

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM060923\  
 Data File : BM040185.D  
 Acq On : 09 Jun 2023 11:13  
 Operator : MA/JU  
 Sample : 02953-06  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PNNL-RH-524-2

Quant Time: Jun 09 12:46:48 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM060823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 08 23:25:50 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.987  | 152  | 379511   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.798 | 136  | 1587591  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.622 | 164  | 926990   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.368 | 188  | 1985880  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.545 | 240  | 1562378  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 23.980 | 264  | 1548687  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.540  | 112  | 3777071  | 148.606 | ng    | 0.00     |
| 7) Phenol-d6                | 7.146  | 99   | 4414412  | 127.283 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.157  | 82   | 2746675  | 93.642  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.116 | 330  | 2474158  | 177.396 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.251 | 172  | 7088308  | 101.066 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.986 | 244  | 11542779 | 136.190 | ng    | 0.00     |

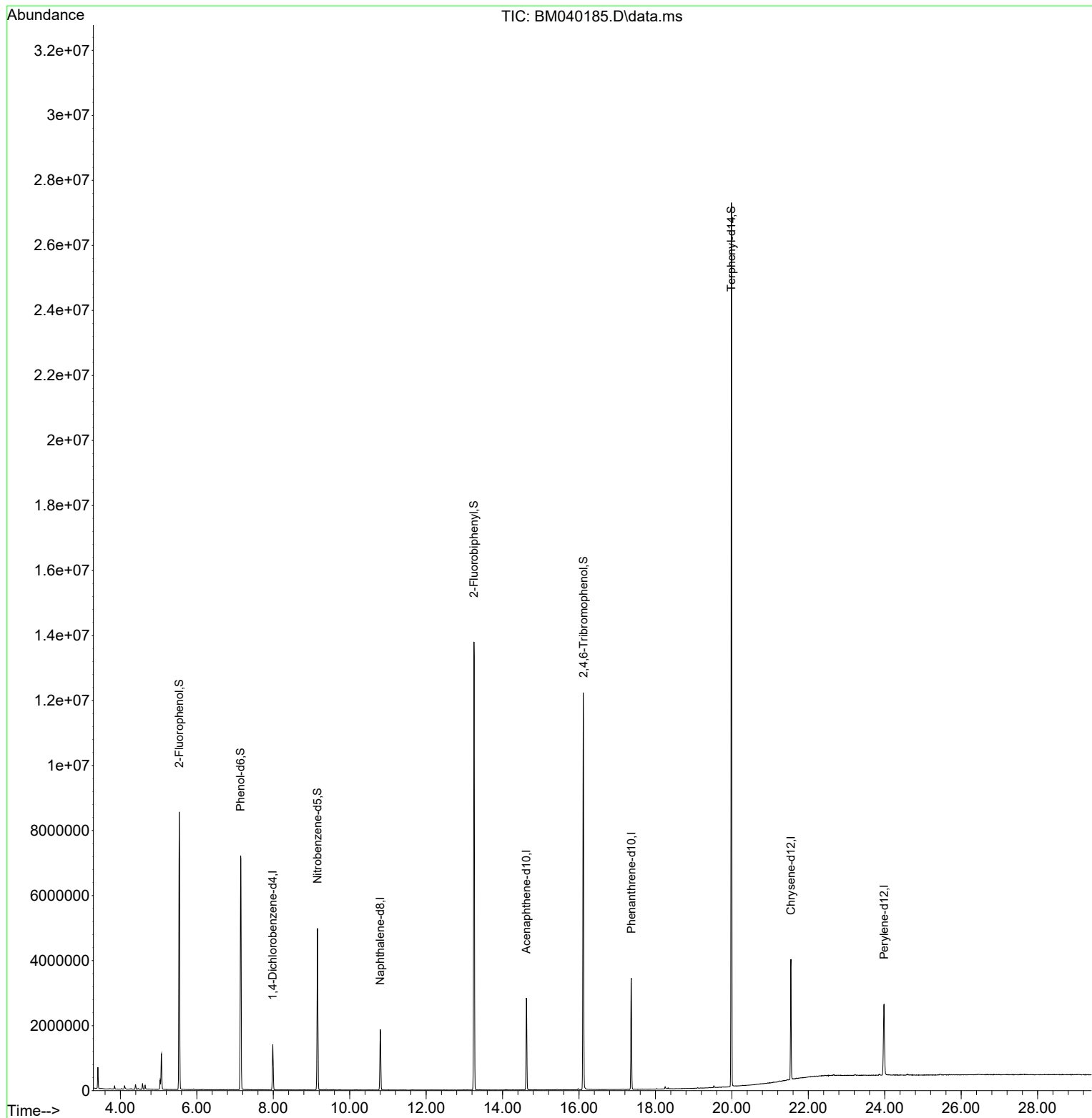
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

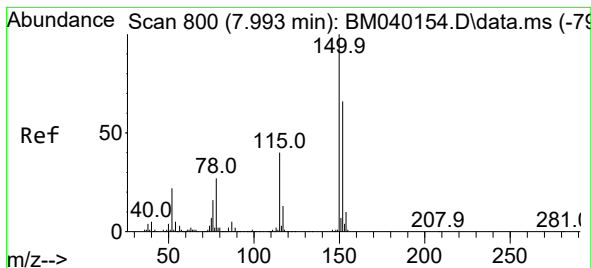
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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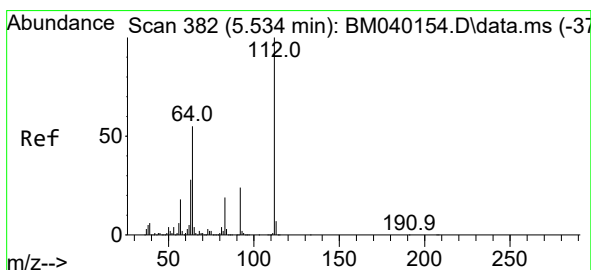
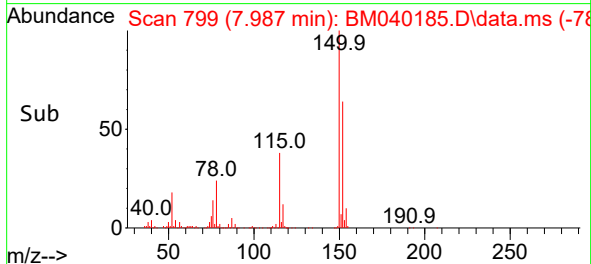
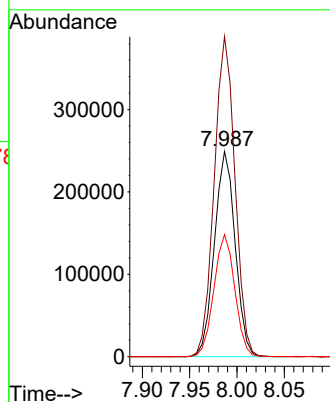
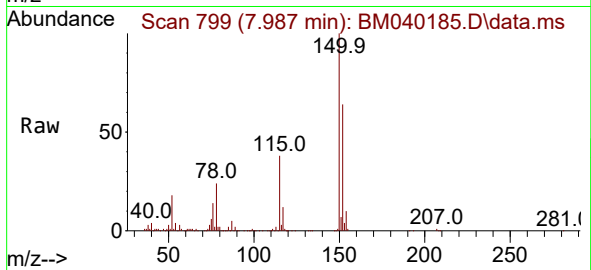




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.987 min Scan# 79  
Delta R.T. -0.006 min  
Lab File: BM040185.D  
Acq: 09 Jun 2023 11:13

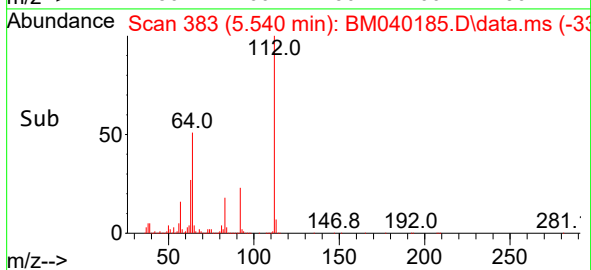
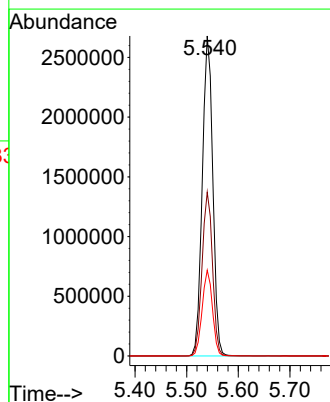
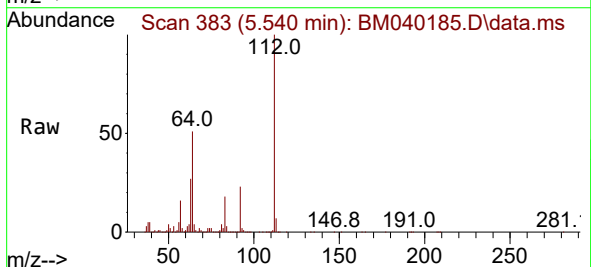
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BNA\_M  
ClientSampleId :  
PNNL-RH-524-2

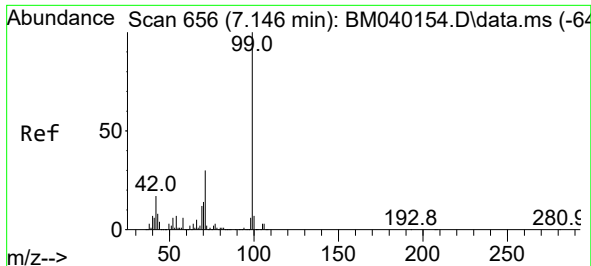
Tgt Ion:152 Resp: 379511  
Ion Ratio Lower Upper  
152 100  
150 155.9 121.4 182.0  
115 59.5 48.2 72.4



#5  
2-Fluorophenol  
Concen: 148.606 ng  
RT: 5.540 min Scan# 383  
Delta R.T. 0.006 min  
Lab File: BM040185.D  
Acq: 09 Jun 2023 11:13

Tgt Ion:112 Resp: 3777071  
Ion Ratio Lower Upper  
112 100  
64 51.2 43.8 65.6  
63 26.8 22.8 34.2

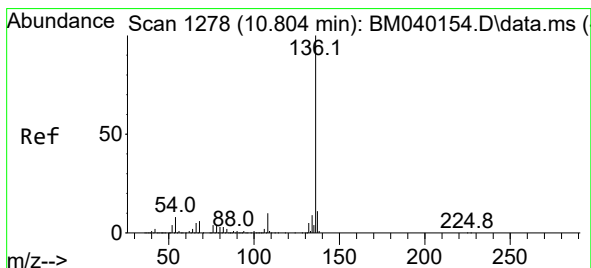
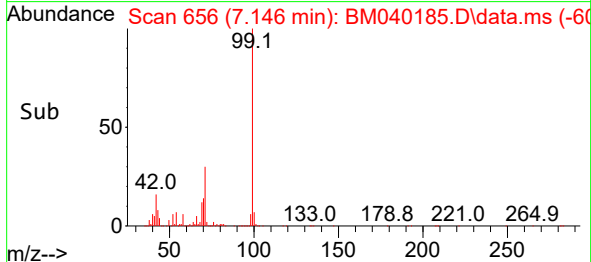
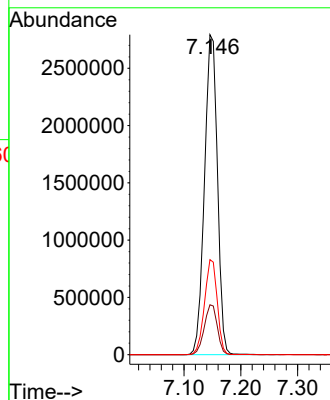
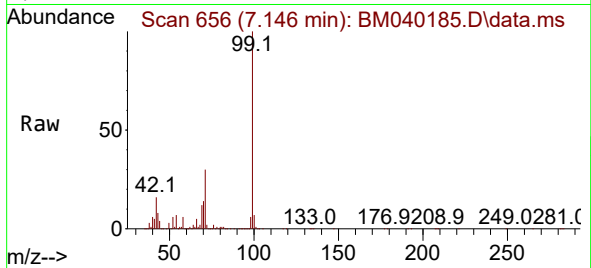




#7  
Phenol-d6  
Concen: 127.283 ng  
RT: 7.146 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BM040185.D  
Acq: 09 Jun 2023 11:13

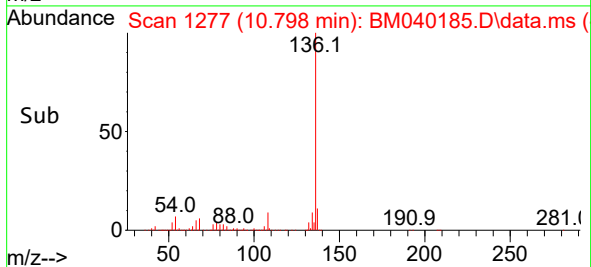
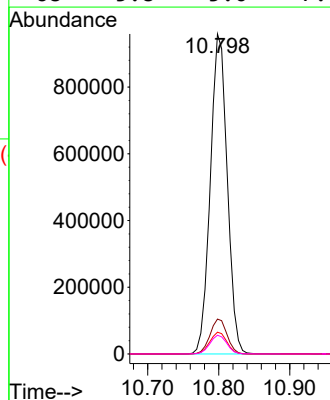
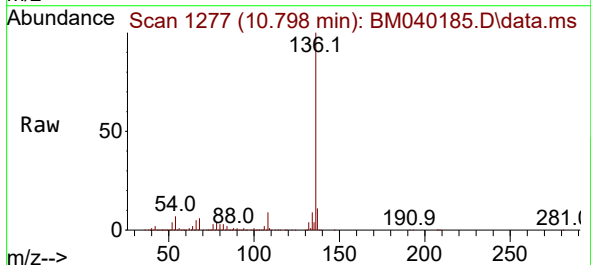
Instrument :  
BNA\_M  
ClientSampleId :  
PNNL-RH-524-2

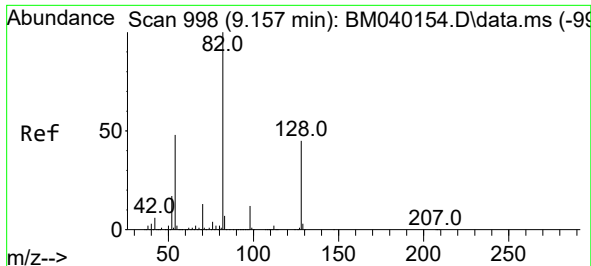
Tgt Ion: 99 Resp: 4414412  
Ion Ratio Lower Upper  
99 100  
42 15.6 13.4 20.2  
71 29.7 24.3 36.5



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.798 min Scan# 1277  
Delta R.T. -0.006 min  
Lab File: BM040185.D  
Acq: 09 Jun 2023 11:13

Tgt Ion: 136 Resp: 1587591  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.8 13.2  
54 6.8 6.2 9.4  
68 5.8 5.0 7.4

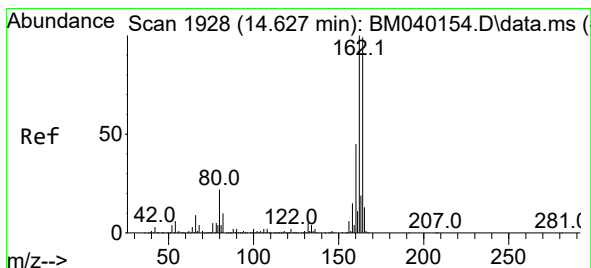
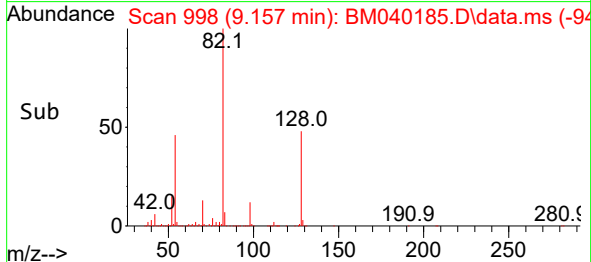
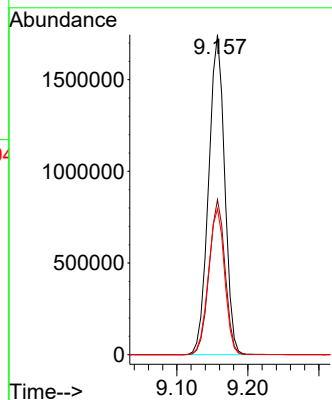
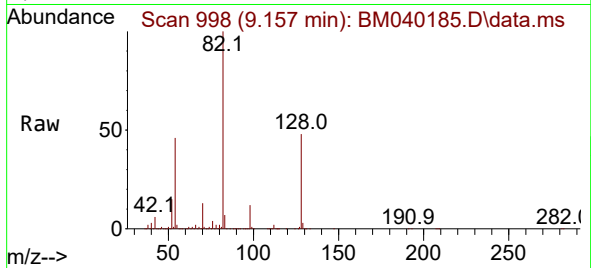




#23  
Nitrobenzene-d5  
Concen: 93.642 ng  
RT: 9.157 min Scan# 998  
Delta R.T. 0.000 min  
Lab File: BM040185.D  
Acq: 09 Jun 2023 11:13

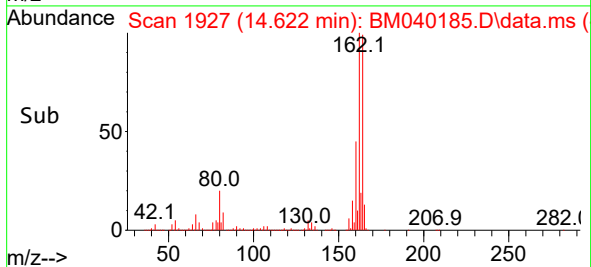
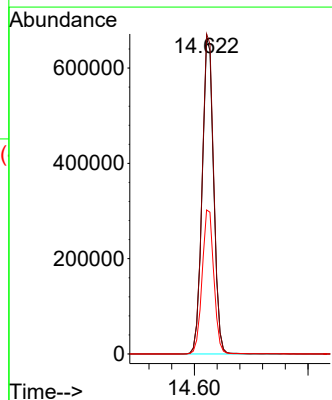
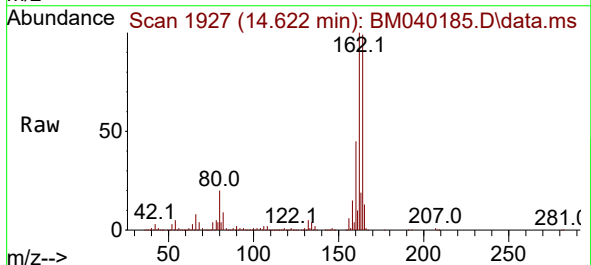
Instrument :  
BNA\_M  
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PNNL-RH-524-2

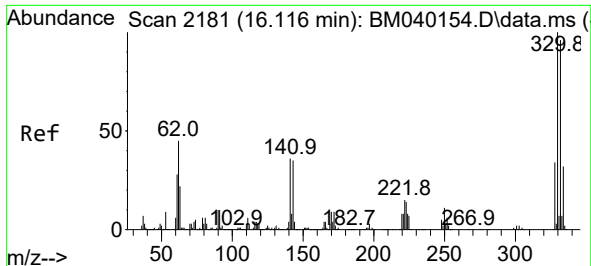
Tgt Ion: 82 Resp: 2746675  
Ion Ratio Lower Upper  
82 100  
128 48.4 36.0 54.0  
54 45.6 38.5 57.7



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.622 min Scan# 1927  
Delta R.T. -0.005 min  
Lab File: BM040185.D  
Acq: 09 Jun 2023 11:13

Tgt Ion: 164 Resp: 926990  
Ion Ratio Lower Upper  
164 100  
162 101.2 80.4 120.6  
160 45.6 35.9 53.9

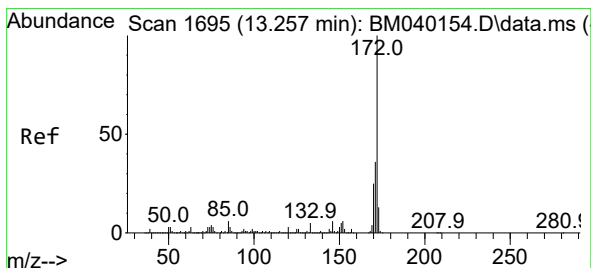
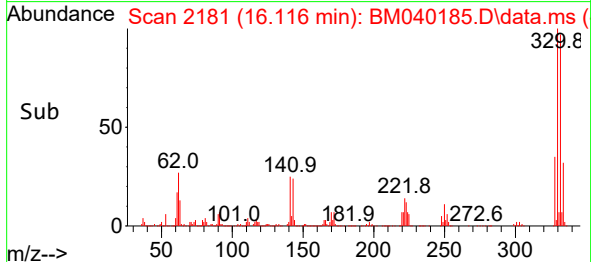
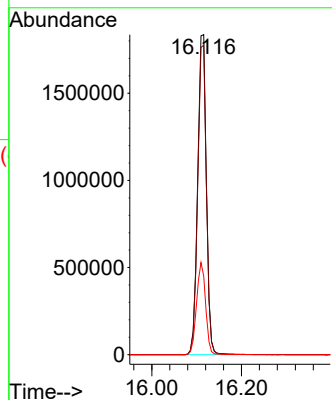
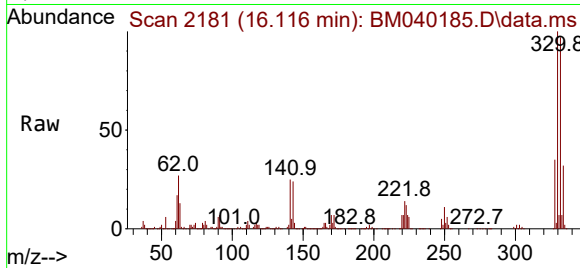




#42  
2,4,6-Tribromophenol  
Concen: 177.396 ng  
RT: 16.116 min Scan# 2181  
Delta R.T. -0.000 min  
Lab File: BM040185.D  
Acq: 09 Jun 2023 11:13

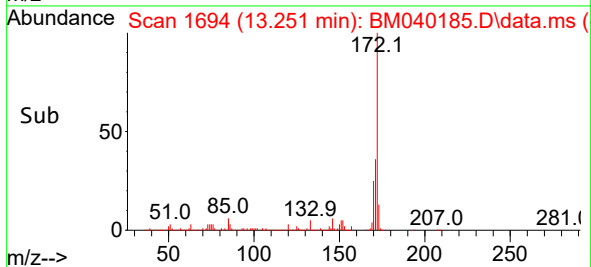
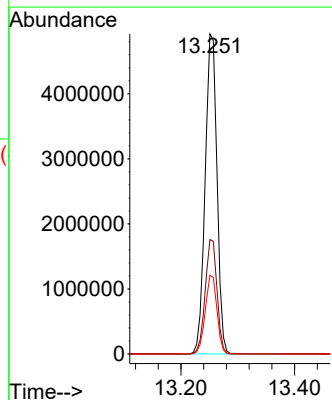
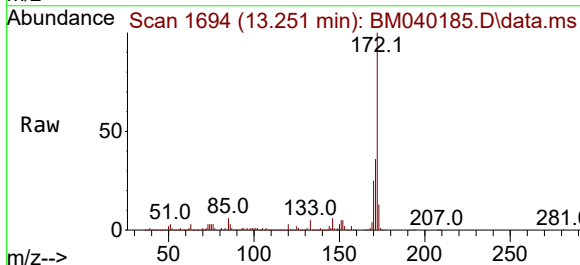
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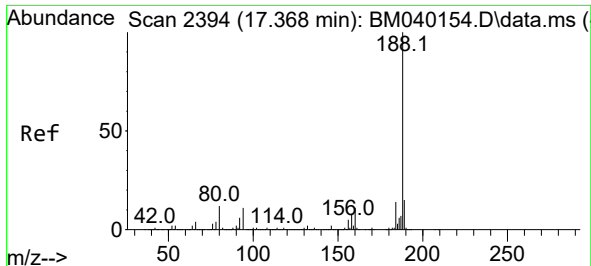
Tgt Ion:330 Resp: 2474158  
Ion Ratio Lower Upper  
330 100  
332 96.4 77.1 115.7  
141 29.9 31.6 47.4#



#45  
2-Fluorobiphenyl  
Concen: 101.066 ng  
RT: 13.251 min Scan# 1694  
Delta R.T. -0.006 min  
Lab File: BM040185.D  
Acq: 09 Jun 2023 11:13

Tgt Ion:172 Resp: 7088308  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.8 43.2  
170 24.6 19.8 29.6

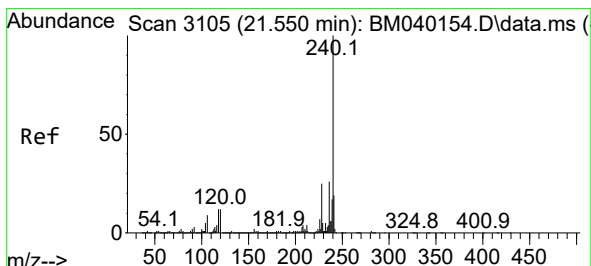
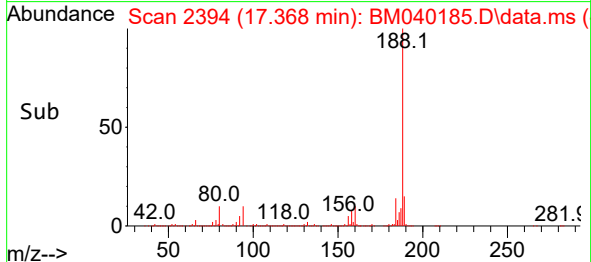
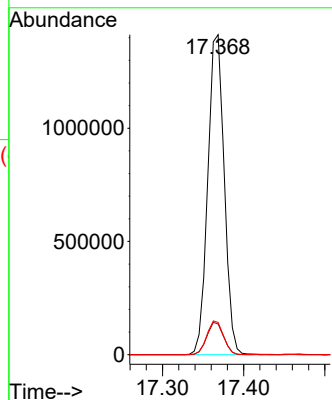
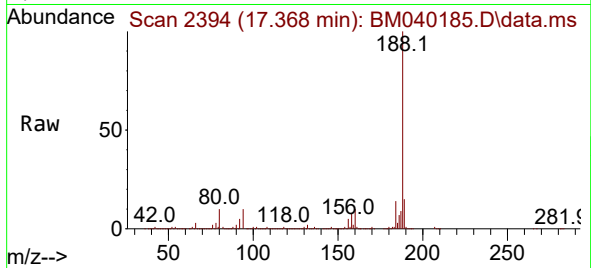




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.368 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM040185.D  
Acq: 09 Jun 2023 11:13

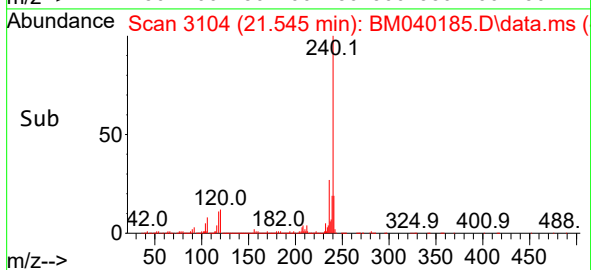
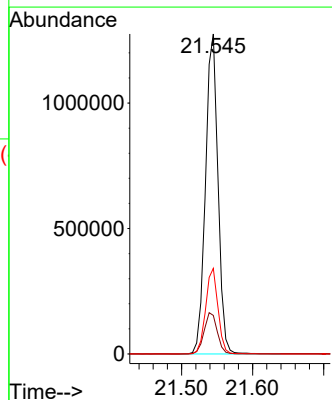
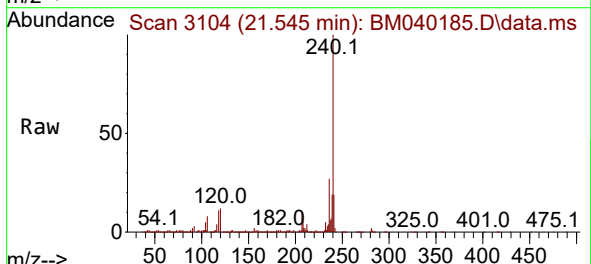
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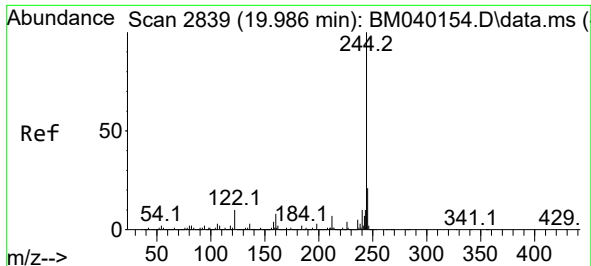
Tgt Ion:188 Resp: 1985880  
Ion Ratio Lower Upper  
188 100  
94 9.6 8.9 13.3  
80 10.1 9.6 14.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.545 min Scan# 3104  
Delta R.T. -0.006 min  
Lab File: BM040185.D  
Acq: 09 Jun 2023 11:13

Tgt Ion:240 Resp: 1562378  
Ion Ratio Lower Upper  
240 100  
120 12.1 9.9 14.9  
236 26.8 21.1 31.7

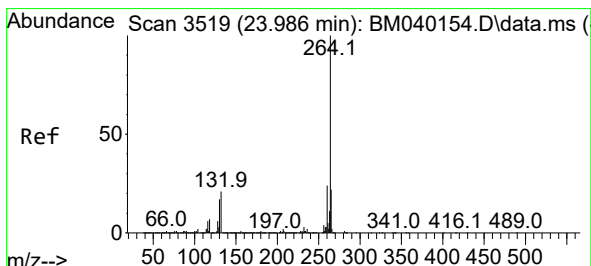
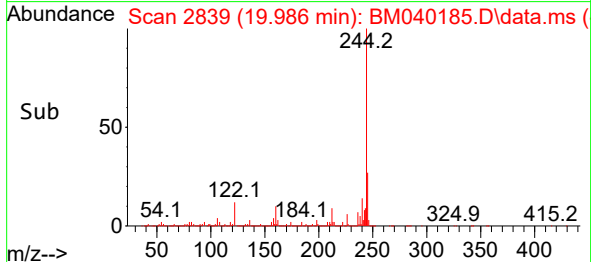
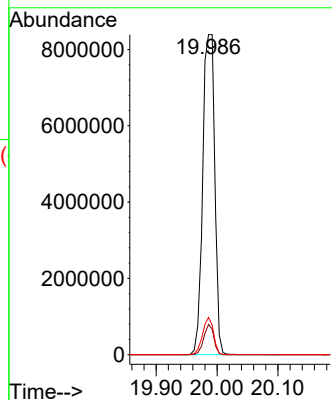
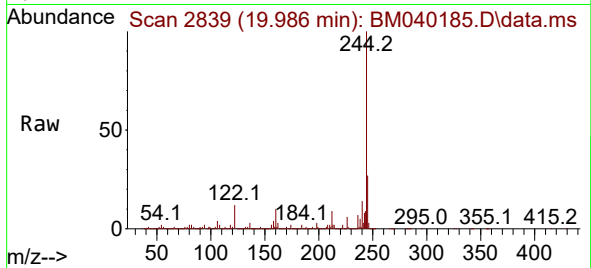




#79  
 Terphenyl-d14  
 Concen: 136.190 ng  
 RT: 19.986 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BM040185.D  
 Acq: 09 Jun 2023 11:13

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PNNL-RH-524-2

Tgt Ion:244 Resp:11542779  
 Ion Ratio Lower Upper  
 244 100  
 212 9.5 5.7 8.5#  
 122 11.7 7.9 11.9



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.980 min Scan# 3518  
 Delta R.T. -0.006 min  
 Lab File: BM040185.D  
 Acq: 09 Jun 2023 11:13

Tgt Ion:264 Resp: 1548687  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.1 28.7  
 265 21.3 17.7 26.5

