

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120623\
 Data File : BG059967.D
 Acq On : 6 Dec 2023 13:16
 Operator : MA/JU
 Sample : 05602-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SPRING-VALLEY-TP-1

Quant Time: Dec 06 13:53:49 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)

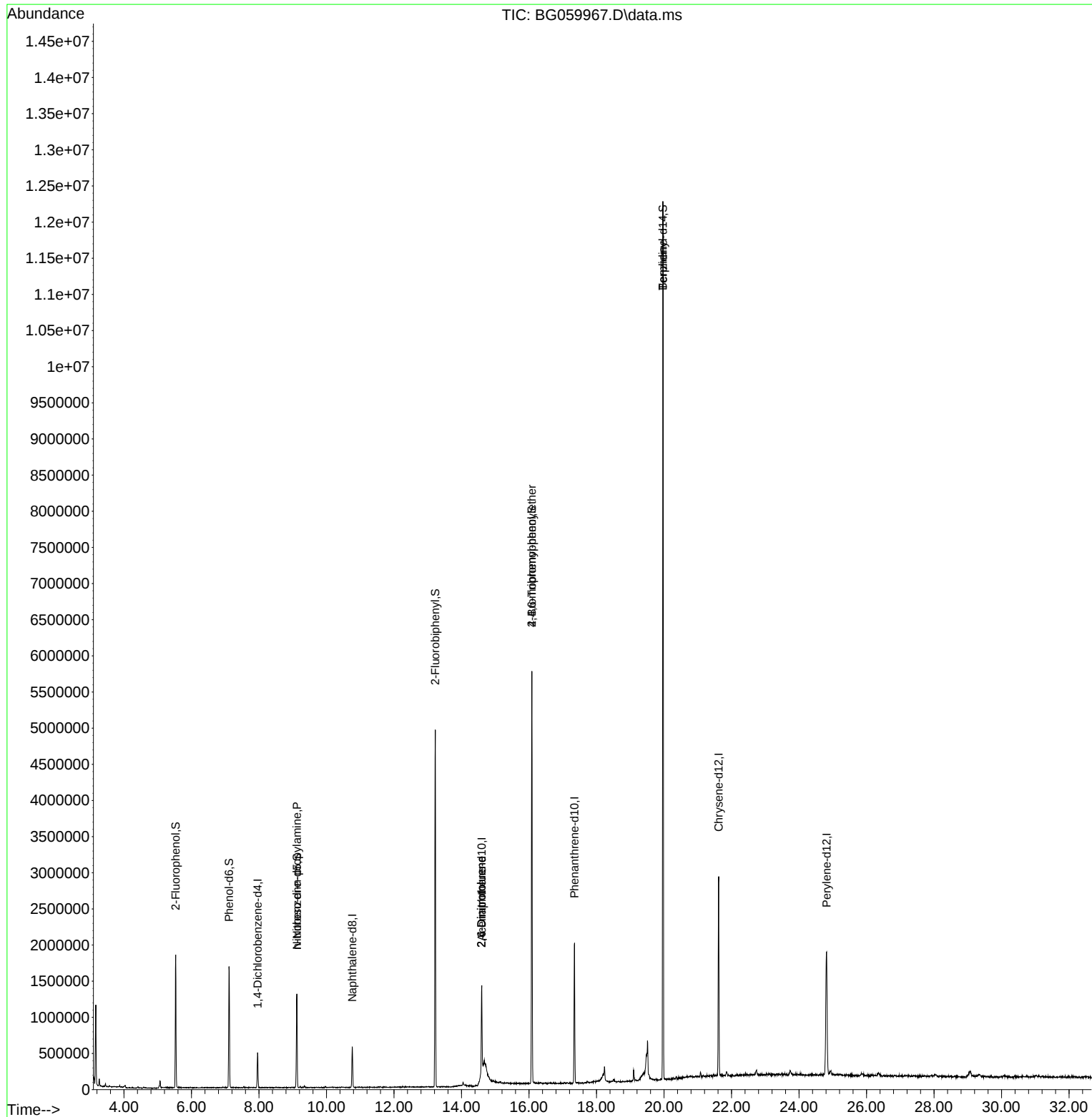
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.959	152	128309	20.000	ng	# 0.00
21) Naphthalene-d8	10.761	136	442116	20.000	ng	# 0.00
39) Acenaphthene-d10	14.598	164	410859	20.000	ng	0.00
64) Phenanthrene-d10	17.348	188	1401202	20.000	ng	0.00
76) Chrysene-d12	21.619	240	1882407	20.000	ng	0.00
86) Perylene-d12	24.815	264	2257978	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.532	112	677350	106.068	ng	0.01
7) Phenol-d6	7.112	99	867217	86.161	ng	0.00
23) Nitrobenzene-d5	9.122	82	786146	63.563	ng	0.00
42) 2,4,6-Tribromophenol	16.084	330	1424177	107.737	ng	0.00
45) 2-Fluorobiphenyl	13.223	172	2677741	71.085	ng	0.00
79) Terphenyl-d14	19.968	244	6001217	54.959	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.122	70	119261	15.811	ng	# 76
51) 2,6-Dinitrotoluene	14.592	165	57264	7.473	ng	# 19
57) 2,4-Dinitrotoluene	14.592	165	57264	5.373	ng	# 23
67) 4-Bromophenyl-phenylether	16.084	248	81986	3.415	ng	# 1
77) Benzidine	19.968	184	132133	8.328	ng	# 89

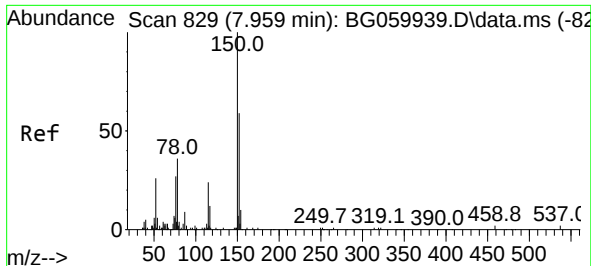
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 06 13:53:49 2023
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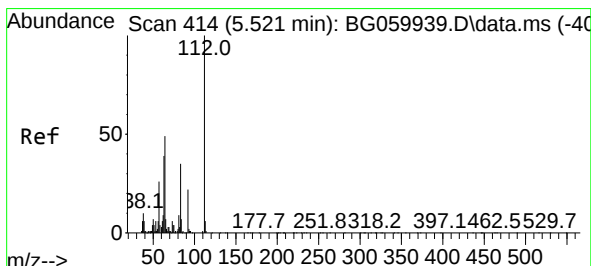
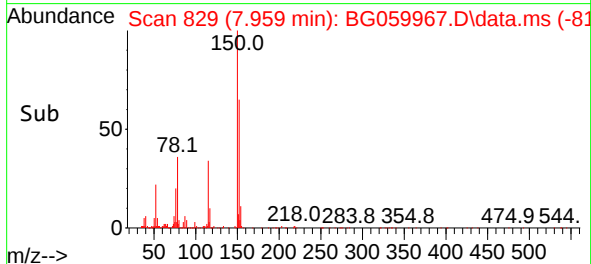
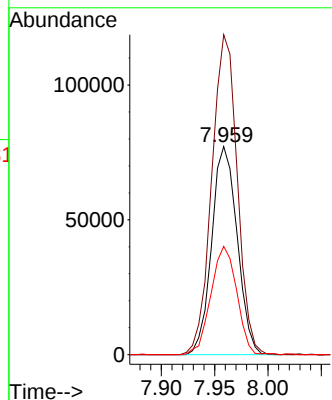
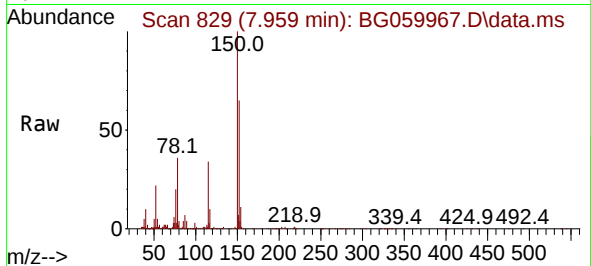




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.959 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG059967.D
Acq: 6 Dec 2023 13:16

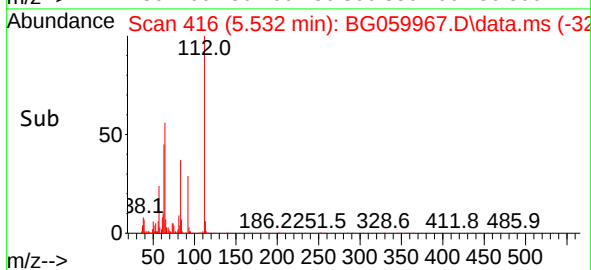
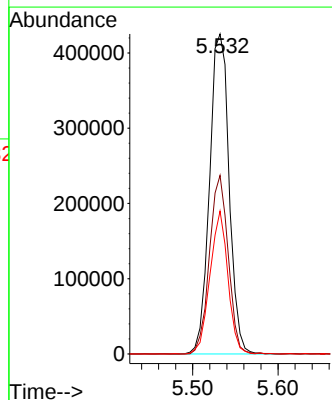
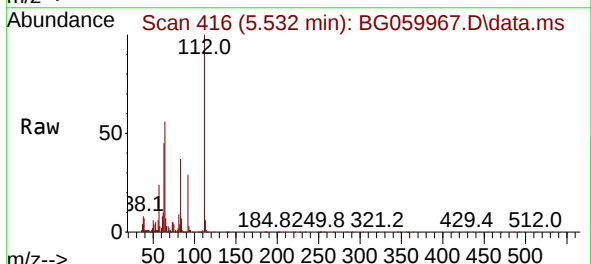
Instrument :
BNA_G
ClientSampleId :
SPRING-VALLEY-TP-1

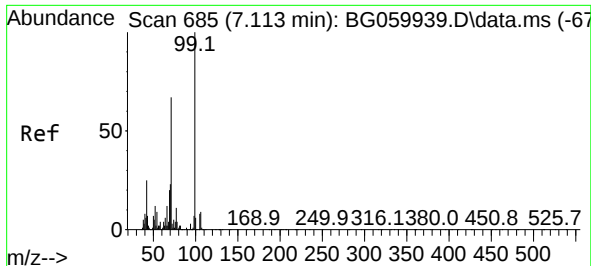
Tgt Ion:152 Resp: 128309
Ion Ratio Lower Upper
152 100
150 153.7 136.9 205.3
115 52.0 32.9 49.3#



#5
2-Fluorophenol
Concen: 106.068 ng
RT: 5.532 min Scan# 416
Delta R.T. 0.011 min
Lab File: BG059967.D
Acq: 6 Dec 2023 13:16

Tgt Ion:112 Resp: 677350
Ion Ratio Lower Upper
112 100
64 55.8 39.4 59.0
63 44.7 31.2 46.8

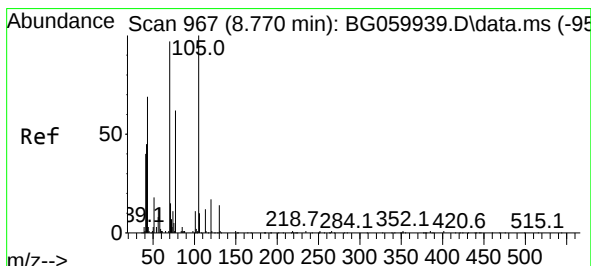
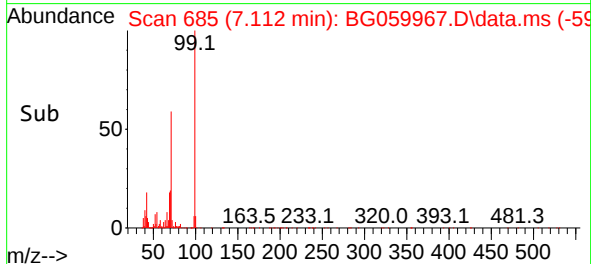
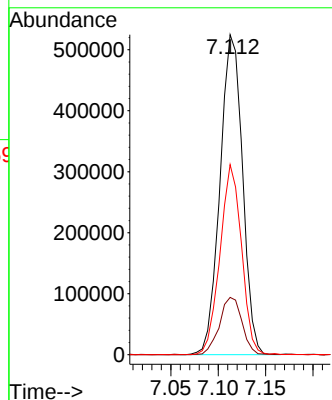
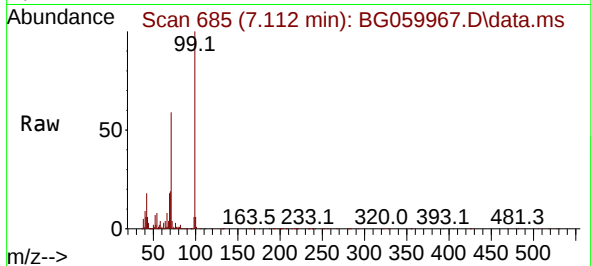




#7
Phenol-d6
Concen: 86.161 ng
RT: 7.112 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG059967.D
Acq: 6 Dec 2023 13:16

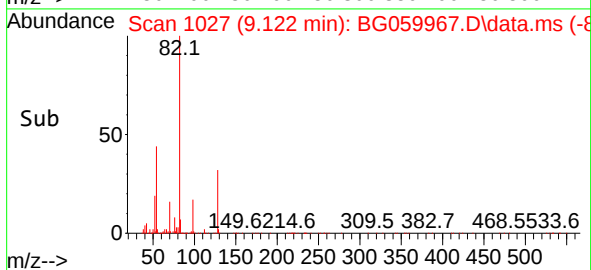
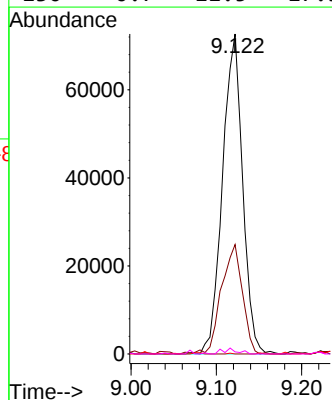
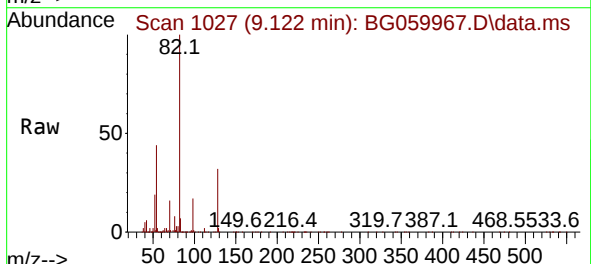
Instrument :
BNA_G
ClientSampleId :
SPRING-VALLEY-TP-1

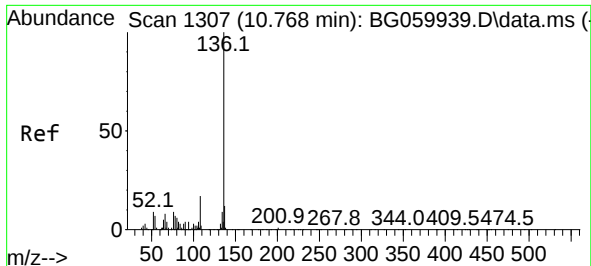
Tgt Ion: 99 Resp: 867217
Ion Ratio Lower Upper
99 100
42 17.9 20.1 30.1#
71 59.4 53.8 80.6



#19
n-Nitroso-di-n-propylamine
Concen: 15.811 ng
RT: 9.122 min Scan# 1027
Delta R.T. 0.352 min
Lab File: BG059967.D
Acq: 6 Dec 2023 13:16

Tgt Ion: 70 Resp: 119261
Ion Ratio Lower Upper
70 100
42 34.2 38.1 57.1#
101 0.0 8.6 13.0#
130 0.7 11.5 17.3#

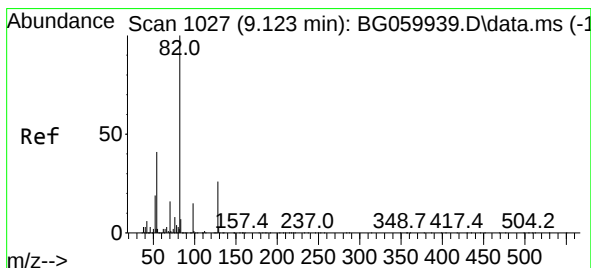
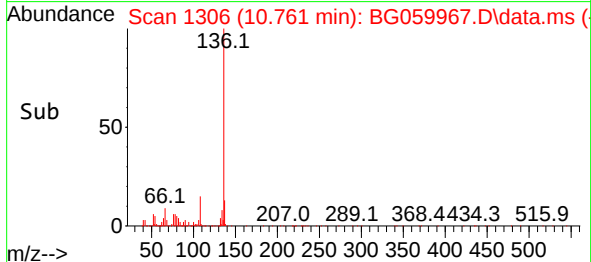
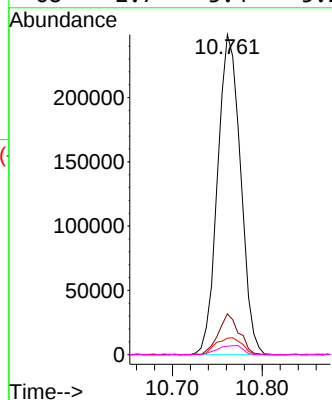
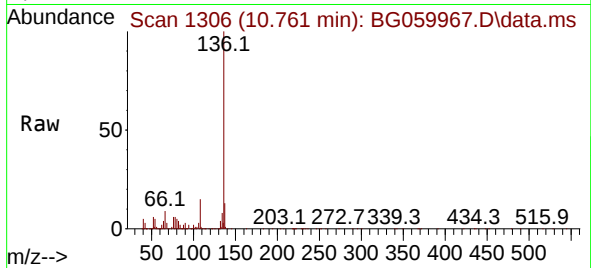




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.761 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG059967.D
Acq: 6 Dec 2023 13:16

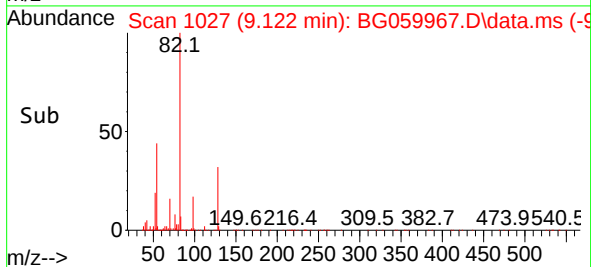
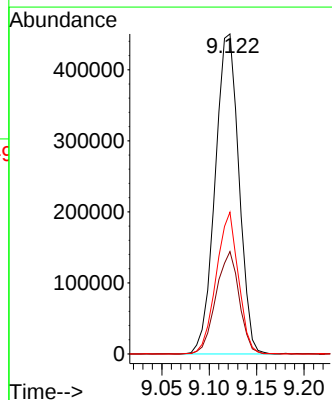
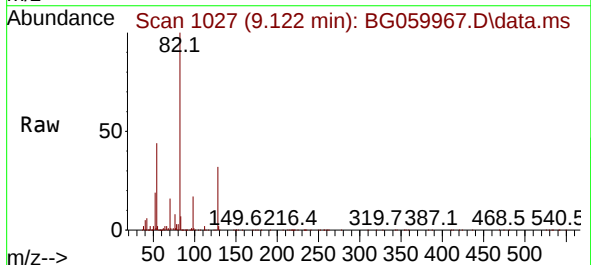
Instrument :
BNA_G
ClientSampleId :
SPRING-VALLEY-TP-1

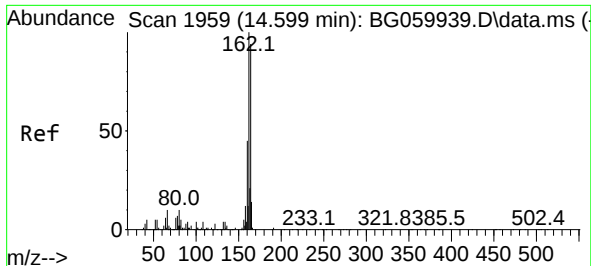
Tgt Ion:136 Resp: 442116
Ion Ratio Lower Upper
136 100
137 12.8 9.8 14.6
54 5.1 5.8 8.6#
68 2.7 3.4 5.2#



#23
Nitrobenzene-d5
Concen: 63.563 ng
RT: 9.122 min Scan# 1027
Delta R.T. -0.001 min
Lab File: BG059967.D
Acq: 6 Dec 2023 13:16

Tgt Ion: 82 Resp: 786146
Ion Ratio Lower Upper
82 100
128 32.0 21.0 31.6#
54 44.3 32.6 48.8

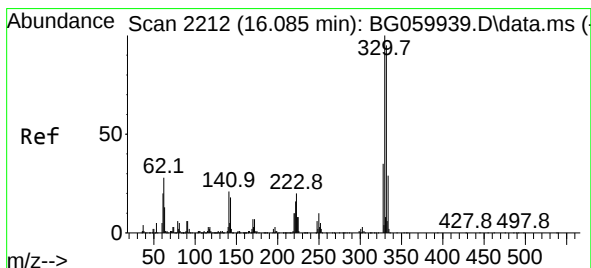
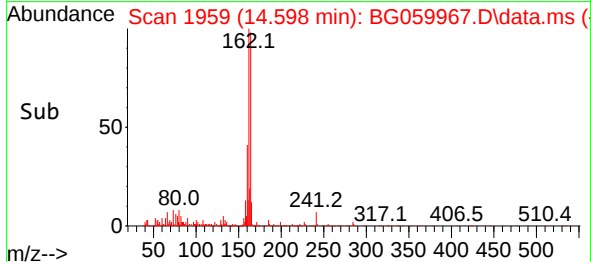
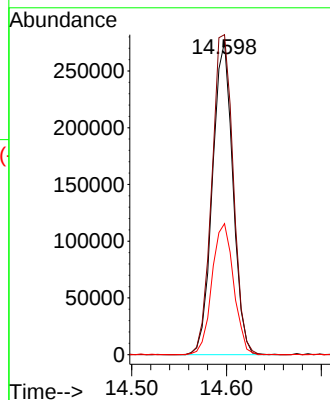
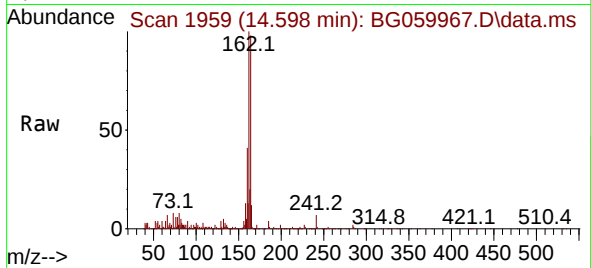




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.598 min Scan# 1959
Delta R.T. -0.001 min
Lab File: BG059967.D
Acq: 6 Dec 2023 13:16

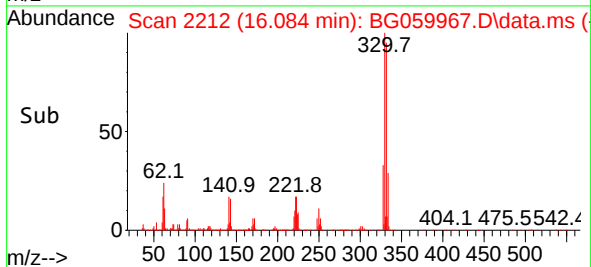
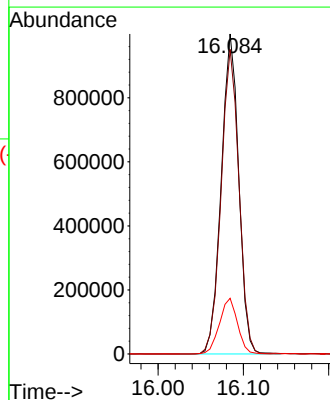
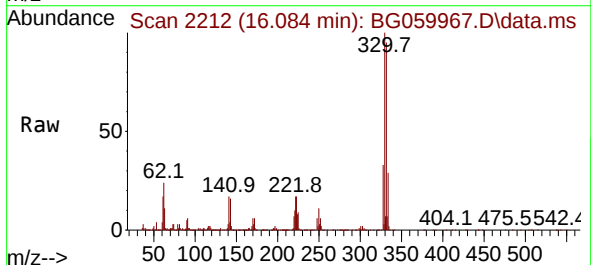
Instrument :
BNA_G
ClientSampleId :
SPRING-VALLEY-TP-1

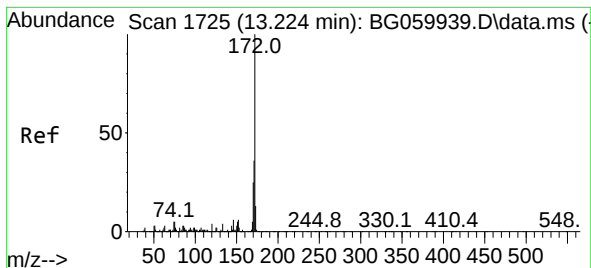
Tgt Ion:164 Resp: 410859
Ion Ratio Lower Upper
164 100
162 102.2 85.0 127.6
160 41.9 38.1 57.1



#42
2,4,6-Tribromophenol
Concen: 107.737 ng
RT: 16.084 min Scan# 2212
Delta R.T. -0.001 min
Lab File: BG059967.D
Acq: 6 Dec 2023 13:16

Tgt Ion:330 Resp: 1424177
Ion Ratio Lower Upper
330 100
332 96.8 76.5 114.7
141 18.0 15.0 22.6





#45

2-Fluorobiphenyl

Concen: 71.085 ng

RT: 13.223 min Scan# 1

Delta R.T. -0.001 min

Lab File: BG059967.D

Acq: 6 Dec 2023 13:16

Instrument :

BNA_G

ClientSampleId :

SPRING-VALLEY-TP-1

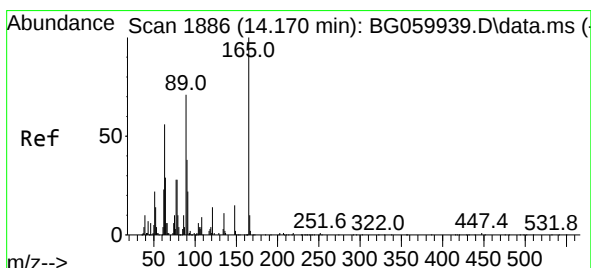
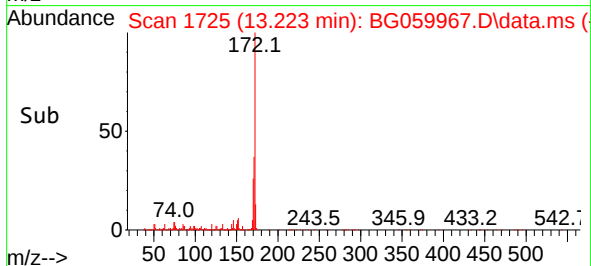
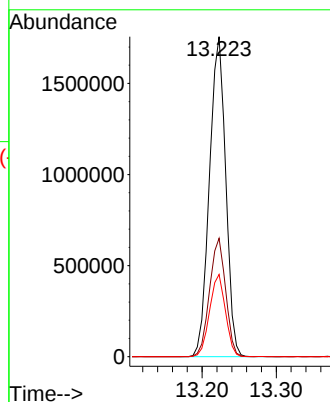
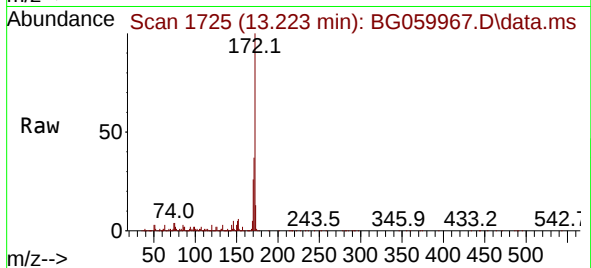
Tgt Ion:172 Resp: 2677741

Ion Ratio Lower Upper

172 100

171 37.0 28.6 43.0

170 25.7 19.8 29.8



#51

2,6-Dinitrotoluene

Concen: 7.473 ng

RT: 14.592 min Scan# 1958

Delta R.T. 0.422 min

Lab File: BG059967.D

Acq: 6 Dec 2023 13:16

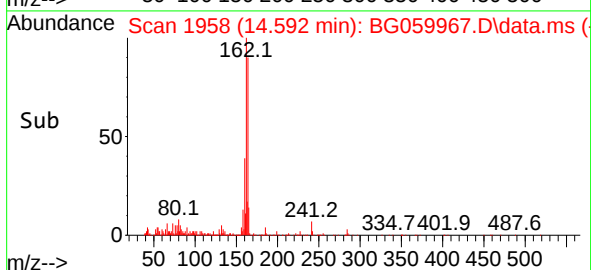
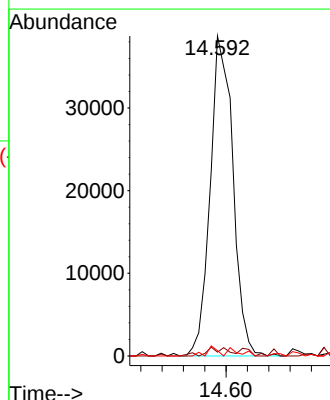
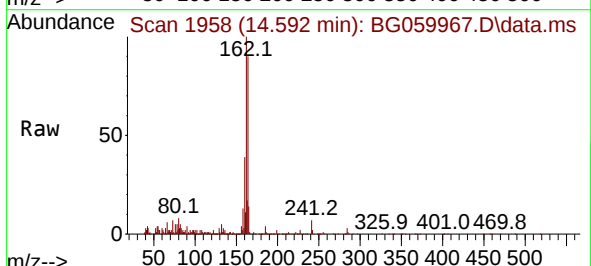
Tgt Ion:165 Resp: 57264

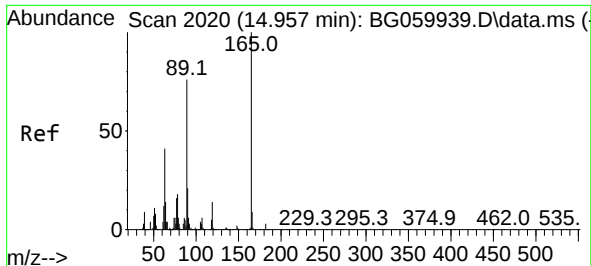
Ion Ratio Lower Upper

165 100

63 1.2 47.2 70.8#

89 1.6 57.1 85.7#

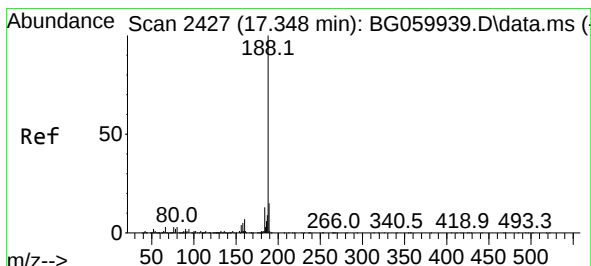
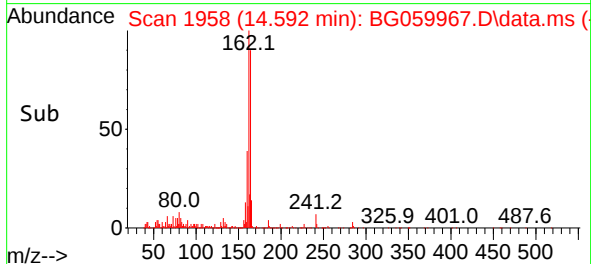
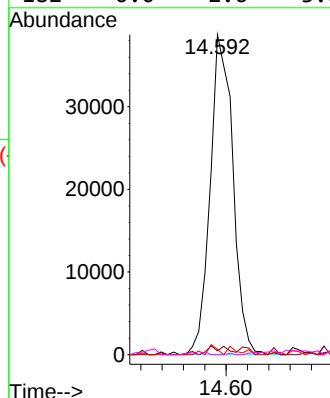
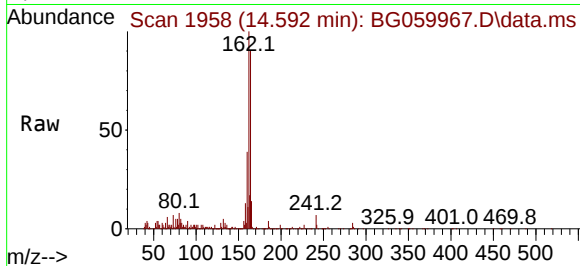




#57
2,4-Dinitrotoluene
Concen: 5.373 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.365 min
Lab File: BG059967.D
Acq: 6 Dec 2023 13:16

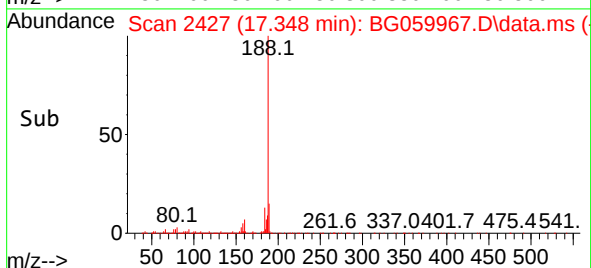
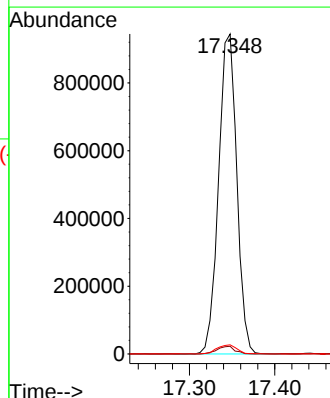
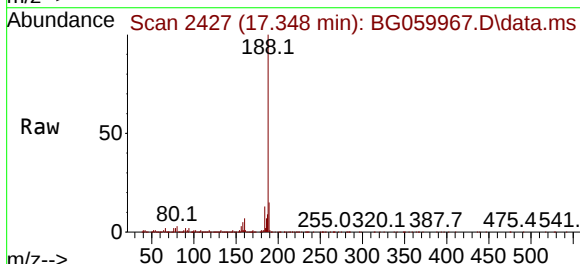
Instrument :
BNA_G
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SPRING-VALLEY-TP-1

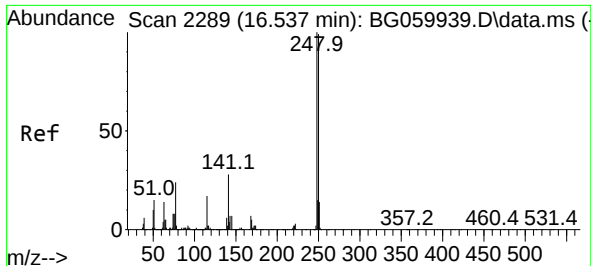
Tgt Ion:165 Resp: 57264
Ion Ratio Lower Upper
165 100
63 1.2 32.8 49.2#
89 1.6 60.6 90.8#
182 0.0 2.6 3.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.348 min Scan# 2427
Delta R.T. -0.001 min
Lab File: BG059967.D
Acq: 6 Dec 2023 13:16

Tgt Ion:188 Resp: 1401202
Ion Ratio Lower Upper
188 100
94 2.4 1.8 2.6
80 2.9 2.2 3.4

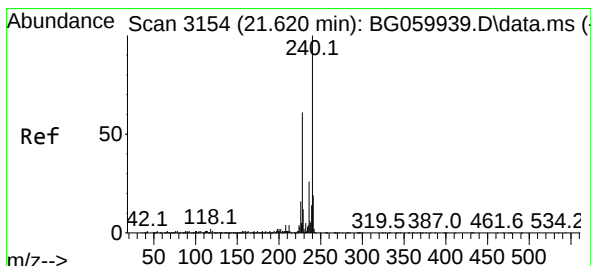
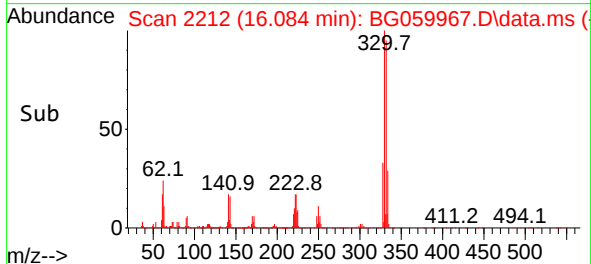
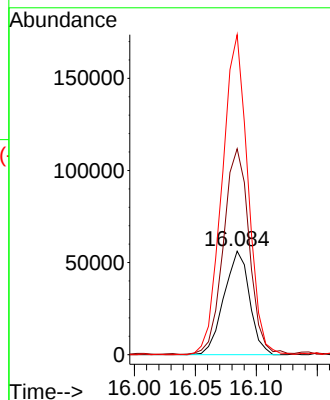
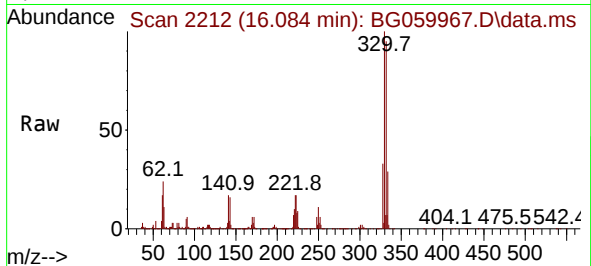




#67
4-Bromophenyl-phenylether
Concen: 3.415 ng
RT: 16.084 min Scan# 21
Delta R.T. -0.453 min
Lab File: BG059967.D
Acq: 6 Dec 2023 13:16

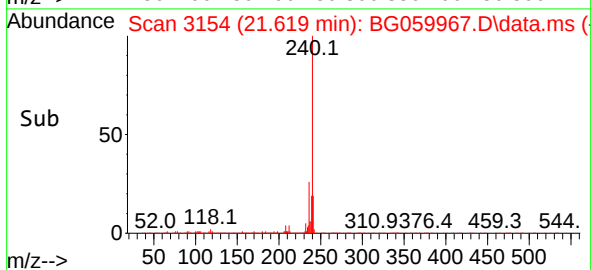
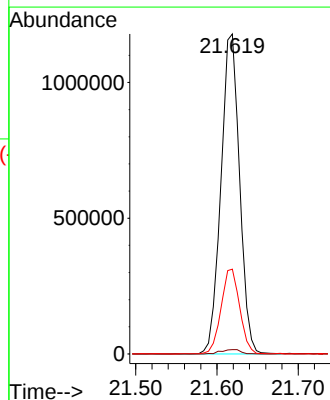
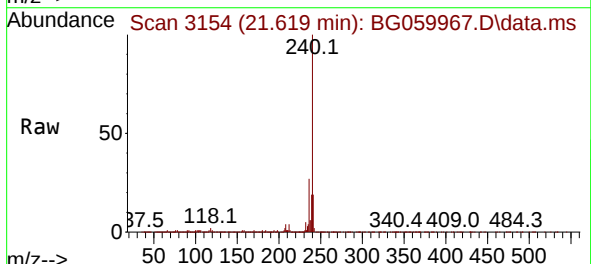
Instrument :
BNA_G
ClientSampleId :
SPRING-VALLEY-TP-1

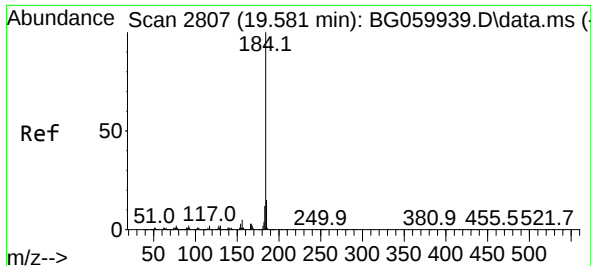
Tgt Ion:248 Resp: 81986
Ion Ratio Lower Upper
248 100
250 198.8 79.0 118.4#
141 308.9 22.3 33.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.619 min Scan# 3154
Delta R.T. -0.001 min
Lab File: BG059967.D
Acq: 6 Dec 2023 13:16

Tgt Ion:240 Resp: 1882407
Ion Ratio Lower Upper
240 100
120 1.4 1.0 1.4
236 26.5 20.8 31.2

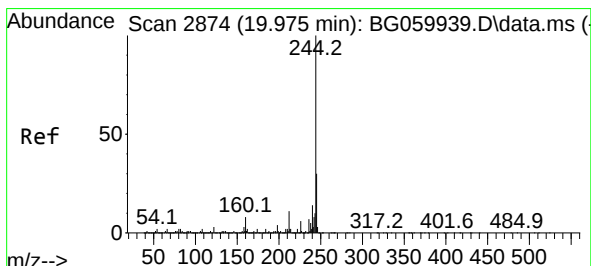
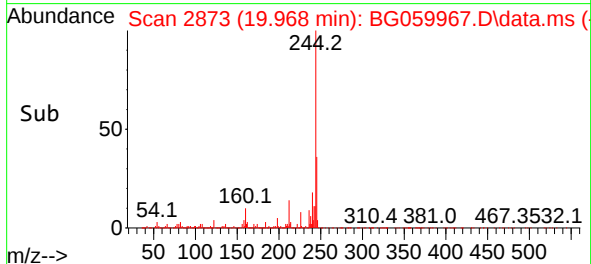
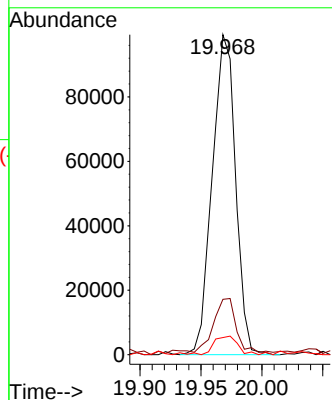
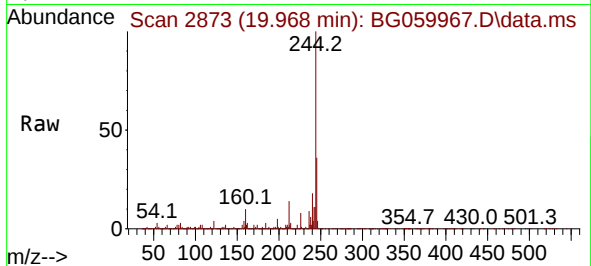




#77
Benzidine
Concen: 8.328 ng
RT: 19.968 min Scan# 2873
Delta R.T. 0.387 min
Lab File: BG059967.D
Acq: 6 Dec 2023 13:16

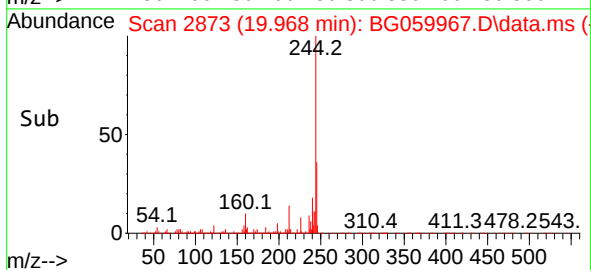
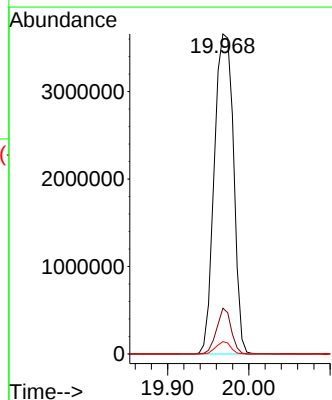
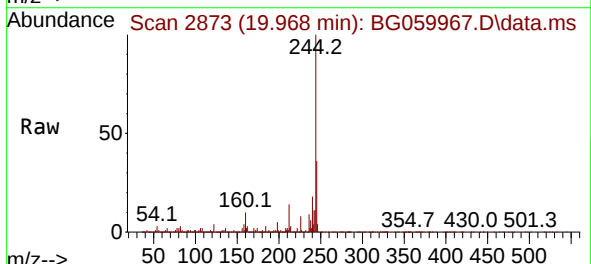
Instrument :
BNA_G
ClientSampleId :
SPRING-VALLEY-TP-1

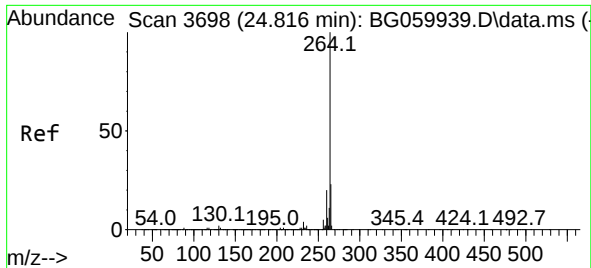
Tgt Ion:184 Resp: 132133
Ion Ratio Lower Upper
184 100
185 17.3 12.0 18.0
183 5.3 9.7 14.5#



#79
Terphenyl-d14
Concen: 54.959 ng
RT: 19.968 min Scan# 2873
Delta R.T. -0.007 min
Lab File: BG059967.D
Acq: 6 Dec 2023 13:16

Tgt Ion:244 Resp: 6001217
Ion Ratio Lower Upper
244 100
212 14.3 8.6 13.0#
122 3.9 2.1 3.1#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.815 min Scan# 30
 Delta R.T. -0.001 min
 Lab File: BG059967.D
 Acq: 6 Dec 2023 13:16

Instrument :
 BNA_G
 ClientSampleId :
 SPRING-VALLEY-TP-1

Tgt Ion:264 Resp: 2257978

Ion	Ratio	Lower	Upper
264	100		
260	23.3	15.8	23.6
265	21.3	18.1	27.1

