

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG121423\  
 Data File : BG060015.D  
 Acq On : 14 Dec 2023 17:02  
 Operator : MA/JU  
 Sample : 05718-02  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-SOIL-20231206

Quant Time: Dec 15 02:34:41 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG121323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 14 01:47:12 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.953  | 152  | 89091    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.762 | 136  | 265546   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.593 | 164  | 219107   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.336 | 188  | 685515   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.608 | 240  | 853393   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 24.792 | 264  | 978012   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.527  | 112  | 534999   | 102.798 | ng    | 0.00     |
| 7) Phenol-d6                | 7.113  | 99   | 709482   | 96.914  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.117  | 82   | 562404   | 96.171  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.079 | 330  | 722736   | 141.541 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.218 | 172  | 1428898  | 79.816  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.963 | 244  | 3955356  | 84.619  | ng    | 0.00     |

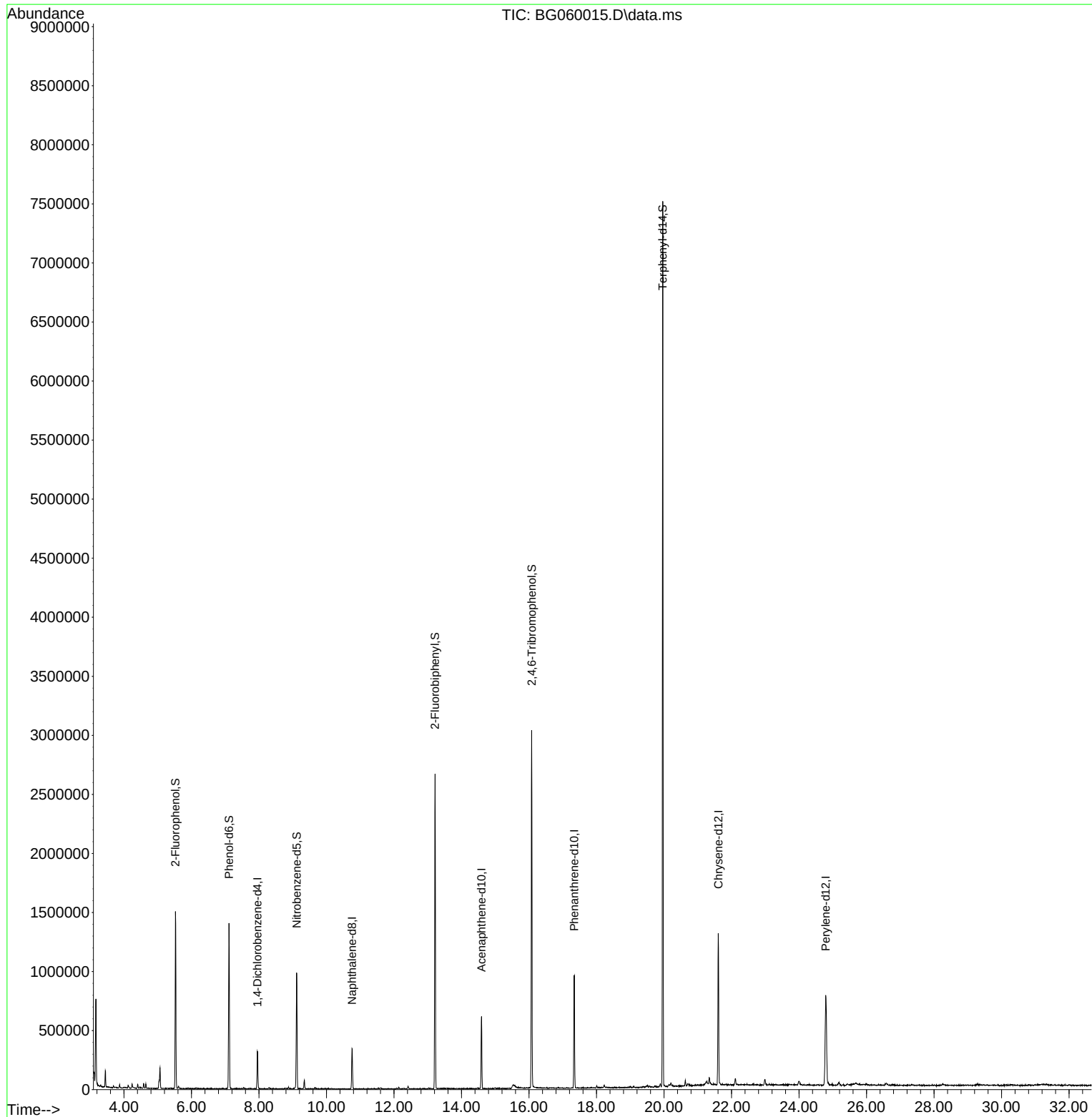
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

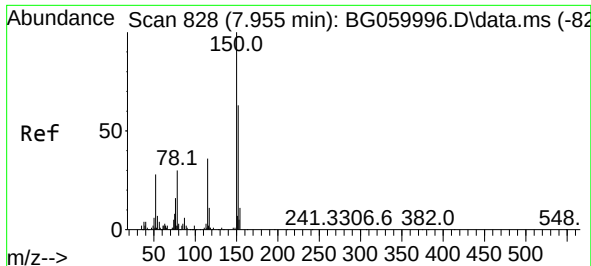
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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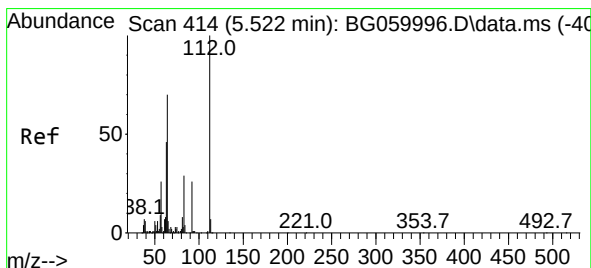
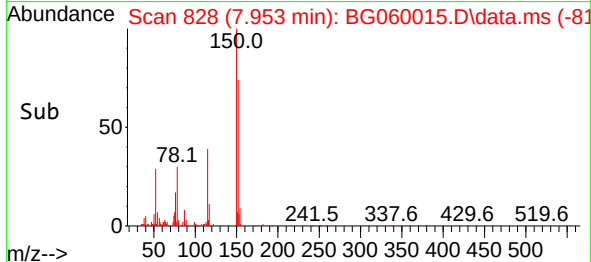
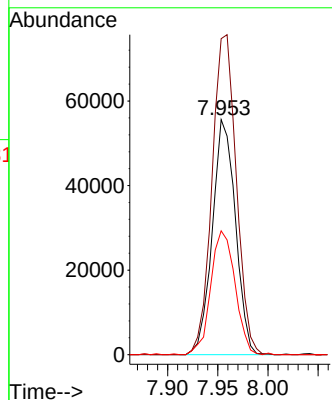
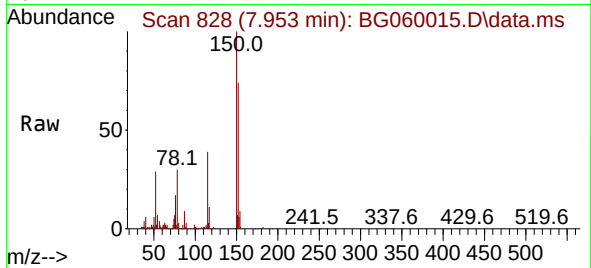




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.953 min Scan# 81  
Delta R.T. -0.002 min  
Lab File: BG060015.D  
Acq: 14 Dec 2023 17:02

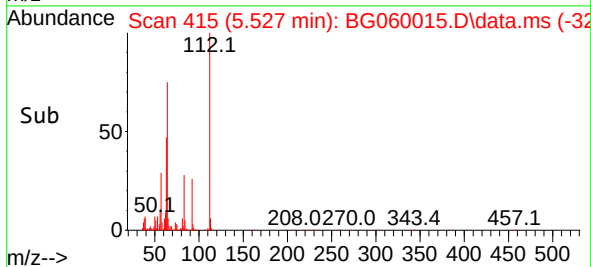
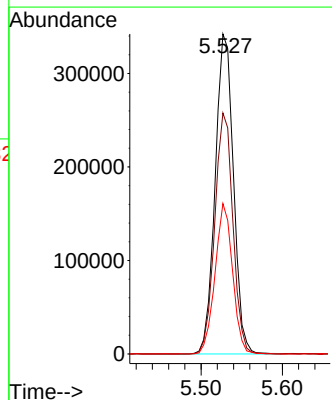
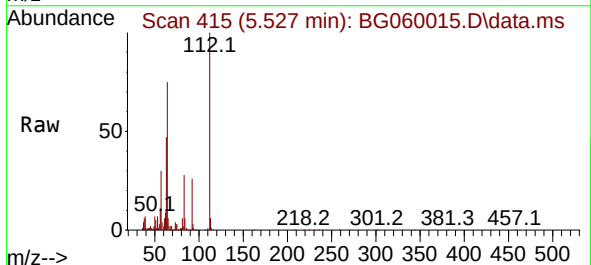
Instrument :  
BNA\_G  
ClientSampleId :  
WC-SOIL-20231206

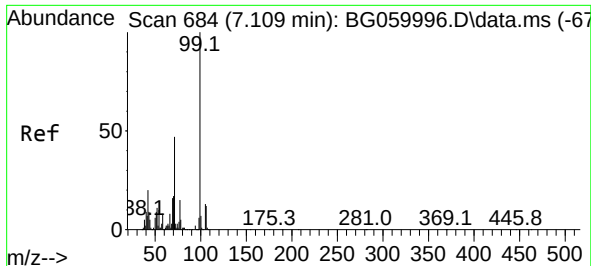
Tgt Ion:152 Resp: 89091  
Ion Ratio Lower Upper  
152 100  
150 134.5 127.0 190.6  
115 52.7 45.7 68.5



#5  
2-Fluorophenol  
Concen: 102.798 ng  
RT: 5.527 min Scan# 415  
Delta R.T. 0.005 min  
Lab File: BG060015.D  
Acq: 14 Dec 2023 17:02

Tgt Ion:112 Resp: 534999  
Ion Ratio Lower Upper  
112 100  
64 75.3 55.9 83.9  
63 47.0 36.5 54.7

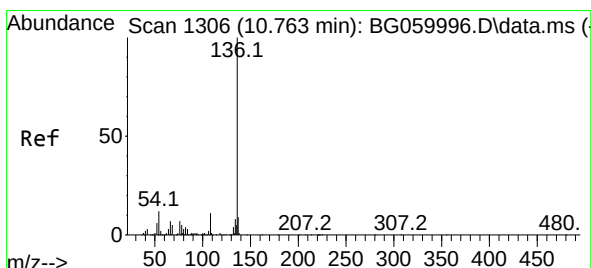
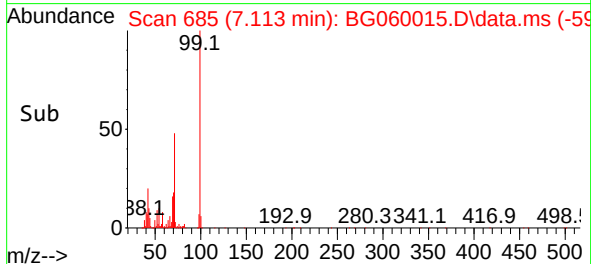
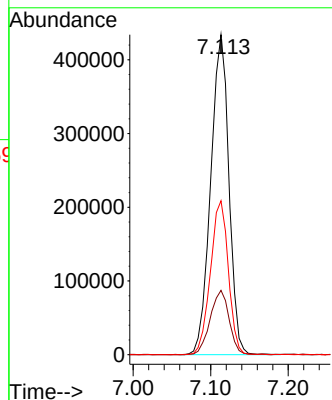
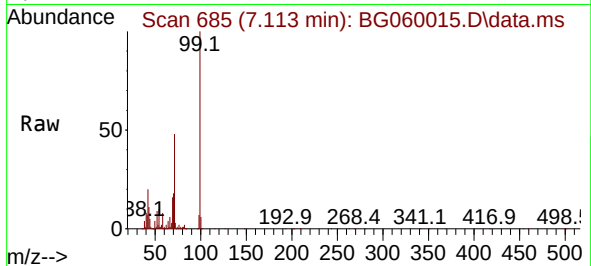




#7  
Phenol-d6  
Concen: 96.914 ng  
RT: 7.113 min Scan# 61  
Delta R.T. 0.004 min  
Lab File: BG060015.D  
Acq: 14 Dec 2023 17:02

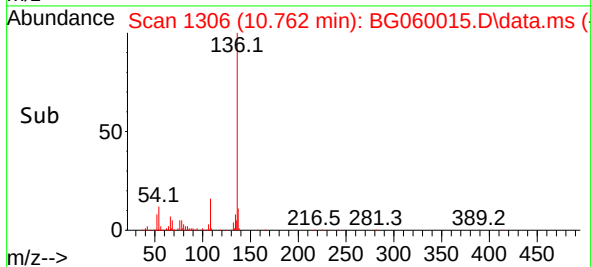
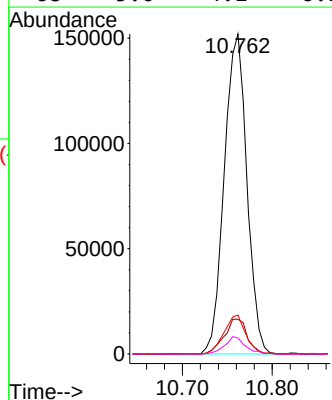
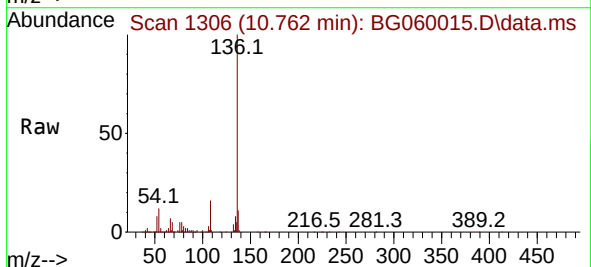
Instrument :  
BNA\_G  
ClientSampleId :  
WC-SOIL-20231206

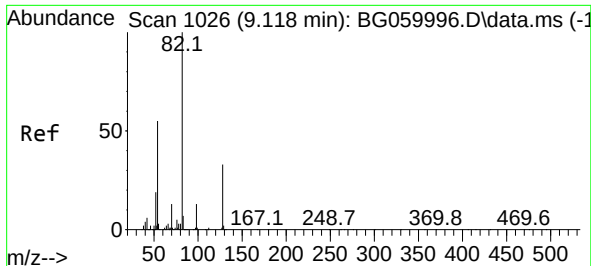
Tgt Ion: 99 Resp: 709482  
Ion Ratio Lower Upper  
99 100  
42 20.1 16.2 24.4  
71 48.1 37.6 56.4



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.762 min Scan# 1306  
Delta R.T. -0.001 min  
Lab File: BG060015.D  
Acq: 14 Dec 2023 17:02

Tgt Ion: 136 Resp: 265546  
Ion Ratio Lower Upper  
136 100  
137 10.8 7.3 10.9  
54 12.1 9.6 14.4  
68 5.0 4.1 6.1

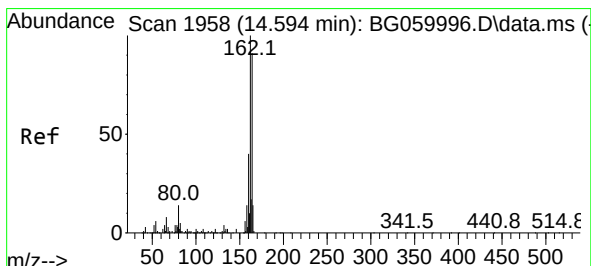
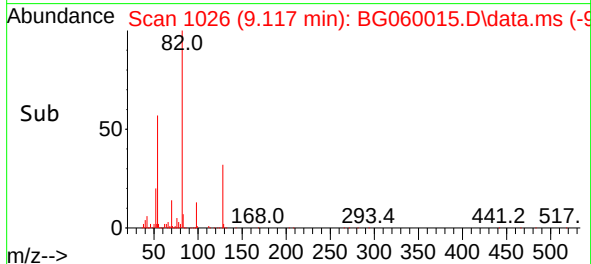
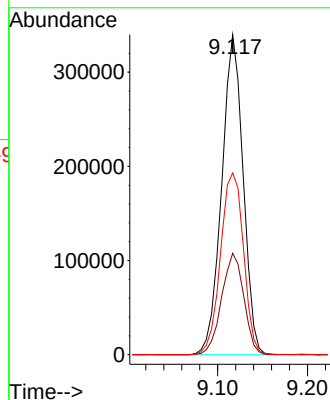
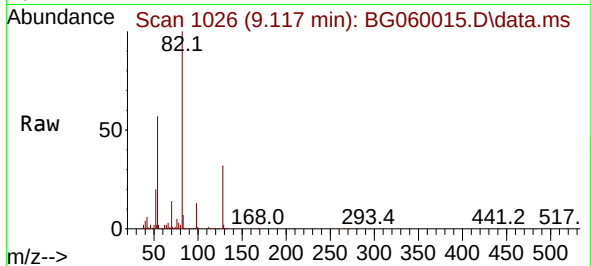




#23  
Nitrobenzene-d5  
Concen: 96.171 ng  
RT: 9.117 min Scan# 1026  
Delta R.T. -0.001 min  
Lab File: BG060015.D  
Acq: 14 Dec 2023 17:02

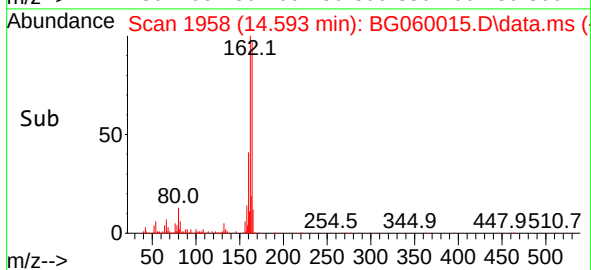
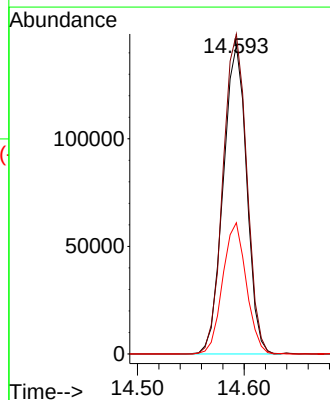
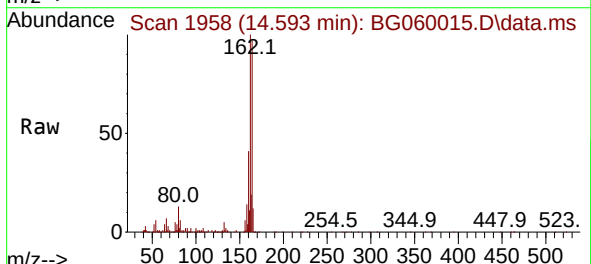
Instrument :  
BNA\_G  
ClientSampleId :  
WC-SOIL-20231206

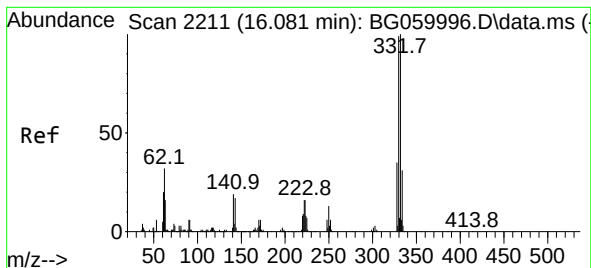
Tgt Ion: 82 Resp: 562404  
Ion Ratio Lower Upper  
82 100  
128 31.7 26.3 39.5  
54 56.8 44.3 66.5



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.593 min Scan# 1958  
Delta R.T. -0.001 min  
Lab File: BG060015.D  
Acq: 14 Dec 2023 17:02

Tgt Ion:164 Resp: 219107  
Ion Ratio Lower Upper  
164 100  
162 103.6 88.1 132.1  
160 42.5 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 141.541 ng

RT: 16.079 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG060015.D

Acq: 14 Dec 2023 17:02

Instrument :

BNA\_G

ClientSampleId :

WC-SOIL-20231206

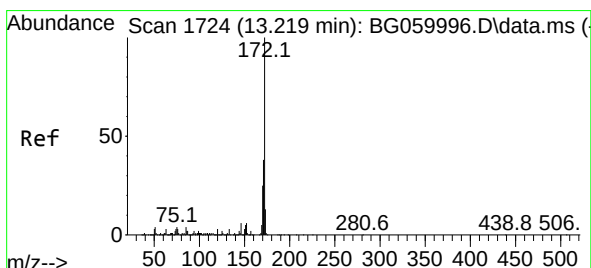
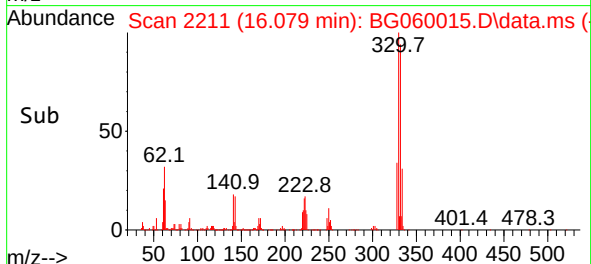
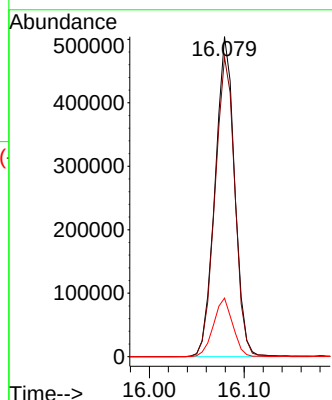
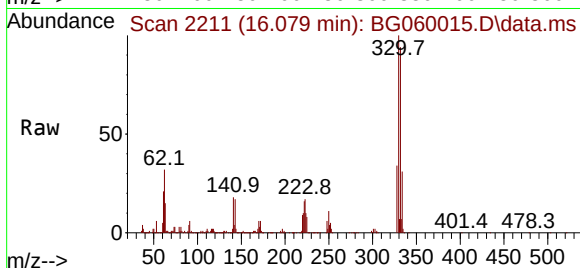
Tgt Ion:330 Resp: 722736

Ion Ratio Lower Upper

330 100

332 95.4 76.2 114.4

141 18.1 14.3 21.5



#45

2-Fluorobiphenyl

Concen: 79.816 ng

RT: 13.218 min Scan# 1724

Delta R.T. -0.001 min

Lab File: BG060015.D

Acq: 14 Dec 2023 17:02

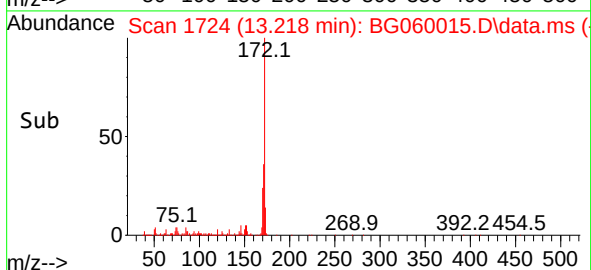
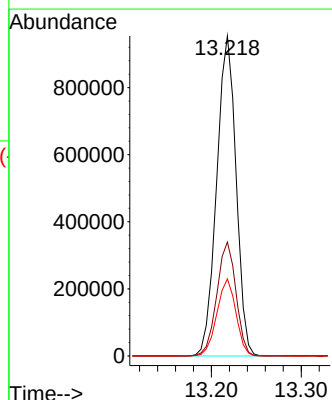
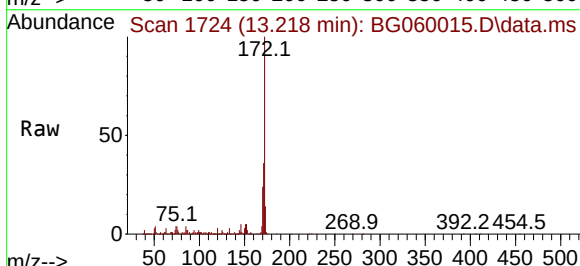
Tgt Ion:172 Resp: 1428898

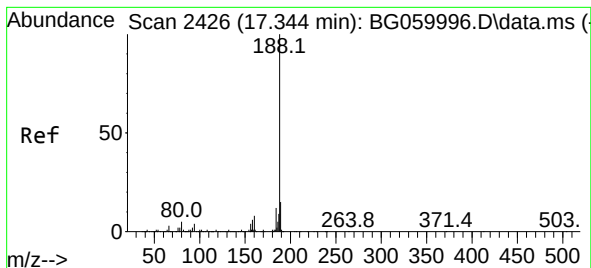
Ion Ratio Lower Upper

172 100

171 35.6 30.1 45.1

170 24.1 20.0 30.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.336 min Scan# 24

Delta R.T. -0.007 min

Lab File: BG060015.D

Acq: 14 Dec 2023 17:02

Instrument :

BNA\_G

ClientSampleId :

WC-SOIL-20231206

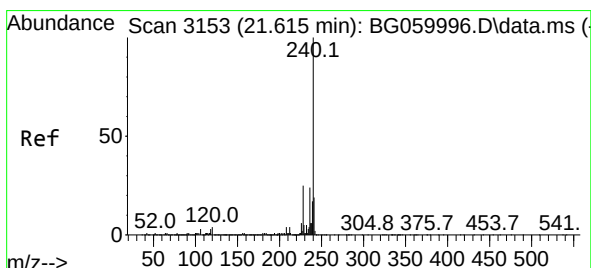
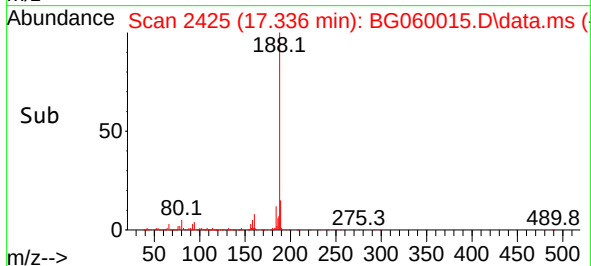
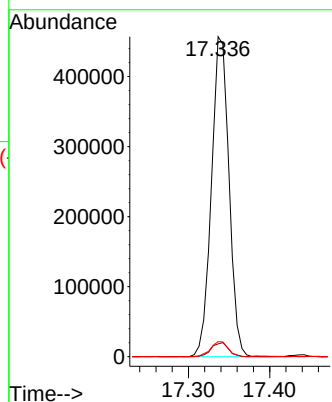
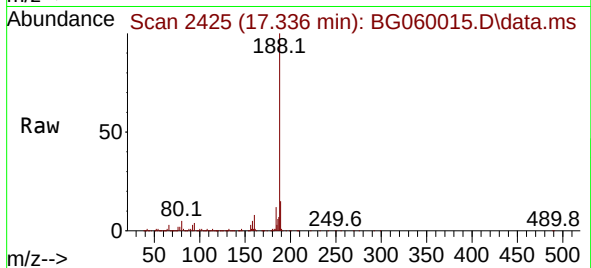
Tgt Ion:188 Resp: 685515

Ion Ratio Lower Upper

188 100

94 4.0 3.0 4.6

80 4.7 4.0 6.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.608 min Scan# 3152

Delta R.T. -0.007 min

Lab File: BG060015.D

Acq: 14 Dec 2023 17:02

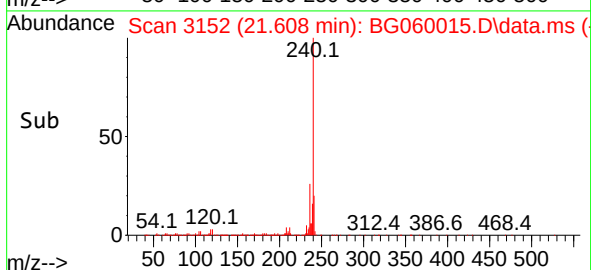
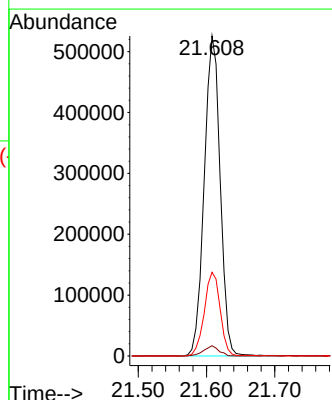
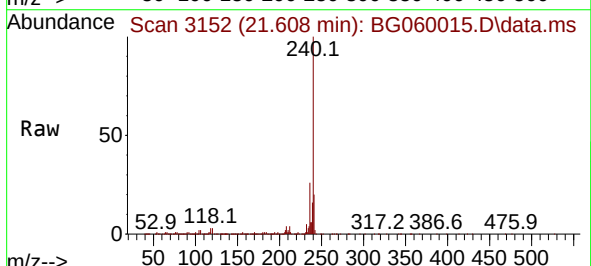
Tgt Ion:240 Resp: 853393

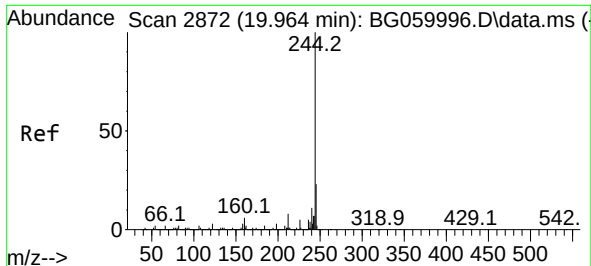
Ion Ratio Lower Upper

240 100

120 3.2 2.9 4.3

236 26.1 19.4 29.2





#79

Terphenyl-d14

Concen: 84.619 ng

RT: 19.963 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG060015.D

Acq: 14 Dec 2023 17:02

Instrument :

BNA\_G

ClientSampleId :

WC-SOIL-20231206

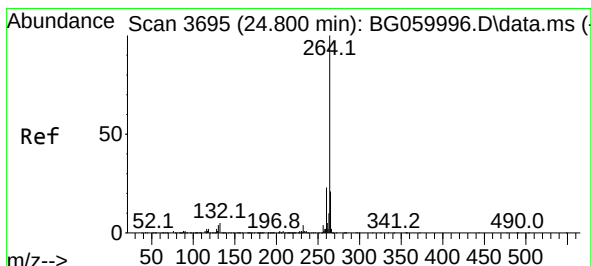
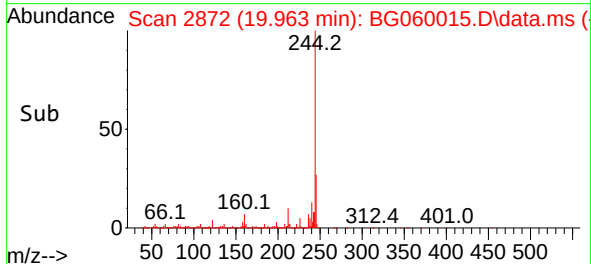
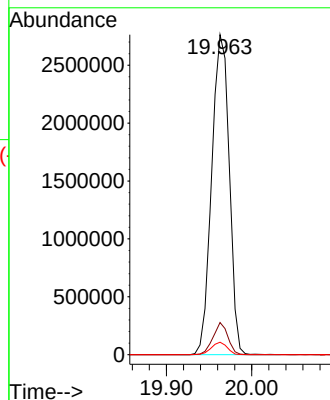
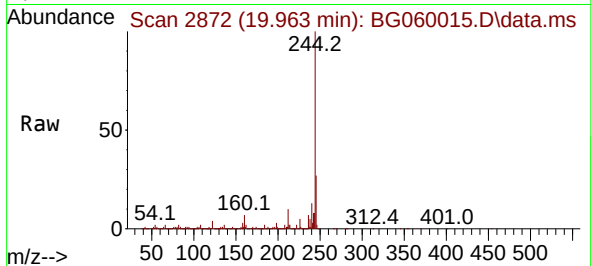
Tgt Ion:244 Resp: 3955356

Ion Ratio Lower Upper

244 100

212 10.1 6.8 10.2

122 3.9 2.6 3.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.792 min Scan# 3694

Delta R.T. -0.007 min

Lab File: BG060015.D

Acq: 14 Dec 2023 17:02

Tgt Ion:264 Resp: 978012

Ion Ratio Lower Upper

264 100

260 24.8 18.5 27.7

265 21.9 17.3 25.9

