

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071020\
 Data File : BG046006.D
 Acq On : 10 Jul 2020 14:26
 Operator : CG/JU
 Sample : L3247-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-D19

Quant Time: Jul 10 15:09:10 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	140210	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	561389	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	352761	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	816553	20.00	ng	0.00
76) Chrysene-d12	21.62	240	747322	20.00	ng	-0.01
86) Perylene-d12	24.78	264	732025	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	1076223	124.48	ng	0.00
7) Phenol-d6	7.16	99	1389418	111.62	ng	0.00
23) Nitrobenzene-d5	9.16	82	1146631	117.56	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	551873	168.56	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	2063218	91.23	ng	0.00
79) Terphenyl-d14	19.99	244	3145630	93.68	ng	0.00

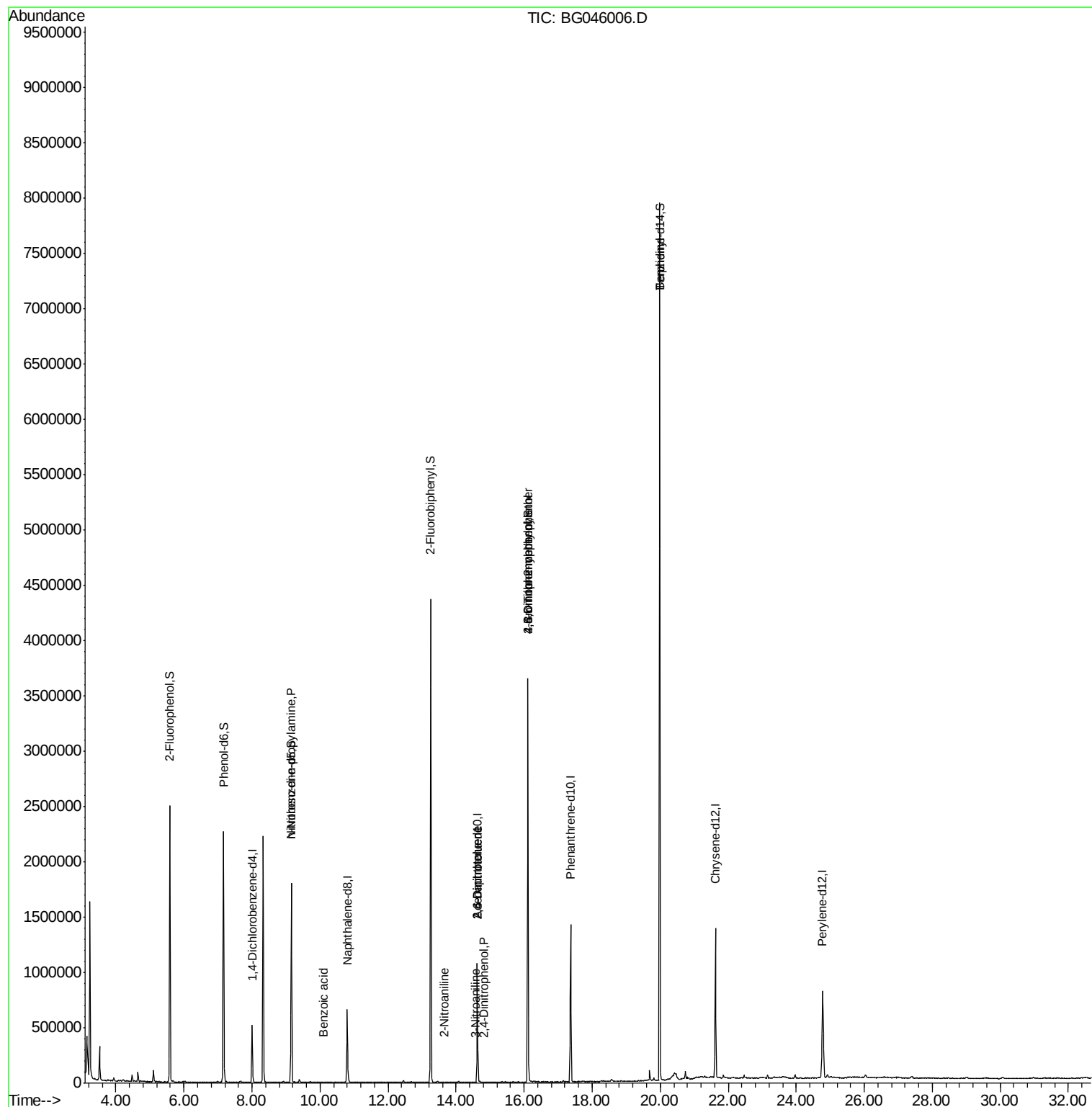
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.16	70	157470	18.008	ng	# 80
32) Benzoic acid	10.11	122	115	6.526	ng	# 1
48) 2-Nitroaniline	13.66	65	143	3.392	ng	# 7
51) 2,6-Dinitrotoluene	14.62	165	47225	12.596	ng	# 18
53) 3-Nitroaniline	14.57	138	59	2.993	ng	# 1
54) 2,4-Dinitrophenol	14.82	184	59	6.141	ng	# 12
57) 2,4-Dinitrotoluene	14.62	165	47225	11.095	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.11	198	2478	7.547	ng	# 1
67) 4-Bromophenyl-phenylether	16.11	248	40409	4.431	ng	# 1
77) Benzidine	19.99	184	72023	3.371	ng	# 91

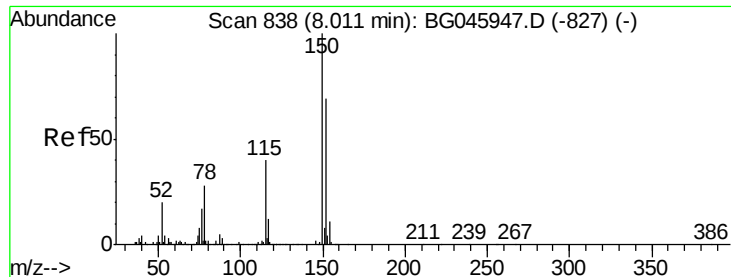
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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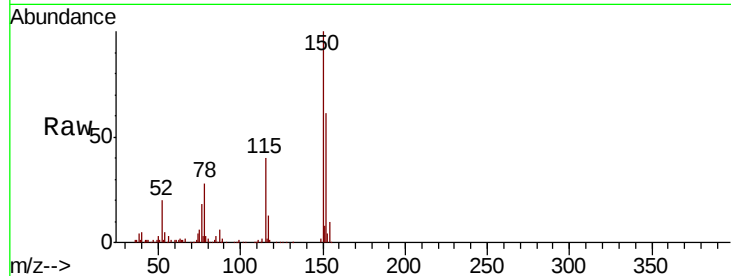


#1

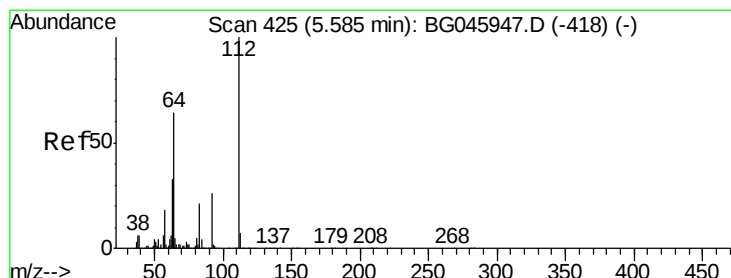
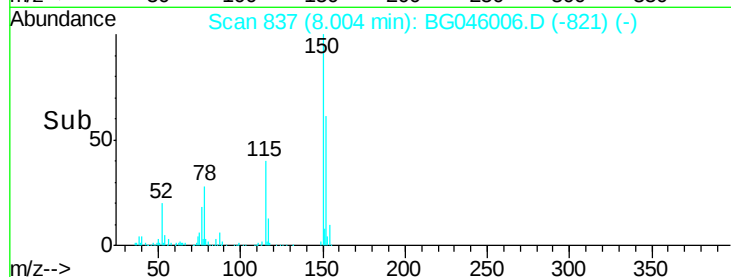
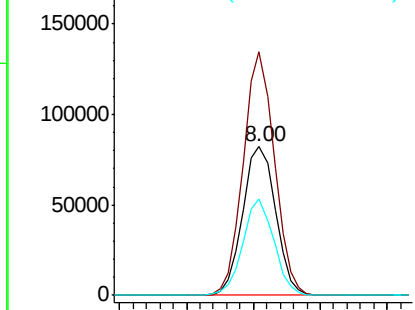
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG046006.D
Acq: 10 Jul 2020 14:26

Instrument :
BNA_G
ClientSampleId :
MH-D19

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.8	116.7	175.1
115	64.7	47.4	71.0



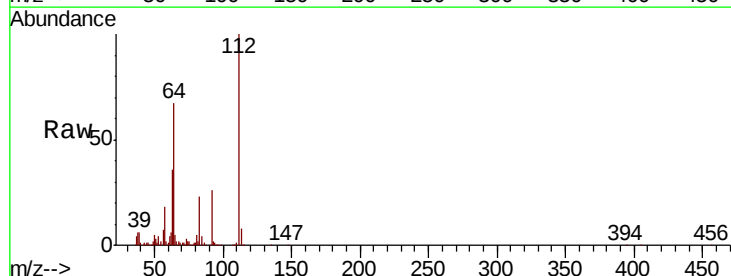
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



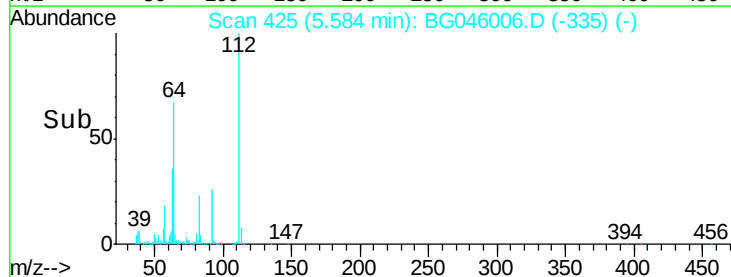
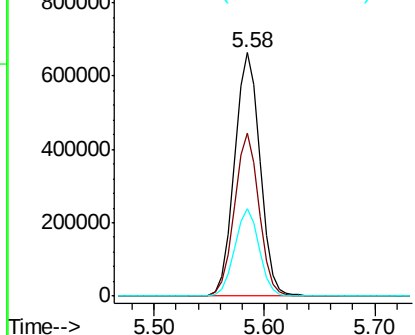
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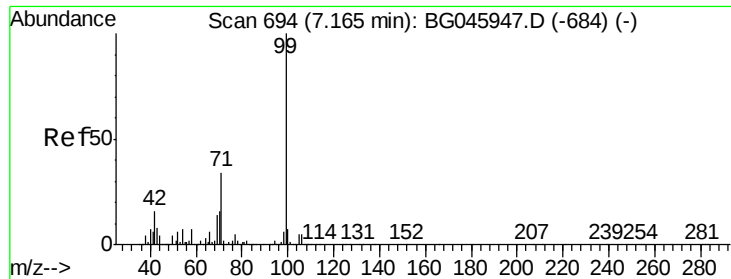
2-Fluorophenol
Concen: 124.476 ng
RT: 5.58 min Scan# 425
Delta R.T. 0.00 min
Lab File: BG046006.D
Acq: 10 Jul 2020 14:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.1	51.4	77.2
63	36.0	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: 111.619 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG046006.D

Acq: 10 Jul 2020 14:26

Instrument :

BNA_G

ClientSampleId :

MH-D19

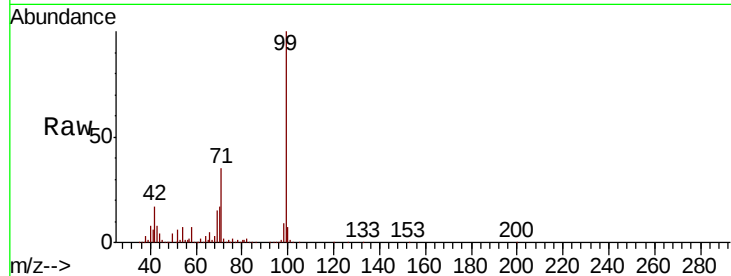
Tot Ion: 99 Resp: 1389418

Ion Ratio Lower Upper

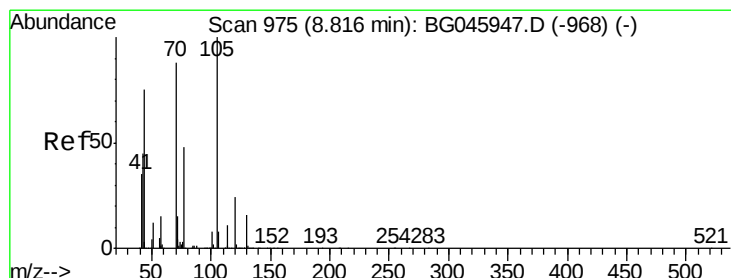
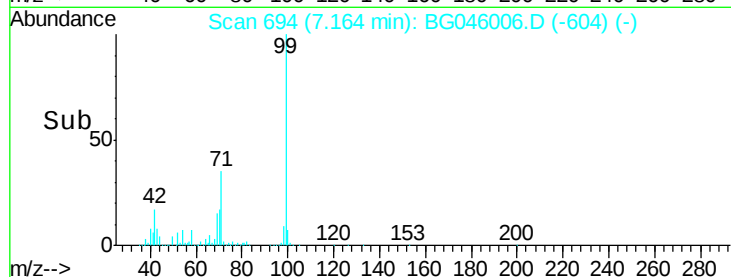
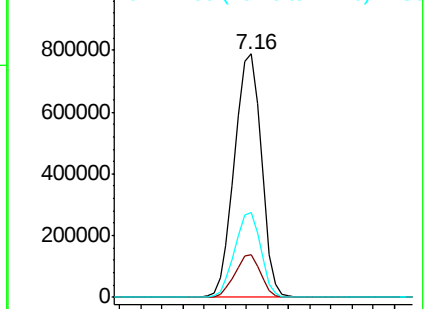
99 100

42 17.3 13.0 19.4

71 34.9 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: 18.008 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.34 min

Lab File: BG046006.D

Acq: 10 Jul 2020 14:26

Tgt Ion: 70 Resp: 157470

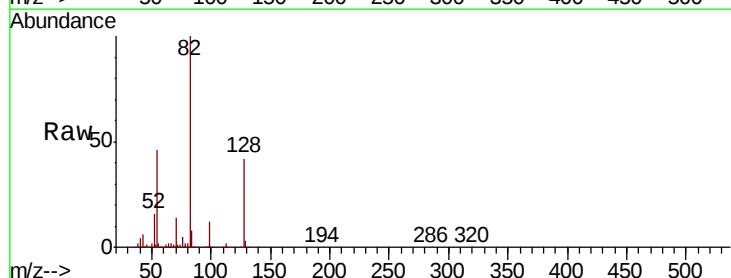
Ion Ratio Lower Upper

70 100

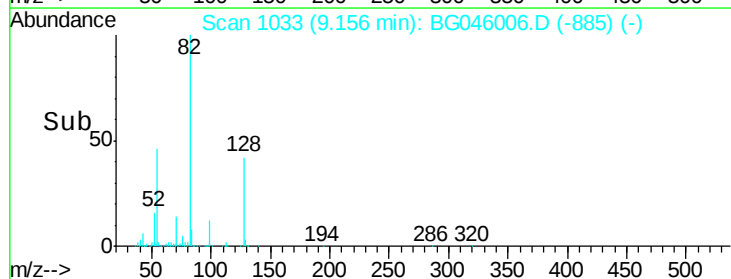
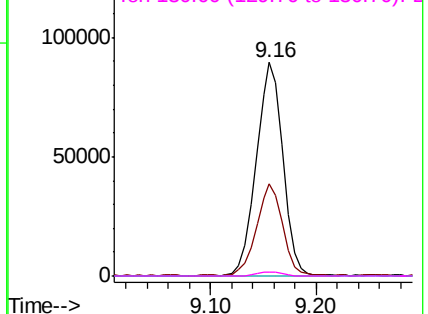
42 43.0 41.4 62.0

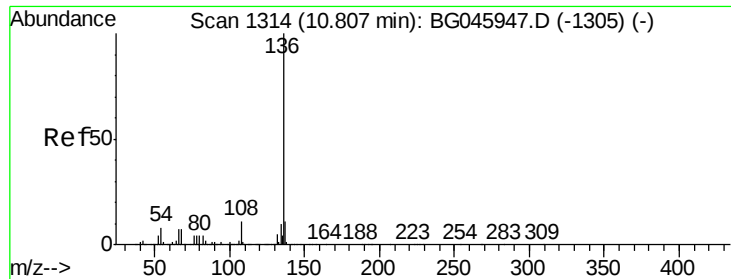
101 0.0 7.1 10.7#

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

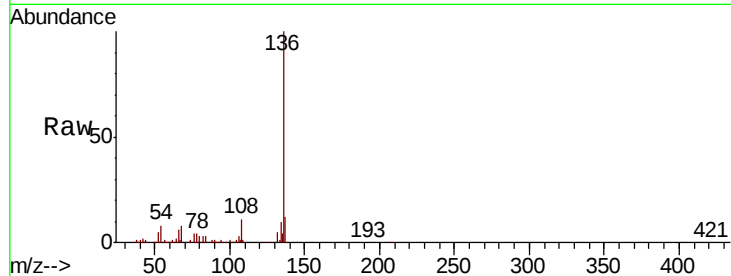




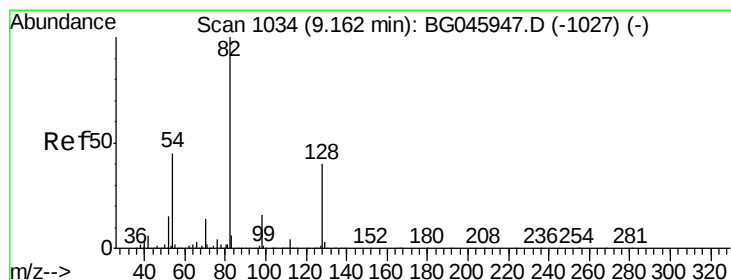
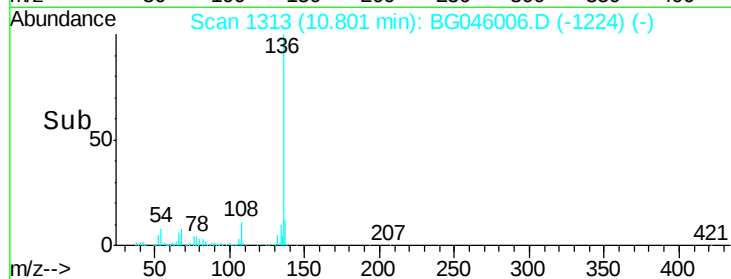
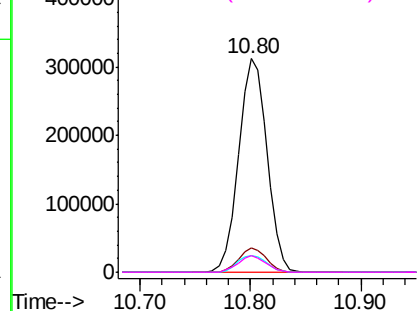
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BG046006.D
Acq: 10 Jul 2020 14:26

Instrument :
BNA_G
ClientSampleId :
MH-D19

Tot Ion:136	Resp:	561389	
Ion Ratio	Lower	Upper	
136 100			
137 11.6	9.2	13.8	
54 8.0	6.2	9.4	
68 7.7	5.8	8.8	

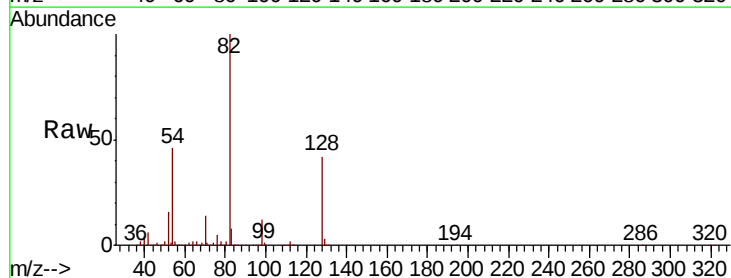


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

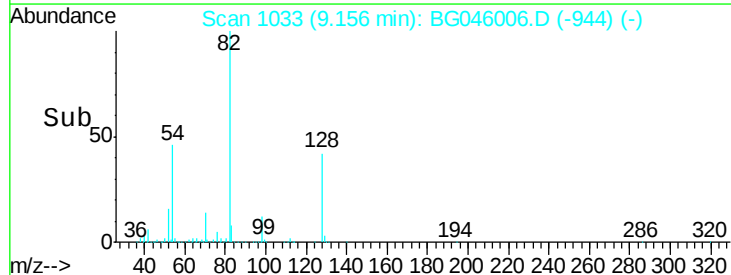
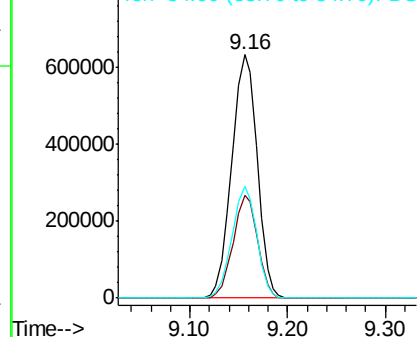


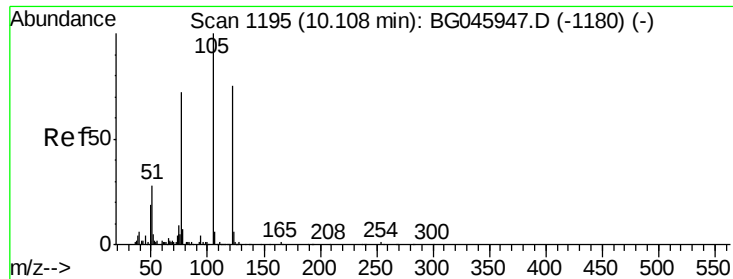
#23
Nitrobenzene-d5
Concen: 117.561 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG046006.D
Acq: 10 Jul 2020 14:26

Tgt Ion: 82	Resp: 1146631
Ion Ratio	Lower Upper
82 100	
128 42.1	32.2 48.4
54 45.9	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: 6.526 ng

RT: 10.11 min Scan# 1196

Delta R.T. 0.01 min

Lab File: BG046006.D

Acq: 10 Jul 2020 14:26

Instrument :

BNA_G

ClientSampleId :

MH-D19

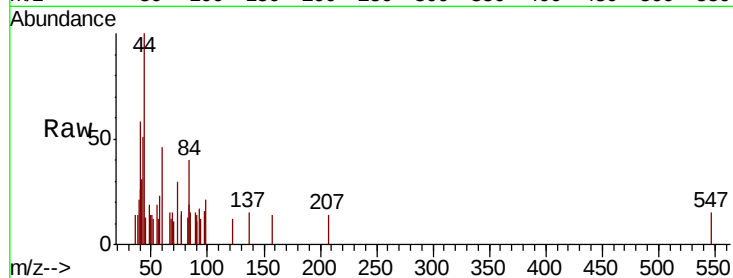
Tot Ion:122 Resp: 115

Ion Ratio Lower Upper

122 100

105 0.0 110.8 150.8#

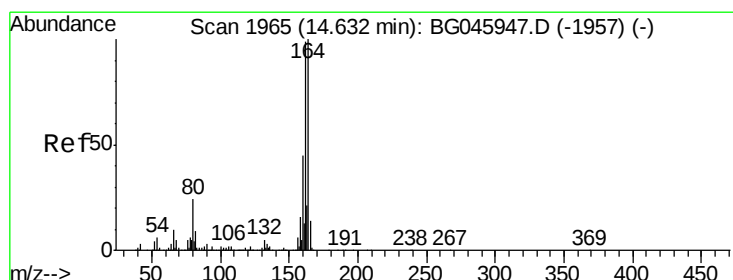
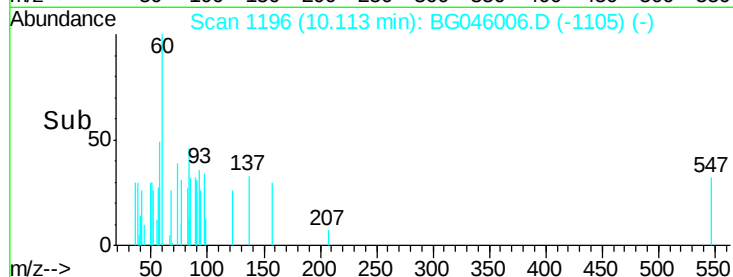
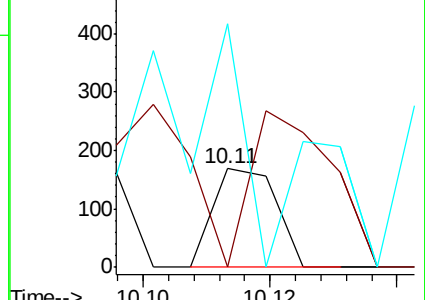
77 246.7 76.4 116.4#



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# 1964

Delta R.T. -0.01 min

Lab File: BG046006.D

Acq: 10 Jul 2020 14:26

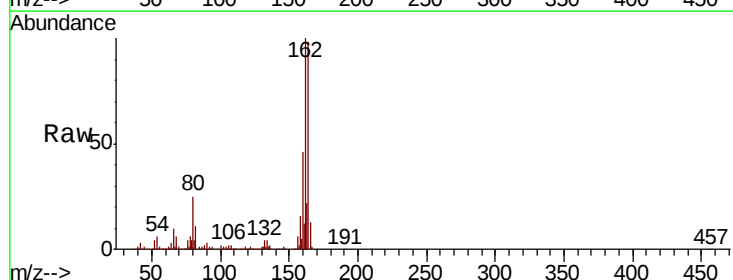
Tgt Ion:164 Resp: 352761

Ion Ratio Lower Upper

164 100

162 101.8 79.3 118.9

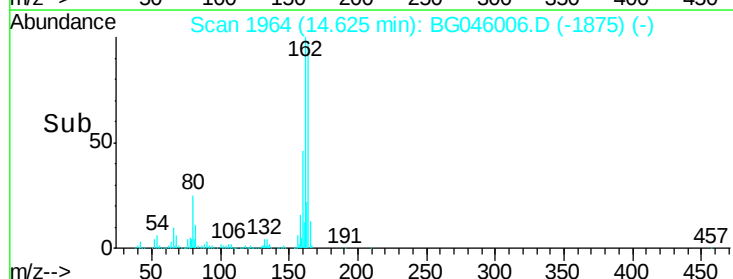
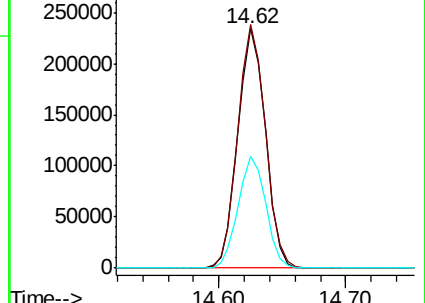
160 46.6 35.7 53.5

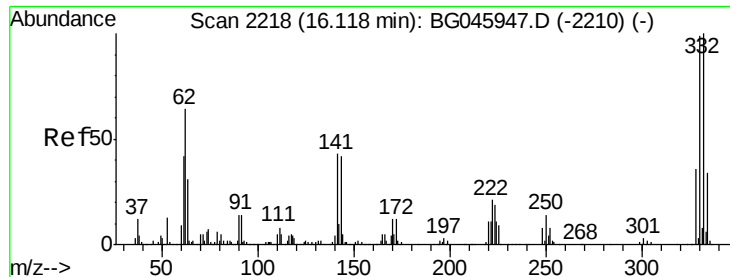


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

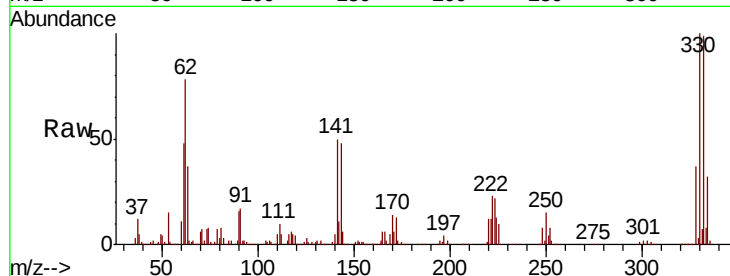




#42
 2,4,6-Tribromophenol
 Concen: 168.563 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.01 min
 Lab File: BG046006.D
 Acq: 10 Jul 2020 14:26

Instrument :
 BNA_G
 ClientSampleID :
 MH-D19

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.9	78.3	117.5
141	48.8	36.6	54.8

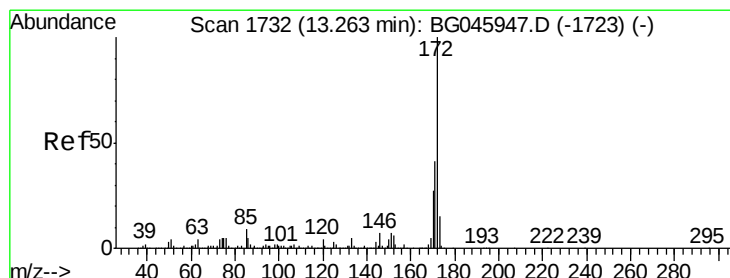
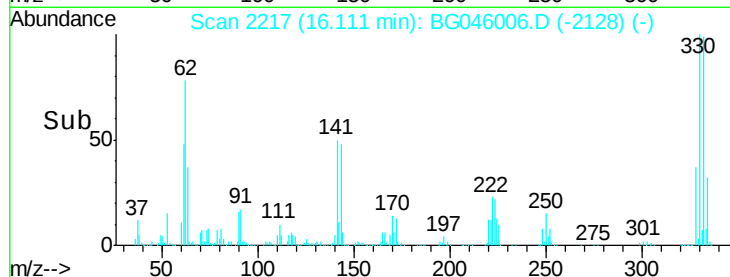
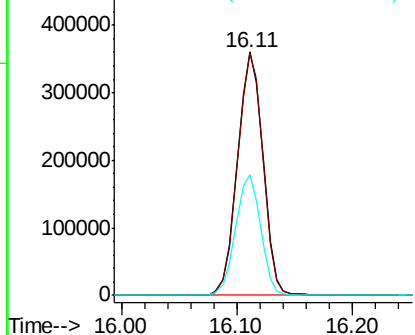


Abundance

Ion 329.80 (329.50 to 330.50): E

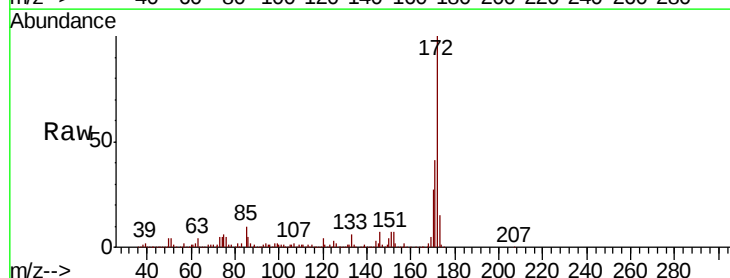
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 91.231 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG046006.D
 Acq: 10 Jul 2020 14:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	41.3	32.9	49.3
170	26.9	21.8	32.6

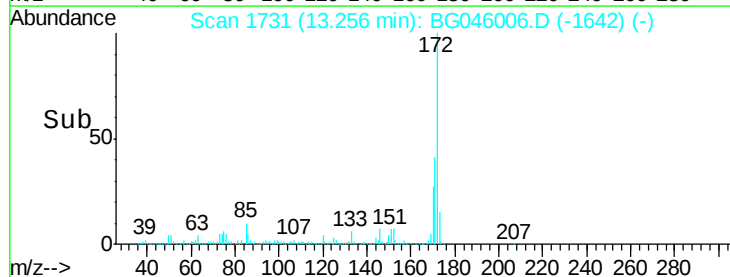
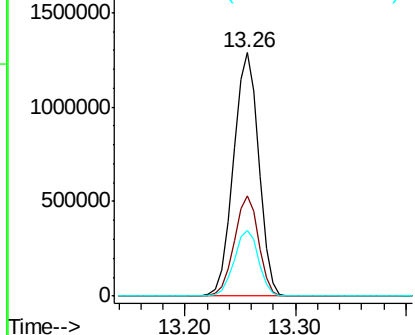


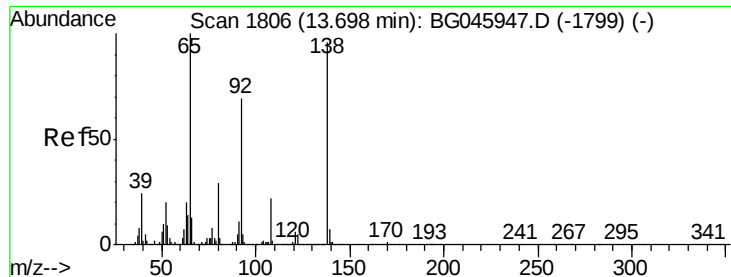
Abundance

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

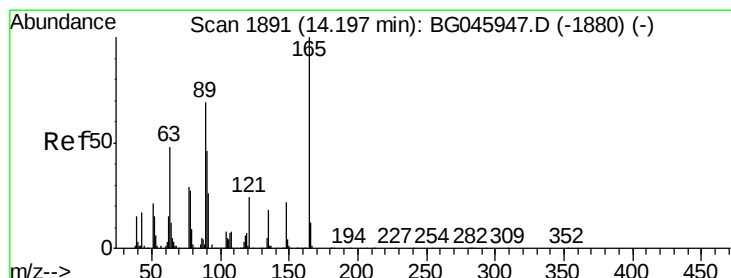
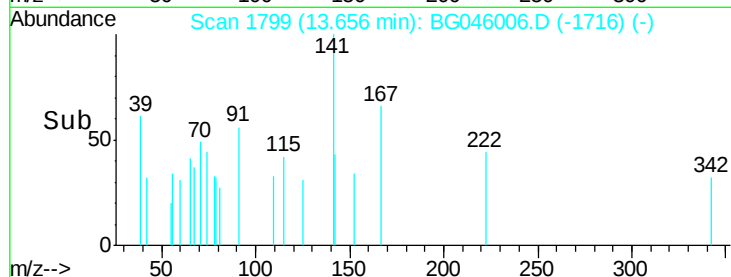
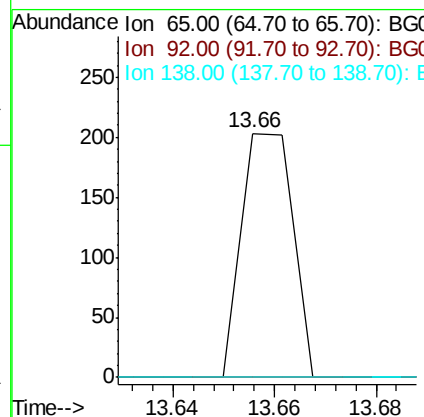
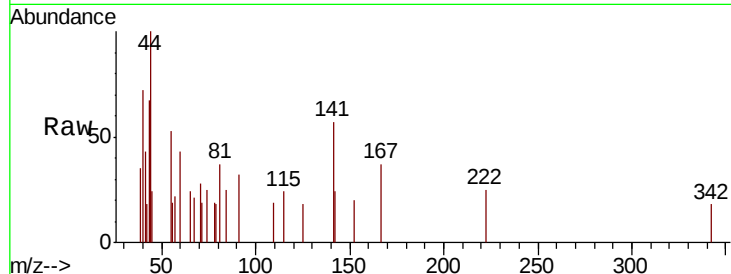




#48
2-Nitroaniline
Concen: 3.392 ng
RT: 13.66 min Scan# 1799
Delta R.T. -0.04 min
Lab File: BG046006.D
Acq: 10 Jul 2020 14:26

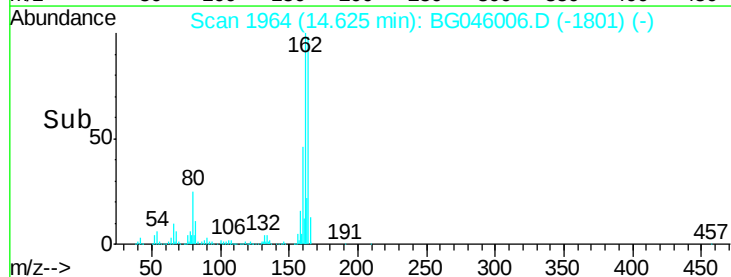
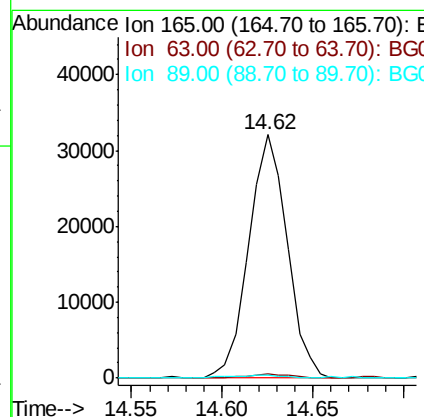
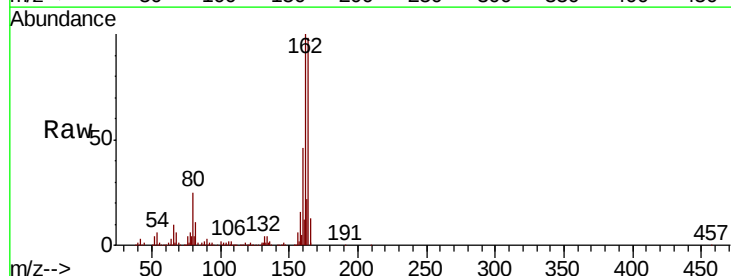
Instrument :
BNA_G
ClientSampled :
MH-D19

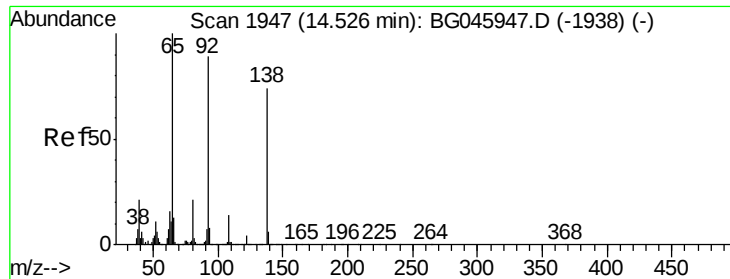
Tot Ion: 65 Resp: 143
Ion Ratio Lower Upper
65 100
92 0.0 55.4 83.0#
138 0.0 77.0 115.4#



#51
2,6-Dinitrotoluene
Concen: 12.596 ng
RT: 14.62 min Scan# 1964
Delta R.T. 0.43 min
Lab File: BG046006.D
Acq: 10 Jul 2020 14:26

Tgt Ion: 165 Resp: 47225
Ion Ratio Lower Upper
165 100
63 1.8 51.0 76.4#
89 1.2 55.7 83.5#

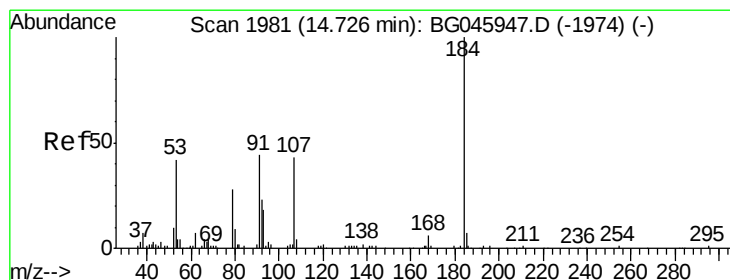
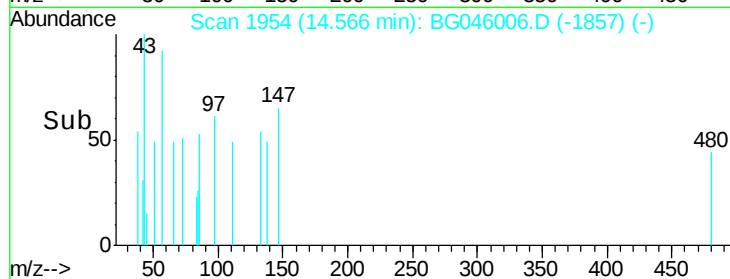
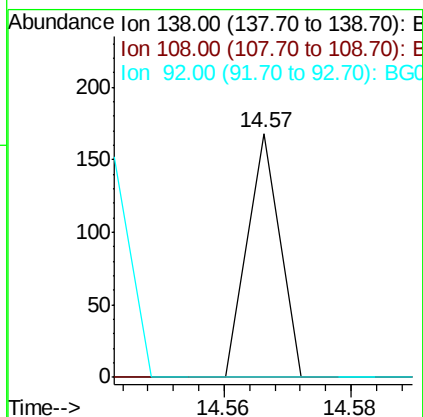
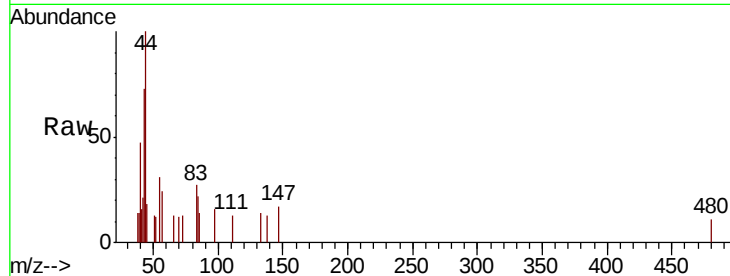




#53
3-Nitroaniline
Concen: 2.993 ng
RT: 14.57 min Scan# 1954
Delta R.T. 0.04 min
Lab File: BG046006.D
Acq: 10 Jul 2020 14:26

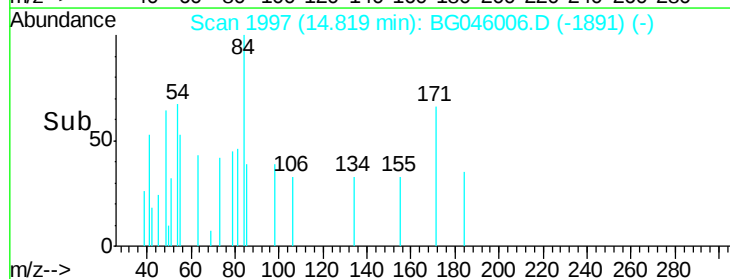
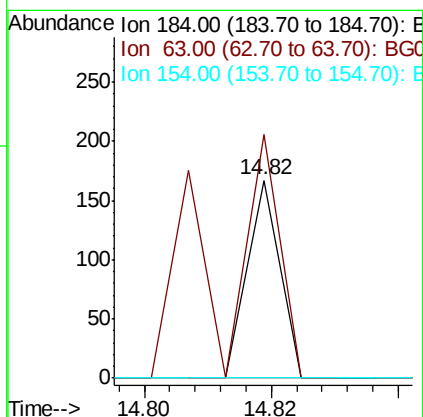
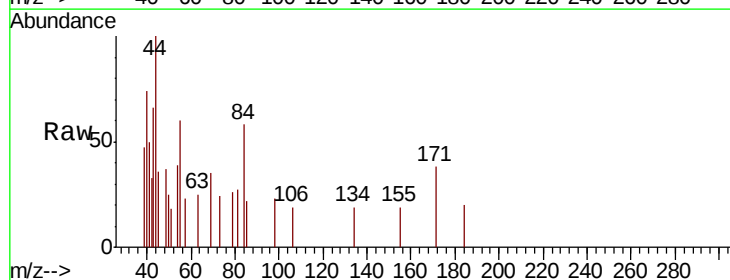
Instrument :
BNA_G
ClientSampleId :
MH-D19

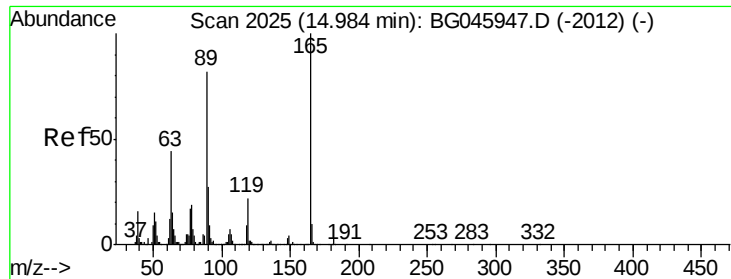
Tot Ion:138 Resp: 59
Ion Ratio Lower Upper
138 100
108 0.0 15.4 23.2#
92 0.0 95.9 143.9#



#54
2,4-Dinitrophenol
Concen: 6.141 ng
RT: 14.82 min Scan# 1997
Delta R.T. 0.09 min
Lab File: BG046006.D
Acq: 10 Jul 2020 14:26

Tgt Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 123.4 46.0 69.0#
154 0.0 58.2 87.2#





#57

2,4-Dinitrotoluene

Concen: 11.095 ng

RT: 14.62 min Scan# 1964

Delta R.T. -0.36 min

Lab File: BG046006.D

Acq: 10 Jul 2020 14:26

Instrument :

BNA_G

ClientSampleId :

MH-D19

Tot Ion:165 Resp: 47225

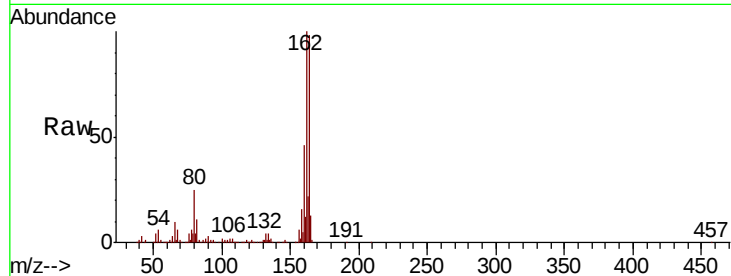
Ion Ratio Lower Upper

165 100

63 1.8 35.4 53.0#

89 1.2 65.4 98.2#

182 0.0 2.0 3.0#

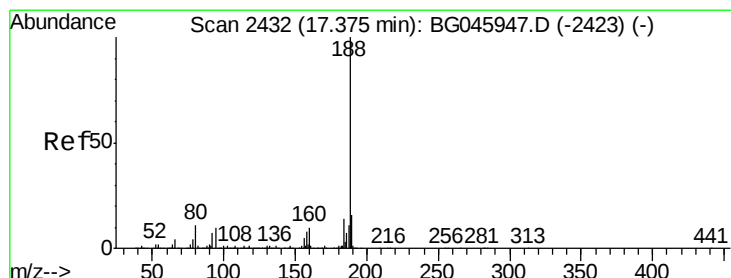
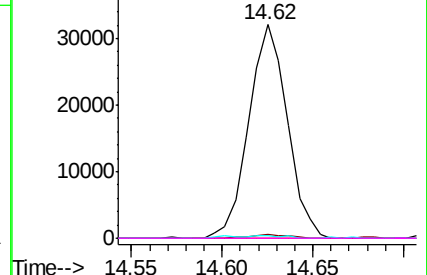
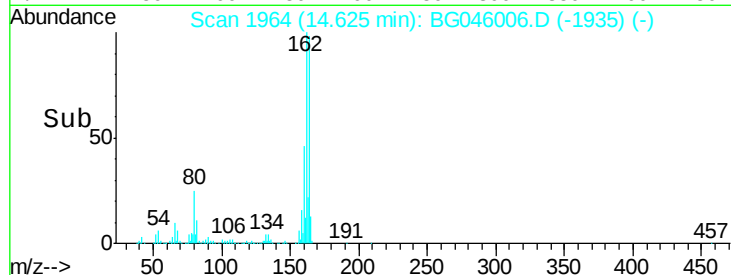


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.37 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BG046006.D

Acq: 10 Jul 2020 14:26

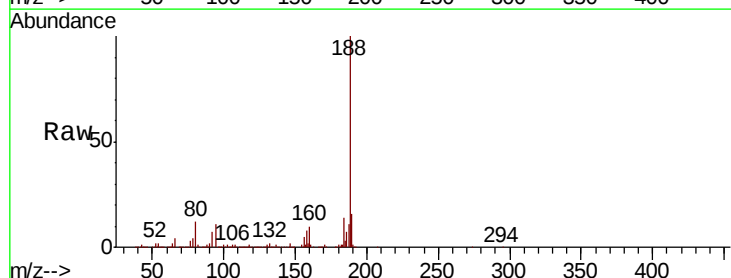
Tgt Ion:188 Resp: 816553

Ion Ratio Lower Upper

188 100

94 10.7 8.2 12.4

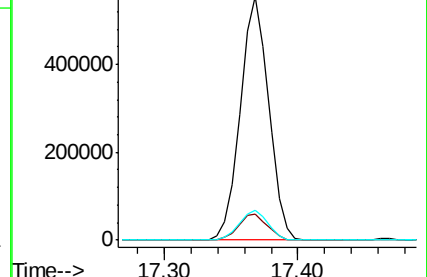
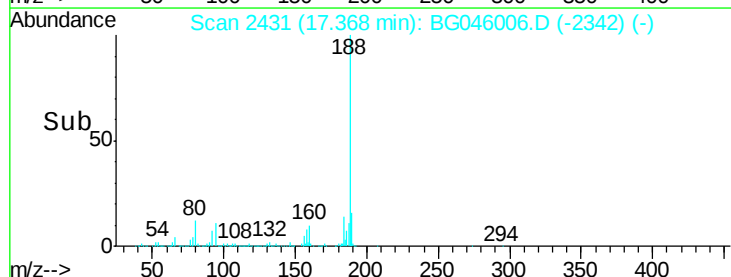
80 12.3 9.0 13.6

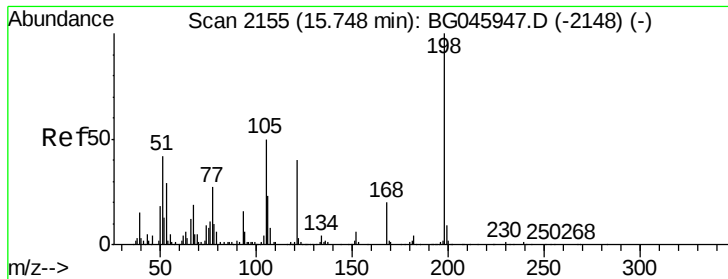


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

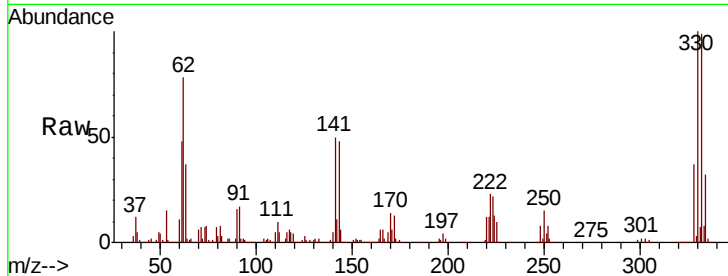




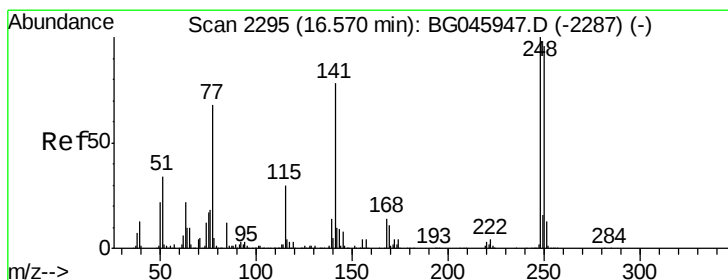
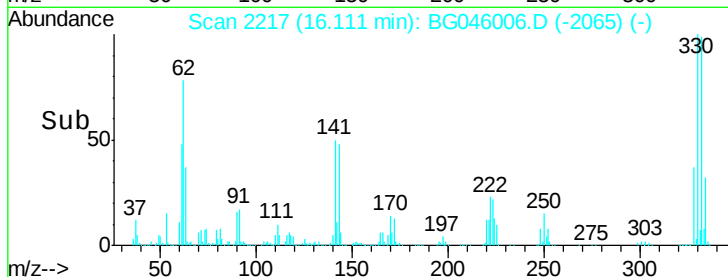
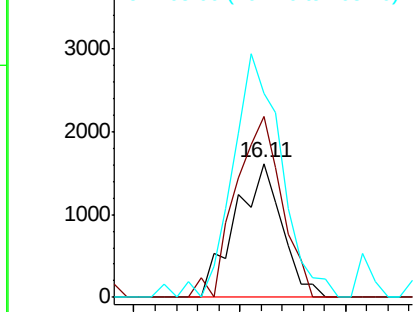
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.547 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. 0.36 min
 Lab File: BG046006.D
 Acq: 10 Jul 2020 14:26

Instrument :
 BNA_G
 ClientSampled :
 MH-D19

Tot Ion:198 Resp: 2478
 Ion Ratio Lower Upper
 198 100
 51 135.5 24.5 64.5#
 105 152.3 30.9 70.9#

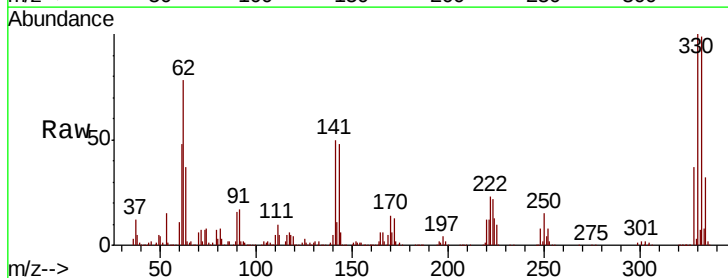


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

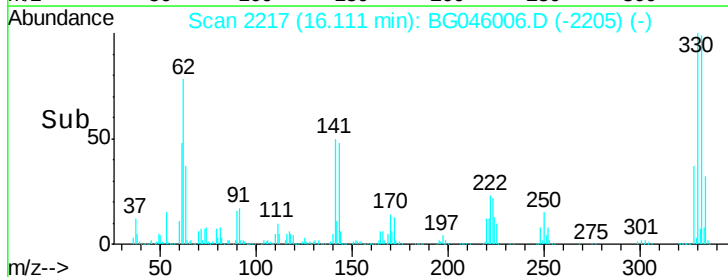
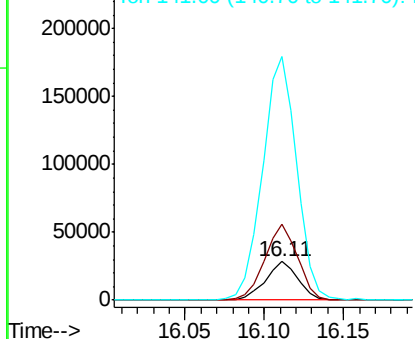


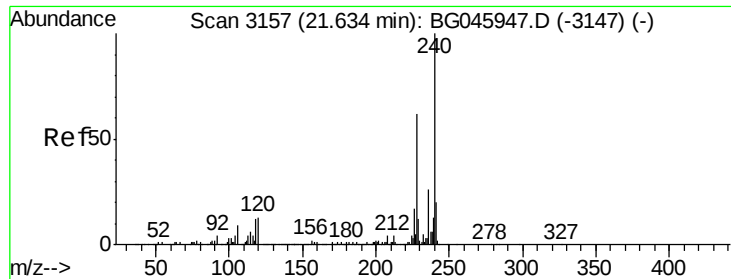
#67
 4-Bromophenyl-phenylether
 Concen: 4.431 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.46 min
 Lab File: BG046006.D
 Acq: 10 Jul 2020 14:26

Tgt Ion:248 Resp: 40409
 Ion Ratio Lower Upper
 248 100
 250 195.6 76.6 114.8#
 141 628.5 62.7 94.1#



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

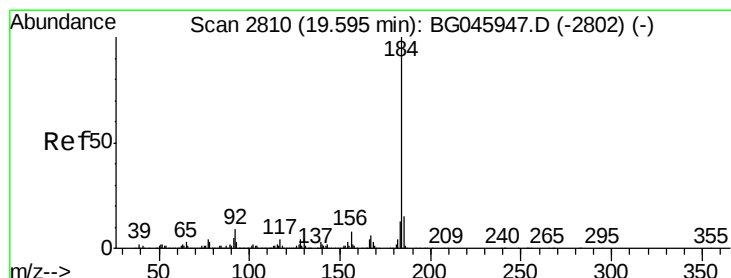
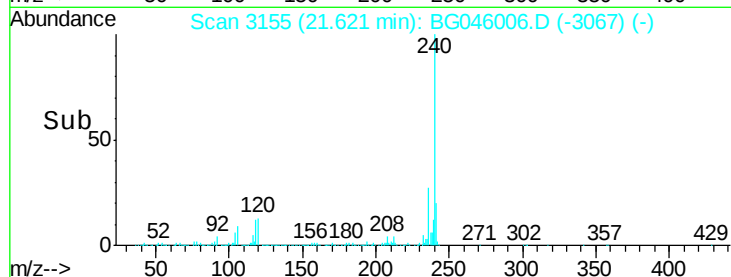
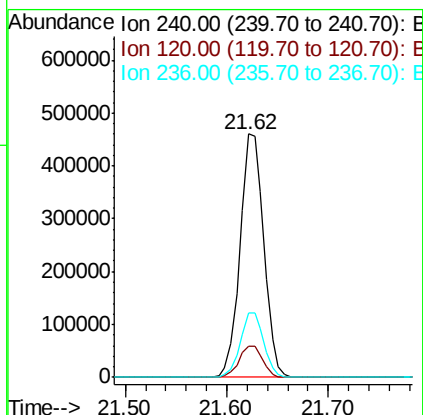
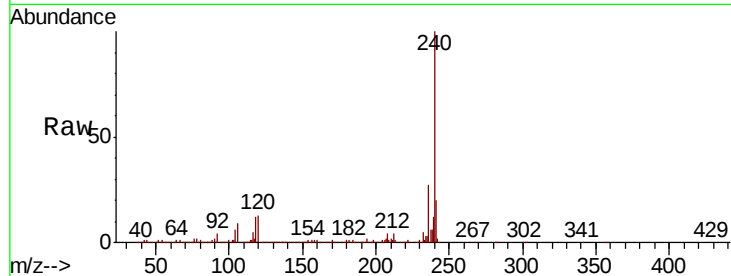




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.62 min Scan# 3155
Delta R.T. -0.01 min
Lab File: BG046006.D
Acq: 10 Jul 2020 14:26

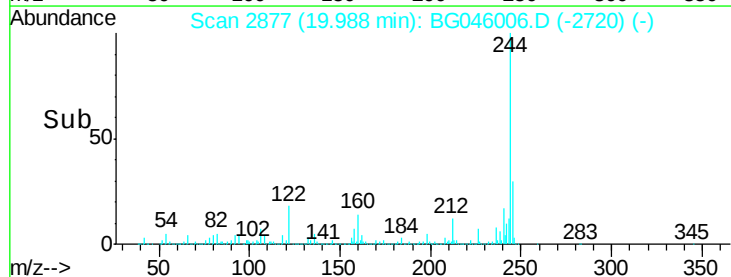
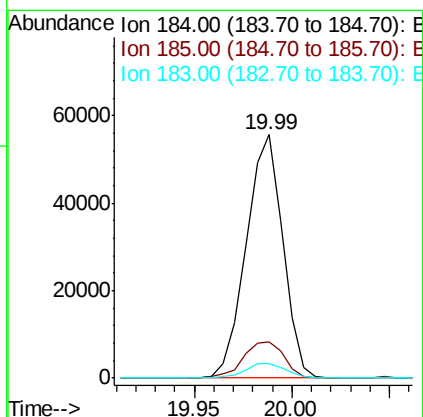
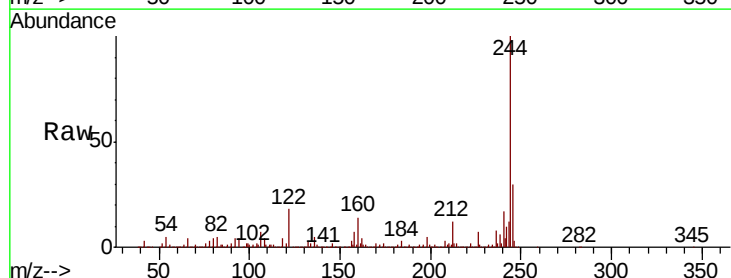
Instrument :
BNA_G
ClientSampleId :
MH-D19

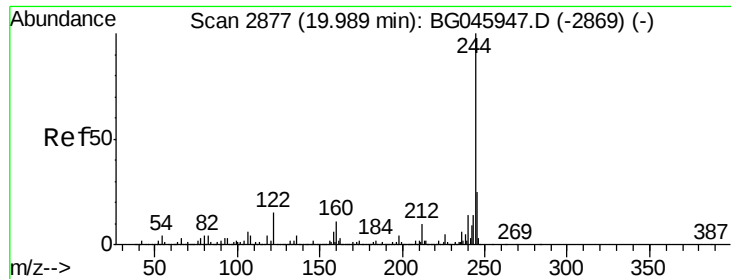
Tot Ion:240 Resp: 747322
Ion Ratio Lower Upper
240 100
120 12.9 10.6 16.0
236 26.7 20.4 30.6



#77
Benzidine
Concen: 3.371 ng
RT: 19.99 min Scan# 2877
Delta R.T. 0.39 min
Lab File: BG046006.D
Acq: 10 Jul 2020 14:26

Tgt Ion:184 Resp: 72023
Ion Ratio Lower Upper
184 100
185 14.9 11.6 17.4
183 6.2 10.4 15.6#





#79

Terphenyl-d14

Concen: 93.676 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG046006.D

Acq: 10 Jul 2020 14:26

Instrument :

BNA_G

ClientSampleId :

MH-D19

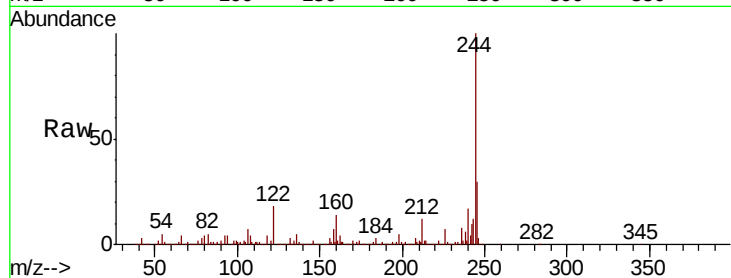
Tot Ion:244 Resp: 3145630

Ion Ratio Lower Upper

244 100

212 12.4 8.3 12.5

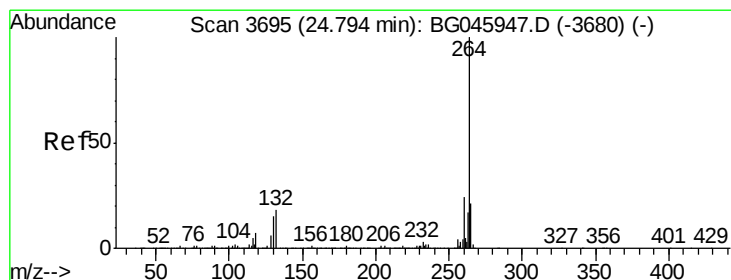
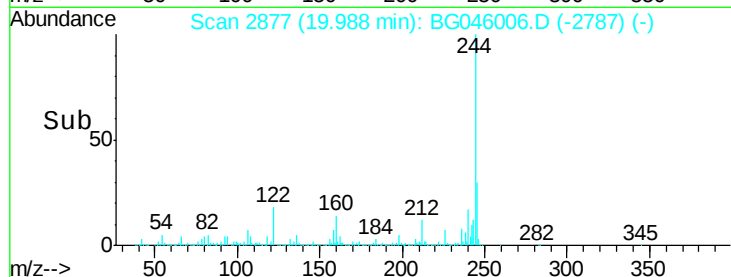
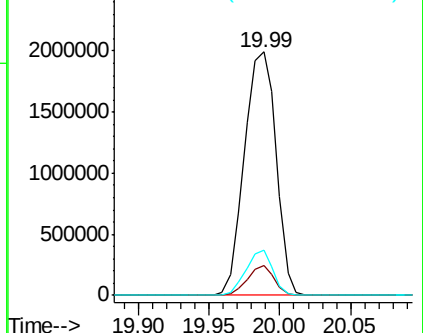
122 18.4 12.1 18.1#



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

Perylene-d12

Concen: 20.000 ng

RT: 24.78 min Scan# 3692

Delta R.T. -0.02 min

Lab File: BG046006.D

Acq: 10 Jul 2020 14:26

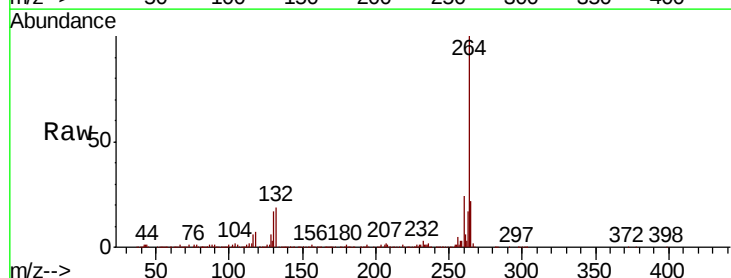
Tgt Ion:264 Resp: 732025

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

265 21.6 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

