

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 15:18:01 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

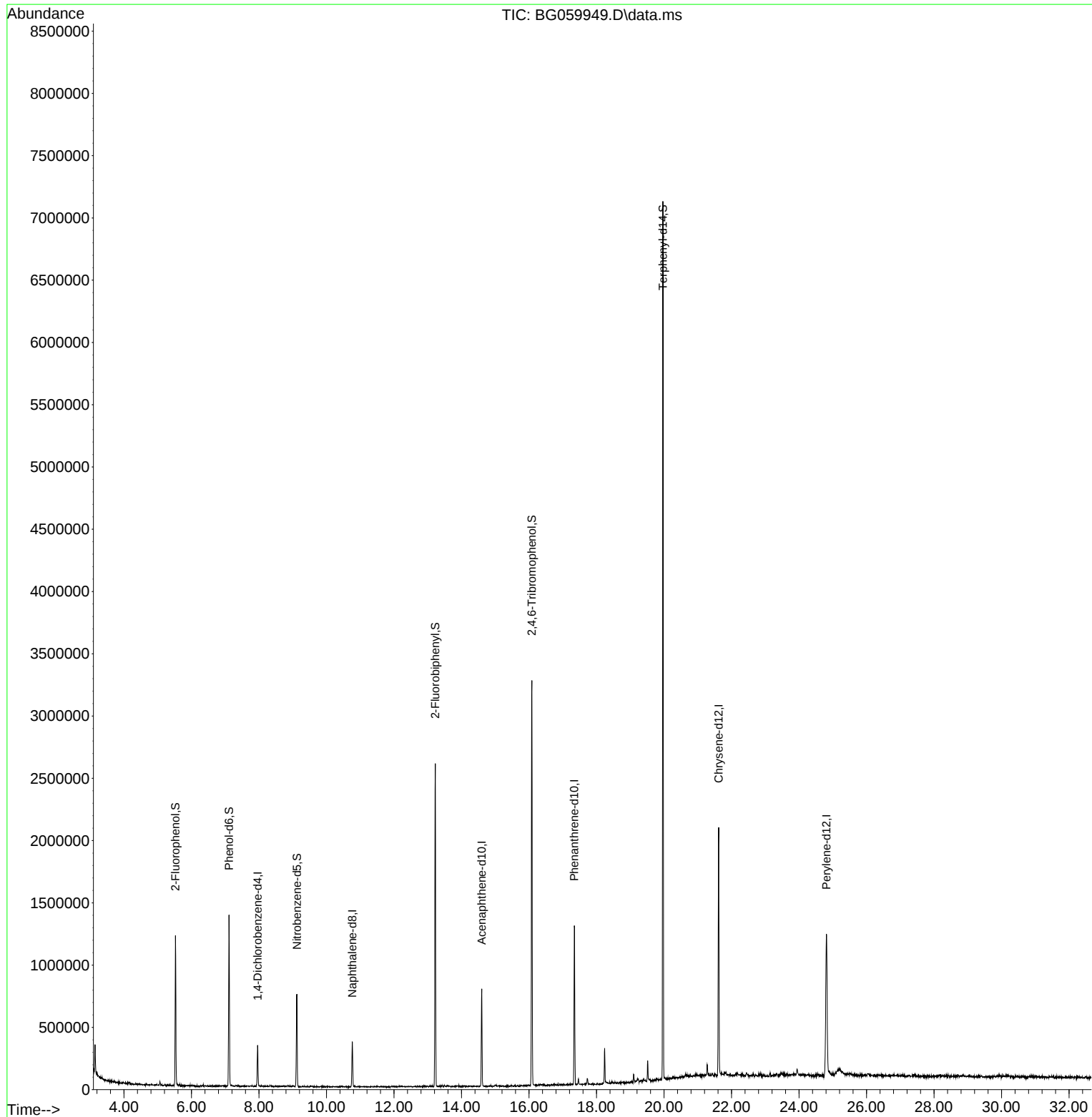
Target Compounds	Qvalue

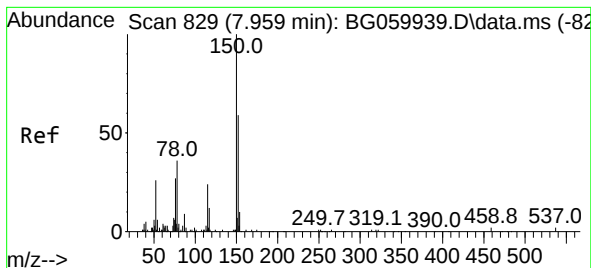
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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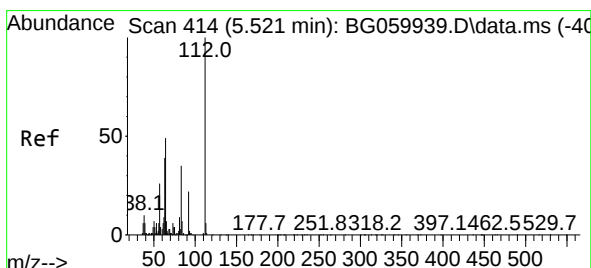
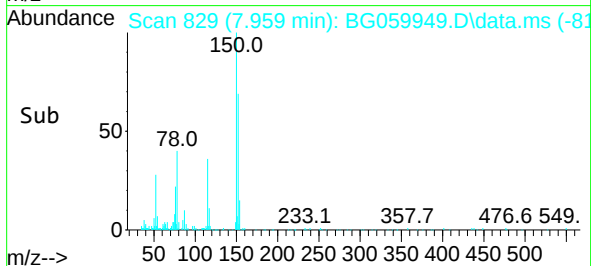
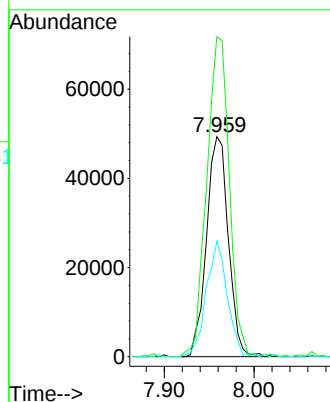
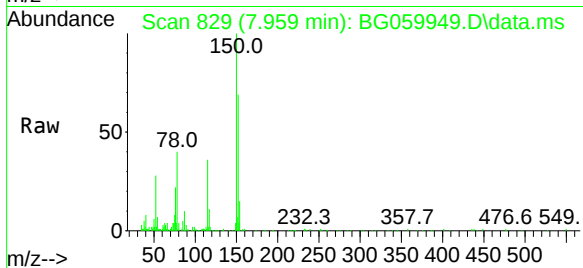




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.959 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG059949.D
Acq: 5 Dec 2023 14:45

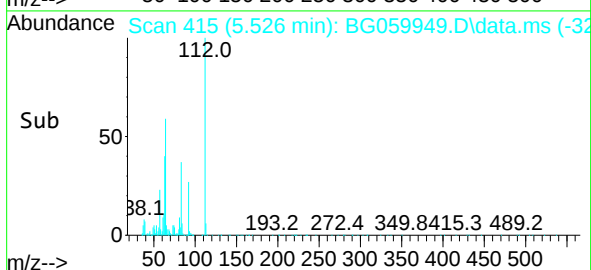
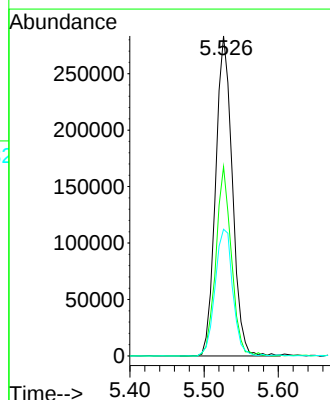
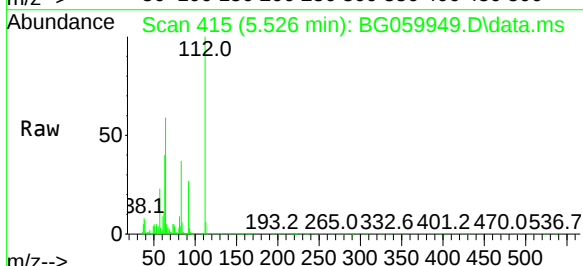
Instrument :
BNA_G
ClientSampleId :
SH-SOIL-B

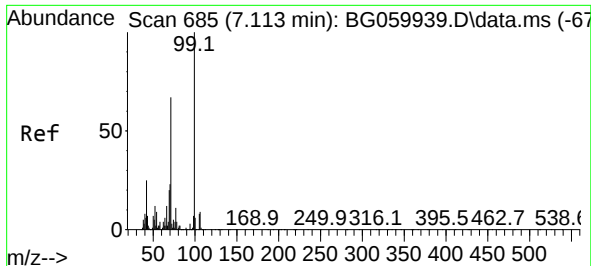
Tgt Ion:152 Resp: 83321
Ion Ratio Lower Upper
152 100
150 145.5 136.9 205.3
115 52.4 32.9 49.3#



#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

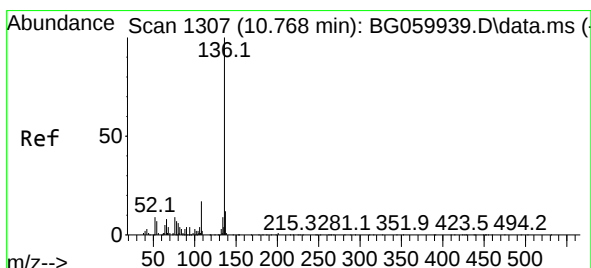
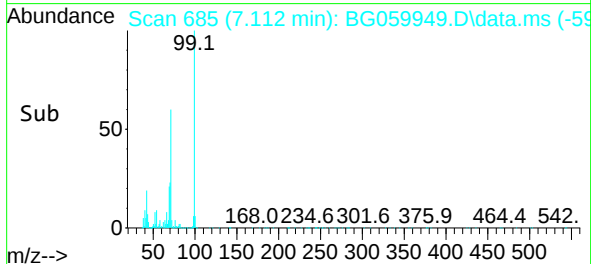
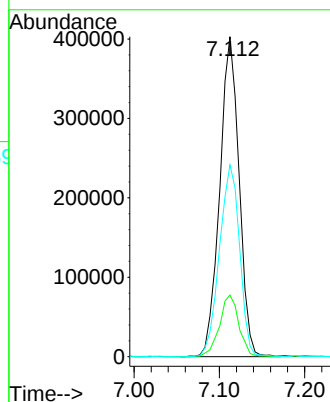
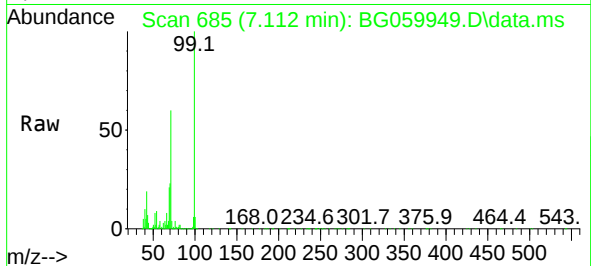




#7
Phenol-d6
Concen: 97.451 ng
RT: 7.112 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG059949.D
Acq: 5 Dec 2023 14:45

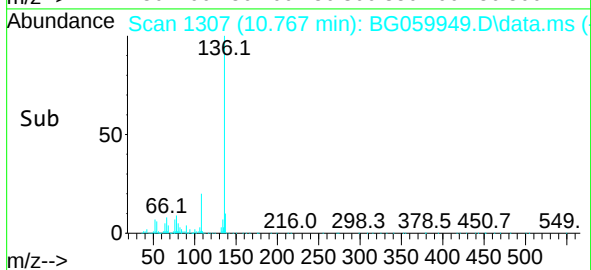
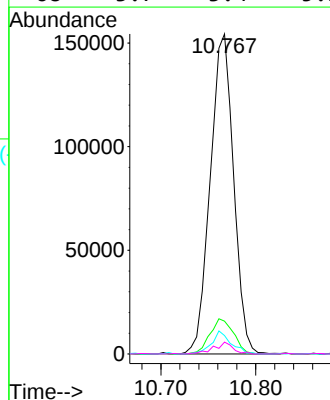
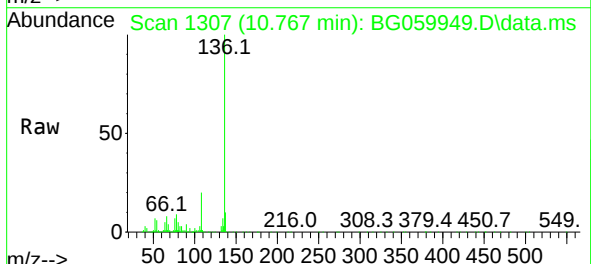
Instrument :
BNA_G
ClientSampleId :
SH-SOIL-B

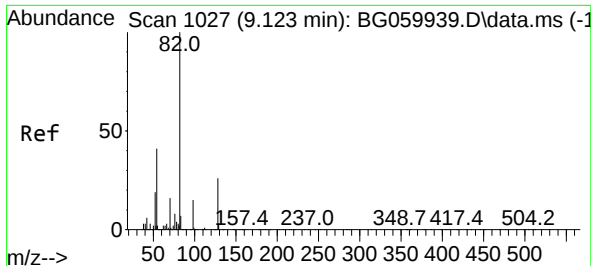
Tgt Ion: 99 Resp: 636947
Ion Ratio Lower Upper
99 100
42 19.3 20.1 30.1#
71 60.0 53.8 80.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.767 min Scan# 1307
Delta R.T. -0.001 min
Lab File: BG059949.D
Acq: 5 Dec 2023 14:45

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

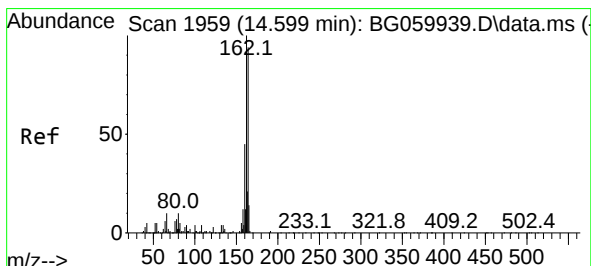
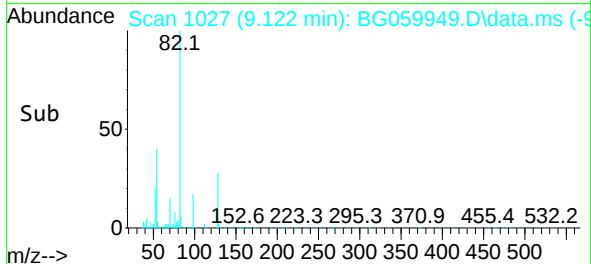
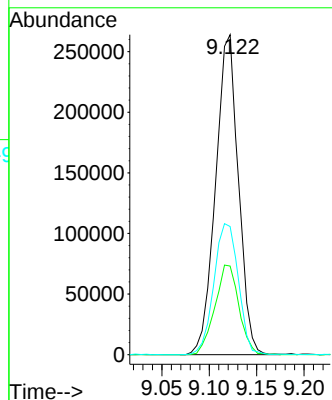
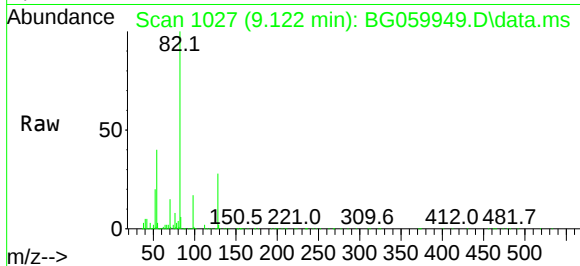




#23
Nitrobenzene-d5
Concen: 59.825 ng
RT: 9.122 min Scan# 1027
Delta R.T. -0.001 min
Lab File: BG059949.D
Acq: 5 Dec 2023 14:45

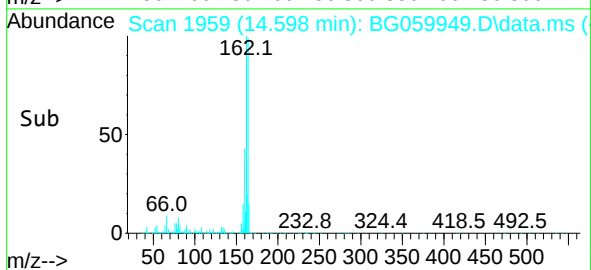
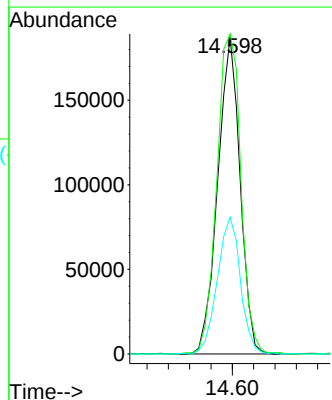
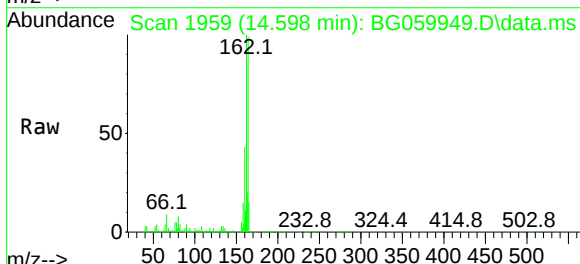
Instrument :
BNA_G
ClientSampleId :
SH-SOIL-B

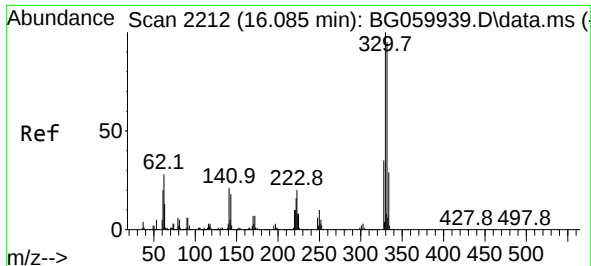
Tgt Ion: 82 Resp: 442705
Ion Ratio Lower Upper
82 100
128 27.7 21.0 31.6
54 40.0 32.6 48.8



#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

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

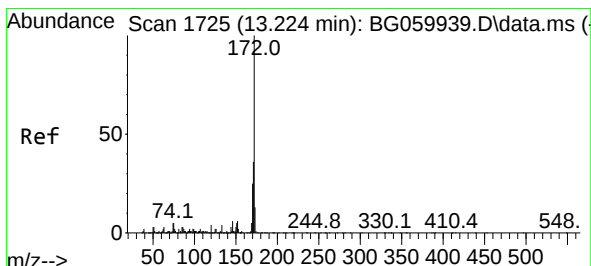
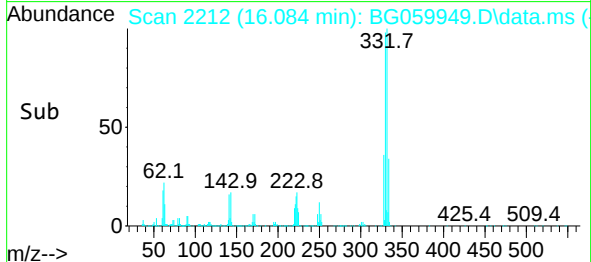
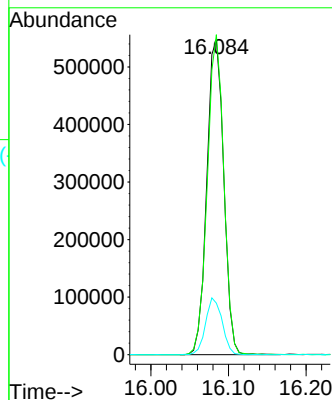
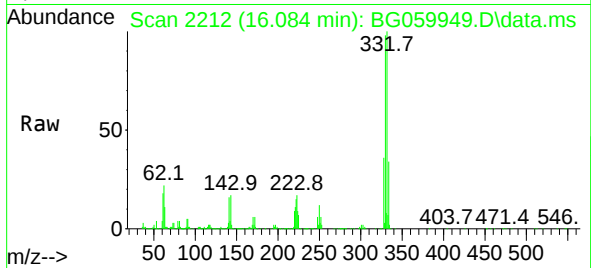




#42
2,4,6-Tribromophenol
Concen: 95.019 ng
RT: 16.084 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG059949.D
Acq: 5 Dec 2023 14:45

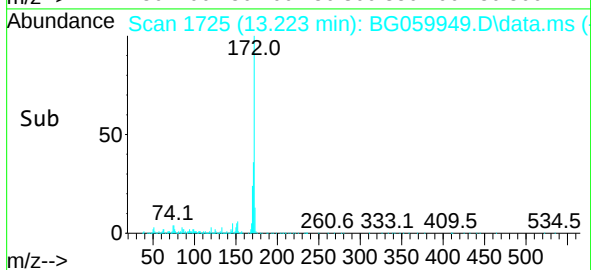
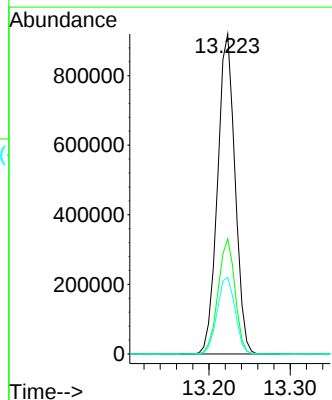
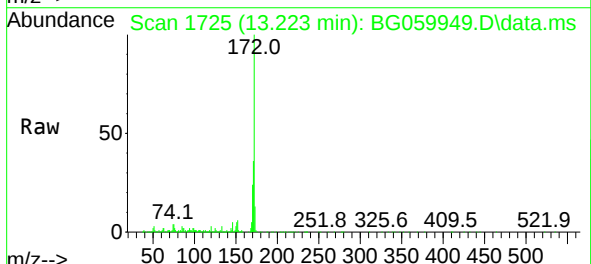
Instrument :
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ClientSampleId :
SH-SOIL-B

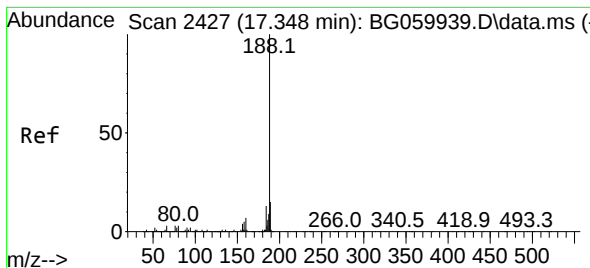
Tgt Ion:330 Resp: 830360
Ion Ratio Lower Upper
330 100
332 98.8 76.5 114.7
141 17.6 15.0 22.6



#45
2-Fluorobiphenyl
Concen: 55.213 ng
RT: 13.223 min Scan# 1725
Delta R.T. -0.001 min
Lab File: BG059949.D
Acq: 5 Dec 2023 14:45

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.342 min Scan# 24

Delta R.T. -0.007 min

Lab File: BG059949.D

Acq: 5 Dec 2023 14:45

Instrument :

BNA_G

ClientSampleId :

SH-SOIL-B

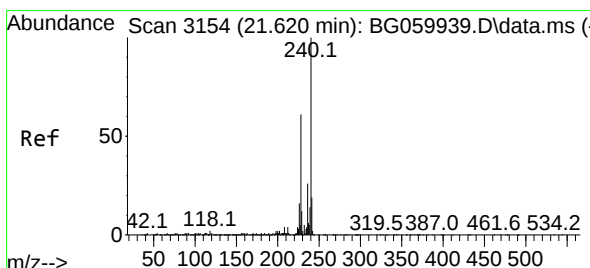
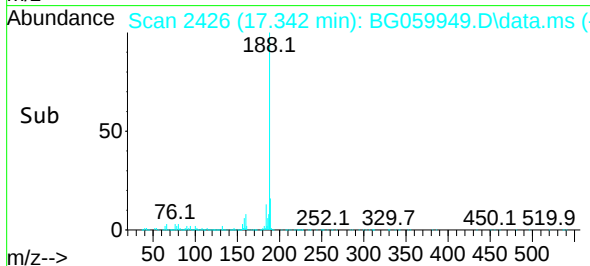
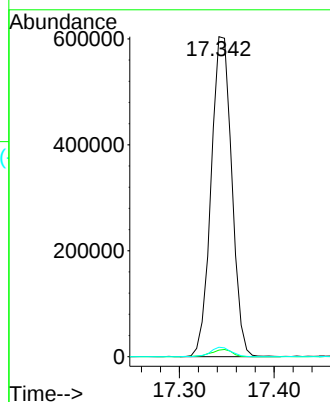
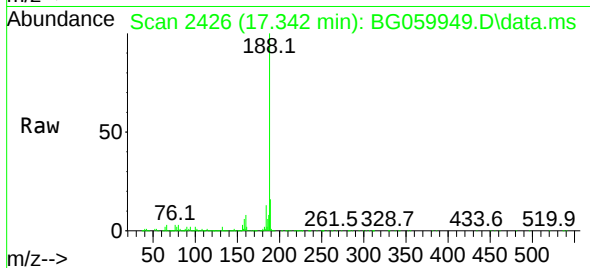
Tgt Ion:188 Resp: 915079

Ion Ratio Lower Upper

188 100

94 2.1 1.8 2.6

80 3.0 2.2 3.4



#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

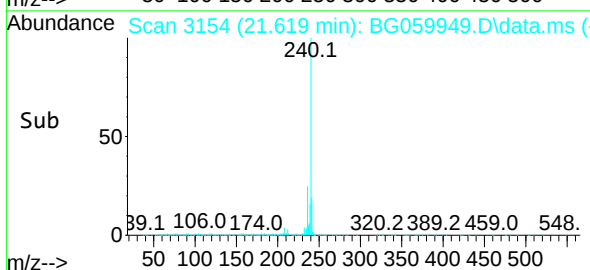
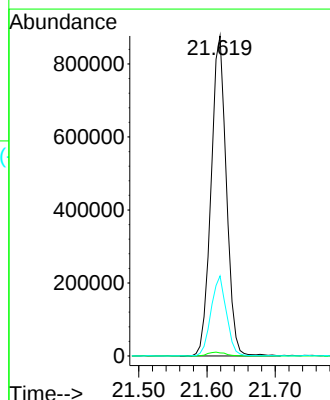
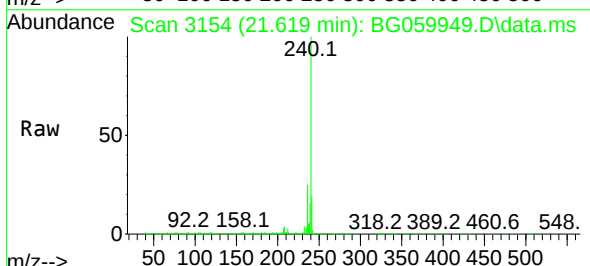
Tgt Ion:240 Resp: 1369182

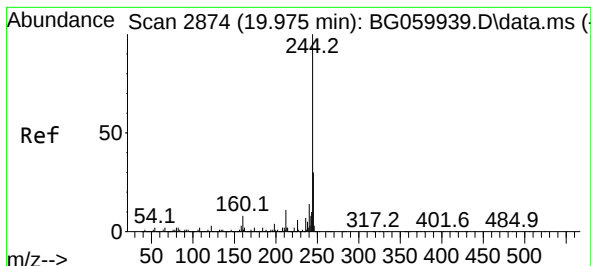
Ion Ratio Lower Upper

240 100

120 0.9 1.0 1.4#

236 25.0 20.8 31.2





#79

Terphenyl-d14

Concen: 47.791 ng

RT: 19.968 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG059949.D

Acq: 5 Dec 2023 14:45

Instrument :

BNA_G

ClientSampleId :

SH-SOIL-B

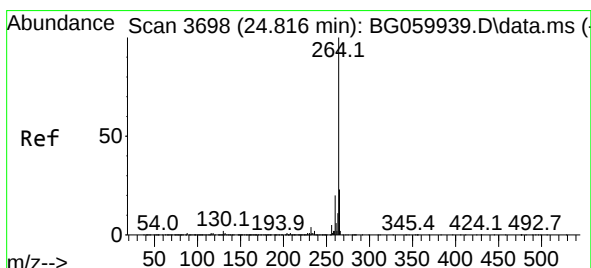
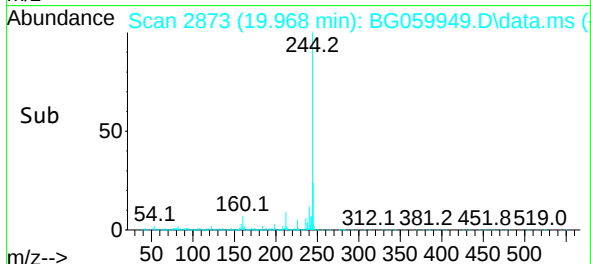
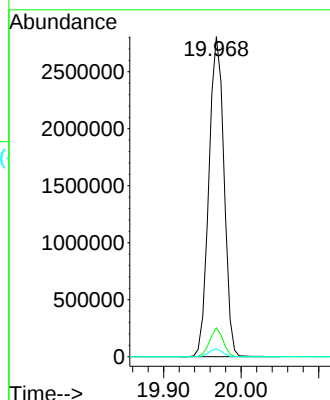
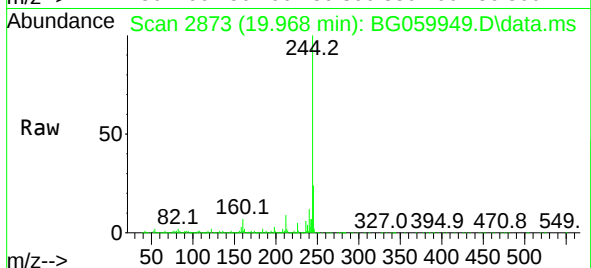
Tgt Ion:244 Resp: 3795709

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# 3697

Delta R.T. -0.007 min

Lab File: BG059949.D

Acq: 5 Dec 2023 14:45

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

