

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122223\
 Data File : BG060142.D
 Acq On : 22 Dec 2023 17:32
 Operator : MA/JU
 Sample : 05900-23
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GHL-SS-65a

Quant Time: Dec 23 05:45:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 03:42:04 2023
 Response via : Initial Calibration

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

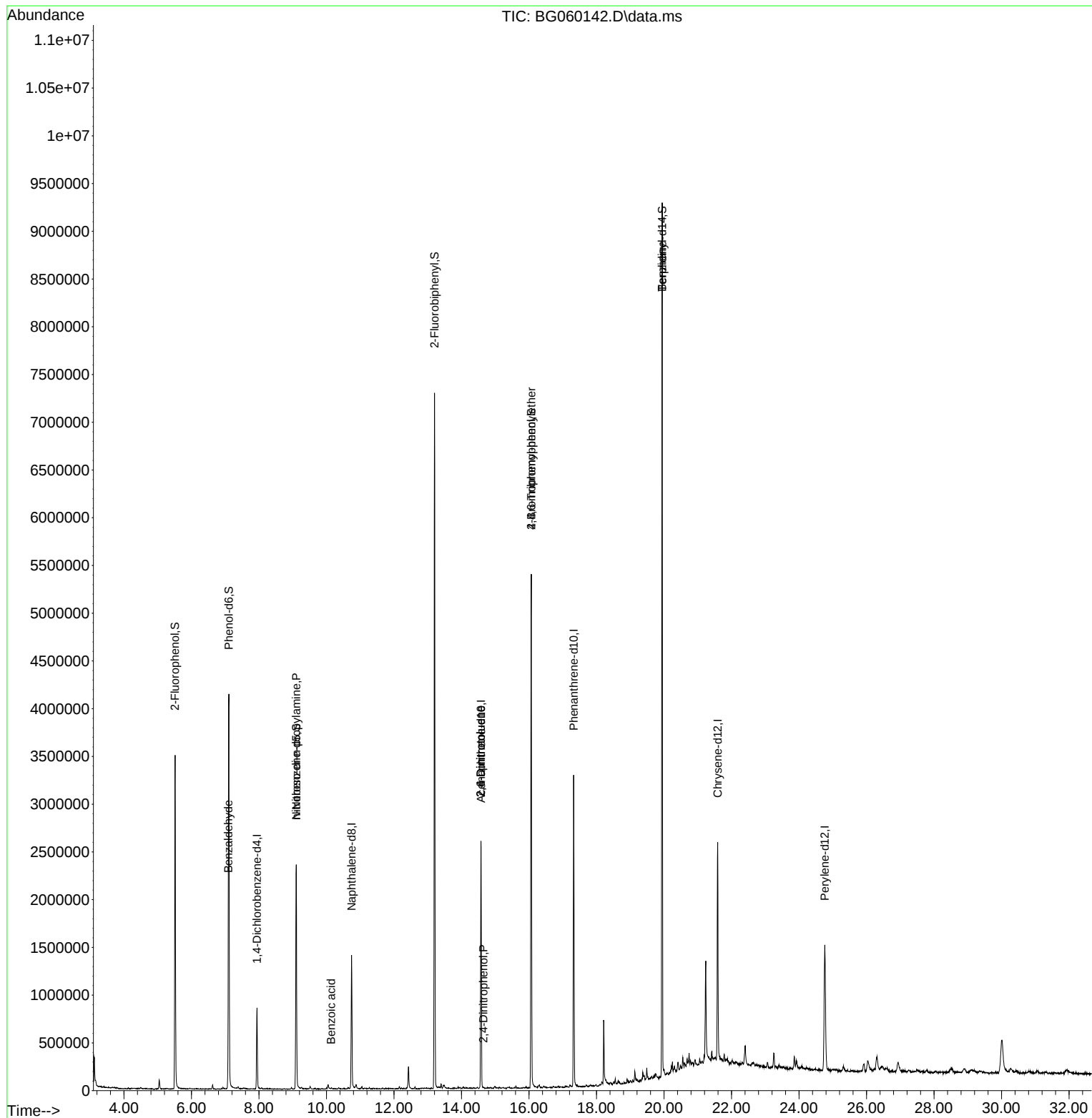
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	253369	20.000	ng	# 0.00
21) Naphthalene-d8	10.744	136	1189865	20.000	ng	0.00
39) Acenaphthene-d10	14.581	164	922450	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	2094615	20.000	ng	0.00
76) Chrysene-d12	21.590	240	1291387	20.000	ng	0.00
86) Perylene-d12	24.763	264	1429621	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.515	112	1644150	102.250	ng	0.00
7) Phenol-d6	7.107	99	2623353	96.941	ng	0.00
23) Nitrobenzene-d5	9.105	82	1537340	63.293	ng	0.00
42) 2,4,6-Tribromophenol	16.067	330	1076152	86.646	ng	0.00
45) 2-Fluorobiphenyl	13.200	172	3825254	62.267	ng	0.00
79) Terphenyl-d14	19.945	244	4227227	59.233	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.089	77	39844	2.654	ng	# 79
19) n-Nitroso-di-n-propyla...	9.105	70	193523	9.197	ng	# 79
32) Benzoic acid	10.133	122	520	5.121	ng	88
51) 2,6-Dinitrotoluene	14.575	165	120581	7.430	ng	# 24
54) 2,4-Dinitrophenol	14.645	184	107	6.628	ng	# 22
57) 2,4-Dinitrotoluene	14.575	165	120581	5.061	ng	# 24
67) 4-Bromophenyl-phenylether	16.067	248	67371	3.414	ng	# 1
77) Benzidine	19.945	184	73386	2.102	ng	# 91

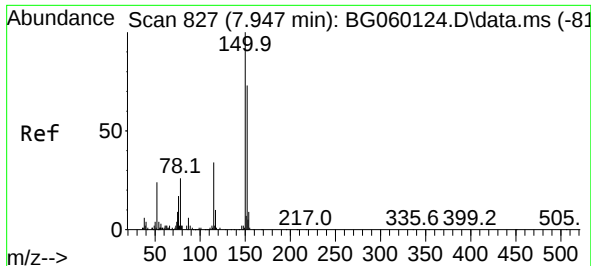
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122223\
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GHL-SS-65a

Quant Time: Dec 23 05:45:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 03:42:04 2023
Response via : Initial Calibration

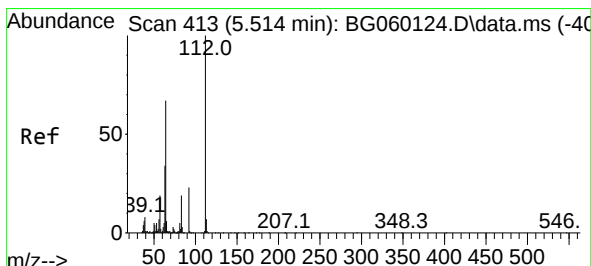
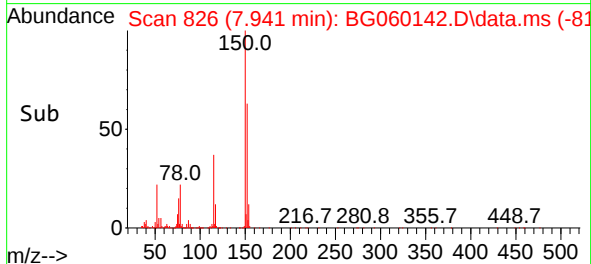
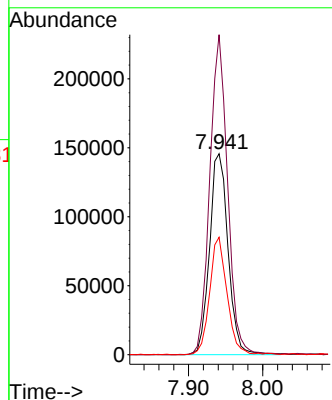
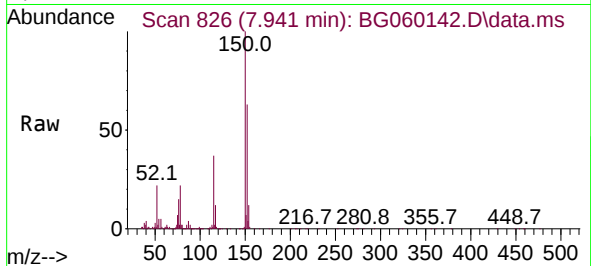




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.941 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG060142.D
Acq: 22 Dec 2023 17:32

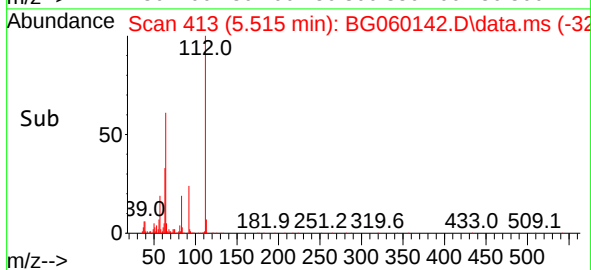
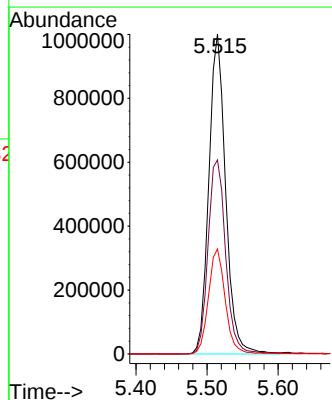
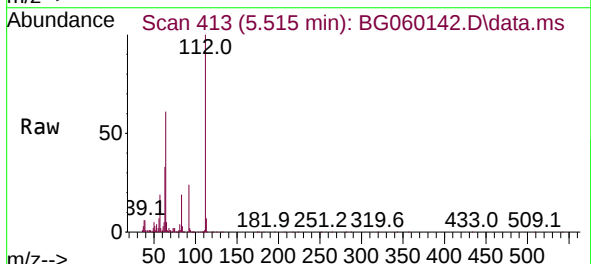
Instrument :
BNA_G
ClientSampleId :
GHL-SS-65a

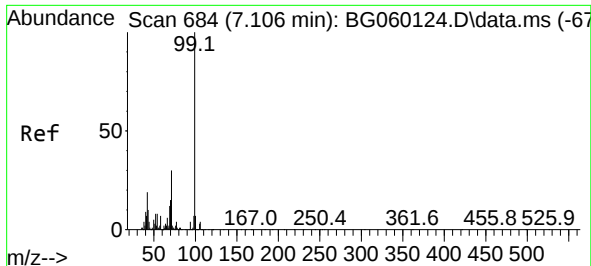
Tgt Ion:152 Resp: 253369
Ion Ratio Lower Upper
152 100
150 159.2 109.4 164.0
115 58.4 36.5 54.7#



#5
2-Fluorophenol
Concen: 102.250 ng
RT: 5.515 min Scan# 413
Delta R.T. 0.001 min
Lab File: BG060142.D
Acq: 22 Dec 2023 17:32

Tgt Ion:112 Resp: 1644150
Ion Ratio Lower Upper
112 100
64 60.6 53.3 79.9
63 32.8 27.1 40.7



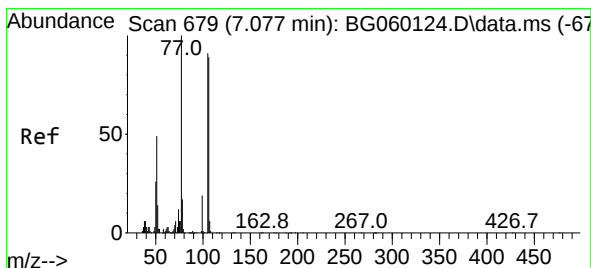
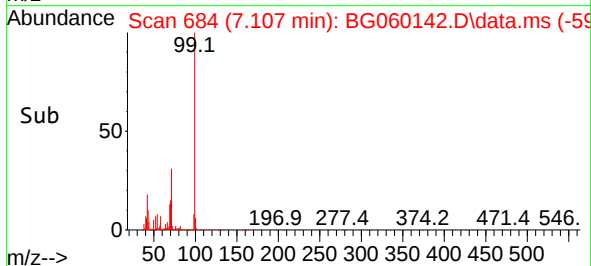
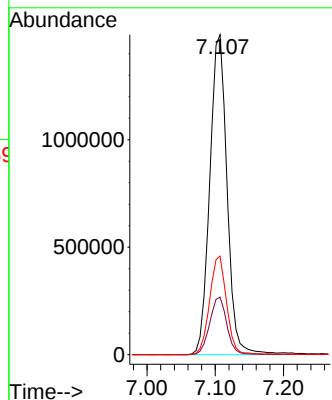
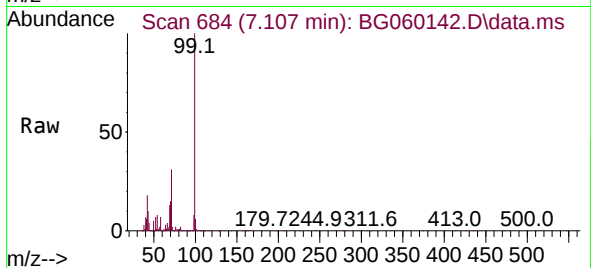


#7
Phenol-d6
Concen: 96.941 ng
RT: 7.107 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG060142.D
Acq: 22 Dec 2023 17:32

Instrument :
BNA_G
ClientSampleId :
GHL-SS-65a

Tgt Ion: 99 Resp: 2623353

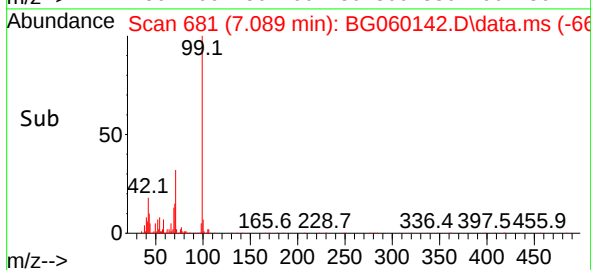
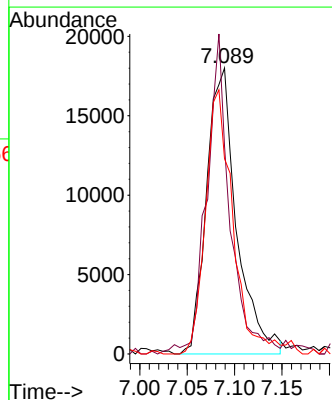
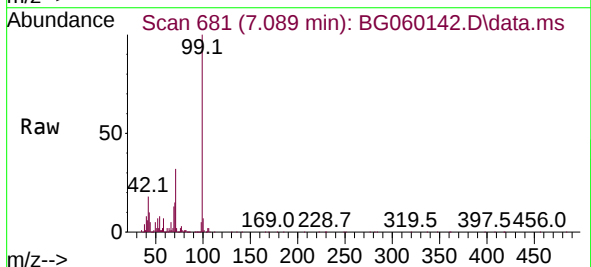
Ion	Ratio	Lower	Upper
99	100		
42	18.0	15.2	22.8
71	30.8	24.2	36.2

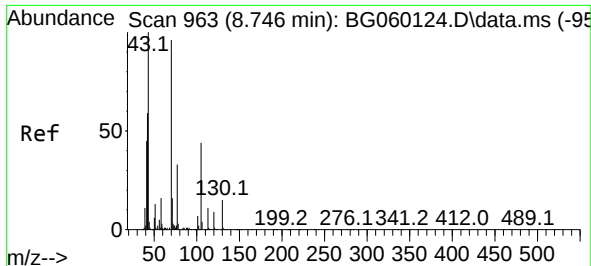


#9
Benzaldehyde
Concen: 2.654 ng
RT: 7.089 min Scan# 681
Delta R.T. 0.012 min
Lab File: BG060142.D
Acq: 22 Dec 2023 17:32

Tgt Ion: 77 Resp: 39844

Ion	Ratio	Lower	Upper
77	100		
105	72.8	71.4	111.4
106	68.3	68.8	108.8

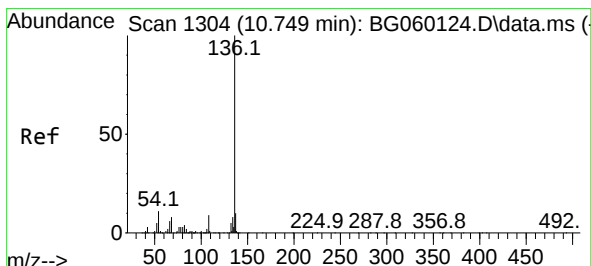
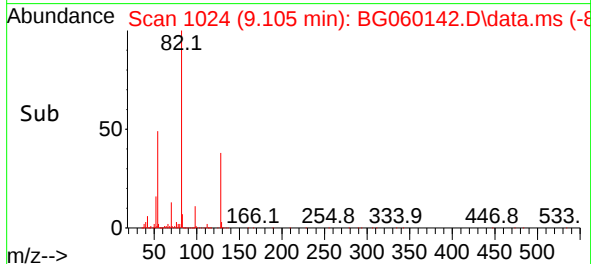
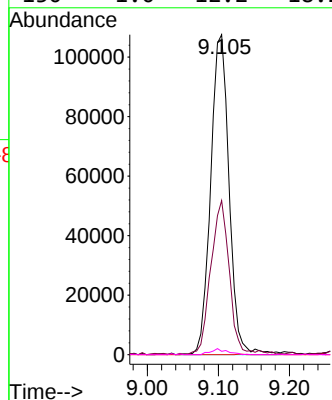
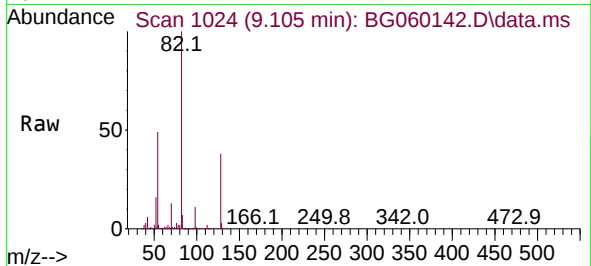




#19
n-Nitroso-di-n-propylamine
Concen: 9.197 ng
RT: 9.105 min Scan# 1024
Delta R.T. 0.359 min
Lab File: BG060142.D
Acq: 22 Dec 2023 17:32

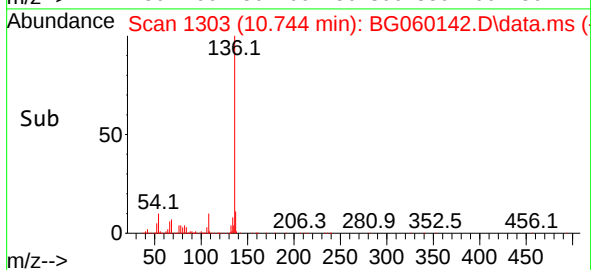
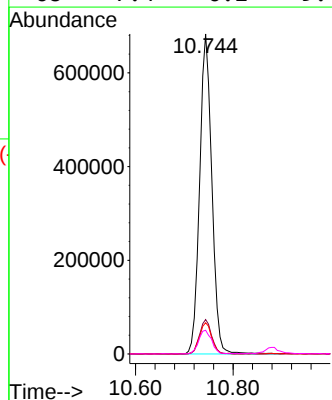
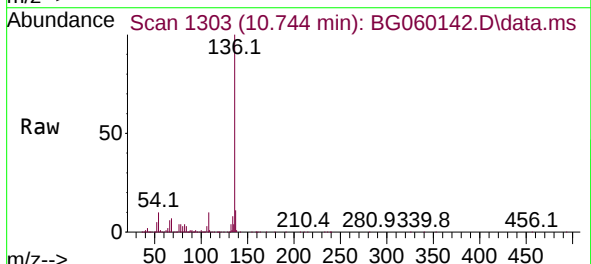
Instrument :
BNA_G
ClientSampleId :
GHL-SS-65a

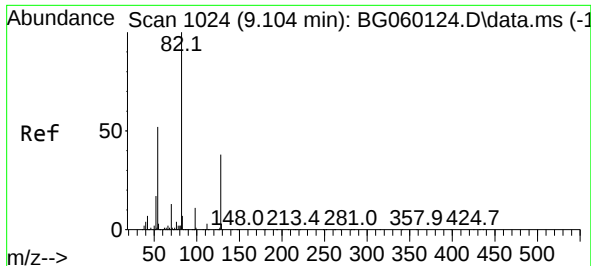
Tgt Ion: 70 Resp: 193523
Ion Ratio Lower Upper
70 100
42 48.1 49.6 74.4#
101 0.0 6.2 9.4#
130 1.0 12.2 18.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.744 min Scan# 1303
Delta R.T. -0.005 min
Lab File: BG060142.D
Acq: 22 Dec 2023 17:32

Tgt Ion:136 Resp: 1189865
Ion Ratio Lower Upper
136 100
137 10.8 8.1 12.1
54 9.8 8.7 13.1
68 7.4 6.2 9.4





#23

Nitrobenzene-d5

Concen: 63.293 ng

RT: 9.105 min Scan# 1199

Delta R.T. 0.001 min

Lab File: BG060142.D

Acq: 22 Dec 2023 17:32

Instrument :

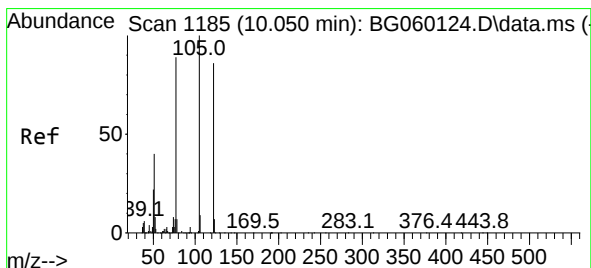
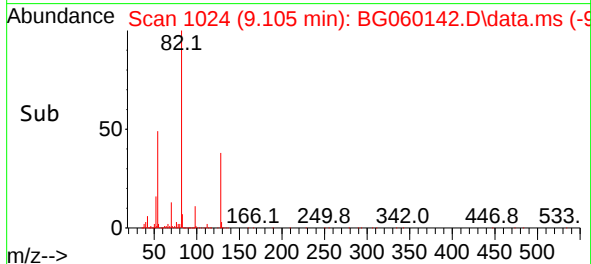
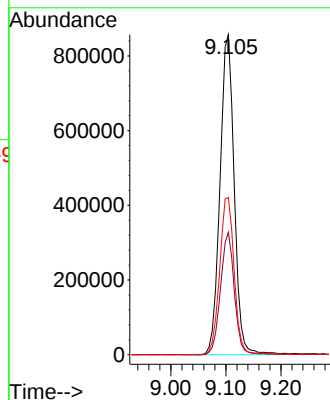
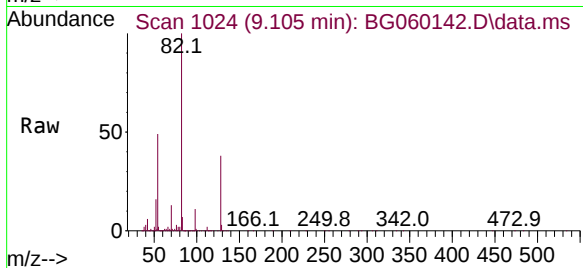
BNA_G

ClientSampleId :

GHL-SS-65a

Tgt Ion: 82 Resp: 1537340

Ion	Ratio	Lower	Upper
82	100		
128	38.3	30.5	45.7
54	49.1	41.9	62.9



#32

Benzoic acid

Concen: 5.121 ng

RT: 10.133 min Scan# 1199

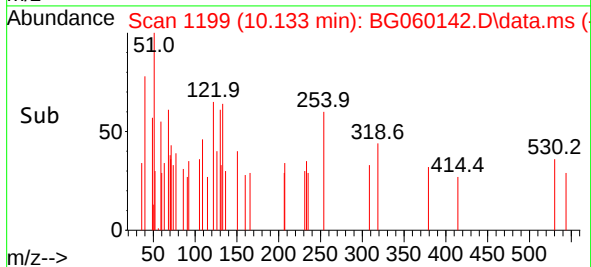
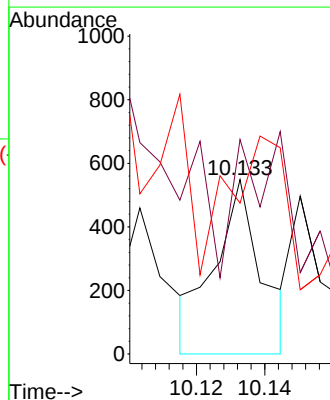
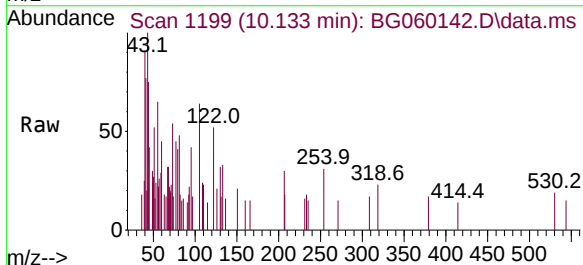
Delta R.T. 0.083 min

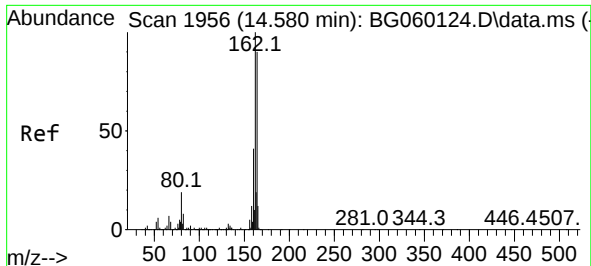
Lab File: BG060142.D

Acq: 22 Dec 2023 17:32

Tgt Ion: 122 Resp: 520

Ion	Ratio	Lower	Upper
122	100		
105	123.0	93.2	133.2
77	86.5	81.7	121.7

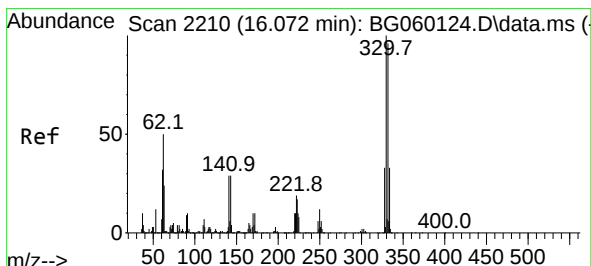
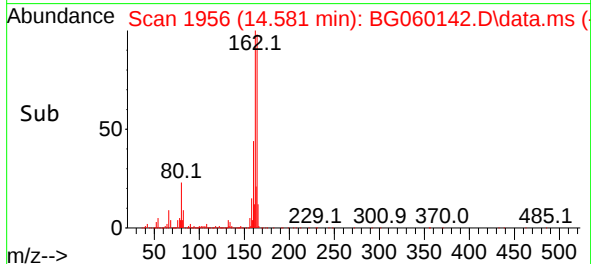
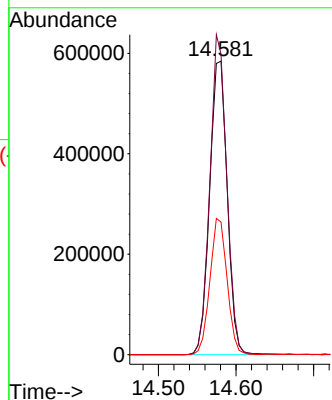
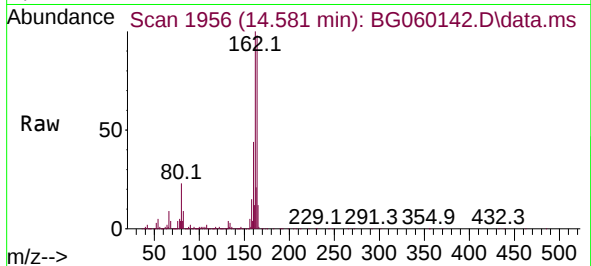




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.581 min Scan# 1956
Delta R.T. 0.001 min
Lab File: BG060142.D
Acq: 22 Dec 2023 17:32

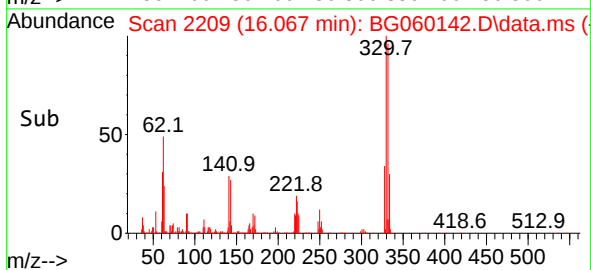
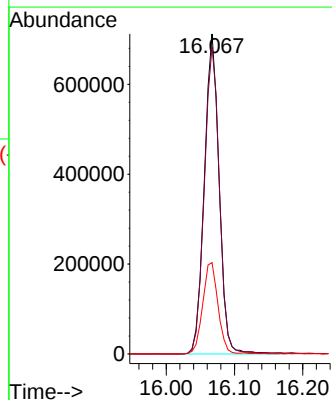
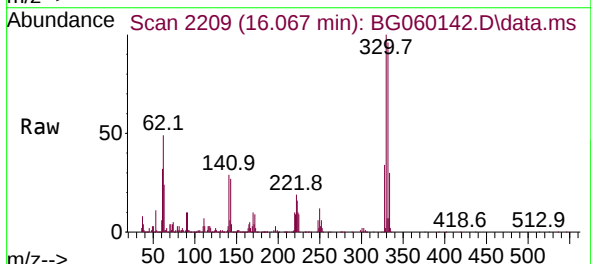
Instrument :
BNA_G
ClientSampleId :
GHL-SS-65a

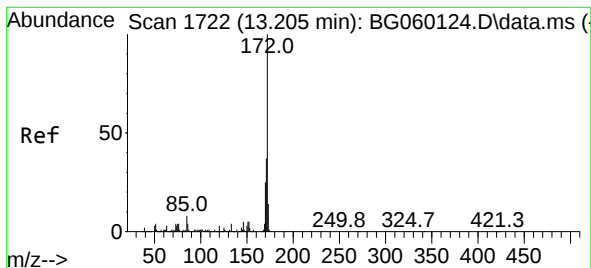
Tgt Ion:164 Resp: 922450
Ion Ratio Lower Upper
164 100
162 102.4 88.5 132.7
160 45.2 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 86.646 ng
RT: 16.067 min Scan# 2209
Delta R.T. -0.005 min
Lab File: BG060142.D
Acq: 22 Dec 2023 17:32

Tgt Ion:330 Resp: 1076152
Ion Ratio Lower Upper
330 100
332 97.6 75.5 113.3
141 29.5 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 62.267 ng

RT: 13.200 min Scan# 1

Delta R.T. -0.005 min

Lab File: BG060142.D

Acq: 22 Dec 2023 17:32

Instrument :

BNA_G

ClientSampleId :

GHL-SS-65a

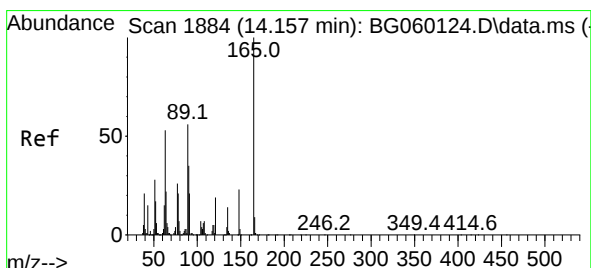
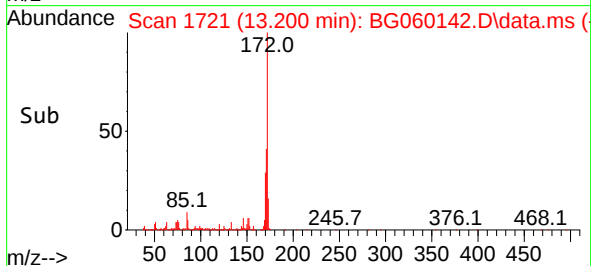
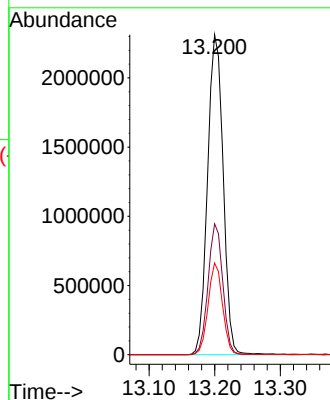
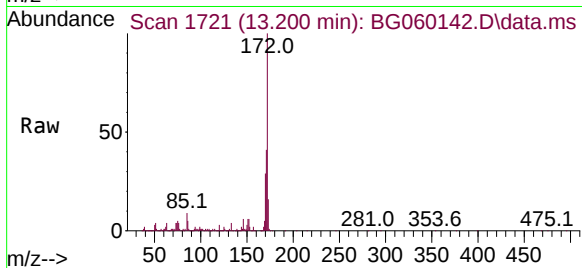
Tgt Ion:172 Resp: 3825254

Ion Ratio Lower Upper

172 100

171 40.9 29.2 43.8

170 28.6 20.1 30.1



#51

2,6-Dinitrotoluene

Concen: 7.430 ng

RT: 14.575 min Scan# 1955

Delta R.T. 0.418 min

Lab File: BG060142.D

Acq: 22 Dec 2023 17:32

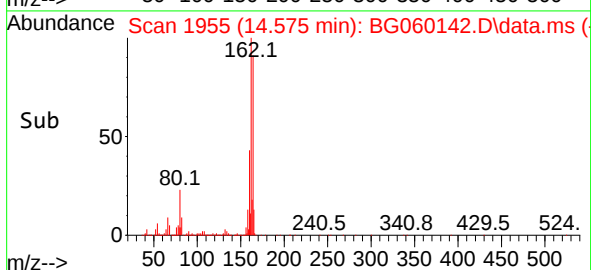
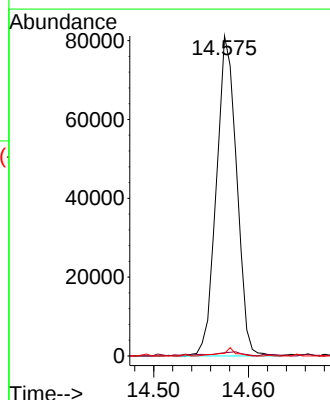
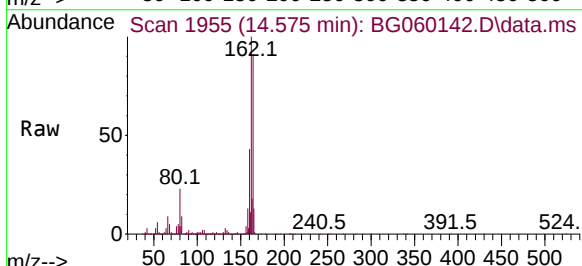
Tgt Ion:165 Resp: 120581

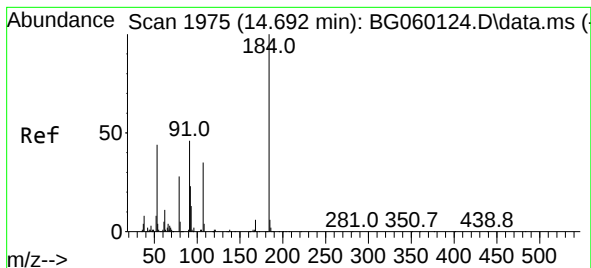
Ion Ratio Lower Upper

165 100

63 1.0 45.4 68.2#

89 0.8 44.6 66.8#

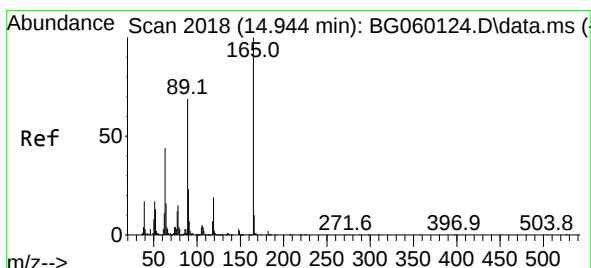
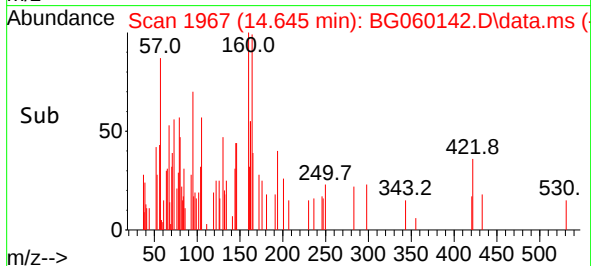
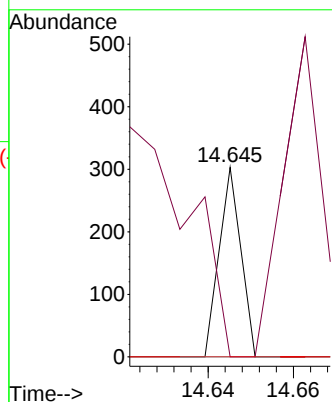
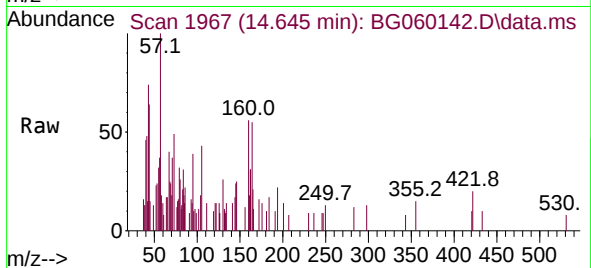




#54
2,4-Dinitrophenol
Concen: 6.628 ng
RT: 14.645 min Scan# 1954
Delta R.T. -0.047 min
Lab File: BG060142.D
Acq: 22 Dec 2023 17:32

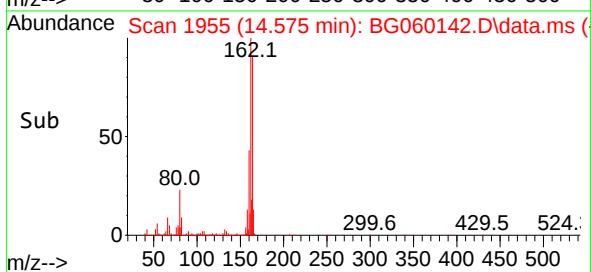
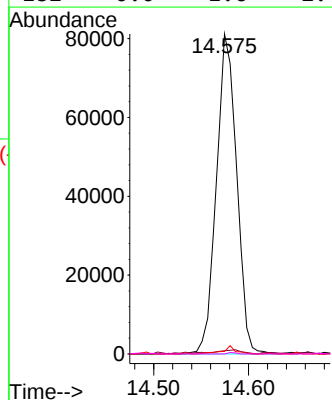
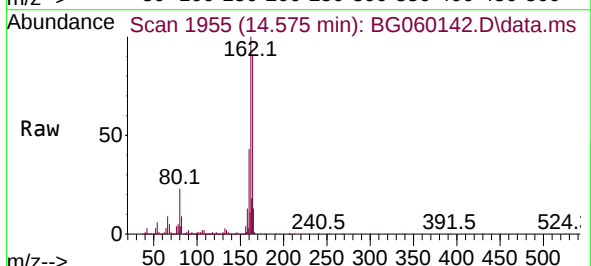
Instrument :
BNA_G
ClientSampleId :
GHL-SS-65a

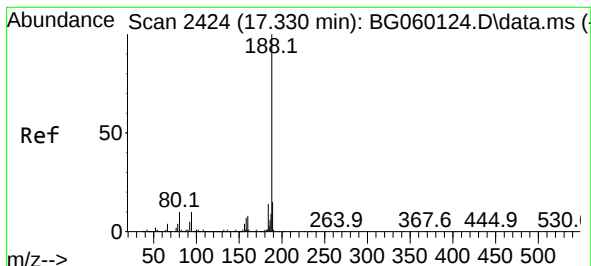
Tgt Ion:184 Resp: 107
Ion Ratio Lower Upper
184 100
63 0.0 48.1 72.1#
154 0.0 44.3 66.5#



#57
2,4-Dinitrotoluene
Concen: 5.061 ng
RT: 14.575 min Scan# 1955
Delta R.T. -0.370 min
Lab File: BG060142.D
Acq: 22 Dec 2023 17:32

Tgt Ion:165 Resp: 120581
Ion Ratio Lower Upper
165 100
63 1.0 35.4 53.0#
89 0.8 55.6 83.4#
182 0.0 1.6 2.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.324 min Scan# 24

Delta R.T. -0.005 min

Lab File: BG060142.D

Acq: 22 Dec 2023 17:32

Instrument :

BNA_G

ClientSampleId :

GHL-SS-65a

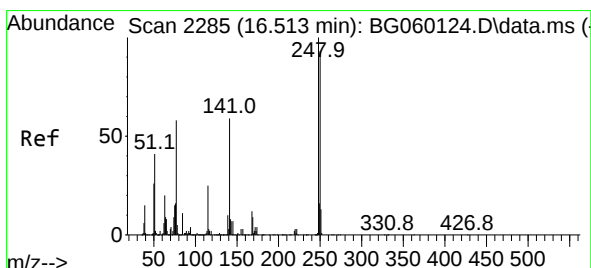
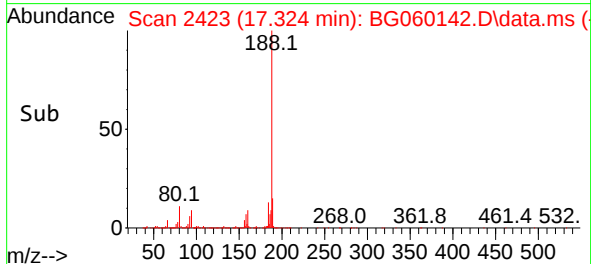
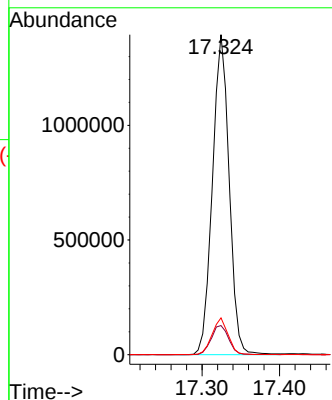
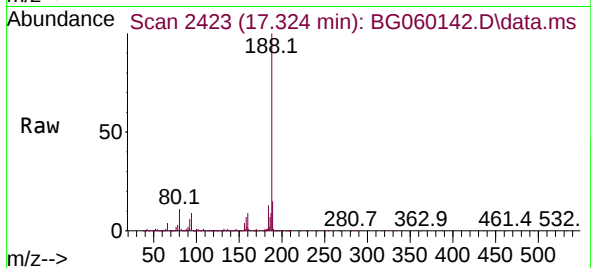
Tgt Ion:188 Resp: 2094615

Ion Ratio Lower Upper

188 100

94 9.1 7.6 11.4

80 11.5 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 3.414 ng

RT: 16.067 min Scan# 2209

Delta R.T. -0.446 min

Lab File: BG060142.D

Acq: 22 Dec 2023 17:32

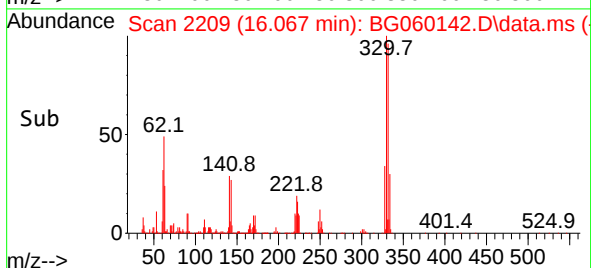
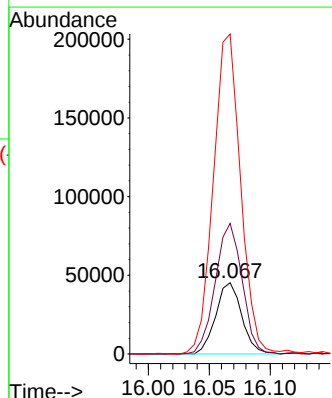
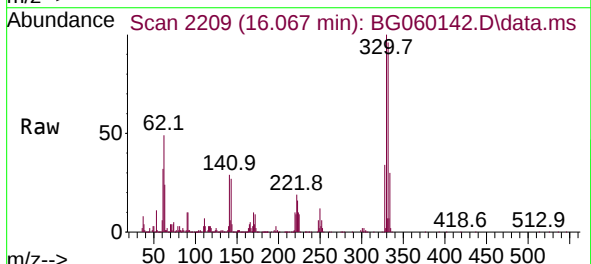
Tgt Ion:248 Resp: 67371

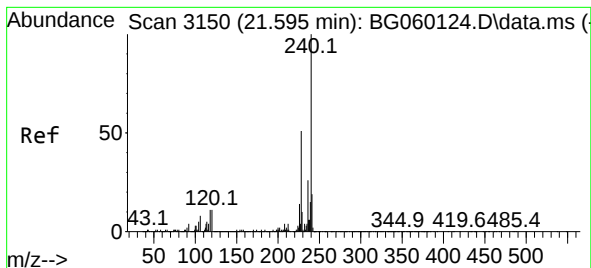
Ion Ratio Lower Upper

248 100

250 183.5 74.5 111.7#

141 449.7 47.4 71.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.590 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG060142.D

Acq: 22 Dec 2023 17:32

Instrument :

BNA_G

ClientSampleId :

GHL-SS-65a

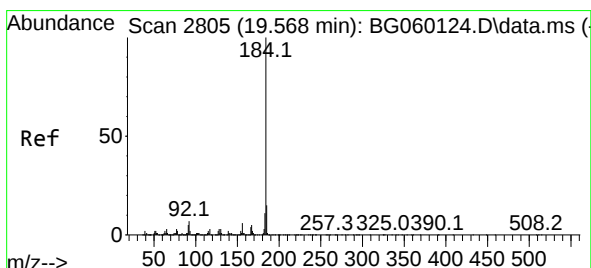
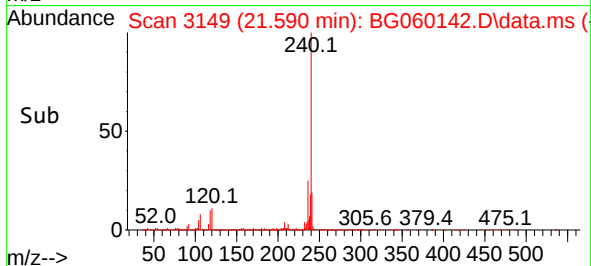
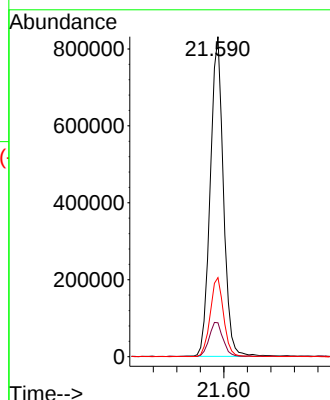
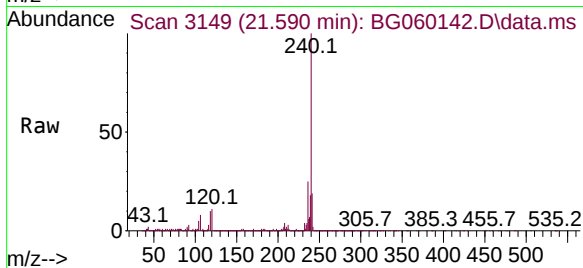
Tgt Ion:240 Resp: 1291387

Ion Ratio Lower Upper

240 100

120 10.6 9.0 13.6

236 24.7 20.4 30.6



#77

Benzidine

Concen: 2.102 ng

RT: 19.945 min Scan# 2869

Delta R.T. 0.377 min

Lab File: BG060142.D

Acq: 22 Dec 2023 17:32

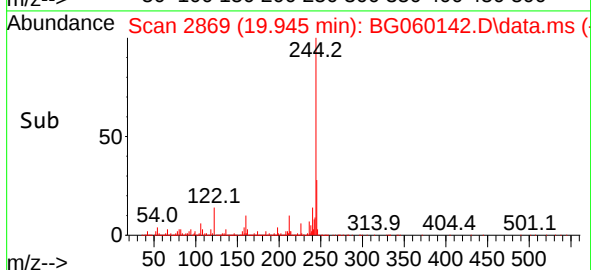
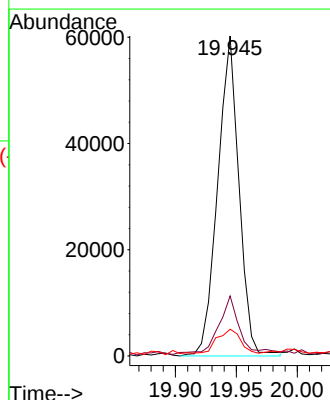
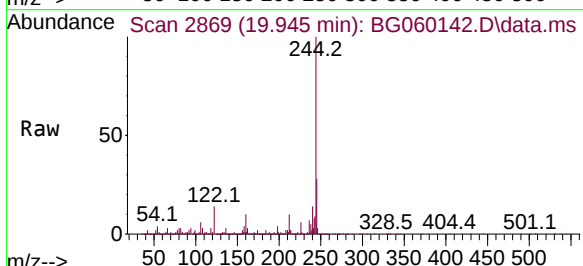
Tgt Ion:184 Resp: 73386

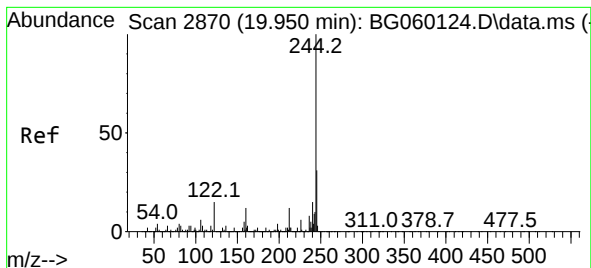
Ion Ratio Lower Upper

184 100

185 18.8 11.7 17.5#

183 8.4 9.0 13.6#





#79

Terphenyl-d14

Concen: 59.233 ng

RT: 19.945 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG060142.D

Acq: 22 Dec 2023 17:32

Instrument :

BNA_G

ClientSampleId :

GHL-SS-65a

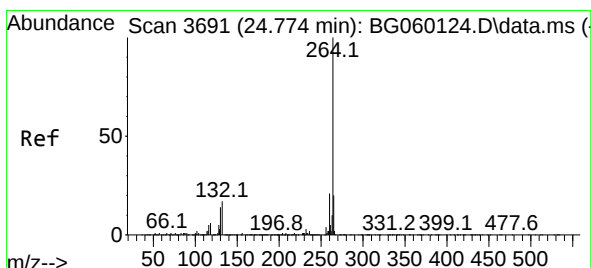
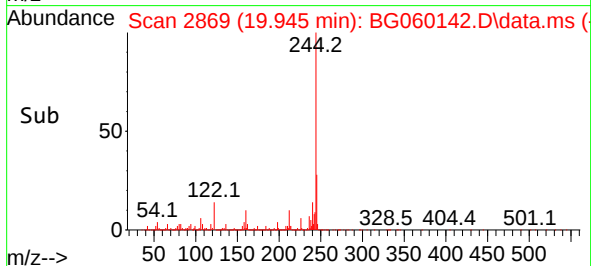
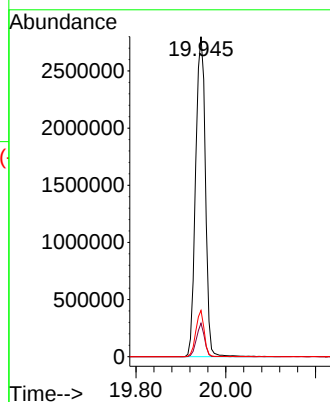
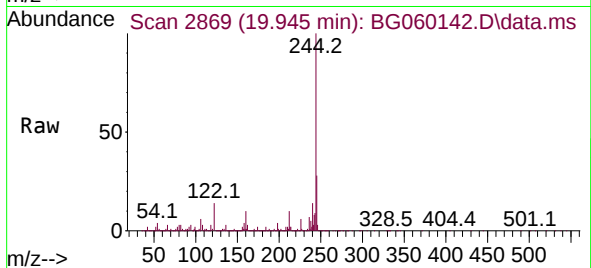
Tgt Ion:244 Resp: 4227227

Ion Ratio Lower Upper

244 100

212 10.4 9.5 14.3

122 14.5 12.2 18.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.763 min Scan# 3689

Delta R.T. -0.011 min

Lab File: BG060142.D

Acq: 22 Dec 2023 17:32

Tgt Ion:264 Resp: 1429621

Ion Ratio Lower Upper

264 100

260 23.6 17.1 25.7

265 21.7 16.0 24.0

