

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112423\
 Data File : BG059891.D
 Acq On : 25 Nov 2023 14:38
 Operator : MA/JU
 Sample : 05445-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-1-1115

Quant Time: Nov 27 03:22:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 24 15:11:07 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.324	152	28429	20.000	ng	# 0.00
21) Naphthalene-d8	11.173	136	132577	20.000	ng	# 0.00
39) Acenaphthene-d10	14.951	164	91606	20.000	ng	0.00
64) Phenanthrene-d10	17.701	188	170158	20.000	ng	# 0.00
76) Chrysene-d12	22.019	240	136273	20.000	ng	#-0.01
86) Perylene-d12	25.597	264	165320	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.815	112	251039	148.628	ng	0.00
7) Phenol-d6	7.448	99	314918	125.816	ng	0.00
23) Nitrobenzene-d5	9.522	82	339389	97.769	ng	0.00
42) 2,4,6-Tribromophenol	16.438	330	173210	166.647	ng	0.00
45) 2-Fluorobiphenyl	13.570	172	748284	109.952	ng	0.00
79) Terphenyl-d14	20.280	244	1043864	113.082	ng	0.00

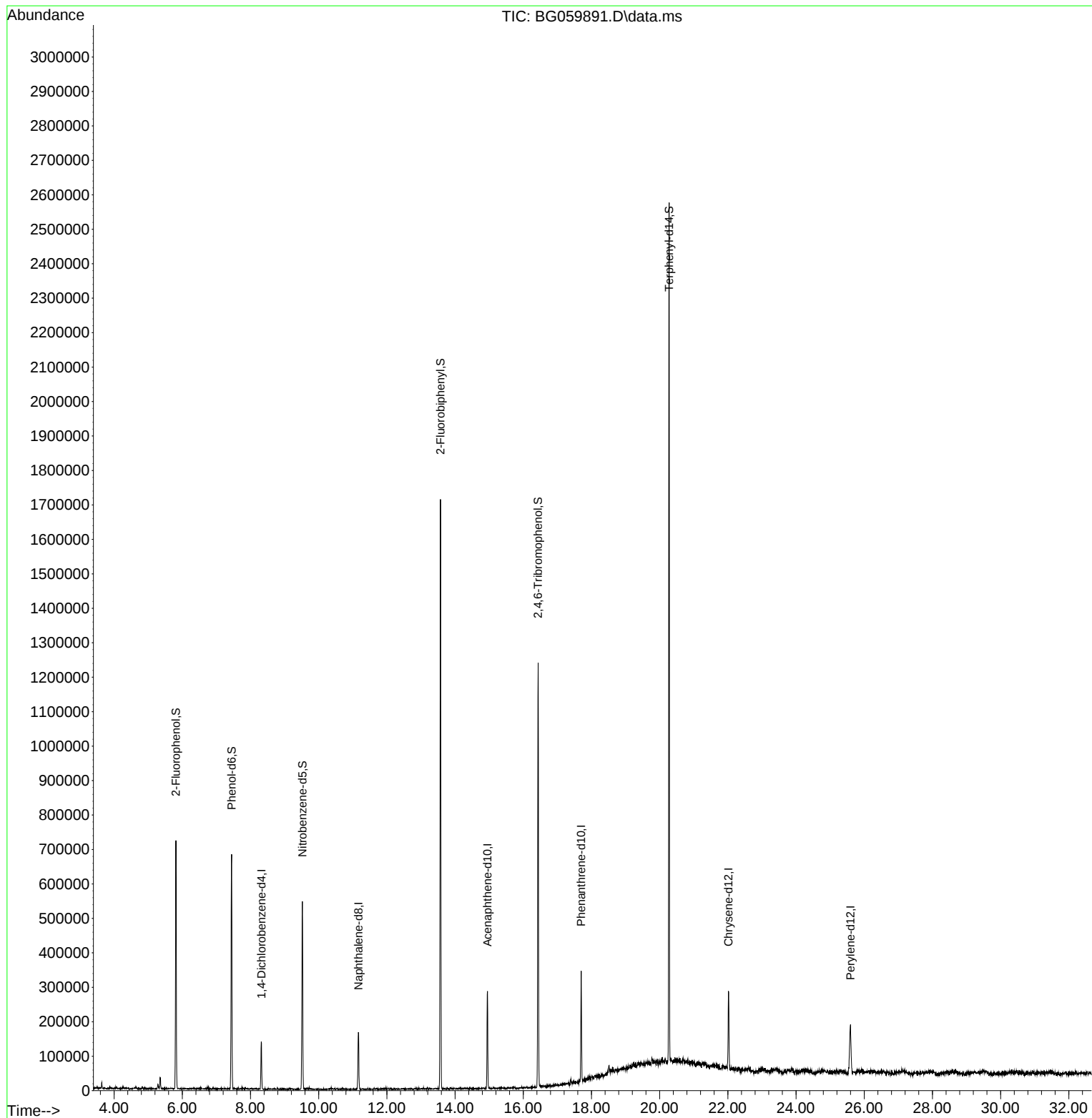
Target Compounds	Qvalue

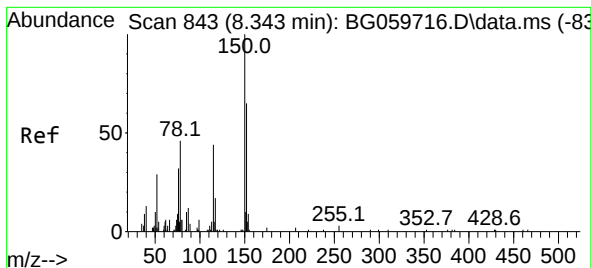
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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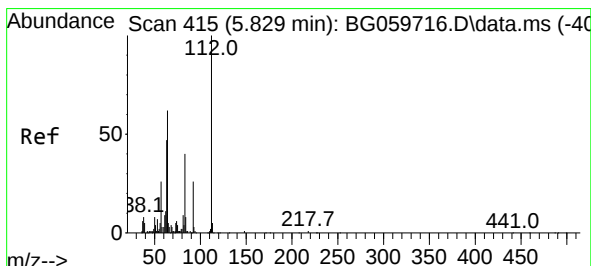
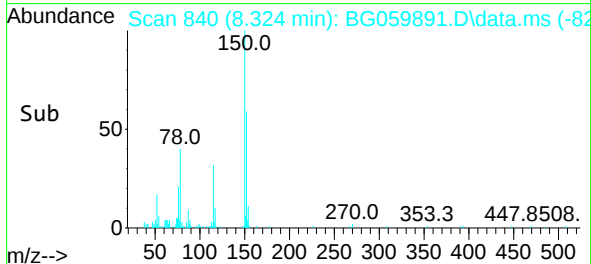
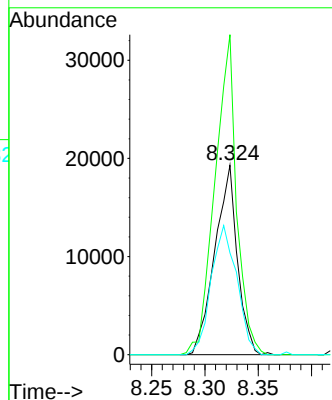
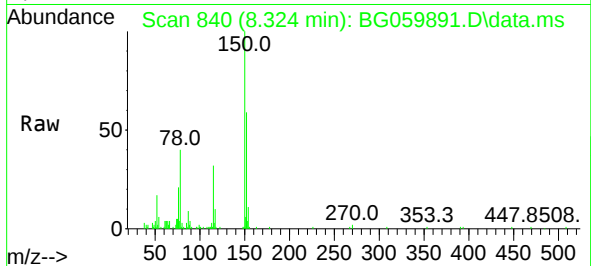




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.324 min Scan# 84
Delta R.T. 0.009 min
Lab File: BG059891.D
Acq: 25 Nov 2023 14:38

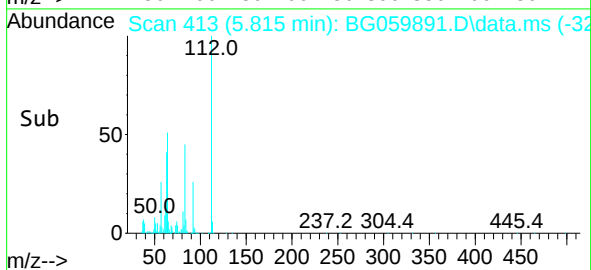
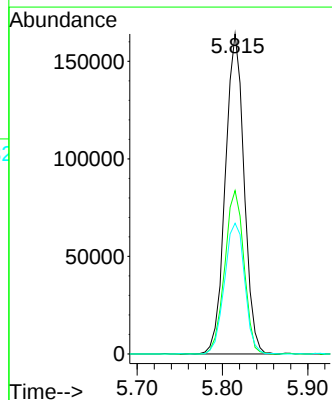
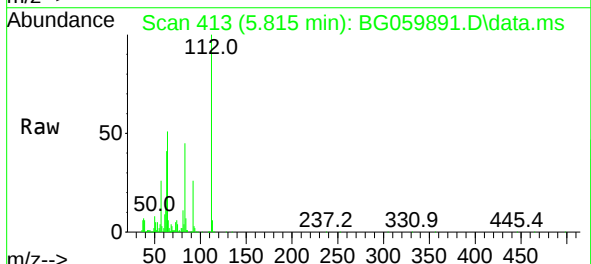
Instrument :
BNA_G
ClientSampleId :
SOIL-1-1115

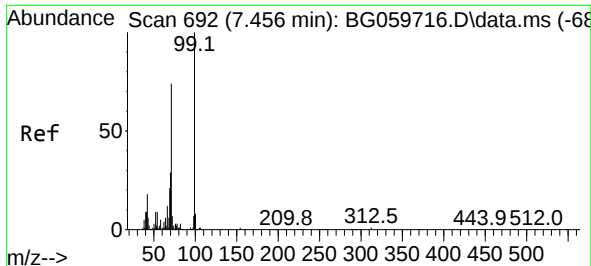
Tgt Ion:152 Resp: 28429
Ion Ratio Lower Upper
152 100
150 168.9 122.2 183.4
115 53.7 54.2 81.4#



#5
2-Fluorophenol
Concen: 148.628 ng
RT: 5.815 min Scan# 413
Delta R.T. 0.003 min
Lab File: BG059891.D
Acq: 25 Nov 2023 14:38

Tgt Ion:112 Resp: 251039
Ion Ratio Lower Upper
112 100
64 51.0 49.5 74.3
63 40.9 37.4 56.2

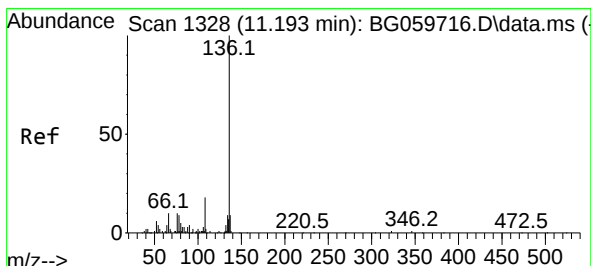
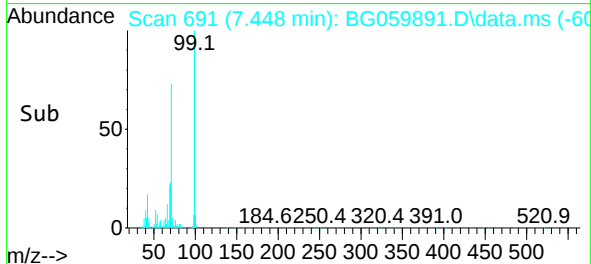
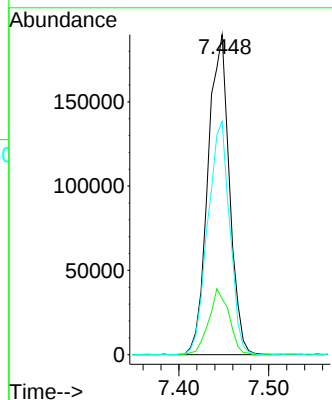
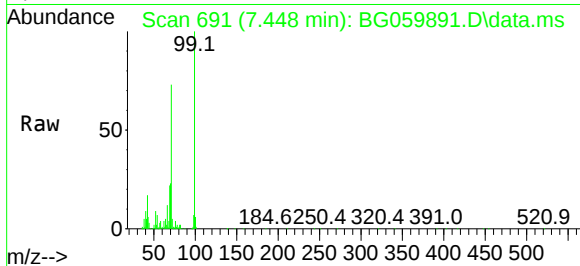




#7
Phenol-d6
Concen: 125.816 ng
RT: 7.448 min Scan# 691
Delta R.T. 0.003 min
Lab File: BG059891.D
Acq: 25 Nov 2023 14:38

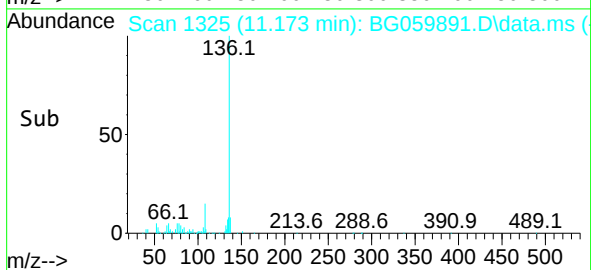
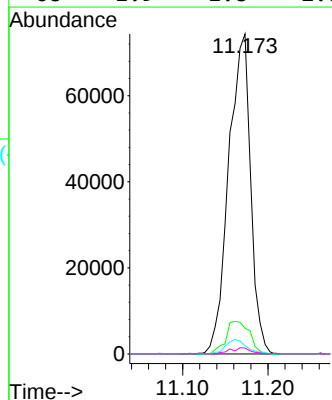
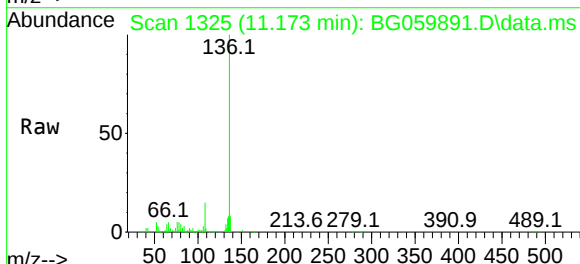
Instrument :
BNA_G
ClientSampleId :
SOIL-1-1115

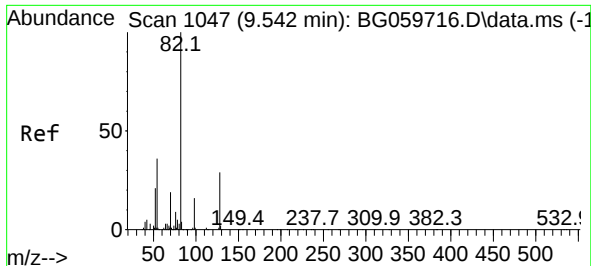
Tgt Ion: 99 Resp: 314918
Ion Ratio Lower Upper
99 100
42 17.5 14.3 21.5
71 73.0 59.3 88.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.173 min Scan# 1325
Delta R.T. 0.003 min
Lab File: BG059891.D
Acq: 25 Nov 2023 14:38

Tgt Ion:136 Resp: 132577
Ion Ratio Lower Upper
136 100
137 8.0 7.4 11.0
54 2.6 3.1 4.7#
68 1.9 1.8 2.8

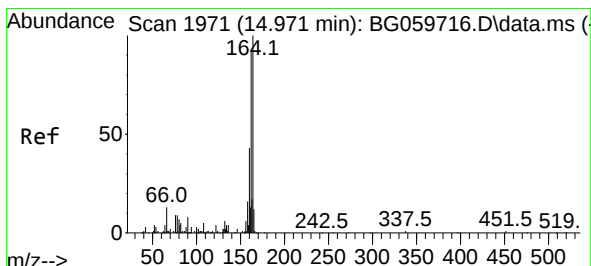
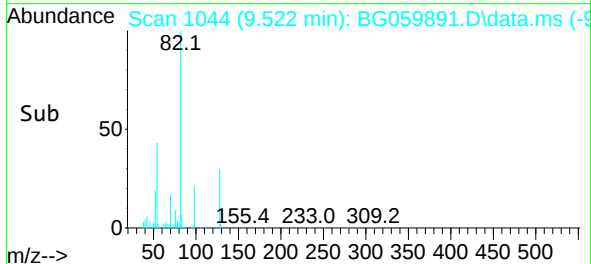
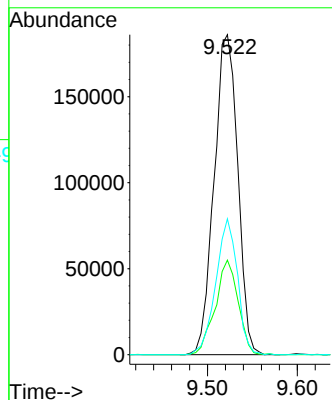
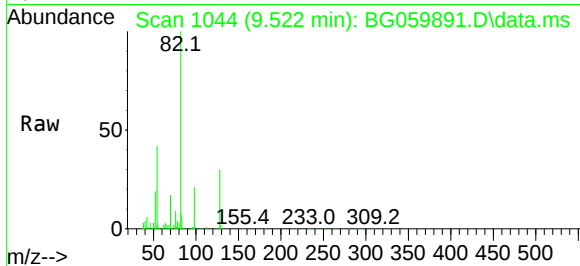




#23
Nitrobenzene-d5
Concen: 97.769 ng
RT: 9.522 min Scan# 1044
Delta R.T. -0.003 min
Lab File: BG059891.D
Acq: 25 Nov 2023 14:38

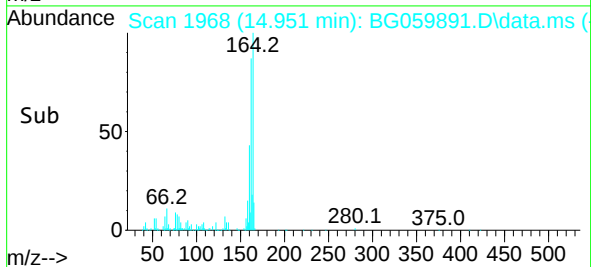
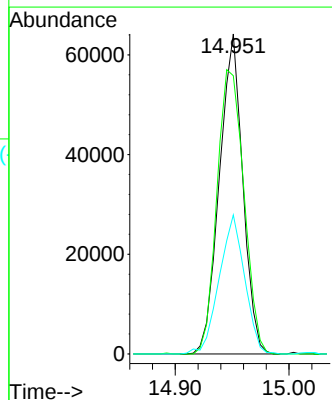
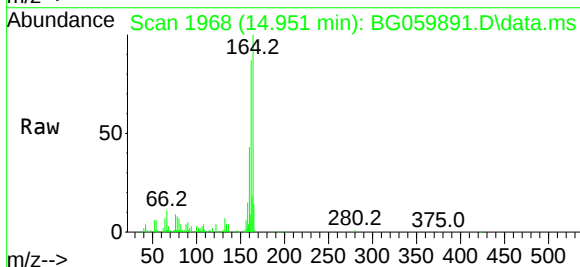
Instrument :
BNA_G
ClientSampleId :
SOIL-1-1115

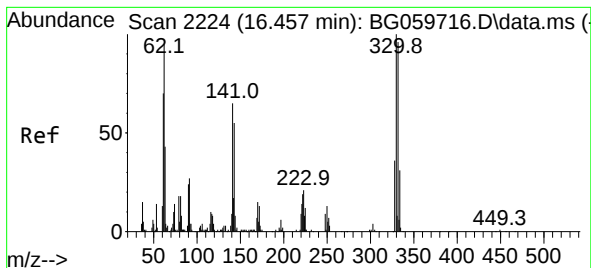
Tgt Ion: 82 Resp: 339389
Ion Ratio Lower Upper
82 100
128 29.6 23.0 34.6
54 42.5 28.7 43.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.951 min Scan# 1968
Delta R.T. -0.003 min
Lab File: BG059891.D
Acq: 25 Nov 2023 14:38

Tgt Ion:164 Resp: 91606
Ion Ratio Lower Upper
164 100
162 86.9 73.3 109.9
160 43.5 34.1 51.1





#42

2,4,6-Tribromophenol

Concen: 166.647 ng

RT: 16.438 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG059891.D

Acq: 25 Nov 2023 14:38

Instrument :

BNA_G

ClientSampleId :

SOIL-1-1115

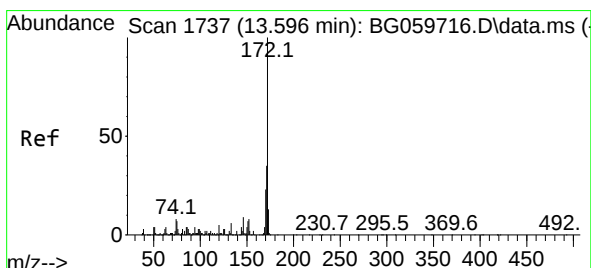
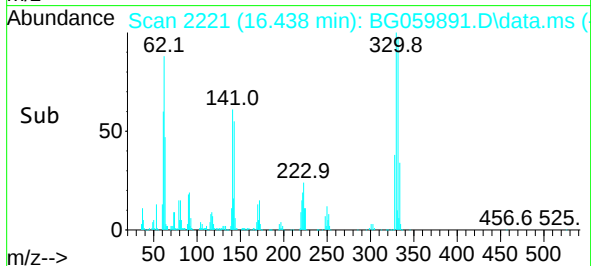
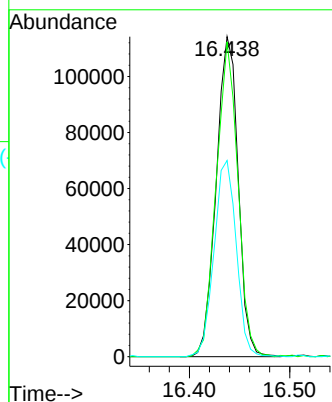
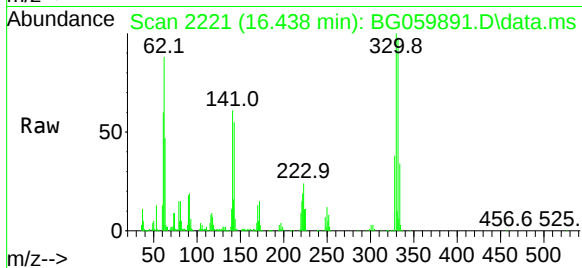
Tgt Ion:330 Resp: 173210

Ion Ratio Lower Upper

330 100

332 96.9 73.3 109.9

141 62.0 52.1 78.1



#45

2-Fluorobiphenyl

Concen: 109.952 ng

RT: 13.570 min Scan# 1733

Delta R.T. -0.009 min

Lab File: BG059891.D

Acq: 25 Nov 2023 14:38

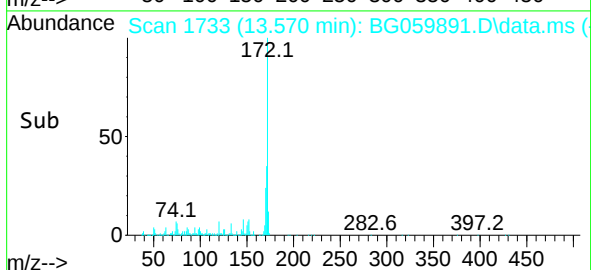
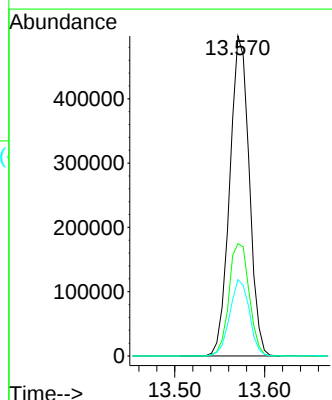
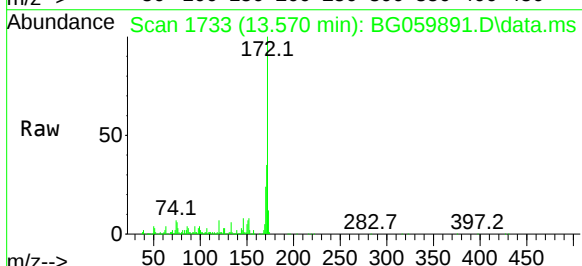
Tgt Ion:172 Resp: 748284

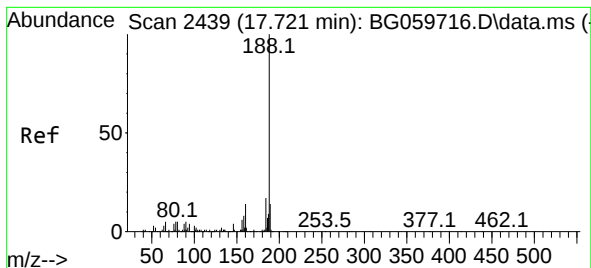
Ion Ratio Lower Upper

172 100

171 35.1 27.7 41.5

170 23.8 18.4 27.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.701 min Scan# 2439

Delta R.T. -0.009 min

Lab File: BG059891.D

Acq: 25 Nov 2023 14:38

Instrument :

BNA_G

ClientSampleId :

SOIL-1-1115

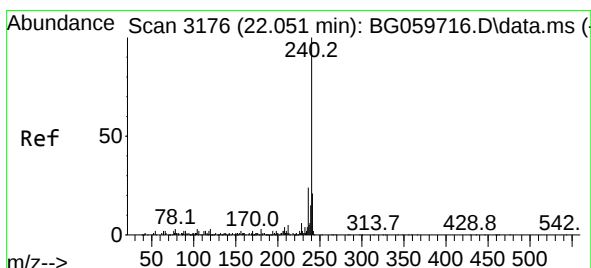
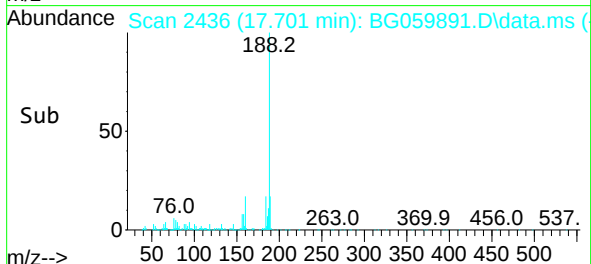
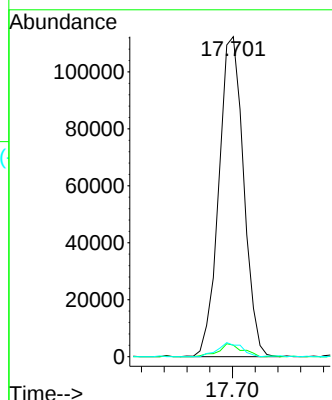
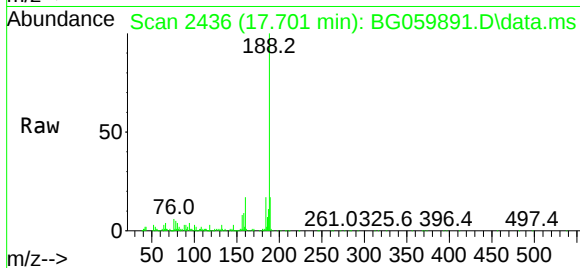
Tgt Ion:188 Resp: 170158

Ion Ratio Lower Upper

188 100

94 3.6 3.0 4.4

80 3.6 4.2 6.4#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.019 min Scan# 3171

Delta R.T. -0.015 min

Lab File: BG059891.D

Acq: 25 Nov 2023 14:38

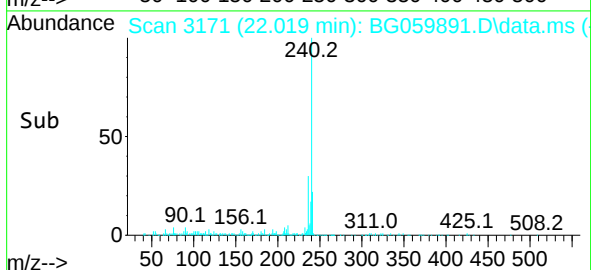
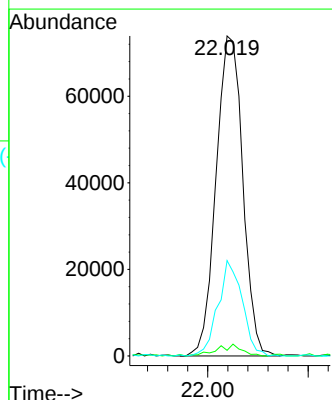
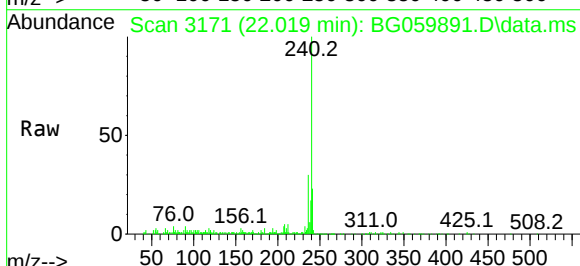
Tgt Ion:240 Resp: 136273

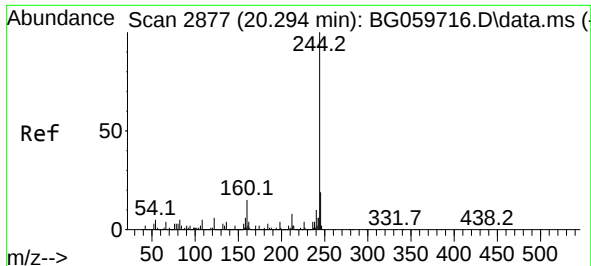
Ion Ratio Lower Upper

240 100

120 2.6 2.2 3.2

236 29.8 19.4 29.2#

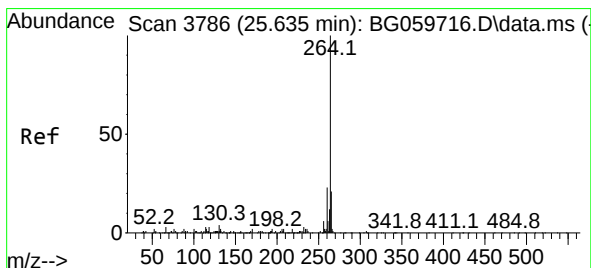
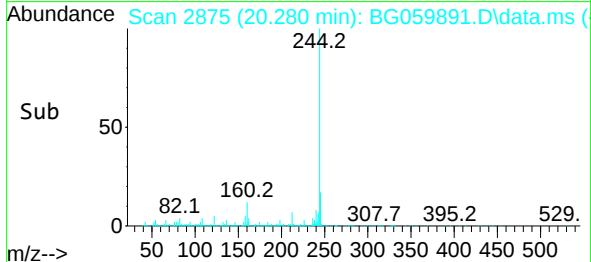
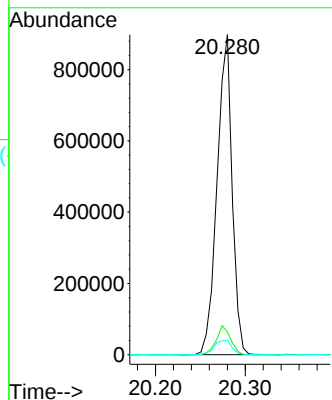
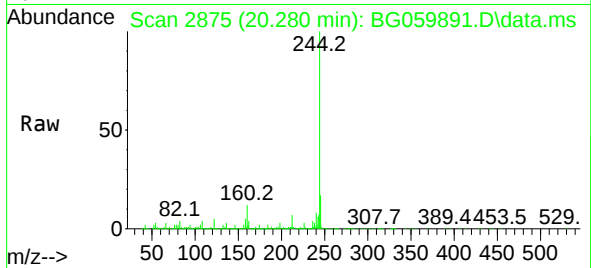




#79
 Terphenyl-d14
 Concen: 113.082 ng
 RT: 20.280 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG059891.D
 Acq: 25 Nov 2023 14:38

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-1-1115

Tgt Ion:244 Resp: 1043864
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.6 10.0
 122 4.6 4.4 6.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.597 min Scan# 3780
 Delta R.T. -0.015 min
 Lab File: BG059891.D
 Acq: 25 Nov 2023 14:38

Tgt Ion:264 Resp: 165320
 Ion Ratio Lower Upper
 264 100
 260 21.4 18.5 27.7
 265 21.2 17.0 25.6

