

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120523\
 Data File : BG059951.D
 Acq On : 5 Dec 2023 16:06
 Operator : MA/JU
 Sample : 05590-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SH-SOIL-A

Quant Time: Dec 05 16:42:23 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)

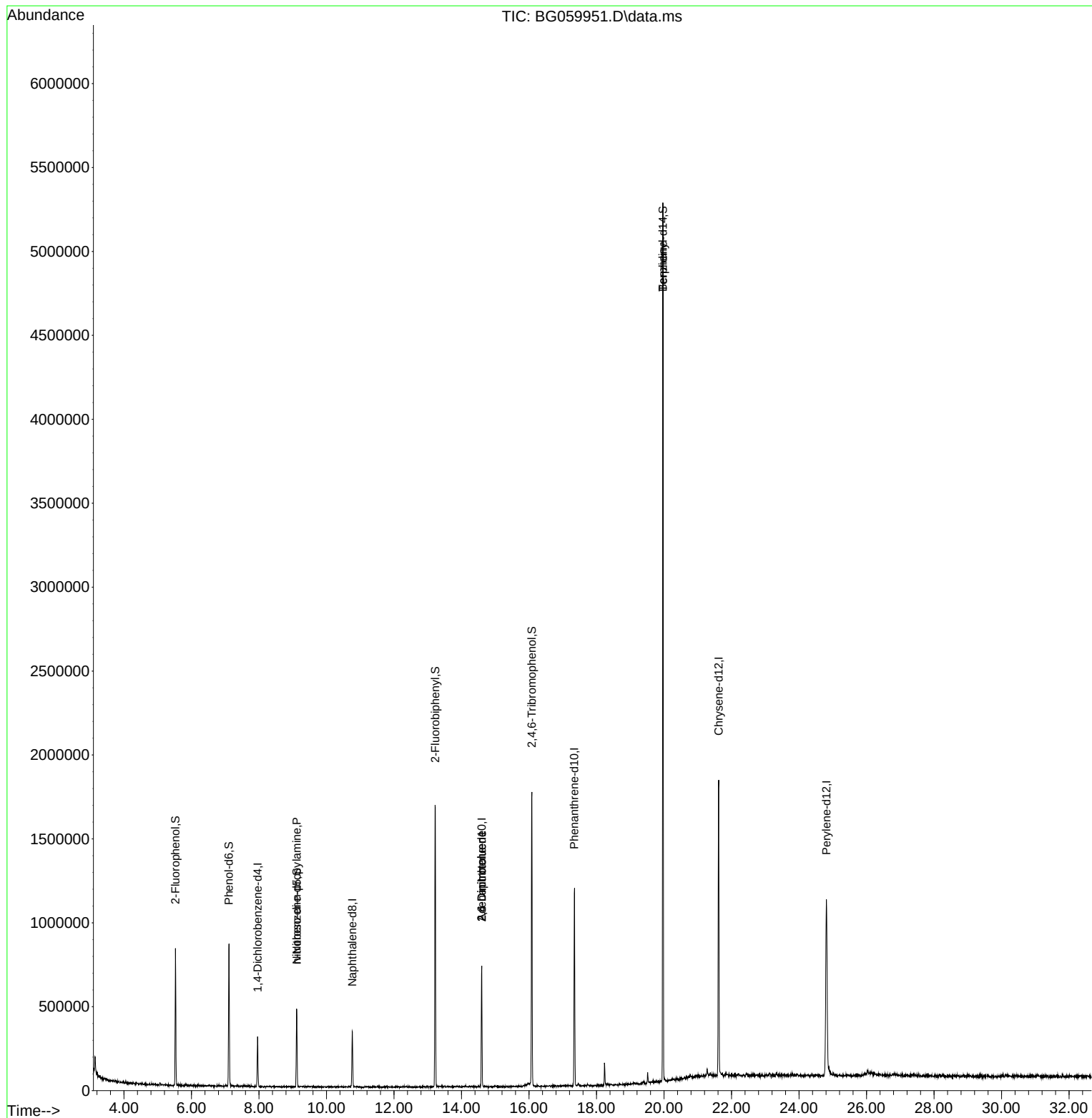
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.959	152	70753	20.000	ng	0.00
21) Naphthalene-d8	10.762	136	247042	20.000	ng	# 0.00
39) Acenaphthene-d10	14.598	164	242936	20.000	ng	0.00
64) Phenanthrene-d10	17.342	188	845252	20.000	ng	# 0.00
76) Chrysene-d12	21.619	240	1250730	20.000	ng	# 0.00
86) Perylene-d12	24.810	264	1499636	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.527	112	270109	76.705	ng	0.00
7) Phenol-d6	7.107	99	396602	71.458	ng	0.00
23) Nitrobenzene-d5	9.116	82	270809	39.186	ng	0.00
42) 2,4,6-Tribromophenol	16.085	330	463204	59.262	ng	0.00
45) 2-Fluorobiphenyl	13.223	172	924310	41.498	ng	0.00
79) Terphenyl-d14	19.968	244	2886246	39.781	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.116	70	42368	10.186	ng	# 85
51) 2,6-Dinitrotoluene	14.598	165	34954	7.715	ng	# 19
57) 2,4-Dinitrotoluene	14.598	165	34954	5.547	ng	# 23
77) Benzidine	19.968	184	45415	4.308	ng	# 90

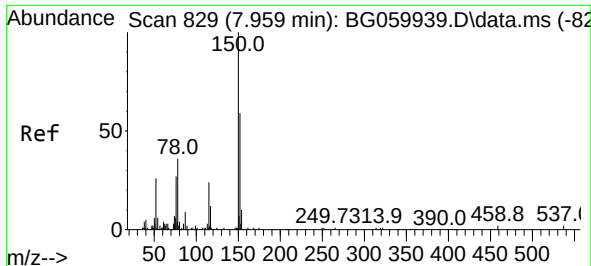
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120523\
Data File : BG059951.D
Acq On : 5 Dec 2023 16:06
Operator : MA/JU
Sample : 05590-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SH-SOIL-A

Quant Time: Dec 05 16:42:23 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

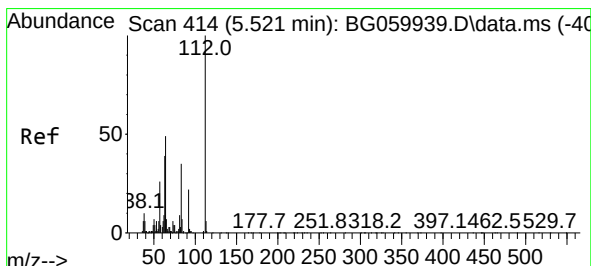
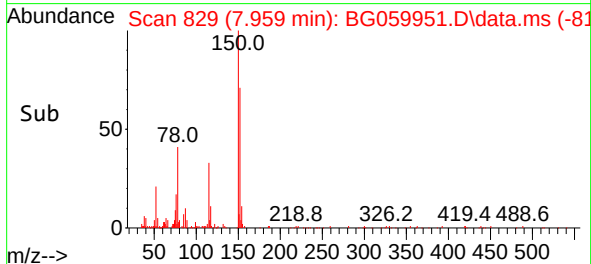
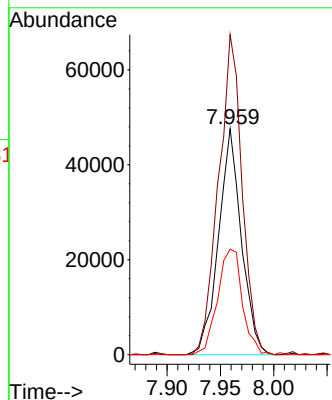
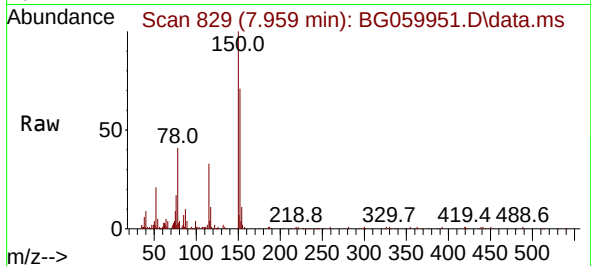




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.959 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG059951.D
Acq: 5 Dec 2023 16:06

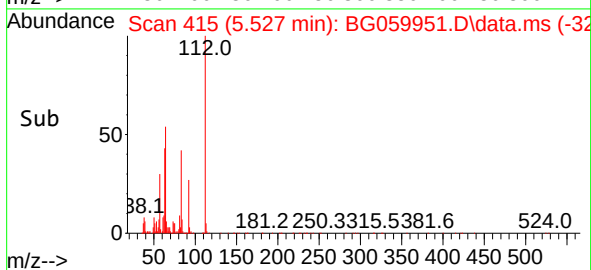
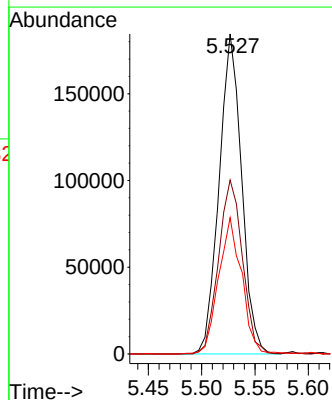
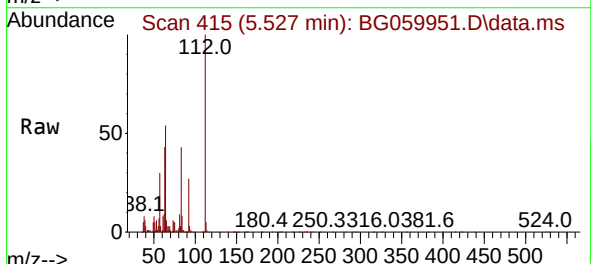
Instrument :
BNA_G
ClientSampleId :
SH-SOIL-A

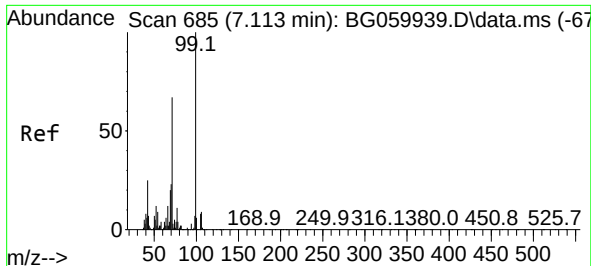
Tgt Ion:152 Resp: 70753
Ion Ratio Lower Upper
152 100
150 141.7 136.9 205.3
115 46.7 32.9 49.3



#5
2-Fluorophenol
Concen: 76.705 ng
RT: 5.527 min Scan# 415
Delta R.T. 0.006 min
Lab File: BG059951.D
Acq: 5 Dec 2023 16:06

Tgt Ion:112 Resp: 270109
Ion Ratio Lower Upper
112 100
64 54.4 39.4 59.0
63 42.6 31.2 46.8

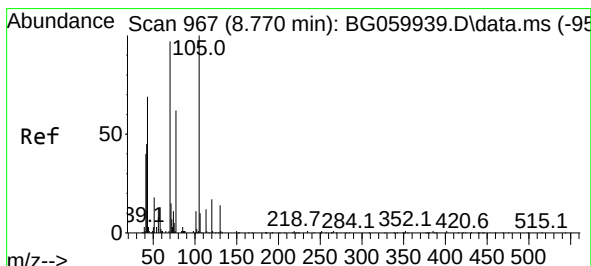
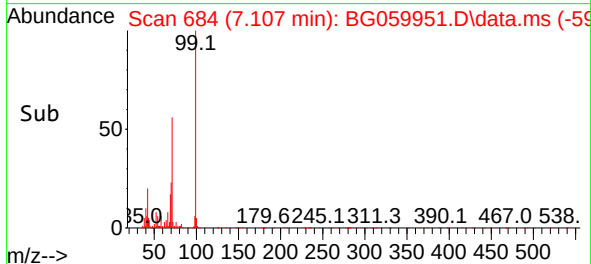
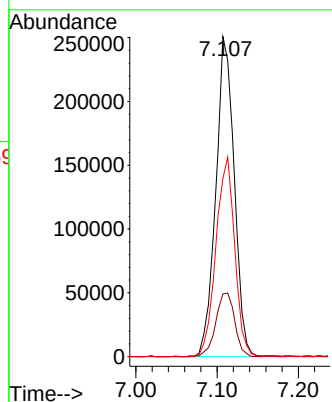
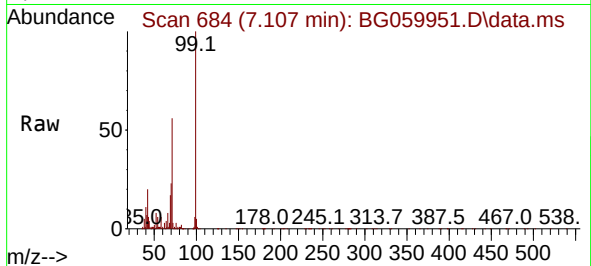




#7
Phenol-d6
Concen: 71.458 ng
RT: 7.107 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG059951.D
Acq: 5 Dec 2023 16:06

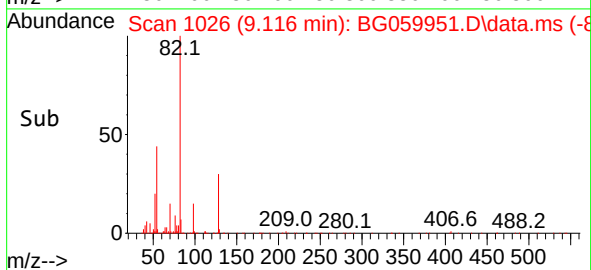
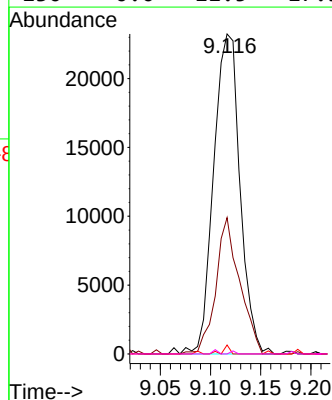
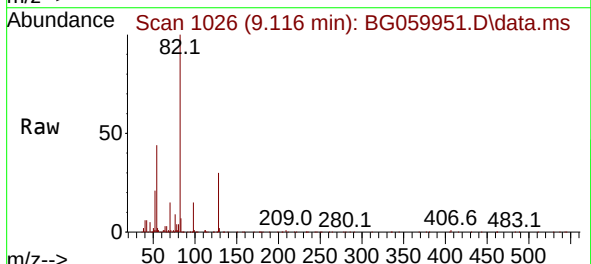
Instrument :
BNA_G
ClientSampleId :
SH-SOIL-A

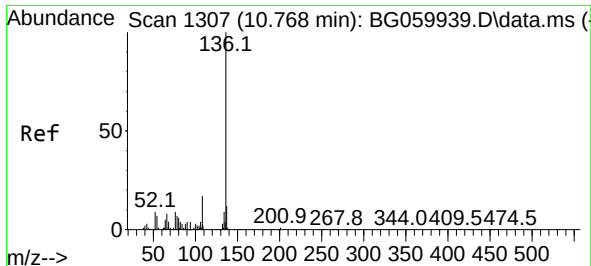
Tgt Ion: 99 Resp: 396602
Ion Ratio Lower Upper
99 100
42 19.6 20.1 30.1#
71 55.7 53.8 80.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.186 ng
RT: 9.116 min Scan# 1026
Delta R.T. 0.346 min
Lab File: BG059951.D
Acq: 5 Dec 2023 16:06

Tgt Ion: 70 Resp: 42368
Ion Ratio Lower Upper
70 100
42 42.6 38.1 57.1
101 2.8 8.6 13.0#
130 0.0 11.5 17.3#

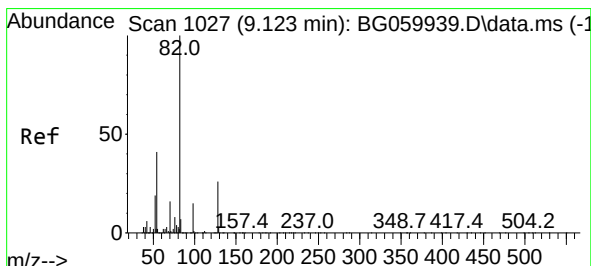
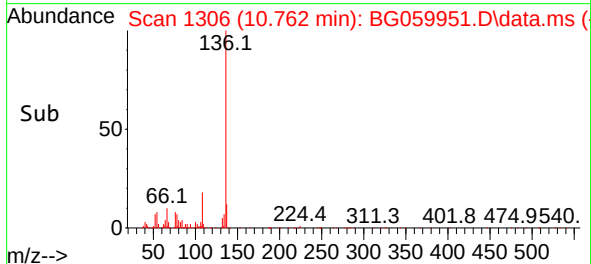
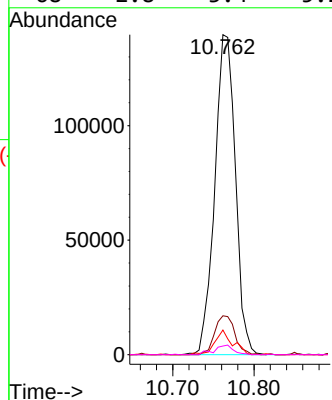
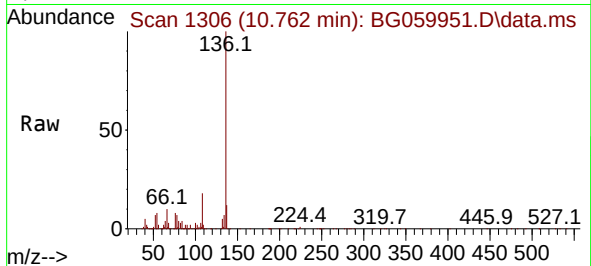




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.762 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG059951.D
Acq: 5 Dec 2023 16:06

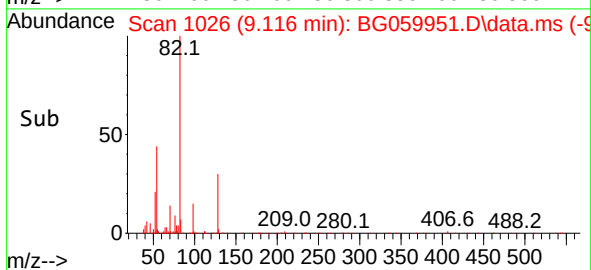
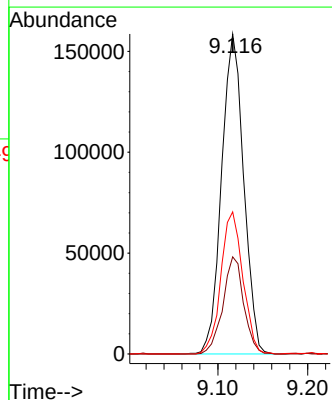
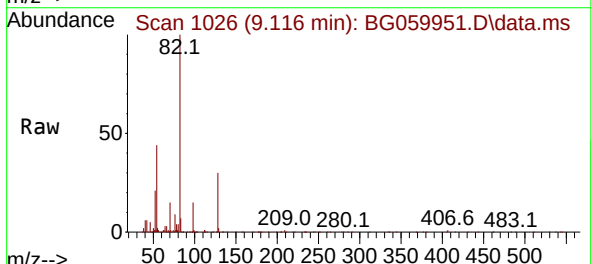
Instrument :
BNA_G
ClientSampleId :
SH-SOIL-A

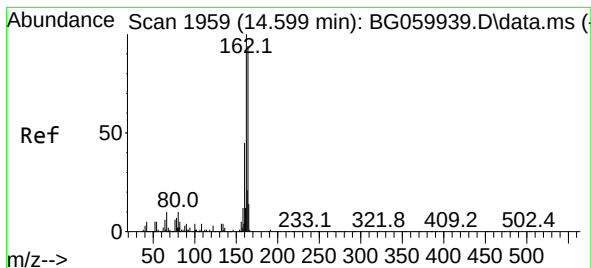
Tgt Ion:136 Resp: 247042
Ion Ratio Lower Upper
136 100
137 12.1 9.8 14.6
54 7.7 5.8 8.6
68 2.8 3.4 5.2#



#23
Nitrobenzene-d5
Concen: 39.186 ng
RT: 9.116 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BG059951.D
Acq: 5 Dec 2023 16:06

Tgt Ion: 82 Resp: 270809
Ion Ratio Lower Upper
82 100
128 30.4 21.0 31.6
54 44.4 32.6 48.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.598 min Scan# 1959

Delta R.T. -0.000 min

Lab File: BG059951.D

Acq: 5 Dec 2023 16:06

Instrument :

BNA_G

ClientSampleId :

SH-SOIL-A

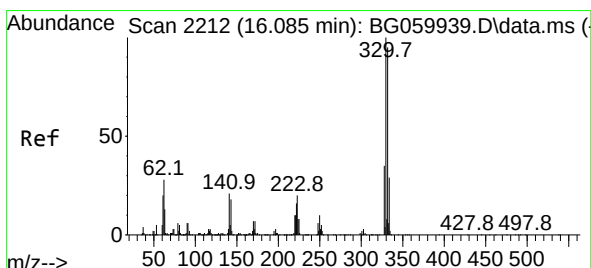
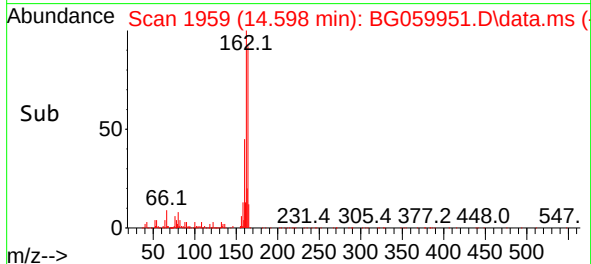
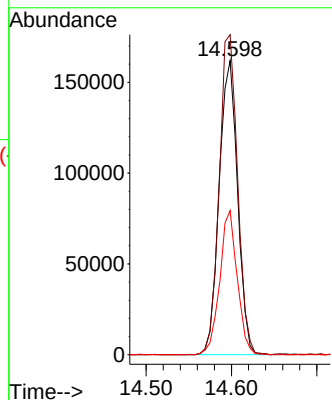
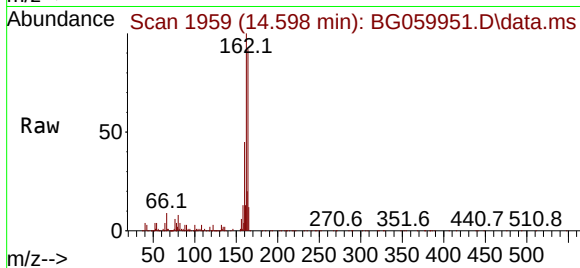
Tgt Ion:164 Resp: 242936

Ion Ratio Lower Upper

164 100

162 108.8 85.0 127.6

160 49.0 38.1 57.1



#42

2,4,6-Tribromophenol

Concen: 59.262 ng

RT: 16.085 min Scan# 2212

Delta R.T. -0.000 min

Lab File: BG059951.D

Acq: 5 Dec 2023 16:06

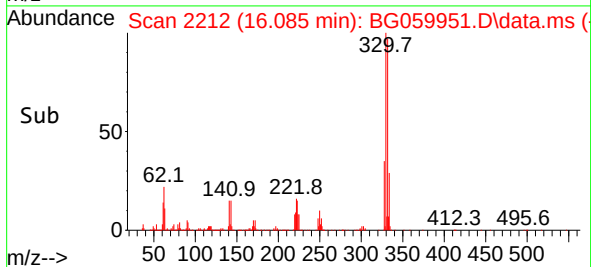
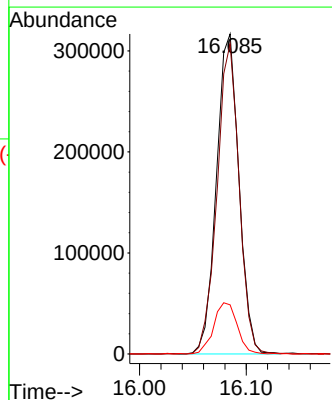
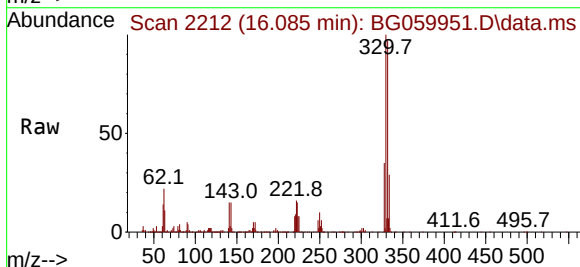
Tgt Ion:330 Resp: 463204

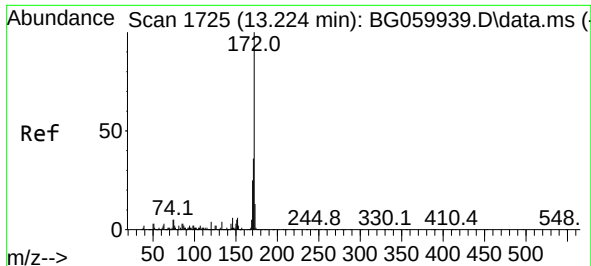
Ion Ratio Lower Upper

330 100

332 95.2 76.5 114.7

141 16.9 15.0 22.6

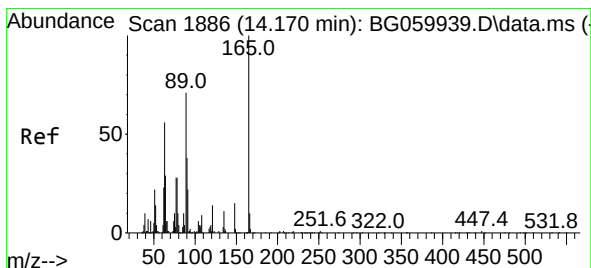
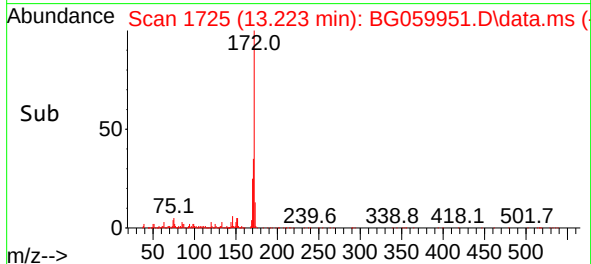
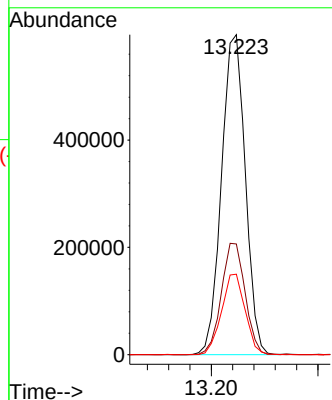
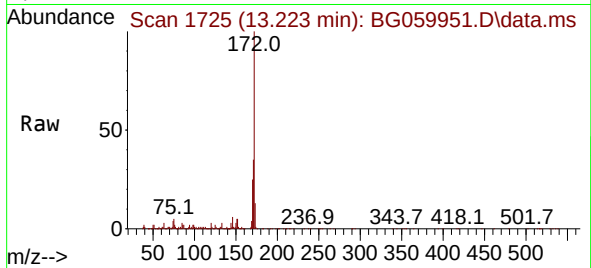




#45
2-Fluorobiphenyl
Concen: 41.498 ng
RT: 13.223 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG059951.D
Acq: 5 Dec 2023 16:06

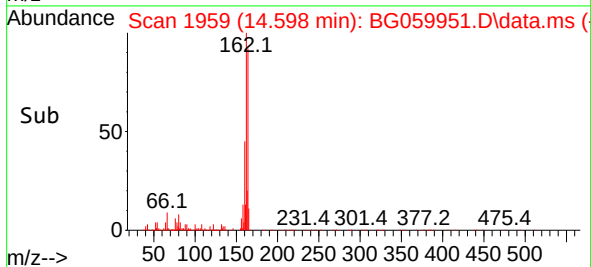
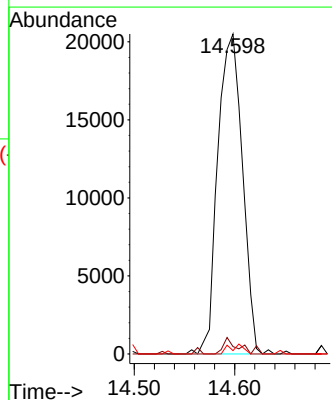
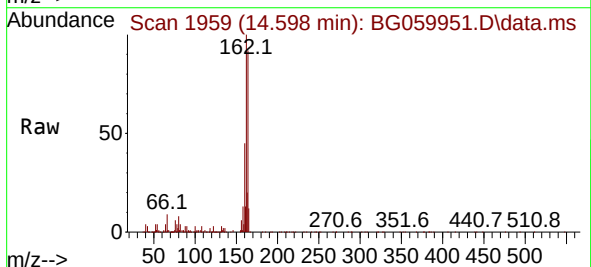
Instrument :
BNA_G
ClientSampleId :
SH-SOIL-A

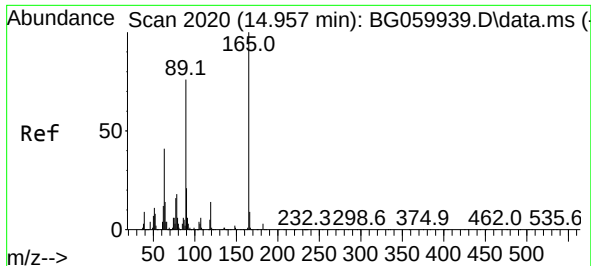
Tgt Ion:172 Resp: 924310
Ion Ratio Lower Upper
172 100
171 34.6 28.6 43.0
170 25.1 19.8 29.8



#51
2,6-Dinitrotoluene
Concen: 7.715 ng
RT: 14.598 min Scan# 1959
Delta R.T. 0.429 min
Lab File: BG059951.D
Acq: 5 Dec 2023 16:06

Tgt Ion:165 Resp: 34954
Ion Ratio Lower Upper
165 100
63 2.3 47.2 70.8#
89 1.0 57.1 85.7#

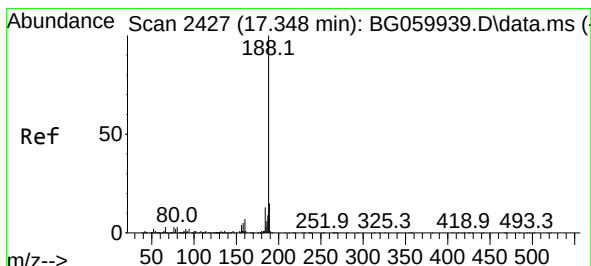
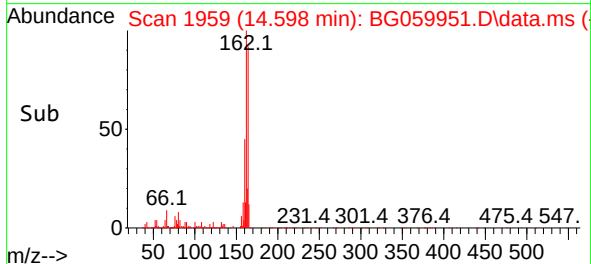
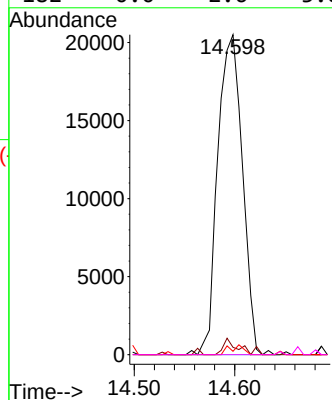
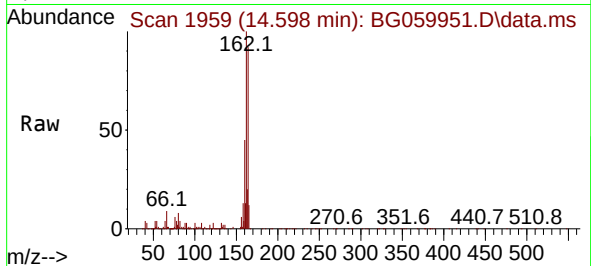




#57
2,4-Dinitrotoluene
Concen: 5.547 ng
RT: 14.598 min Scan# 1959
Delta R.T. -0.359 min
Lab File: BG059951.D
Acq: 5 Dec 2023 16:06

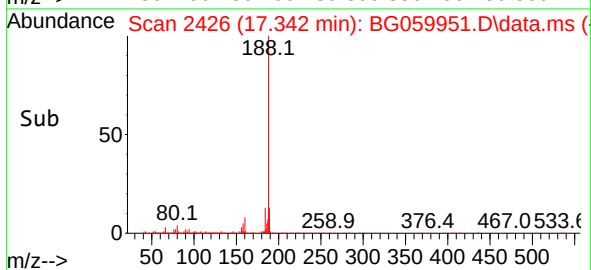
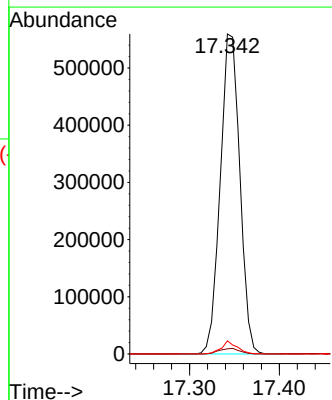
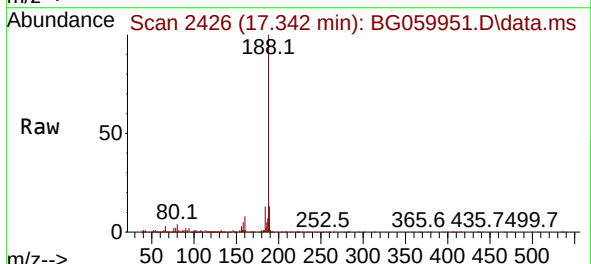
Instrument :
BNA_G
ClientSampleId :
SH-SOIL-A

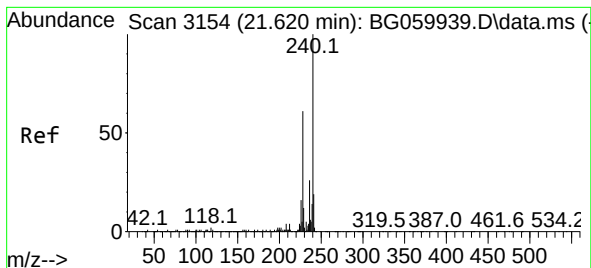
Tgt Ion:165 Resp: 34954
Ion Ratio Lower Upper
165 100
63 2.3 32.8 49.2#
89 1.0 60.6 90.8#
182 0.0 2.6 3.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.342 min Scan# 2426
Delta R.T. -0.006 min
Lab File: BG059951.D
Acq: 5 Dec 2023 16:06

Tgt Ion:188 Resp: 845252
Ion Ratio Lower Upper
188 100
94 1.6 1.8 2.6#
80 4.1 2.2 3.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.619 min Scan# 31

Delta R.T. -0.000 min

Lab File: BG059951.D

Acq: 5 Dec 2023 16:06

Instrument :

BNA_G

ClientSampleId :

SH-SOIL-A

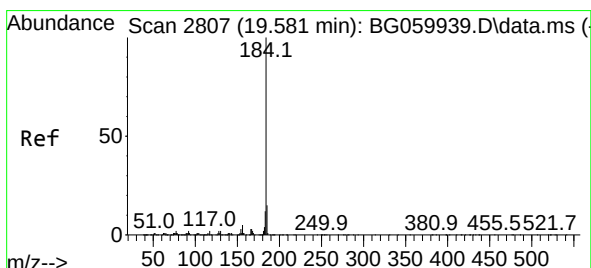
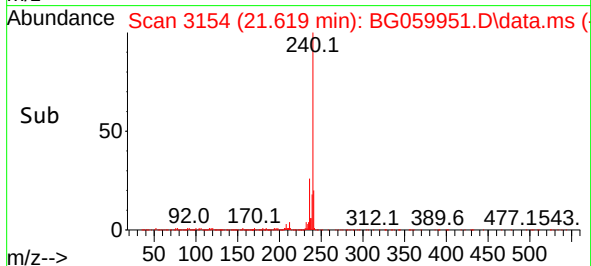
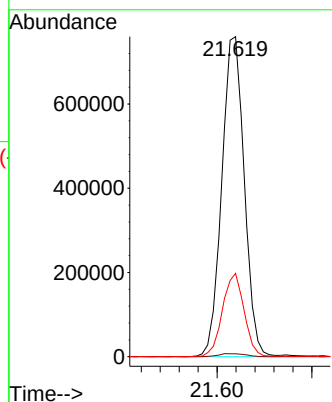
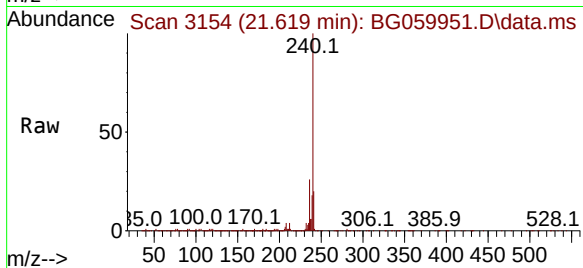
Tgt Ion:240 Resp: 1250730

Ion Ratio Lower Upper

240 100

120 0.9 1.0 1.4#

236 26.1 20.8 31.2



#77

Benzidine

Concen: 4.308 ng

RT: 19.968 min Scan# 2873

Delta R.T. 0.388 min

Lab File: BG059951.D

Acq: 5 Dec 2023 16:06

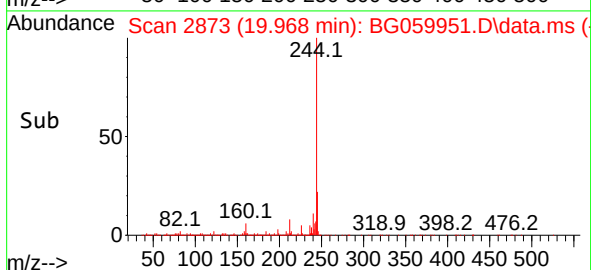
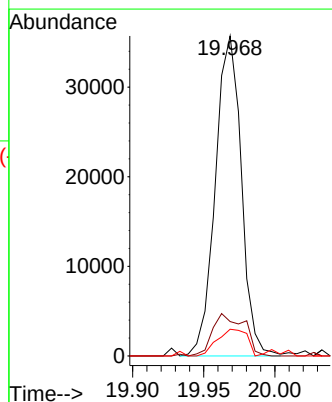
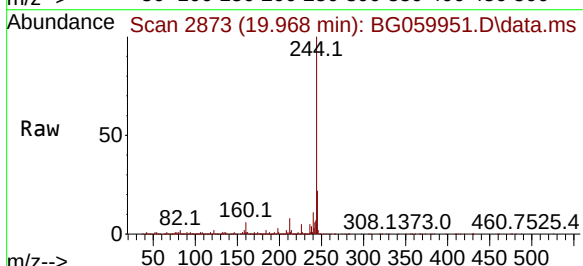
Tgt Ion:184 Resp: 45415

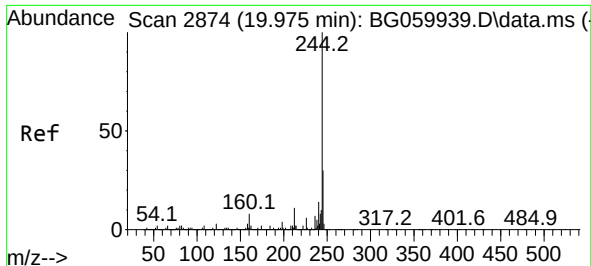
Ion Ratio Lower Upper

184 100

185 10.7 12.0 18.0#

183 8.4 9.7 14.5#

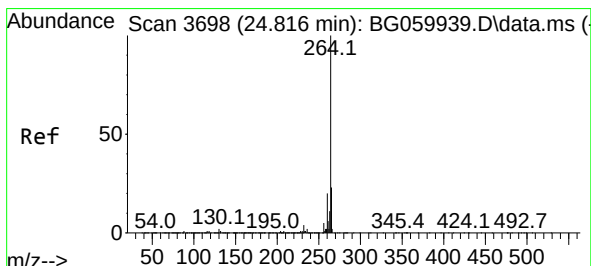
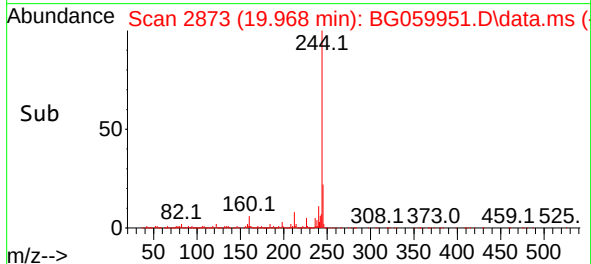
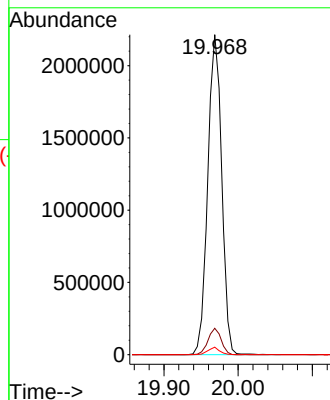
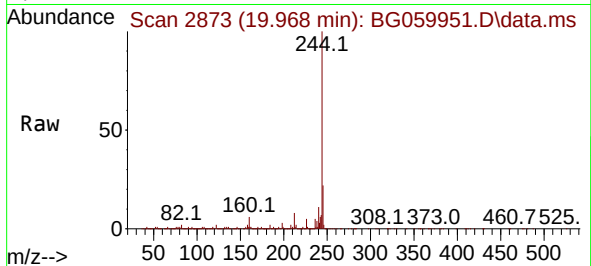




#79
 Terphenyl-d14
 Concen: 39.781 ng
 RT: 19.968 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BG059951.D
 Acq: 5 Dec 2023 16:06

Instrument :
 BNA_G
 ClientSampleId :
 SH-SOIL-A

Tgt Ion:244 Resp: 2886246
 Ion Ratio Lower Upper
 244 100
 212 8.3 8.6 13.0#
 122 2.3 2.1 3.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.810 min Scan# 3697
 Delta R.T. -0.006 min
 Lab File: BG059951.D
 Acq: 5 Dec 2023 16:06

Tgt Ion:264 Resp: 1499636
 Ion Ratio Lower Upper
 264 100
 260 22.3 15.8 23.6
 265 22.5 18.1 27.1

