

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

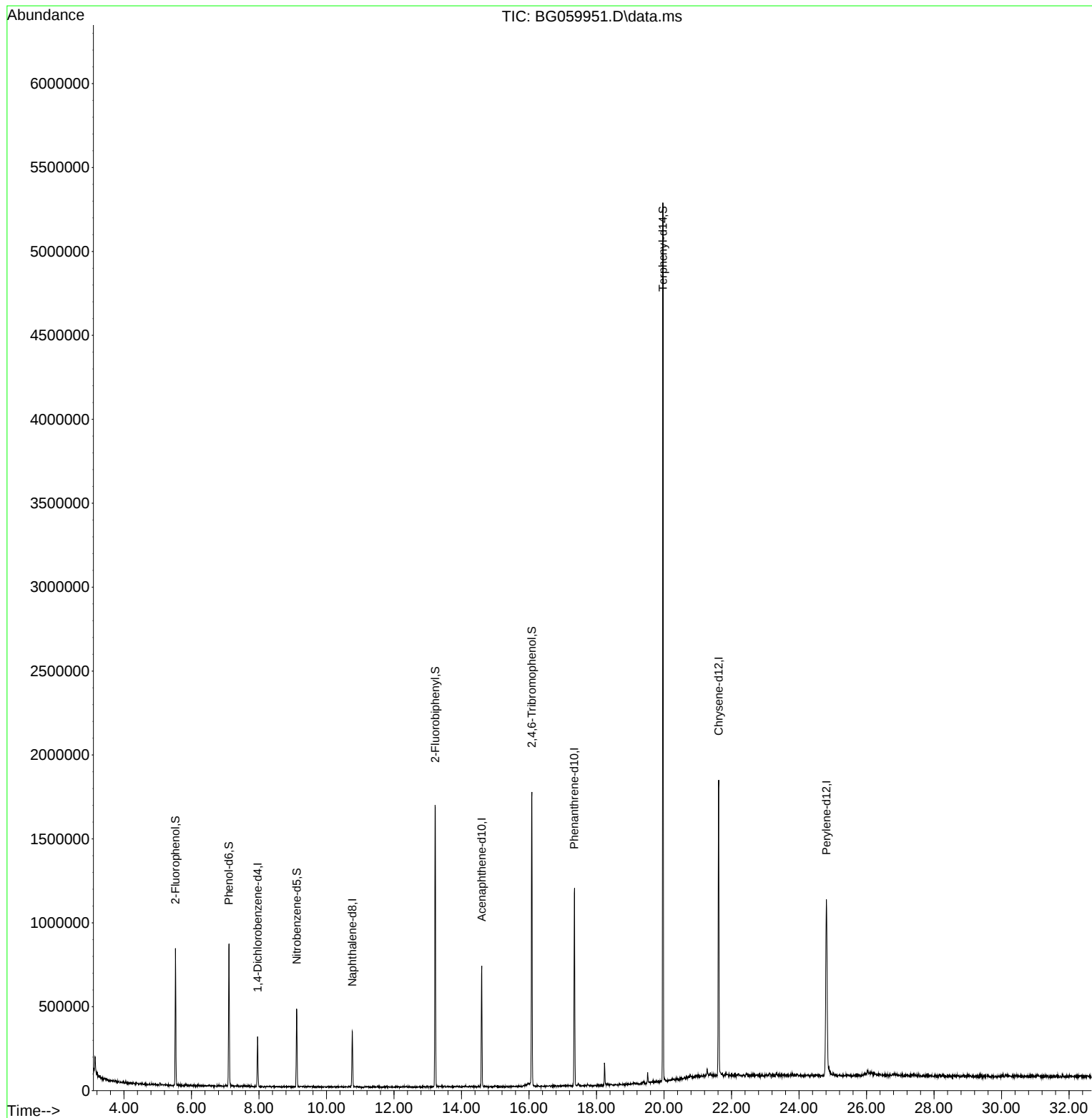
Target Compounds	Qvalue

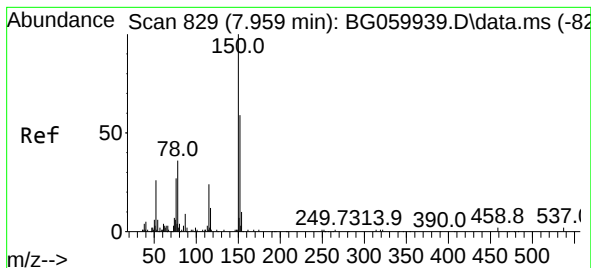
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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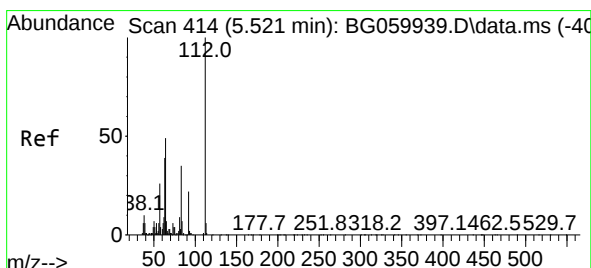
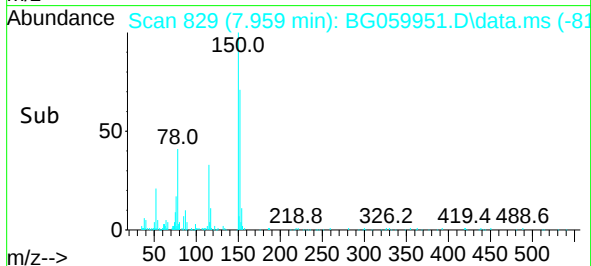
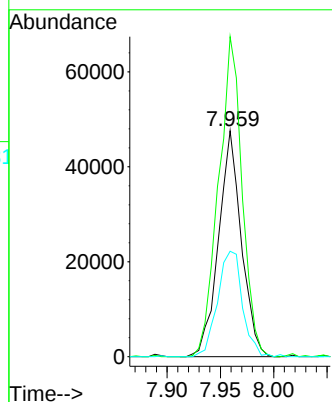
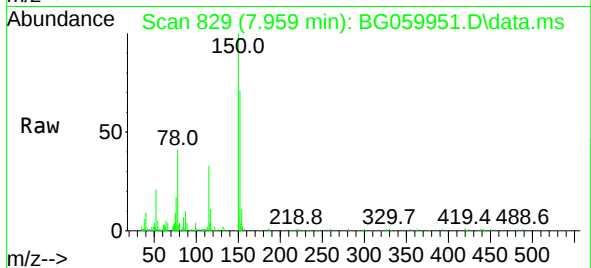




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.959 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG059951.D
Acq: 5 Dec 2023 16:06

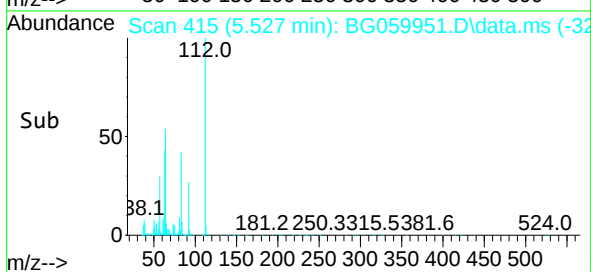
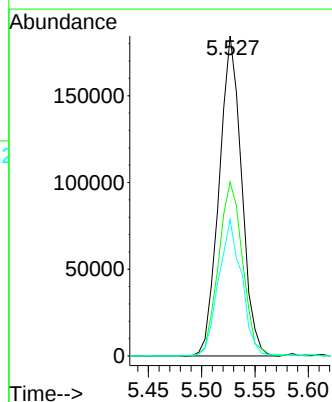
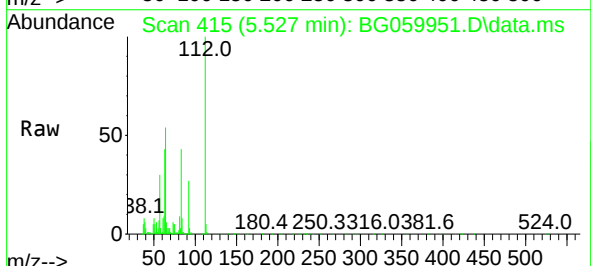
Instrument :
BNA_G
ClientSampleId :
SH-SOIL-A

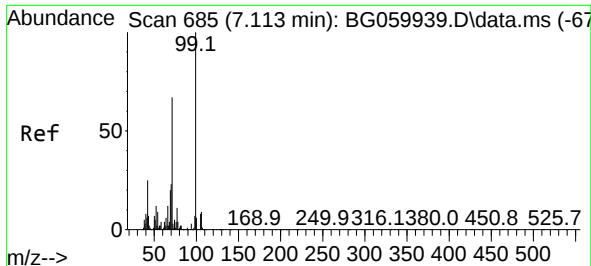
Tgt Ion:152 Resp: 70753
Ion Ratio Lower Upper
152 100
150 141.7 136.9 205.3
115 46.7 32.9 49.3



#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

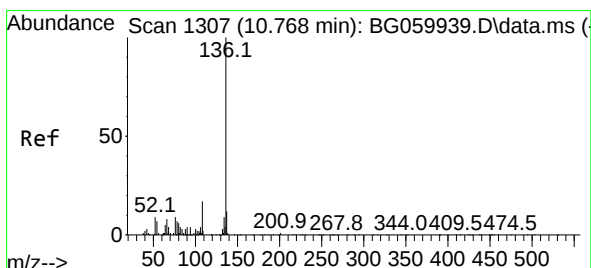
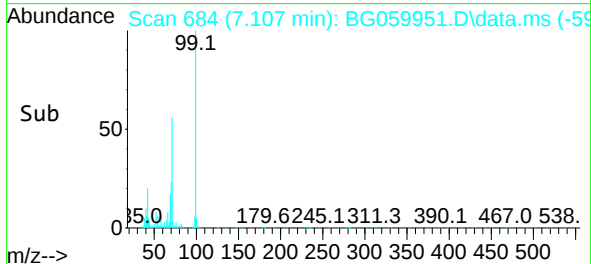
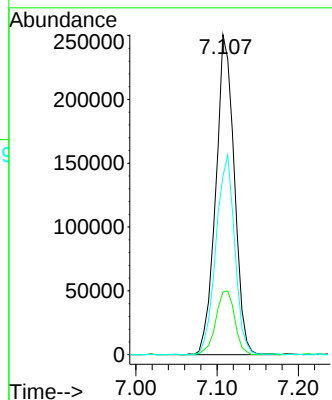
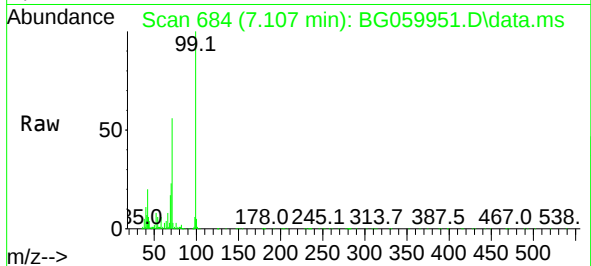




#7
Phenol-d6
Concen: 71.458 ng
RT: 7.107 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG059951.D
Acq: 5 Dec 2023 16:06

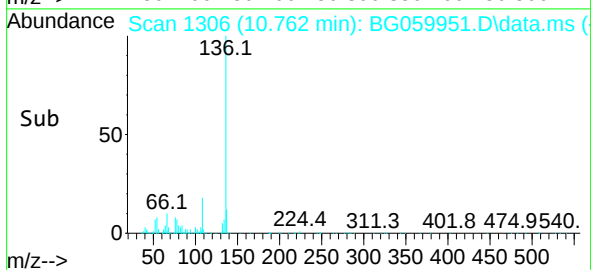
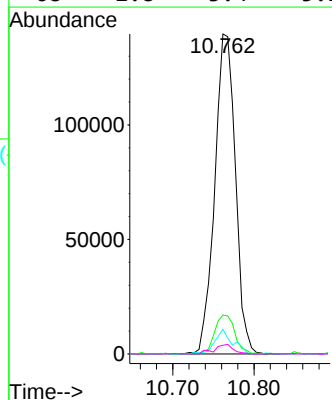
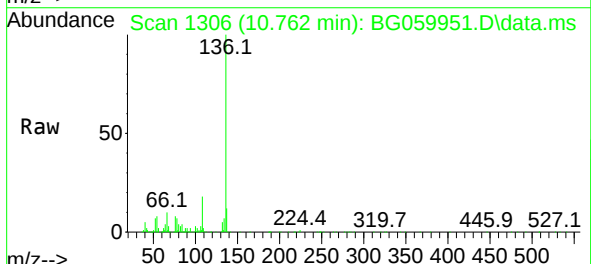
Instrument :
BNA_G
ClientSampleId :
SH-SOIL-A

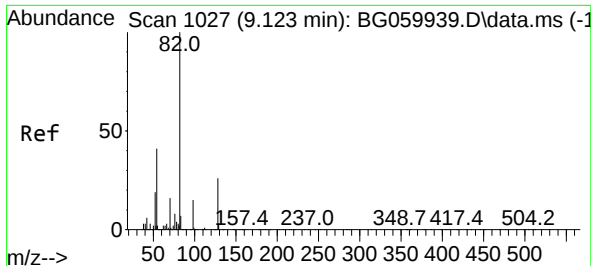
Tgt Ion: 99 Resp: 396602
Ion Ratio Lower Upper
99 100
42 19.6 20.1 30.1#
71 55.7 53.8 80.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.762 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BG059951.D
Acq: 5 Dec 2023 16:06

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#

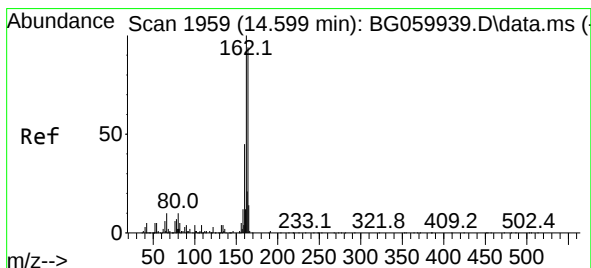
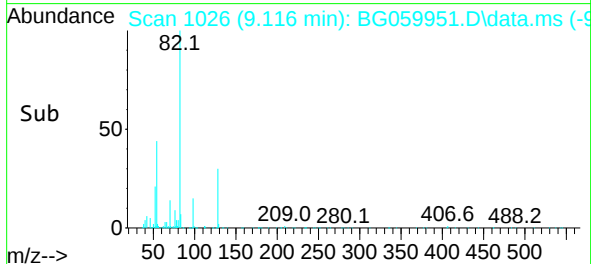
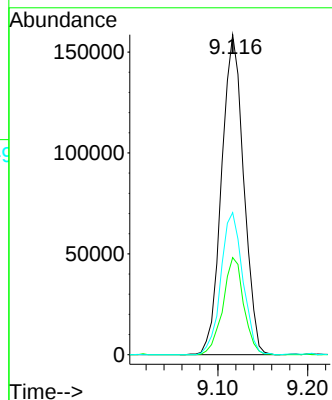
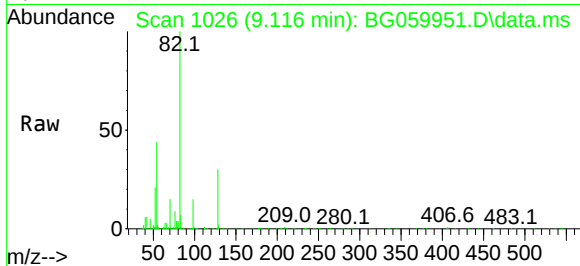




#23
Nitrobenzene-d5
Concen: 39.186 ng
RT: 9.116 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BG059951.D
Acq: 5 Dec 2023 16:06

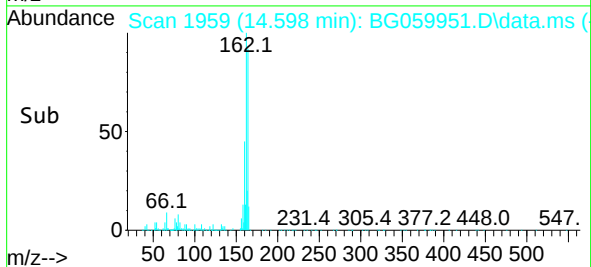
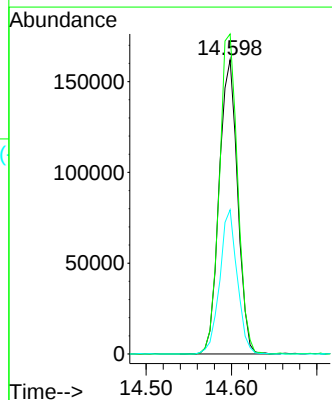
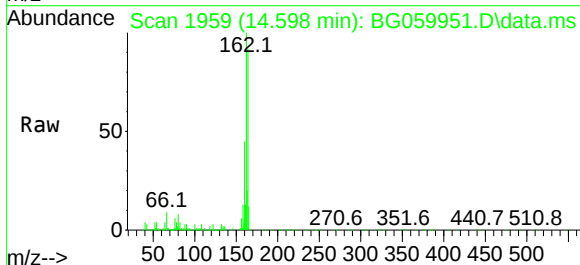
Instrument :
BNA_G
ClientSampleId :
SH-SOIL-A

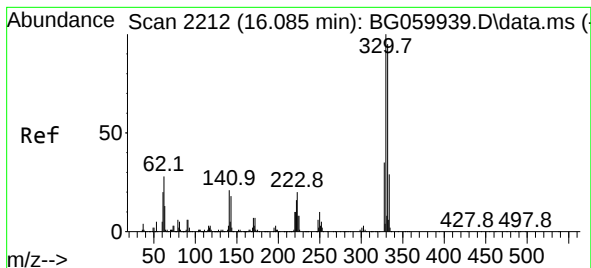
Tgt Ion: 82 Resp: 270809
Ion Ratio Lower Upper
82 100
128 30.4 21.0 31.6
54 44.4 32.6 48.8



#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

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

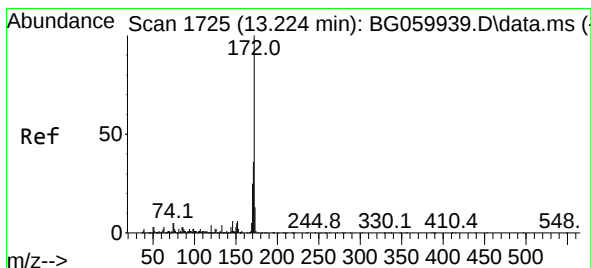
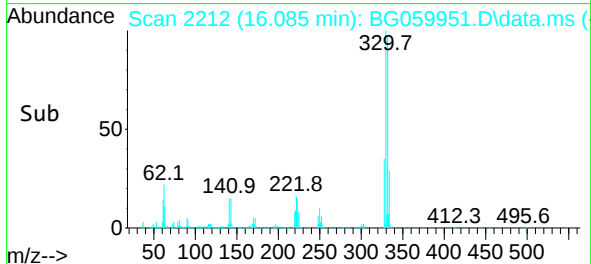
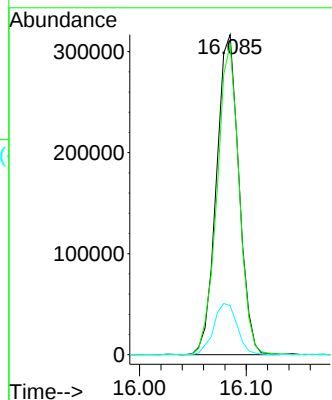
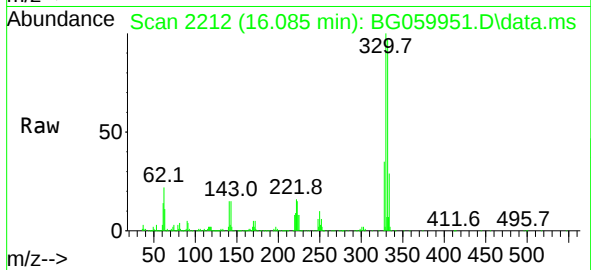




#42
2,4,6-Tribromophenol
Concen: 59.262 ng
RT: 16.085 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG059951.D
Acq: 5 Dec 2023 16:06

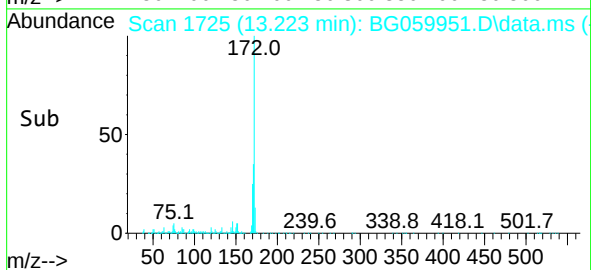
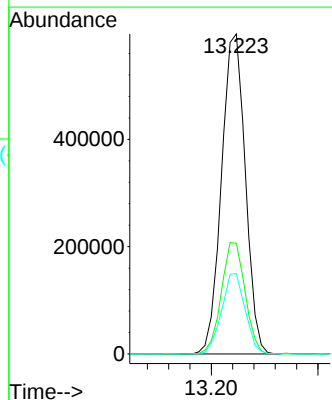
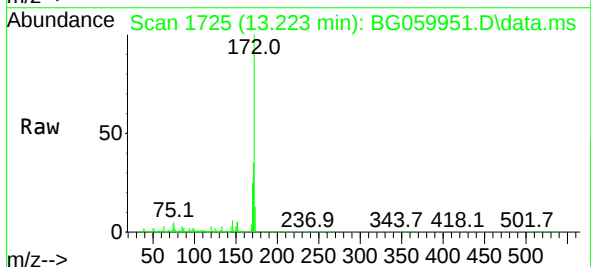
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SH-SOIL-A

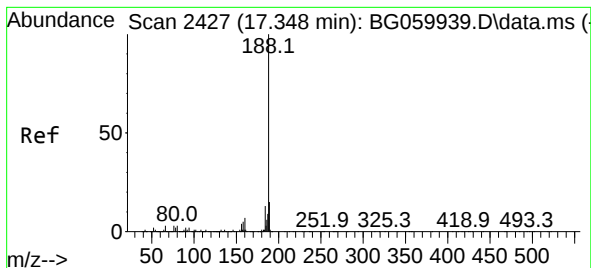
Tgt Ion:330 Resp: 463204
Ion Ratio Lower Upper
330 100
332 95.2 76.5 114.7
141 16.9 15.0 22.6



#45
2-Fluorobiphenyl
Concen: 41.498 ng
RT: 13.223 min Scan# 1725
Delta R.T. -0.000 min
Lab File: BG059951.D
Acq: 5 Dec 2023 16:06

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.342 min Scan# 2427

Delta R.T. -0.006 min

Lab File: BG059951.D

Acq: 5 Dec 2023 16:06

Instrument :

BNA_G

ClientSampleId :

SH-SOIL-A

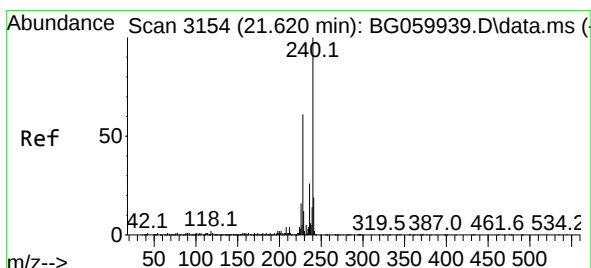
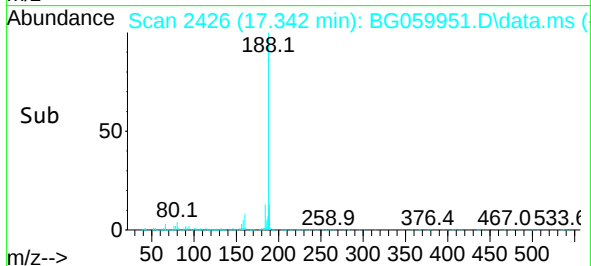
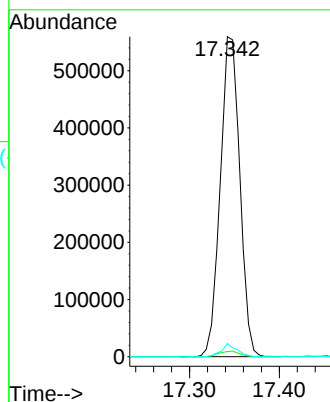
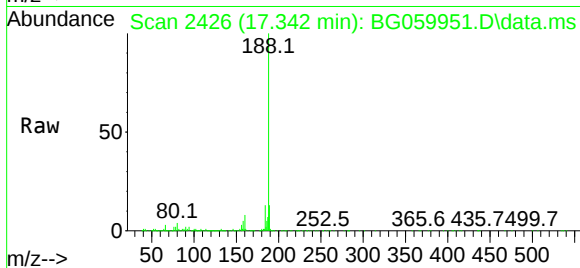
Tgt Ion:188 Resp: 845252

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# 3154

Delta R.T. -0.000 min

Lab File: BG059951.D

Acq: 5 Dec 2023 16:06

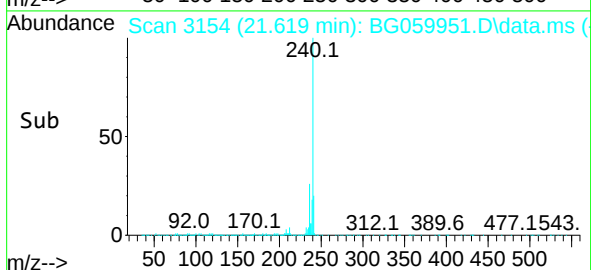
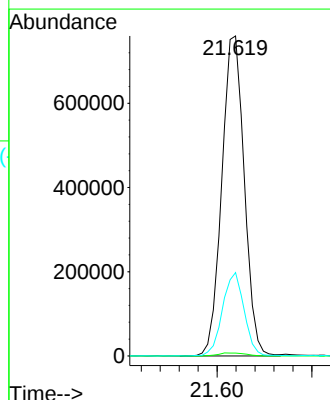
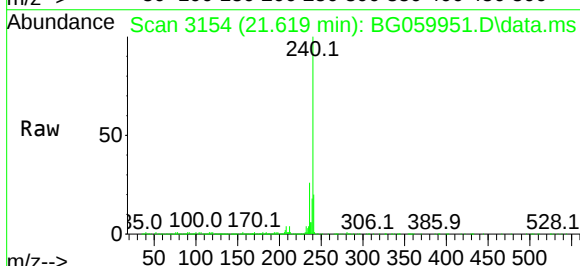
Tgt Ion:240 Resp: 1250730

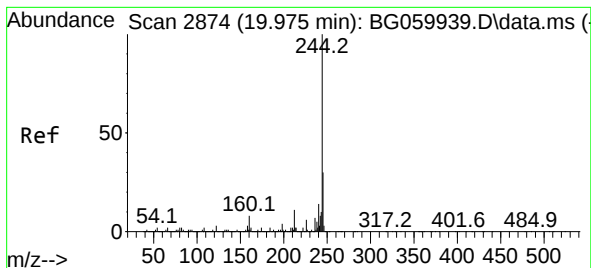
Ion Ratio Lower Upper

240 100

120 0.9 1.0 1.4#

236 26.1 20.8 31.2





#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

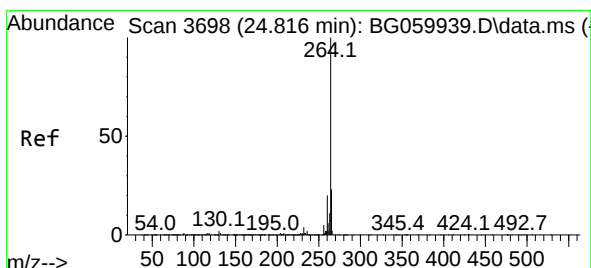
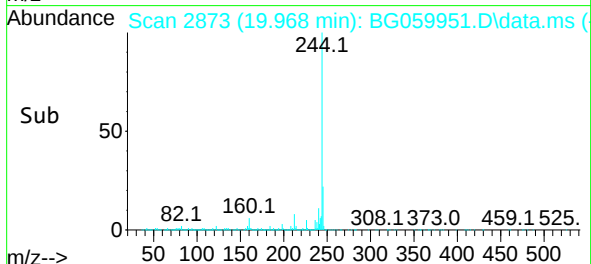
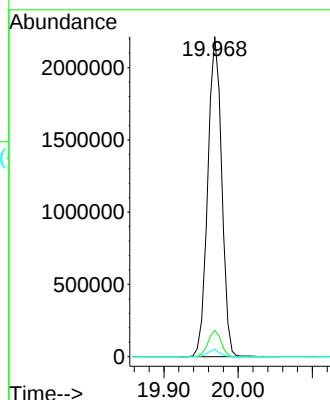
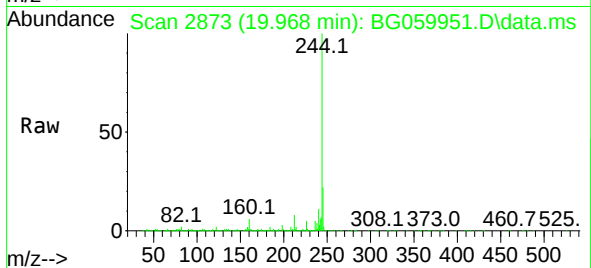
Tgt Ion:244 Resp: 2886246

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

