

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071020\
 Data File : BG046014.D
 Acq On : 10 Jul 2020 19:52
 Operator : CG/JU
 Sample : L3203-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RO-10

Quant Time: Jul 11 00:59:42 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

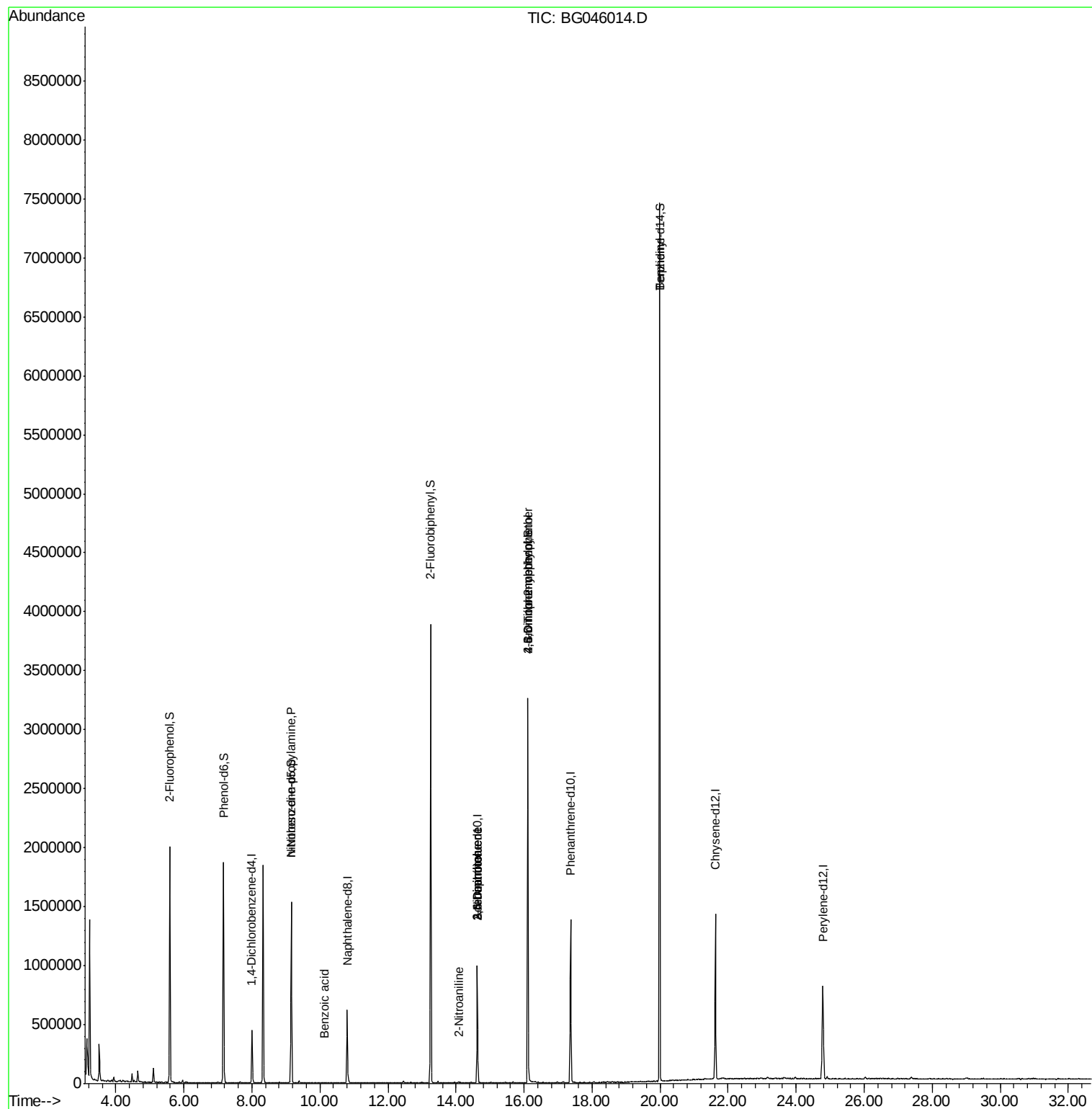
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	123244	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	507082	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	332131	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	813446	20.00	ng	0.00
76) Chrysene-d12	21.62	240	739915	20.00	ng	0.00
86) Perylene-d12	24.78	264	715738	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	896306	117.94	ng	0.00
7) Phenol-d6	7.16	99	1170465	106.97	ng	0.00
23) Nitrobenzene-d5	9.16	82	994112	112.84	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	529394	171.74	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1867908	87.72	ng	0.00
79) Terphenyl-d14	19.99	244	3002244	90.30	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.16	70	133676	17.391	ng	# 77
32) Benzoic acid	10.15	122	68	6.519	ng	# 32
48) 2-Nitroaniline	14.08	65	172	3.399	ng	# 6
51) 2,6-Dinitrotoluene	14.62	165	43656	12.428	ng	# 19
53) 3-Nitroaniline	14.63	138	56	2.993	ng	# 1
57) 2,4-Dinitrotoluene	14.62	165	43656	10.965	ng	# 21
65) 4,6-Dinitro-2-methylphenol	16.11	198	2468	7.547	ng	# 1
67) 4-Bromophenyl-phenylether	16.11	248	39275	4.323	ng	# 1
77) Benzidine	19.99	184	69102	3.266	ng	# 92

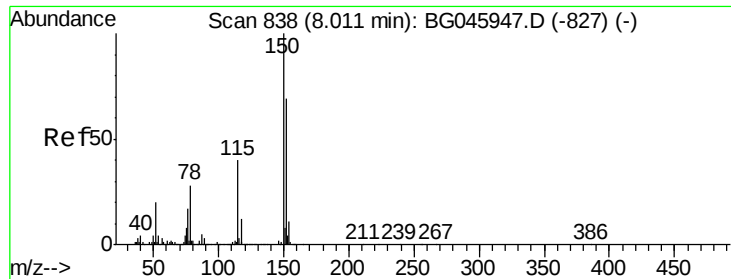
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071020\
Data File : BG046014.D
Acq On : 10 Jul 2020 19:52
Operator : CG/JU
Sample : L3203-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RO-10

Quant Time: Jul 11 00:59:42 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



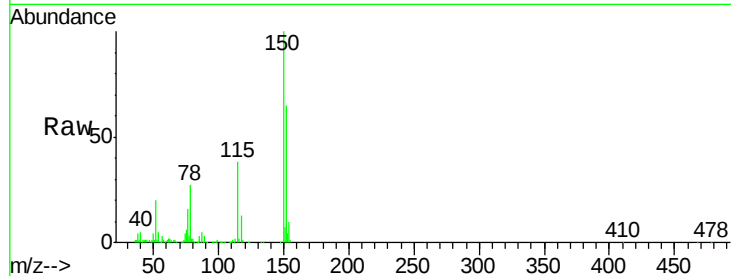


#1

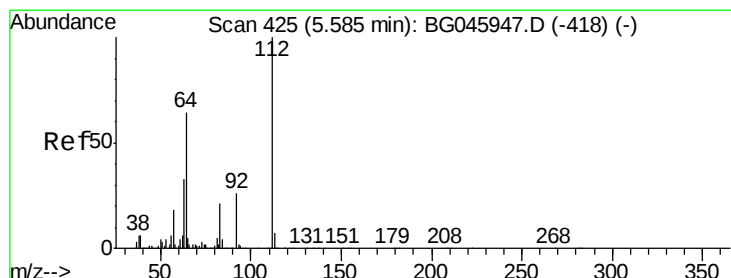
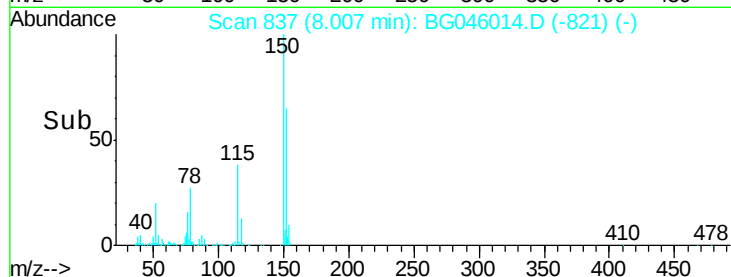
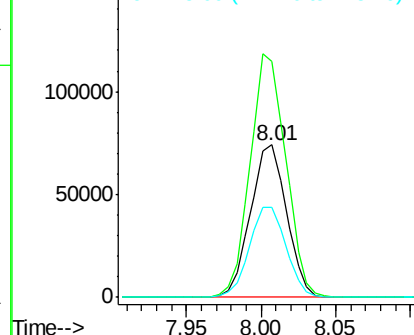
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG046014.D
Acq: 10 Jul 2020 19:52

Instrument :
BNA_G
ClientSampleId :
RO-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	116.7	175.1
115	58.8	47.4	71.0



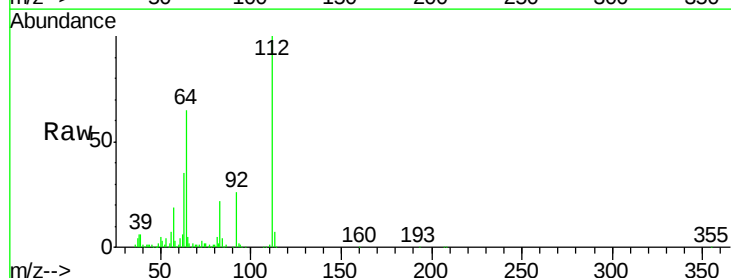
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



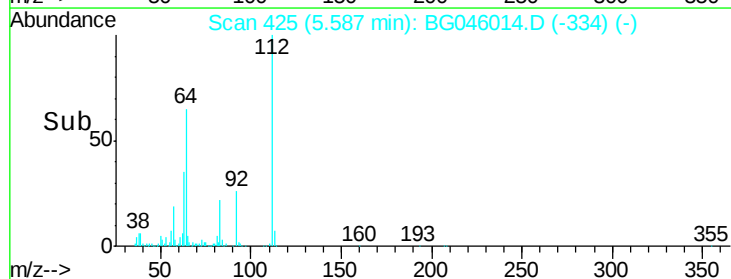
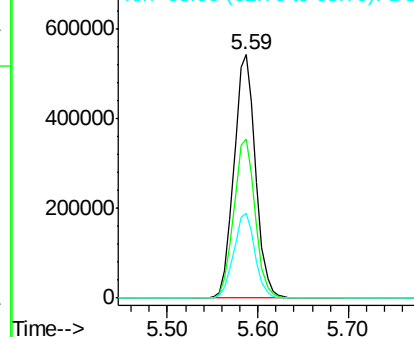
#5

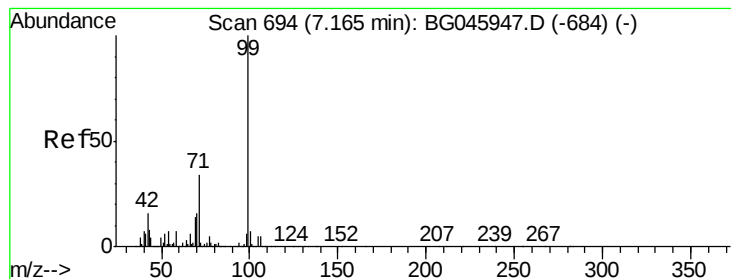
2-Fluorophenol
Concen: 117.938 ng
RT: 5.59 min Scan# 425
Delta R.T. 0.00 min
Lab File: BG046014.D
Acq: 10 Jul 2020 19:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.3	51.4	77.2
63	34.7	26.6	40.0



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





#7

Phenol-d6

Concen: 106.974 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.00 min

Lab File: BG046014.D

Acq: 10 Jul 2020 19:52

Instrument :

BNA_G

ClientSampleId :

RO-10

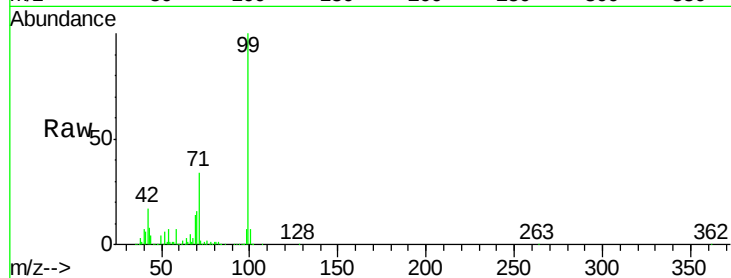
Tot Ion: 99 Resp: 1170465

Ion Ratio Lower Upper

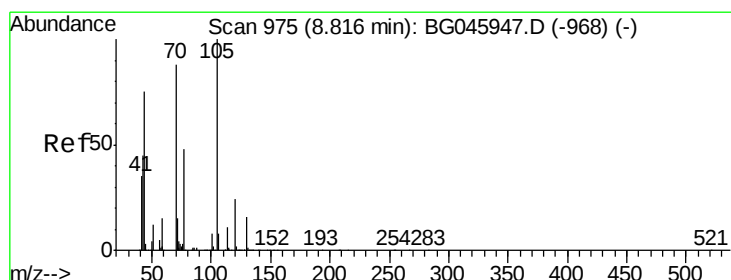
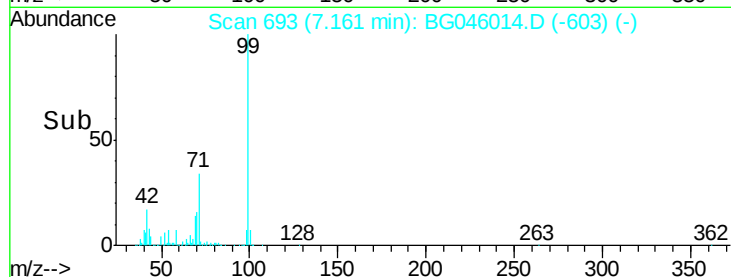
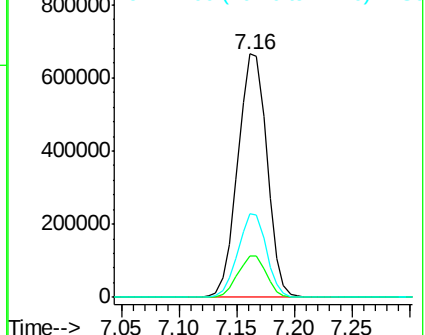
99 100

42 16.8 13.0 19.4

71 34.1 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: 17.391 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.34 min

Lab File: BG046014.D

Acq: 10 Jul 2020 19:52

Tgt Ion: 70 Resp: 133676

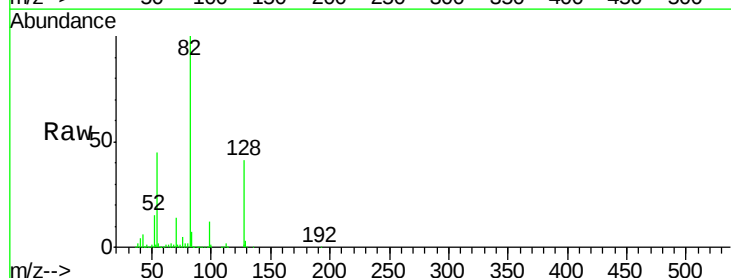
Ion Ratio Lower Upper

70 100

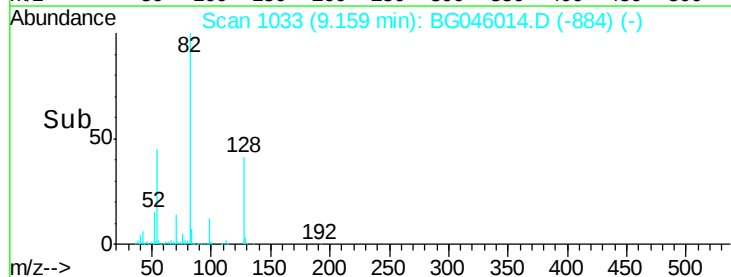
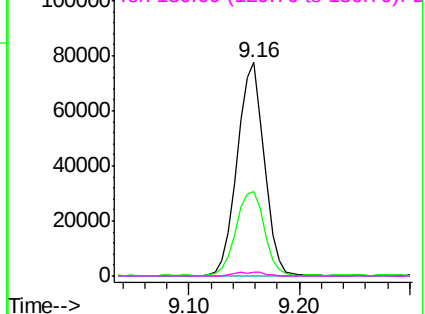
42 39.7 41.4 62.0#

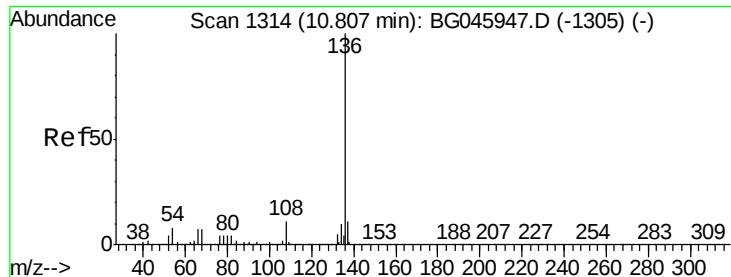
101 0.0 7.1 10.7#

130 1.6 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

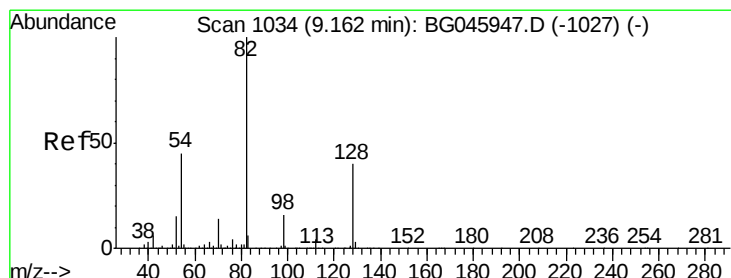
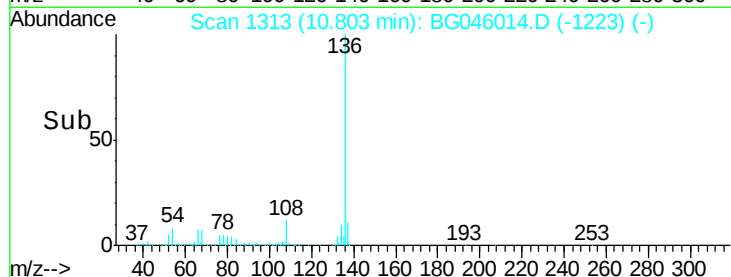
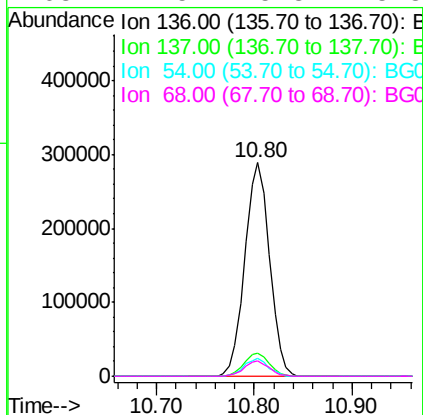
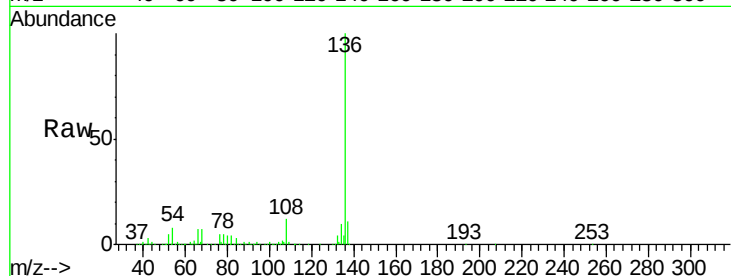




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BG046014.D
Acq: 10 Jul 2020 19:52

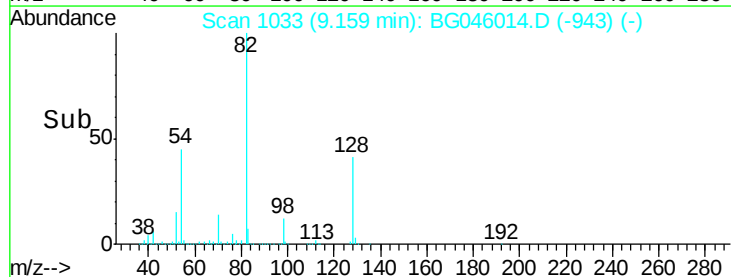
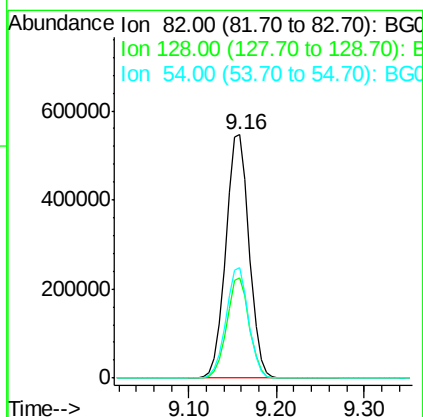
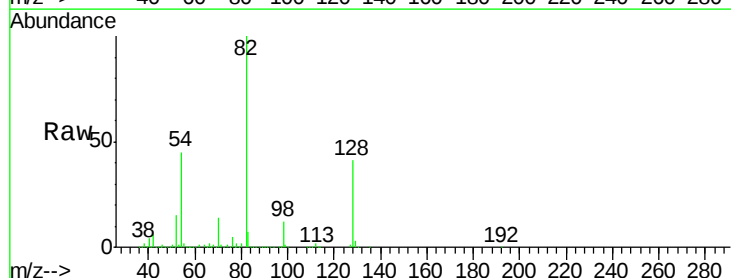
Instrument :
BNA_G
ClientSampled :
RO-10

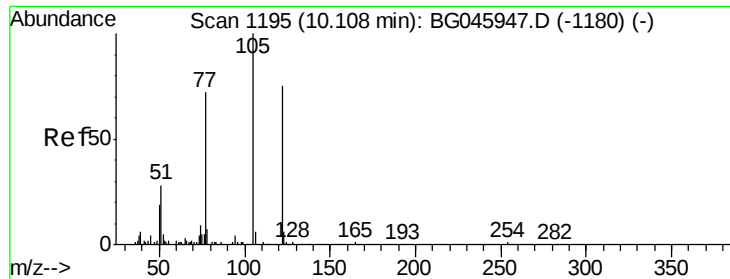
Tot Ion:136	Resp:	507082
Ion	Ratio	Lower Upper
136	100	
137	11.1	9.2 13.8
54	8.2	6.2 9.4
68	7.5	5.8 8.8



#23
Nitrobenzene-d5
Concen: 112.840 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BG046014.D
Acq: 10 Jul 2020 19:52

Tgt Ion: 82	Resp:	994112
Ion	Ratio	Lower Upper
82	100	
128	41.2	32.2 48.4
54	45.2	35.8 53.6

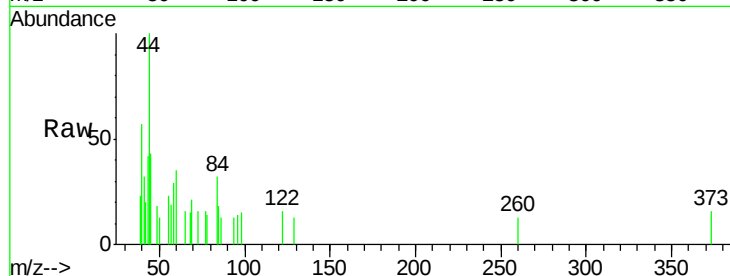




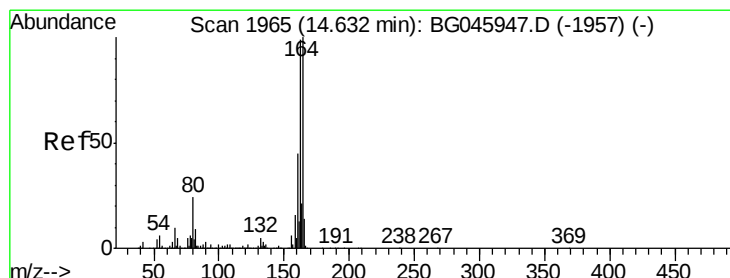
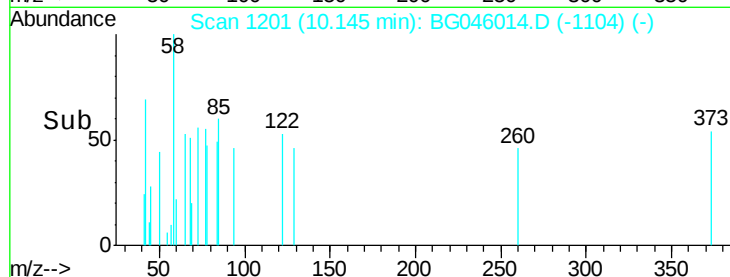
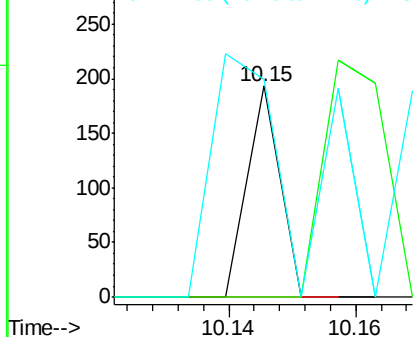
#32
Benzoic acid
Concen: 6.519 ng
RT: 10.15 min Scan# 1201
Delta R.T. 0.04 min
Lab File: BG046014.D
Acq: 10 Jul 2020 19:52

Instrument :
BNA_G
ClientSampleId :
RO-10

Tot Ion:122 Resp: 68
Ion Ratio Lower Upper
122 100
105 0.0 110.8 150.8#
77 103.6 76.4 116.4

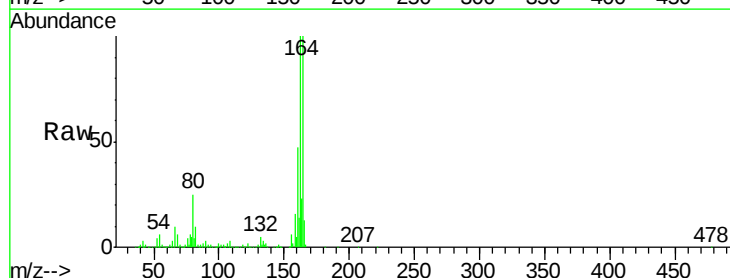


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

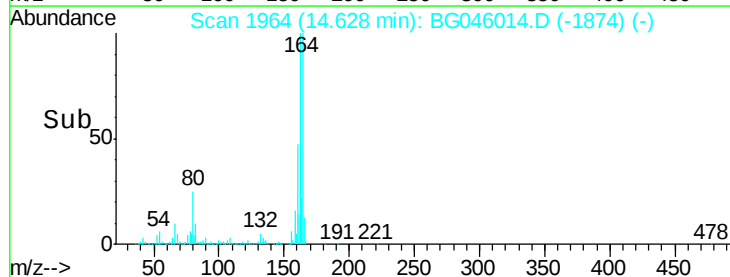
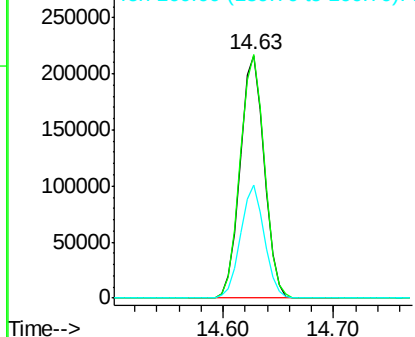


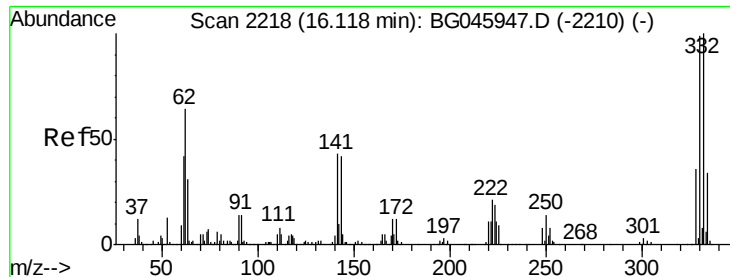
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG046014.D
Acq: 10 Jul 2020 19:52

Tgt Ion:164 Resp: 332131
Ion Ratio Lower Upper
164 100
162 100.3 79.3 118.9
160 46.8 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: 171.741 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.00 min

Lab File: BG046014.D

Acq: 10 Jul 2020 19:52

Instrument :

BNA_G

ClientSampleId :

RO-10

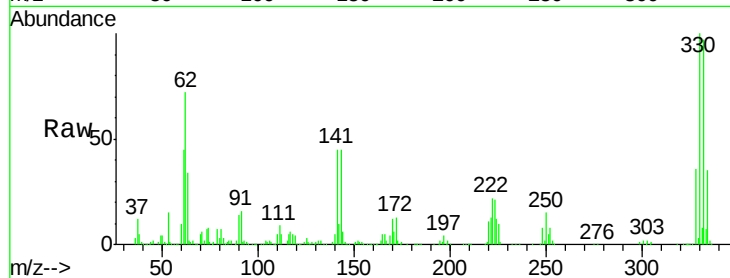
Tot Ion:330 Resp: 529394

Ion Ratio Lower Upper

330 100

332 97.4 78.3 117.5

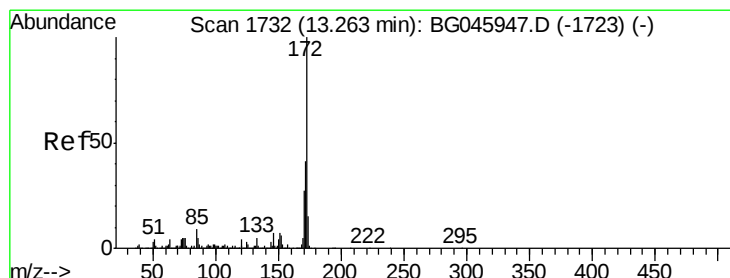
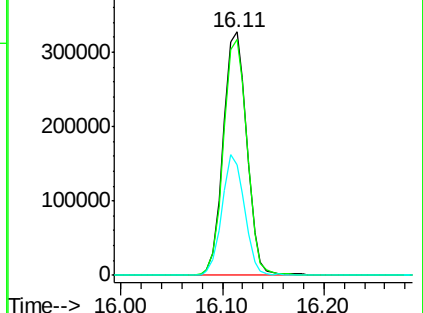
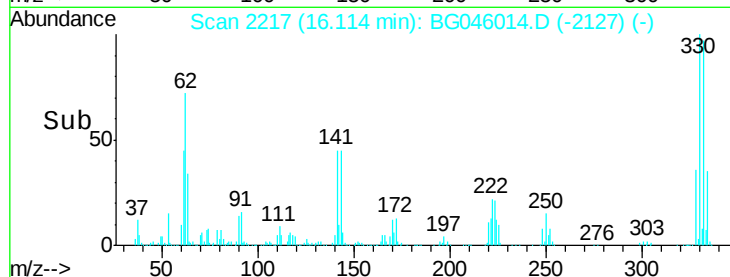
141 47.4 36.6 54.8



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: 87.725 ng

RT: 13.25 min Scan# 1730

Delta R.T. -0.01 min

Lab File: BG046014.D

Acq: 10 Jul 2020 19:52

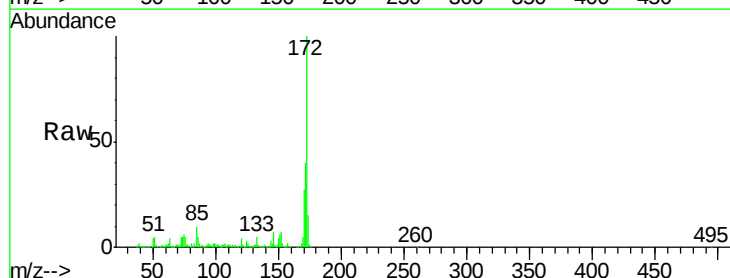
Tgt Ion:172 Resp: 1867908

Ion Ratio Lower Upper

172 100

171 39.8 32.9 49.3

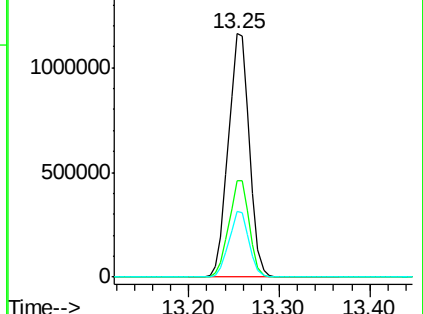
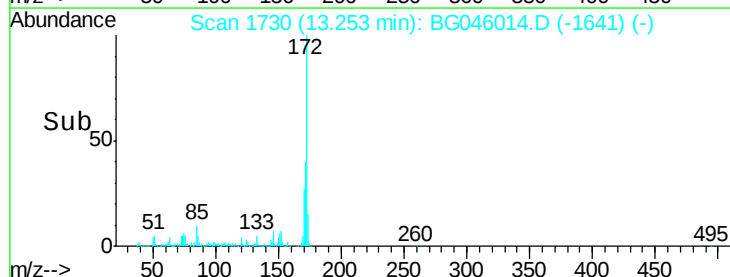
170 26.8 21.8 32.6

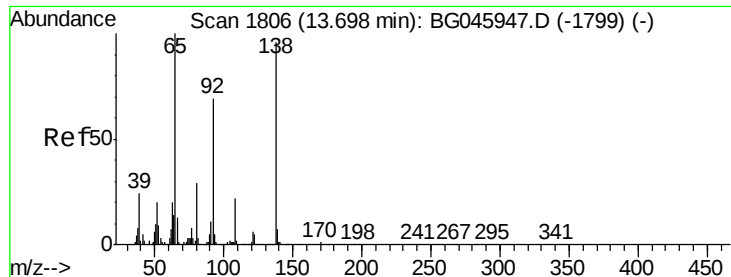


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 3.399 ng

RT: 14.08 min Scan# 1871

Delta R.T. 0.38 min

Lab File: BG046014.D

Acq: 10 Jul 2020 19:52

Instrument :

BNA_G

ClientSampleId :

RO-10

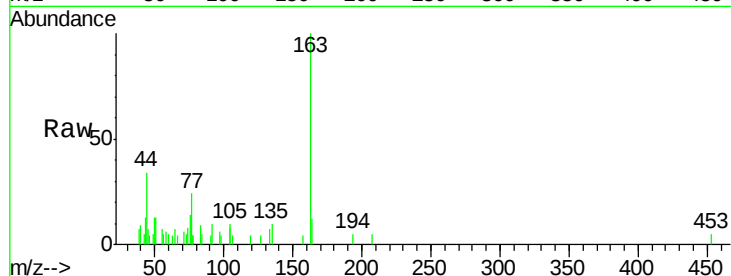
Tot Ion: 65 Resp: 172

Ion Ratio Lower Upper

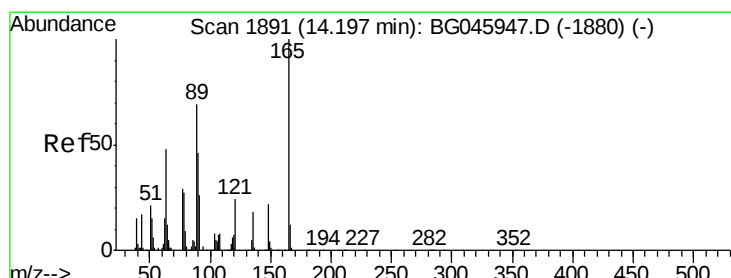
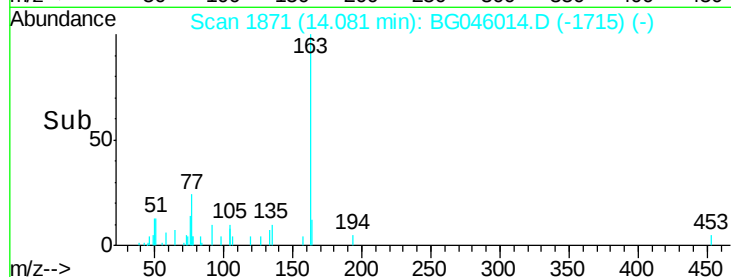
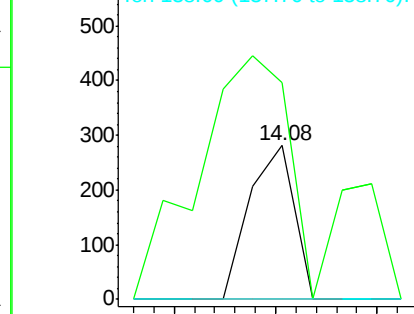
65 100

92 141.3 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: 12.428 ng

RT: 14.62 min Scan# 1963

Delta R.T. 0.43 min

Lab File: BG046014.D

Acq: 10 Jul 2020 19:52

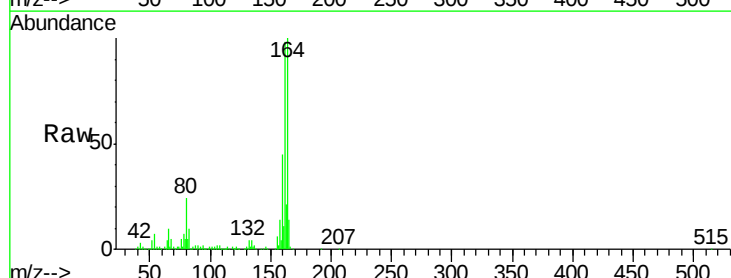
Tgt Ion: 165 Resp: 43656

Ion Ratio Lower Upper

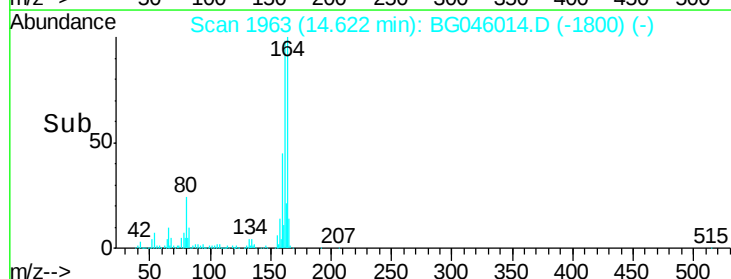
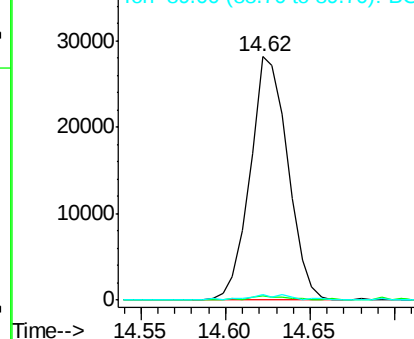
165 100

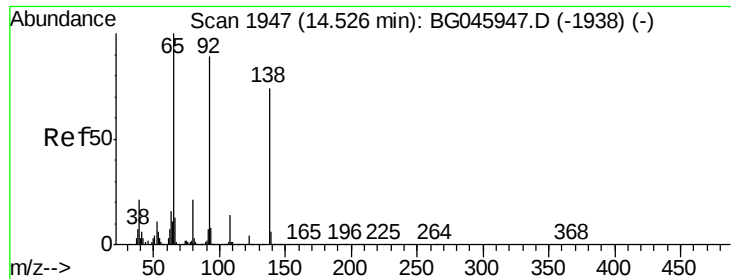
63 1.8 51.0 76.4#

89 2.1 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

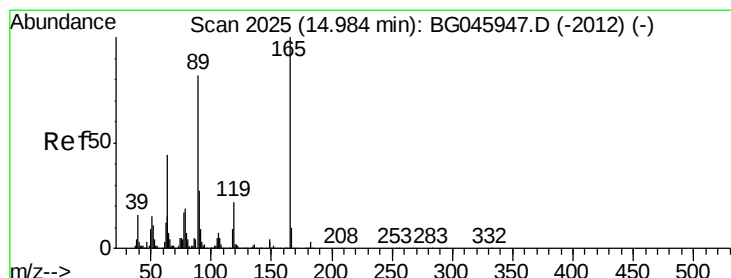
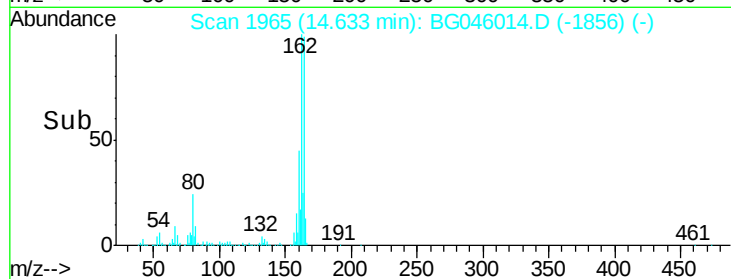
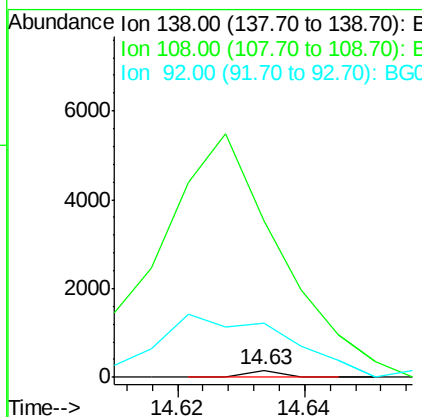
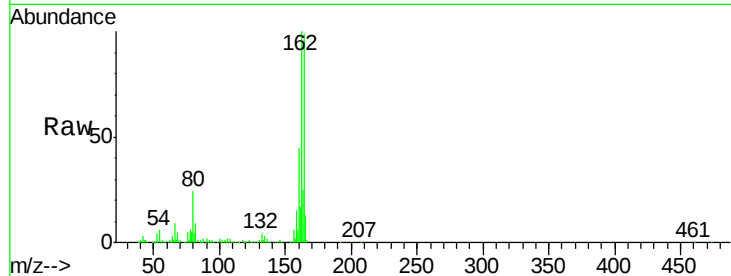




#53
 3-Nitroaniline
 Concen: 2.993 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. 0.11 min
 Lab File: BG046014.D
 Acq: 10 Jul 2020 19:52

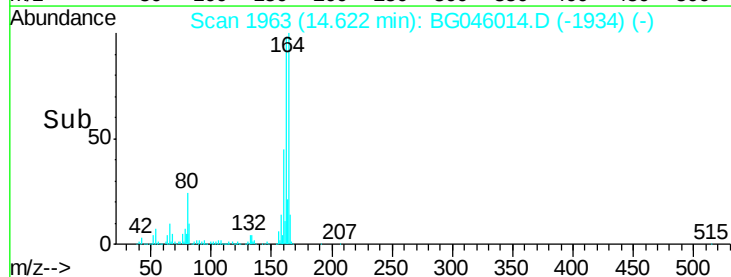
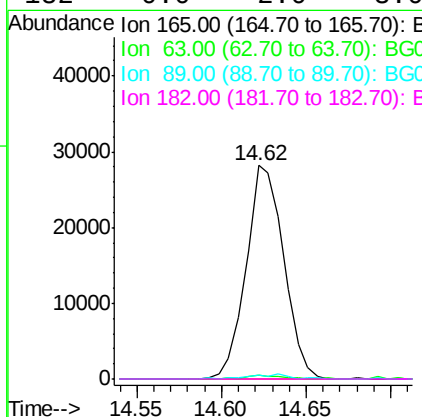
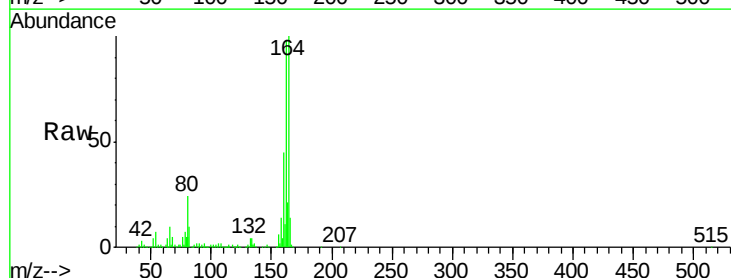
Instrument :
 BNA_G
 ClientSampleId :
 RO-10

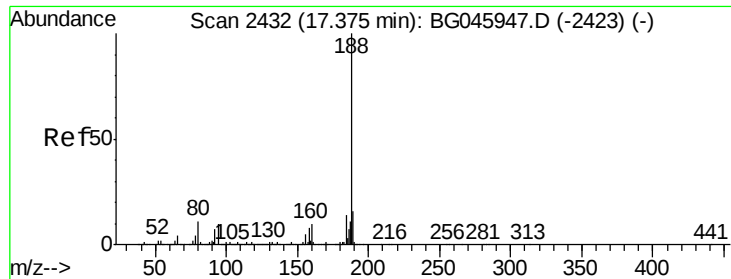
Tot Ion:138 Resp: 56
 Ion Ratio Lower Upper
 138 100
 108 2223.3 15.4 23.2#
 92 768.6 95.9 143.9#



#57
 2,4-Dinitrotoluene
 Concen: 10.965 ng
 RT: 14.62 min Scan# 1963
 Delta R.T. -0.36 min
 Lab File: BG046014.D
 Acq: 10 Jul 2020 19:52

Tgt Ion:165 Resp: 43656
 Ion Ratio Lower Upper
 165 100
 63 1.8 35.4 53.0#
 89 2.1 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. -0.00 min

Lab File: BG046014.D

Acq: 10 Jul 2020 19:52

Instrument :

BNA_G

ClientSampleId :

RO-10

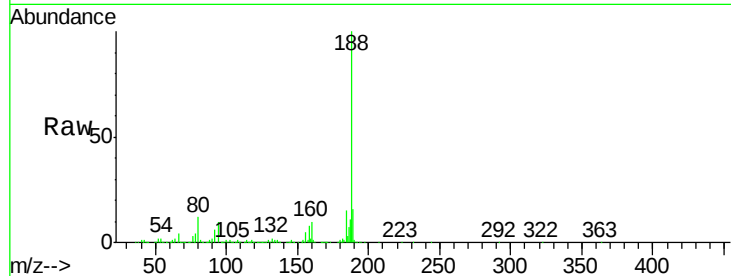
Tot Ion:188 Resp: 813446

Ion Ratio Lower Upper

188 100

94 10.3 8.2 12.4

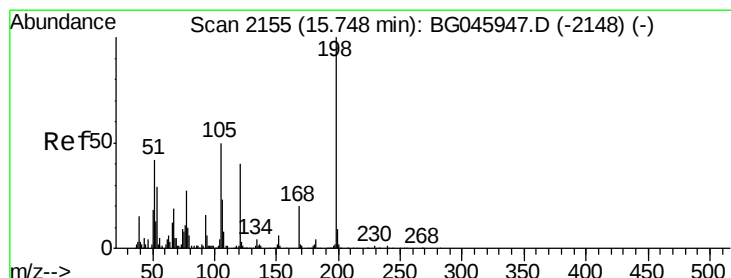
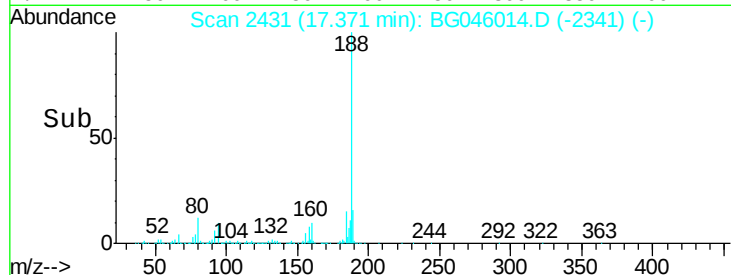
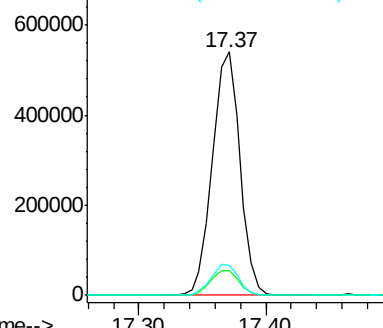
80 12.2 9.0 13.6



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: 7.547 ng

RT: 16.11 min Scan# 2216

Delta R.T. 0.36 min

Lab File: BG046014.D

Acq: 10 Jul 2020 19:52

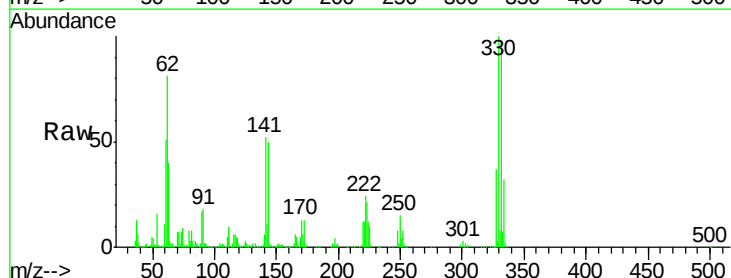
Tgt Ion:198 Resp: 2468

Ion Ratio Lower Upper

198 100

51 111.4 24.5 64.5#

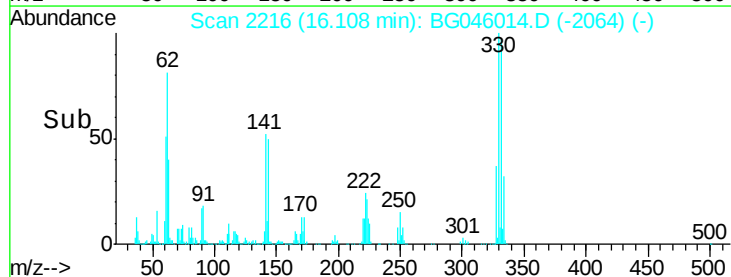
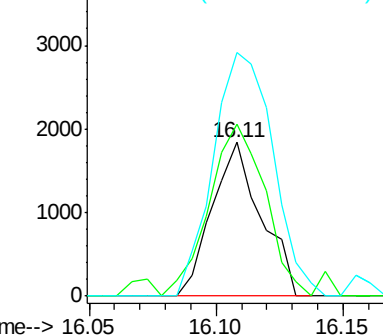
105 158.3 30.9 70.9#

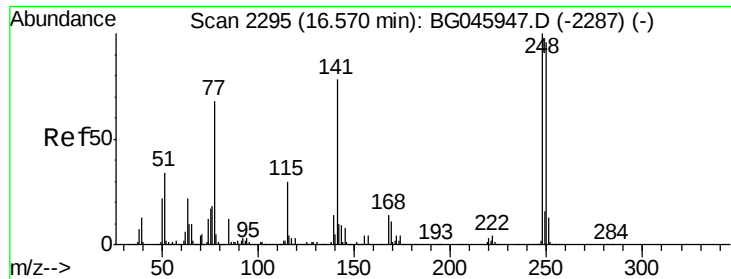


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.323 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.46 min

Lab File: BG046014.D

Acq: 10 Jul 2020 19:52

Instrument :

BNA_G

ClientSampleId :

RO-10

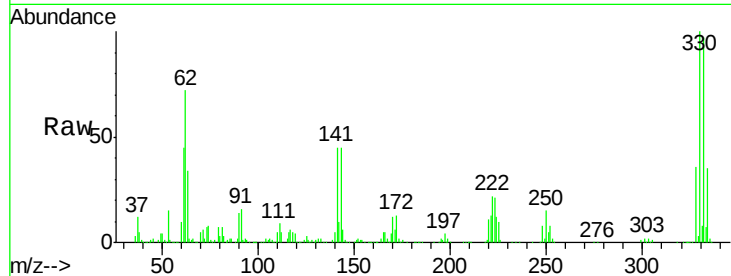
Tot Ion:248 Resp: 39275

Ion Ratio Lower Upper

248 100

250 194.5 76.6 114.8#

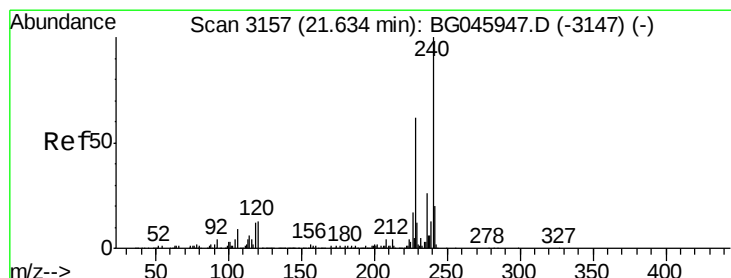
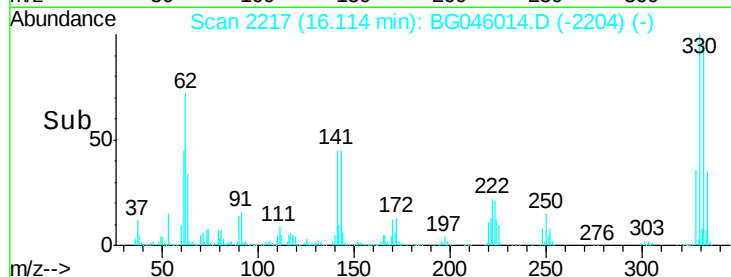
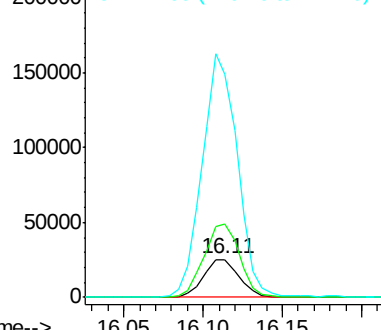
141 589.9 62.7 94.1#



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: 21.62 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG046014.D

Acq: 10 Jul 2020 19:52

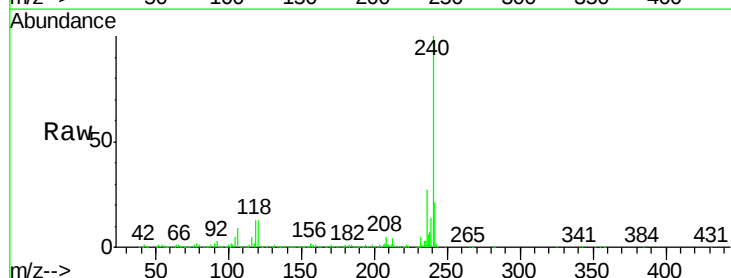
Tgt Ion:240 Resp: 739915

Ion Ratio Lower Upper

240 100

120 12.8 10.6 16.0

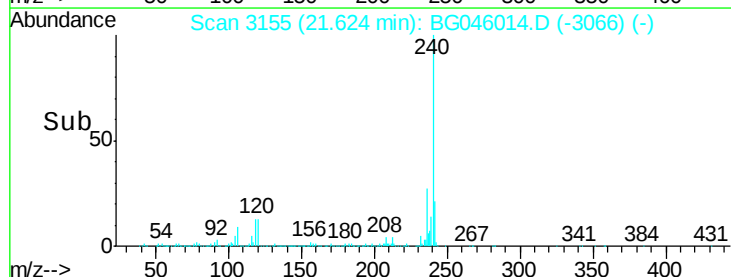
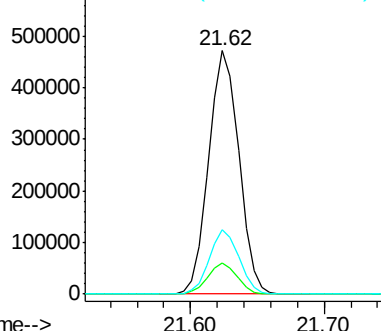
236 26.7 20.4 30.6

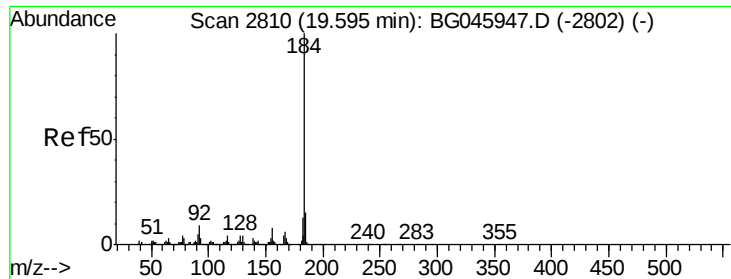


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.266 ng

RT: 19.99 min Scan# 2876

Delta R.T. 0.39 min

Lab File: BG046014.D

Acq: 10 Jul 2020 19:52

Instrument :

BNA_G

ClientSampleId :

RO-10

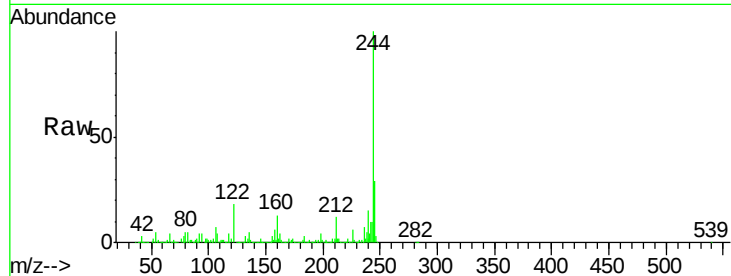
Tot Ion:184 Resp: 69102

Ion Ratio Lower Upper

184 100

185 15.5 11.6 17.4

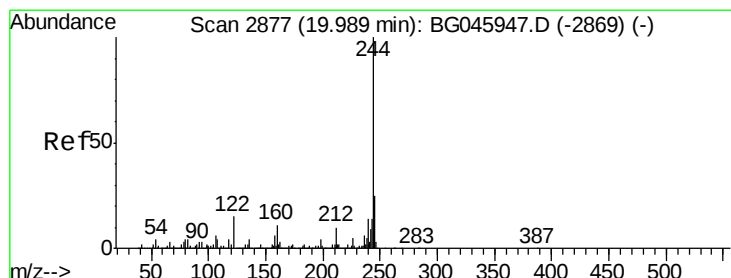
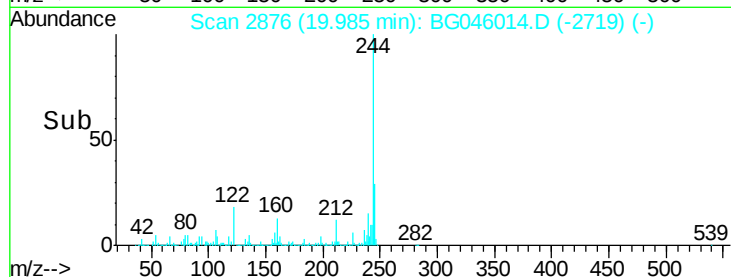
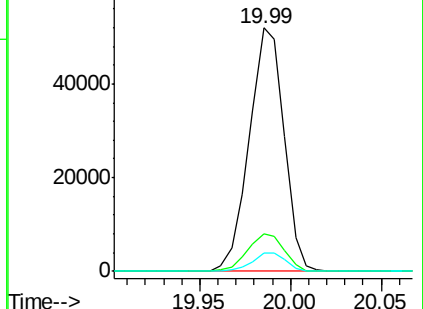
183 7.4 10.4 15.6#



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: 90.301 ng

RT: 19.99 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BG046014.D

Acq: 10 Jul 2020 19:52

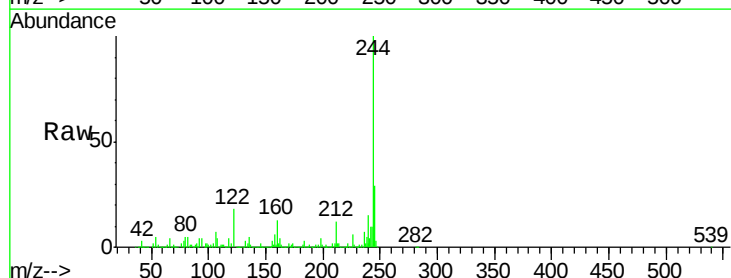
Tgt Ion:244 Resp: 3002244

Ion Ratio Lower Upper

244 100

212 11.6 8.3 12.5

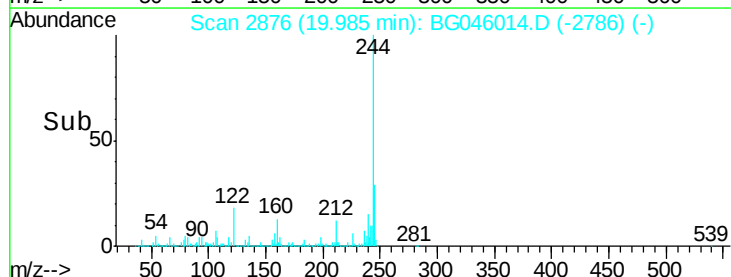
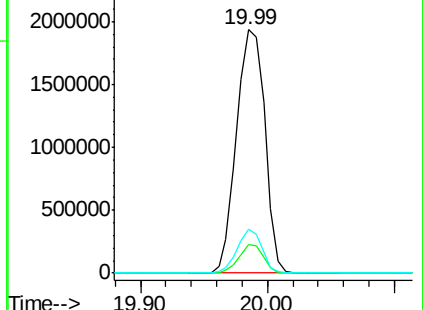
122 18.1 12.1 18.1

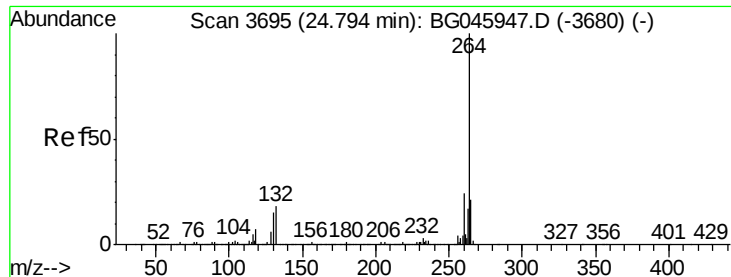


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

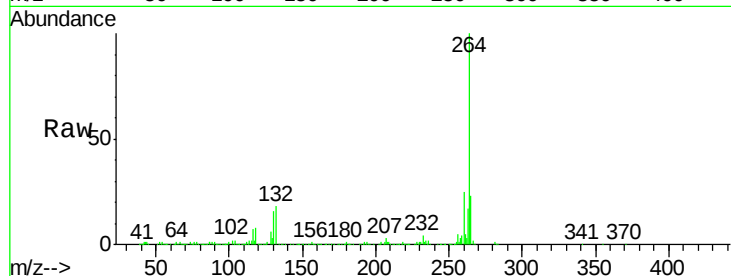




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.78 min Scan# 3693
 Delta R.T. -0.01 min
 Lab File: BG046014.D
 Acq: 10 Jul 2020 19:52

Instrument :
 BNA_G
 ClientSampleId :
 RO-10

Tot Ion:	264	Resp:	715738
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.0	28.6
265	22.7	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

