

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044847.D
 Acq On : 18 Mar 2020 00:28
 Operator : CG/JU
 Sample : L1893-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 18 11:46:48 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	100937	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	378284	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	257433	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	576671	20.00	ng	0.00
76) Chrysene-d12	21.69	240	510078	20.00	ng	-0.01
87) Perylene-d12	24.90	264	571645	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.62	112	678898	104.70	ng	0.00
7) Phenol-d6	7.20	99	856323	90.90	ng	0.00
23) Nitrobenzene-d5	9.20	82	707489	82.07	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	468497	138.99	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1488523	82.80	ng	0.00
79) Terphenyl-d14	20.04	244	2355240	86.37	ng	0.00

Target Compounds

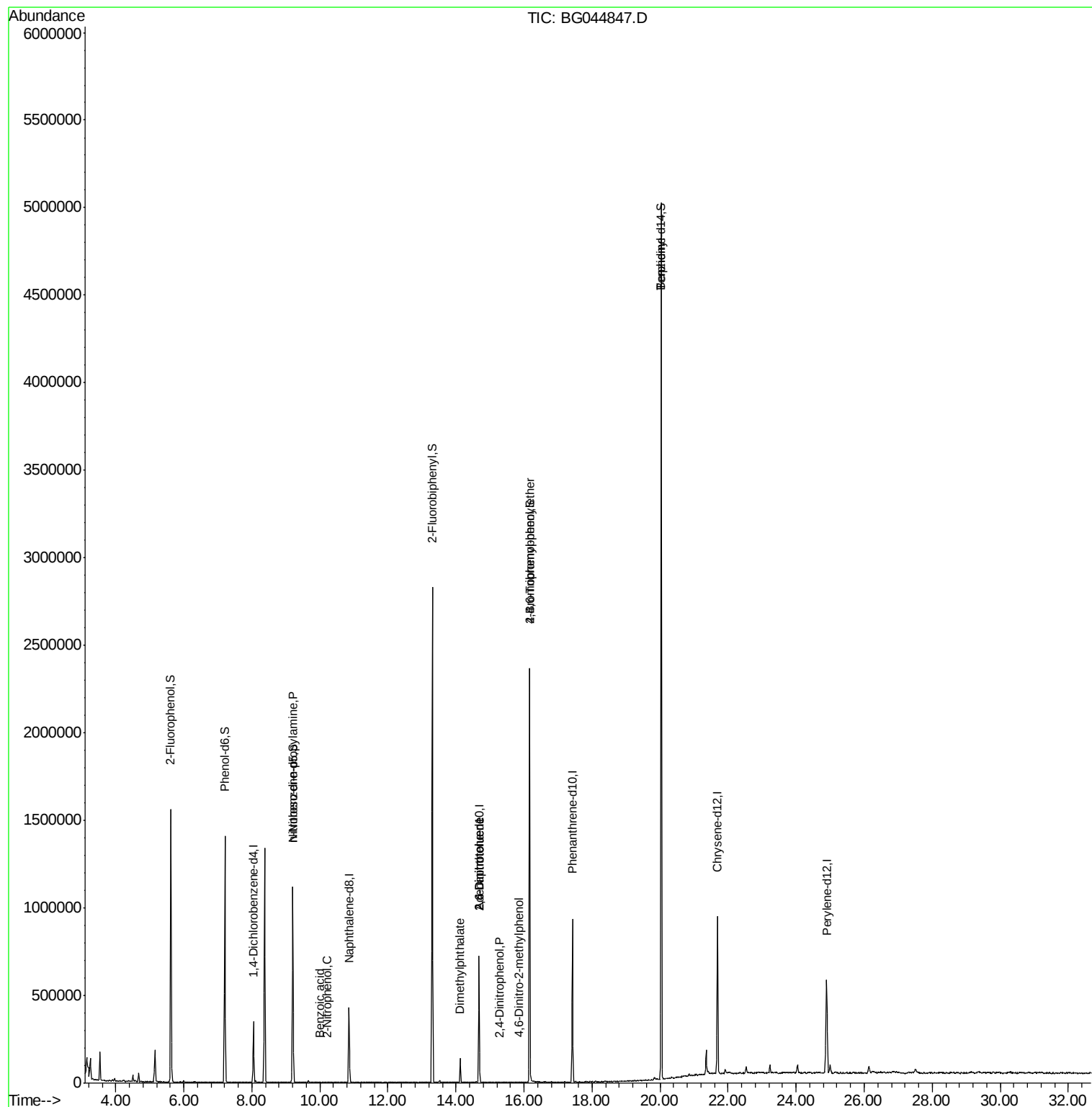
						Qvalue
9) Benzaldehyde	7.15	77	70	Below Cal	#	6
19) n-Nitroso-di-n-propylamine	9.20	70	97678	14.684 ng	#	73
26) 2-Nitrophenol	10.20	139	80	5.538 ng	#	28
32) Benzoic acid	9.98	122	57	9.680 ng	#	35
50) Dimethylphthalate	14.13	163	94605	4.614 ng		97
51) 2,6-Dinitrotoluene	14.68	165	34854	8.433 ng	#	22
54) 2,4-Dinitrophenol	15.27	184	66	8.350 ng	#	21
57) 2,4-Dinitrotoluene	14.68	165	34854	6.149 ng	#	23
65) 4,6-Dinitro-2-methylphenol	15.85	198	60	7.747 ng	#	33
67) 4-Bromophenyl-phenylether	16.16	248	31773	4.407 ng	#	1
77) Benzidine	20.04	184	46147	2.787 ng	#	92

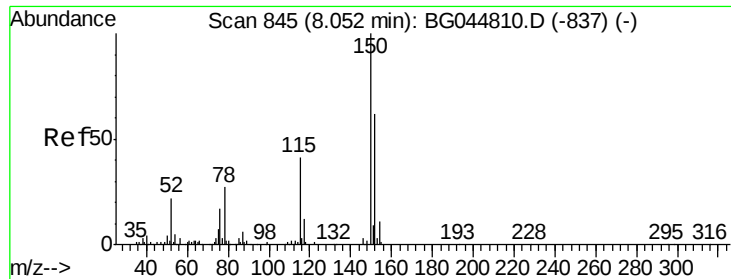
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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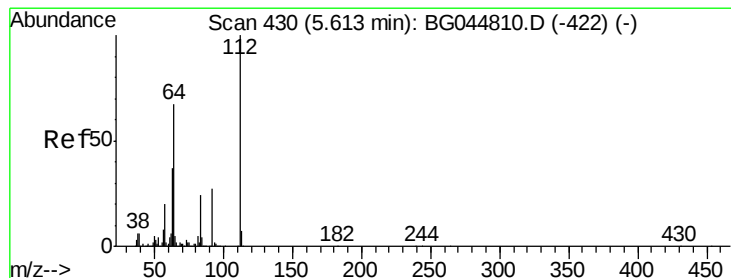
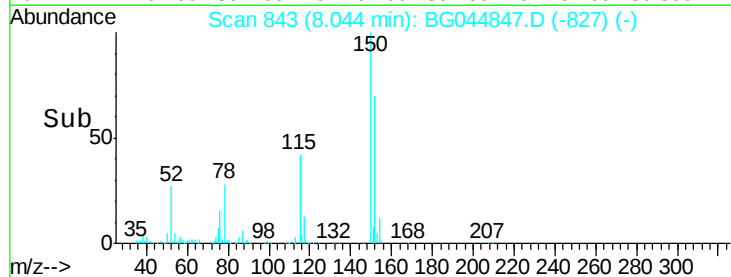
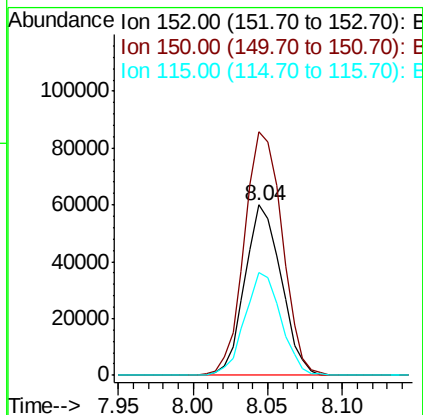
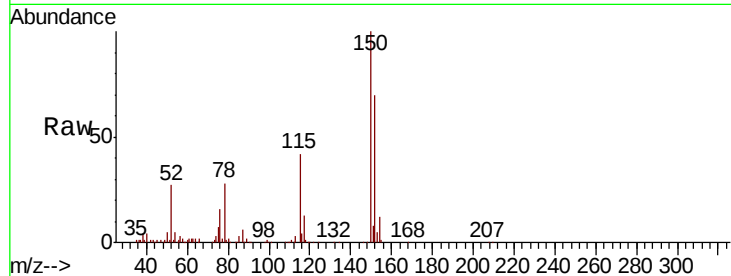


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG044847.D
Acq: 18 Mar 2020 00:28

Instrument :
BNA_G
ClientSampleId :

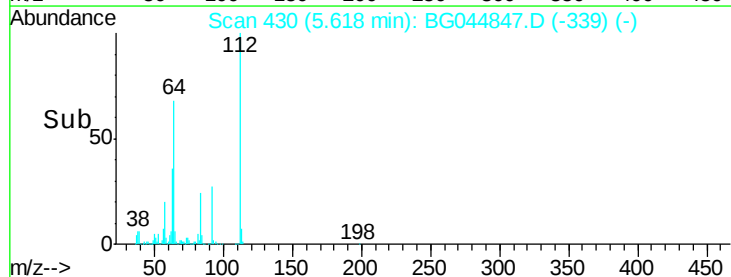
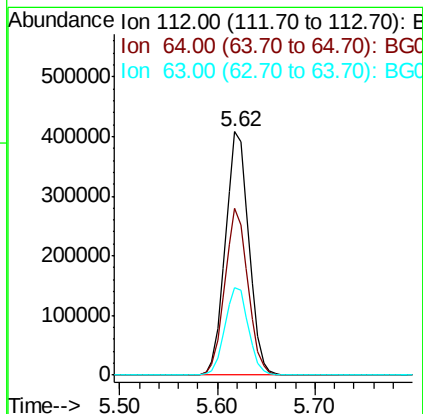
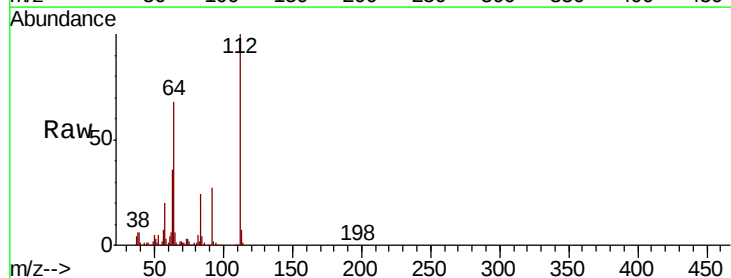
Tot Ion	Ratio	Lower	Upper
152	100		
150	143.0	128.8	193.2
115	60.3	52.6	79.0

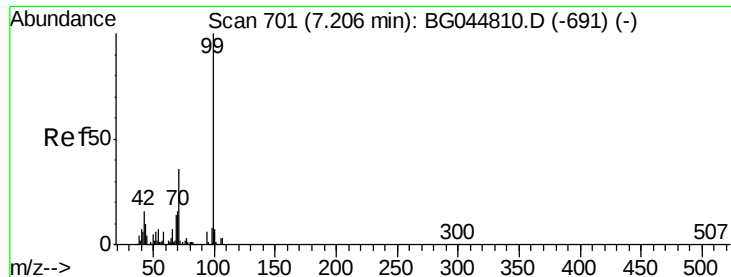


#5

2-Fluorophenol
Concen: 104.702 ng
RT: 5.62 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG044847.D
Acq: 18 Mar 2020 00:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.5	53.4	80.2
63	36.1	29.4	44.2





#7

Phenol-d6

Concen: 90.896 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044847.D

Acq: 18 Mar 2020 00:28

Instrument :

BNA_G

ClientSampleId :

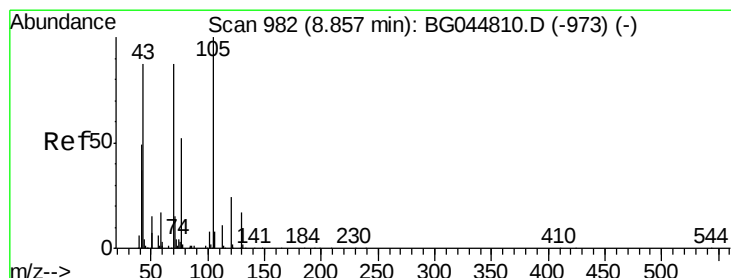
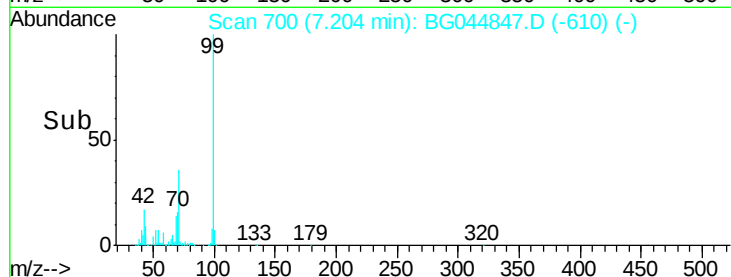
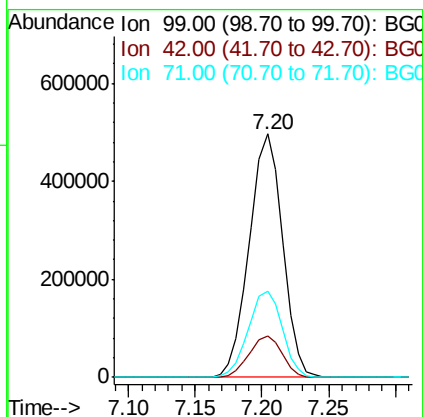
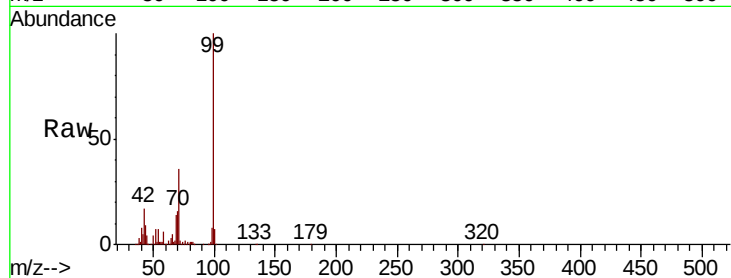
Tot Ion: 99 Resp: 856323

Ion Ratio Lower Upper

99 100

42 17.0 12.6 19.0

71 35.6 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 14.684 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.35 min

Lab File: BG044847.D

Acq: 18 Mar 2020 00:28

Tgt Ion: 70 Resp: 97678

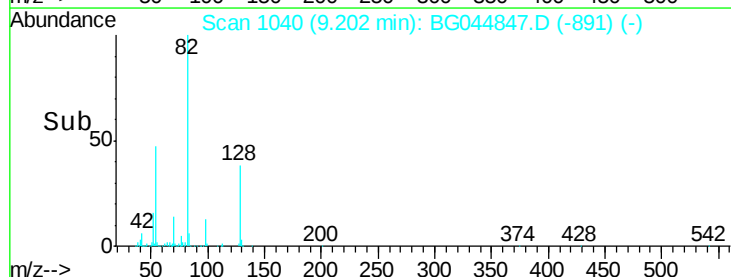
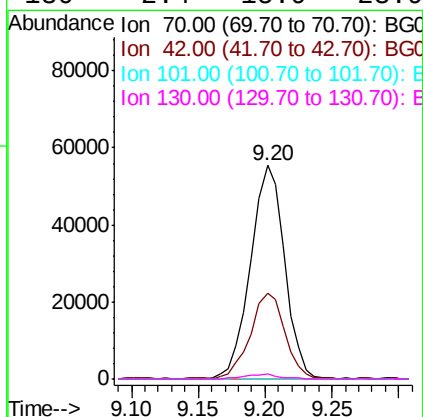
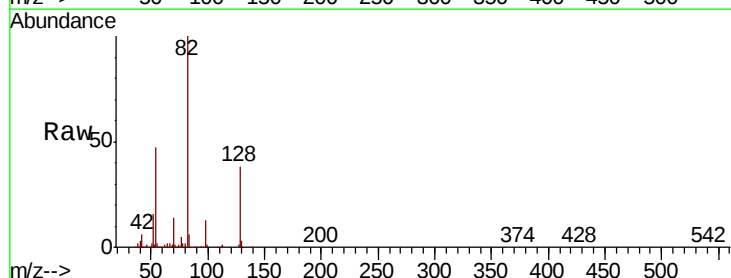
Ion Ratio Lower Upper

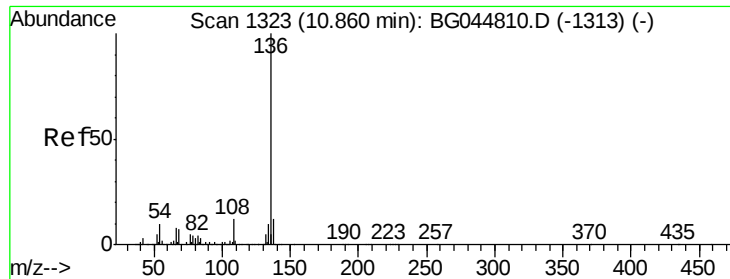
70 100

42 40.2 45.7 68.5#

101 0.0 7.4 11.2#

130 2.4 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: BG044847.D

Acq: 18 Mar 2020 00:28

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 378284

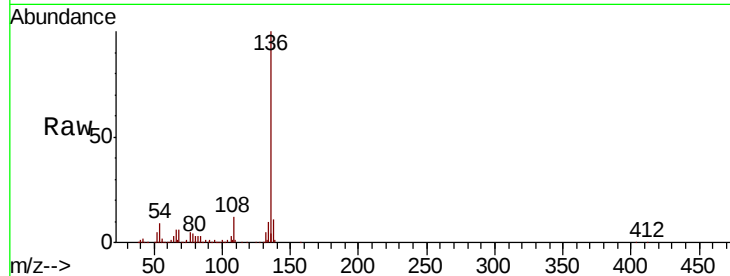
Ion Ratio Lower Upper

136 100

137 10.9 9.8 14.6

54 9.1 7.9 11.9

68 6.5 5.4 8.0

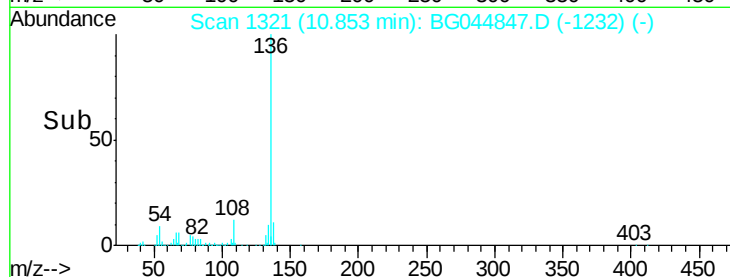


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

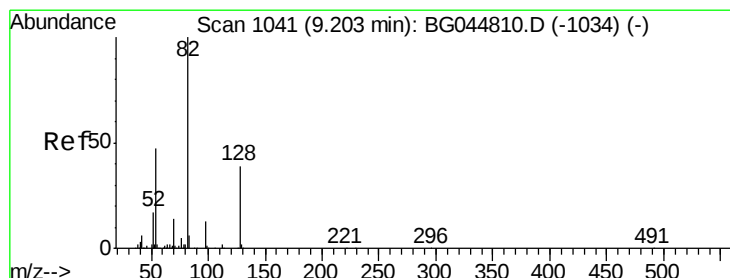
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



Time-->

10.85



#23

Nitrobenzene-d5

Concen: 82.070 ng

RT: 9.20 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BG044847.D

Acq: 18 Mar 2020 00:28

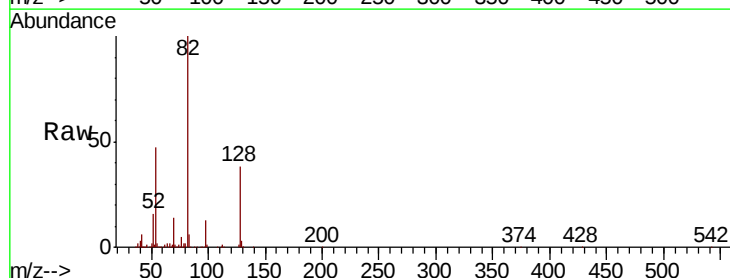
Tgt Ion: 82 Resp: 707489

Ion Ratio Lower Upper

82 100

128 37.9 30.6 46.0

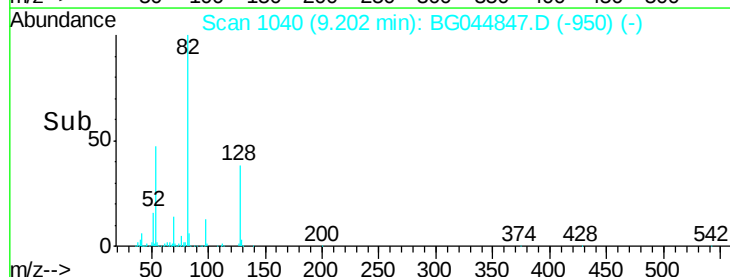
54 47.1 37.1 55.7



Abundance Ion 82.00 (81.70 to 82.70): BGC

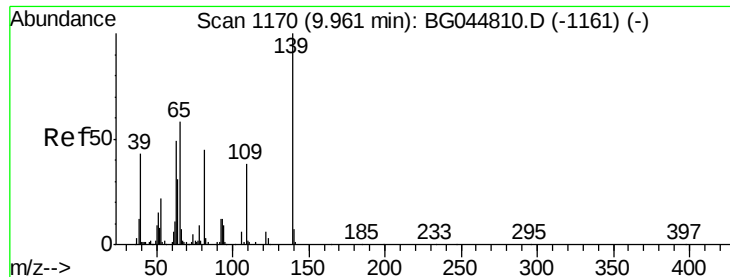
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC



Time-->

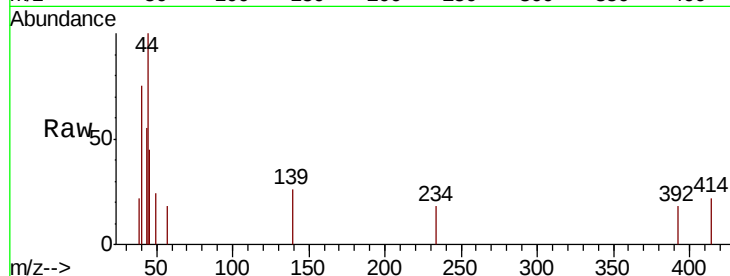
9.20



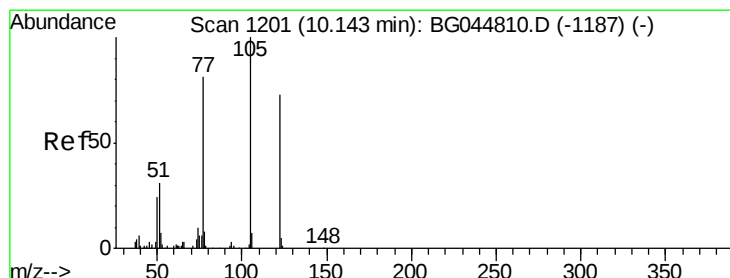
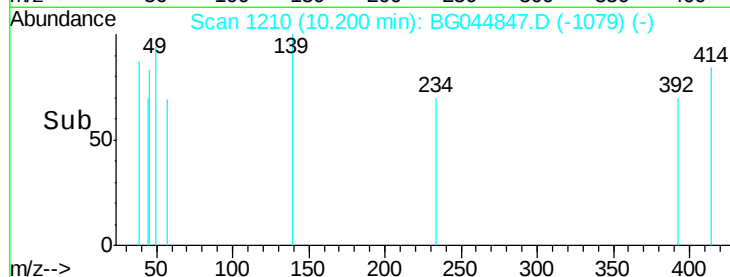
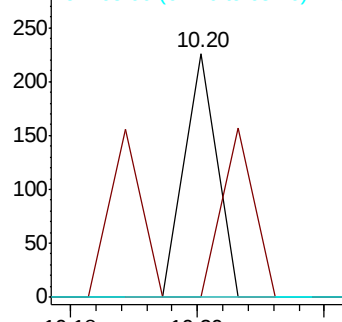
#26
2-Nitrophenol
Concen: 5.538 ng
RT: 10.20 min Scan# 1210
Delta R.T. 0.24 min
Lab File: BG044847.D
Acq: 18 Mar 2020 00:28

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#

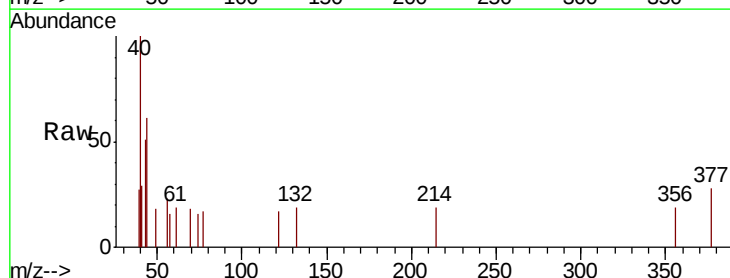


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

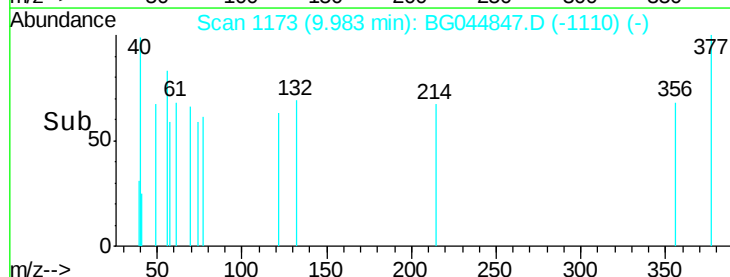
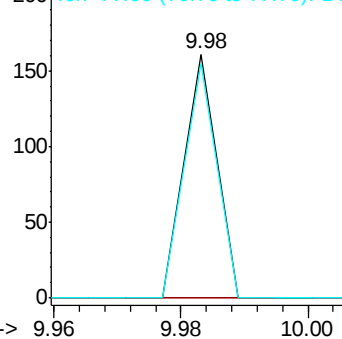


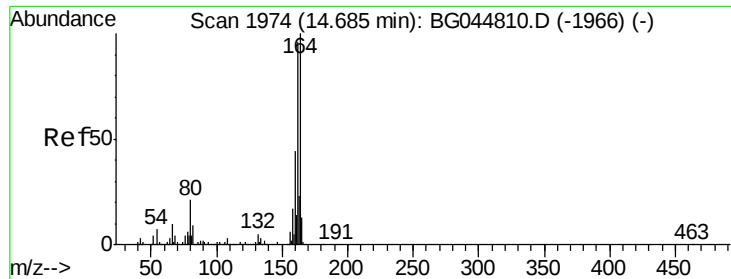
#32
Benzoic acid
Concen: 9.680 ng
RT: 9.98 min Scan# 1173
Delta R.T. -0.16 min
Lab File: BG044847.D
Acq: 18 Mar 2020 00:28

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	109.1	149.1#
77	96.3	85.3	125.3



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1972

Delta R.T. -0.01 min

Lab File: BG044847.D

Acq: 18 Mar 2020 00:28

Instrument :

BNA_G

ClientSampleId :

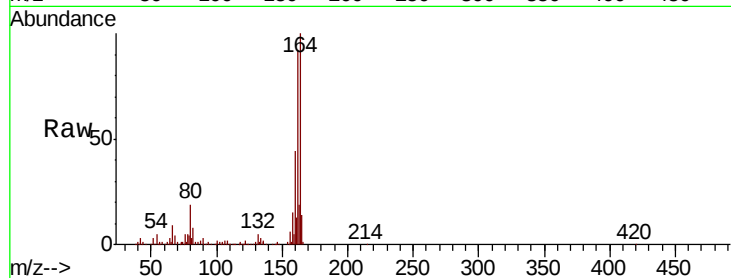
Tot Ion:164 Resp: 257433

Ion Ratio Lower Upper

164 100

162 92.1 76.7 115.1

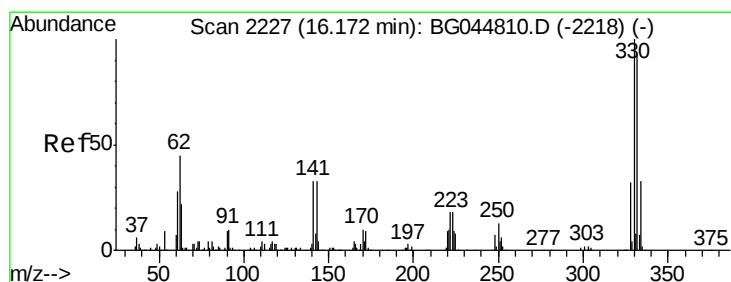
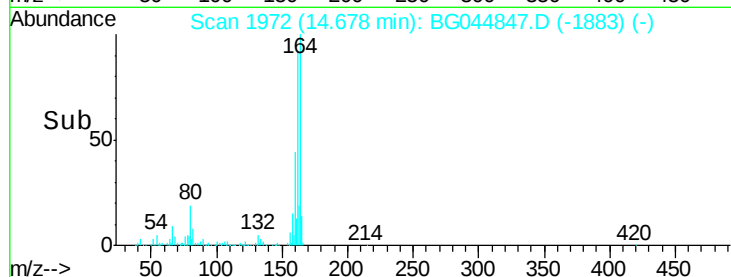
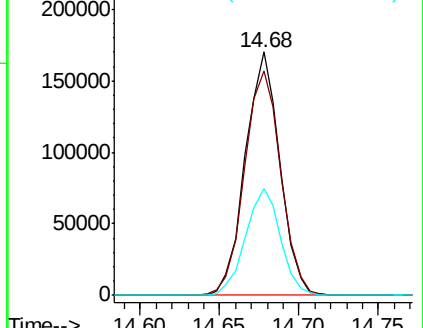
160 43.9 35.0 52.4



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: 138.991 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044847.D

Acq: 18 Mar 2020 00:28

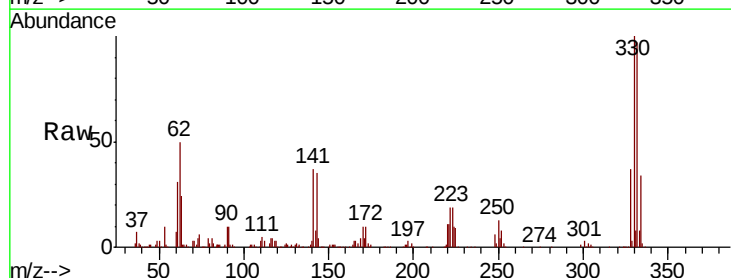
Tgt Ion:330 Resp: 468497

Ion Ratio Lower Upper

330 100

332 97.1 77.8 116.6

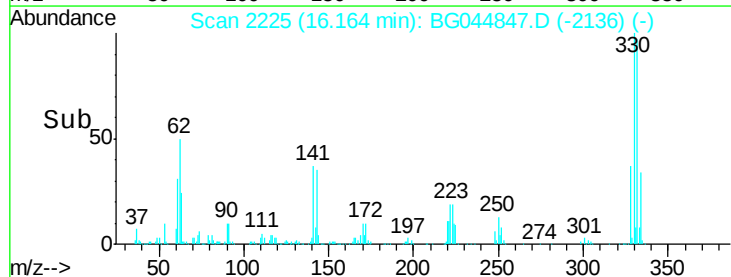
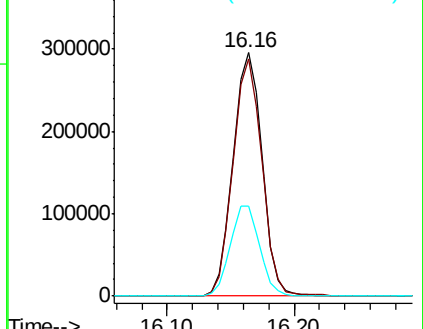
141 37.5 29.5 44.3

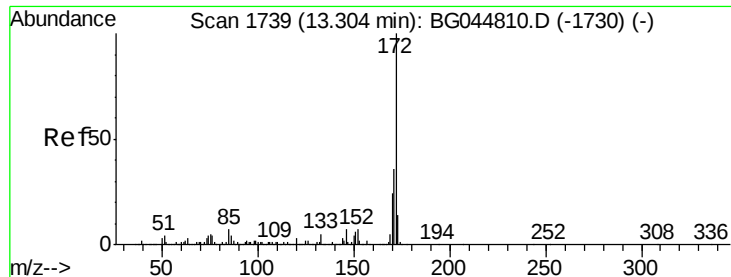


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

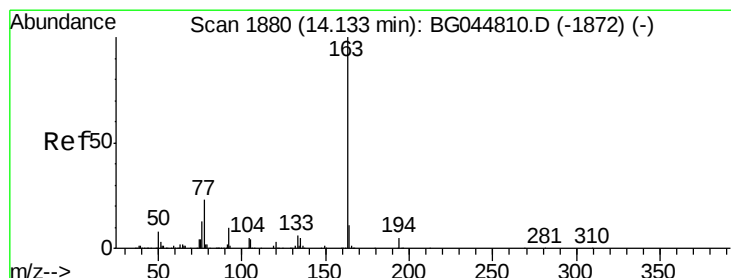
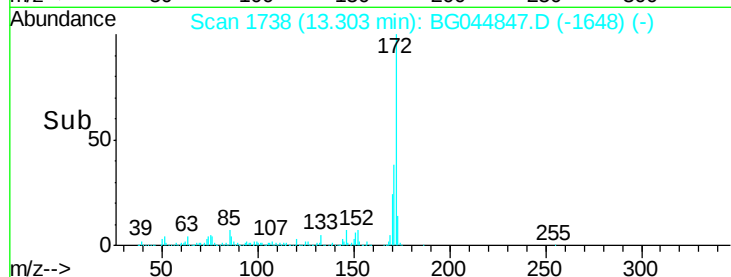
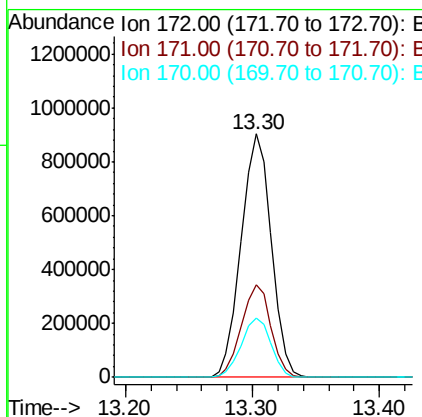
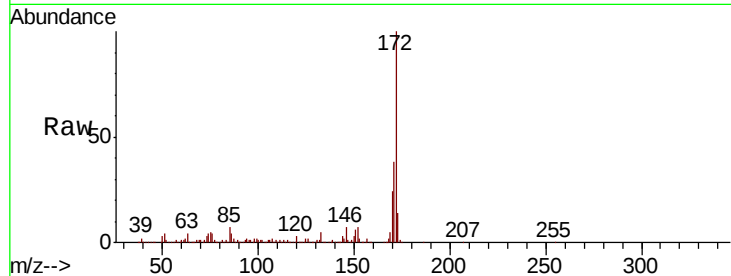




#45
2-Fluorobiphenyl
Concen: 82.803 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.00 min
Lab File: BG044847.D
Acq: 18 Mar 2020 00:28

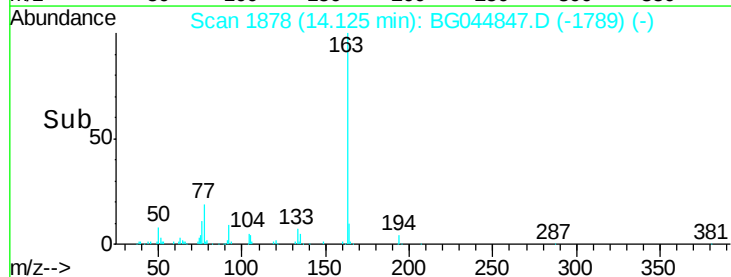
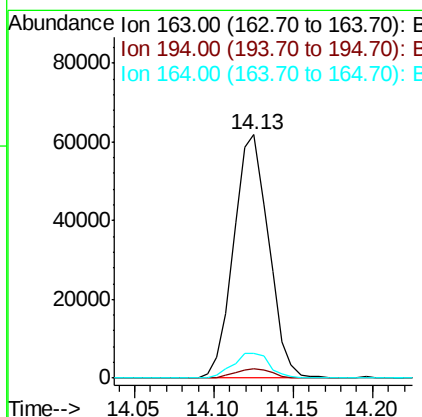
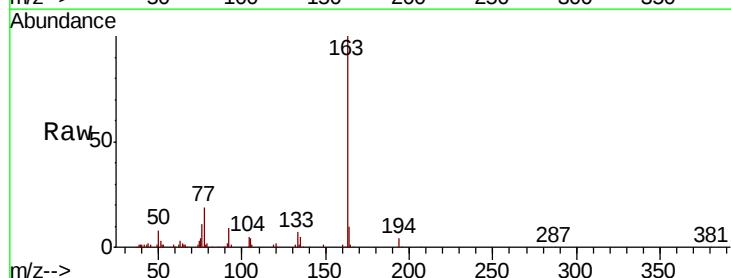
Instrument :
BNA_G
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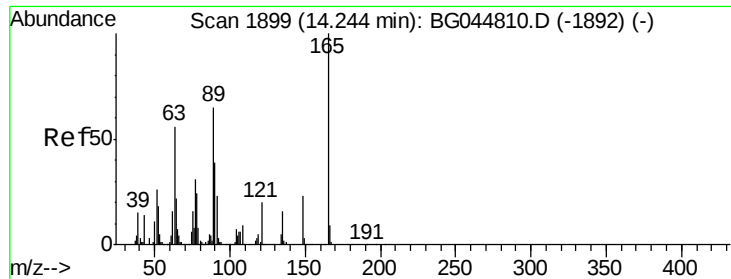
Tot Ion:172 Resp: 1488523
Ion Ratio Lower Upper
172 100
171 38.0 28.7 43.1
170 24.4 19.0 28.6



#50
Dimethylphthalate
Concen: 4.614 ng
RT: 14.13 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044847.D
Acq: 18 Mar 2020 00:28

Tgt Ion:163 Resp: 94605
Ion Ratio Lower Upper
163 100
194 3.8 3.7 5.5
164 10.0 9.1 13.7





#51

2,6-Dinitrotoluene

Concen: 8.433 ng

RT: 14.68 min Scan# 1972

Delta R.T. 0.43 min

Lab File: BG044847.D

Acq: 18 Mar 2020 00:28

Instrument :

BNA_G

ClientSampleId :

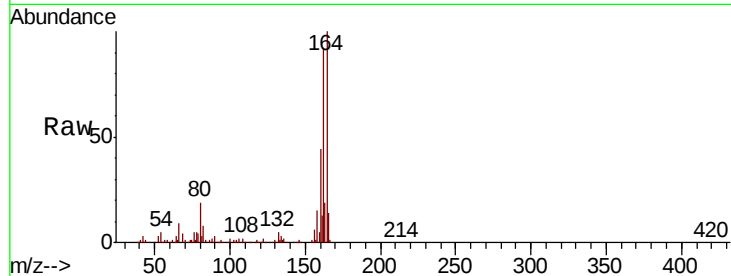
Tot Ion:165 Resp: 34854

Ion Ratio Lower Upper

165 100

63 1.9 45.8 68.8#

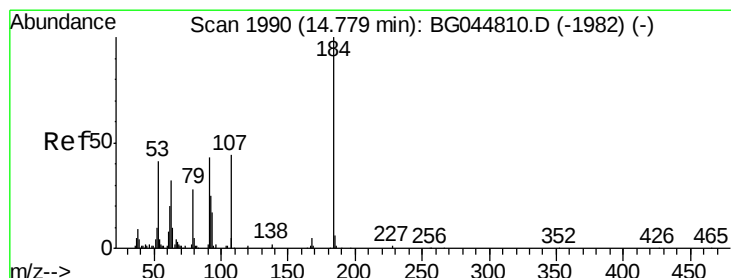
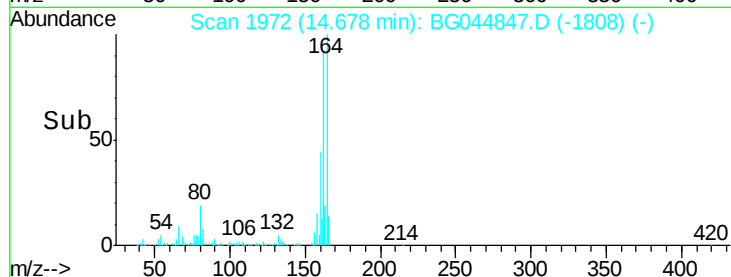
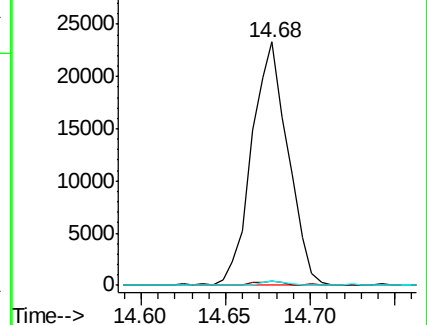
89 2.0 51.8 77.6#



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: 8.350 ng

RT: 15.27 min Scan# 2072

Delta R.T. 0.49 min

Lab File: BG044847.D

Acq: 18 Mar 2020 00:28

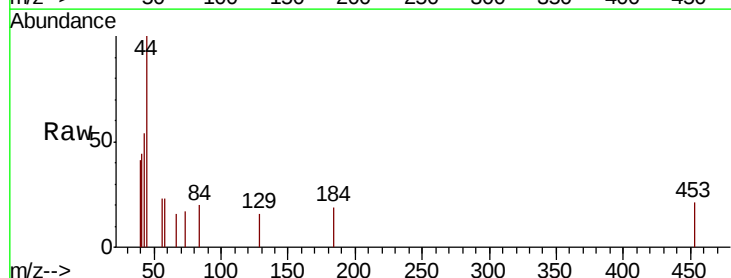
Tgt Ion:184 Resp: 66

Ion Ratio Lower Upper

184 100

63 0.0 45.5 68.3#

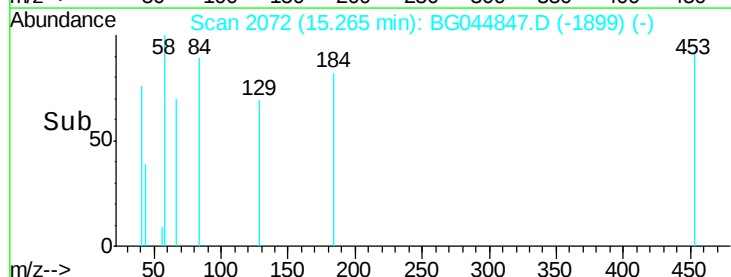
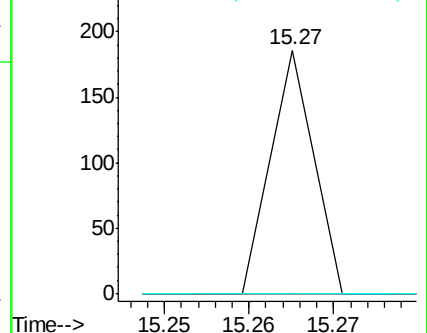
154 0.0 49.1 73.7#

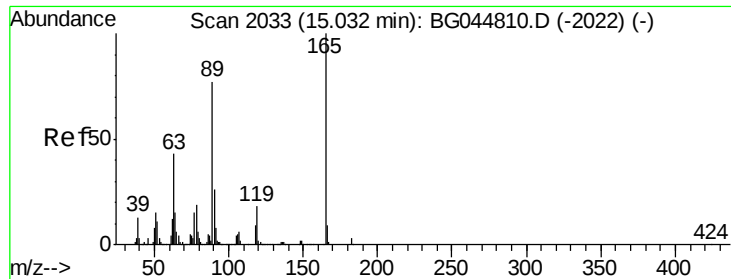


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

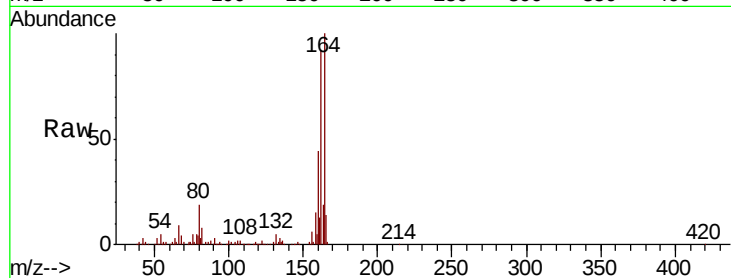




#57
 2,4-Dinitrotoluene
 Concen: 6.149 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. -0.35 min
 Lab File: BG044847.D
 Acq: 18 Mar 2020 00:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	34.6	52.0#
89	2.0	61.3	91.9#
182	0.0	2.2	3.2#

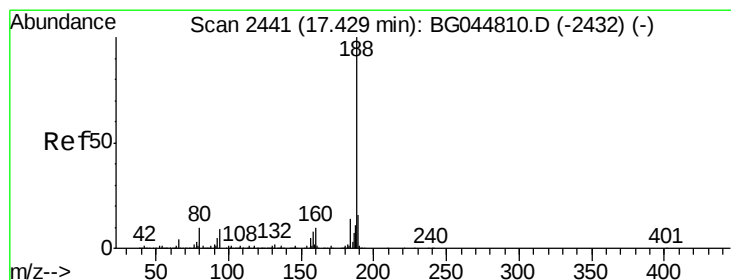
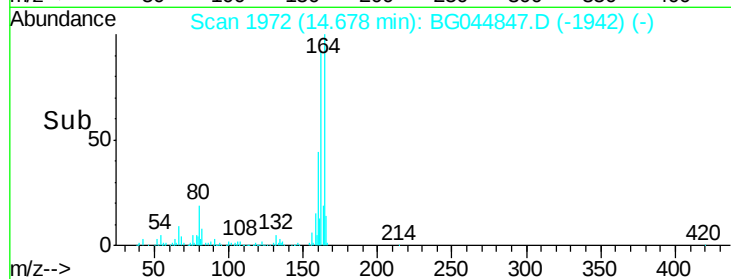
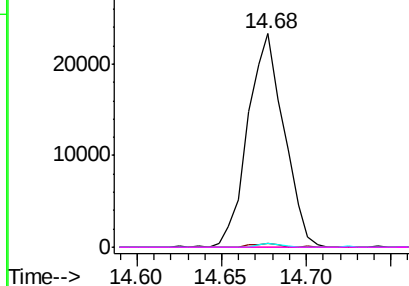


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

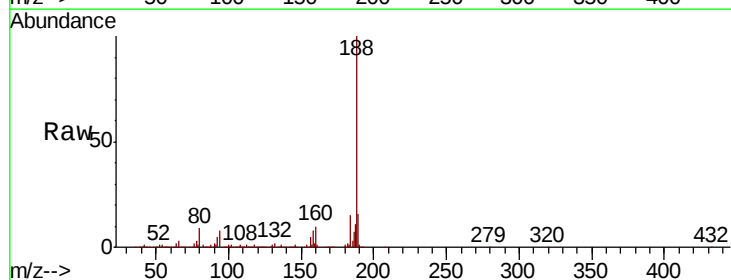
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.01 min
 Lab File: BG044847.D
 Acq: 18 Mar 2020 00:28

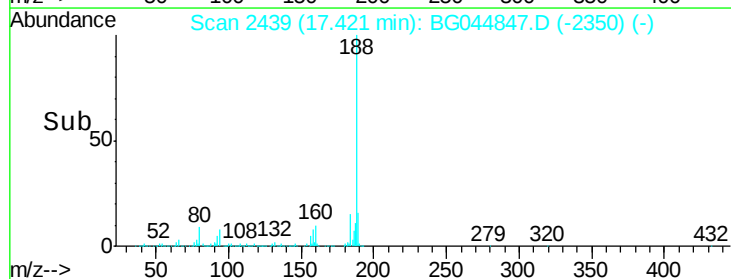
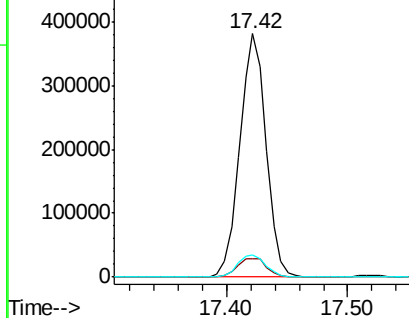
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	7.3	10.9
80	9.3	8.0	12.0

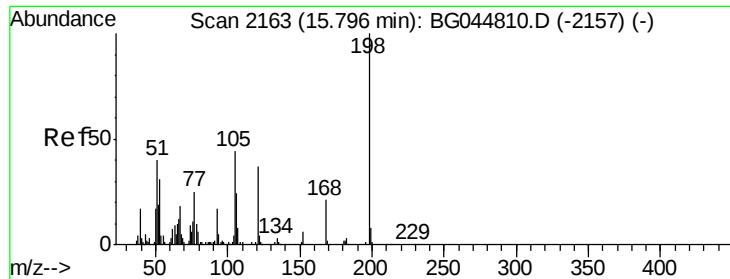


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.747 ng

RT: 15.85 min Scan# 2172

Delta R.T. 0.06 min

Lab File: BG044847.D

Acq: 18 Mar 2020 00:28

Instrument :

BNA_G

ClientSampleId :

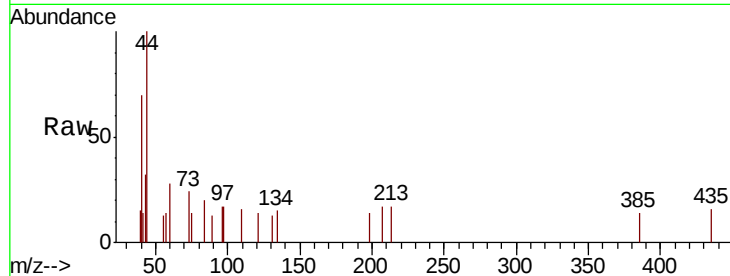
Tot Ion:198 Resp: 60

Ion Ratio Lower Upper

198 100

51 0.0 21.1 61.1#

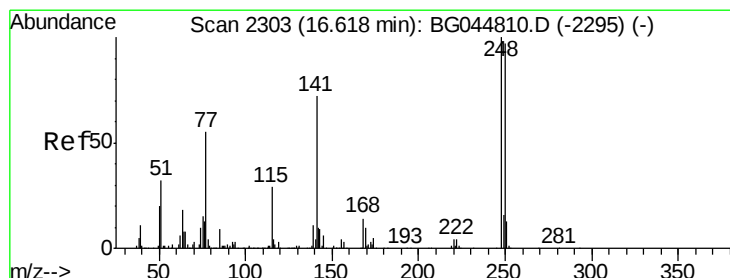
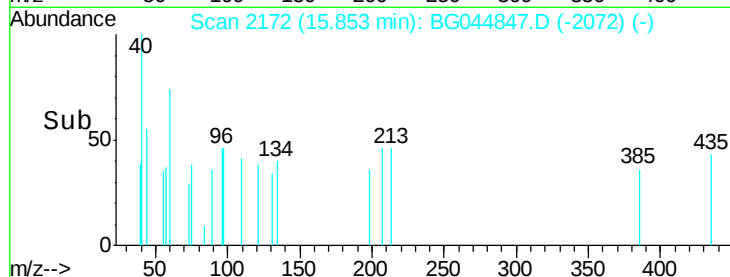
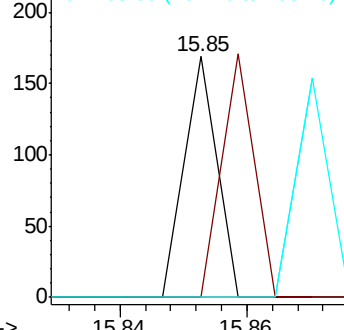
105 0.0 24.5 64.5#



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



#67

4-Bromophenyl-phenylether

Concen: 4.407 ng

RT: 16.16 min Scan# 2224

Delta R.T. -0.46 min

Lab File: BG044847.D

Acq: 18 Mar 2020 00:28

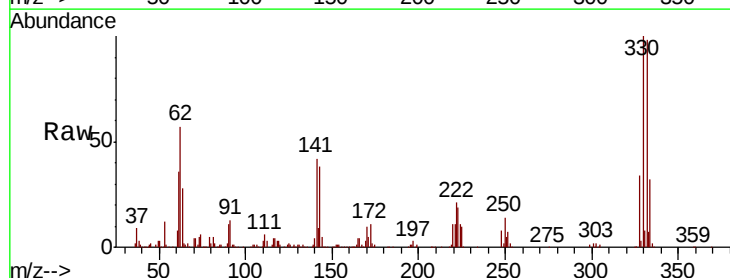
Tgt Ion:248 Resp: 31773

Ion Ratio Lower Upper

248 100

250 188.1 77.9 116.9#

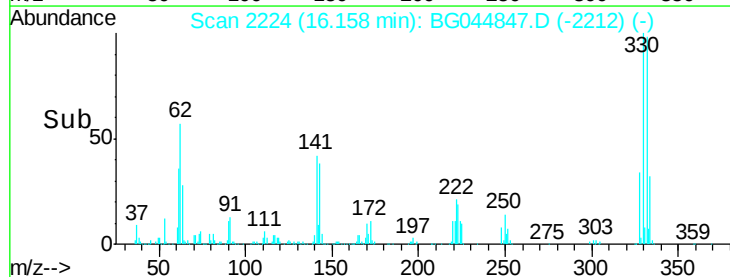
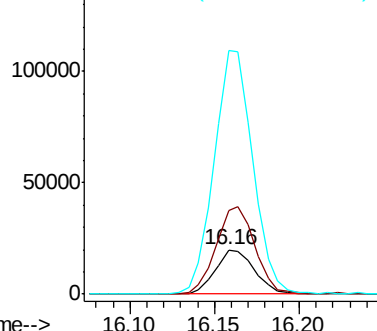
141 551.3 57.5 86.3#

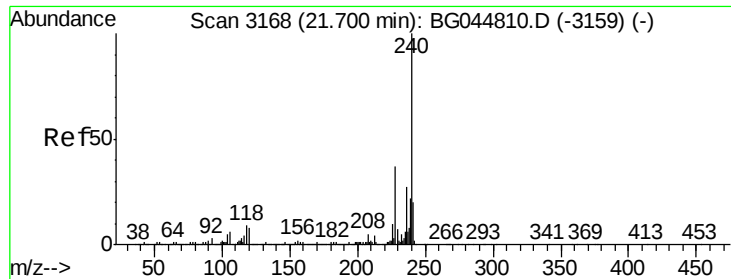


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

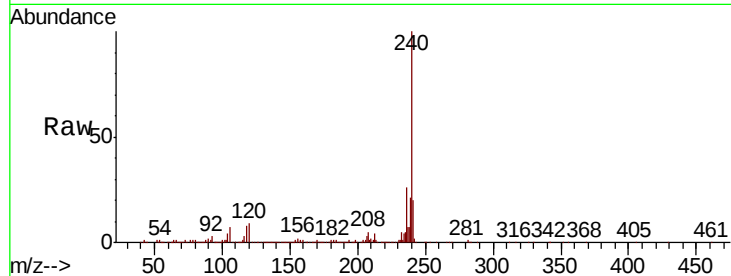




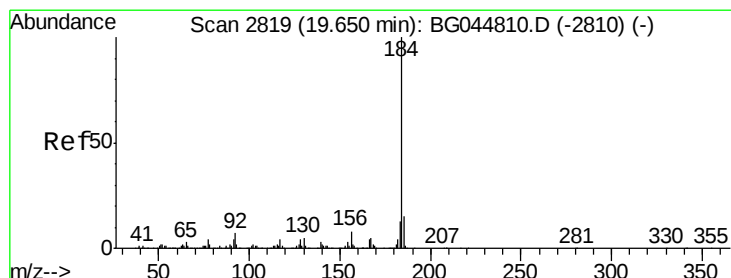
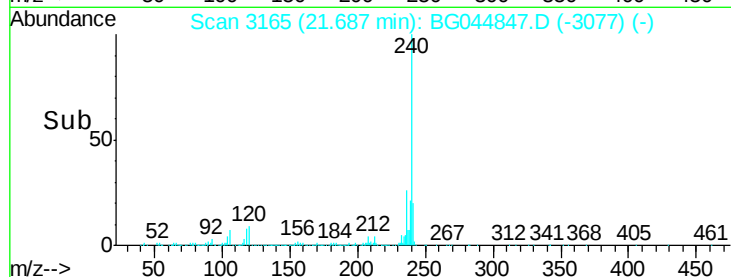
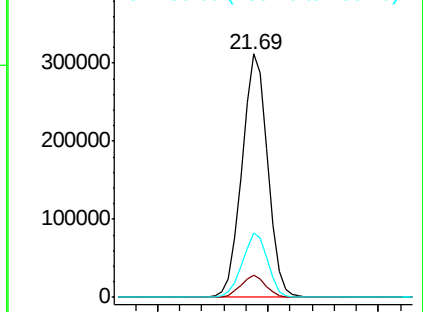
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG044847.D
Acq: 18 Mar 2020 00:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:240 Resp: 510078
Ion Ratio Lower Upper
240 100
120 9.0 6.7 10.1
236 26.3 21.5 32.3

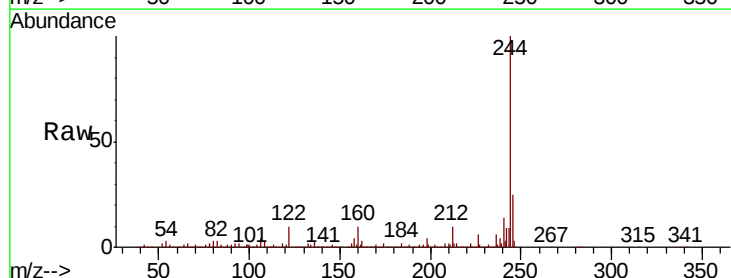


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

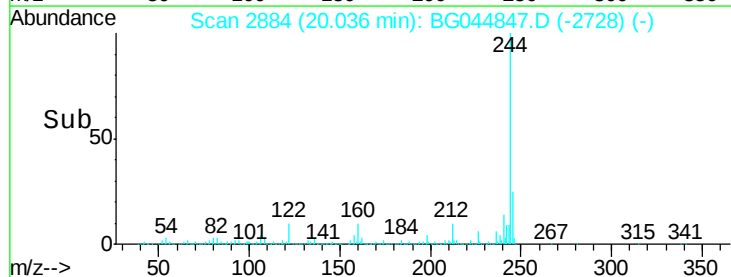
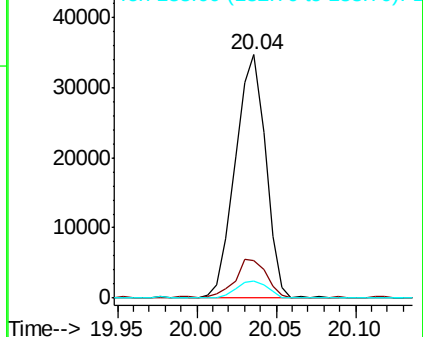


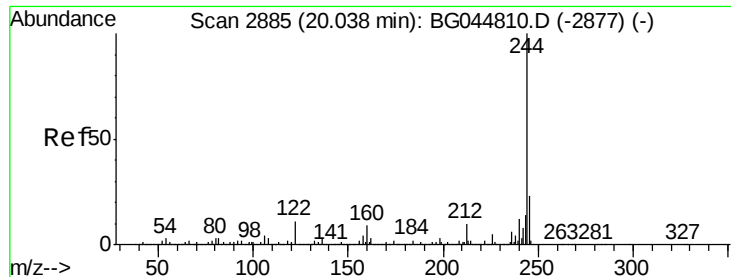
#77
Benzidine
Concen: 2.787 ng
RT: 20.04 min Scan# 2884
Delta R.T. 0.39 min
Lab File: BG044847.D
Acq: 18 Mar 2020 00:28

Tgt Ion:184 Resp: 46147
Ion Ratio Lower Upper
184 100
185 15.6 12.2 18.4
183 7.2 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: 86.371 ng

RT: 20.04 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044847.D

Acq: 18 Mar 2020 00:28

Instrument :

BNA_G

ClientSampleId :

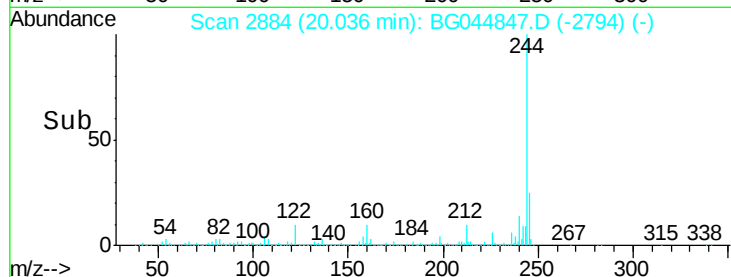
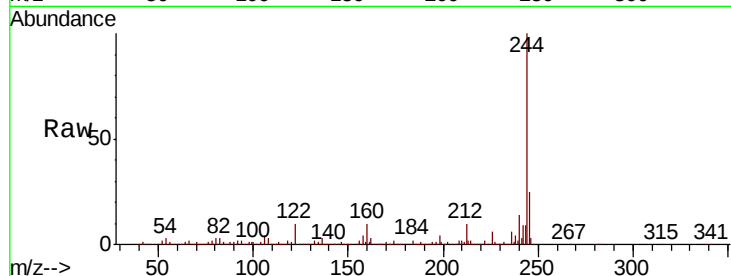
Tot Ion:244 Resp: 2355240

Ion Ratio Lower Upper

244 100

212 10.1 7.7 11.5

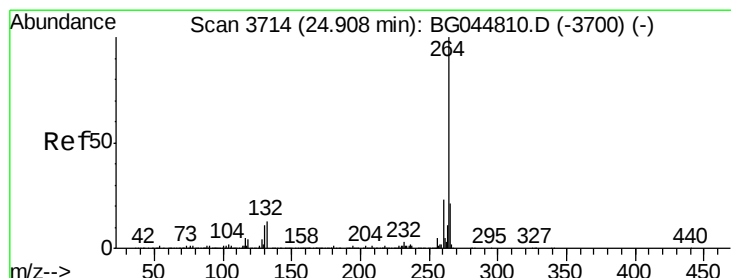
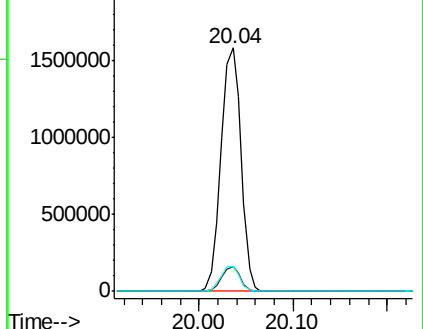
122 10.3 8.6 12.8



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: 24.90 min Scan# 3711

Delta R.T. -0.01 min

Lab File: BG044847.D

Acq: 18 Mar 2020 00:28

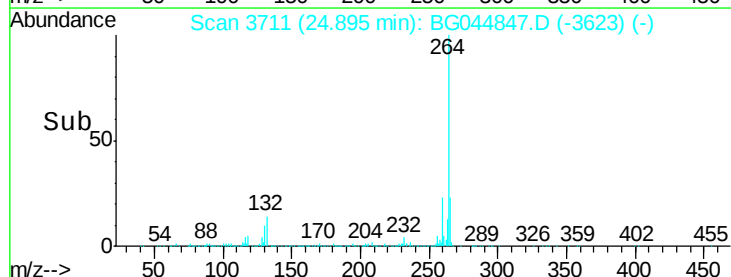
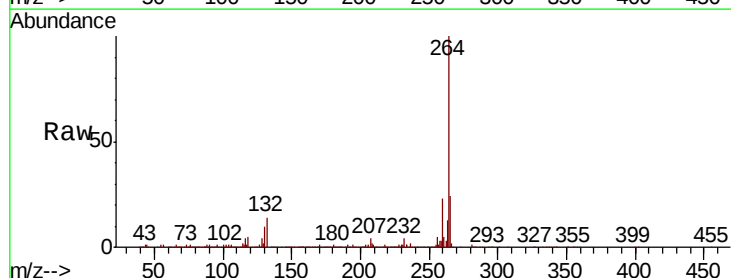
Tgt Ion:264 Resp: 571645

Ion Ratio Lower Upper

264 100

260 23.0 18.1 27.1

265 23.6 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

