

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071420\
 Data File : BG046042.D
 Acq On : 14 Jul 2020 21:09
 Operator : CG/JU
 Sample : L3181-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-070920

Quant Time: Jul 15 00:36:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:58:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	117589	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	458876	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	267691	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	593177	20.00	ng	0.00
76) Chrysene-d12	21.62	240	616843	20.00	ng	0.00
86) Perylene-d12	24.77	264	592912	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	760271	104.85	ng	0.00
7) Phenol-d6	7.17	99	938102	89.86	ng	0.00
23) Nitrobenzene-d5	9.15	82	742395	93.12	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	299847	120.69	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1310364	76.35	ng	0.00
79) Terphenyl-d14	19.98	244	1912009	68.98	ng	0.00

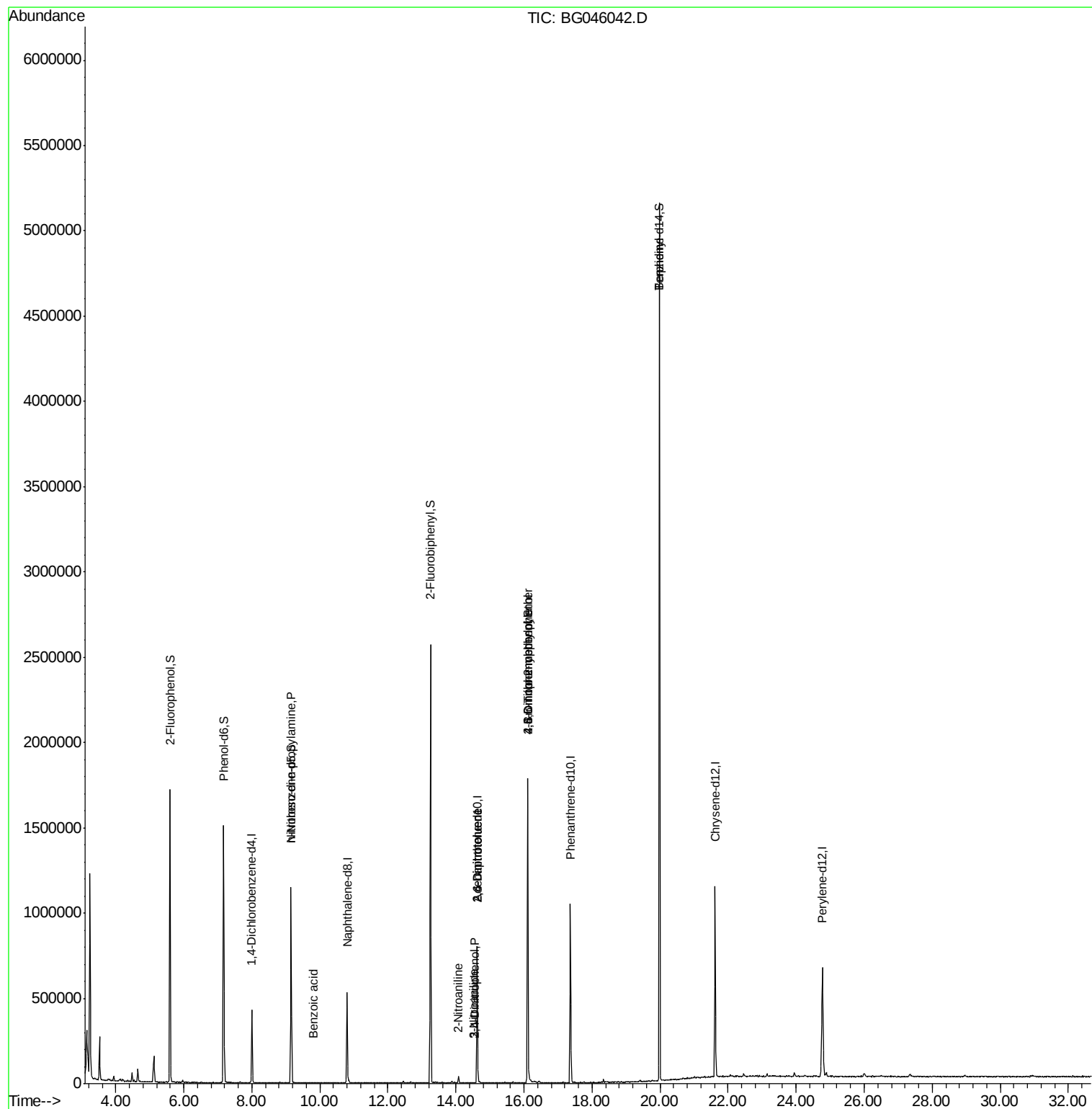
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.15	70	98734	13.463	ng	# 78
32) Benzoic acid	9.80	122	88	6.525	ng	# 1
48) 2-Nitroaniline	14.06	65	172	3.406	ng	# 1
51) 2,6-Dinitrotoluene	14.62	165	35147	12.418	ng	# 20
53) 3-Nitroaniline	14.51	138	54	2.995	ng	# 1
54) 2,4-Dinitrophenol	14.55	184	56	6.149	ng	# 17
57) 2,4-Dinitrotoluene	14.62	165	35147	10.958	ng	# 22
65) 4,6-Dinitro-2-methylphenol	16.11	198	1444	7.397	ng	# 1
67) 4-Bromophenyl-phenylether	16.11	248	20830	3.144	ng	# 1
77) Benzidine	19.98	184	38665	2.192	ng	97

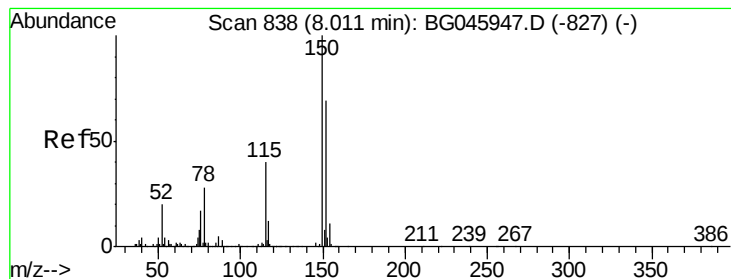
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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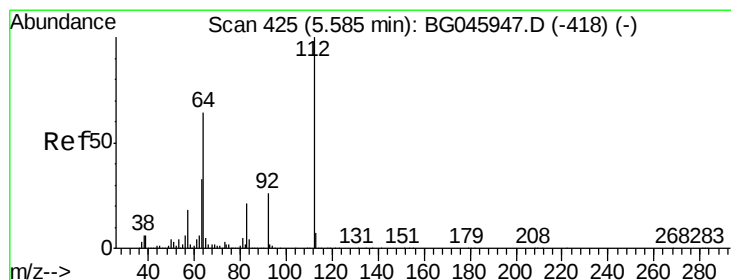
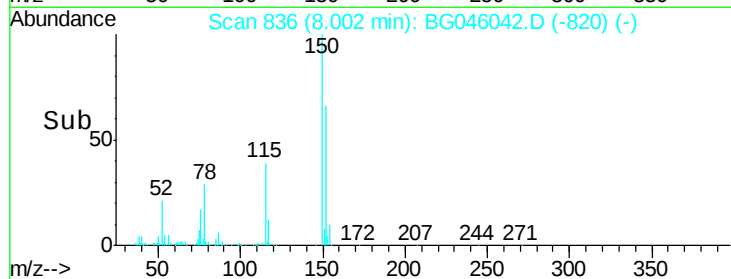
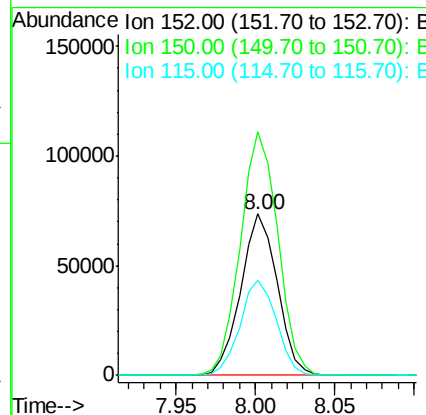
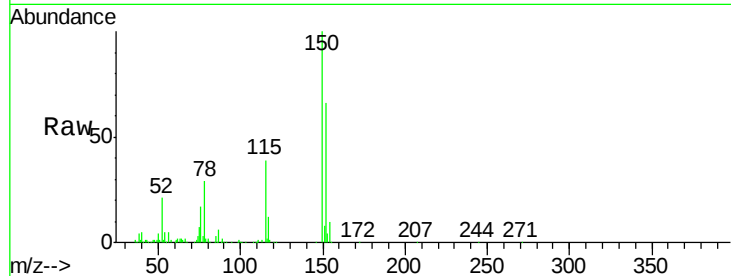


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG046042.D
Acq: 14 Jul 2020 21:09

Instrument :
BNA_G
ClientSampleId :
CL-02-070920

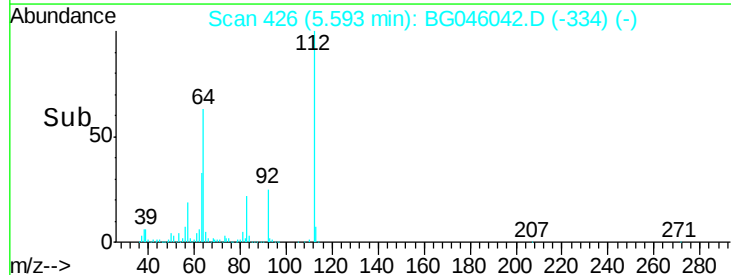
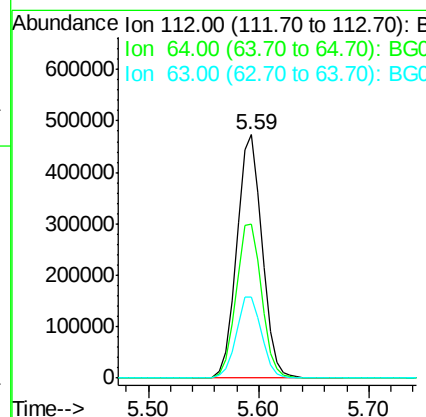
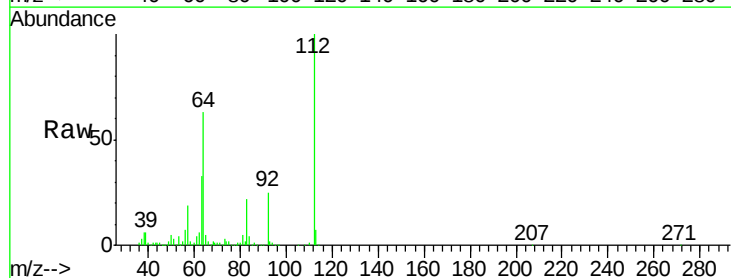
Tot Ion	Ratio	Lower	Upper
152	100		
150	150.9	116.7	175.1
115	59.2	47.4	71.0

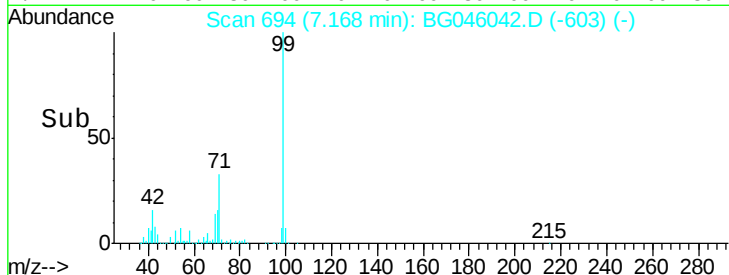
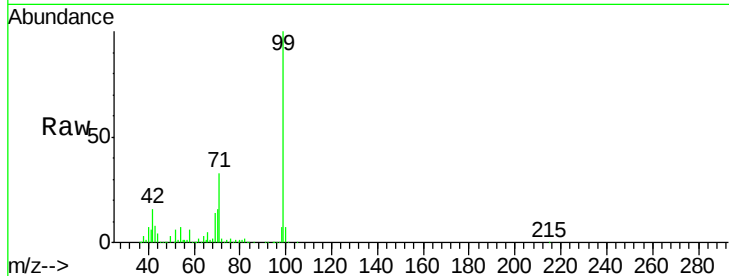
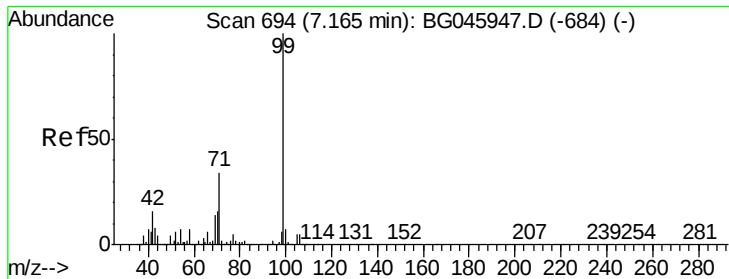


#5

2-Fluorophenol
Concen: 104.849 ng
RT: 5.59 min Scan# 426
Delta R.T. 0.01 min
Lab File: BG046042.D
Acq: 14 Jul 2020 21:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.4	51.4	77.2
63	33.3	26.6	40.0





#7

Phenol-d6

Concen: 89.861 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG046042.D

Acq: 14 Jul 2020 21:09

Instrument :

BNA_G

ClientSampleId :

CL-02-070920

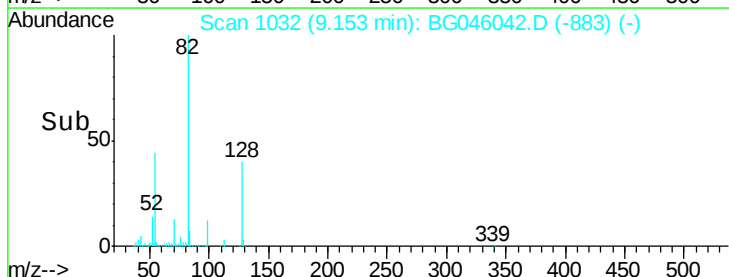
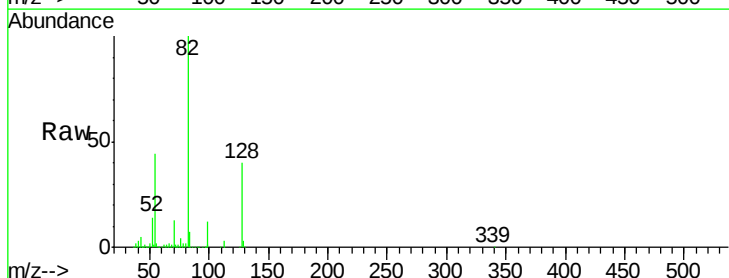
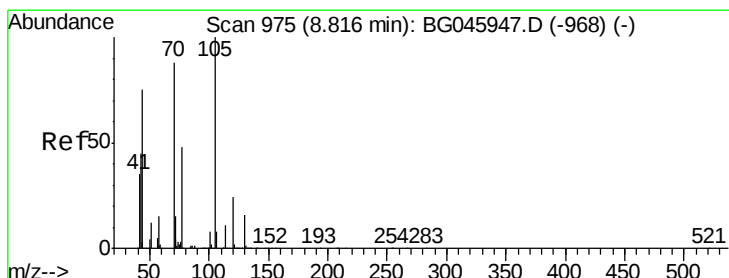
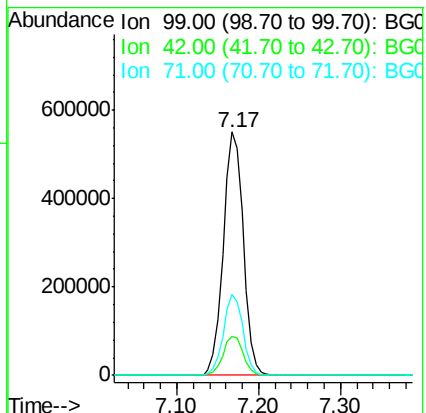
Tot Ion: 99 Resp: 938102

Ion Ratio Lower Upper

99 100

42 15.8 13.0 19.4

71 33.1 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 13.463 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.34 min

Lab File: BG046042.D

Acq: 14 Jul 2020 21:09

Tgt Ion: 70 Resp: 98734

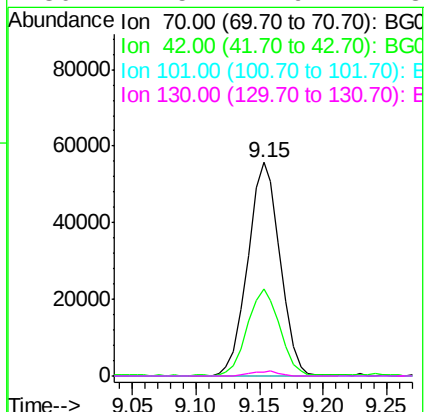
Ion Ratio Lower Upper

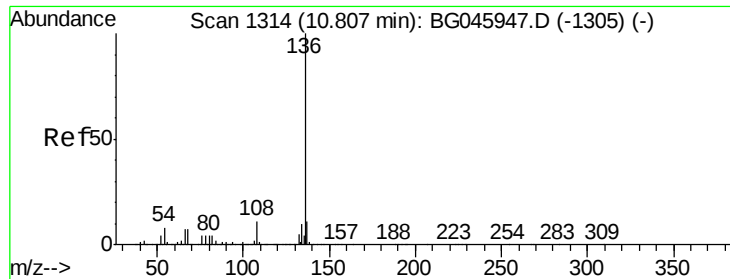
70 100

42 40.6 41.4 62.0#

101 0.0 7.1 10.7#

130 1.5 14.9 22.3#

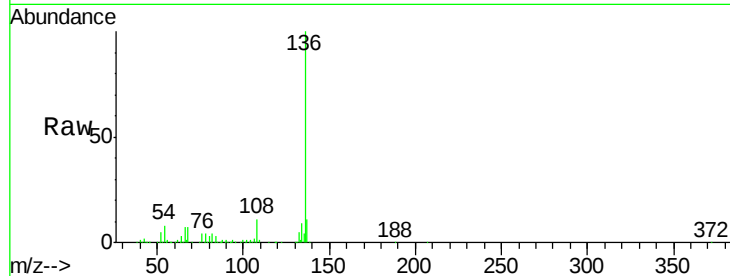




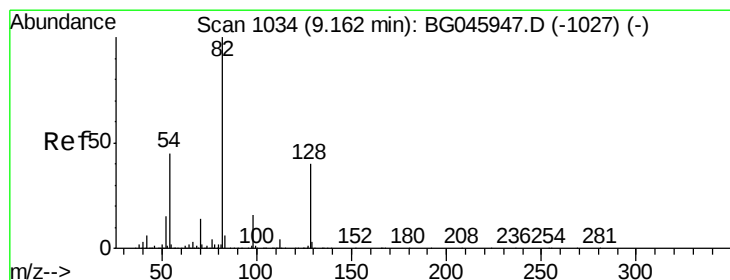
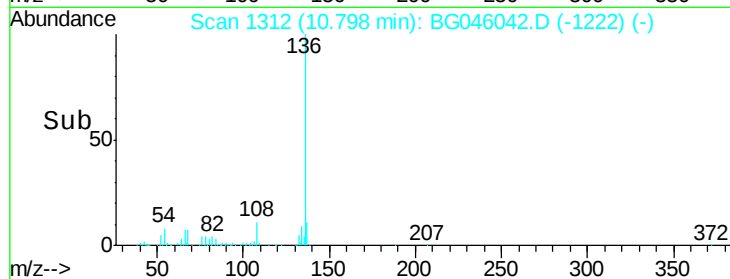
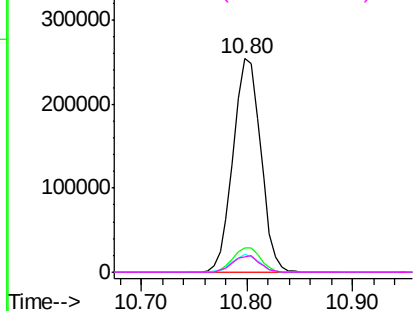
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BG046042.D
Acq: 14 Jul 2020 21:09

Instrument :
BNA_G
ClientSampleId :
CL-02-070920

Tot Ion:136	Resp:	458876
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.2 13.8
54	8.3	6.2 9.4
68	7.2	5.8 8.8

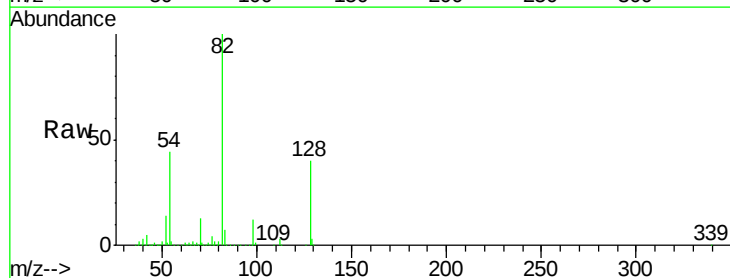


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

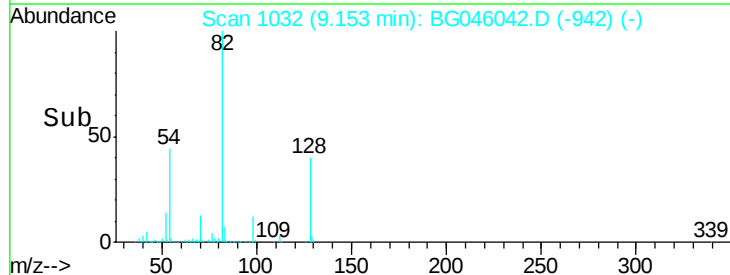
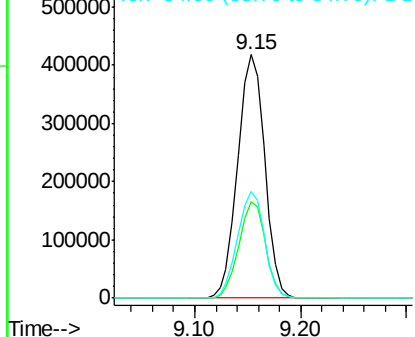


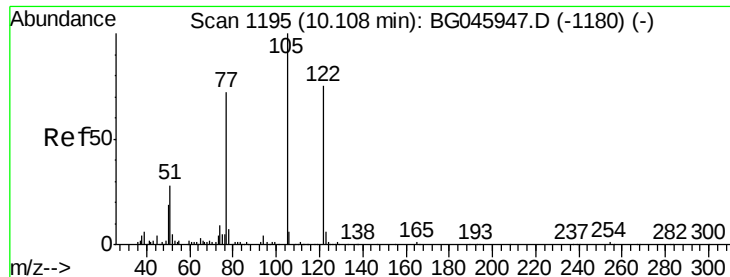
#23
Nitrobenzene-d5
Concen: 93.120 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BG046042.D
Acq: 14 Jul 2020 21:09

Tgt Ion: 82	Resp:	742395
Ion Ratio	Lower	Upper
82	100	
128	39.6	32.2 48.4
54	43.9	35.8 53.6



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

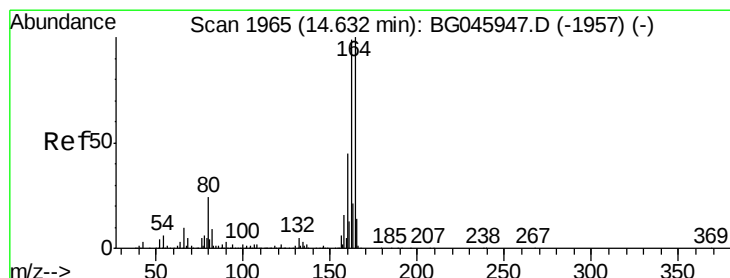
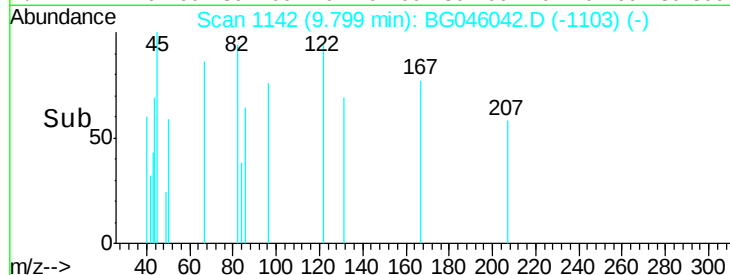
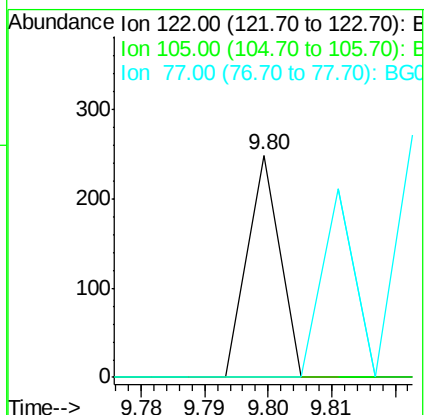
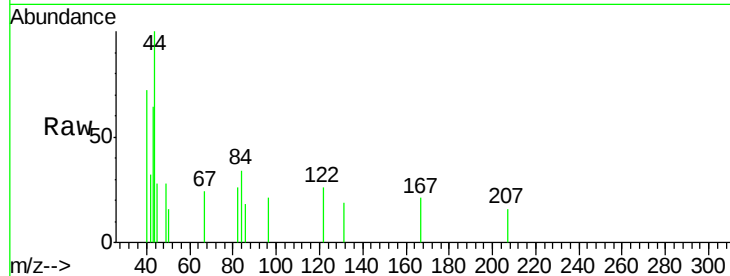




#32
Benzoic acid
Concen: 6.525 ng
RT: 9.80 min Scan# 1142
Delta R.T. -0.30 min
Lab File: BG046042.D
Acq: 14 Jul 2020 21:09

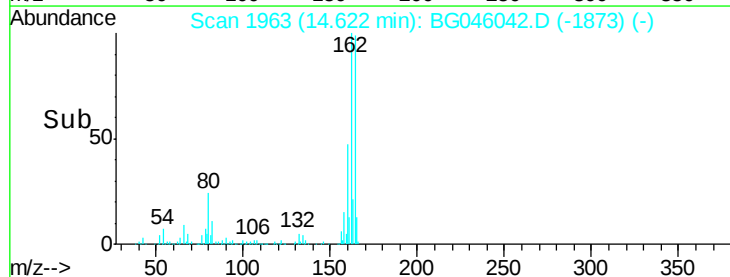
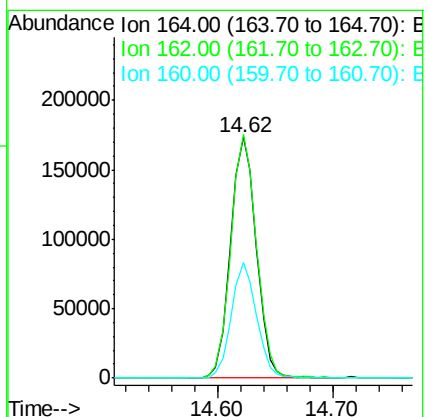
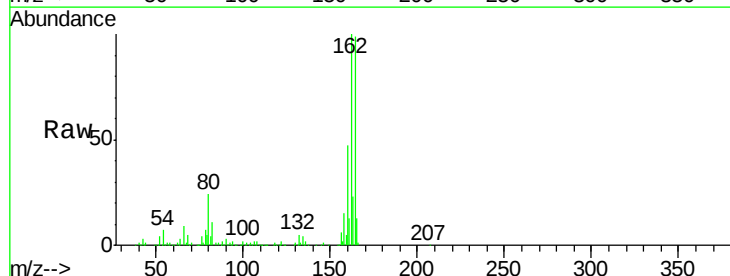
Instrument :
BNA_G
ClientSampleId :
CL-02-070920

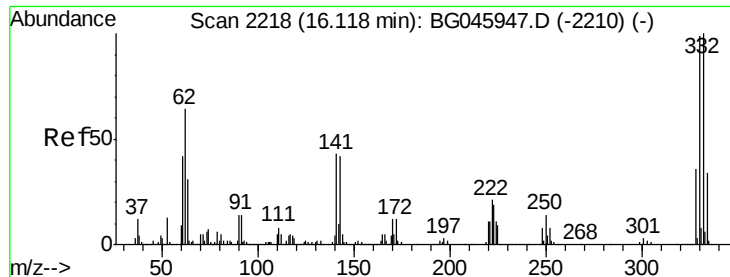
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	110.8	150.8#
77	0.0	76.4	116.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.00 min
Lab File: BG046042.D
Acq: 14 Jul 2020 21:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	79.3	118.9
160	48.0	35.7	53.5

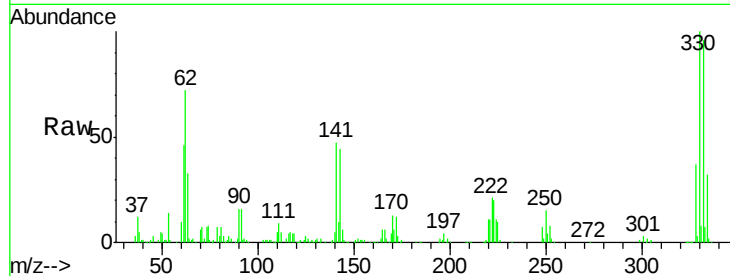




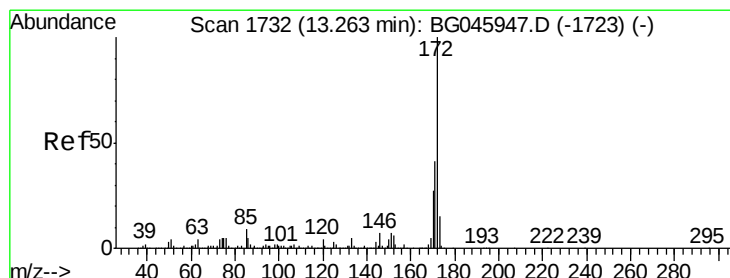
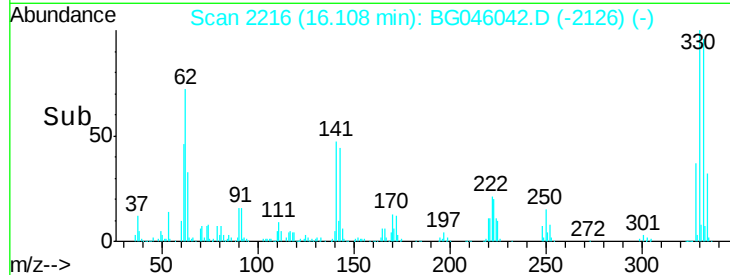
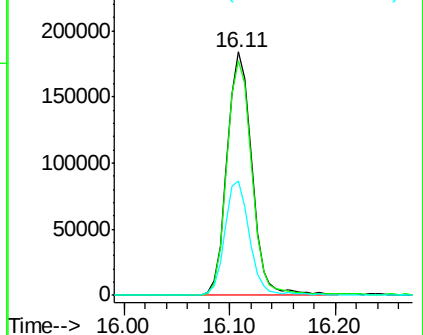
#42
 2,4,6-Tribromophenol
 Concen: 120.689 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. -0.00 min
 Lab File: BG046042.D
 Acq: 14 Jul 2020 21:09

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-070920

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.3	117.5
141	47.1	36.6	54.8

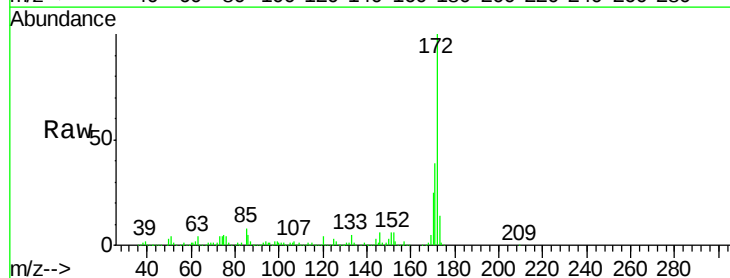


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

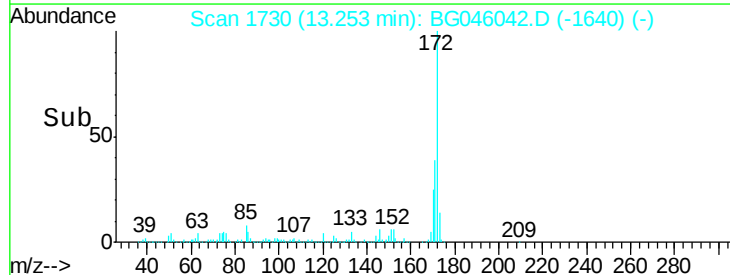
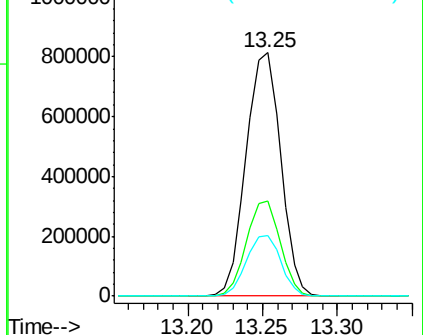


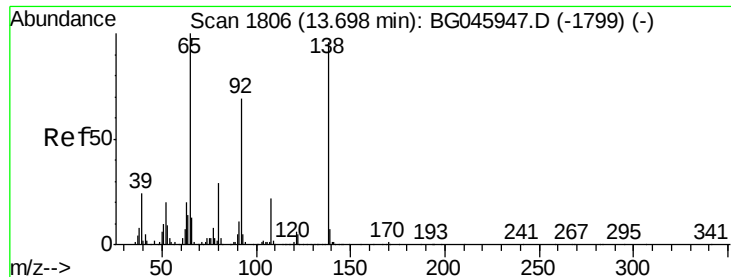
#45
 2-Fluorobiphenyl
 Concen: 76.354 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.00 min
 Lab File: BG046042.D
 Acq: 14 Jul 2020 21:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.8	32.9	49.3
170	25.1	21.8	32.6



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

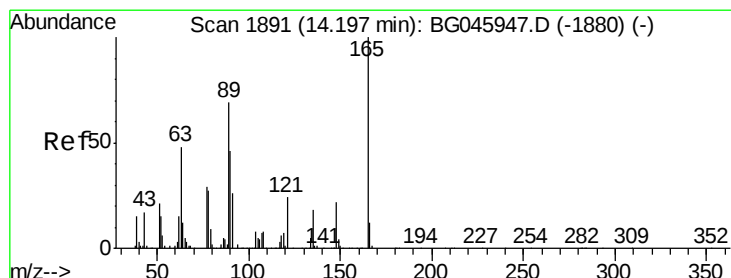
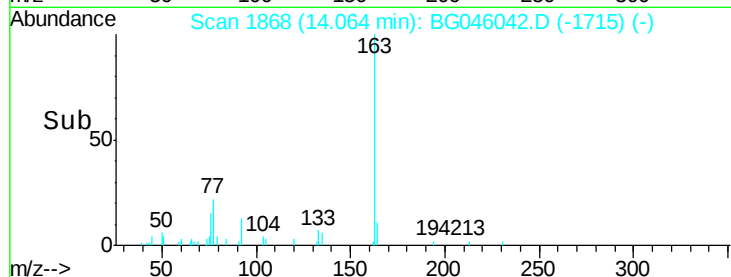
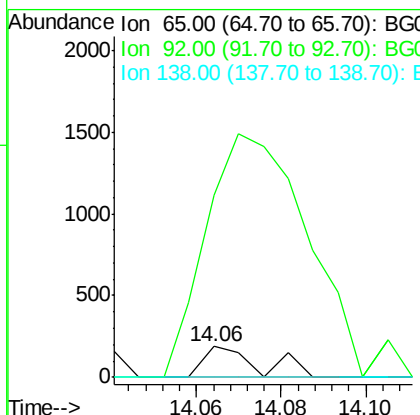
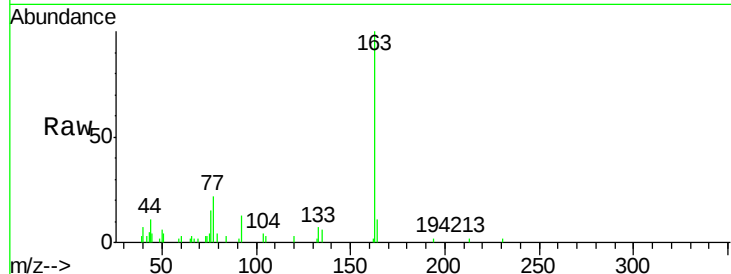




#48
2-Nitroaniline
Concen: 3.406 ng
RT: 14.06 min Scan# 1868
Delta R.T. 0.37 min
Lab File: BG046042.D
Acq: 14 Jul 2020 21:09

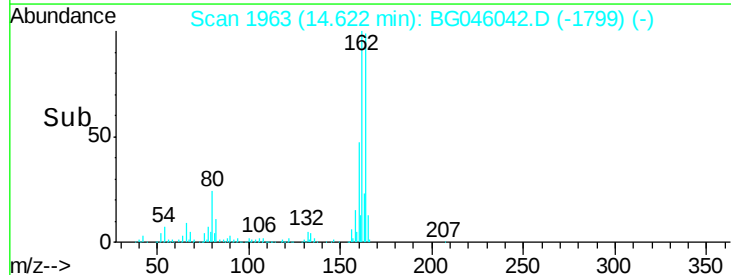
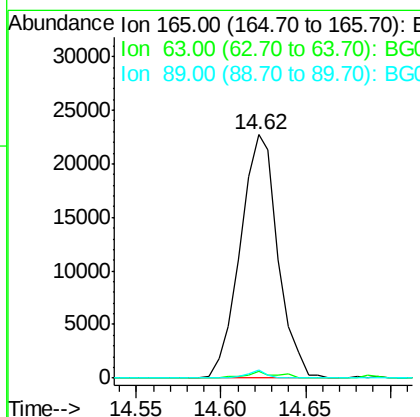
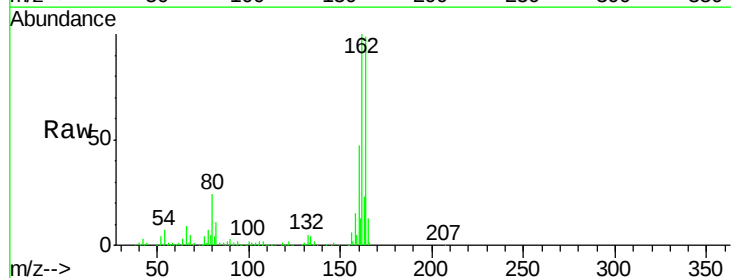
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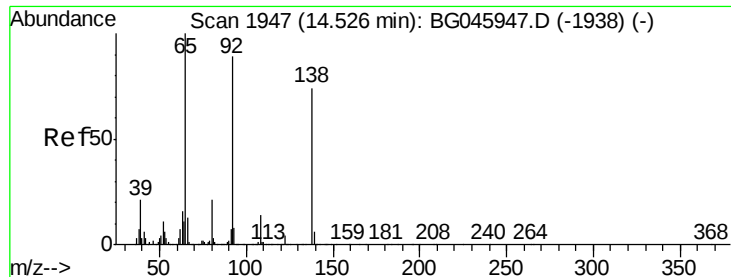
Tot Ion: 65 Resp: 172
Ion Ratio Lower Upper
65 100
92 594.1 55.4 83.0#
138 0.0 77.0 115.4#



#51
2,6-Dinitrotoluene
Concen: 12.418 ng
RT: 14.62 min Scan# 1963
Delta R.T. 0.43 min
Lab File: BG046042.D
Acq: 14 Jul 2020 21:09

Tgt Ion: 165 Resp: 35147
Ion Ratio Lower Upper
165 100
63 2.6 51.0 76.4#
89 3.3 55.7 83.5#





#53

3-Nitroaniline

Concen: 2.995 ng

RT: 14.51 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG046042.D

Acq: 14 Jul 2020 21:09

Instrument :

BNA_G

ClientSampleId :

CL-02-070920

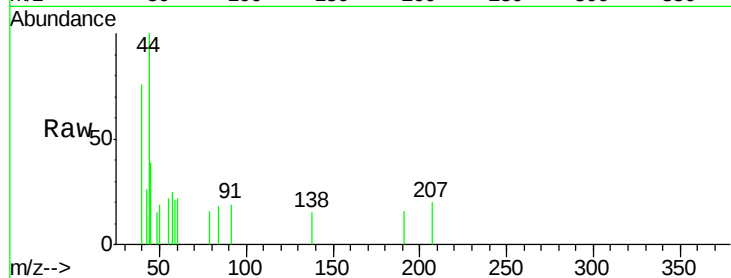
Tot Ion:138 Resp: 54

Ion Ratio Lower Upper

138 100

108 0.0 15.4 23.2#

92 0.0 95.9 143.9#



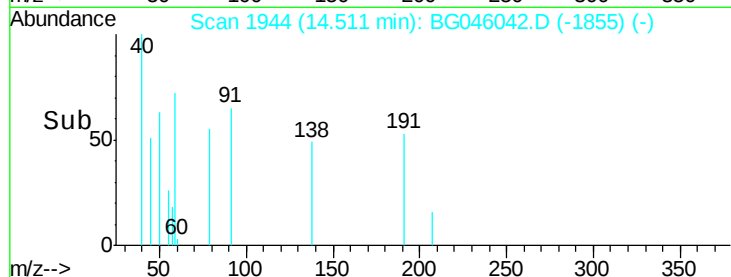
Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

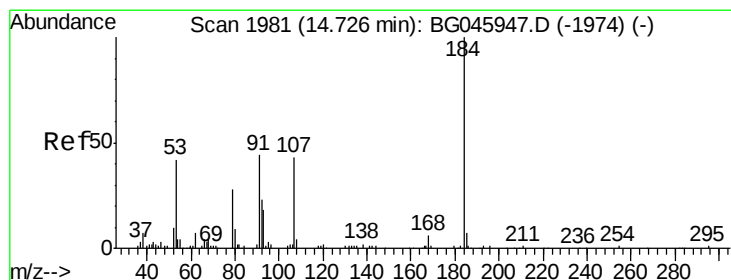
Ion 92.00 (91.70 to 92.70): BGC

14.51

14.52



Time-->



#54

2,4-Dinitrophenol

Concen: 6.149 ng

RT: 14.55 min Scan# 1950

Delta R.T. -0.17 min

Lab File: BG046042.D

Acq: 14 Jul 2020 21:09

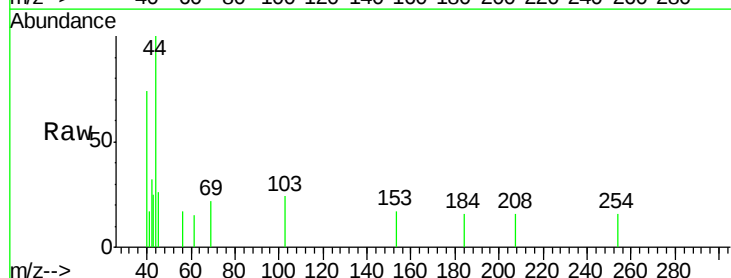
Tgt Ion:184 Resp: 56

Ion Ratio Lower Upper

184 100

63 0.0 46.0 69.0#

154 0.0 58.2 87.2#



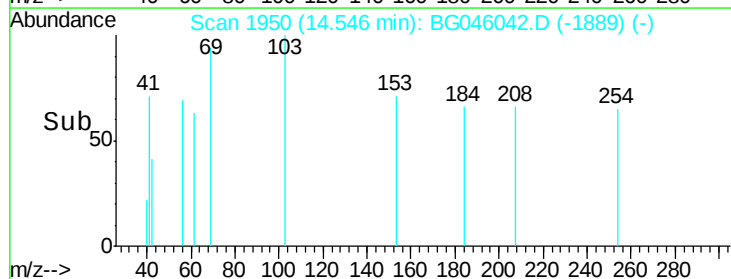
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

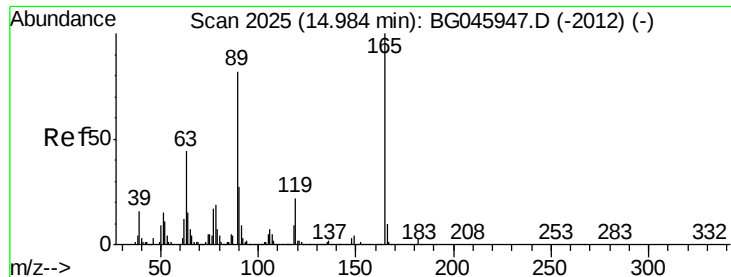
Ion 154.00 (153.70 to 154.70): E

14.55

14.56



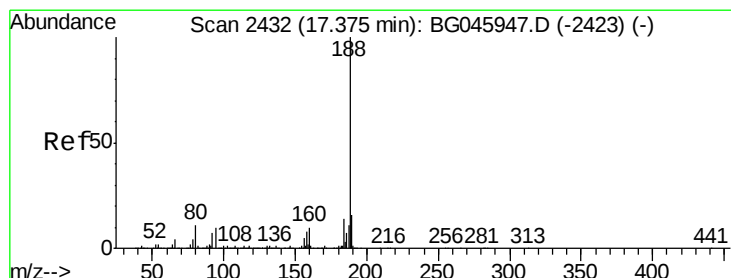
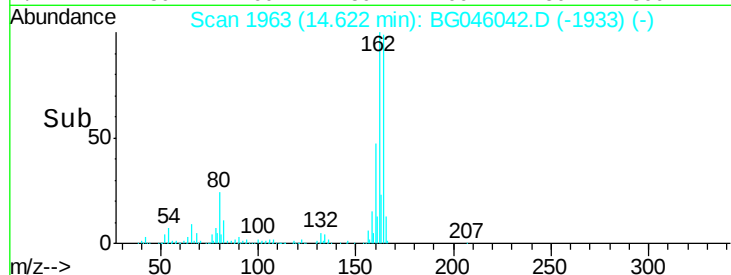
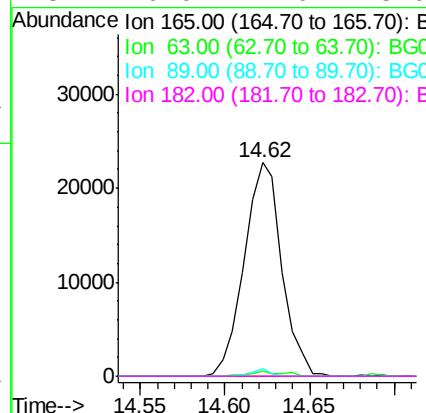
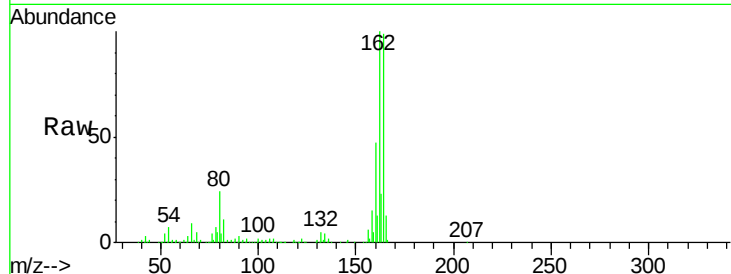
Time-->



#57
 2,4-Dinitrotoluene
 Concen: 10.958 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. -0.36 min
 Lab File: BG046042.D
 Acq: 14 Jul 2020 21:09

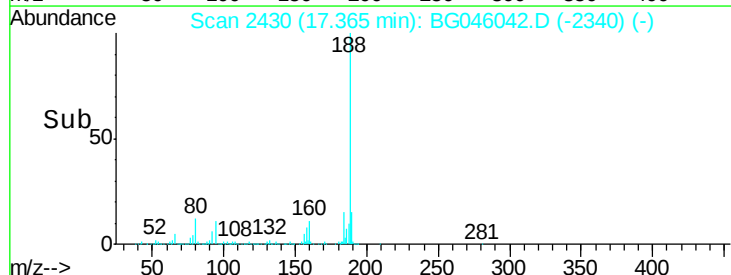
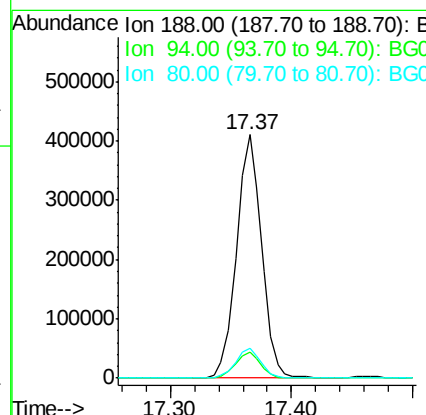
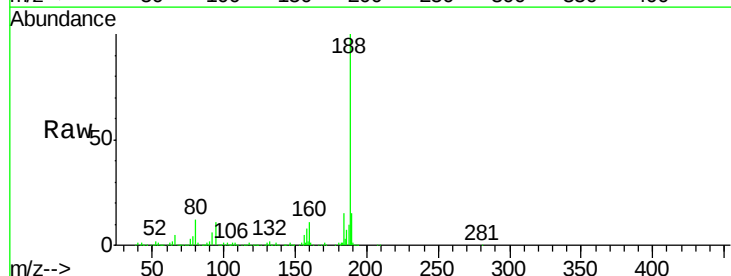
Instrument :
 BNA_G
 ClientSampleId :
 CL-02-070920

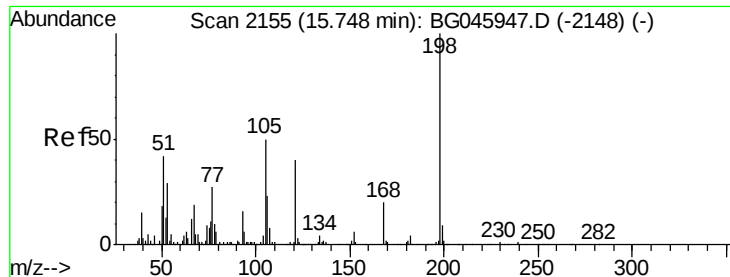
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.6	35.4	53.0#
89	3.3	65.4	98.2#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: BG046042.D
 Acq: 14 Jul 2020 21:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.2	12.4
80	12.4	9.0	13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.397 ng

RT: 16.11 min Scan# 2217

Delta R.T. 0.37 min

Lab File: BG046042.D

Acq: 14 Jul 2020 21:09

Instrument :

BNA_G

ClientSampleId :

CL-02-070920

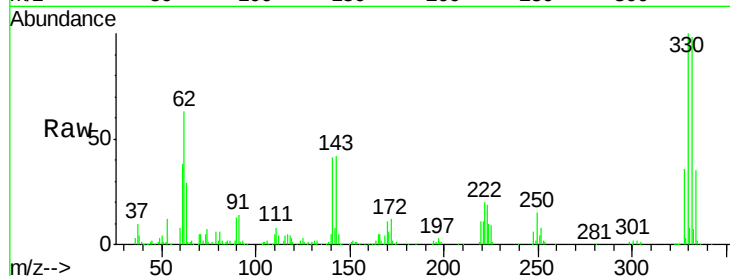
Tot Ion:198 Resp: 1444

Ion Ratio Lower Upper

198 100

51 119.9 24.5 64.5#

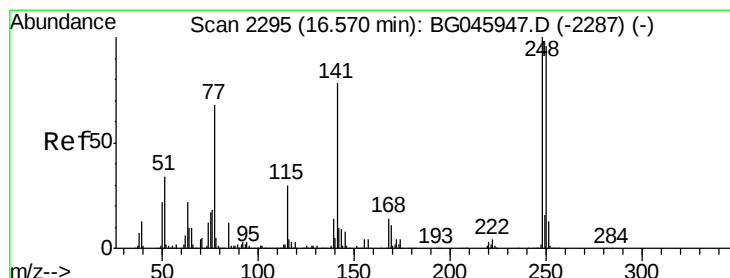
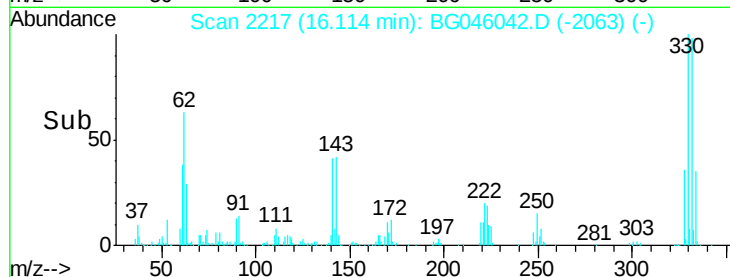
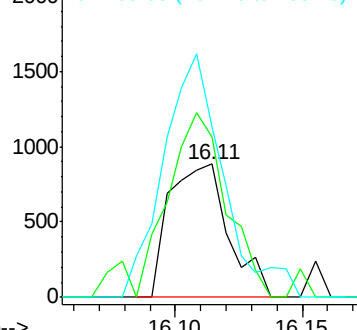
105 128.5 30.9 70.9#



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: 3.144 ng

RT: 16.11 min Scan# 2216

Delta R.T. -0.46 min

Lab File: BG046042.D

Acq: 14 Jul 2020 21:09

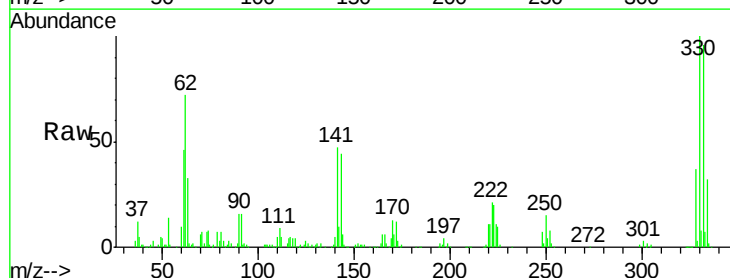
Tgt Ion:248 Resp: 20830

Ion Ratio Lower Upper

248 100

250 201.8 76.6 114.8#

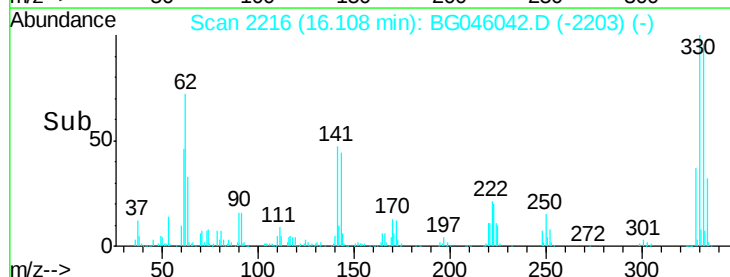
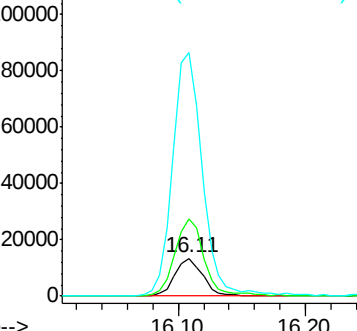
141 639.8 62.7 94.1#

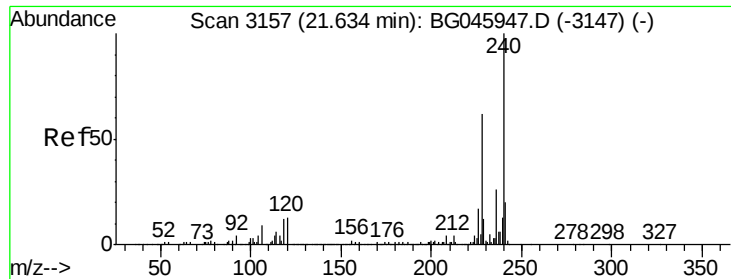


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

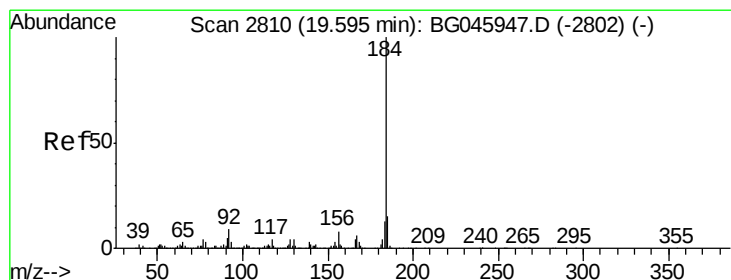
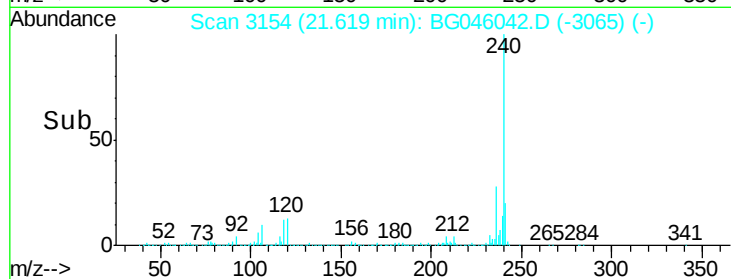
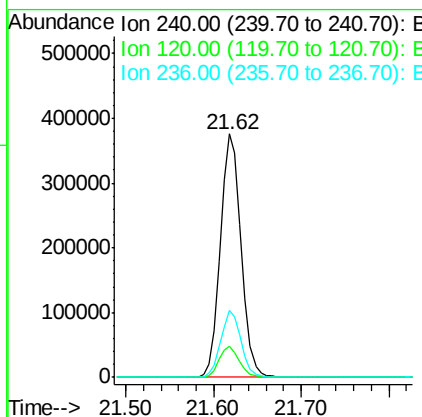
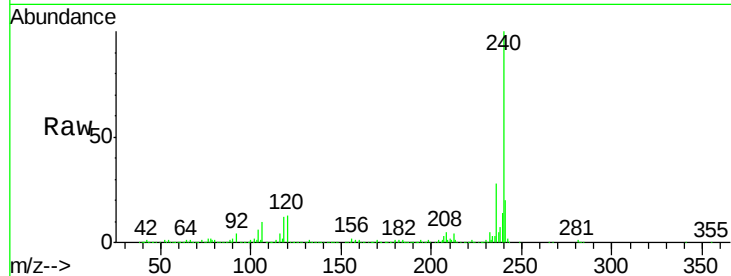




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.62 min Scan# 3154
Delta R.T. -0.01 min
Lab File: BG046042.D
Acq: 14 Jul 2020 21:09

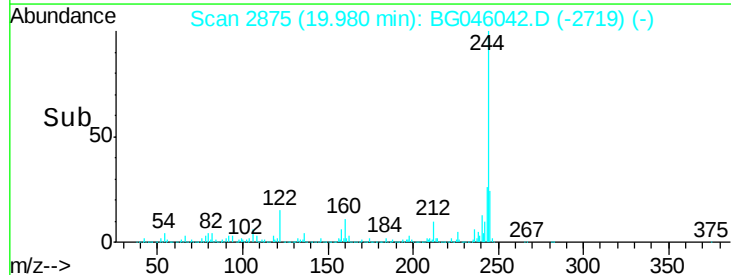
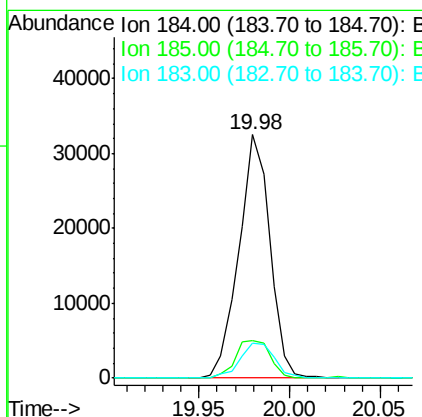
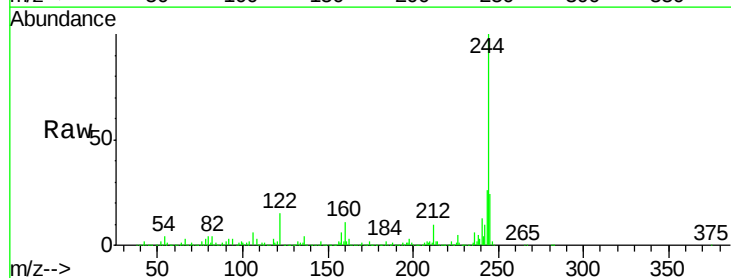
Instrument :
BNA_G
ClientSampleId :
CL-02-070920

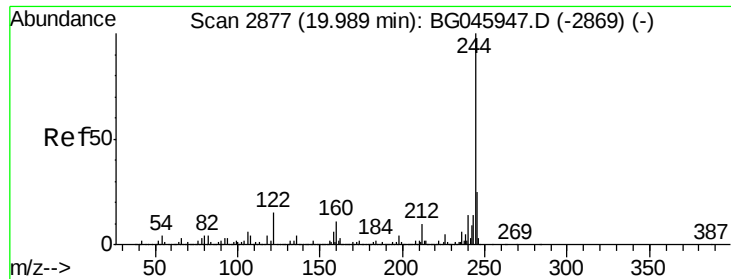
Tot Ion:240 Resp: 616843
Ion Ratio Lower Upper
240 100
120 12.9 10.6 16.0
236 27.6 20.4 30.6



#77
Benzidine
Concen: 2.192 ng
RT: 19.98 min Scan# 2875
Delta R.T. 0.38 min
Lab File: BG046042.D
Acq: 14 Jul 2020 21:09

Tgt Ion:184 Resp: 38665
Ion Ratio Lower Upper
184 100
185 15.7 11.6 17.4
183 14.5 10.4 15.6





#79

Terphenyl-d14

Concen: 68.984 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG046042.D

Acq: 14 Jul 2020 21:09

Instrument :

BNA_G

ClientSampleId :

CL-02-070920

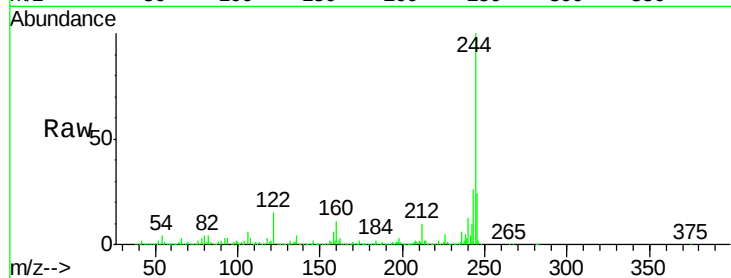
Tot Ion:244 Resp: 1912009

Ion Ratio Lower Upper

244 100

212 9.9 8.3 12.5

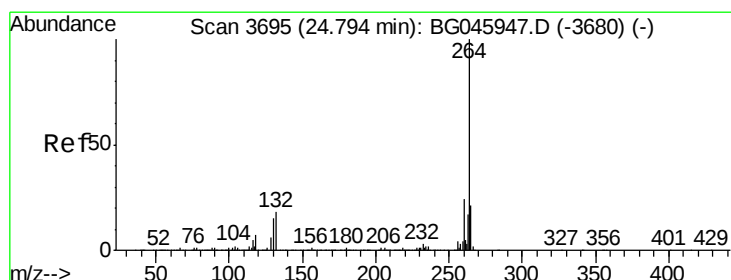
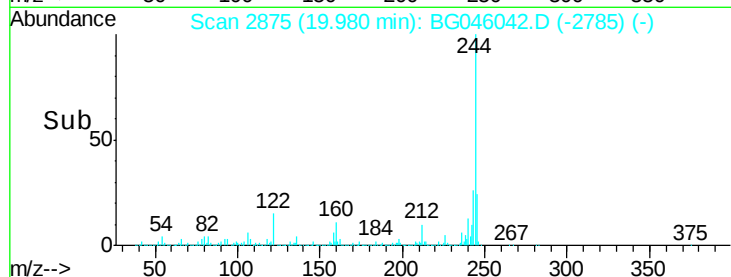
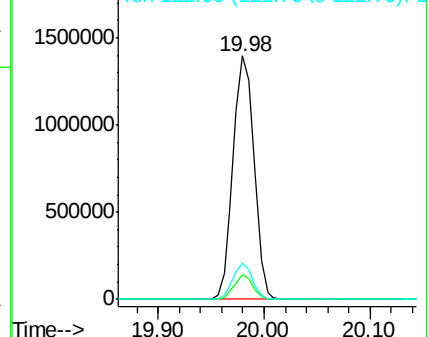
122 14.9 12.1 18.1



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.77 min Scan# 3691

Delta R.T. -0.01 min

Lab File: BG046042.D

Acq: 14 Jul 2020 21:09

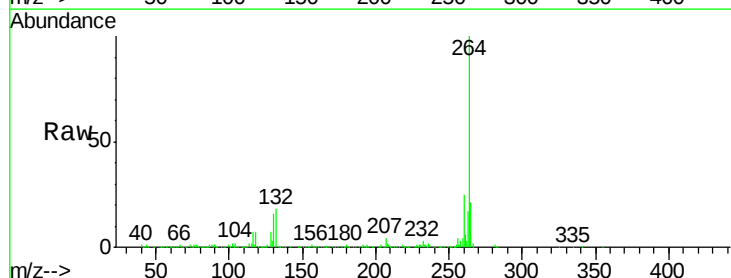
Tgt Ion:264 Resp: 592912

Ion Ratio Lower Upper

264 100

260 25.0 19.0 28.6

265 21.3 16.9 25.3



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

