

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050824\
 Data File : BG061141.D
 Acq On : 8 May 2024 14:23
 Operator : MA/JU
 Sample : P2404-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TOP-SOIL-2

Quant Time: May 08 15:01:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	26700	20.000	ng	-0.03
21) Naphthalene-d8	10.725	136	101852	20.000	ng	#-0.03
39) Acenaphthene-d10	14.561	164	79837	20.000	ng	-0.03
64) Phenanthrene-d10	17.311	188	180495	20.000	ng	-0.02
76) Chrysene-d12	21.571	240	173618	20.000	ng	-0.02
86) Perylene-d12	24.697	264	211919	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.531	112	113118	86.162	ng	-0.02
7) Phenol-d6	7.111	99	156301	80.479	ng	-0.02
23) Nitrobenzene-d5	9.091	82	112447	54.729	ng	-0.03
42) 2,4,6-Tribromophenol	16.054	330	115006	72.068	ng	-0.02
45) 2-Fluorobiphenyl	13.187	172	286503	53.065	ng	-0.02
79) Terphenyl-d14	19.932	244	502003	48.088	ng	-0.02

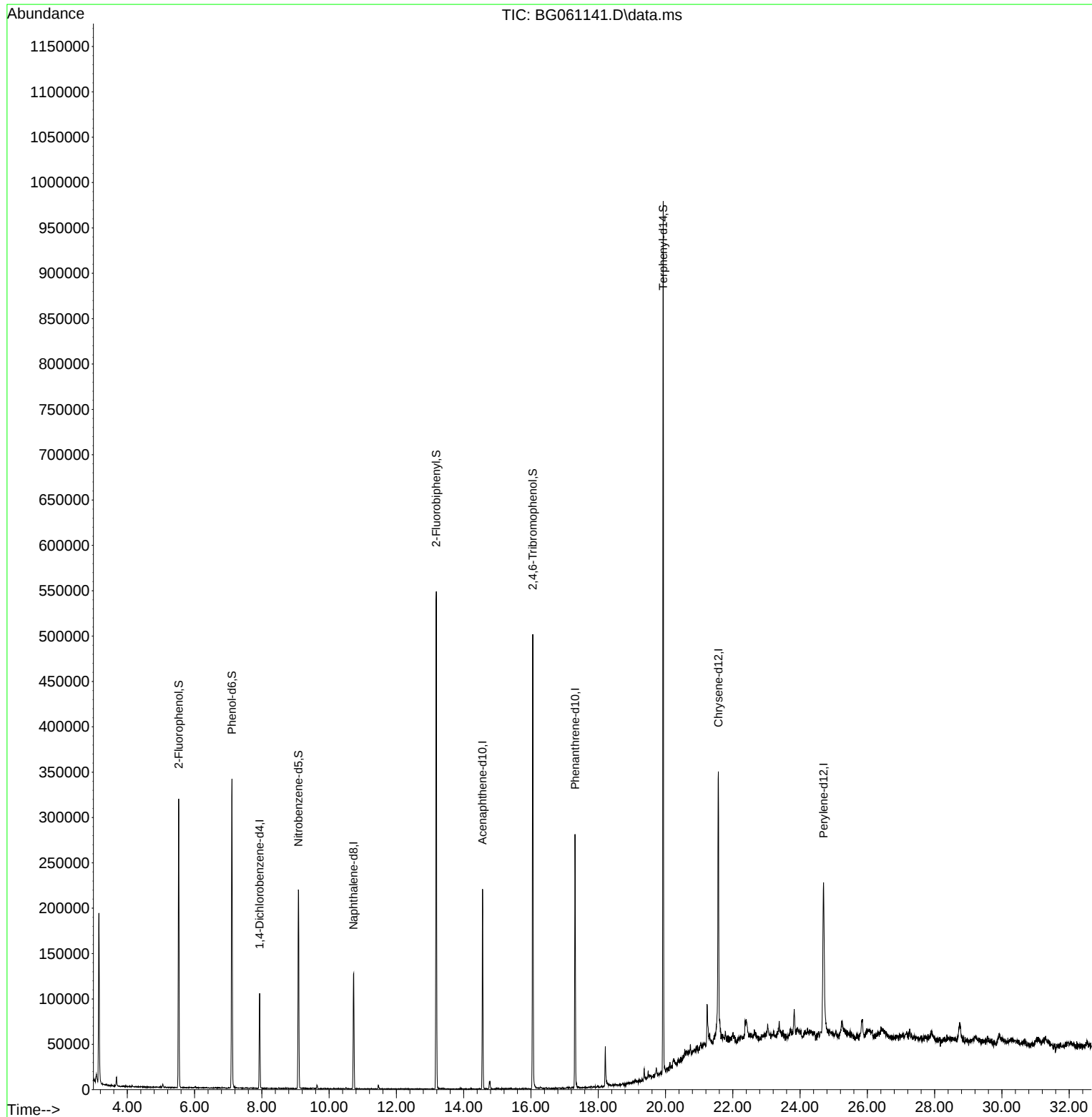
Target Compounds	Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050824\
Data File : BG061141.D
Acq On : 8 May 2024 14:23
Operator : MA/JU
Sample : P2404-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-2

Quant Time: May 08 15:01:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration

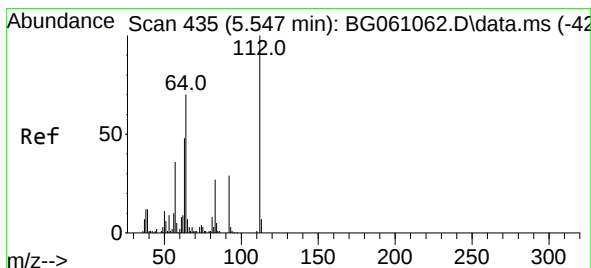
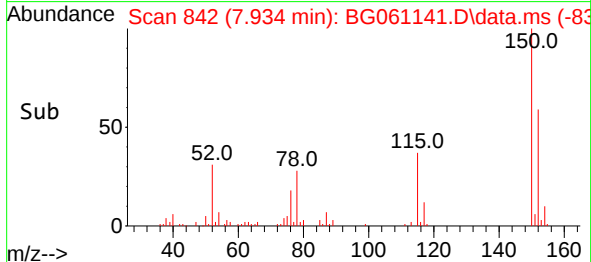
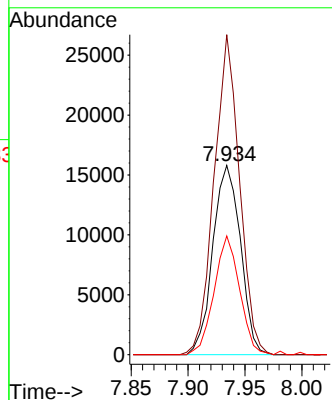
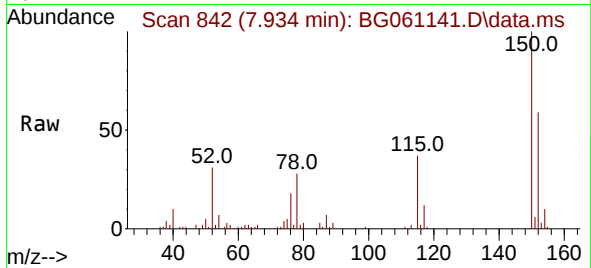




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.934 min Scan# 846
Delta R.T. -0.027 min
Lab File: BG061141.D
Acq: 8 May 2024 14:23

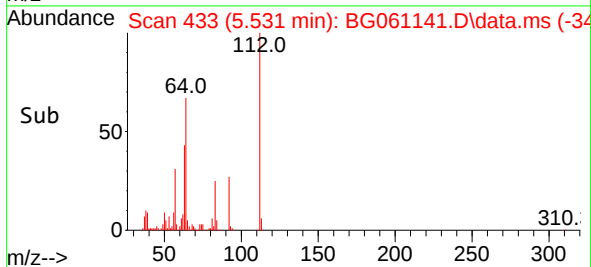
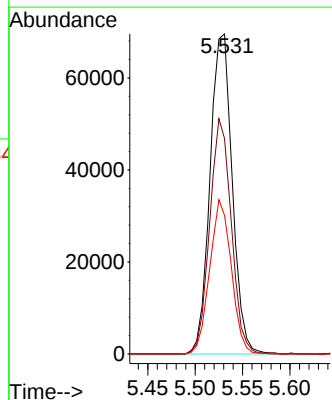
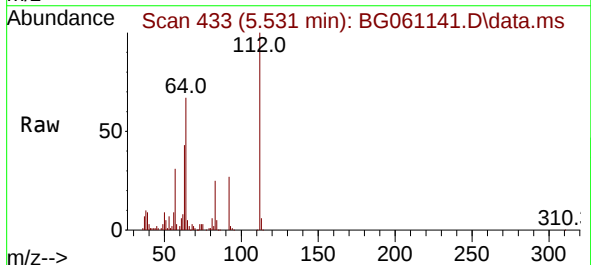
Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-2

Tgt Ion:152 Resp: 26700
Ion Ratio Lower Upper
152 100
150 169.1 138.3 207.5
115 62.8 48.0 72.0



#5
2-Fluorophenol
Concen: 86.162 ng
RT: 5.531 min Scan# 433
Delta R.T. -0.016 min
Lab File: BG061141.D
Acq: 8 May 2024 14:23

Tgt Ion:112 Resp: 113118
Ion Ratio Lower Upper
112 100
64 67.4 55.7 83.5
63 43.3 38.1 57.1

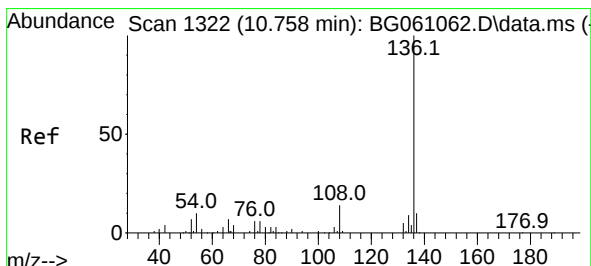
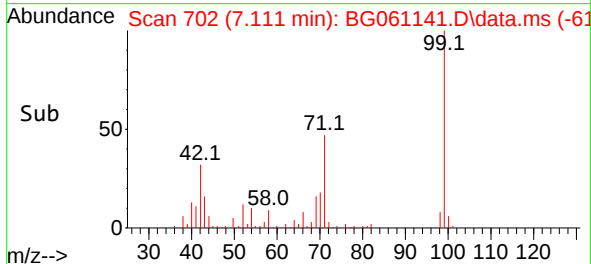
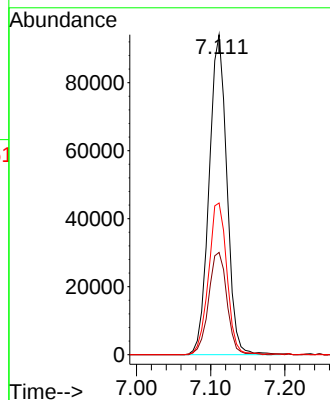
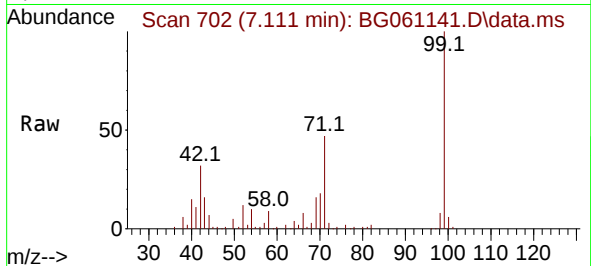




#7
Phenol-d6
Concen: 80.479 ng
RT: 7.111 min Scan# 705
Delta R.T. -0.022 min
Lab File: BG061141.D
Acq: 8 May 2024 14:23

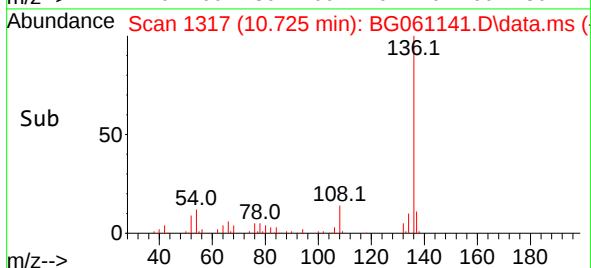
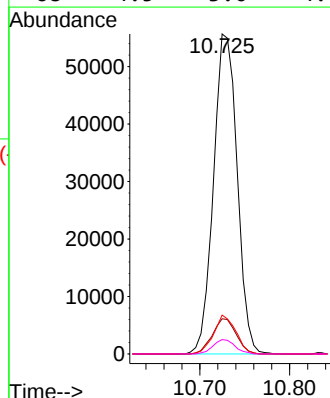
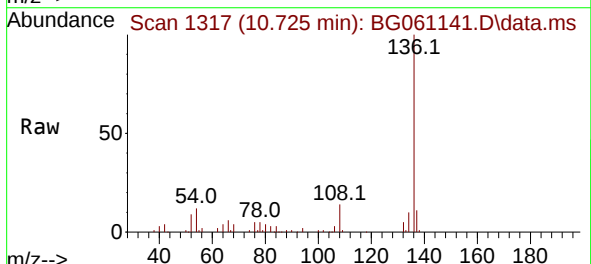
Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-2

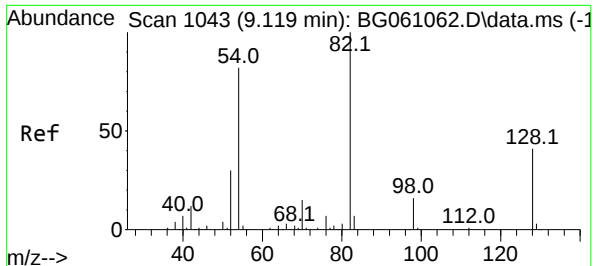
Tgt Ion: 99 Resp: 156301
Ion Ratio Lower Upper
99 100
42 32.0 29.2 43.8
71 47.4 39.7 59.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.725 min Scan# 1317
Delta R.T. -0.033 min
Lab File: BG061141.D
Acq: 8 May 2024 14:23

Tgt Ion:136 Resp: 101852
Ion Ratio Lower Upper
136 100
137 11.0 7.8 11.6
54 12.2 8.1 12.1#
68 4.5 3.0 4.4#





#23

Nitrobenzene-d5

Concen: 54.729 ng

RT: 9.091 min Scan# 1043

Delta R.T. -0.027 min

Lab File: BG061141.D

Acq: 8 May 2024 14:23

Instrument :

BNA_G

ClientSampleId :

TOP-SOIL-2

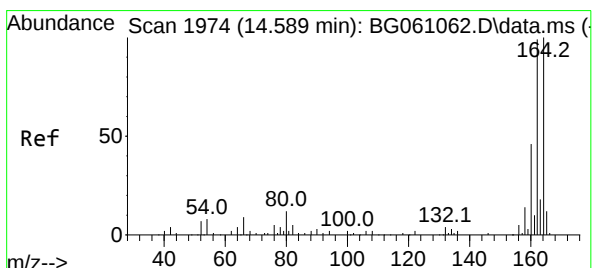
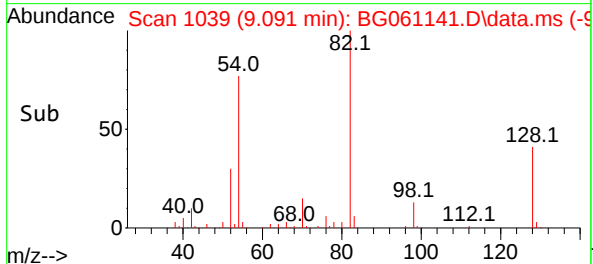
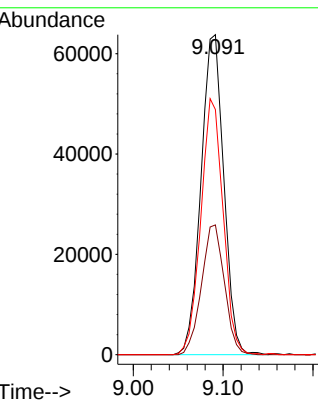
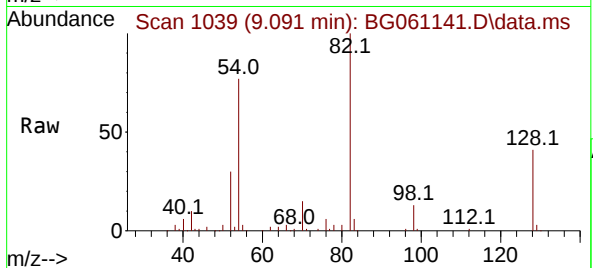
Tgt Ion: 82 Resp: 112447

Ion Ratio Lower Upper

82 100

128 40.6 32.7 49.1

54 76.6 65.6 98.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.561 min Scan# 1970

Delta R.T. -0.027 min

Lab File: BG061141.D

Acq: 8 May 2024 14:23

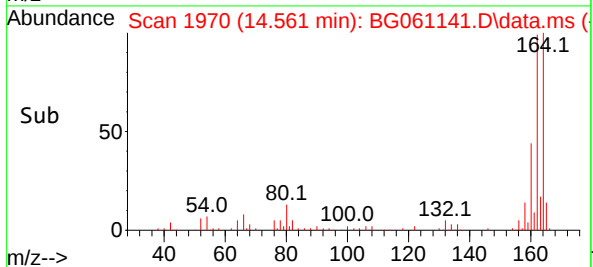
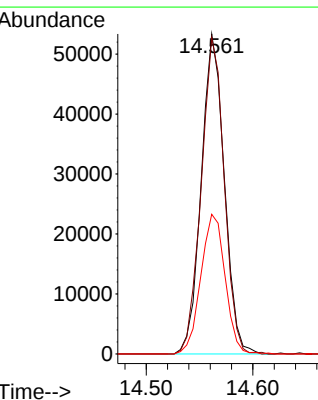
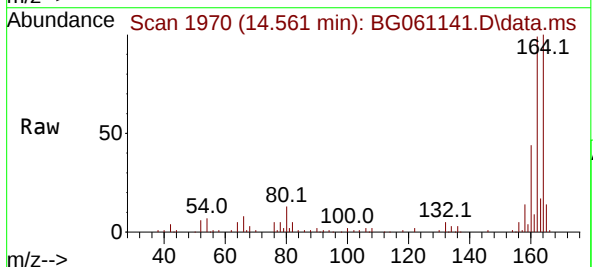
Tgt Ion:164 Resp: 79837

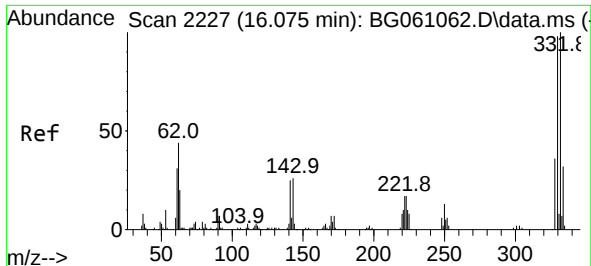
Ion Ratio Lower Upper

164 100

162 98.9 79.4 119.2

160 43.6 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 72.068 ng

RT: 16.054 min Scan# 21

Delta R.T. -0.022 min

Lab File: BG061141.D

Acq: 8 May 2024 14:23

Instrument :

BNA_G

ClientSampleId :

TOP-SOIL-2

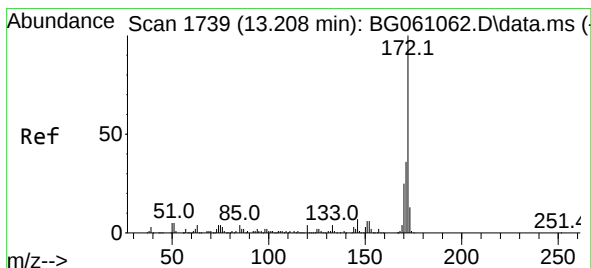
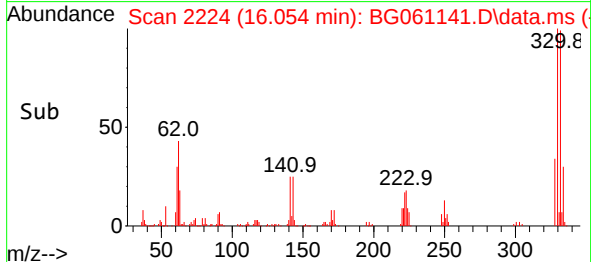
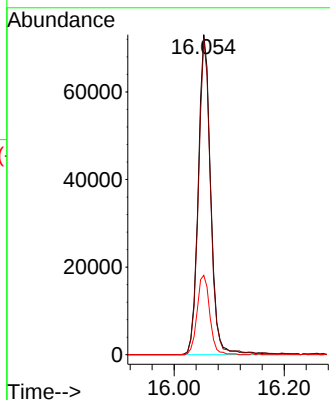
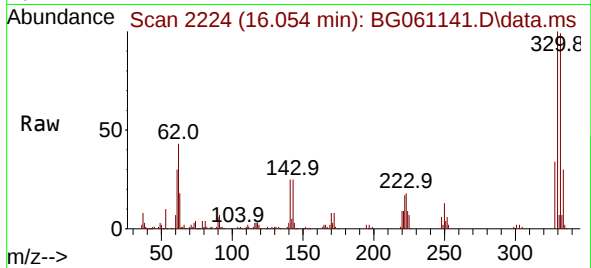
Tgt Ion:330 Resp: 115006

Ion Ratio Lower Upper

330 100

332 95.3 78.6 117.8

141 25.1 20.5 30.7



#45

2-Fluorobiphenyl

Concen: 53.065 ng

RT: 13.187 min Scan# 1736

Delta R.T. -0.022 min

Lab File: BG061141.D

Acq: 8 May 2024 14:23

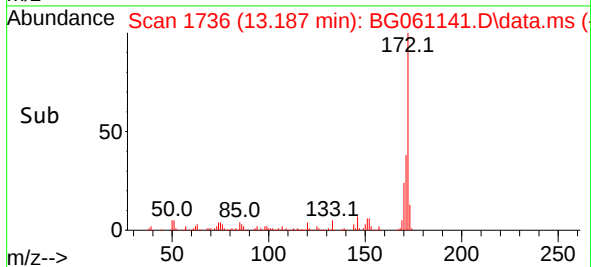
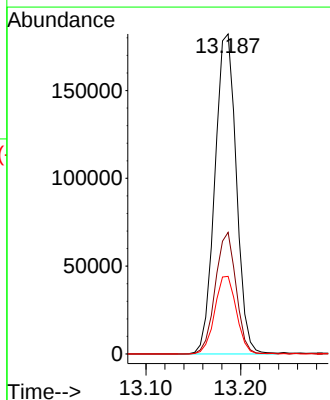
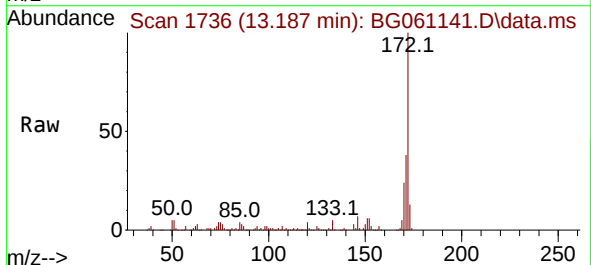
Tgt Ion:172 Resp: 286503

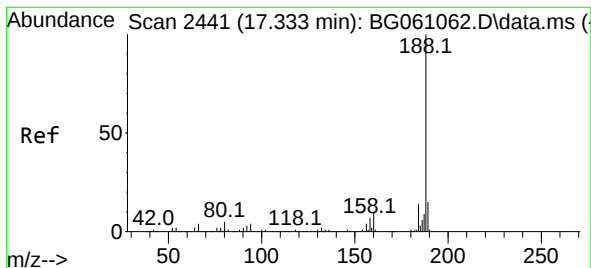
Ion Ratio Lower Upper

172 100

171 38.0 29.0 43.6

170 24.3 20.2 30.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.311 min Scan# 2441

Delta R.T. -0.022 min

Lab File: BG061141.D

Acq: 8 May 2024 14:23

Instrument :

BNA_G

ClientSampleId :

TOP-SOIL-2

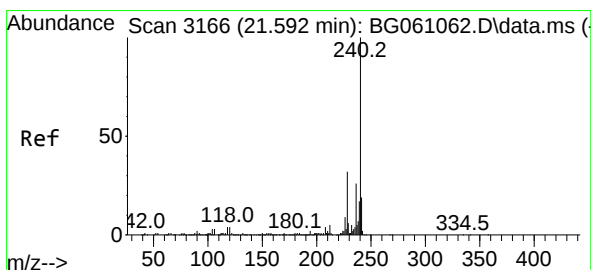
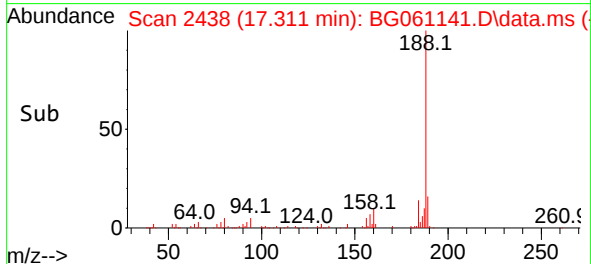
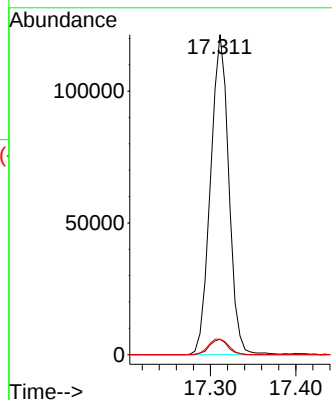
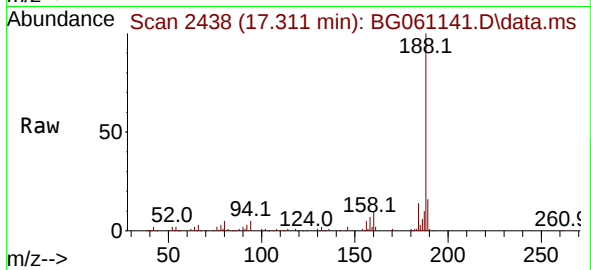
Tgt Ion:188 Resp: 180495

Ion Ratio Lower Upper

188 100

94 4.8 3.6 5.4

80 4.8 4.2 6.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.571 min Scan# 3163

Delta R.T. -0.022 min

Lab File: BG061141.D

Acq: 8 May 2024 14:23

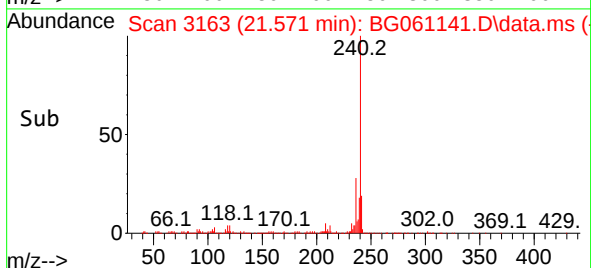
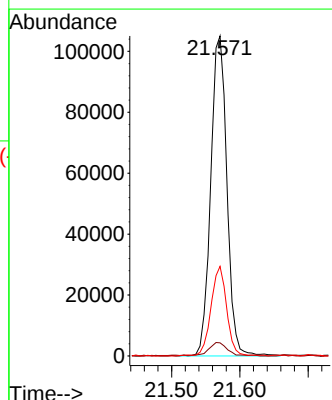
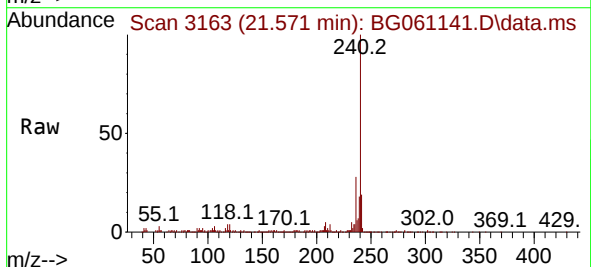
Tgt Ion:240 Resp: 173618

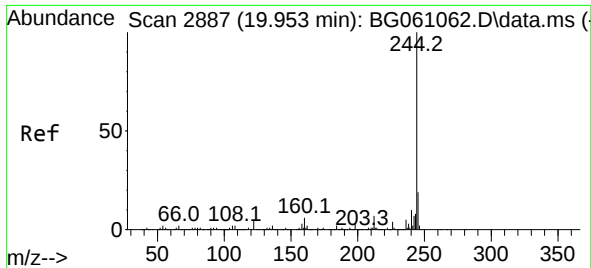
Ion Ratio Lower Upper

240 100

120 4.1 3.2 4.8

236 28.0 21.0 31.6

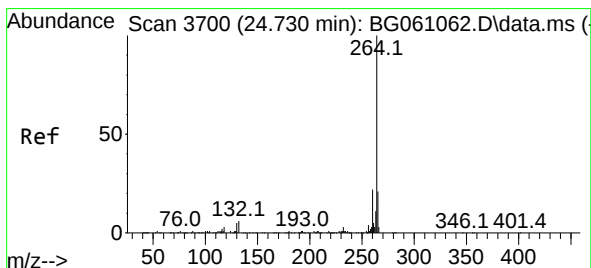
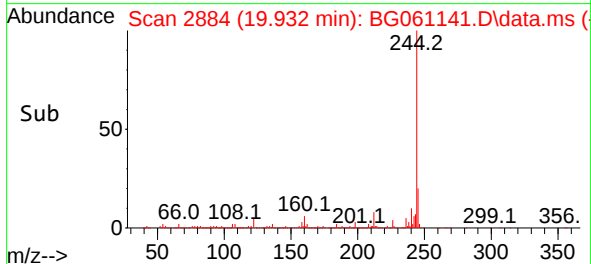
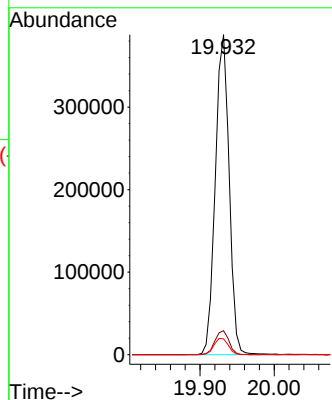
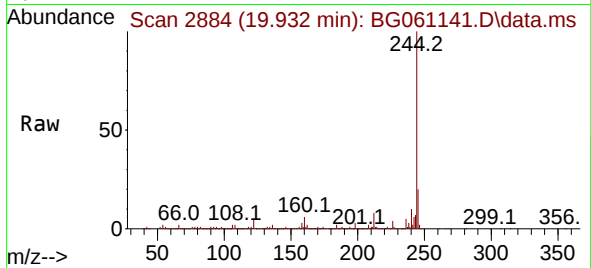




#79
 Terphenyl-d14
 Concen: 48.088 ng
 RT: 19.932 min Scan# 21
 Delta R.T. -0.022 min
 Lab File: BG061141.D
 Acq: 8 May 2024 14:23

Instrument :
 BNA_G
 ClientSampleId :
 TOP-SOIL-2

Tgt Ion:244 Resp: 502003
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 4.9 4.2 6.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.697 min Scan# 3695
 Delta R.T. -0.033 min
 Lab File: BG061141.D
 Acq: 8 May 2024 14:23

Tgt Ion:264 Resp: 211919
 Ion Ratio Lower Upper
 264 100
 260 23.6 17.7 26.5
 265 21.6 16.4 24.6

