

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032624\  
 Data File : BM044765.D  
 Acq On : 26 Mar 2024 12:53  
 Operator : MA/JU  
 Sample : PB159773BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB159773BL

Quant Time: Mar 26 13:21:47 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM031324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 14 02:28:24 2024  
 Response via : Initial Calibration

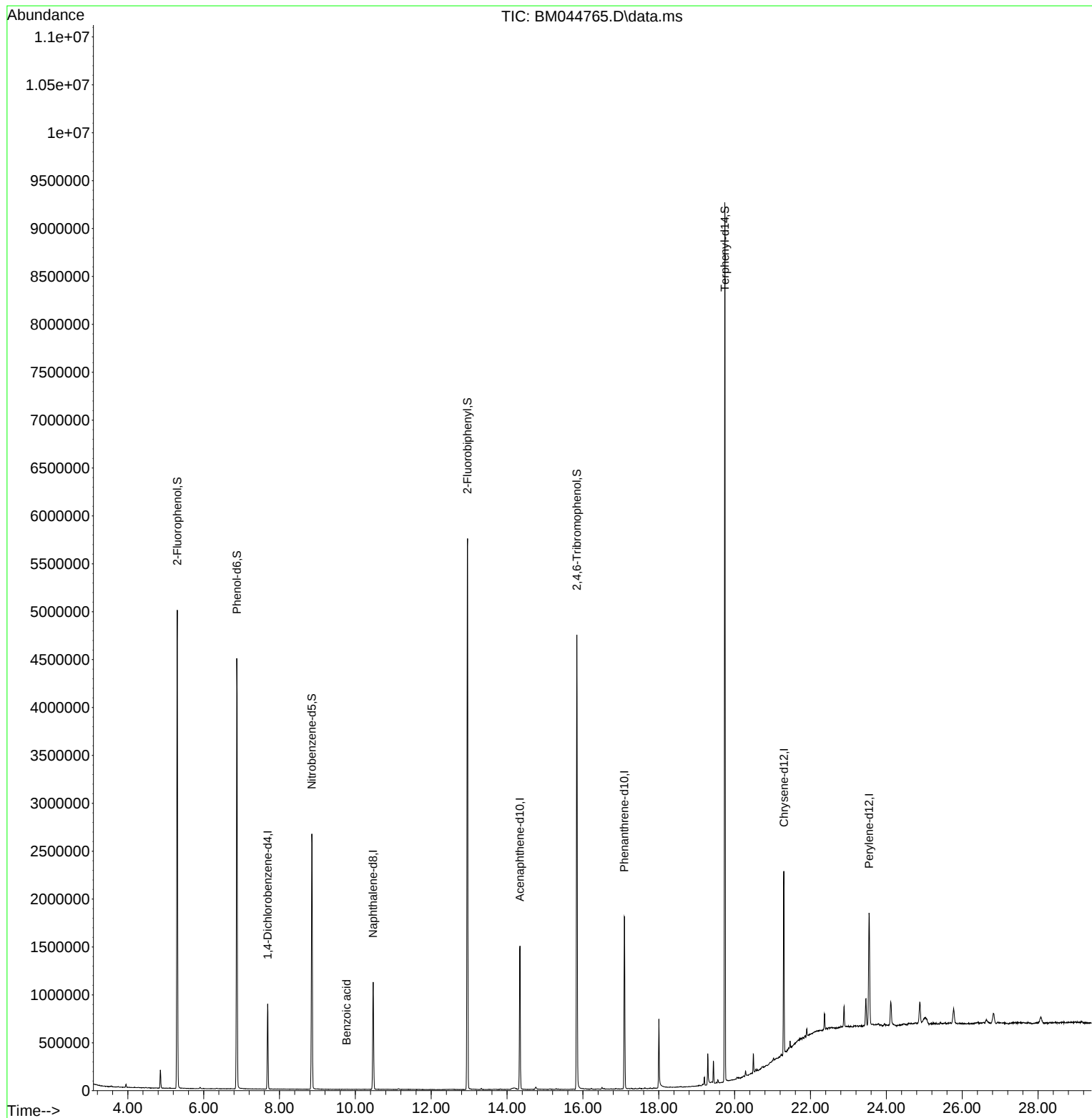
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min)    |
|-----------------------------|--------|------|----------|---------|-------|-------------|
| -----                       |        |      |          |         |       |             |
| Internal Standards          |        |      |          |         |       |             |
| 1) 1,4-Dichlorobenzene-d4   | 7.687  | 152  | 226635   | 20.000  | ng    | -0.02       |
| 21) Naphthalene-d8          | 10.469 | 136  | 906933   | 20.000  | ng    | -0.02       |
| 39) Acenaphthene-d10        | 14.339 | 164  | 512596   | 20.000  | ng    | -0.01       |
| 64) Phenanthrene-d10        | 17.092 | 188  | 1084708  | 20.000  | ng    | -0.01       |
| 76) Chrysene-d12            | 21.297 | 240  | 866878   | 20.000  | ng    | 0.00        |
| 86) Perylene-d12            | 23.544 | 264  | 868713   | 20.000  | ng    | 0.00        |
| System Monitoring Compounds |        |      |          |         |       |             |
| 5) 2-Fluorophenol           | 5.304  | 112  | 1973619  | 125.033 | ng    | 0.00        |
| 7) Phenol-d6                | 6.875  | 99   | 2411980  | 118.774 | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 8.851  | 82   | 1507238  | 80.063  | ng    | -0.01       |
| 42) 2,4,6-Tribromophenol    | 15.839 | 330  | 798187   | 141.178 | ng    | 0.00        |
| 45) 2-Fluorobiphenyl        | 12.957 | 172  | 2981679  | 80.110  | ng    | -0.01       |
| 79) Terphenyl-d14           | 19.745 | 244  | 4417924  | 89.153  | ng    | 0.00        |
| Target Compounds            |        |      |          |         |       |             |
| 32) Benzoic acid            | 9.769  | 122  | 535      | 3.663   | ng    | Qvalue # 61 |
| -----                       |        |      |          |         |       |             |

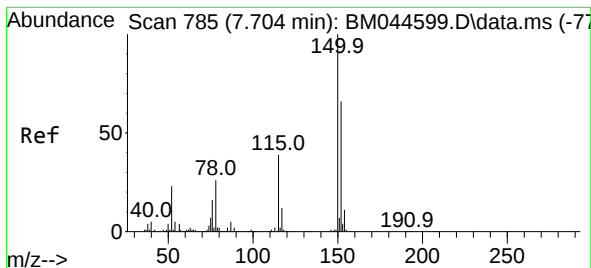
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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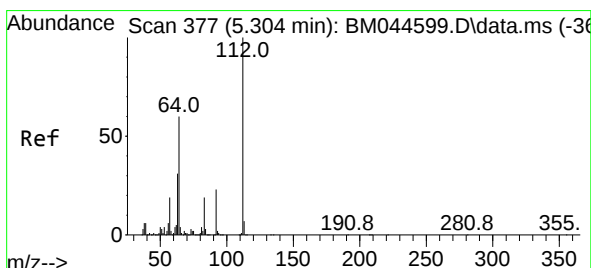
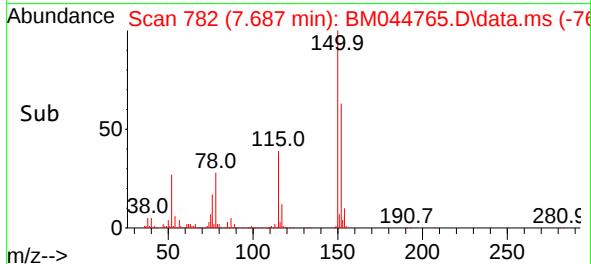
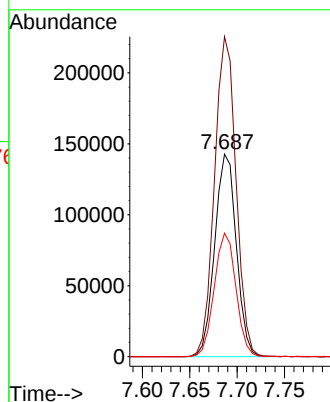
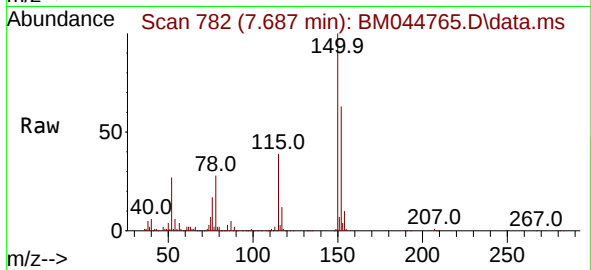




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.687 min Scan# 71  
Delta R.T. -0.017 min  
Lab File: BM044765.D  
Acq: 26 Mar 2024 12:53

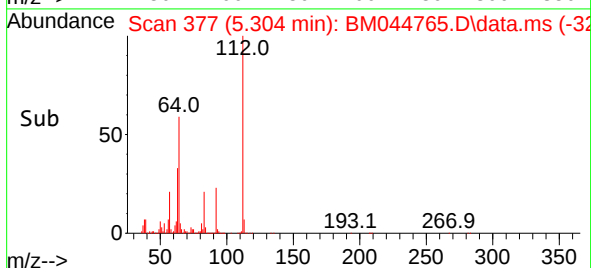
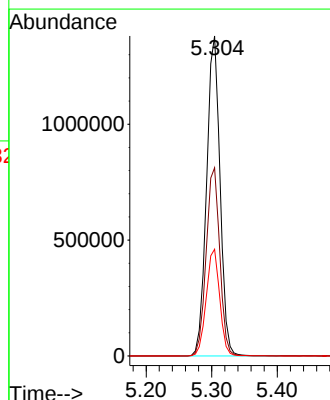
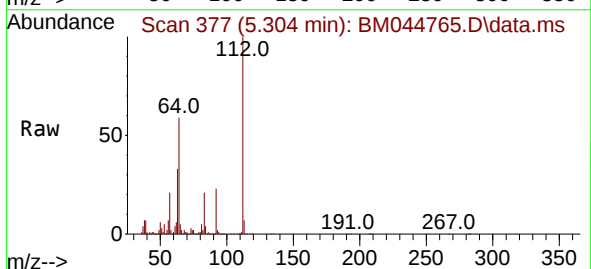
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BL

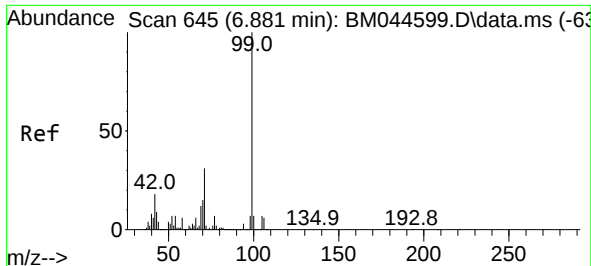
Tgt Ion:152 Resp: 226635  
Ion Ratio Lower Upper  
152 100  
150 158.0 121.9 182.9  
115 61.0 47.1 70.7



#5  
2-Fluorophenol  
Concen: 125.033 ng  
RT: 5.304 min Scan# 377  
Delta R.T. 0.000 min  
Lab File: BM044765.D  
Acq: 26 Mar 2024 12:53

Tgt Ion:112 Resp: 1973619  
Ion Ratio Lower Upper  
112 100  
64 58.8 47.9 71.9  
63 33.4 25.0 37.4

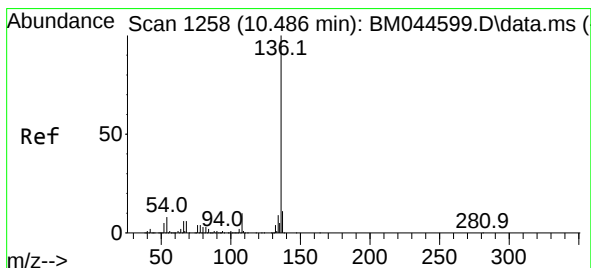
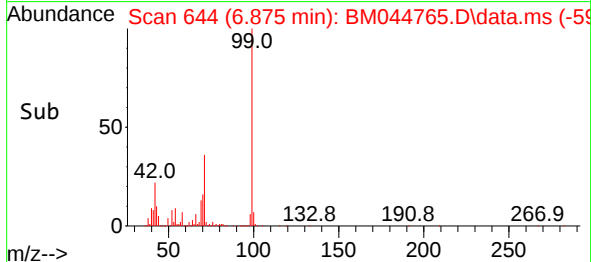
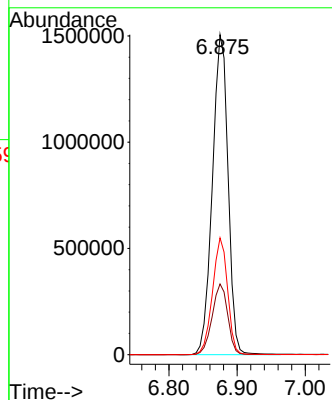
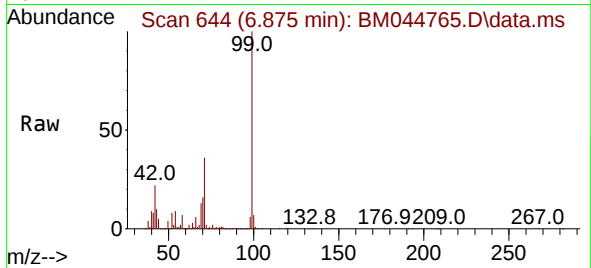




#7  
Phenol-d6  
Concen: 118.774 ng  
RT: 6.875 min Scan# 64  
Delta R.T. -0.006 min  
Lab File: BM044765.D  
Acq: 26 Mar 2024 12:53

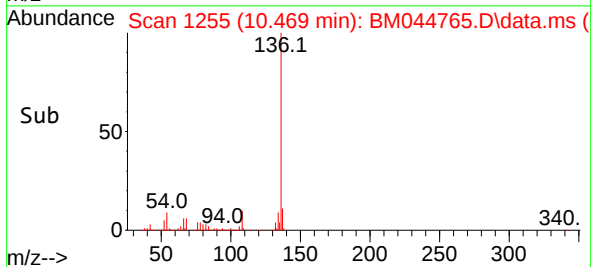
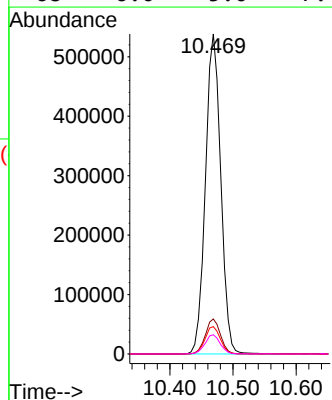
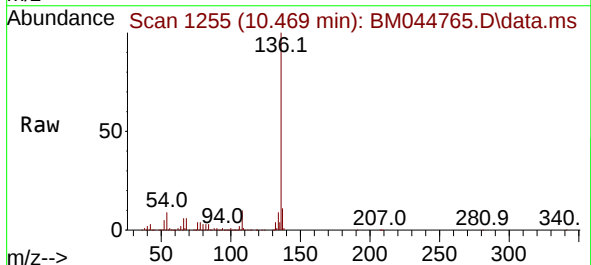
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BL

Tgt Ion: 99 Resp: 2411980  
Ion Ratio Lower Upper  
99 100  
42 22.1 14.3 21.5#  
71 36.5 24.5 36.7



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.469 min Scan# 1255  
Delta R.T. -0.018 min  
Lab File: BM044765.D  
Acq: 26 Mar 2024 12:53

Tgt Ion:136 Resp: 906933  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.9 13.3  
54 8.5 6.6 10.0  
68 6.0 5.0 7.4

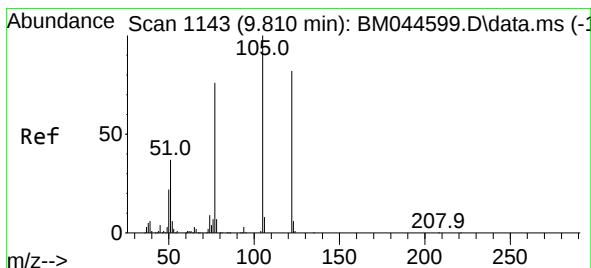
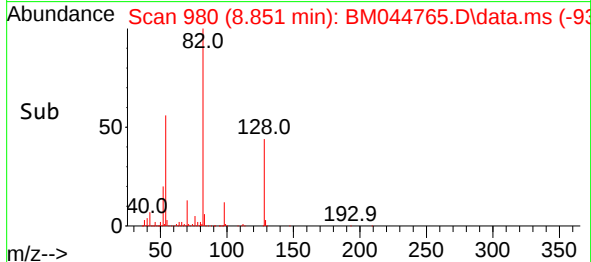
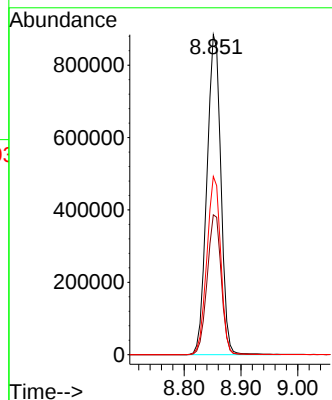
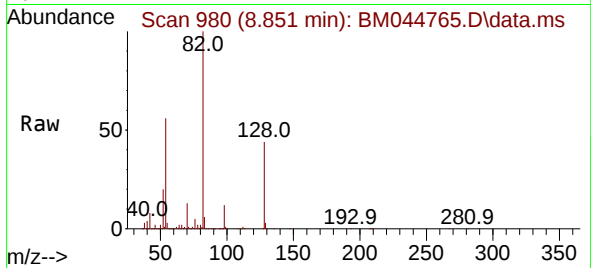




#23  
Nitrobenzene-d5  
Concen: 80.063 ng  
RT: 8.851 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: BM044765.D  
Acq: 26 Mar 2024 12:53

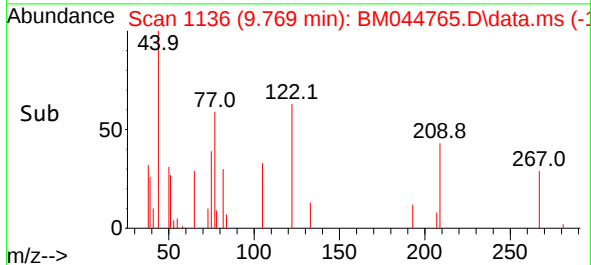
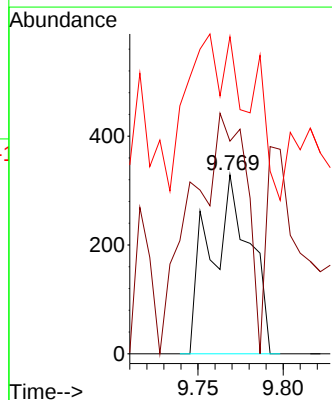
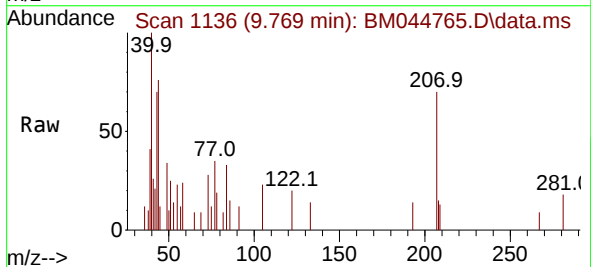
Instrument :  
BNA\_M  
ClientSampleId :  
PB159773BL

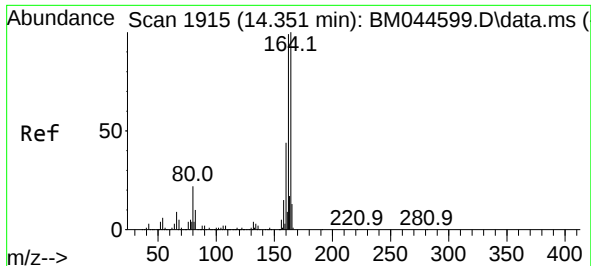
Tgt Ion: 82 Resp: 1507238  
Ion Ratio Lower Upper  
82 100  
128 43.7 34.2 51.4  
54 55.7 41.3 61.9



#32  
Benzoic acid  
Concen: 3.663 ng  
RT: 9.769 min Scan# 1136  
Delta R.T. -0.041 min  
Lab File: BM044765.D  
Acq: 26 Mar 2024 12:53

Tgt Ion:122 Resp: 535  
Ion Ratio Lower Upper  
122 100  
105 118.8 100.0 140.0  
77 177.2 72.5 112.5#

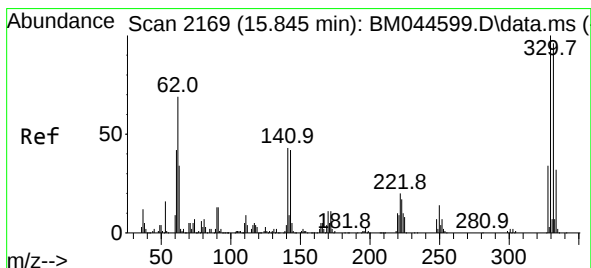
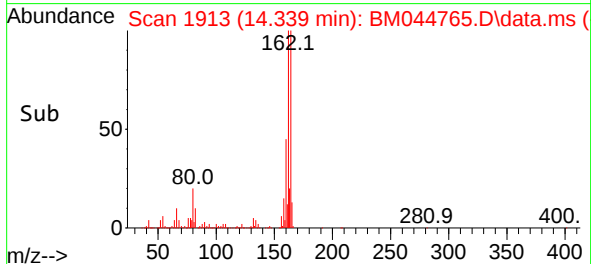
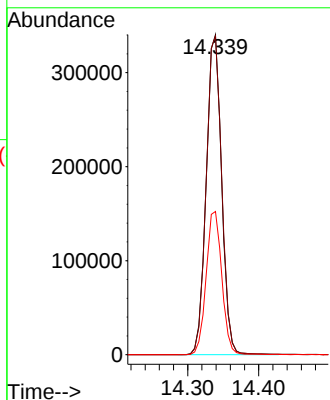
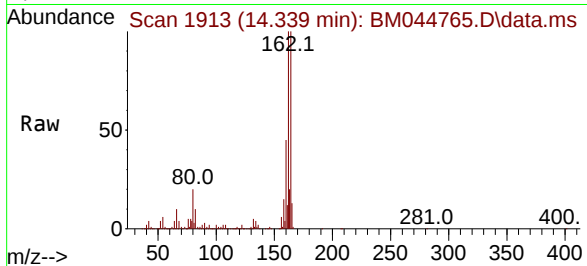




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.339 min Scan# 1915  
Delta R.T. -0.012 min  
Lab File: BM044765.D  
Acq: 26 Mar 2024 12:53

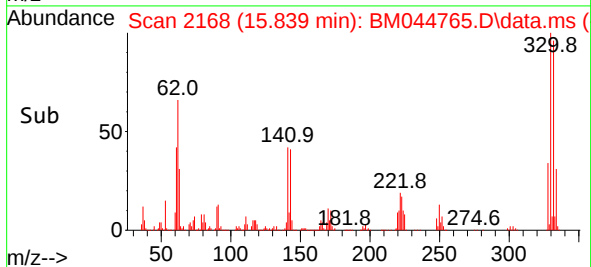
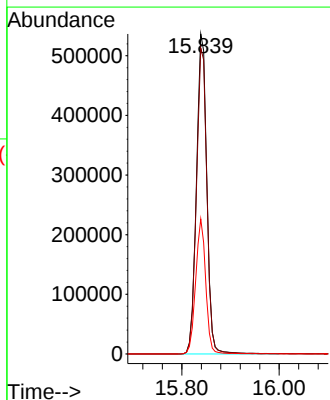
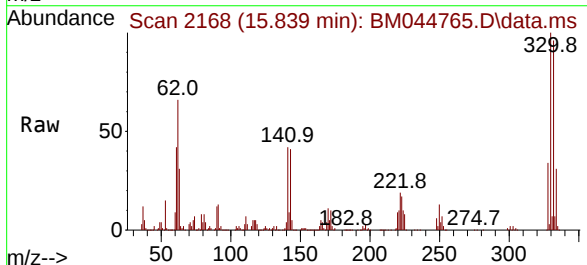
Instrument :  
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ClientSampleId :  
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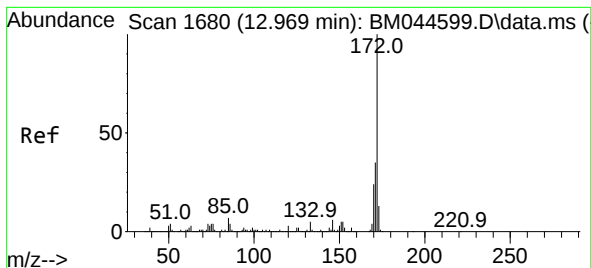
Tgt Ion:164 Resp: 512596  
Ion Ratio Lower Upper  
164 100  
162 99.6 79.3 118.9  
160 44.7 35.2 52.8



#42  
2,4,6-Tribromophenol  
Concen: 141.178 ng  
RT: 15.839 min Scan# 2168  
Delta R.T. -0.006 min  
Lab File: BM044765.D  
Acq: 26 Mar 2024 12:53

Tgt Ion:330 Resp: 798187  
Ion Ratio Lower Upper  
330 100  
332 96.1 77.8 116.8  
141 40.9 33.4 50.0





#45

2-Fluorobiphenyl

Concen: 80.110 ng

RT: 12.957 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM044765.D

Acq: 26 Mar 2024 12:53

Instrument :

BNA\_M

ClientSampleId :

PB159773BL

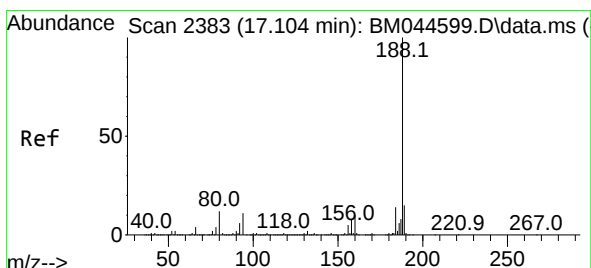
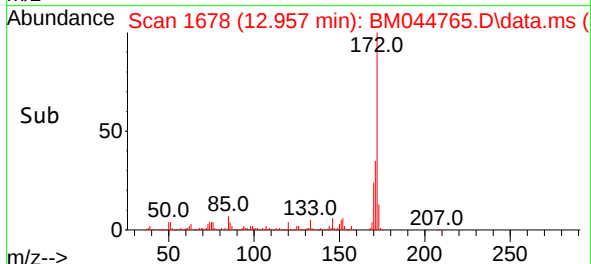
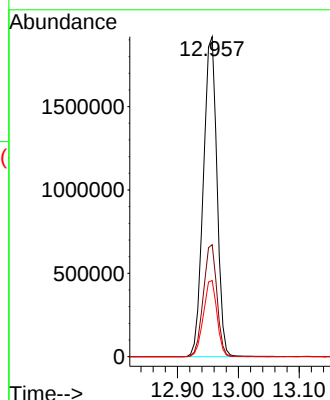
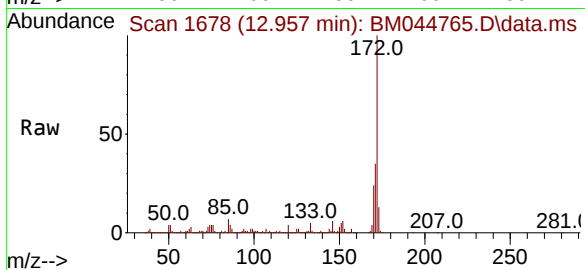
Tgt Ion:172 Resp: 2981679

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.2

170 23.8 19.0 28.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.092 min Scan# 2381

Delta R.T. -0.012 min

Lab File: BM044765.D

Acq: 26 Mar 2024 12:53

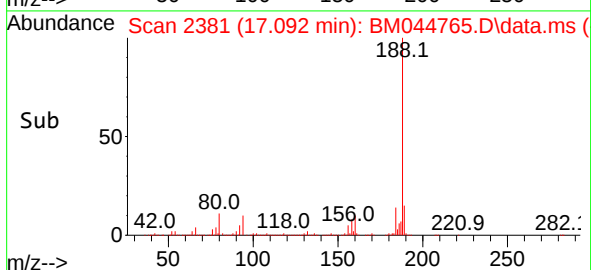
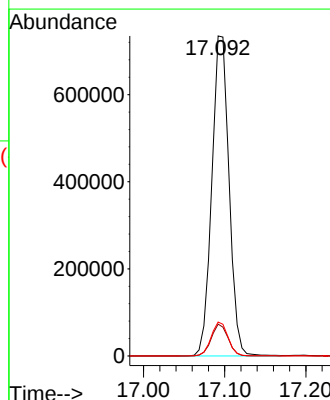
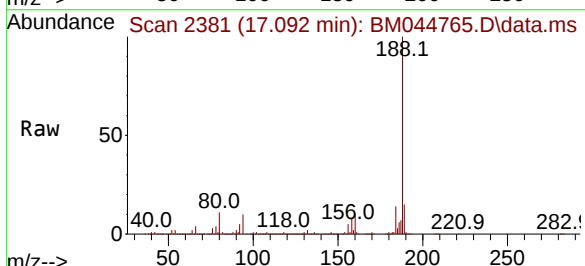
Tgt Ion:188 Resp: 1084708

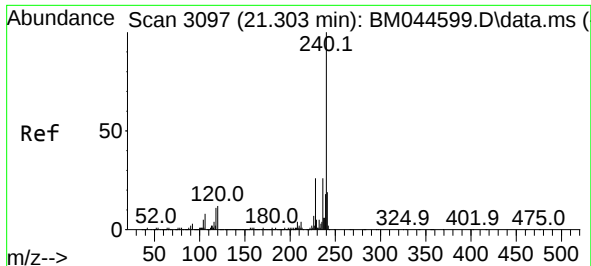
Ion Ratio Lower Upper

188 100

94 10.0 8.4 12.6

80 10.6 9.4 14.0

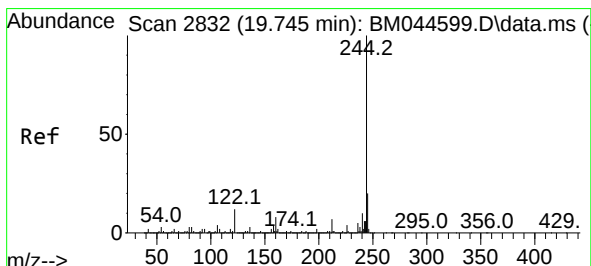
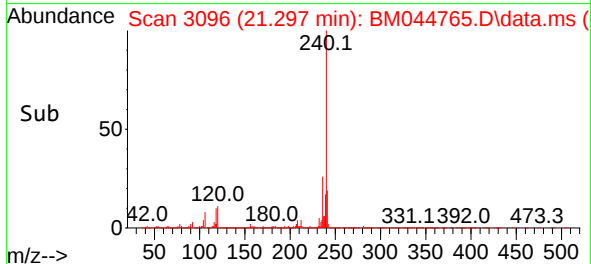
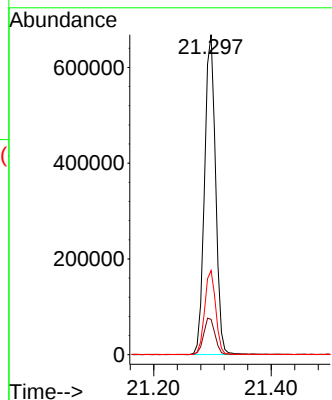
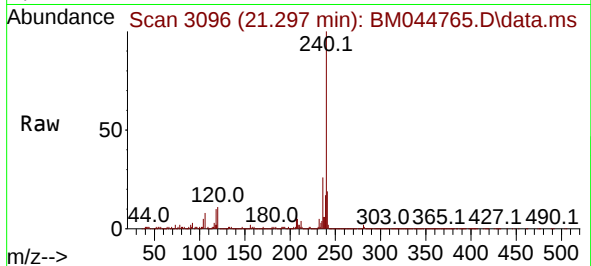




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.297 min Scan# 3097  
Delta R.T. -0.006 min  
Lab File: BM044765.D  
Acq: 26 Mar 2024 12:53

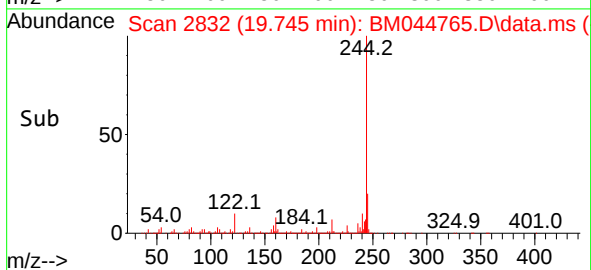
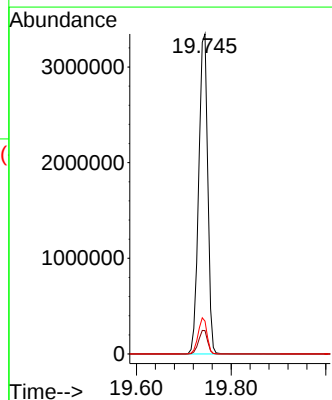
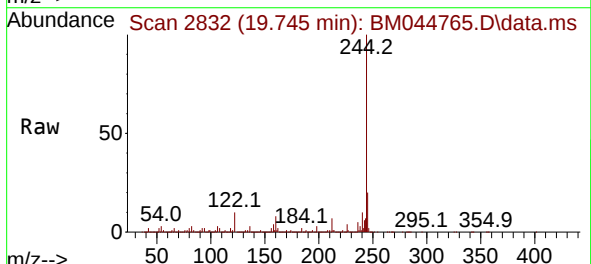
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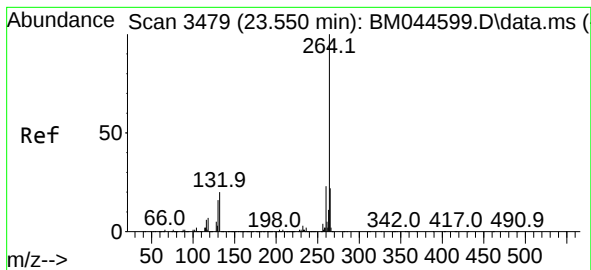
Tgt Ion:240 Resp: 866878  
Ion Ratio Lower Upper  
240 100  
120 11.1 9.7 14.5  
236 26.3 21.0 31.4



#79  
Terphenyl-d14  
Concen: 89.153 ng  
RT: 19.745 min Scan# 2832  
Delta R.T. 0.000 min  
Lab File: BM044765.D  
Acq: 26 Mar 2024 12:53

Tgt Ion:244 Resp: 4417924  
Ion Ratio Lower Upper  
244 100  
212 7.3 5.5 8.3  
122 10.2 9.7 14.5





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.544 min Scan# 34  
 Delta R.T. -0.006 min  
 Lab File: BM044765.D  
 Acq: 26 Mar 2024 12:53

Instrument :  
 BNA\_M  
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 PB159773BL

Tgt Ion:264 Resp: 868713  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 18.3 27.5  
 265 22.3 17.5 26.3

