

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040424\
 Data File : BG060782.D
 Acq On : 4 Apr 2024 17:34
 Operator : MA/JU
 Sample : P1974-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-2

Quant Time: Apr 04 18:05:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 30 03:12:26 2024
 Response via : Initial Calibration

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

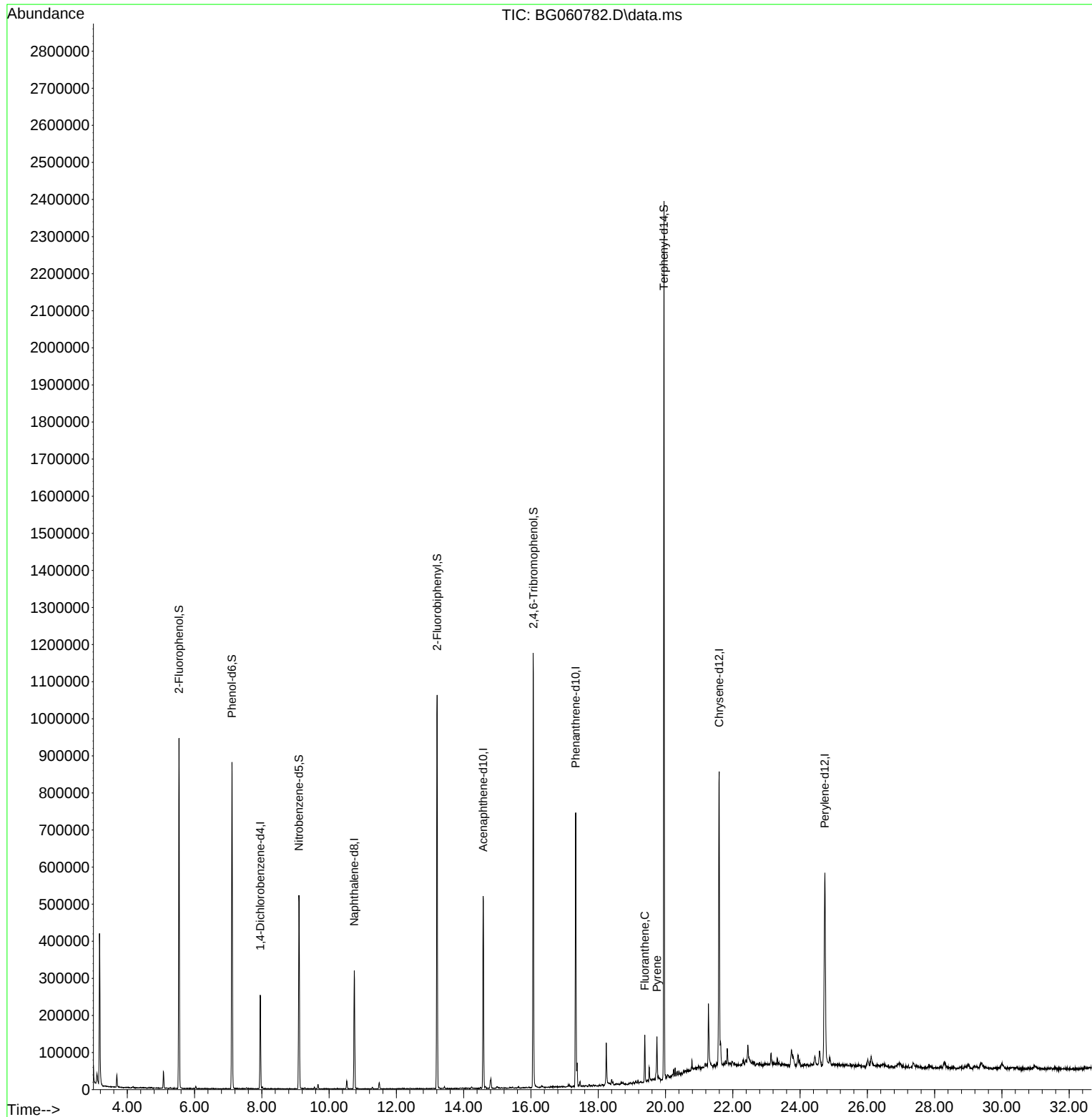
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.952	152	66202	20.000	ng	0.00
21) Naphthalene-d8	10.749	136	254552	20.000	ng	0.00
39) Acenaphthene-d10	14.580	164	194746	20.000	ng	0.00
64) Phenanthrene-d10	17.329	188	470411	20.000	ng	0.00
76) Chrysene-d12	21.595	240	468393	20.000	ng	0.00
86) Perylene-d12	24.738	264	554010	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.537	112	356254	89.647	ng	0.00
7) Phenol-d6	7.112	99	446428	75.680	ng	0.00
23) Nitrobenzene-d5	9.104	82	283271	63.499	ng	0.00
42) 2,4,6-Tribromophenol	16.072	330	227559	102.936	ng	0.00
45) 2-Fluorobiphenyl	13.211	172	561688	42.329	ng	0.00
79) Terphenyl-d14	19.956	244	1175132	44.177	ng	0.00
Target Compounds						
75) Fluoranthene	19.386	202	75320	2.537	ng	96
78) Pyrene	19.744	202	71136	2.172	ng	96

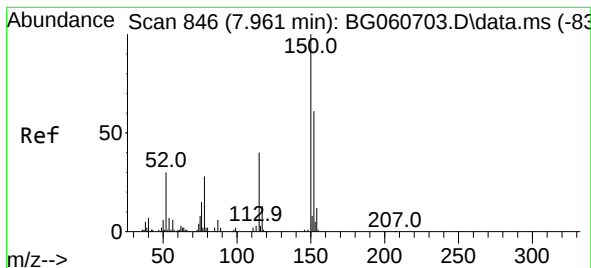
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.952 min Scan# 846

Delta R.T. -0.009 min

Lab File: BG060782.D

Acq: 4 Apr 2024 17:34

Instrument :

BNA_G

ClientSampleId :

SOIL-2

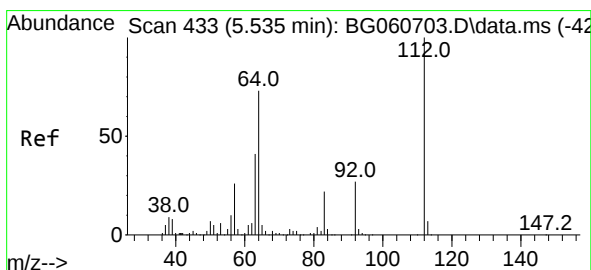
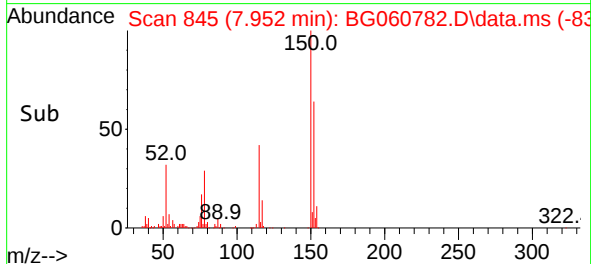
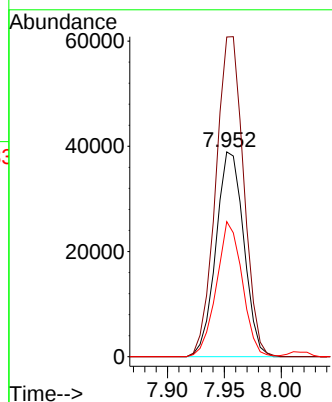
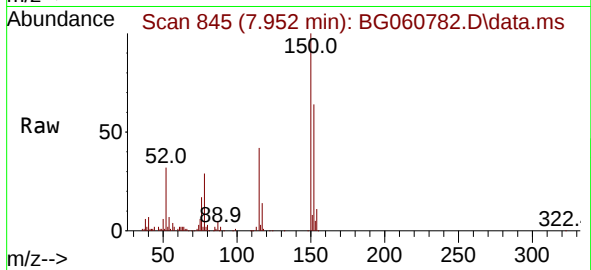
Tgt Ion:152 Resp: 66202

Ion Ratio Lower Upper

152 100

150 156.0 130.2 195.4

115 65.9 51.6 77.4



#5

2-Fluorophenol

Concen: 89.647 ng

RT: 5.537 min Scan# 434

Delta R.T. 0.002 min

Lab File: BG060782.D

Acq: 4 Apr 2024 17:34

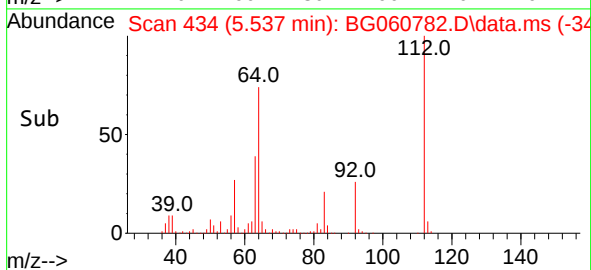
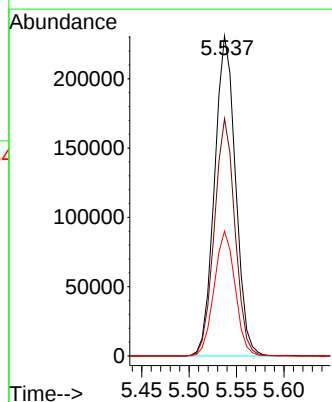
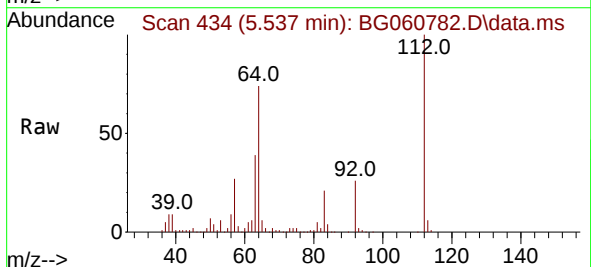
Tgt Ion:112 Resp: 356254

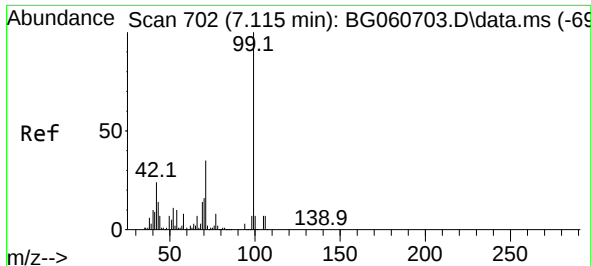
Ion Ratio Lower Upper

112 100

64 74.1 58.4 87.6

63 39.0 32.7 49.1

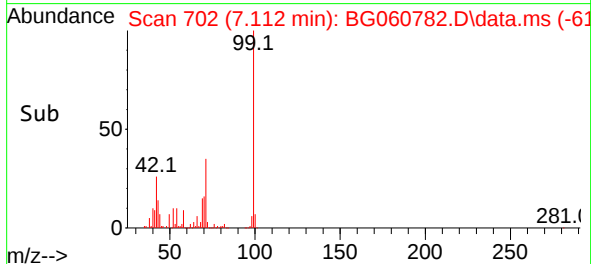
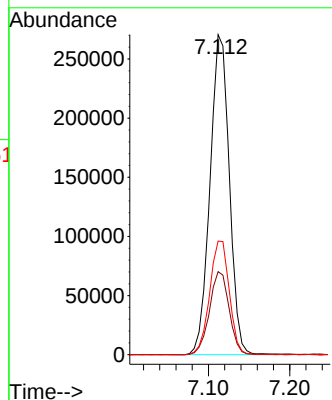
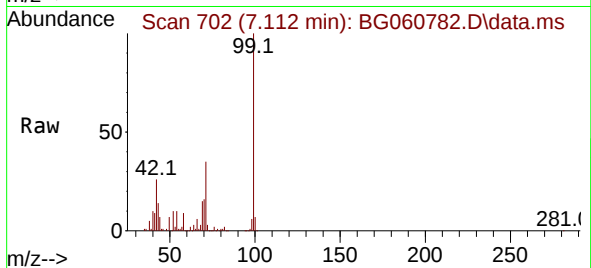




#7
Phenol-d6
Concen: 75.680 ng
RT: 7.112 min Scan# 702
Delta R.T. -0.004 min
Lab File: BG060782.D
Acq: 4 Apr 2024 17:34

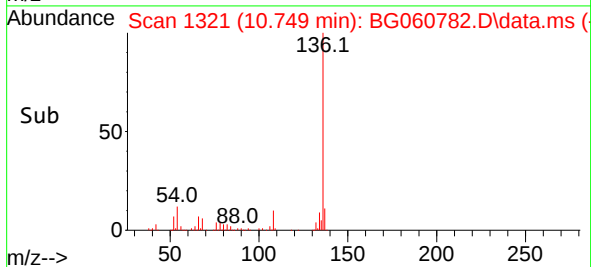
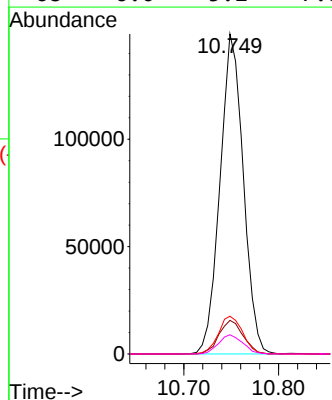
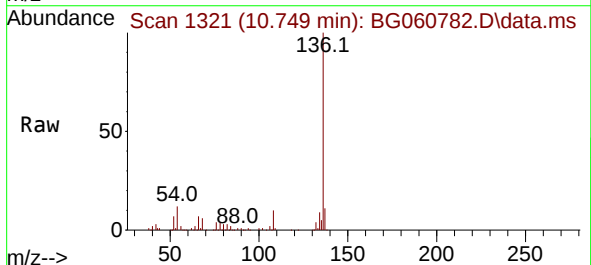
Instrument :
BNA_G
ClientSampleId :
SOIL-2

Tgt Ion: 99 Resp: 446428
Ion Ratio Lower Upper
99 100
42 25.9 19.4 29.2
71 35.5 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.749 min Scan# 1321
Delta R.T. -0.009 min
Lab File: BG060782.D
Acq: 4 Apr 2024 17:34

Tgt Ion:136 Resp: 254552
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 11.8 10.2 15.2
68 6.0 5.2 7.8





#23

Nitrobenzene-d5

Concen: 63.499 ng

RT: 9.104 min Scan# 1042

Delta R.T. -0.009 min

Lab File: BG060782.D

Acq: 4 Apr 2024 17:34

Instrument :

BNA_G

ClientSampleId :

SOIL-2

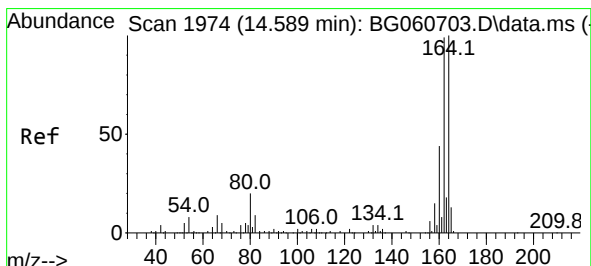
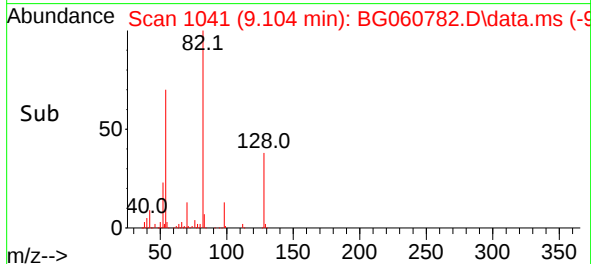
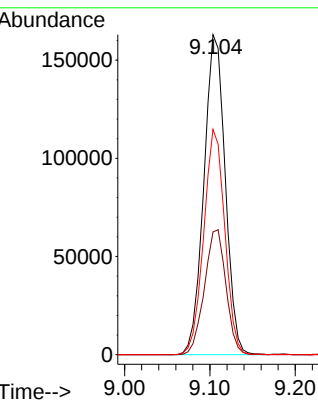
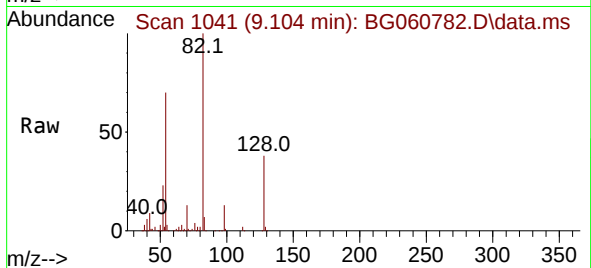
Tgt Ion: 82 Resp: 283271

Ion Ratio Lower Upper

82 100

128 38.3 31.2 46.8

54 70.4 53.2 79.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.580 min Scan# 1973

Delta R.T. -0.009 min

Lab File: BG060782.D

Acq: 4 Apr 2024 17:34

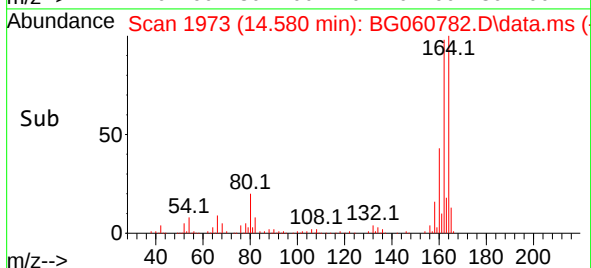
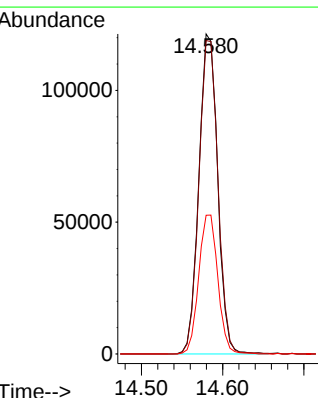
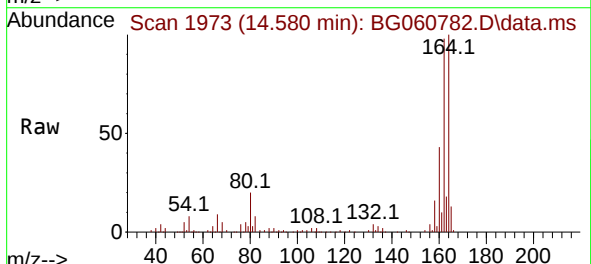
Tgt Ion:164 Resp: 194746

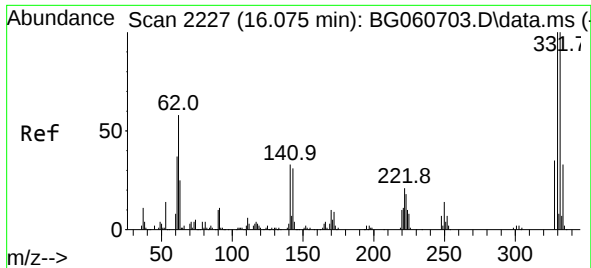
Ion Ratio Lower Upper

164 100

162 98.0 79.5 119.3

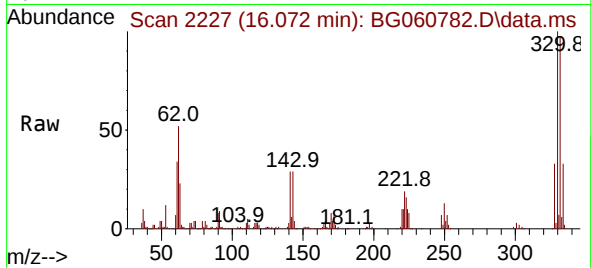
160 43.4 35.4 53.0



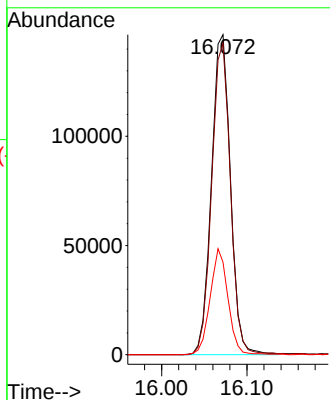
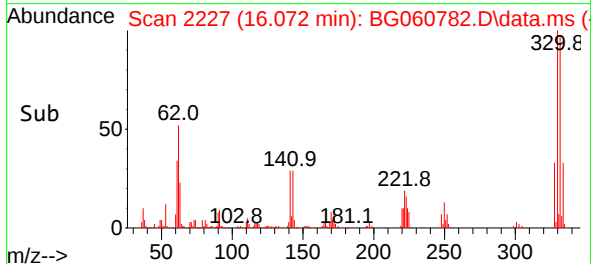


#42
2,4,6-Tribromophenol
Concen: 102.936 ng
RT: 16.072 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG060782.D
Acq: 4 Apr 2024 17:34

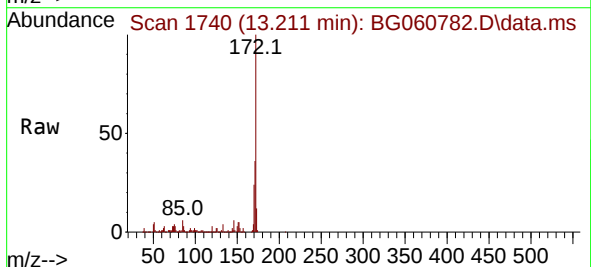
Instrument :
BNA_G
ClientSampleId :
SOIL-2



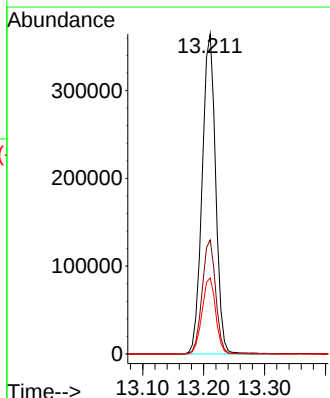
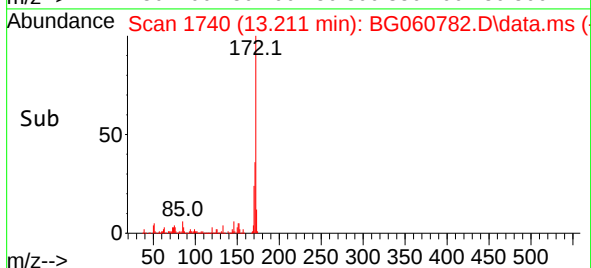
Tgt Ion:330 Resp: 227559
Ion Ratio Lower Upper
330 100
332 95.9 78.2 117.4
141 31.1 27.0 40.6

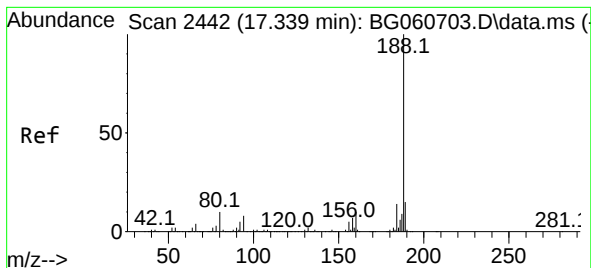


#45
2-Fluorobiphenyl
Concen: 42.329 ng
RT: 13.211 min Scan# 1740
Delta R.T. -0.009 min
Lab File: BG060782.D
Acq: 4 Apr 2024 17:34



Tgt Ion:172 Resp: 561688
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 23.8 19.4 29.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.329 min Scan# 2441

Delta R.T. -0.009 min

Lab File: BG060782.D

Acq: 4 Apr 2024 17:34

Instrument :

BNA_G

ClientSampleId :

SOIL-2

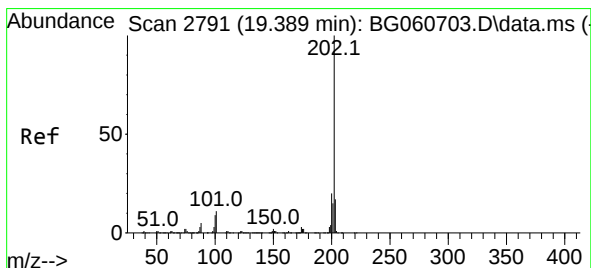
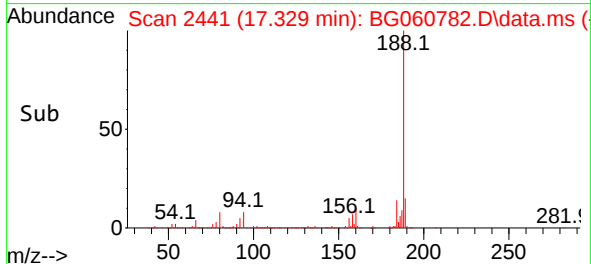
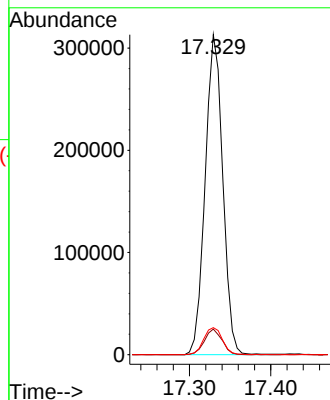
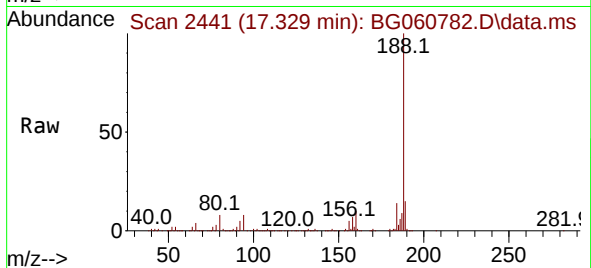
Tgt Ion:188 Resp: 470411

Ion Ratio Lower Upper

188 100

94 8.0 6.6 9.8

80 8.5 7.6 11.4



#75

Fluoranthene

Concen: 2.537 ng

RT: 19.386 min Scan# 2791

Delta R.T. -0.004 min

Lab File: BG060782.D

Acq: 4 Apr 2024 17:34

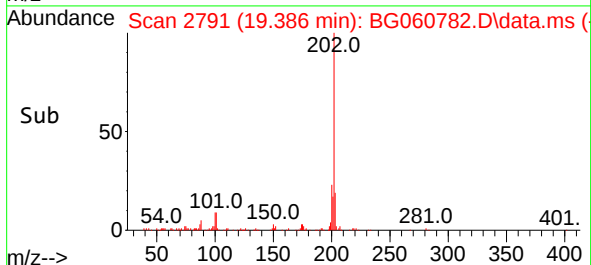
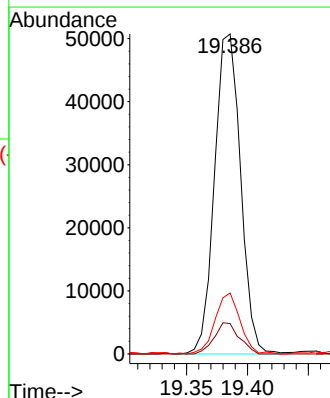
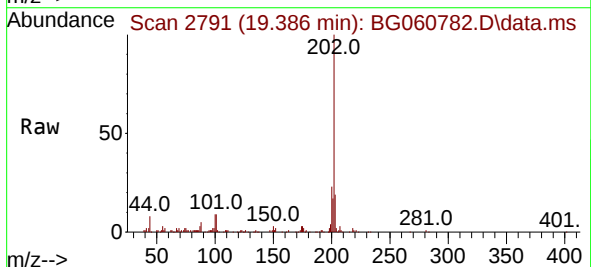
Tgt Ion:202 Resp: 75320

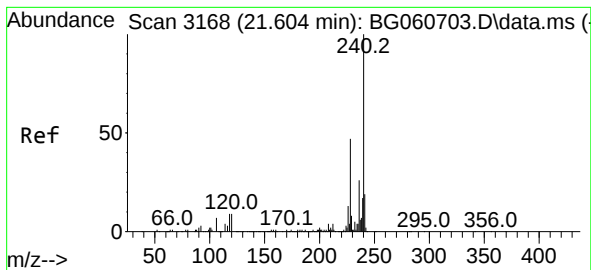
Ion Ratio Lower Upper

202 100

101 9.5 0.0 30.8

203 19.1 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.595 min Scan# 3167

Delta R.T. -0.009 min

Lab File: BG060782.D

Acq: 4 Apr 2024 17:34

Instrument :

BNA_G

ClientSampleId :

SOIL-2

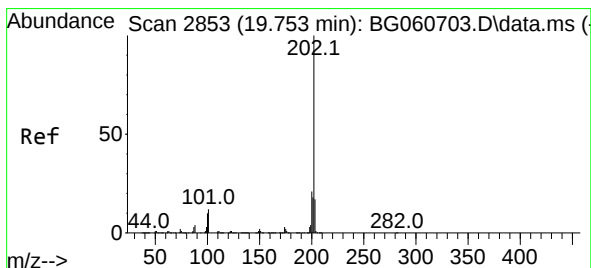
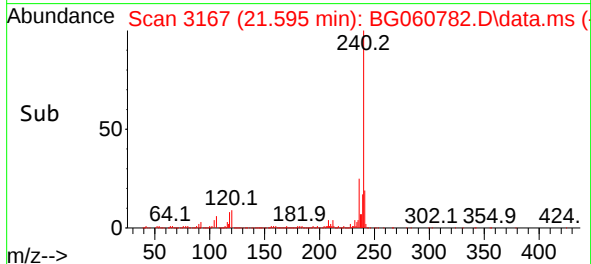
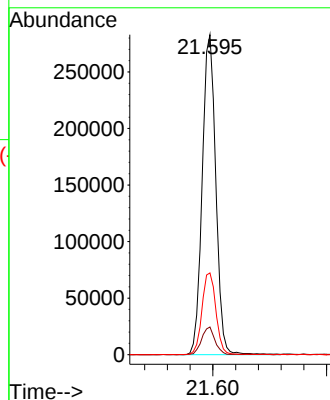
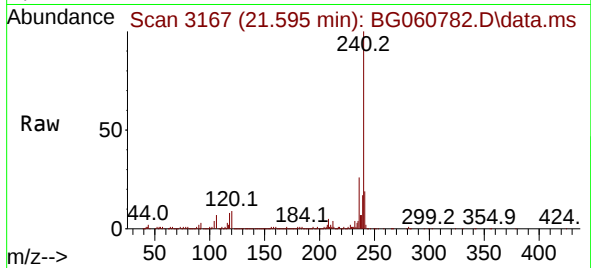
Tgt Ion:240 Resp: 468393

Ion Ratio Lower Upper

240 100

120 8.6 7.1 10.7

236 25.6 20.7 31.1



#78

Pyrene

Concen: 2.172 ng

RT: 19.744 min Scan# 2852

Delta R.T. -0.009 min

Lab File: BG060782.D

Acq: 4 Apr 2024 17:34

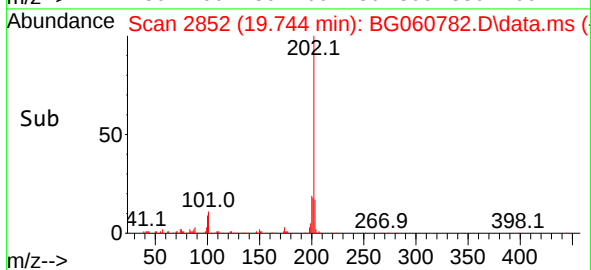
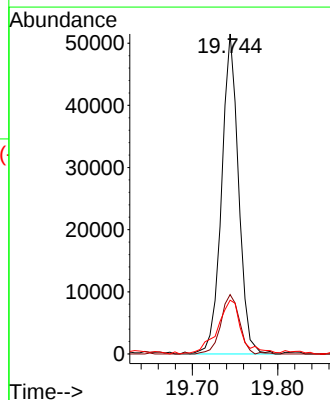
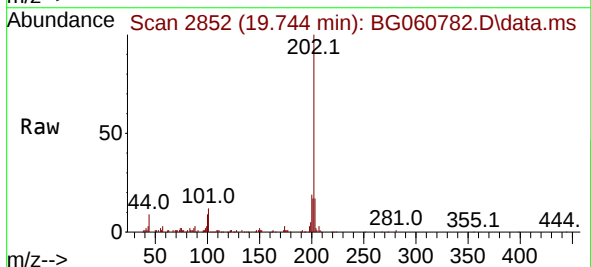
Tgt Ion:202 Resp: 71136

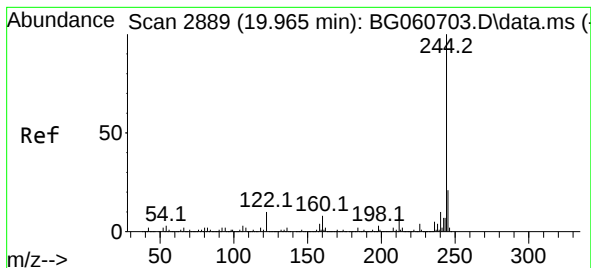
Ion Ratio Lower Upper

202 100

200 18.5 17.0 25.4

203 16.8 14.0 21.0





#79

Terphenyl-d14

Concen: 44.177 ng

RT: 19.956 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG060782.D

Acq: 4 Apr 2024 17:34

Instrument :

BNA_G

ClientSampleId :

SOIL-2

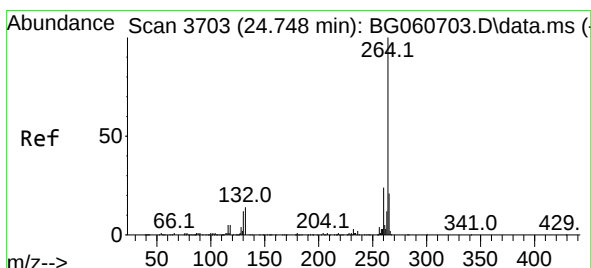
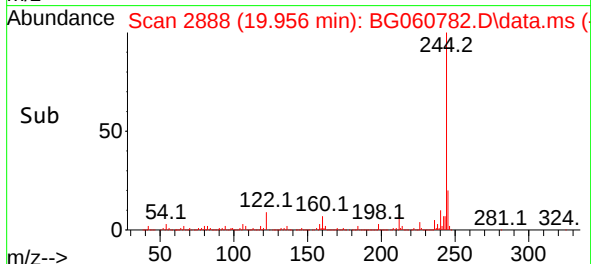
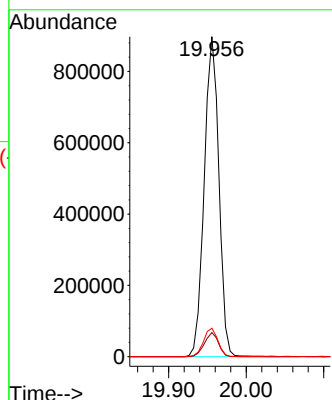
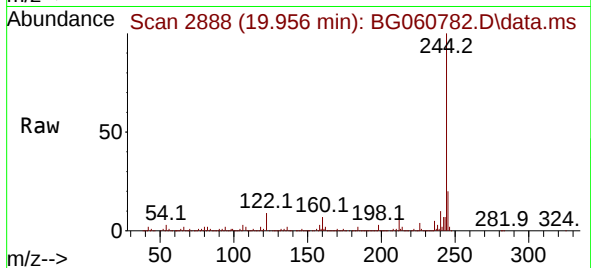
Tgt Ion:244 Resp: 1175132

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

122 8.9 7.8 11.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.738 min Scan# 3702

Delta R.T. -0.009 min

Lab File: BG060782.D

Acq: 4 Apr 2024 17:34

Tgt Ion:264 Resp: 554010

Ion Ratio Lower Upper

264 100

260 23.1 19.5 29.3

265 21.2 16.9 25.3

