

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071320\
 Data File : BG046022.D
 Acq On : 13 Jul 2020 14:35
 Operator : CG/JU
 Sample : PB130142TB
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB130142TB

Quant Time: Jul 13 15:16:59 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

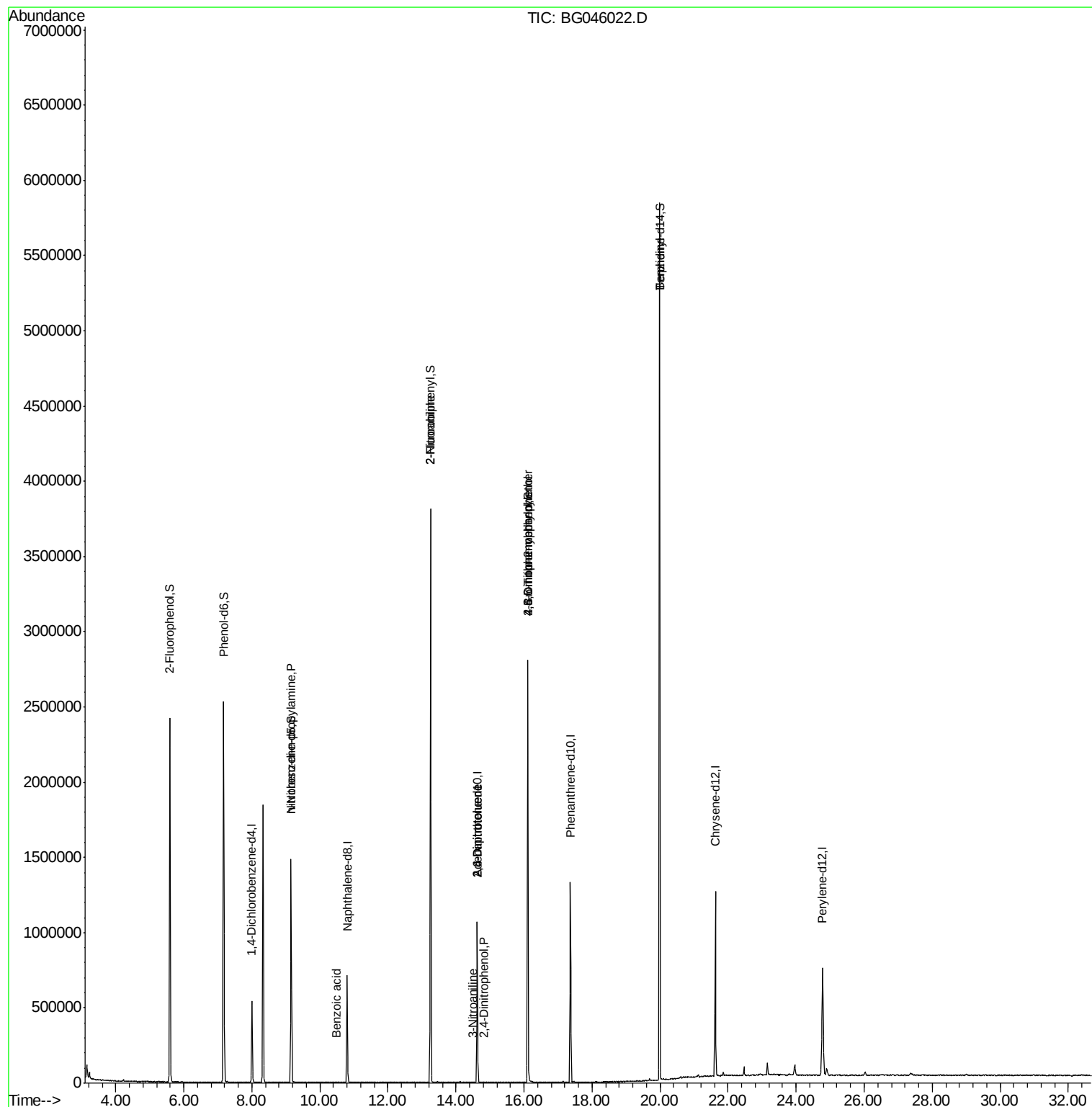
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	148943	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	610558	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	369415	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	774940	20.00	ng	0.00
76) Chrysene-d12	21.62	240	678541	20.00	ng	0.00
86) Perylene-d12	24.78	264	669991	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	1094391	119.16	ng	0.00
7) Phenol-d6	7.17	99	1581577	119.61	ng	0.00
23) Nitrobenzene-d5	9.15	82	972254	91.66	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	437578	127.63	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1840393	77.71	ng	0.00
79) Terphenyl-d14	19.99	244	2536976	83.21	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.15	70	129845	13.978	ng	# 81
32) Benzoic acid	10.48	122	113	6.524	ng	# 1
48) 2-Nitroaniline	13.25	65	3711	3.931	ng	# 1
51) 2,6-Dinitrotoluene	14.62	165	49066	12.523	ng	# 19
53) 3-Nitroaniline	14.48	138	54	2.991	ng	# 1
54) 2,4-Dinitrophenol	14.80	184	58	6.139	ng	# 17
57) 2,4-Dinitrotoluene	14.62	165	49066	11.039	ng	# 21
65) 4,6-Dinitro-2-methylphenol	16.11	198	1816	7.375	ng	# 1
67) 4-Bromophenyl-phenylether	16.11	248	31862	3.681	ng	# 1
77) Benzidine	19.98	184	52286	2.695	ng	# 91

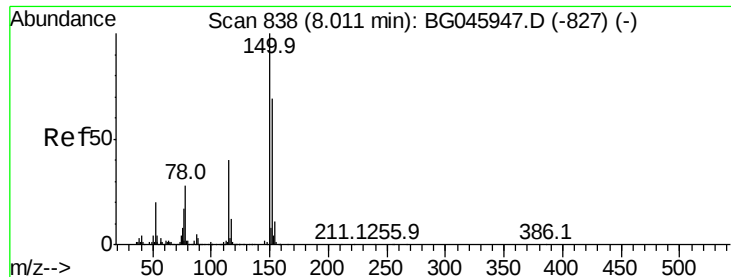
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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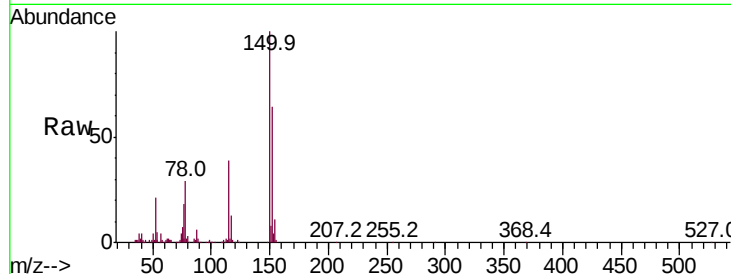


#1

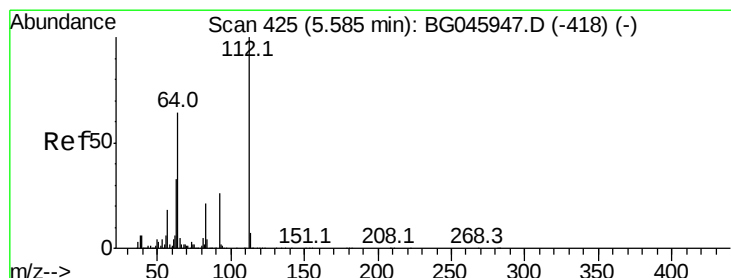
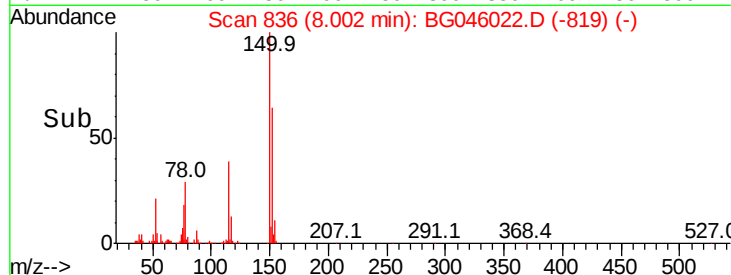
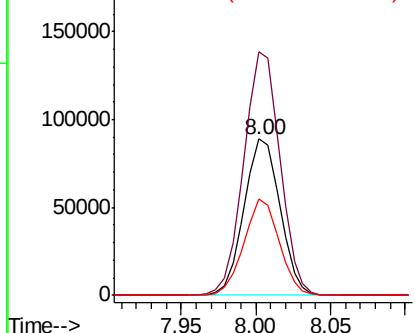
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG046022.D
Acq: 13 Jul 2020 14:35

Instrument :
BNA_G
ClientSampleId :
PB130142TB

Tot Ion:152 Resp: 148943
Ion Ratio Lower Upper
152 100
150 155.9 116.7 175.1
115 61.5 47.4 71.0



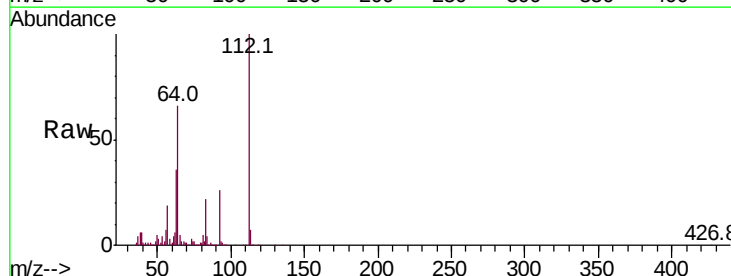
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



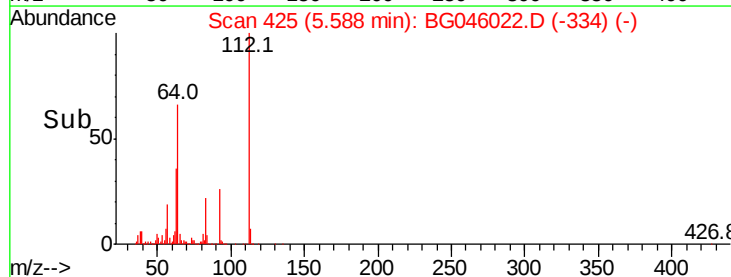
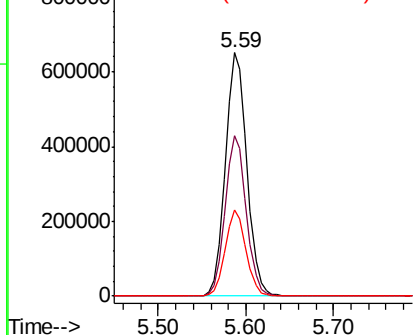
#5

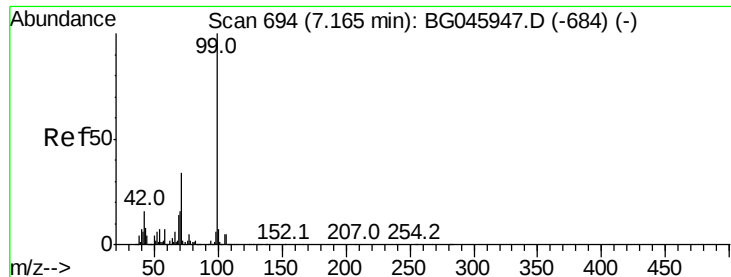
2-Fluorophenol
Concen: 119.155 ng
RT: 5.59 min Scan# 425
Delta R.T. 0.00 min
Lab File: BG046022.D
Acq: 13 Jul 2020 14:35

Tgt Ion:112 Resp: 1094391
Ion Ratio Lower Upper
112 100
64 65.7 51.4 77.2
63 35.6 26.6 40.0



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: 119.607 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG046022.D

Acq: 13 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

PB130142TB

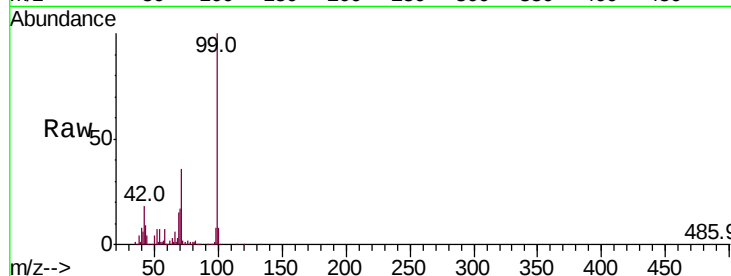
Tot Ion: 99 Resp: 1581577

Ion Ratio Lower Upper

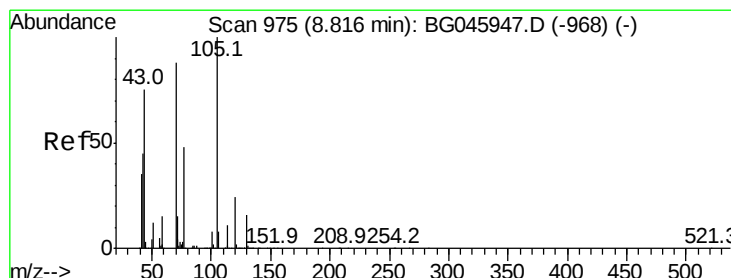
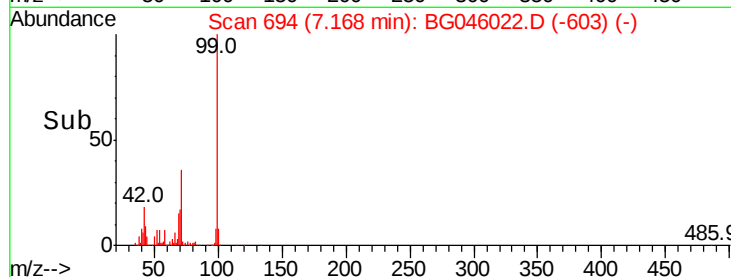
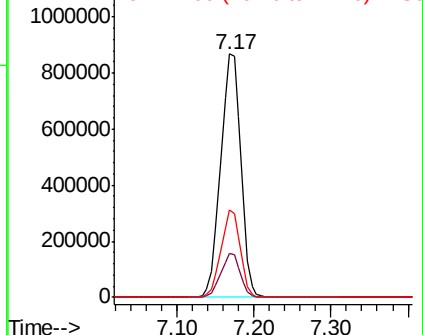
99 100

42 17.8 13.0 19.4

71 35.8 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.978 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.34 min

Lab File: BG046022.D

Acq: 13 Jul 2020 14:35

Tgt Ion: 70 Resp: 129845

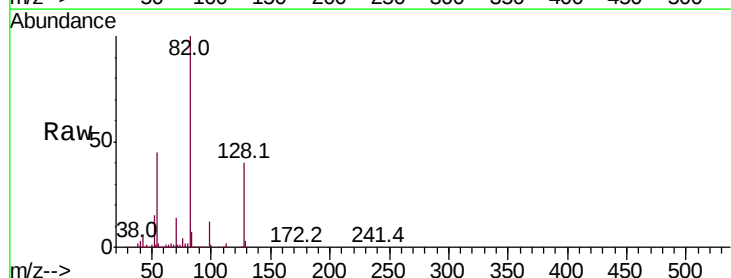
Ion Ratio Lower Upper

70 100

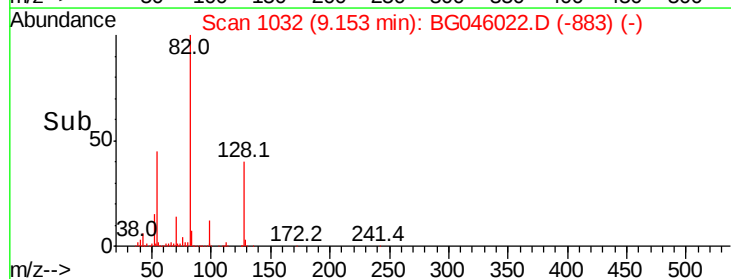
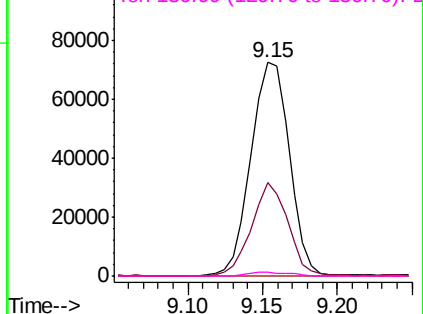
42 43.7 41.4 62.0

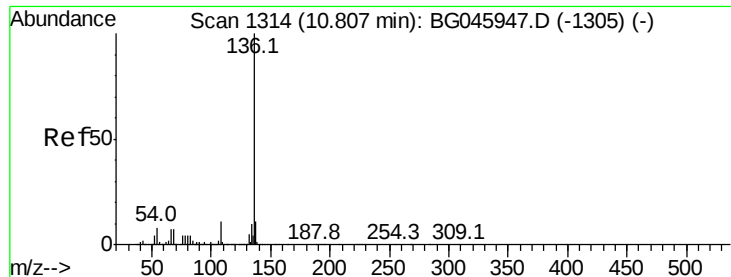
101 0.0 7.1 10.7#

130 1.8 14.9 22.3#



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: 10.80 min Scan# 1313

Delta R.T. 0.00 min

Lab File: BG046022.D

Acq: 13 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

PB130142TB

Tot Ion:136 Resp: 610558

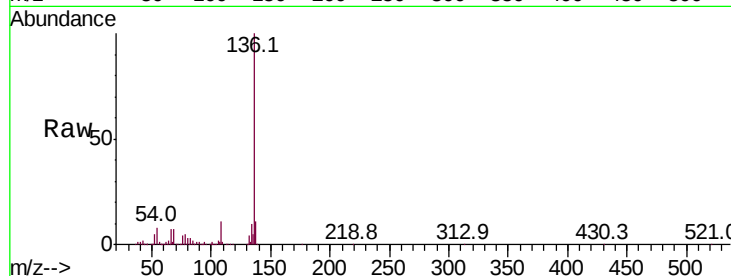
Ion Ratio Lower Upper

136 100

137 10.7 9.2 13.8

54 8.1 6.2 9.4

68 7.5 5.8 8.8

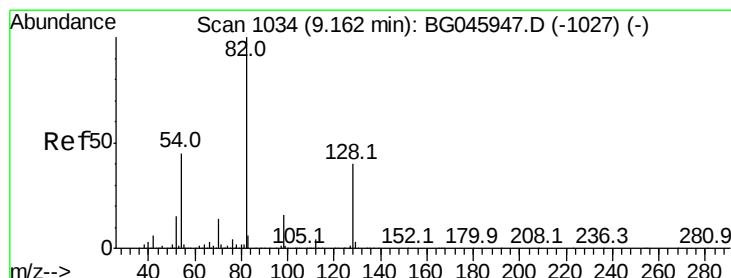
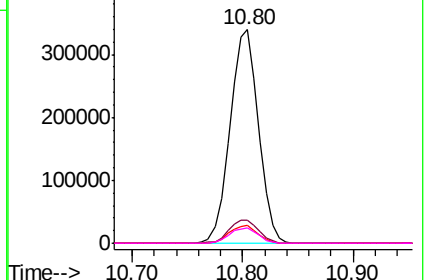
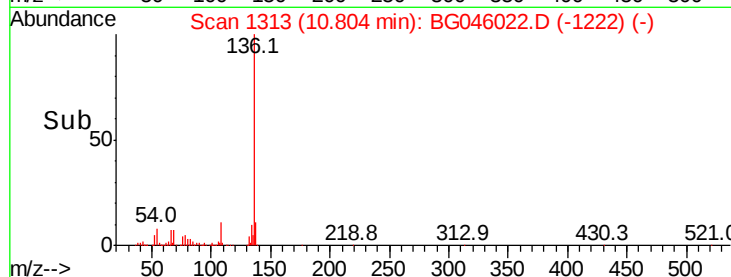


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.655 ng

RT: 9.15 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BG046022.D

Acq: 13 Jul 2020 14:35

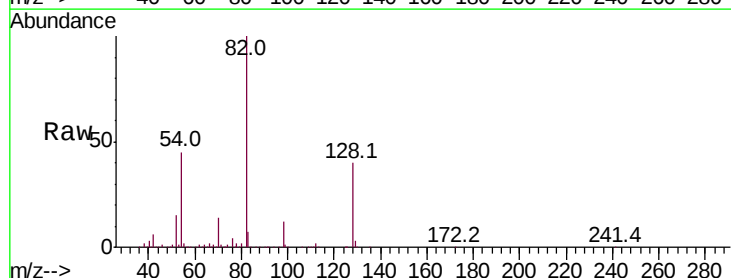
Tgt Ion: 82 Resp: 972254

Ion Ratio Lower Upper

82 100

128 40.5 32.2 48.4

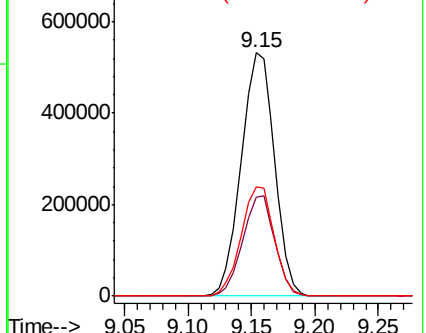
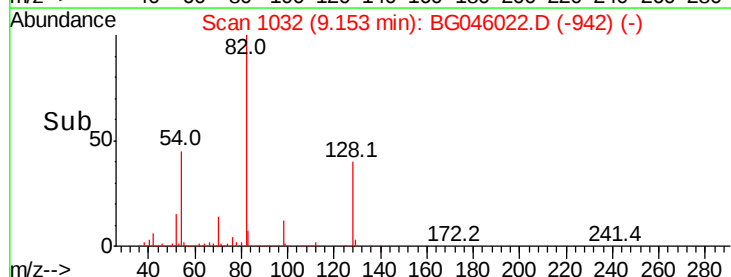
54 45.0 35.8 53.6

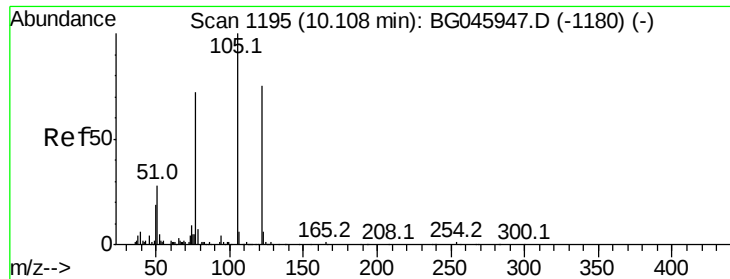


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 6.524 ng

RT: 10.48 min Scan# 1258

Delta R.T. 0.38 min

Lab File: BG046022.D

Acq: 13 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

PB130142TB

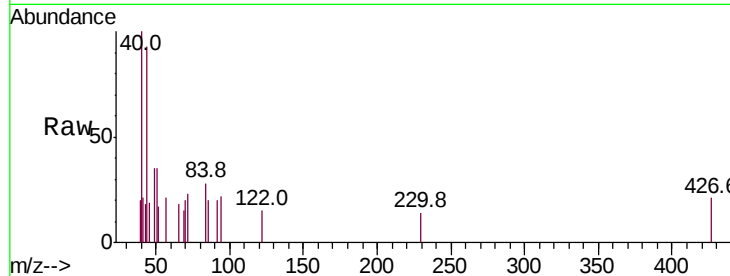
Tot Ion:122 Resp: 113

Ion Ratio Lower Upper

122 100

105 0.0 110.8 150.8#

77 0.0 76.4 116.4#



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

10.48

150

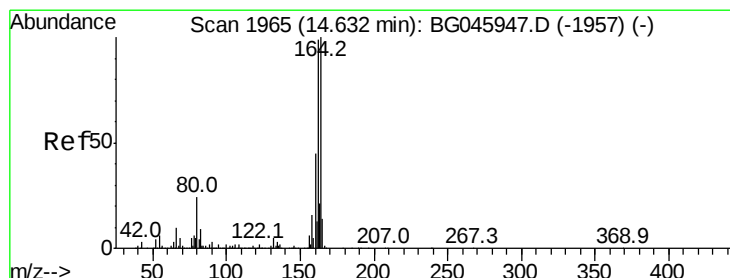
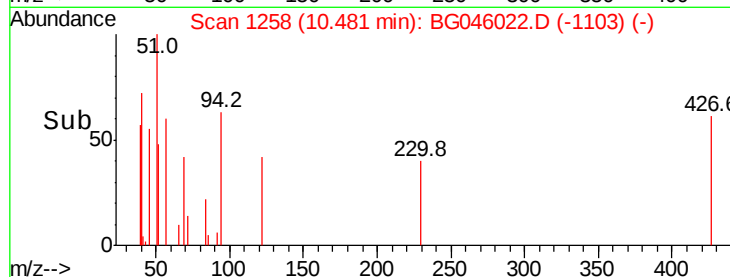
100

50

0

10.46 10.48 10.50

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BG046022.D

Acq: 13 Jul 2020 14:35

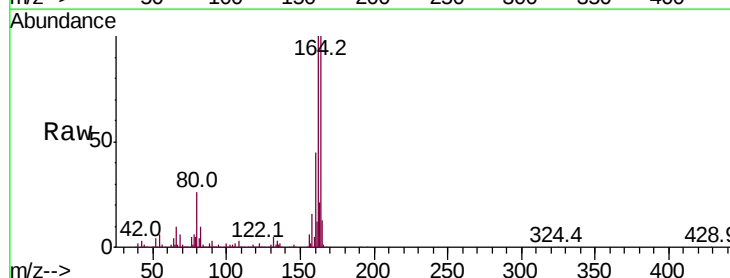
Tgt Ion:164 Resp: 369415

Ion Ratio Lower Upper

164 100

162 99.7 79.3 118.9

160 45.2 35.7 53.5



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

14.62

300000

250000

200000

150000

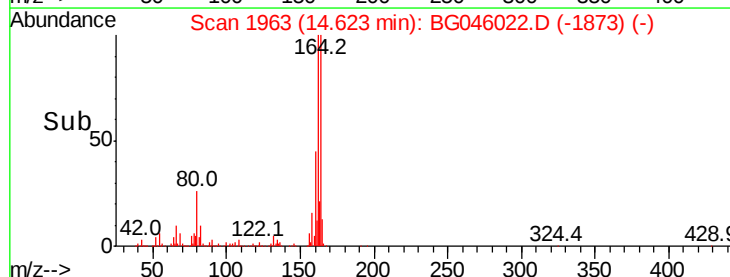
100000

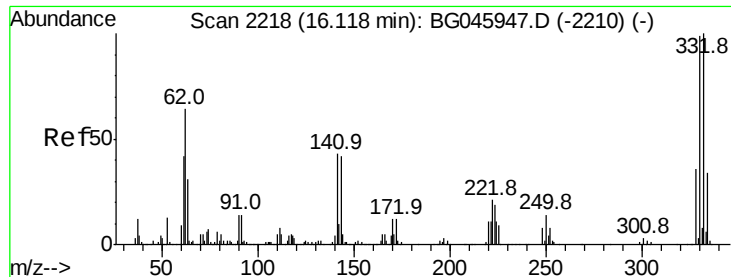
50000

0

14.60 14.62 14.70

Time-->

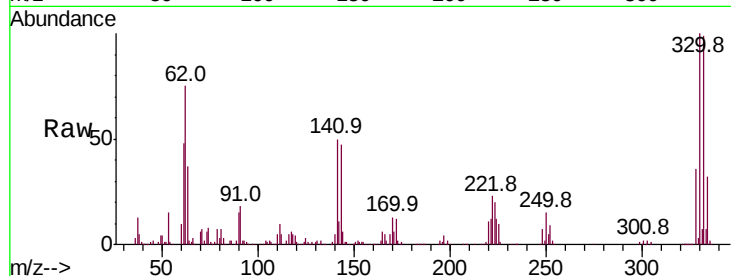




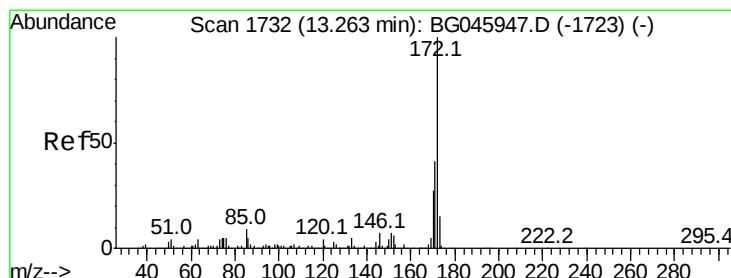
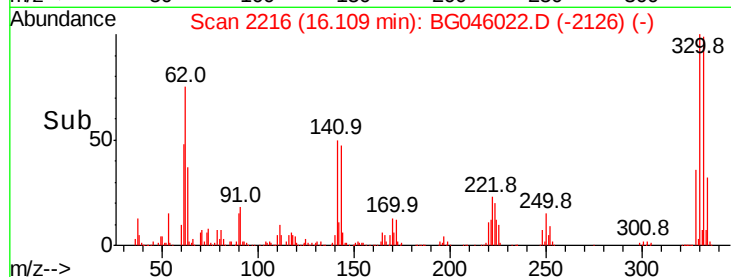
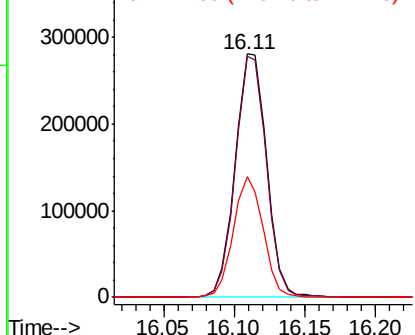
#42
 2,4,6-Tribromophenol
 Concen: 127.627 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. -0.00 min
 Lab File: BG046022.D
 Acq: 13 Jul 2020 14:35

Instrument :
 BNA_G
 ClientSampleId :
 PB130142TB

Tot Ion:330 Resp: 437578
 Ion Ratio Lower Upper
 330 100
 332 97.5 78.3 117.5
 141 47.2 36.6 54.8

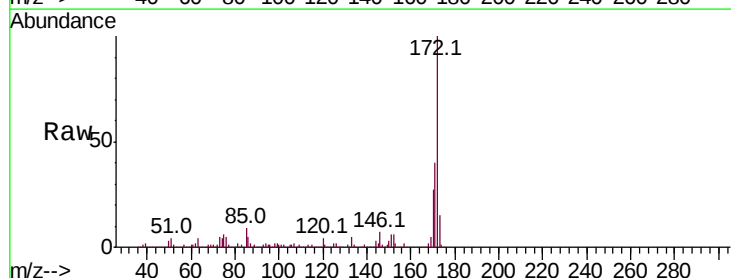


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

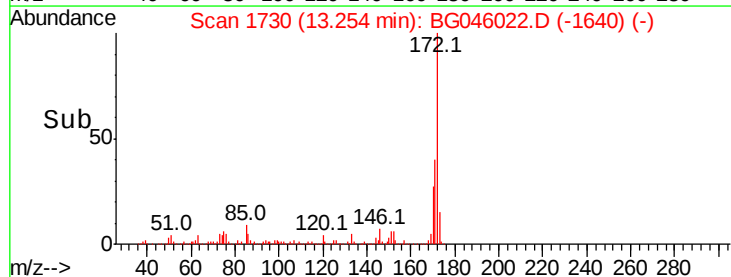
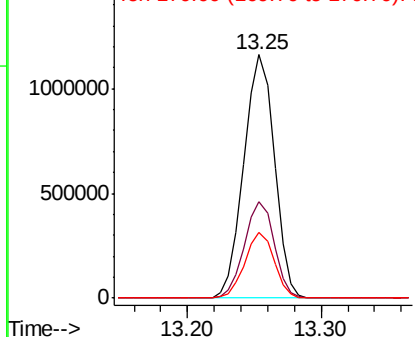


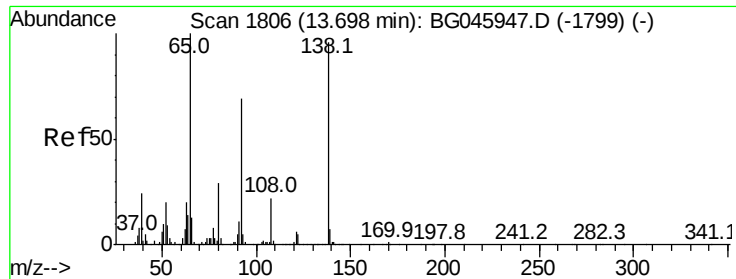
#45
 2-Fluorobiphenyl
 Concen: 77.709 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.00 min
 Lab File: BG046022.D
 Acq: 13 Jul 2020 14:35

Tgt Ion:172 Resp: 1840393
 Ion Ratio Lower Upper
 172 100
 171 39.7 32.9 49.3
 170 26.7 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: 3.931 ng

RT: 13.25 min Scan# 1730

Delta R.T. -0.44 min

Lab File: BG046022.D

Acq: 13 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

PB130142TB

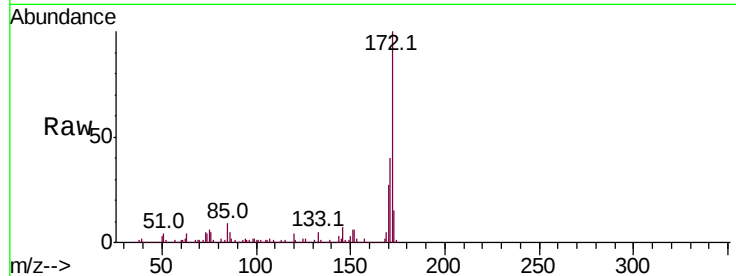
Tot Ion: 65 Resp: 3711

Ion Ratio Lower Upper

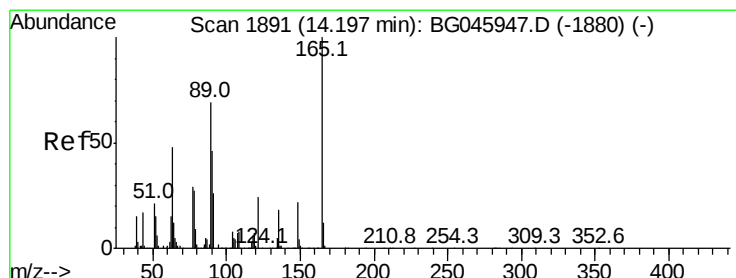
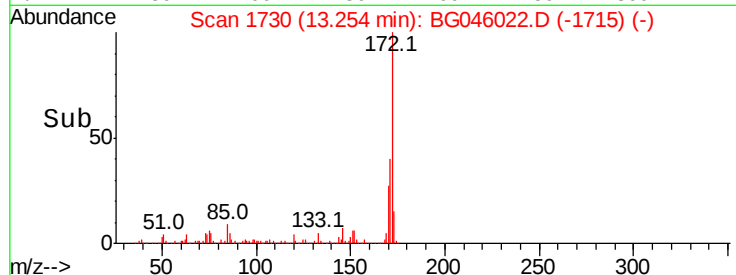
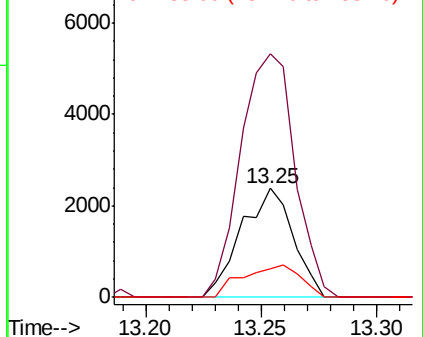
65 100

92 223.8 55.4 83.0#

138 25.9 77.0 115.4#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#51

2,6-Dinitrotoluene

Concen: 12.523 ng

RT: 14.62 min Scan# 1963

Delta R.T. 0.43 min

Lab File: BG046022.D

Acq: 13 Jul 2020 14:35

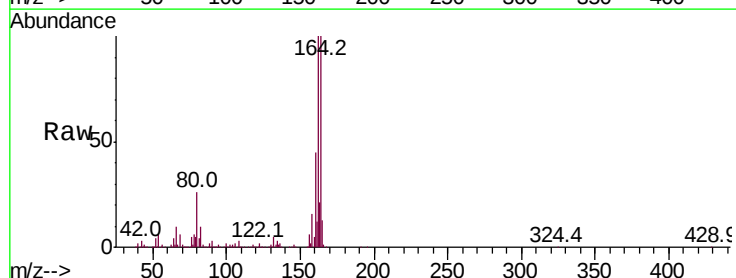
Tgt Ion: 165 Resp: 49066

Ion Ratio Lower Upper

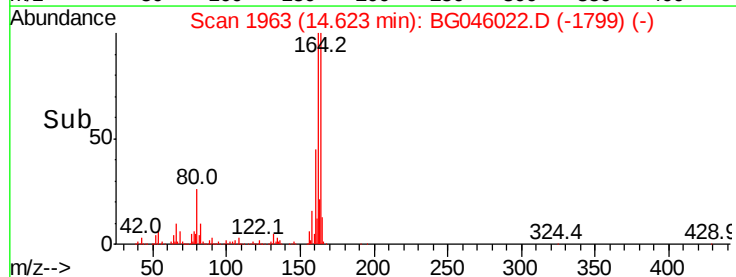
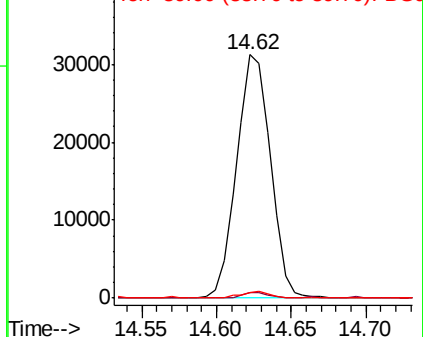
165 100

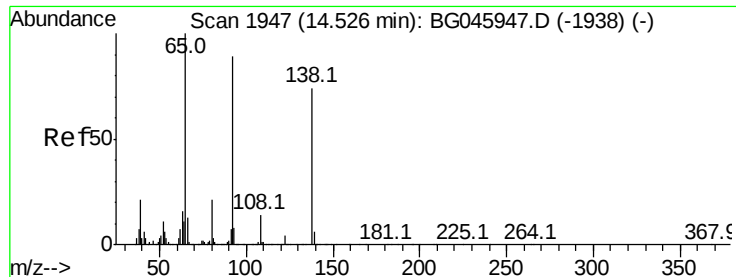
63 2.0 51.0 76.4#

89 2.3 55.7 83.5#



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





#53

3-Nitroaniline

Concen: 2.991 ng

RT: 14.48 min Scan# 1939

Delta R.T. -0.04 min

Lab File: BG046022.D

Acq: 13 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

PB130142TB

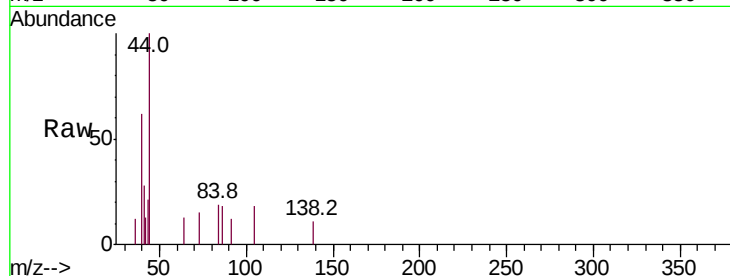
Tot Ion:138 Resp: 54

Ion Ratio Lower Upper

138 100

108 0.0 15.4 23.2#

92 0.0 95.9 143.9#

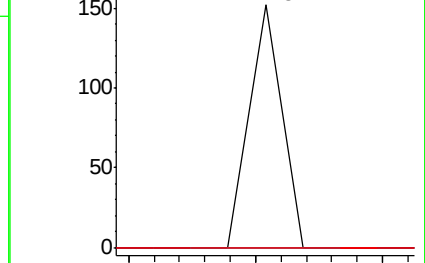


Abundance Ion 138.00 (137.70 to 138.70): E

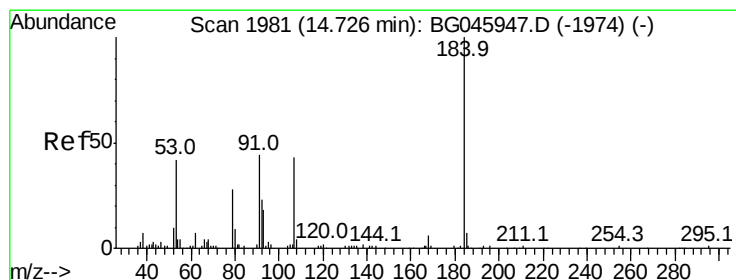
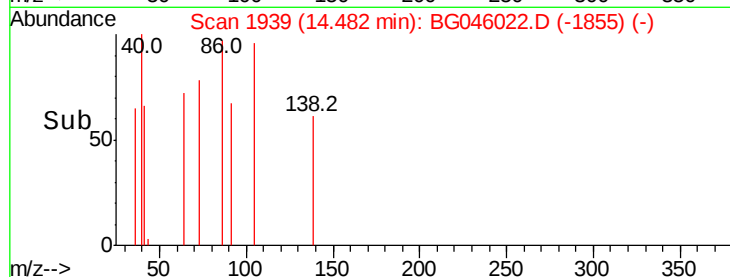
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

14.48



Time--> 14.46 14.48 14.50



#54

2,4-Dinitrophenol

Concen: 6.139 ng

RT: 14.80 min Scan# 1994

Delta R.T. 0.09 min

Lab File: BG046022.D

Acq: 13 Jul 2020 14:35

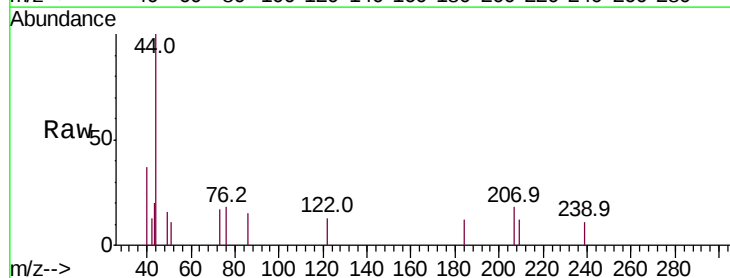
Tgt Ion:184 Resp: 58

Ion Ratio Lower Upper

184 100

63 0.0 46.0 69.0#

154 0.0 58.2 87.2#

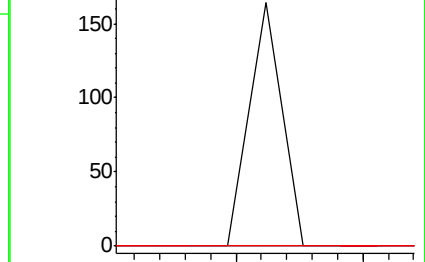


Abundance Ion 184.00 (183.70 to 184.70): E

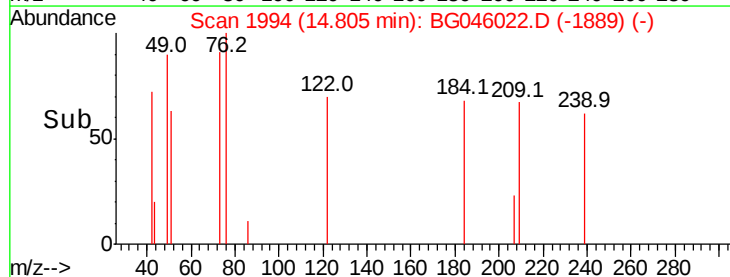
Ion 63.00 (62.70 to 63.70): BGC

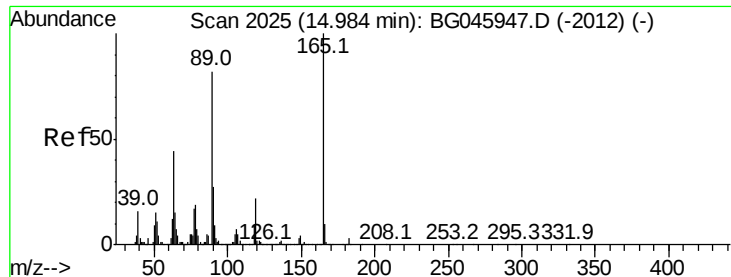
Ion 154.00 (153.70 to 154.70): E

14.80



Time--> 14.80 14.82

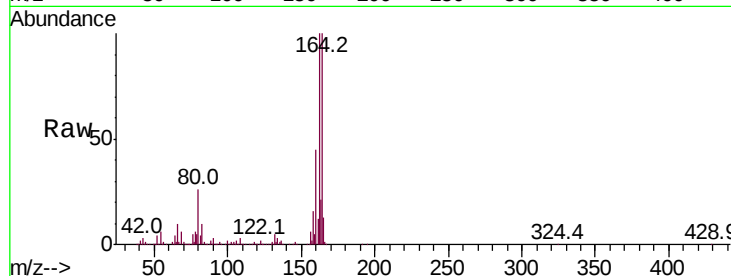




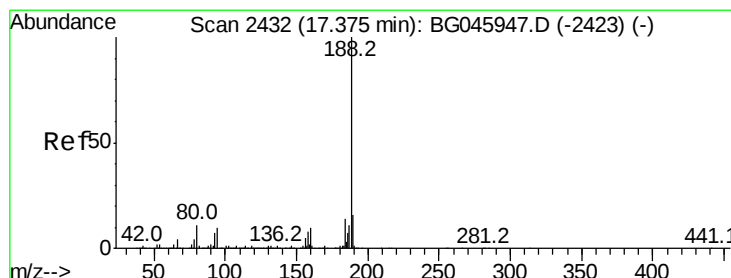
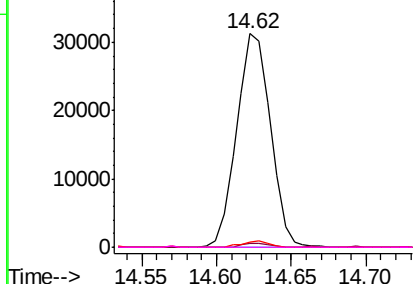
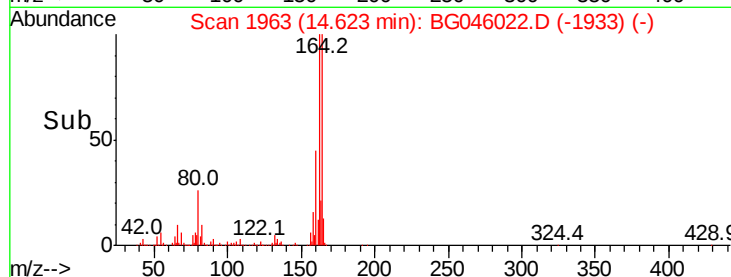
#57
2,4-Dinitrotoluene
Concen: 11.039 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.36 min
Lab File: BG046022.D
Acq: 13 Jul 2020 14:35

Instrument :
BNA_G
ClientSampleId :
PB130142TB

Tot Ion:165 Resp: 49066
Ion Ratio Lower Upper
165 100
63 2.0 35.4 53.0#
89 2.3 65.4 98.2#
182 0.0 2.0 3.0#

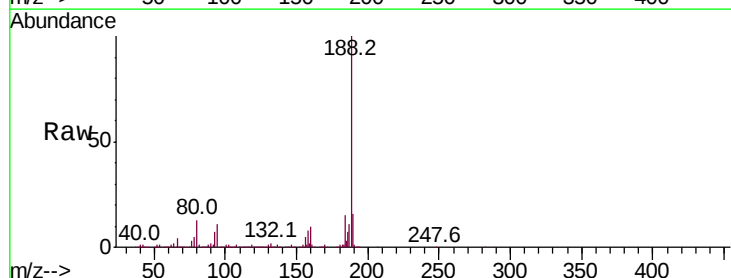


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

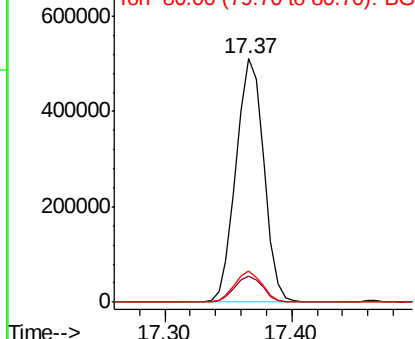
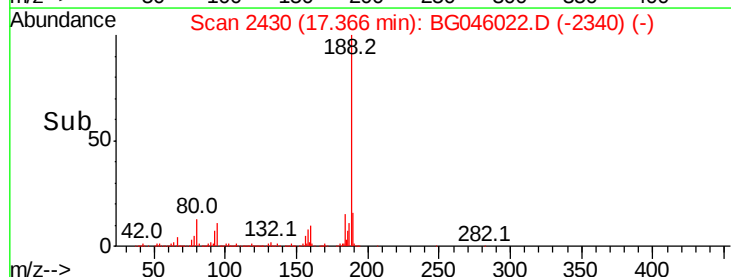


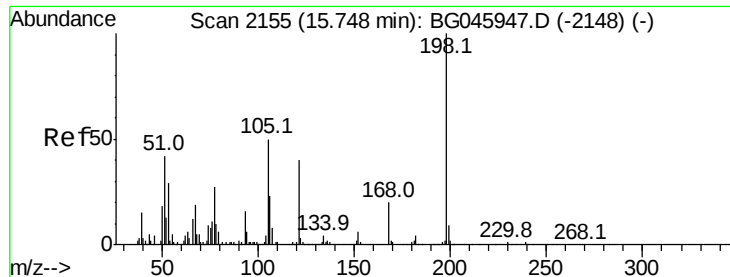
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2430
Delta R.T. -0.00 min
Lab File: BG046022.D
Acq: 13 Jul 2020 14:35

Tgt Ion:188 Resp: 774940
Ion Ratio Lower Upper
188 100
94 10.9 8.2 12.4
80 12.9 9.0 13.6



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: 7.375 ng

RT: 16.11 min Scan# 2216

Delta R.T. 0.37 min

Lab File: BG046022.D

Acq: 13 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

PB130142TB

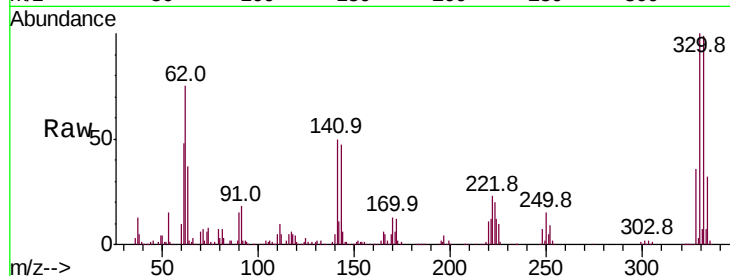
Tot Ion:198 Resp: 1816

Ion Ratio Lower Upper

198 100

51 149.8 24.5 64.5#

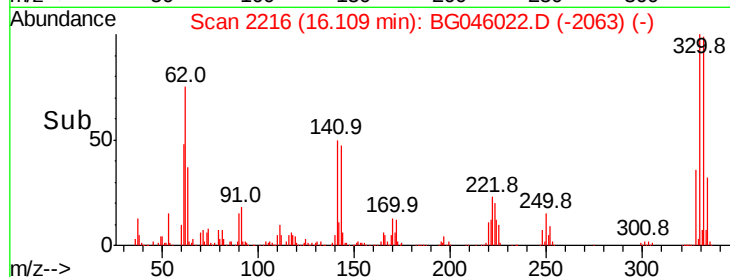
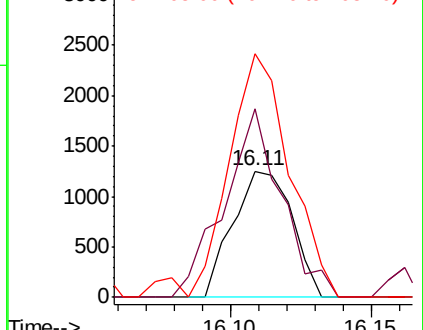
105 192.8 30.9 70.9#



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: 3.681 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.45 min

Lab File: BG046022.D

Acq: 13 Jul 2020 14:35

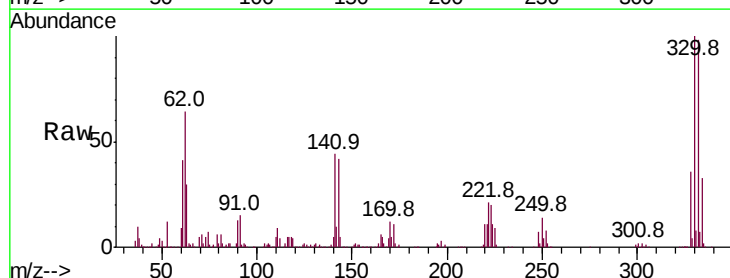
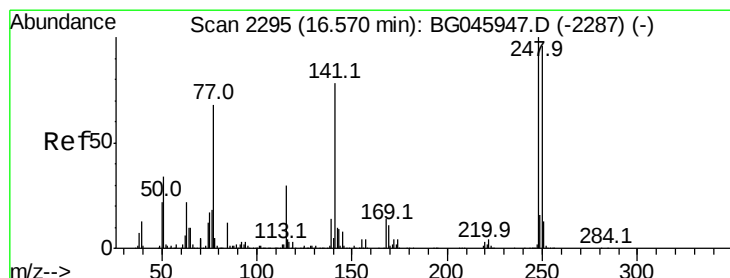
Tgt Ion:248 Resp: 31862

Ion Ratio Lower Upper

248 100

250 192.5 76.6 114.8#

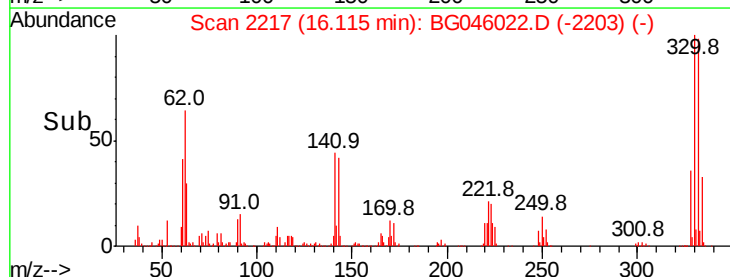
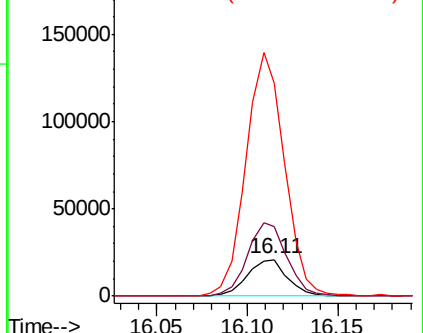
141 585.1 62.7 94.1#

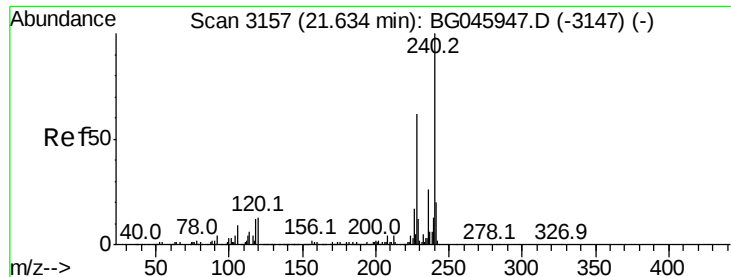


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3155

Delta R.T. -0.00 min

Lab File: BG046022.D

Acq: 13 Jul 2020 14:35

Instrument :

BNA_G

ClientSampleId :

PB130142TB

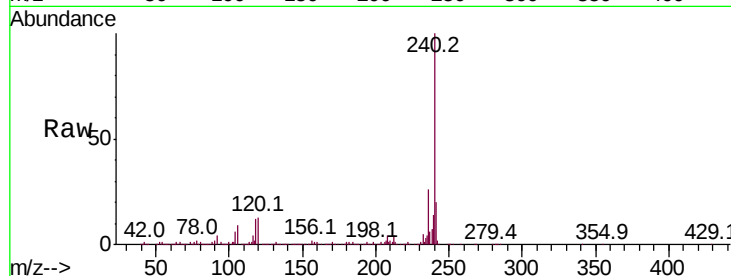
Tot Ion:240 Resp: 678541

Ion Ratio Lower Upper

240 100

120 13.0 10.6 16.0

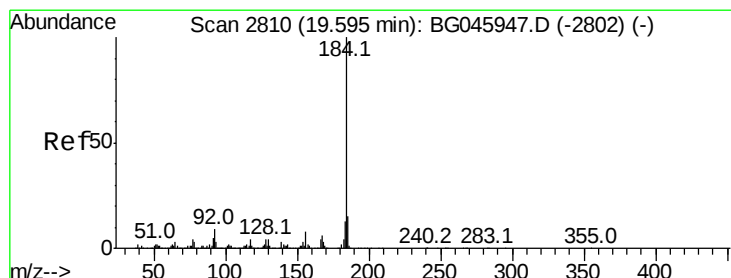
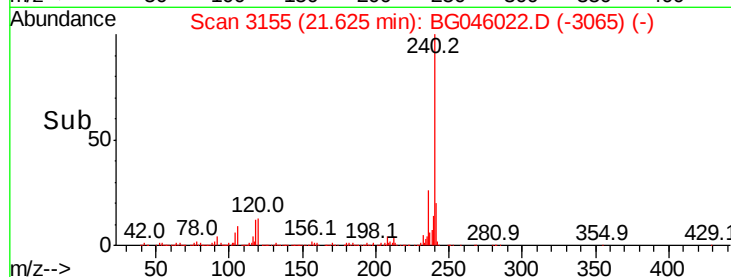
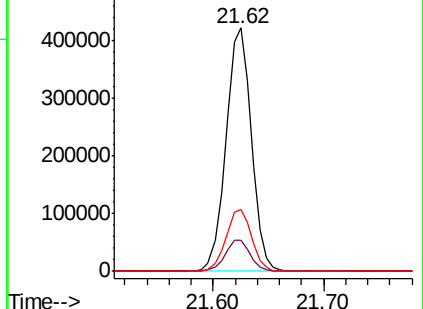
236 25.6 20.4 30.6



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: 2.695 ng

RT: 19.98 min Scan# 2875

Delta R.T. 0.38 min

Lab File: BG046022.D

Acq: 13 Jul 2020 14:35

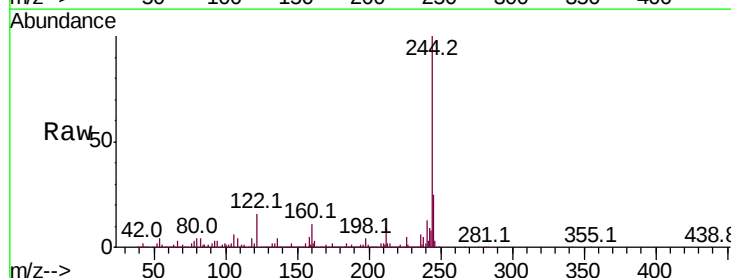
Tgt Ion:184 Resp: 52286

Ion Ratio Lower Upper

184 100

185 16.0 11.6 17.4

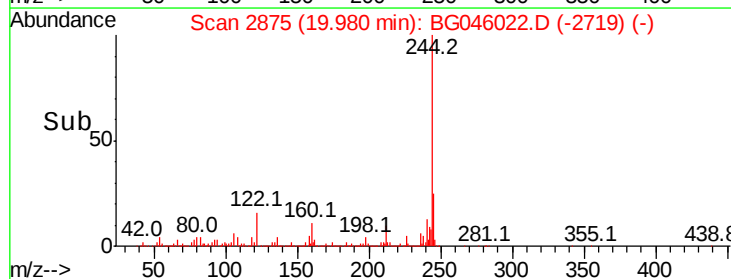
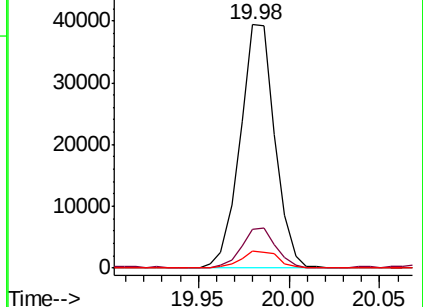
183 7.0 10.4 15.6#

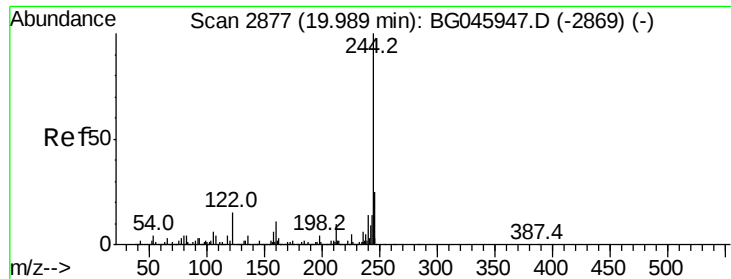


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 83.209 ng

RT: 19.99 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BG046022.D

Acq: 13 Jul 2020 14:35

Instrument :

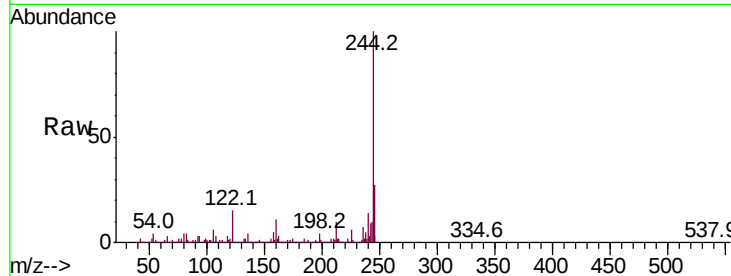
BNA_G

ClientSampleId :

PB130142TB

Tot Ion:244 Resp: 2536976

Ion	Ratio	Lower	Upper
244	100		
212	10.4	8.3	12.5
122	14.9	12.1	18.1

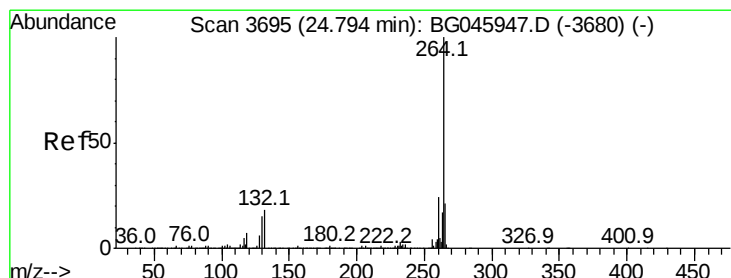
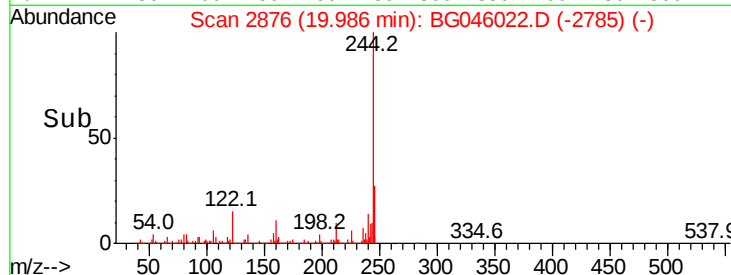
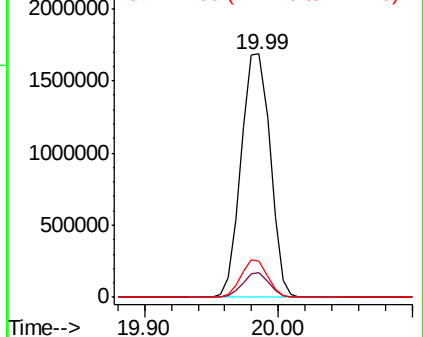


Abundance

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: 24.78 min Scan# 3692

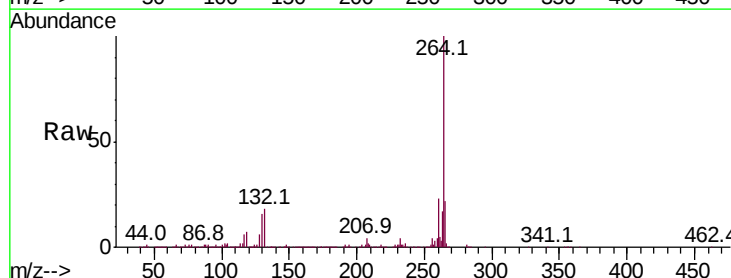
Delta R.T. -0.00 min

Lab File: BG046022.D

Acq: 13 Jul 2020 14:35

Tgt Ion:264 Resp: 669991

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.6
265	22.1	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

