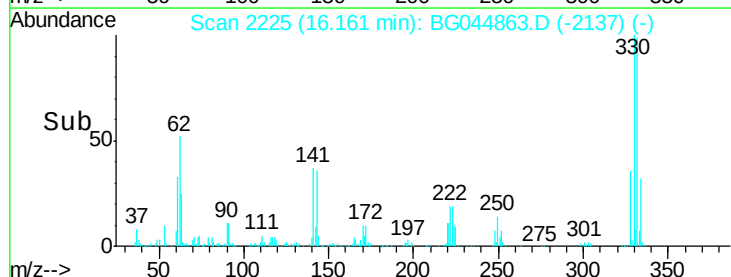
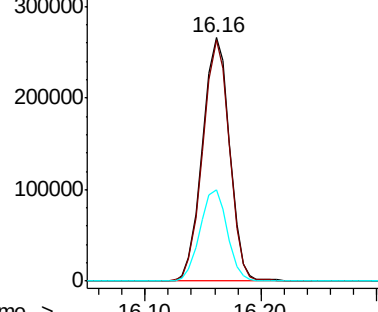
141 37.7 29.5 44.3

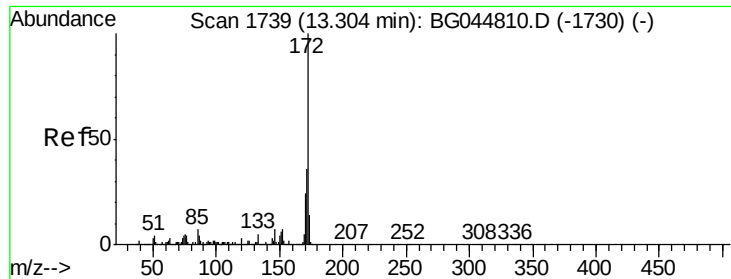


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

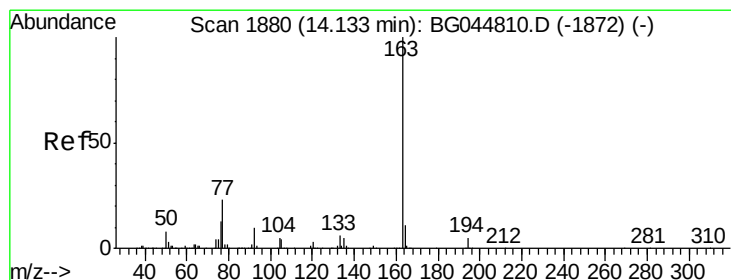
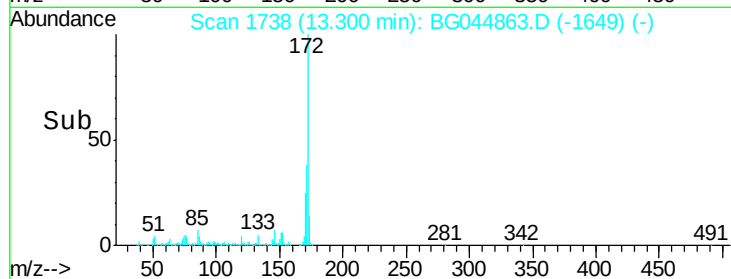
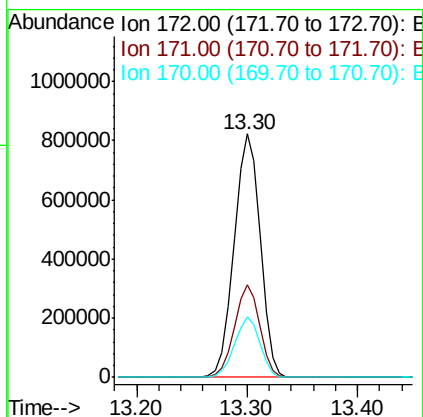
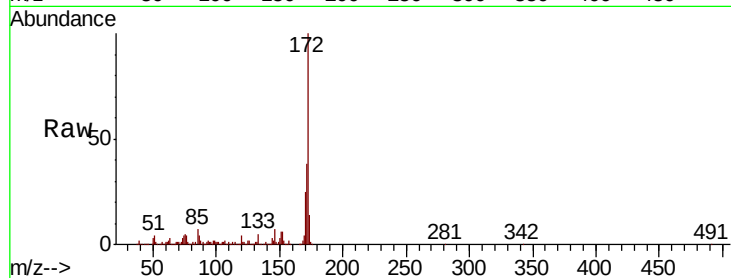




#45
2-Fluorobiphenyl
Concen: 84.231 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.00 min
Lab File: BG044863.D
Acq: 18 Mar 2020 12:56

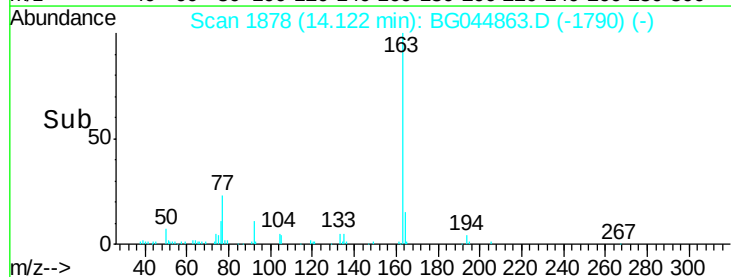
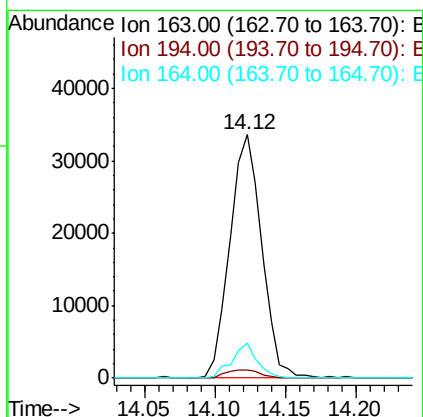
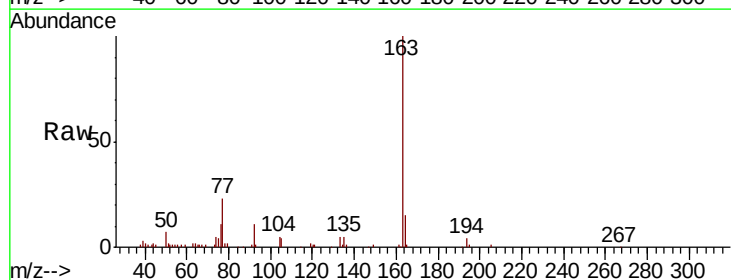
Instrument :
BNA_G
ClientSampleId :

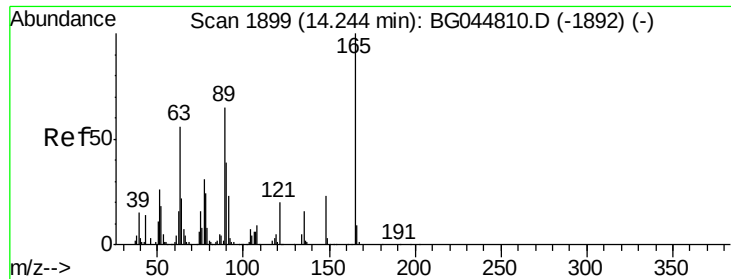
Tot Ion:172 Resp: 1366855
Ion Ratio Lower Upper
172 100
171 38.0 28.7 43.1
170 24.9 19.0 28.6



#50
Dimethylphthalate
Concen: 2.859 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044863.D
Acq: 18 Mar 2020 12:56

Tgt Ion:163 Resp: 52923
Ion Ratio Lower Upper
163 100
194 3.5 3.7 5.5#
164 14.6 9.1 13.7#





#51

2,6-Dinitrotoluene

Concen: 8.236 ng

RT: 14.67 min Scan# 1972

Delta R.T. 0.43 min

Lab File: BG044863.D

Acq: 18 Mar 2020 12:56

Instrument :

BNA_G

ClientSampled :

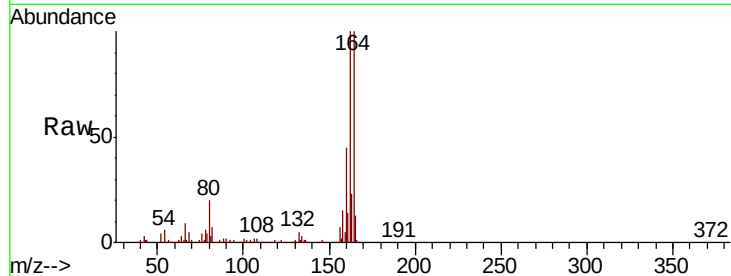
Tot Ion:165 Resp: 30726

Ion Ratio Lower Upper

165 100

63 1.6 45.8 68.8#

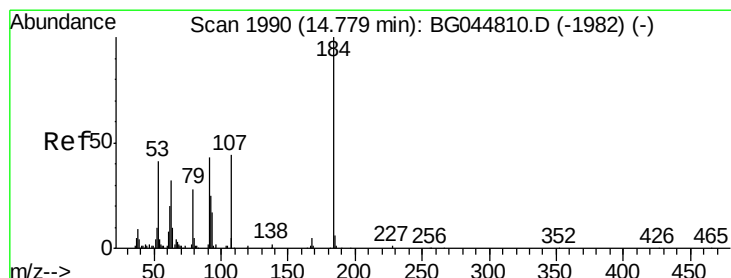
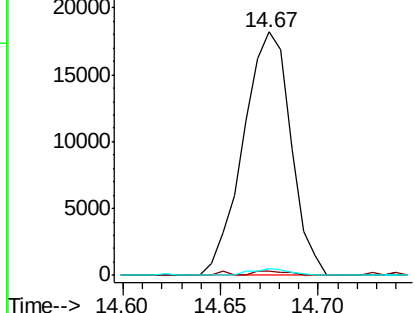
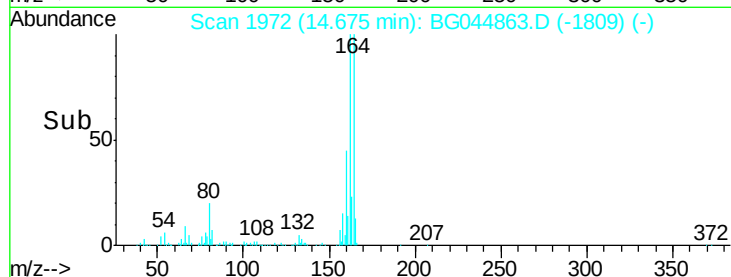
89 2.6 51.8 77.6#



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



#54

2,4-Dinitrophenol

Concen: 8.349 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.08 min

Lab File: BG044863.D

Acq: 18 Mar 2020 12:56

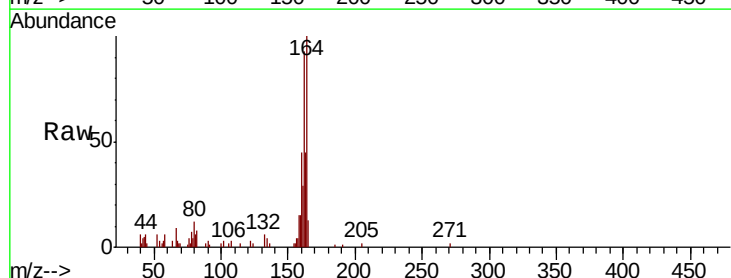
Tgt Ion:184 Resp: 57

Ion Ratio Lower Upper

184 100

63 0.0 45.5 68.3#

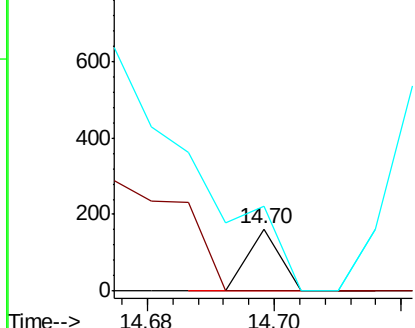
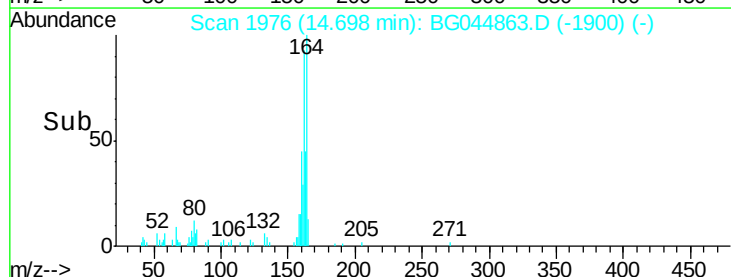
154 137.7 49.1 73.7#

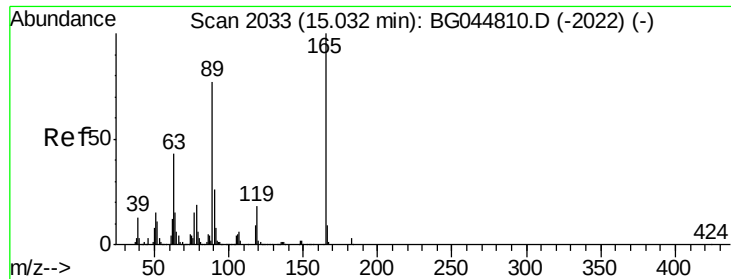


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

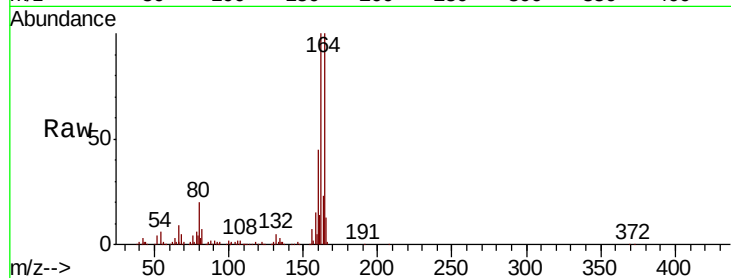




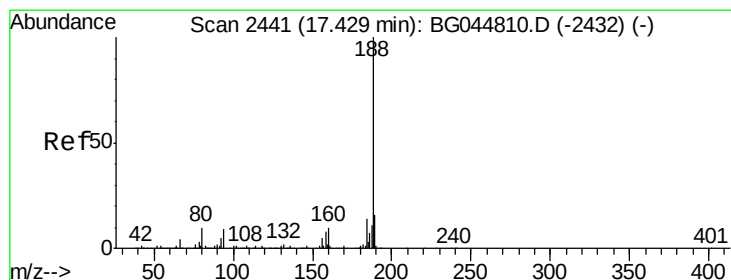
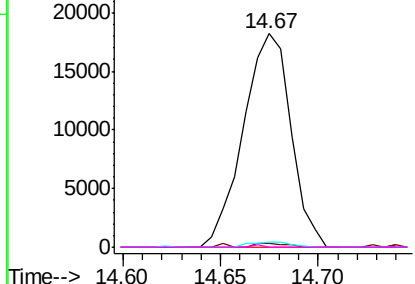
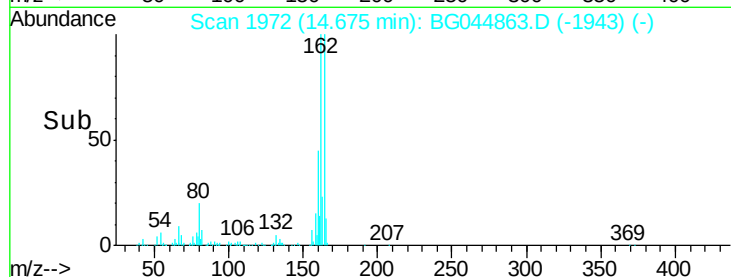
#57
 2,4-Dinitrotoluene
 Concen: 6.005 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.36 min
 Lab File: BG044863.D
 Acq: 18 Mar 2020 12:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 30726
 Ion Ratio Lower Upper
 165 100
 63 1.6 34.6 52.0#
 89 2.6 61.3 91.9#
 182 0.0 2.2 3.2#

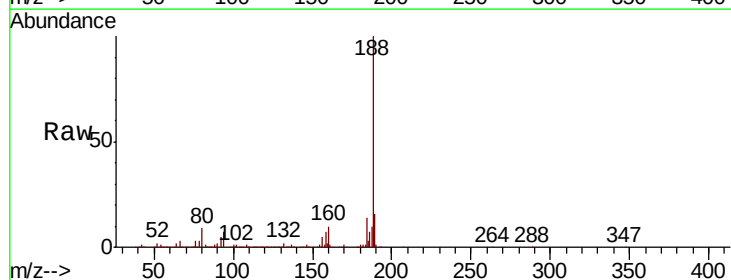


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

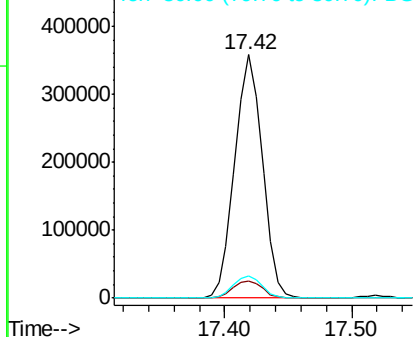
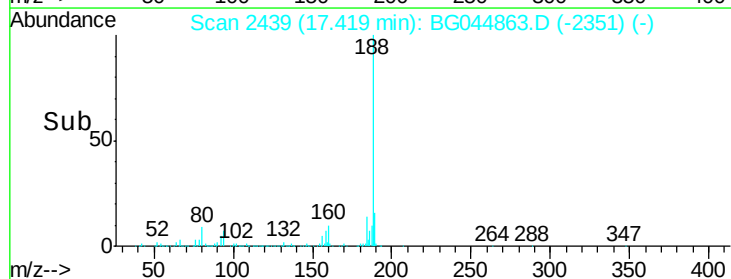


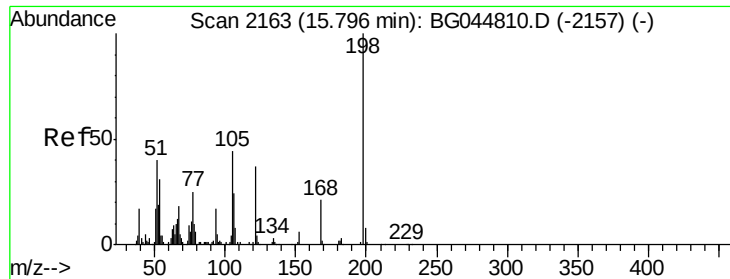
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.01 min
 Lab File: BG044863.D
 Acq: 18 Mar 2020 12:56

Tgt Ion:188 Resp: 541257
 Ion Ratio Lower Upper
 188 100
 94 7.2 7.3 10.9#
 80 9.0 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

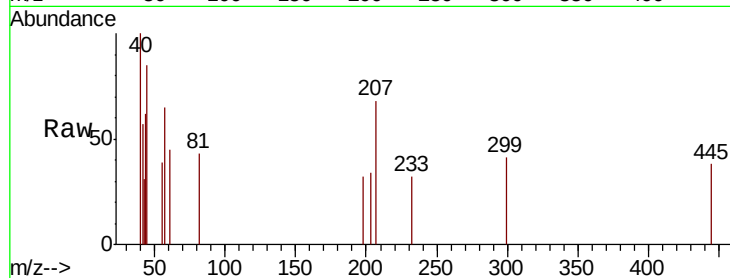




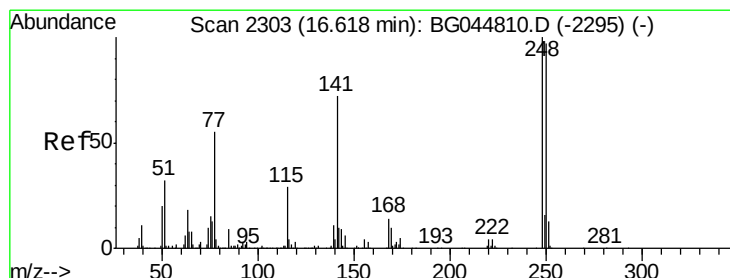
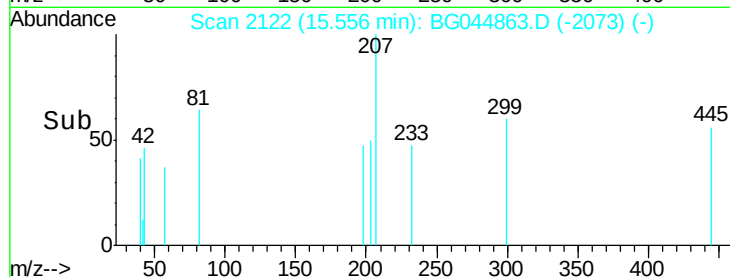
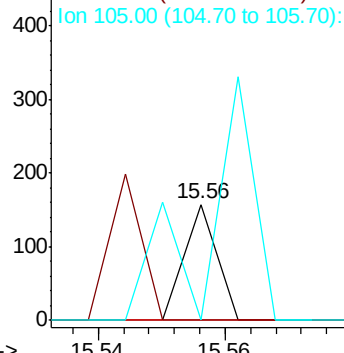
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.746 ng
 RT: 15.56 min Scan# 2122
 Delta R.T. -0.24 min
 Lab File: BG044863.D
 Acq: 18 Mar 2020 12:56

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
198	100		
51	0.0	21.1	61.1#
105	0.0	24.5	64.5#

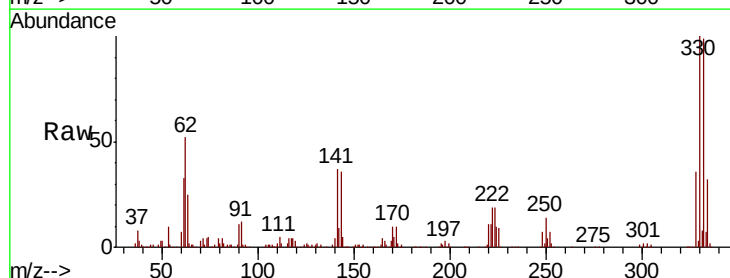


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

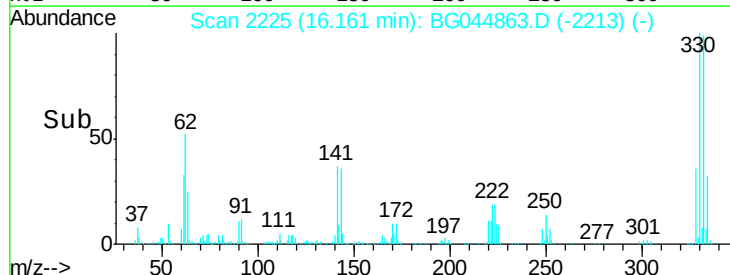
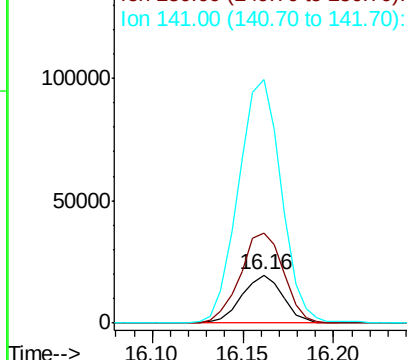


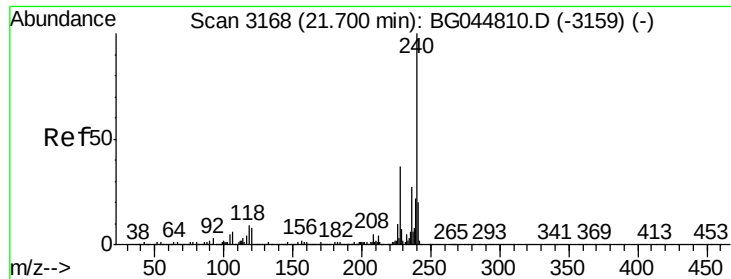
#67
 4-Bromophenyl-phenylether
 Concen: 4.566 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044863.D
 Acq: 18 Mar 2020 12:56

Tgt Ion	Ratio	Lower	Upper
248	100		
250	187.0	77.9	116.9#
141	508.5	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

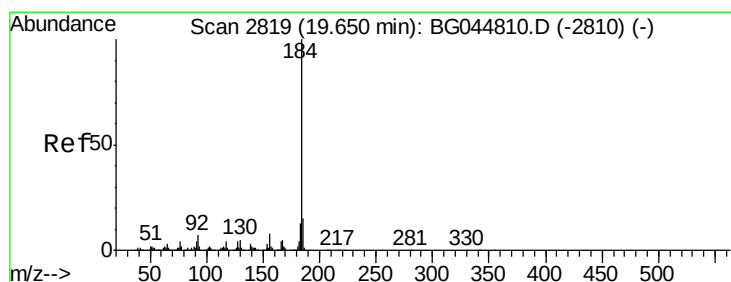
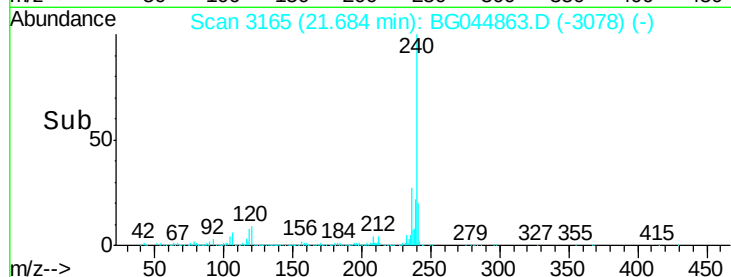
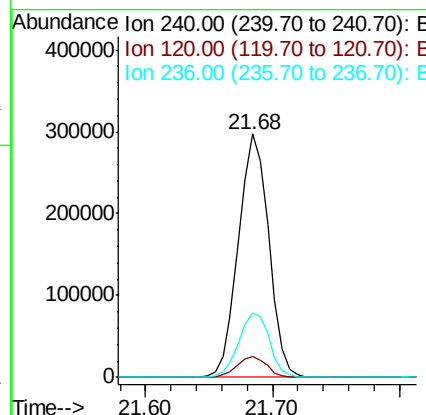
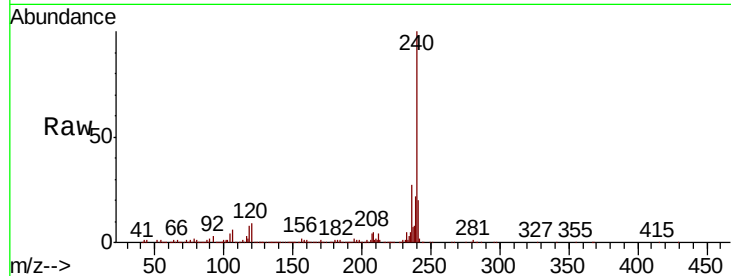




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.02 min
Lab File: BG044863.D
Acq: 18 Mar 2020 12:56

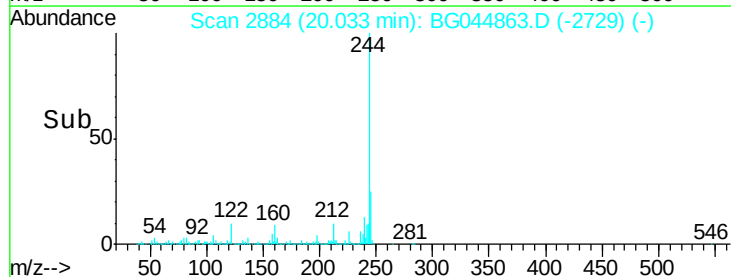
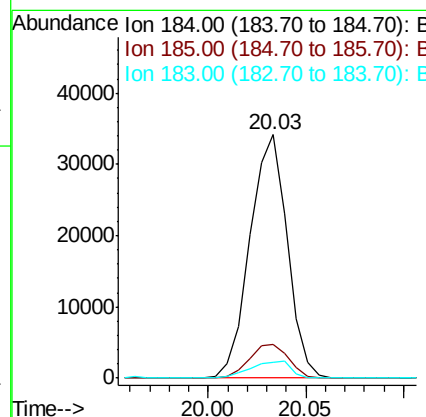
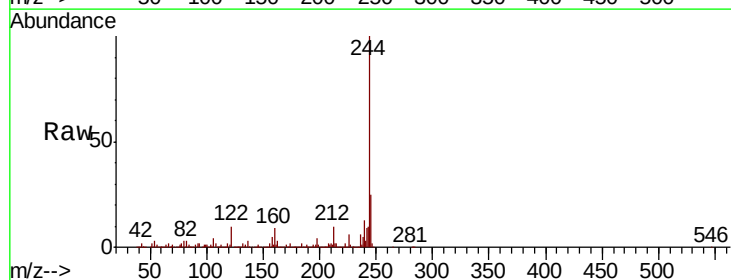
Instrument :
BNA_G
ClientSampleId :

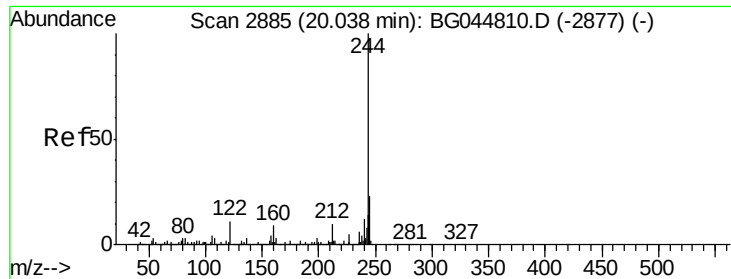
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.8	6.7	10.1
236	26.7	21.5	32.3



#77
Benzidine
Concen: 2.824 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.38 min
Lab File: BG044863.D
Acq: 18 Mar 2020 12:56

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.1	12.2	18.4
183	6.3	10.7	16.1#





#79

Terphenyl-d14

Concen: 84.909 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044863.D

Acq: 18 Mar 2020 12:56

Instrument :

BNA_G

ClientSampleId :

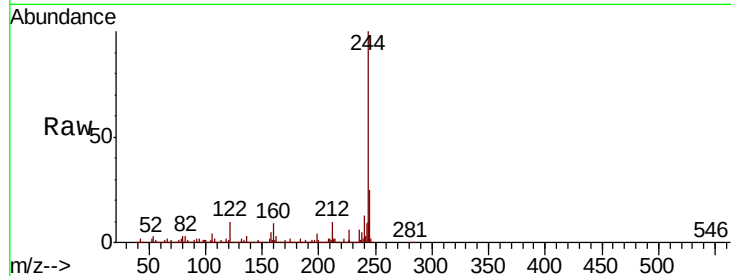
Tot Ion:244 Resp: 2236312

Ion Ratio Lower Upper

244 100

212 10.0 7.7 11.5

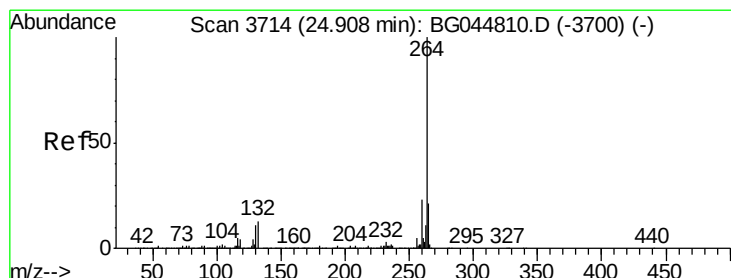
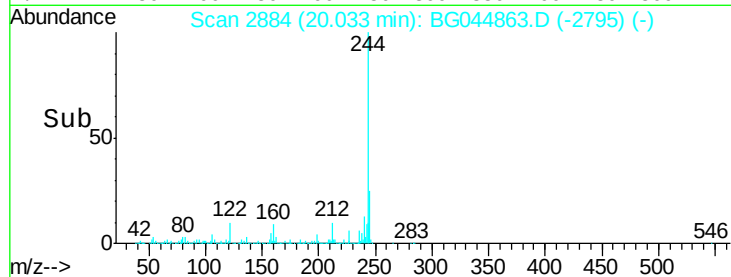
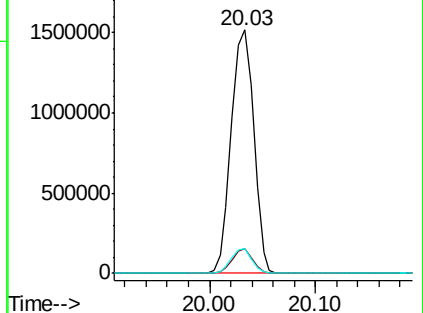
122 10.2 8.6 12.8



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: 20.000 ng

RT: 24.89 min Scan# 3710

Delta R.T. -0.02 min

Lab File: BG044863.D

Acq: 18 Mar 2020 12:56

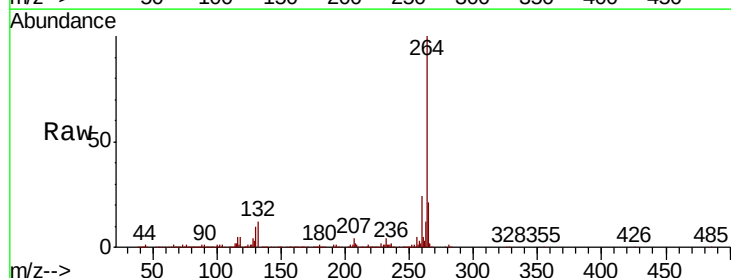
Tgt Ion:264 Resp: 556438

Ion Ratio Lower Upper

264 100

260 23.7 18.1 27.1

265 21.3 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

