

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM041223\  
 Data File : BM039406.D  
 Acq On : 12 Apr 2023 16:45  
 Operator : CG/JU  
 Sample : 02287-03  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BS-3-4

Quant Time: Apr 13 01:48:32 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM032923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 11 16:05:42 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.857  | 152  | 179392   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.669 | 136  | 679908   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.515 | 164  | 390655   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.262 | 188  | 817407   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.456 | 240  | 844120   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 23.838 | 264  | 981814   | 20.000 | ng    | -0.01    |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.446  | 112  | 521963   | 43.836 | ng    | 0.02     |
| 7) Phenol-d6                | 7.069  | 99   | 821191   | 53.321 | ng    | 0.04     |
| 23) Nitrobenzene-d5         | 9.034  | 82   | 823616   | 58.875 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.010 | 330  | 179496   | 36.196 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.139 | 172  | 1792796  | 62.180 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.892 | 244  | 2901175  | 63.499 | ng    | 0.00     |

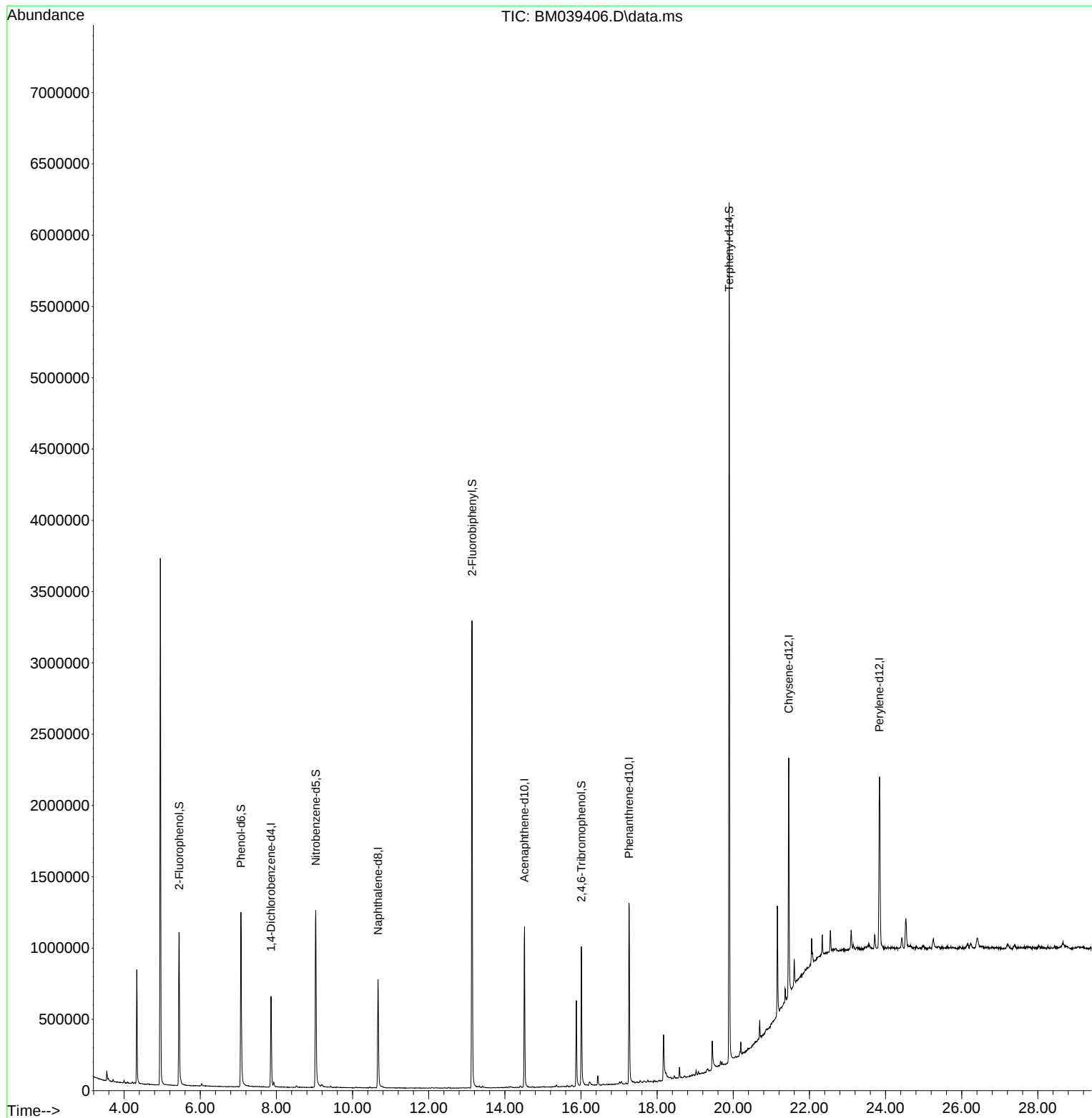
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

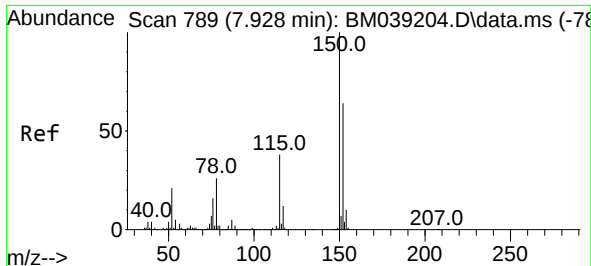
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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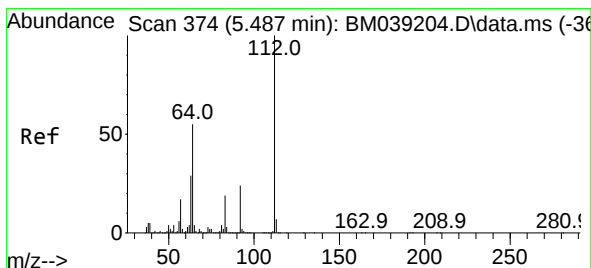
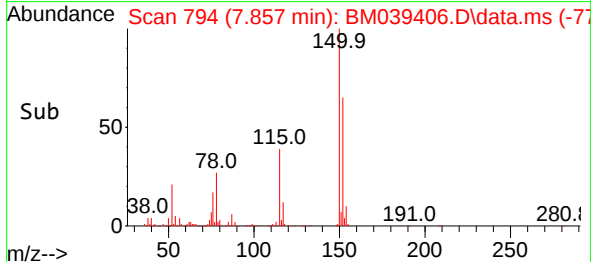
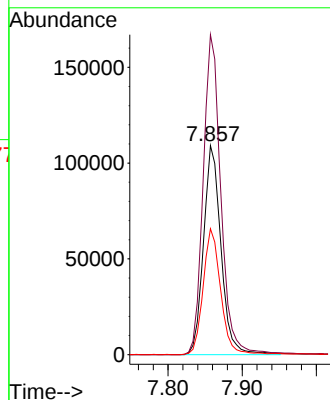
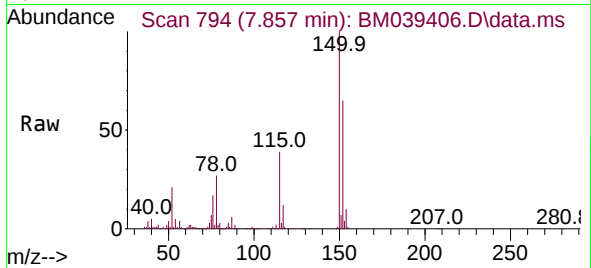




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.857 min Scan# 794  
Delta R.T. -0.006 min  
Lab File: BM039406.D  
Acq: 12 Apr 2023 16:45

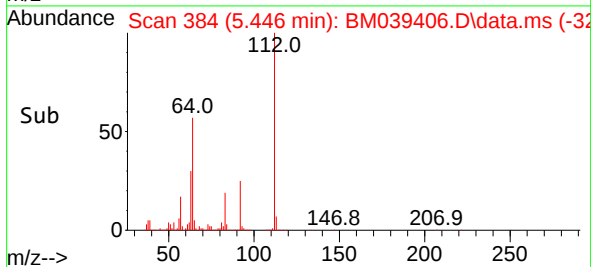
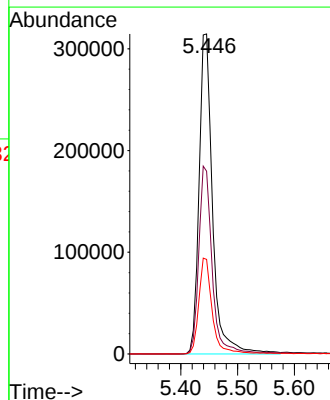
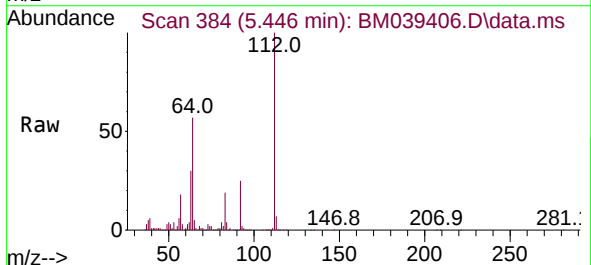
Instrument :  
BNA\_M  
ClientSampleId :  
BS-3-4

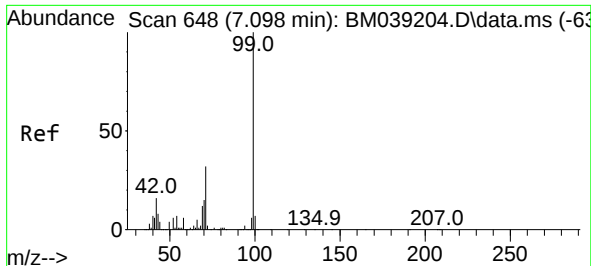
Tgt Ion:152 Resp: 179392  
Ion Ratio Lower Upper  
152 100  
150 153.0 125.5 188.3  
115 60.2 48.1 72.1



#5  
2-Fluorophenol  
Concen: 43.836 ng  
RT: 5.446 min Scan# 384  
Delta R.T. 0.024 min  
Lab File: BM039406.D  
Acq: 12 Apr 2023 16:45

Tgt Ion:112 Resp: 521963  
Ion Ratio Lower Upper  
112 100  
64 57.1 44.3 66.5  
63 29.6 23.0 34.6

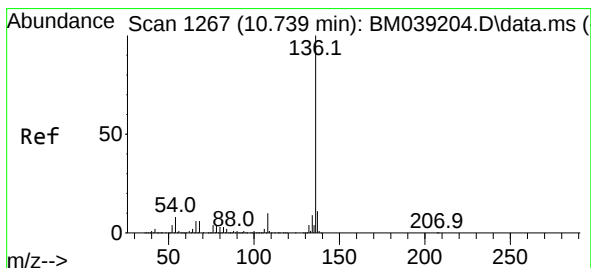
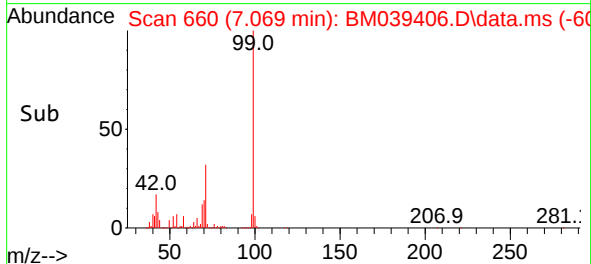
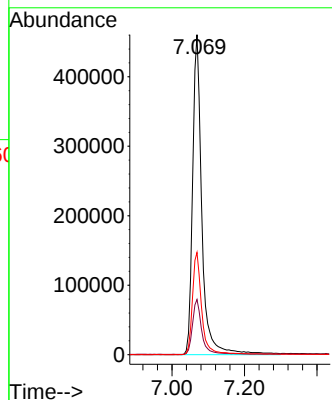
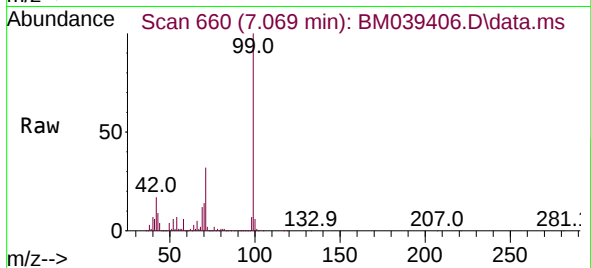




#7  
Phenol-d6  
Concen: 53.321 ng  
RT: 7.069 min Scan# 60  
Delta R.T. 0.035 min  
Lab File: BM039406.D  
Acq: 12 Apr 2023 16:45

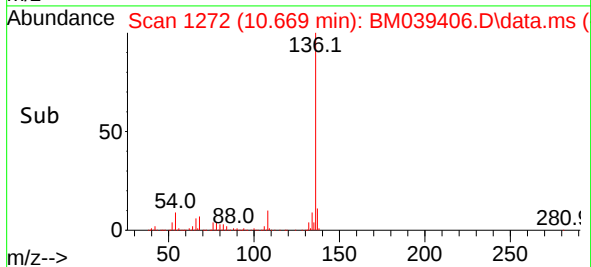
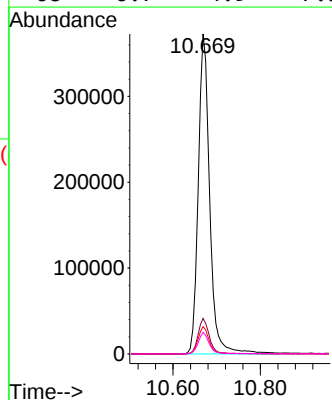
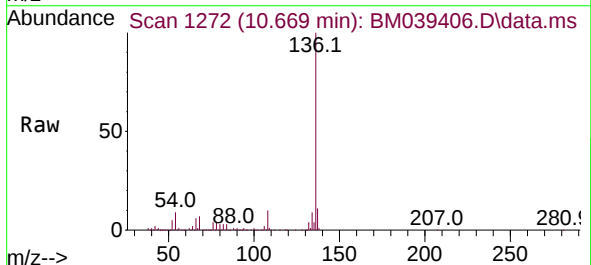
Instrument :  
BNA\_M  
ClientSampleId :  
BS-3-4

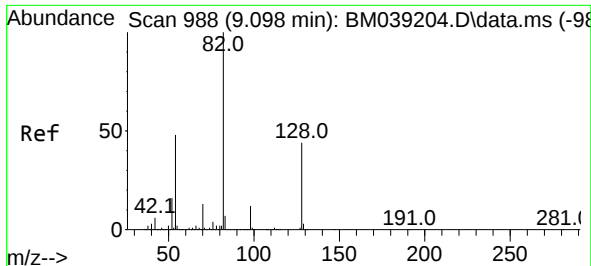
Tgt Ion: 99 Resp: 821191  
Ion Ratio Lower Upper  
99 100  
42 17.2 13.0 19.6  
71 31.9 25.5 38.3



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.669 min Scan# 1272  
Delta R.T. -0.006 min  
Lab File: BM039406.D  
Acq: 12 Apr 2023 16:45

Tgt Ion: 136 Resp: 679908  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.9 13.3  
54 8.5 6.2 9.4  
68 6.7 4.9 7.3

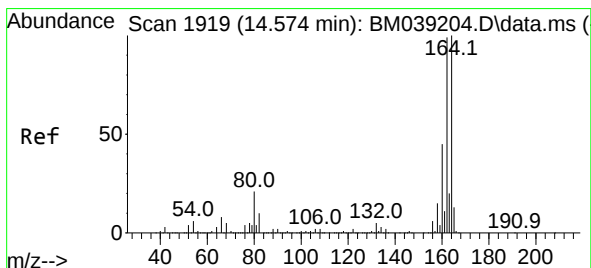
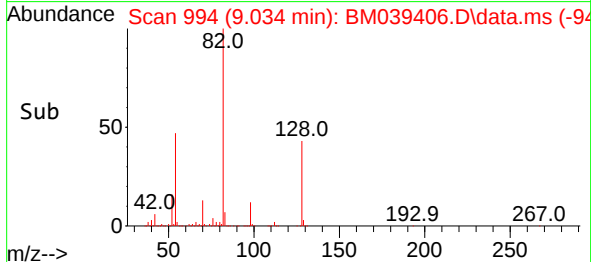
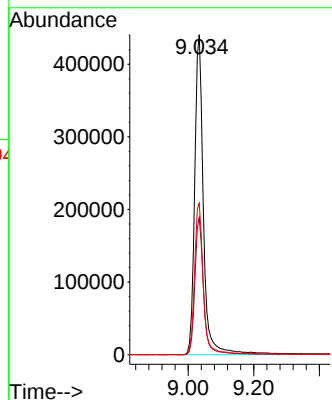
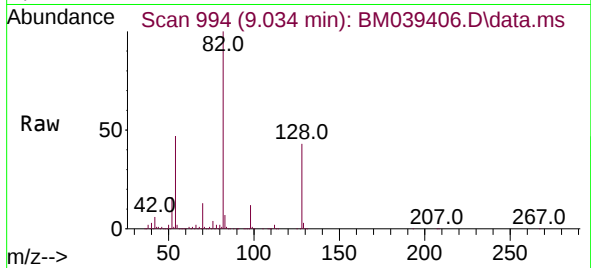




#23  
Nitrobenzene-d5  
Concen: 58.875 ng  
RT: 9.034 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BM039406.D  
Acq: 12 Apr 2023 16:45

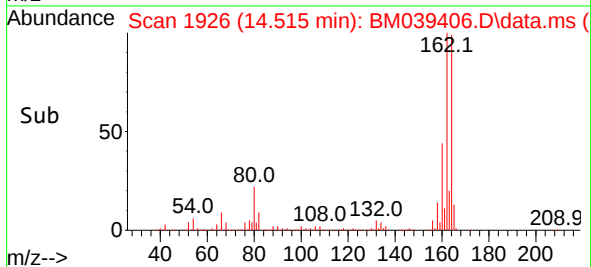
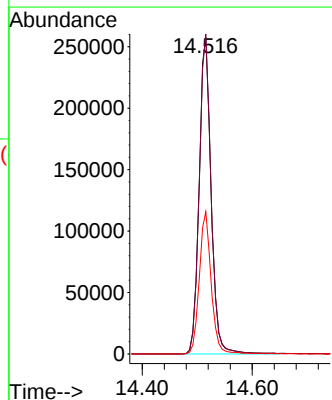
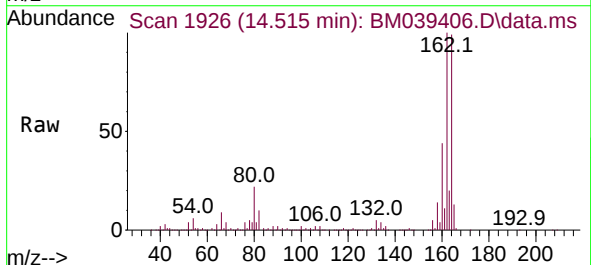
Instrument :  
BNA\_M  
ClientSampleId :  
BS-3-4

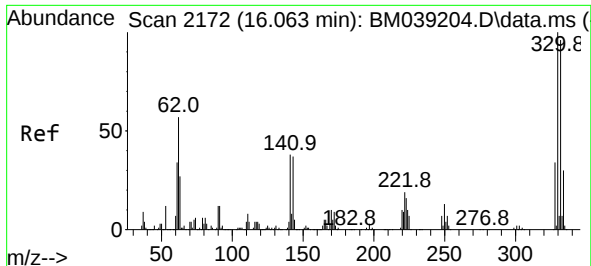
Tgt Ion: 82 Resp: 823616  
Ion Ratio Lower Upper  
82 100  
128 42.8 35.1 52.7  
54 47.3 38.5 57.7



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.515 min Scan# 1926  
Delta R.T. -0.000 min  
Lab File: BM039406.D  
Acq: 12 Apr 2023 16:45

Tgt Ion: 164 Resp: 390655  
Ion Ratio Lower Upper  
164 100  
162 101.0 79.1 118.7  
160 44.9 35.8 53.8





#42

2,4,6-Tribromophenol

Concen: 36.196 ng

RT: 16.010 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039406.D

Acq: 12 Apr 2023 16:45

Instrument :

BNA\_M

ClientSampleId :

BS-3-4

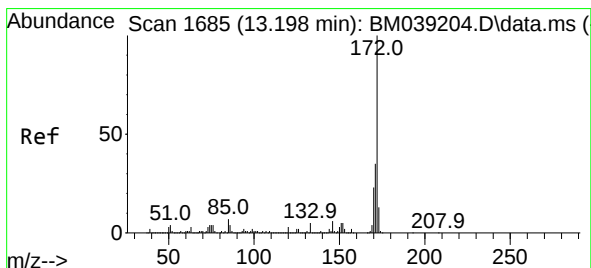
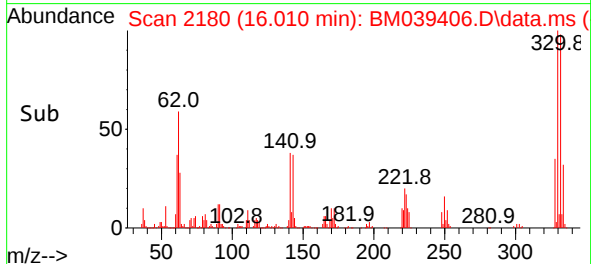
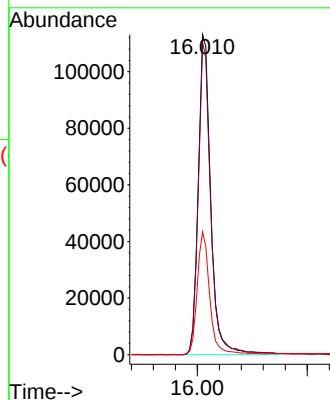
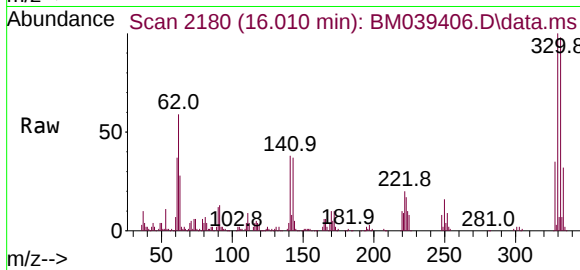
Tgt Ion:330 Resp: 179496

Ion Ratio Lower Upper

330 100

332 97.0 77.4 116.0

141 38.4 29.8 44.6



#45

2-Fluorobiphenyl

Concen: 62.180 ng

RT: 13.139 min Scan# 1692

Delta R.T. -0.000 min

Lab File: BM039406.D

Acq: 12 Apr 2023 16:45

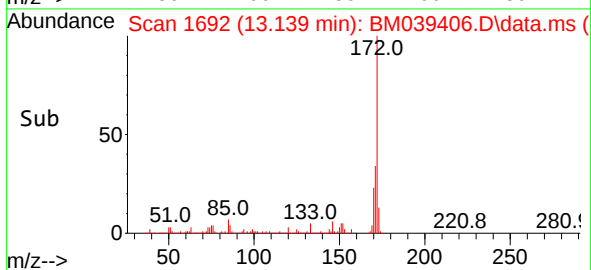
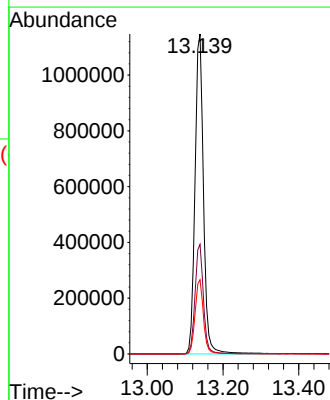
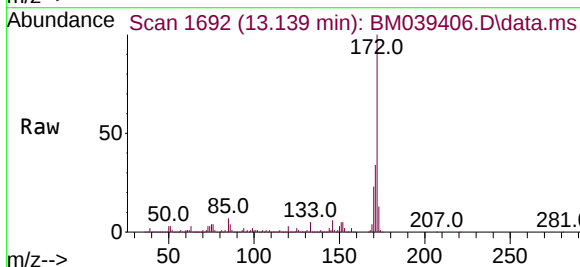
Tgt Ion:172 Resp: 1792796

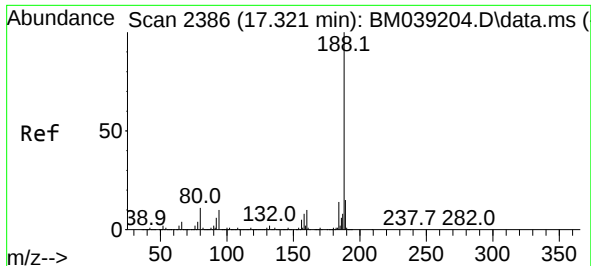
Ion Ratio Lower Upper

172 100

171 34.2 28.0 42.0

170 23.2 18.7 28.1

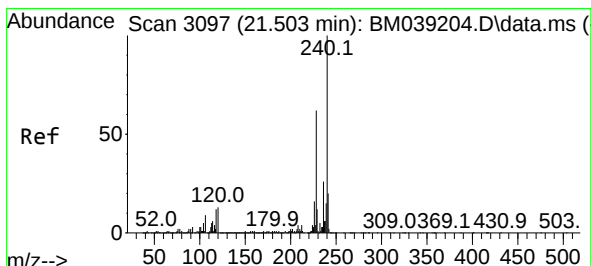
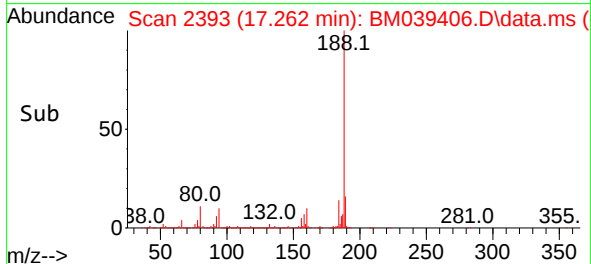
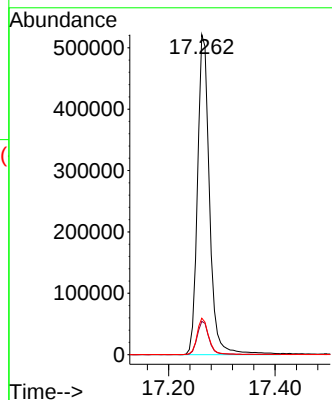
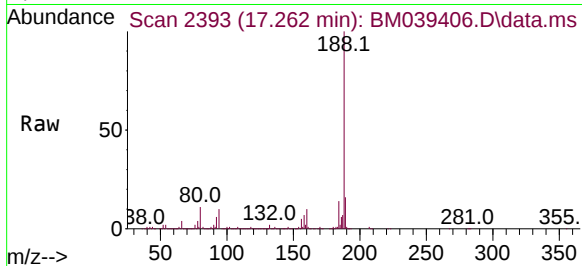




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.262 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BM039406.D  
Acq: 12 Apr 2023 16:45

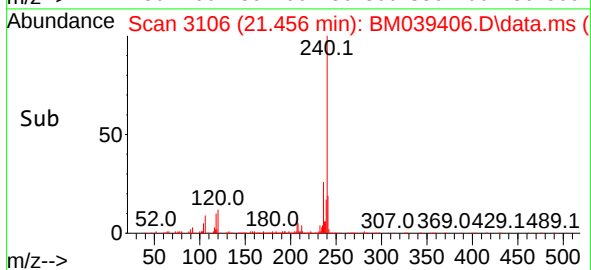
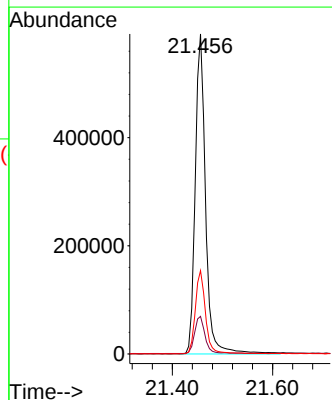
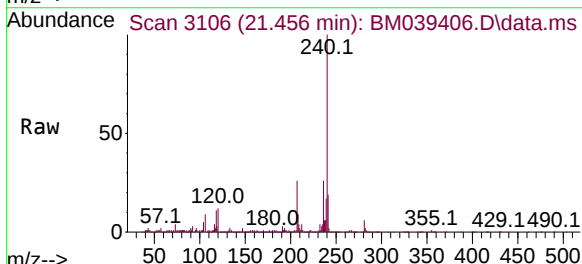
Instrument :  
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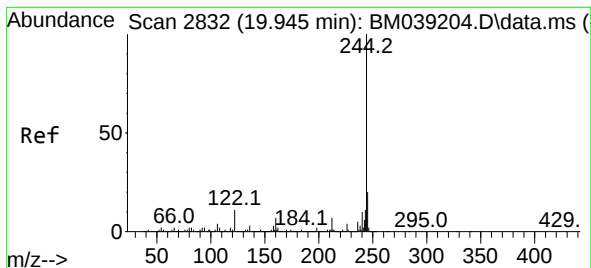
Tgt Ion:188 Resp: 817407  
Ion Ratio Lower Upper  
188 100  
94 10.4 8.2 12.4  
80 11.4 8.9 13.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.456 min Scan# 3106  
Delta R.T. -0.006 min  
Lab File: BM039406.D  
Acq: 12 Apr 2023 16:45

Tgt Ion:240 Resp: 844120  
Ion Ratio Lower Upper  
240 100  
120 11.8 10.2 15.2  
236 26.1 20.9 31.3





#79

Terphenyl-d14

Concen: 63.499 ng

RT: 19.892 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039406.D

Acq: 12 Apr 2023 16:45

Instrument :

BNA\_M

ClientSampleId :

BS-3-4

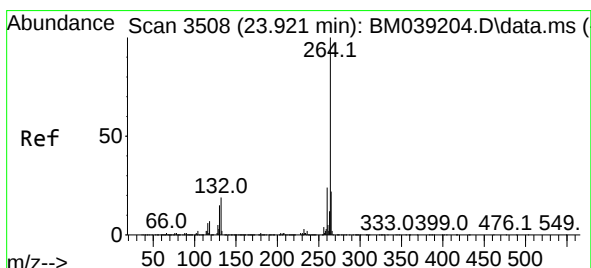
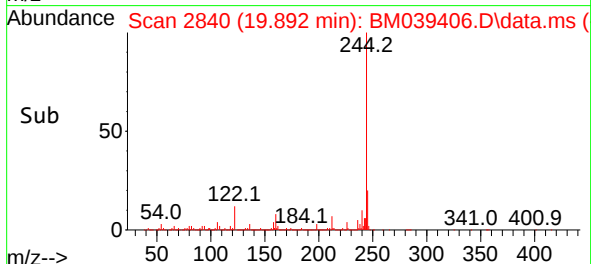
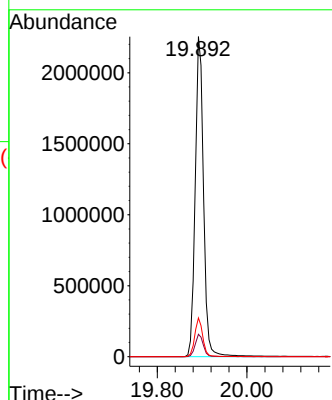
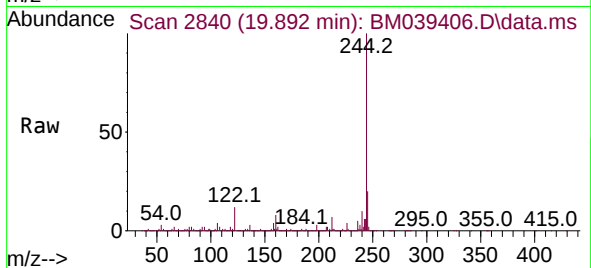
Tgt Ion:244 Resp: 2901175

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 12.1 9.1 13.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.838 min Scan# 3511

Delta R.T. -0.012 min

Lab File: BM039406.D

Acq: 12 Apr 2023 16:45

Tgt Ion:264 Resp: 981814

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.6

265 22.6 18.1 27.1

