

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM091923\  
 Data File : BM041928.D  
 Acq On : 20 Sep 2023 06:29  
 Operator : MA/JU  
 Sample : 04433-01  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PILE-2

Quant Time: Sep 20 07:02:47 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM091823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 19 04:49:34 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.957  | 152  | 253031   | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.775 | 136  | 1017985  | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.604 | 164  | 659373   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.357 | 188  | 1426192  | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.527 | 240  | 1275979  | 20.000  | ng    | -0.02    |
| 86) Perylene-d12            | 23.945 | 264  | 1262014  | 20.000  | ng    | -0.02    |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.499  | 112  | 1901146  | 125.145 | ng    | 0.00     |
| 7) Phenol-d6                | 7.104  | 99   | 2507119  | 118.860 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.151  | 82   | 1512805  | 75.664  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.098 | 330  | 959794   | 116.664 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.228 | 172  | 3349313  | 74.556  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.968 | 244  | 5337540  | 76.186  | ng    | 0.00     |

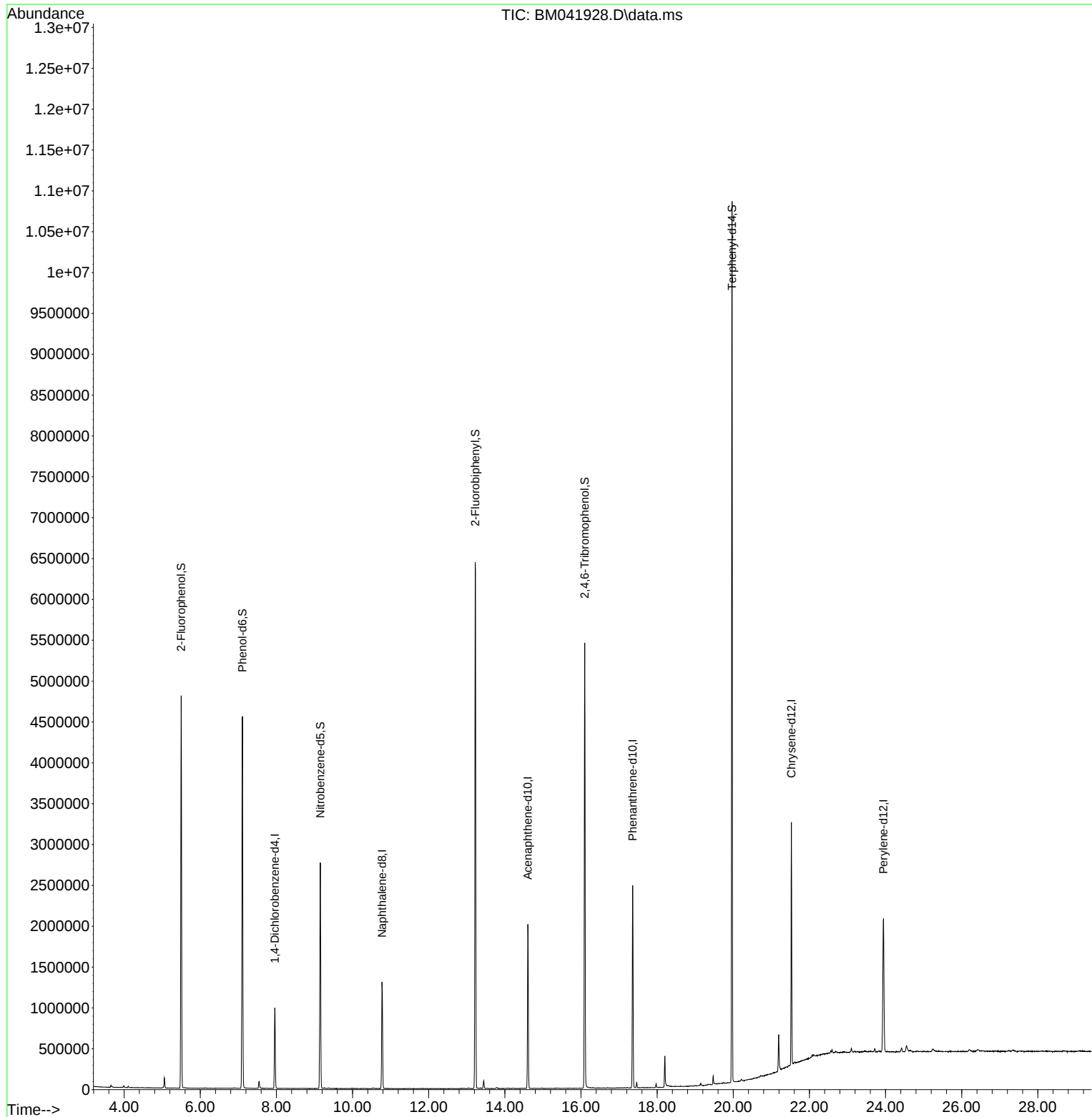
|                  |        |
|------------------|--------|
| Target Compounds | Qvalue |
| -----            |        |

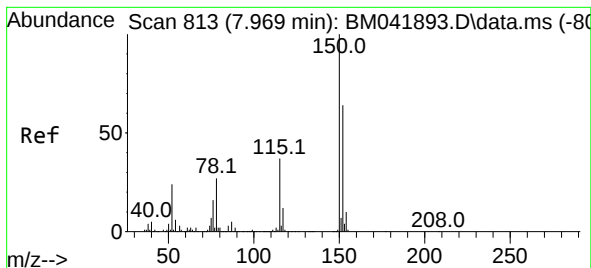
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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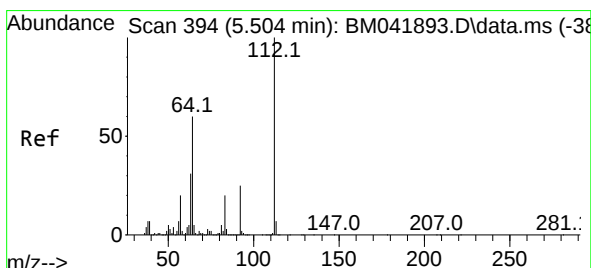
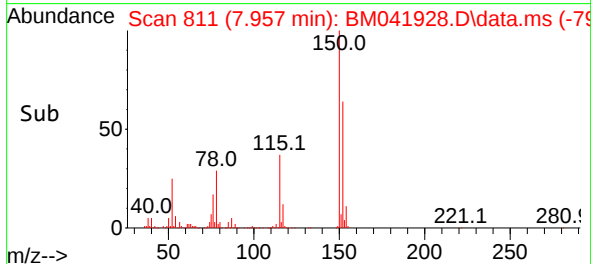
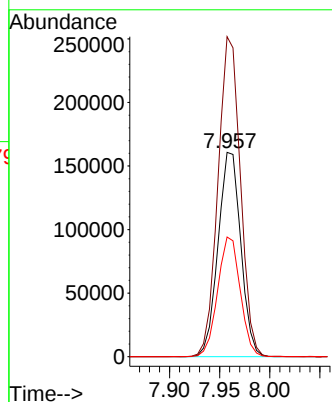
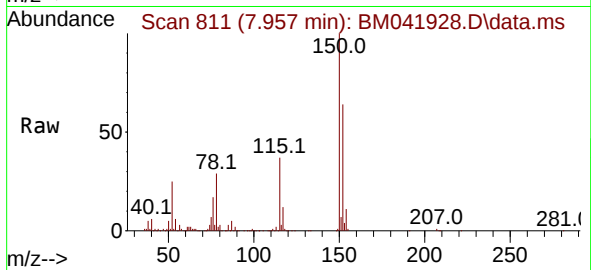




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.957 min Scan# 813  
Delta R.T. -0.012 min  
Lab File: BM041928.D  
Acq: 20 Sep 2023 06:29

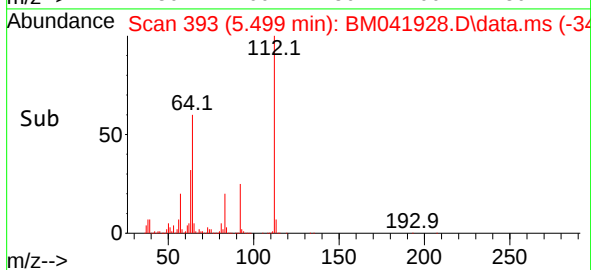
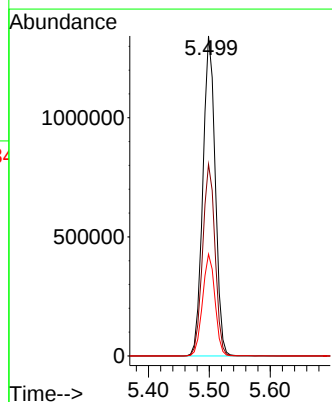
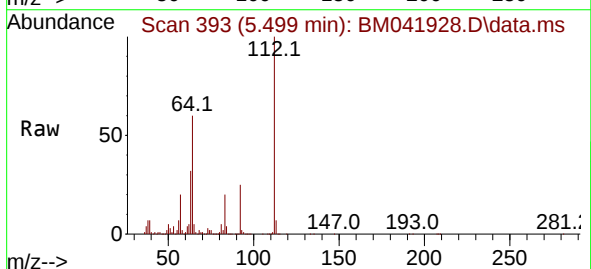
Instrument :  
BNA\_M  
ClientSampleId :  
PILE-2

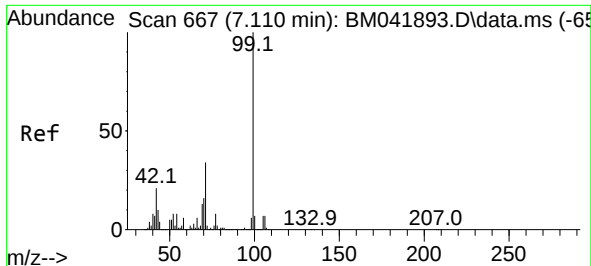
Tgt Ion:152 Resp: 253031  
Ion Ratio Lower Upper  
152 100  
150 156.7 125.9 188.9  
115 58.6 46.8 70.2



#5  
2-Fluorophenol  
Concen: 125.145 ng  
RT: 5.499 min Scan# 393  
Delta R.T. -0.006 min  
Lab File: BM041928.D  
Acq: 20 Sep 2023 06:29

Tgt Ion:112 Resp: 1901146  
Ion Ratio Lower Upper  
112 100  
64 59.9 48.1 72.1  
63 31.8 25.0 37.6



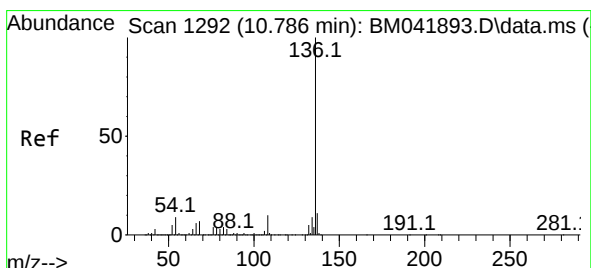
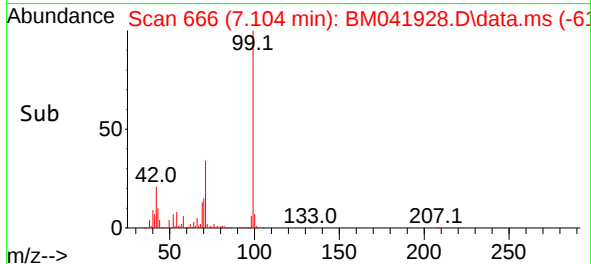
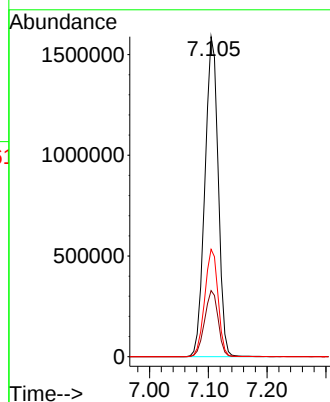
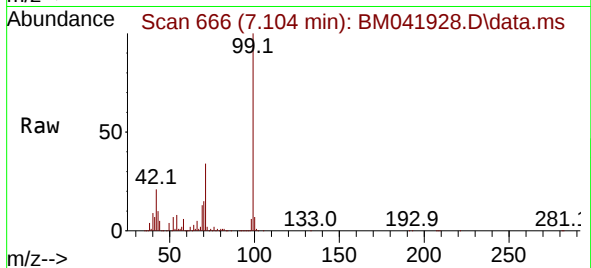


#7  
Phenol-d6  
Concen: 118.860 ng  
RT: 7.104 min Scan# 60  
Delta R.T. -0.006 min  
Lab File: BM041928.D  
Acq: 20 Sep 2023 06:29

Instrument :  
BNA\_M  
ClientSampleId :  
PILE-2

Tgt Ion: 99 Resp: 2507119  

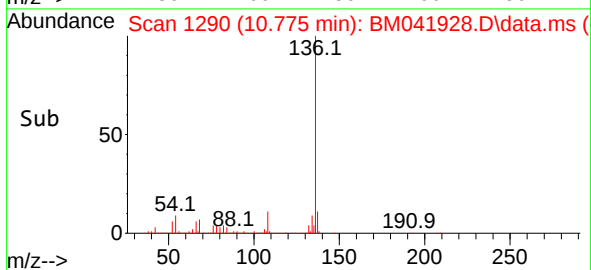
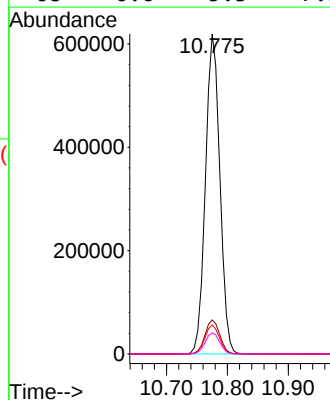
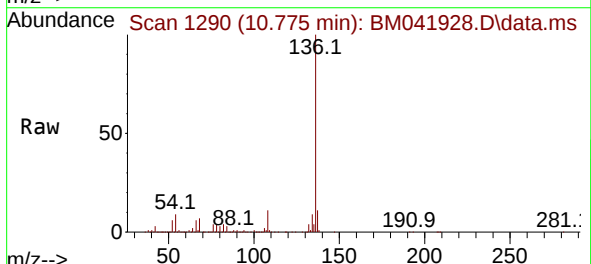
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 20.7  | 16.6  | 25.0  |
| 71  | 33.6  | 26.8  | 40.2  |

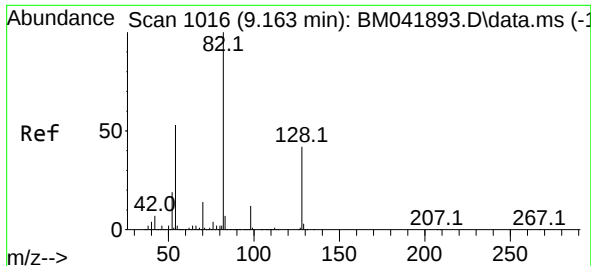


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.775 min Scan# 1290  
Delta R.T. -0.012 min  
Lab File: BM041928.D  
Acq: 20 Sep 2023 06:29

Tgt Ion:136 Resp: 1017985  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.6  | 8.6   | 13.0  |
| 54  | 9.1   | 7.0   | 10.4  |
| 68  | 6.6   | 5.3   | 7.9   |

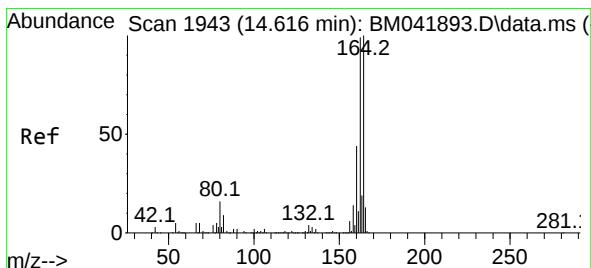
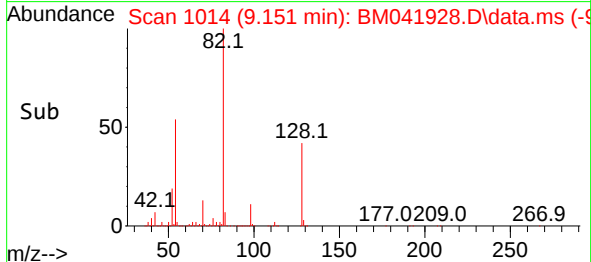
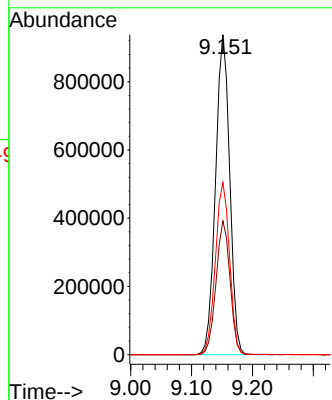
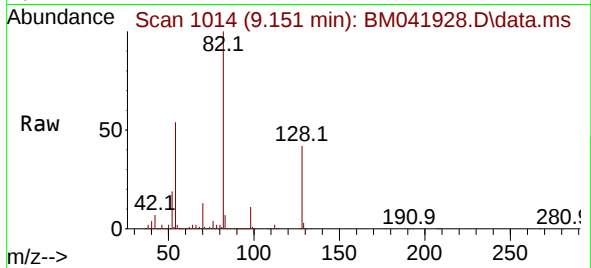




#23  
Nitrobenzene-d5  
Concen: 75.664 ng  
RT: 9.151 min Scan# 1014  
Delta R.T. -0.012 min  
Lab File: BM041928.D  
Acq: 20 Sep 2023 06:29

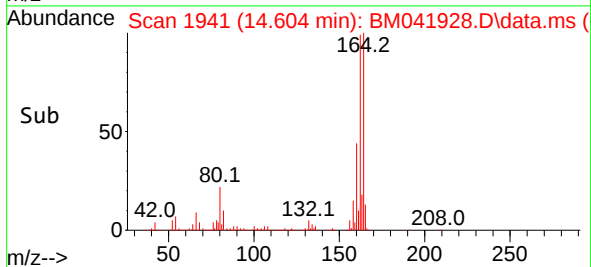
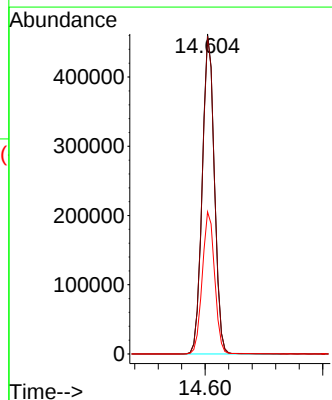
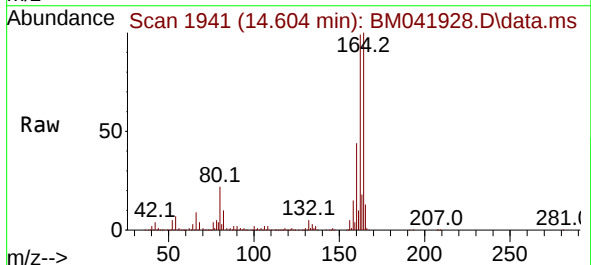
Instrument :  
BNA\_M  
ClientSampleId :  
PILE-2

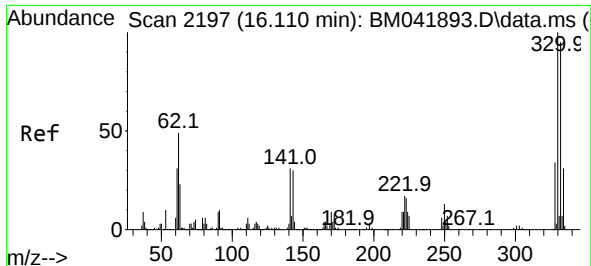
Tgt Ion: 82 Resp: 1512805  
Ion Ratio Lower Upper  
82 100  
128 41.8 33.8 50.6  
54 53.8 42.8 64.2



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.604 min Scan# 1941  
Delta R.T. -0.012 min  
Lab File: BM041928.D  
Acq: 20 Sep 2023 06:29

Tgt Ion:164 Resp: 659373  
Ion Ratio Lower Upper  
164 100  
162 99.3 79.3 118.9  
160 44.4 35.6 53.4

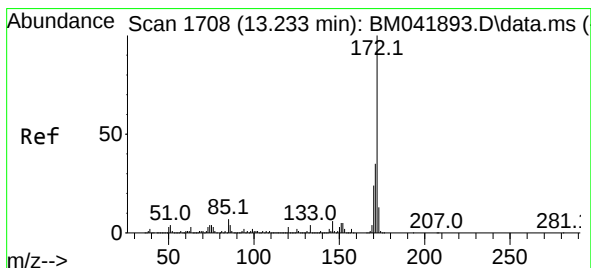
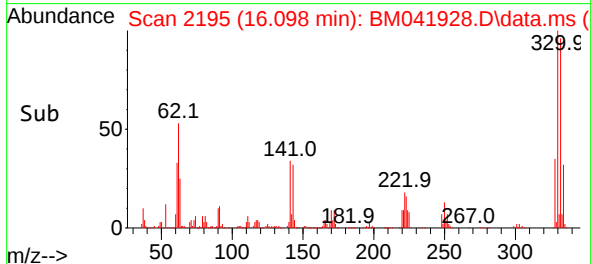
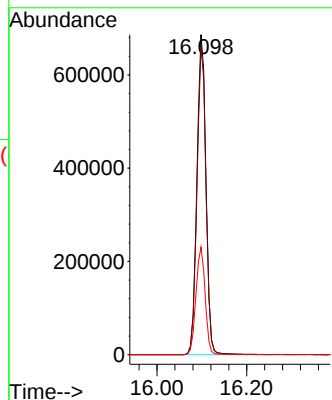
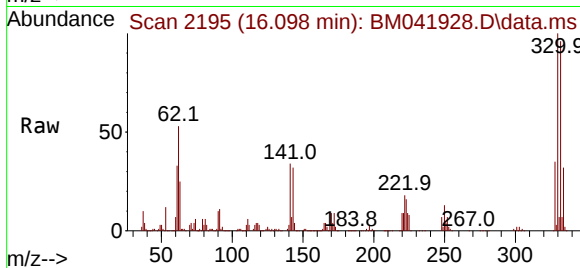




#42  
2,4,6-Tribromophenol  
Concen: 116.664 ng  
RT: 16.098 min Scan# 2197  
Delta R.T. -0.012 min  
Lab File: BM041928.D  
Acq: 20 Sep 2023 06:29

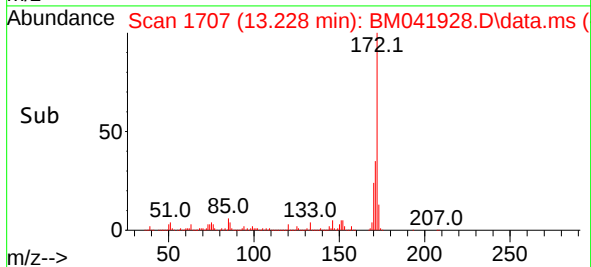
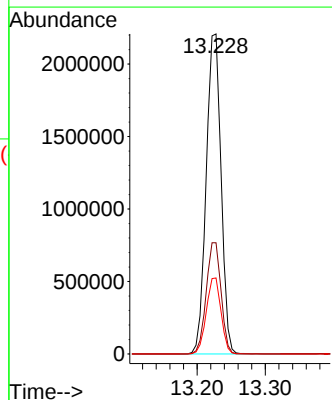
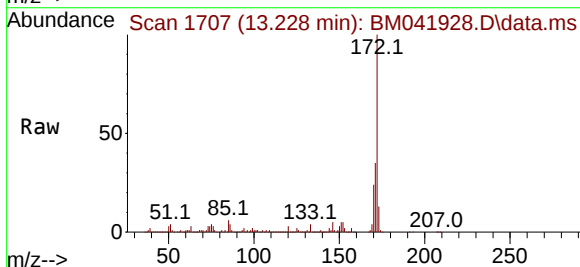
Instrument :  
BNA\_M  
ClientSampleId :  
PILE-2

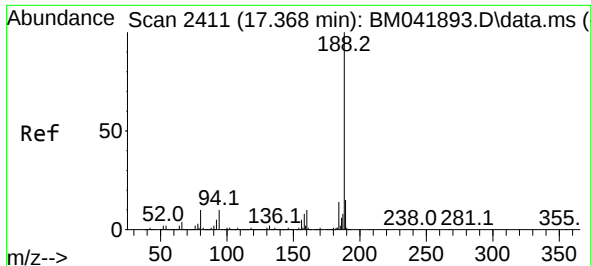
Tgt Ion:330 Resp: 959794  
Ion Ratio Lower Upper  
330 100  
332 96.0 77.8 116.6  
141 34.3 27.0 40.4



#45  
2-Fluorobiphenyl  
Concen: 74.556 ng  
RT: 13.228 min Scan# 1707  
Delta R.T. -0.006 min  
Lab File: BM041928.D  
Acq: 20 Sep 2023 06:29

Tgt Ion:172 Resp: 3349313  
Ion Ratio Lower Upper  
172 100  
171 34.8 28.2 42.4  
170 23.7 19.1 28.7

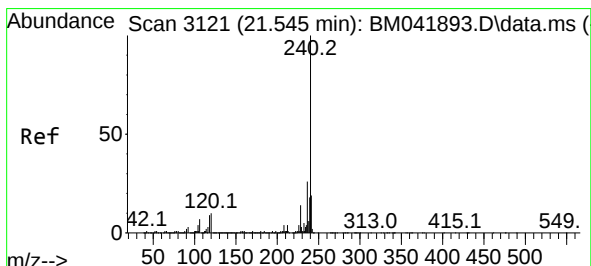
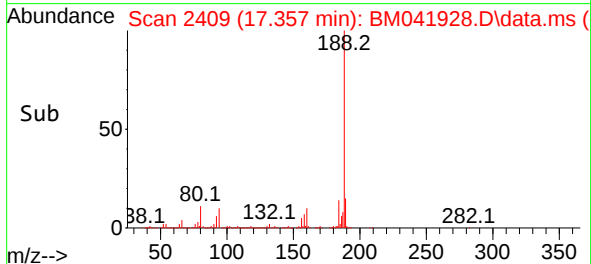
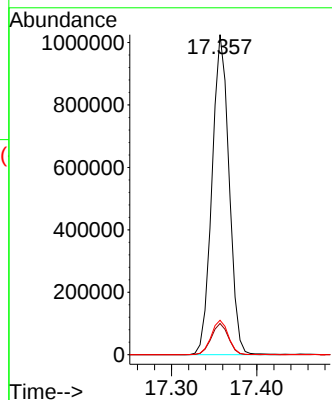
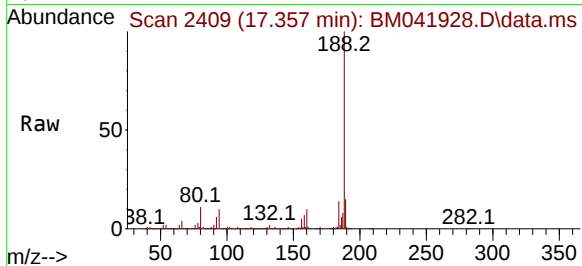




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.357 min Scan# 2411  
Delta R.T. -0.012 min  
Lab File: BM041928.D  
Acq: 20 Sep 2023 06:29

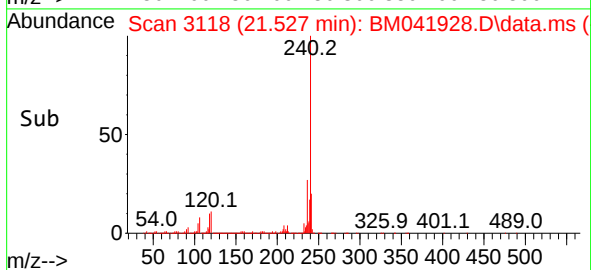
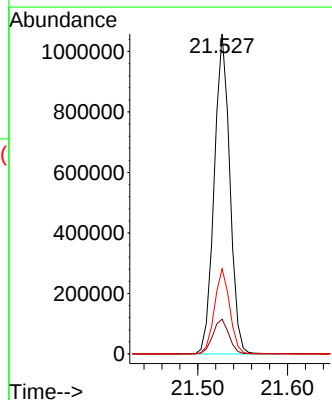
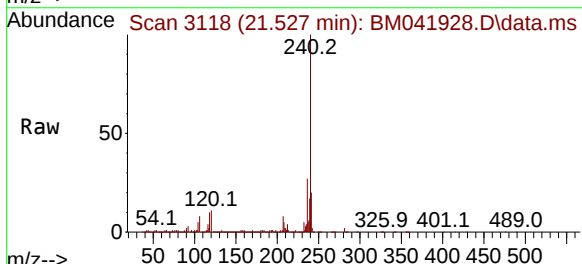
Instrument :  
BNA\_M  
ClientSampleId :  
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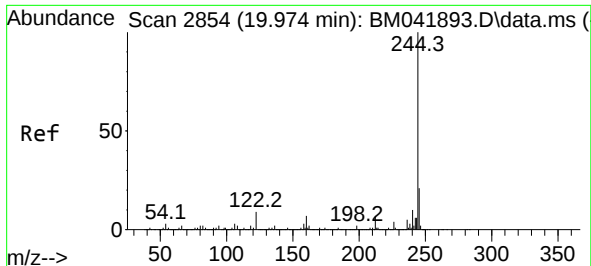
Tgt Ion:188 Resp: 1426192  
Ion Ratio Lower Upper  
188 100  
94 9.8 7.6 11.4  
80 10.7 8.3 12.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.527 min Scan# 3118  
Delta R.T. -0.017 min  
Lab File: BM041928.D  
Acq: 20 Sep 2023 06:29

Tgt Ion:240 Resp: 1275979  
Ion Ratio Lower Upper  
240 100  
120 10.9 8.1 12.1  
236 26.6 20.7 31.1

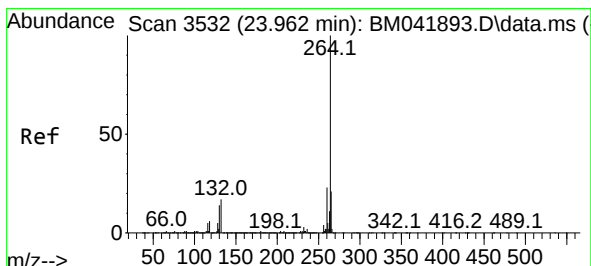
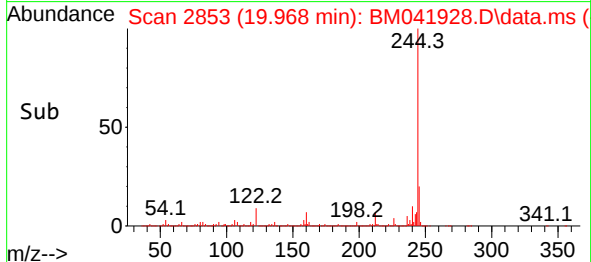
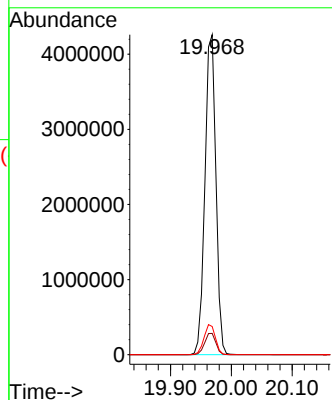
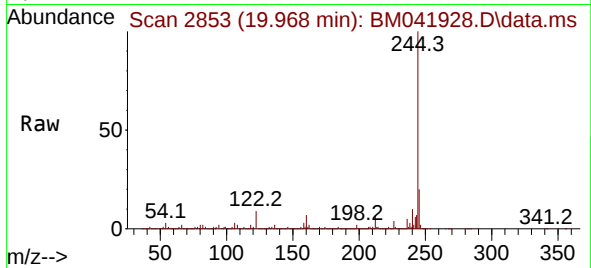




#79  
 Terphenyl-d14  
 Concen: 76.186 ng  
 RT: 19.968 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BM041928.D  
 Acq: 20 Sep 2023 06:29

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PILE-2

Tgt Ion:244 Resp: 5337540  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.7 8.5  
 122 8.8 7.4 11.0



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.945 min Scan# 3529  
 Delta R.T. -0.017 min  
 Lab File: BM041928.D  
 Acq: 20 Sep 2023 06:29

Tgt Ion:264 Resp: 1262014  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 18.6 28.0  
 265 22.4 17.0 25.6

