

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010320\
 Data File : BG043922.D
 Acq On : 4 Jan 2020 14:50
 Operator : JU
 Sample : K6449-03
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jan 06 04:32:07 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	134814	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	592206	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	395628	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	818466	20.00	ng	0.00
76) Chrysene-d12	21.59	240	692184	20.00	ng	0.00
87) Perylene-d12	24.72	264	792385	20.00	ng	0.00

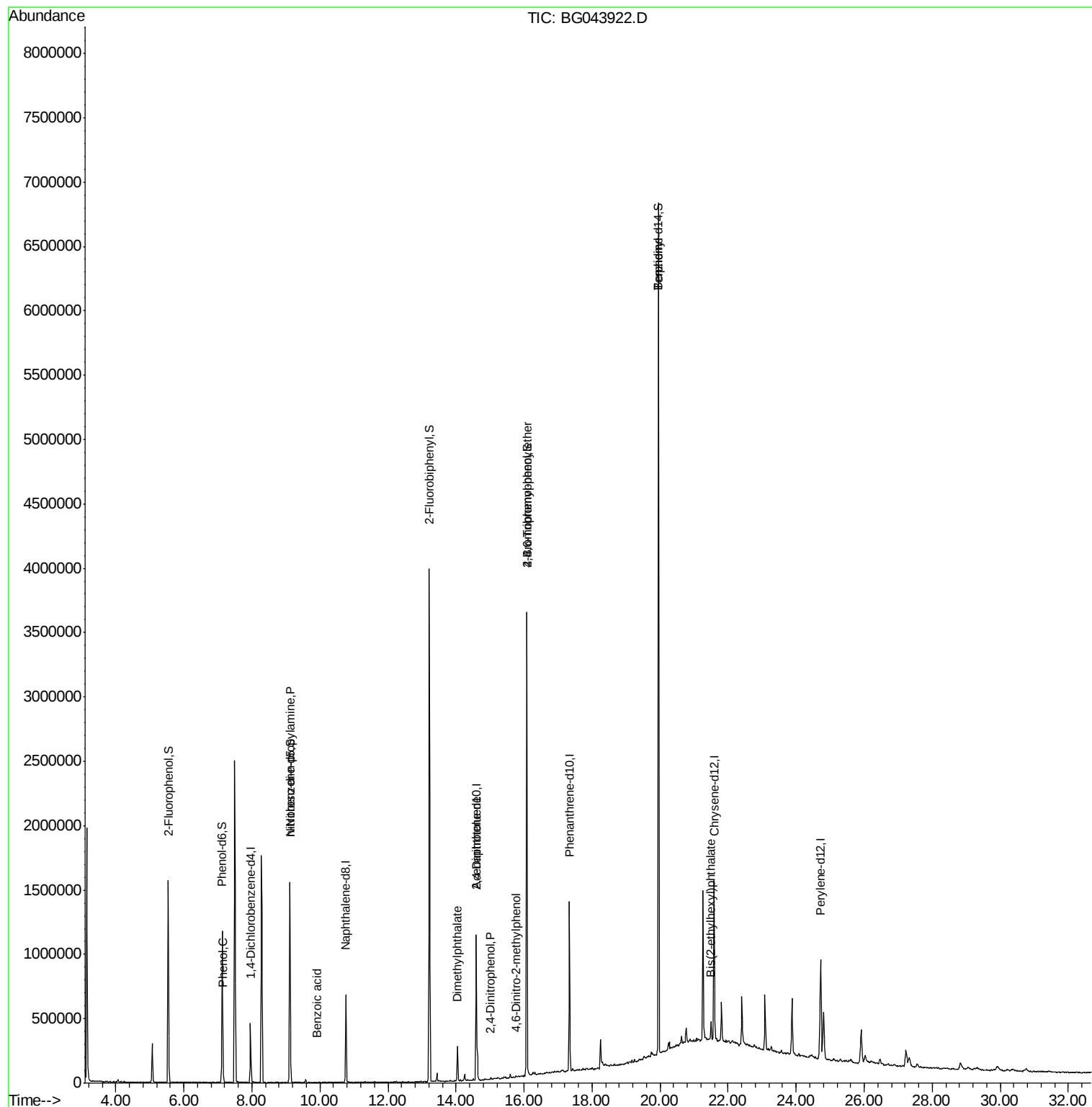
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	729158	99.31	ng	0.00
7) Phenol-d6	7.13	99	709543	69.13	ng	0.00
23) Nitrobenzene-d5	9.12	82	957097	86.46	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	613323	148.14	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	2012741	92.17	ng	0.00
79) Terphenyl-d14	19.95	244	2637351	94.58	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.15	94	36609	3.462	ng	91
19) n-Nitroso-di-n-propylamine	9.12	70	129189	16.903	ng	# 78
32) Benzoic acid	9.92	122	69	6.271	ng	# 1
50) Dimethylphthalate	14.04	163	184632	6.573	ng	97
54) 2,4-Dinitrophenol	15.02	184	69	5.503	ng	# 20
57) 2,4-Dinitrotoluene	14.59	165	52417	6.067	ng	# 26
65) 4,6-Dinitro-2-methylphenol	15.78	198	101	4.412	ng	# 1
67) 4-Bromophenyl-phenylether	16.08	248	45419	4.934	ng	# 1
77) Benzidine	19.95	184	59823	3.438	ng	# 94
84) Bis(2-ethylhexyl)phthalate	21.50	149	62460	2.104	ng	97

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

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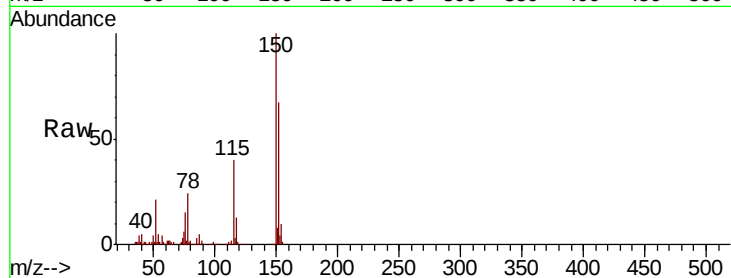




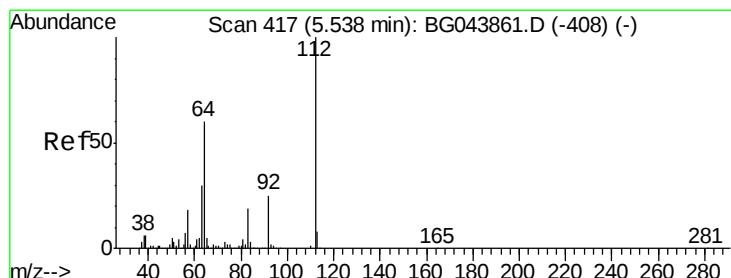
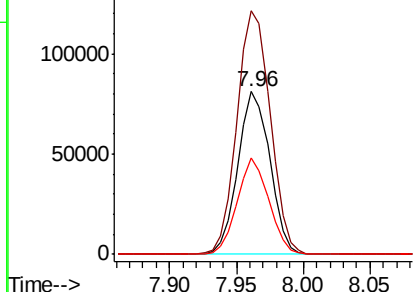
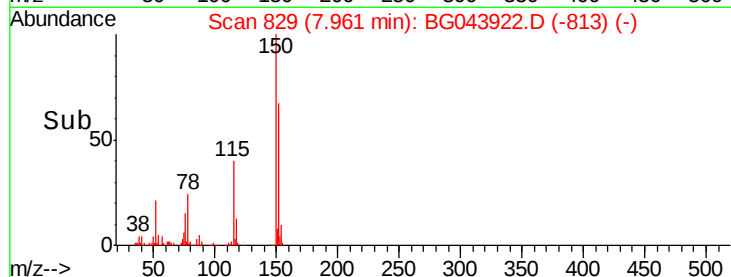
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 829
Delta R.T. -0.00 min
Lab File: BG043922.D
Acq: 4 Jan 2020 14:50

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.0	127.0	190.4
115	59.3	47.8	71.8



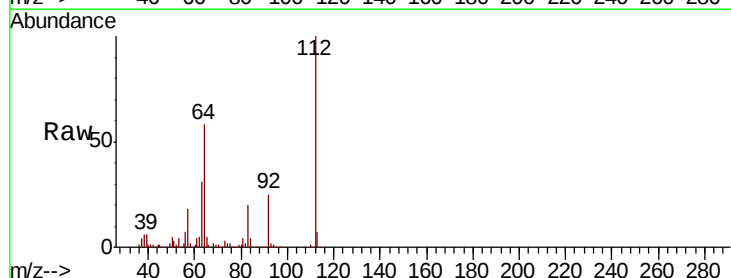
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



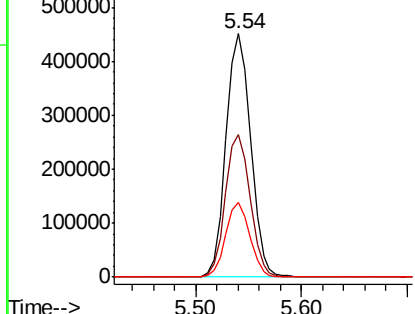
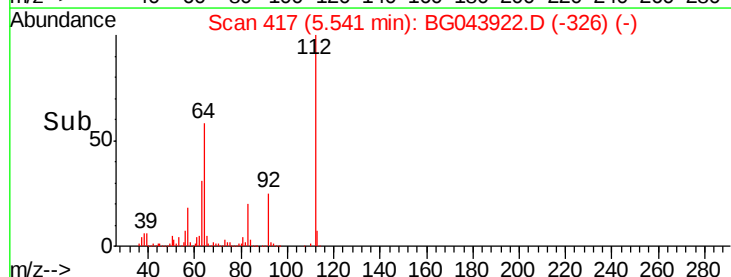
#5

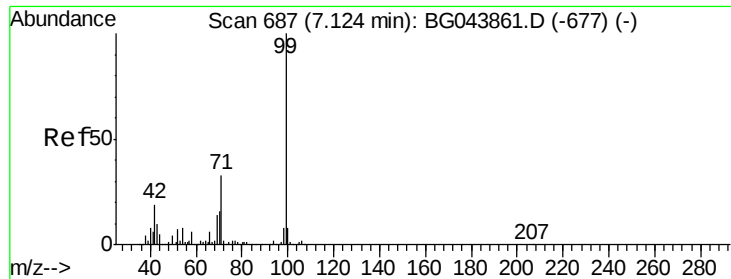
2-Fluorophenol
Concen: 99.309 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG043922.D
Acq: 4 Jan 2020 14:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	47.8	71.6
63	30.8	24.3	36.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 69.134 ng

RT: 7.13 min Scan# 687

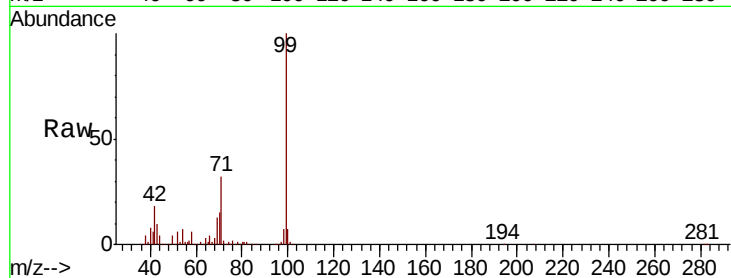
Delta R.T. 0.00 min

Lab File: BG043922.D

Acq: 4 Jan 2020 14:50

Tot Ion: 99 Resp: 709543

Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.9	22.3
71	31.6	26.4	39.6

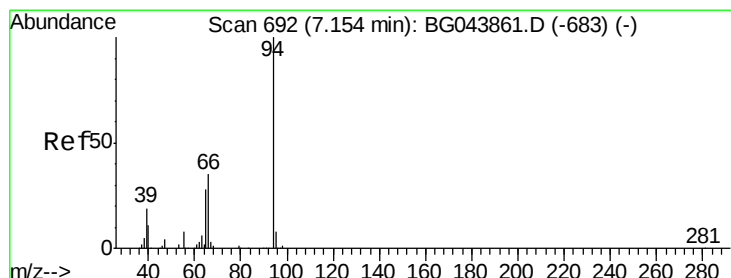
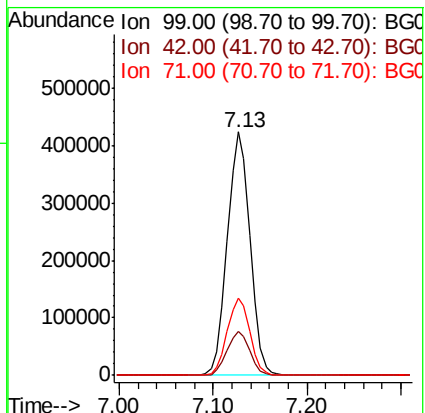
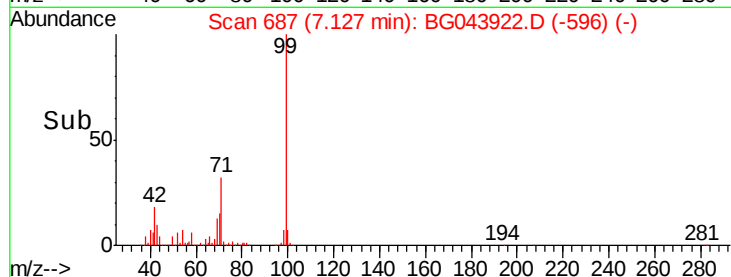


Abundance

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



#10

Phenol

Concen: 3.462 ng

RT: 7.15 min Scan# 691

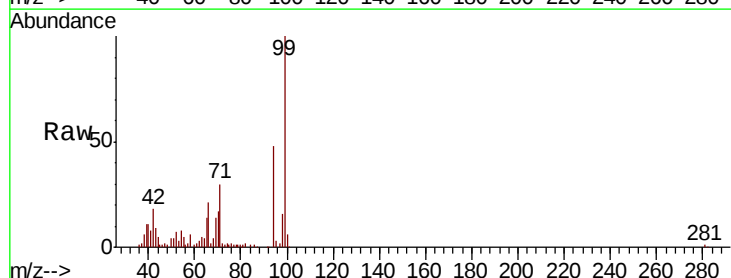
Delta R.T. -0.00 min

Lab File: BG043922.D

Acq: 4 Jan 2020 14:50

Tgt Ion: 94 Resp: 36609

Ion	Ratio	Lower	Upper
94	100		
65	29.0	8.1	48.1
66	44.2	15.6	55.6

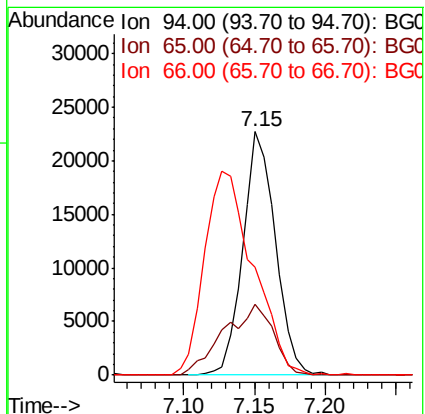
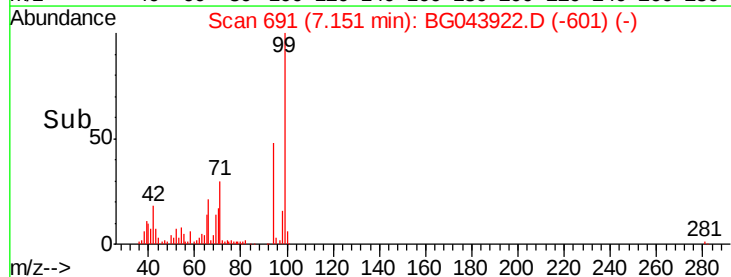


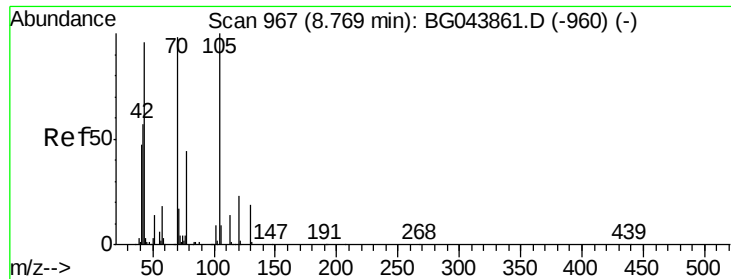
Abundance

Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

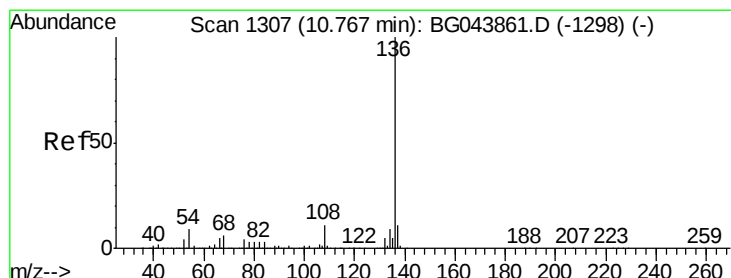
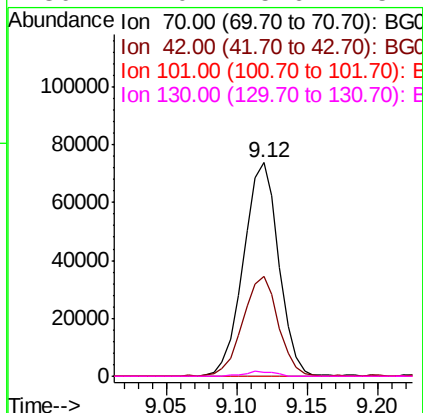
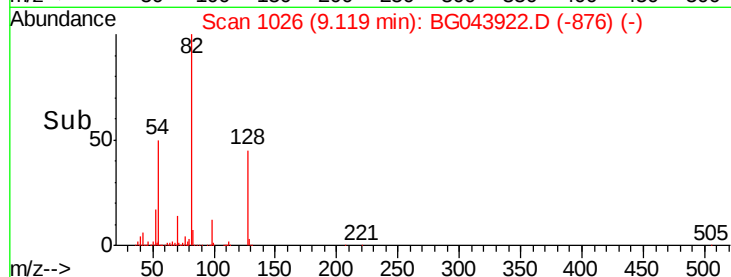
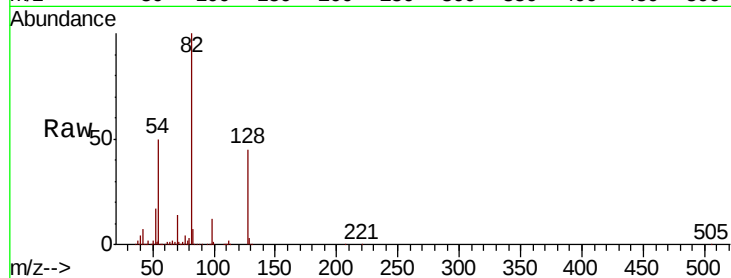
Ion 66.00 (65.70 to 66.70): BGC





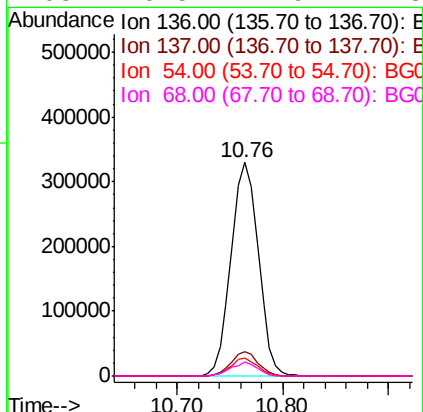
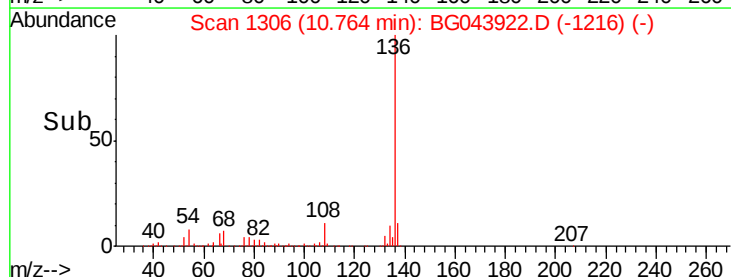
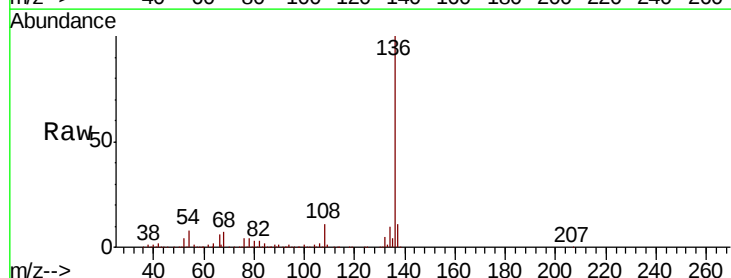
#19
n-Nitroso-di-n-propylamine
Concen: 16.903 ng
RT: 9.12 min Scan# 1026
Delta R.T. 0.35 min
Lab File: BG043922.D
Acq: 4 Jan 2020 14:50

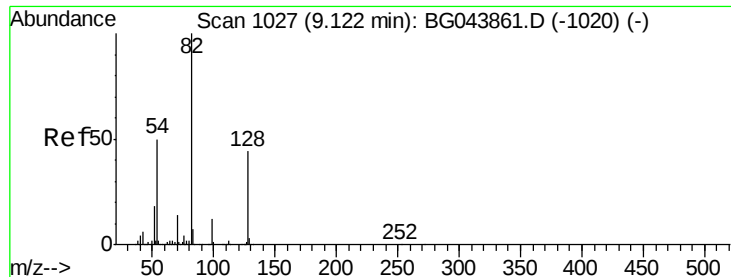
Tot Ion:	70	Resp:	129189
Ion	Ratio	Lower	Upper
70	100		
42	47.0	47.0	70.4
101	0.0	7.2	10.8#
130	2.0	15.6	23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BG043922.D
Acq: 4 Jan 2020 14:50

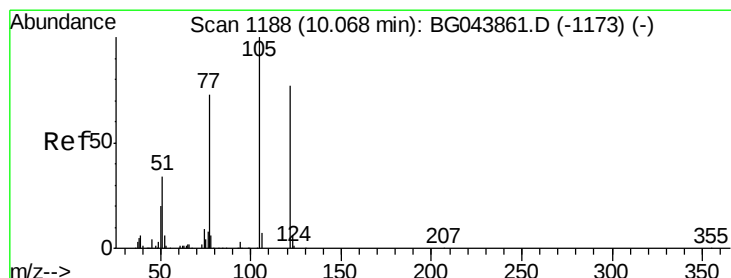
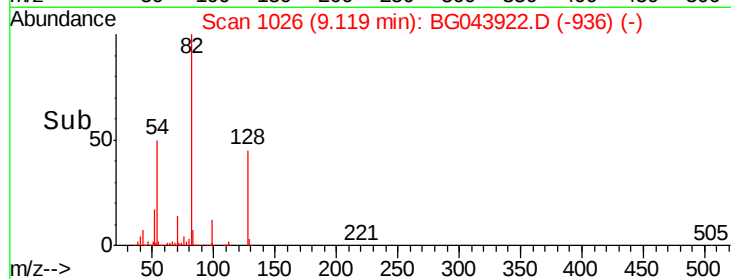
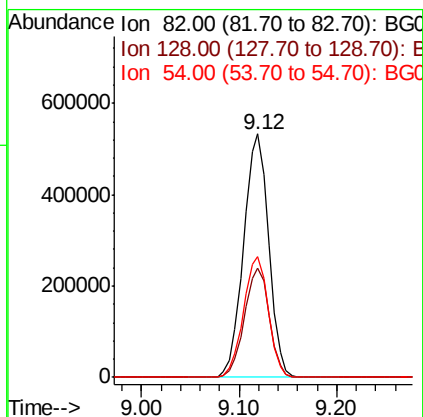
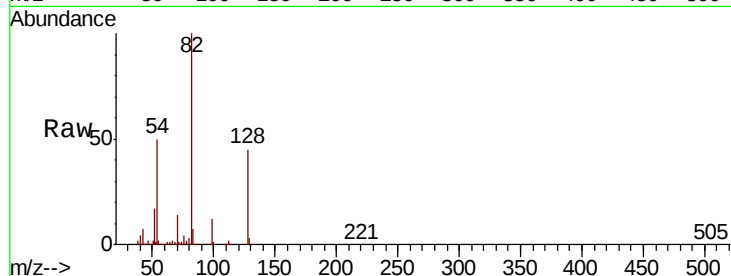
Tgt Ion:	136	Resp:	592206
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	8.2	7.0	10.4
68	6.5	4.9	7.3





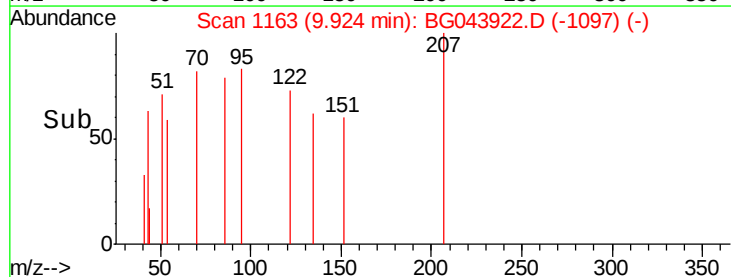
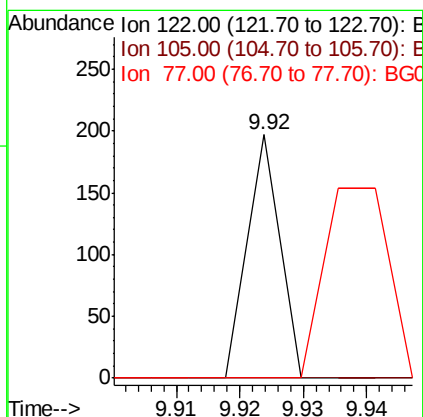
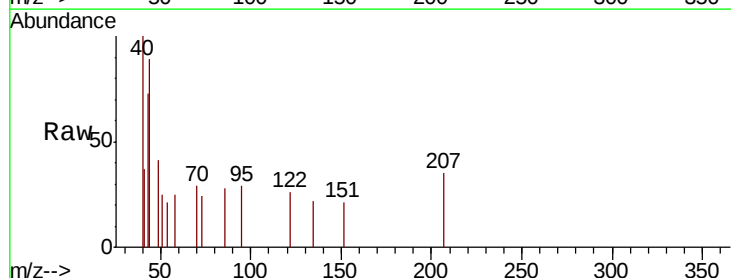
#23
Nitrobenzene-d5
Concen: 86.458 ng
RT: 9.12 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BG043922.D
Acq: 4 Jan 2020 14:50

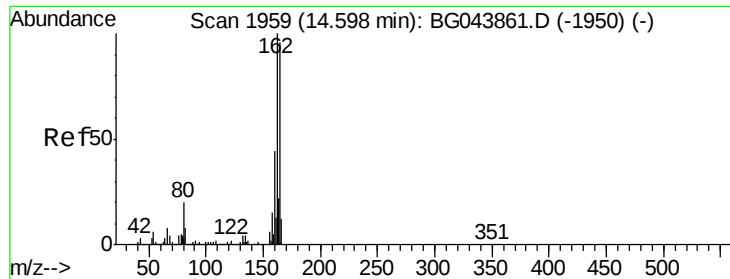
Tot Ion	82	Resp	957097
Ion Ratio	100	Lower	Upper
128	44.8	35.1	52.7
54	49.8	40.1	60.1



#32
Benzoic acid
Concen: 6.271 ng
RT: 9.92 min Scan# 1163
Delta R.T. -0.14 min
Lab File: BG043922.D
Acq: 4 Jan 2020 14:50

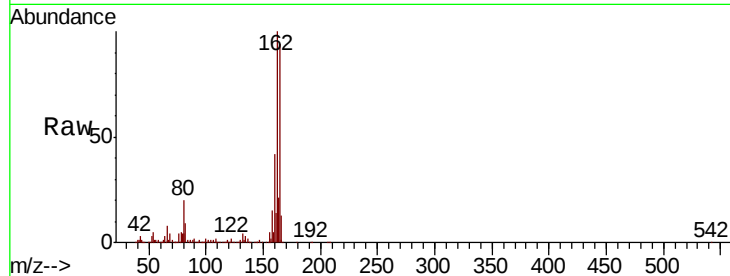
Tgt Ion	122	Resp	69
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
105	0.0	106.4	146.4#
77	0.0	74.6	114.6#



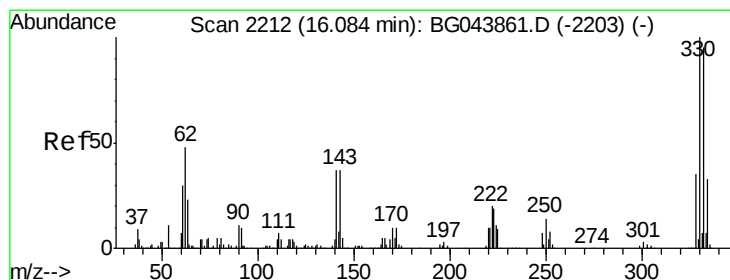
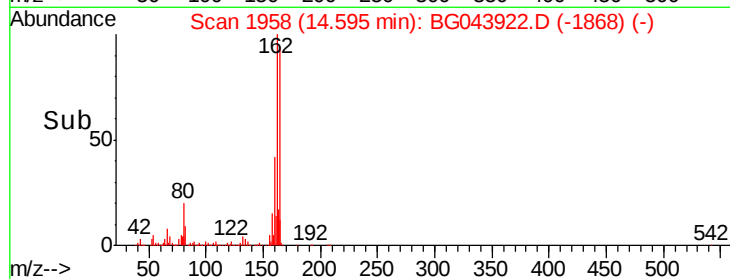
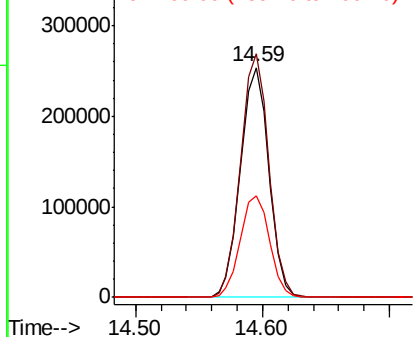


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.00 min
Lab File: BG043922.D
Acq: 4 Jan 2020 14:50

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.8	83.0	124.4
160	44.2	36.1	54.1

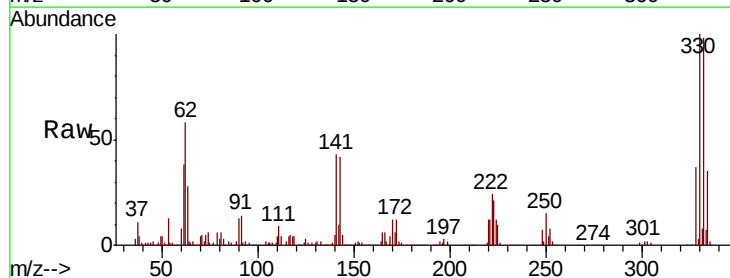


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

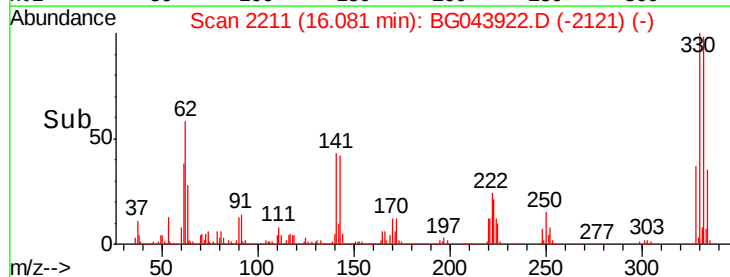
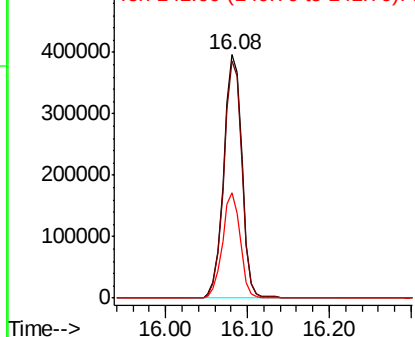


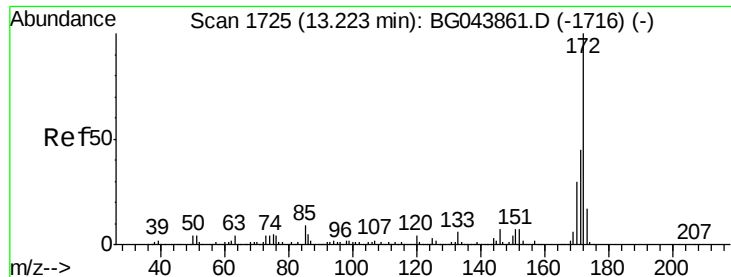
#42
2,4,6-Tribromophenol
Concen: 148.140 ng
RT: 16.08 min Scan# 2211
Delta R.T. -0.00 min
Lab File: BG043922.D
Acq: 4 Jan 2020 14:50

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.2	115.8
141	42.1	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

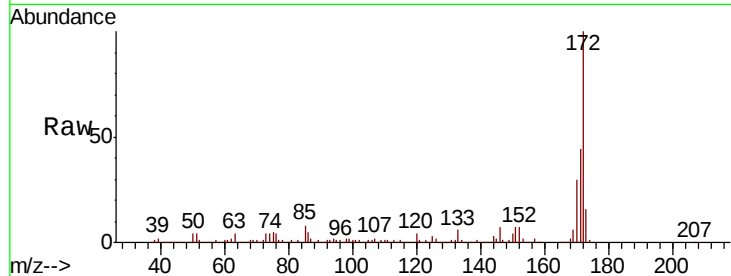




#45
2-Fluorobiphenyl
Concen: 92.173 ng
RT: 13.22 min Scan# 1724
Delta R.T. -0.00 min
Lab File: BG043922.D
Acq: 4 Jan 2020 14:50

Tot Ion:172 Resp: 2012741

Ion	Ratio	Lower	Upper
172	100		
171	43.7	35.8	53.8
170	30.2	24.2	36.4

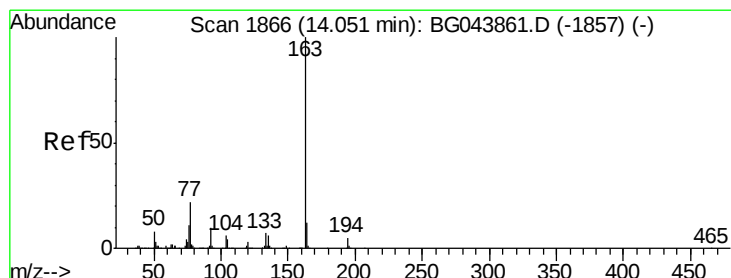
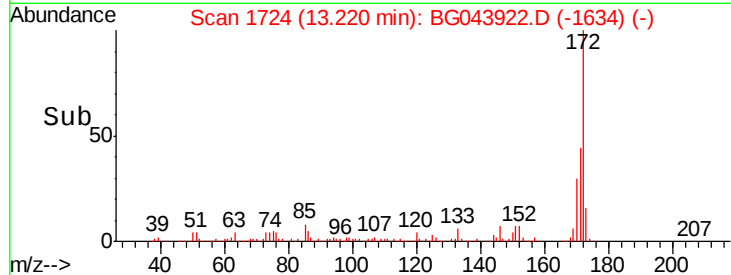
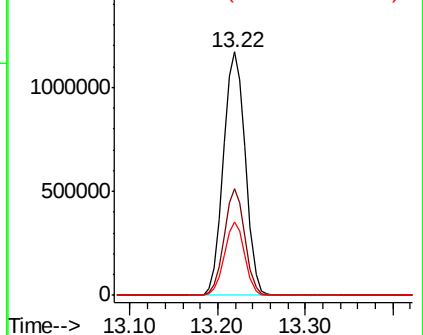


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

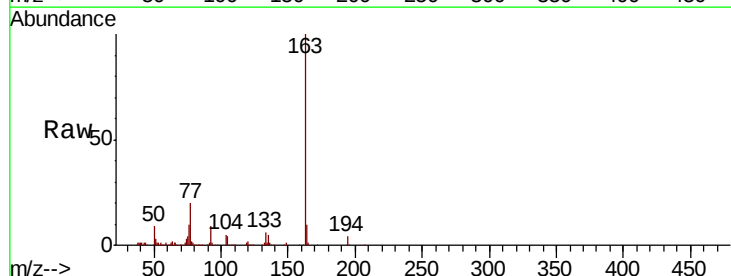
Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 6.573 ng
RT: 14.04 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BG043922.D
Acq: 4 Jan 2020 14:50

Tgt Ion:163 Resp: 184632

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.7	5.5
164	10.2	9.3	13.9

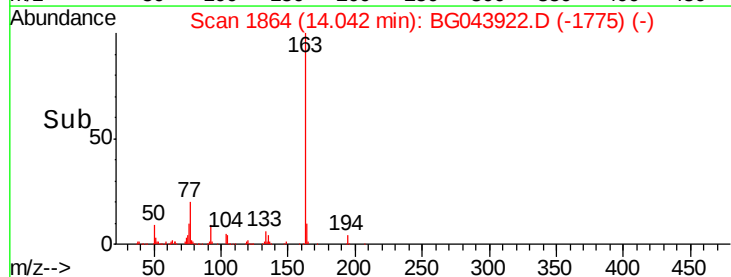
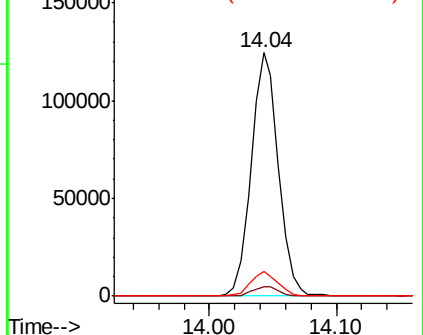


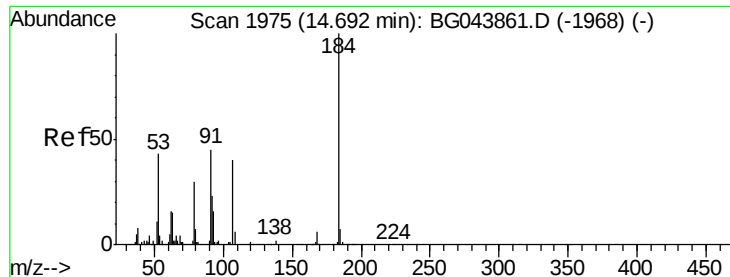
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

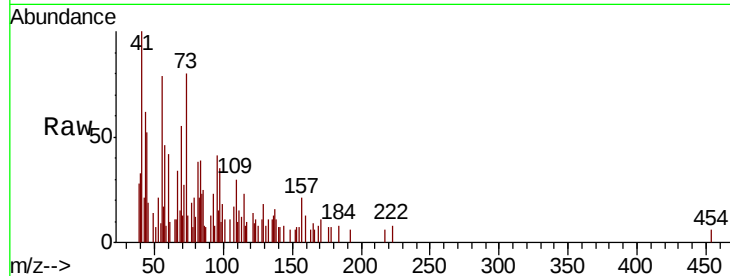
Ion 164.00 (163.70 to 164.70): E



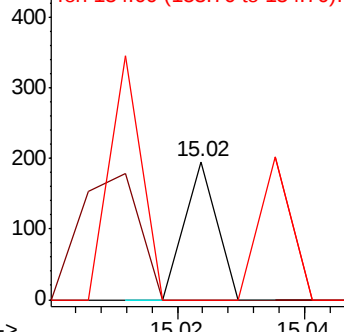


#54
2,4-Dinitrophenol
Concen: 5.503 ng
RT: 15.02 min Scan# 2031
Delta R.T. 0.33 min
Lab File: BG043922.D
Acq: 4 Jan 2020 14:50

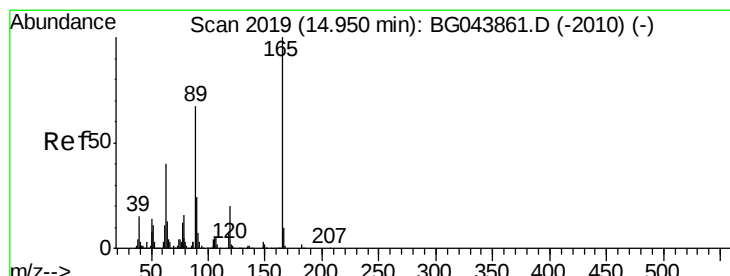
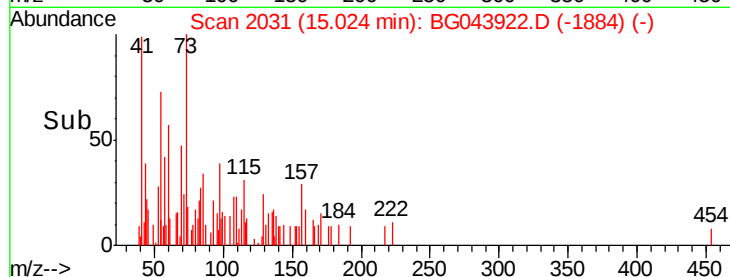
Tot Ion:184 Resp: 69
Ion Ratio Lower Upper
184 100
63 0.0 46.6 70.0#
154 0.0 50.2 75.4#



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

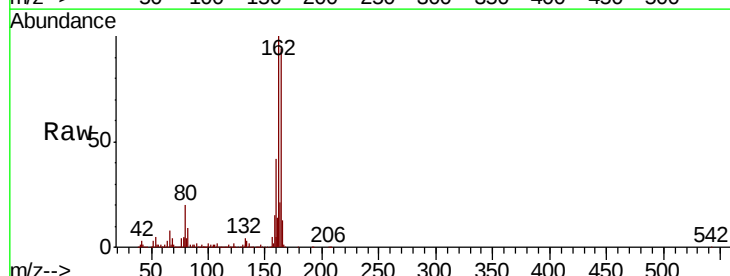


Time-->

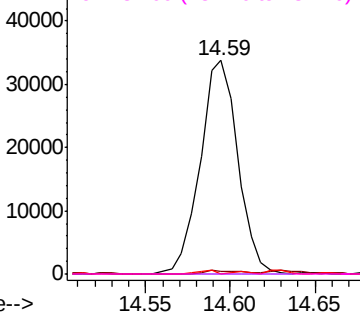


#57
2,4-Dinitrotoluene
Concen: 6.067 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.36 min
Lab File: BG043922.D
Acq: 4 Jan 2020 14:50

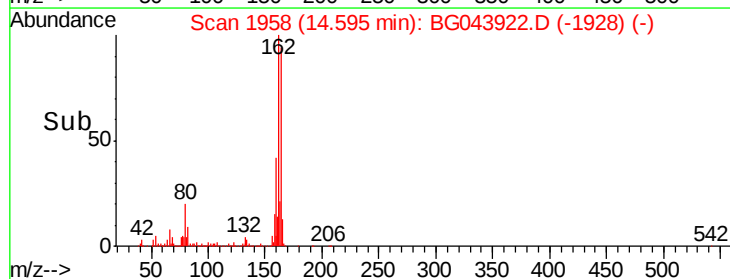
Tgt Ion:165 Resp: 52417
Ion Ratio Lower Upper
165 100
63 1.1 31.9 47.9#
89 0.0 53.8 80.6#
182 0.0 2.0 3.0#

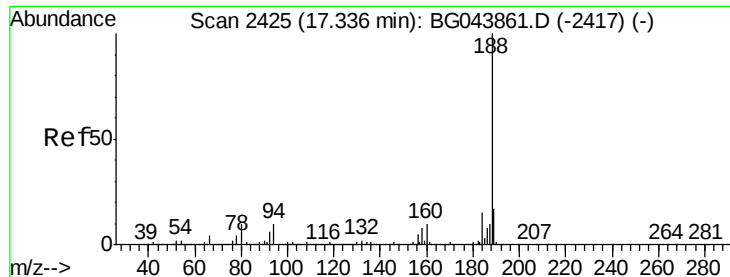


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E



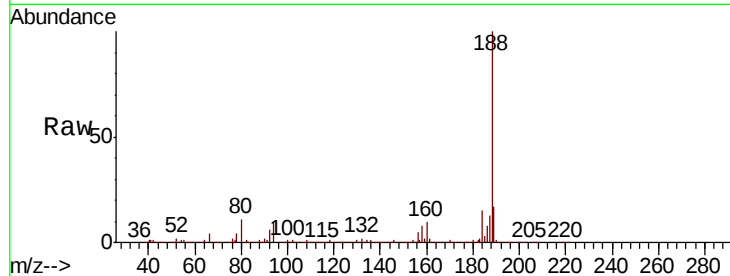
Time-->



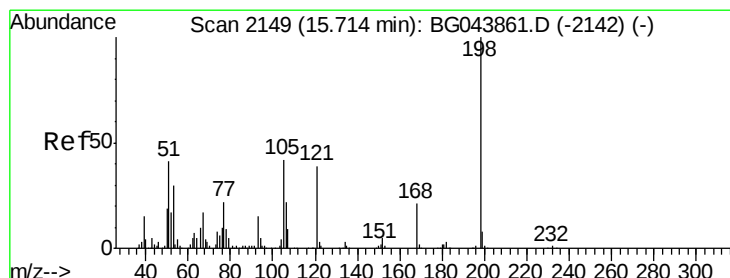
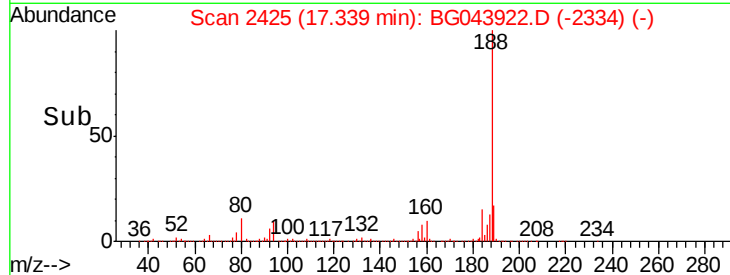
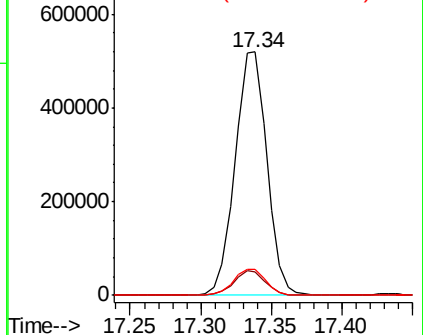


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.34 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BG043922.D
Acq: 4 Jan 2020 14:50

Tot Ion:188 Resp: 818466
Ion Ratio Lower Upper
188 100
94 9.6 7.9 11.9
80 10.8 8.2 12.4

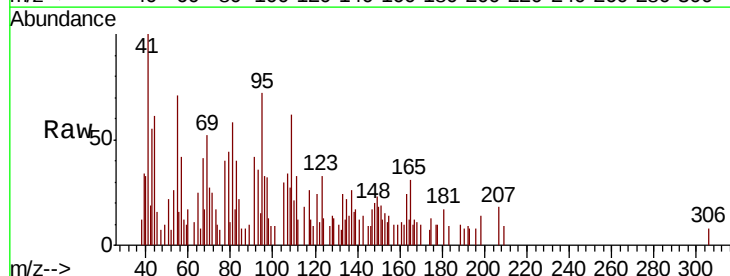


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

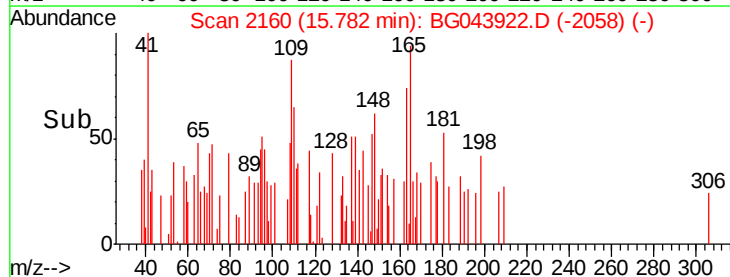
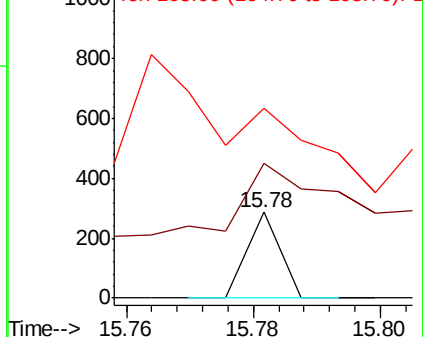


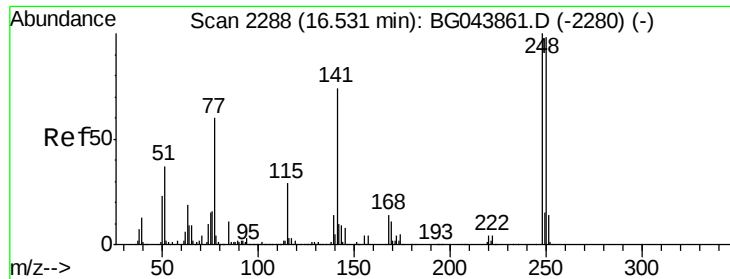
#65
4,6-Dinitro-2-methylphenol
Concen: 4.412 ng
RT: 15.78 min Scan# 2160
Delta R.T. 0.07 min
Lab File: BG043922.D
Acq: 4 Jan 2020 14:50

Tgt Ion:198 Resp: 101
Ion Ratio Lower Upper
198 100
51 158.0 22.5 62.5#
105 221.0 22.3 62.3#



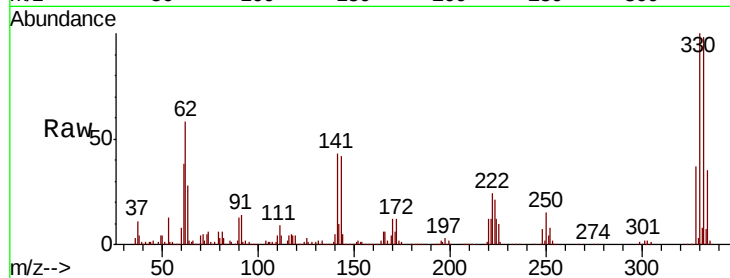
Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E



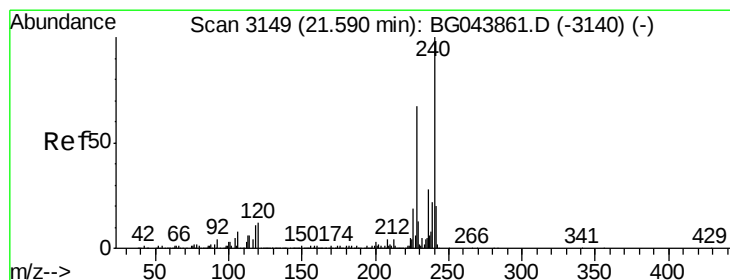
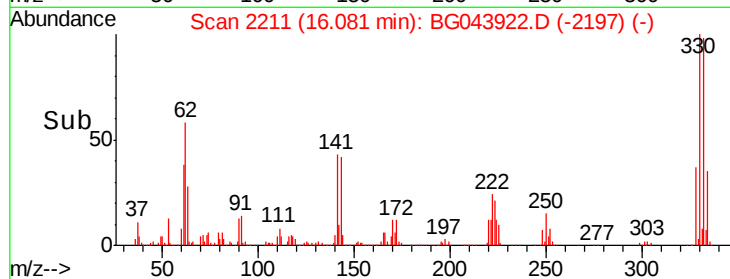
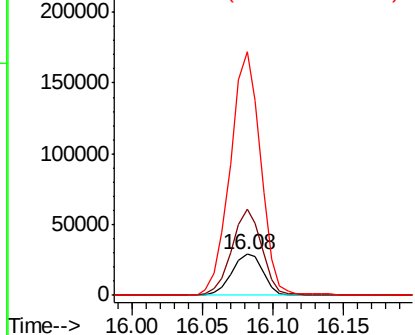


#67
 4-Bromophenyl-phenylether
 Concen: 4.934 ng
 RT: 16.08 min Scan# 2211
 Delta R.T. -0.45 min
 Lab File: BG043922.D
 Acq: 4 Jan 2020 14:50

Tot Ion:248 Resp: 45419
 Ion Ratio Lower Upper
 248 100
 250 208.6 78.2 117.2#
 141 592.6 59.3 88.9#

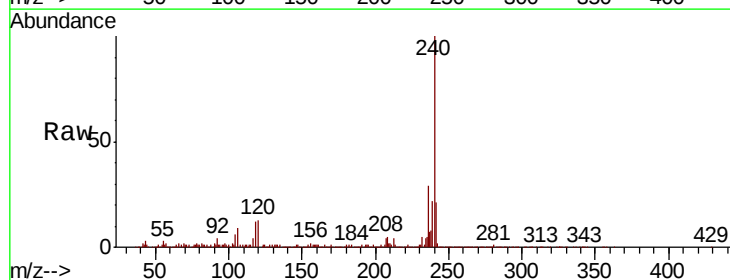


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

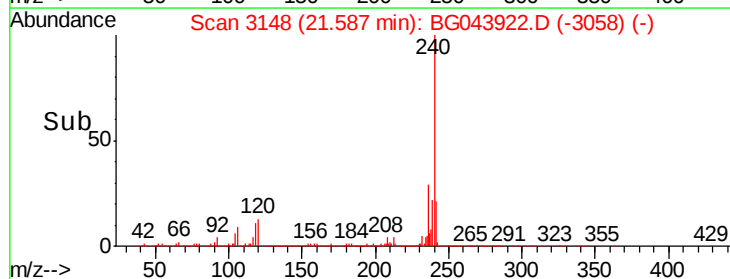
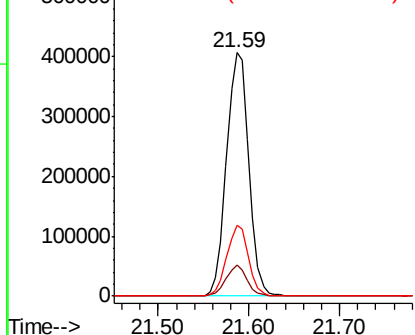


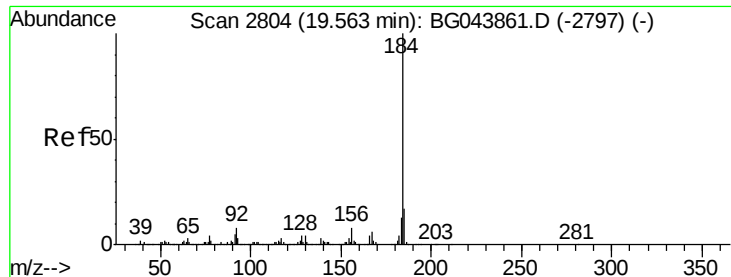
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.59 min Scan# 3148
 Delta R.T. -0.00 min
 Lab File: BG043922.D
 Acq: 4 Jan 2020 14:50

Tgt Ion:240 Resp: 692184
 Ion Ratio Lower Upper
 240 100
 120 12.8 9.6 14.4
 236 28.9 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: 3.438 ng

RT: 19.95 min Scan# 2870

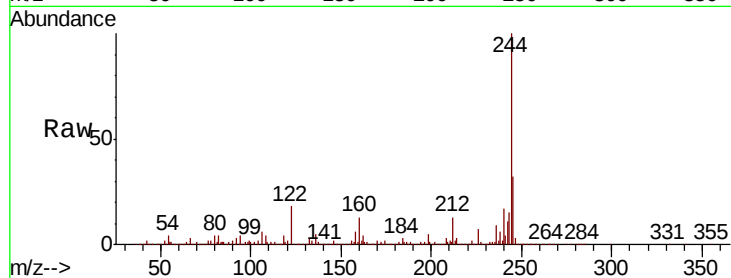
Delta R.T. 0.39 min

Lab File: BG043922.D

Acq: 4 Jan 2020 14:50

Tot Ion:184 Resp: 59823

Ion	Ratio	Lower	Upper
184	100		
185	18.3	13.4	20.0
183	9.9	10.6	15.8

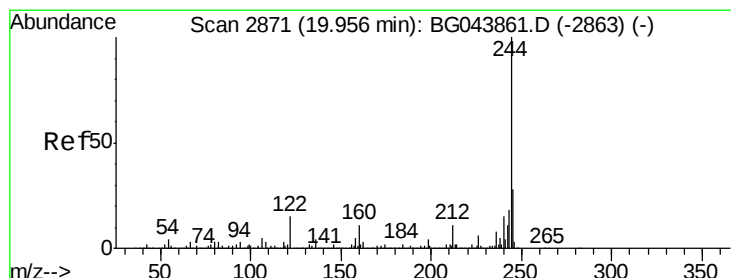
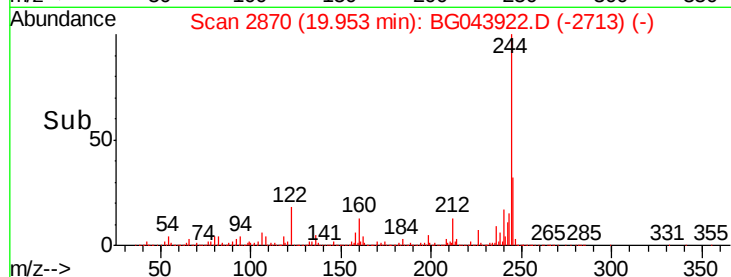
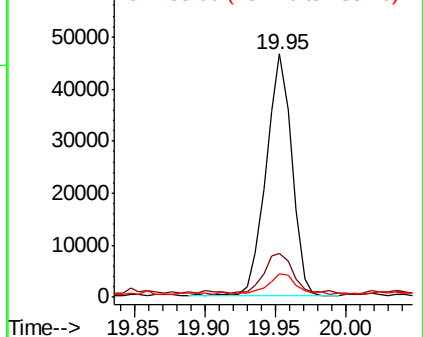


Abundance

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: 94.578 ng

RT: 19.95 min Scan# 2870

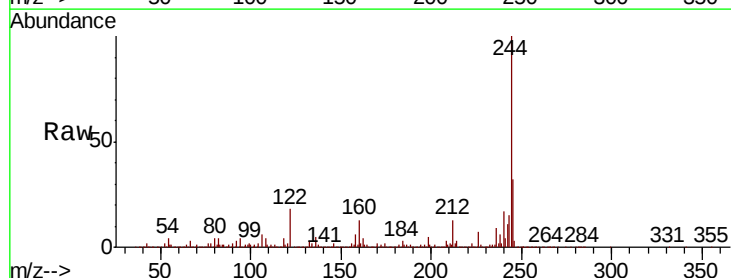
Delta R.T. -0.00 min

Lab File: BG043922.D

Acq: 4 Jan 2020 14:50

Tgt Ion:244 Resp: 2637351

Ion	Ratio	Lower	Upper
244	100		
212	12.8	8.6	13.0
122	17.9	11.9	17.9

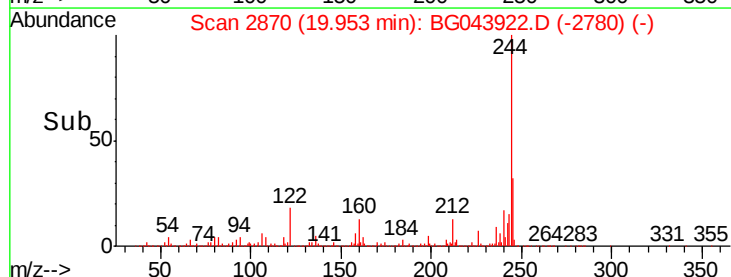
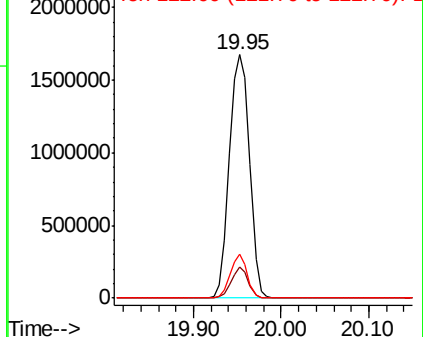


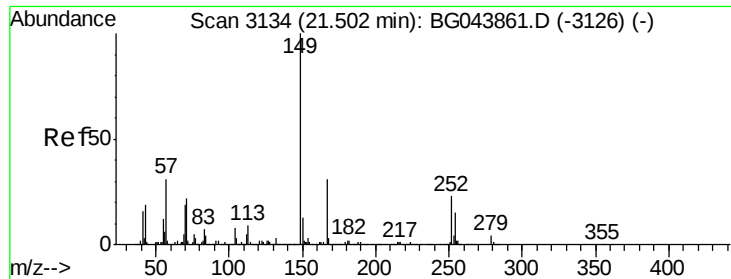
Abundance

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





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.104 ng

RT: 21.50 min Scan# 3133

Delta R.T. -0.00 min

Lab File: BG043922.D

Acq: 4 Jan 2020 14:50

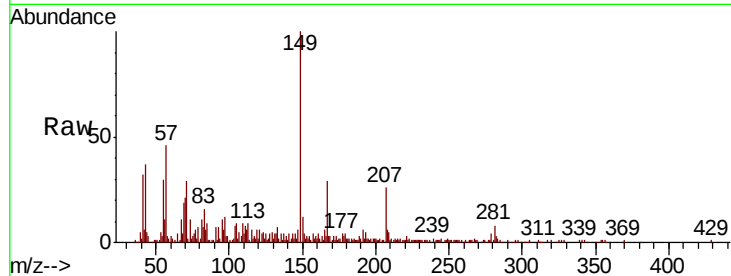
Tot Ion:149 Resp: 62460

Ion Ratio Lower Upper

149 100

167 29.1 24.7 37.1

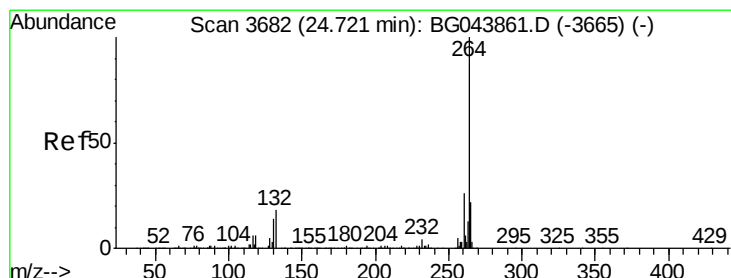
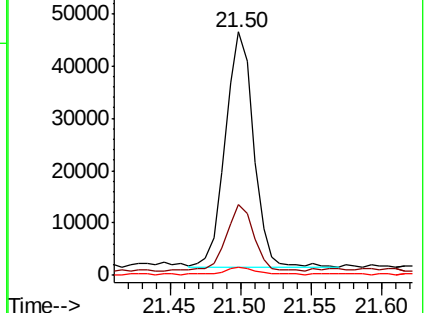
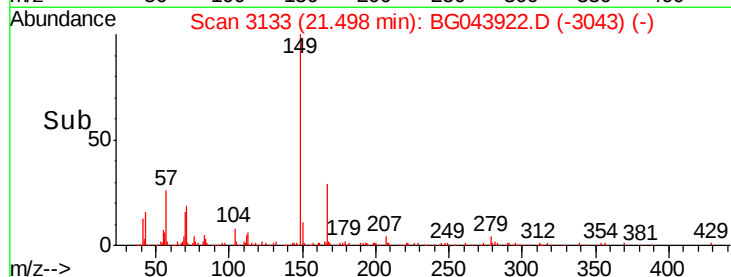
279 3.6 3.3 4.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.72 min Scan# 3681

Delta R.T. -0.00 min

Lab File: BG043922.D

Acq: 4 Jan 2020 14:50

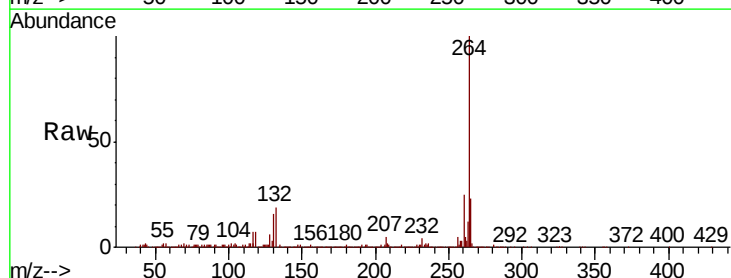
Tgt Ion:264 Resp: 792385

Ion Ratio Lower Upper

264 100

260 24.7 20.4 30.6

265 22.7 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

