

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010424\
 Data File : BG060259.D
 Acq On : 5 Jan 2024 1:05
 Operator : MA/JU
 Sample : PB158169TB
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB158169TB

Quant Time: Jan 05 01:48:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 30 03:14:04 2023
 Response via : Initial Calibration

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

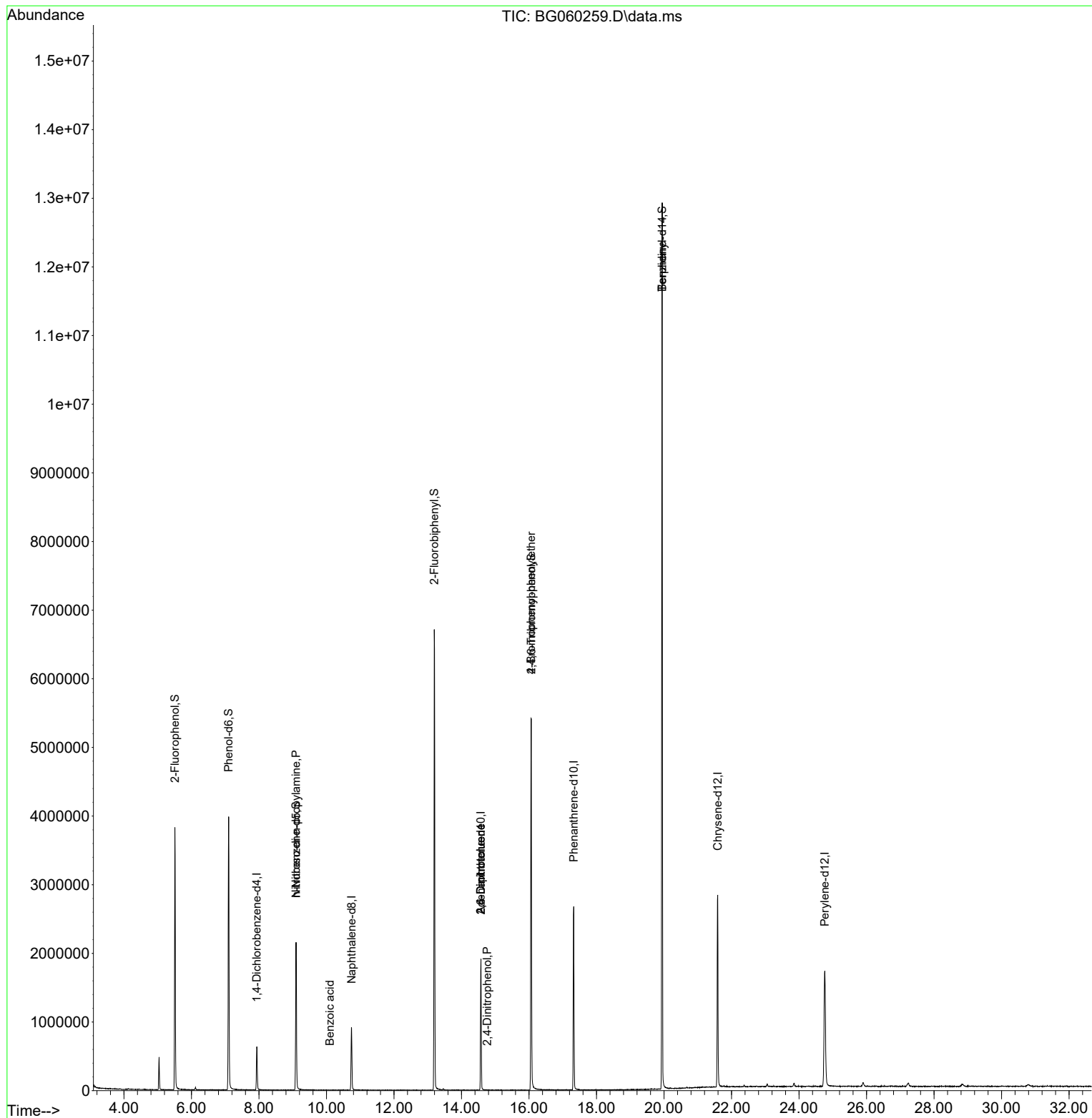
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	197457	20.000	ng	0.00
21) Naphthalene-d8	10.744	136	836563	20.000	ng	0.00
39) Acenaphthene-d10	14.574	164	691354	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	1820667	20.000	ng	0.00
76) Chrysene-d12	21.590	240	1731020	20.000	ng	0.00
86) Perylene-d12	24.762	264	1960200	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.508	112	1755901	134.219	ng	0.00
7) Phenol-d6	7.101	99	2625325	135.157	ng	0.00
23) Nitrobenzene-d5	9.098	82	1507299	83.224	ng	0.00
42) 2,4,6-Tribromophenol	16.067	330	1235091	133.459	ng	0.00
45) 2-Fluorobiphenyl	13.194	172	3710801	77.142	ng	0.00
79) Terphenyl-d14	19.945	244	5639551	62.634	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.098	70	179265	13.509	ng	# 87
32) Benzoic acid	10.103	122	209	10.290	ng	# 41
51) 2,6-Dinitrotoluene	14.574	165	88975	8.014	ng	# 30
54) 2,4-Dinitrophenol	14.762	184	60	8.245	ng	# 25
57) 2,4-Dinitrotoluene	14.574	165	88975	5.894	ng	# 28
67) 4-Bromophenyl-phenylether	16.061	248	76627	3.970	ng	# 1
77) Benzidine	19.945	184	104662	2.185	ng	# 91

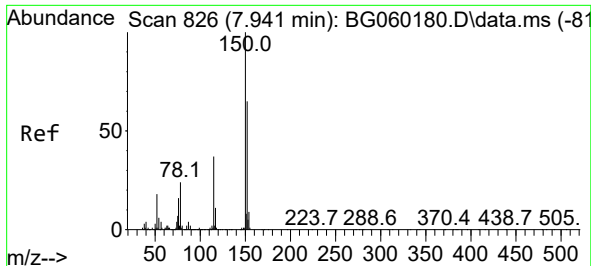
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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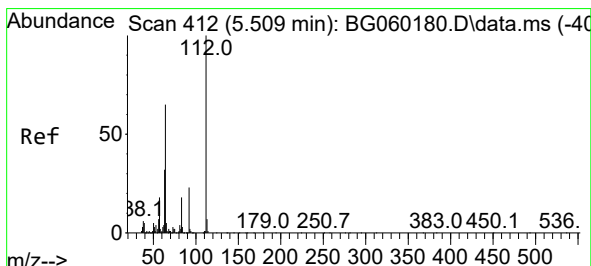
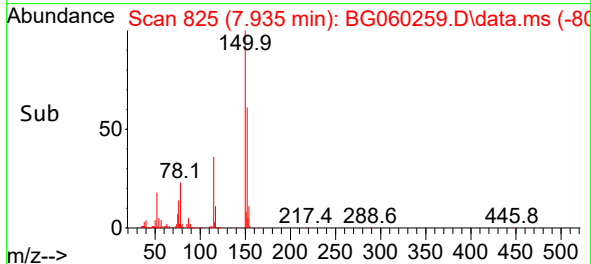
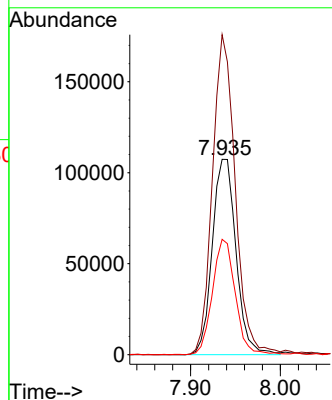
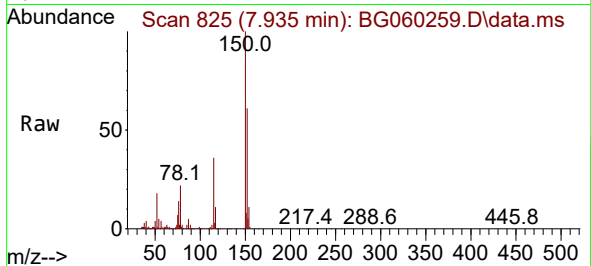




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.935 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG060259.D
Acq: 5 Jan 2024 1:05

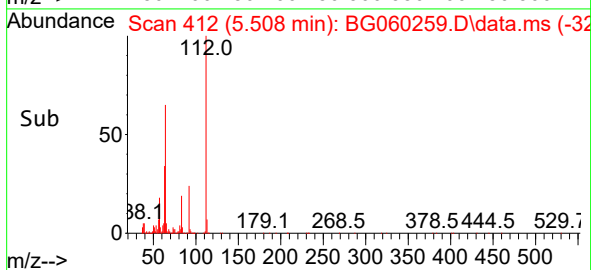
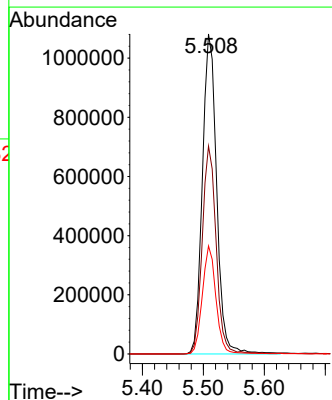
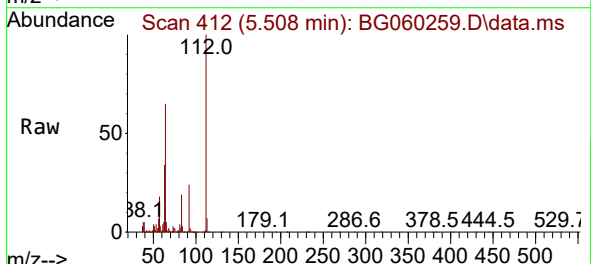
Instrument :
BNA_G
ClientSampleId :
PB158169TB

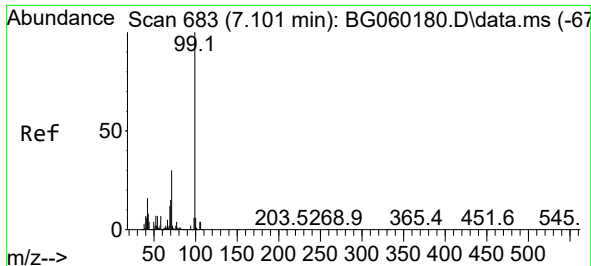
Tgt Ion:152 Resp: 197457
Ion Ratio Lower Upper
152 100
150 163.8 123.4 185.0
115 59.1 45.4 68.0



#5
2-Fluorophenol
Concen: 134.219 ng
RT: 5.508 min Scan# 412
Delta R.T. -0.000 min
Lab File: BG060259.D
Acq: 5 Jan 2024 1:05

Tgt Ion:112 Resp: 1755901
Ion Ratio Lower Upper
112 100
64 65.0 52.2 78.4
63 33.8 25.4 38.0

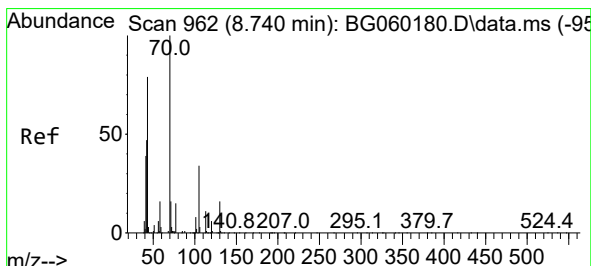
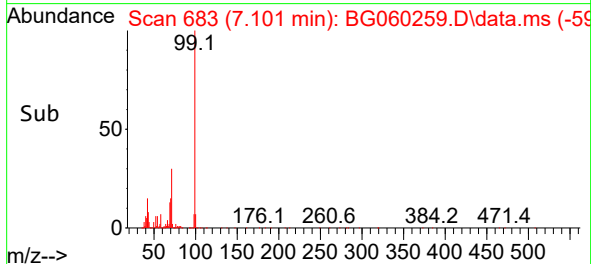
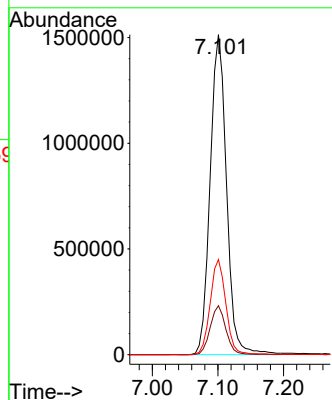
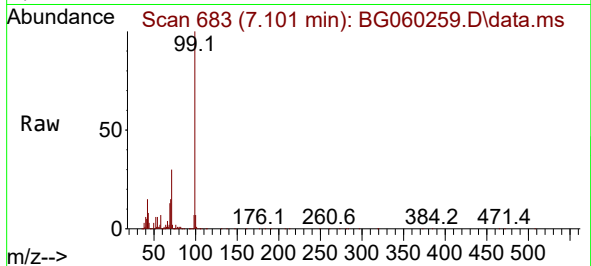




#7
Phenol-d6
Concen: 135.157 ng
RT: 7.101 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG060259.D
Acq: 5 Jan 2024 1:05

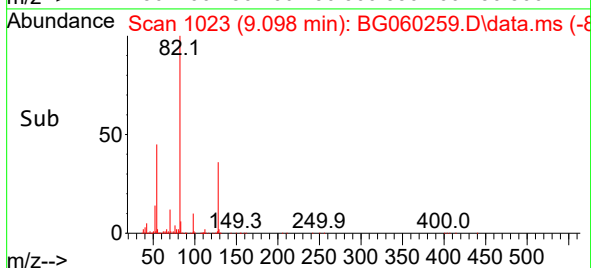
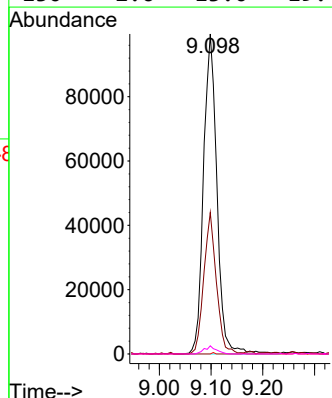
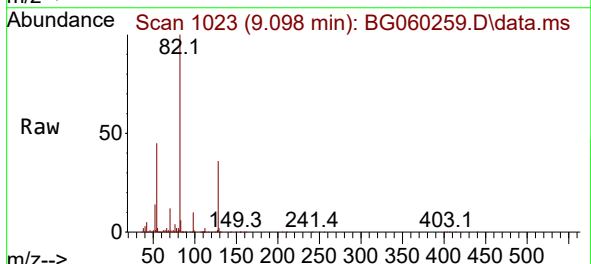
Instrument :
BNA_G
ClientSampleId :
PB158169TB

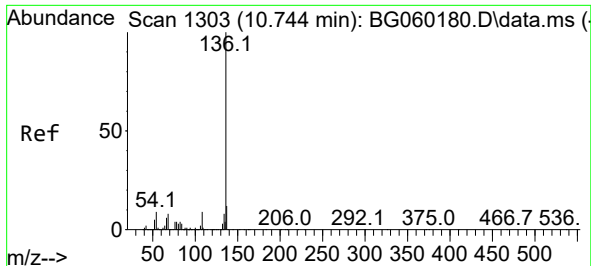
Tgt Ion: 99 Resp: 2625325
Ion Ratio Lower Upper
99 100
42 15.3 12.5 18.7
71 29.8 24.1 36.1



#19
n-Nitroso-di-n-propylamine
Concen: 13.509 ng
RT: 9.098 min Scan# 1023
Delta R.T. 0.358 min
Lab File: BG060259.D
Acq: 5 Jan 2024 1:05

Tgt Ion: 70 Resp: 179265
Ion Ratio Lower Upper
70 100
42 44.2 37.9 56.9
101 0.0 6.2 9.2#
130 2.6 13.0 19.4#

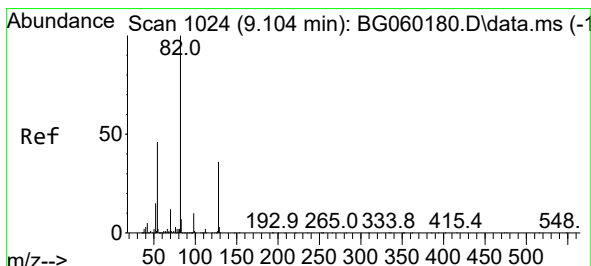
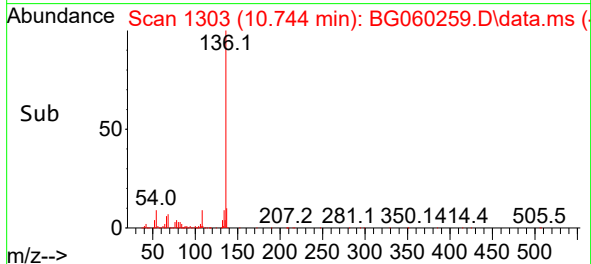
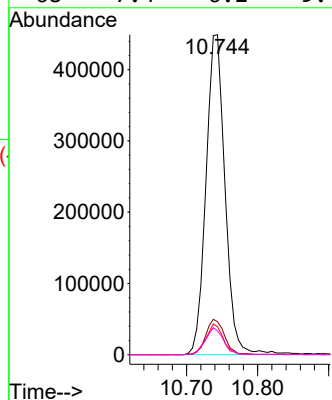
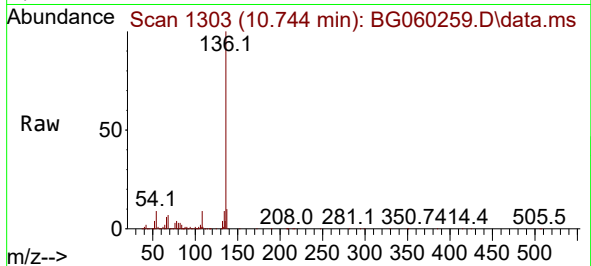




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.744 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG060259.D
Acq: 5 Jan 2024 1:05

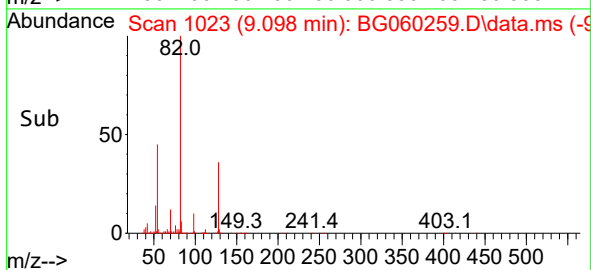
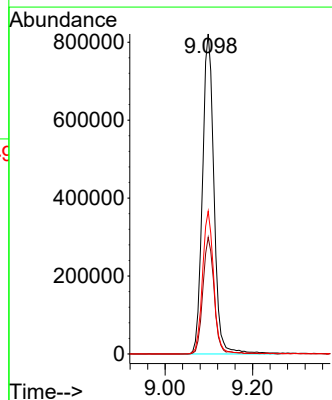
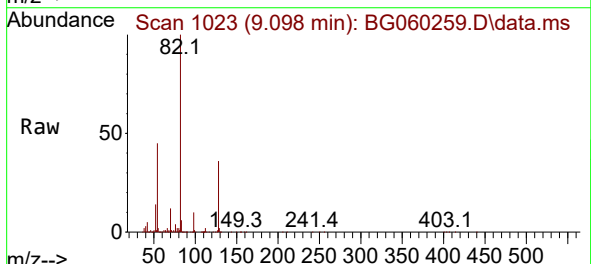
Instrument :
BNA_G
ClientSampleId :
PB158169TB

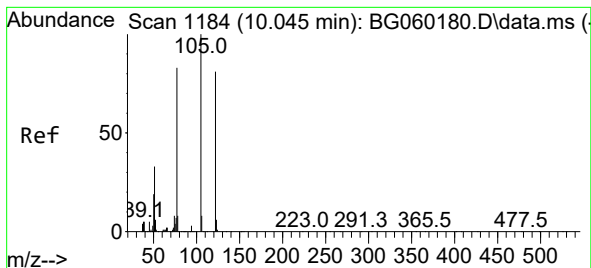
Tgt Ion:	136	Resp:	836563
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.4	14.0
54	8.8	7.4	11.2
68	7.4	6.2	9.4



#23
Nitrobenzene-d5
Concen: 83.224 ng
RT: 9.098 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BG060259.D
Acq: 5 Jan 2024 1:05

Tgt Ion:	82	Resp:	1507299
Ion	Ratio	Lower	Upper
82	100		
128	36.5	28.7	43.1
54	44.6	36.9	55.3

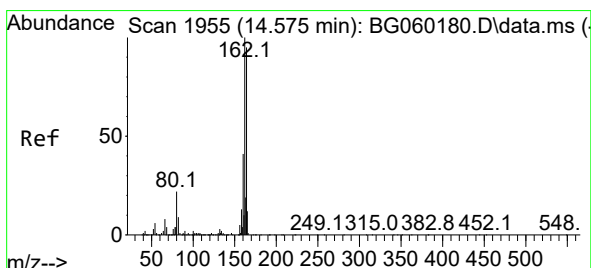
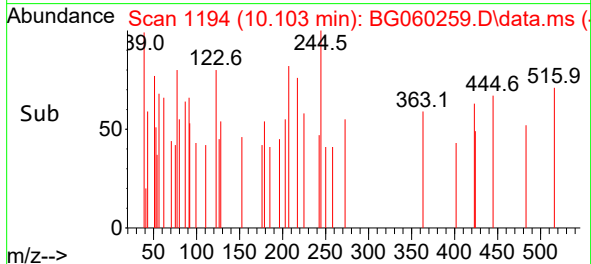
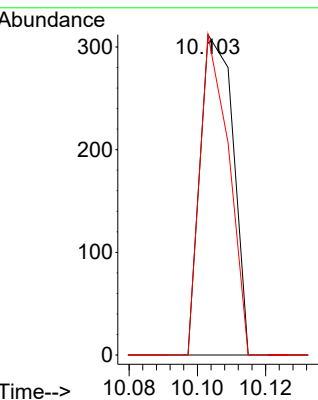
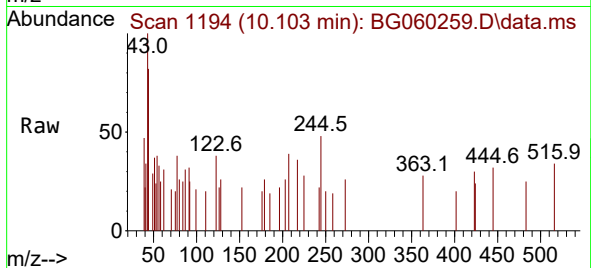




#32
Benzoic acid
Concen: 10.290 ng
RT: 10.103 min Scan# 1184
Delta R.T. 0.058 min
Lab File: BG060259.D
Acq: 5 Jan 2024 1:05

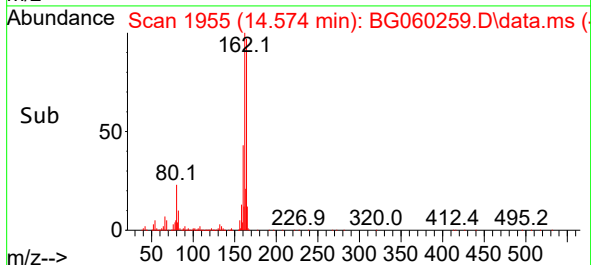
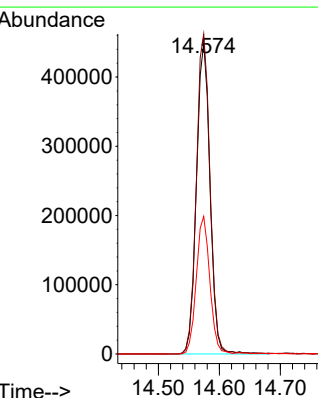
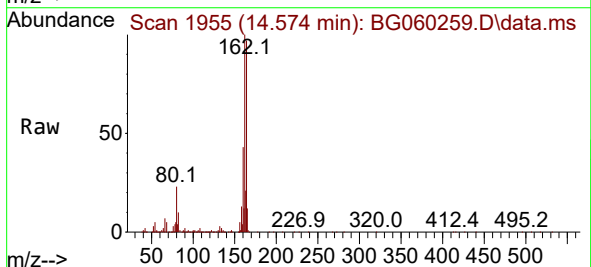
Instrument :
BNA_G
ClientSampleId :
PB158169TB

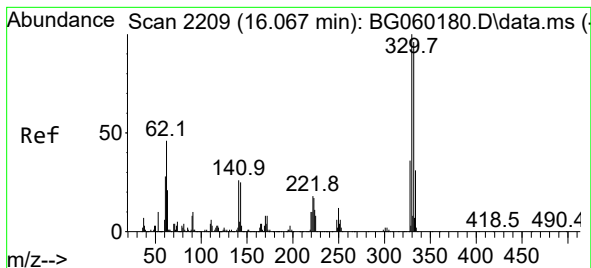
Tgt Ion:122 Resp: 209
Ion Ratio Lower Upper
122 100
105 0.0 99.2 139.2#
77 100.0 81.0 121.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.574 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BG060259.D
Acq: 5 Jan 2024 1:05

Tgt Ion:164 Resp: 691354
Ion Ratio Lower Upper
164 100
162 102.9 83.9 125.9
160 44.2 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 133.459 ng

RT: 16.067 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG060259.D

Acq: 5 Jan 2024 1:05

Instrument :

BNA_G

ClientSampleId :

PB158169TB

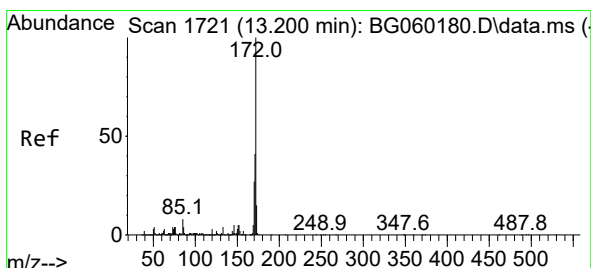
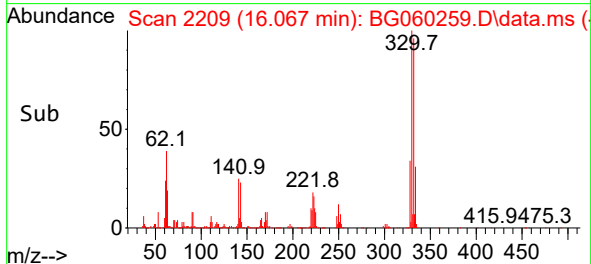
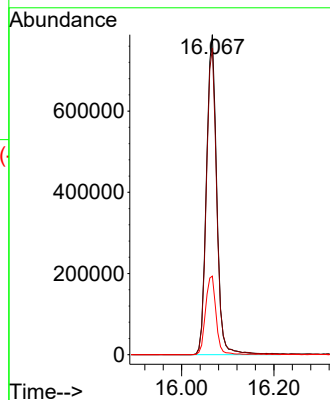
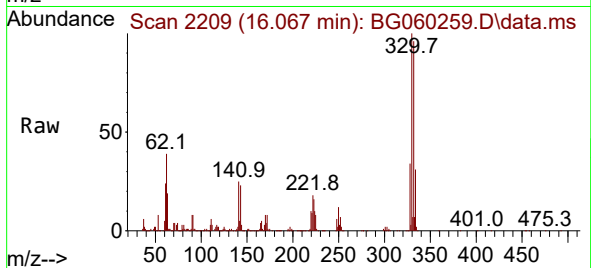
Tgt Ion:330 Resp: 1235091

Ion Ratio Lower Upper

330 100

332 96.0 76.7 115.1

141 25.0 21.0 31.4



#45

2-Fluorobiphenyl

Concen: 77.142 ng

RT: 13.194 min Scan# 1720

Delta R.T. -0.006 min

Lab File: BG060259.D

Acq: 5 Jan 2024 1:05

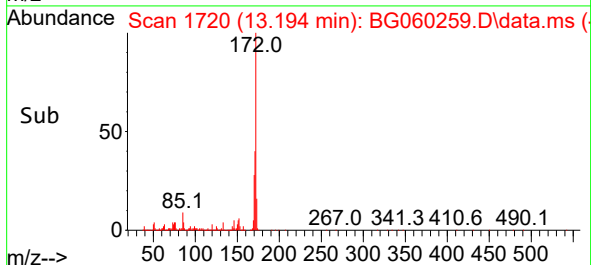
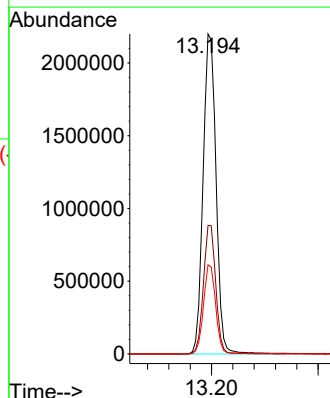
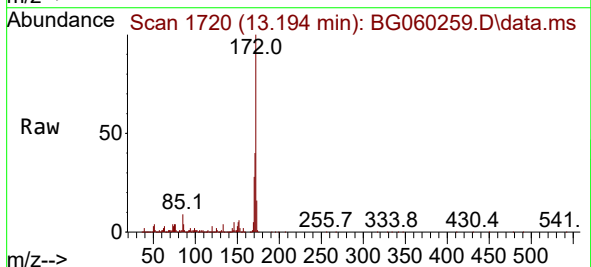
Tgt Ion:172 Resp: 3710801

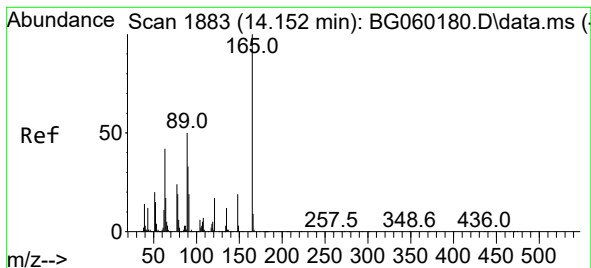
Ion Ratio Lower Upper

172 100

171 40.2 32.6 48.8

170 27.9 21.8 32.6

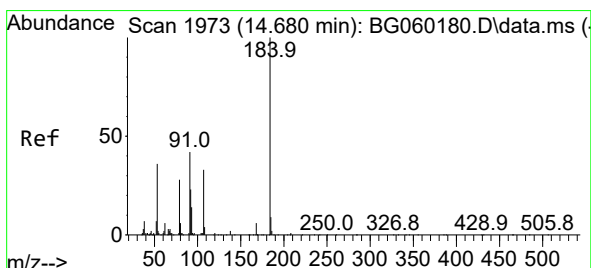
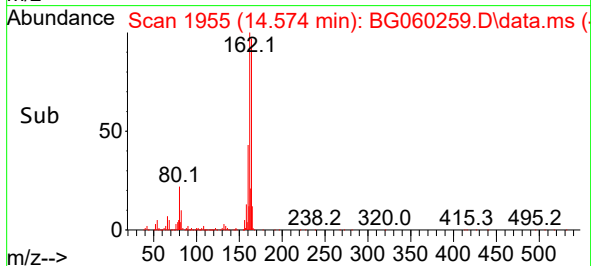
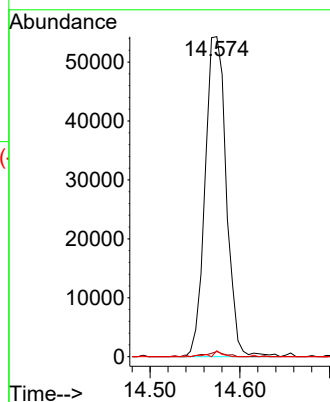
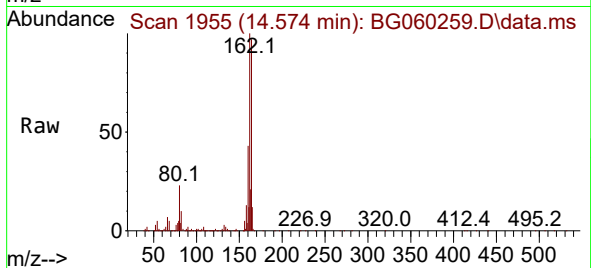




#51
2,6-Dinitrotoluene
Concen: 8.014 ng
RT: 14.574 min Scan# 1987
Delta R.T. 0.423 min
Lab File: BG060259.D
Acq: 5 Jan 2024 1:05

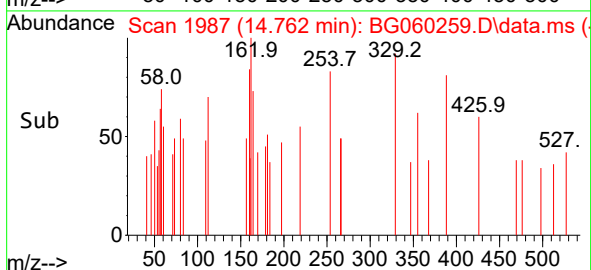
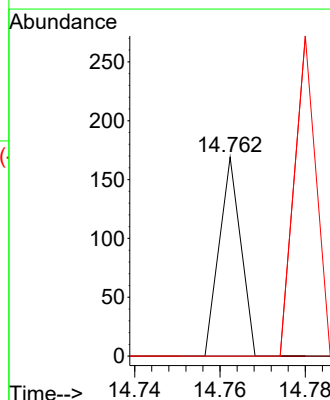
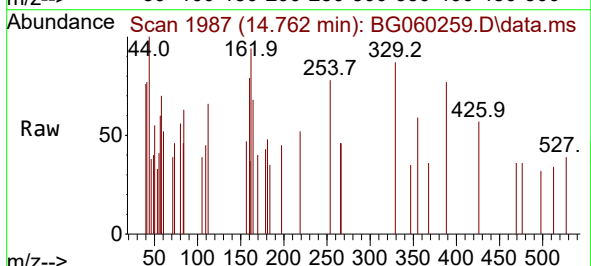
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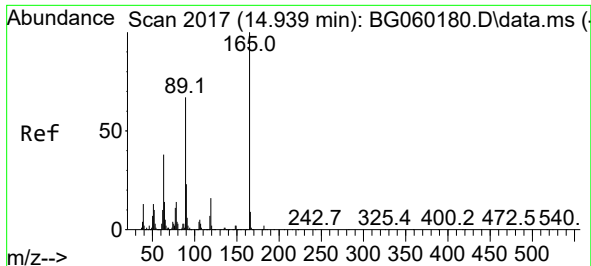
Tgt Ion:165 Resp: 88975
Ion Ratio Lower Upper
165 100
63 1.6 39.3 58.9#
89 1.9 39.8 59.8#



#54
2,4-Dinitrophenol
Concen: 8.245 ng
RT: 14.762 min Scan# 1987
Delta R.T. 0.082 min
Lab File: BG060259.D
Acq: 5 Jan 2024 1:05

Tgt Ion:184 Resp: 60
Ion Ratio Lower Upper
184 100
63 0.0 45.4 68.2#
154 0.0 40.0 60.0#





#57

2,4-Dinitrotoluene

Concen: 5.894 ng

RT: 14.574 min Scan# 1955

Delta R.T. -0.364 min

Lab File: BG060259.D

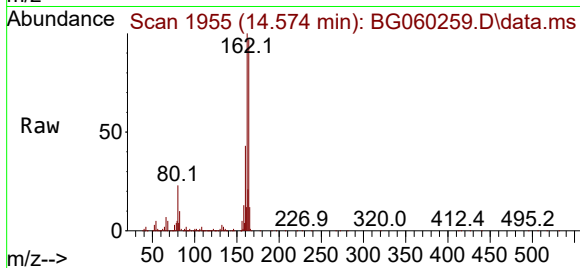
Acq: 5 Jan 2024 1:05

Instrument :

BNA_G

ClientSampleId :

PB158169TB



Tgt Ion:165 Resp: 88975

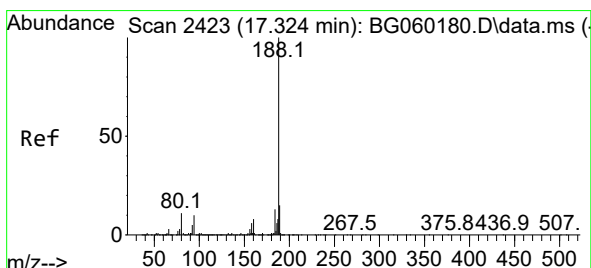
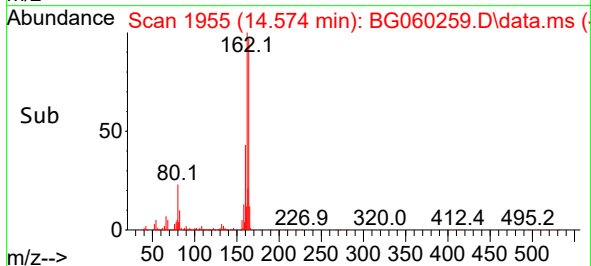
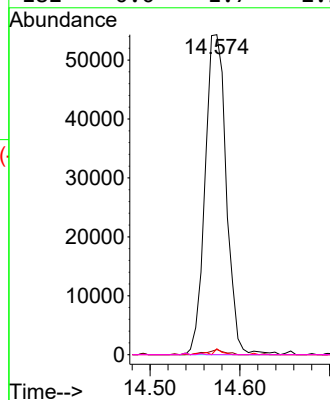
Ion Ratio Lower Upper

165 100

63 1.6 31.0 46.6#

89 1.9 53.3 79.9#

182 0.0 1.7 2.5#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.324 min Scan# 2423

Delta R.T. -0.000 min

Lab File: BG060259.D

Acq: 5 Jan 2024 1:05

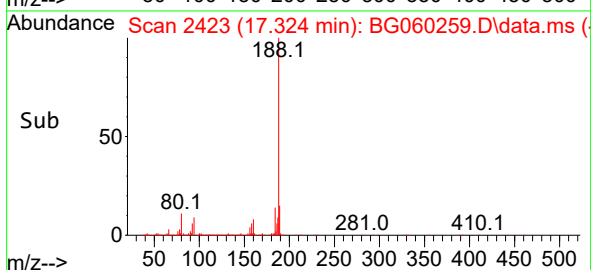
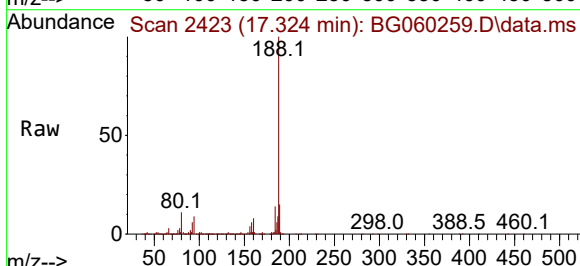
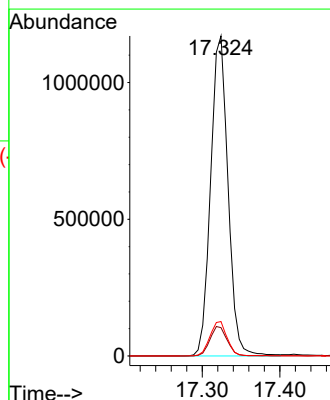
Tgt Ion:188 Resp: 1820667

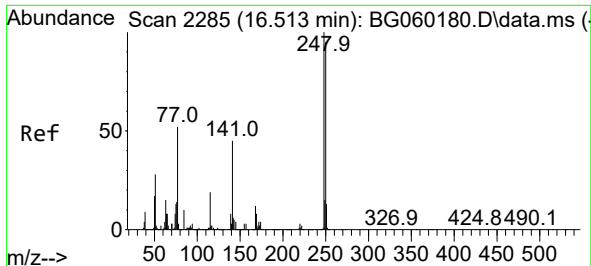
Ion Ratio Lower Upper

188 100

94 8.9 7.8 11.6

80 10.7 8.6 13.0

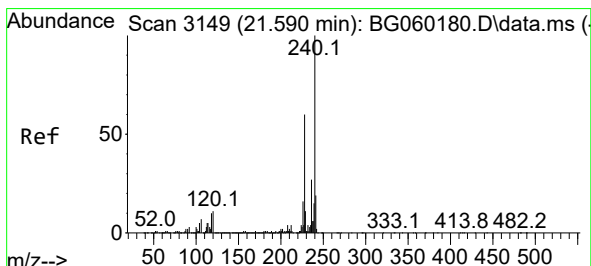
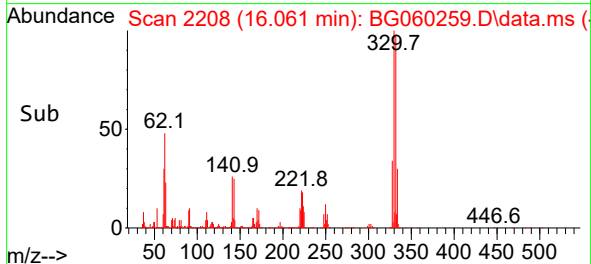
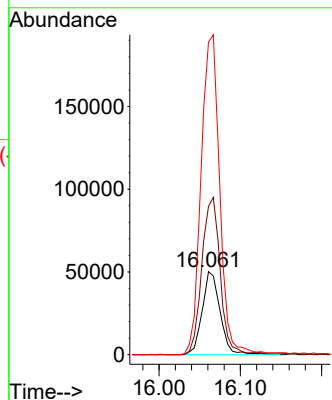
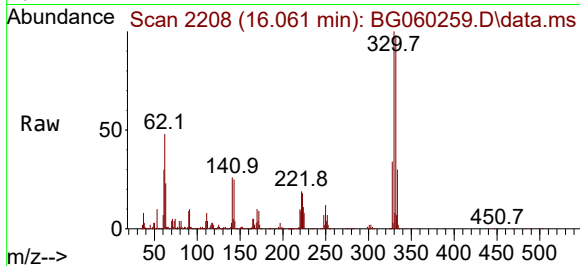




#67
4-Bromophenyl-phenylether
Concen: 3.970 ng
RT: 16.061 min Scan# 21
Delta R.T. -0.453 min
Lab File: BG060259.D
Acq: 5 Jan 2024 1:05

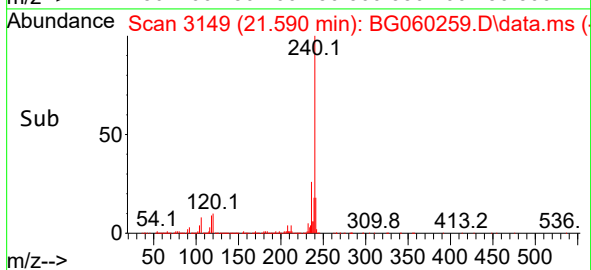
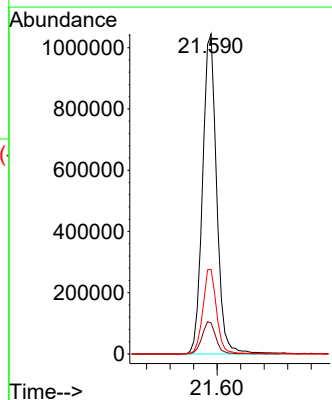
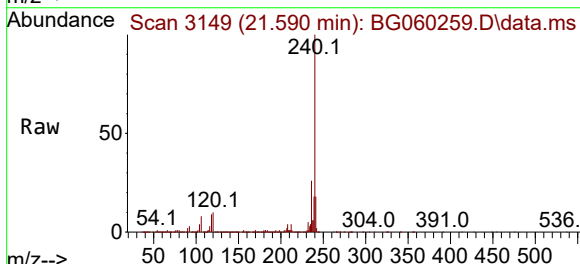
Instrument :
BNA_G
ClientSampleId :
PB158169TB

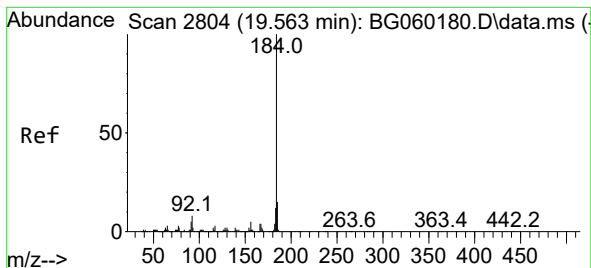
Tgt Ion:248 Resp: 76627
Ion Ratio Lower Upper
248 100
250 178.8 76.2 114.4#
141 376.8 36.0 54.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.590 min Scan# 3149
Delta R.T. -0.000 min
Lab File: BG060259.D
Acq: 5 Jan 2024 1:05

Tgt Ion:240 Resp: 1731020
Ion Ratio Lower Upper
240 100
120 9.7 8.5 12.7
236 26.5 21.4 32.2





#77

Benzidine

Concen: 2.185 ng

RT: 19.945 min Scan# 2869

Delta R.T. 0.382 min

Lab File: BG060259.D

Acq: 5 Jan 2024 1:05

Instrument :

BNA_G

ClientSampleId :

PB158169TB

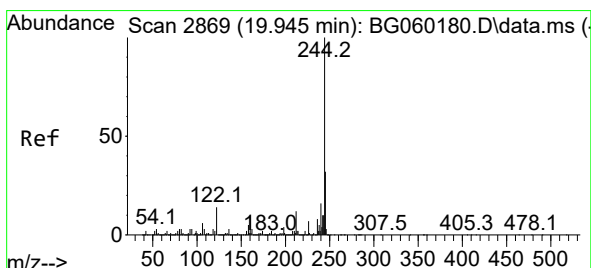
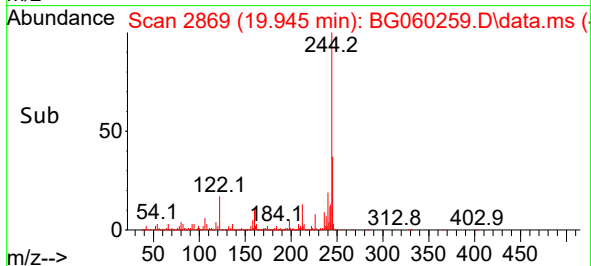
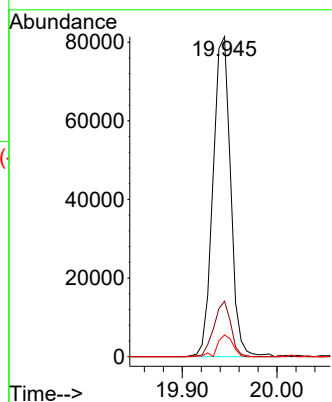
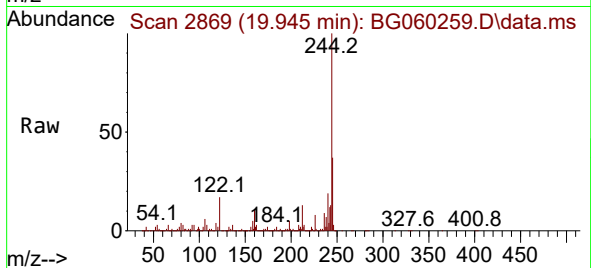
Tgt Ion:184 Resp: 104662

Ion Ratio Lower Upper

184 100

185 17.4 11.7 17.5

183 6.8 9.4 14.2#



#79

Terphenyl-d14

Concen: 62.634 ng

RT: 19.945 min Scan# 2869

Delta R.T. -0.000 min

Lab File: BG060259.D

Acq: 5 Jan 2024 1:05

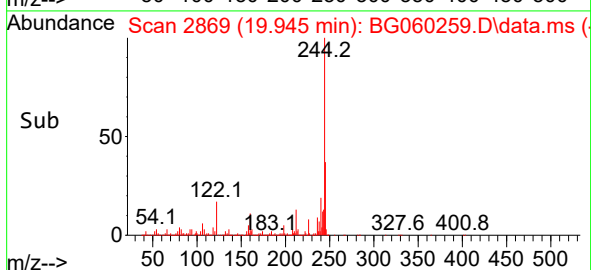
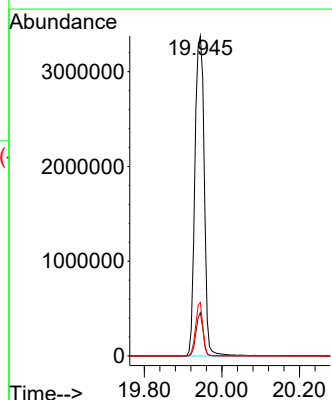
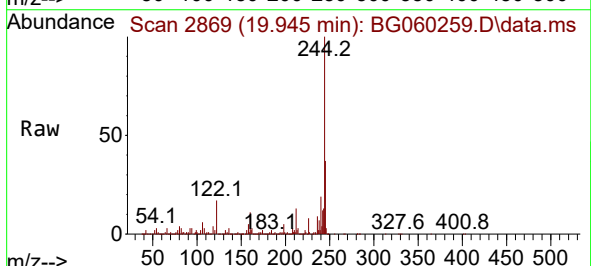
Tgt Ion:244 Resp: 5639551

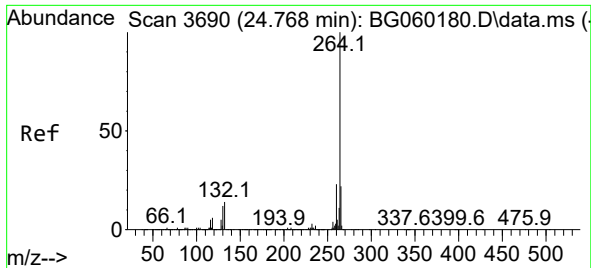
Ion Ratio Lower Upper

244 100

212 13.5 9.5 14.3

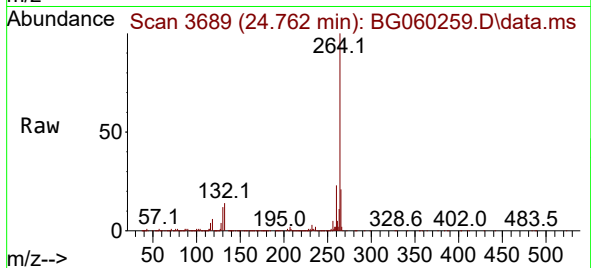
122 16.7 11.4 17.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.762 min Scan# 30
 Delta R.T. -0.006 min
 Lab File: BG060259.D
 Acq: 5 Jan 2024 1:05

Instrument :
 BNA_G
 ClientSampleId :
 PB158169TB



Tgt Ion:264 Resp: 1960200

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.0	27.0
265	21.0	17.4	26.0

