

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102221\  
 Data File : BM032676.D  
 Acq On : 22 Oct 2021 15:32  
 Operator : CG/JU  
 Sample : M4308-02  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 COMP-2

Quant Time: Oct 22 16:23:25 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM100221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 22 11:30:44 2021  
 Response via : Initial Calibration

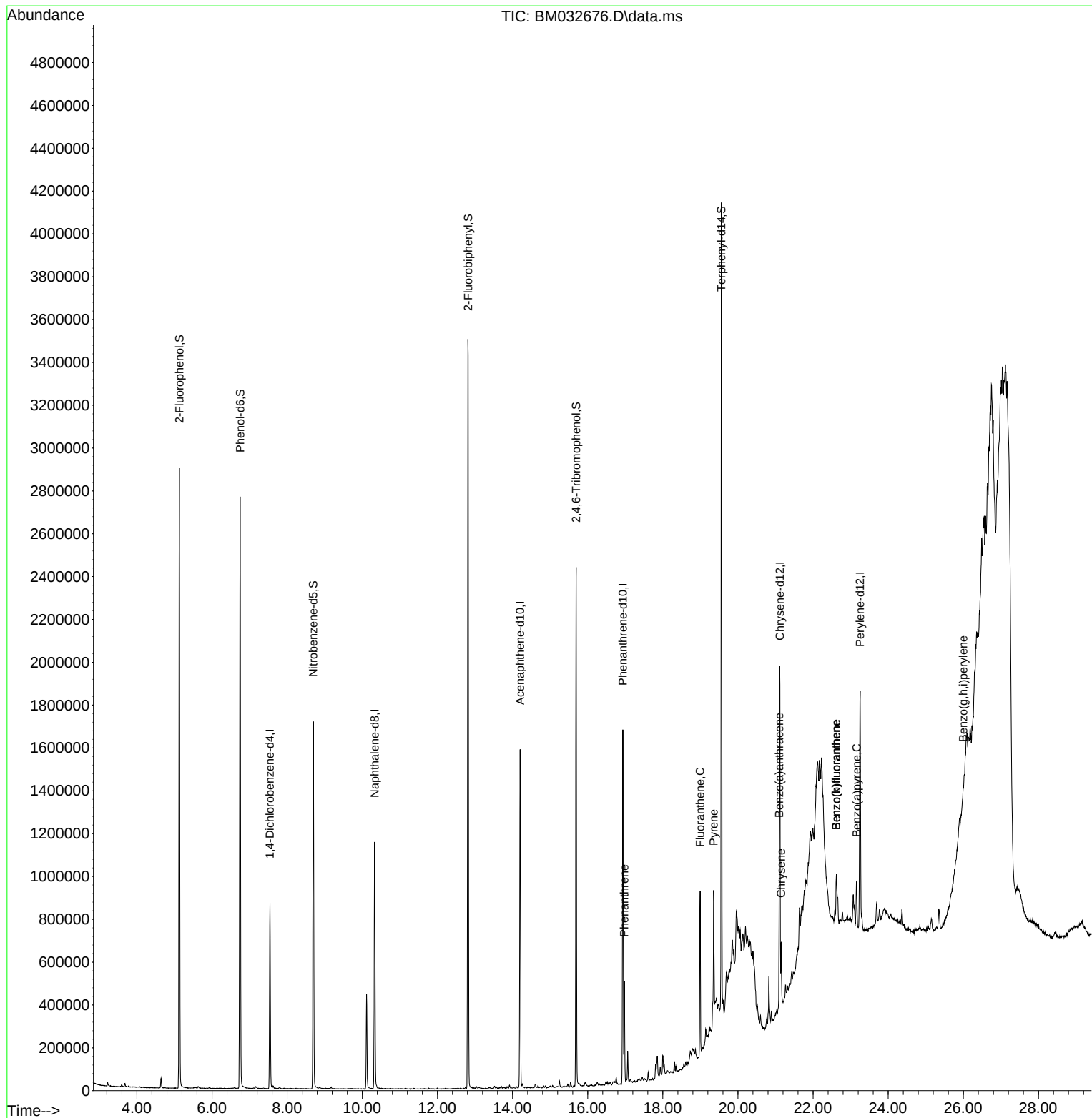
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.542  | 152  | 228991   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.330 | 136  | 918607   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.201 | 164  | 521564   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 16.936 | 188  | 910779   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12            | 21.118 | 240  | 673924   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 23.253 | 264  | 709357   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.131  | 112  | 1187384  | 87.367 | ng    | 0.00     |
| 7) Phenol-d6                | 6.748  | 99   | 1537771  | 82.740 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.695  | 82   | 964466   | 58.394 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.695 | 330  | 409514   | 70.136 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.818 | 172  | 1785715  | 50.906 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.559 | 244  | 1705701  | 53.304 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 16.977 | 178  | 261315   | 5.466  | ng    | 99       |
| 75) Fluoranthene            | 18.995 | 202  | 430776   | 8.126  | ng    | 98       |
| 78) Pyrene                  | 19.353 | 202  | 355890   | 7.788  | ng    | 98       |
| 81) Benzo(a)anthracene      | 21.100 | 228  | 186599   | 4.430  | ng    | 97       |
| 83) Chrysene                | 21.153 | 228  | 153534   | 3.768  | ng    | 98       |
| 88) Benzo(b)fluoranthene    | 22.618 | 252  | 247381   | 5.733  | ng    | # 94     |
| 89) Benzo(k)fluoranthene    | 22.618 | 252  | 247381   | 5.869  | ng    | # 93     |
| 90) Benzo(a)pyrene          | 23.159 | 252  | 137538   | 3.930  | ng    | # 96     |
| 92) Benzo(g,h,i)perylene    | 26.000 | 276  | 74212    | 2.037  | ng    | # 91     |
| -----                       |        |      |          |        |       |          |

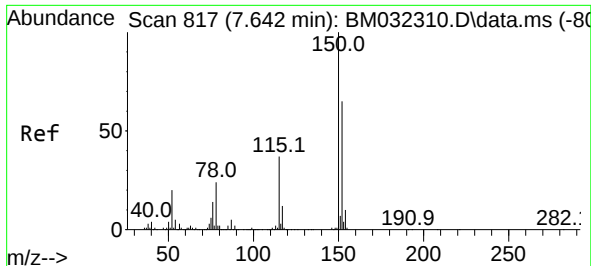
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102221\  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 22 11:30:44 2021  
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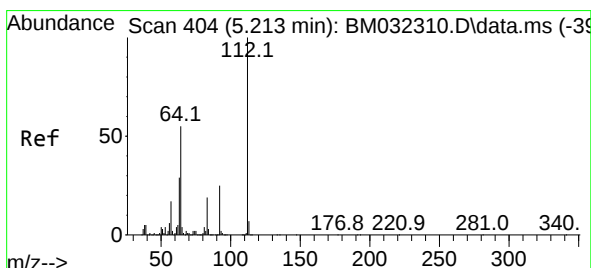
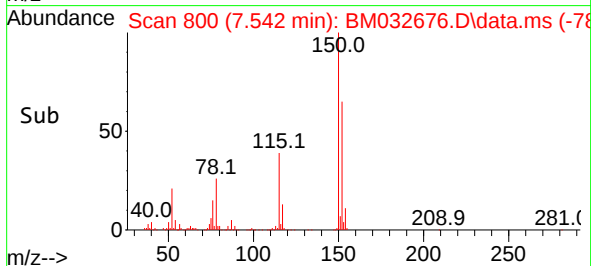
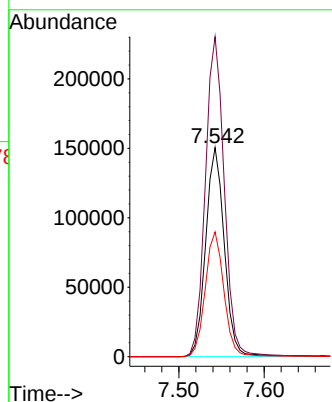
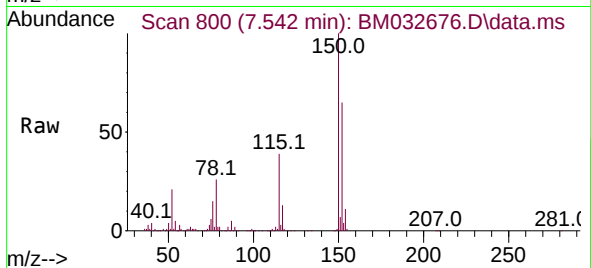




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.542 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: BM032676.D  
Acq: 22 Oct 2021 15:32

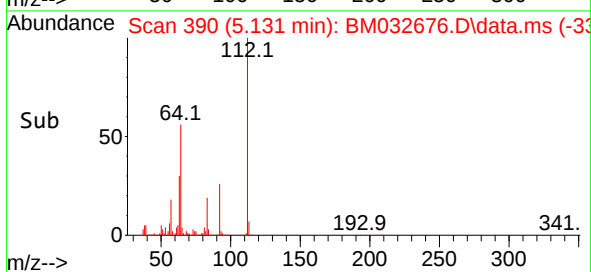
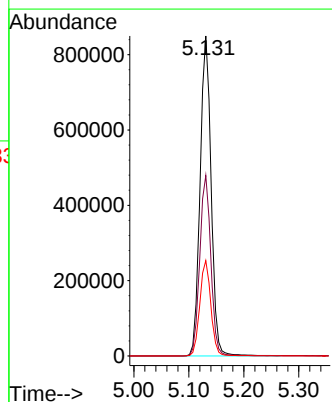
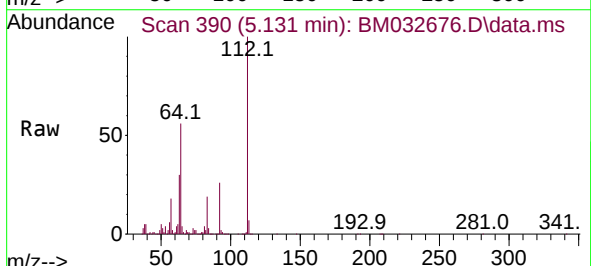
Instrument :  
BNA\_M  
ClientSampleId :  
COMP-2

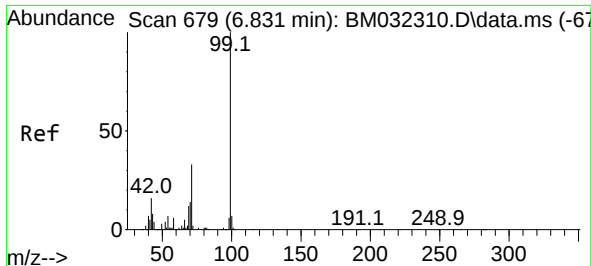
Tgt Ion:152 Resp: 228991  
Ion Ratio Lower Upper  
152 100  
150 153.1 122.4 183.6  
115 59.7 53.8 80.8



#5  
2-Fluorophenol  
Concen: 87.367 ng  
RT: 5.131 min Scan# 390  
Delta R.T. 0.006 min  
Lab File: BM032676.D  
Acq: 22 Oct 2021 15:32

Tgt Ion:112 Resp: 1187384  
Ion Ratio Lower Upper  
112 100  
64 56.4 53.7 80.5  
63 29.8 33.9 50.9#

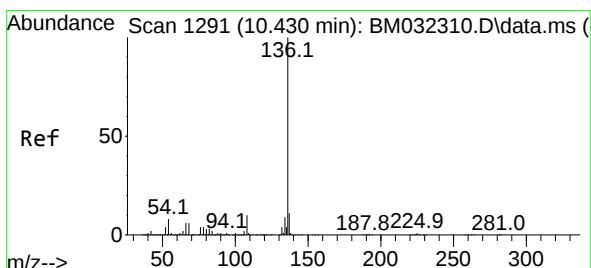
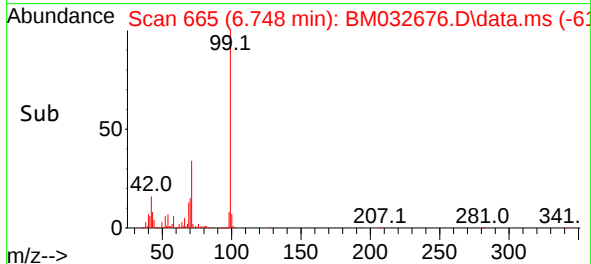
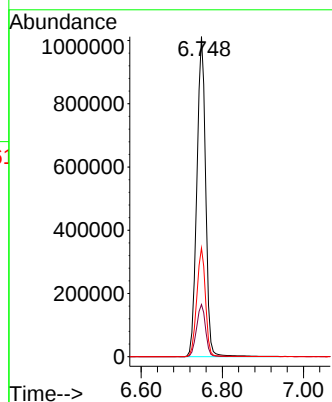
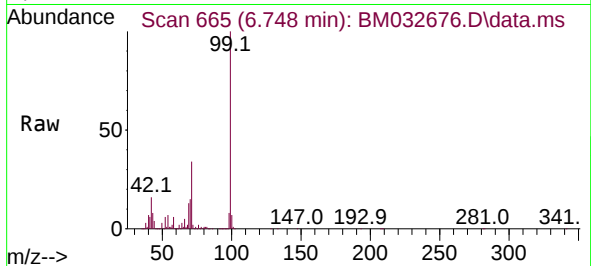




#7  
Phenol-d6  
Concen: 82.740 ng  
RT: 6.748 min Scan# 665  
Delta R.T. -0.000 min  
Lab File: BM032676.D  
Acq: 22 Oct 2021 15:32

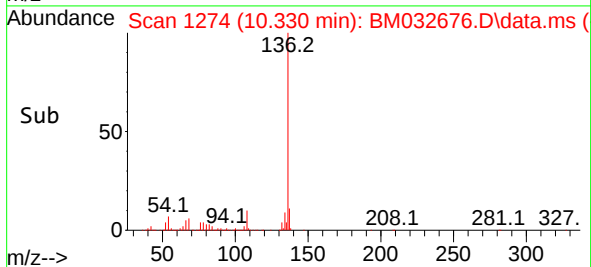
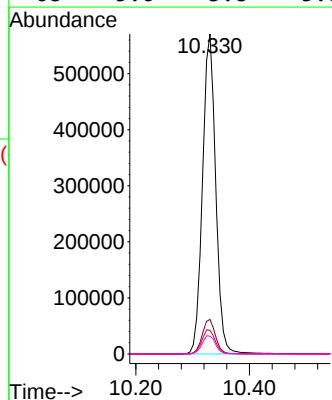
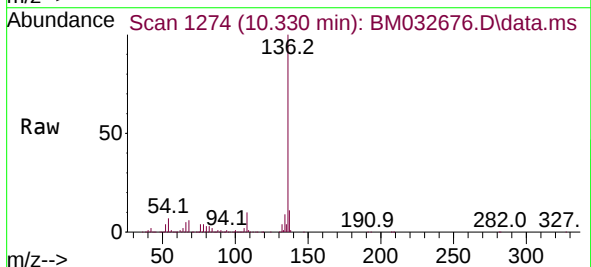
Instrument :  
BNA\_M  
ClientSampleId :  
COMP-2

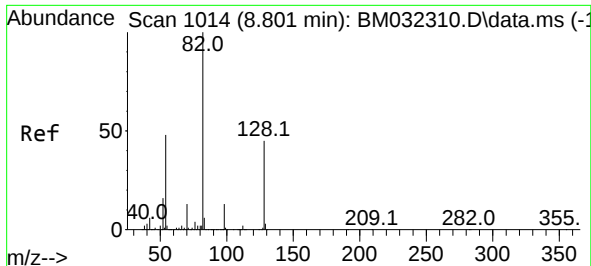
Tgt Ion: 99 Resp: 1537771  
Ion Ratio Lower Upper  
99 100  
42 16.3 23.0 34.6#  
71 34.0 37.8 56.8#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.330 min Scan# 1274  
Delta R.T. -0.000 min  
Lab File: BM032676.D  
Acq: 22 Oct 2021 15:32

Tgt Ion: 136 Resp: 918607  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.7 13.1  
54 7.4 7.4 11.0  
68 5.6 3.8 5.8

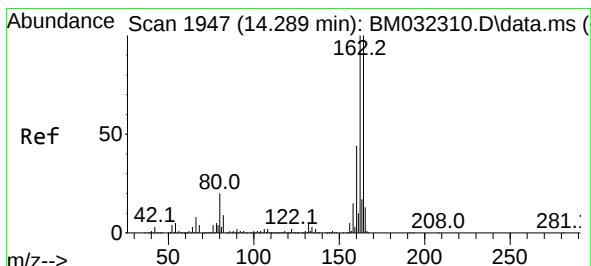
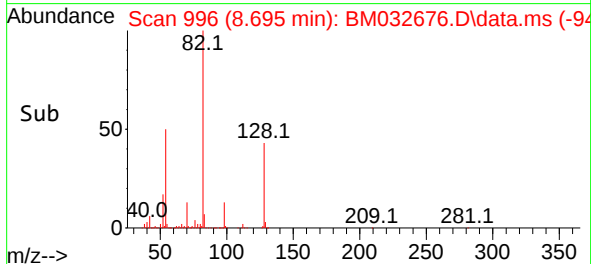
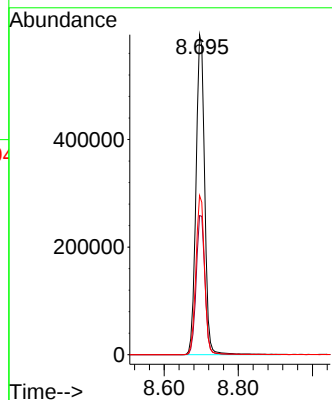
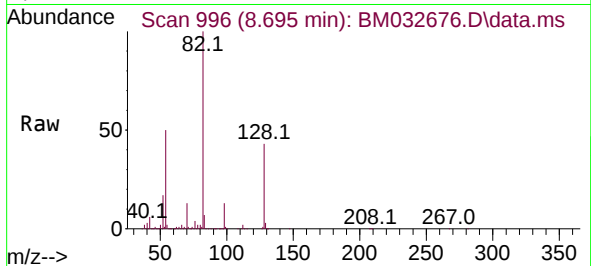




#23  
Nitrobenzene-d5  
Concen: 58.394 ng  
RT: 8.695 min Scan# 996  
Delta R.T. -0.006 min  
Lab File: BM032676.D  
Acq: 22 Oct 2021 15:32

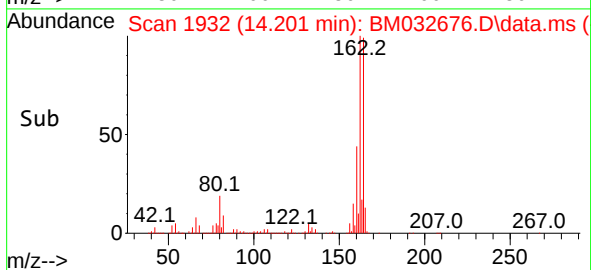
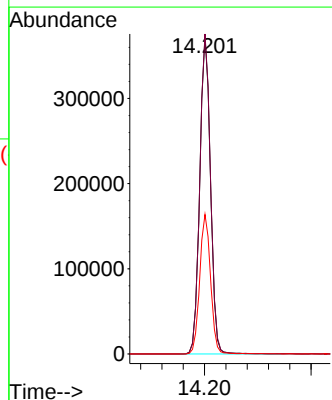
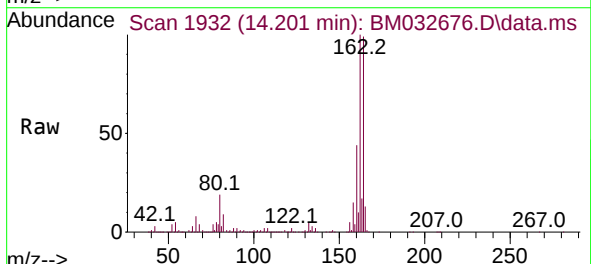
Instrument :  
BNA\_M  
ClientSampleId :  
COMP-2

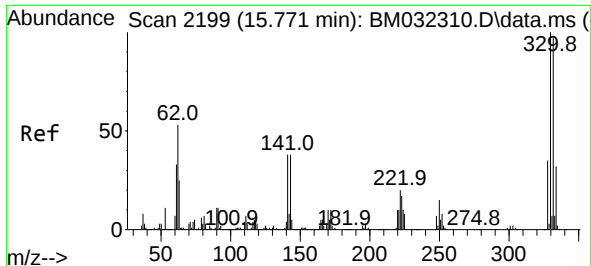
Tgt Ion: 82 Resp: 964466  
Ion Ratio Lower Upper  
82 100  
128 43.4 29.0 43.6  
54 49.8 45.8 68.8



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.201 min Scan# 1932  
Delta R.T. -0.006 min  
Lab File: BM032676.D  
Acq: 22 Oct 2021 15:32

Tgt Ion: 164 Resp: 521564  
Ion Ratio Lower Upper  
164 100  
162 100.6 80.6 121.0  
160 43.9 35.1 52.7

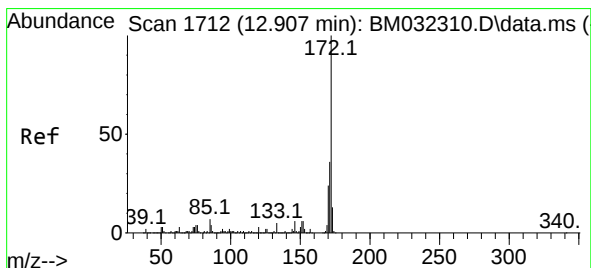
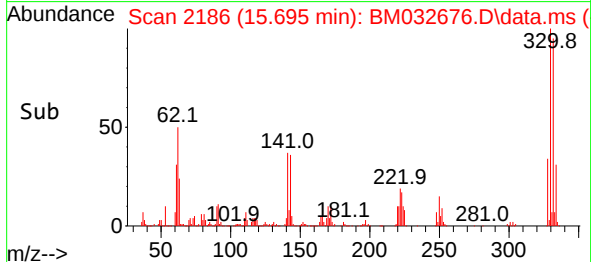
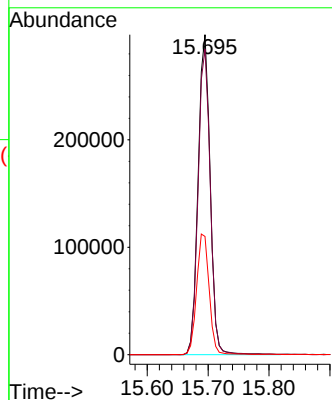
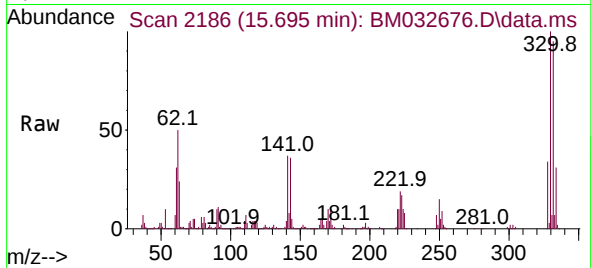




#42  
2,4,6-Tribromophenol  
Concen: 70.136 ng  
RT: 15.695 min Scan# 2186  
Delta R.T. -0.000 min  
Lab File: BM032676.D  
Acq: 22 Oct 2021 15:32

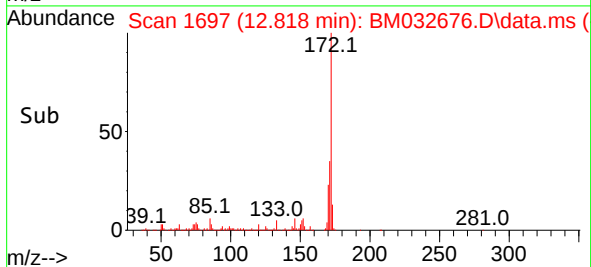
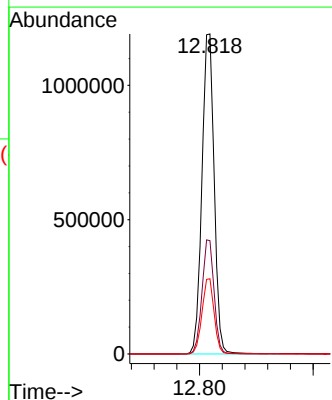
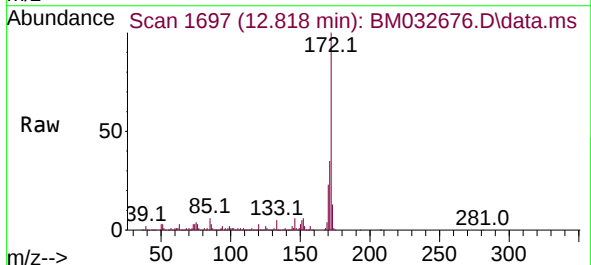
Instrument :  
BNA\_M  
ClientSampleId :  
COMP-2

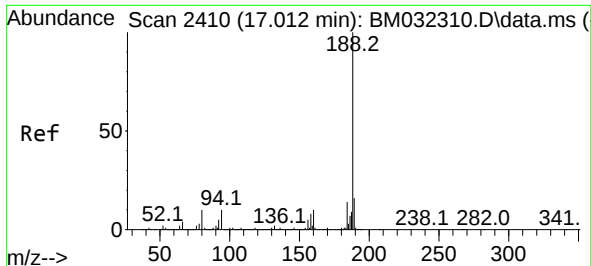
Tgt Ion:330 Resp: 409514  
Ion Ratio Lower Upper  
330 100  
332 96.3 75.7 113.5  
141 39.3 50.7 76.1#



#45  
2-Fluorobiphenyl  
Concen: 50.906 ng  
RT: 12.818 min Scan# 1697  
Delta R.T. -0.000 min  
Lab File: BM032676.D  
Acq: 22 Oct 2021 15:32

Tgt Ion:172 Resp: 1785715  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.1 42.1  
170 23.5 18.6 27.8

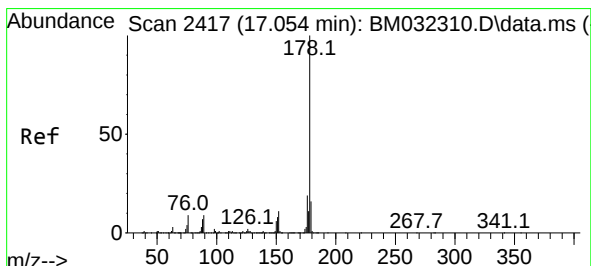
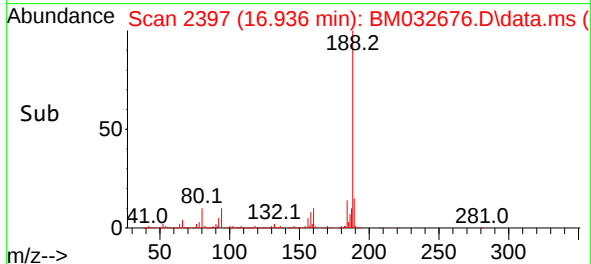
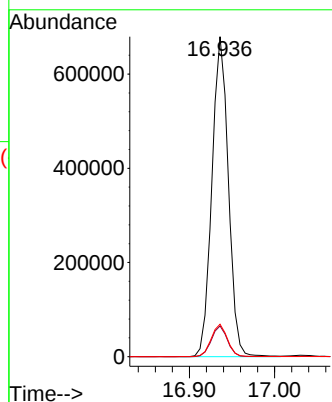
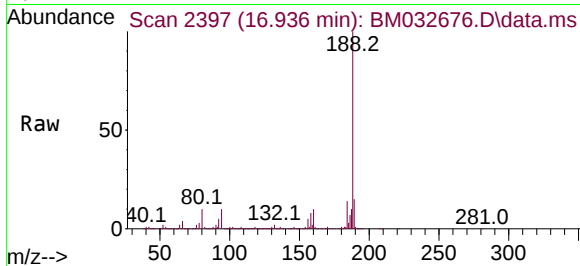




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.936 min Scan# 2397  
Delta R.T. -0.000 min  
Lab File: BM032676.D  
Acq: 22 Oct 2021 15:32

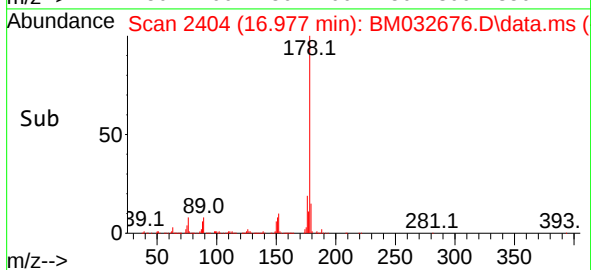
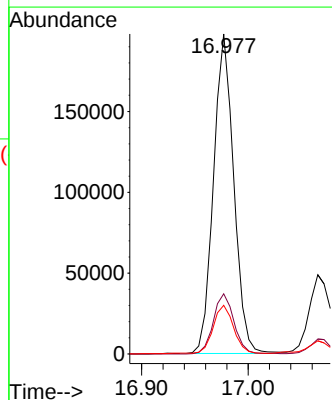
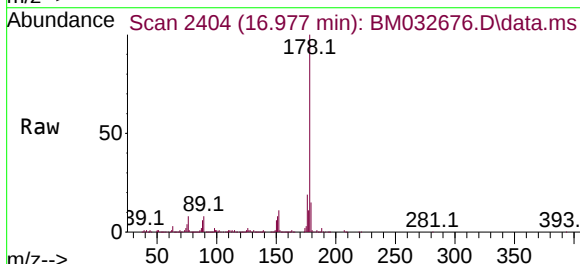
Instrument :  
BNA\_M  
ClientSampleId :  
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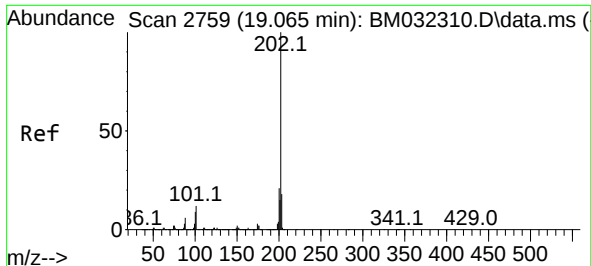
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Ion Ratio Lower Upper  
188 100  
94 9.6 6.3 9.5#  
80 10.2 7.3 10.9



#71  
Phenanthrene  
Concen: 5.466 ng  
RT: 16.977 min Scan# 2404  
Delta R.T. -0.006 min  
Lab File: BM032676.D  
Acq: 22 Oct 2021 15:32

Tgt Ion:178 Resp: 261315  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.6 23.4  
179 15.2 12.4 18.6

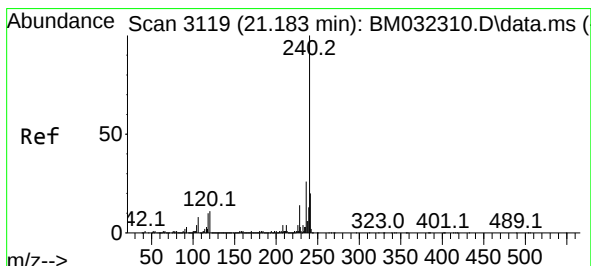
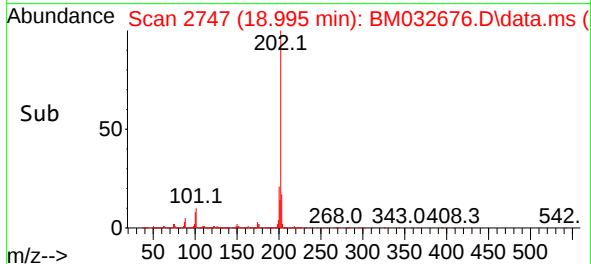
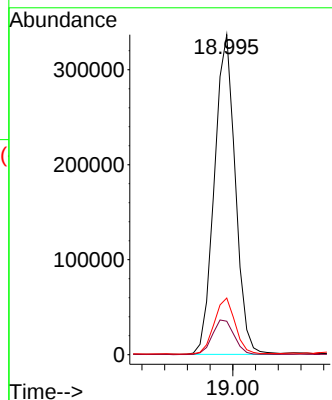
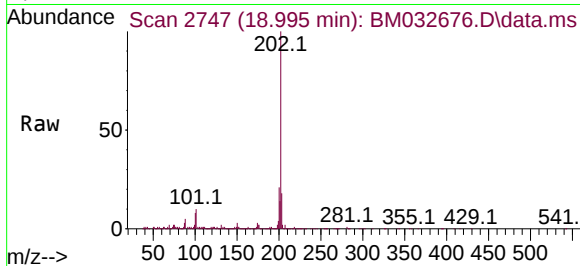




#75  
Fluoranthene  
Concen: 8.126 ng  
RT: 18.995 min Scan# 2747  
Delta R.T. -0.000 min  
Lab File: BM032676.D  
Acq: 22 Oct 2021 15:32

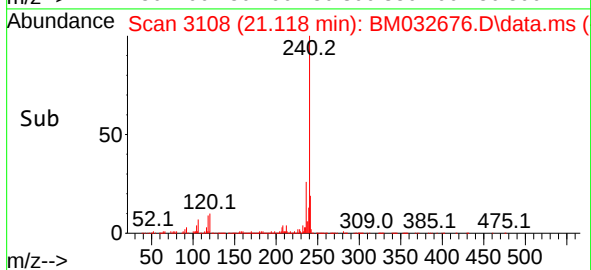
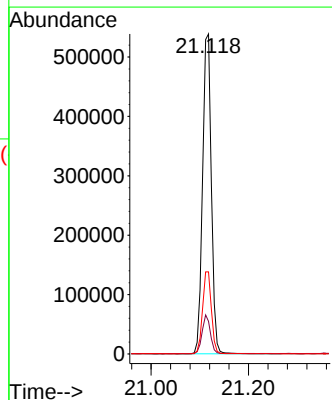
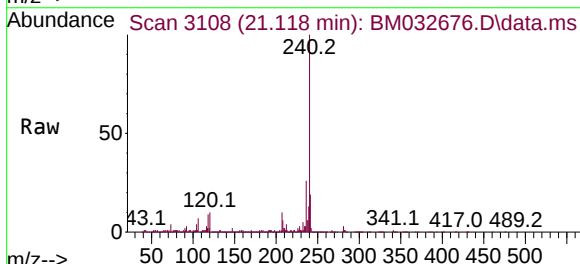
Instrument :  
BNA\_M  
ClientSampled :  
COMP-2

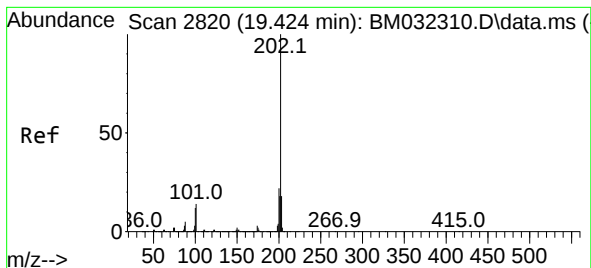
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 430776 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 10.4  | 0.0   | 29.9   |
| 203       | 17.7  | 0.0   | 36.8   |



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.118 min Scan# 3108  
Delta R.T. -0.000 min  
Lab File: BM032676.D  
Acq: 22 Oct 2021 15:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 673924 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 10.2  | 7.8   | 11.6   |
| 236       | 25.6  | 20.9  | 31.3   |





#78

Pyrene

Concen: 7.788 ng

RT: 19.353 min Scan# 2808

Delta R.T. -0.006 min

Lab File: BM032676.D

Acq: 22 Oct 2021 15:32

Tgt Ion:202 Resp: 355890

Ion Ratio Lower Upper

202 100

200 20.7 16.6 25.0

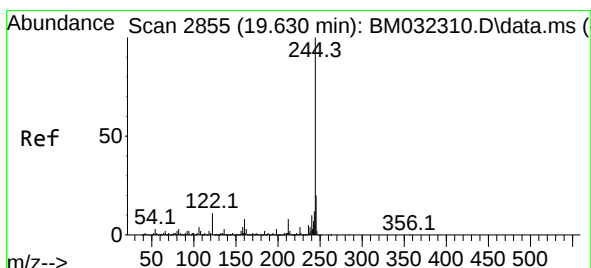
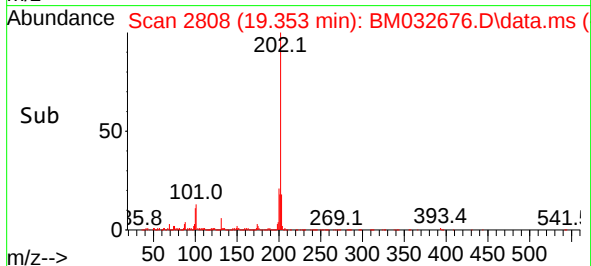
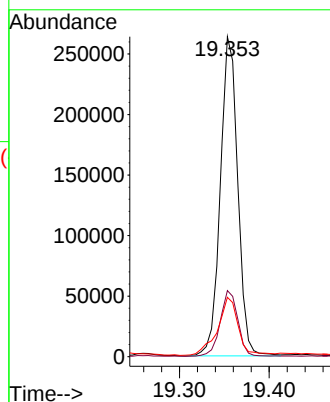
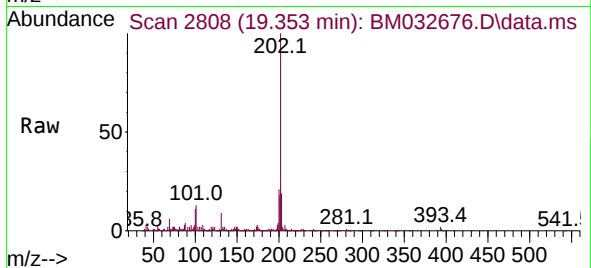
203 18.6 13.7 20.5

Instrument :

BNA\_M

ClientSampleId :

COMP-2



#79

Terphenyl-d14

Concen: 53.304 ng

RT: 19.559 min Scan# 2843

Delta R.T. -0.006 min

Lab File: BM032676.D

Acq: 22 Oct 2021 15:32

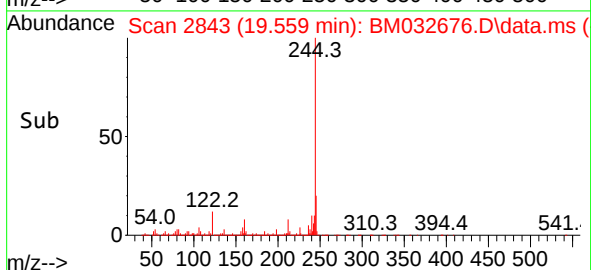
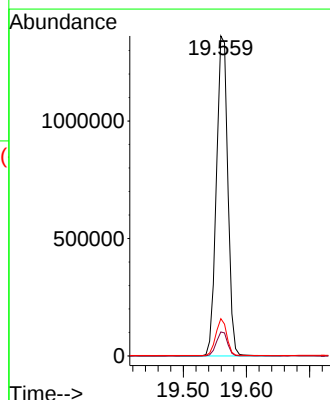
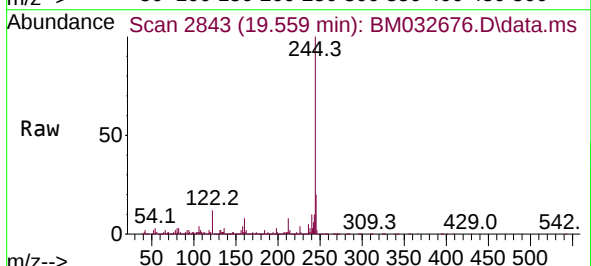
Tgt Ion:244 Resp: 1705701

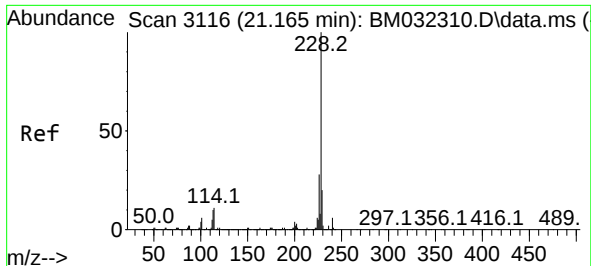
Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

122 11.7 8.7 13.1

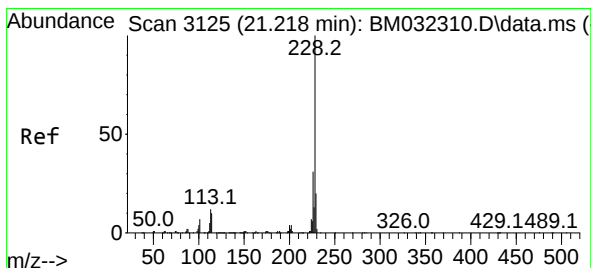
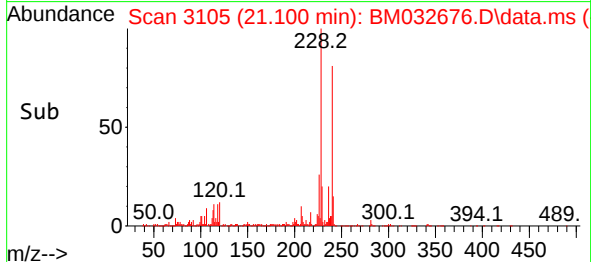
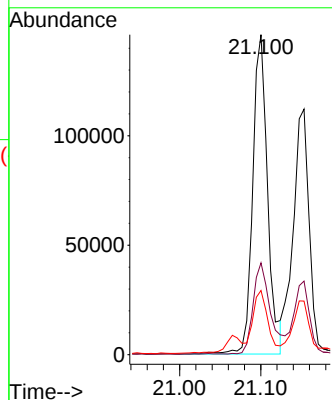
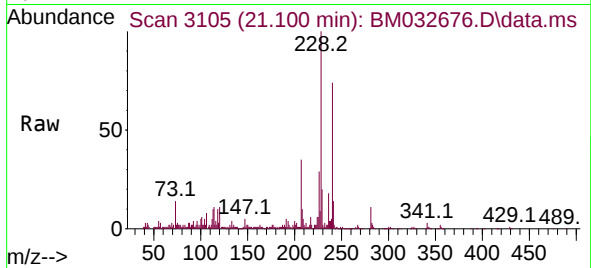




#81  
Benzo(a)anthracene  
Concen: 4.430 ng  
RT: 21.100 min Scan# 3105  
Delta R.T. -0.000 min  
Lab File: BM032676.D  
Acq: 22 Oct 2021 15:32

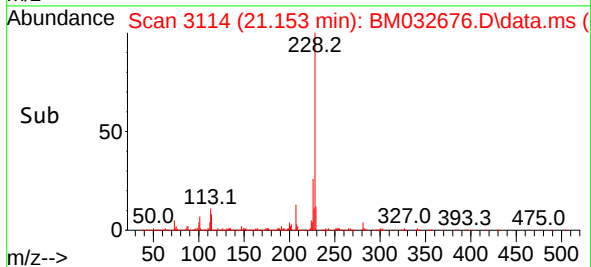
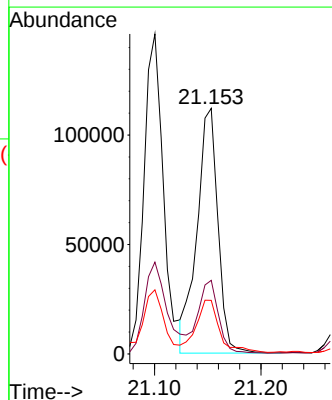
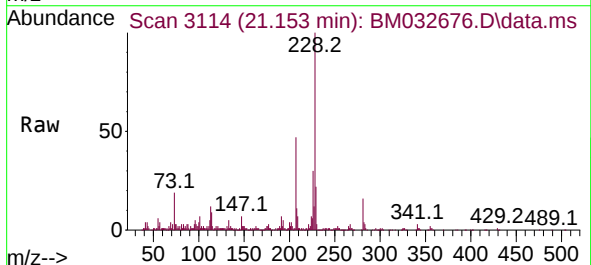
Instrument :  
BNA\_M  
ClientSampled :  
COMP-2

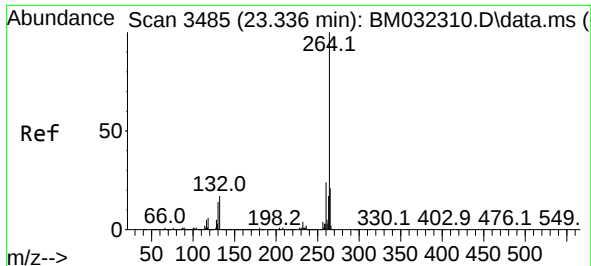
Tgt Ion:228 Resp: 186599  
Ion Ratio Lower Upper  
228 100  
226 28.7 21.4 32.2  
229 20.1 15.3 22.9



#83  
Chrysene  
Concen: 3.768 ng  
RT: 21.153 min Scan# 3114  
Delta R.T. -0.000 min  
Lab File: BM032676.D  
Acq: 22 Oct 2021 15:32

Tgt Ion:228 Resp: 153534  
Ion Ratio Lower Upper  
228 100  
226 30.0 24.0 36.0  
229 21.8 16.0 24.0



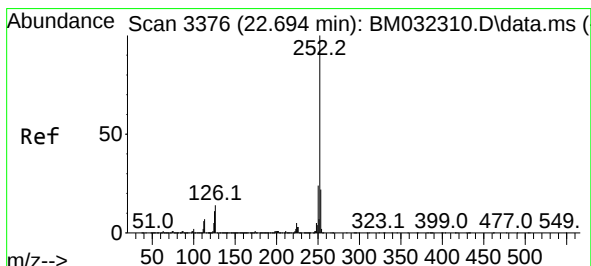
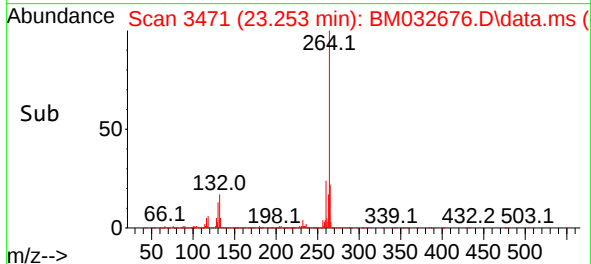
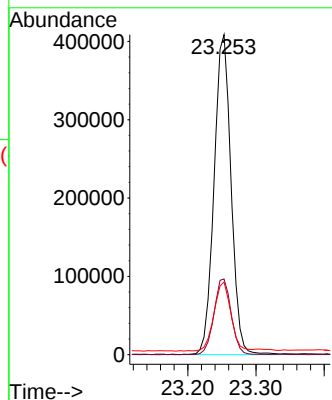
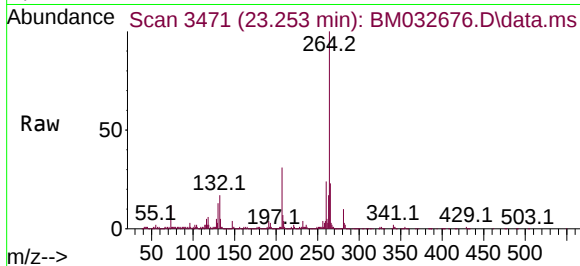


#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.253 min Scan# 3471  
 Delta R.T. -0.000 min  
 Lab File: BM032676.D  
 Acq: 22 Oct 2021 15:32

Instrument :  
 BNA\_M  
 ClientSampled :  
 COMP-2

Tgt Ion:264 Resp: 709357

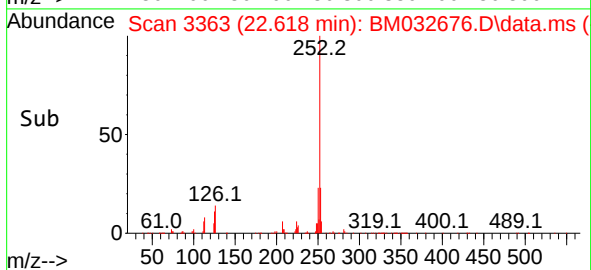
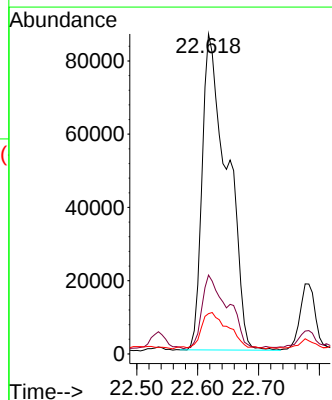
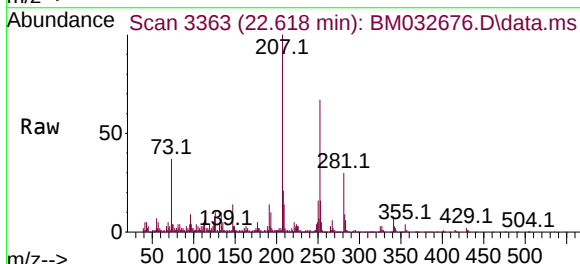
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.6  | 19.3  | 28.9  |
| 265 | 22.7  | 18.3  | 27.5  |

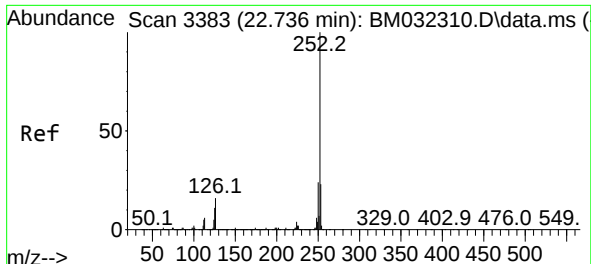


#88  
 Benzo(b)fluoranthene  
 Concen: 5.733 ng  
 RT: 22.618 min Scan# 3363  
 Delta R.T. -0.000 min  
 Lab File: BM032676.D  
 Acq: 22 Oct 2021 15:32

Tgt Ion:252 Resp: 247381

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 24.7  | 18.0  | 27.0  |
| 125 | 12.6  | 7.5   | 11.3# |

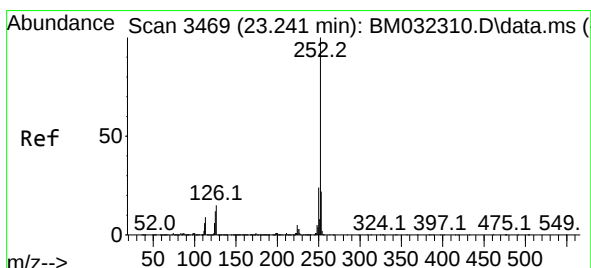
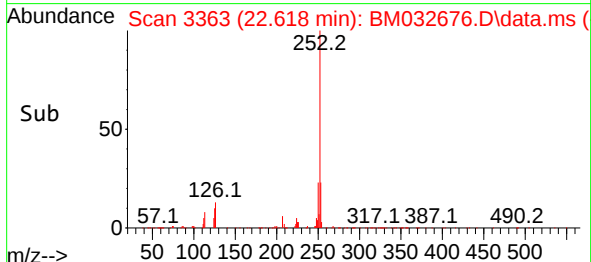
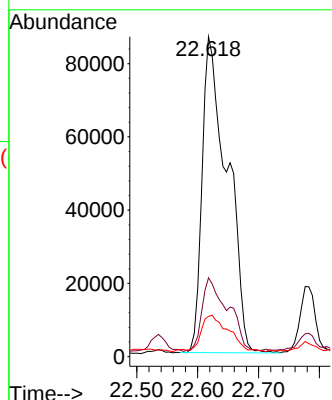
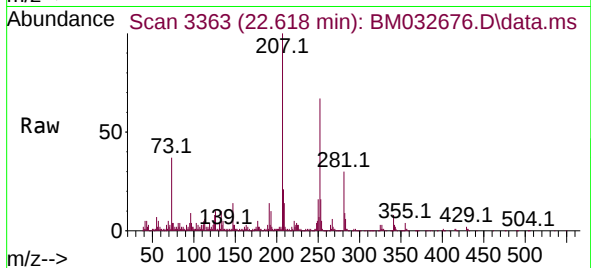




#89  
Benzo(k)fluoranthene  
Concen: 5.869 ng  
RT: 22.618 min Scan# 3363  
Delta R.T. -0.041 min  
Lab File: BM032676.D  
Acq: 22 Oct 2021 15:32

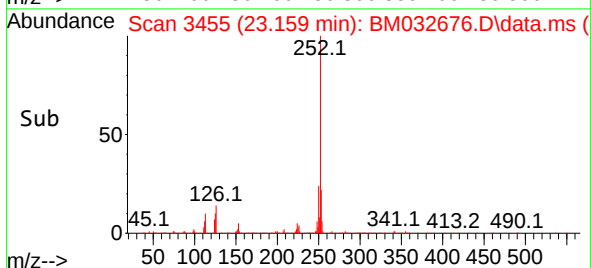
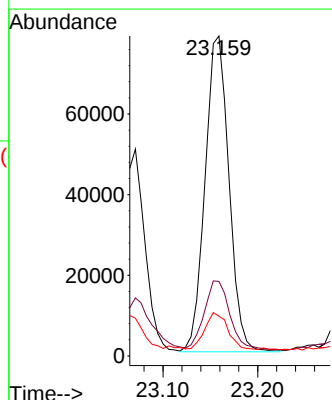
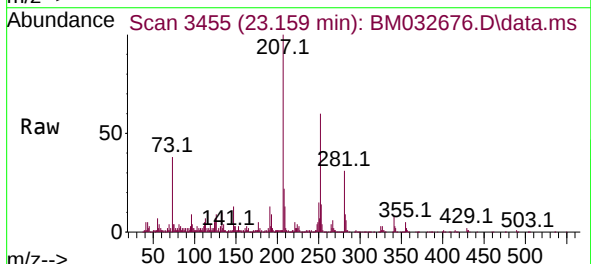
Instrument :  
BNA\_M  
ClientSampled :  
COMP-2

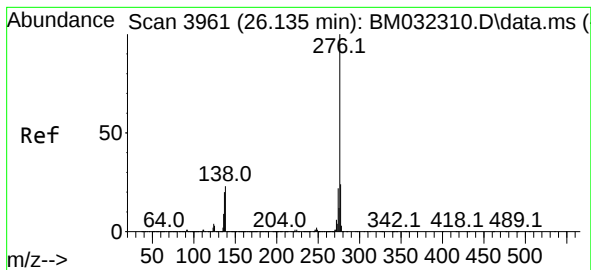
Tgt Ion:252 Resp: 247381  
Ion Ratio Lower Upper  
252 100  
253 24.7 17.3 25.9  
125 12.6 7.5 11.3#



#90  
Benzo(a)pyrene  
Concen: 3.930 ng  
RT: 23.159 min Scan# 3455  
Delta R.T. -0.000 min  
Lab File: BM032676.D  
Acq: 22 Oct 2021 15:32

Tgt Ion:252 Resp: 137538  
Ion Ratio Lower Upper  
252 100  
253 23.3 17.4 26.2  
125 12.5 8.1 12.1#





#92  
Benzo(g,h,i)perylene  
Concen: 2.037 ng  
RT: 26.000 min Scan# 3938  
Delta R.T. -0.006 min  
Lab File: BM032676.D  
Acq: 22 Oct 2021 15:32

Instrument :  
BNA\_M  
ClientSampleId :  
COMP-2

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 74212 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 24.7  | 19.4  | 29.0  |
| 138       | 27.0  | 14.6  | 22.0# |

