

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021424\  
 Data File : BP019707.D  
 Acq On : 14 Feb 2024 18:21  
 Operator : MA/JU  
 Sample : P1412-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 TP2

Quant Time: Feb 14 18:48:26 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP013124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 01 00:51:48 2024  
 Response via : Initial Calibration

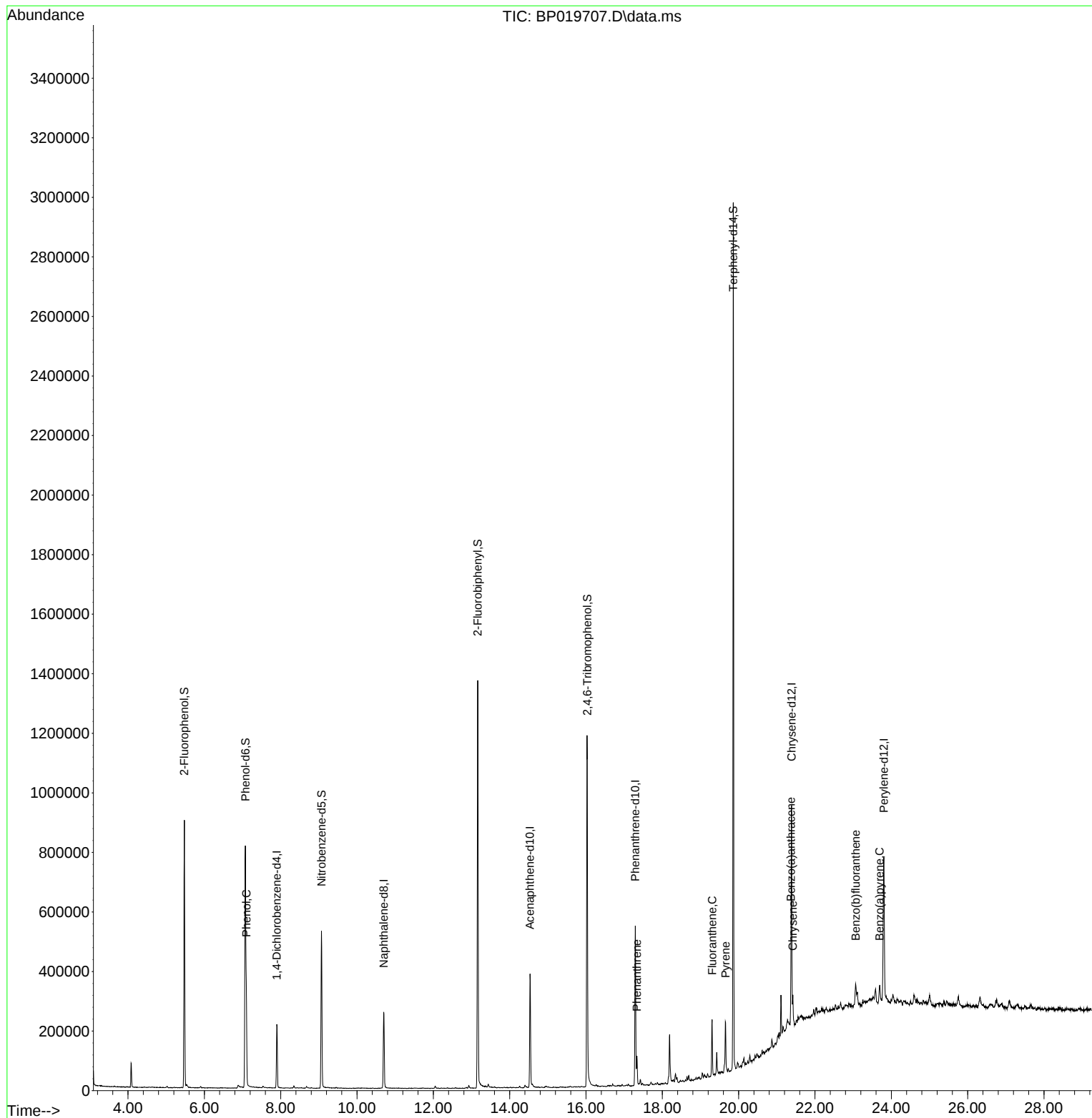
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.899  | 152  | 58025    | 20.000  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.698 | 136  | 215633   | 20.000  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.534 | 164  | 141315   | 20.000  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.292 | 188  | 358222   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.386 | 240  | 371289   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12            | 23.804 | 264  | 425695   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.475  | 112  | 359589   | 99.893  | ng    | -0.01    |
| 7) Phenol-d6                | 7.075  | 99   | 463013   | 95.393  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.069  | 82   | 316240   | 63.548  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.033 | 330  | 273660   | 132.632 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.163 | 172  | 739586   | 64.699  | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.857 | 244  | 1484613  | 65.758  | ng    | -0.01    |
| Target Compounds            |        |      |          |         |       |          |
|                             |        |      |          |         |       | Qvalue   |
| 10) Phenol                  | 7.099  | 94   | 161329   | 33.349  | ng    | 96       |
| 71) Phenanthrene            | 17.333 | 178  | 59174    | 3.139   | ng    | 99       |
| 75) Fluoranthene            | 19.304 | 202  | 108511   | 4.712   | ng    | 99       |
| 78) Pyrene                  | 19.657 | 202  | 112342   | 4.287   | ng    | 98       |
| 81) Benzo(a)anthracene      | 21.368 | 228  | 65713    | 2.514   | ng    | 93       |
| 83) Chrysene                | 21.421 | 228  | 60716    | 2.447   | ng    | 99       |
| 88) Benzo(b)fluoranthene    | 23.068 | 252  | 71712    | 2.673   | ng    | # 94     |
| 90) Benzo(a)pyrene          | 23.692 | 252  | 50973    | 2.135   | ng    | # 90     |
| -----                       |        |      |          |         |       |          |

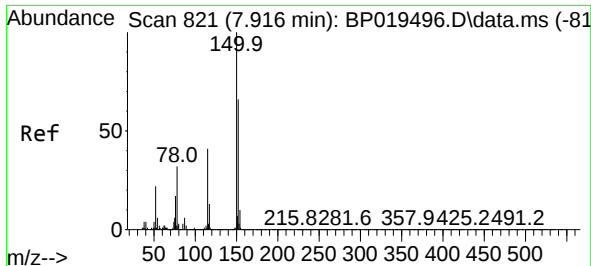
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP021424\  
Data File : BP019707.D  
Acq On : 14 Feb 2024 18:21  
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Sample : P1412-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_P  
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TP2

Quant Time: Feb 14 18:48:26 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP013124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Feb 01 00:51:48 2024  
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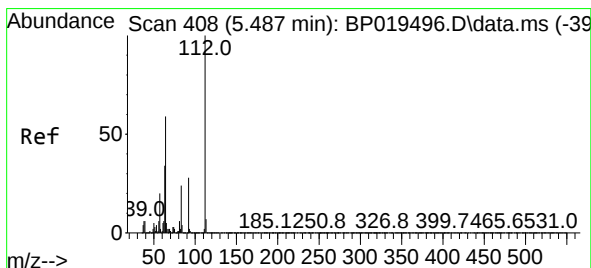
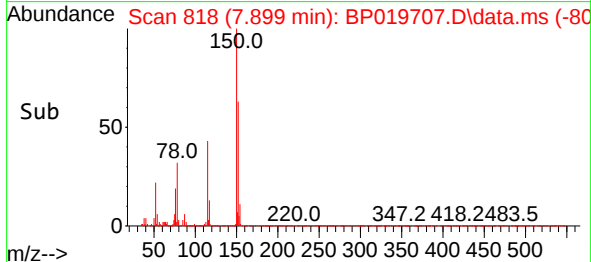
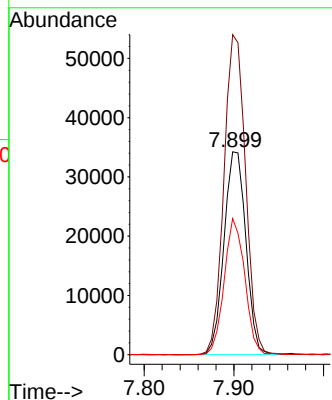
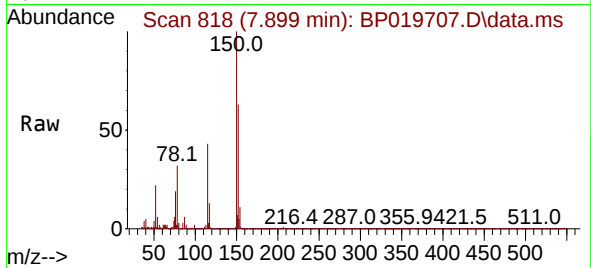




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.899 min Scan# 81  
Delta R.T. -0.017 min  
Lab File: BP019707.D  
Acq: 14 Feb 2024 18:21

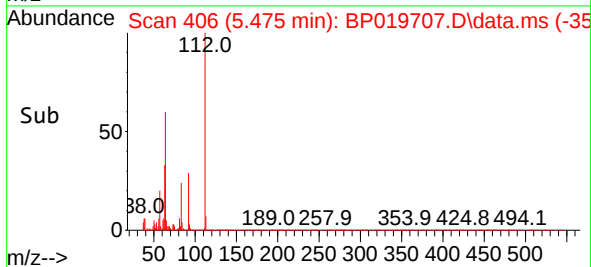
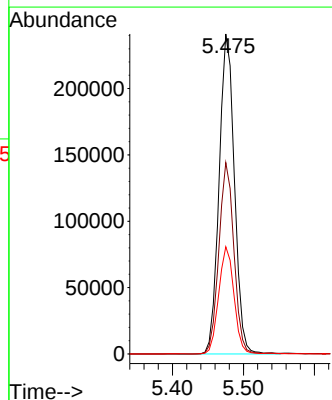
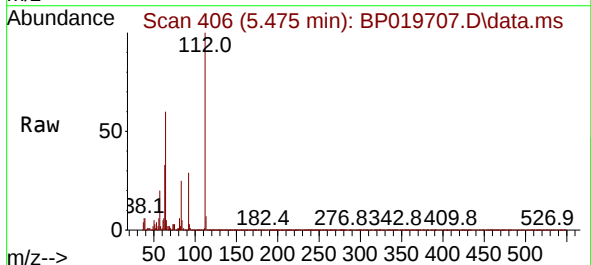
Instrument :  
BNA\_P  
ClientSampleId :  
TP2

Tgt Ion:152 Resp: 58025  
Ion Ratio Lower Upper  
152 100  
150 157.7 121.8 182.8  
115 67.1 49.9 74.9



#5  
2-Fluorophenol  
Concen: 99.893 ng  
RT: 5.475 min Scan# 406  
Delta R.T. -0.012 min  
Lab File: BP019707.D  
Acq: 14 Feb 2024 18:21

Tgt Ion:112 Resp: 359589  
Ion Ratio Lower Upper  
112 100  
64 59.8 47.4 71.0  
63 33.5 27.0 40.6

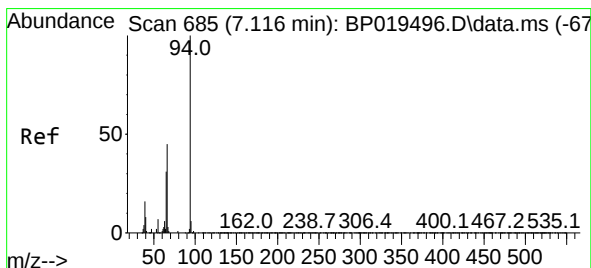
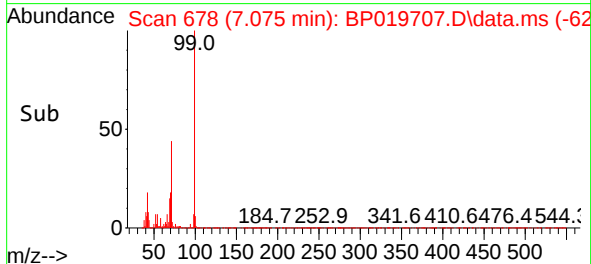
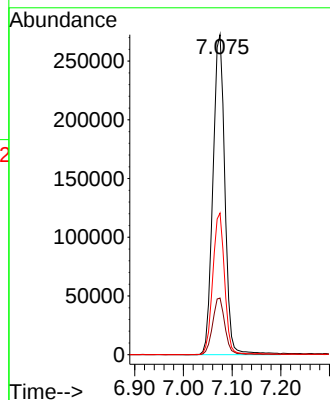
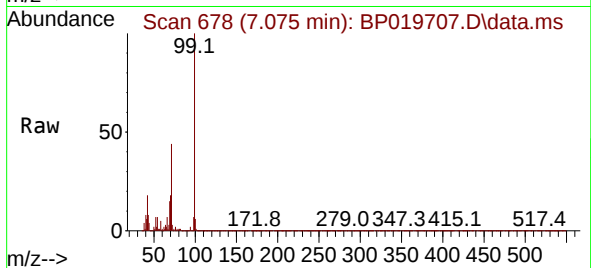




#7  
Phenol-d6  
Concen: 95.393 ng  
RT: 7.075 min Scan# 61  
Delta R.T. -0.012 min  
Lab File: BP019707.D  
Acq: 14 Feb 2024 18:21

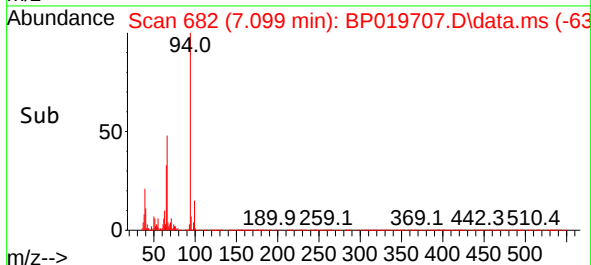
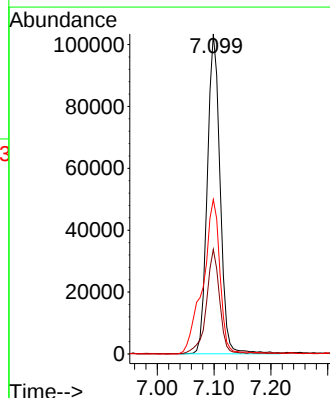
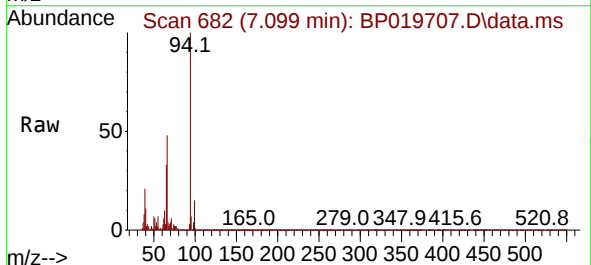
Instrument :  
BNA\_P  
ClientSampleId :  
TP2

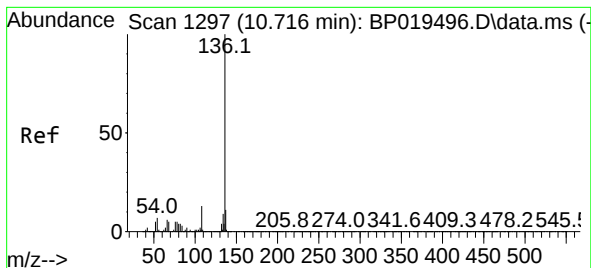
Tgt Ion: 99 Resp: 463013  
Ion Ratio Lower Upper  
99 100  
42 17.7 14.7 22.1  
71 44.3 34.8 52.2



#10  
Phenol  
Concen: 33.349 ng  
RT: 7.099 min Scan# 682  
Delta R.T. -0.017 min  
Lab File: BP019707.D  
Acq: 14 Feb 2024 18:21

Tgt Ion: 94 Resp: 161329  
Ion Ratio Lower Upper  
94 100  
65 32.7 11.3 51.3  
66 48.3 25.1 65.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.698 min Scan# 1017

Delta R.T. -0.017 min

Lab File: BP019707.D

Acq: 14 Feb 2024 18:21

Instrument :

BNA\_P

ClientSampleId :

TP2

Tgt Ion:136 Resp: 215633

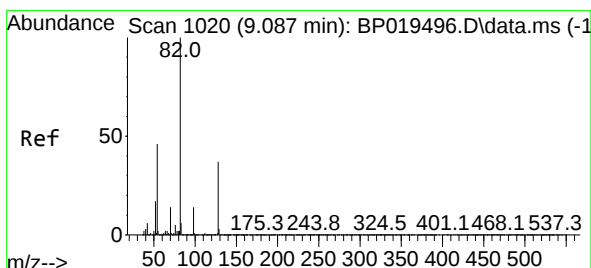
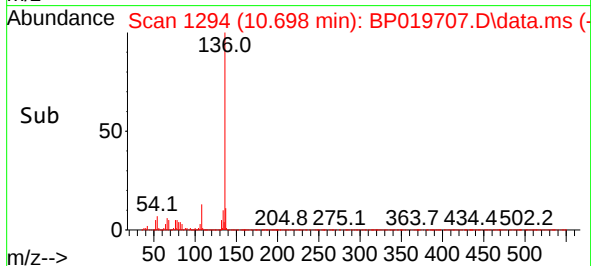
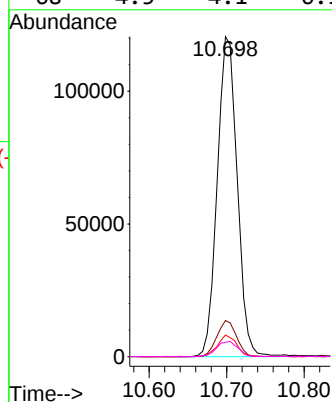
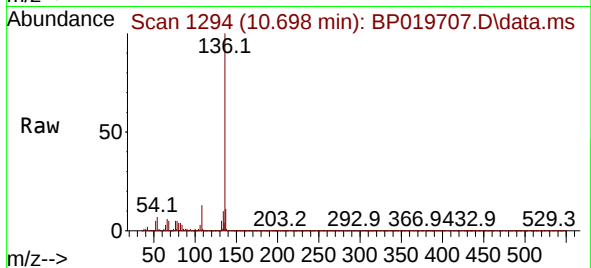
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 6.8 5.3 7.9

68 4.5 4.1 6.1



#23

Nitrobenzene-d5

Concen: 63.548 ng

RT: 9.069 min Scan# 1017

Delta R.T. -0.017 min

Lab File: BP019707.D

Acq: 14 Feb 2024 18:21

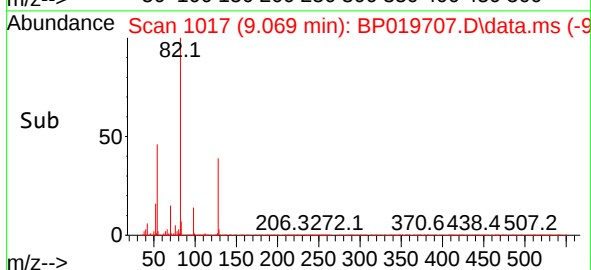
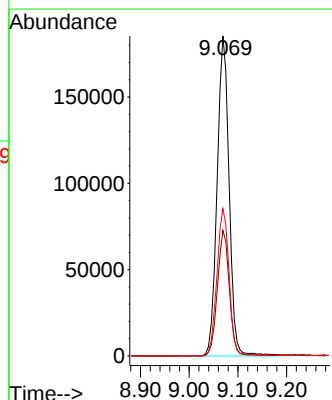
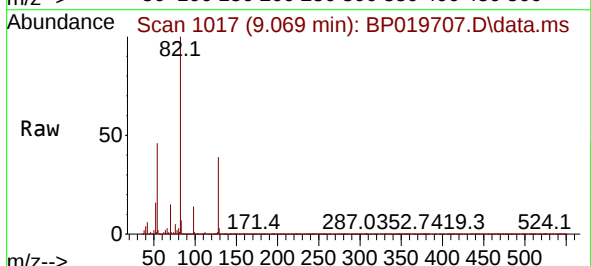
Tgt Ion: 82 Resp: 316240

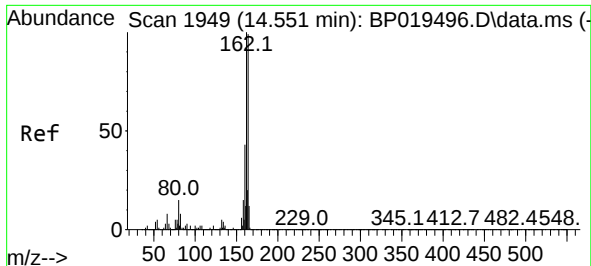
Ion Ratio Lower Upper

82 100

128 39.2 29.7 44.5

54 46.0 36.8 55.2

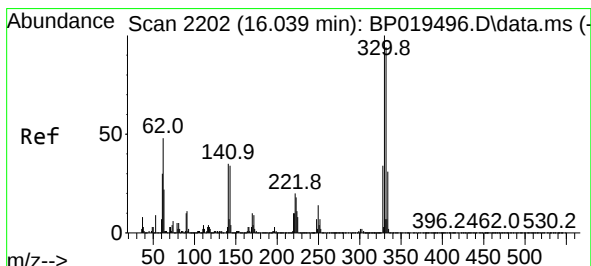
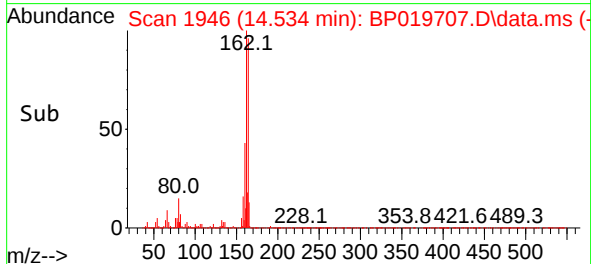
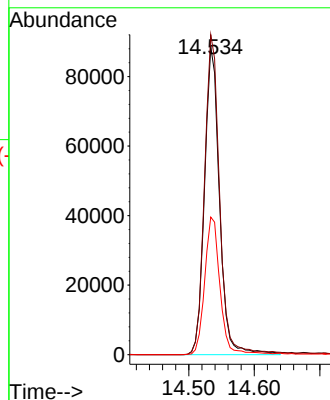
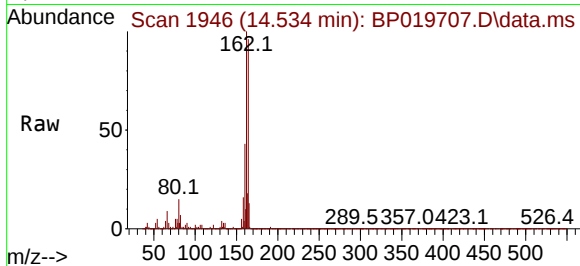




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.534 min Scan# 1946  
Delta R.T. -0.017 min  
Lab File: BP019707.D  
Acq: 14 Feb 2024 18:21

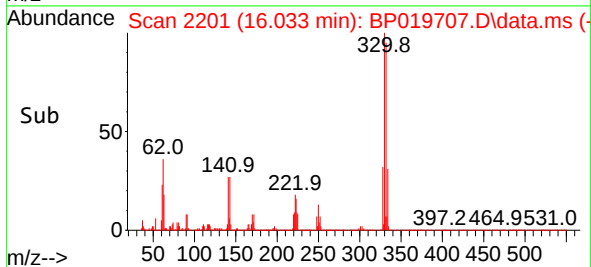
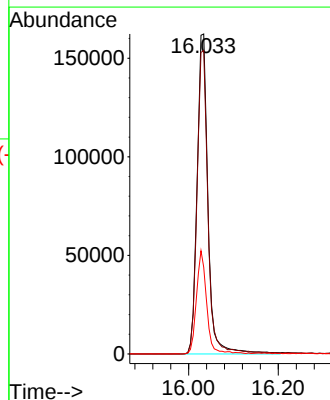
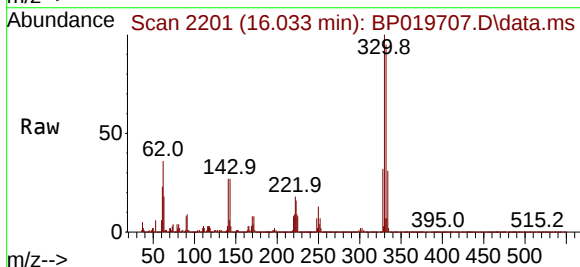
Instrument :  
BNA\_P  
ClientSampleId :  
TP2

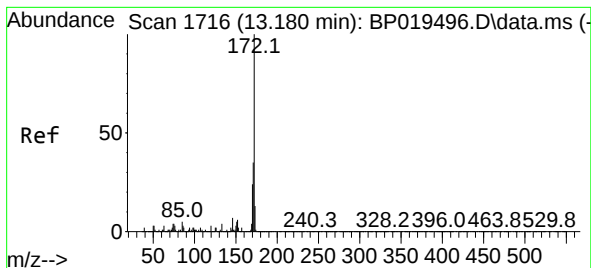
Tgt Ion:164 Resp: 141315  
Ion Ratio Lower Upper  
164 100  
162 104.0 81.2 121.8  
160 44.7 35.1 52.7



#42  
2,4,6-Tribromophenol  
Concen: 132.632 ng  
RT: 16.033 min Scan# 2201  
Delta R.T. -0.006 min  
Lab File: BP019707.D  
Acq: 14 Feb 2024 18:21

Tgt Ion:330 Resp: 273660  
Ion Ratio Lower Upper  
330 100  
332 95.4 77.2 115.8  
141 30.1 27.0 40.4





#45

2-Fluorobiphenyl

Concen: 64.699 ng

RT: 13.163 min Scan# 11

Delta R.T. -0.017 min

Lab File: BP019707.D

Acq: 14 Feb 2024 18:21

Instrument :

BNA\_P

ClientSampleId :

TP2

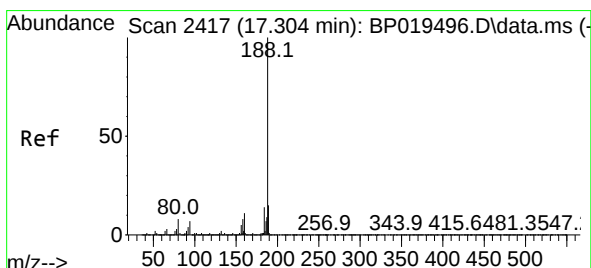
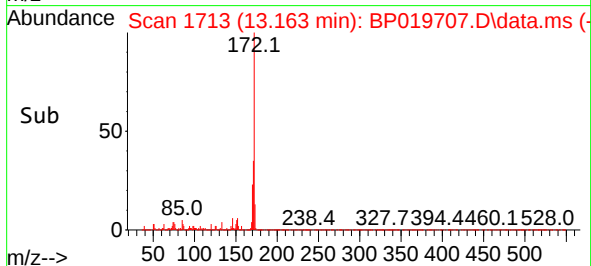
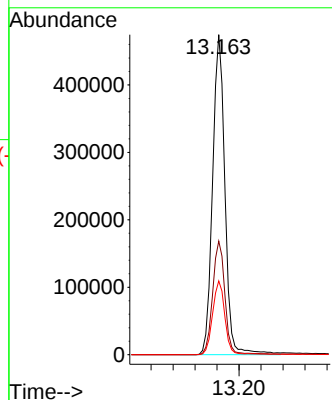
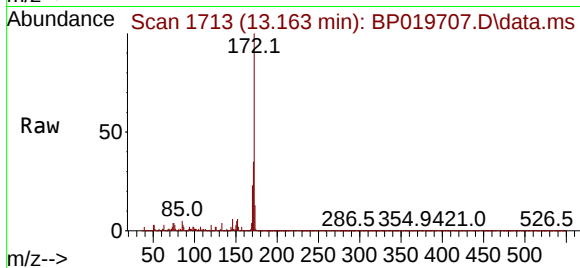
Tgt Ion:172 Resp: 739586

Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.4

170 23.0 18.9 28.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.292 min Scan# 2415

Delta R.T. -0.012 min

Lab File: BP019707.D

Acq: 14 Feb 2024 18:21

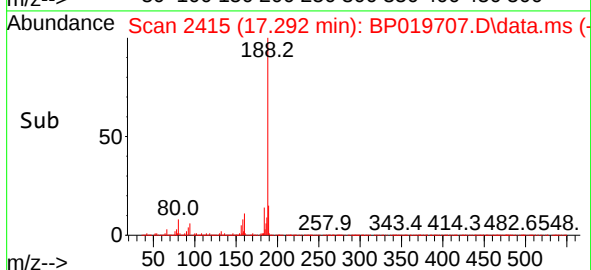
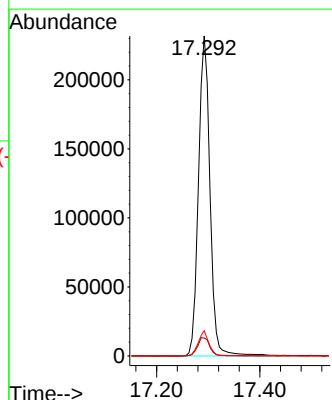
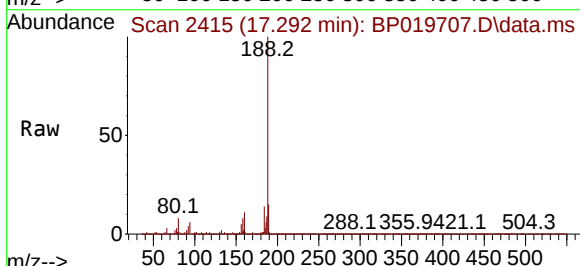
Tgt Ion:188 Resp: 358222

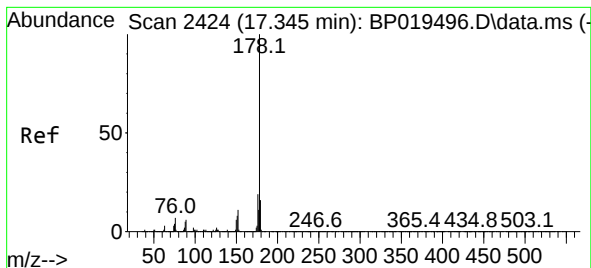
Ion Ratio Lower Upper

188 100

94 5.6 5.4 8.2

80 7.9 6.3 9.5





#71

Phenanthrene

Concen: 3.139 ng

RT: 17.333 min Scan# 2424

Delta R.T. -0.012 min

Lab File: BP019707.D

Acq: 14 Feb 2024 18:21

Instrument :

BNA\_P

ClientSampleId :

TP2

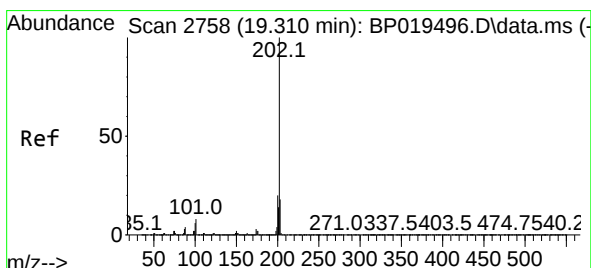
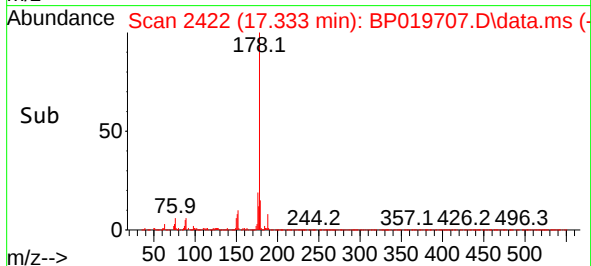
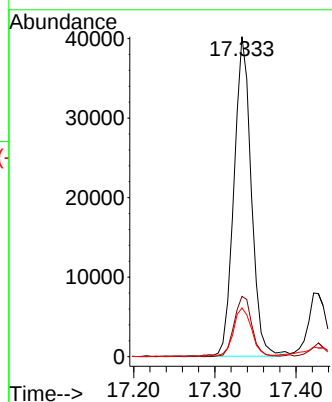
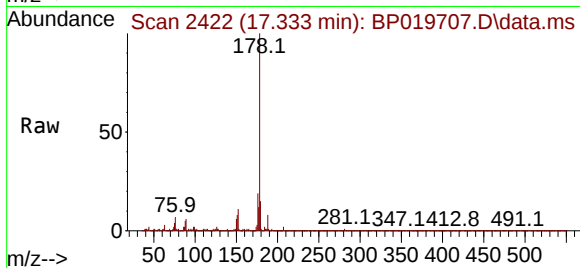
Tgt Ion:178 Resp: 59174

Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

179 15.2 12.6 19.0



#75

Fluoranthene

Concen: 4.712 ng

RT: 19.304 min Scan# 2757

Delta R.T. -0.006 min

Lab File: BP019707.D

Acq: 14 Feb 2024 18:21

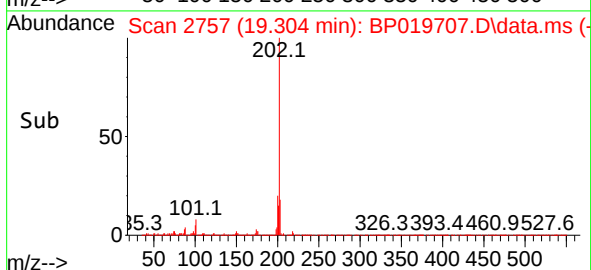
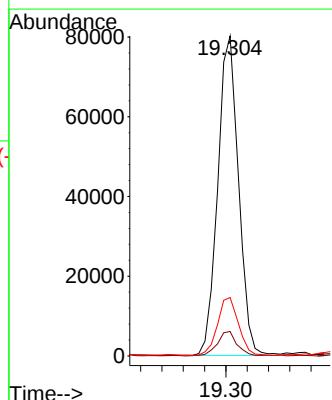
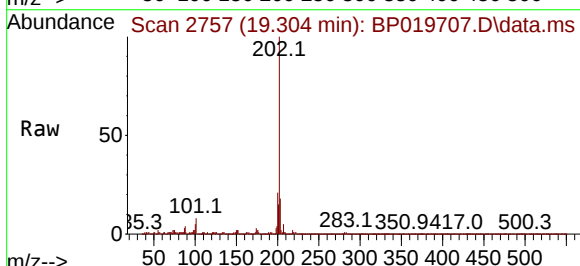
Tgt Ion:202 Resp: 108511

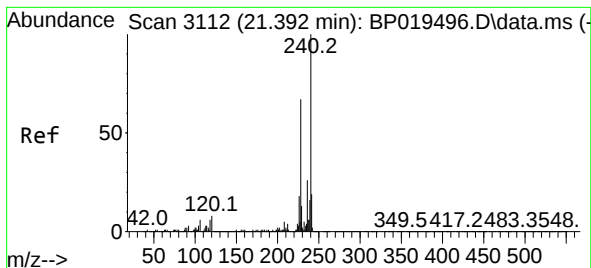
Ion Ratio Lower Upper

202 100

101 7.6 0.0 27.7

203 18.3 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 3111

Delta R.T. -0.006 min

Lab File: BP019707.D

Acq: 14 Feb 2024 18:21

Instrument :

BNA\_P

ClientSampleId :

TP2

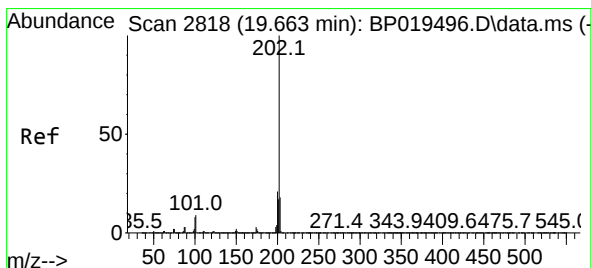
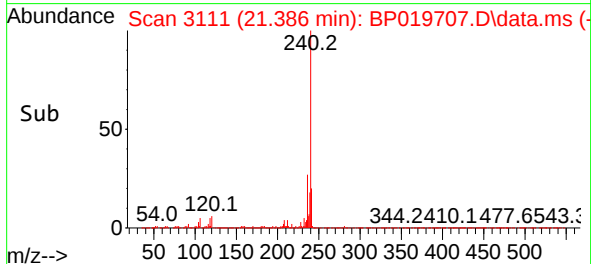
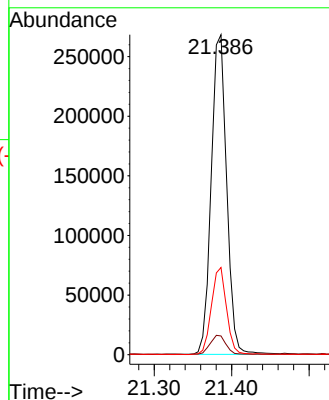
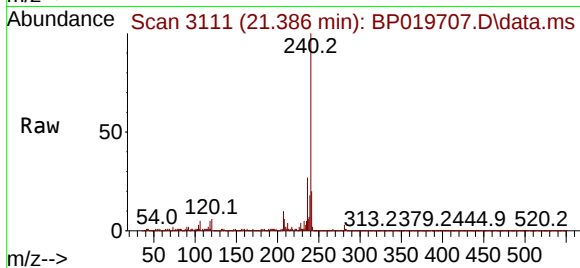
Tgt Ion:240 Resp: 371289

Ion Ratio Lower Upper

240 100

120 5.8 6.1 9.1#

236 27.3 20.7 31.1



#78

Pyrene

Concen: 4.287 ng

RT: 19.657 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BP019707.D

Acq: 14 Feb 2024 18:21

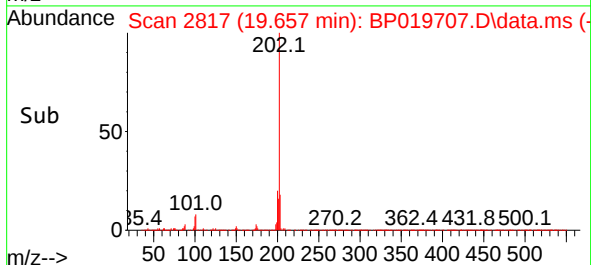
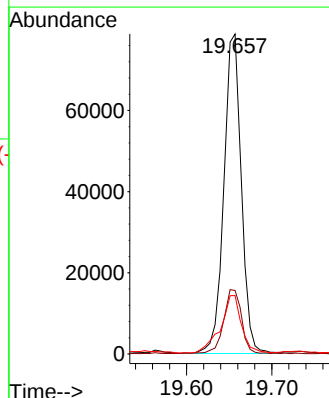
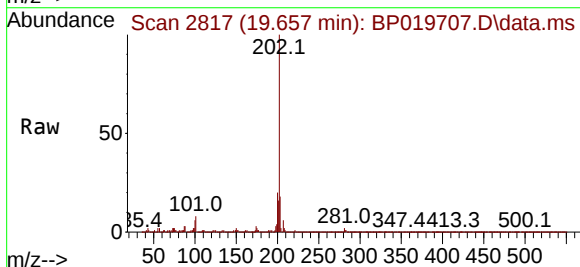
Tgt Ion:202 Resp: 112342

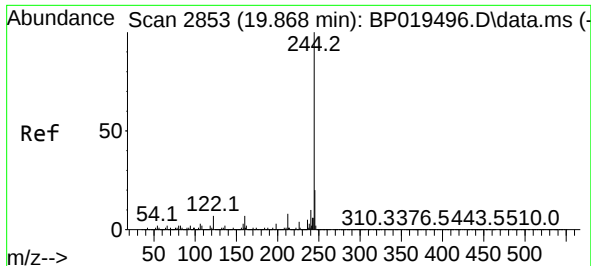
Ion Ratio Lower Upper

202 100

200 19.8 16.9 25.3

203 18.3 14.2 21.2



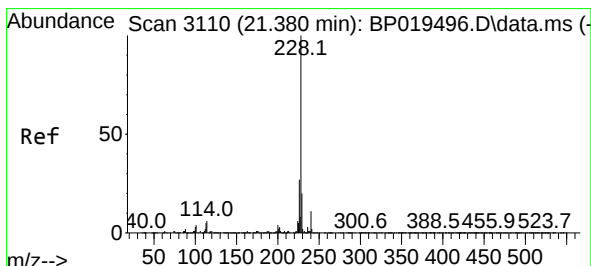
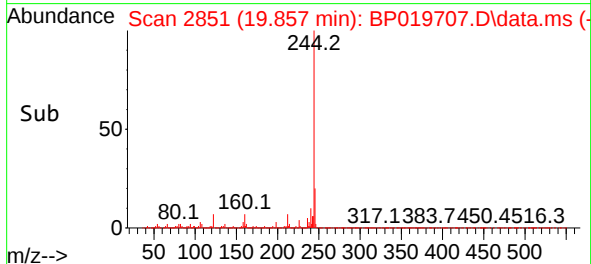
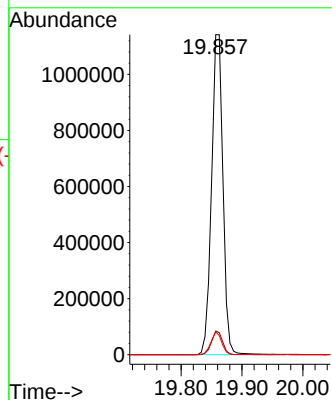
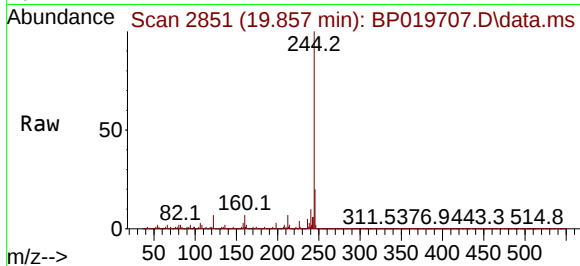


#79  
 Terphenyl-d14  
 Concen: 65.758 ng  
 RT: 19.857 min Scan# 21  
 Delta R.T. -0.012 min  
 Lab File: BP019707.D  
 Acq: 14 Feb 2024 18:21

Instrument :  
 BNA\_P  
 ClientSampleId :  
 TP2

Tgt Ion:244 Resp: 1484613  

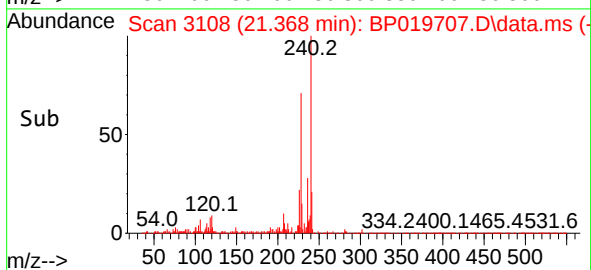
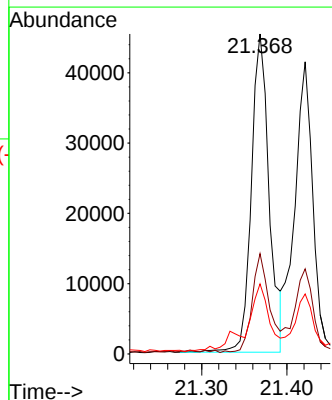
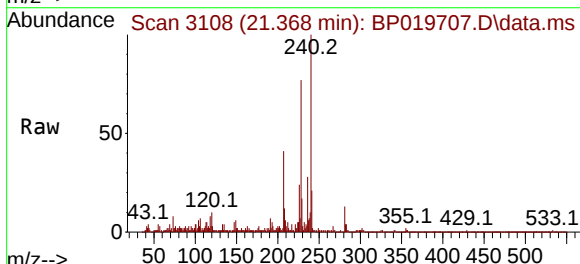
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.4   | 6.1   | 9.1   |
| 122 | 7.1   | 5.9   | 8.9   |

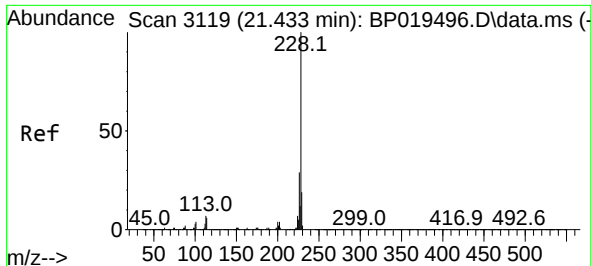


#81  
 Benzo(a)anthracene  
 Concen: 2.514 ng  
 RT: 21.368 min Scan# 3108  
 Delta R.T. -0.012 min  
 Lab File: BP019707.D  
 Acq: 14 Feb 2024 18:21

Tgt Ion:228 Resp: 65713  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 31.4  | 21.7  | 32.5  |
| 229 | 21.9  | 15.6  | 23.4  |

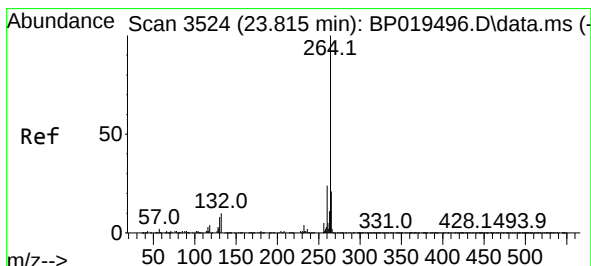
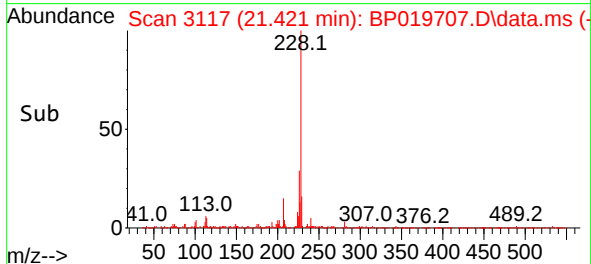
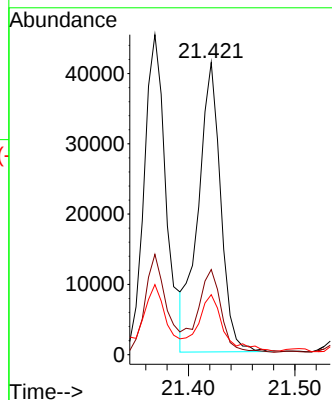
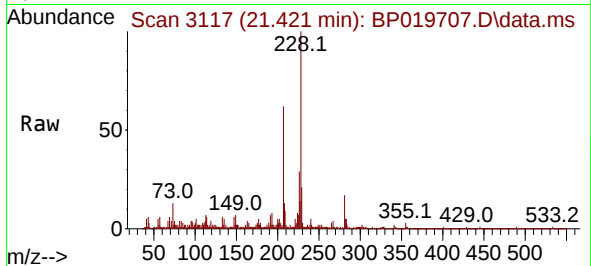




#83  
Chrysene  
Concen: 2.447 ng  
RT: 21.421 min Scan# 3119  
Delta R.T. -0.012 min  
Lab File: BP019707.D  
Acq: 14 Feb 2024 18:21

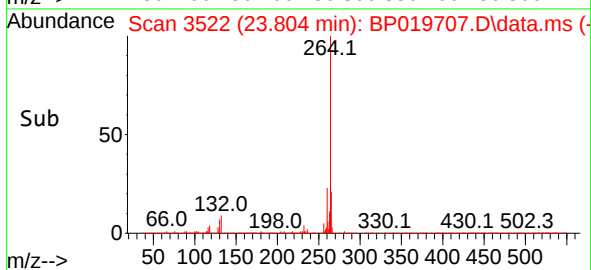
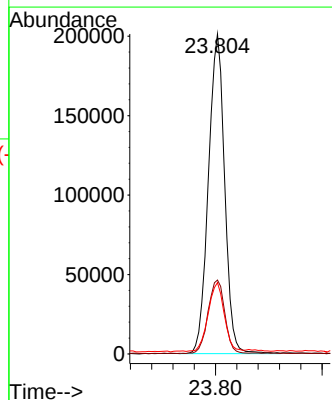
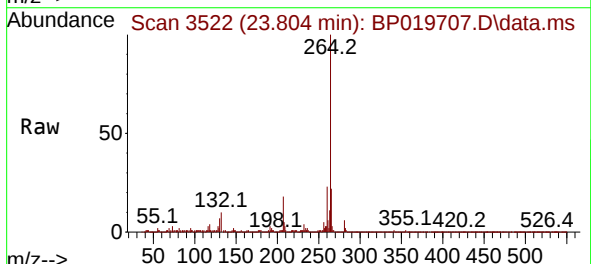
Instrument :  
BNA\_P  
ClientSampleId :  
TP2

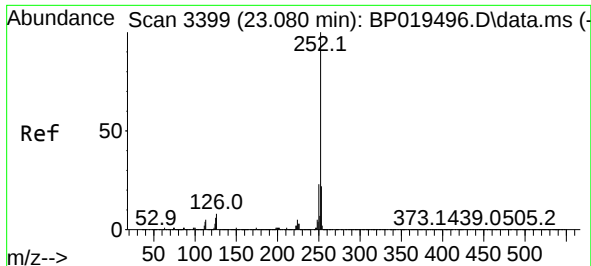
Tgt Ion:228 Resp: 60716  
Ion Ratio Lower Upper  
228 100  
226 29.1 23.4 35.2  
229 20.5 15.6 23.4



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.804 min Scan# 3522  
Delta R.T. -0.012 min  
Lab File: BP019707.D  
Acq: 14 Feb 2024 18:21

Tgt Ion:264 Resp: 425695  
Ion Ratio Lower Upper  
264 100  
260 23.1 19.2 28.8  
265 22.3 17.0 25.4

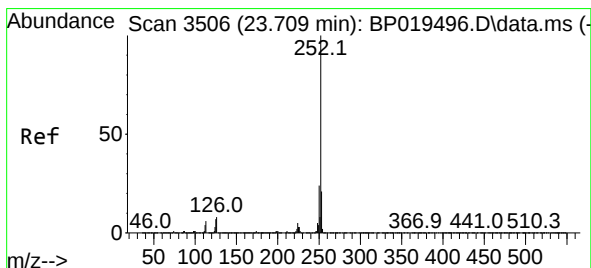
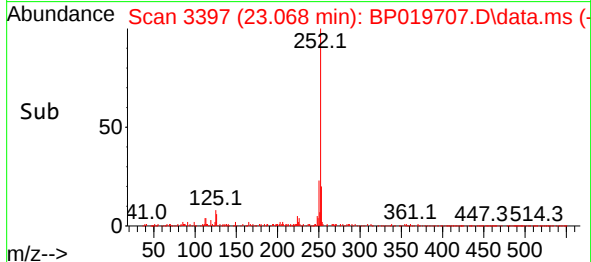
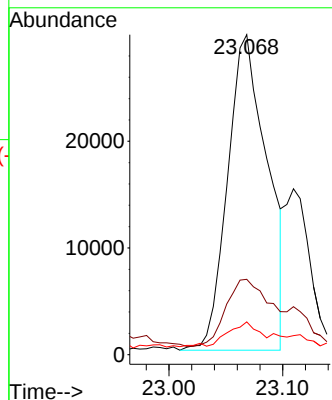
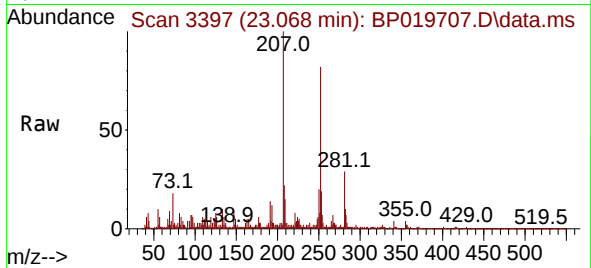




#88  
Benzo(b)fluoranthene  
Concen: 2.673 ng  
RT: 23.068 min Scan# 31  
Delta R.T. -0.012 min  
Lab File: BP019707.D  
Acq: 14 Feb 2024 18:21

Instrument :  
BNA\_P  
ClientSampleId :  
TP2

Tgt Ion:252 Resp: 71712  
Ion Ratio Lower Upper  
252 100  
253 23.5 17.3 25.9  
125 10.2 4.9 7.3#



#90  
Benzo(a)pyrene  
Concen: 2.135 ng  
RT: 23.692 min Scan# 3503  
Delta R.T. -0.017 min  
Lab File: BP019707.D  
Acq: 14 Feb 2024 18:21

Tgt Ion:252 Resp: 50973  
Ion Ratio Lower Upper  
252 100  
253 26.3 17.1 25.7#  
125 10.4 5.6 8.4#

