

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120523\
 Data File : BG059949.D
 Acq On : 5 Dec 2023 14:45
 Operator : MA/JU
 Sample : 05590-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SH-SOIL-B

Quant Time: Dec 05 18:23:17 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)

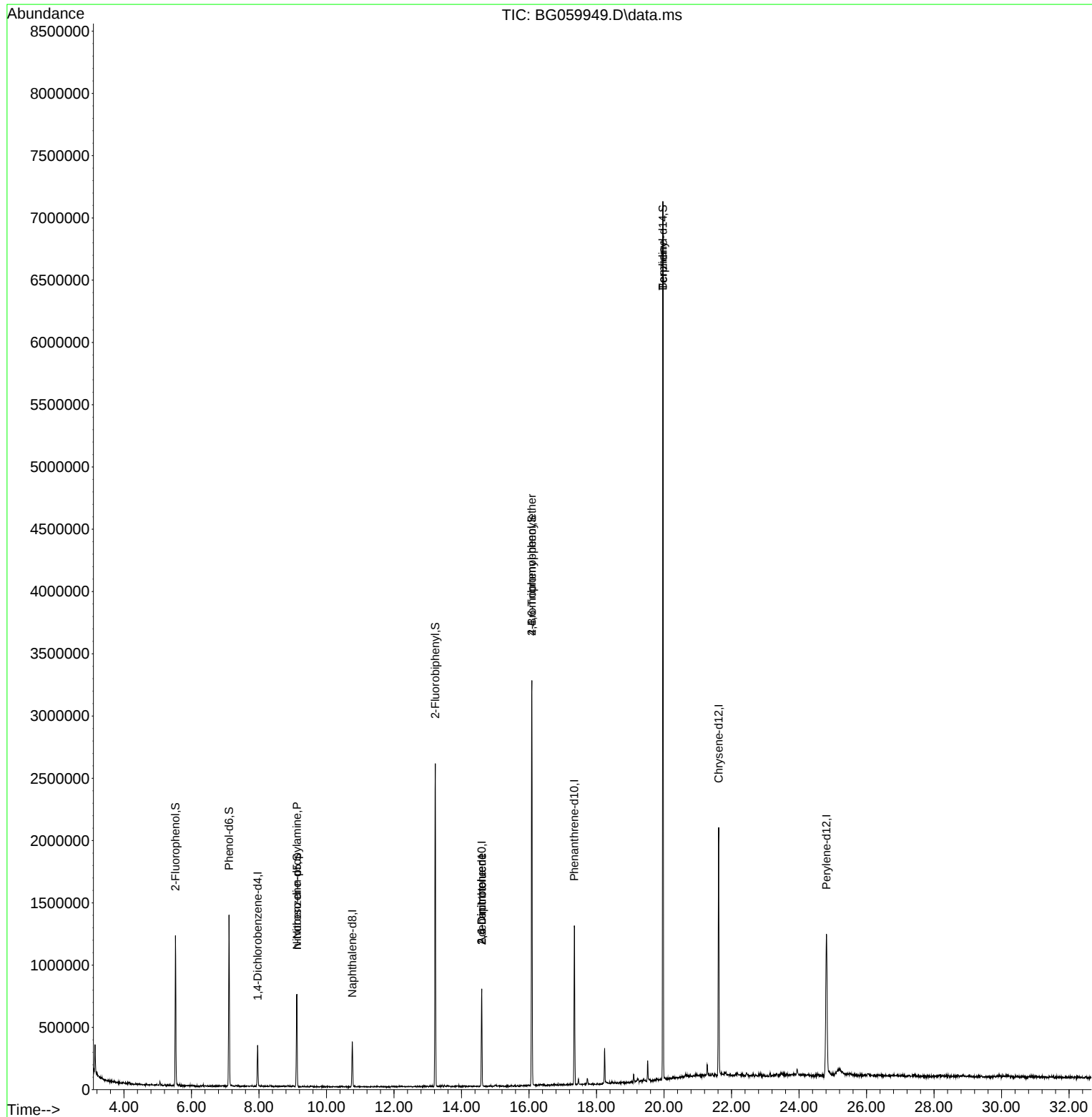
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.959	152	83321	20.000	ng	# 0.00
21) Naphthalene-d8	10.767	136	264529	20.000	ng	# 0.00
39) Acenaphthene-d10	14.598	164	271614	20.000	ng	0.00
64) Phenanthrene-d10	17.342	188	915079	20.000	ng	0.00
76) Chrysene-d12	21.619	240	1369182	20.000	ng	# 0.00
86) Perylene-d12	24.809	264	1623974	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	444035	107.076	ng	0.00
7) Phenol-d6	7.112	99	636947	97.451	ng	0.00
23) Nitrobenzene-d5	9.122	82	442705	59.825	ng	0.00
42) 2,4,6-Tribromophenol	16.084	330	830360	95.019	ng	0.00
45) 2-Fluorobiphenyl	13.223	172	1374966	55.213	ng	0.00
79) Terphenyl-d14	19.968	244	3795709	47.791	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.122	70	69051	14.097	ng	# 76
51) 2,6-Dinitrotoluene	14.598	165	38503	7.601	ng	# 18
57) 2,4-Dinitrotoluene	14.598	165	38503	5.465	ng	# 23
67) 4-Bromophenyl-phenylether	16.084	248	48916	3.120	ng	# 1
77) Benzidine	19.968	184	63247	5.481	ng	# 90

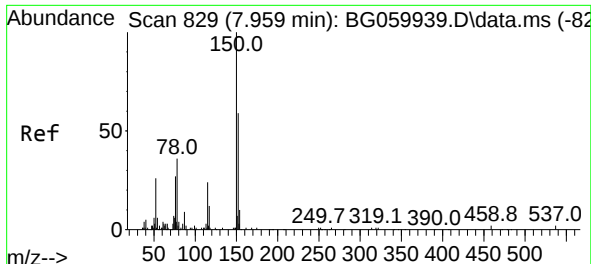
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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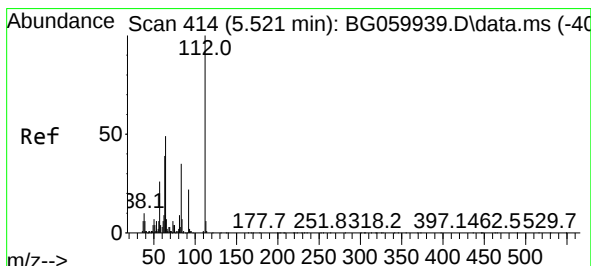
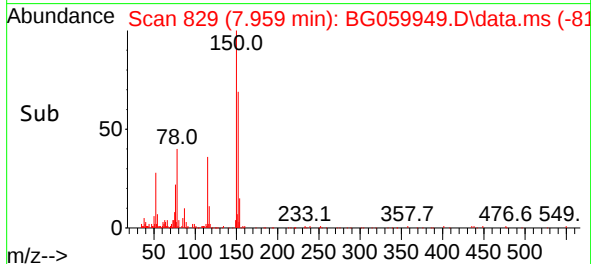
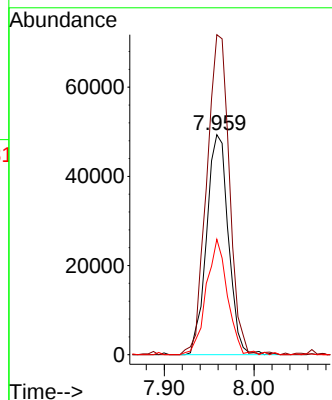
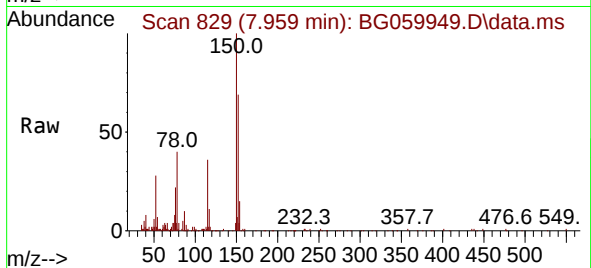




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.959 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BG059949.D
 Acq: 5 Dec 2023 14:45

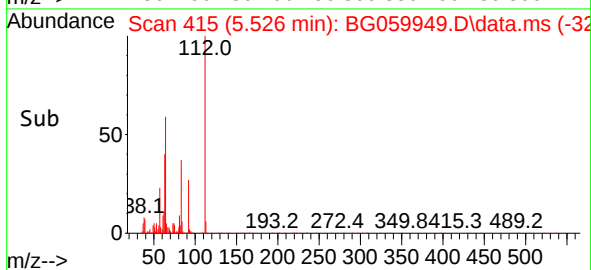
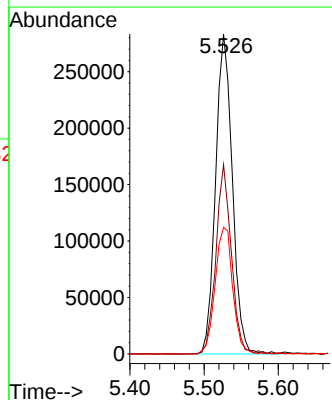
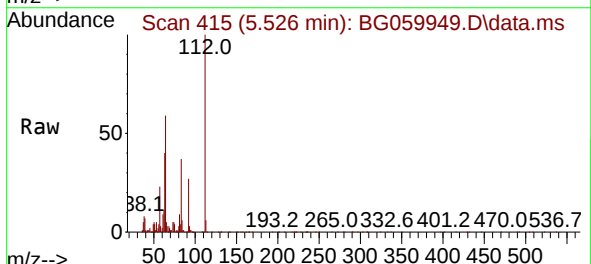
Instrument :
 BNA_G
 ClientSampleId :
 SH-SOIL-B

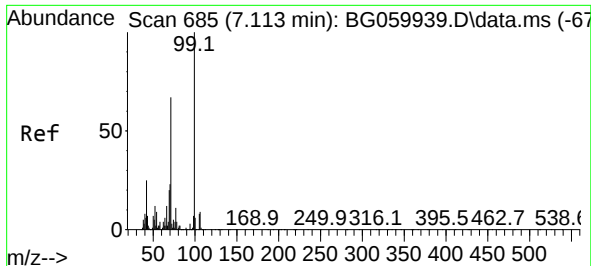
Tgt Ion:152 Resp: 83321
 Ion Ratio Lower Upper
 152 100
 150 145.5 136.9 205.3
 115 52.4 32.9 49.3#



#5
 2-Fluorophenol
 Concen: 107.076 ng
 RT: 5.526 min Scan# 415
 Delta R.T. 0.005 min
 Lab File: BG059949.D
 Acq: 5 Dec 2023 14:45

Tgt Ion:112 Resp: 444035
 Ion Ratio Lower Upper
 112 100
 64 59.1 39.4 59.0#
 63 39.6 31.2 46.8

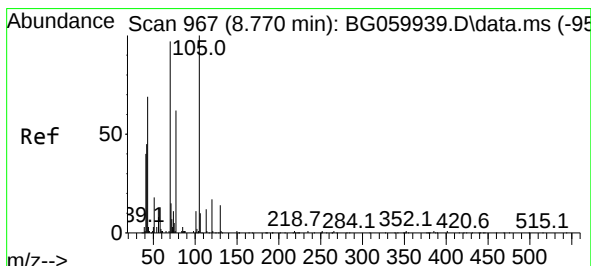
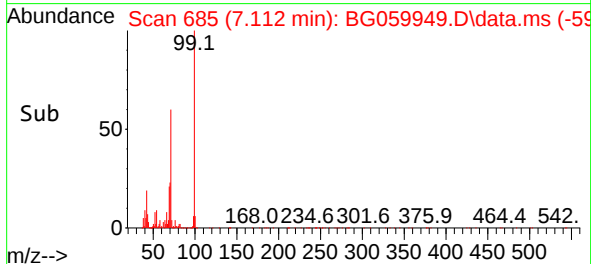
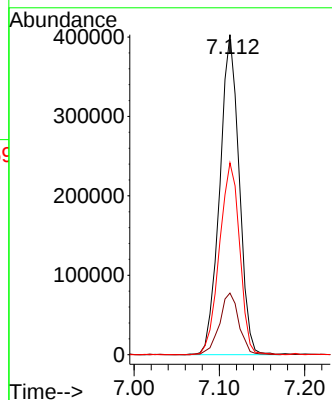
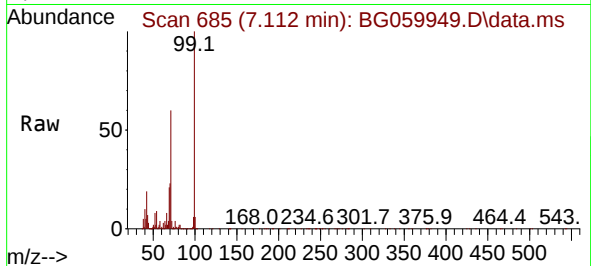




#7
Phenol-d6
Concen: 97.451 ng
RT: 7.112 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG059949.D
Acq: 5 Dec 2023 14:45

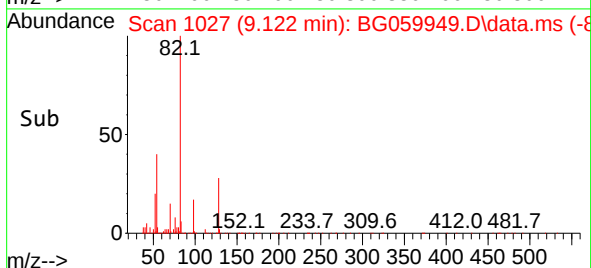
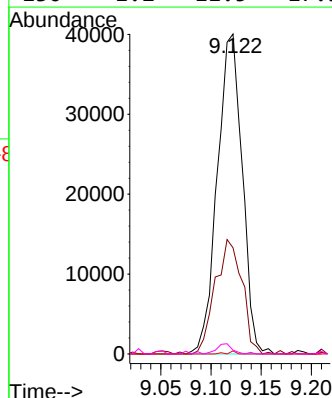
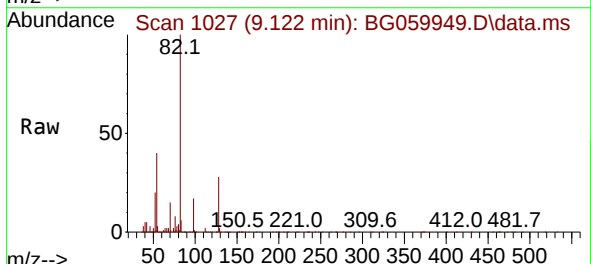
Instrument :
BNA_G
ClientSampleId :
SH-SOIL-B

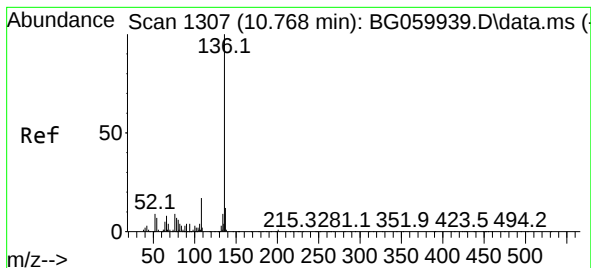
Tgt Ion: 99 Resp: 636947
Ion Ratio Lower Upper
99 100
42 19.3 20.1 30.1#
71 60.0 53.8 80.6



#19
n-Nitroso-di-n-propylamine
Concen: 14.097 ng
RT: 9.122 min Scan# 1027
Delta R.T. 0.352 min
Lab File: BG059949.D
Acq: 5 Dec 2023 14:45

Tgt Ion: 70 Resp: 69051
Ion Ratio Lower Upper
70 100
42 33.2 38.1 57.1#
101 1.0 8.6 13.0#
130 1.2 11.5 17.3#

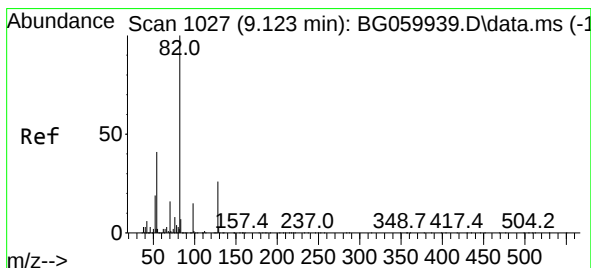
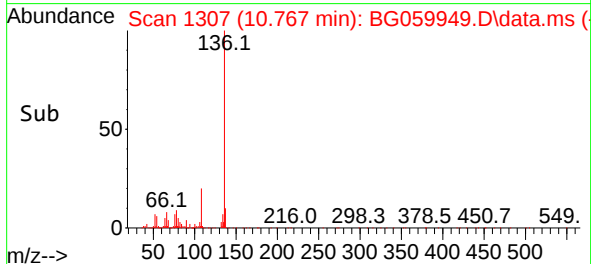
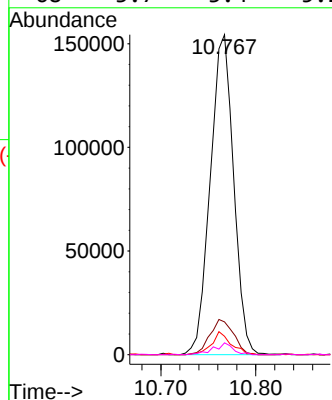
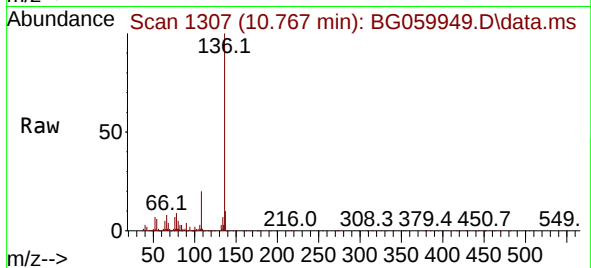




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.767 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG059949.D
Acq: 5 Dec 2023 14:45

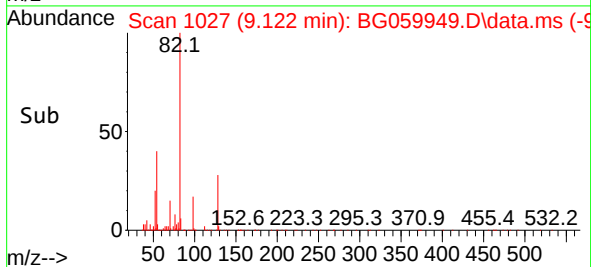
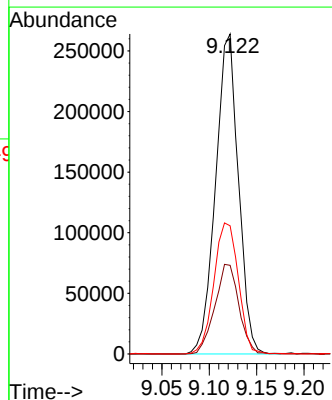
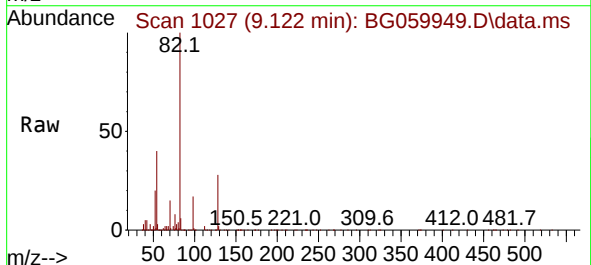
Instrument :
BNA_G
ClientSampleId :
SH-SOIL-B

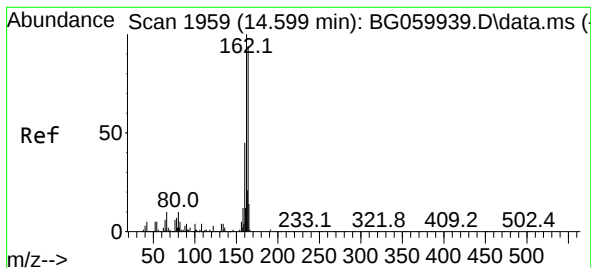
Tgt Ion:136 Resp: 264529
Ion Ratio Lower Upper
136 100
137 10.2 9.8 14.6
54 5.7 5.8 8.6#
68 3.7 3.4 5.2



#23
Nitrobenzene-d5
Concen: 59.825 ng
RT: 9.122 min Scan# 1027
Delta R.T. -0.001 min
Lab File: BG059949.D
Acq: 5 Dec 2023 14:45

Tgt Ion: 82 Resp: 442705
Ion Ratio Lower Upper
82 100
128 27.7 21.0 31.6
54 40.0 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: BG059949.D

Acq: 5 Dec 2023 14:45

Instrument :

BNA_G

ClientSampleId :

SH-SOIL-B

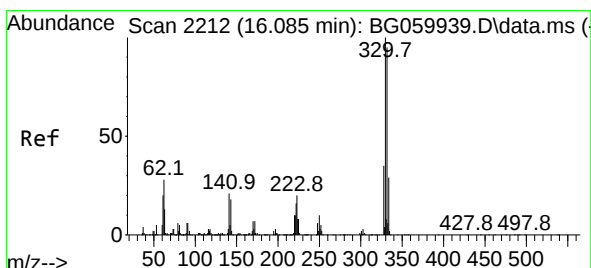
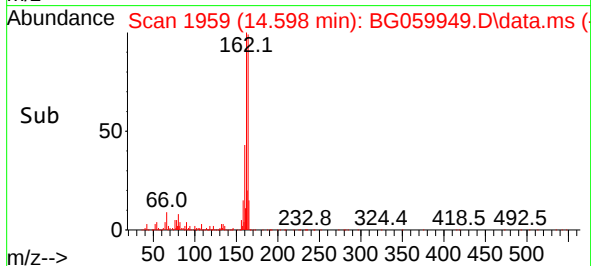
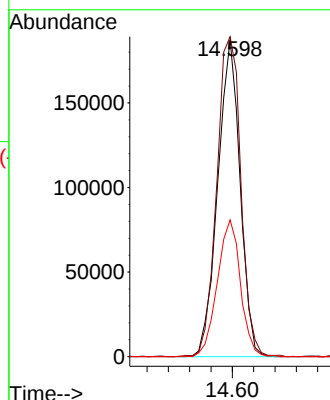
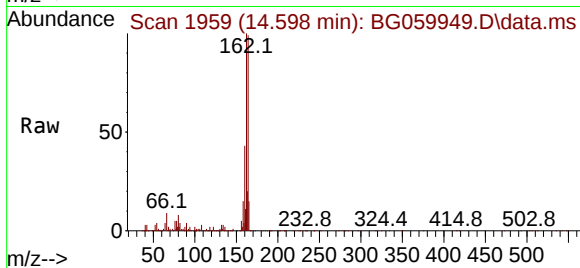
Tgt Ion:164 Resp: 271614

Ion Ratio Lower Upper

164 100

162 100.9 85.0 127.6

160 43.1 38.1 57.1



#42

2,4,6-Tribromophenol

Concen: 95.019 ng

RT: 16.084 min Scan# 2212

Delta R.T. -0.001 min

Lab File: BG059949.D

Acq: 5 Dec 2023 14:45

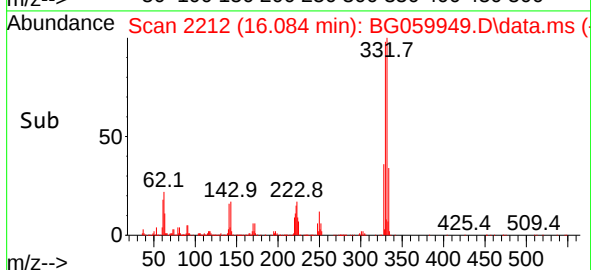
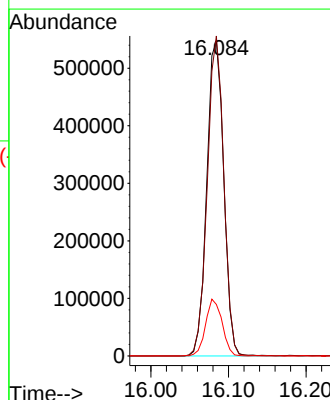
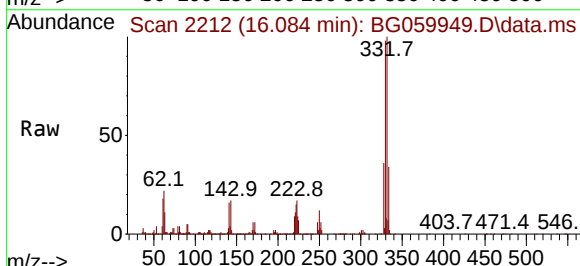
Tgt Ion:330 Resp: 830360

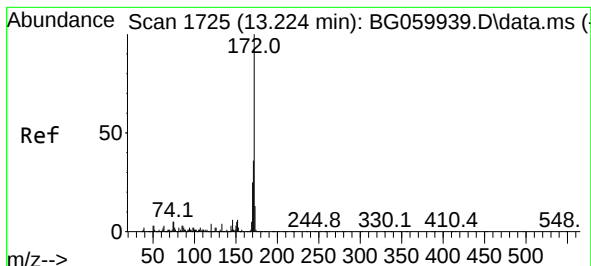
Ion Ratio Lower Upper

330 100

332 98.8 76.5 114.7

141 17.6 15.0 22.6

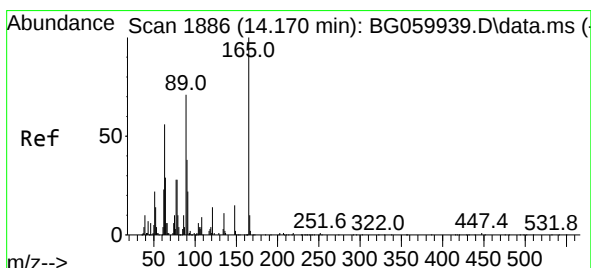
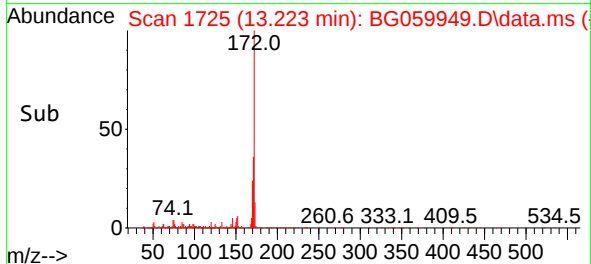
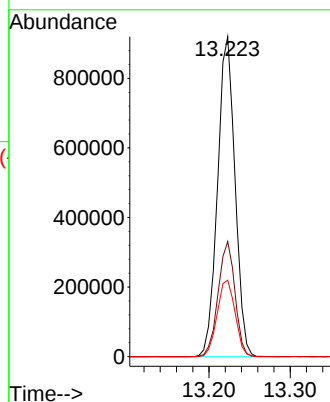
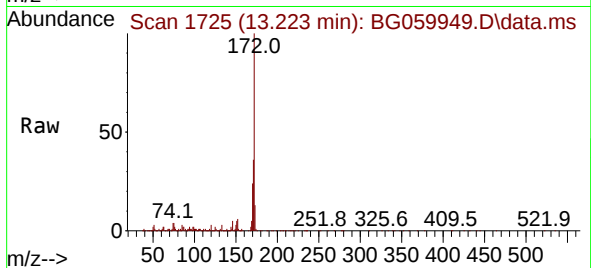




#45
2-Fluorobiphenyl
Concen: 55.213 ng
RT: 13.223 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG059949.D
Acq: 5 Dec 2023 14:45

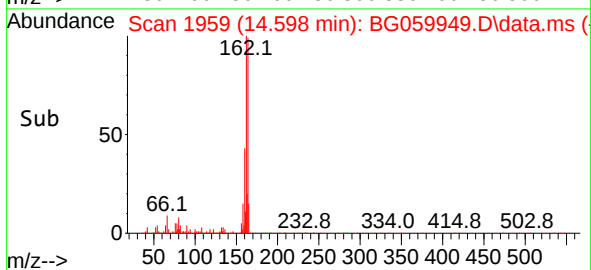
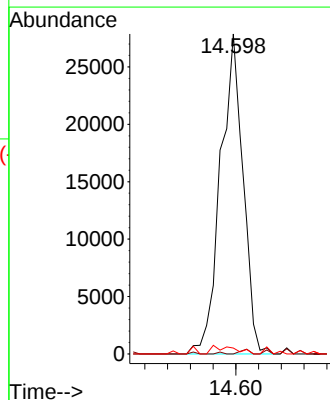
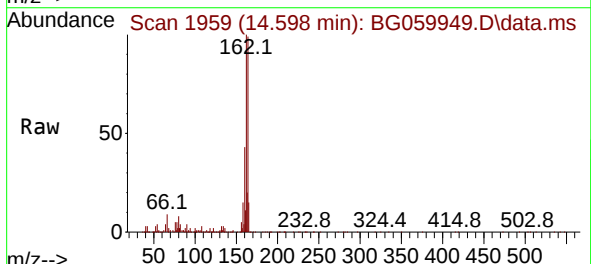
Instrument :
BNA_G
ClientSampleId :
SH-SOIL-B

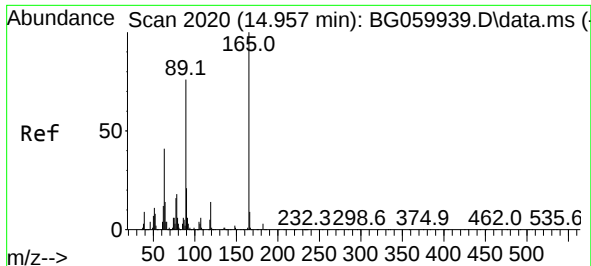
Tgt Ion:172 Resp: 1374966
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 23.9 19.8 29.8



#51
2,6-Dinitrotoluene
Concen: 7.601 ng
RT: 14.598 min Scan# 1959
Delta R.T. 0.428 min
Lab File: BG059949.D
Acq: 5 Dec 2023 14:45

Tgt Ion:165 Resp: 38503
Ion Ratio Lower Upper
165 100
63 0.0 47.2 70.8#
89 1.9 57.1 85.7#





#57

2,4-Dinitrotoluene

Concen: 5.465 ng

RT: 14.598 min Scan# 1959

Delta R.T. -0.359 min

Lab File: BG059949.D

Acq: 5 Dec 2023 14:45

Instrument :

BNA_G

ClientSampleId :

SH-SOIL-B

Tgt Ion:165 Resp: 38503

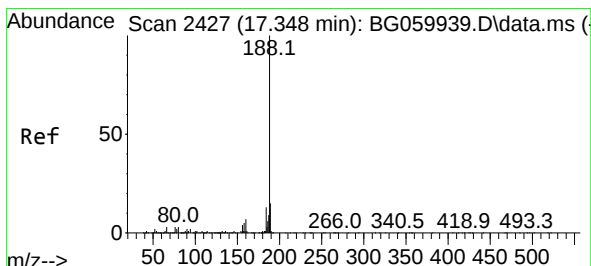
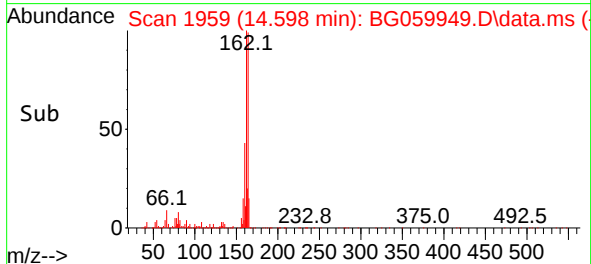
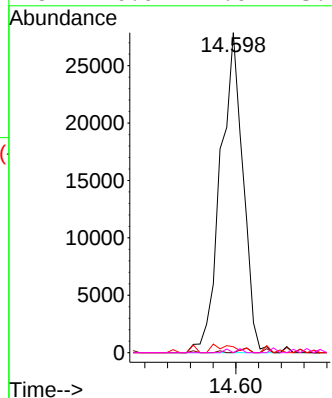
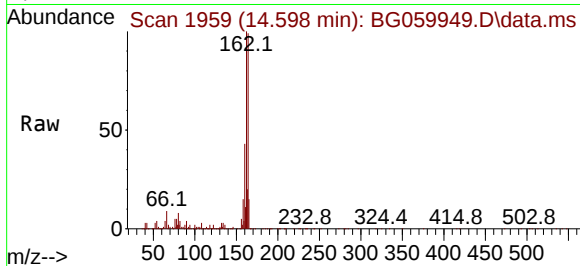
Ion Ratio Lower Upper

165 100

63 0.0 32.8 49.2#

89 1.9 60.6 90.8#

182 0.0 2.6 3.8#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.342 min Scan# 2426

Delta R.T. -0.007 min

Lab File: BG059949.D

Acq: 5 Dec 2023 14:45

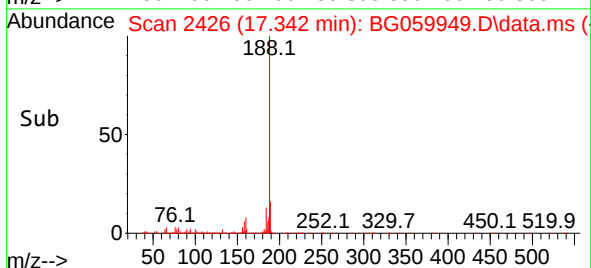
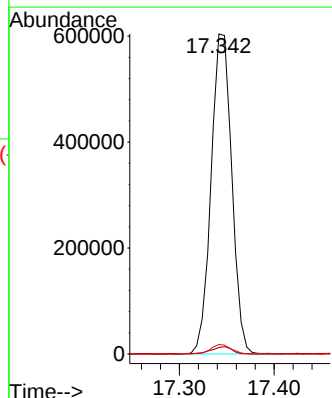
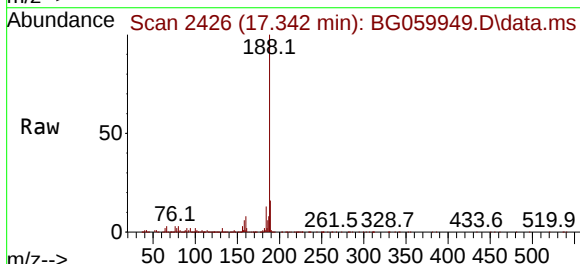
Tgt Ion:188 Resp: 915079

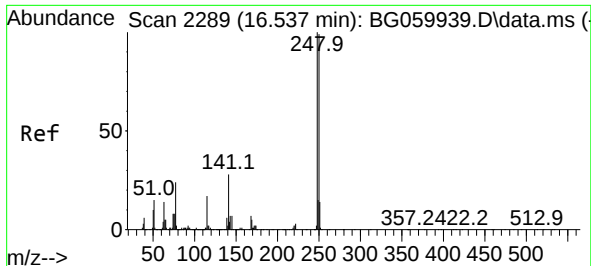
Ion Ratio Lower Upper

188 100

94 2.1 1.8 2.6

80 3.0 2.2 3.4

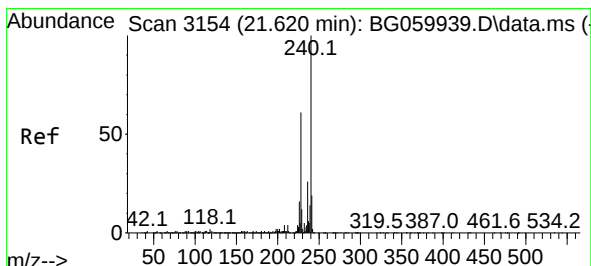
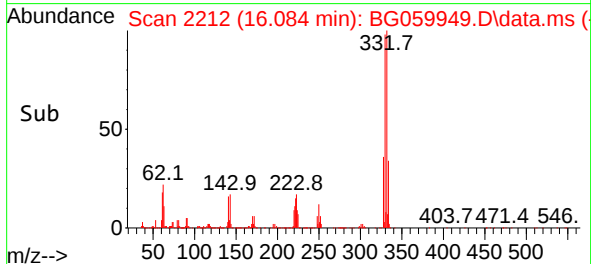
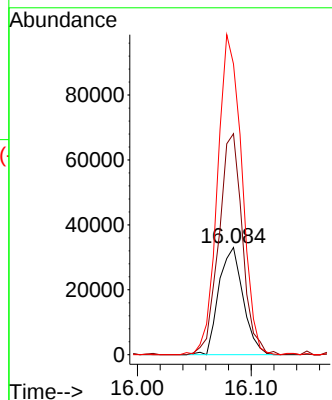
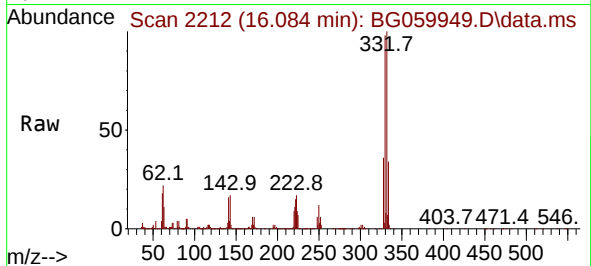




#67
4-Bromophenyl-phenylether
Concen: 3.120 ng
RT: 16.084 min Scan# 21
Delta R.T. -0.453 min
Lab File: BG059949.D
Acq: 5 Dec 2023 14:45

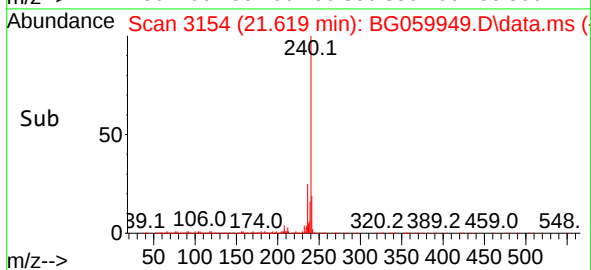
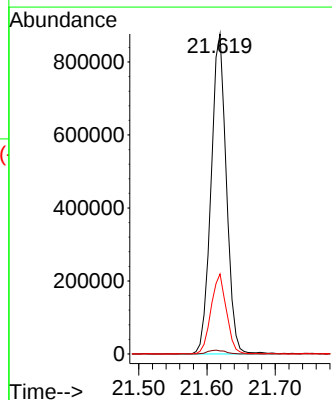
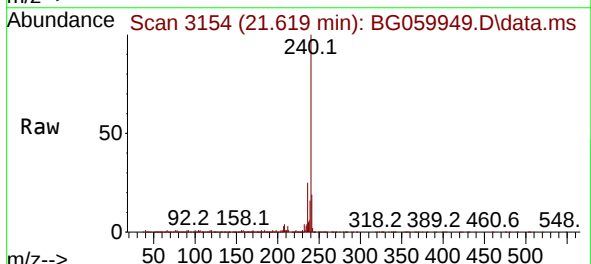
Instrument :
BNA_G
ClientSampleId :
SH-SOIL-B

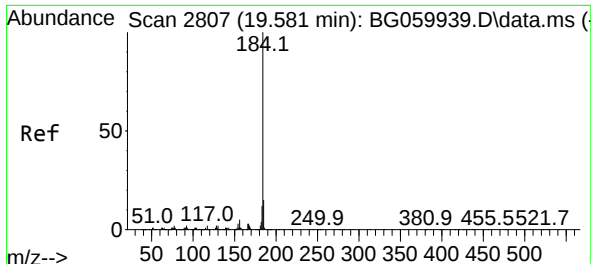
Tgt Ion:248 Resp: 48916
Ion Ratio Lower Upper
248 100
250 162.6 79.0 118.4#
141 214.0 22.3 33.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.619 min Scan# 3154
Delta R.T. -0.001 min
Lab File: BG059949.D
Acq: 5 Dec 2023 14:45

Tgt Ion:240 Resp: 1369182
Ion Ratio Lower Upper
240 100
120 0.9 1.0 1.4#
236 25.0 20.8 31.2

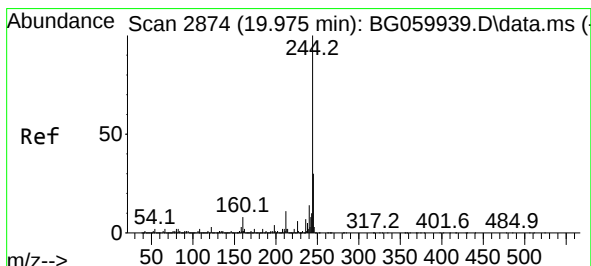
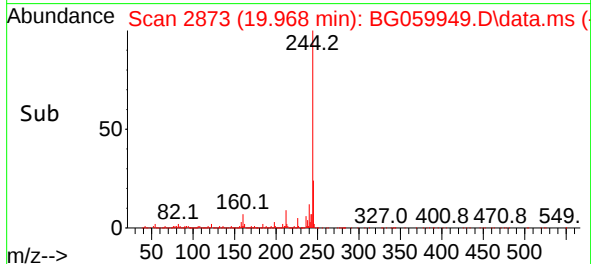
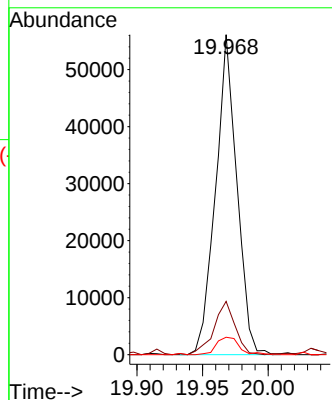
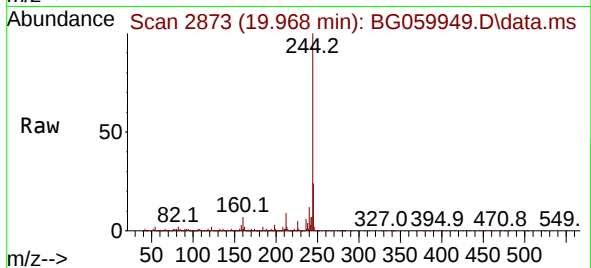




#77
Benzidine
Concen: 5.481 ng
RT: 19.968 min Scan# 2873
Delta R.T. 0.387 min
Lab File: BG059949.D
Acq: 5 Dec 2023 14:45

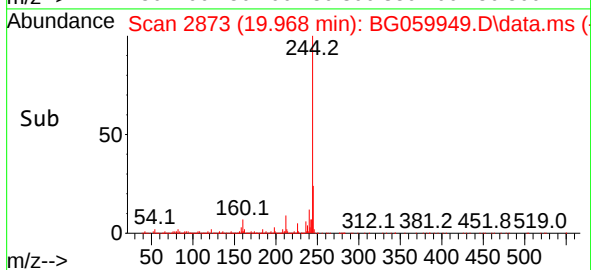
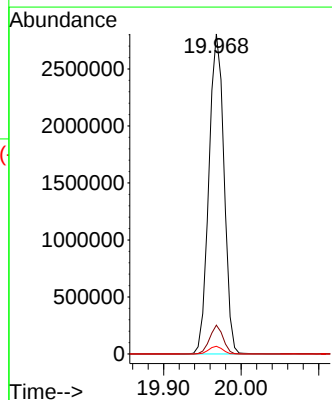
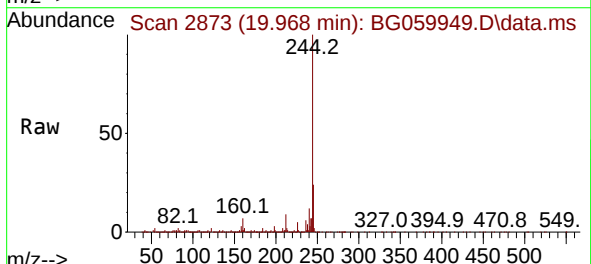
Instrument :
BNA_G
ClientSampleId :
SH-SOIL-B

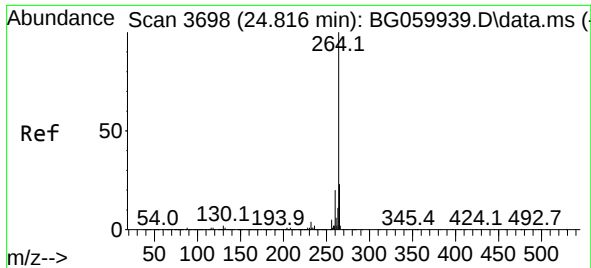
Tgt Ion:184 Resp: 63247
Ion Ratio Lower Upper
184 100
185 16.6 12.0 18.0
183 5.5 9.7 14.5#



#79
Terphenyl-d14
Concen: 47.791 ng
RT: 19.968 min Scan# 2873
Delta R.T. -0.007 min
Lab File: BG059949.D
Acq: 5 Dec 2023 14:45

Tgt Ion:244 Resp: 3795709
Ion Ratio Lower Upper
244 100
212 9.0 8.6 13.0
122 2.4 2.1 3.1





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.809 min Scan# 30
 Delta R.T. -0.007 min
 Lab File: BG059949.D
 Acq: 5 Dec 2023 14:45

Instrument :
 BNA_G
 ClientSampleId :
 SH-SOIL-B

Tgt Ion:264 Resp: 1623974
 Ion Ratio Lower Upper
 264 100
 260 23.7 15.8 23.6#
 265 21.6 18.1 27.1

