

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121523\
 Data File : BG060037.D
 Acq On : 15 Dec 2023 15:51
 Operator : MA/JU
 Sample : 05791-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-1B-K-T

Quant Time: Dec 16 02:02:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 01:47:12 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.956	152	55910	20.000	ng	0.00
21) Naphthalene-d8	10.758	136	230000	20.000	ng	0.00
39) Acenaphthene-d10	14.595	164	191182	20.000	ng	0.00
64) Phenanthrene-d10	17.345	188	607267	20.000	ng	0.00
76) Chrysene-d12	21.610	240	698229	20.000	ng	0.00
86) Perylene-d12	24.806	264	800816	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.529	112	201459	61.683	ng	0.00
7) Phenol-d6	7.110	99	171162	37.256	ng	0.00
23) Nitrobenzene-d5	9.119	82	428380	84.574	ng	0.00
42) 2,4,6-Tribromophenol	16.081	330	660979	148.354	ng	0.00
45) 2-Fluorobiphenyl	13.220	172	1398750	89.544	ng	0.00
79) Terphenyl-d14	19.965	244	3565169	93.221	ng	0.00
Target Compounds						
						Qvalue
15) Benzyl Alcohol	8.185	79	9202	2.492	ng	# 88
19) n-Nitroso-di-n-propyla...	9.119	70	59784	20.170	ng	# 78
51) 2,6-Dinitrotoluene	14.595	165	25930	8.435	ng	# 23
57) 2,4-Dinitrotoluene	14.595	165	25930	6.001	ng	# 27
67) 4-Bromophenyl-phenylether	16.081	248	40460	4.722	ng	# 1
69) Atrazine	16.792	200	288	Below Cal		# 29
77) Benzidine	19.965	184	58569	6.530	ng	# 93

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

Quant Time: Dec 16 02:02:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 01:47:12 2023
Response via : Initial Calibration

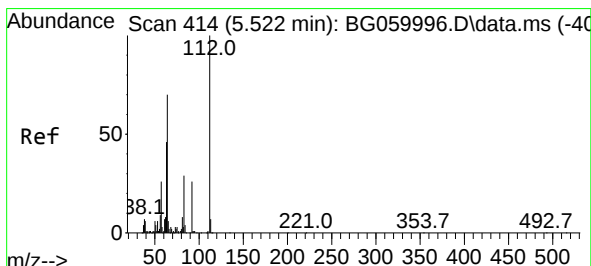
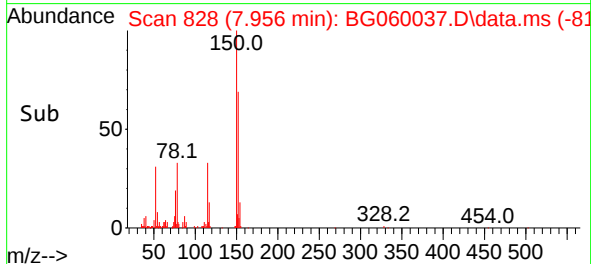
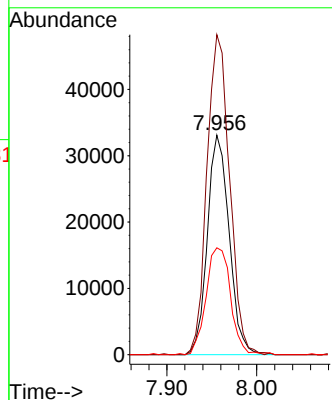
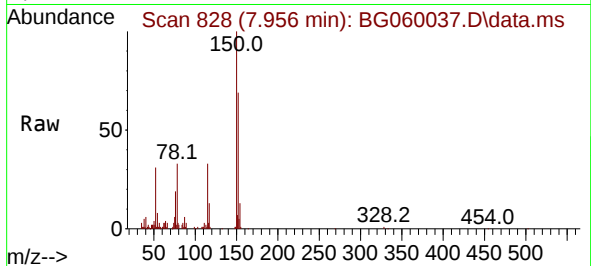




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.956 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG060037.D
Acq: 15 Dec 2023 15:51

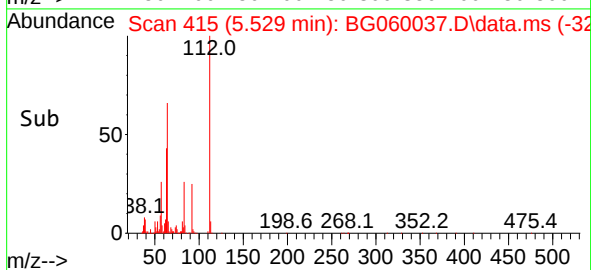
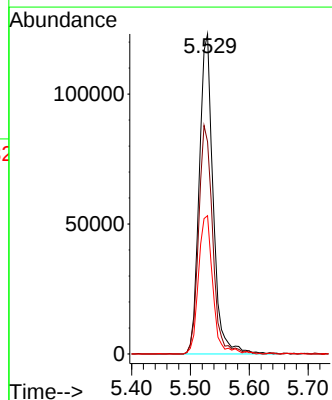
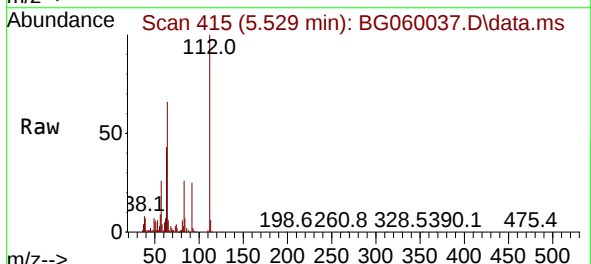
Instrument :
BNA_G
ClientSampleId :
MW-1B-K-T

Tgt Ion:152 Resp: 55910
Ion Ratio Lower Upper
152 100
150 145.8 127.0 190.6
115 48.7 45.7 68.5



#5
2-Fluorophenol
Concen: 61.683 ng
RT: 5.529 min Scan# 415
Delta R.T. 0.007 min
Lab File: BG060037.D
Acq: 15 Dec 2023 15:51

Tgt Ion:112 Resp: 201459
Ion Ratio Lower Upper
112 100
64 66.3 55.9 83.9
63 43.2 36.5 54.7

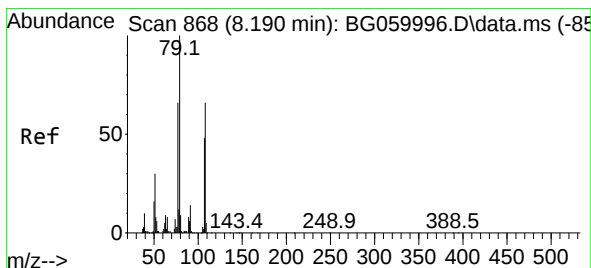
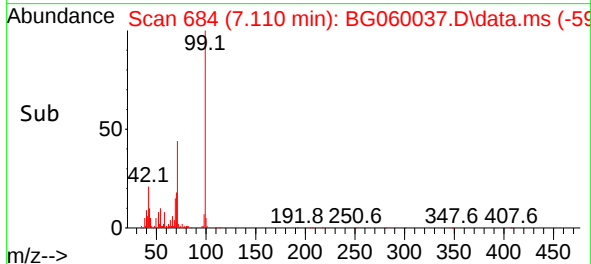
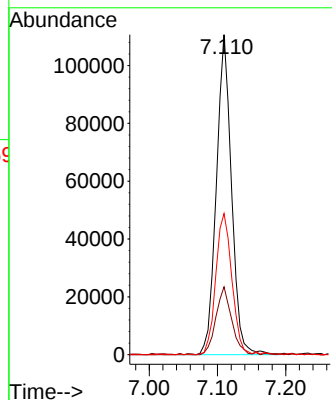
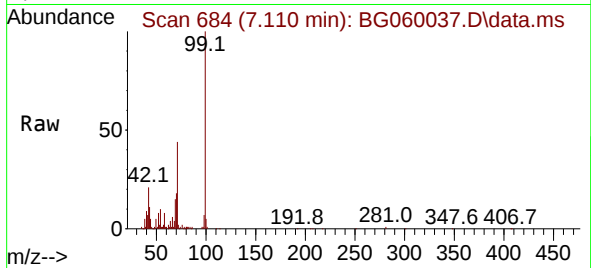




#7
Phenol-d6
Concen: 37.256 ng
RT: 7.110 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG060037.D
Acq: 15 Dec 2023 15:51

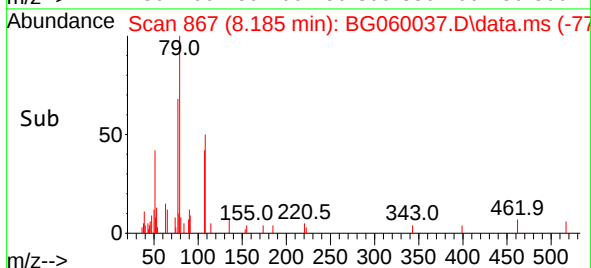
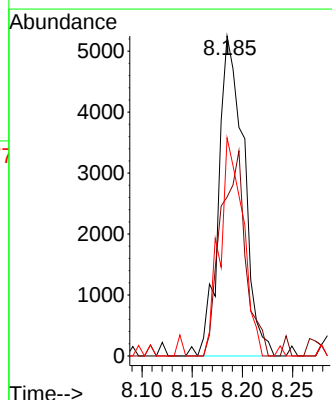
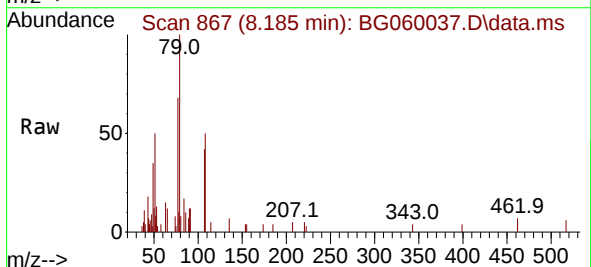
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BNA_G
ClientSampleId :
MW-1B-K-T

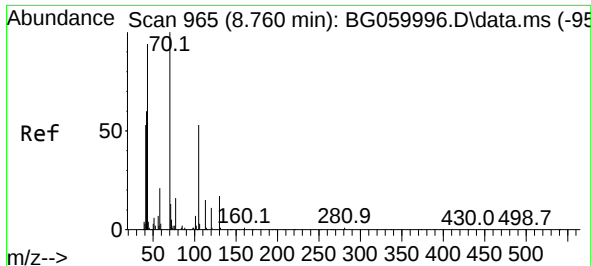
Tgt Ion: 99 Resp: 171162
Ion Ratio Lower Upper
99 100
42 21.2 16.2 24.4
71 44.1 37.6 56.4



#15
Benzyl Alcohol
Concen: 2.492 ng
RT: 8.185 min Scan# 867
Delta R.T. -0.005 min
Lab File: BG060037.D
Acq: 15 Dec 2023 15:51

Tgt Ion: 79 Resp: 9202
Ion Ratio Lower Upper
79 100
108 49.6 53.1 79.7#
77 68.2 52.8 79.2

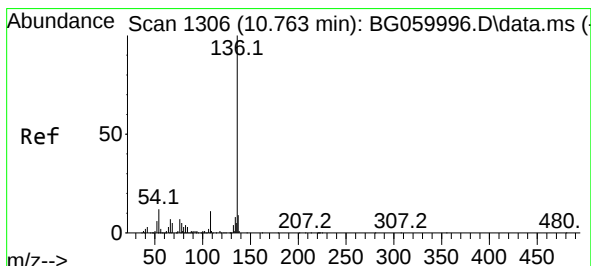
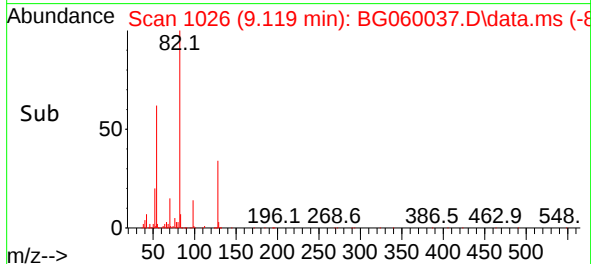
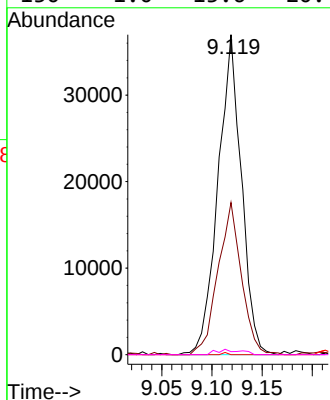
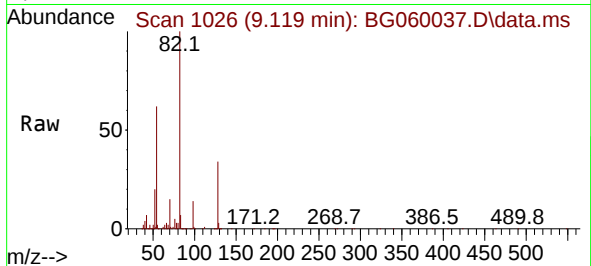




#19
n-Nitroso-di-n-propylamine
Concen: 20.170 ng
RT: 9.119 min Scan# 1026
Delta R.T. 0.359 min
Lab File: BG060037.D
Acq: 15 Dec 2023 15:51

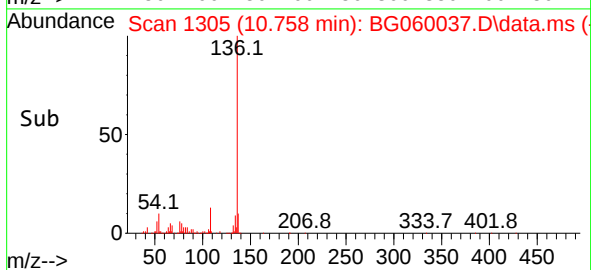
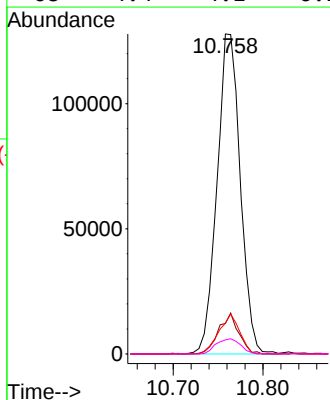
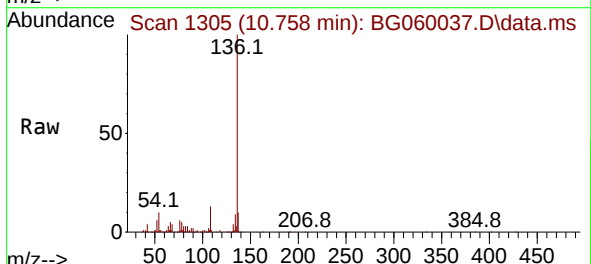
Instrument :
BNA_G
ClientSampleId :
MW-1B-K-T

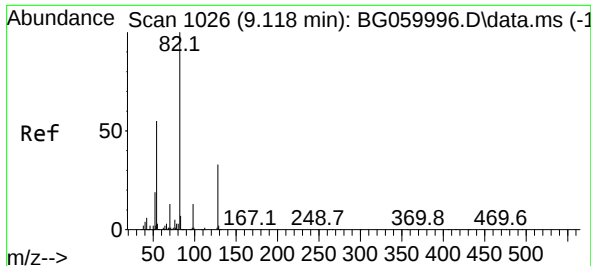
Tgt Ion: 70 Resp: 59784
Ion Ratio Lower Upper
70 100
42 47.5 48.6 73.0#
101 0.0 5.7 8.5#
130 1.0 13.6 20.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.758 min Scan# 1305
Delta R.T. -0.005 min
Lab File: BG060037.D
Acq: 15 Dec 2023 15:51

Tgt Ion:136 Resp: 230000
Ion Ratio Lower Upper
136 100
137 9.5 7.3 10.9
54 9.6 9.6 14.4
68 4.4 4.1 6.1

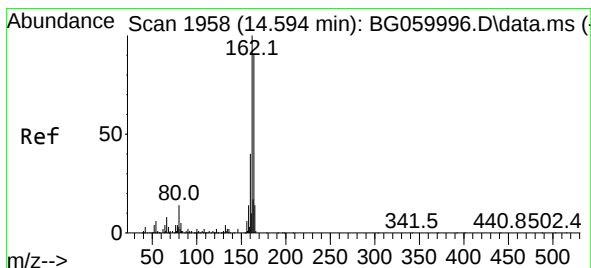
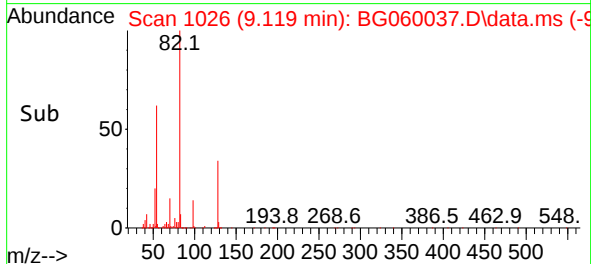
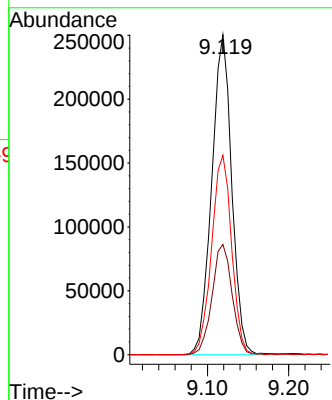
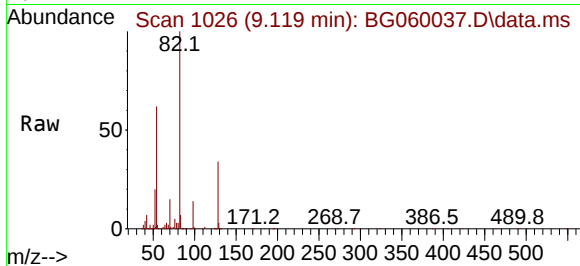




#23
Nitrobenzene-d5
Concen: 84.574 ng
RT: 9.119 min Scan# 1026
Delta R.T. 0.001 min
Lab File: BG060037.D
Acq: 15 Dec 2023 15:51

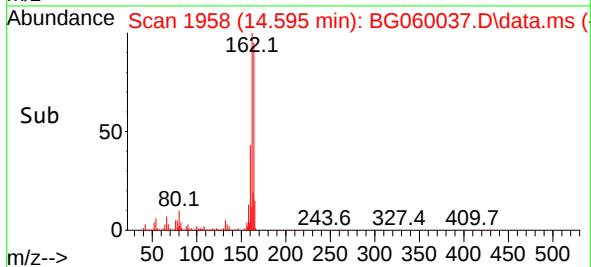
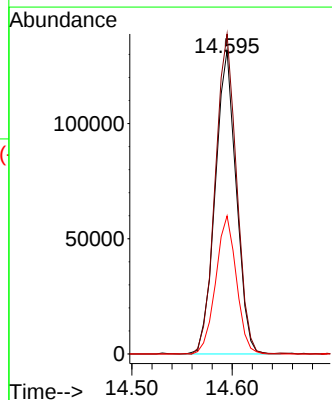
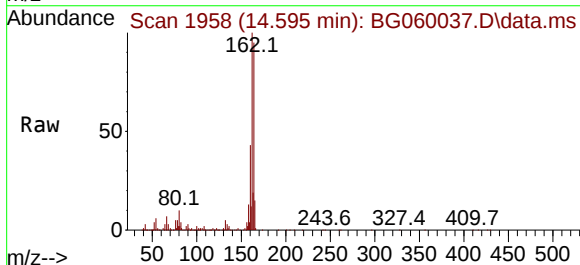
Instrument :
BNA_G
ClientSampleId :
MW-1B-K-T

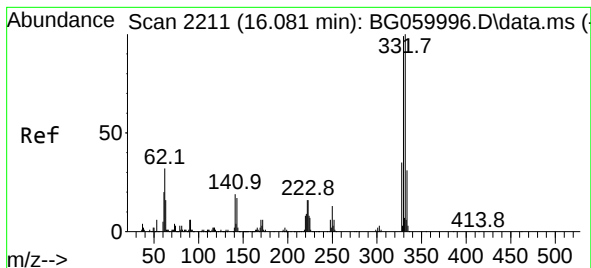
Tgt Ion: 82 Resp: 428380
Ion Ratio Lower Upper
82 100
128 34.4 26.3 39.5
54 62.3 44.3 66.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.595 min Scan# 1958
Delta R.T. 0.001 min
Lab File: BG060037.D
Acq: 15 Dec 2023 15:51

Tgt Ion:164 Resp: 191182
Ion Ratio Lower Upper
164 100
162 105.4 88.1 132.1
160 45.5 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 148.354 ng

RT: 16.081 min Scan# 21

Delta R.T. 0.001 min

Lab File: BG060037.D

Acq: 15 Dec 2023 15:51

Instrument :

BNA_G

ClientSampleId :

MW-1B-K-T

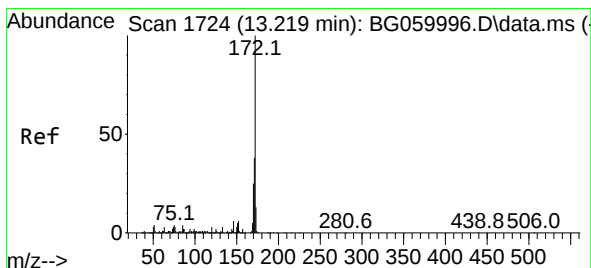
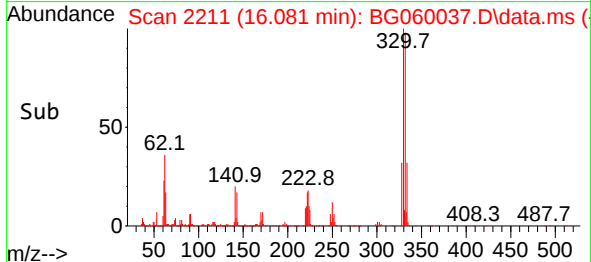
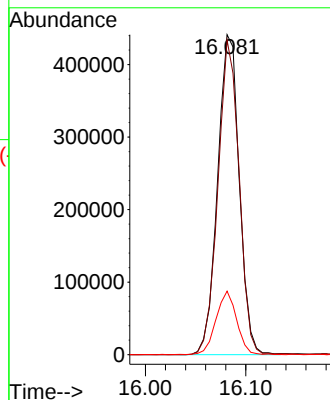
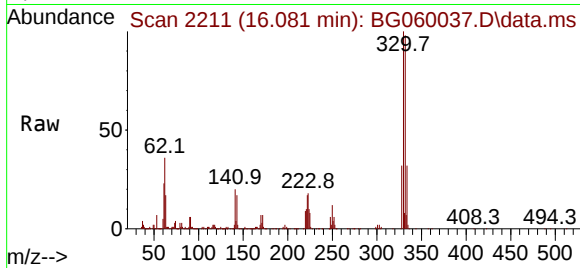
Tgt Ion:330 Resp: 660979

Ion Ratio Lower Upper

330 100

332 96.1 76.2 114.4

141 19.0 14.3 21.5



#45

2-Fluorobiphenyl

Concen: 89.544 ng

RT: 13.220 min Scan# 1724

Delta R.T. 0.001 min

Lab File: BG060037.D

Acq: 15 Dec 2023 15:51

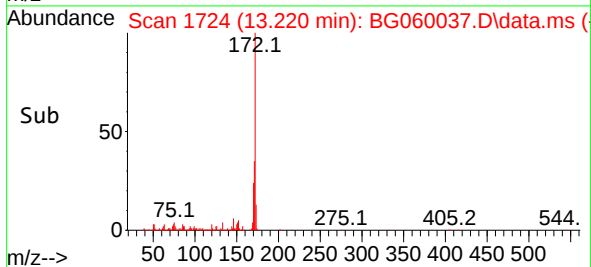
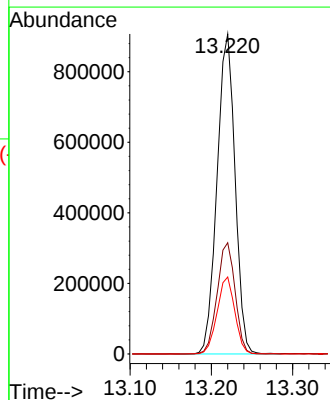
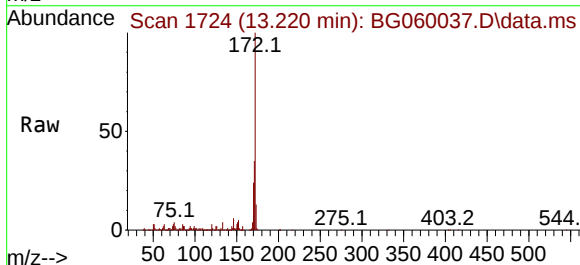
Tgt Ion:172 Resp: 1398750

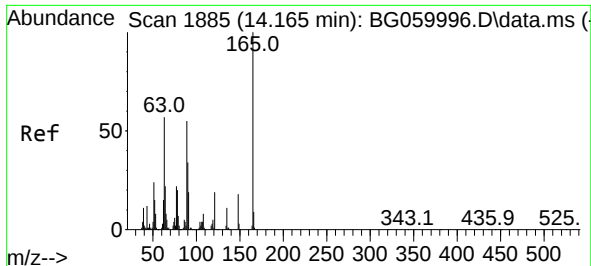
Ion Ratio Lower Upper

172 100

171 34.7 30.1 45.1

170 24.1 20.0 30.0

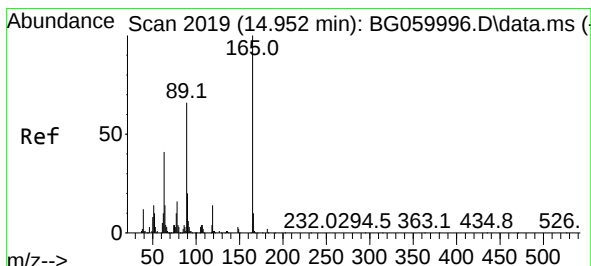
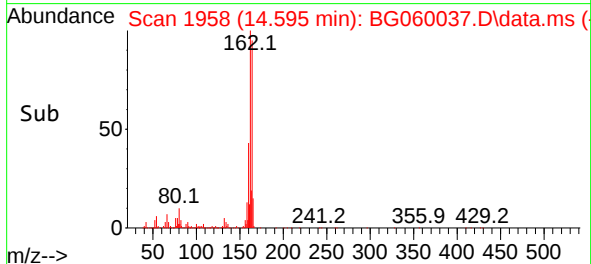
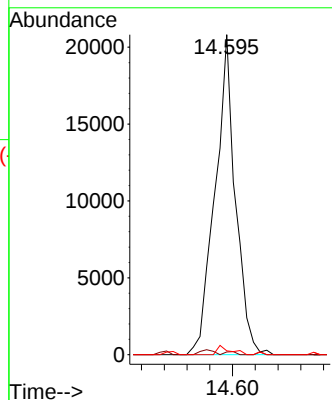
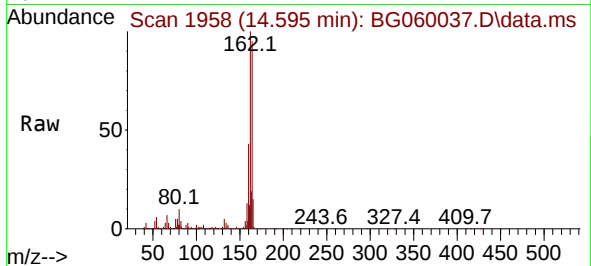




#51
2,6-Dinitrotoluene
Concen: 8.435 ng
RT: 14.595 min Scan# 1958
Delta R.T. 0.430 min
Lab File: BG060037.D
Acq: 15 Dec 2023 15:51

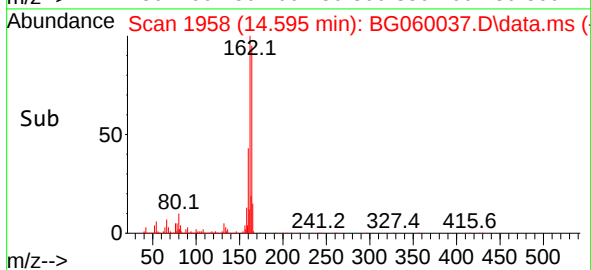
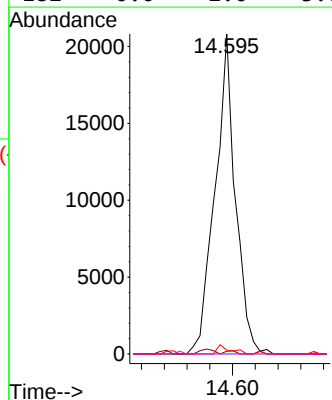
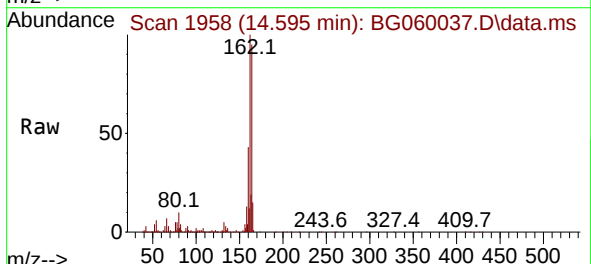
Instrument :
BNA_G
ClientSampleId :
MW-1B-K-T

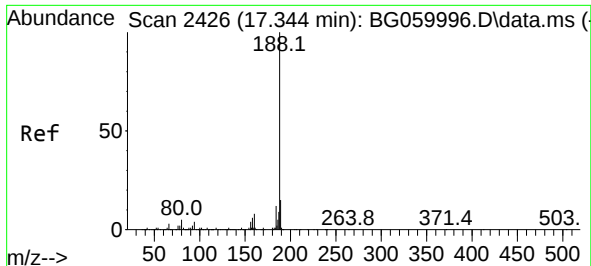
Tgt Ion:165 Resp: 25930
Ion Ratio Lower Upper
165 100
63 0.8 48.2 72.2#
89 1.2 44.4 66.6#



#57
2,4-Dinitrotoluene
Concen: 6.001 ng
RT: 14.595 min Scan# 1958
Delta R.T. -0.358 min
Lab File: BG060037.D
Acq: 15 Dec 2023 15:51

Tgt Ion:165 Resp: 25930
Ion Ratio Lower Upper
165 100
63 0.8 32.8 49.2#
89 1.2 53.0 79.6#
182 0.0 2.0 3.0#

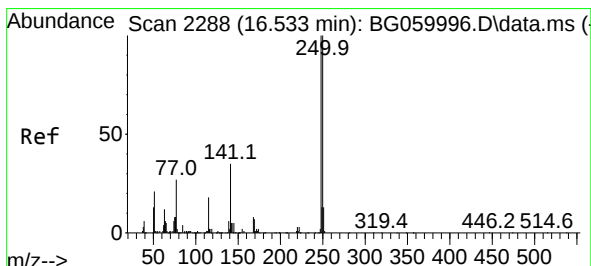
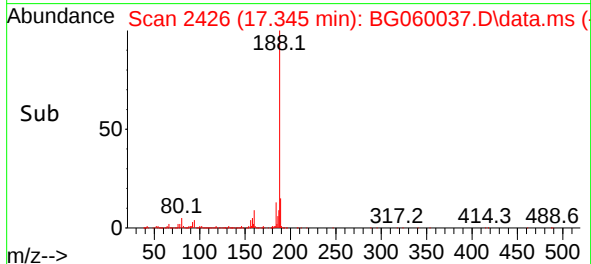
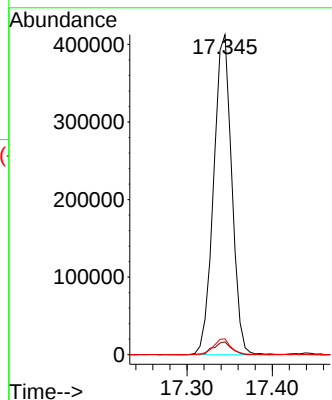
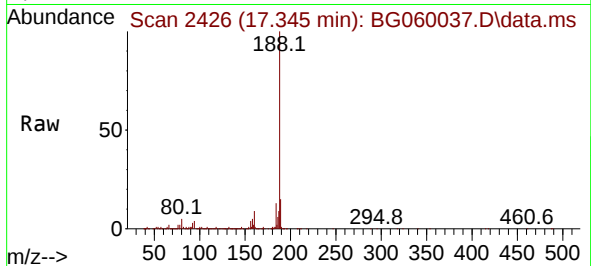




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.345 min Scan# 2426
Delta R.T. 0.001 min
Lab File: BG060037.D
Acq: 15 Dec 2023 15:51

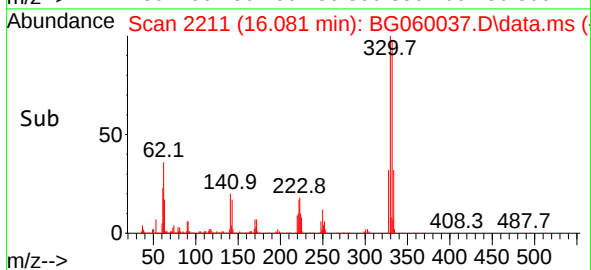
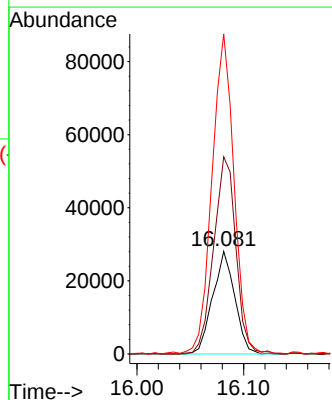
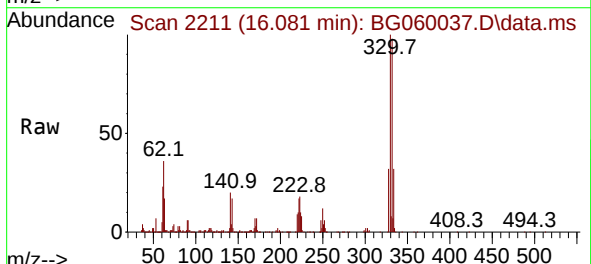
Instrument :
BNA_G
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MW-1B-K-T

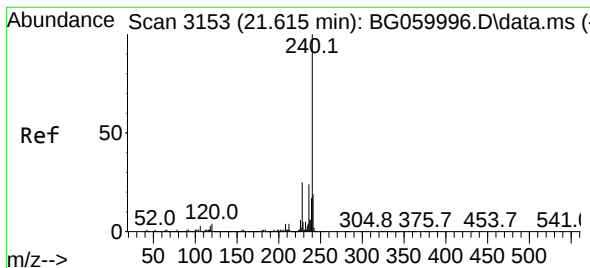
Tgt Ion:188 Resp: 607267
Ion Ratio Lower Upper
188 100
94 4.0 3.0 4.6
80 5.0 4.0 6.0



#67
4-Bromophenyl-phenylether
Concen: 4.722 ng
RT: 16.081 min Scan# 2211
Delta R.T. -0.452 min
Lab File: BG060037.D
Acq: 15 Dec 2023 15:51

Tgt Ion:248 Resp: 40460
Ion Ratio Lower Upper
248 100
250 192.0 79.9 119.9#
141 311.7 28.3 42.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.610 min Scan# 3152

Delta R.T. -0.005 min

Lab File: BG060037.D

Acq: 15 Dec 2023 15:51

Instrument :

BNA_G

ClientSampleId :

MW-1B-K-T

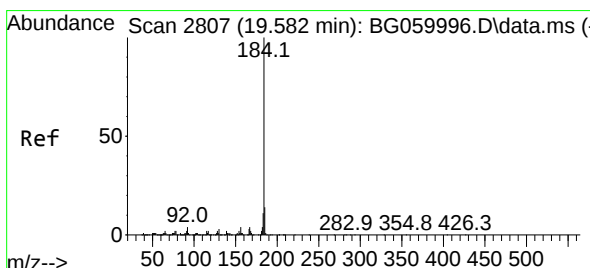
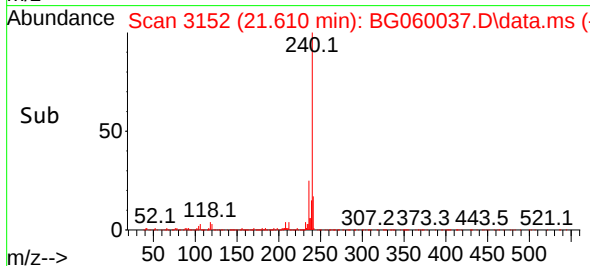
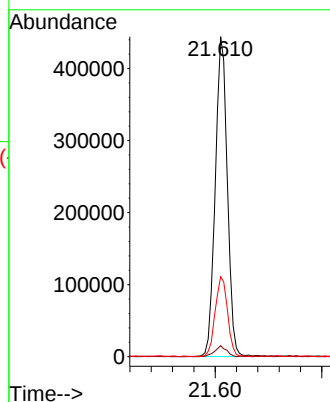
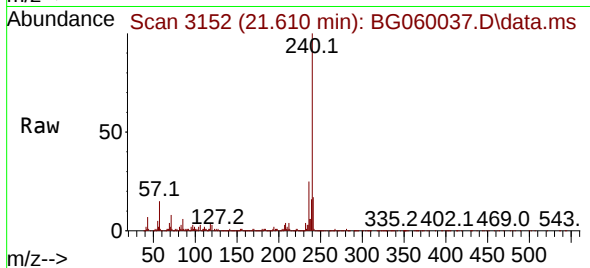
Tgt Ion:240 Resp: 698229

Ion Ratio Lower Upper

240 100

120 3.5 2.9 4.3

236 25.0 19.4 29.2



#77

Benzidine

Concen: 6.530 ng

RT: 19.965 min Scan# 2872

Delta R.T. 0.383 min

Lab File: BG060037.D

Acq: 15 Dec 2023 15:51

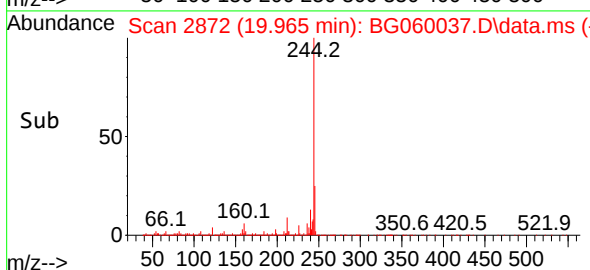
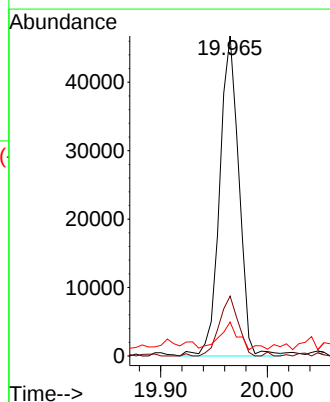
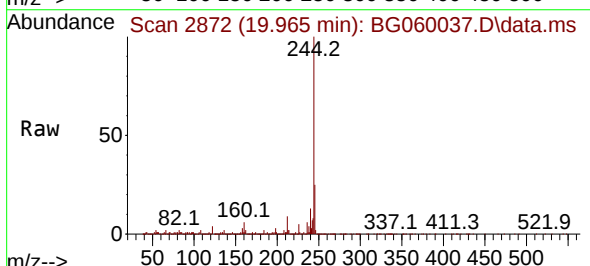
Tgt Ion:184 Resp: 58569

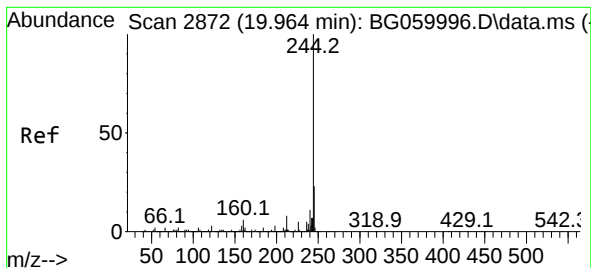
Ion Ratio Lower Upper

184 100

185 18.7 11.1 16.7#

183 10.6 9.0 13.4





#79

Terphenyl-d14

Concen: 93.221 ng

RT: 19.965 min Scan# 2

Delta R.T. 0.001 min

Lab File: BG060037.D

Acq: 15 Dec 2023 15:51

Instrument :

BNA_G

ClientSampleId :

MW-1B-K-T

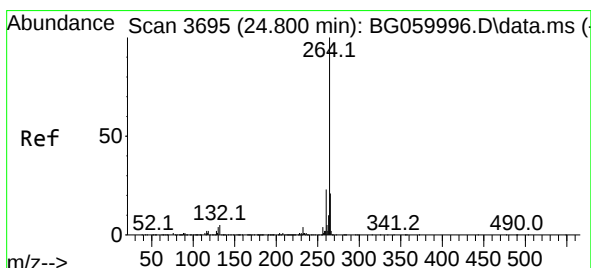
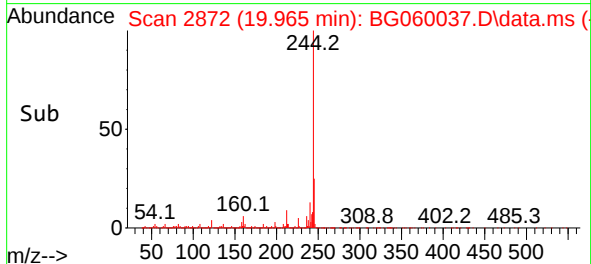
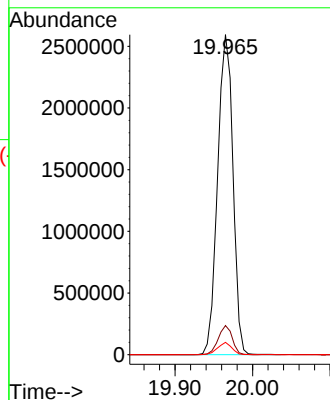
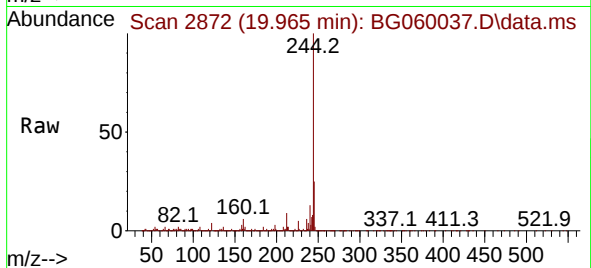
Tgt Ion:244 Resp: 3565169

Ion Ratio Lower Upper

244 100

212 9.1 6.8 10.2

122 3.8 2.6 3.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.806 min Scan# 3696

Delta R.T. 0.007 min

Lab File: BG060037.D

Acq: 15 Dec 2023 15:51

Tgt Ion:264 Resp: 800816

Ion Ratio Lower Upper

264 100

260 23.6 18.5 27.7

265 22.6 17.3 25.9

