

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040524\
 Data File : BG060790.D
 Acq On : 5 Apr 2024 10:58
 Operator : MA/JU
 Sample : P1974-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-2

Quant Time: Apr 05 11:40:31 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	7.955	152	62014	20.000	ng	0.00
21) Naphthalene-d8	10.752	136	228371	20.000	ng	0.00
39) Acenaphthene-d10	14.588	164	173800	20.000	ng	0.00
64) Phenanthrene-d10	17.332	188	442178	20.000	ng	0.00
76) Chrysene-d12	21.592	240	433950	20.000	ng	-0.01
86) Perylene-d12	24.735	264	405752	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	464236	124.708	ng	0.00
7) Phenol-d6	7.121	99	561365	101.591	ng	0.00
23) Nitrobenzene-d5	9.113	82	448003	111.940	ng	0.00
42) 2,4,6-Tribromophenol	16.075	330	361835	183.402	ng	0.00
45) 2-Fluorobiphenyl	13.214	172	1033804	87.298	ng	0.00
79) Terphenyl-d14	19.959	244	2149427	87.217	ng	0.00

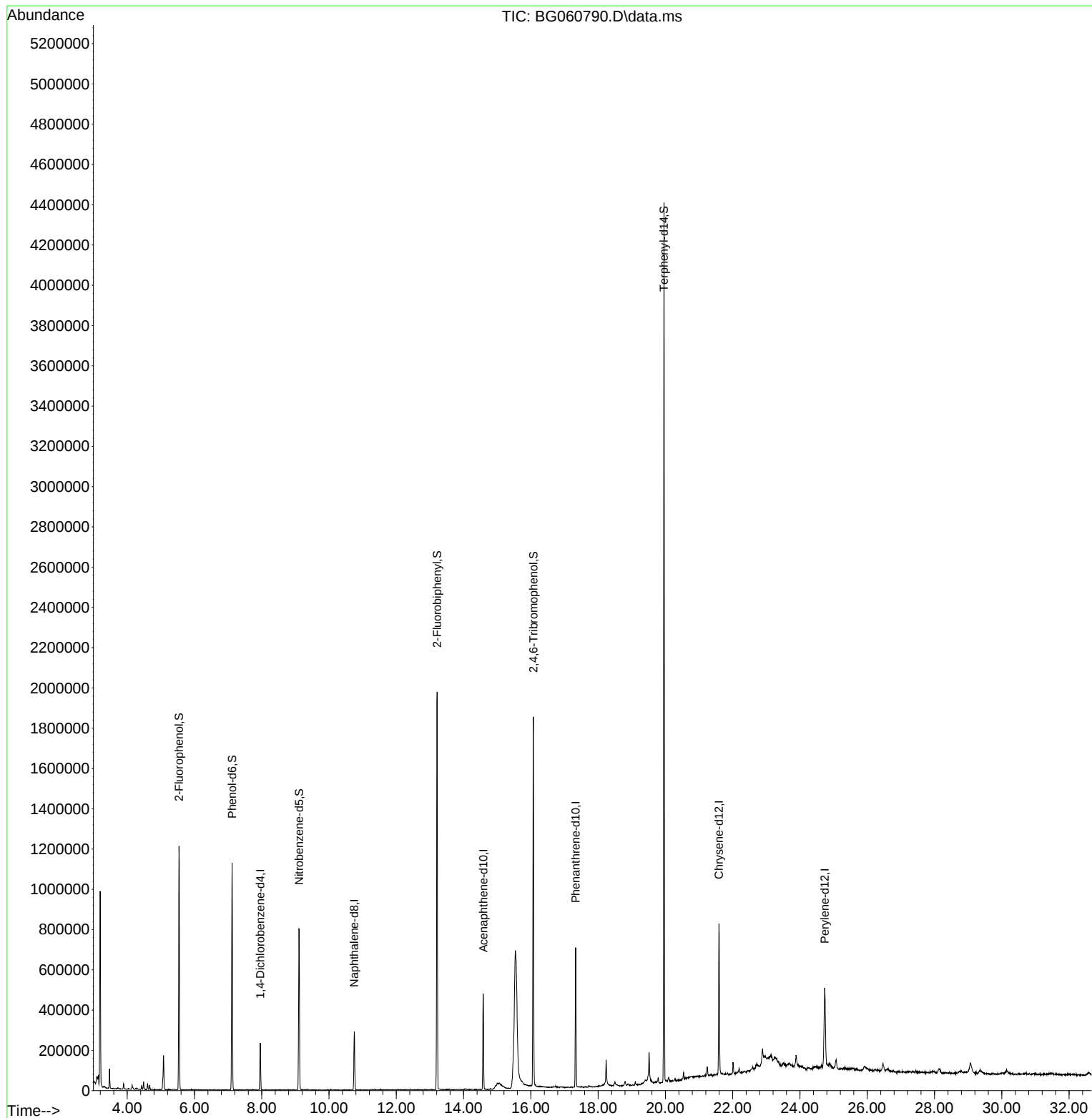
Target Compounds	Qvalue

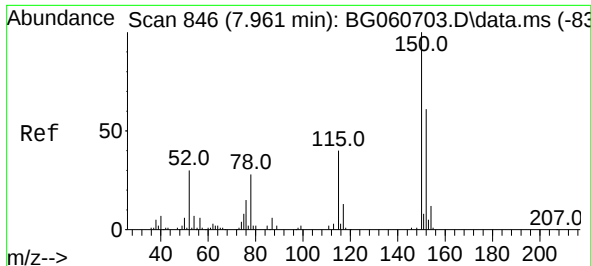
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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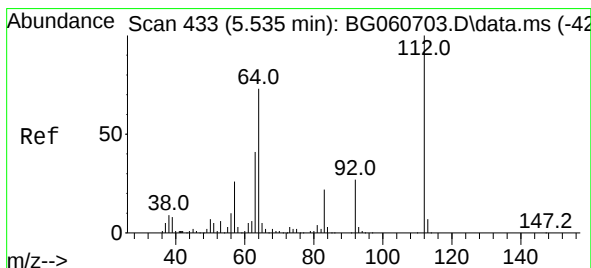
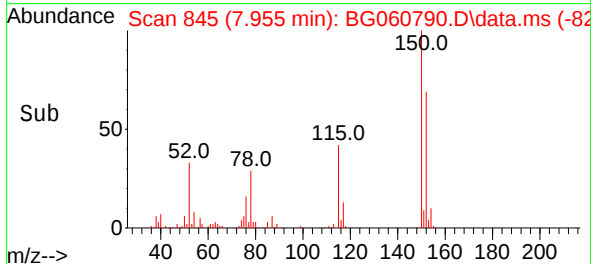
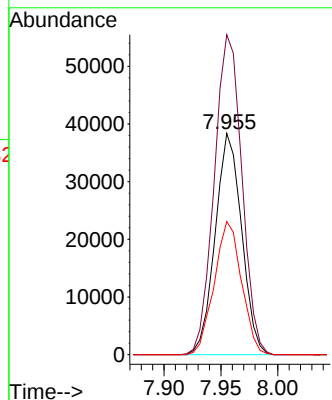
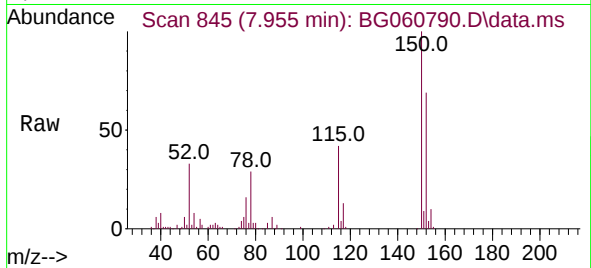




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.955 min Scan# 846
Delta R.T. -0.006 min
Lab File: BG060790.D
Acq: 5 Apr 2024 10:58

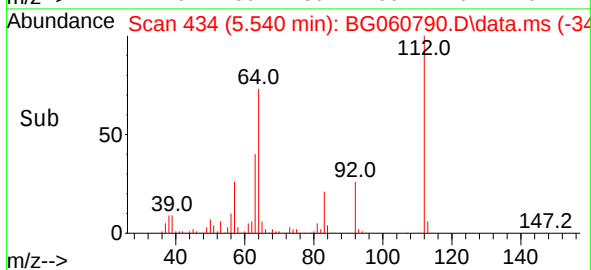
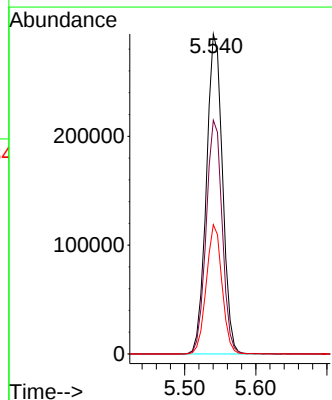
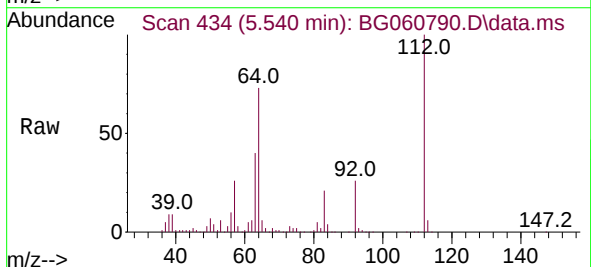
Instrument :
BNA_G
ClientSampleId :
SOIL-2

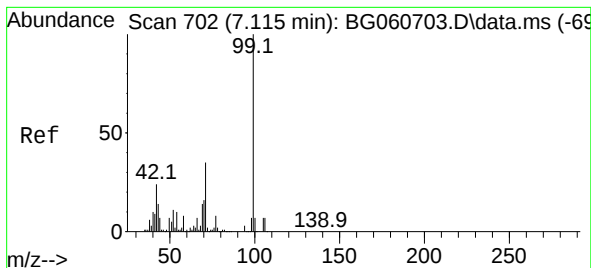
Tgt Ion:152 Resp: 62014
Ion Ratio Lower Upper
152 100
150 144.6 130.2 195.4
115 60.1 51.6 77.4



#5
2-Fluorophenol
Concen: 124.708 ng
RT: 5.540 min Scan# 434
Delta R.T. 0.005 min
Lab File: BG060790.D
Acq: 5 Apr 2024 10:58

Tgt Ion:112 Resp: 464236
Ion Ratio Lower Upper
112 100
64 73.1 58.4 87.6
63 40.4 32.7 49.1





#7

Phenol-d6

Concen: 101.591 ng

RT: 7.121 min Scan# 703

Delta R.T. 0.005 min

Lab File: BG060790.D

Acq: 5 Apr 2024 10:58

Instrument :

BNA_G

ClientSampleId :

SOIL-2

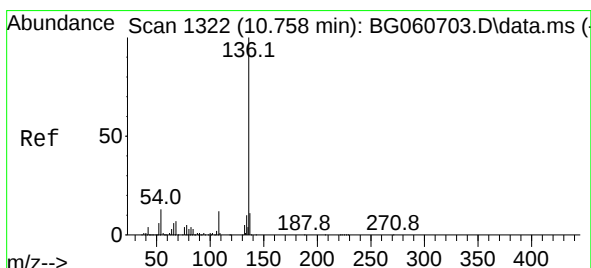
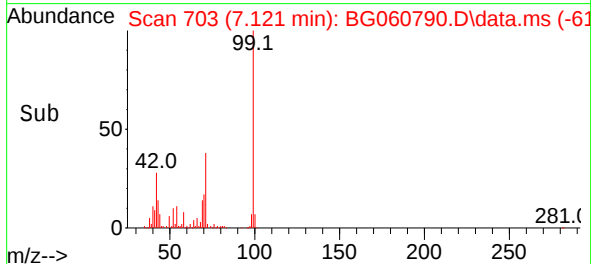
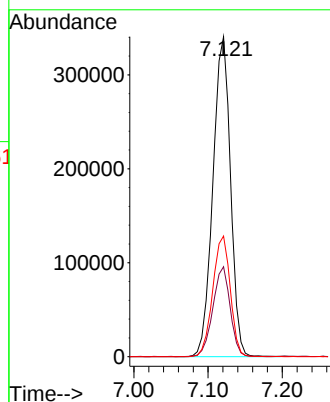
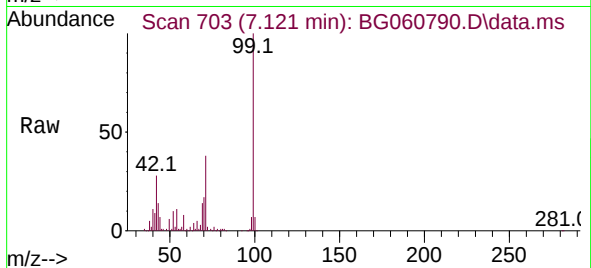
Tgt Ion: 99 Resp: 561365

Ion Ratio Lower Upper

99 100

42 28.1 19.4 29.2

71 37.7 28.2 42.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.752 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BG060790.D

Acq: 5 Apr 2024 10:58

Tgt Ion:136 Resp: 228371

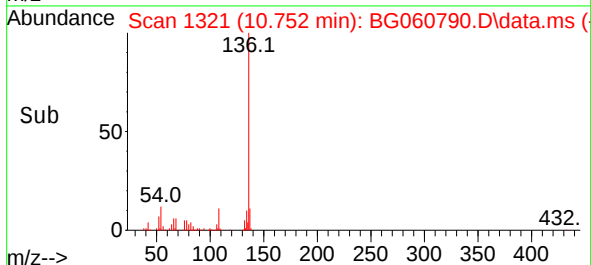
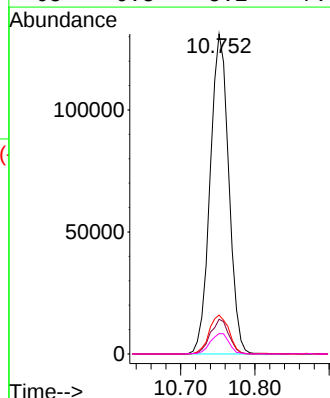
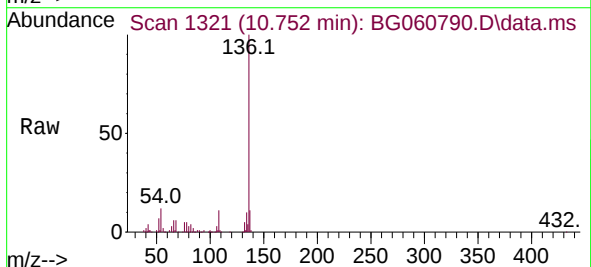
Ion Ratio Lower Upper

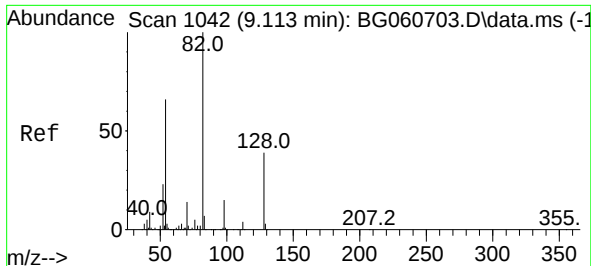
136 100

137 10.9 8.8 13.2

54 12.2 10.2 15.2

68 6.3 5.2 7.8





#23

Nitrobenzene-d5

Concen: 111.940 ng

RT: 9.113 min Scan# 1

Delta R.T. -0.000 min

Lab File: BG060790.D

Acq: 5 Apr 2024 10:58

Instrument :

BNA_G

ClientSampleId :

SOIL-2

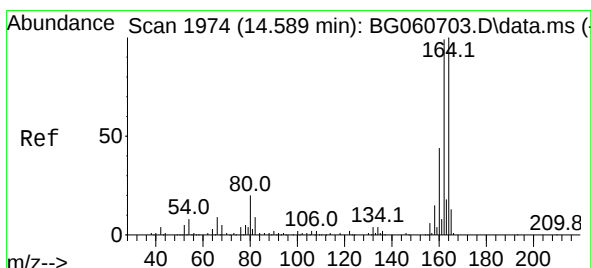
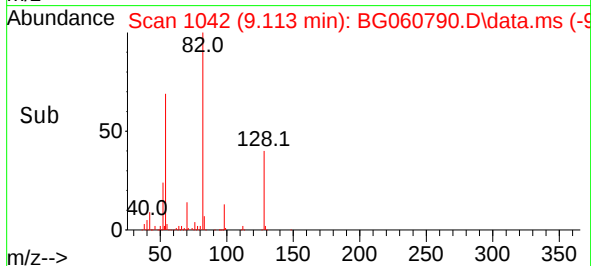
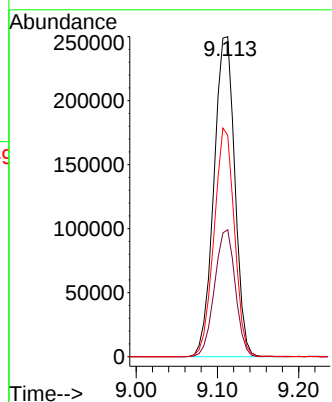
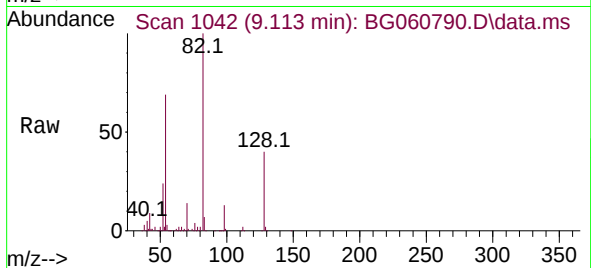
Tgt Ion: 82 Resp: 448003

Ion Ratio Lower Upper

82 100

128 39.7 31.2 46.8

54 69.2 53.2 79.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.588 min Scan# 1974

Delta R.T. -0.001 min

Lab File: BG060790.D

Acq: 5 Apr 2024 10:58

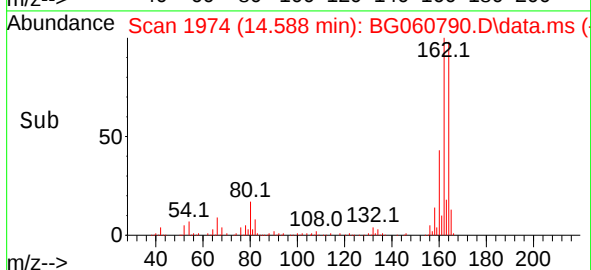
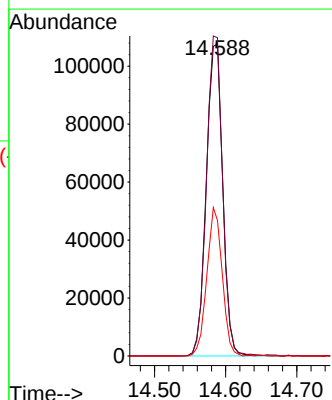
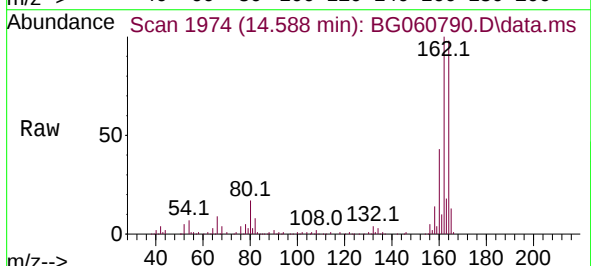
Tgt Ion:164 Resp: 173800

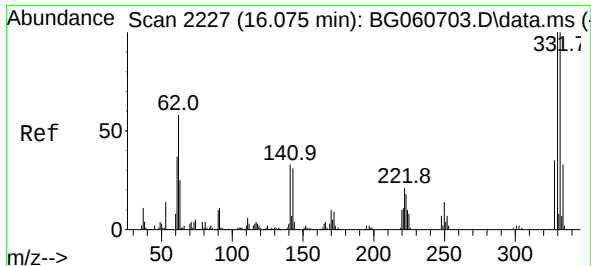
Ion Ratio Lower Upper

164 100

162 101.9 79.5 119.3

160 43.4 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 183.402 ng

RT: 16.075 min Scan# 21

Delta R.T. -0.000 min

Lab File: BG060790.D

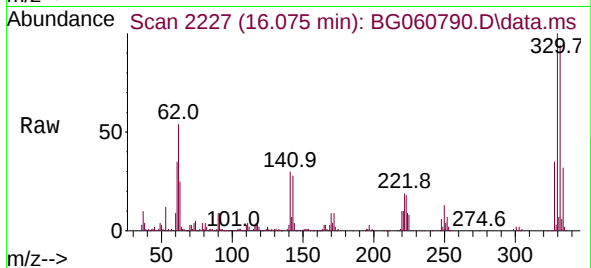
Acq: 5 Apr 2024 10:58

Instrument :

BNA_G

ClientSampleId :

SOIL-2



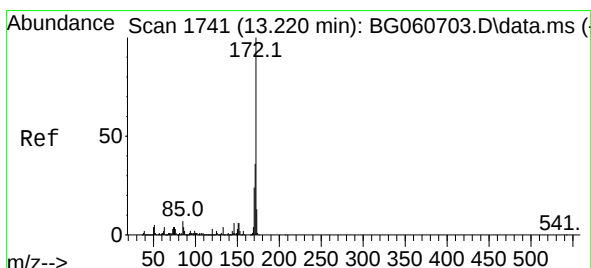
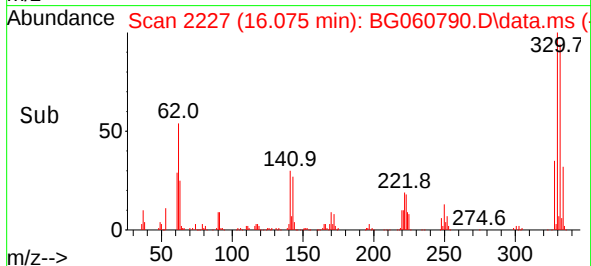
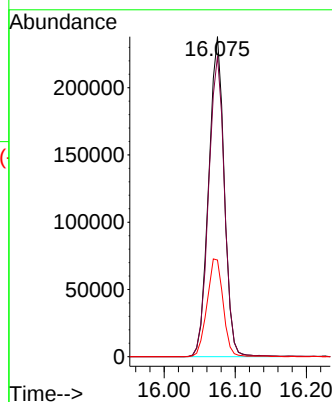
Tgt Ion:330 Resp: 361835

Ion Ratio Lower Upper

330 100

332 96.1 78.2 117.4

141 31.8 27.0 40.6



#45

2-Fluorobiphenyl

Concen: 87.298 ng

RT: 13.214 min Scan# 1740

Delta R.T. -0.006 min

Lab File: BG060790.D

Acq: 5 Apr 2024 10:58

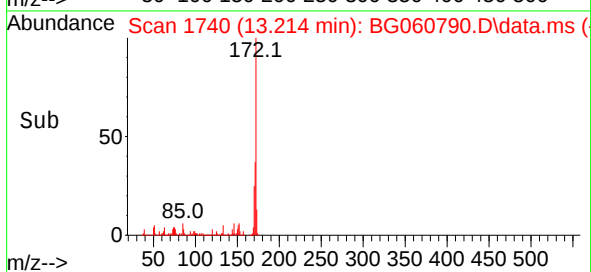
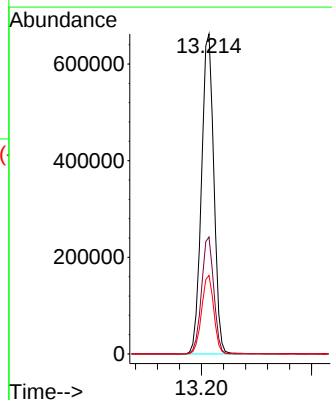
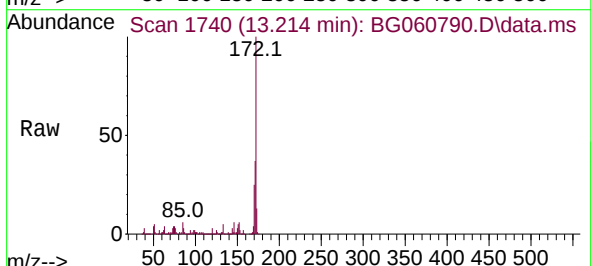
Tgt Ion:172 Resp: 1033804

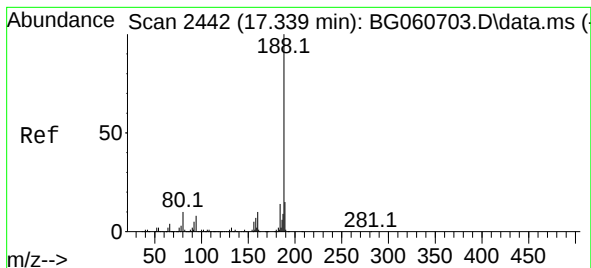
Ion Ratio Lower Upper

172 100

171 36.5 28.7 43.1

170 24.5 19.4 29.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.332 min Scan# 2441

Delta R.T. -0.006 min

Lab File: BG060790.D

Acq: 5 Apr 2024 10:58

Instrument :

BNA_G

ClientSampleId :

SOIL-2

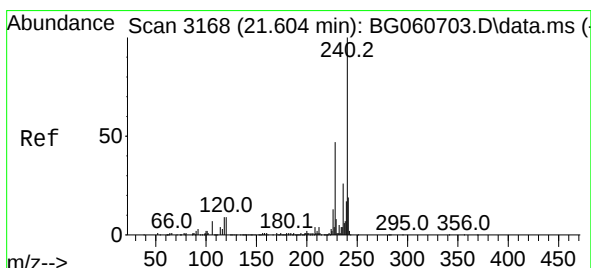
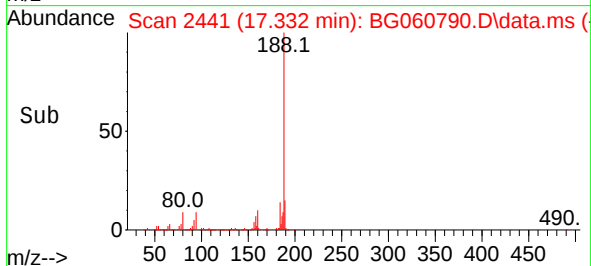
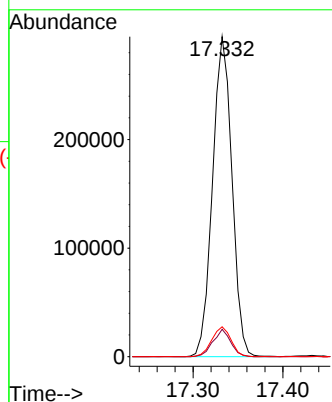
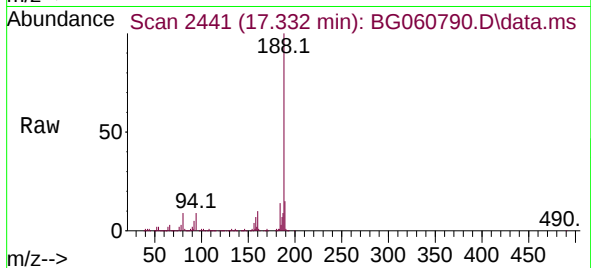
Tgt Ion:188 Resp: 442178

Ion Ratio Lower Upper

188 100

94 8.6 6.6 9.8

80 9.3 7.6 11.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.592 min Scan# 3166

Delta R.T. -0.012 min

Lab File: BG060790.D

Acq: 5 Apr 2024 10:58

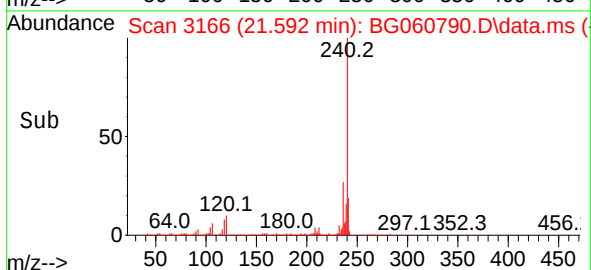
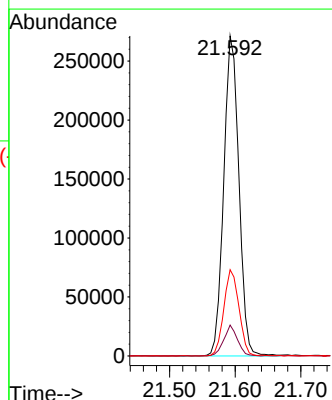
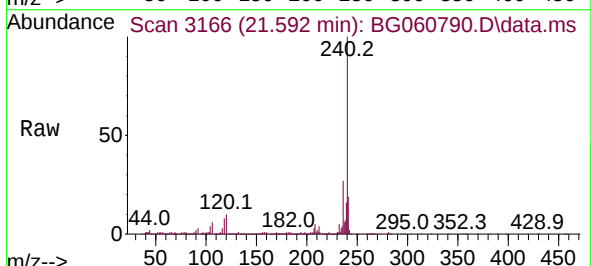
Tgt Ion:240 Resp: 433950

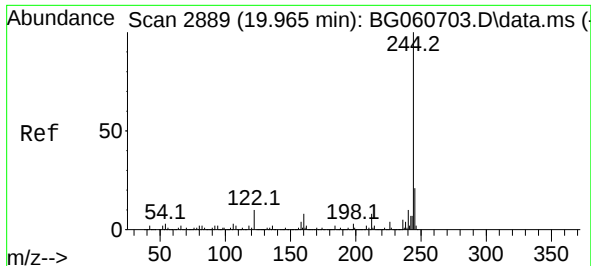
Ion Ratio Lower Upper

240 100

120 9.7 7.1 10.7

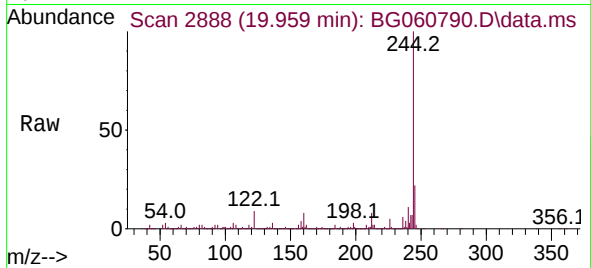
236 26.9 20.7 31.1



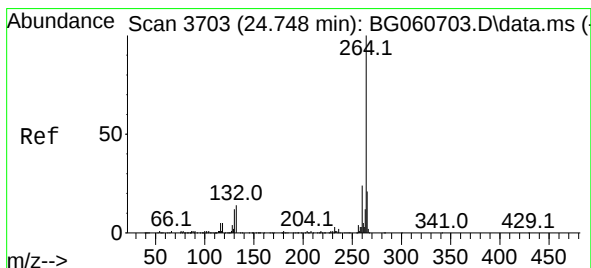
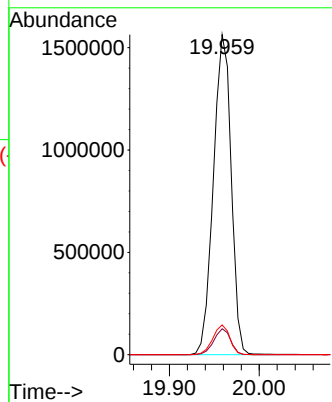
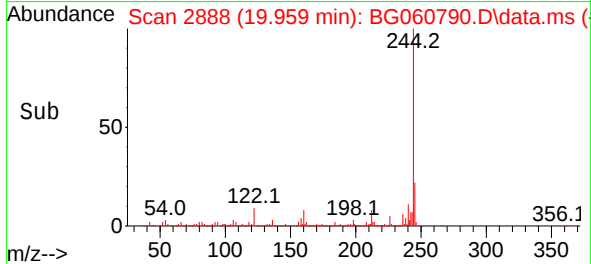


#79
 Terphenyl-d14
 Concen: 87.217 ng
 RT: 19.959 min Scan# 2149427
 Delta R.T. -0.006 min
 Lab File: BG060790.D
 Acq: 5 Apr 2024 10:58

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-2



Tgt Ion:244 Resp: 2149427
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.2 9.2
 122 9.3 7.8 11.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.735 min Scan# 3701
 Delta R.T. -0.012 min
 Lab File: BG060790.D
 Acq: 5 Apr 2024 10:58

Tgt Ion:264 Resp: 405752
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.5 29.3
 265 21.2 16.9 25.3

