

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071420\
 Data File : BG046035.D
 Acq On : 14 Jul 2020 16:26
 Operator : CG/JU
 Sample : L3283-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP

Quant Time: Jul 14 17:09:19 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	8.00	152	128339	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	504341	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	291653	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	639451	20.00	ng	0.00
76) Chrysene-d12	21.62	240	650962	20.00	ng	0.00
86) Perylene-d12	24.77	264	637356	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	853151	107.80	ng	0.00
7) Phenol-d6	7.17	99	1158470	101.67	ng	0.00
23) Nitrobenzene-d5	9.15	82	745508	85.08	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	312660	115.51	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1345393	71.95	ng	0.00
79) Terphenyl-d14	19.98	244	1850614	63.27	ng	0.00

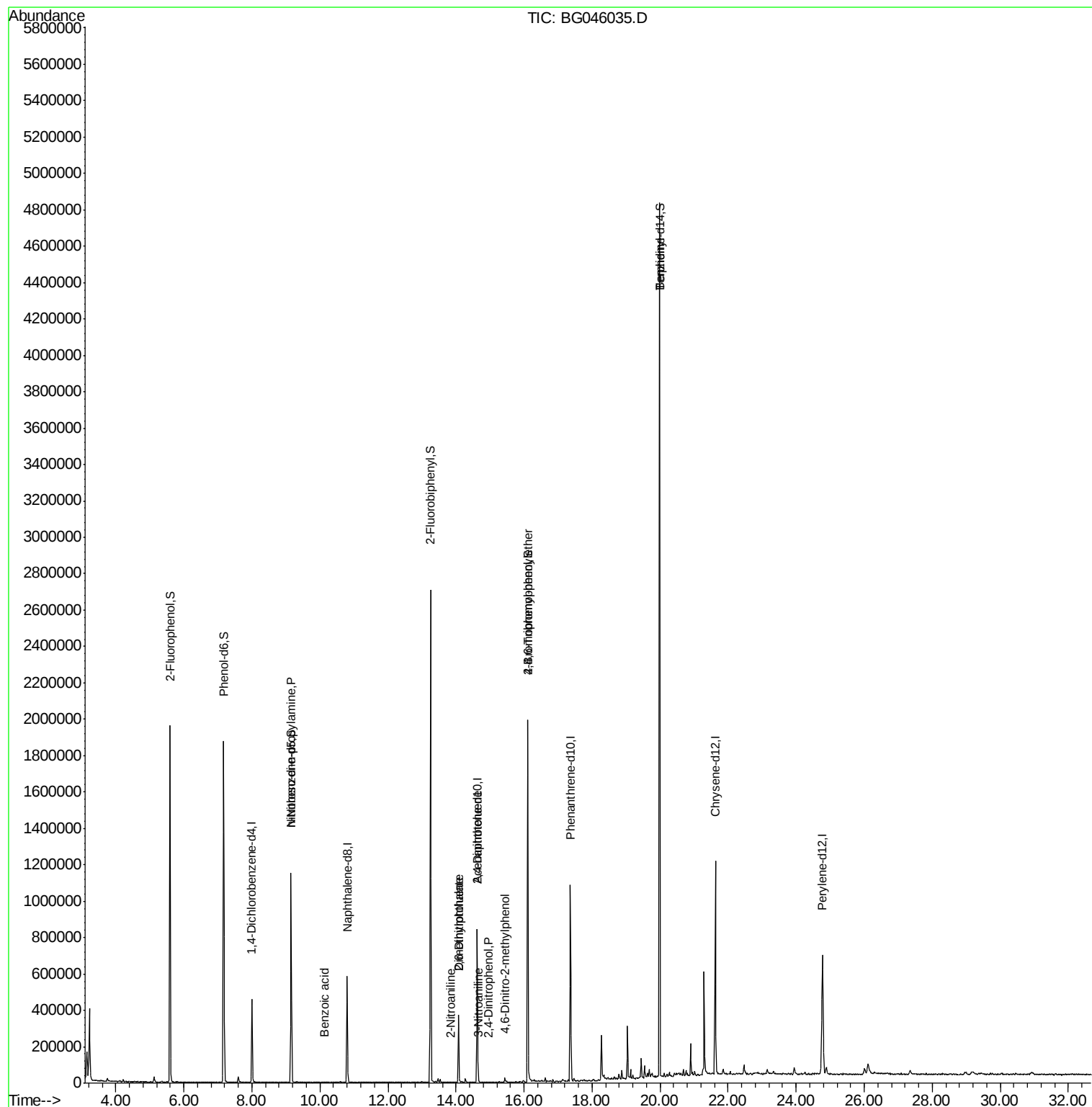
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.15	70	98832	12.347	ng	# 78
32) Benzoic acid	10.13	122	53	6.517	ng	# 54
48) 2-Nitroaniline	13.85	65	144	3.397	ng	# 7
50) Dimethylphthalate	14.07	163	230219	10.518	ng	98
51) 2,6-Dinitrotoluene	14.08	165	2746	3.964	ng	# 30
53) 3-Nitroaniline	14.67	138	55	2.994	ng	# 1
54) 2,4-Dinitrophenol	14.95	184	66	6.152	ng	# 17
57) 2,4-Dinitrotoluene	14.62	165	39334	11.148	ng	# 20
65) 4,6-Dinitro-2-methylphenol	15.44	198	55	6.812	ng	# 1
67) 4-Bromophenyl-phenylether	16.11	248	22029	3.085	ng	# 1
77) Benzidine	19.98	184	37502	2.015	ng	99

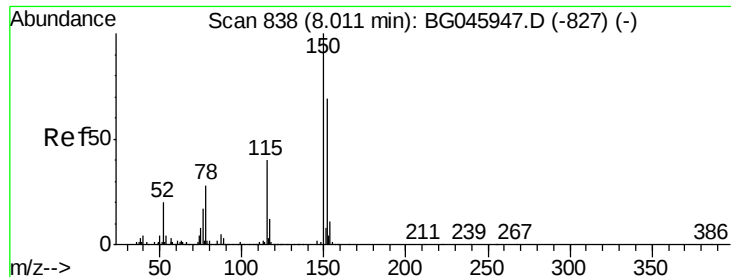
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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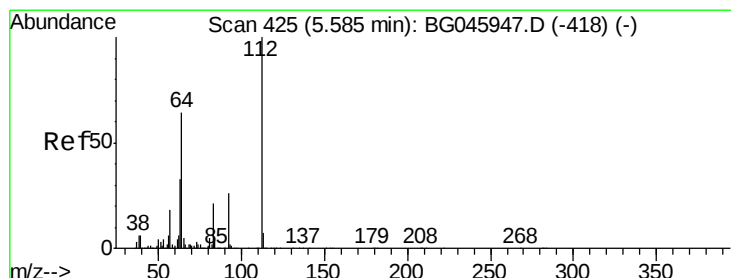
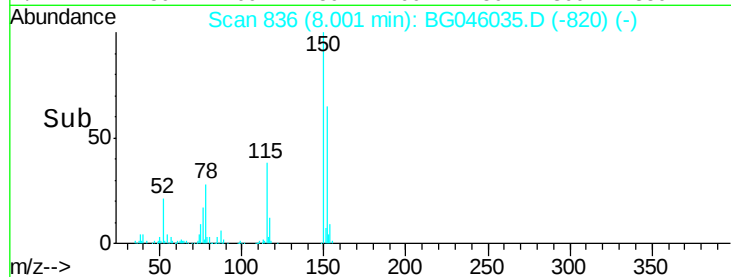
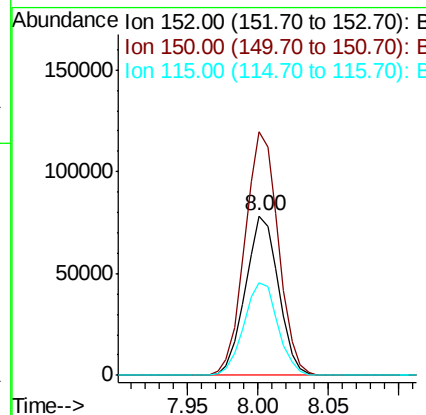
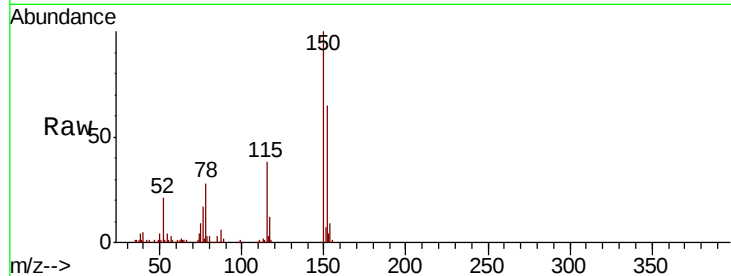


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG046035.D
Acq: 14 Jul 2020 16:26

Instrument :
BNA_G
ClientSampleId :
TP

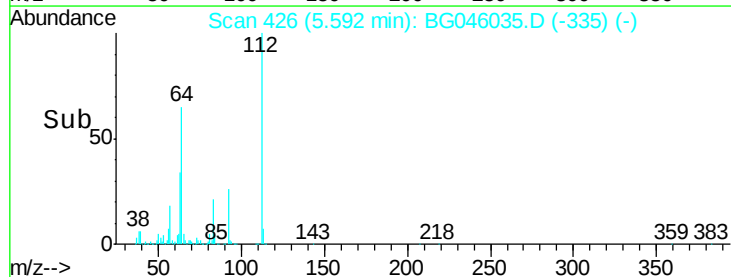
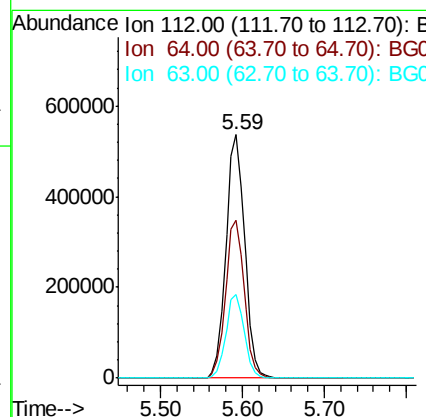
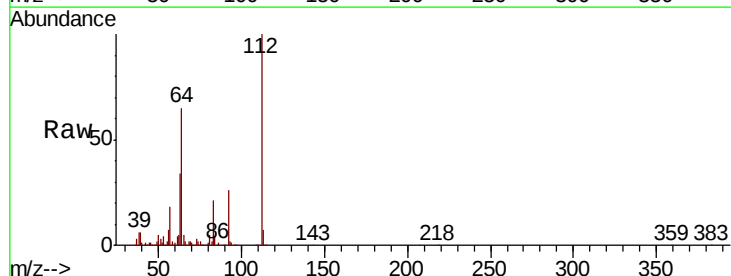
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	116.7	175.1
115	58.0	47.4	71.0

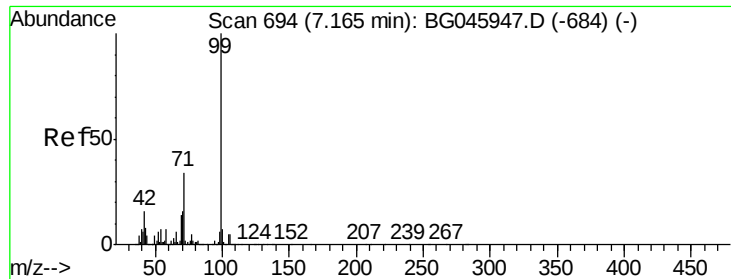


#5

2-Fluorophenol
Concen: 107.802 ng
RT: 5.59 min Scan# 426
Delta R.T. 0.01 min
Lab File: BG046035.D
Acq: 14 Jul 2020 16:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.9	51.4	77.2
63	34.1	26.6	40.0





#7

Phenol-d6

Concen: 101.675 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG046035.D

Acq: 14 Jul 2020 16:26

Instrument :

BNA_G

ClientSampleId :

TP

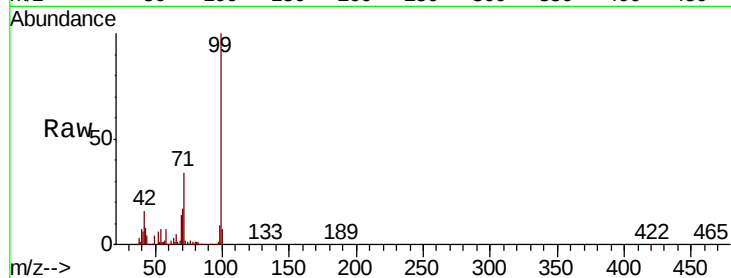
Tot Ion: 99 Resp: 1158470

Ion Ratio Lower Upper

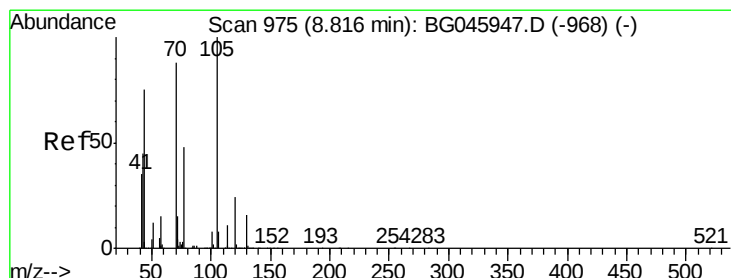
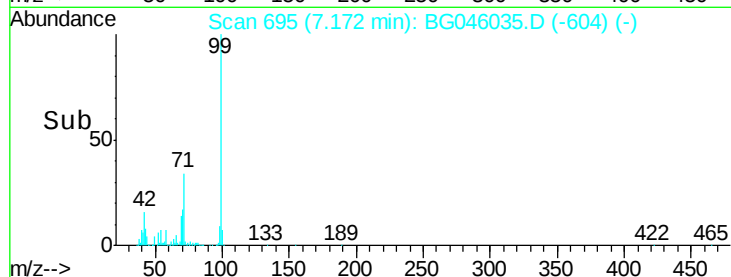
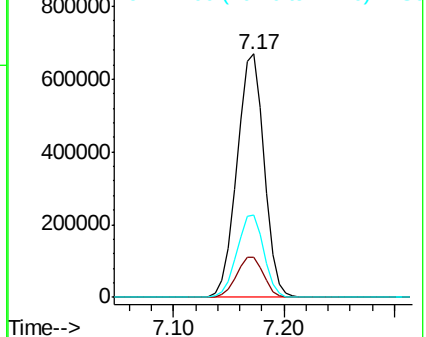
99 100

42 16.3 13.0 19.4

71 33.7 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: 12.347 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.34 min

Lab File: BG046035.D

Acq: 14 Jul 2020 16:26

Tgt Ion: 70 Resp: 98832

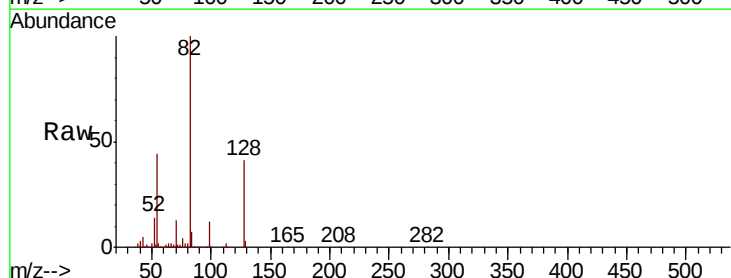
Ion Ratio Lower Upper

70 100

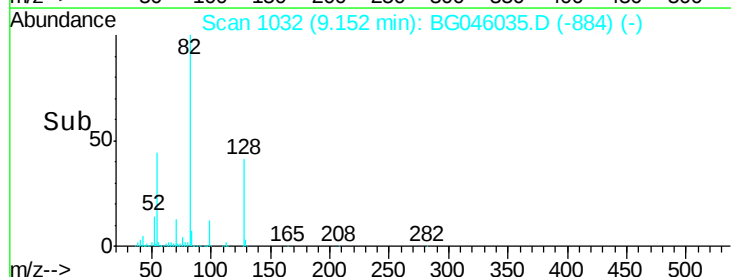
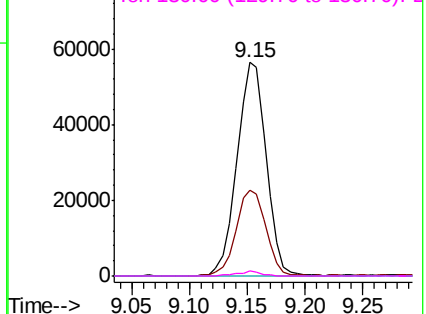
42 40.0 41.4 62.0#

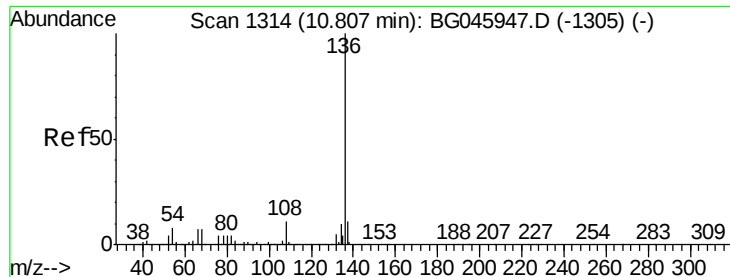
101 0.0 7.1 10.7#

130 2.4 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

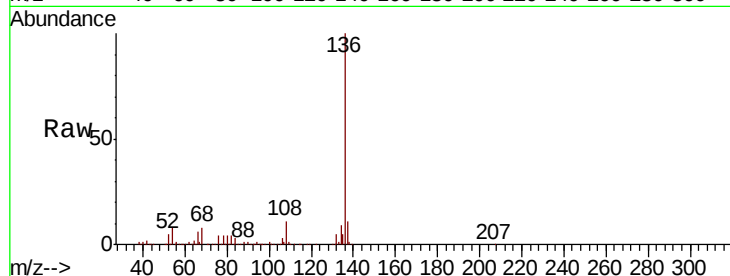




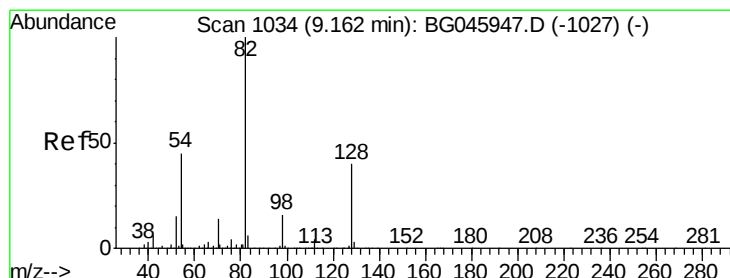
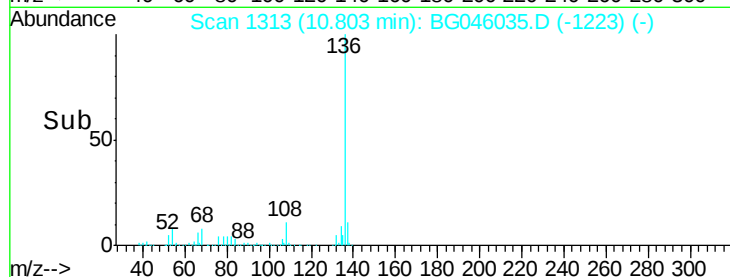
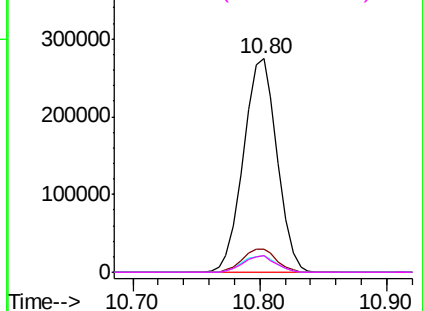
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BG046035.D
Acq: 14 Jul 2020 16:26

Instrument :
BNA_G
ClientSampleId :
TP

Tot Ion:136	Resp: 504341
Ion Ratio	Lower Upper
136 100	
137 11.1	9.2 13.8
54 8.0	6.2 9.4
68 7.9	5.8 8.8

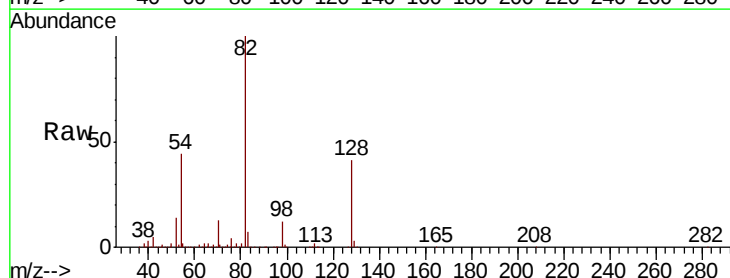


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

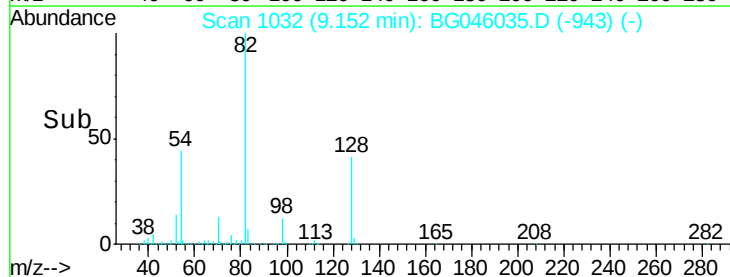
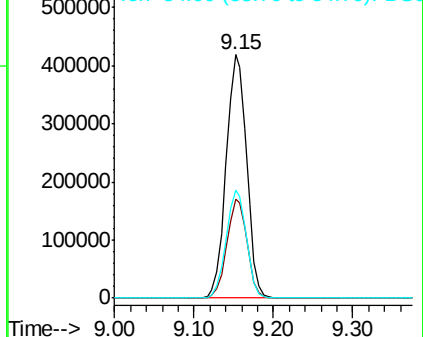


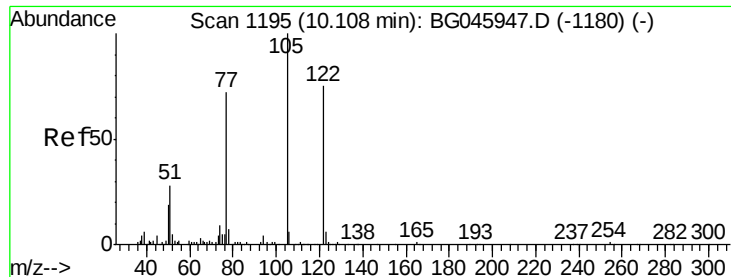
#23
Nitrobenzene-d5
Concen: 85.081 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BG046035.D
Acq: 14 Jul 2020 16:26

Tgt	Ion: 82	Resp:	745508
Ion	Ratio	Lower	Upper
82	100		
128	40.8	32.2	48.4
54	44.1	35.8	53.6



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 6.517 ng

RT: 10.13 min Scan# 1199

Delta R.T. 0.03 min

Lab File: BG046035.D

Acq: 14 Jul 2020 16:26

Instrument :

BNA_G

ClientSampleId :

TP

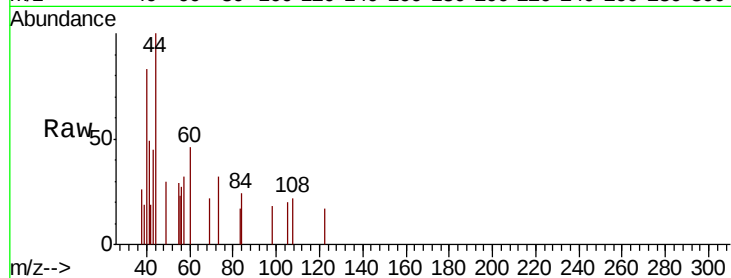
Tot Ion:122 Resp: 53

Ion Ratio Lower Upper

122 100

105 121.2 110.8 150.8

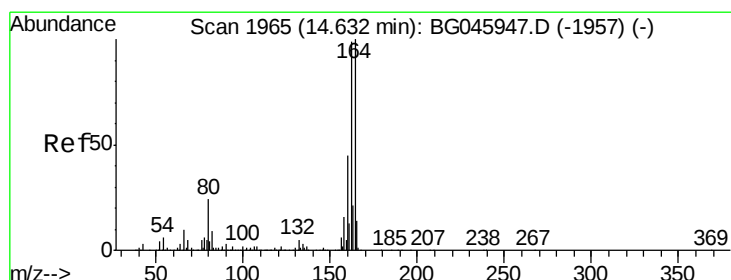
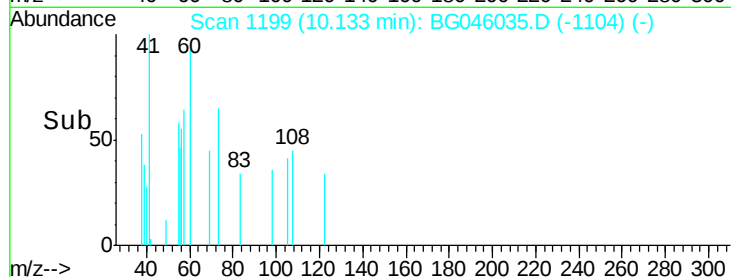
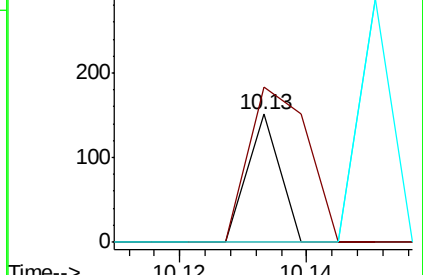
77 0.0 76.4 116.4#



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): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.00 min

Lab File: BG046035.D

Acq: 14 Jul 2020 16:26

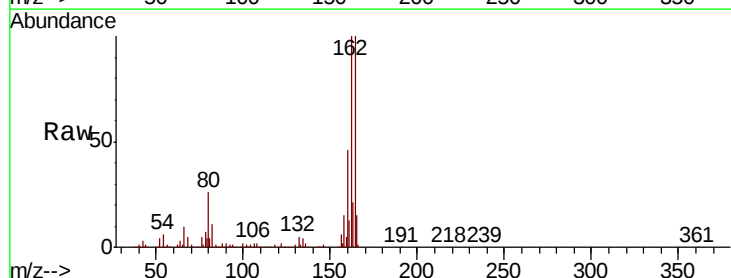
Tgt Ion:164 Resp: 291653

Ion Ratio Lower Upper

164 100

162 100.0 79.3 118.9

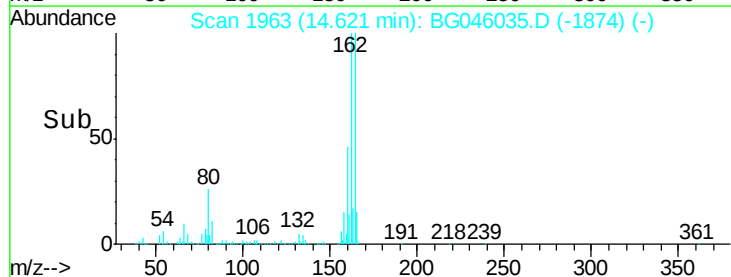
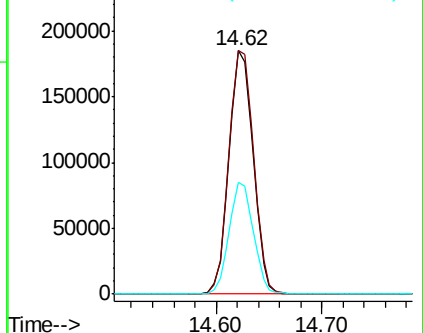
160 46.0 35.7 53.5

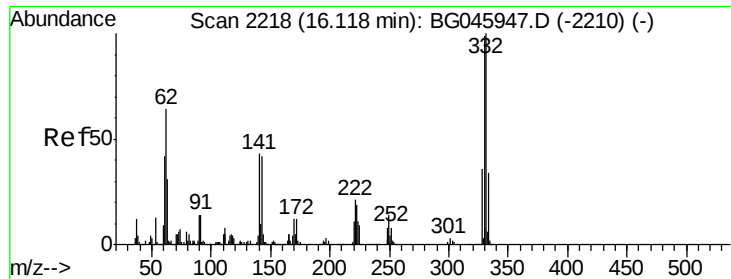


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

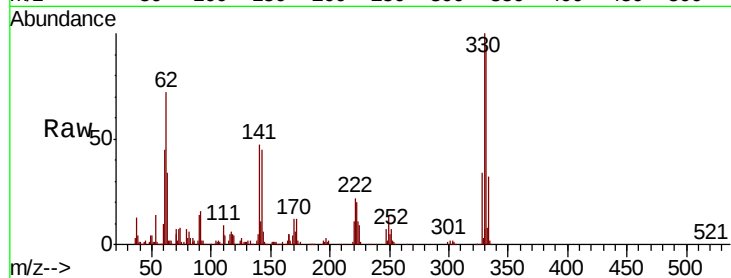




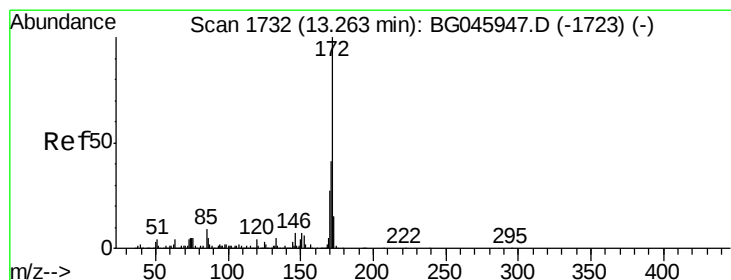
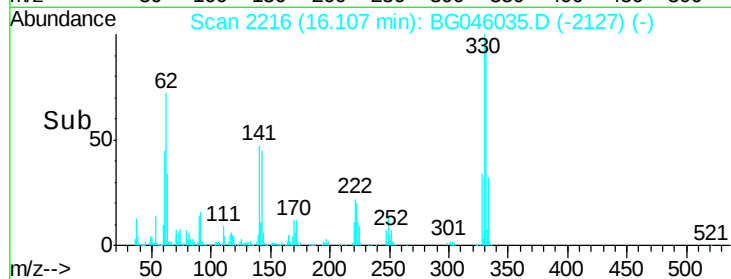
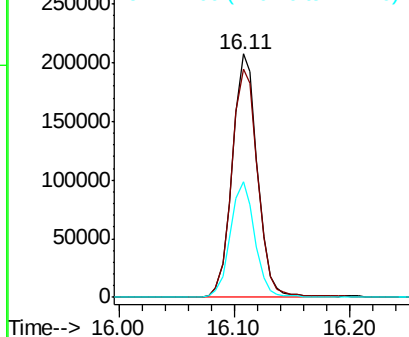
#42
 2,4,6-Tribromophenol
 Concen: 115.507 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. -0.00 min
 Lab File: BG046035.D
 Acq: 14 Jul 2020 16:26

Instrument :
 BNA_G
 ClientSampleId :
 TP

Tot Ion:330 Resp: 312660
 Ion Ratio Lower Upper
 330 100
 332 96.9 78.3 117.5
 141 46.8 36.6 54.8

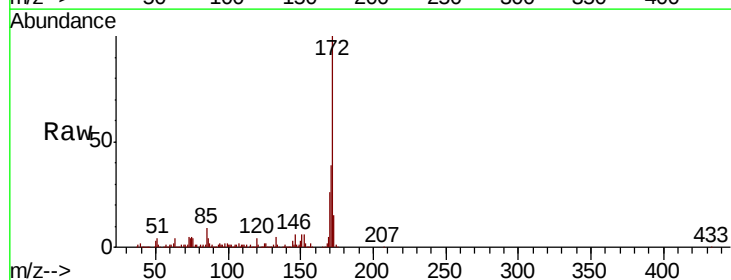


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

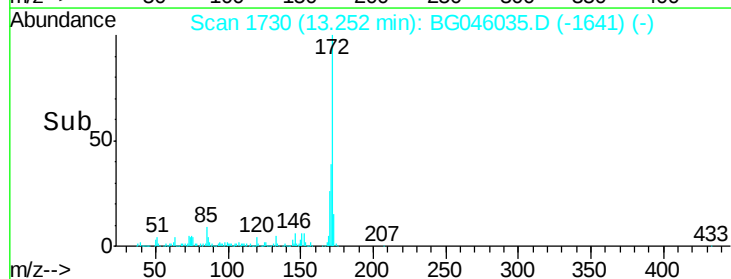
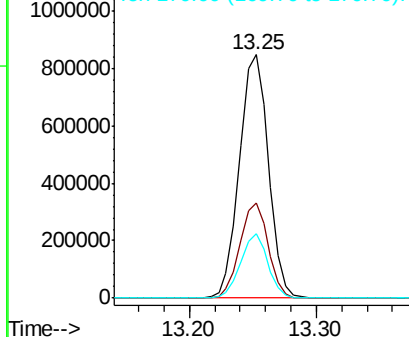


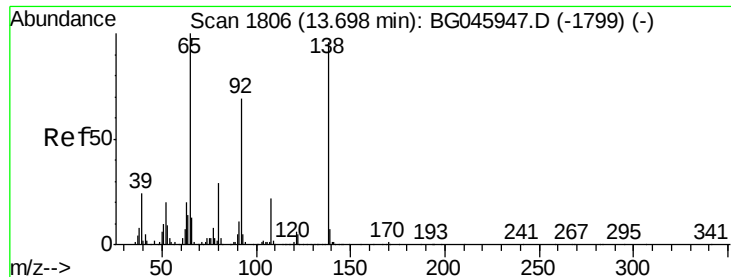
#45
 2-Fluorobiphenyl
 Concen: 71.955 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.00 min
 Lab File: BG046035.D
 Acq: 14 Jul 2020 16:26

Tgt Ion:172 Resp: 1345393
 Ion Ratio Lower Upper
 172 100
 171 39.2 32.9 49.3
 170 26.2 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

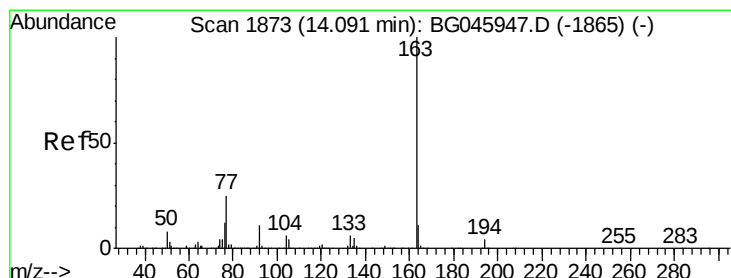
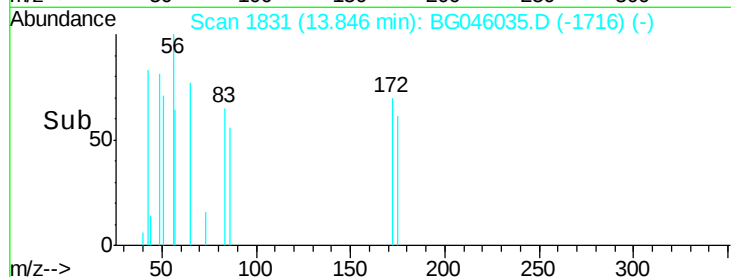
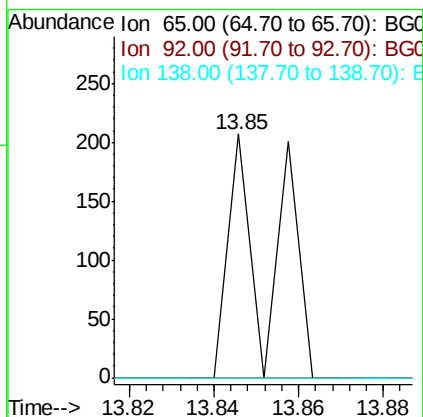
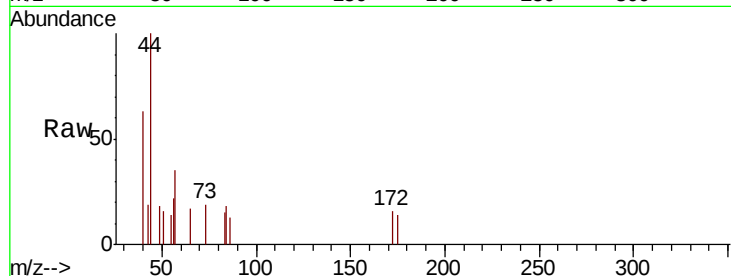




#48
2-Nitroaniline
Concen: 3.397 ng
RT: 13.85 min Scan# 1831
Delta R.T. 0.15 min
Lab File: BG046035.D
Acq: 14 Jul 2020 16:26

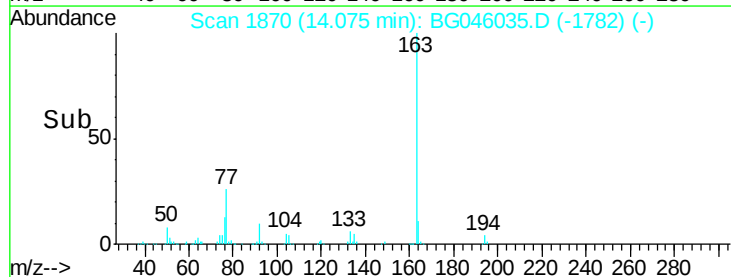
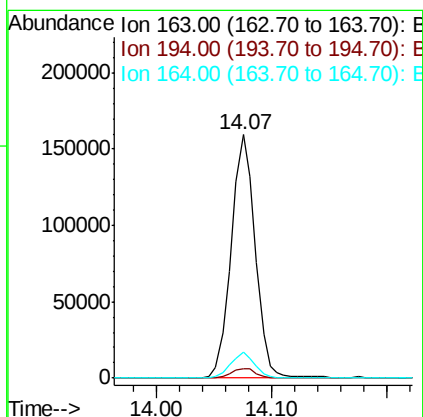
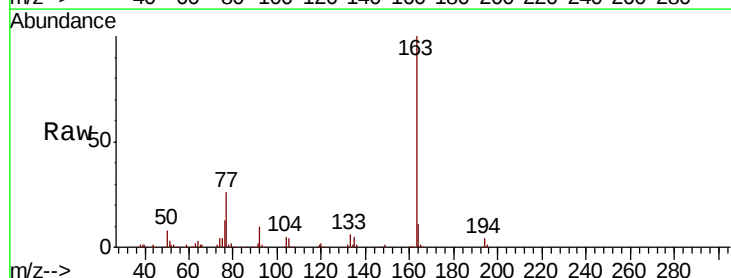
Instrument :
BNA_G
ClientSampled :
TP

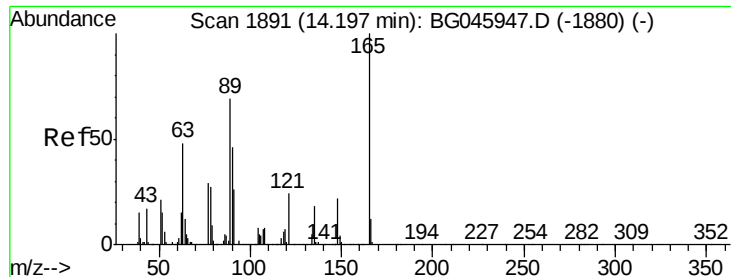
Tot Ion: 65 Resp: 144
Ion Ratio Lower Upper
65 100
92 0.0 55.4 83.0#
138 0.0 77.0 115.4#



#50
Dimethylphthalate
Concen: 10.518 ng
RT: 14.07 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BG046035.D
Acq: 14 Jul 2020 16:26

Tgt Ion: 163 Resp: 230219
Ion Ratio Lower Upper
163 100
194 3.9 3.6 5.4
164 10.5 8.9 13.3

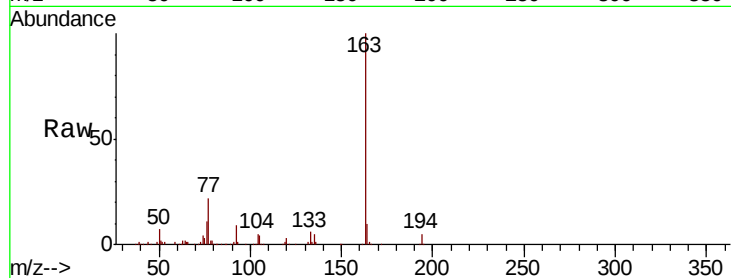




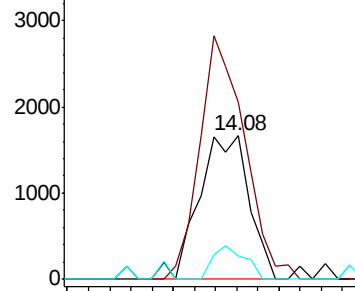
#51
 2,6-Dinitrotoluene
 Concen: 3.964 ng
 RT: 14.08 min Scan# 1871
 Delta R.T. -0.11 min
 Lab File: BG046035.D
 Acq: 14 Jul 2020 16:26

Instrument :
 BNA_G
 ClientSampleId :
 TP

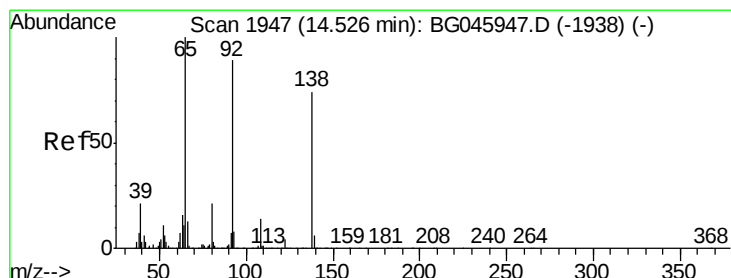
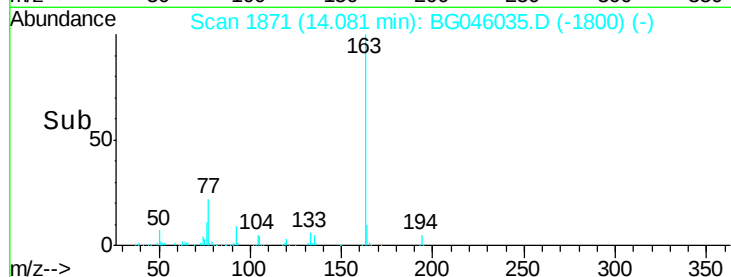
Tot Ion:165 Resp: 2746
 Ion Ratio Lower Upper
 165 100
 63 123.1 51.0 76.4#
 89 16.4 55.7 83.5#



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

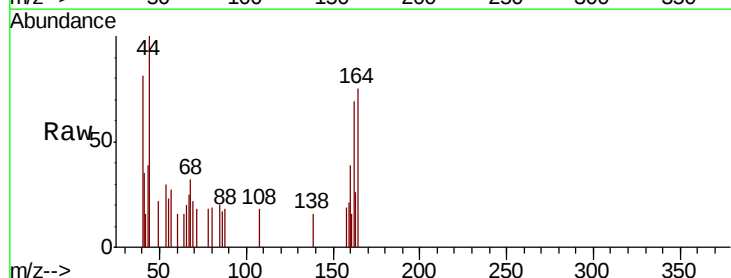


Time--> 14.00 14.05 14.10

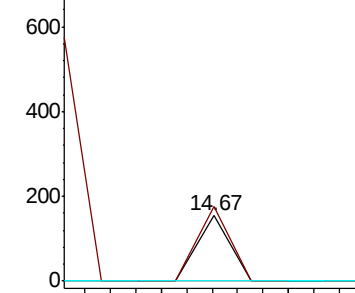


#53
 3-Nitroaniline
 Concen: 2.994 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. 0.15 min
 Lab File: BG046035.D
 Acq: 14 Jul 2020 16:26

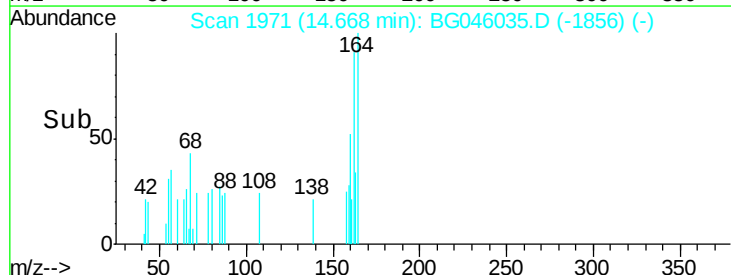
Tgt Ion:138 Resp: 55
 Ion Ratio Lower Upper
 138 100
 108 113.5 15.4 23.2#
 92 0.0 95.9 143.9#

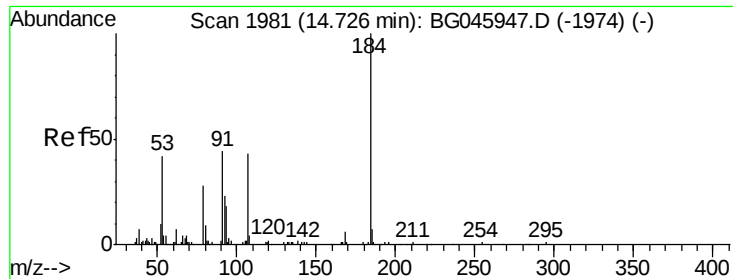


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BGC



Time--> 14.66 14.68





#54

2,4-Dinitrophenol

Concen: 6.152 ng

RT: 14.95 min Scan# 2019

Delta R.T. 0.23 min

Lab File: BG046035.D

Acq: 14 Jul 2020 16:26

Instrument :

BNA_G

ClientSampleId :

TP

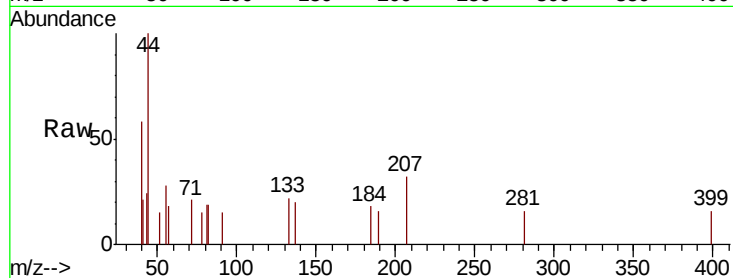
Tot Ion:184 Resp: 66

Ion Ratio Lower Upper

184 100

63 0.0 46.0 69.0#

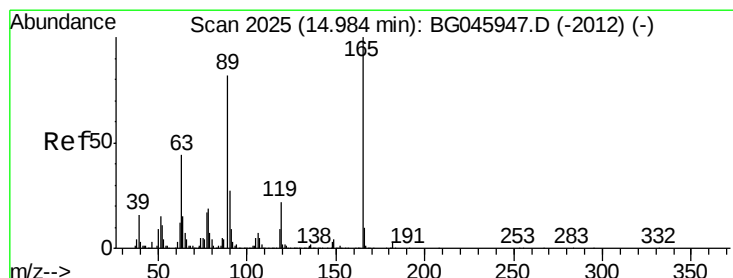
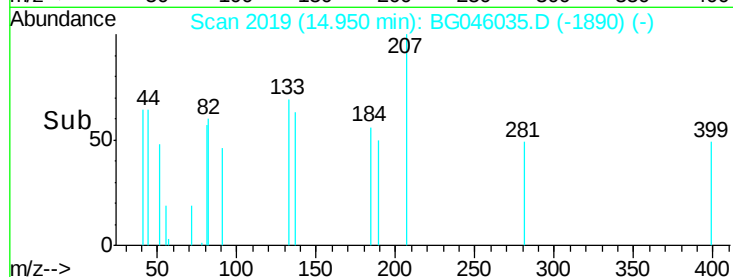
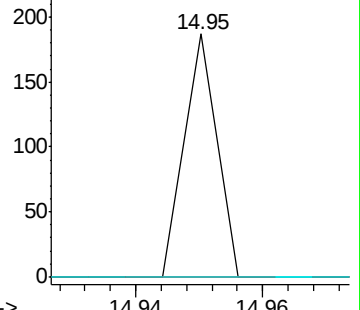
154 0.0 58.2 87.2#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E



#57

2,4-Dinitrotoluene

Concen: 11.148 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.36 min

Lab File: BG046035.D

Acq: 14 Jul 2020 16:26

Tgt Ion:165 Resp: 39334

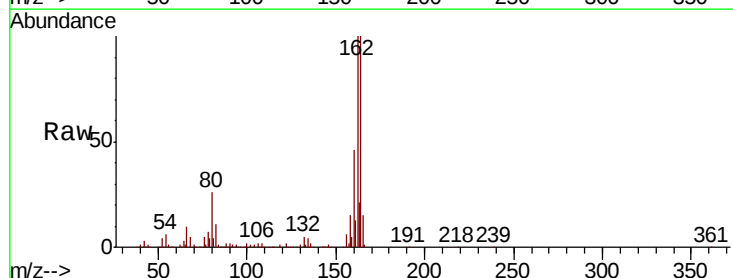
Ion Ratio Lower Upper

165 100

63 1.4 35.4 53.0#

89 1.7 65.4 98.2#

182 0.0 2.0 3.0#

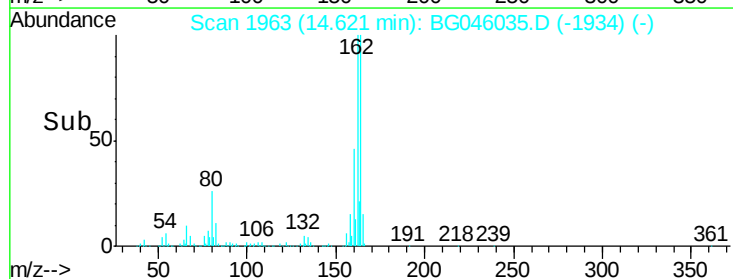
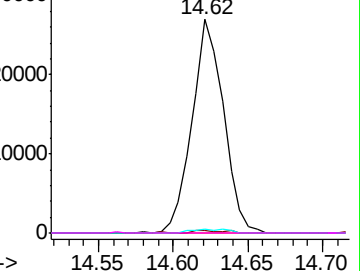


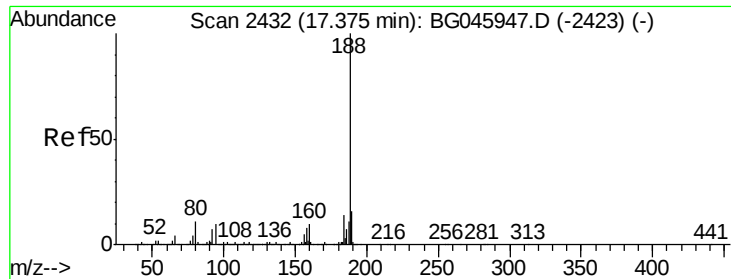
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.36 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BG046035.D

Acq: 14 Jul 2020 16:26

Instrument :

BNA_G

ClientSampled :

TP

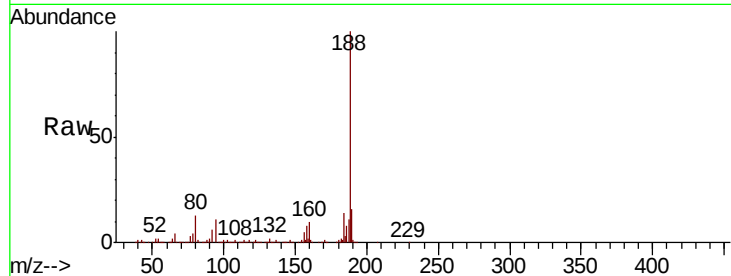
Tot Ion:188 Resp: 639451

Ion Ratio Lower Upper

188 100

94 11.0 8.2 12.4

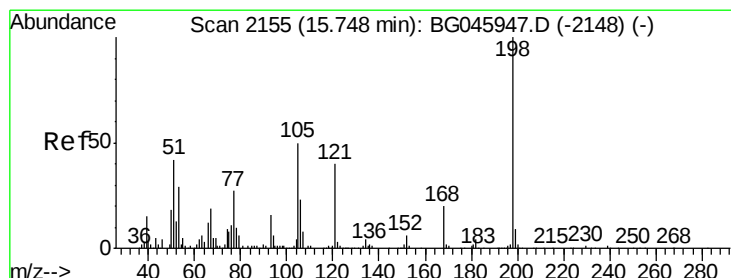
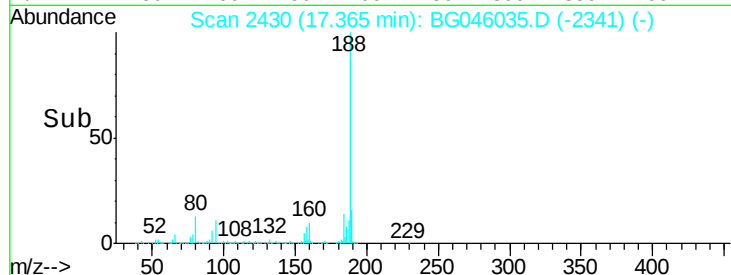
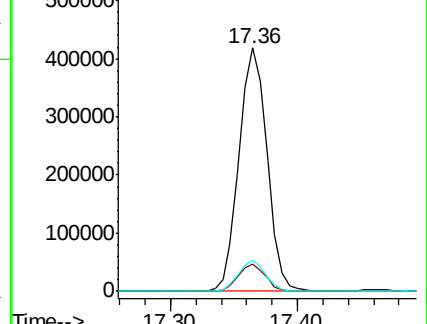
80 12.9 9.0 13.6



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: 6.812 ng

RT: 15.44 min Scan# 2103

Delta R.T. -0.30 min

Lab File: BG046035.D

Acq: 14 Jul 2020 16:26

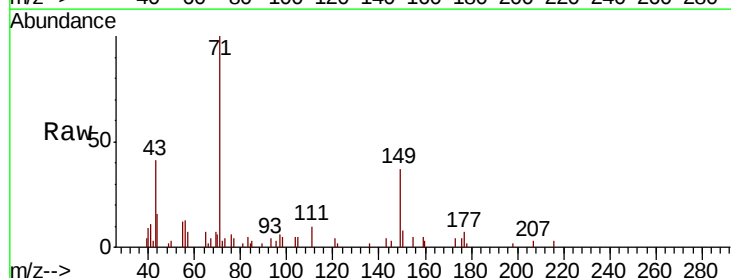
Tgt Ion:198 Resp: 55

Ion Ratio Lower Upper

198 100

51 0.0 24.5 64.5#

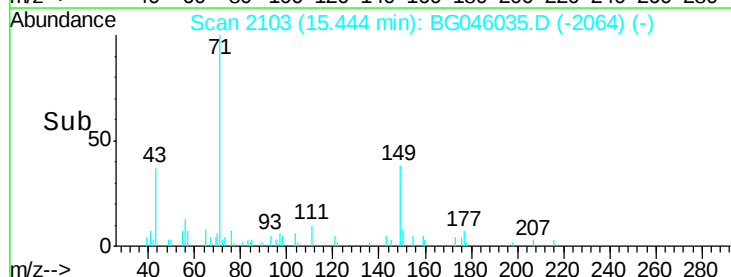
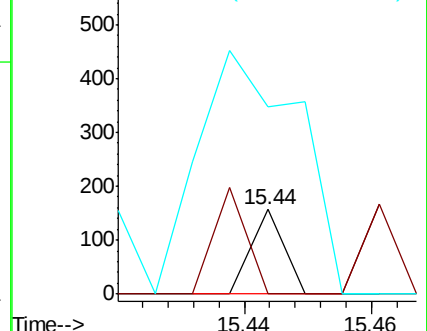
105 221.0 30.9 70.9#

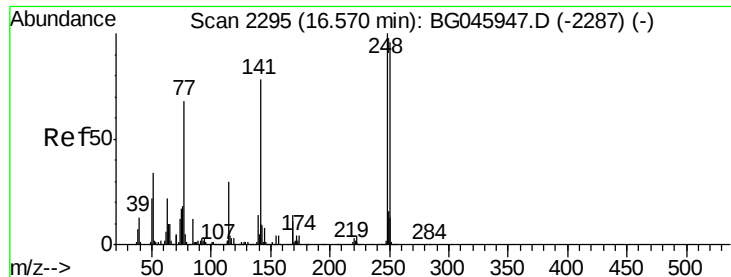


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

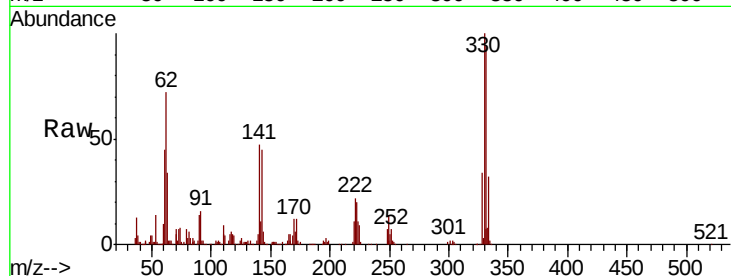




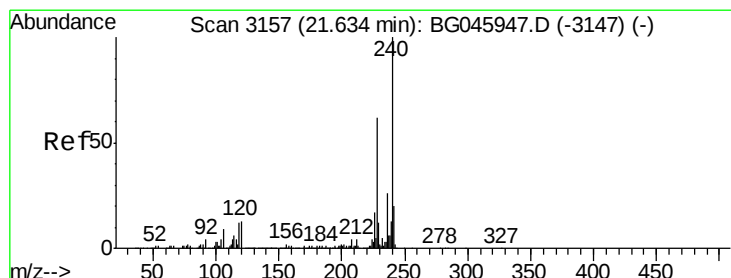
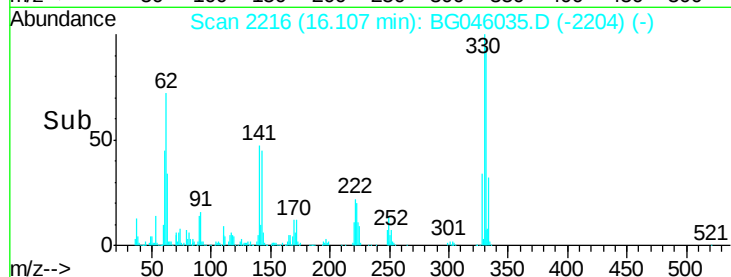
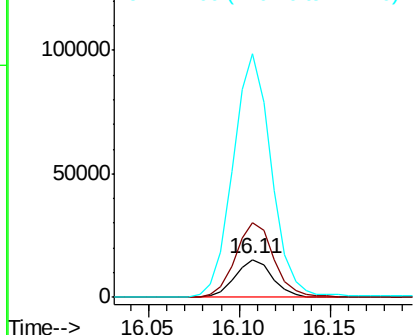
#67
4-Bromophenyl-phenylether
Concen: 3.085 ng
RT: 16.11 min Scan# 2216
Delta R.T. -0.46 min
Lab File: BG046035.D
Acq: 14 Jul 2020 16:26

Instrument :
BNA_G
ClientSampled :
TP

Tot Ion:248 Resp: 22029
Ion Ratio Lower Upper
248 100
250 197.8 76.6 114.8#
141 648.0 62.7 94.1#

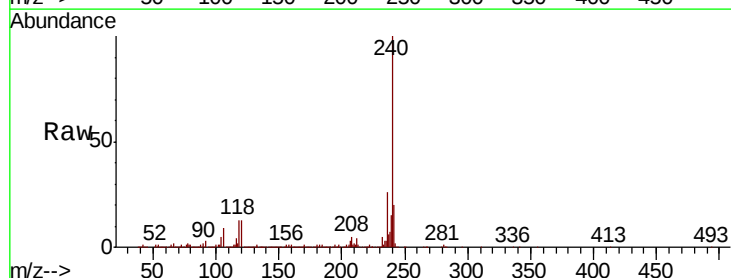


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

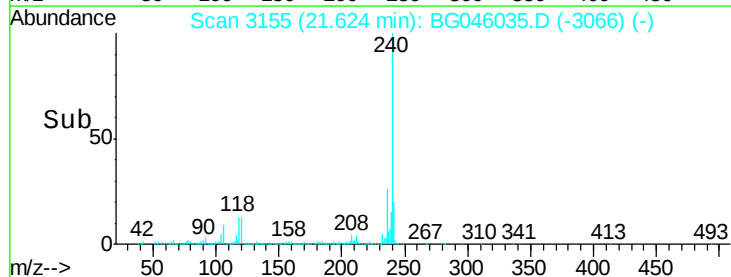
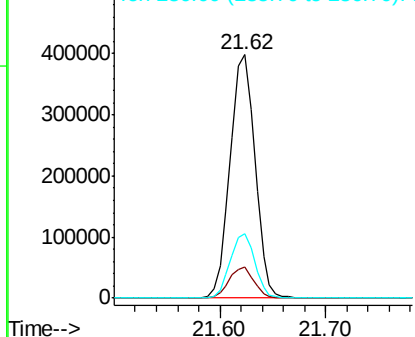


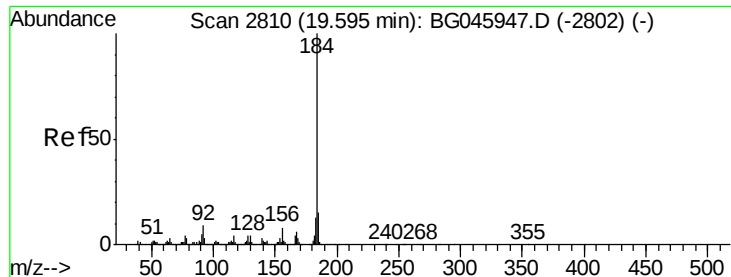
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.62 min Scan# 3155
Delta R.T. -0.00 min
Lab File: BG046035.D
Acq: 14 Jul 2020 16:26

Tgt Ion:240 Resp: 650962
Ion Ratio Lower Upper
240 100
120 12.9 10.6 16.0
236 26.2 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: 2.015 ng

RT: 19.98 min Scan# 2875

Delta R.T. 0.38 min

Lab File: BG046035.D

Acq: 14 Jul 2020 16:26

Instrument :

BNA_G

ClientSampleId :

TP

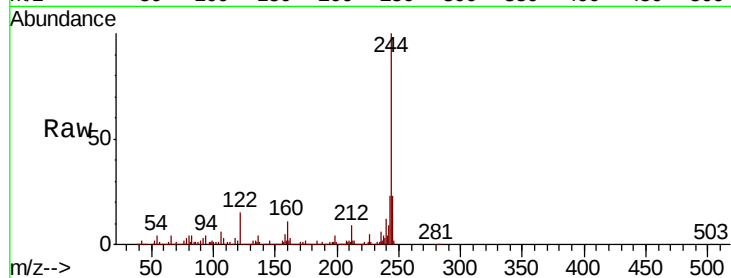
Tot Ion:184 Resp: 37502

Ion Ratio Lower Upper

184 100

185 14.8 11.6 17.4

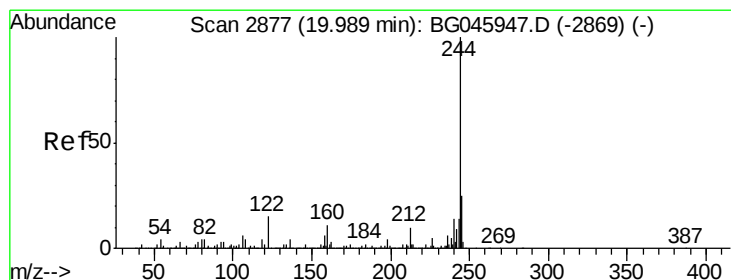
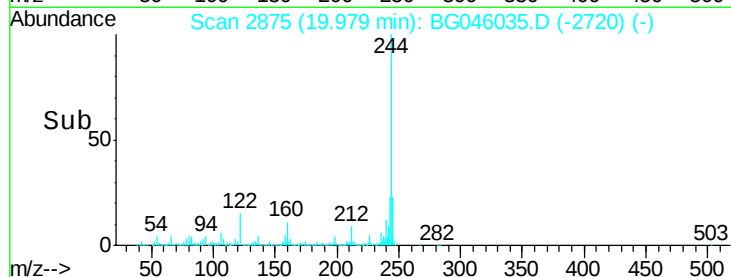
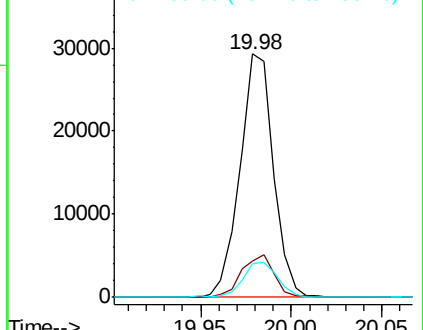
183 13.7 10.4 15.6



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: 63.269 ng

RT: 19.98 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BG046035.D

Acq: 14 Jul 2020 16:26

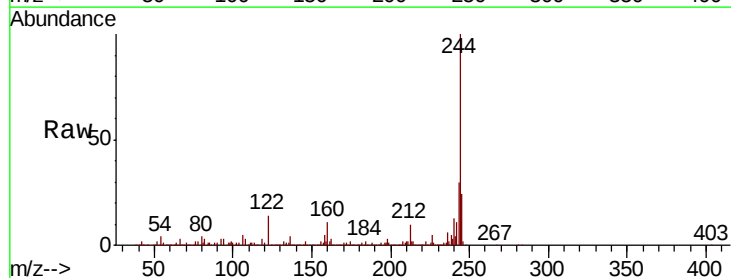
Tgt Ion:244 Resp: 1850614

Ion Ratio Lower Upper

244 100

212 9.6 8.3 12.5

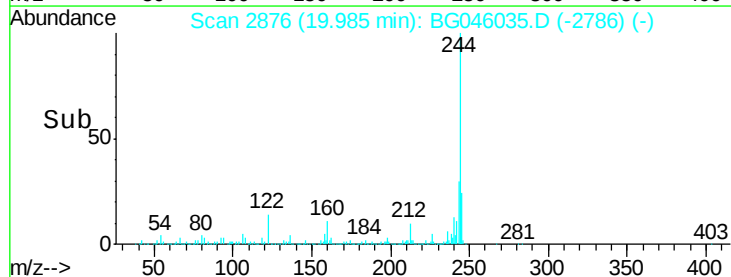
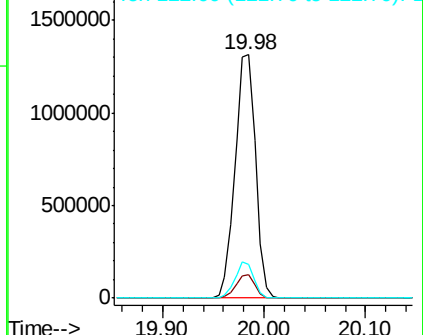
122 13.7 12.1 18.1

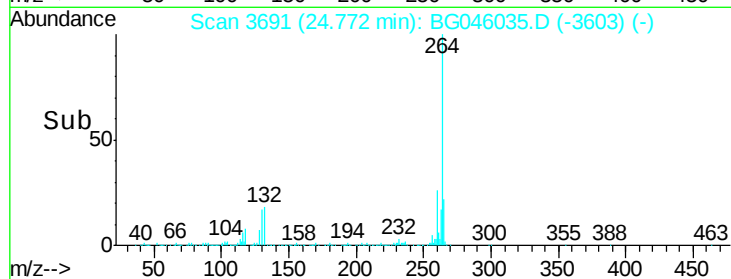
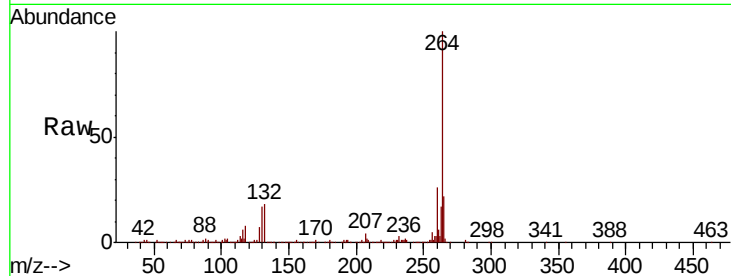
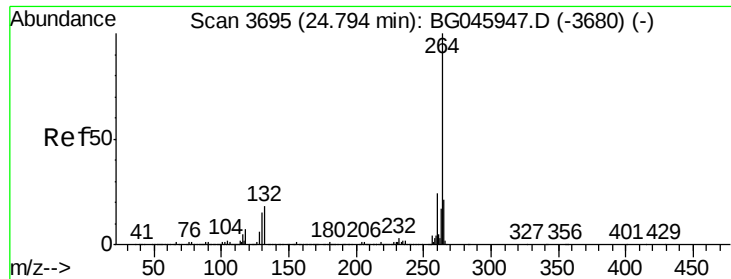


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.77 min Scan# 3691
 Delta R.T. -0.01 min
 Lab File: BG046035.D
 Acq: 14 Jul 2020 16:26

Instrument :
 BNA_G
 ClientSampleId :
 TP

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.0	28.6
265	22.4	16.9	25.3

