

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010320\
 Data File : BG043913.D
 Acq On : 4 Jan 2020 8:59
 Operator : JU
 Sample : PB125896BL
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jan 06 04:29:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	122784	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	536009	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	367791	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	804592	20.00	ng	0.00
76) Chrysene-d12	21.58	240	702729	20.00	ng	0.00
87) Perylene-d12	24.72	264	769645	20.00	ng	0.00

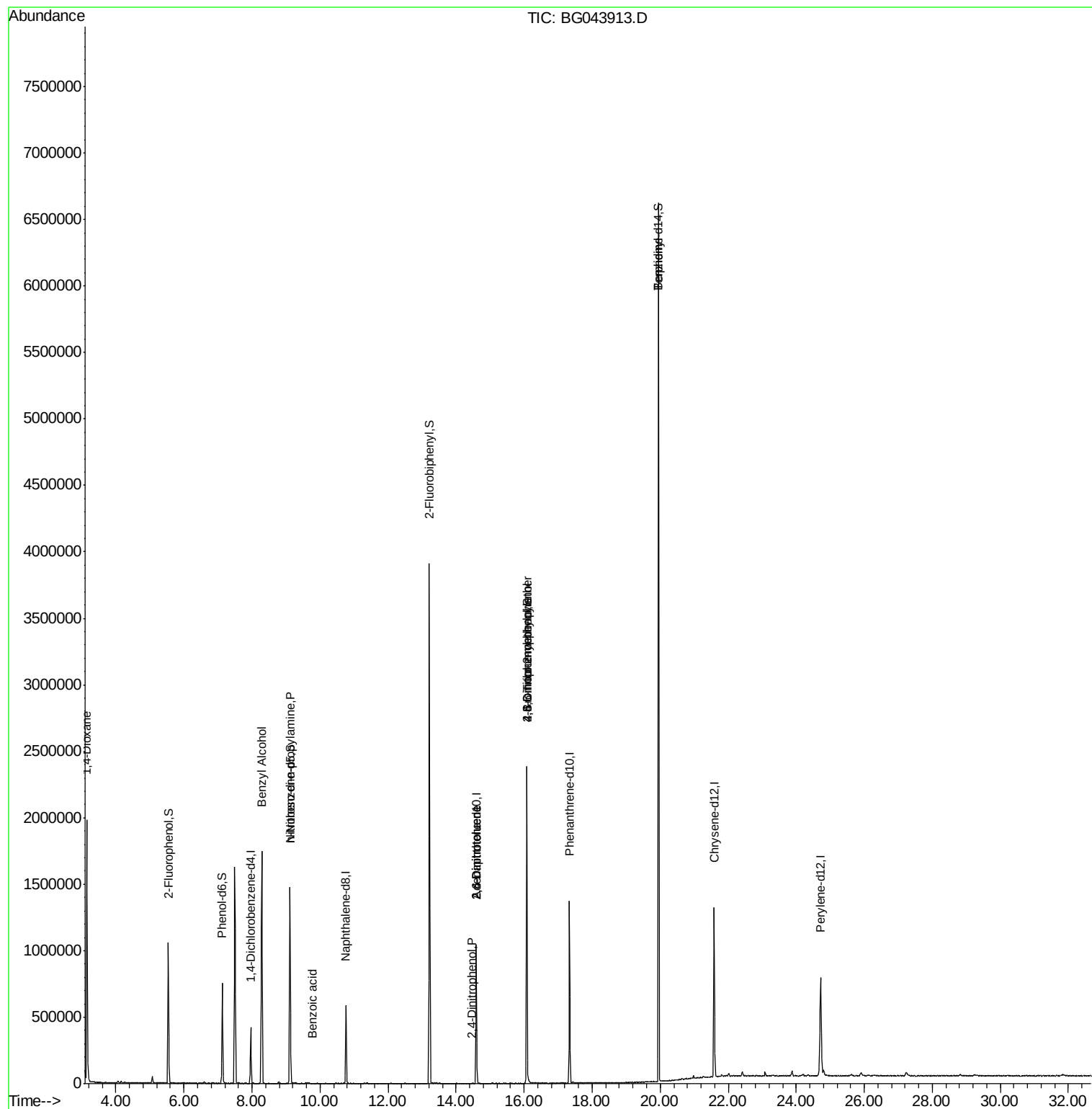
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	488951	73.12	ng	0.00
7) Phenol-d6	7.12	99	474968	50.81	ng	0.00
23) Nitrobenzene-d5	9.12	82	907505	90.57	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	412825	107.26	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	2008182	98.92	ng	0.00
79) Terphenyl-d14	19.95	244	2609348	91.26	ng	0.00

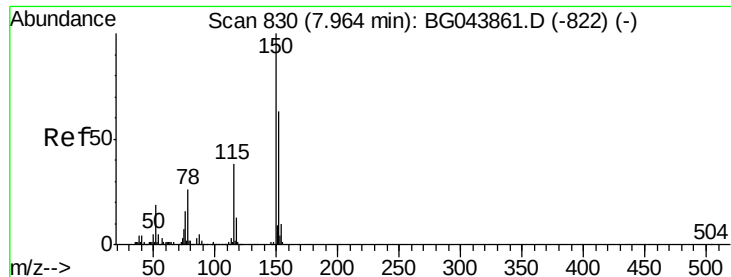
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.15	88	17805	6.107	ng	# 1
15) Benzyl Alcohol	8.29	79	14976	2.030	ng	# 59
19) n-Nitroso-di-n-propylamine	9.12	70	122347	17.576	ng	# 80
32) Benzoic acid	9.77	122	58	6.271	ng	# 1
51) 2,6-Dinitrotoluene	14.59	165	49336	8.358	ng	# 26
54) 2,4-Dinitrophenol	14.47	184	53	5.499	ng	# 20
57) 2,4-Dinitrotoluene	14.59	165	49336	6.143	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.08	198	1408	4.698	ng	# 1
67) 4-Bromophenyl-phenylether	16.08	248	28521	3.152	ng	# 1
77) Benzidine	19.95	184	56366	3.191	ng	# 95

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

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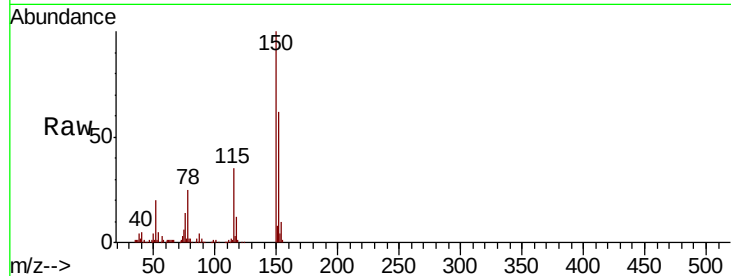




#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. 0.00 min
Lab File: BG043913.D
Acq: 4 Jan 2020 8:59

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.2	127.0	190.4
115	56.1	47.8	71.8

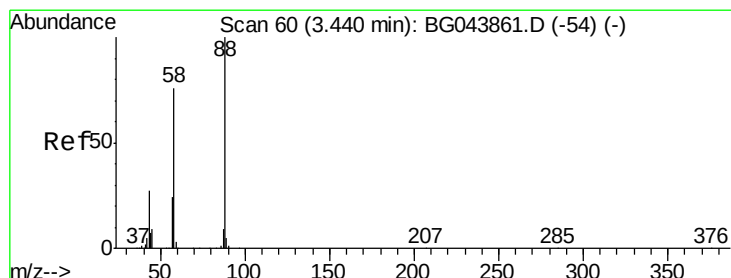
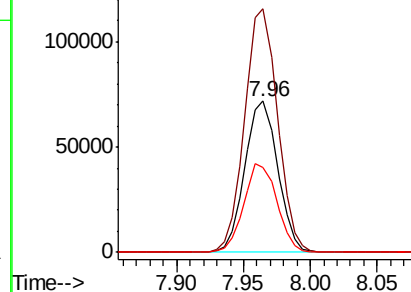
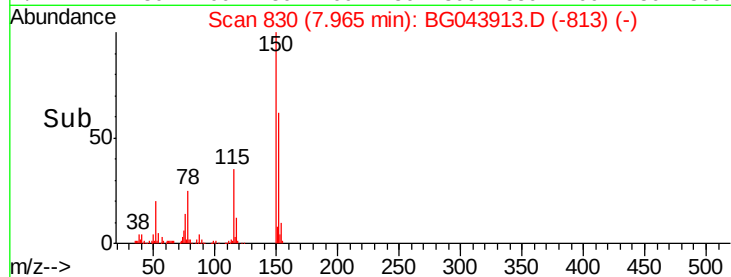


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

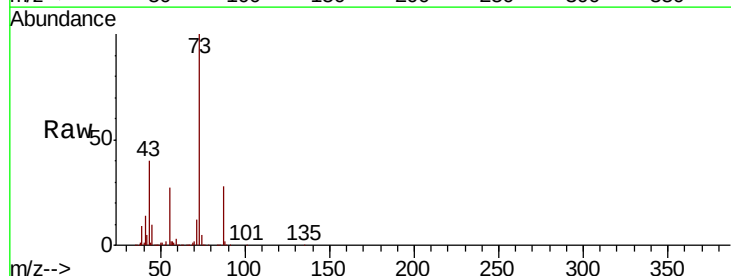
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 6.107 ng
RT: 3.15 min Scan# 10
Delta R.T. -0.29 min
Lab File: BG043913.D
Acq: 4 Jan 2020 8:59

Tgt Ion	Ratio	Lower	Upper
88	100		
58	28.6	59.8	89.8#
43	2412.6	22.9	34.3#

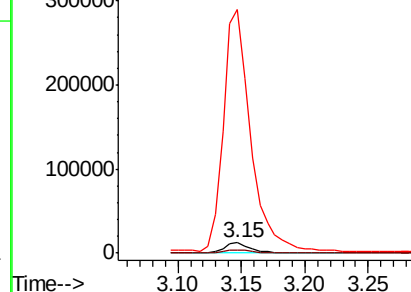
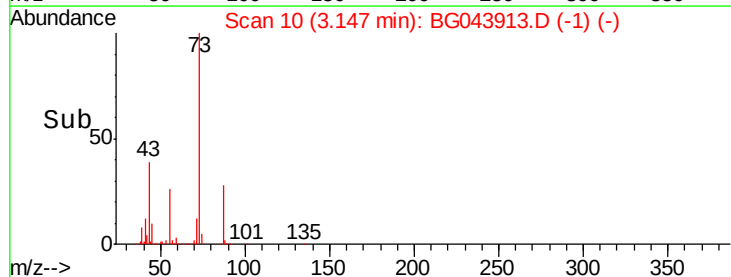


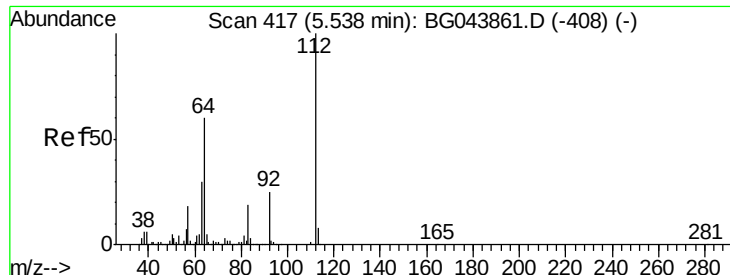
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 73.118 ng

RT: 5.54 min Scan# 417

Delta R.T. 0.00 min

Lab File: BG043913.D

Acq: 4 Jan 2020 8:59

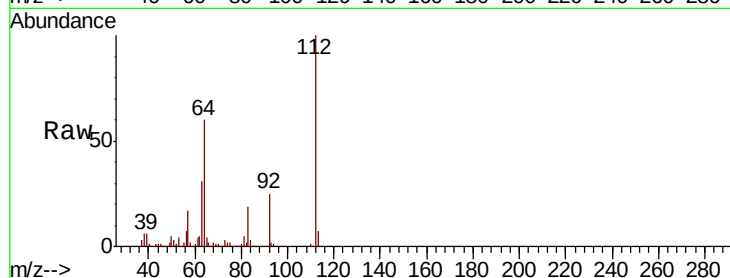
Tot Ion: 112 Resp: 488951

Ion Ratio Lower Upper

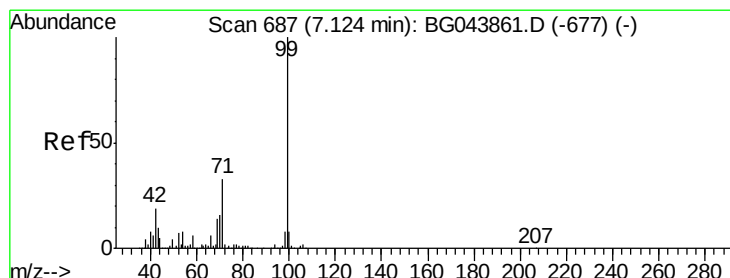
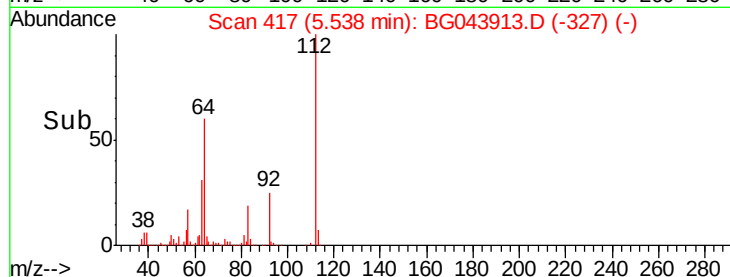
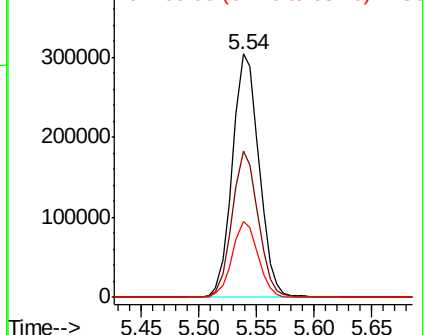
112 100

64 59.9 47.8 71.6

63 31.2 24.3 36.5



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 50.813 ng

RT: 7.12 min Scan# 687

Delta R.T. 0.00 min

Lab File: BG043913.D

Acq: 4 Jan 2020 8:59

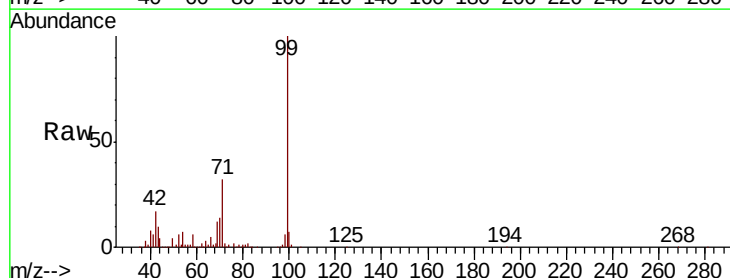
Tgt Ion: 99 Resp: 474968

Ion Ratio Lower Upper

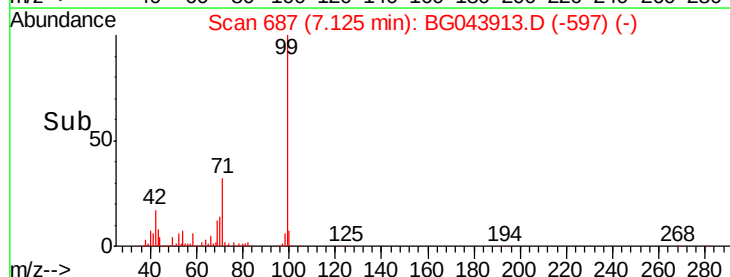
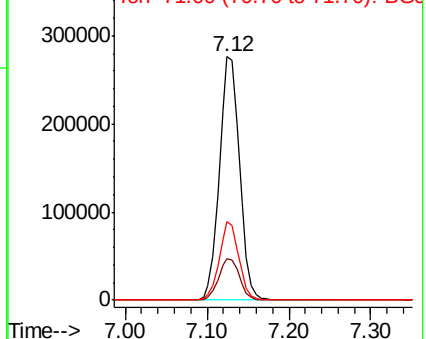
99 100

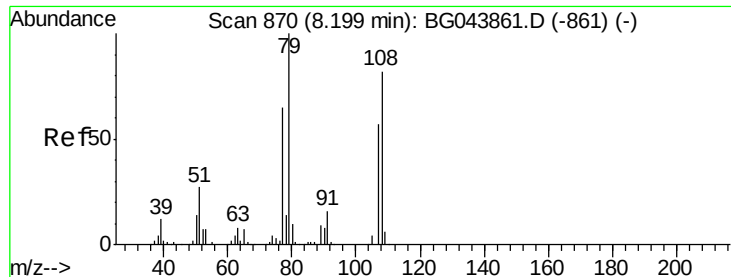
42 17.2 14.9 22.3

71 32.1 26.4 39.6



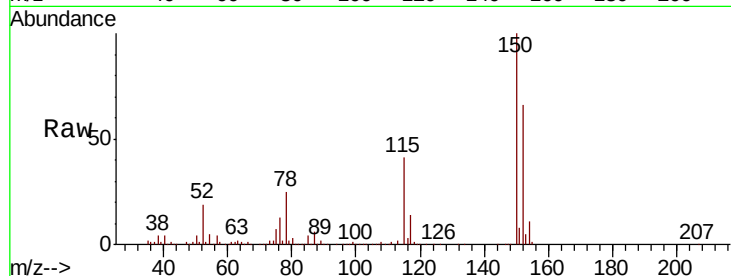
Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



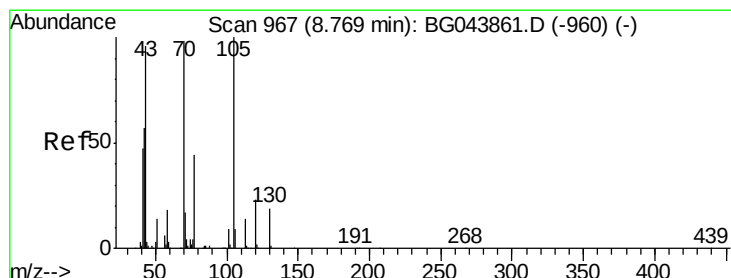
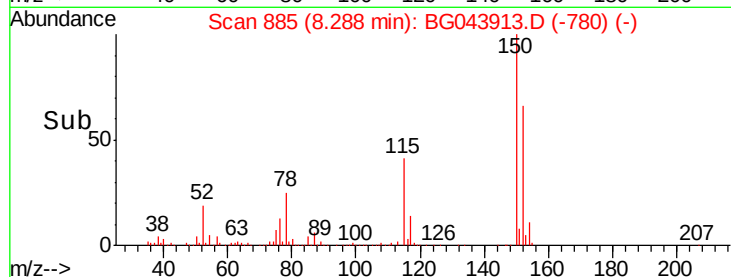
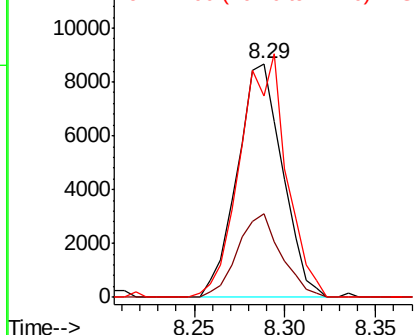


#15
Benzyl Alcohol
Concen: 2.030 ng
RT: 8.29 min Scan# 885
Delta R.T. 0.09 min
Lab File: BG043913.D
Acq: 4 Jan 2020 8:59

Tot Ion: 79 Resp: 14976
Ion Ratio Lower Upper
79 100
108 35.9 65.6 98.4#
77 86.5 52.0 78.0#

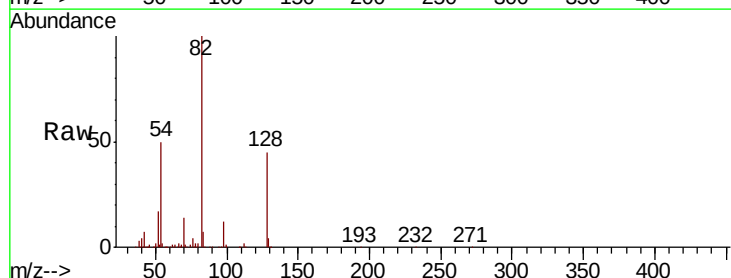


Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

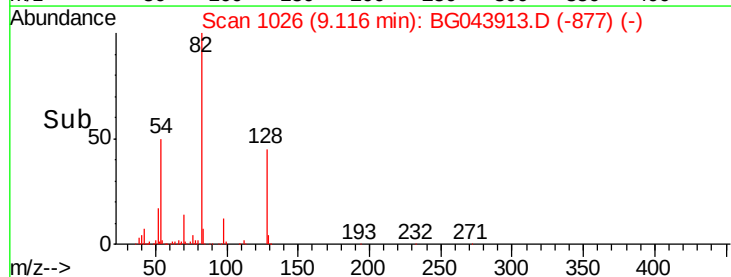
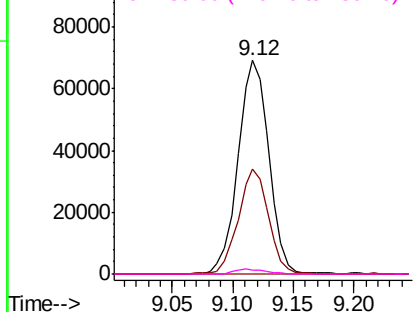


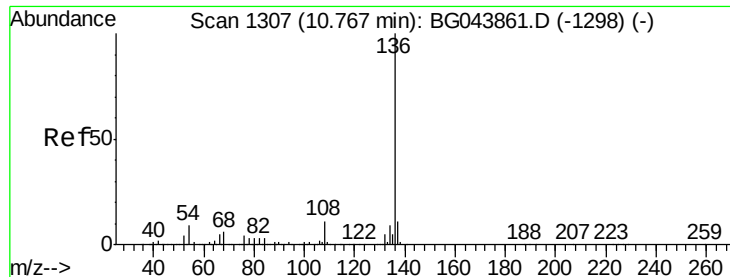
#19
n-Nitroso-di-n-propylamine
Concen: 17.576 ng
RT: 9.12 min Scan# 1026
Delta R.T. 0.35 min
Lab File: BG043913.D
Acq: 4 Jan 2020 8:59

Tgt Ion: 70 Resp: 122347
Ion Ratio Lower Upper
70 100
42 49.1 47.0 70.4
101 0.0 7.2 10.8#
130 1.9 15.6 23.4#



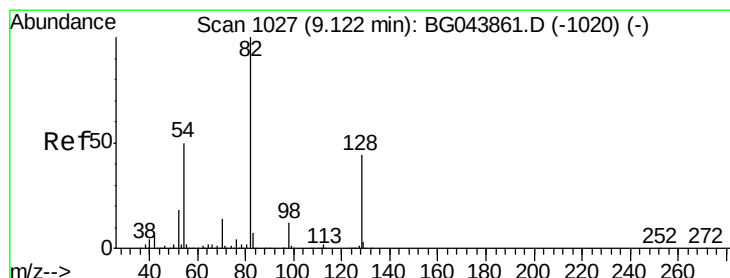
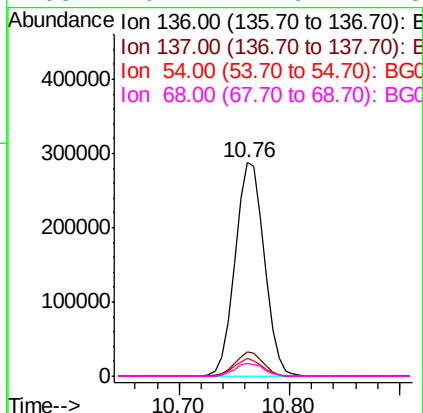
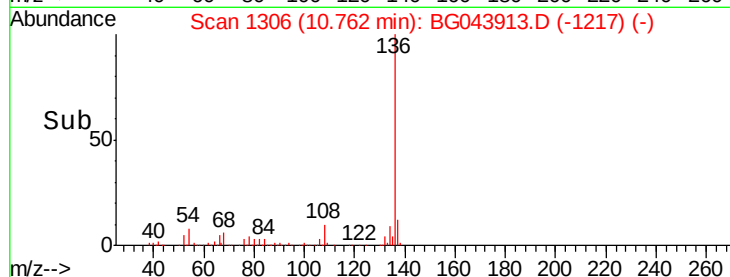
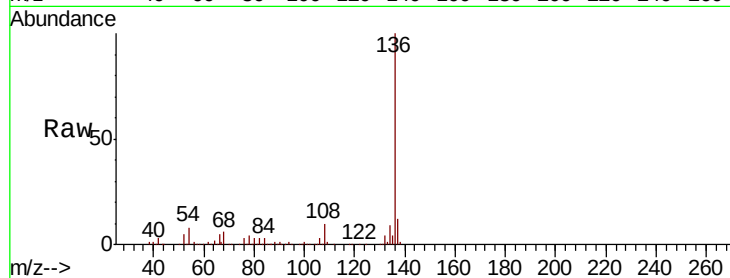
Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





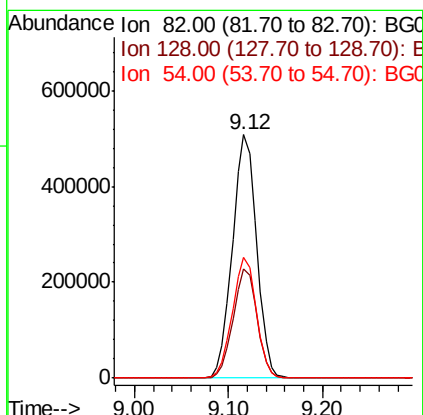
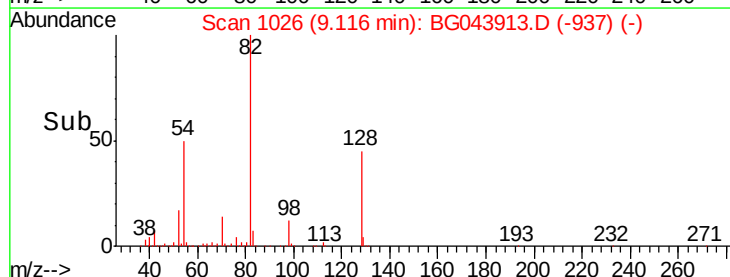
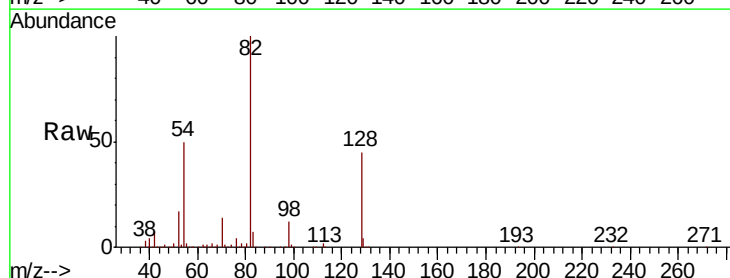
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BG043913.D
Acq: 4 Jan 2020 8:59

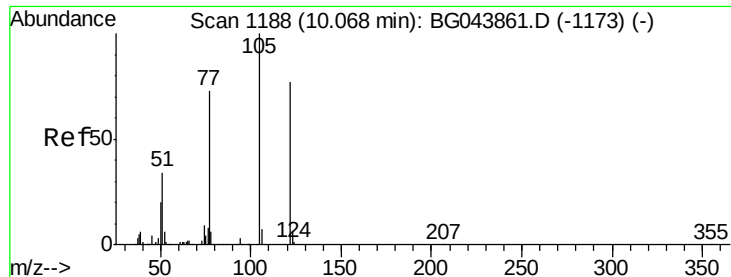
Tot Ion:136	Resp:	536009	
Ion Ratio	Lower	Upper	
136 100			
137 11.6	8.8	13.2	
54 8.4	7.0	10.4	
68 6.1	4.9	7.3	



#23
Nitrobenzene-d5
Concen: 90.573 ng
RT: 9.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BG043913.D
Acq: 4 Jan 2020 8:59

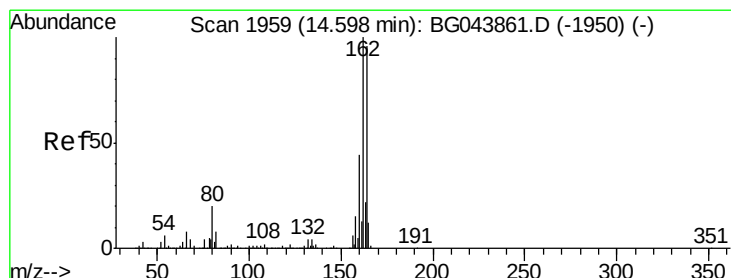
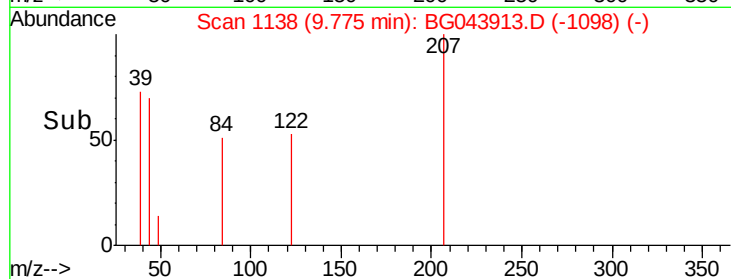
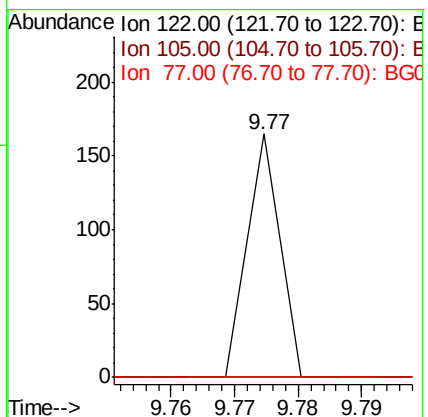
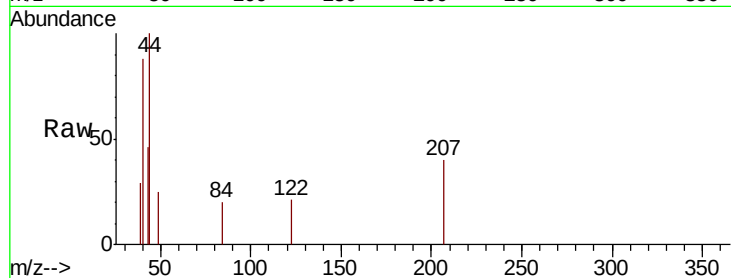
Tgt	Ion: 82	Resp:	907505
Ion	Ratio	Lower	Upper
82	100		
128	44.8	35.1	52.7
54	49.7	40.1	60.1





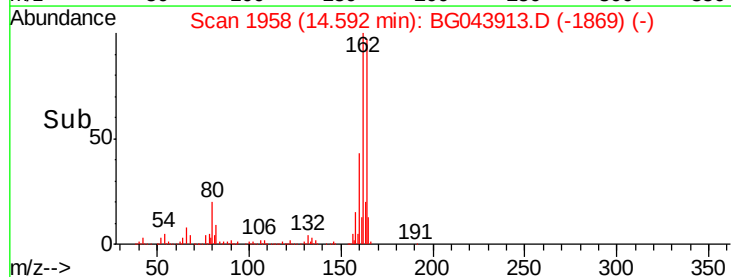
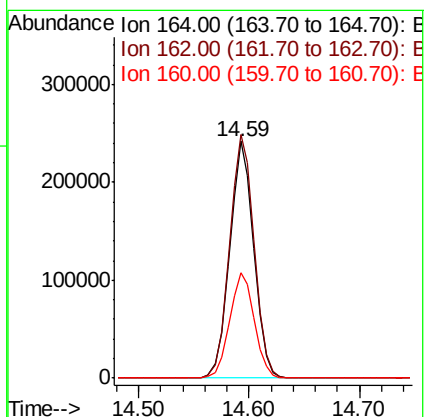
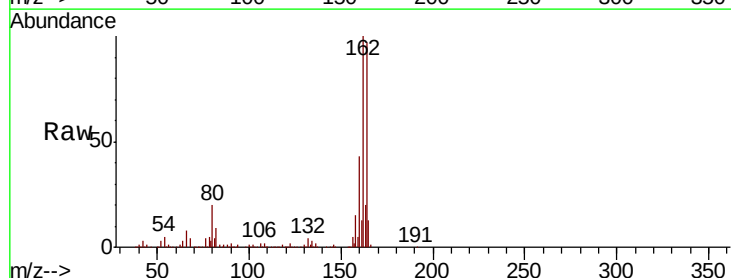
#32
Benzoic acid
Concen: 6.271 ng
RT: 9.77 min Scan# 1138
Delta R.T. -0.29 min
Lab File: BG043913.D
Acq: 4 Jan 2020 8:59

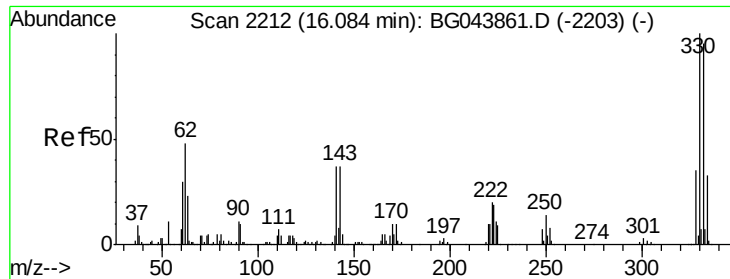
Tot Ion:	122	Resp:	58
Ion	Ratio	Lower	Upper
122	100		
105	0.0	106.4	146.4#
77	0.0	74.6	114.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BG043913.D
Acq: 4 Jan 2020 8:59

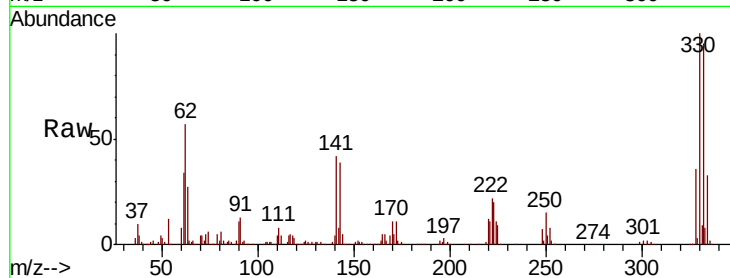
Tgt Ion:	164	Resp:	367791
Ion	Ratio	Lower	Upper
164	100		
162	102.8	83.0	124.4
160	44.3	36.1	54.1



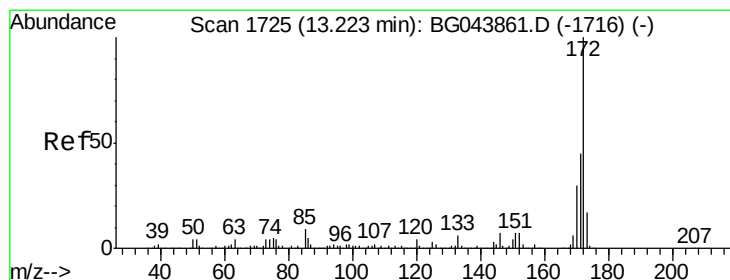
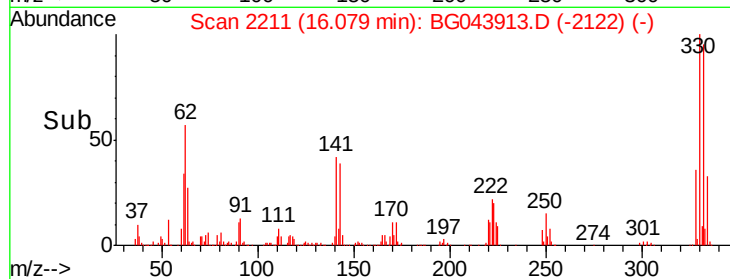
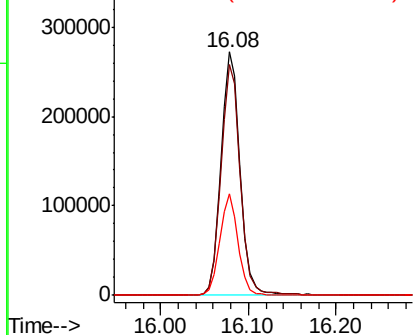


#42
 2,4,6-Tribromophenol
 Concen: 107.259 ng
 RT: 16.08 min Scan# 2211
 Delta R.T. -0.01 min
 Lab File: BG043913.D
 Acq: 4 Jan 2020 8:59

Tot Ion:330 Resp: 412825
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.2 115.8
 141 40.0 33.1 49.7

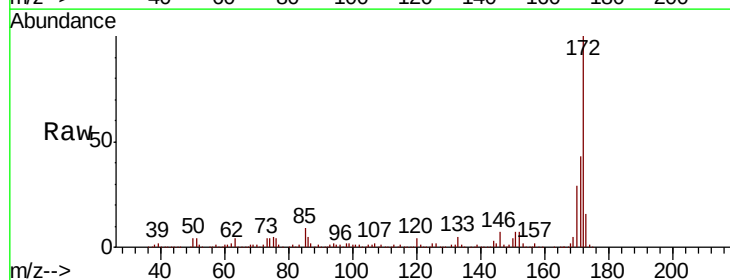


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

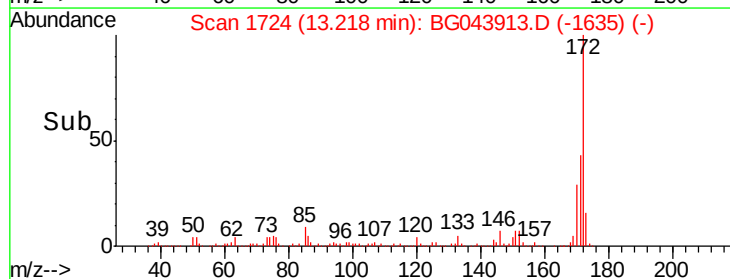
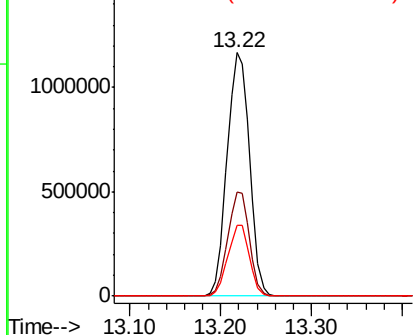


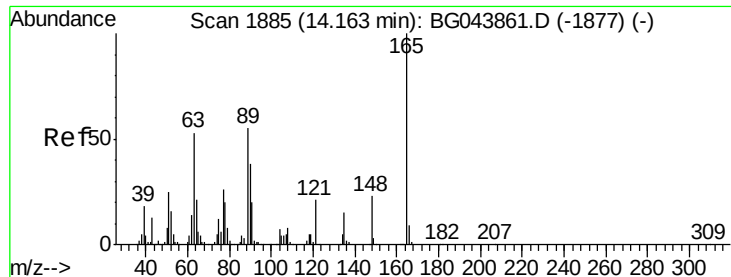
#45
 2-Fluorobiphenyl
 Concen: 98.925 ng
 RT: 13.22 min Scan# 1724
 Delta R.T. -0.01 min
 Lab File: BG043913.D
 Acq: 4 Jan 2020 8:59

Tgt Ion:172 Resp: 2008182
 Ion Ratio Lower Upper
 172 100
 171 42.8 35.8 53.8
 170 29.2 24.2 36.4



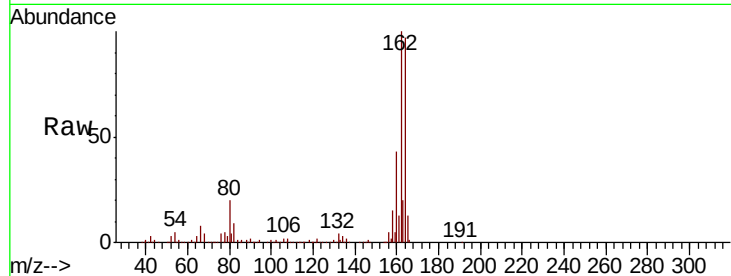
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



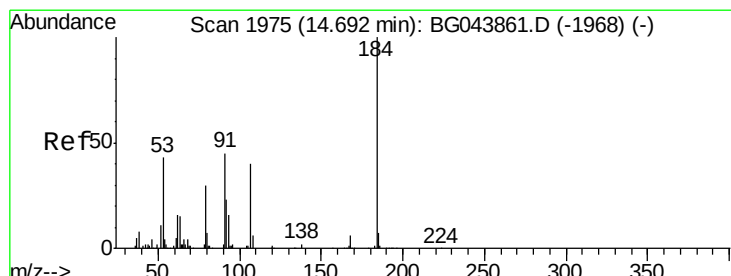
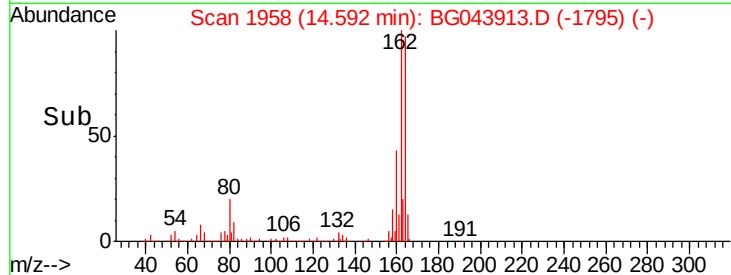
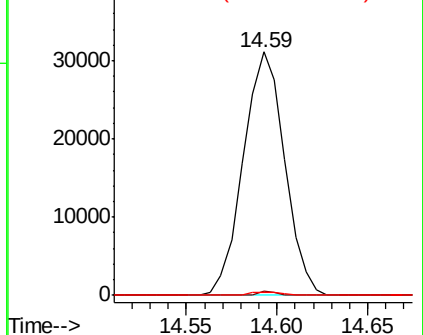


#51
2,6-Dinitrotoluene
Concen: 8.358 ng
RT: 14.59 min Scan# 1958
Delta R.T. 0.43 min
Lab File: BG043913.D
Acq: 4 Jan 2020 8:59

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	43.1	64.7#
89	1.0	43.8	65.6#

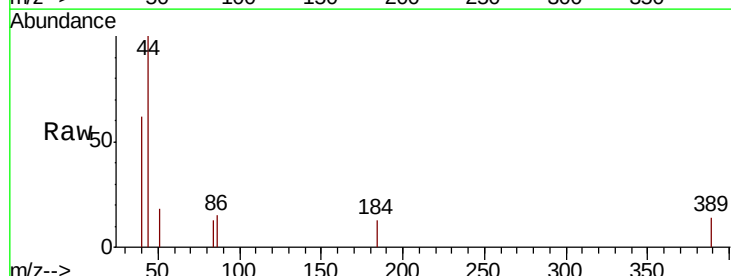


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG0
Ion 89.00 (88.70 to 89.70): BG0

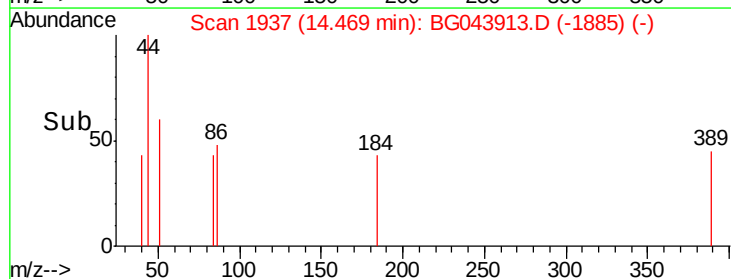
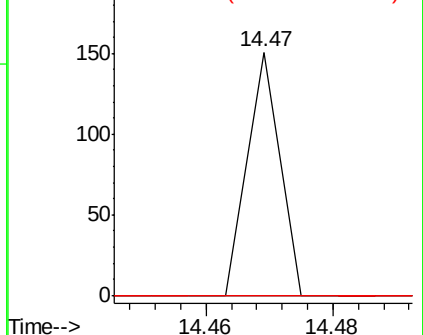


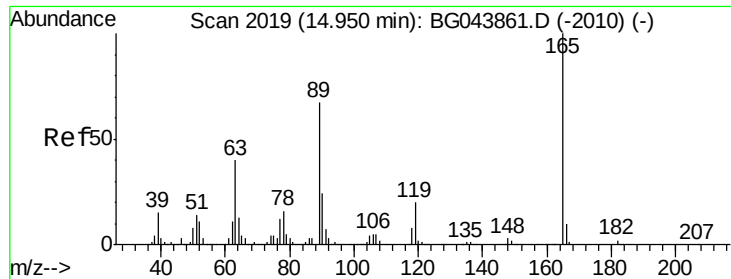
#54
2,4-Dinitrophenol
Concen: 5.499 ng
RT: 14.47 min Scan# 1937
Delta R.T. -0.22 min
Lab File: BG043913.D
Acq: 4 Jan 2020 8:59

Tgt Ion	Ratio	Lower	Upper
184	100		
63	0.0	46.6	70.0#
154	0.0	50.2	75.4#



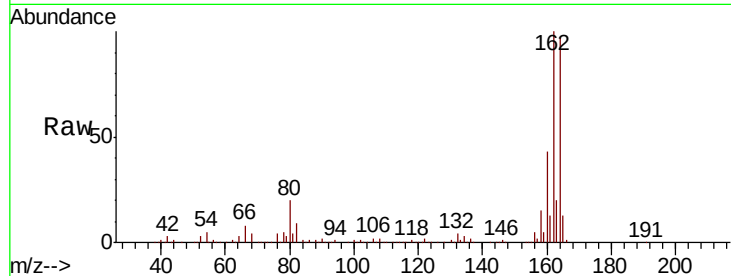
Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG0
Ion 154.00 (153.70 to 154.70): E





#57
 2,4-Dinitrotoluene
 Concen: 6.143 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. -0.36 min
 Lab File: BG043913.D
 Acq: 4 Jan 2020 8:59

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	31.9	47.9#
89	1.0	53.8	80.6#
182	0.0	2.0	3.0#

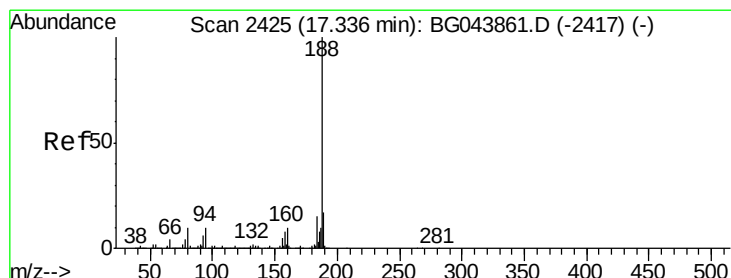
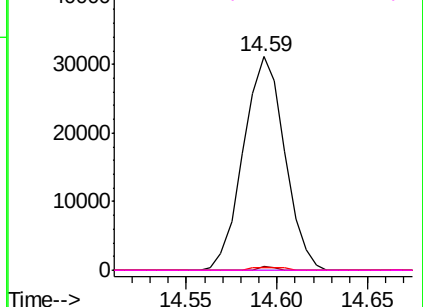
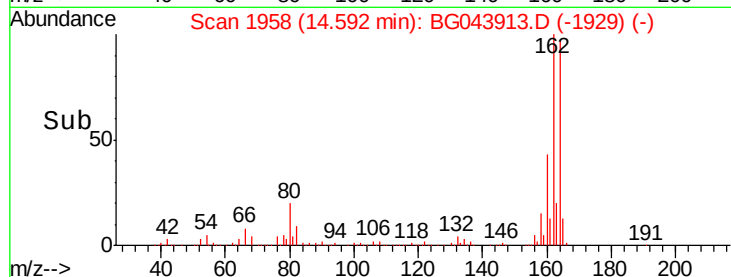


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

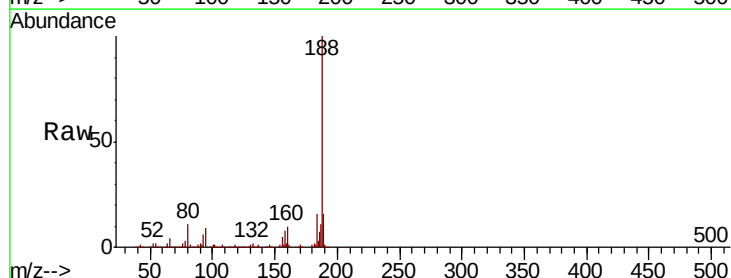
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.34 min Scan# 2425
 Delta R.T. 0.00 min
 Lab File: BG043913.D
 Acq: 4 Jan 2020 8:59

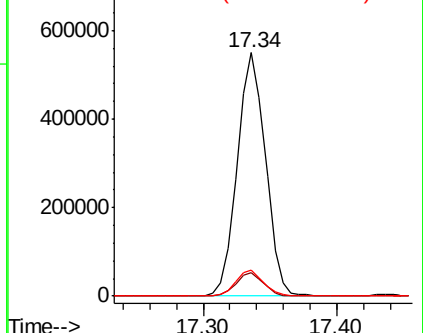
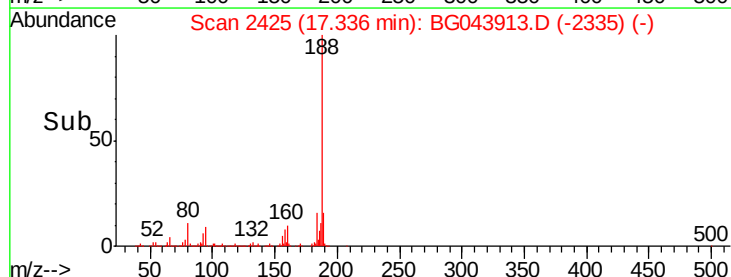
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.9	11.9
80	10.9	8.2	12.4

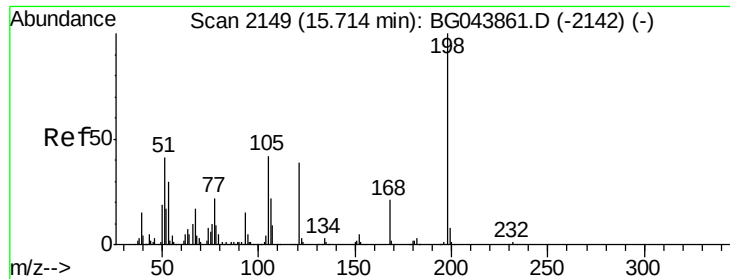


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

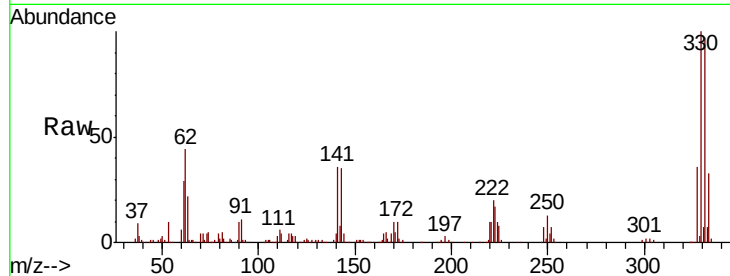
Ion 80.00 (79.70 to 80.70): BGC



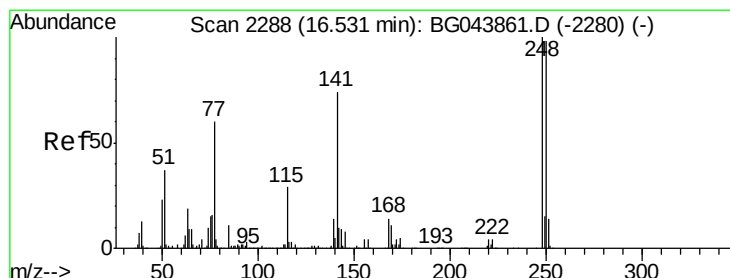
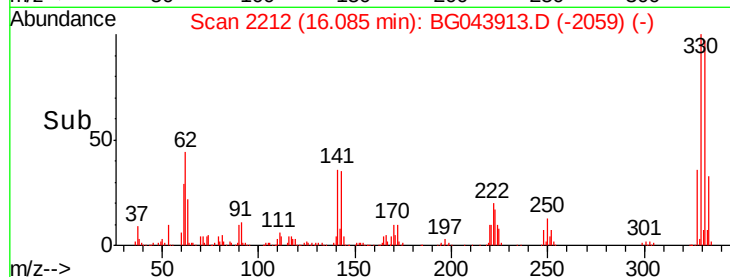
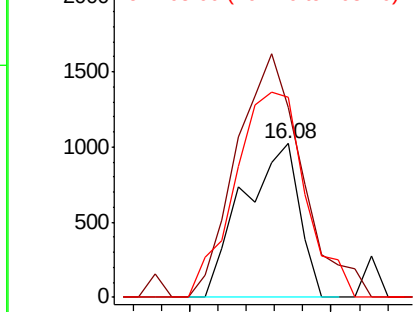


#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.698 ng
 RT: 16.08 min Scan# 2212
 Delta R.T. 0.37 min
 Lab File: BG043913.D
 Acq: 4 Jan 2020 8:59

Tot Ion	Ratio	Lower	Upper
198	100		
51	123.8	22.5	62.5#
105	130.0	22.3	62.3#

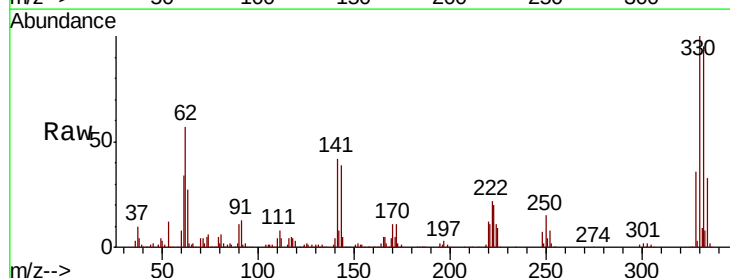


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

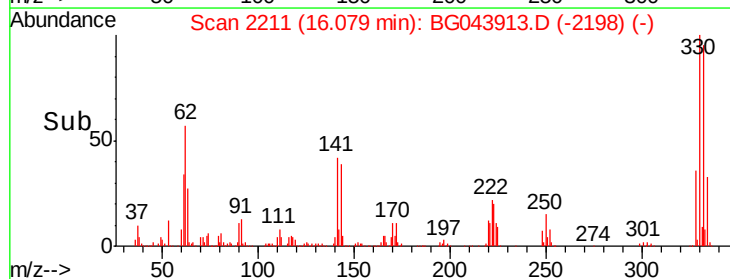
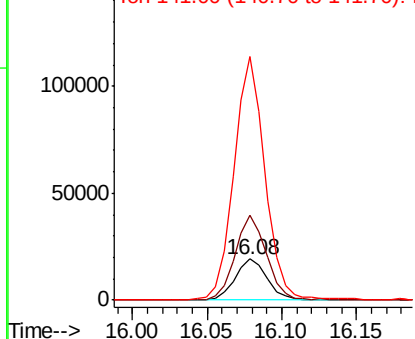


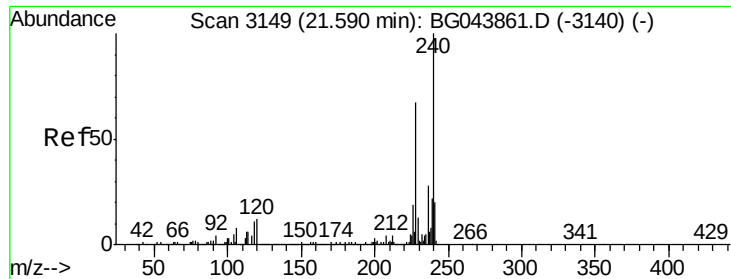
#67
 4-Bromophenyl-phenylether
 Concen: 3.152 ng
 RT: 16.08 min Scan# 2211
 Delta R.T. -0.45 min
 Lab File: BG043913.D
 Acq: 4 Jan 2020 8:59

Tgt Ion	Ratio	Lower	Upper
248	100		
250	207.0	78.2	117.2#
141	595.0	59.3	88.9#



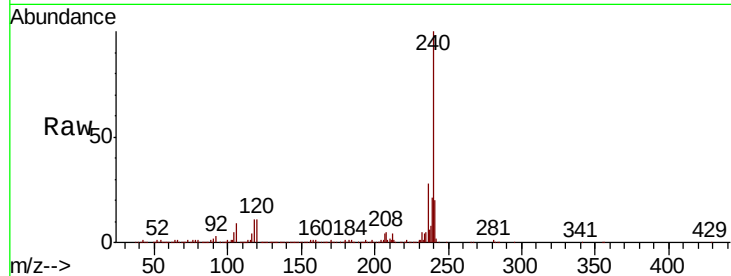
Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E



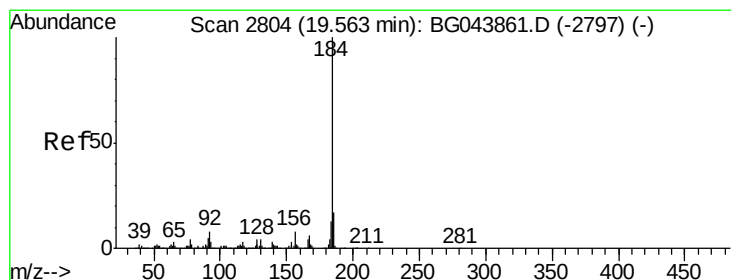
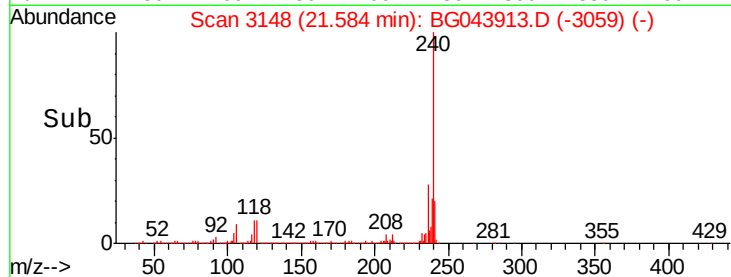
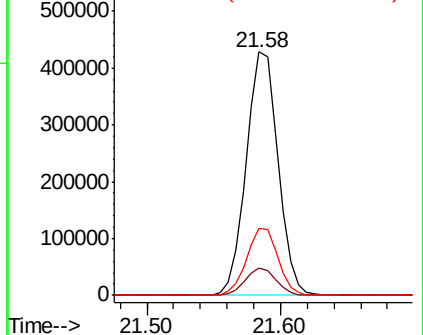


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.58 min Scan# 3148
 Delta R.T. -0.01 min
 Lab File: BG043913.D
 Acq: 4 Jan 2020 8:59

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.6	14.4
236	27.6	22.2	33.2

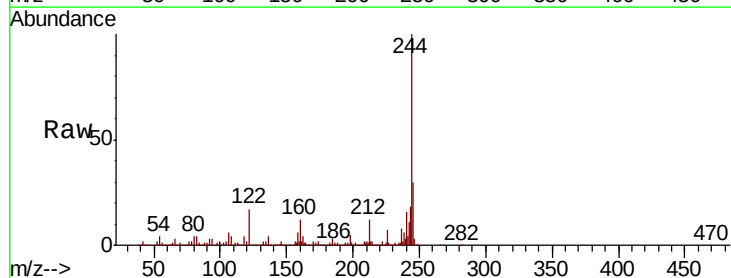


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

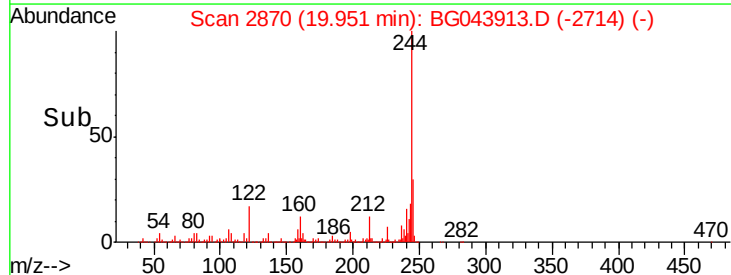
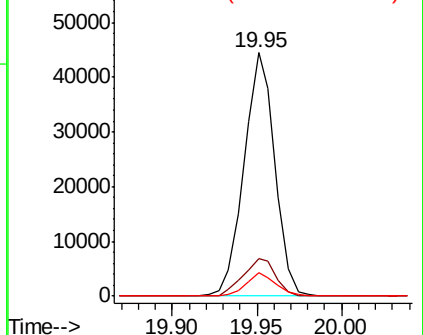


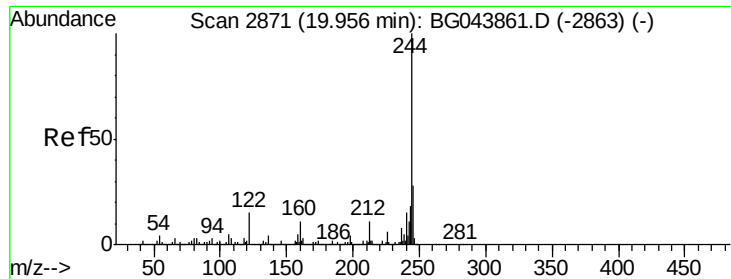
#77
 Benzidine
 Concen: 3.191 ng
 RT: 19.95 min Scan# 2870
 Delta R.T. 0.39 min
 Lab File: BG043913.D
 Acq: 4 Jan 2020 8:59

Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.3	13.4	20.0
183	9.9	10.6	15.8



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: 91.258 ng

RT: 19.95 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BG043913.D

Acq: 4 Jan 2020 8:59

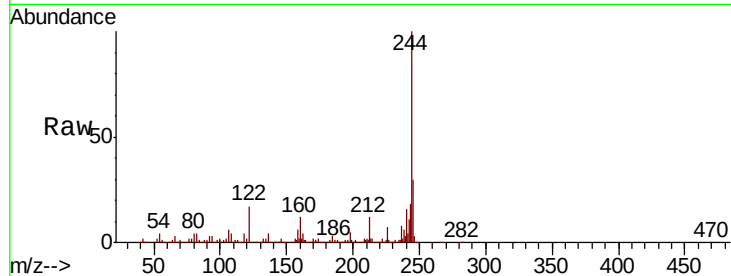
Tot Ion:244 Resp: 2609348

Ion Ratio Lower Upper

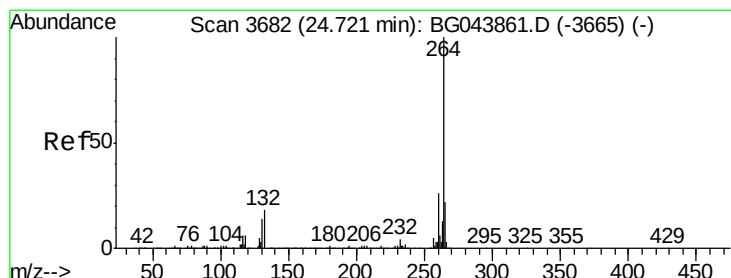
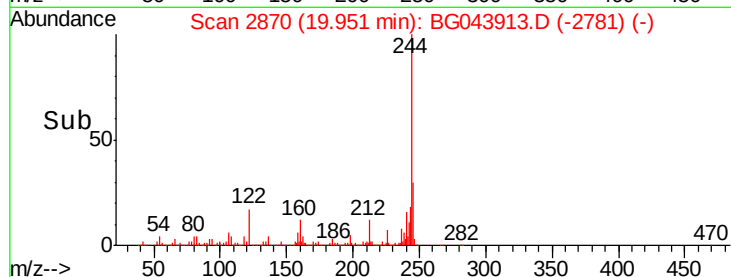
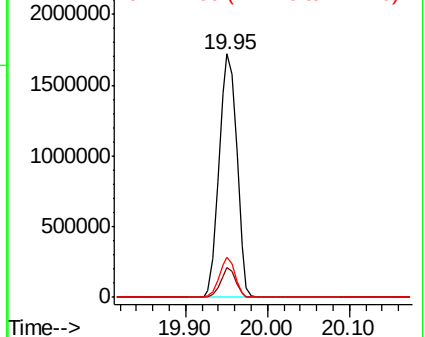
244 100

212 12.0 8.6 13.0

122 16.6 11.9 17.9



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: 24.72 min Scan# 3681

Delta R.T. -0.01 min

Lab File: BG043913.D

Acq: 4 Jan 2020 8:59

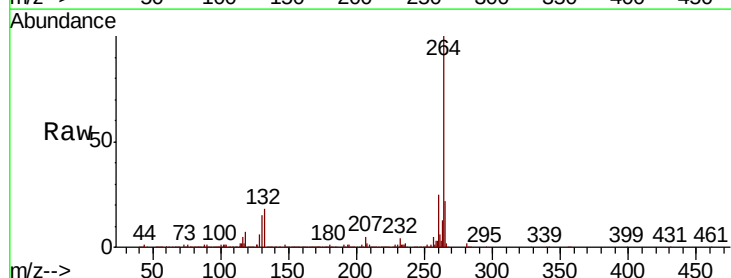
Tgt Ion:264 Resp: 769645

Ion Ratio Lower Upper

264 100

260 24.9 20.4 30.6

265 21.8 17.4 26.2



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

