

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070720\
 Data File : BG045967.D
 Acq On : 7 Jul 2020 20:01
 Operator : CG/JU
 Sample : PB129957BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB129957BL

Quant Time: Jul 08 04:04:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 09:58:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	148064	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	593535	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	365869	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	735534	20.00	ng	0.00
76) Chrysene-d12	21.63	240	705795	20.00	ng	0.00
86) Perylene-d12	24.79	264	696426	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	1105663	121.10	ng	0.00
7) Phenol-d6	7.16	99	1519055	115.56	ng	0.00
23) Nitrobenzene-d5	9.16	82	990529	96.06	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	429921	126.61	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1944102	82.88	ng	0.00
79) Terphenyl-d14	19.99	244	2646890	83.46	ng	0.00

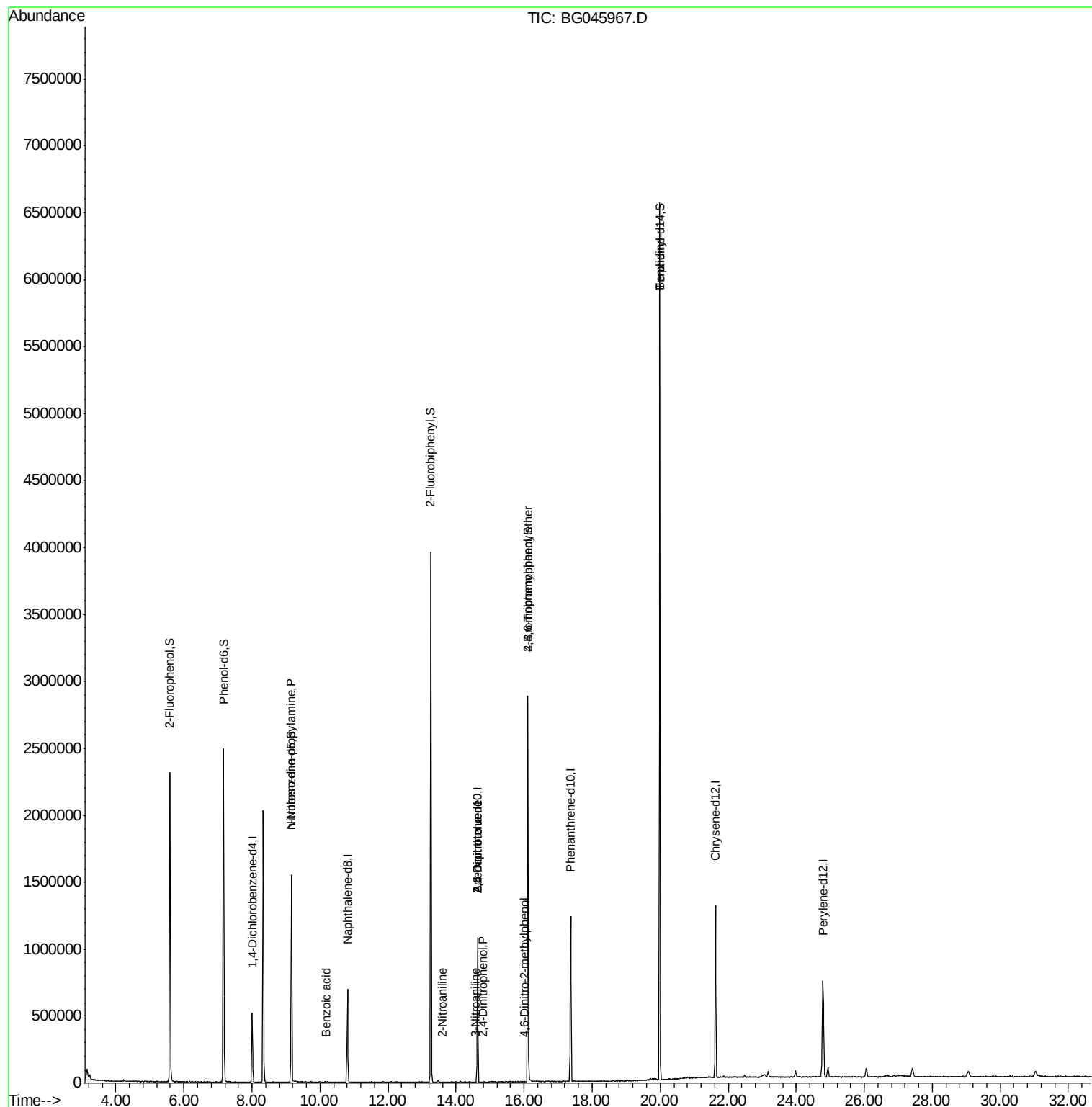
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.16	70	137600	14.901	ng	# 80
32) Benzoic acid	10.18	122	89	6.521	ng	# 28
48) 2-Nitroaniline	13.59	65	174	3.396	ng	# 7
51) 2,6-Dinitrotoluene	14.63	165	46694	12.163	ng	# 19
53) 3-Nitroaniline	14.58	138	67	2.993	ng	# 1
54) 2,4-Dinitrophenol	14.78	184	53	6.137	ng	# 17
57) 2,4-Dinitrotoluene	14.63	165	46694	10.762	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.02	198	74	6.816	ng	# 29
67) 4-Bromophenyl-phenylether	16.11	248	31709	3.860	ng	# 1
77) Benzidine	19.99	184	56294	2.790	ng	# 90

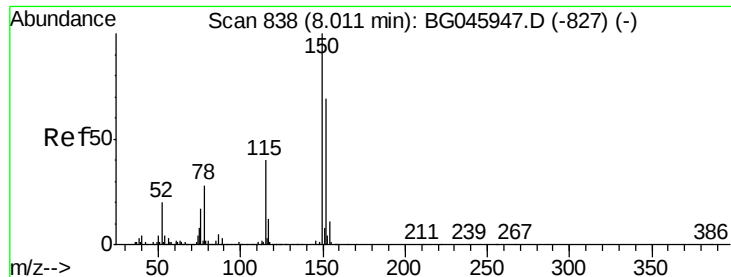
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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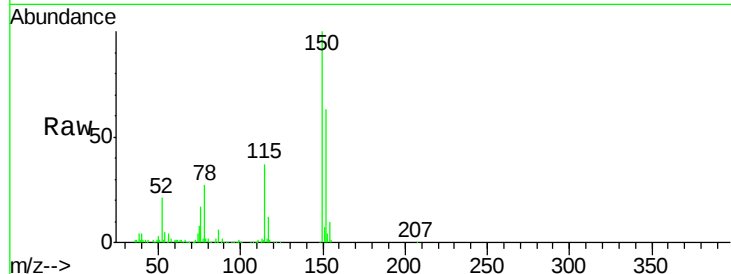


#1

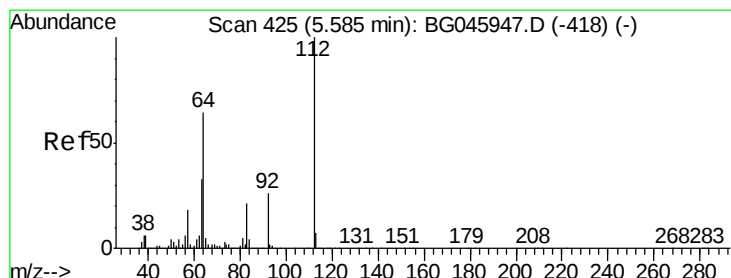
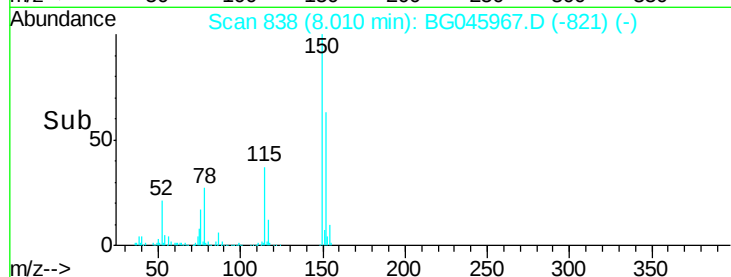
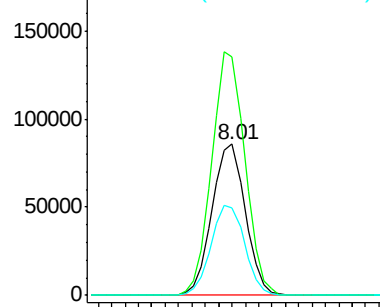
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.00 min
Lab File: BG045967.D
Acq: 7 Jul 2020 20:01

Instrument :
BNA_G
ClientSampleId :
PB129957BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	116.7	175.1
115	58.0	47.4	71.0



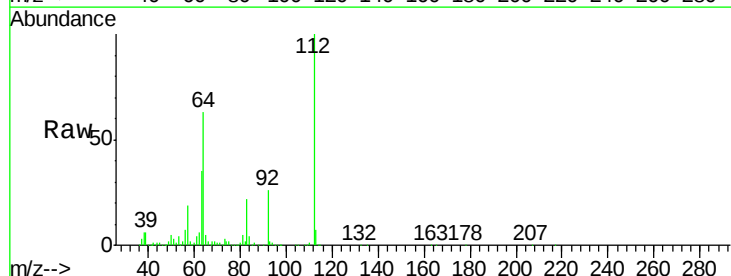
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



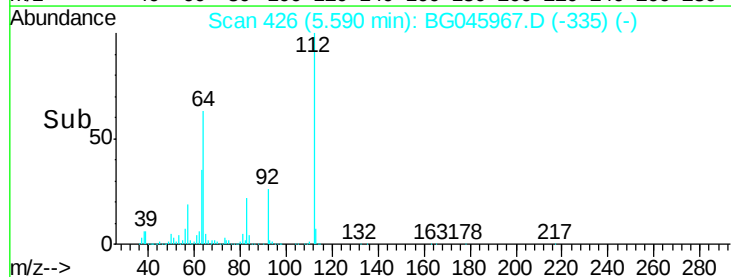
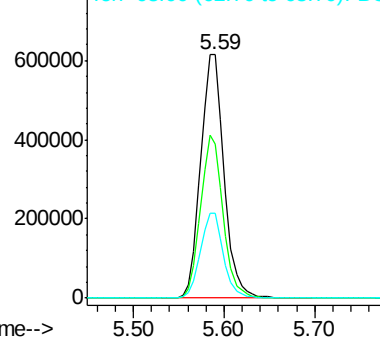
#5

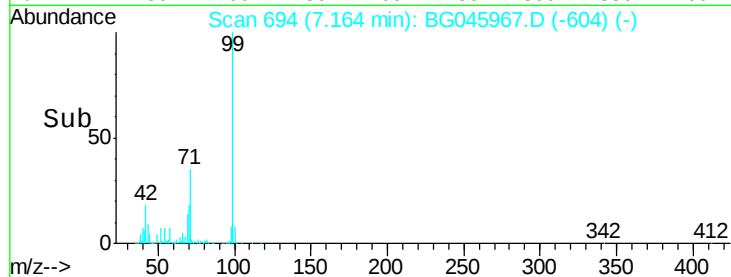
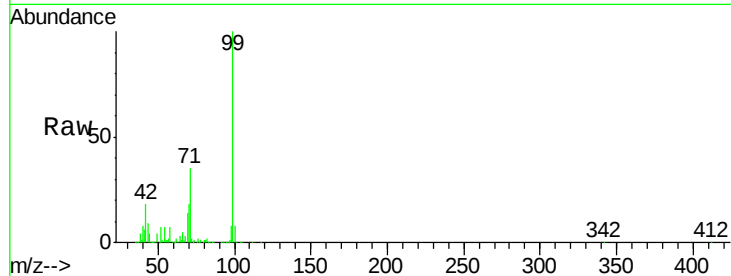
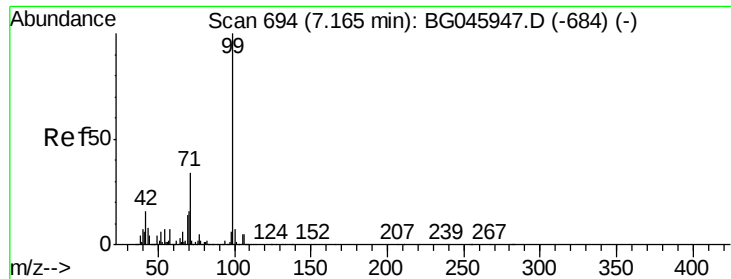
2-Fluorophenol
Concen: 121.097 ng
RT: 5.59 min Scan# 426
Delta R.T. 0.01 min
Lab File: BG045967.D
Acq: 7 Jul 2020 20:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	51.4	77.2
63	35.0	26.6	40.0



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





#7

Phenol-d6

Concen: 115.561 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045967.D

Acq: 7 Jul 2020 20:01

Instrument :

BNA_G

ClientSampleId :

PB129957BL

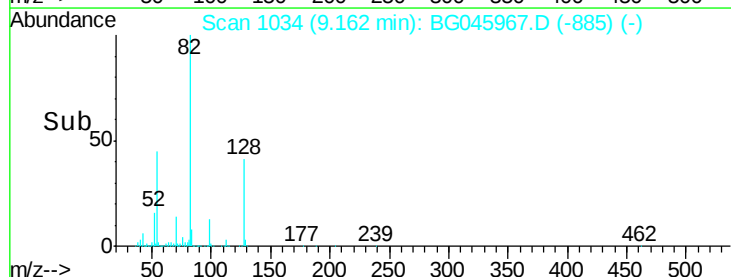
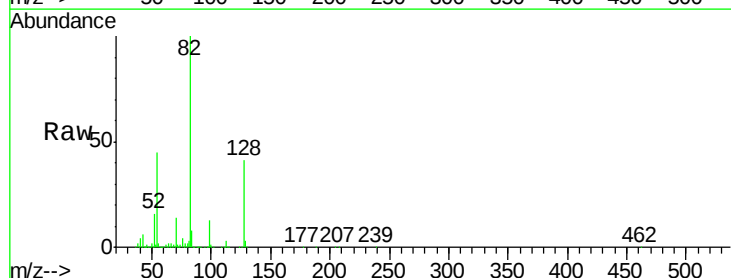
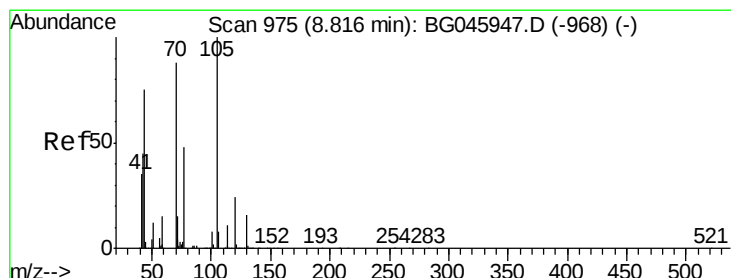
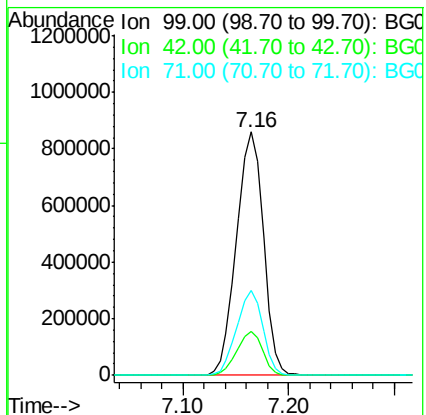
Tot Ion: 99 Resp: 1519055

Ion Ratio Lower Upper

99 100

42 17.9 13.0 19.4

71 35.1 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 14.901 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG045967.D

Acq: 7 Jul 2020 20:01

Tgt Ion: 70 Resp: 137600

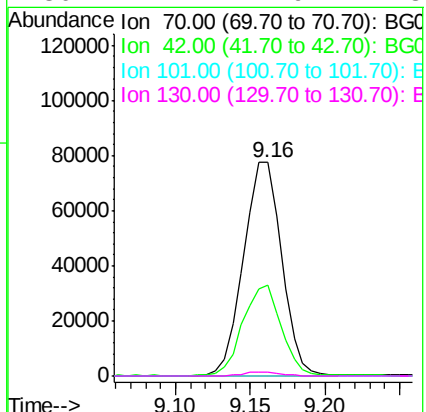
Ion Ratio Lower Upper

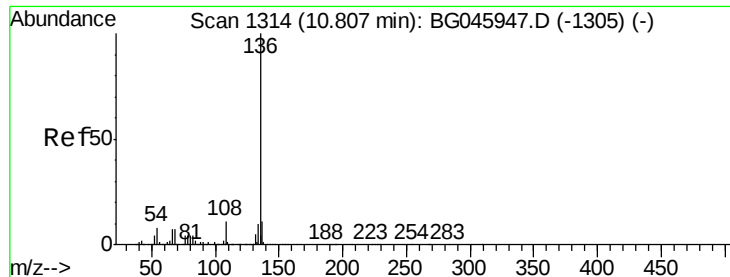
70 100

42 42.6 41.4 62.0

101 0.2 7.1 10.7#

130 2.1 14.9 22.3#

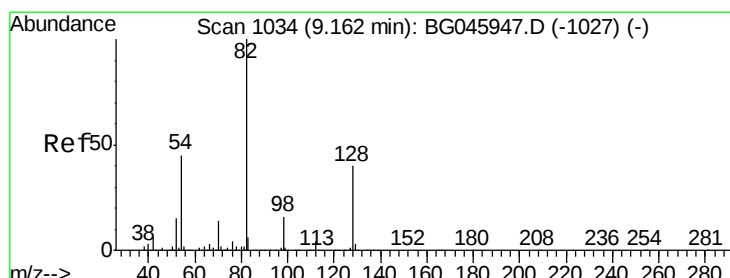
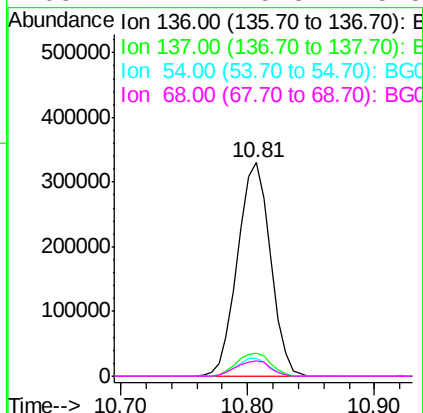
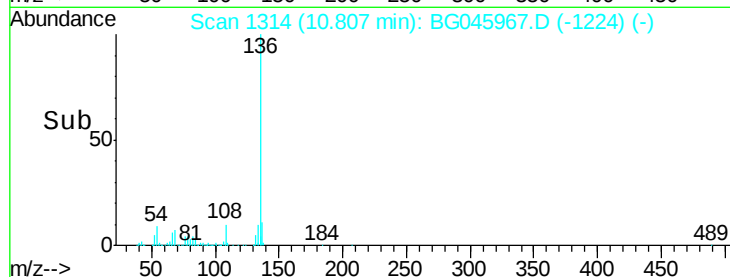
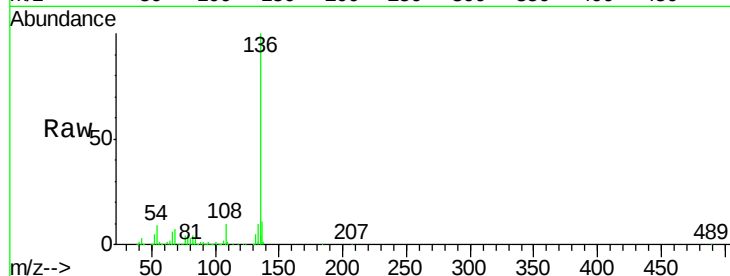




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.00 min
Lab File: BG045967.D
Acq: 7 Jul 2020 20:01

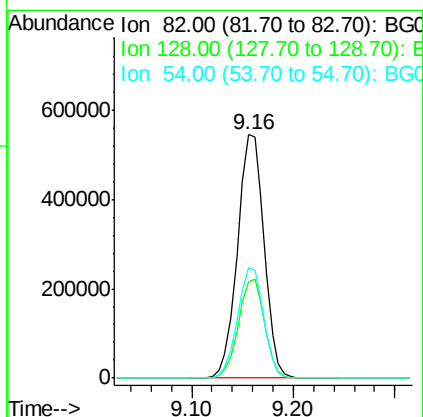
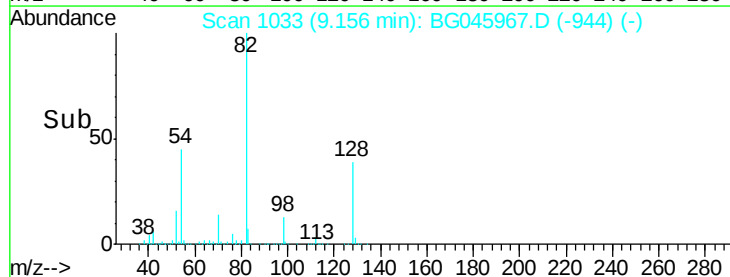
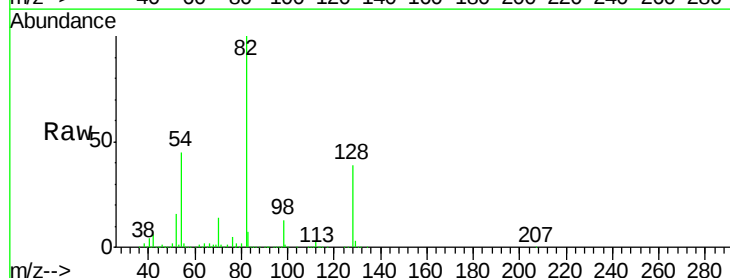
Instrument :
BNA_G
ClientSampleId :
PB129957BL

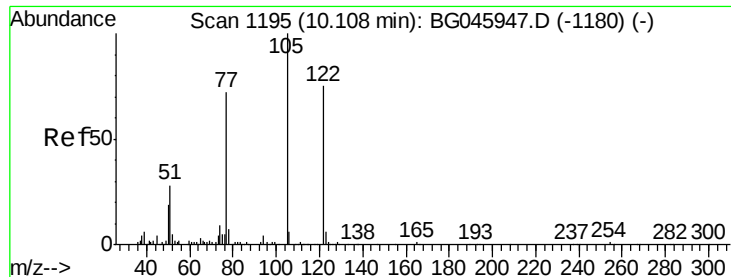
Tot Ion:136	Resp:	593535
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.2 13.8
54	8.5	6.2 9.4
68	7.4	5.8 8.8



#23
Nitrobenzene-d5
Concen: 96.056 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG045967.D
Acq: 7 Jul 2020 20:01

Tgt Ion: 82	Resp:	990529
Ion Ratio	Lower	Upper
82	100	
128	39.3	32.2 48.4
54	45.4	35.8 53.6





#32

Benzoic acid

Concen: 6.521 ng

RT: 10.18 min Scan# 1208

Delta R.T. 0.08 min

Lab File: BG045967.D

Acq: 7 Jul 2020 20:01

Instrument :

BNA_G

ClientSampled :

PB129957BL

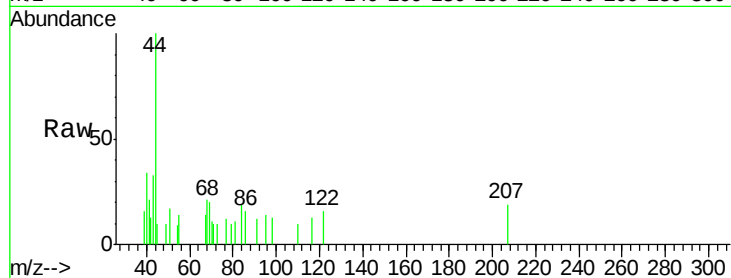
Tot Ion:122 Resp: 89

Ion Ratio Lower Upper

122 100

105 0.0 110.8 150.8#

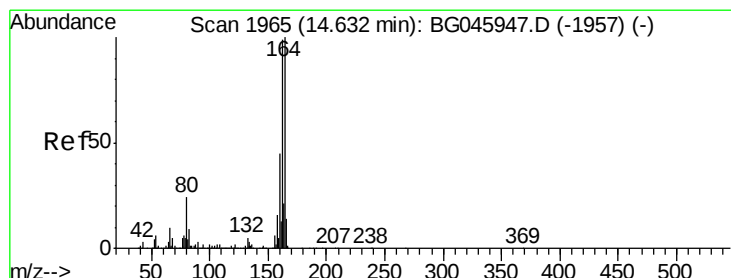
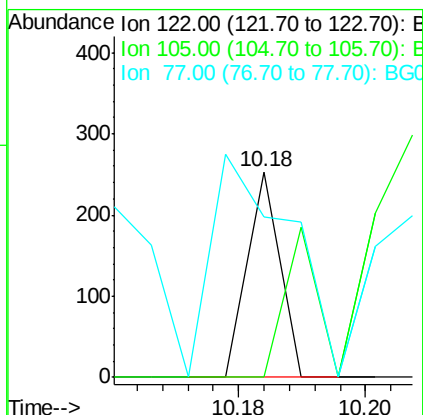
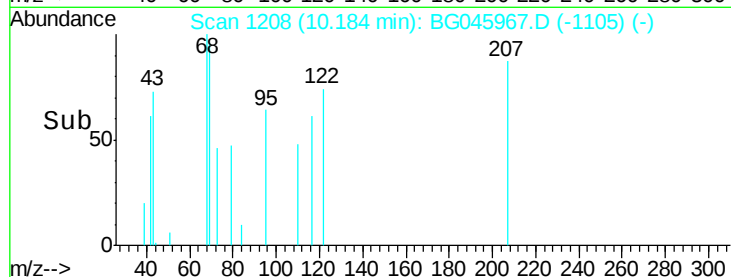
77 77.9 76.4 116.4



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): B



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.00 min

Lab File: BG045967.D

Acq: 7 Jul 2020 20:01

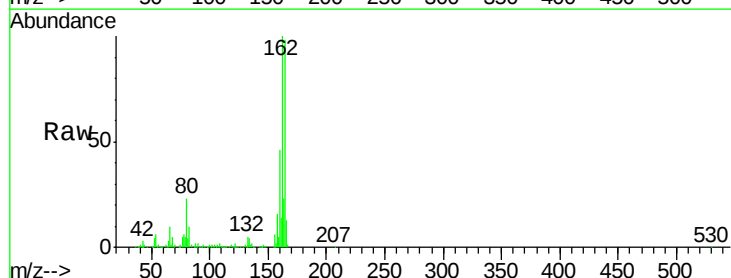
Tgt Ion:164 Resp: 365869

Ion Ratio Lower Upper

164 100

162 102.0 79.3 118.9

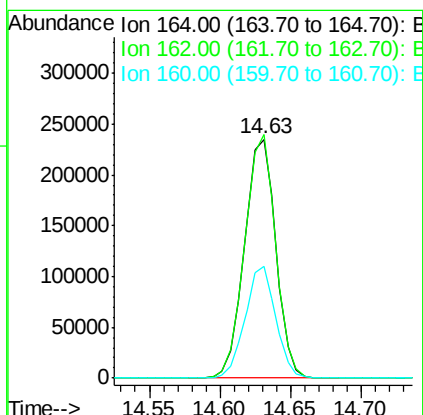
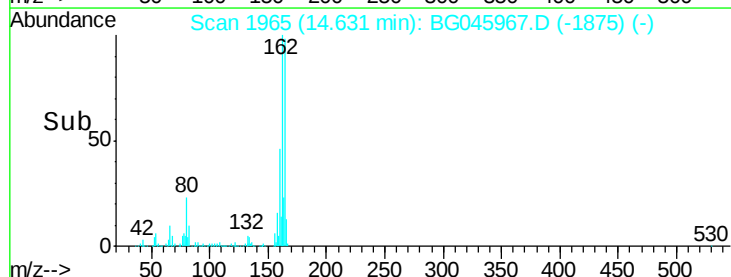
160 47.0 35.7 53.5

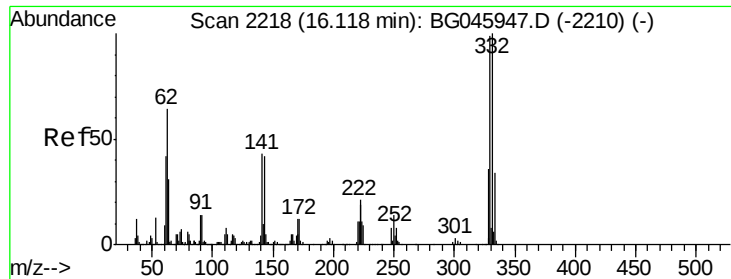


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

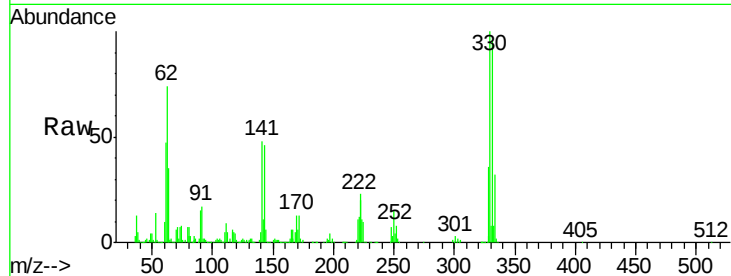




#42
 2,4,6-Tribromophenol
 Concen: 126.609 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.01 min
 Lab File: BG045967.D
 Acq: 7 Jul 2020 20:01

Instrument :
 BNA_G
 ClientSampleId :
 PB129957BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.3	117.5
141	46.9	36.6	54.8

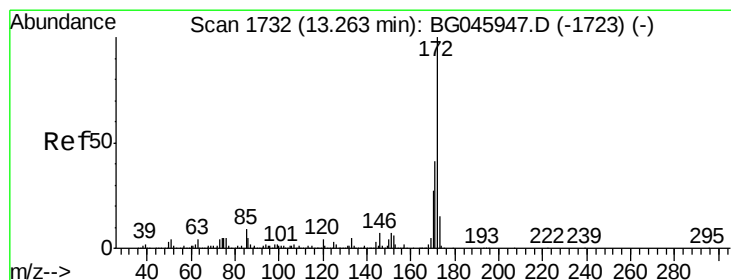
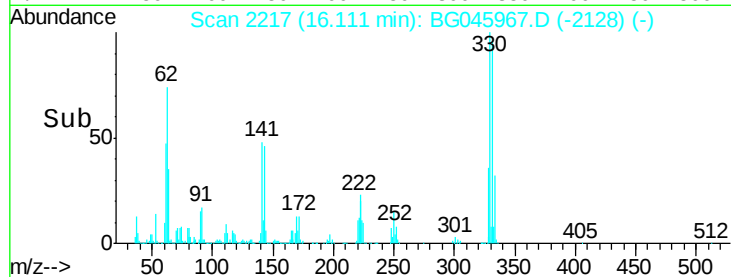
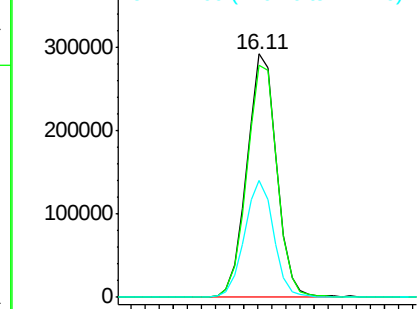


Abundance

Ion 329.80 (329.50 to 330.50): E

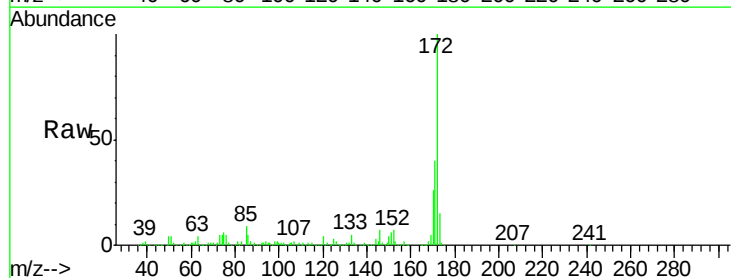
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 82.884 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG045967.D
 Acq: 7 Jul 2020 20:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.0	32.9	49.3
170	26.1	21.8	32.6

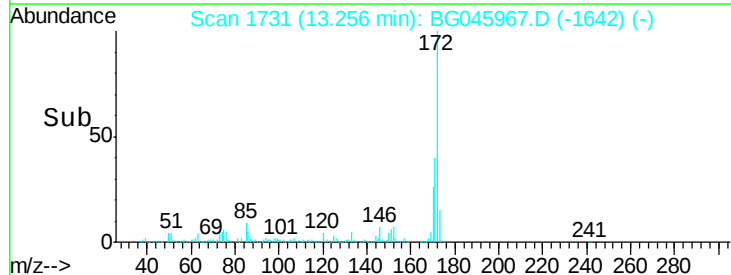
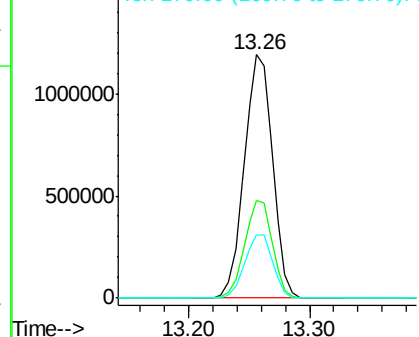


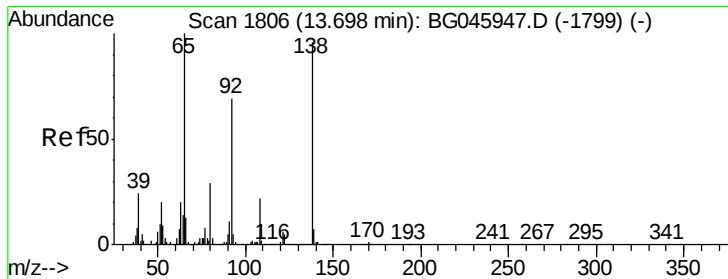
Abundance

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: 3.396 ng

RT: 13.59 min Scan# 1787

Delta R.T. -0.11 min

Lab File: BG045967.D

Acq: 7 Jul 2020 20:01

Instrument :

BNA_G

ClientSampleId :

PB129957BL

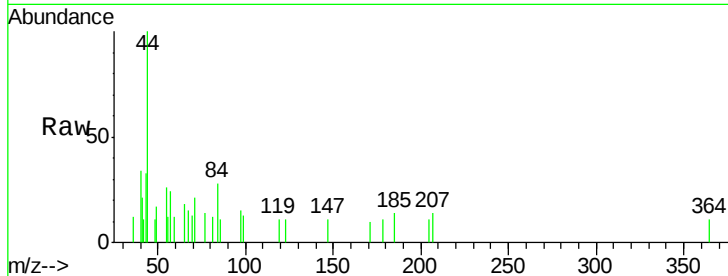
Tot Ion: 65 Resp: 174

Ion Ratio Lower Upper

65 100

92 0.0 55.4 83.0#

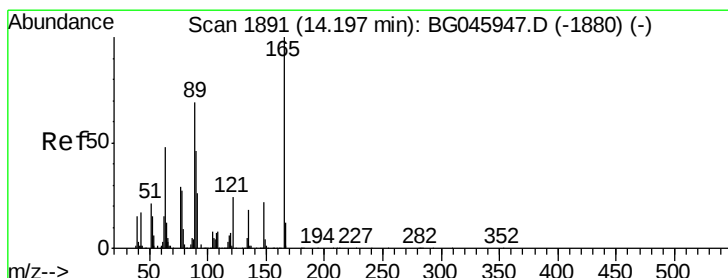
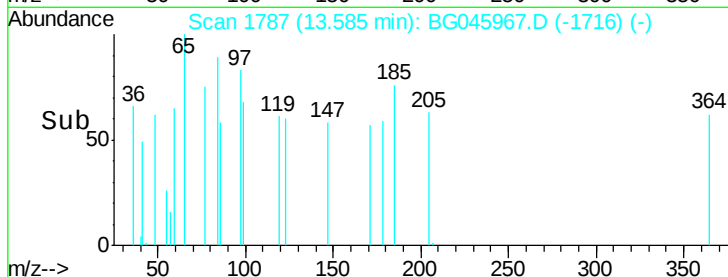
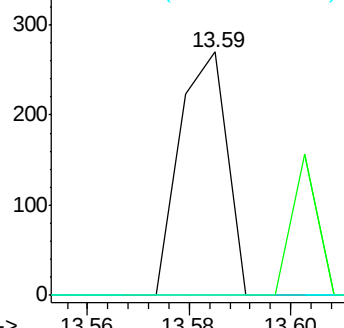
138 0.0 77.0 115.4#



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: 12.163 ng

RT: 14.63 min Scan# 1965

Delta R.T. 0.43 min

Lab File: BG045967.D

Acq: 7 Jul 2020 20:01

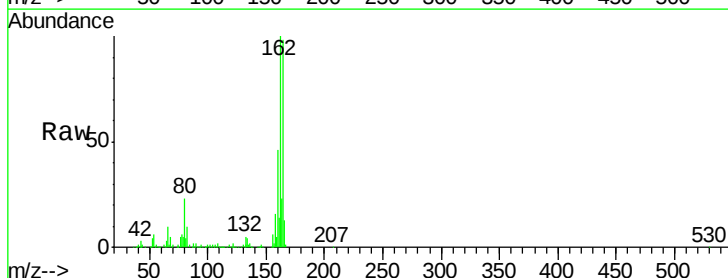
Tgt Ion:165 Resp: 46694

Ion Ratio Lower Upper

165 100

63 1.4 51.0 76.4#

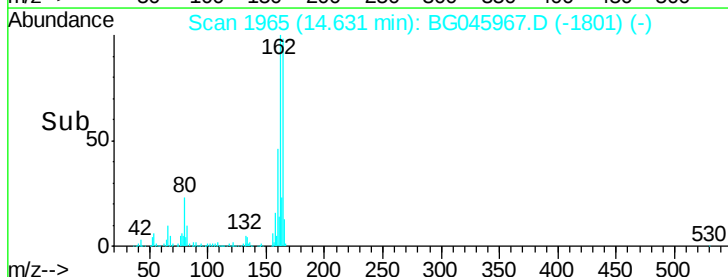
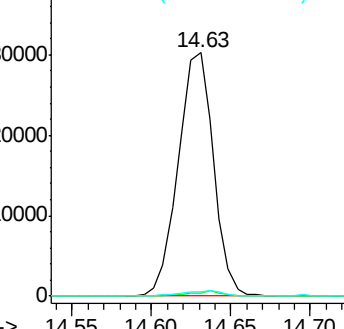
89 2.0 55.7 83.5#

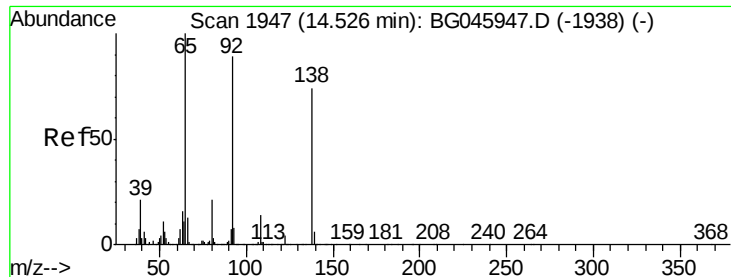


Abundance Ion 165.00 (164.70 to 165.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#53

3-Nitroaniline

Concen: 2.993 ng

RT: 14.58 min Scan# 1956

Delta R.T. 0.05 min

Lab File: BG045967.D

Acq: 7 Jul 2020 20:01

Instrument :

BNA_G

ClientSampleId :

PB129957BL

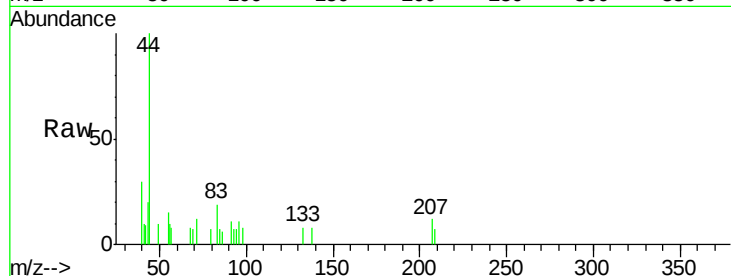
Tot Ion:138 Resp: 67

Ion Ratio Lower Upper

138 100

108 0.0 15.4 23.2#

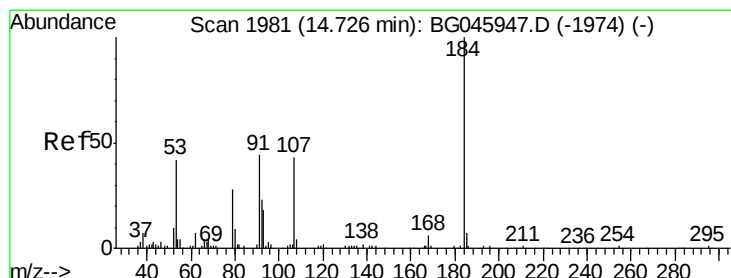
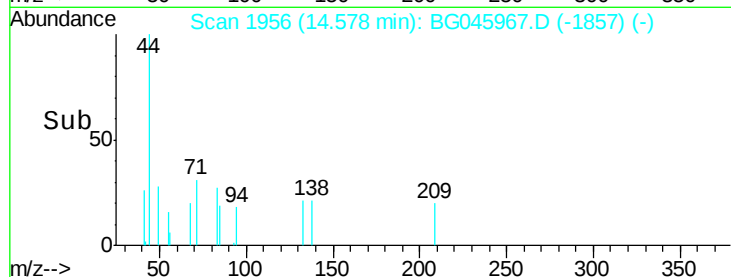
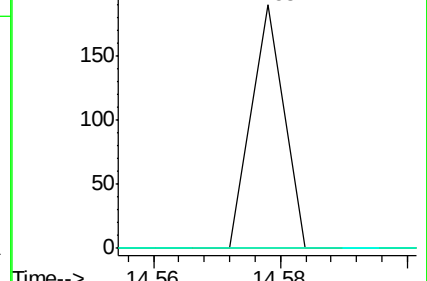
92 0.0 95.9 143.9#



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



#54

2,4-Dinitrophenol

Concen: 6.137 ng

RT: 14.78 min Scan# 1991

Delta R.T. 0.06 min

Lab File: BG045967.D

Acq: 7 Jul 2020 20:01

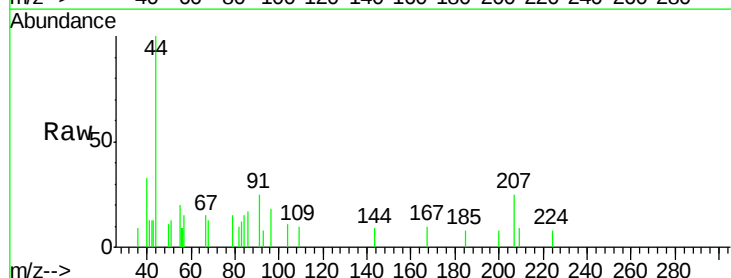
Tgt Ion:184 Resp: 53

Ion Ratio Lower Upper

184 100

63 0.0 46.0 69.0#

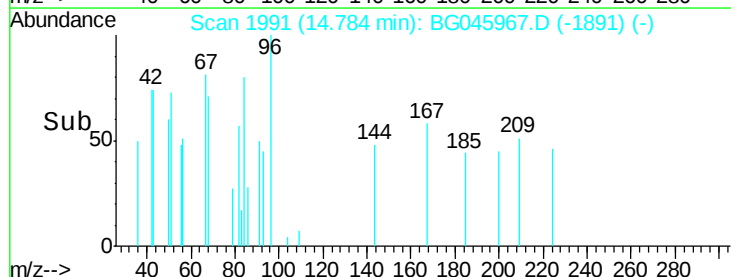
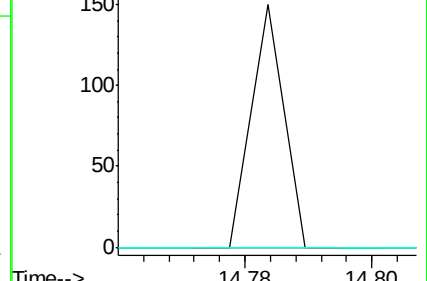
154 0.0 58.2 87.2#

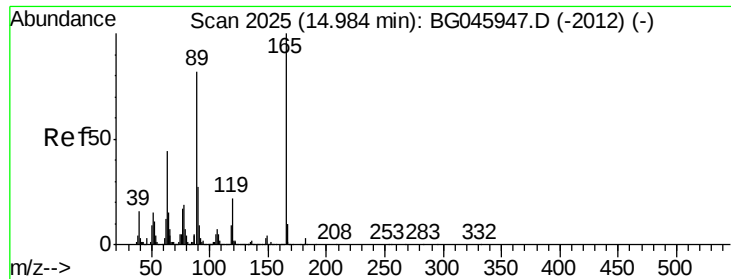


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

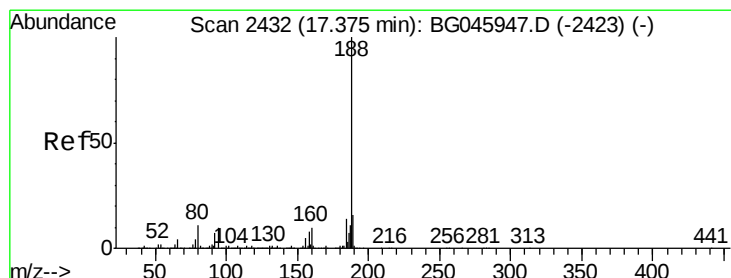
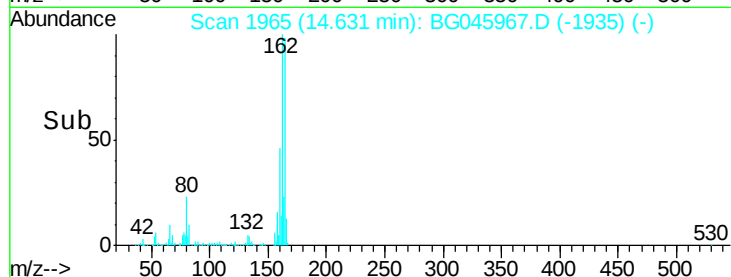
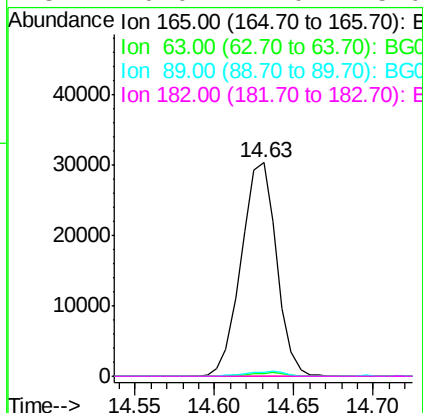
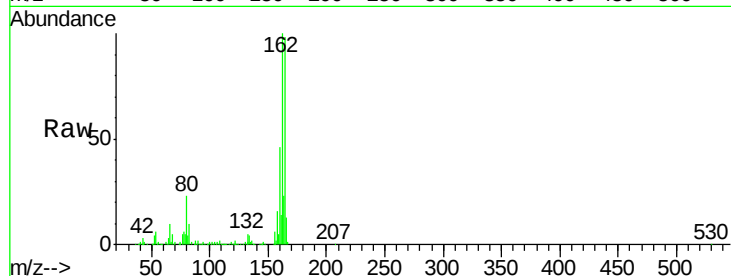




#57
2,4-Dinitrotoluene
Concen: 10.762 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.35 min
Lab File: BG045967.D
Acq: 7 Jul 2020 20:01

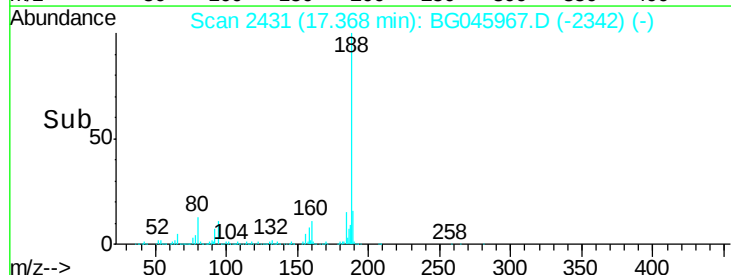
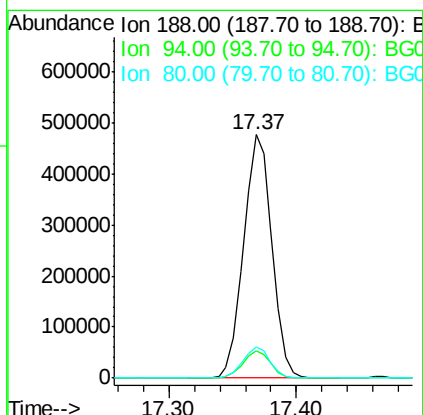
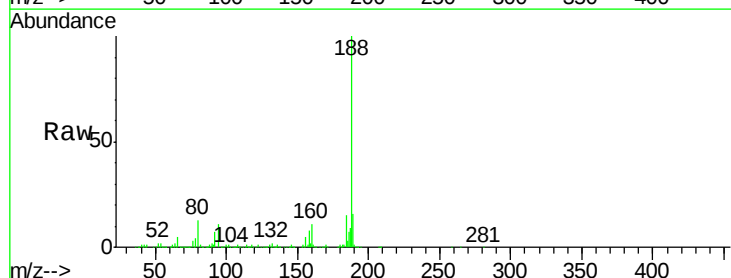
Instrument :
BNA_G
ClientSampleId :
PB129957BL

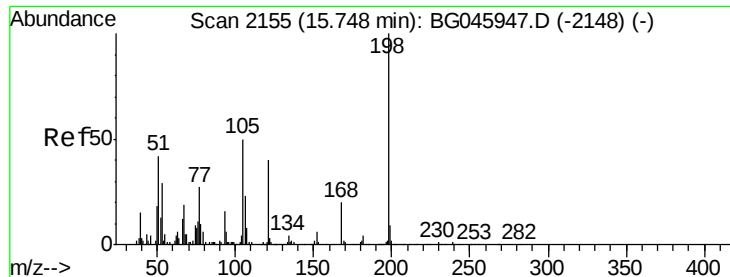
Tot Ion:165 Resp: 46694
Ion Ratio Lower Upper
165 100
63 1.4 35.4 53.0#
89 2.0 65.4 98.2#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BG045967.D
Acq: 7 Jul 2020 20:01

Tgt Ion:188 Resp: 735534
Ion Ratio Lower Upper
188 100
94 11.2 8.2 12.4
80 12.7 9.0 13.6

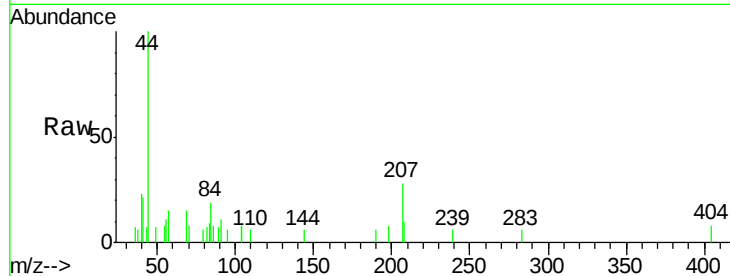




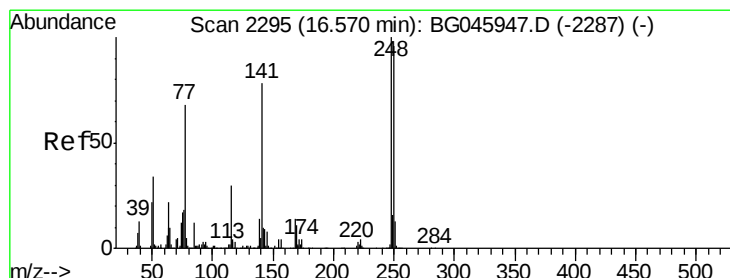
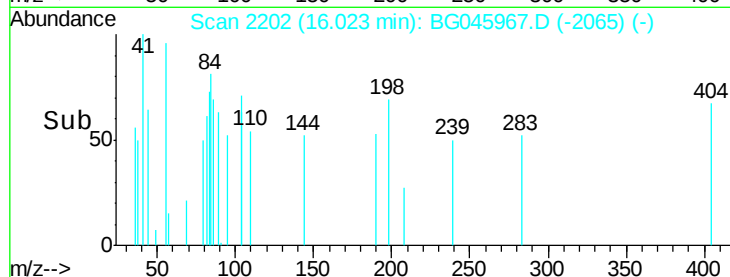
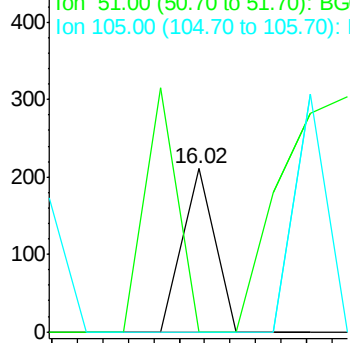
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.816 ng
 RT: 16.02 min Scan# 2202
 Delta R.T. 0.28 min
 Lab File: BG045967.D
 Acq: 7 Jul 2020 20:01

Instrument :
 BNA_G
 ClientSampleId :
 PB129957BL

Tot Ion:198 Resp: 74
 Ion Ratio Lower Upper
 198 100
 51 0.0 24.5 64.5#
 105 0.0 30.9 70.9#

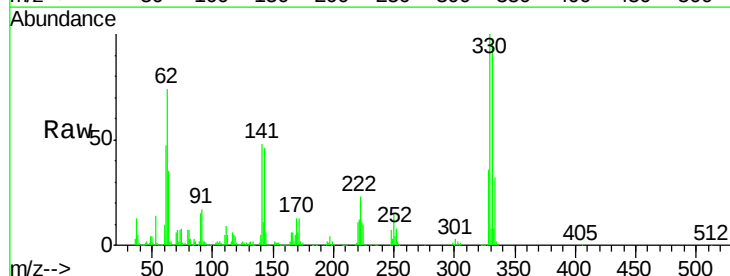


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

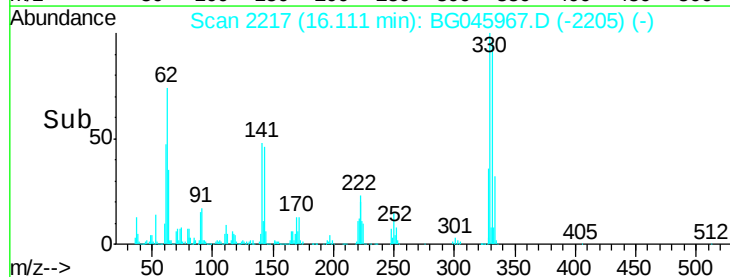
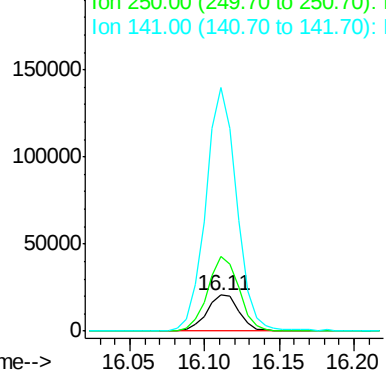


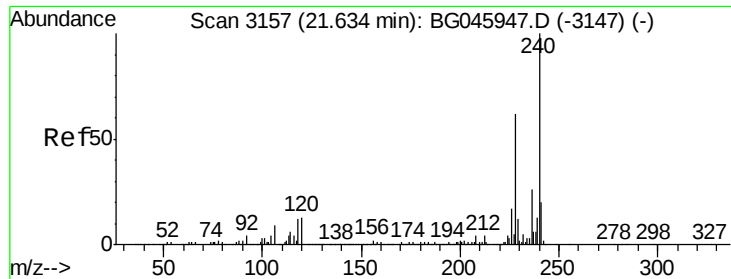
#67
 4-Bromophenyl-phenylether
 Concen: 3.860 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.46 min
 Lab File: BG045967.D
 Acq: 7 Jul 2020 20:01

Tgt Ion:248 Resp: 31709
 Ion Ratio Lower Upper
 248 100
 250 209.0 76.6 114.8#
 141 676.9 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

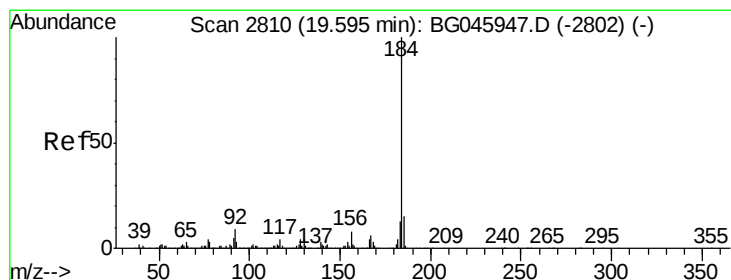
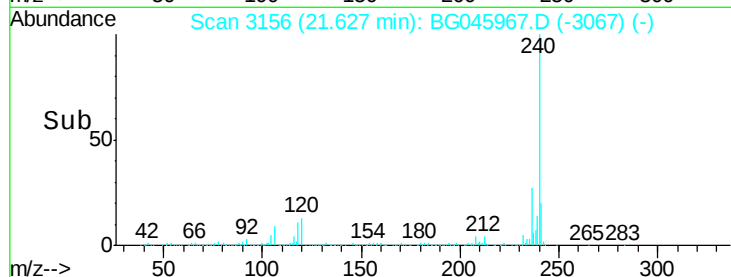
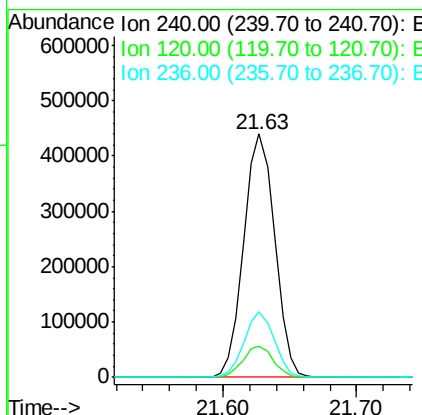
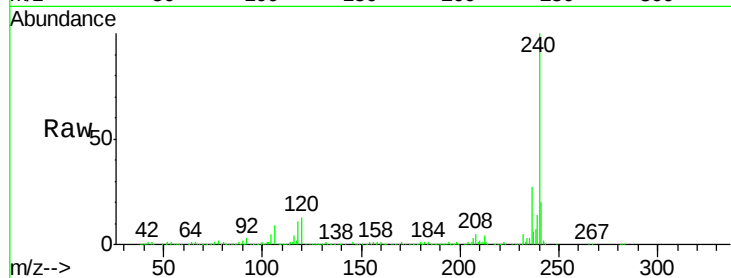




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.01 min
Lab File: BG045967.D
Acq: 7 Jul 2020 20:01

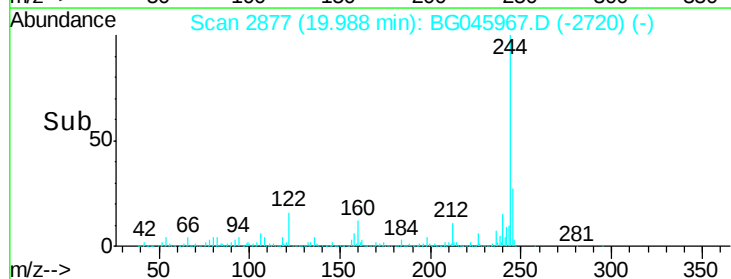
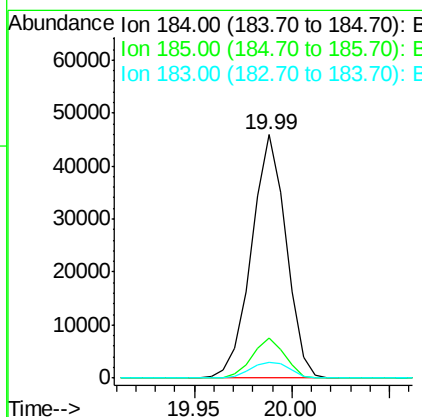
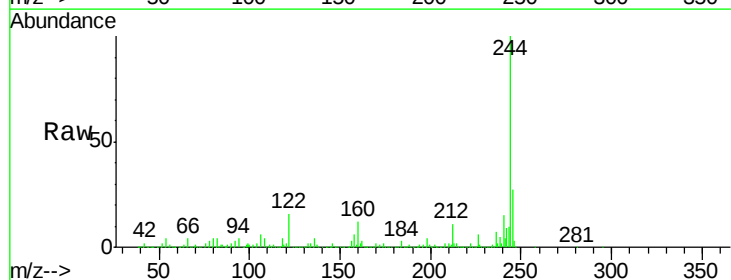
Instrument :
BNA_G
ClientSampleId :
PB129957BL

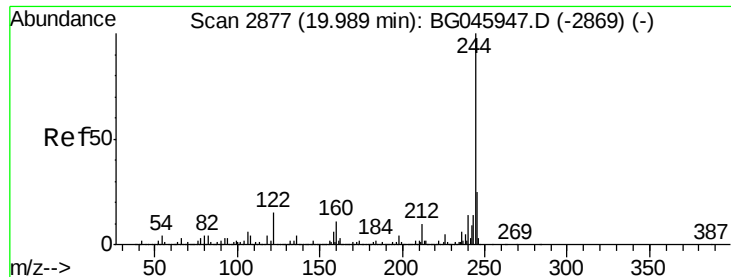
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.6	10.6	16.0
236	26.8	20.4	30.6



#77
Benzidine
Concen: 2.790 ng
RT: 19.99 min Scan# 2877
Delta R.T. 0.39 min
Lab File: BG045967.D
Acq: 7 Jul 2020 20:01

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.4	11.6	17.4
183	6.3	10.4	15.6





#79

Terphenyl-d14

Concen: 83.462 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG045967.D

Acq: 7 Jul 2020 20:01

Instrument :

BNA_G

ClientSampleId :

PB129957BL

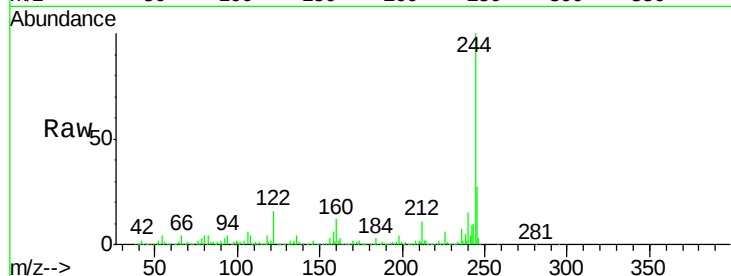
Tot Ion:244 Resp: 2646890

Ion	Ratio	Lower	Upper
244	100		
212	10.6	8.3	12.5
122	16.4	12.1	18.1

244 100

212 10.6 8.3 12.5

122 16.4 12.1 18.1

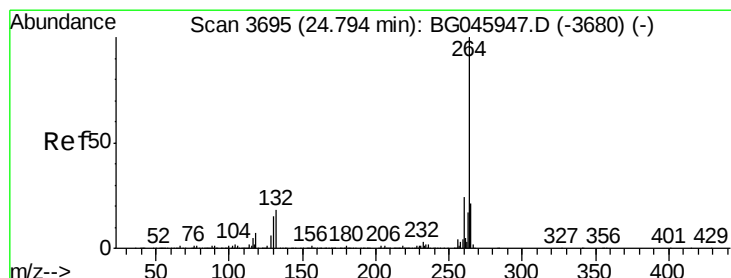
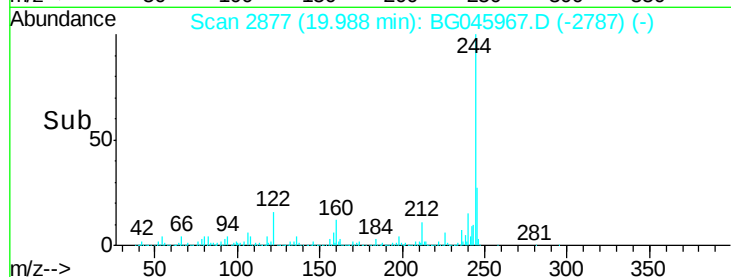
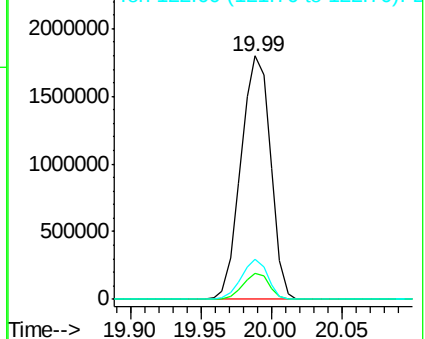


Abundance

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: 24.79 min Scan# 3694

Delta R.T. -0.01 min

Lab File: BG045967.D

Acq: 7 Jul 2020 20:01

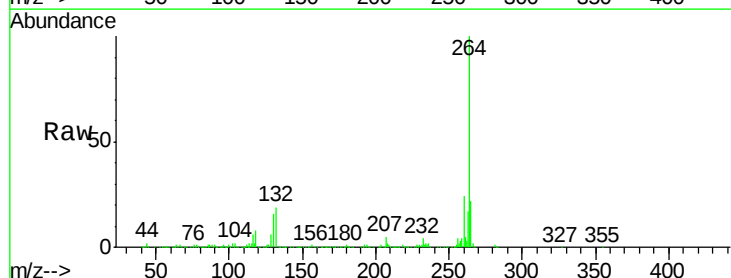
Tgt Ion:264 Resp: 696426

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.6
265	22.2	16.9	25.3

264 100

260 23.7 19.0 28.6

265 22.2 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

