

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071320\
 Data File : BG046027.D
 Acq On : 13 Jul 2020 17:57
 Operator : CG/JU
 Sample : L3277-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 14 00:42:27 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	8.01	152	134799	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	562423	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	355079	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	745772	20.00	ng	0.00
76) Chrysene-d12	21.63	240	636208	20.00	ng	0.00
86) Perylene-d12	24.78	264	635482	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	372996	44.87	ng	0.00
7) Phenol-d6	7.17	99	347843	29.07	ng	0.00
23) Nitrobenzene-d5	9.16	82	935225	95.71	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	299255	90.81	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1742709	76.56	ng	0.00
79) Terphenyl-d14	19.98	244	2206368	77.18	ng	0.00

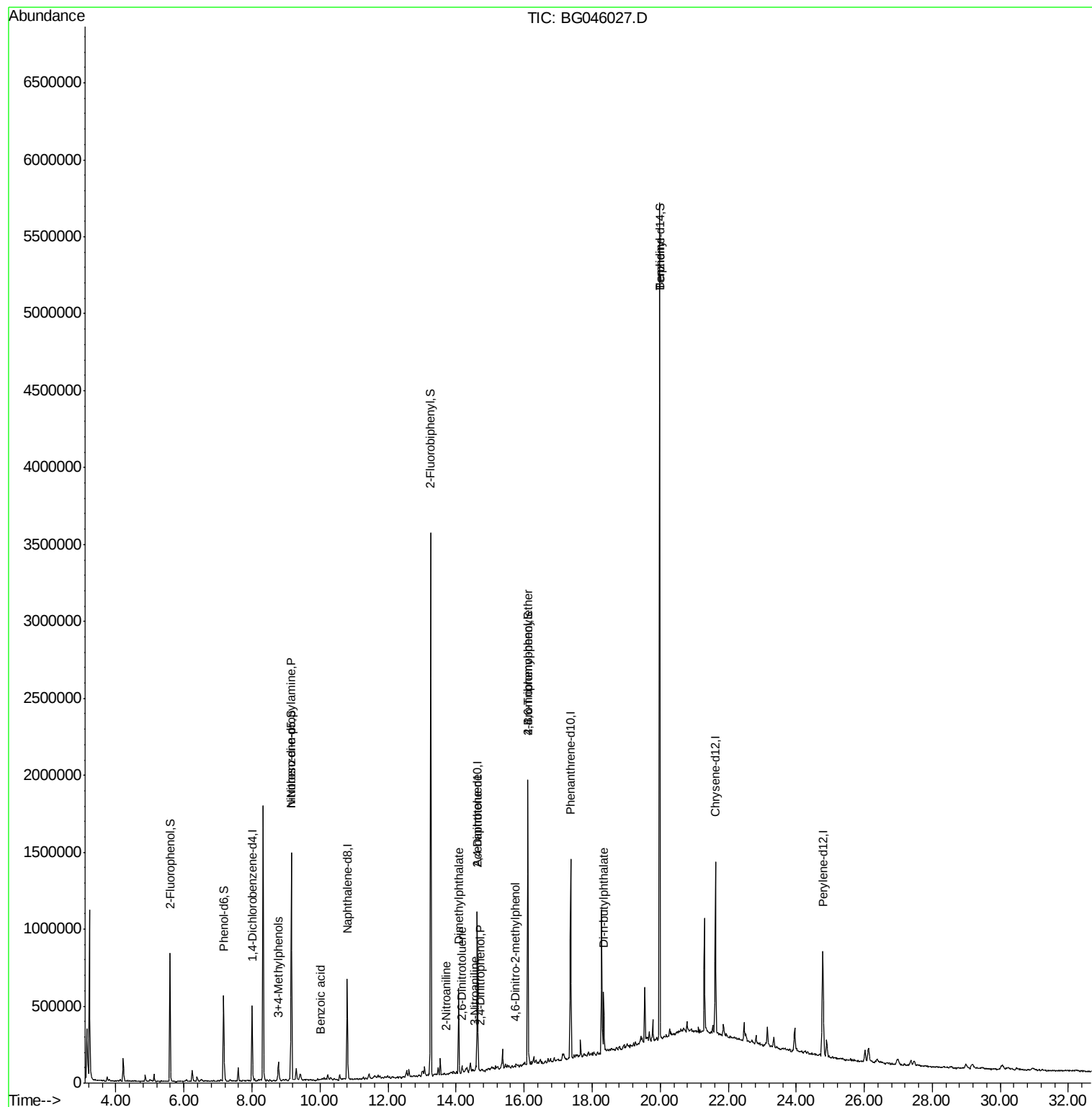
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	9.16	70	126560	15.054	ng	# 78
20) 3+4-Methylphenols	8.77	107	45281	3.688	ng	89
32) Benzoic acid	10.03	122	2030	6.845	ng	91
48) 2-Nitroaniline	13.70	65	915	3.514	ng	# 64
50) Dimethylphthalate	14.08	163	349956	13.133	ng	97
51) 2,6-Dinitrotoluene	14.17	165	1446	3.593	ng	# 8
53) 3-Nitroaniline	14.54	138	609	3.081	ng	# 25
54) 2,4-Dinitrophenol	14.73	184	56	6.140	ng	# 1
57) 2,4-Dinitrotoluene	14.63	165	46131	10.884	ng	# 21
65) 4,6-Dinitro-2-methylphenol	15.72	198	67	6.813	ng	# 1
67) 4-Bromophenyl-phenylether	16.11	248	21471	2.578	ng	# 1
74) Di-n-butylphthalate	18.34	149	275599	5.687	ng	96
77) Benzidine	19.98	184	47901	2.633	ng	# 90

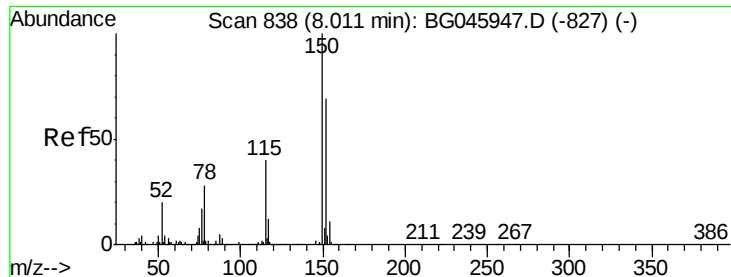
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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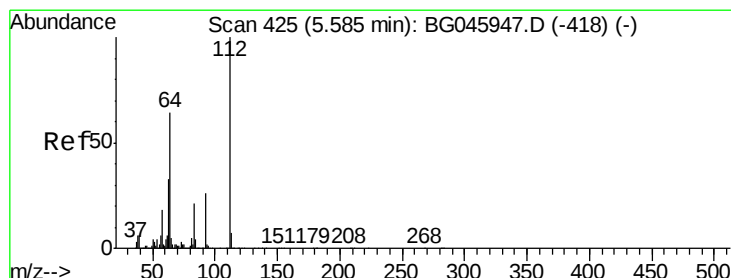
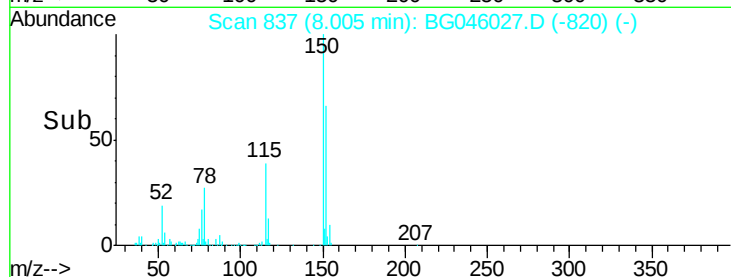
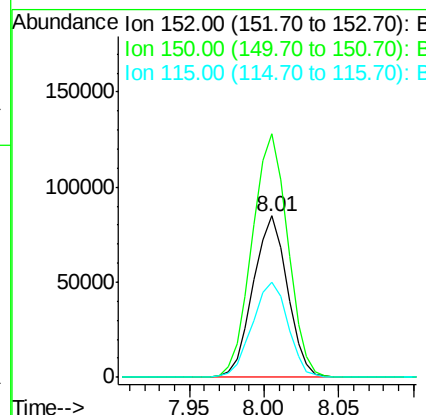
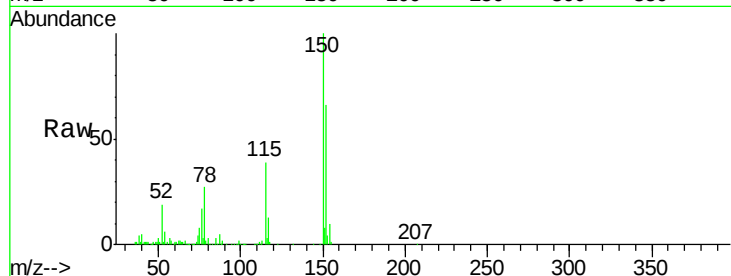


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG046027.D
Acq: 13 Jul 2020 17:57

Instrument :
BNA_G
ClientSampleId :

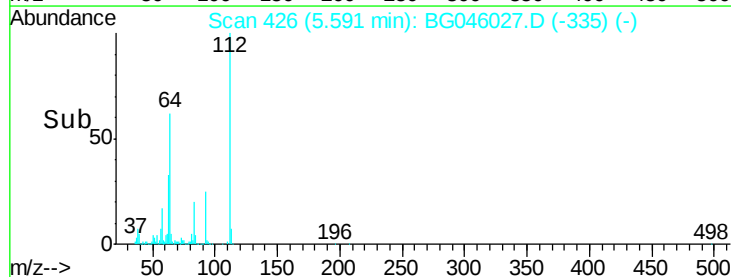
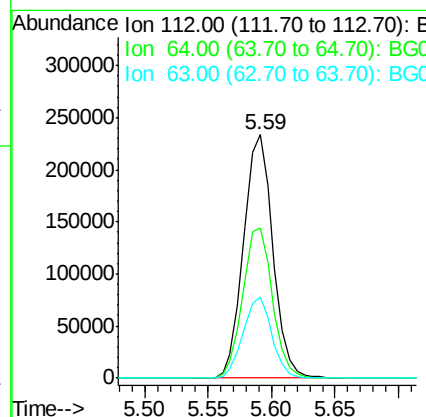
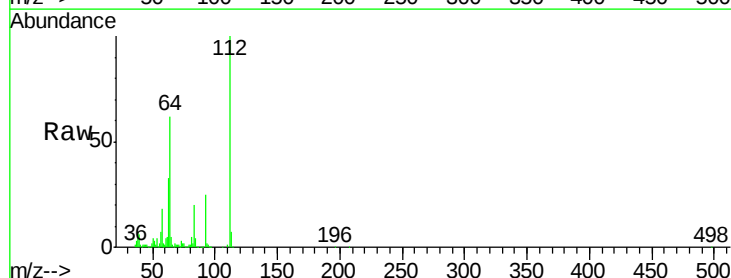
Tot Ion	Ratio	Lower	Upper
152	100		
150	150.8	116.7	175.1
115	58.9	47.4	71.0

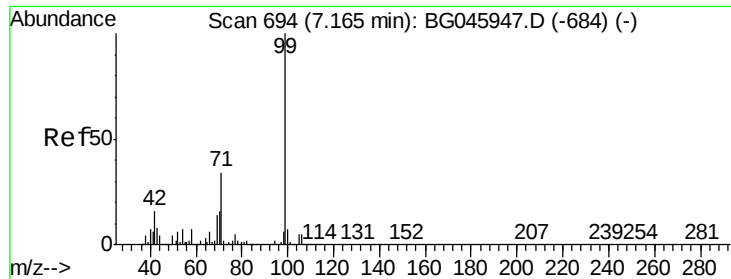


#5

2-Fluorophenol
Concen: 44.872 ng
RT: 5.59 min Scan# 426
Delta R.T. 0.01 min
Lab File: BG046027.D
Acq: 13 Jul 2020 17:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.7	51.4	77.2
63	33.3	26.6	40.0





#7

Phenol-d6

Concen: 29.066 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG046027.D

Acq: 13 Jul 2020 17:57

Instrument :

BNA_G

ClientSampled :

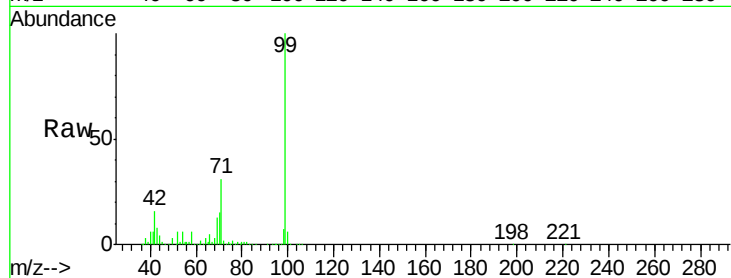
Tot Ion: 99 Resp: 347843

Ion Ratio Lower Upper

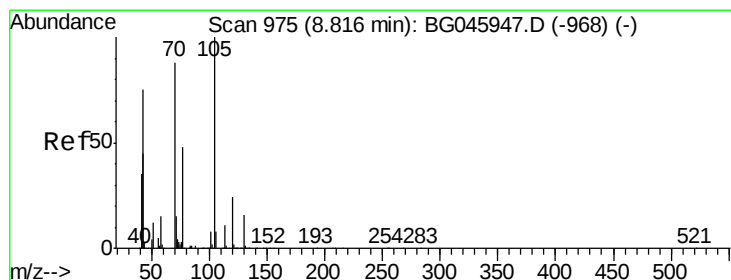
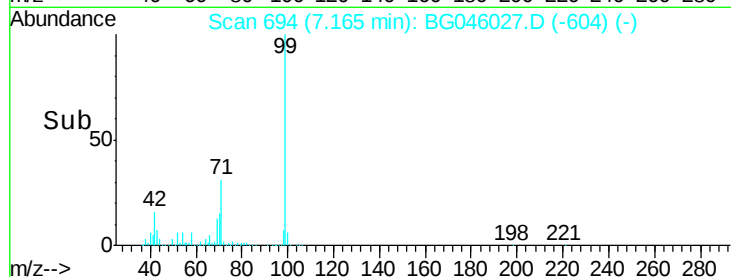
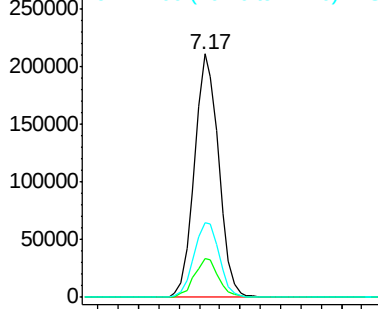
99 100

42 16.0 13.0 19.4

71 30.9 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: 15.054 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.35 min

Lab File: BG046027.D

Acq: 13 Jul 2020 17:57

Tgt Ion: 70 Resp: 126560

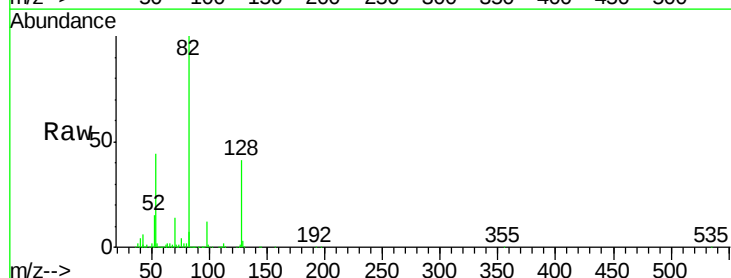
Ion Ratio Lower Upper

70 100

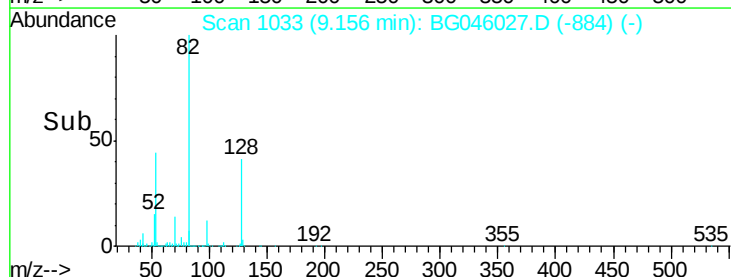
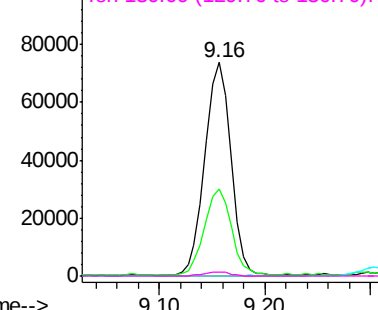
42 40.7 41.4 62.0#

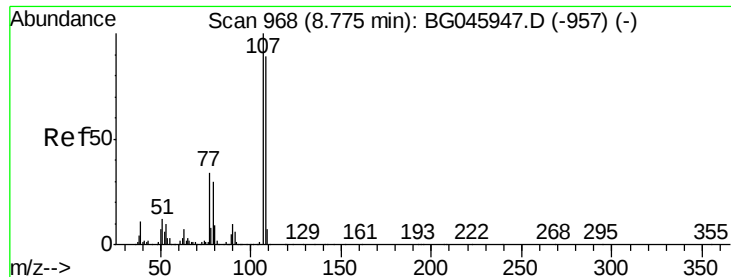
101 0.0 7.1 10.7#

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





#20

3+4-Methylphenols

Concen: 3.688 ng

RT: 8.77 min Scan# 968

Delta R.T. 0.01 min

Lab File: BG046027.D

Acq: 13 Jul 2020 17:57

Instrument :

BNA_G

ClientSampleId :

Tot Ion:107 Resp: 45281

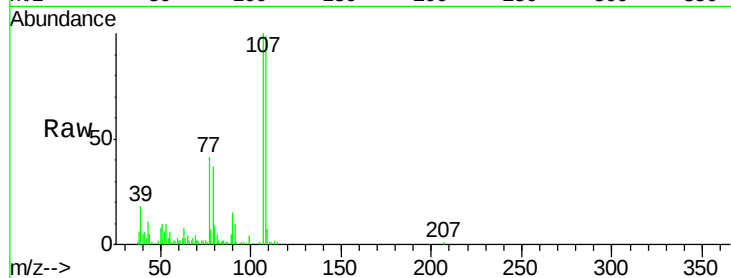
Ion Ratio Lower Upper

107 100

108 99.1 68.7 108.7

77 40.8 14.6 54.6

79 37.1 10.6 50.6

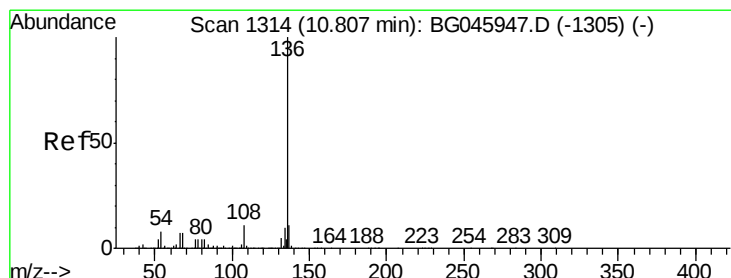
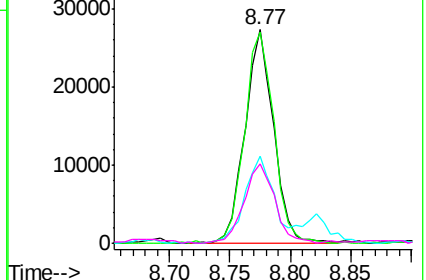
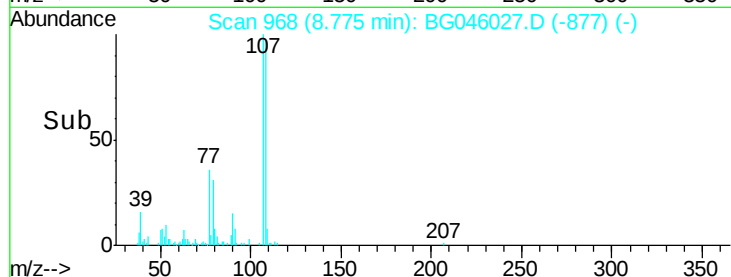


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.80 min Scan# 1313

Delta R.T. 0.00 min

Lab File: BG046027.D

Acq: 13 Jul 2020 17:57

Tgt Ion:136 Resp: 562423

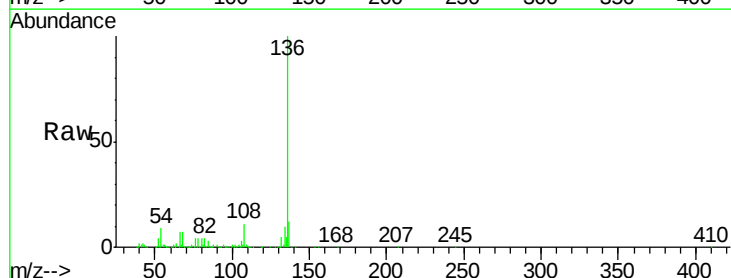
Ion Ratio Lower Upper

136 100

137 12.4 9.2 13.8

54 8.9 6.2 9.4

68 7.4 5.8 8.8

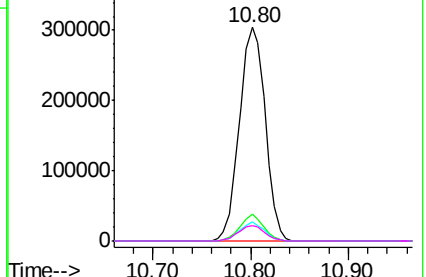
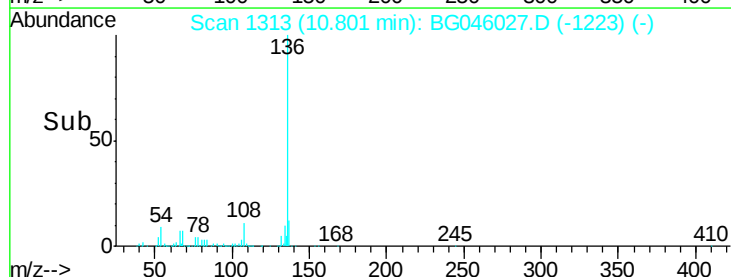


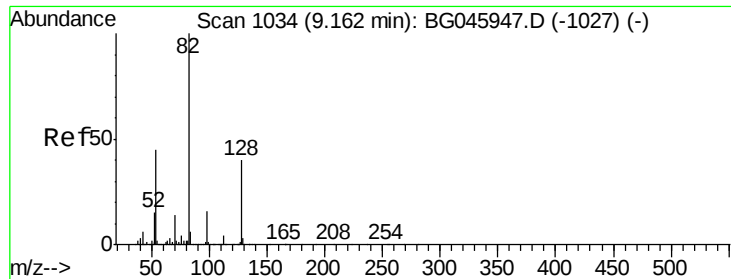
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG

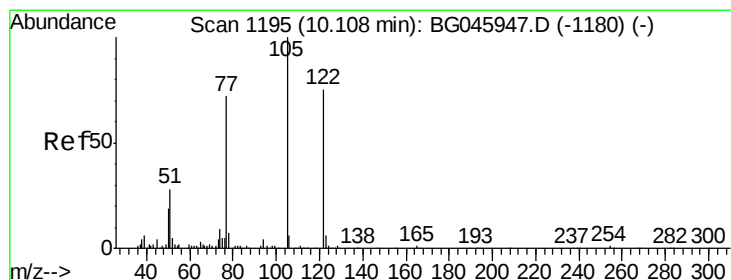
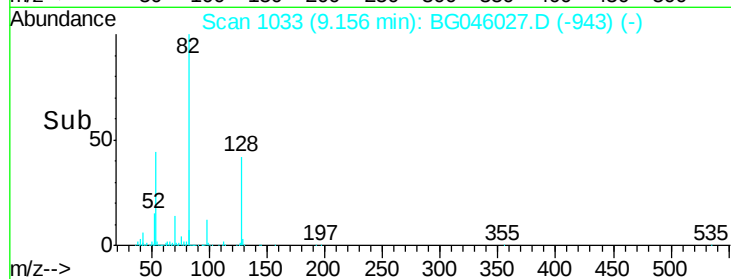
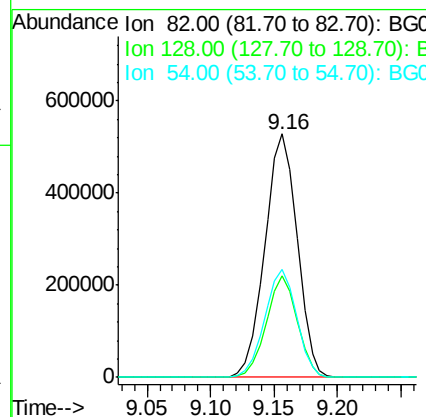
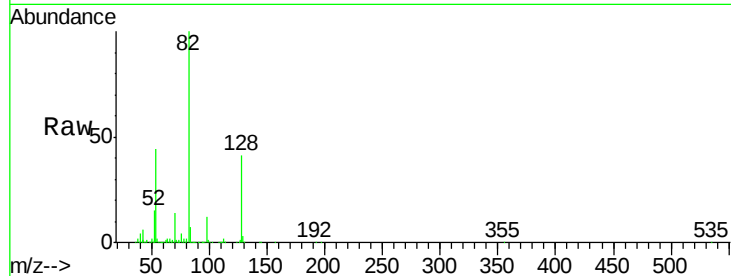




#23
 Nitrobenzene-d5
 Concen: 95.710 ng
 RT: 9.16 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: BG046027.D
 Acq: 13 Jul 2020 17:57

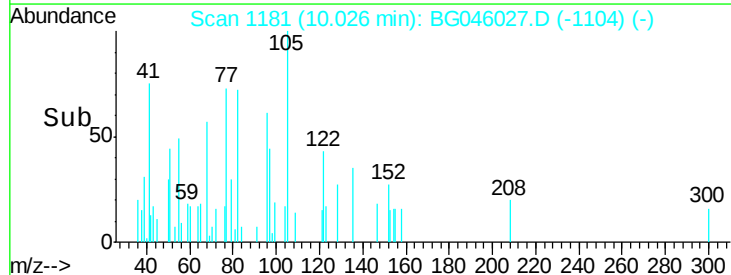
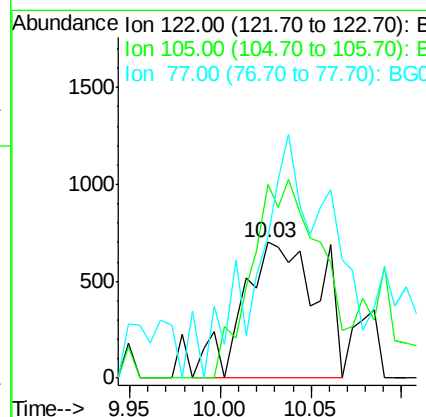
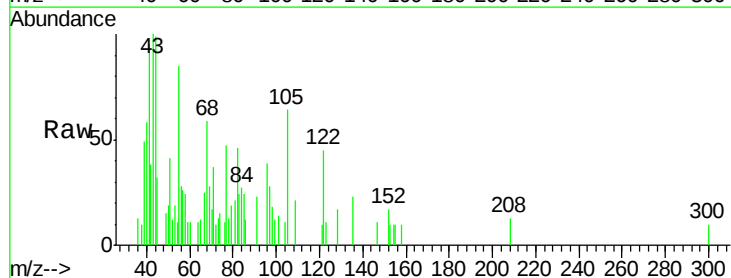
Instrument :
 BNA_G
 ClientSampleId :

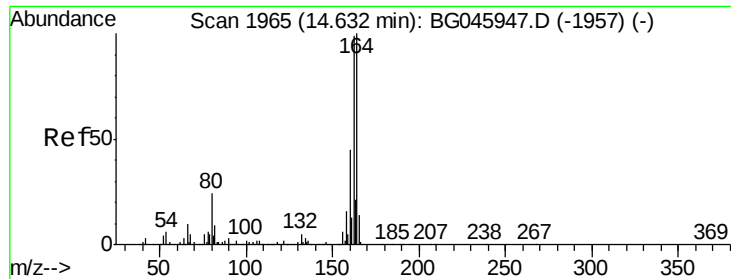
Tot Ion	82	Resp	935225
Ion Ratio	Lower	Upper	
82	100		
128	41.5	32.2	48.4
54	44.4	35.8	53.6



#32
 Benzoic acid
 Concen: 6.845 ng
 RT: 10.03 min Scan# 1181
 Delta R.T. -0.08 min
 Lab File: BG046027.D
 Acq: 13 Jul 2020 17:57

Tgt Ion	122	Resp	2030
Ion Ratio	Lower	Upper	
122	100		
105	142.4	110.8	150.8
77	104.1	76.4	116.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1964

Delta R.T. 0.00 min

Lab File: BG046027.D

Acq: 13 Jul 2020 17:57

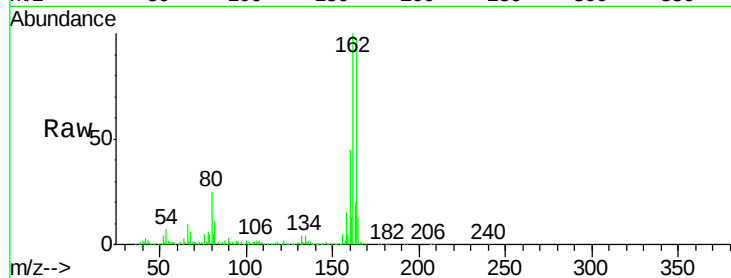
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 355079

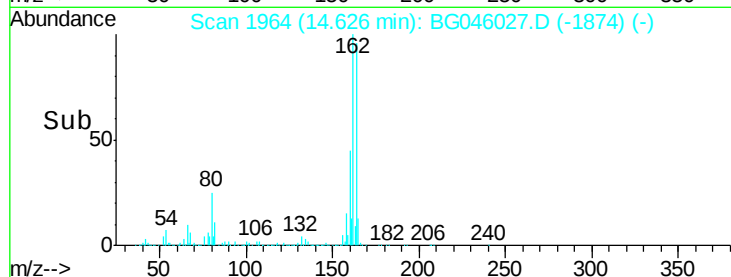
Ion	Ratio	Lower	Upper
164	100		
162	103.0	79.3	118.9
160	46.5	35.7	53.5



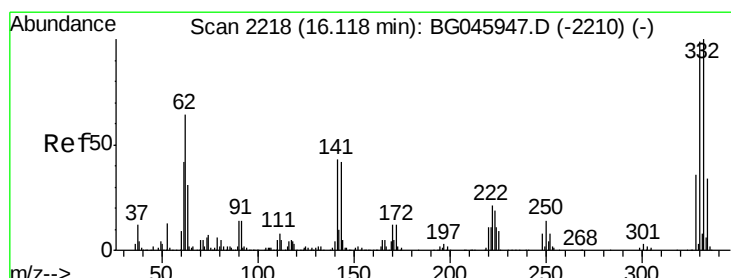
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->



#42

2,4,6-Tribromophenol

Concen: 90.807 ng

RT: 16.11 min Scan# 2217

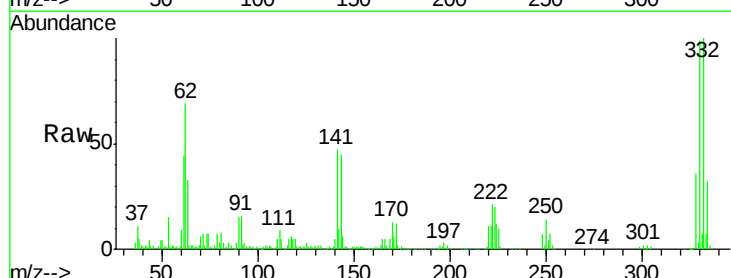
Delta R.T. 0.00 min

Lab File: BG046027.D

Acq: 13 Jul 2020 17:57

Tgt Ion:330 Resp: 299255

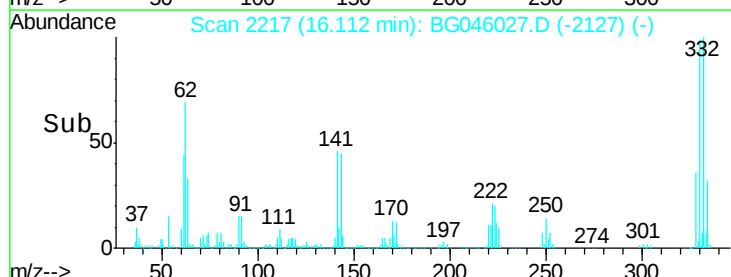
Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.3	117.5
141	47.1	36.6	54.8



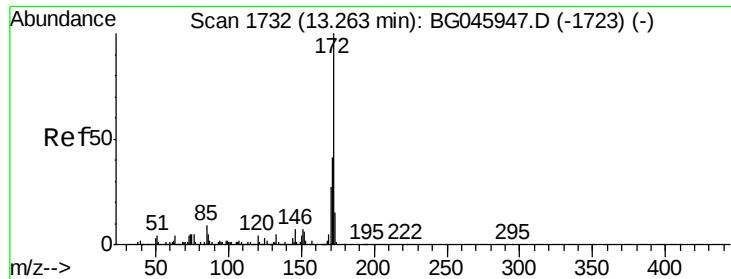
Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



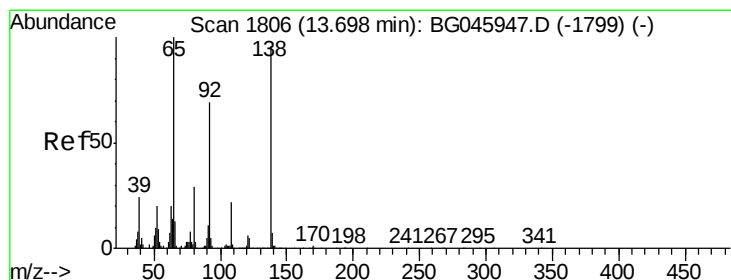
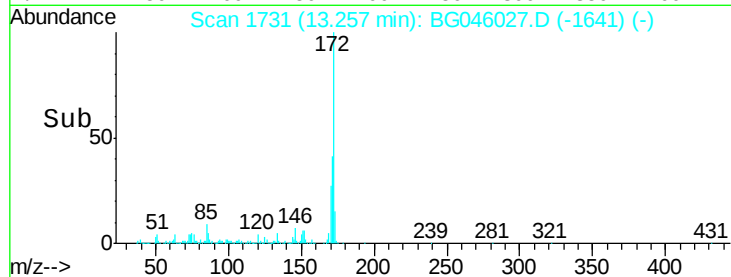
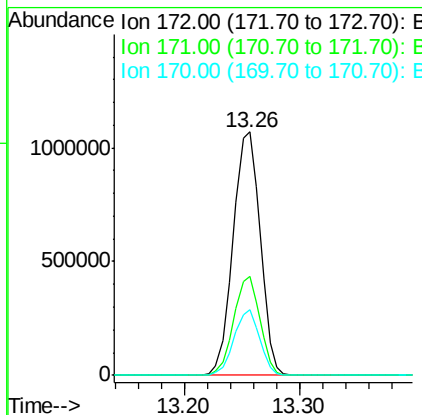
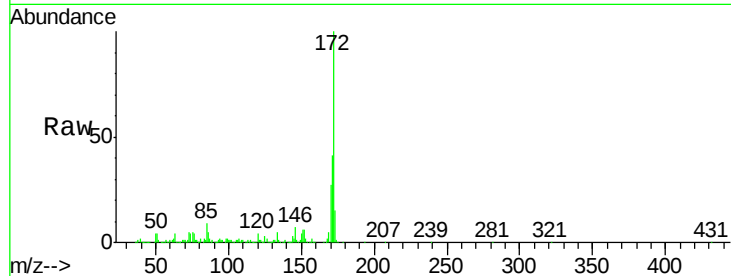
Time-->



#45
 2-Fluorobiphenyl
 Concen: 76.555 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: BG046027.D
 Acq: 13 Jul 2020 17:57

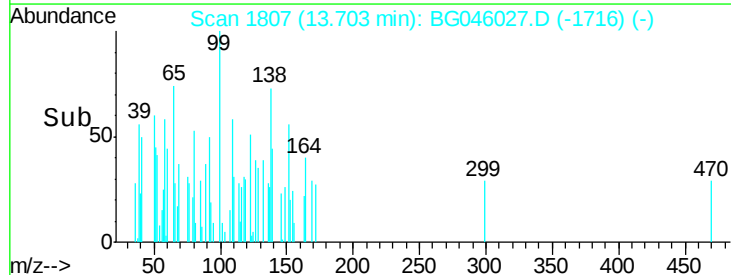
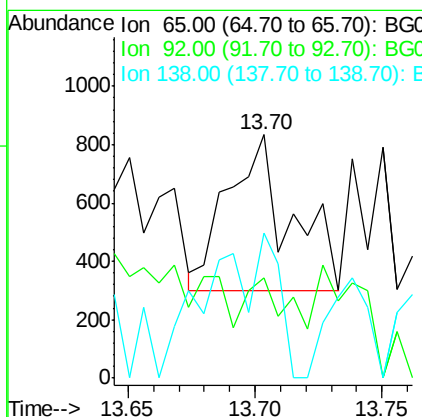
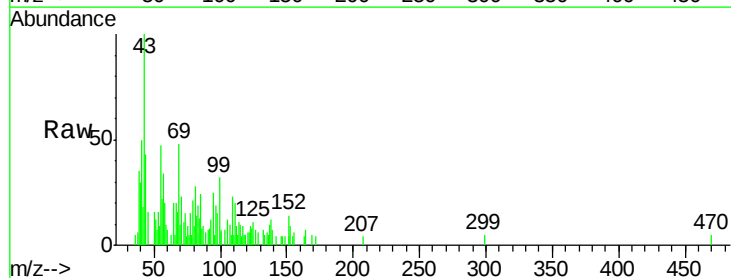
Instrument :
 BNA_G
 ClientSampleId :

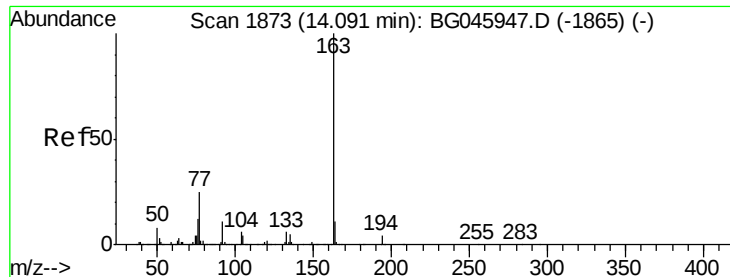
Tot Ion:172 Resp: 1742709
 Ion Ratio Lower Upper
 172 100
 171 40.7 32.9 49.3
 170 26.8 21.8 32.6



#48
 2-Nitroaniline
 Concen: 3.514 ng
 RT: 13.70 min Scan# 1807
 Delta R.T. 0.01 min
 Lab File: BG046027.D
 Acq: 13 Jul 2020 17:57

Tgt Ion: 65 Resp: 915
 Ion Ratio Lower Upper
 65 100
 92 41.2 55.4 83.0#
 138 59.8 77.0 115.4#

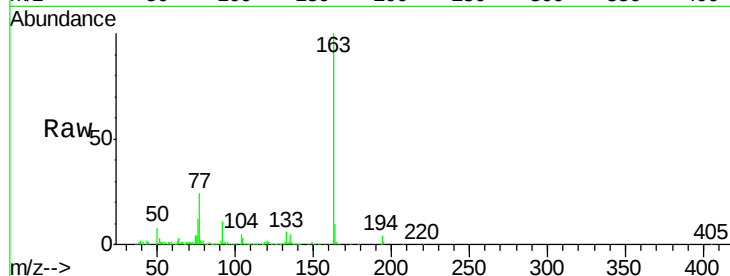




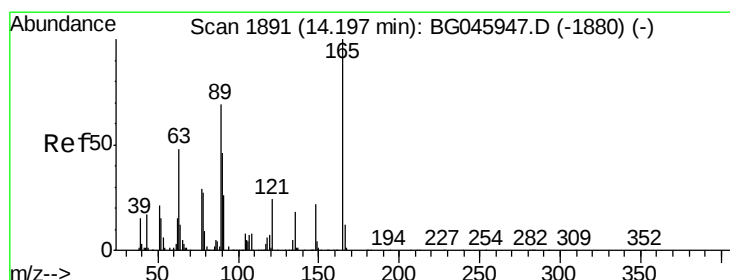
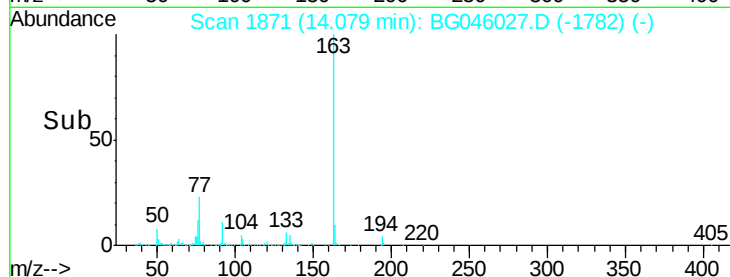
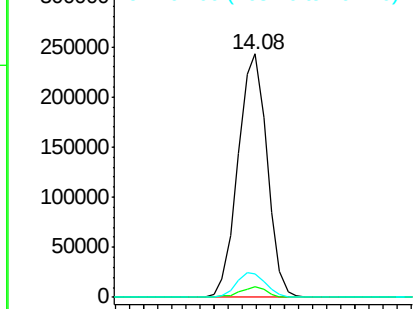
#50
Dimethylphthalate
Concen: 13.133 ng
RT: 14.08 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BG046027.D
Acq: 13 Jul 2020 17:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.6	5.4
164	9.6	8.9	13.3

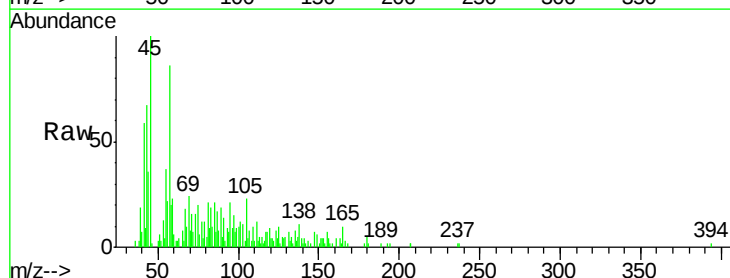


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

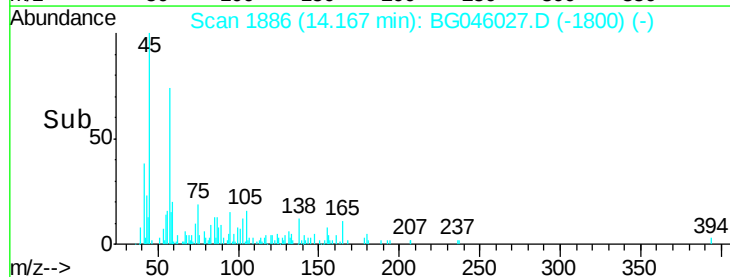
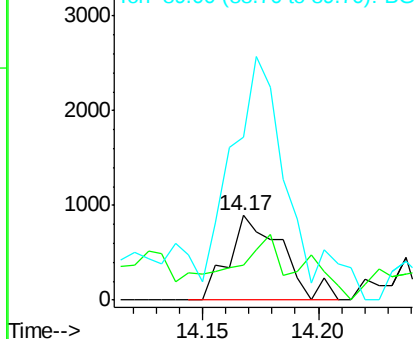


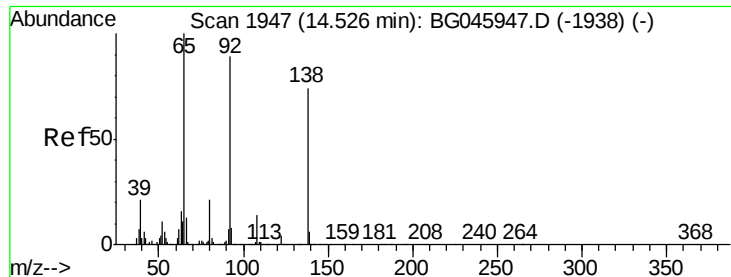
#51
2,6-Dinitrotoluene
Concen: 3.593 ng
RT: 14.17 min Scan# 1886
Delta R.T. -0.02 min
Lab File: BG046027.D
Acq: 13 Jul 2020 17:57

Tgt Ion	Ratio	Lower	Upper
165	100		
63	40.7	51.0	76.4#
89	192.3	55.7	83.5#



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





#53

3-Nitroaniline

Concen: 3.081 ng

RT: 14.54 min Scan# 1949

Delta R.T. 0.02 min

Lab File: BG046027.D

Acq: 13 Jul 2020 17:57

Instrument :

BNA_G

ClientSampleId :

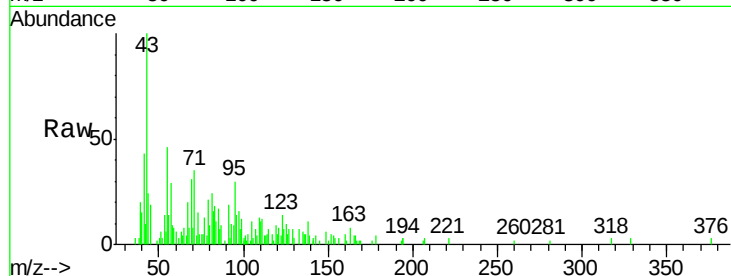
Tot Ion:138 Resp: 609

Ion Ratio Lower Upper

138 100

108 40.7 15.4 23.2#

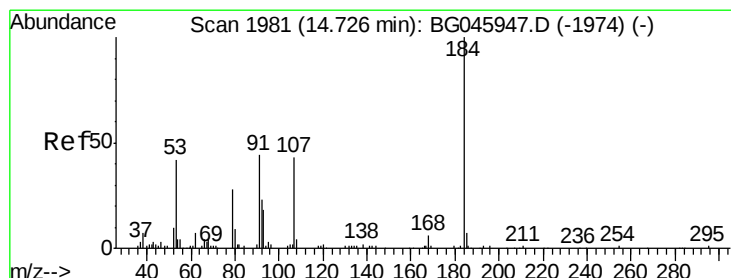
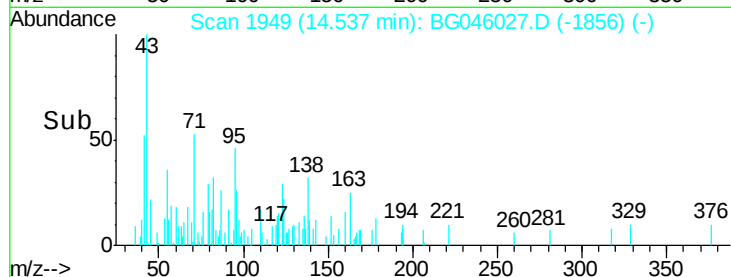
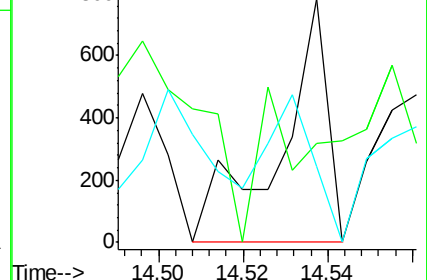
92 31.5 95.9 143.9#



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): E



#54

2,4-Dinitrophenol

Concen: 6.140 ng

RT: 14.73 min Scan# 1981

Delta R.T. 0.01 min

Lab File: BG046027.D

Acq: 13 Jul 2020 17:57

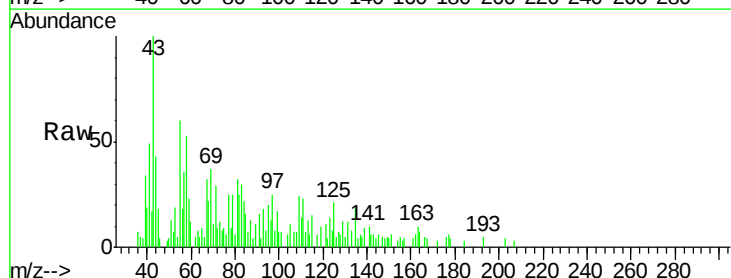
Tgt Ion:184 Resp: 56

Ion Ratio Lower Upper

184 100

63 254.7 46.0 69.0#

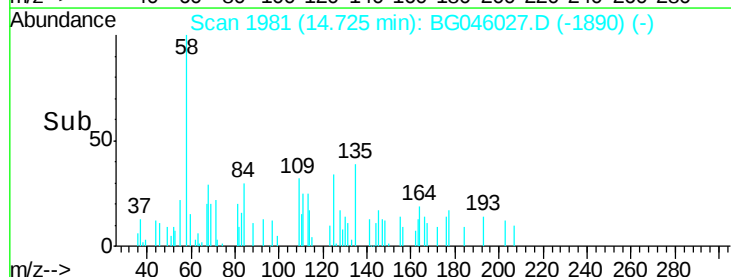
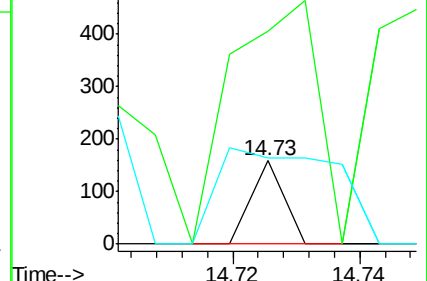
154 103.1 58.2 87.2#

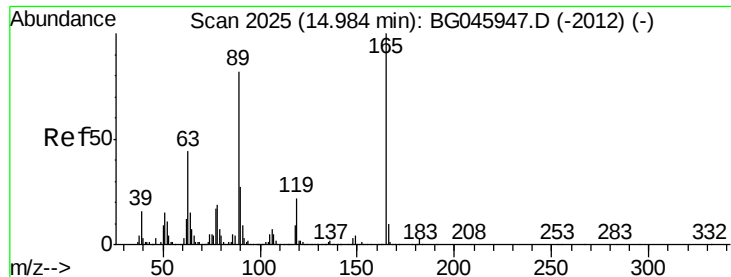


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): E

Ion 154.00 (153.70 to 154.70): E

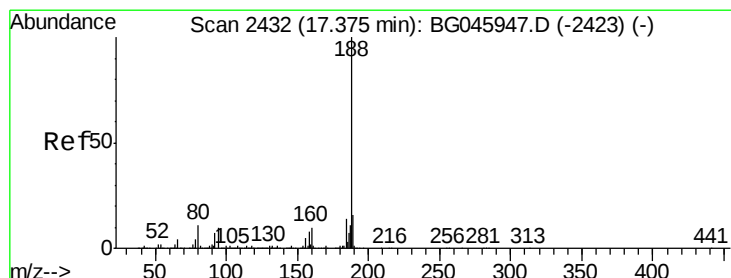
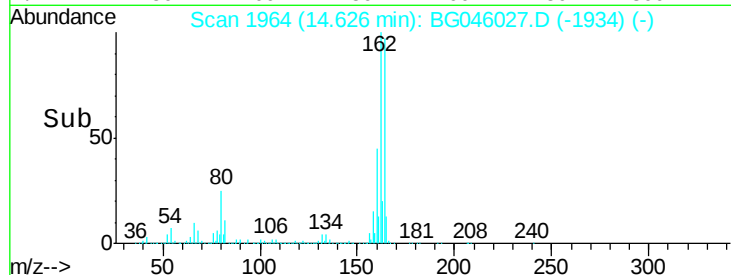
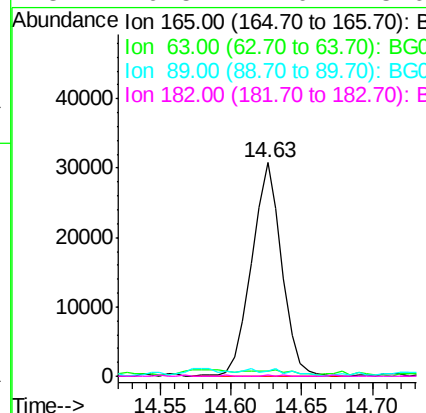
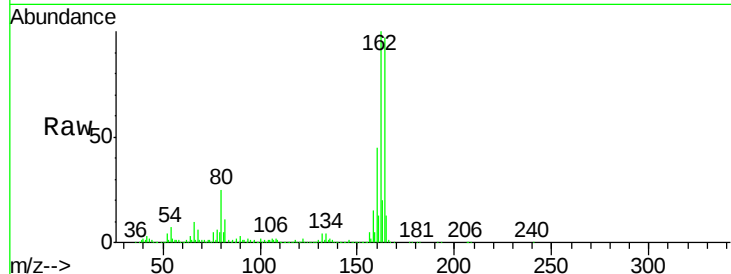




#57
 2,4-Dinitrotoluene
 Concen: 10.884 ng
 RT: 14.63 min Scan# 1964
 Delta R.T. -0.35 min
 Lab File: BG046027.D
 Acq: 13 Jul 2020 17:57

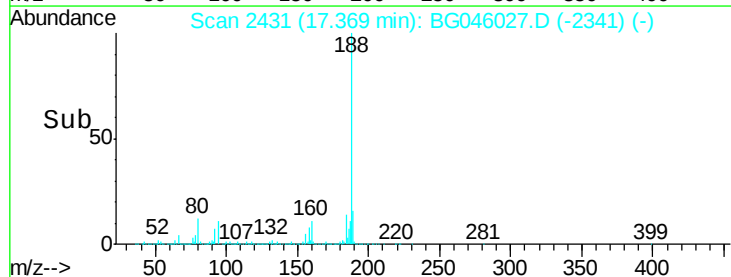
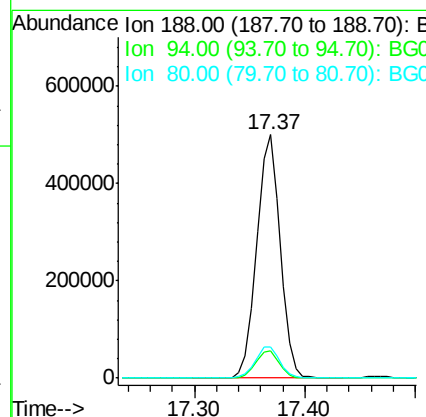
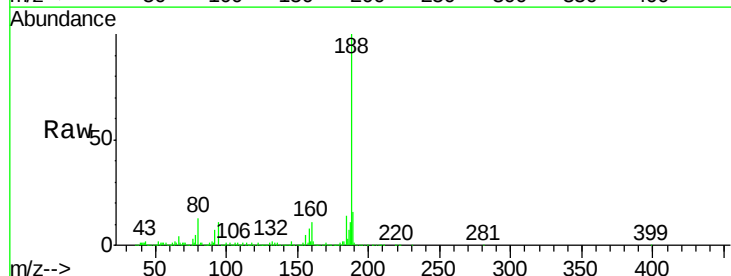
Instrument :
 BNA_G
 ClientSampleId :

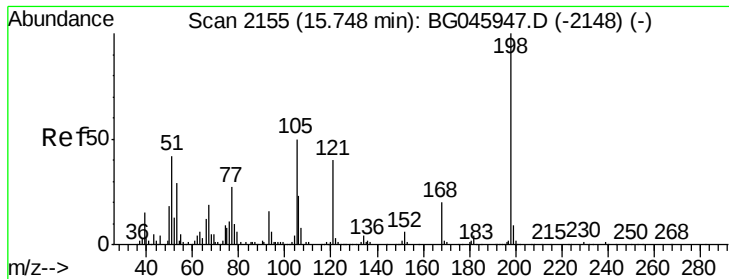
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	35.4	53.0#
89	2.2	65.4	98.2#
182	0.5	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: BG046027.D
 Acq: 13 Jul 2020 17:57

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.2	12.4
80	12.6	9.0	13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 6.813 ng

RT: 15.72 min Scan# 2151

Delta R.T. -0.02 min

Lab File: BG046027.D

Acq: 13 Jul 2020 17:57

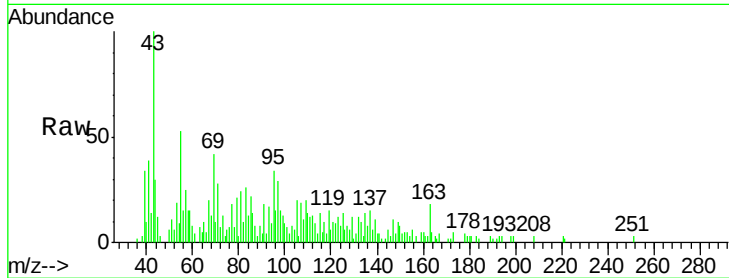
Instrument :

BNA_G

ClientSampleId :

Tot Ion:198 Resp: 67

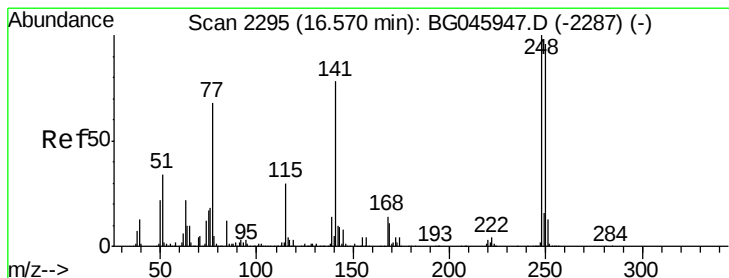
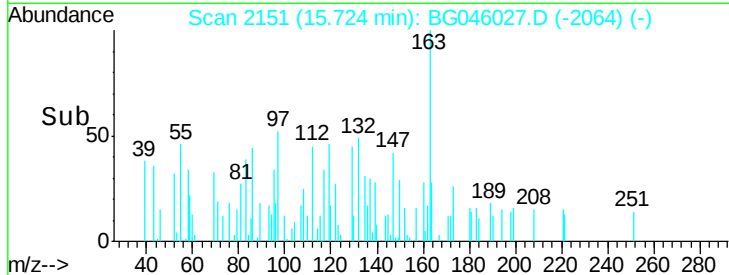
Ion	Ratio	Lower	Upper
198	100		
51	408.4	24.5	64.5#
105	763.7	30.9	70.9#



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: 2.578 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.45 min

Lab File: BG046027.D

Acq: 13 Jul 2020 17:57

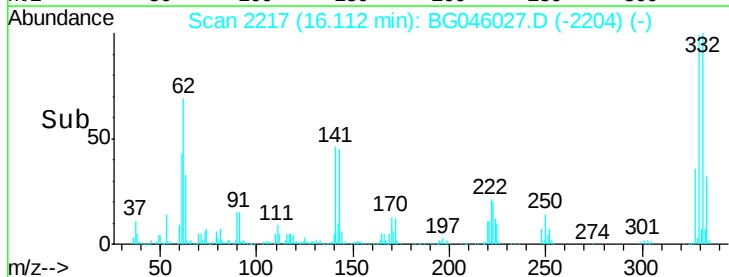
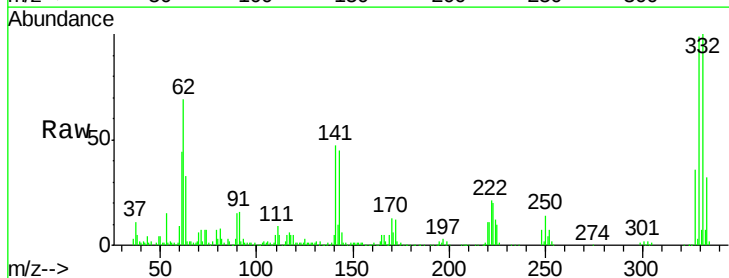
Tgt Ion:248 Resp: 21471

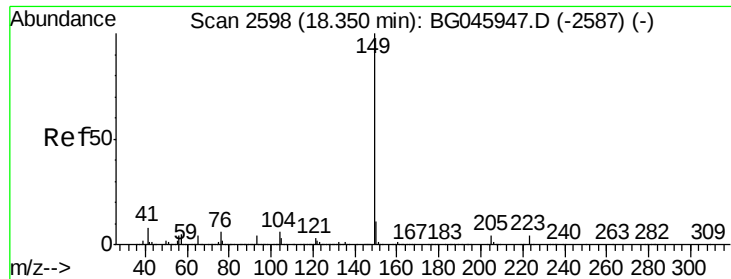
Ion	Ratio	Lower	Upper
248	100		
250	187.7	76.6	114.8#
141	649.0	62.7	94.1#

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

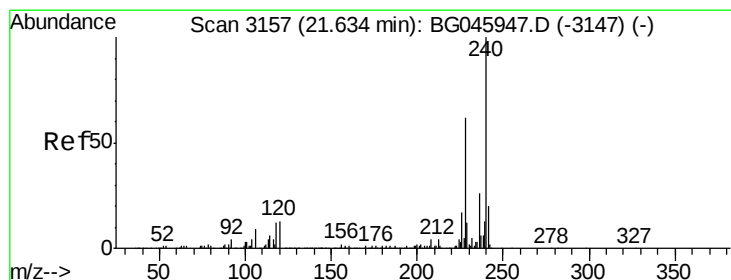
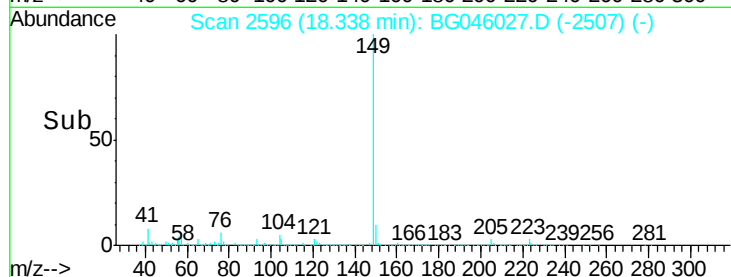
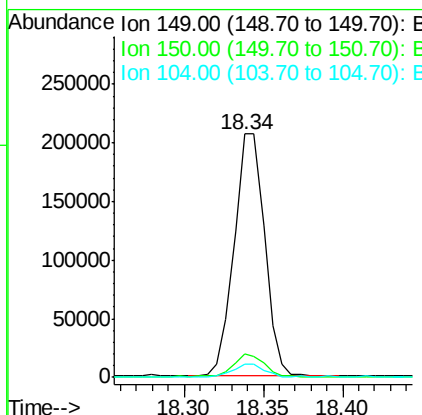
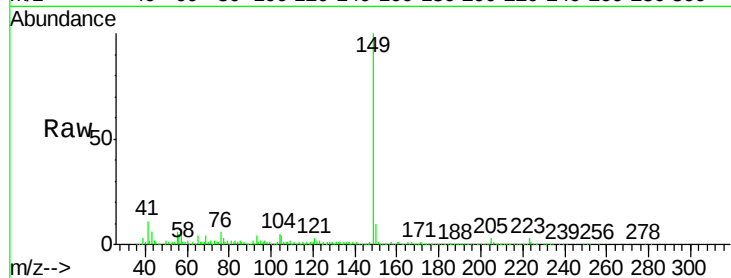




#74
Di-n-butylphthalate
Concen: 5.687 ng
RT: 18.34 min Scan# 2596
Delta R.T. -0.01 min
Lab File: BG046027.D
Acq: 13 Jul 2020 17:57

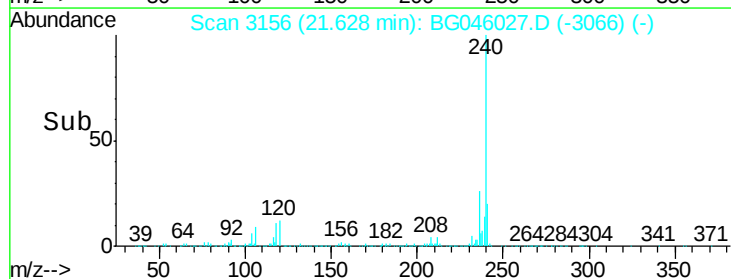
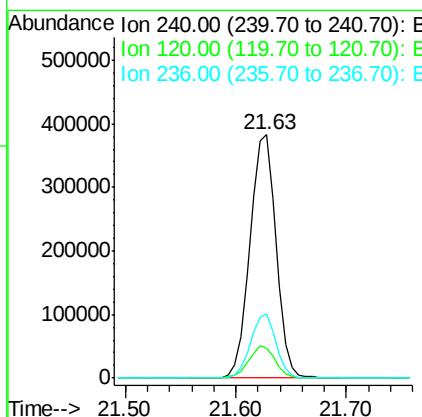
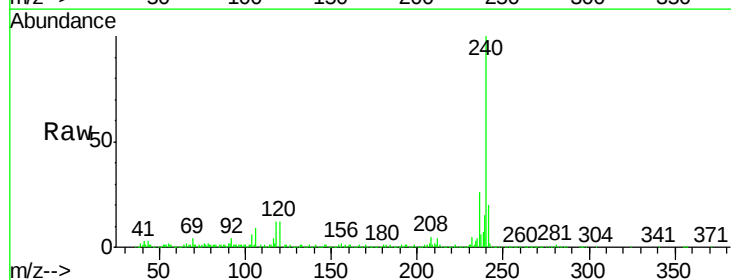
Instrument :
BNA_G
ClientSampleId :

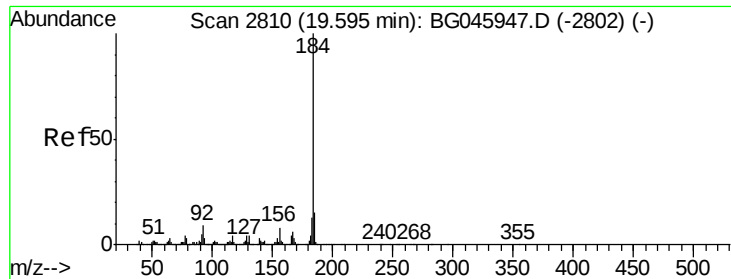
Tot Ion	Ratio	Lower	Upper
149	100		
150	9.7	9.0	13.4
104	5.4	5.2	7.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. 0.00 min
Lab File: BG046027.D
Acq: 13 Jul 2020 17:57

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.2	10.6	16.0
236	26.4	20.4	30.6





#77

Benzidine

Concen: 2.633 ng

RT: 19.98 min Scan# 2876

Delta R.T. 0.39 min

Lab File: BG046027.D

Acq: 13 Jul 2020 17:57

Instrument :

BNA_G

ClientSampled :

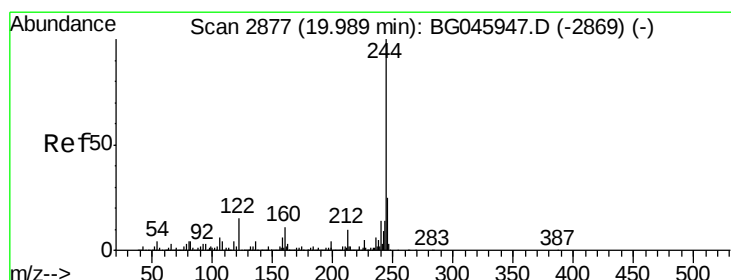
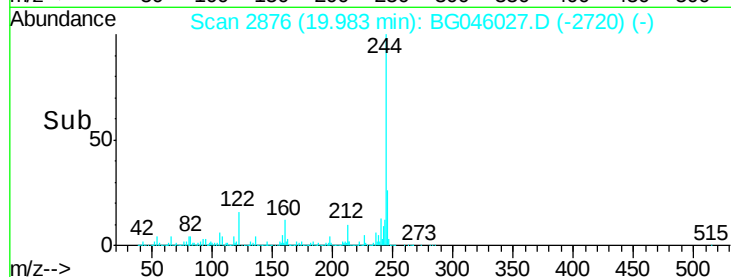
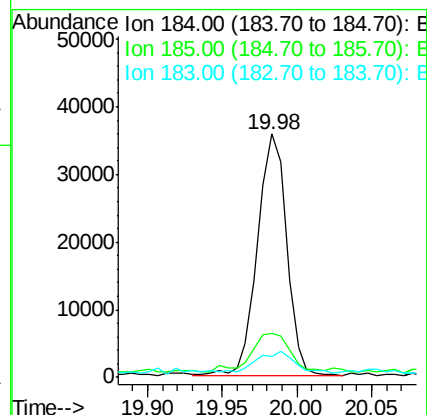
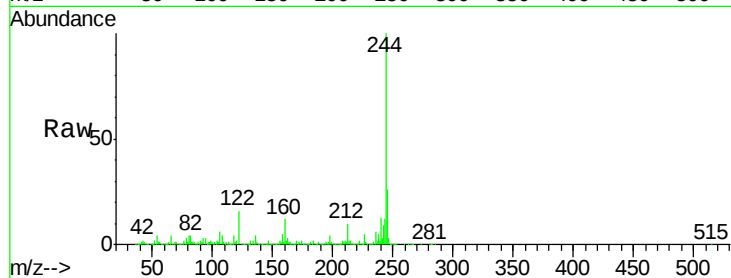
Tot Ion:184 Resp: 47901

Ion Ratio Lower Upper

184 100

185 18.1 11.6 17.4#

183 8.6 10.4 15.6#



#79

Terphenyl-d14

Concen: 77.181 ng

RT: 19.98 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BG046027.D

Acq: 13 Jul 2020 17:57

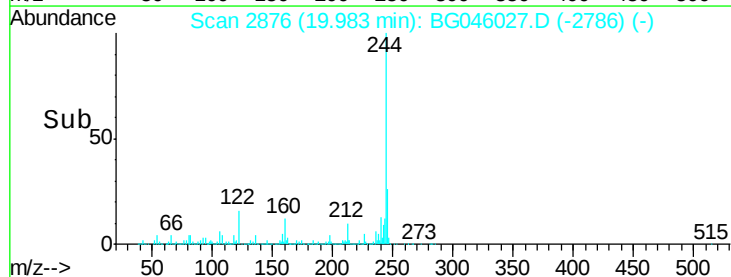
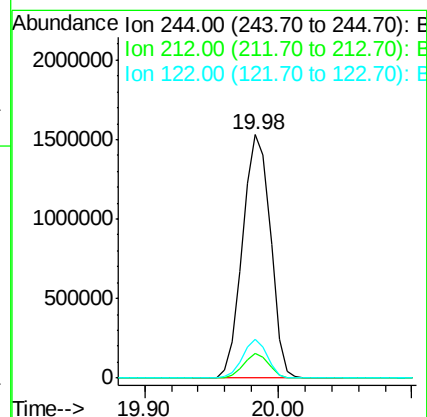
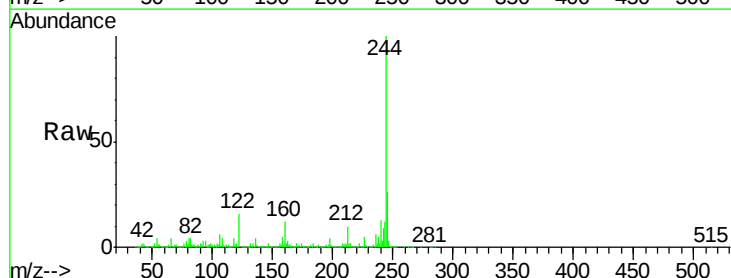
Tgt Ion:244 Resp: 2206368

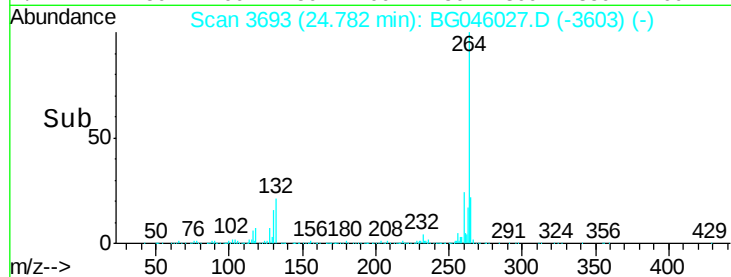
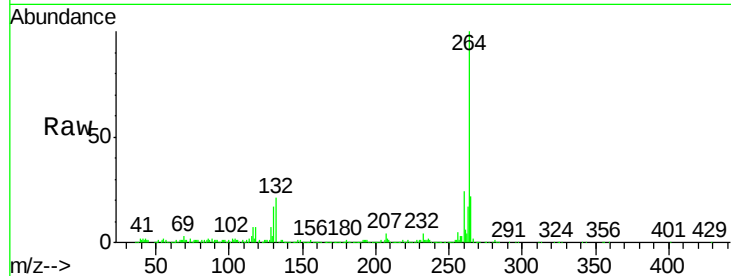
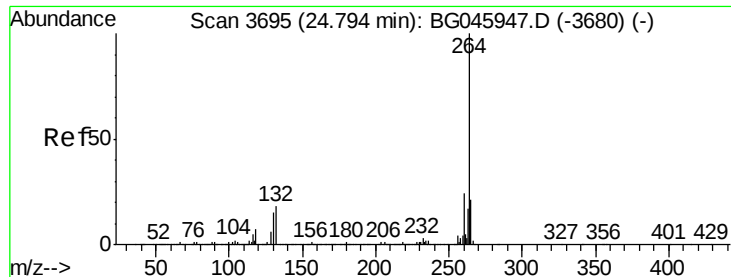
Ion Ratio Lower Upper

244 100

212 10.2 8.3 12.5

122 16.0 12.1 18.1





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.78 min Scan# 3693
Delta R.T. 0.00 min
Lab File: BG046027.D
Acq: 13 Jul 2020 17:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.6
265	21.9	16.9	25.3

