

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120623\
 Data File : BG059970.D
 Acq On : 6 Dec 2023 15:18
 Operator : MA/JU
 Sample : 05602-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SPRING-VALLEY-TP-2

Quant Time: Dec 06 16:25:43 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)

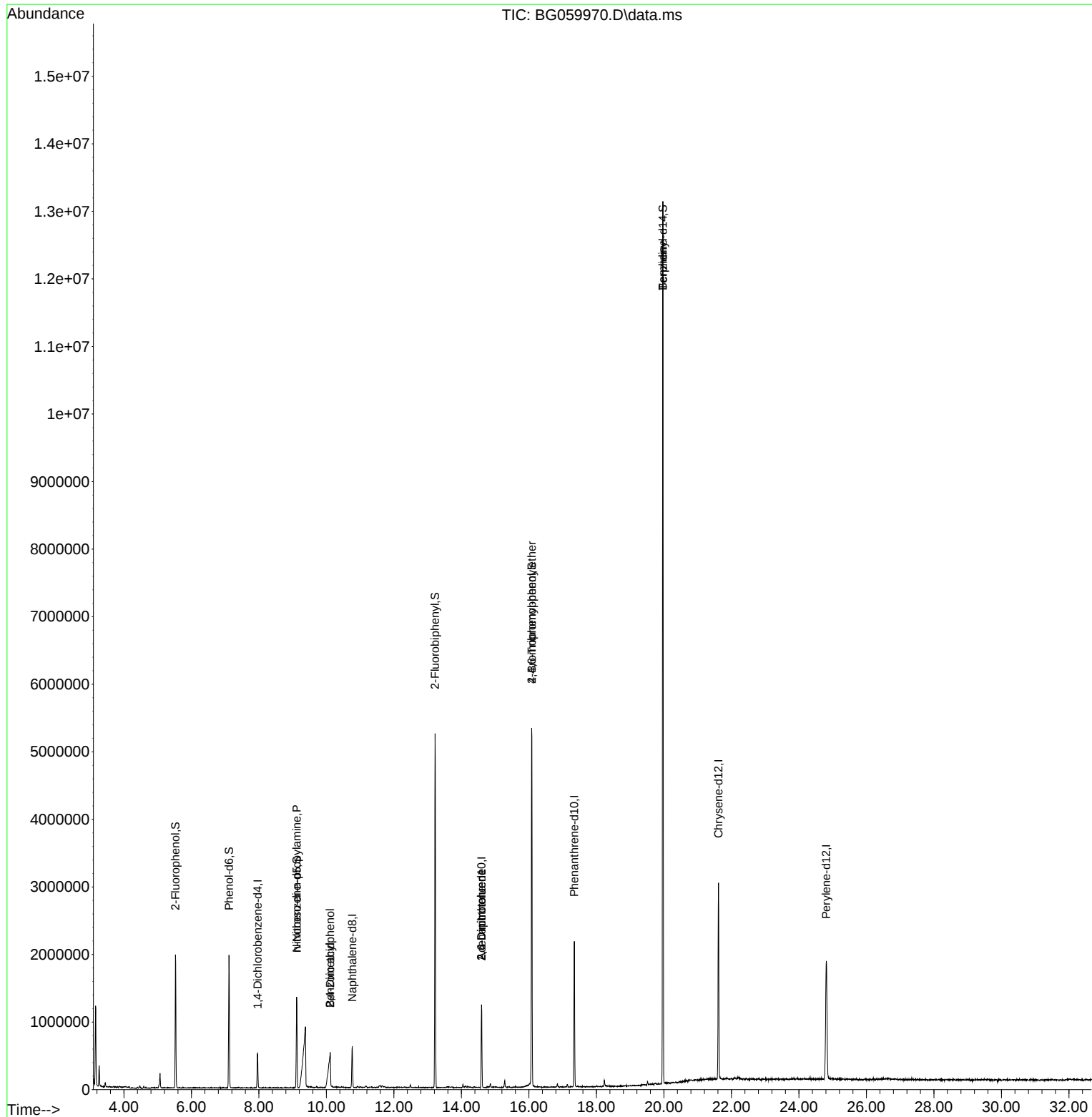
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.961	152	138535	20.000	ng	0.00
21) Naphthalene-d8	10.764	136	481584	20.000	ng	# 0.00
39) Acenaphthene-d10	14.595	164	436234	20.000	ng	0.00
64) Phenanthrene-d10	17.344	188	1492481	20.000	ng	# 0.00
76) Chrysene-d12	21.616	240	1995881	20.000	ng	# 0.00
86) Perylene-d12	24.806	264	2334098	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.529	112	779264	113.020	ng	0.00
7) Phenol-d6	7.115	99	995714	91.625	ng	0.00
23) Nitrobenzene-d5	9.119	82	825772	61.295	ng	0.00
42) 2,4,6-Tribromophenol	16.081	330	1351454	96.289	ng	0.00
45) 2-Fluorobiphenyl	13.220	172	2876191	71.911	ng	0.00
79) Terphenyl-d14	19.971	244	6333788	54.707	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.119	70	128293	15.753	ng	# 74
27) 2,4-Dimethylphenol	10.112	122	404212	68.691	ng	# 1
32) Benzoic acid	10.112	122	404212	72.036	ng	90
51) 2,6-Dinitrotoluene	14.595	165	59900	7.362	ng	# 20
57) 2,4-Dinitrotoluene	14.595	165	59900	5.294	ng	# 25
67) 4-Bromophenyl-phenylether	16.081	248	83524	3.266	ng	# 1
77) Benzidine	19.971	184	139635	8.301	ng	# 94

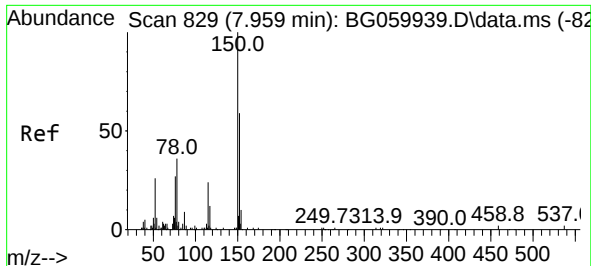
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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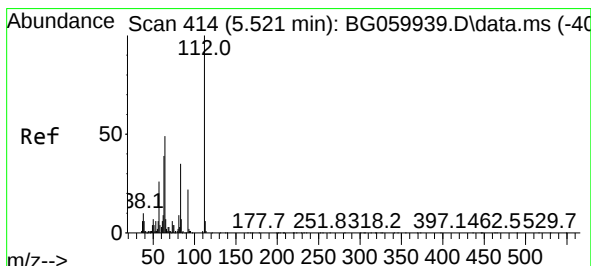
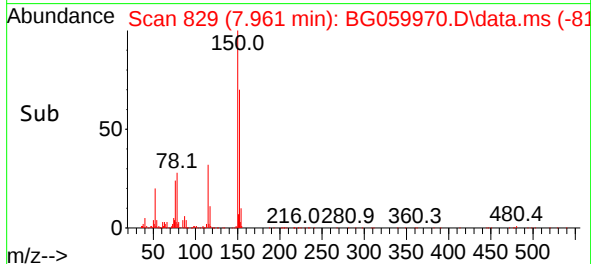
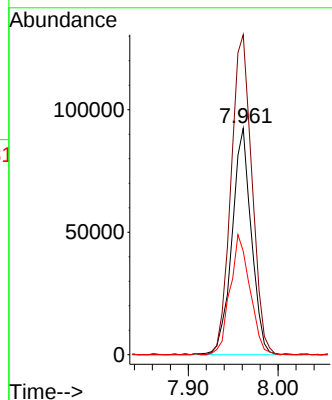
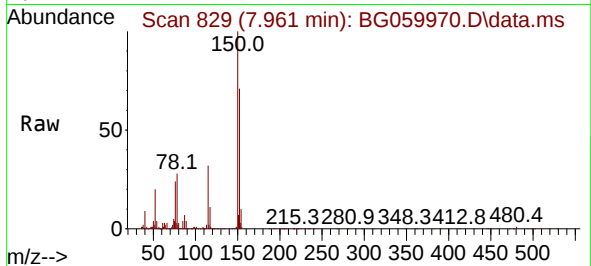




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.961 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG059970.D
Acq: 6 Dec 2023 15:18

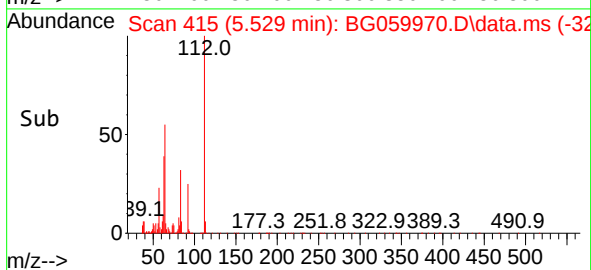
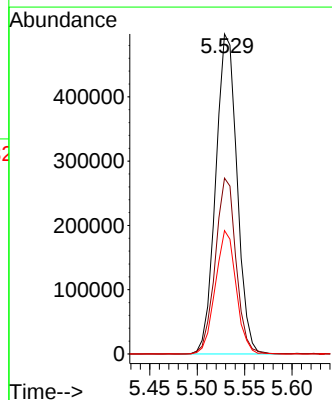
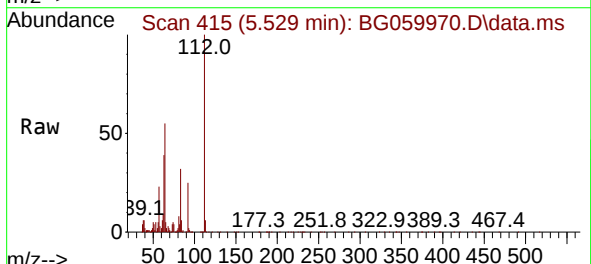
Instrument :
BNA_G
ClientSampleId :
SPRING-VALLEY-TP-2

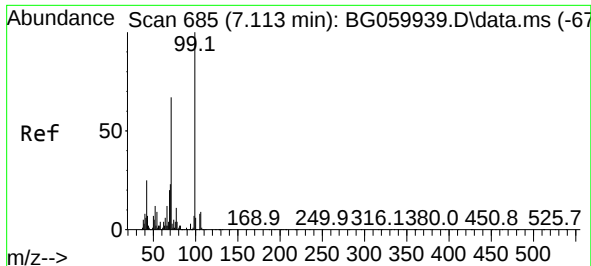
Tgt Ion:152 Resp: 138535
Ion Ratio Lower Upper
152 100
150 141.3 136.9 205.3
115 45.8 32.9 49.3



#5
2-Fluorophenol
Concen: 113.020 ng
RT: 5.529 min Scan# 415
Delta R.T. 0.008 min
Lab File: BG059970.D
Acq: 6 Dec 2023 15:18

Tgt Ion:112 Resp: 779264
Ion Ratio Lower Upper
112 100
64 55.0 39.4 59.0
63 38.6 31.2 46.8

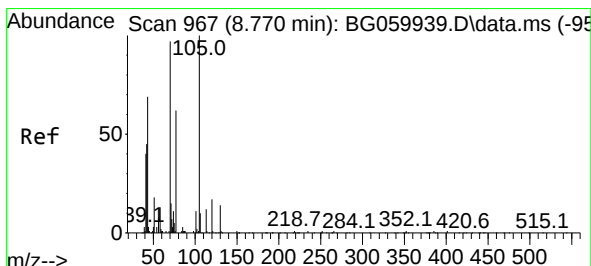
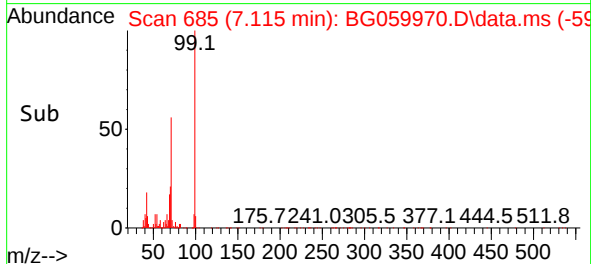
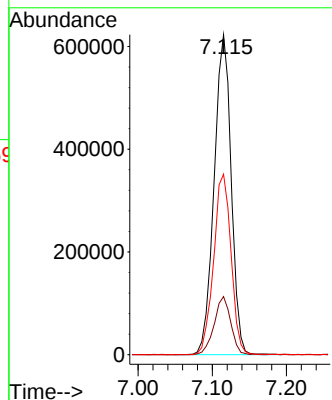
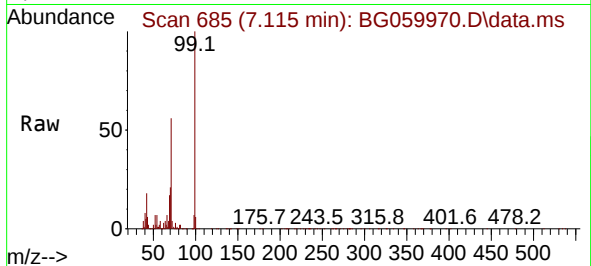




#7
Phenol-d6
Concen: 91.625 ng
RT: 7.115 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG059970.D
Acq: 6 Dec 2023 15:18

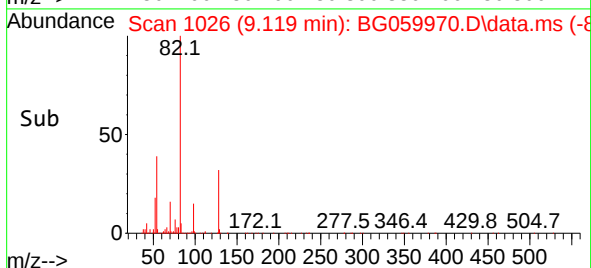
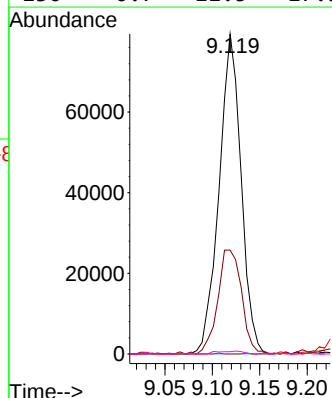
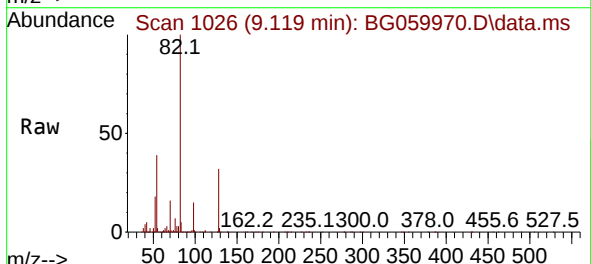
Instrument :
BNA_G
ClientSampleId :
SPRING-VALLEY-TP-2

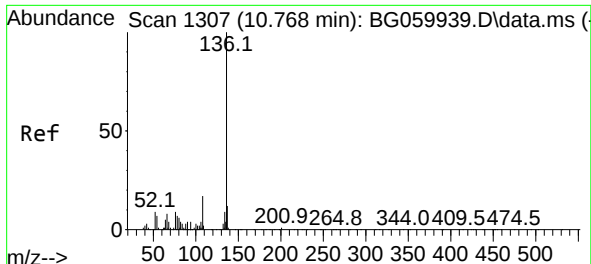
Tgt Ion: 99 Resp: 995714
Ion Ratio Lower Upper
99 100
42 18.2 20.1 30.1#
71 56.4 53.8 80.6



#19
n-Nitroso-di-n-propylamine
Concen: 15.753 ng
RT: 9.119 min Scan# 1026
Delta R.T. 0.349 min
Lab File: BG059970.D
Acq: 6 Dec 2023 15:18

Tgt Ion: 70 Resp: 128293
Ion Ratio Lower Upper
70 100
42 32.5 38.1 57.1#
101 0.0 8.6 13.0#
130 0.7 11.5 17.3#

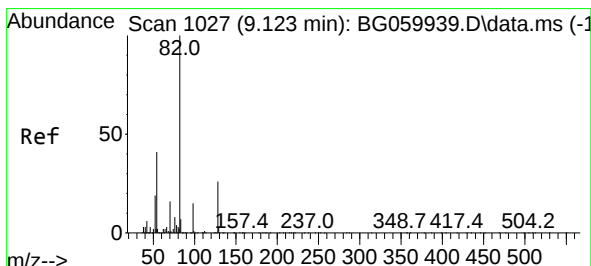
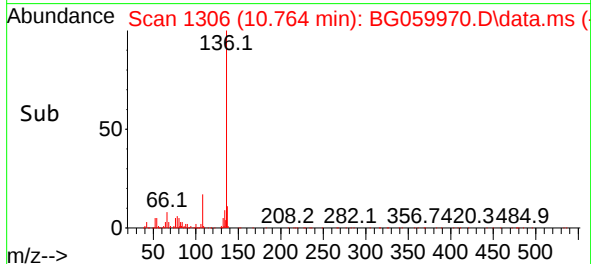
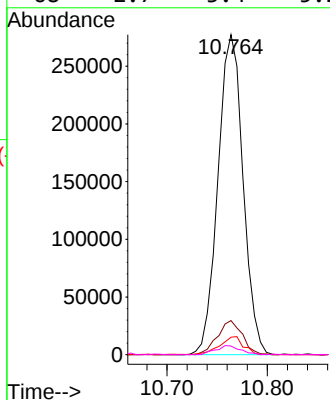
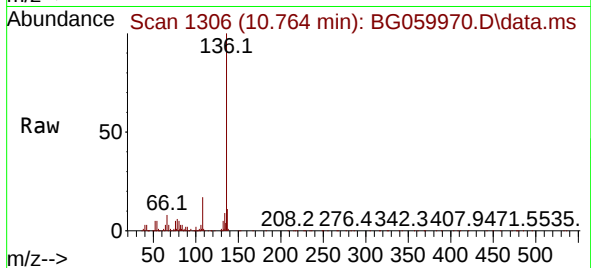




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.764 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG059970.D
Acq: 6 Dec 2023 15:18

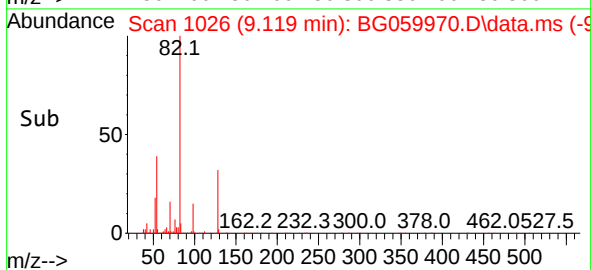
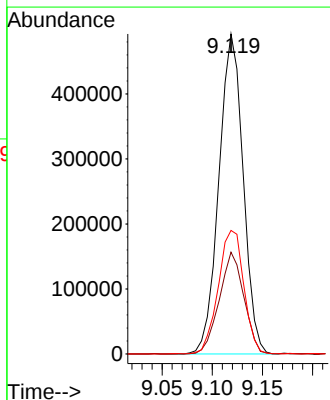
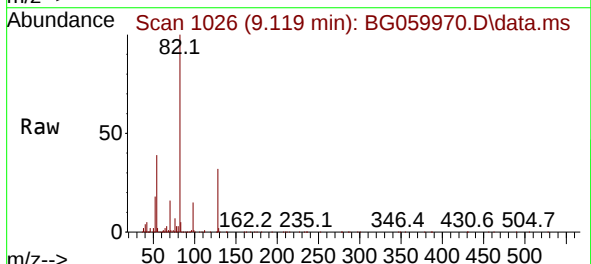
Instrument :
BNA_G
ClientSampleId :
SPRING-VALLEY-TP-2

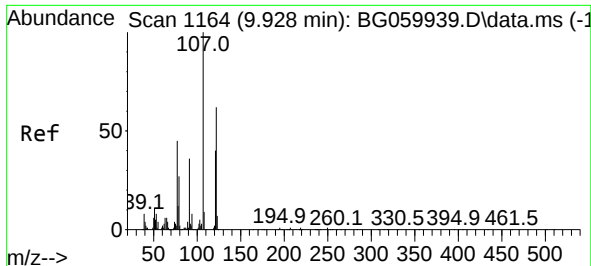
Tgt Ion:	136	Resp:	481584
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.8	14.6
54	5.5	5.8	8.6#
68	2.7	3.4	5.2#



#23
Nitrobenzene-d5
Concen: 61.295 ng
RT: 9.119 min Scan# 1026
Delta R.T. -0.004 min
Lab File: BG059970.D
Acq: 6 Dec 2023 15:18

Tgt Ion:	82	Resp:	825772
Ion	Ratio	Lower	Upper
82	100		
128	31.8	21.0	31.6#
54	38.6	32.6	48.8





#27

2,4-Dimethylphenol

Concen: 68.691 ng

RT: 10.112 min Scan# 1195

Delta R.T. 0.184 min

Lab File: BG059970.D

Acq: 6 Dec 2023 15:18

Instrument :

BNA_G

ClientSampleId :

SPRING-VALLEY-TP-2

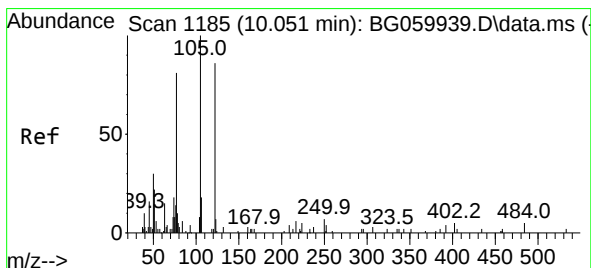
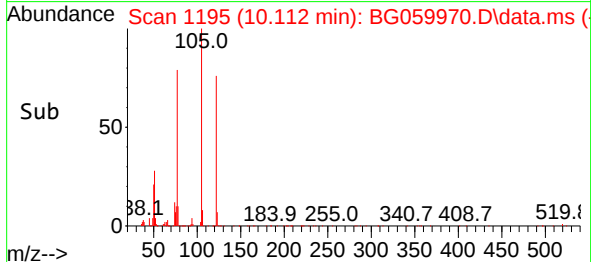
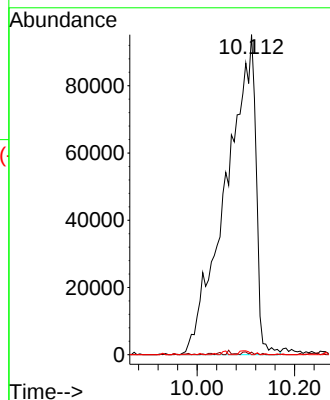
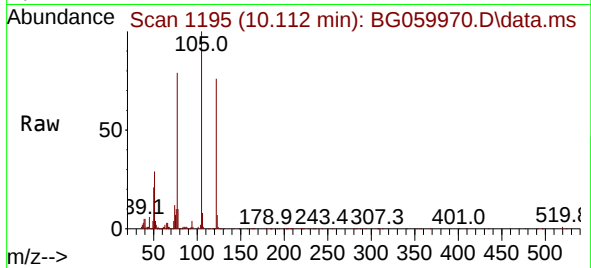
Tgt Ion:122 Resp: 404212

Ion Ratio Lower Upper

122 100

107 0.8 126.1 189.1#

121 0.0 50.3 75.5#



#32

Benzoic acid

Concen: 72.036 ng

RT: 10.112 min Scan# 1195

Delta R.T. 0.061 min

Lab File: BG059970.D

Acq: 6 Dec 2023 15:18

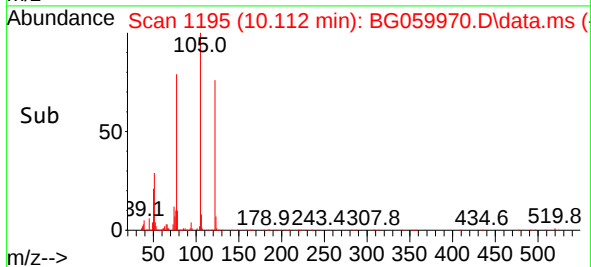
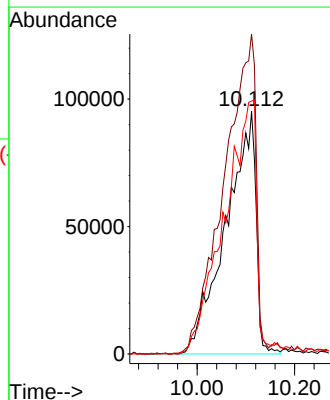
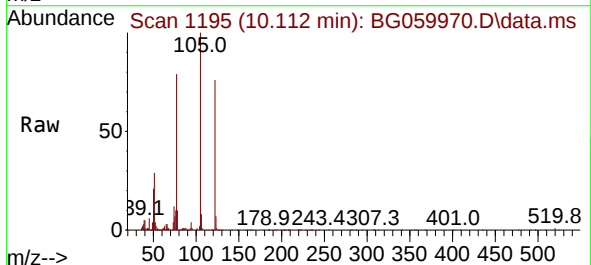
Tgt Ion:122 Resp: 404212

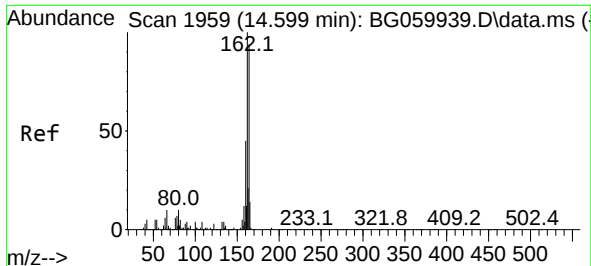
Ion Ratio Lower Upper

122 100

105 131.9 123.9 163.9

77 104.3 94.6 134.6

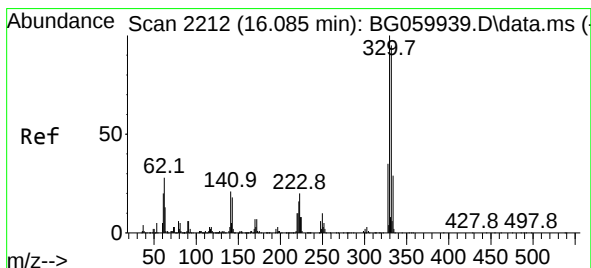
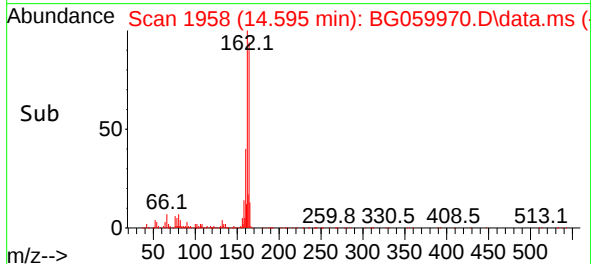
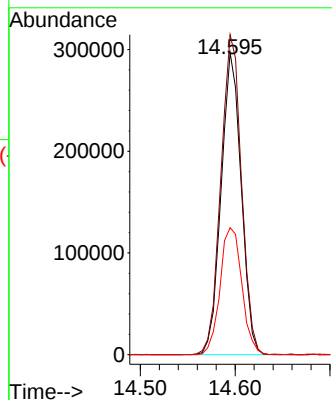
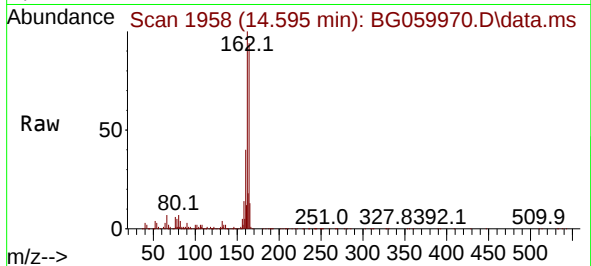




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.595 min Scan# 1958
Delta R.T. -0.004 min
Lab File: BG059970.D
Acq: 6 Dec 2023 15:18

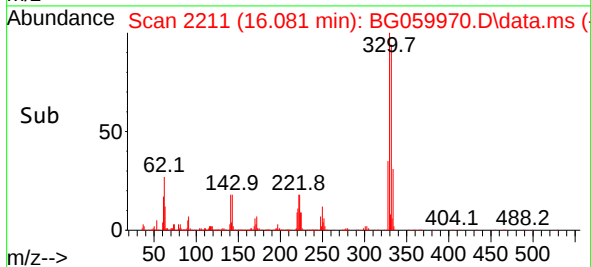
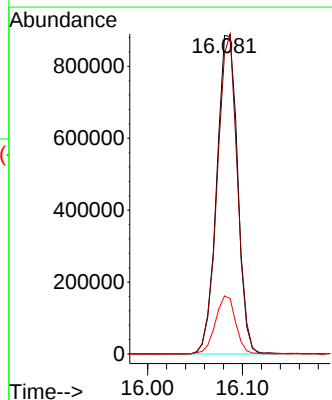
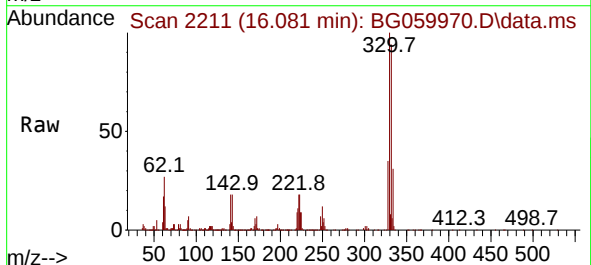
Instrument :
BNA_G
ClientSampleId :
SPRING-VALLEY-TP-2

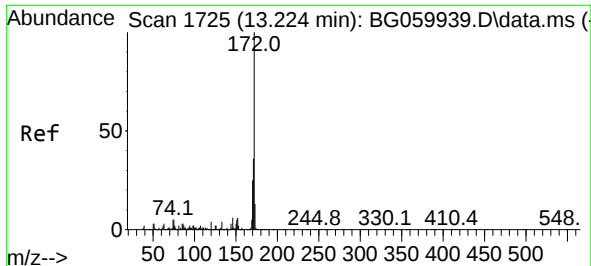
Tgt Ion:164 Resp: 436234
Ion Ratio Lower Upper
164 100
162 105.9 85.0 127.6
160 42.0 38.1 57.1



#42
2,4,6-Tribromophenol
Concen: 96.289 ng
RT: 16.081 min Scan# 2211
Delta R.T. -0.004 min
Lab File: BG059970.D
Acq: 6 Dec 2023 15:18

Tgt Ion:330 Resp: 1351454
Ion Ratio Lower Upper
330 100
332 96.9 76.5 114.7
141 17.8 15.0 22.6

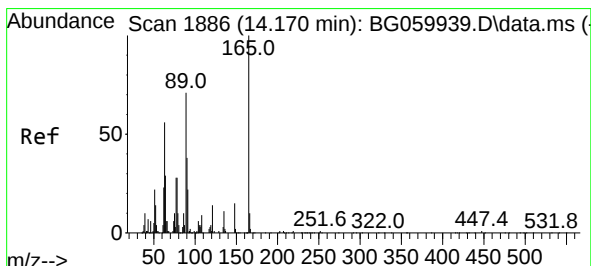
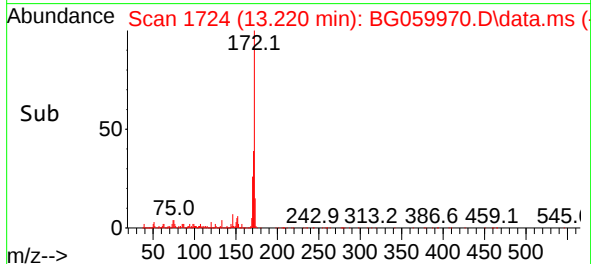
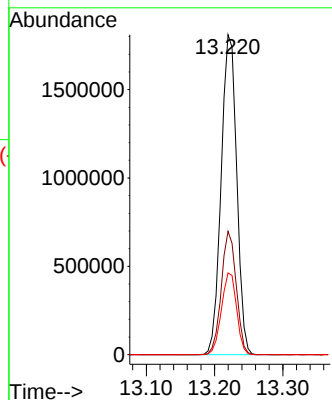
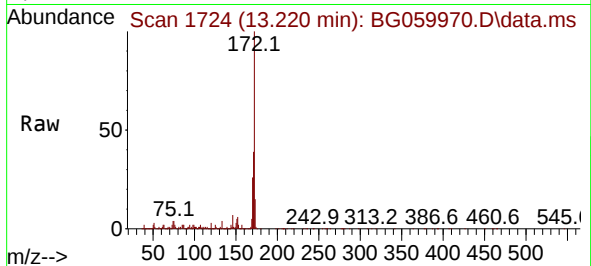




#45
2-Fluorobiphenyl
Concen: 71.911 ng
RT: 13.220 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG059970.D
Acq: 6 Dec 2023 15:18

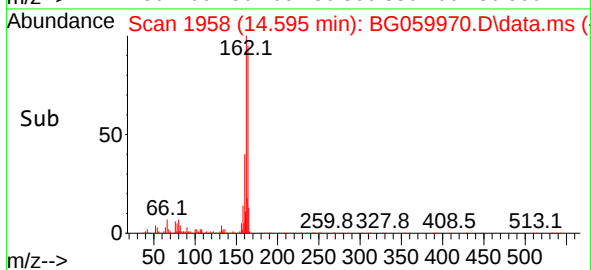
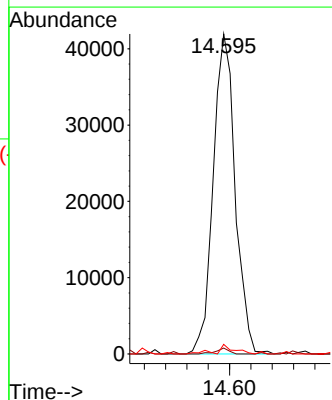
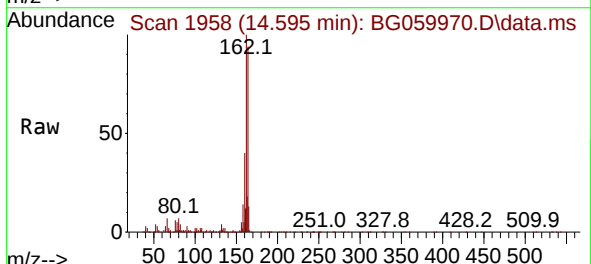
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SPRING-VALLEY-TP-2

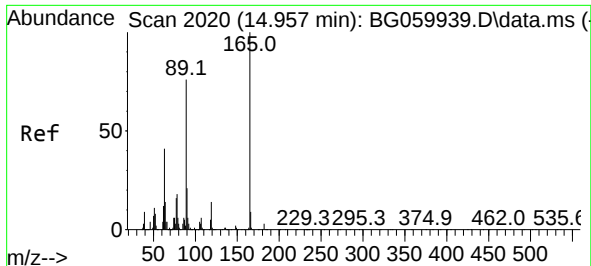
Tgt Ion:172 Resp: 2876191
Ion Ratio Lower Upper
172 100
171 38.6 28.6 43.0
170 25.6 19.8 29.8



#51
2,6-Dinitrotoluene
Concen: 7.362 ng
RT: 14.595 min Scan# 1958
Delta R.T. 0.425 min
Lab File: BG059970.D
Acq: 6 Dec 2023 15:18

Tgt Ion:165 Resp: 59900
Ion Ratio Lower Upper
165 100
63 1.8 47.2 70.8#
89 3.0 57.1 85.7#

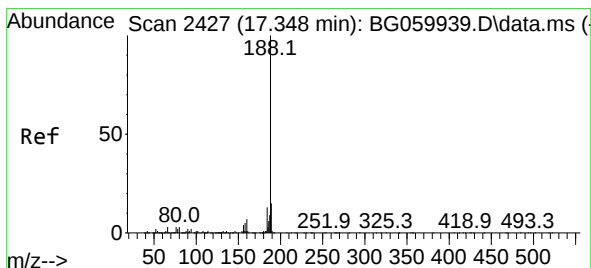
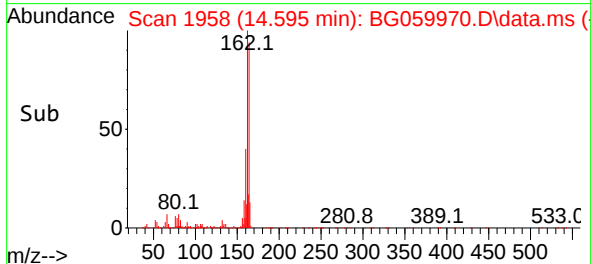
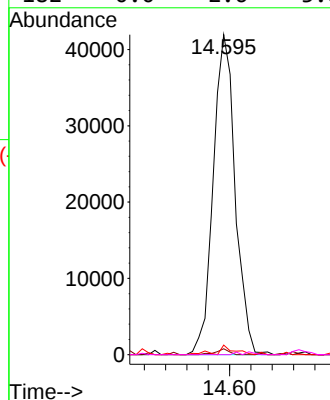
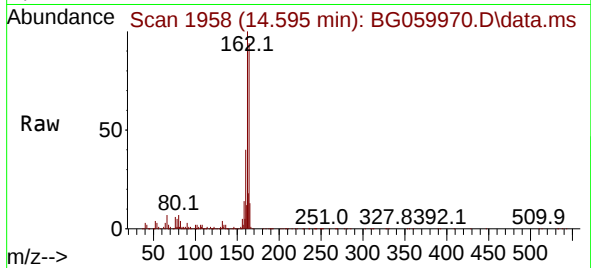




#57
2,4-Dinitrotoluene
Concen: 5.294 ng
RT: 14.595 min Scan# 1958
Delta R.T. -0.362 min
Lab File: BG059970.D
Acq: 6 Dec 2023 15:18

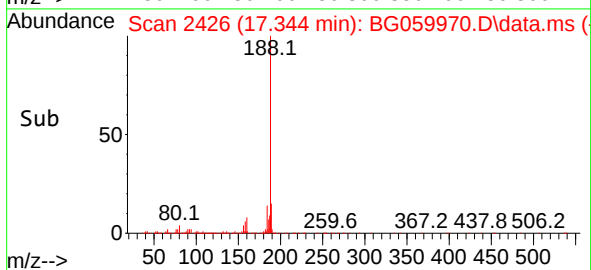
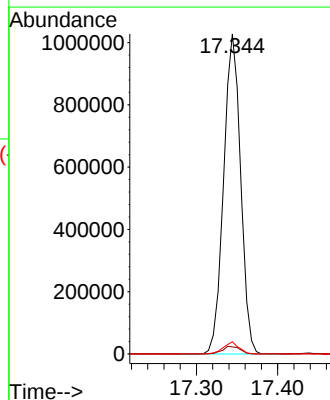
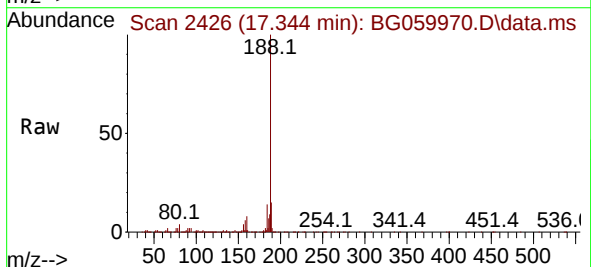
Instrument :
BNA_G
ClientSampleId :
SPRING-VALLEY-TP-2

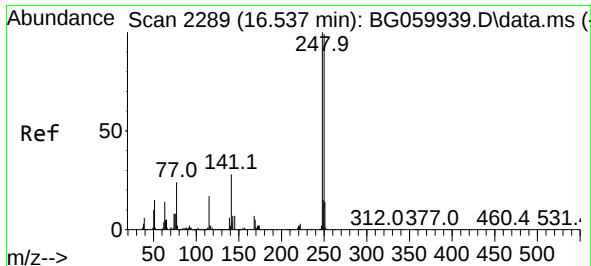
Tgt Ion:165 Resp: 59900
Ion Ratio Lower Upper
165 100
63 1.8 32.8 49.2#
89 3.0 60.6 90.8#
182 0.0 2.6 3.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.344 min Scan# 2426
Delta R.T. -0.004 min
Lab File: BG059970.D
Acq: 6 Dec 2023 15:18

Tgt Ion:188 Resp: 1492481
Ion Ratio Lower Upper
188 100
94 2.2 1.8 2.6
80 3.8 2.2 3.4#

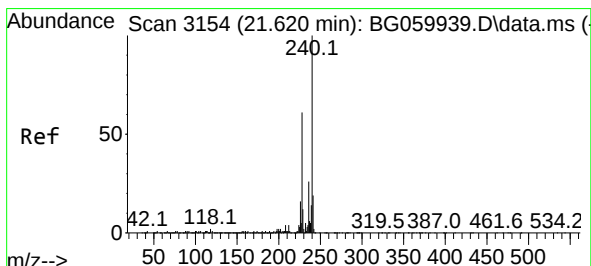
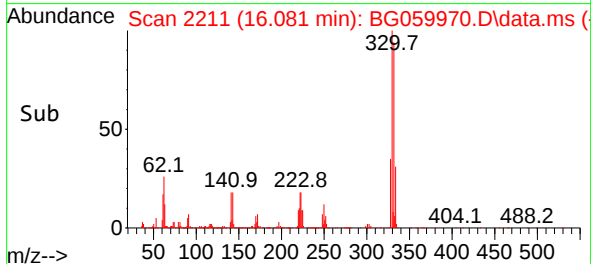
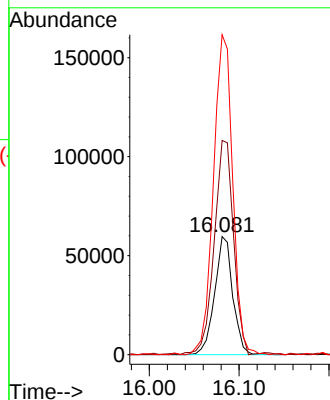
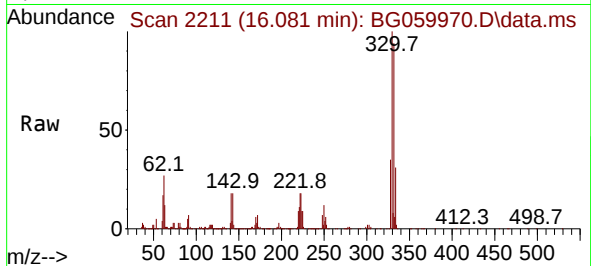




#67
4-Bromophenyl-phenylether
Concen: 3.266 ng
RT: 16.081 min Scan# 21
Delta R.T. -0.456 min
Lab File: BG059970.D
Acq: 6 Dec 2023 15:18

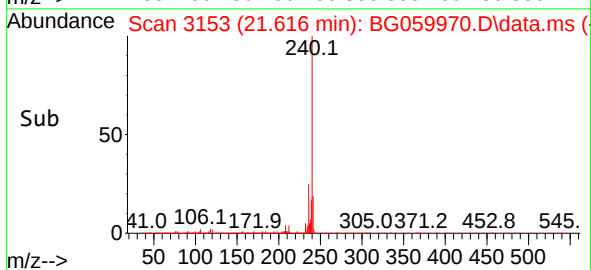
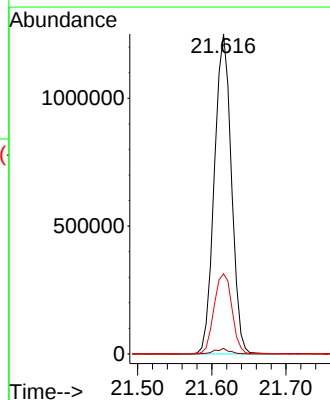
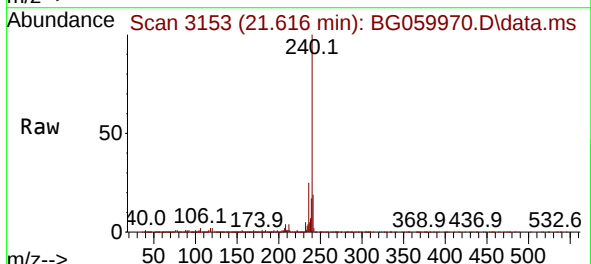
Instrument :
BNA_G
ClientSampleId :
SPRING-VALLEY-TP-2

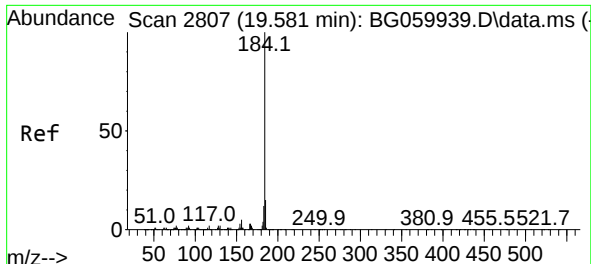
Tgt Ion:248 Resp: 83524
Ion Ratio Lower Upper
248 100
250 181.4 79.0 118.4#
141 271.0 22.3 33.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3153
Delta R.T. -0.004 min
Lab File: BG059970.D
Acq: 6 Dec 2023 15:18

Tgt Ion:240 Resp: 1995881
Ion Ratio Lower Upper
240 100
120 1.7 1.0 1.4#
236 25.1 20.8 31.2

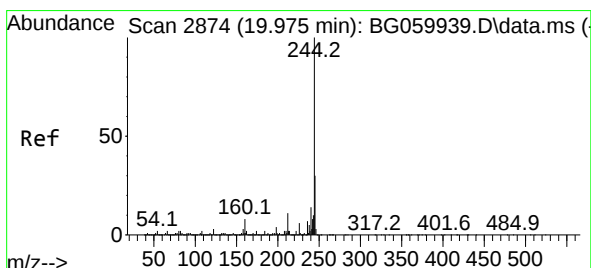
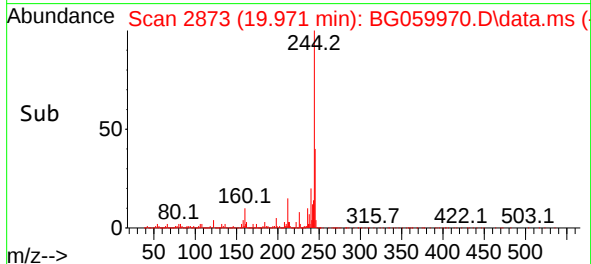
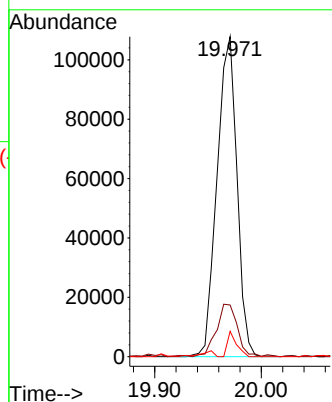
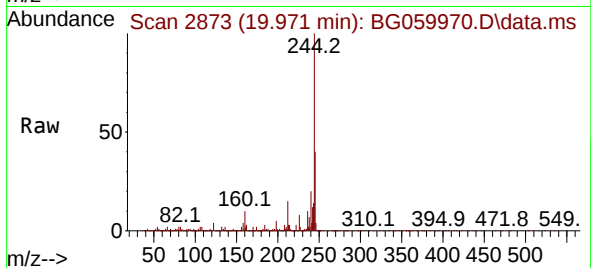




#77
Benzidine
Concen: 8.301 ng
RT: 19.971 min Scan# 2873
Delta R.T. 0.390 min
Lab File: BG059970.D
Acq: 6 Dec 2023 15:18

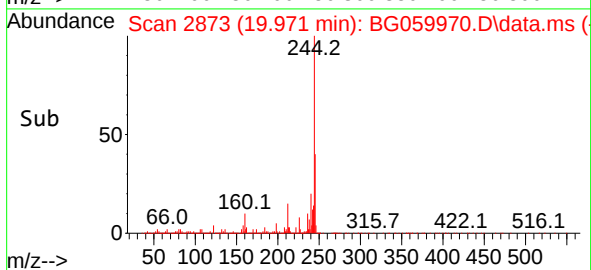
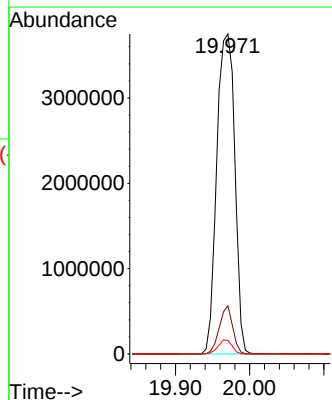
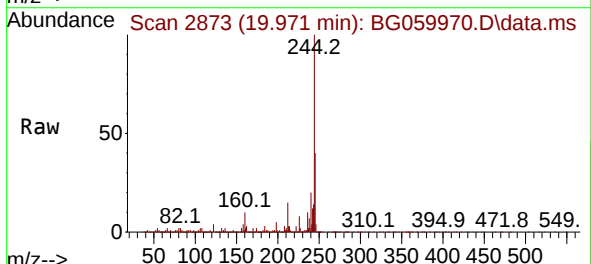
Instrument :
BNA_G
ClientSampleId :
SPRING-VALLEY-TP-2

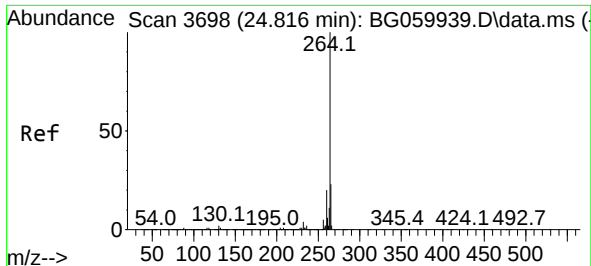
Tgt Ion:184 Resp: 139635
Ion Ratio Lower Upper
184 100
185 16.1 12.0 18.0
183 7.9 9.7 14.5#



#79
Terphenyl-d14
Concen: 54.707 ng
RT: 19.971 min Scan# 2873
Delta R.T. -0.004 min
Lab File: BG059970.D
Acq: 6 Dec 2023 15:18

Tgt Ion:244 Resp: 6333788
Ion Ratio Lower Upper
244 100
212 15.0 8.6 13.0#
122 4.2 2.1 3.1#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.806 min Scan# 30
Delta R.T. -0.010 min
Lab File: BG059970.D
Acq: 6 Dec 2023 15:18

Instrument :
BNA_G
ClientSampleId :
SPRING-VALLEY-TP-2

Tgt Ion:264 Resp: 2334098

Ion	Ratio	Lower	Upper
264	100		
260	23.1	15.8	23.6
265	20.4	18.1	27.1

