

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071020\
 Data File : BG046010.D
 Acq On : 10 Jul 2020 17:09
 Operator : CG/JU
 Sample : L3217-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E3-41-COMP-1-FLOOR

Quant Time: Jul 10 18:11:32 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	8.00	152	137058	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	557184	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	368892	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	802066	20.00	ng	0.00
76) Chrysene-d12	21.63	240	704761	20.00	ng	0.00
86) Perylene-d12	24.78	264	727611	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	988061	116.91	ng	0.00
7) Phenol-d6	7.16	99	1420413	116.73	ng	0.00
23) Nitrobenzene-d5	9.16	82	1047261	108.18	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	504038	147.22	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1918537	81.12	ng	0.00
79) Terphenyl-d14	19.99	244	2675873	84.50	ng	0.00

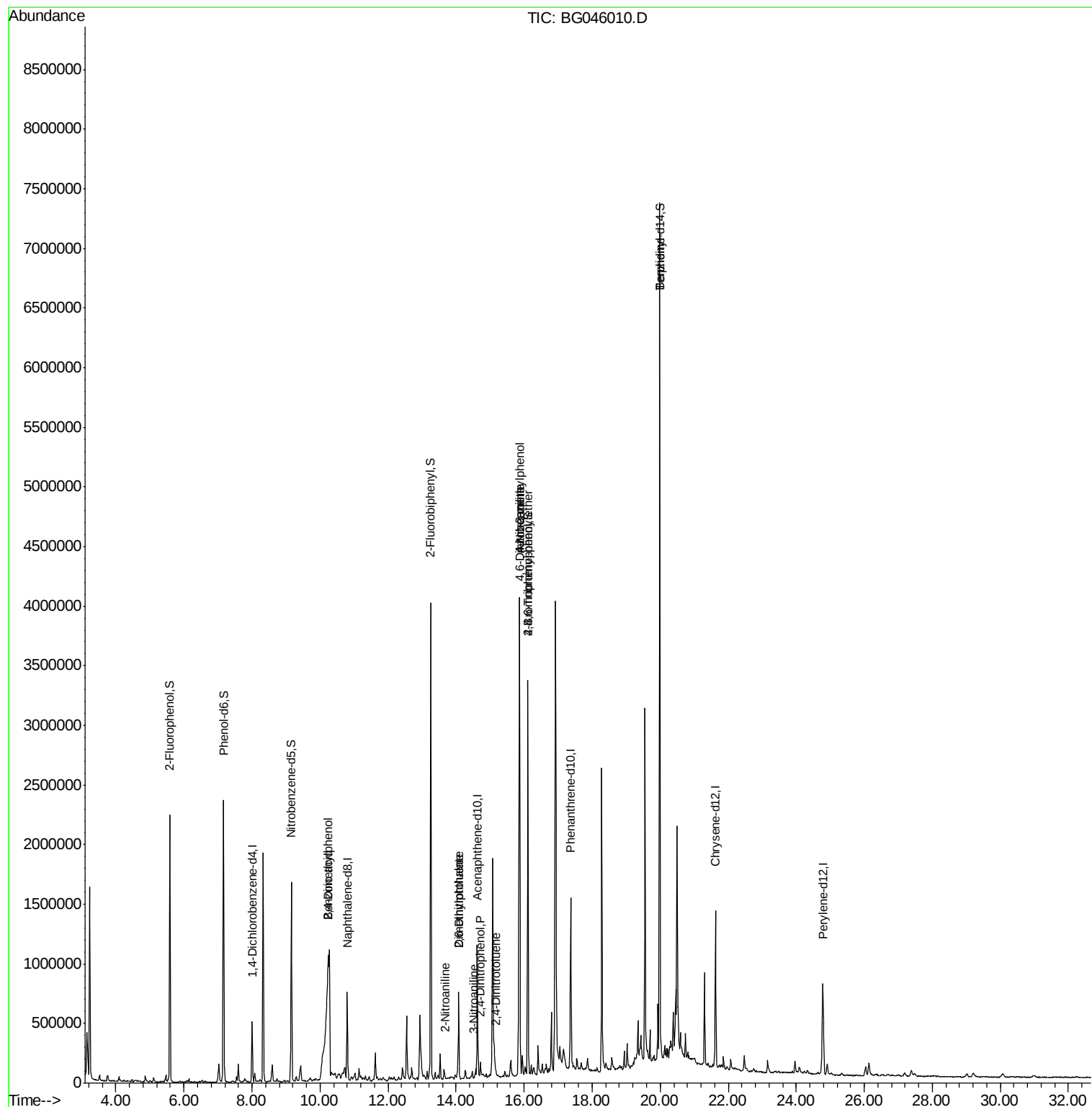
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
27) 2,4-Dimethylphenol	10.23	122	741484	88.149	ng	# 2
32) Benzoic acid	10.23	122	741484	131.275	ng	# 93
48) 2-Nitroaniline	13.68	65	307	3.416	ng	# 57
50) Dimethylphthalate	14.08	163	441047	15.931	ng	# 98
51) 2,6-Dinitrotoluene	14.08	165	5014	4.254	ng	# 30
53) 3-Nitroaniline	14.52	138	714	3.093	ng	# 76
54) 2,4-Dinitrophenol	14.71	184	299	6.260	ng	# 1
57) 2,4-Dinitrotoluene	15.18	165	2004	4.254	ng	# 55
62) 4-Nitroaniline	15.86	138	24820	4.338	ng	# 1
63) Azobenzene	15.87	77	200568	6.436	ng	# 35
65) 4,6-Dinitro-2-methylphenol	15.86	198	229	6.862	ng	# 1
67) 4-Bromophenyl-phenylether	16.11	248	37161	4.148	ng	# 1
77) Benzidine	19.99	184	61028	3.029	ng	# 90

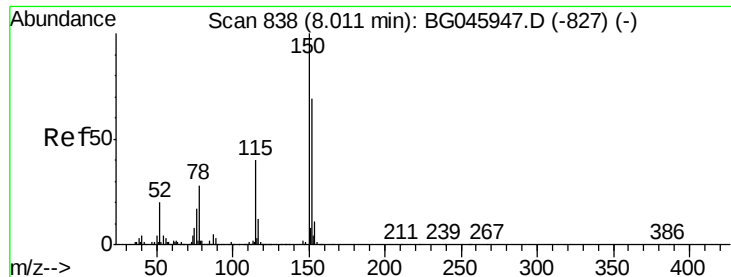
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.00 min Scan# 837

Delta R.T. -0.01 min

Lab File: BG046010.D

Acq: 10 Jul 2020 17:09

Instrument :

BNA_G

ClientSampleId :

E3-41-COMP-1-FLOOR

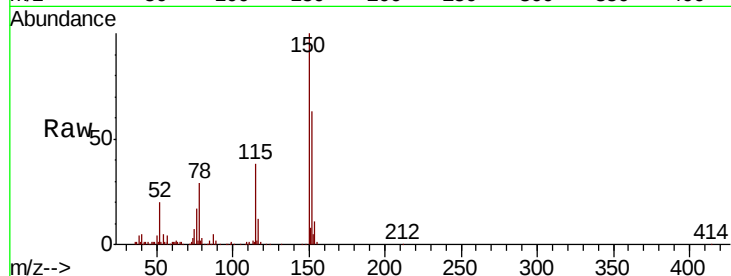
Tot Ion:152 Resp: 137058

Ion Ratio Lower Upper

152 100

150 158.2 116.7 175.1

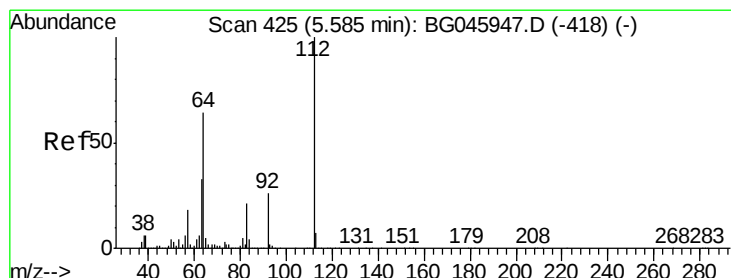
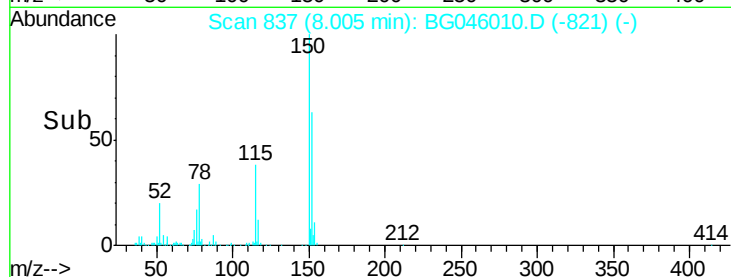
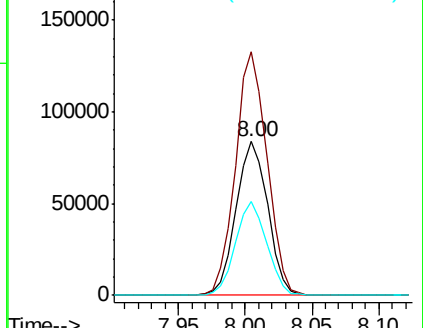
115 60.6 47.4 71.0



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: 116.907 ng

RT: 5.58 min Scan# 425

Delta R.T. 0.00 min

Lab File: BG046010.D

Acq: 10 Jul 2020 17:09

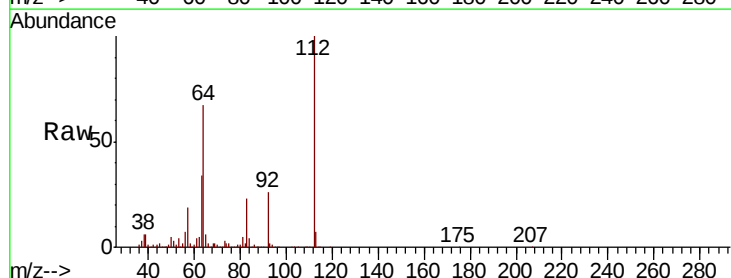
Tgt Ion:112 Resp: 988061

Ion Ratio Lower Upper

112 100

64 66.9 51.4 77.2

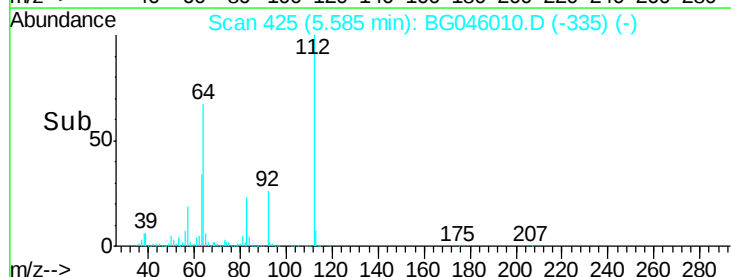
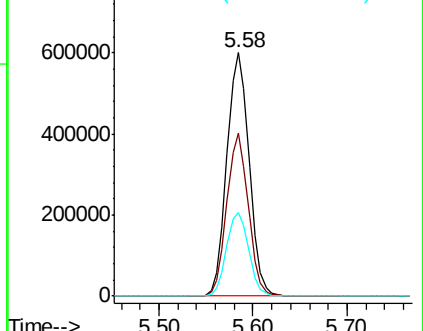
63 34.3 26.6 40.0

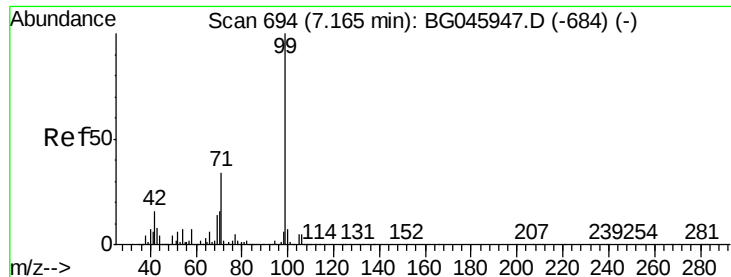


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 116.734 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG046010.D

Acq: 10 Jul 2020 17:09

Instrument :

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E3-41-COMP-1-FLOOR

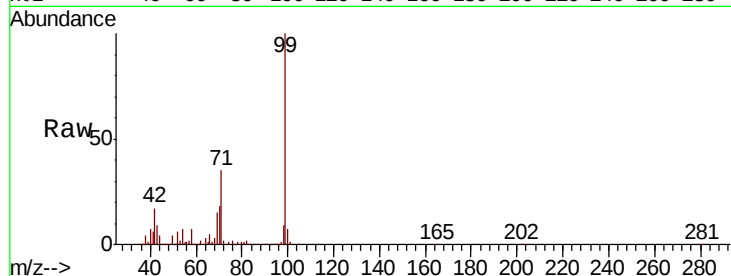
Tot Ion: 99 Resp: 1420413

Ion Ratio Lower Upper

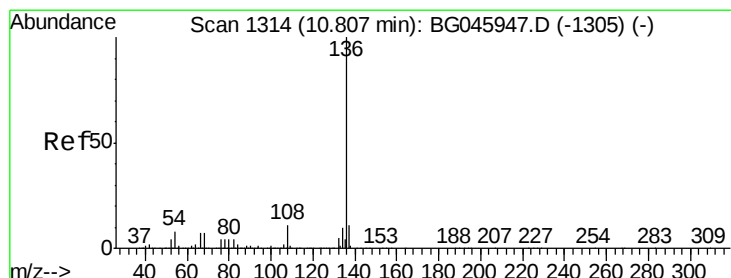
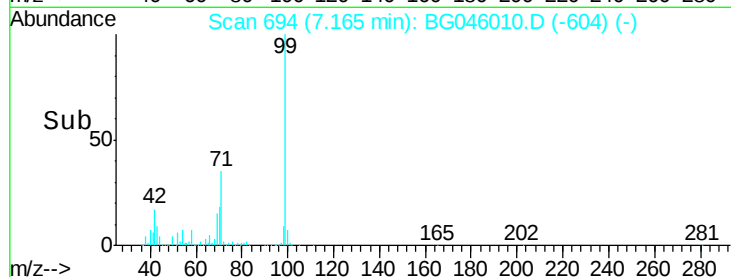
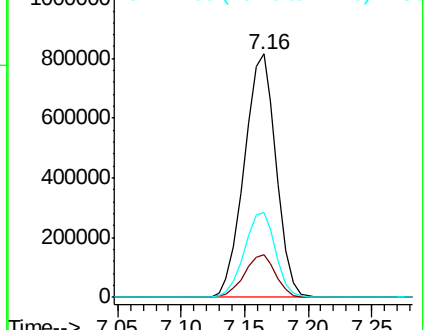
99 100

42 17.4 13.0 19.4

71 35.0 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.80 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BG046010.D

Acq: 10 Jul 2020 17:09

Tgt Ion: 136 Resp: 557184

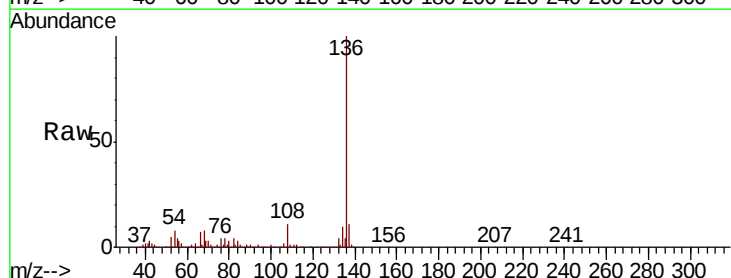
Ion Ratio Lower Upper

136 100

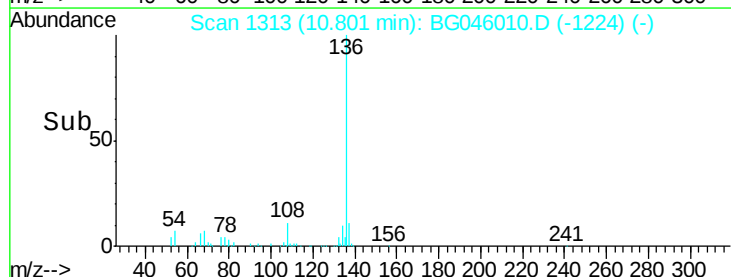
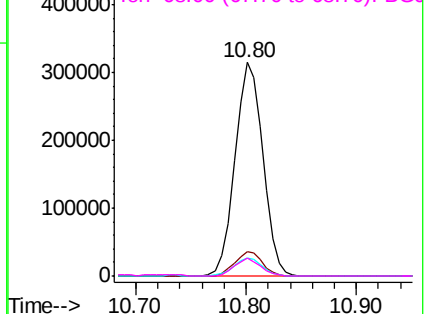
137 11.4 9.2 13.8

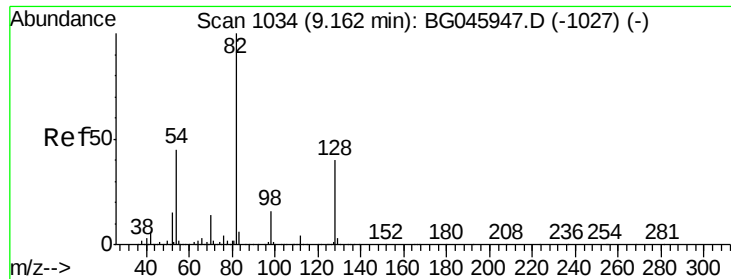
54 8.4 6.2 9.4

68 8.2 5.8 8.8



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

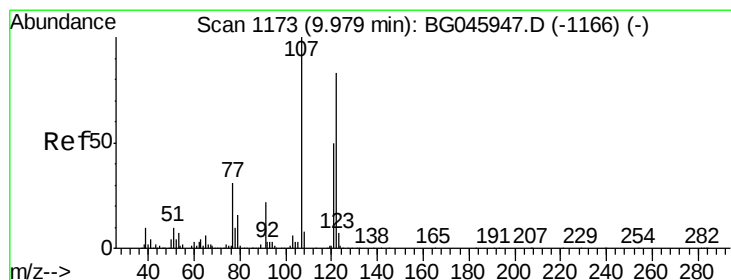
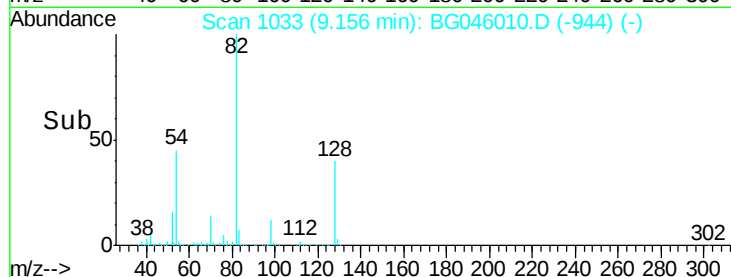
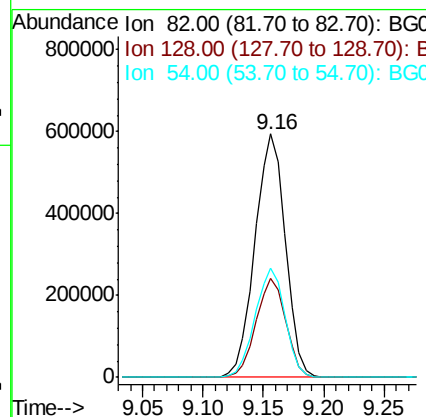
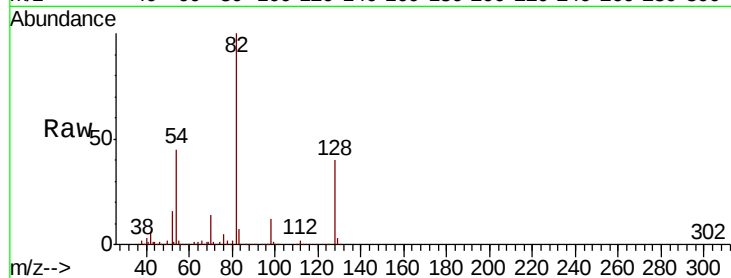




#23
Nitrobenzene-d5
Concen: 108.184 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG046010.D
Acq: 10 Jul 2020 17:09

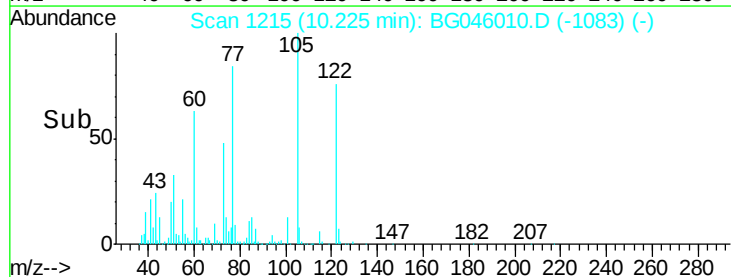
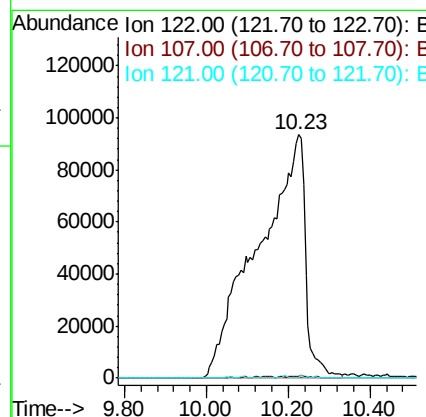
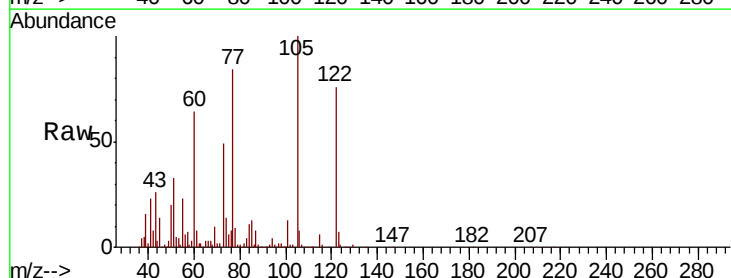
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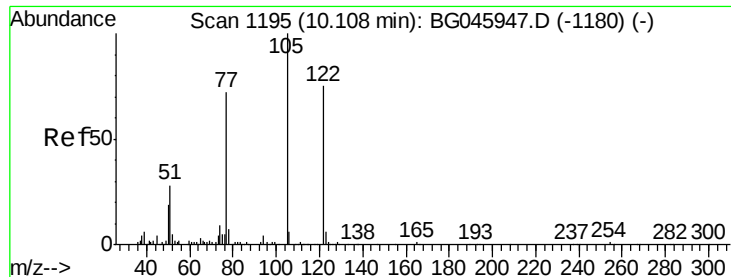
Tot Ion: 82 Resp: 1047261
Ion Ratio Lower Upper
82 100
128 40.5 32.2 48.4
54 44.7 35.8 53.6



#27
2,4-Dimethylphenol
Concen: 88.149 ng
RT: 10.23 min Scan# 1215
Delta R.T. 0.25 min
Lab File: BG046010.D
Acq: 10 Jul 2020 17:09

Tgt Ion: 122 Resp: 741484
Ion Ratio Lower Upper
122 100
107 0.8 95.6 143.4#
121 0.0 47.7 71.5#

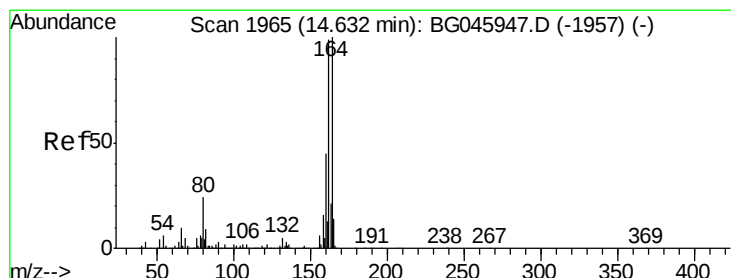
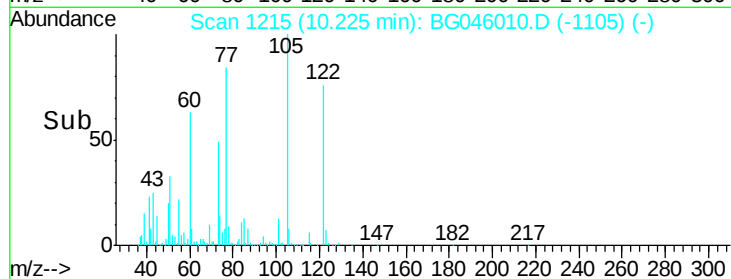
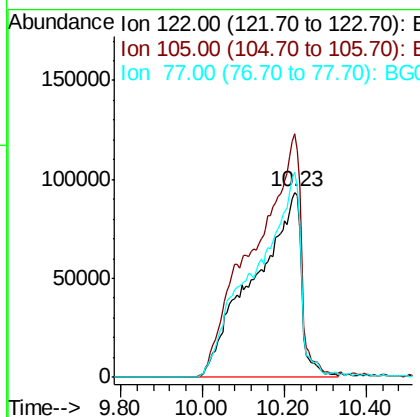
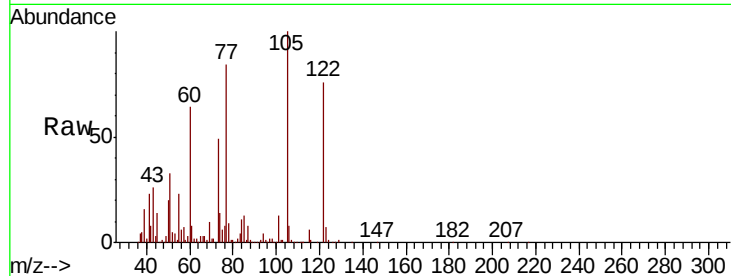




#32
Benzoic acid
Concen: 131.275 ng
RT: 10.23 min Scan# 1215
Delta R.T. 0.12 min
Lab File: BG046010.D
Acq: 10 Jul 2020 17:09

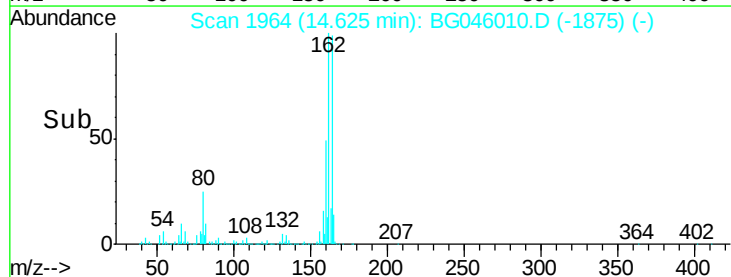
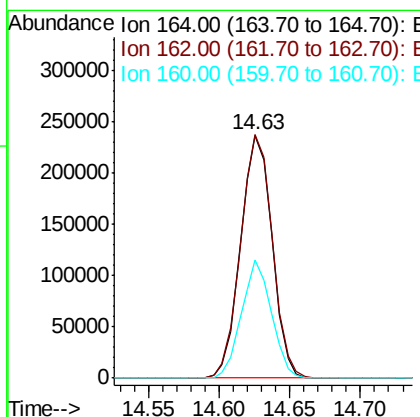
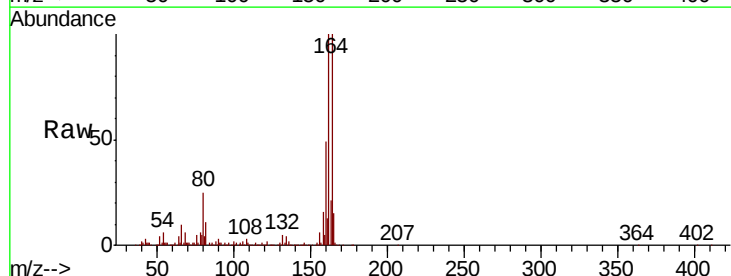
Instrument :
BNA_G
ClientSampleId :
E3-41-COMP-1-FLOOR

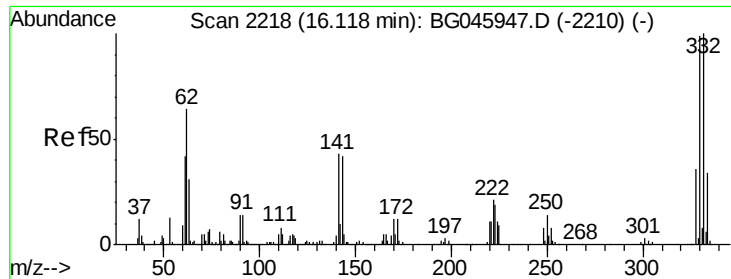
Tot Ion:122 Resp: 741484
Ion Ratio Lower Upper
122 100
105 131.5 110.8 150.8
77 110.8 76.4 116.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BG046010.D
Acq: 10 Jul 2020 17:09

Tgt Ion:164 Resp: 368892
Ion Ratio Lower Upper
164 100
162 100.2 79.3 118.9
160 48.8 35.7 53.5

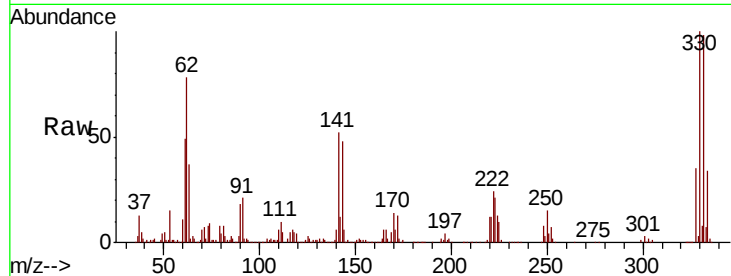




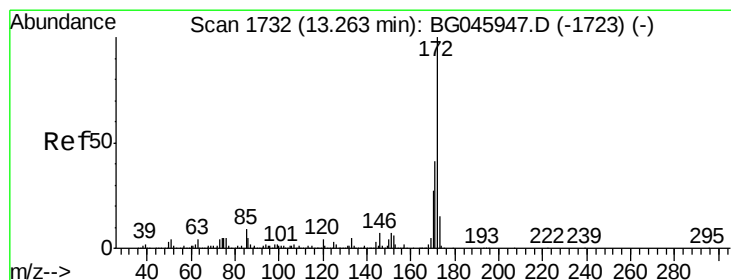
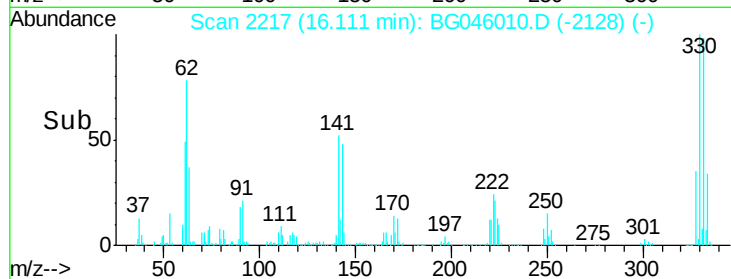
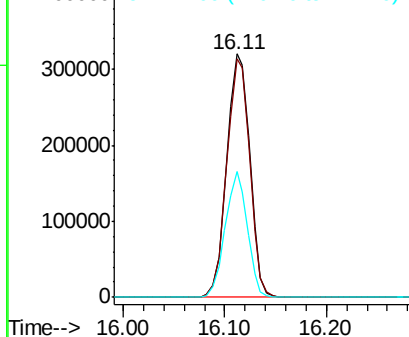
#42
 2,4,6-Tribromophenol
 Concen: 147.220 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.01 min
 Lab File: BG046010.D
 Acq: 10 Jul 2020 17:09

Instrument :
 BNA_G
 ClientSampleId :
 E3-41-COMP-1-FLOOR

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	78.3	117.5
141	49.4	36.6	54.8

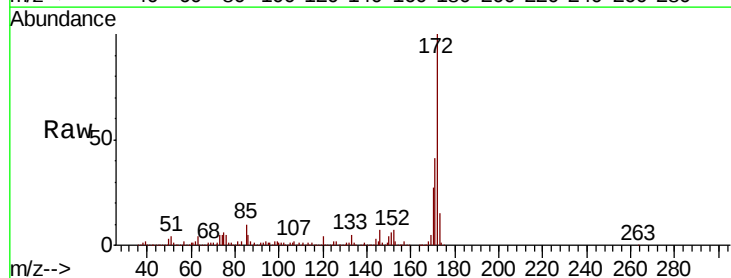


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

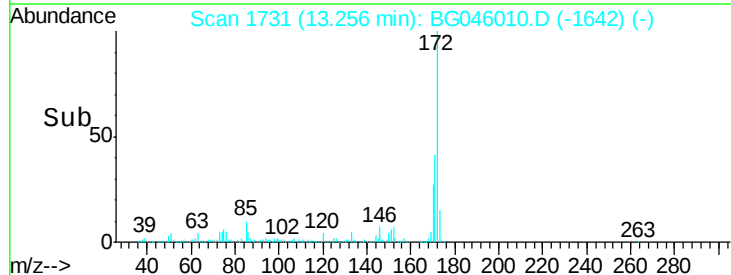
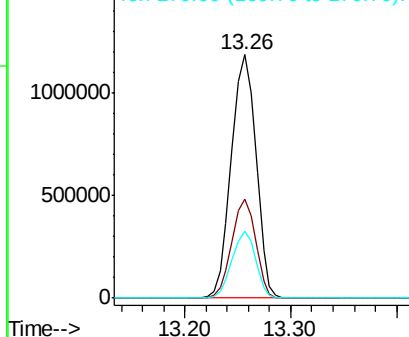


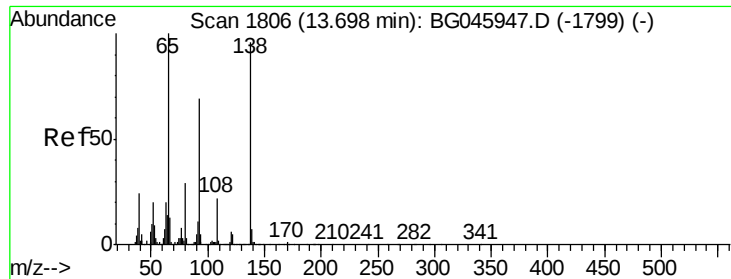
#45
 2-Fluorobiphenyl
 Concen: 81.124 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG046010.D
 Acq: 10 Jul 2020 17:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.6	32.9	49.3
170	27.5	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

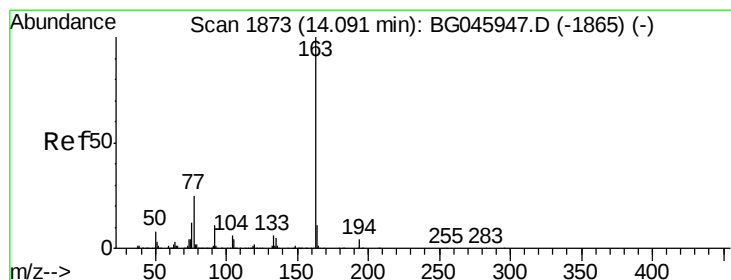
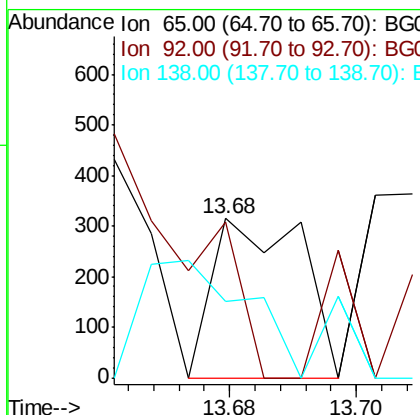
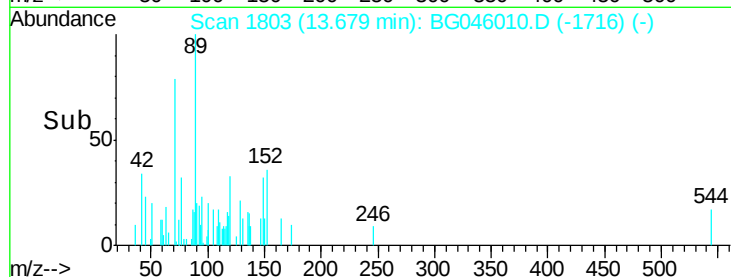
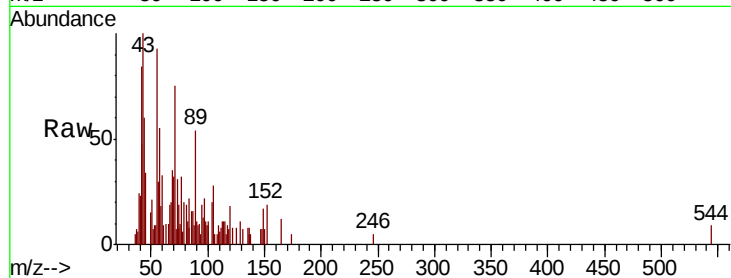




#48
2-Nitroaniline
Concen: 3.416 ng
RT: 13.68 min Scan# 1803
Delta R.T. -0.02 min
Lab File: BG046010.D
Acq: 10 Jul 2020 17:09

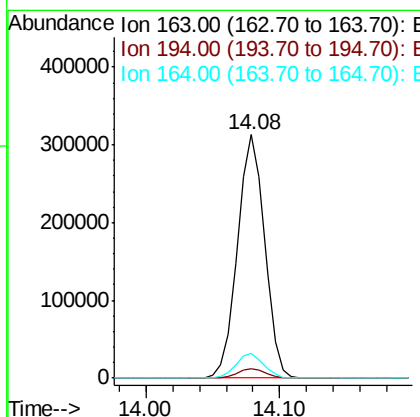
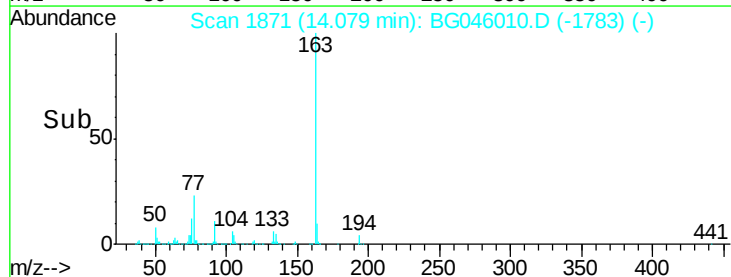
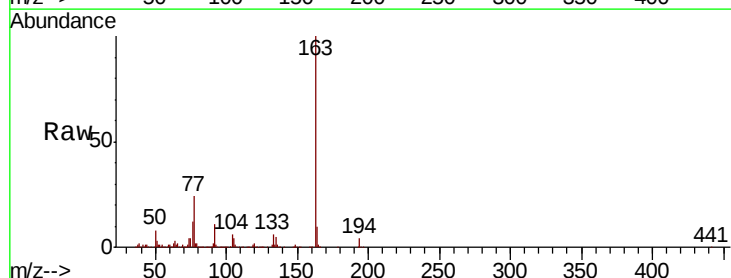
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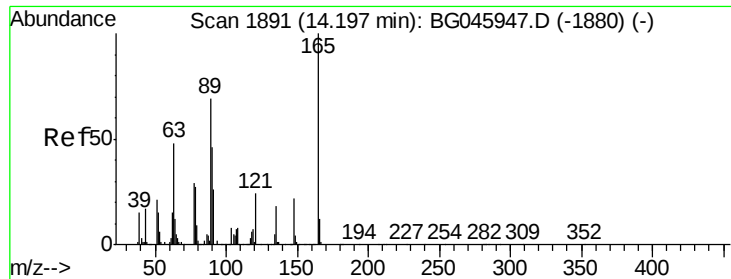
Tot Ion: 65 Resp: 307
Ion Ratio Lower Upper
65 100
92 97.8 55.4 83.0#
138 47.9 77.0 115.4#



#50
Dimethylphthalate
Concen: 15.931 ng
RT: 14.08 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BG046010.D
Acq: 10 Jul 2020 17:09

Tgt Ion: 163 Resp: 441047
Ion Ratio Lower Upper
163 100
194 3.6 3.6 5.4
164 10.3 8.9 13.3

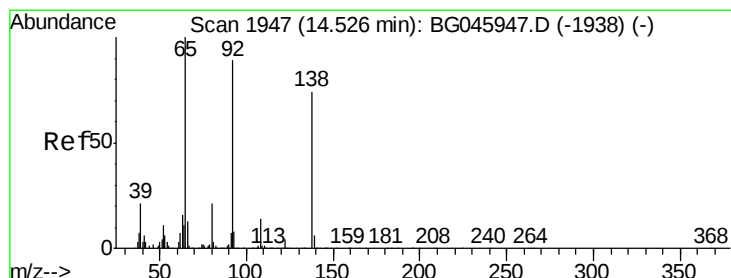
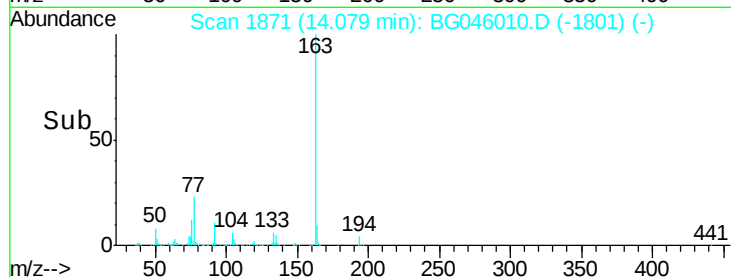
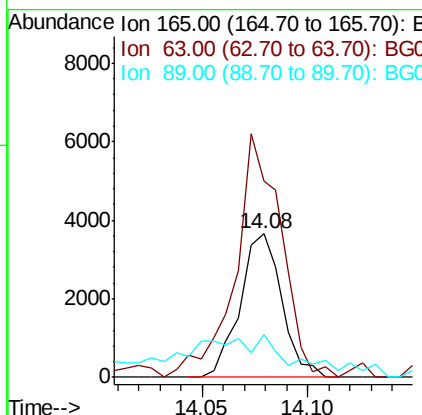
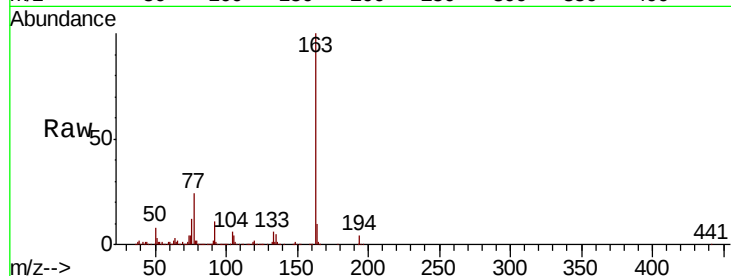




#51
 2,6-Dinitrotoluene
 Concen: 4.254 ng
 RT: 14.08 min Scan# 1871
 Delta R.T. -0.12 min
 Lab File: BG046010.D
 Acq: 10 Jul 2020 17:09

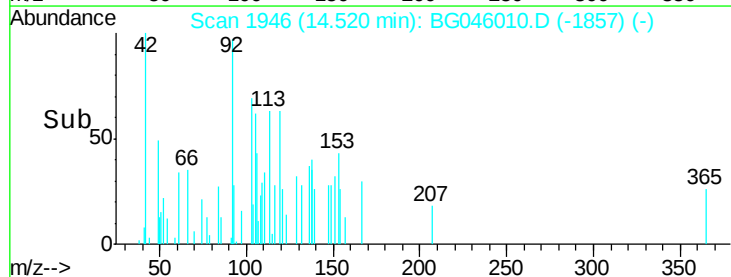
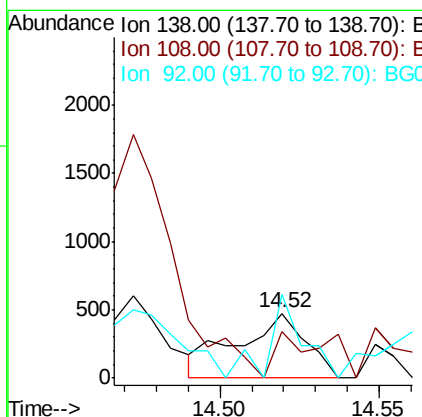
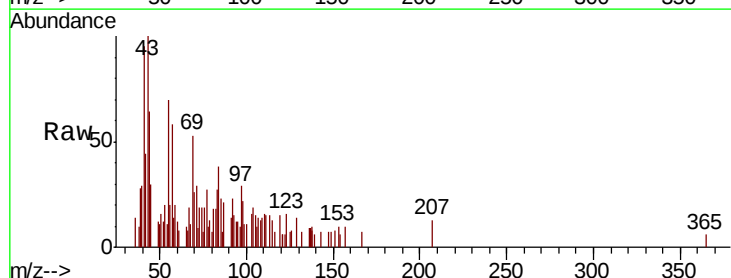
Instrument :
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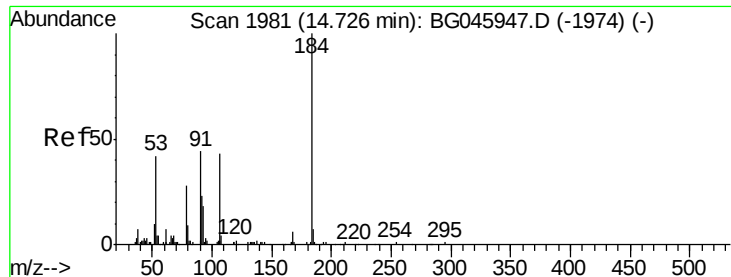
Tot Ion:165 Resp: 5014
 Ion Ratio Lower Upper
 165 100
 63 136.7 51.0 76.4#
 89 29.4 55.7 83.5#



#53
 3-Nitroaniline
 Concen: 3.093 ng
 RT: 14.52 min Scan# 1946
 Delta R.T. -0.01 min
 Lab File: BG046010.D
 Acq: 10 Jul 2020 17:09

Tgt Ion:138 Resp: 714
 Ion Ratio Lower Upper
 138 100
 108 72.2 15.4 23.2#
 92 129.4 95.9 143.9

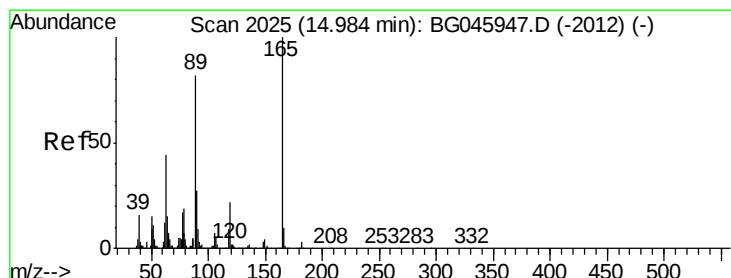
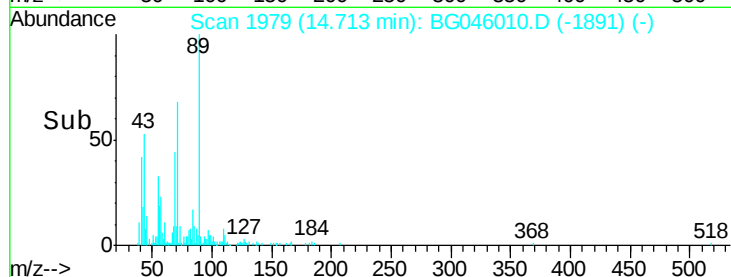
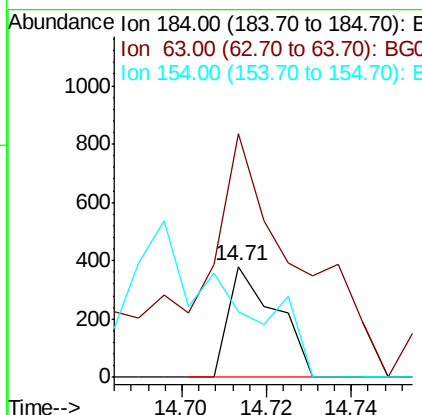
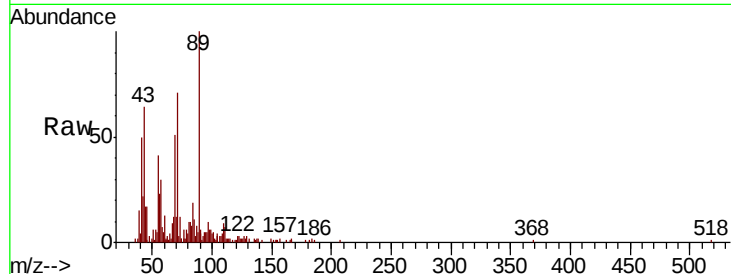




#54
2,4-Dinitrophenol
Concen: 6.260 ng
RT: 14.71 min Scan# 1979
Delta R.T. -0.01 min
Lab File: BG046010.D
Acq: 10 Jul 2020 17:09

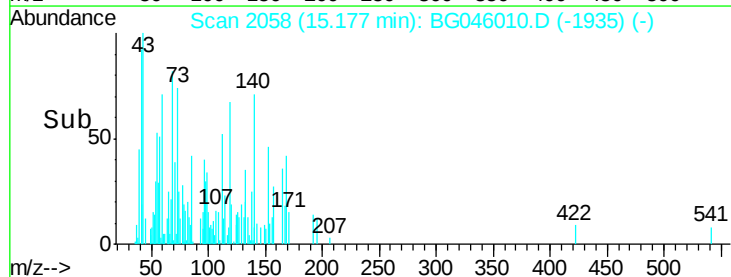
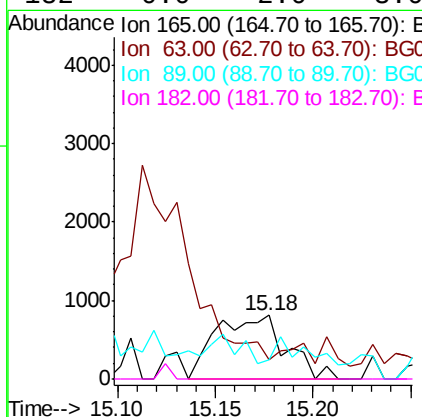
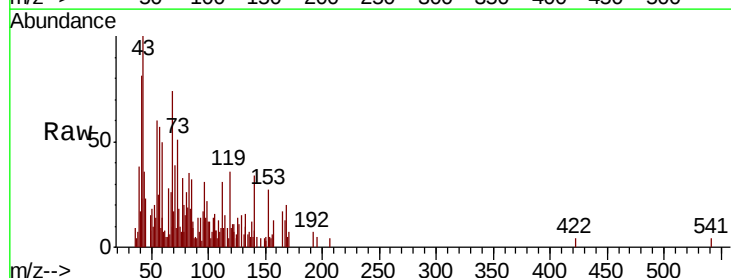
Instrument :
BNA_G
ClientSampleId :
E3-41-COMP-1-FLOOR

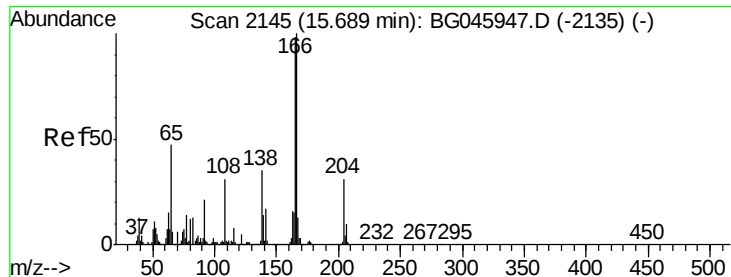
Tot Ion:184 Resp: 299
Ion Ratio Lower Upper
184 100
63 219.2 46.0 69.0#
154 59.3 58.2 87.2



#57
2,4-Dinitrotoluene
Concen: 4.254 ng
RT: 15.18 min Scan# 2058
Delta R.T. 0.19 min
Lab File: BG046010.D
Acq: 10 Jul 2020 17:09

Tgt Ion:165 Resp: 2004
Ion Ratio Lower Upper
165 100
63 29.4 35.4 53.0#
89 29.4 65.4 98.2#
182 0.0 2.0 3.0#





#62

4-Nitroaniline

Concen: 4.338 ng

RT: 15.86 min Scan# 2175

Delta R.T. 0.18 min

Lab File: BG046010.D

Acq: 10 Jul 2020 17:09

Instrument :

BNA_G

ClientSampleId :

E3-41-COMP-1-FLOOR

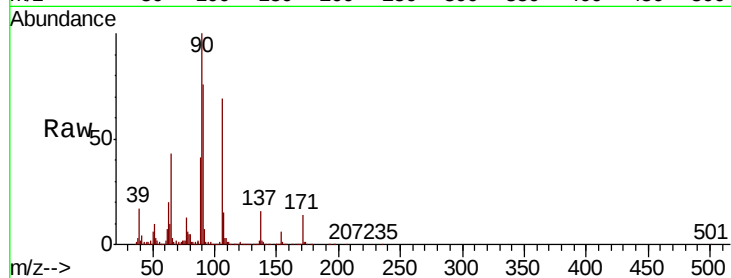
Tot Ion:138 Resp: 24820

Ion Ratio Lower Upper

138 100

92 386.8 40.3 80.3#

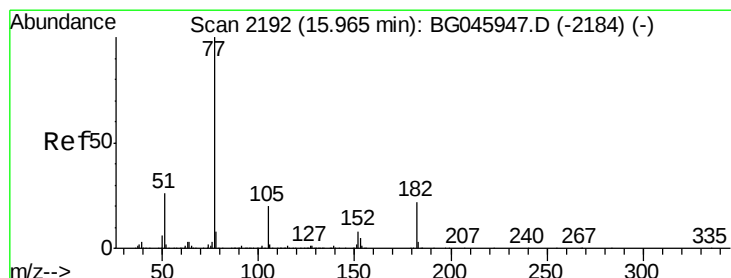
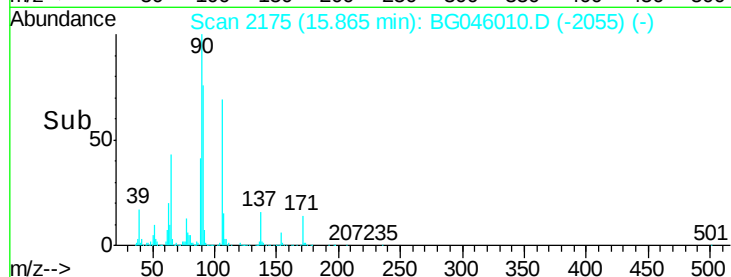
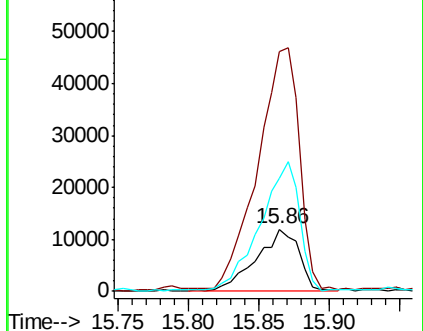
108 181.1 68.0 108.0#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E



#63

Azobenzene

Concen: 6.436 ng

RT: 15.87 min Scan# 2176

Delta R.T. -0.09 min

Lab File: BG046010.D

Acq: 10 Jul 2020 17:09

Tgt Ion: 77 Resp: 200568

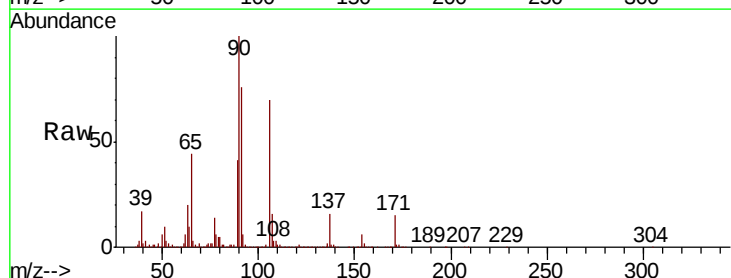
Ion Ratio Lower Upper

77 100

182 0.0 2.4 42.4#

105 0.0 0.3 40.3#

51 75.6 6.3 46.3#

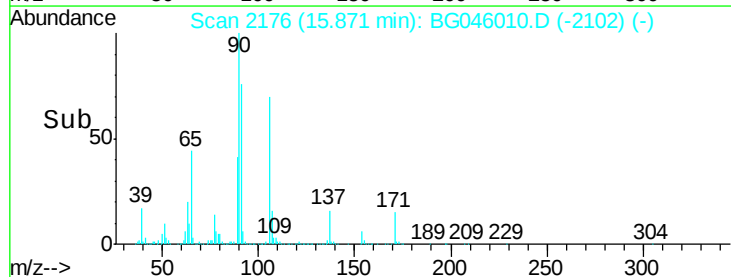
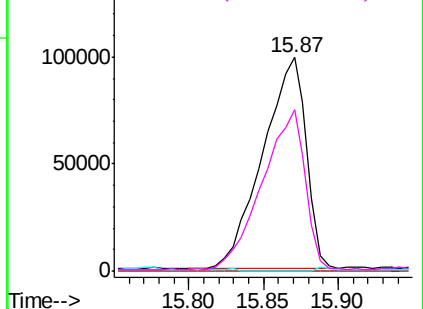


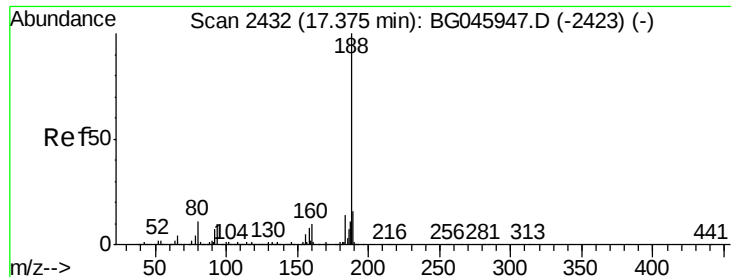
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BG046010.D

Acq: 10 Jul 2020 17:09

Instrument :

BNA_G

ClientSampleId :

E3-41-COMP-1-FLOOR

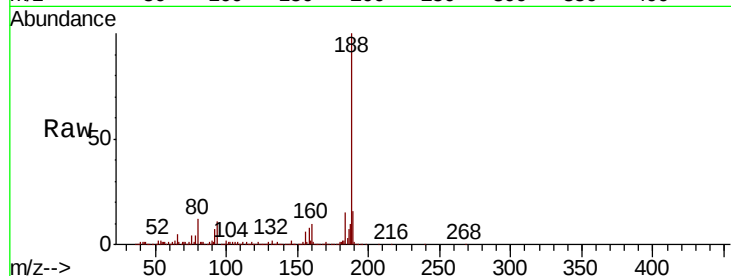
Tot Ion:188 Resp: 802066

Ion Ratio Lower Upper

188 100

94 11.3 8.2 12.4

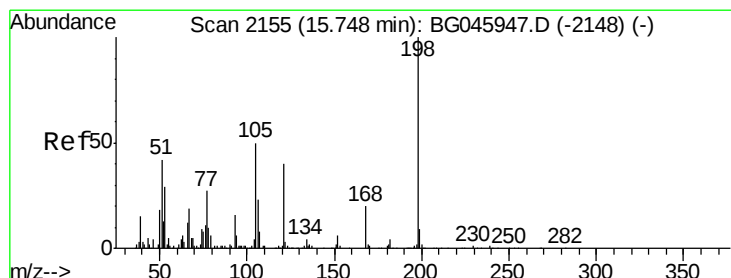
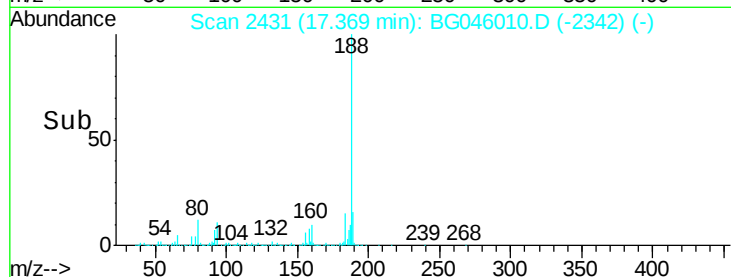
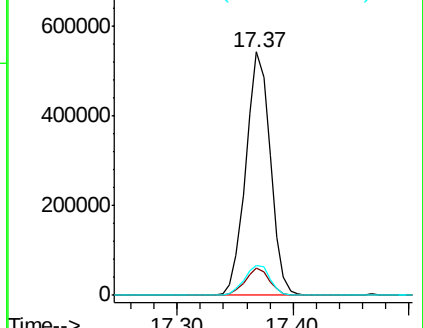
80 12.1 9.0 13.6



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: 6.862 ng

RT: 15.86 min Scan# 2174

Delta R.T. 0.11 min

Lab File: BG046010.D

Acq: 10 Jul 2020 17:09

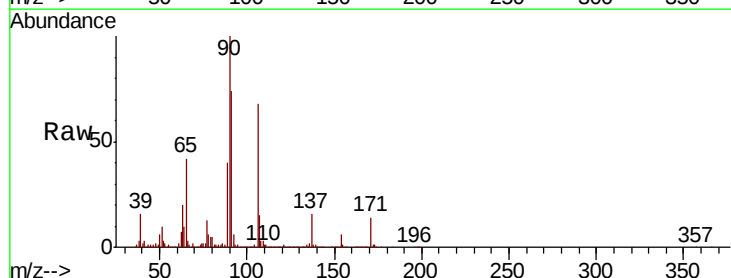
Tgt Ion:198 Resp: 229

Ion Ratio Lower Upper

198 100

51 23750.8 24.5 64.5#

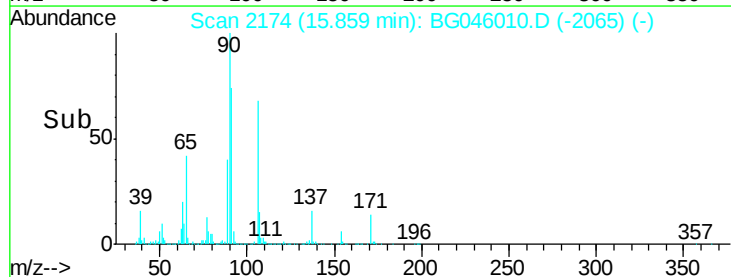
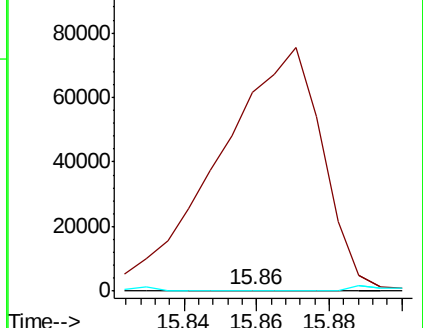
105 0.0 30.9 70.9#

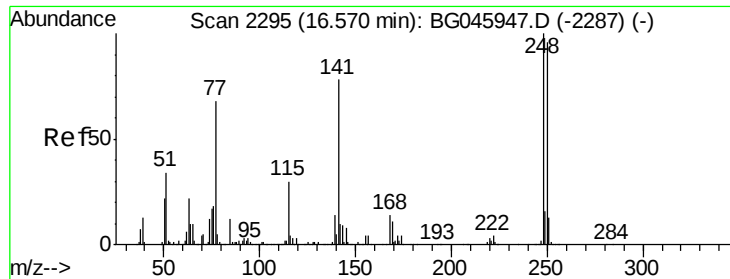


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

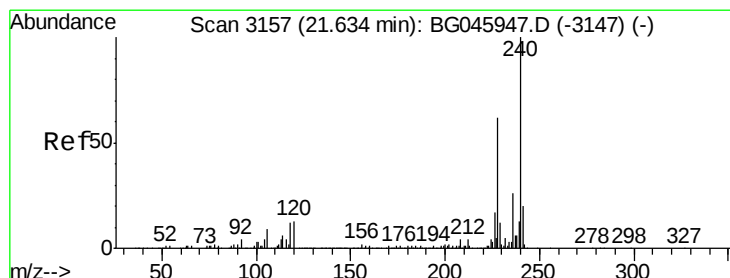
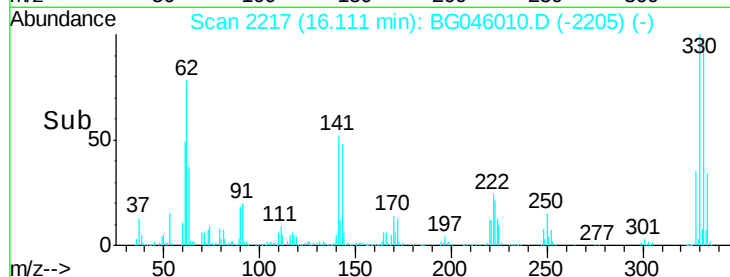
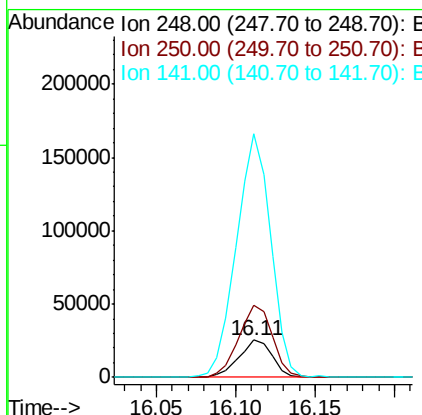
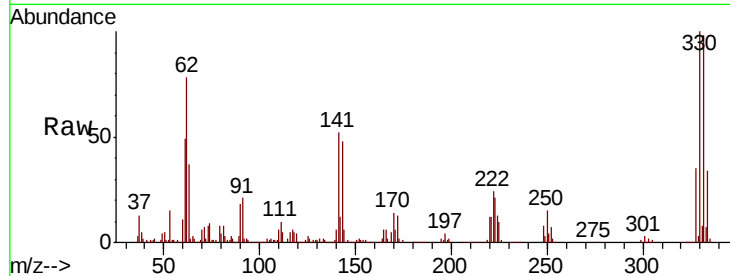




#67
4-Bromophenyl-phenylether
Concen: 4.148 ng
RT: 16.11 min Scan# 2217
Delta R.T. -0.46 min
Lab File: BG046010.D
Acq: 10 Jul 2020 17:09

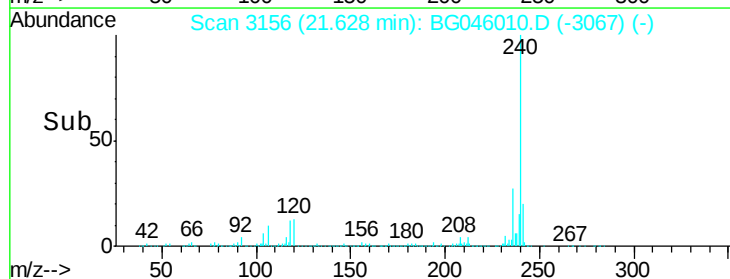
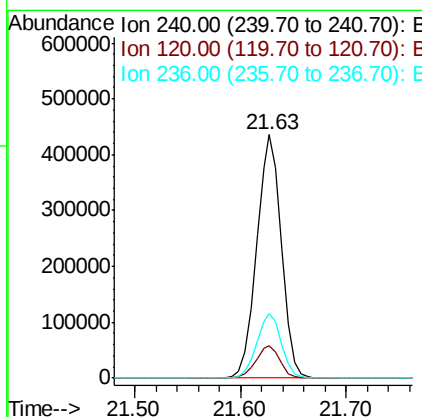
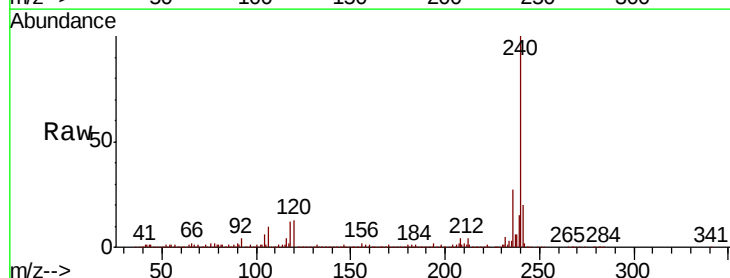
Instrument :
BNA_G
ClientSampleId :
E3-41-COMP-1-FLOOR

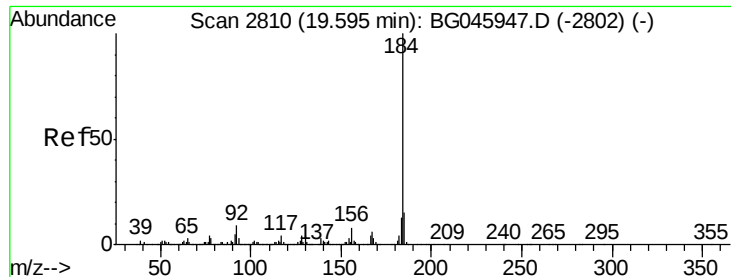
Tot Ion:248 Resp: 37161
Ion Ratio Lower Upper
248 100
250 196.2 76.6 114.8#
141 656.8 62.7 94.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.01 min
Lab File: BG046010.D
Acq: 10 Jul 2020 17:09

Tgt Ion:240 Resp: 704761
Ion Ratio Lower Upper
240 100
120 13.5 10.6 16.0
236 26.6 20.4 30.6





#77

Benzidine

Concen: 3.029 ng

RT: 19.99 min Scan# 2877

Delta R.T. 0.39 min

Lab File: BG046010.D

Acq: 10 Jul 2020 17:09

Instrument :

BNA_G

ClientSampleId :

E3-41-COMP-1-FLOOR

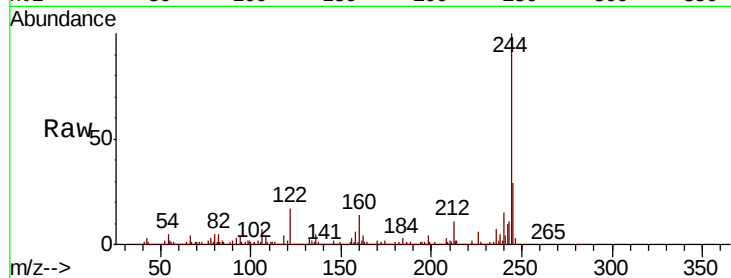
Tot Ion:184 Resp: 61028

Ion Ratio Lower Upper

184 100

185 16.8 11.6 17.4

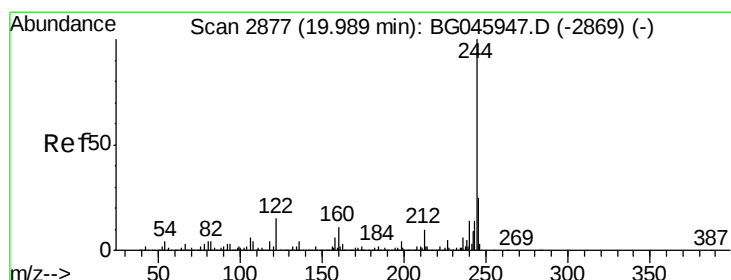
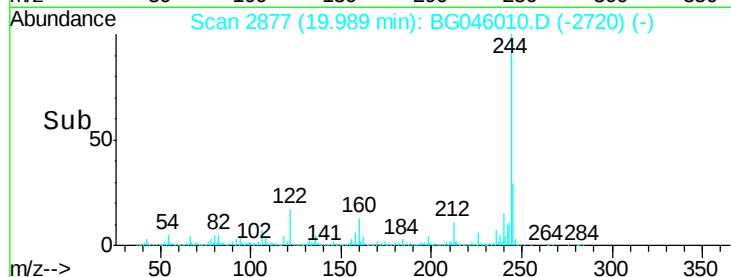
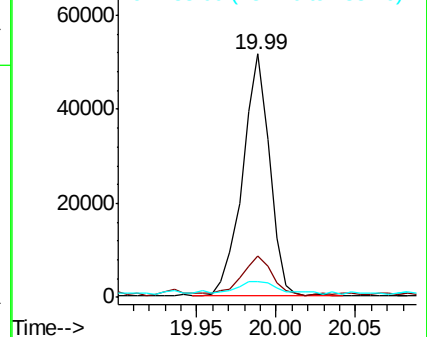
183 6.7 10.4 15.6#



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: 84.499 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG046010.D

Acq: 10 Jul 2020 17:09

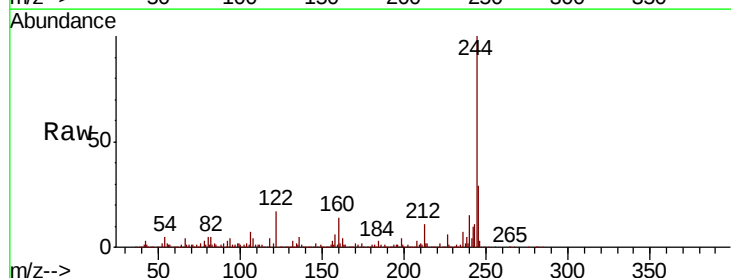
Tgt Ion:244 Resp: 2675873

Ion Ratio Lower Upper

244 100

212 11.5 8.3 12.5

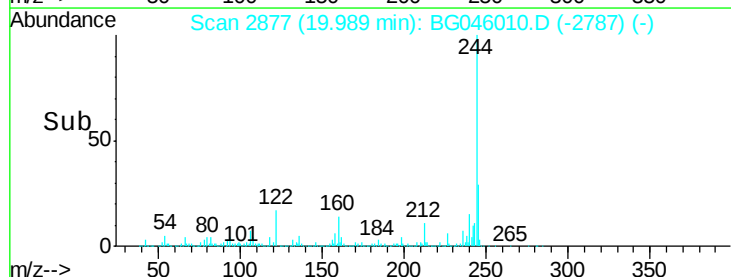
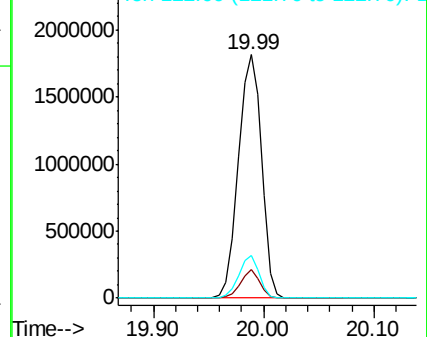
122 17.3 12.1 18.1

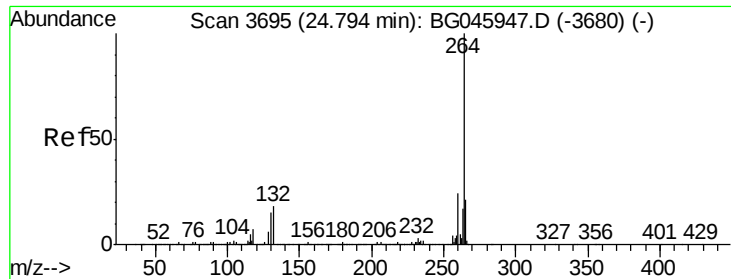


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

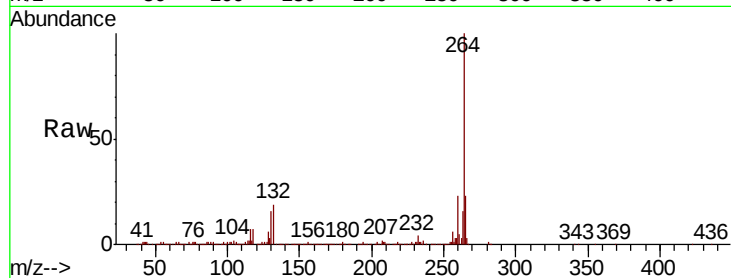




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.78 min Scan# 3693
Delta R.T. -0.01 min
Lab File: BG046010.D
Acq: 10 Jul 2020 17:09

Instrument :
BNA_G
ClientSampleId :
E3-41-COMP-1-FLOOR

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.0	28.6
265	23.1	16.9	25.3



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

