

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG040524\  
 Data File : BG060799.D  
 Acq On : 5 Apr 2024 17:04  
 Operator : MA/JU  
 Sample : P1999-03  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 THO-CONCRETE-03

Quant Time: Apr 05 17:36:55 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   | 7.950  | 152  | 59477    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.747 | 136  | 226134   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.584 | 164  | 180391   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.327 | 188  | 443424   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12            | 21.593 | 240  | 428776   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12            | 24.730 | 264  | 500469   | 20.000 | ng    | -0.02    |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.535  | 112  | 196831   | 55.130 | ng    | 0.00     |
| 7) Phenol-d6                | 7.116  | 99   | 338891   | 63.946 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.108  | 82   | 260400   | 65.708 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.070 | 330  | 111527   | 54.464 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.209 | 172  | 666113   | 54.194 | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.954 | 244  | 1417240  | 58.201 | ng    | -0.01    |

Target Compounds Qvalue

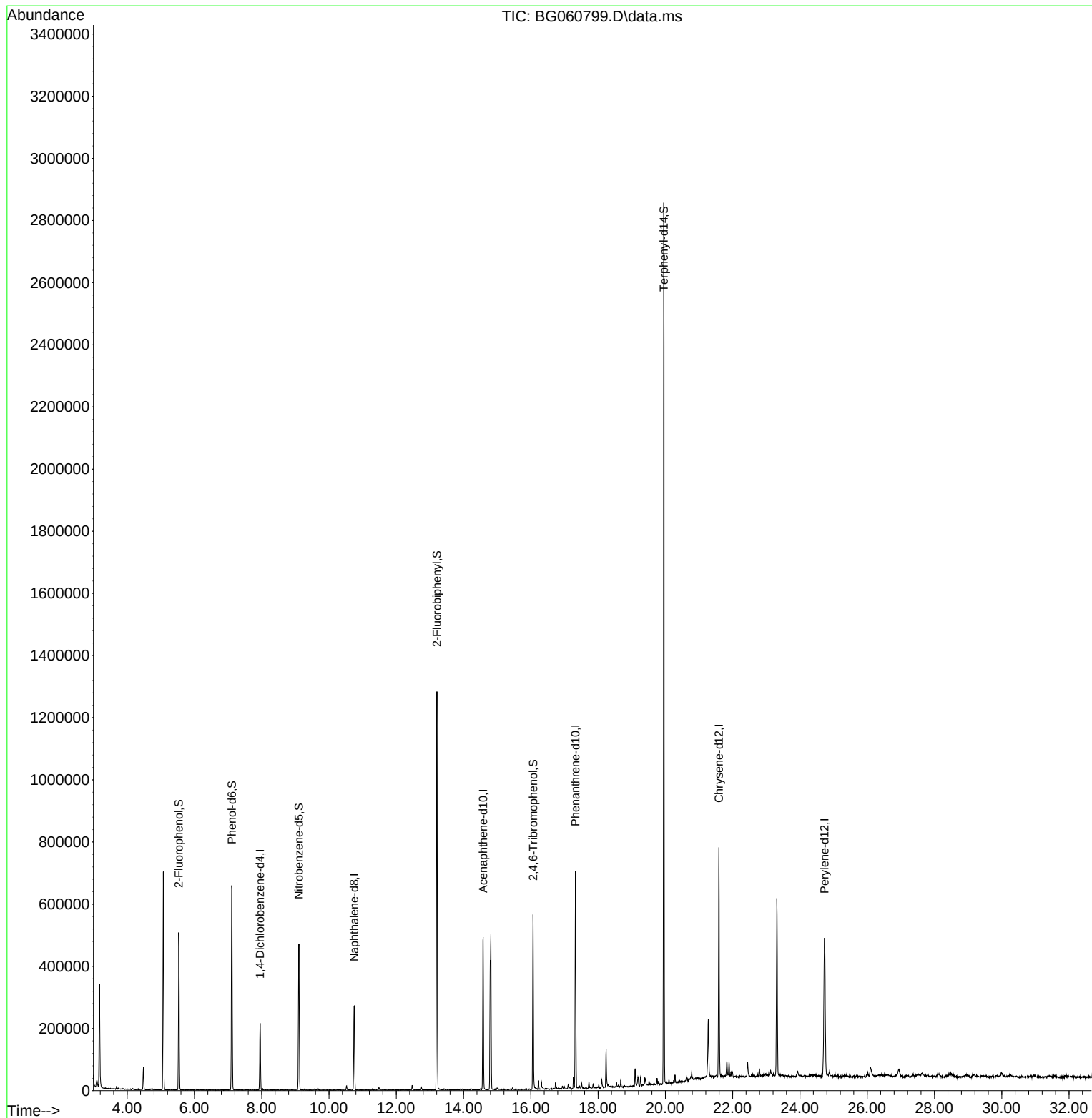
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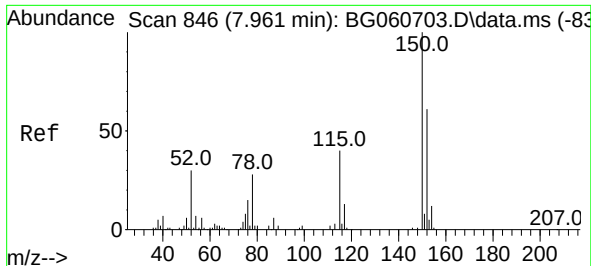
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 13 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Mar 30 03:12:26 2024  
Response via : Initial Calibration

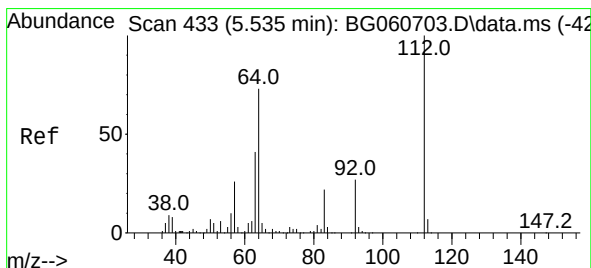
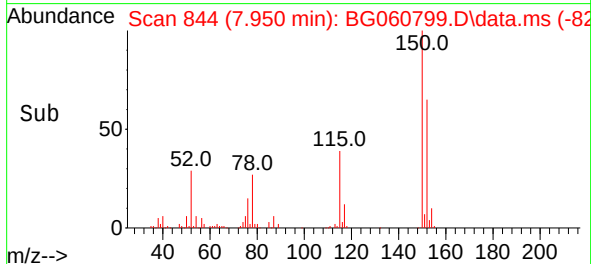
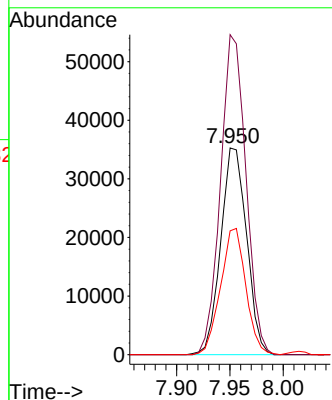
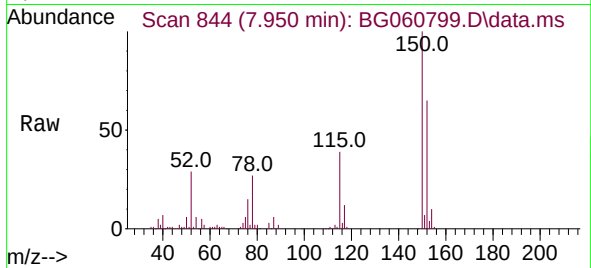




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.950 min Scan# 846  
Delta R.T. -0.011 min  
Lab File: BG060799.D  
Acq: 5 Apr 2024 17:04

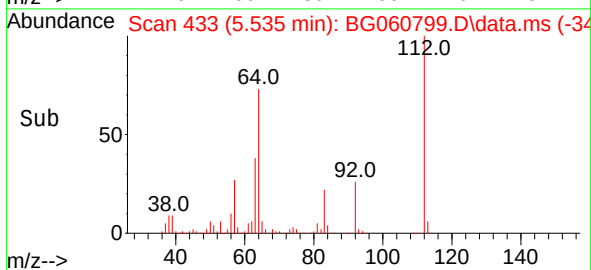
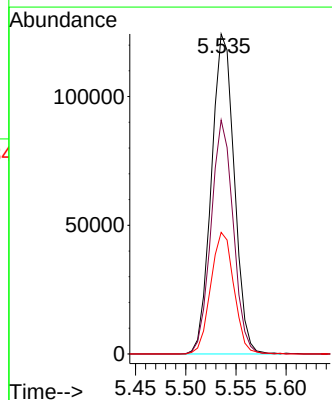
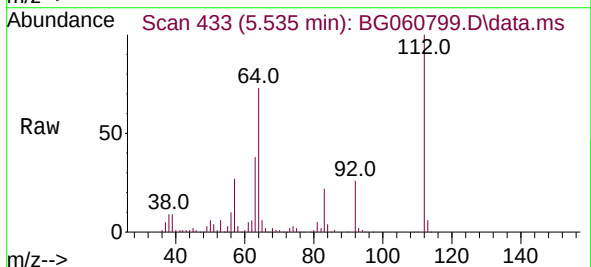
Instrument :  
BNA\_G  
ClientSampleId :  
THO-CONCRETE-03

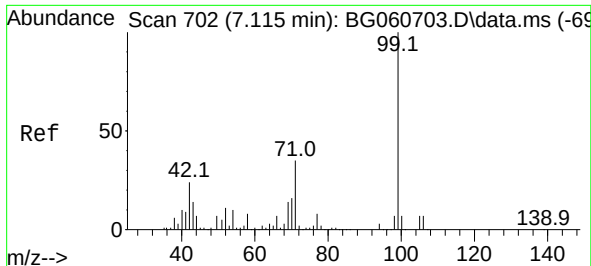
Tgt Ion:152 Resp: 59477  
Ion Ratio Lower Upper  
152 100  
150 154.8 130.2 195.4  
115 59.9 51.6 77.4



#5  
2-Fluorophenol  
Concen: 55.130 ng  
RT: 5.535 min Scan# 433  
Delta R.T. 0.000 min  
Lab File: BG060799.D  
Acq: 5 Apr 2024 17:04

Tgt Ion:112 Resp: 196831  
Ion Ratio Lower Upper  
112 100  
64 73.1 58.4 87.6  
63 38.0 32.7 49.1

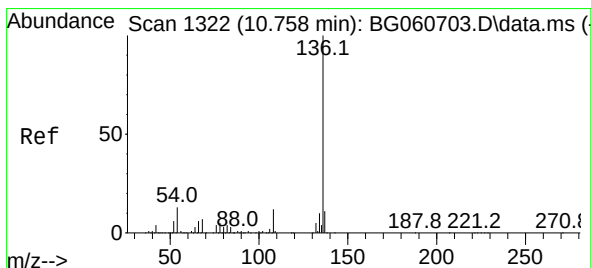
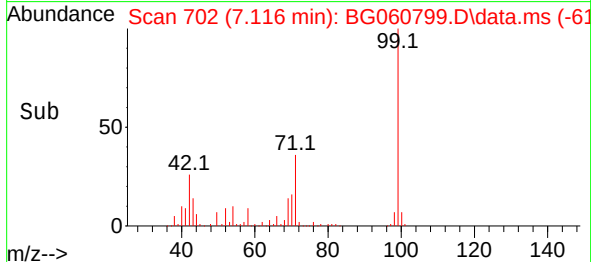
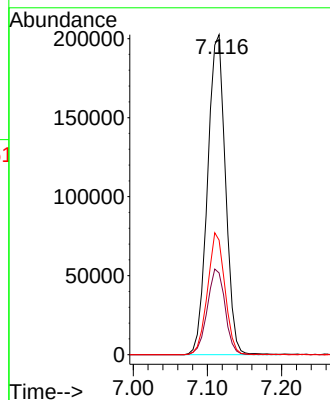
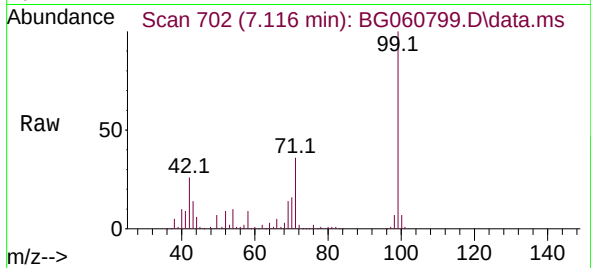




#7  
Phenol-d6  
Concen: 63.946 ng  
RT: 7.116 min Scan# 702  
Delta R.T. 0.000 min  
Lab File: BG060799.D  
Acq: 5 Apr 2024 17:04

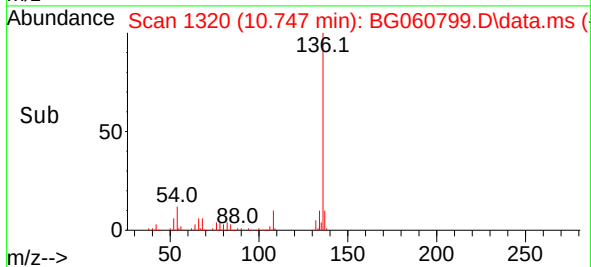
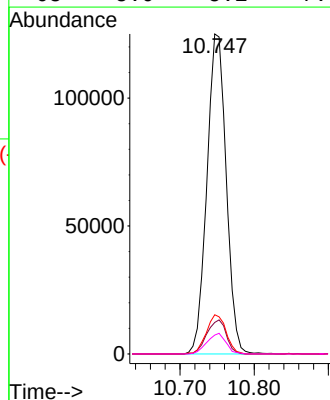
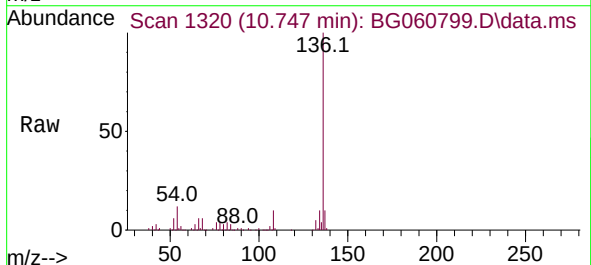
Instrument :  
BNA\_G  
ClientSampleId :  
THO-CONCRETE-03

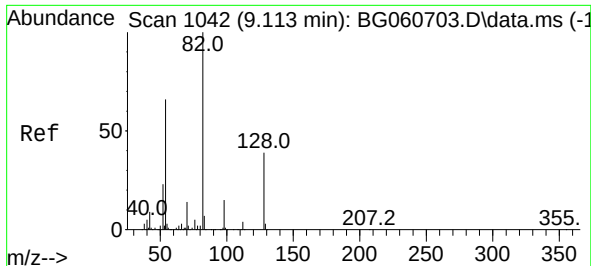
Tgt Ion: 99 Resp: 338891  
Ion Ratio Lower Upper  
99 100  
42 25.6 19.4 29.2  
71 35.8 28.2 42.2



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.747 min Scan# 1320  
Delta R.T. -0.011 min  
Lab File: BG060799.D  
Acq: 5 Apr 2024 17:04

Tgt Ion:136 Resp: 226134  
Ion Ratio Lower Upper  
136 100  
137 9.9 8.8 13.2  
54 12.3 10.2 15.2  
68 5.9 5.2 7.8





#23

Nitrobenzene-d5

Concen: 65.708 ng

RT: 9.108 min Scan# 1042

Delta R.T. -0.005 min

Lab File: BG060799.D

Acq: 5 Apr 2024 17:04

Instrument :

BNA\_G

ClientSampleId :

THO-CONCRETE-03

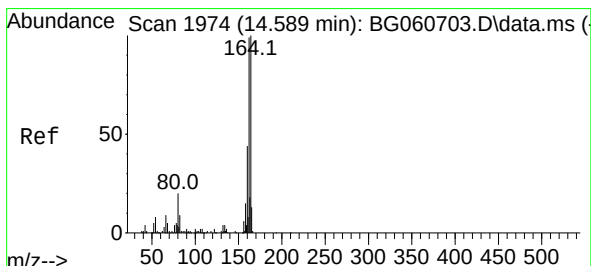
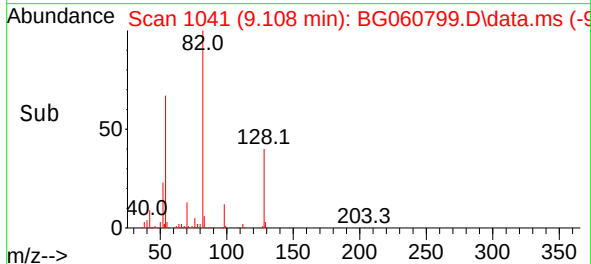
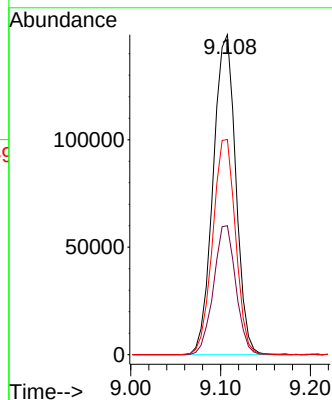
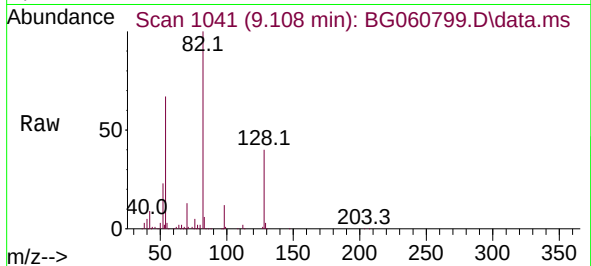
Tgt Ion: 82 Resp: 260400

Ion Ratio Lower Upper

82 100

128 40.3 31.2 46.8

54 67.2 53.2 79.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.584 min Scan# 1973

Delta R.T. -0.005 min

Lab File: BG060799.D

Acq: 5 Apr 2024 17:04

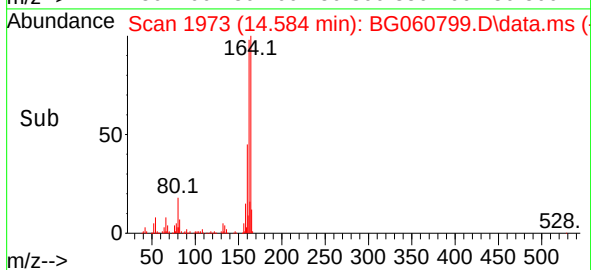
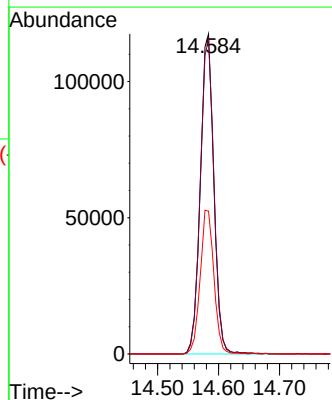
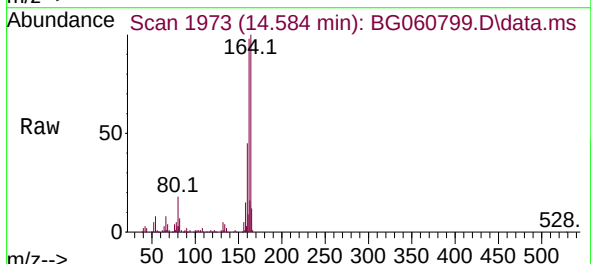
Tgt Ion:164 Resp: 180391

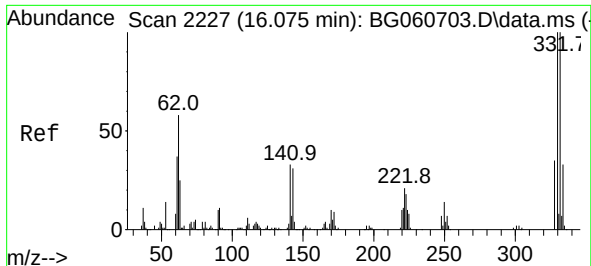
Ion Ratio Lower Upper

164 100

162 98.3 79.5 119.3

160 44.6 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 54.464 ng

RT: 16.070 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG060799.D

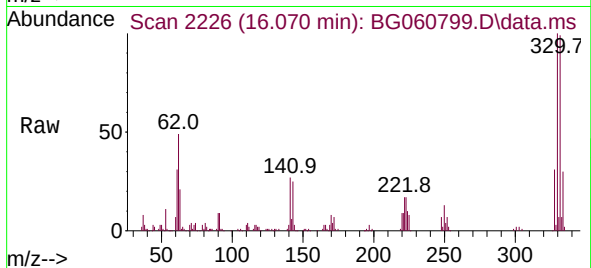
Acq: 5 Apr 2024 17:04

Instrument :

BNA\_G

ClientSampleId :

THO-CONCRETE-03



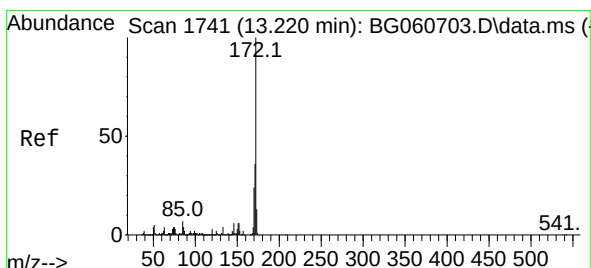
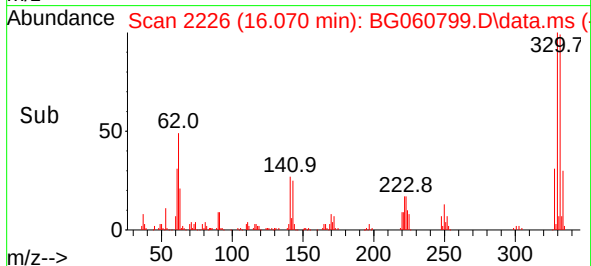
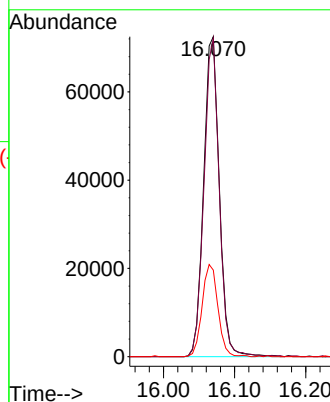
Tgt Ion:330 Resp: 111527

Ion Ratio Lower Upper

330 100

332 96.5 78.2 117.4

141 29.0 27.0 40.6



#45

2-Fluorobiphenyl

Concen: 54.194 ng

RT: 13.209 min Scan# 1739

Delta R.T. -0.011 min

Lab File: BG060799.D

Acq: 5 Apr 2024 17:04

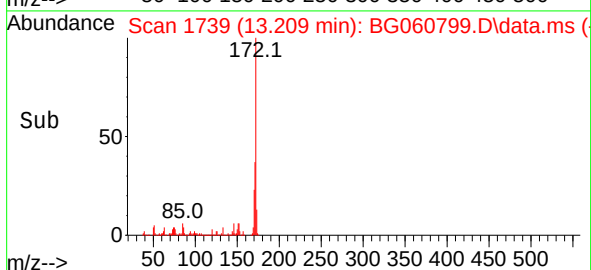
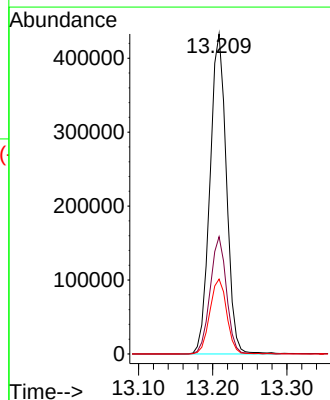
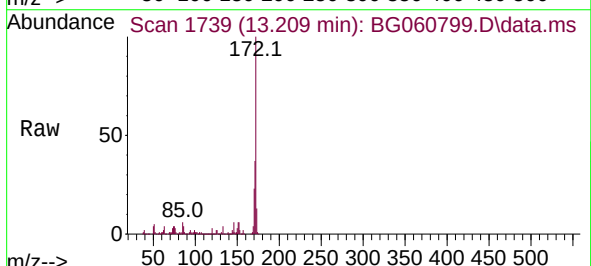
Tgt Ion:172 Resp: 666113

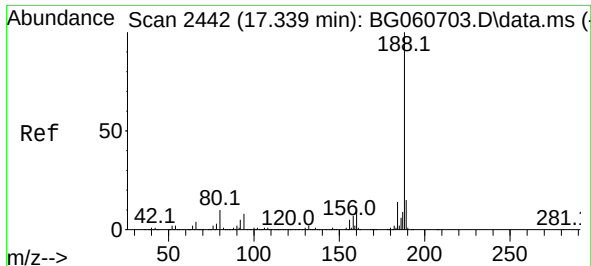
Ion Ratio Lower Upper

172 100

171 36.6 28.7 43.1

170 23.4 19.4 29.0

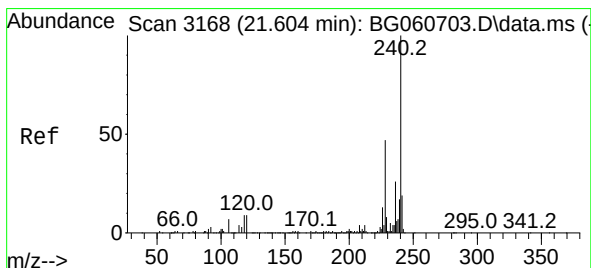
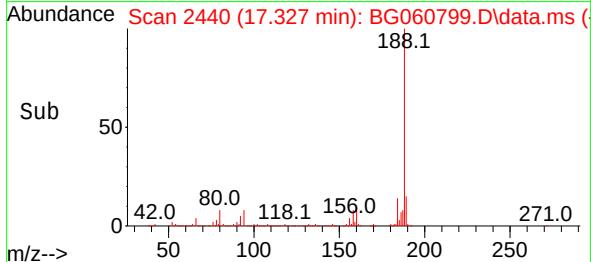
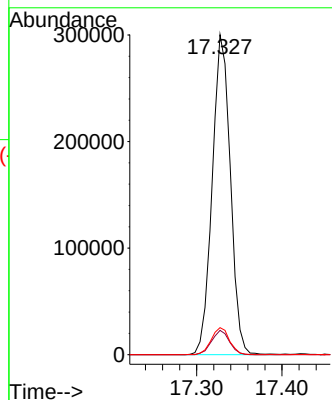
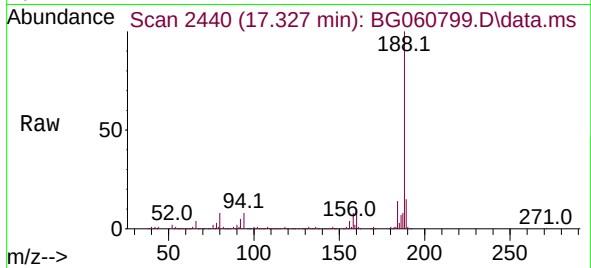




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.327 min Scan# 2442  
Delta R.T. -0.011 min  
Lab File: BG060799.D  
Acq: 5 Apr 2024 17:04

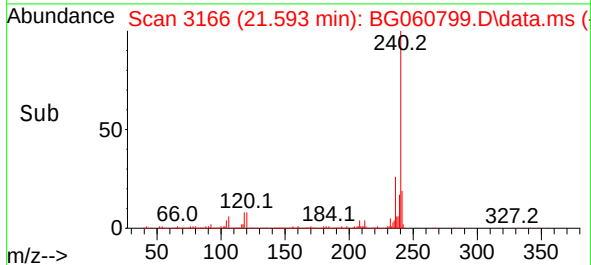
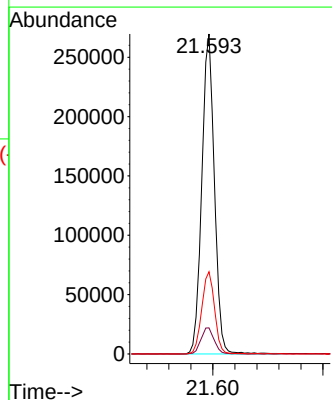
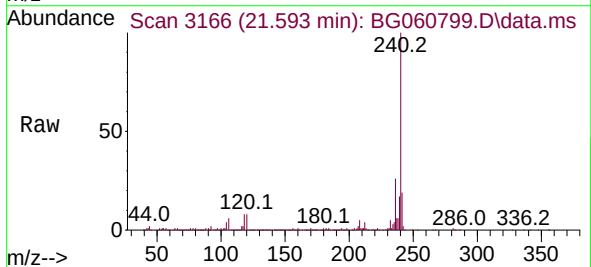
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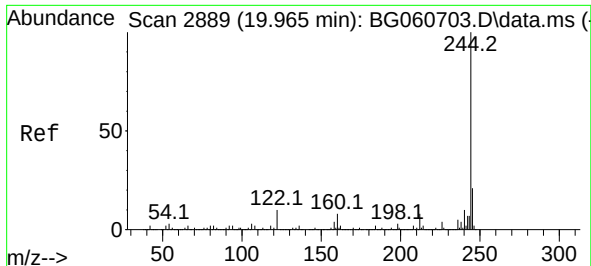
Tgt Ion:188 Resp: 443424  
Ion Ratio Lower Upper  
188 100  
94 7.6 6.6 9.8  
80 8.5 7.6 11.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.593 min Scan# 3166  
Delta R.T. -0.011 min  
Lab File: BG060799.D  
Acq: 5 Apr 2024 17:04

Tgt Ion:240 Resp: 428776  
Ion Ratio Lower Upper  
240 100  
120 8.1 7.1 10.7  
236 25.7 20.7 31.1

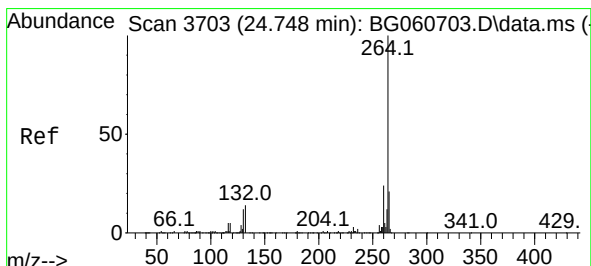
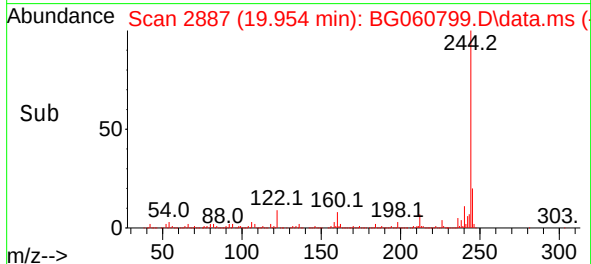
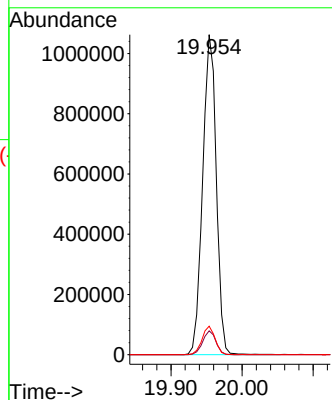
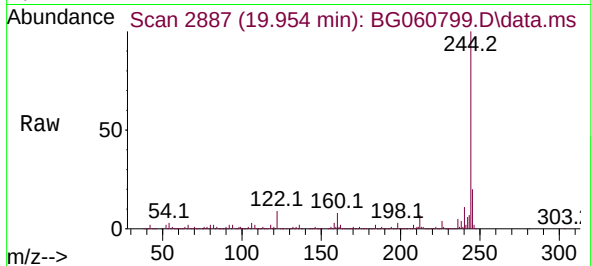




#79  
 Terphenyl-d14  
 Concen: 58.201 ng  
 RT: 19.954 min Scan# 21  
 Delta R.T. -0.011 min  
 Lab File: BG060799.D  
 Acq: 5 Apr 2024 17:04

Instrument :  
 BNA\_G  
 ClientSampleId :  
 THO-CONCRETE-03

Tgt Ion:244 Resp: 1417240  
 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: 24.730 min Scan# 3700  
 Delta R.T. -0.017 min  
 Lab File: BG060799.D  
 Acq: 5 Apr 2024 17:04

Tgt Ion:264 Resp: 500469  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 19.5 29.3  
 265 21.9 16.9 25.3

