

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071020\
 Data File : BG046012.D
 Acq On : 10 Jul 2020 18:31
 Operator : CG/JU
 Sample : L3186-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-070820

Quant Time: Jul 11 00:55:19 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	145902	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	607462	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	386031	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	856200	20.00	ng	0.00
76) Chrysene-d12	21.63	240	755617	20.00	ng	0.00
86) Perylene-d12	24.78	264	742045	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	1066794	118.57	ng	0.00
7) Phenol-d6	7.17	99	1369916	105.76	ng	0.00
23) Nitrobenzene-d5	9.16	82	1154570	109.40	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	584514	163.15	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	2142008	86.55	ng	0.00
79) Terphenyl-d14	19.99	244	2958560	87.14	ng	0.00

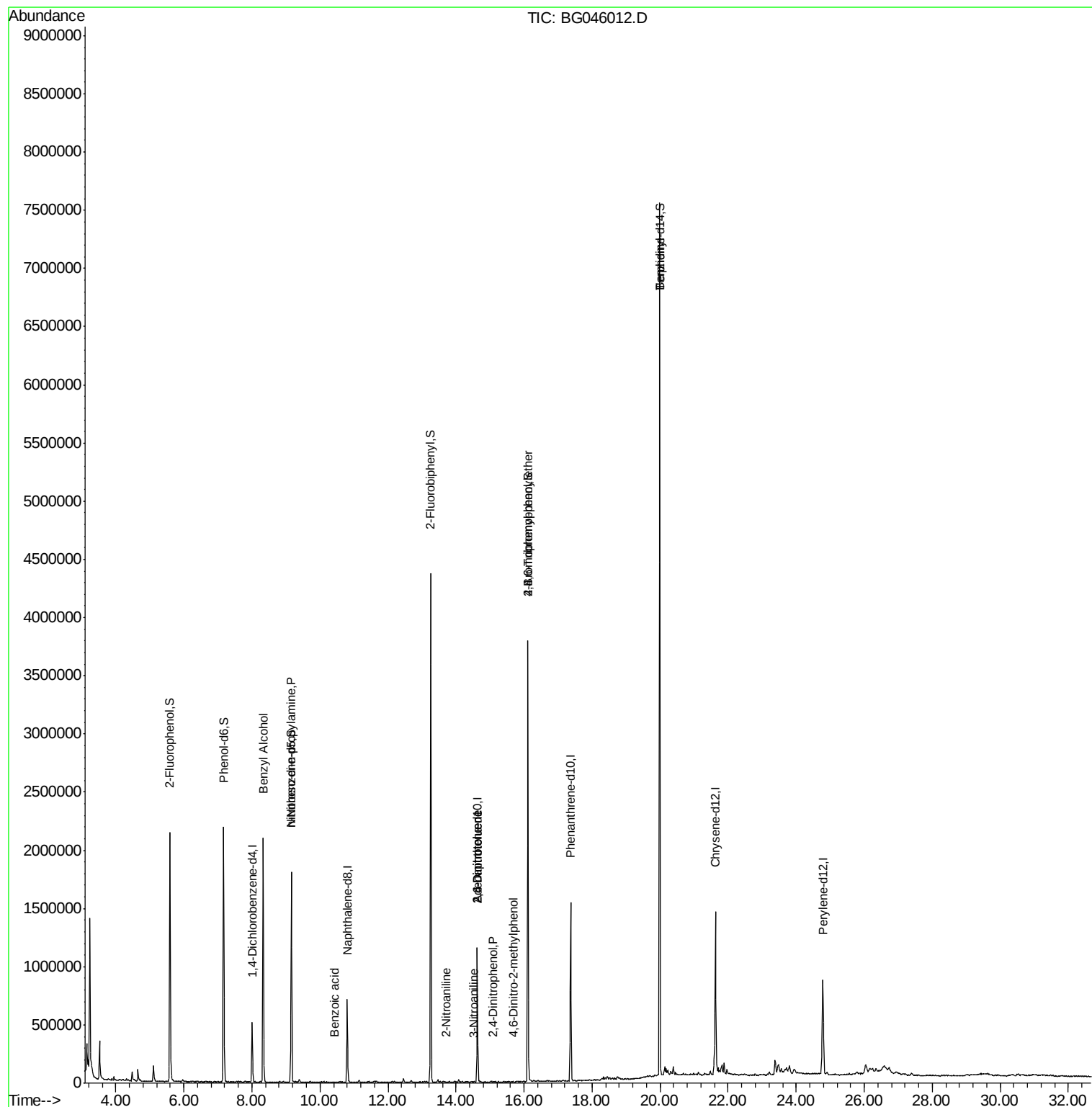
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	8.33	79	20514	2.020	ng	# 54
19) n-Nitroso-di-n-propylamine	9.16	70	160218	17.607	ng	# 76
32) Benzoic acid	10.44	122	75	6.518	ng	# 87
48) 2-Nitroaniline	13.69	65	140	3.390	ng	# 7
51) 2,6-Dinitrotoluene	14.63	165	50624	12.407	ng	# 19
53) 3-Nitroaniline	14.51	138	64	2.992	ng	# 1
54) 2,4-Dinitrophenol	15.07	184	61	6.140	ng	# 17
57) 2,4-Dinitrotoluene	14.63	165	50624	10.949	ng	# 21
65) 4,6-Dinitro-2-methylphenol	15.70	198	68	6.810	ng	# 29
67) 4-Bromophenyl-phenylether	16.11	248	42206	4.414	ng	# 1
77) Benzidine	19.99	184	68385	3.165	ng	# 90

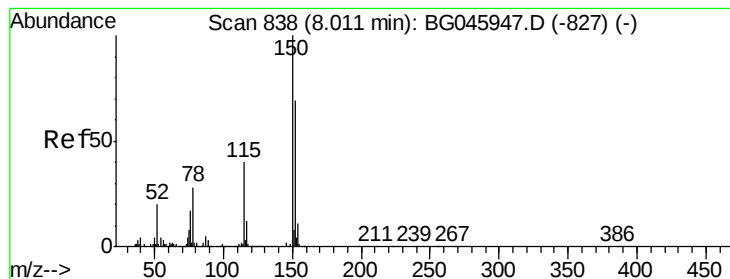
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 837

Delta R.T. -0.01 min

Lab File: BG046012.D

Acq: 10 Jul 2020 18:31

Instrument :

BNA_G

ClientSampleId :

OR-02-070820

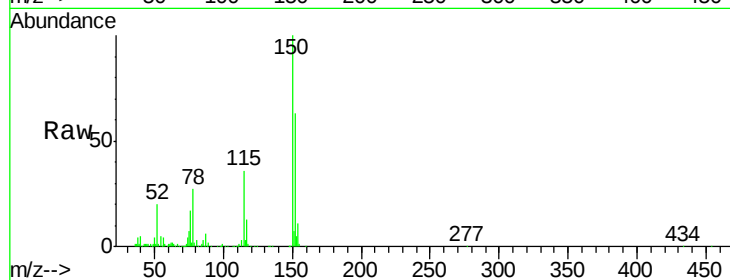
Tot Ion:152 Resp: 145902

Ion Ratio Lower Upper

152 100

150 158.8 116.7 175.1

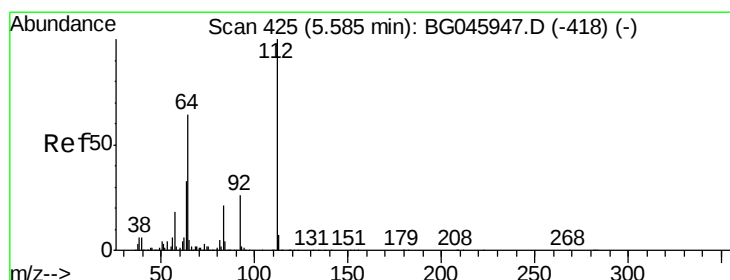
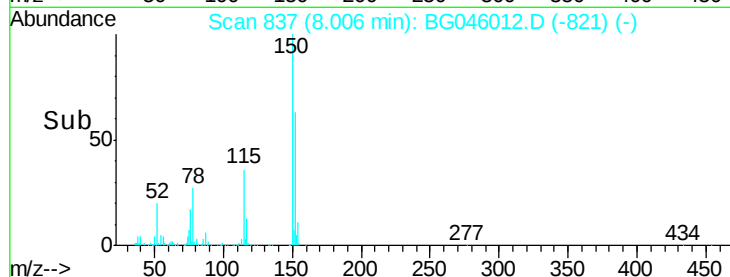
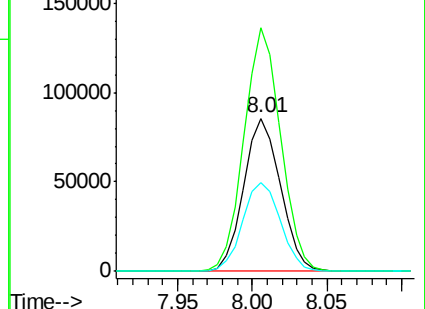
115 57.8 47.4 71.0



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: 118.572 ng

RT: 5.59 min Scan# 425

Delta R.T. 0.00 min

Lab File: BG046012.D

Acq: 10 Jul 2020 18:31

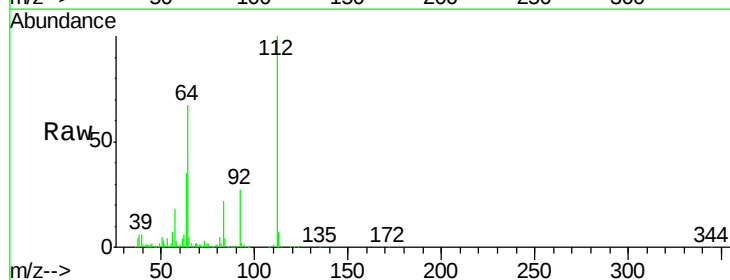
Tgt Ion:112 Resp: 1066794

Ion Ratio Lower Upper

112 100

64 67.3 51.4 77.2

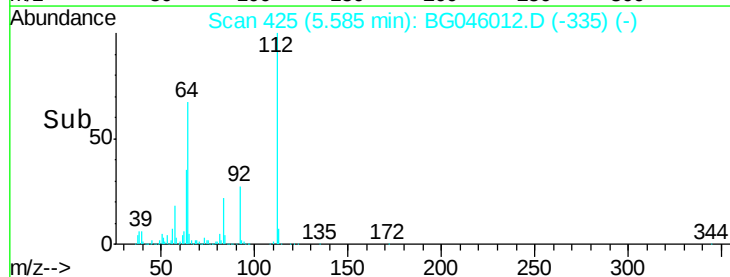
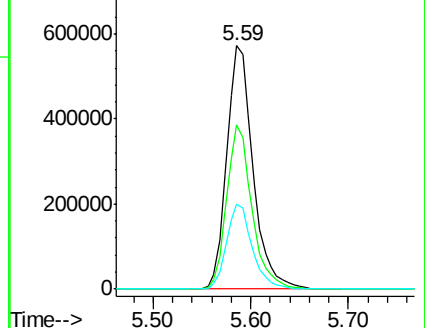
63 35.1 26.6 40.0

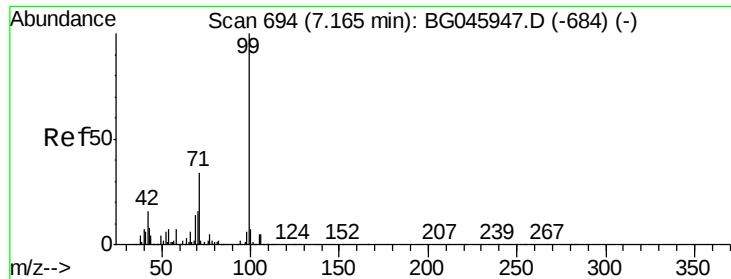


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 105.759 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG046012.D

Acq: 10 Jul 2020 18:31

Instrument :

BNA_G

ClientSampleId :

OR-02-070820

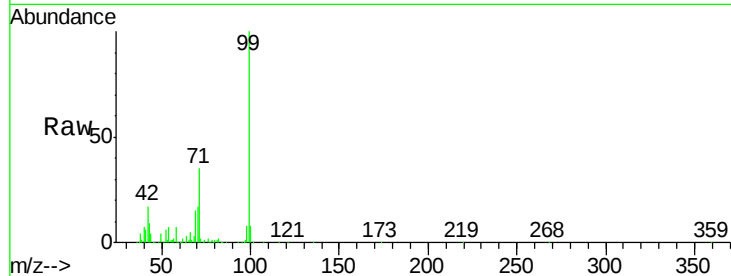
Tot Ion: 99 Resp: 1369916

Ion Ratio Lower Upper

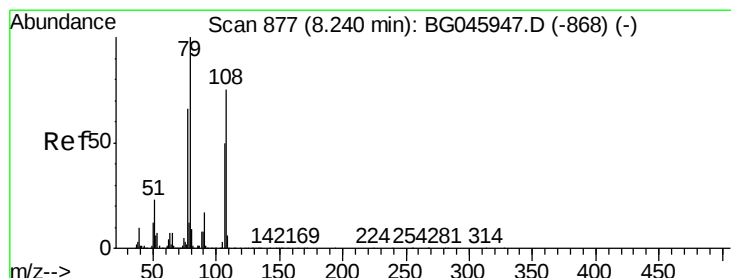
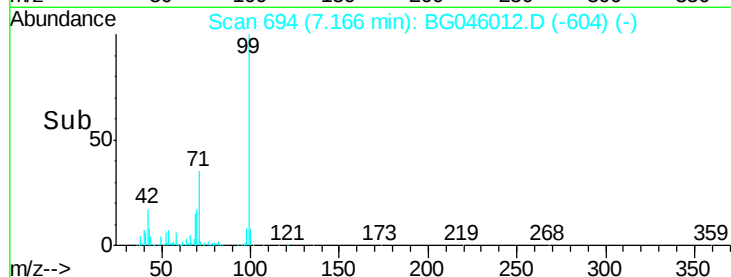
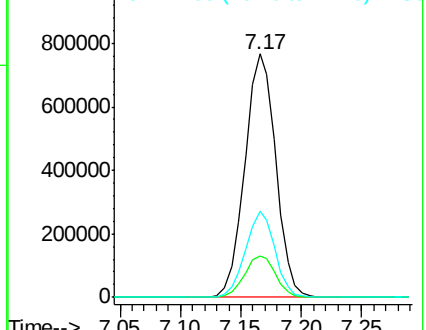
99 100

42 17.1 13.0 19.4

71 35.2 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



#15

Benzyl Alcohol

Concen: 2.020 ng

RT: 8.33 min Scan# 892

Delta R.T. 0.09 min

Lab File: BG046012.D

Acq: 10 Jul 2020 18:31

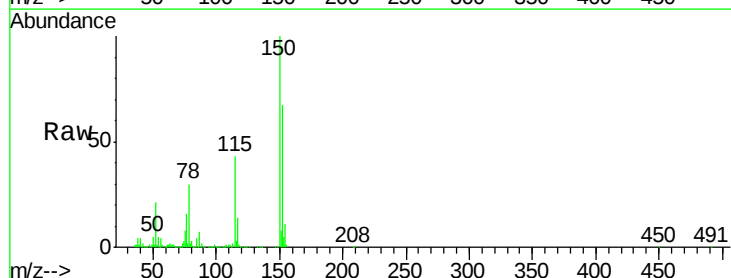
Tgt Ion: 79 Resp: 20514

Ion Ratio Lower Upper

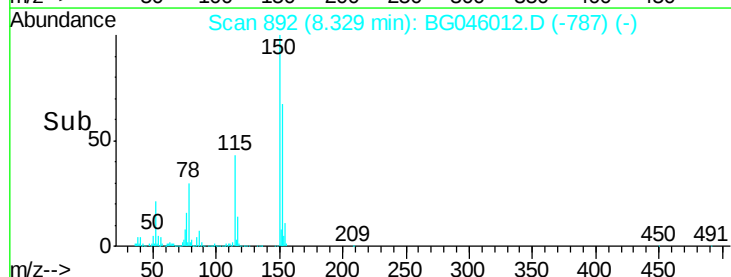
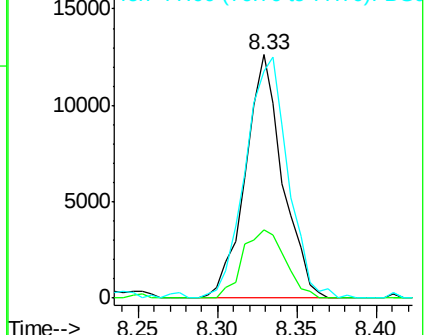
79 100

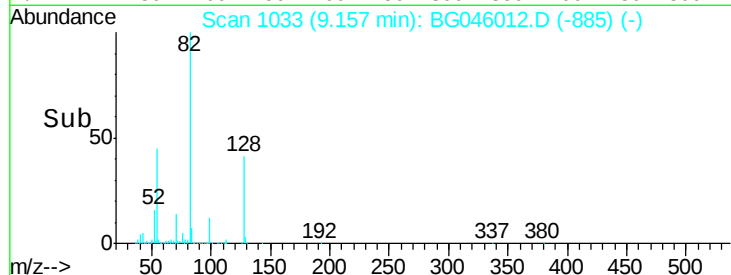
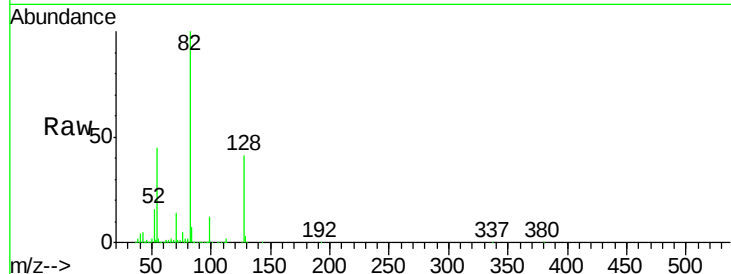
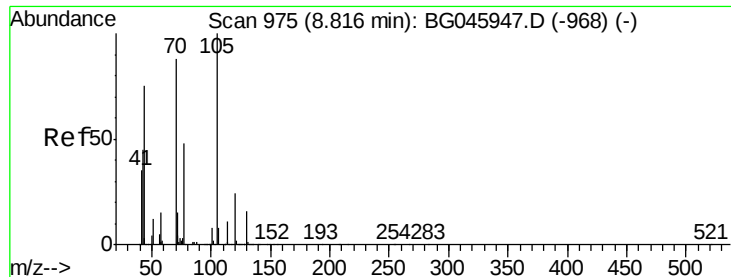
108 27.9 60.2 90.4#

77 93.2 52.9 79.3#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

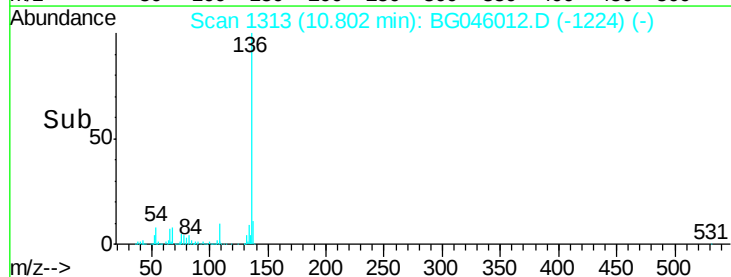
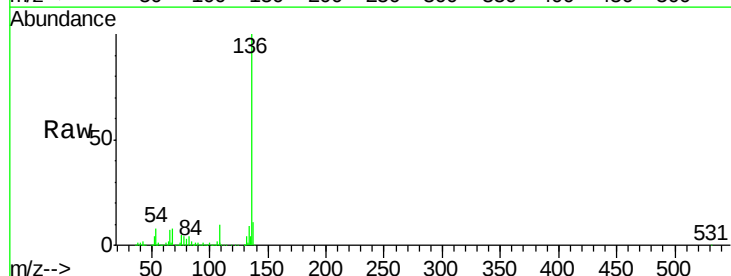
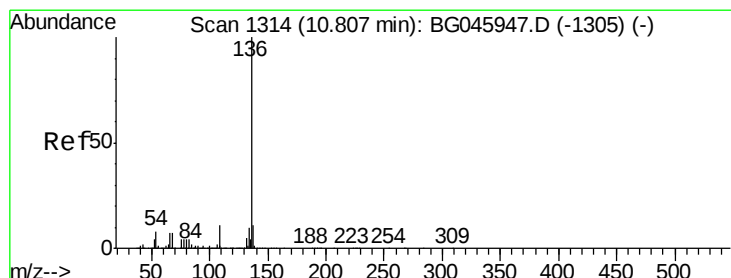
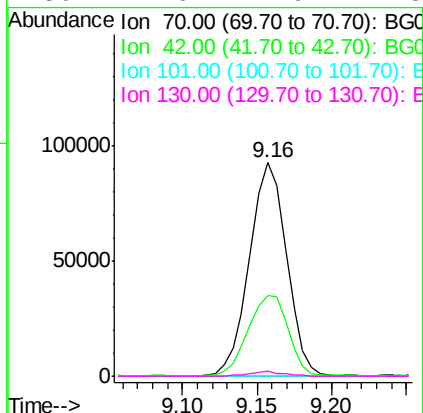




#19
n-Nitroso-di-n-propylamine
Concen: 17.607 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.34 min
Lab File: BG046012.D
Acq: 10 Jul 2020 18:31

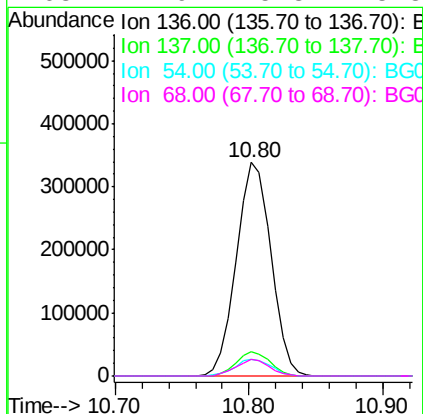
Instrument :
BNA_G
ClientSampleId :
OR-02-070820

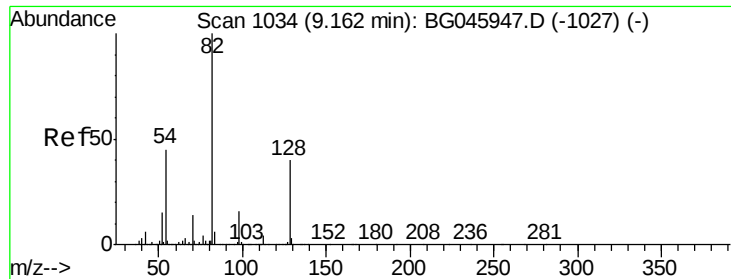
Tot Ion	Ratio	Lower	Upper
70	100		
42	37.7	41.4	62.0#
101	0.0	7.1	10.7#
130	2.6	14.9	22.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG046012.D
Acq: 10 Jul 2020 18:31

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	8.1	6.2	9.4
68	7.9	5.8	8.8

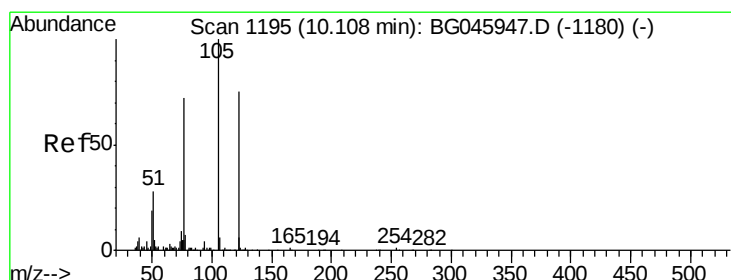
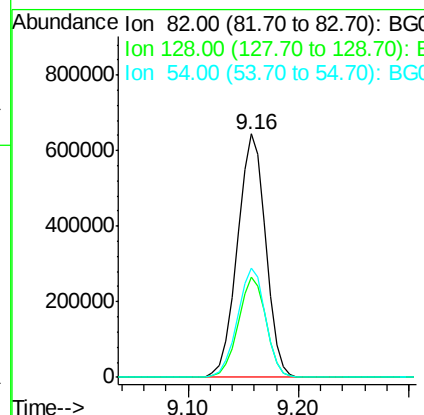
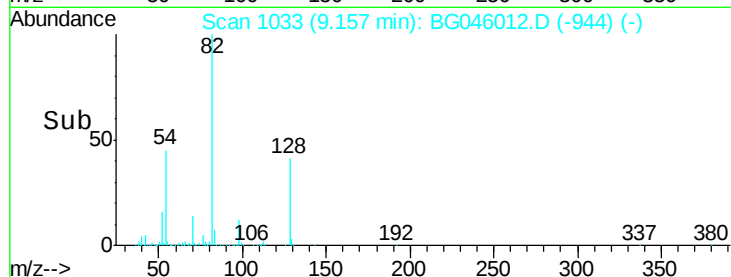
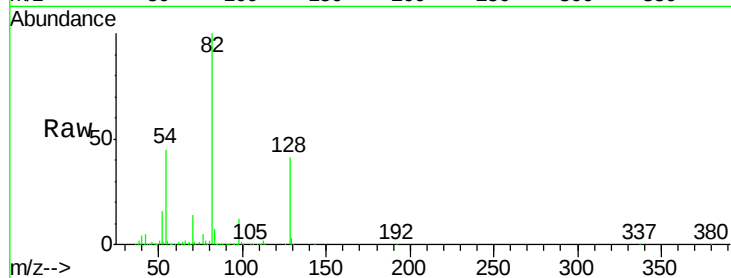




#23
 Nitrobenzene-d5
 Concen: 109.397 ng
 RT: 9.16 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BG046012.D
 Acq: 10 Jul 2020 18:31

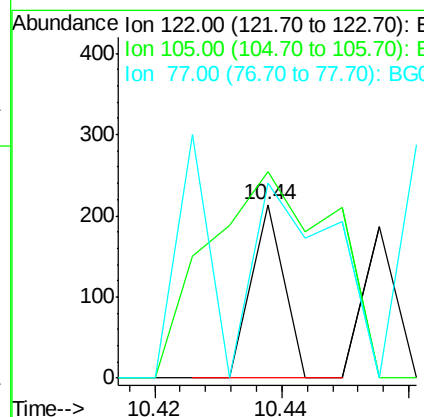
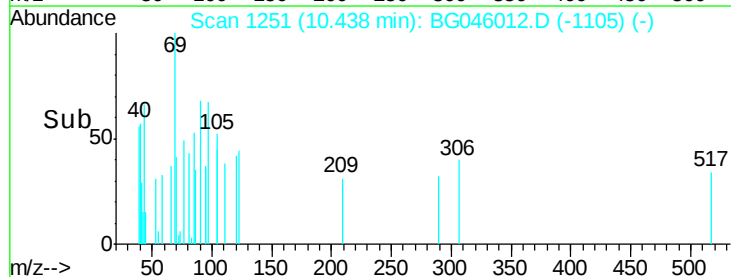
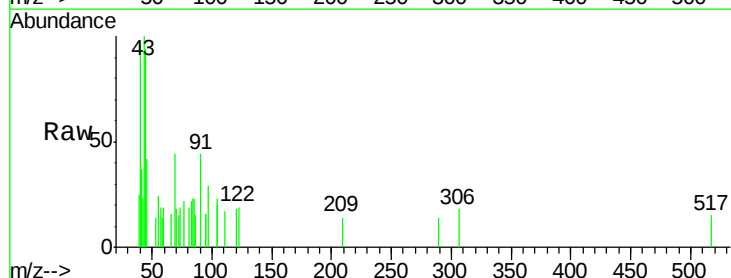
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-070820

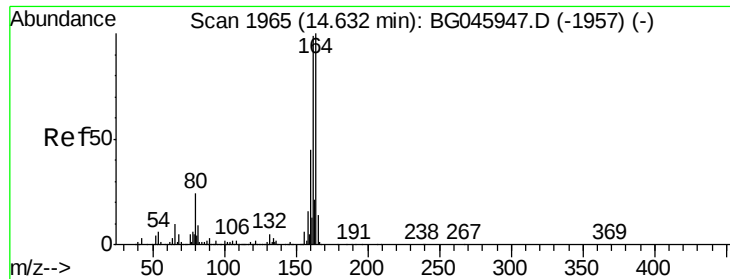
Tot Ion: 82 Resp: 1154570
 Ion Ratio Lower Upper
 82 100
 128 41.2 32.2 48.4
 54 44.8 35.8 53.6



#32
 Benzoic acid
 Concen: 6.518 ng
 RT: 10.44 min Scan# 1251
 Delta R.T. 0.33 min
 Lab File: BG046012.D
 Acq: 10 Jul 2020 18:31

Tgt Ion: 122 Resp: 75
 Ion Ratio Lower Upper
 122 100
 105 118.7 110.8 150.8
 77 112.1 76.4 116.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BG046012.D

Acq: 10 Jul 2020 18:31

Instrument :

BNA_G

ClientSampleId :

OR-02-070820

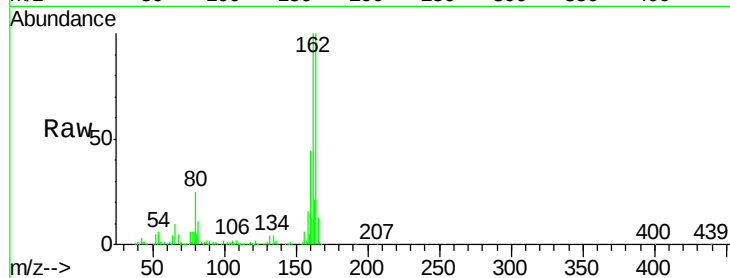
Tot Ion:164 Resp: 386031

Ion Ratio Lower Upper

164 100

162 100.4 79.3 118.9

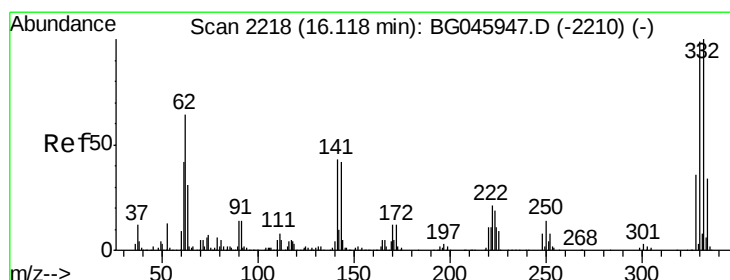
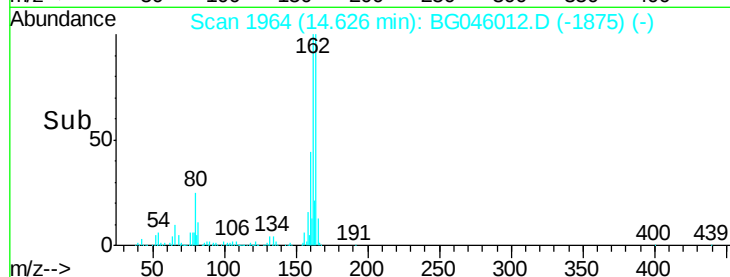
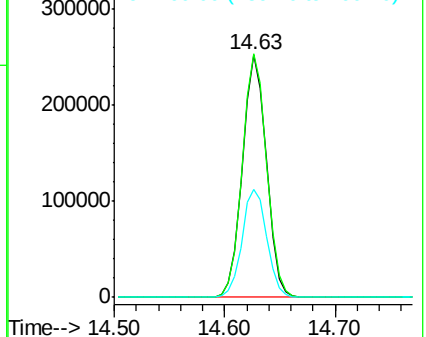
160 44.3 35.7 53.5



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: 163.146 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BG046012.D

Acq: 10 Jul 2020 18:31

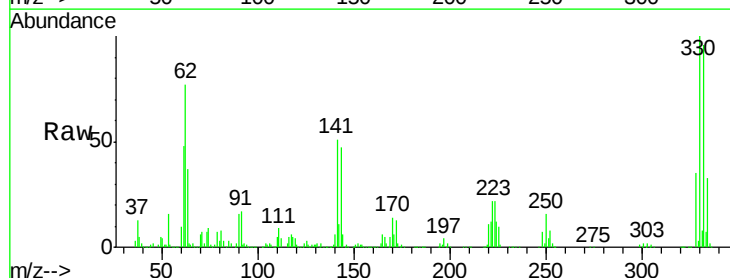
Tgt Ion:330 Resp: 584514

Ion Ratio Lower Upper

330 100

332 96.2 78.3 117.5

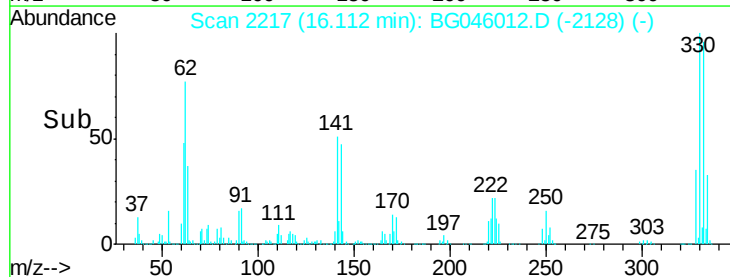
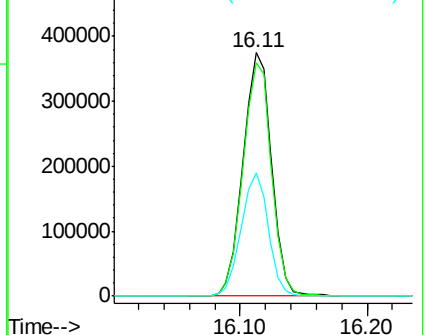
141 48.3 36.6 54.8

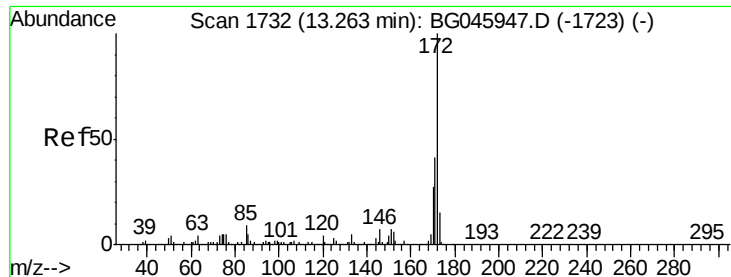


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

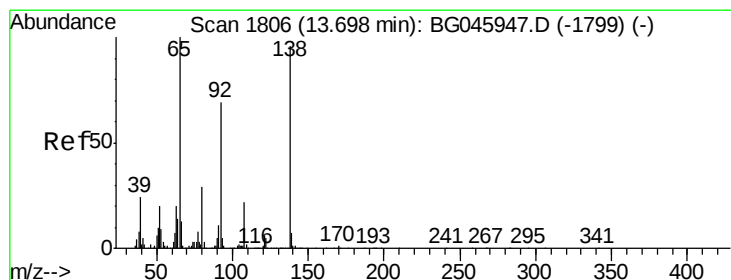
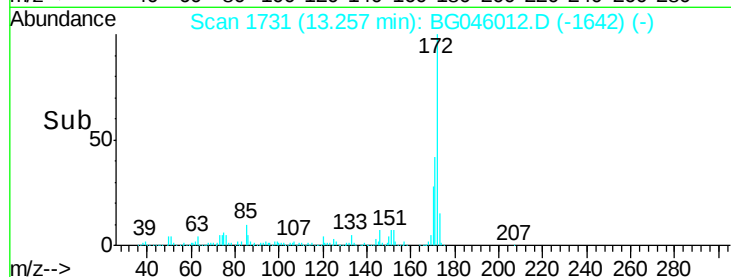
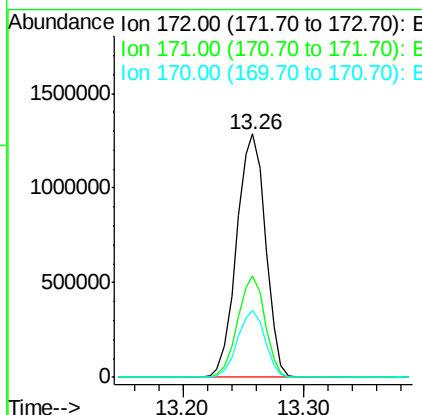
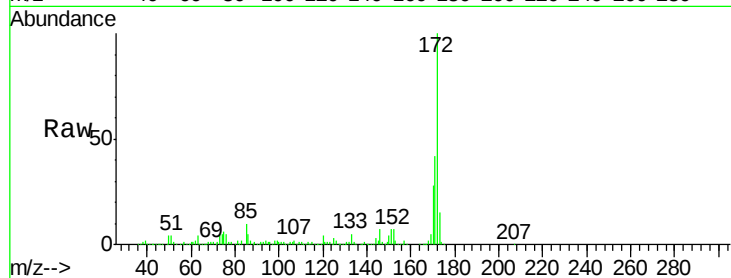




#45
2-Fluorobiphenyl
Concen: 86.552 ng
RT: 13.26 min Scan# 1731
Delta R.T. -0.01 min
Lab File: BG046012.D
Acq: 10 Jul 2020 18:31

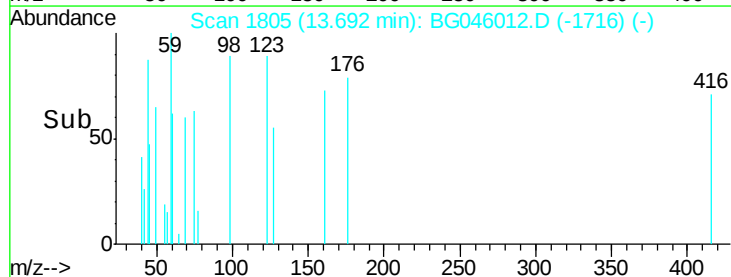
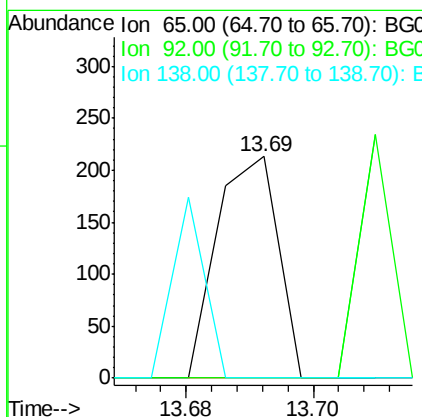
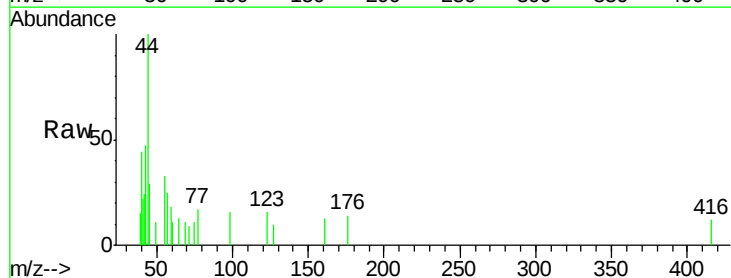
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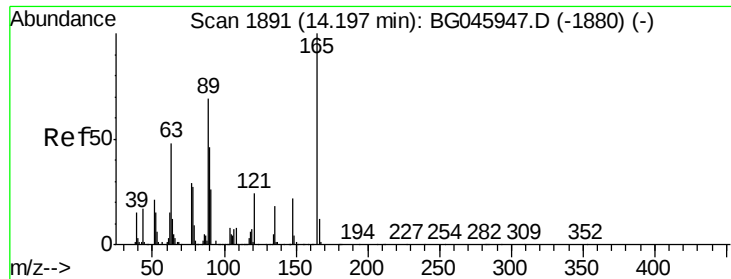
Tot Ion:172 Resp: 2142008
Ion Ratio Lower Upper
172 100
171 41.6 32.9 49.3
170 27.7 21.8 32.6



#48
2-Nitroaniline
Concen: 3.390 ng
RT: 13.69 min Scan# 1805
Delta R.T. -0.00 min
Lab File: BG046012.D
Acq: 10 Jul 2020 18:31

Tgt Ion: 65 Resp: 140
Ion Ratio Lower Upper
65 100
92 0.0 55.4 83.0#
138 0.0 77.0 115.4#

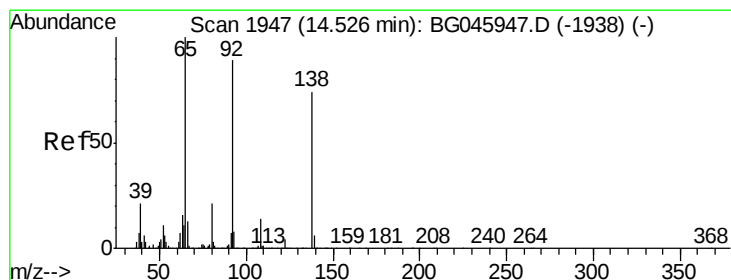
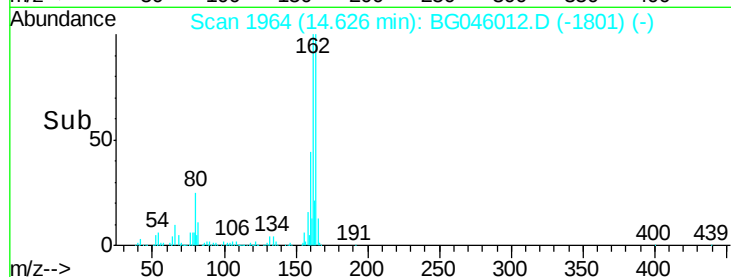
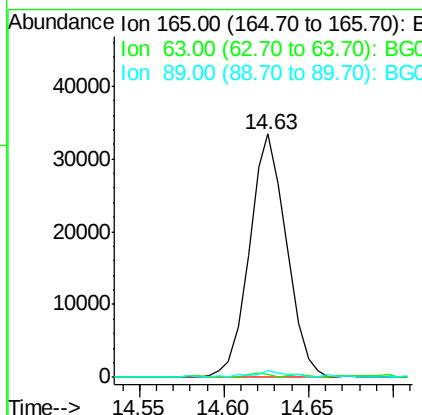
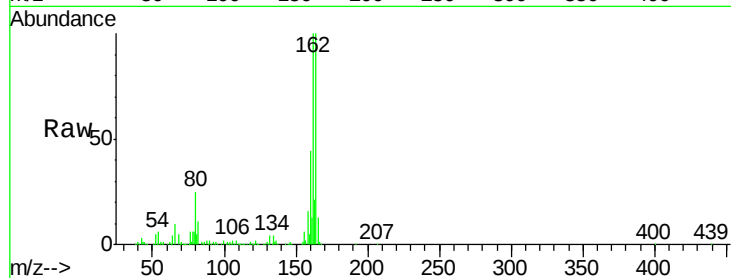




#51
 2,6-Dinitrotoluene
 Concen: 12.407 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. 0.43 min
 Lab File: BG046012.D
 Acq: 10 Jul 2020 18:31

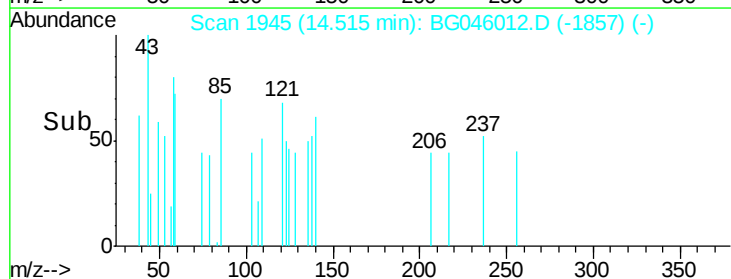
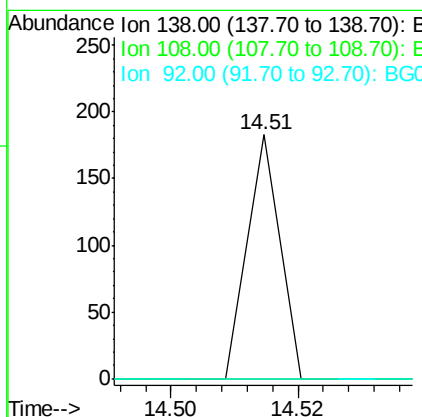
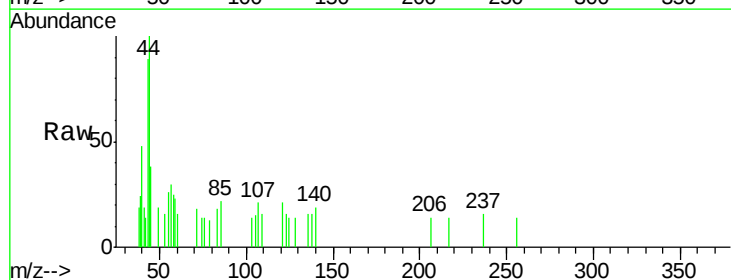
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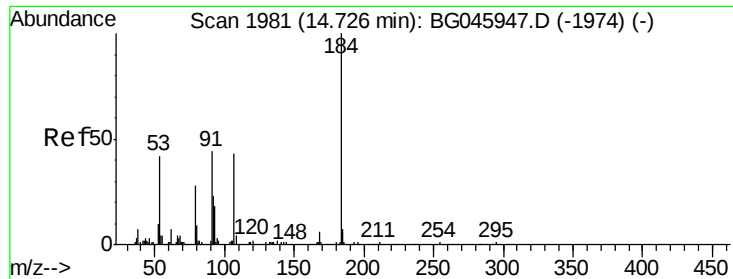
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	51.0	76.4#
89	2.7	55.7	83.5#



#53
 3-Nitroaniline
 Concen: 2.992 ng
 RT: 14.51 min Scan# 1945
 Delta R.T. -0.01 min
 Lab File: BG046012.D
 Acq: 10 Jul 2020 18:31

Tgt Ion	Ratio	Lower	Upper
138	100		
108	0.0	15.4	23.2#
92	0.0	95.9	143.9#

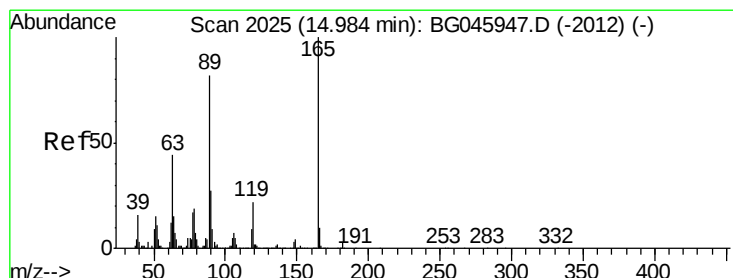
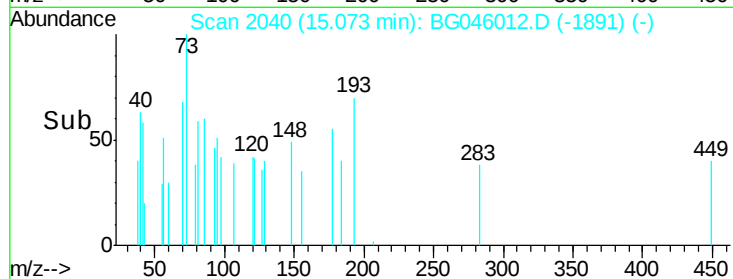
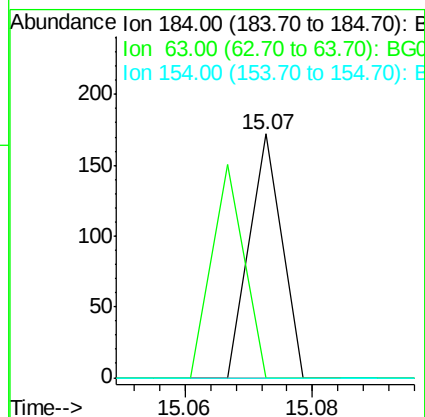
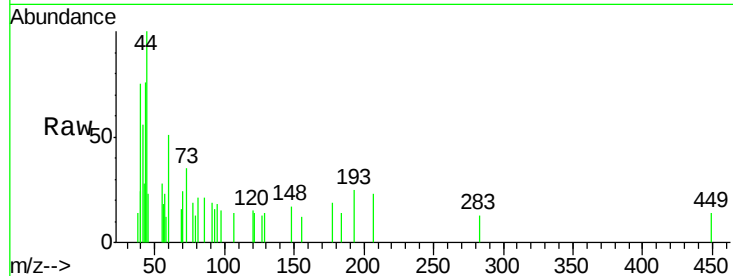




#54
2,4-Dinitrophenol
Concen: 6.140 ng
RT: 15.07 min Scan# 2040
Delta R.T. 0.35 min
Lab File: BG046012.D
Acq: 10 Jul 2020 18:31

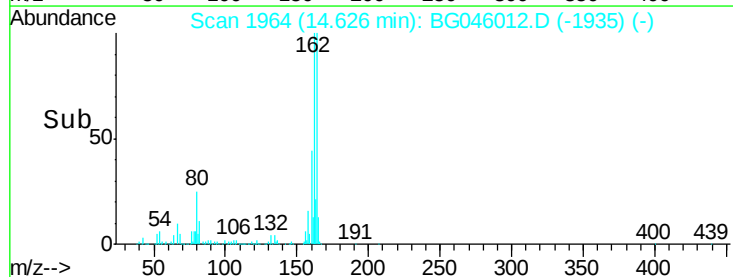
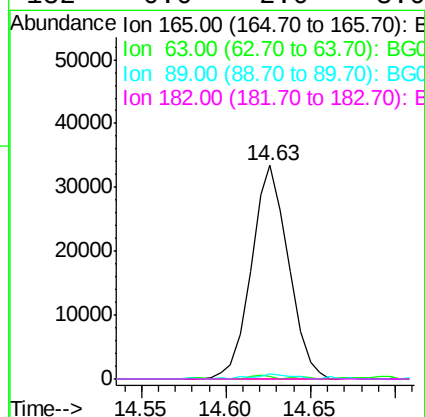
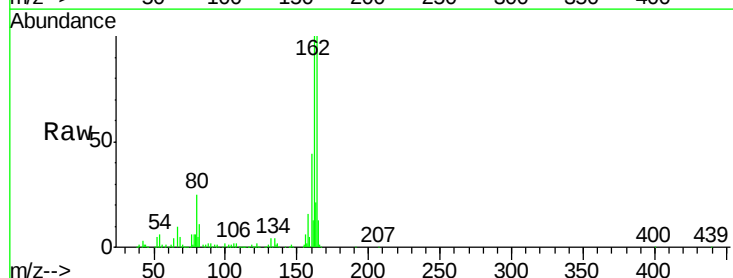
Instrument :
BNA_G
ClientSampleId :
OR-02-070820

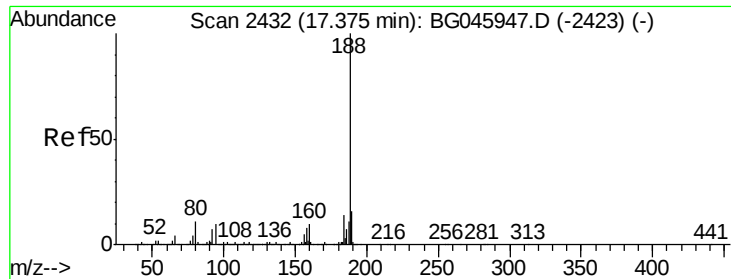
Tot Ion:184 Resp: 61
Ion Ratio Lower Upper
184 100
63 0.0 46.0 69.0#
154 0.0 58.2 87.2#



#57
2,4-Dinitrotoluene
Concen: 10.949 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.36 min
Lab File: BG046012.D
Acq: 10 Jul 2020 18:31

Tgt Ion:165 Resp: 50624
Ion Ratio Lower Upper
165 100
63 1.2 35.4 53.0#
89 2.7 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: BG046012.D

Acq: 10 Jul 2020 18:31

Instrument :

BNA_G

ClientSampleId :

OR-02-070820

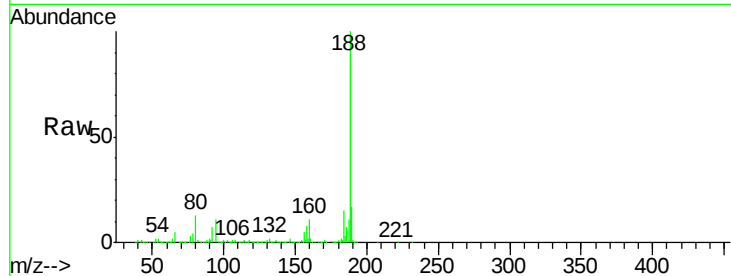
Tot Ion:188 Resp: 856200

Ion Ratio Lower Upper

188 100

94 10.9 8.2 12.4

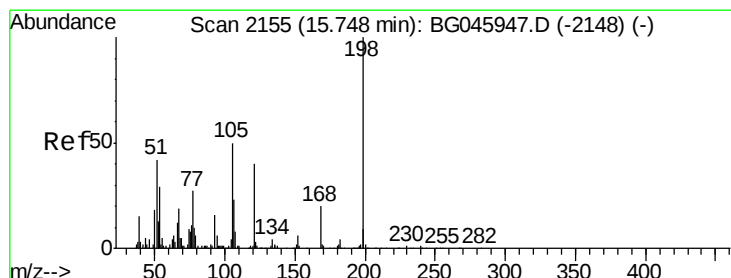
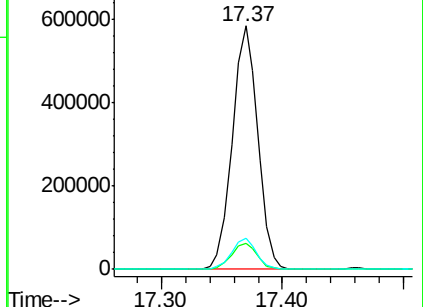
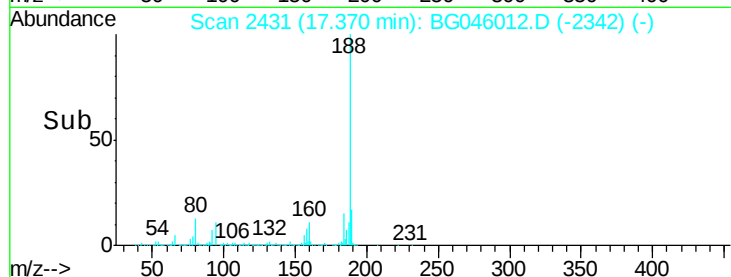
80 12.8 9.0 13.6



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: 6.810 ng

RT: 15.70 min Scan# 2146

Delta R.T. -0.05 min

Lab File: BG046012.D

Acq: 10 Jul 2020 18:31

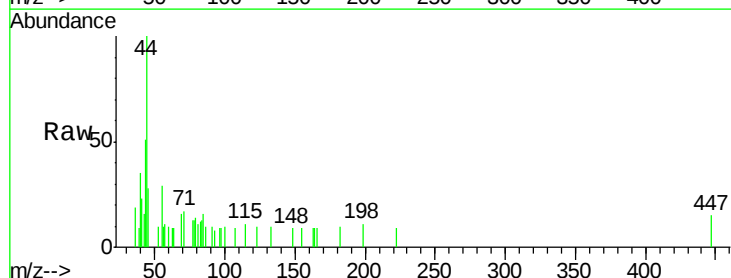
Tgt Ion:198 Resp: 68

Ion Ratio Lower Upper

198 100

51 0.0 24.5 64.5#

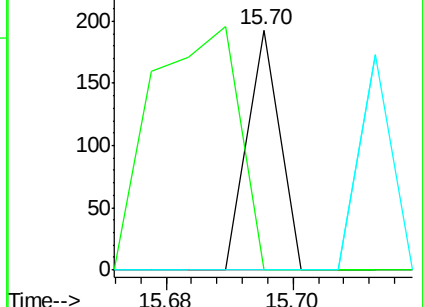
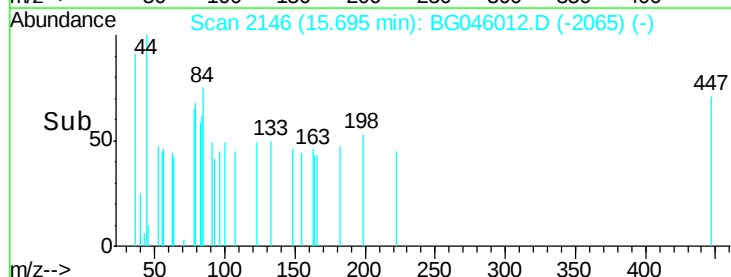
105 0.0 30.9 70.9#

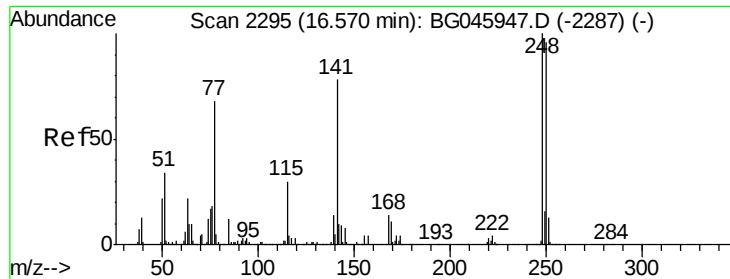


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

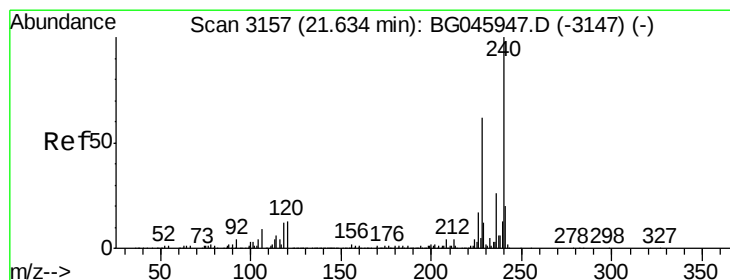
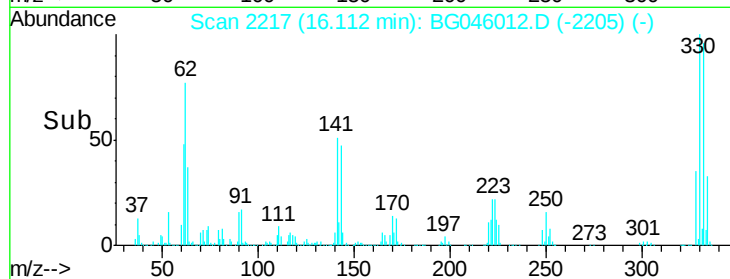
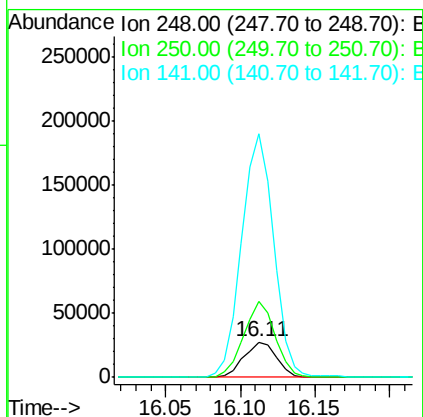
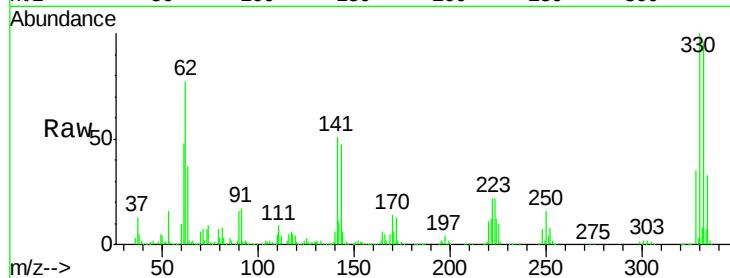




#67
 4-Bromophenyl-phenylether
 Concen: 4.414 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.46 min
 Lab File: BG046012.D
 Acq: 10 Jul 2020 18:31

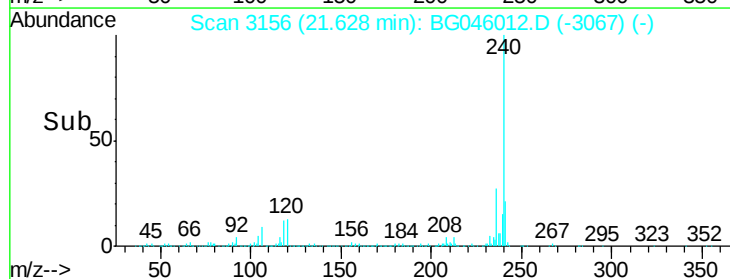
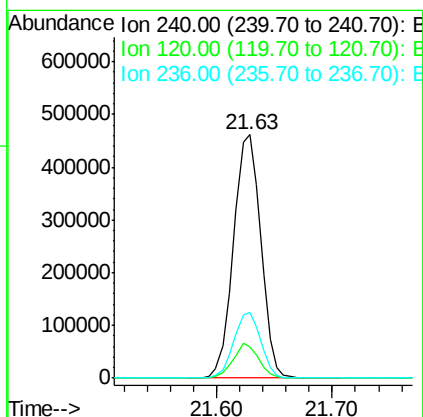
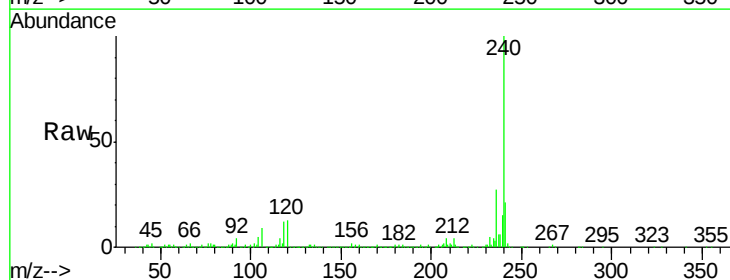
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-070820

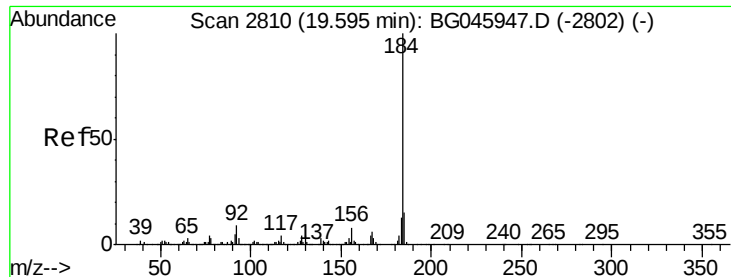
Tot Ion:248 Resp: 42206
 Ion Ratio Lower Upper
 248 100
 250 213.1 76.6 114.8#
 141 687.9 62.7 94.1#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.63 min Scan# 3156
 Delta R.T. -0.01 min
 Lab File: BG046012.D
 Acq: 10 Jul 2020 18:31

Tgt Ion:240 Resp: 755617
 Ion Ratio Lower Upper
 240 100
 120 12.9 10.6 16.0
 236 26.8 20.4 30.6





#77

Benzidine

Concen: 3.165 ng

RT: 19.99 min Scan# 2877

Delta R.T. 0.39 min

Lab File: BG046012.D

Acq: 10 Jul 2020 18:31

Instrument :

BNA_G

ClientSampleId :

OR-02-070820

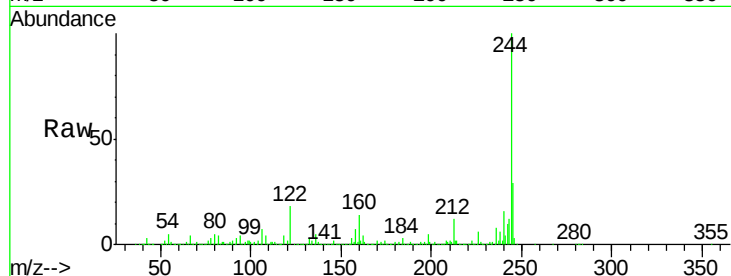
Tot Ion:184 Resp: 68385

Ion Ratio Lower Upper

184 100

185 17.3 11.6 17.4

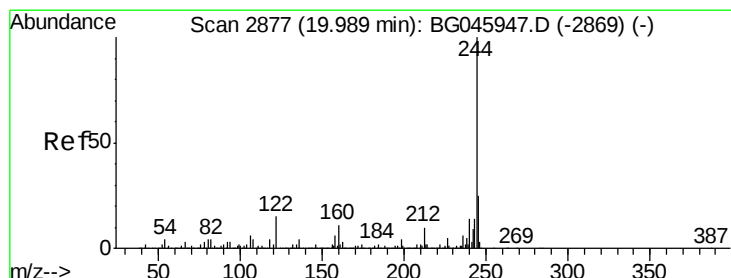
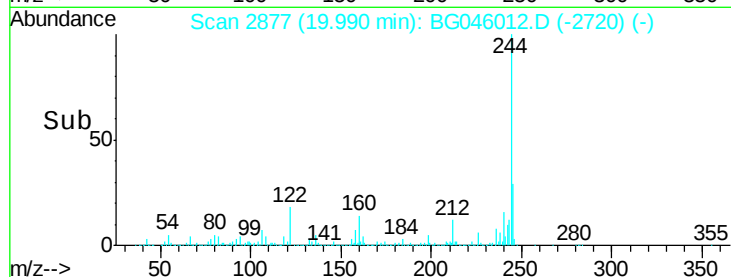
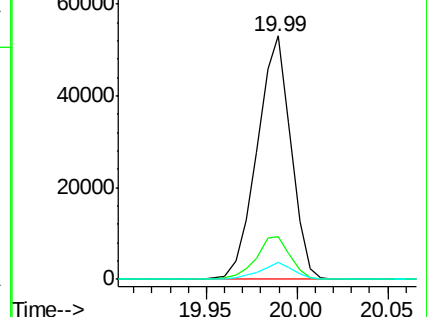
183 7.2 10.4 15.6#



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: 87.138 ng

RT: 19.99 min Scan# 2877

Delta R.T. 0.00 min

Lab File: BG046012.D

Acq: 10 Jul 2020 18:31

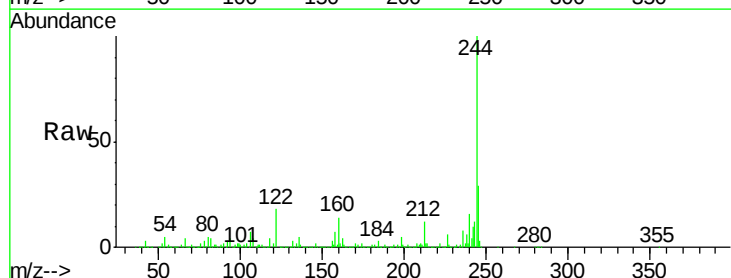
Tgt Ion:244 Resp: 2958560

Ion Ratio Lower Upper

244 100

212 11.8 8.3 12.5

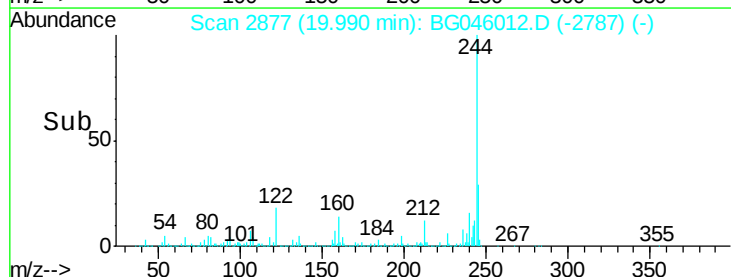
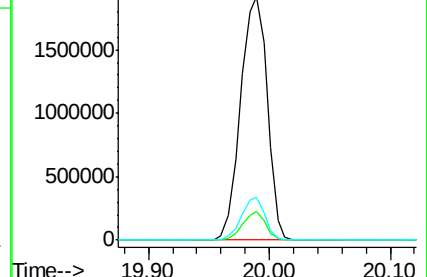
122 17.7 12.1 18.1

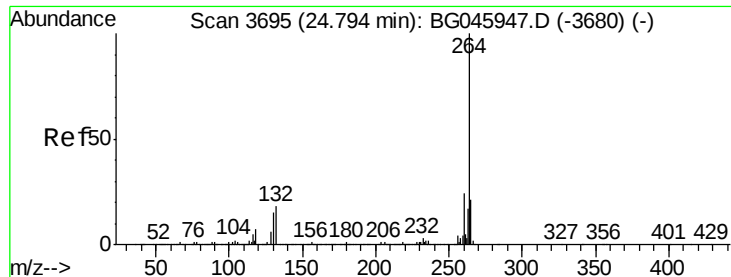


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG046012.D
Acq: 10 Jul 2020 18:31

Instrument :
BNA_G
ClientSampleId :
OR-02-070820

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.6
265	21.8	16.9	25.3

