

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120623\
 Data File : BG059977.D
 Acq On : 6 Dec 2023 20:01
 Operator : MA/JU
 Sample : 05585-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P3874-SP4

Quant Time: Dec 06 23:18:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG120423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 05 02:26:15 2023
 Response via : Initial Calibration

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

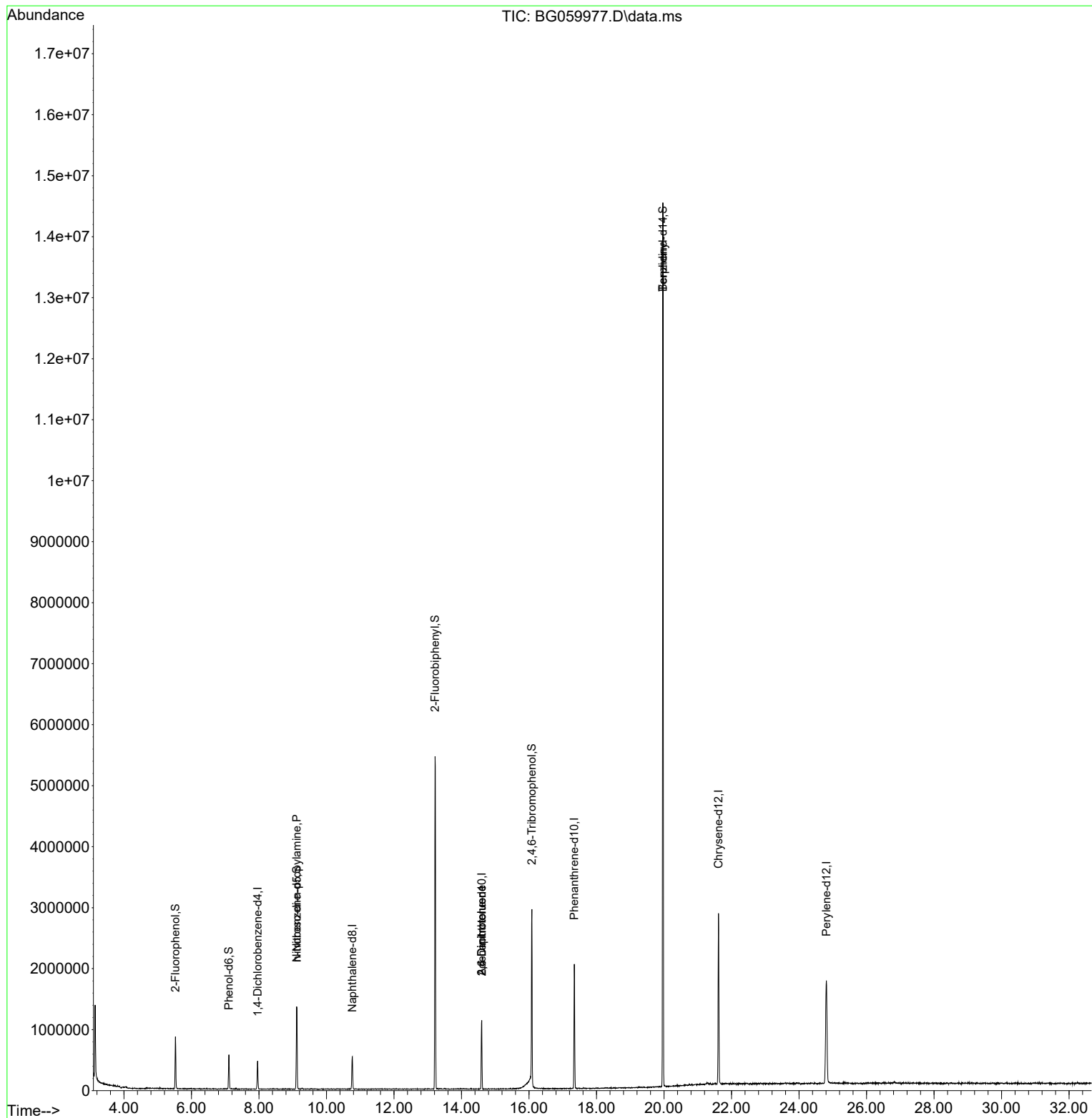
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.958	152	124497	20.000	ng	# 0.00
21) Naphthalene-d8	10.767	136	435638	20.000	ng	# 0.00
39) Acenaphthene-d10	14.598	164	411585	20.000	ng	0.00
64) Phenanthrene-d10	17.341	188	1401196	20.000	ng	# 0.00
76) Chrysene-d12	21.613	240	1904615	20.000	ng	# 0.00
86) Perylene-d12	24.809	264	2306790	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	346350	55.897	ng	0.00
7) Phenol-d6	7.106	99	298310	30.546	ng	0.00
23) Nitrobenzene-d5	9.116	82	850262	69.769	ng	0.00
42) 2,4,6-Tribromophenol	16.084	330	692429	52.289	ng	0.00
45) 2-Fluorobiphenyl	13.217	172	3010379	79.774	ng	0.00
79) Terphenyl-d14	19.968	244	6422198	58.128	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.116	70	128882	17.610	ng	# 82
51) 2,6-Dinitrotoluene	14.598	165	57282	7.462	ng	# 20
57) 2,4-Dinitrotoluene	14.598	165	57282	5.365	ng	# 25
77) Benzidine	19.968	184	152555	9.504	ng	# 94

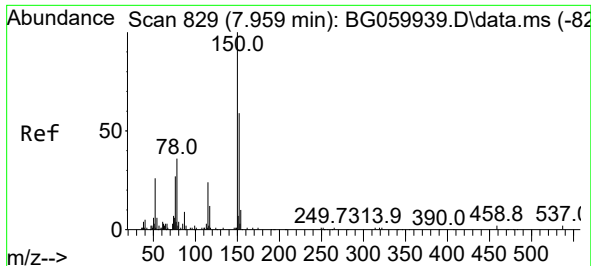
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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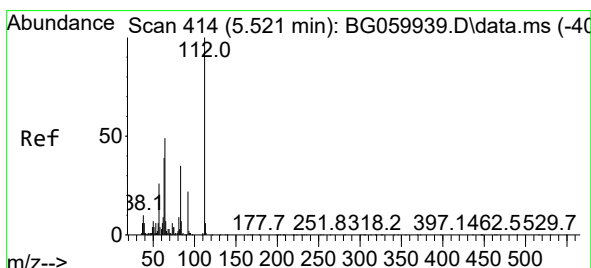
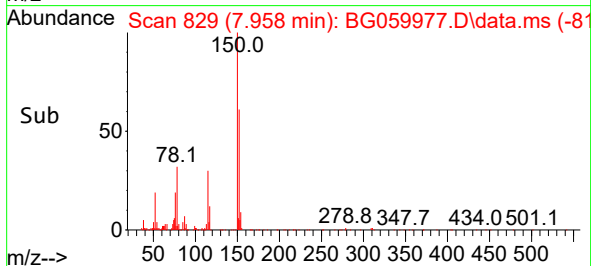
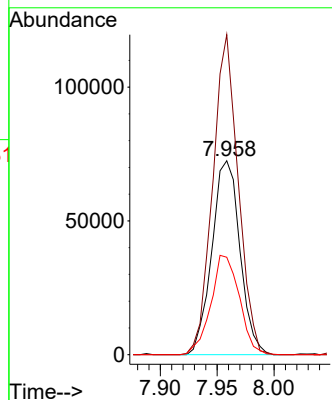
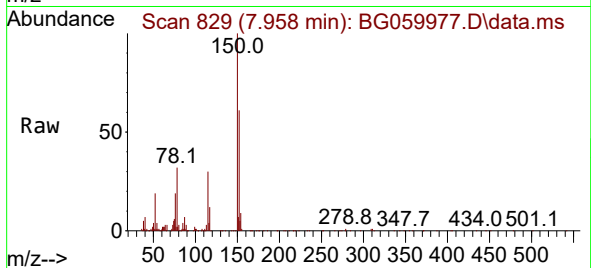




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.958 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG059977.D
Acq: 6 Dec 2023 20:01

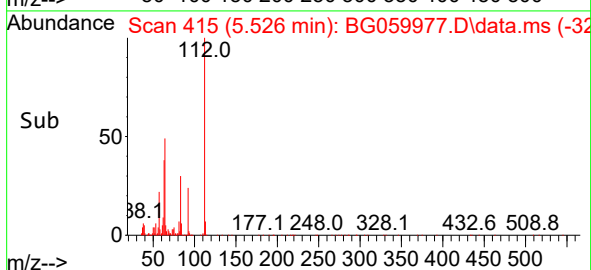
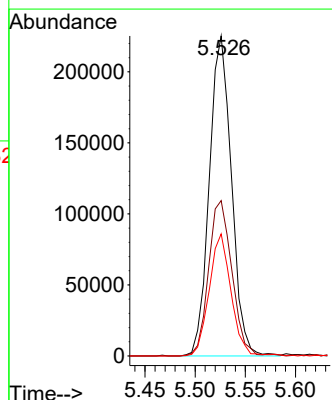
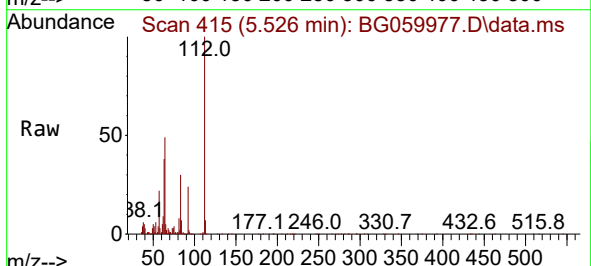
Instrument :
BNA_G
ClientSampleId :
P3874-SP4

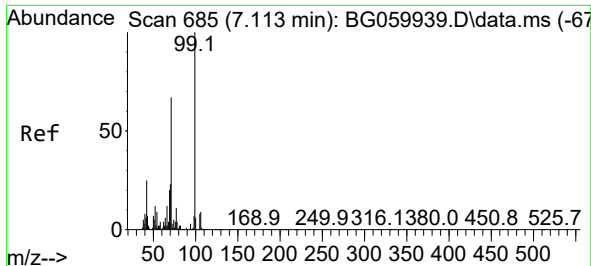
Tgt Ion:152 Resp: 124497
Ion Ratio Lower Upper
152 100
150 165.0 136.9 205.3
115 50.3 32.9 49.3#



#5
2-Fluorophenol
Concen: 55.897 ng
RT: 5.526 min Scan# 415
Delta R.T. 0.005 min
Lab File: BG059977.D
Acq: 6 Dec 2023 20:01

Tgt Ion:112 Resp: 346350
Ion Ratio Lower Upper
112 100
64 48.6 39.4 59.0
63 38.2 31.2 46.8

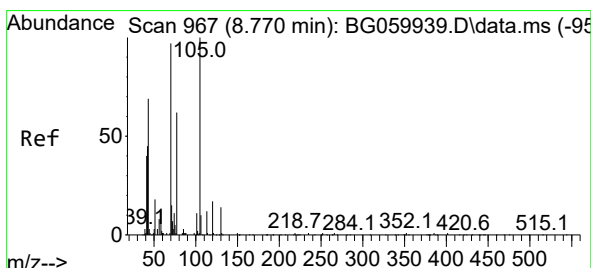
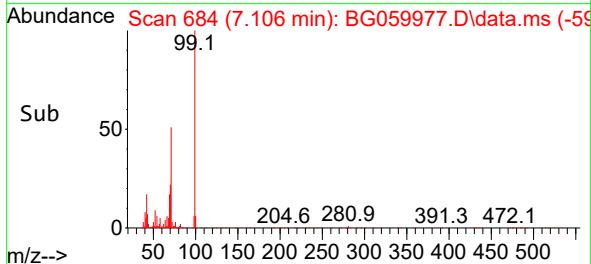
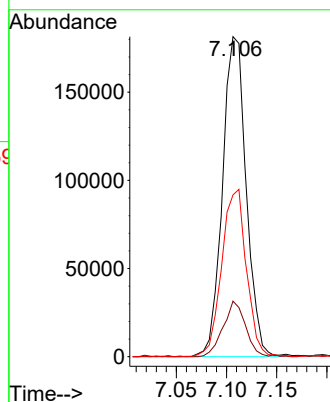
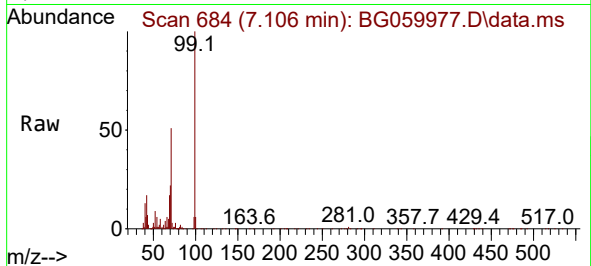




#7
Phenol-d6
Concen: 30.546 ng
RT: 7.106 min Scan# 61
Delta R.T. -0.007 min
Lab File: BG059977.D
Acq: 6 Dec 2023 20:01

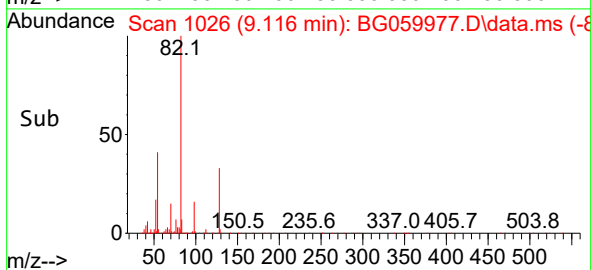
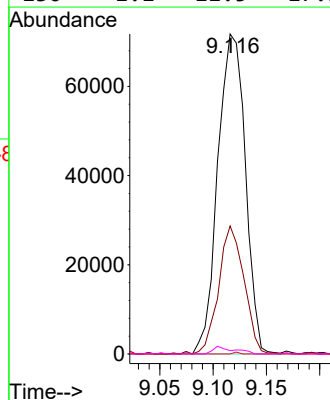
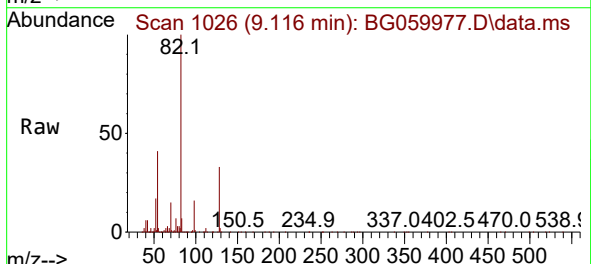
Instrument :
BNA_G
ClientSampleId :
P3874-SP4

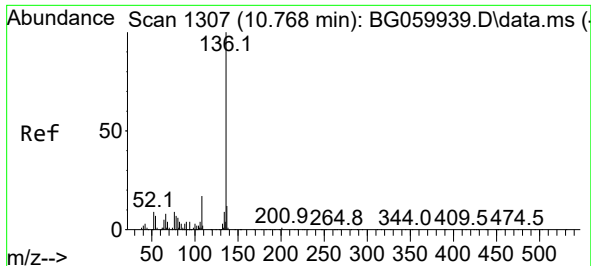
Tgt Ion: 99 Resp: 298310
Ion Ratio Lower Upper
99 100
42 17.4 20.1 30.1#
71 50.6 53.8 80.6#



#19
n-Nitroso-di-n-propylamine
Concen: 17.610 ng
RT: 9.116 min Scan# 1026
Delta R.T. 0.346 min
Lab File: BG059977.D
Acq: 6 Dec 2023 20:01

Tgt Ion: 70 Resp: 128882
Ion Ratio Lower Upper
70 100
42 40.0 38.1 57.1
101 0.0 8.6 13.0#
130 1.1 11.5 17.3#

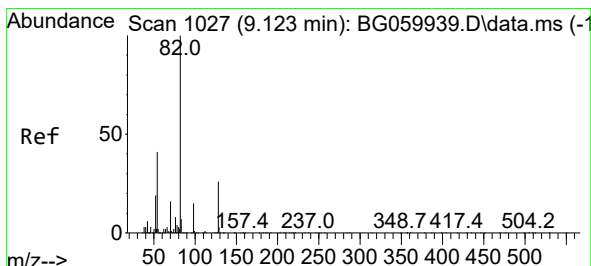
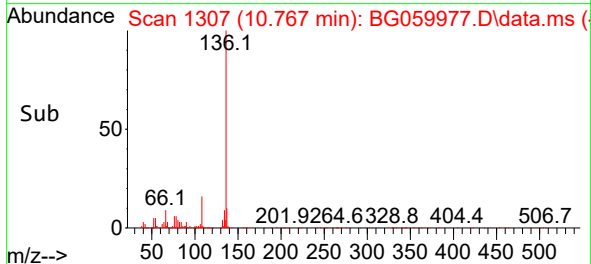
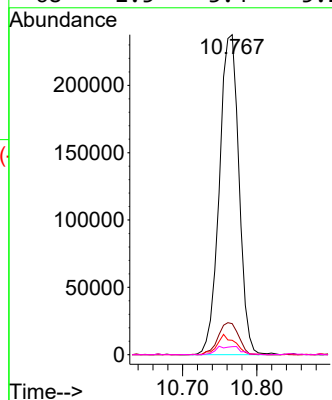
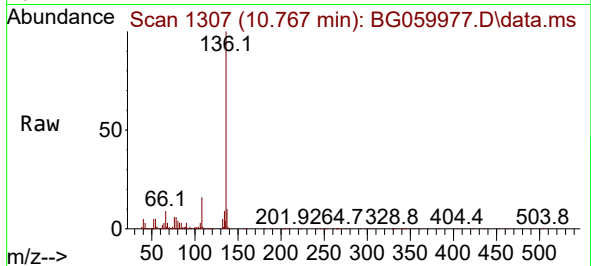




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.767 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG059977.D
Acq: 6 Dec 2023 20:01

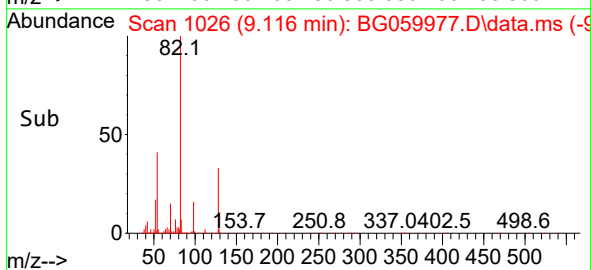
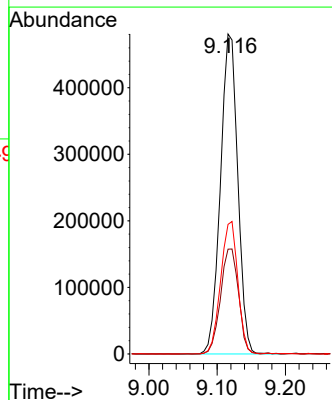
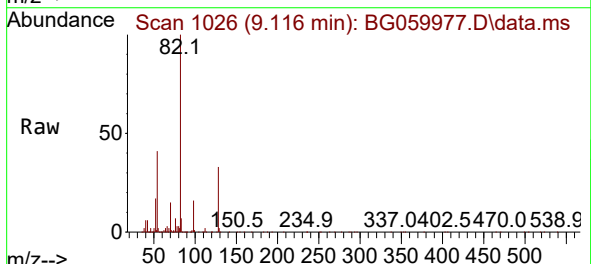
Instrument :
BNA_G
ClientSampleId :
P3874-SP4

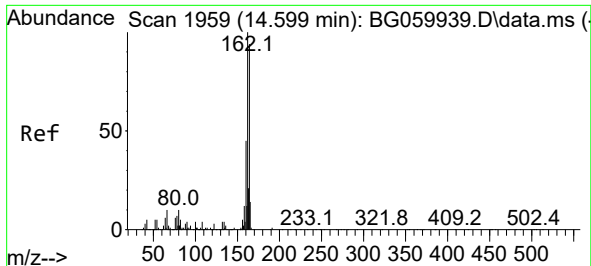
Tgt Ion:	136	Resp:	435638
Ion Ratio	Lower	Upper	
136	100		
137	9.7	9.8	14.6#
54	4.5	5.8	8.6#
68	2.5	3.4	5.2#



#23
Nitrobenzene-d5
Concen: 69.769 ng
RT: 9.116 min Scan# 1026
Delta R.T. -0.007 min
Lab File: BG059977.D
Acq: 6 Dec 2023 20:01

Tgt Ion:	82	Resp:	850262
Ion Ratio	Lower	Upper	
82	100		
128	32.8	21.0	31.6#
54	40.5	32.6	48.8

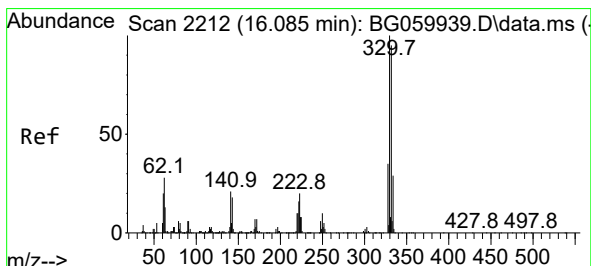
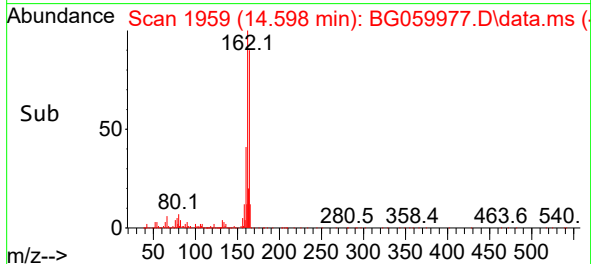
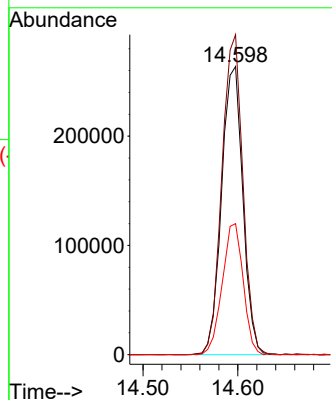
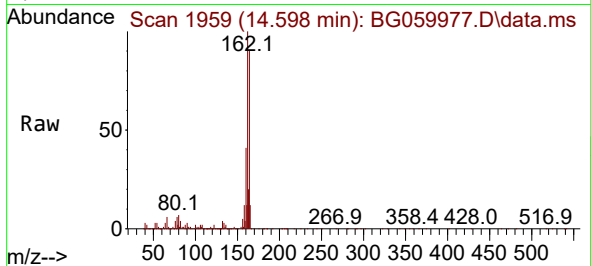




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.598 min Scan# 1959
Delta R.T. -0.001 min
Lab File: BG059977.D
Acq: 6 Dec 2023 20:01

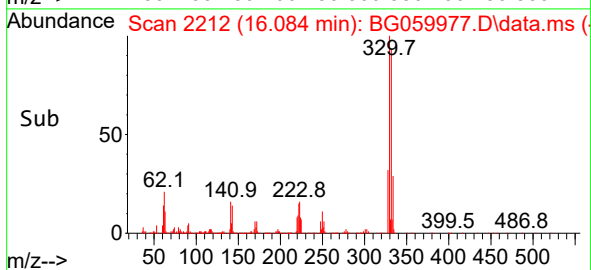
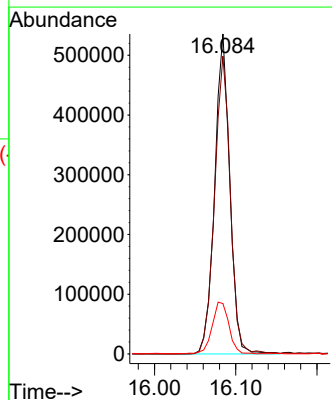
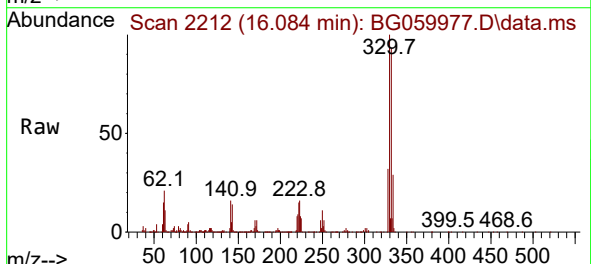
Instrument :
BNA_G
ClientSampleId :
P3874-SP4

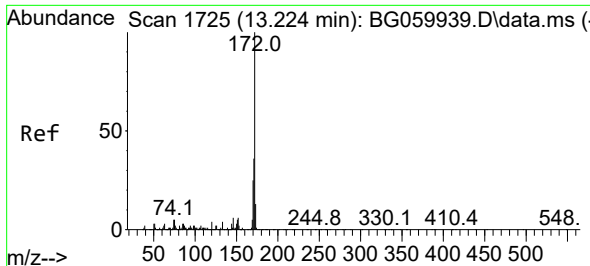
Tgt Ion:164 Resp: 411585
Ion Ratio Lower Upper
164 100
162 111.0 85.0 127.6
160 45.5 38.1 57.1



#42
2,4,6-Tribromophenol
Concen: 52.289 ng
RT: 16.084 min Scan# 2212
Delta R.T. -0.001 min
Lab File: BG059977.D
Acq: 6 Dec 2023 20:01

Tgt Ion:330 Resp: 692429
Ion Ratio Lower Upper
330 100
332 97.0 76.5 114.7
141 17.9 15.0 22.6

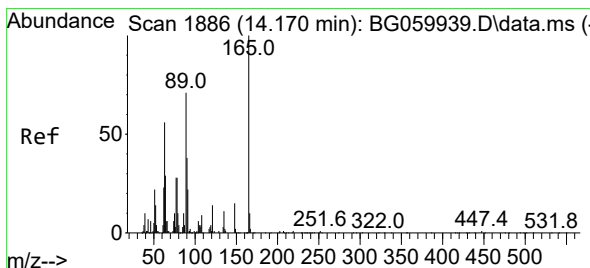
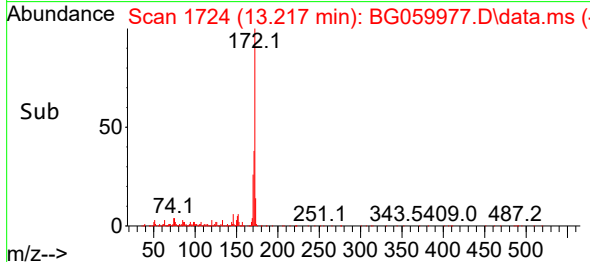
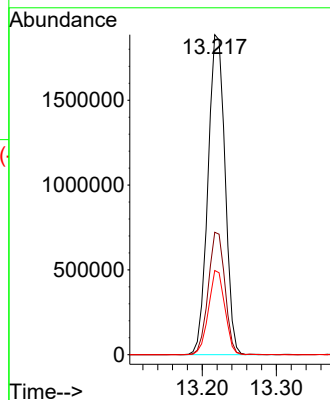
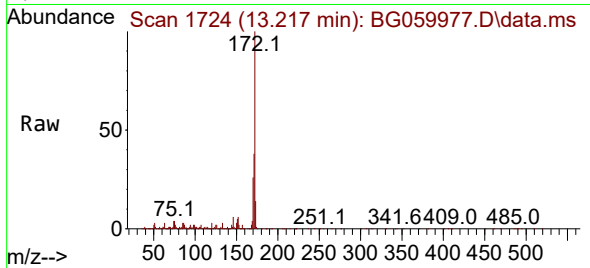




#45
2-Fluorobiphenyl
Concen: 79.774 ng
RT: 13.217 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG059977.D
Acq: 6 Dec 2023 20:01

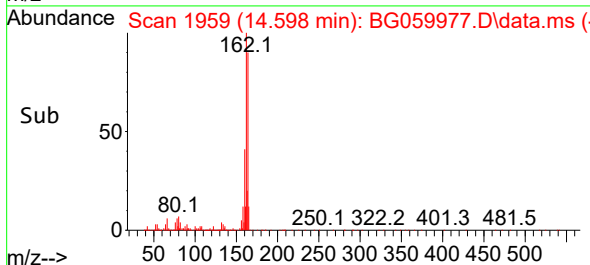
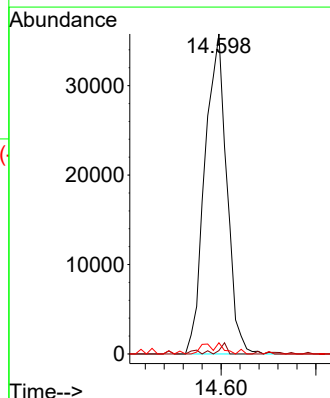
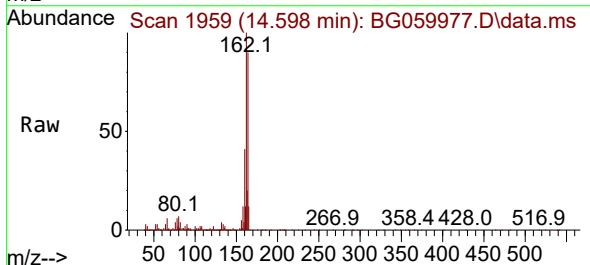
Instrument :
BNA_G
ClientSampleId :
P3874-SP4

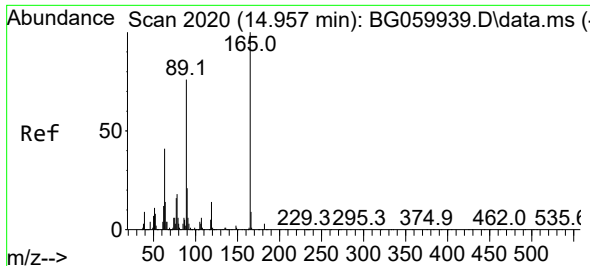
Tgt Ion:172 Resp: 3010379
Ion Ratio Lower Upper
172 100
171 38.3 28.6 43.0
170 26.3 19.8 29.8



#51
2,6-Dinitrotoluene
Concen: 7.462 ng
RT: 14.598 min Scan# 1959
Delta R.T. 0.428 min
Lab File: BG059977.D
Acq: 6 Dec 2023 20:01

Tgt Ion:165 Resp: 57282
Ion Ratio Lower Upper
165 100
63 1.1 47.2 70.8#
89 3.5 57.1 85.7#





#57

2,4-Dinitrotoluene

Concen: 5.365 ng

RT: 14.598 min Scan# 1959

Delta R.T. -0.359 min

Lab File: BG059977.D

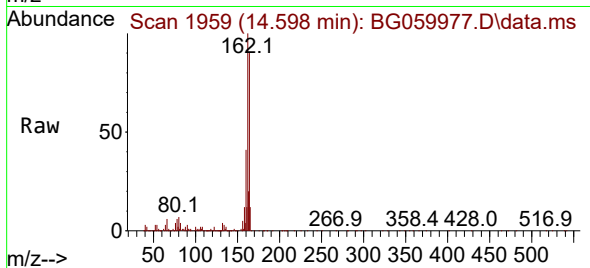
Acq: 6 Dec 2023 20:01

Instrument :

BNA_G

ClientSampleId :

P3874-SP4



Tgt Ion:165 Resp: 57282

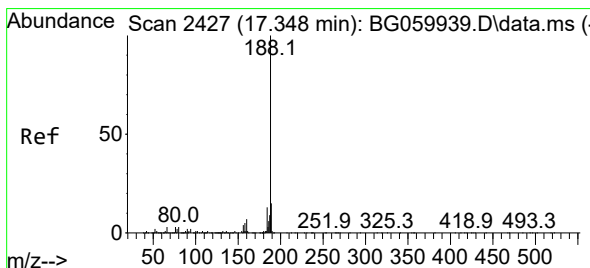
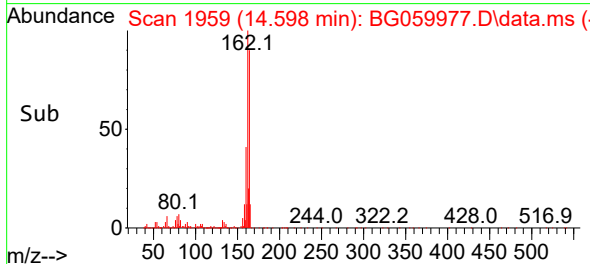
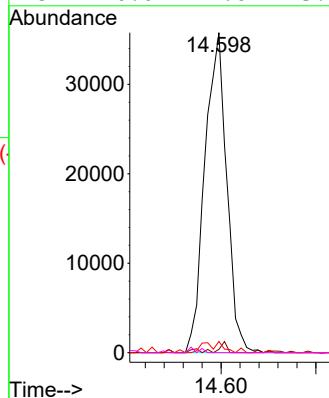
Ion Ratio Lower Upper

165 100

63 1.1 32.8 49.2#

89 3.5 60.6 90.8#

182 0.0 2.6 3.8#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.341 min Scan# 2426

Delta R.T. -0.007 min

Lab File: BG059977.D

Acq: 6 Dec 2023 20:01

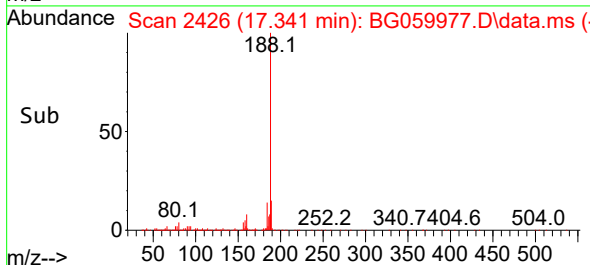
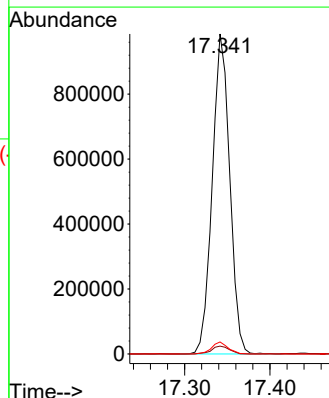
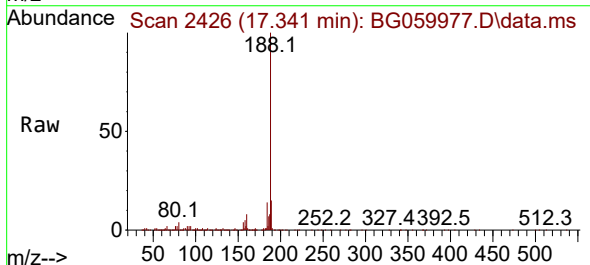
Tgt Ion:188 Resp: 1401196

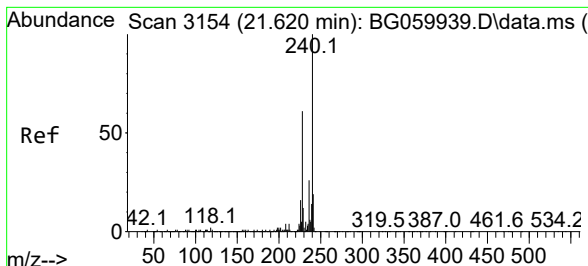
Ion Ratio Lower Upper

188 100

94 2.5 1.8 2.6

80 3.7 2.2 3.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.613 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG059977.D

Acq: 6 Dec 2023 20:01

Instrument :

BNA_G

ClientSampleId :

P3874-SP4

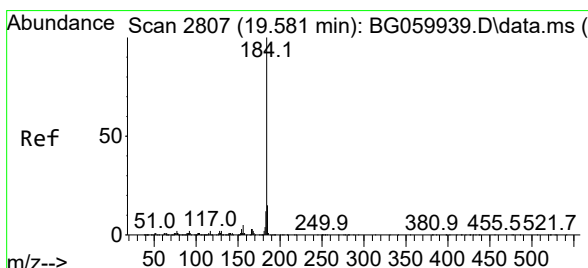
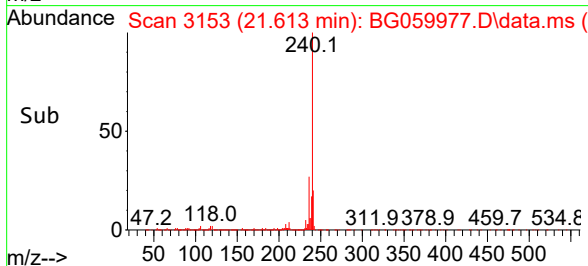
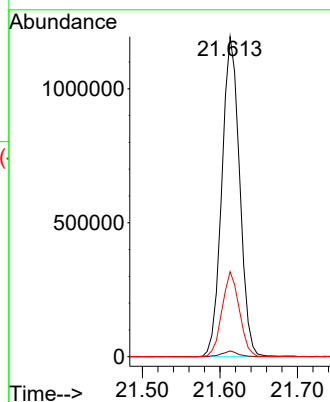
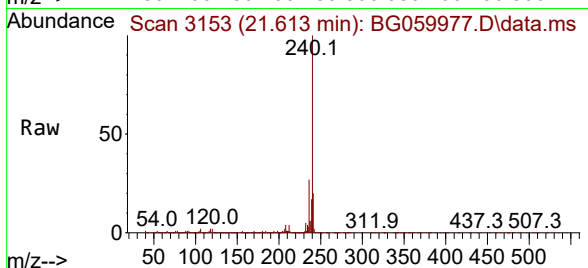
Tgt Ion:240 Resp: 1904615

Ion Ratio Lower Upper

240 100

120 1.8 1.0 1.4#

236 26.5 20.8 31.2



#77

Benzidine

Concen: 9.504 ng

RT: 19.968 min Scan# 2873

Delta R.T. 0.387 min

Lab File: BG059977.D

Acq: 6 Dec 2023 20:01

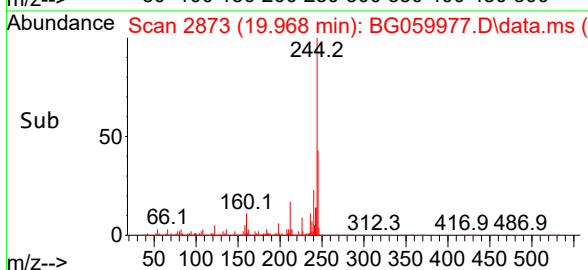
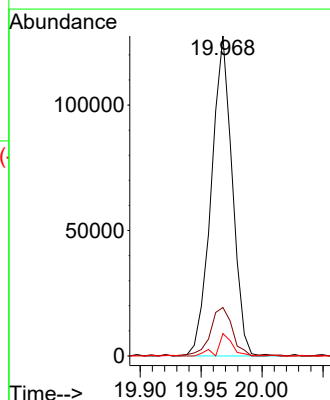
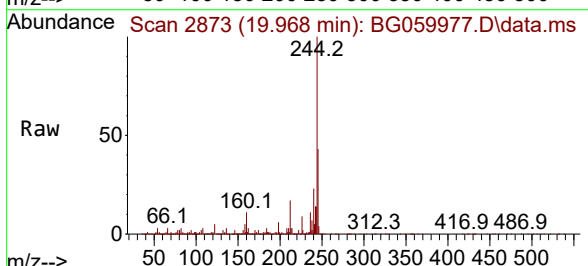
Tgt Ion:184 Resp: 152555

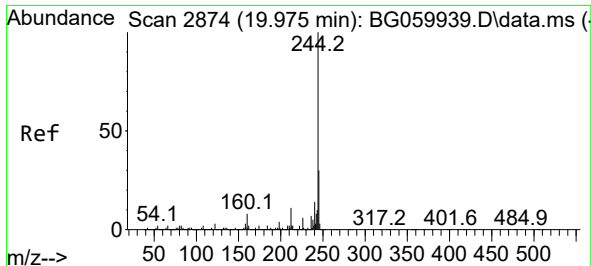
Ion Ratio Lower Upper

184 100

185 15.2 12.0 18.0

183 7.0 9.7 14.5#





#79

Terphenyl-d14

Concen: 58.128 ng

RT: 19.968 min Scan# 2

Delta R.T. -0.007 min

Lab File: BG059977.D

Acq: 6 Dec 2023 20:01

Instrument :

BNA_G

ClientSampleId :

P3874-SP4

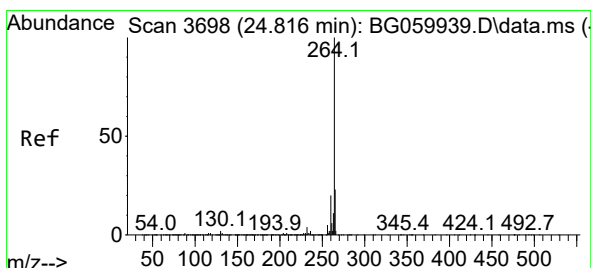
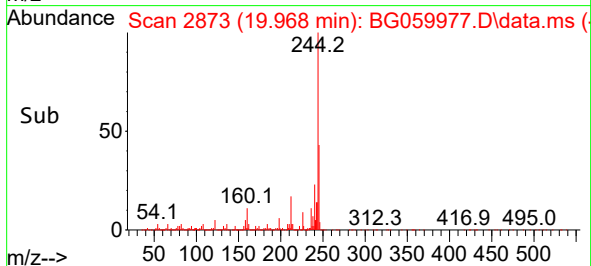
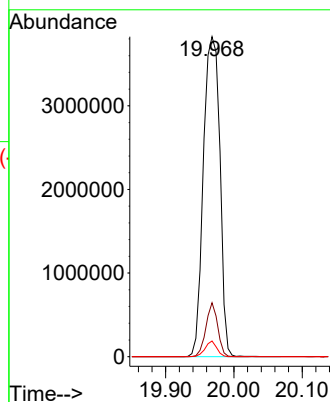
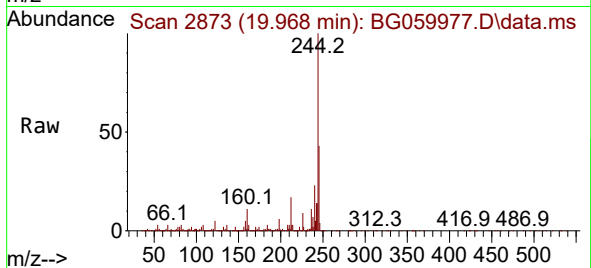
Tgt Ion:244 Resp: 6422198

Ion Ratio Lower Upper

244 100

212 16.8 8.6 13.0#

122 4.9 2.1 3.1#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.809 min Scan# 3697

Delta R.T. -0.007 min

Lab File: BG059977.D

Acq: 6 Dec 2023 20:01

Tgt Ion:264 Resp: 2306790

Ion Ratio Lower Upper

264 100

260 24.3 15.8 23.6#

265 21.0 18.1 27.1

