

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM082321\  
 Data File : BM031874.D  
 Acq On : 23 Aug 2021 16:40  
 Operator : CG/JU  
 Sample : PB138616BL  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB138616BL

Quant Time: Aug 23 17:22:17 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM082321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 23 15:51:36 2021  
 Response via : Initial Calibration

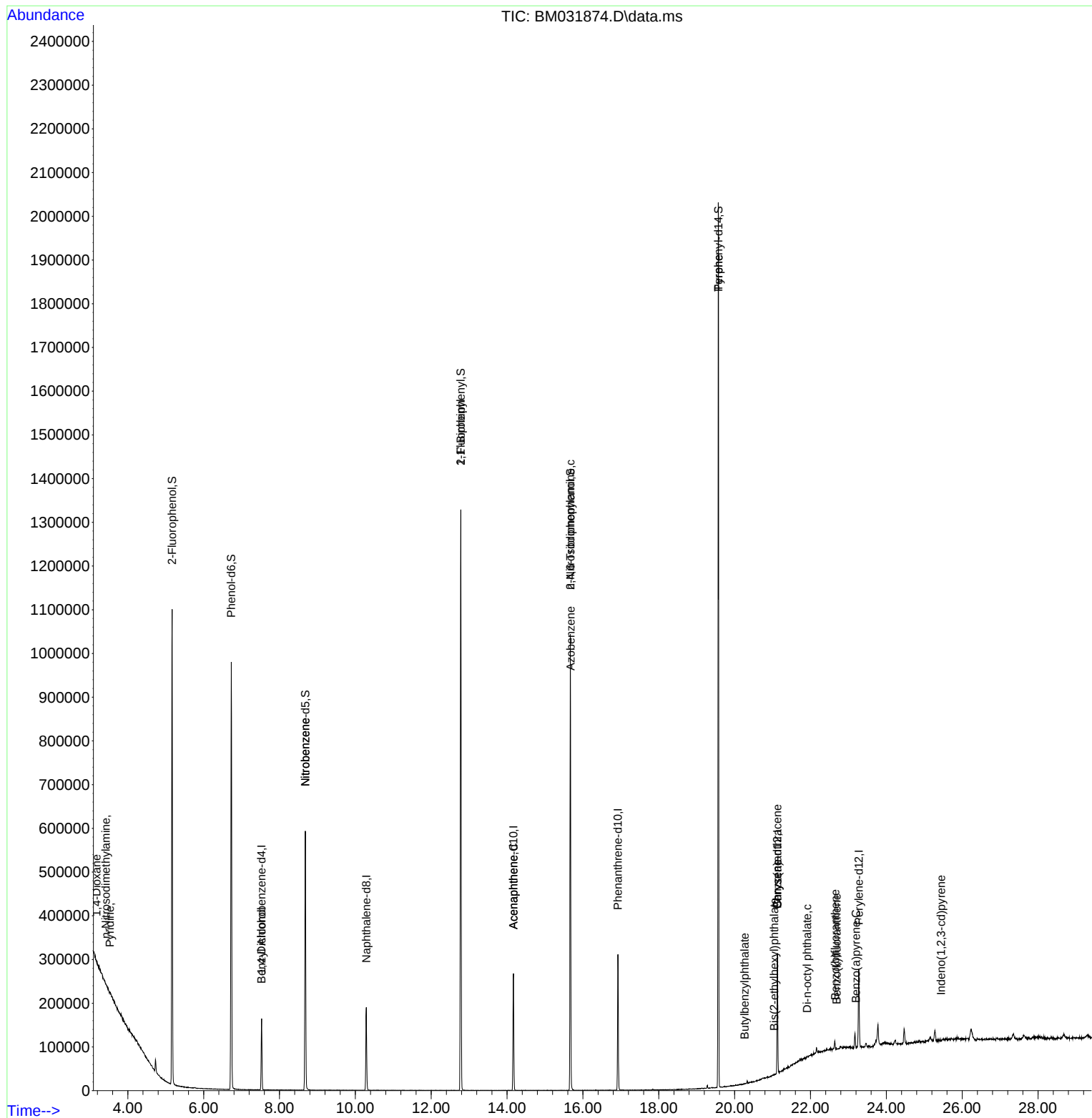
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.528  | 152  | 33717    | 20.000  | ng     | 0.00     |
| 21) Naphthalene-d8            | 10.286 | 136  | 137300   | 20.000  | ng     | 0.00     |
| 39) Acenaphthene-d10          | 14.168 | 164  | 84006    | 20.000  | ng     | 0.00     |
| 64) Phenanthrene-d10          | 16.921 | 188  | 163814   | 20.000  | ng     | 0.00     |
| 76) Chrysene-d12              | 21.127 | 240  | 117927   | 20.000  | ng     | 0.00     |
| 86) Perylene-d12              | 23.274 | 264  | 106448   | 20.000  | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 5) 2-Fluorophenol             | 5.169  | 112  | 357604   | 156.024 | ng     | 0.00     |
| 7) Phenol-d6                  | 6.728  | 99   | 414283   | 134.574 | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 8.681  | 82   | 293885   | 87.161  | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.668 | 330  | 117211   | 126.623 | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.780 | 172  | 570987   | 87.453  | ng     | 0.00     |
| 79) Terphenyl-d14             | 19.574 | 244  | 740313   | 94.445  | ng     | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 2) 1,4-Dioxane                | 3.175  | 88   | 68       | 0.091   | ng     | # 1      |
| 3) Pyridine                   | 3.528  | 79   | 89       | 0.040   | ng     | # 1      |
| 4) n-Nitrosodimethylamine     | 3.416  | 42   | 161      | 0.164   | ng     | # 1      |
| 15) Benzyl Alcohol            | 7.522  | 79   | 1413     | 0.558   | ng     | # 50     |
| 24) Nitrobenzene              | 8.681  | 77   | 1290     | 0.374   | ng     | # 47     |
| 46) 1,1'-Biphenyl             | 12.780 | 154  | 1097     | 0.162   | ng     | # 1      |
| 52) Acenaphthene              | 14.168 | 154  | 87       | 0.017   | ng     | # 4      |
| 63) Azobenzene                | 15.674 | 77   | 1593     | 0.186   | ng     | # 32     |
| 66) n-Nitrosodiphenylamine    | 15.668 | 169  | 6199     | 1.121   | ng     | # 49     |
| 78) Pyrene                    | 19.574 | 202  | 3569     | 0.378   | ng     | # 74     |
| 80) Butylbenzylphthalate      | 20.262 | 149  | 170      | 0.036   | ng     | # 19     |
| 81) Benzo(a)anthracene        | 21.127 | 228  | 272      | 0.031   | ng     | # 5      |
| 83) Chrysene                  | 21.127 | 228  | 272      | 0.033   | ng     | # 7      |
| 84) Bis(2-ethylhexyl)phtha... | 21.044 | 149  | 168      | 0.023   | ng     | # 55     |
| 85) Di-n-octyl phthalate      | 21.909 | 149  | 187      | 0.016   | ng     | # 1      |
| 87) Indeno(1,2,3-cd)pyrene    | 25.444 | 276  | 54       | 0.007   | ng     | # 51     |
| 88) Benzo(b)fluoranthene      | 22.650 | 252  | 228      | 0.029   | ng     | # 1      |
| 89) Benzo(k)fluoranthene      | 22.691 | 252  | 296      | 0.039   | ng     | # 1      |
| 90) Benzo(a)pyrene            | 23.197 | 252  | 55       | 0.008   | ng     | # 1      |

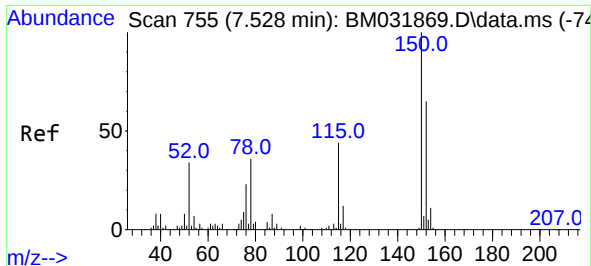
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM082321\  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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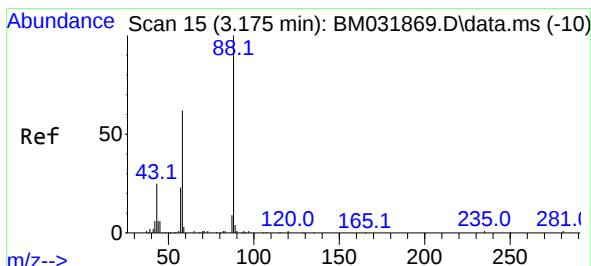
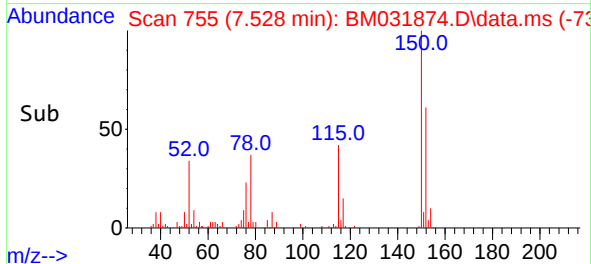
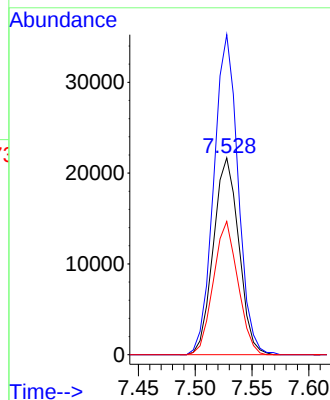
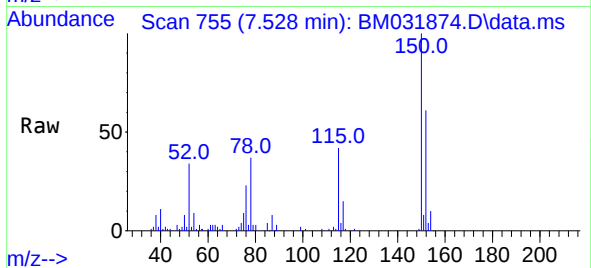




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.528 min Scan# 755  
Delta R.T. -0.000 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

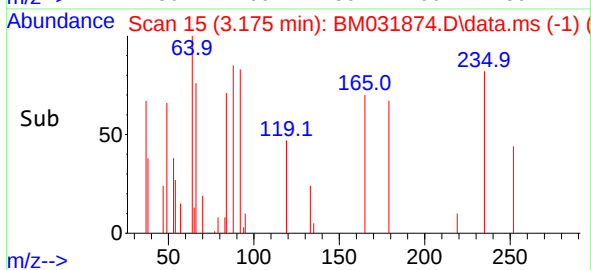
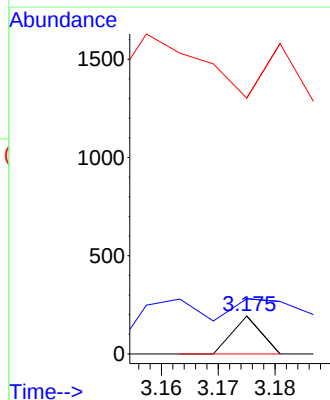
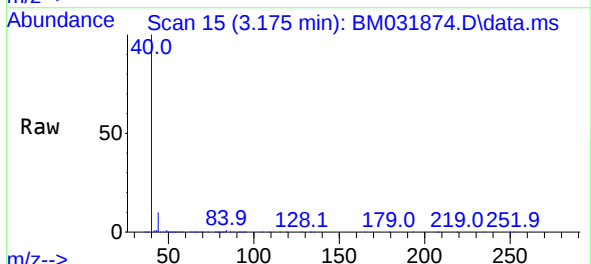
Instrument :  
BNA\_M  
ClientSampleId :  
PB138616BL

Tgt Ion:152 Resp: 33717  
Ion Ratio Lower Upper  
152 100  
150 162.6 122.4 183.6  
115 67.8 53.8 80.8

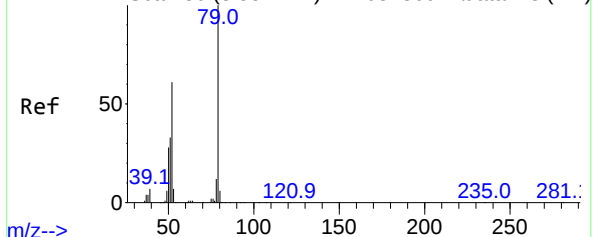


#2  
1,4-Dioxane  
Concen: 0.091 ng  
RT: 3.175 min Scan# 15  
Delta R.T. -0.000 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

Tgt Ion: 88 Resp: 68  
Ion Ratio Lower Upper  
88 100  
58 360.3 50.4 75.6#  
43 0.0 22.2 33.2#



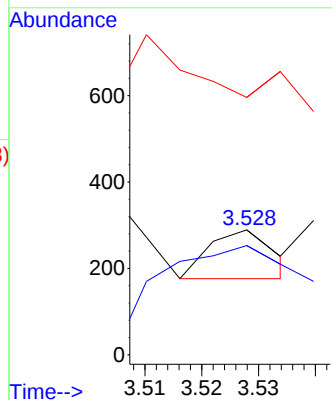
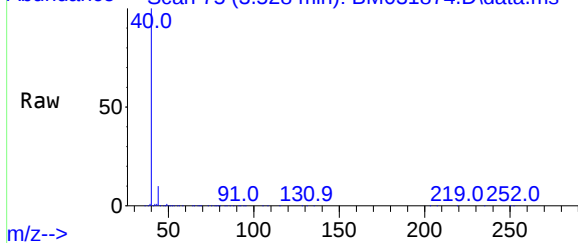
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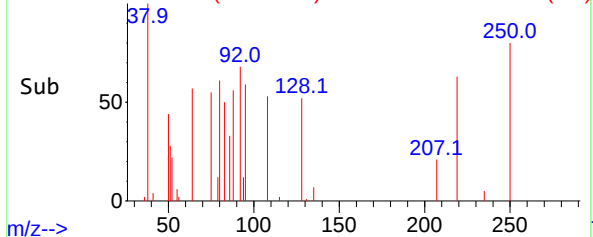
#3  
Pyridine  
Concen: 0.040 ng  
RT: 3.528 min Scan# 75  
Delta R.T. -0.029 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 79    | Resp: | 89    |
| Ion      | Ratio | Lower | Upper |
| 79       | 100   |       |       |
| 52       | 87.5  | 48.6  | 73.0# |
| 51       | 206.2 | 27.4  | 41.2# |

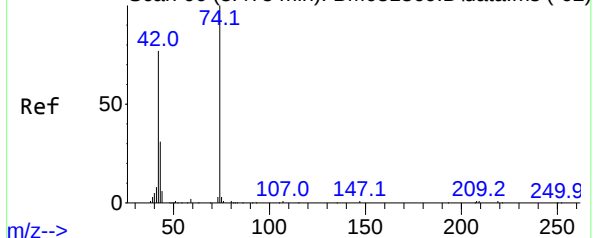
Abundance Scan 75 (3.528 min): BM031874.D\data.ms



Abundance Scan 75 (3.528 min): BM031874.D\data.ms (-63)



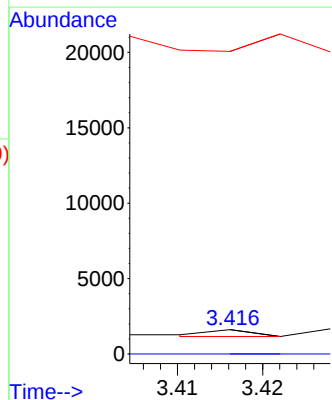
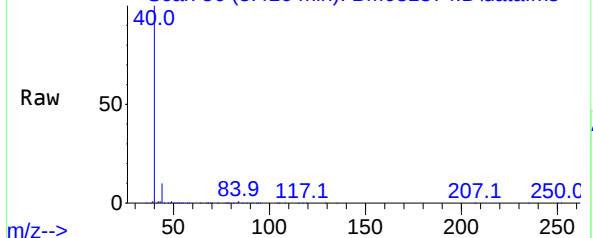
Abundance Scan 66 (3.475 min): BM031869.D\data.ms (-62)



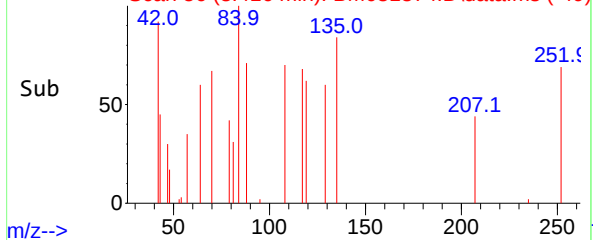
#4  
n-Nitrosodimethylamine  
Concen: 0.164 ng  
RT: 3.416 min Scan# 56  
Delta R.T. -0.059 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

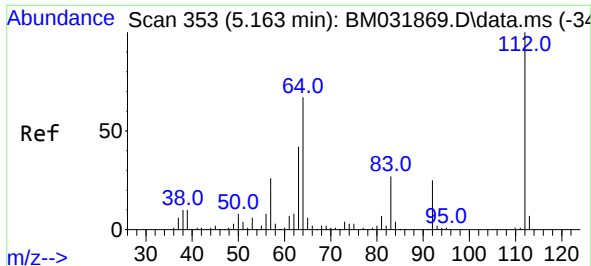
|          |        |       |        |
|----------|--------|-------|--------|
| Tgt Ion: | 42     | Resp: | 161    |
| Ion      | Ratio  | Lower | Upper  |
| 42       | 100    |       |        |
| 74       | 0.0    | 99.5  | 149.3# |
| 44       | 1244.4 | 57.3  | 85.9#  |

Abundance Scan 56 (3.416 min): BM031874.D\data.ms



Abundance Scan 56 (3.416 min): BM031874.D\data.ms (-49)

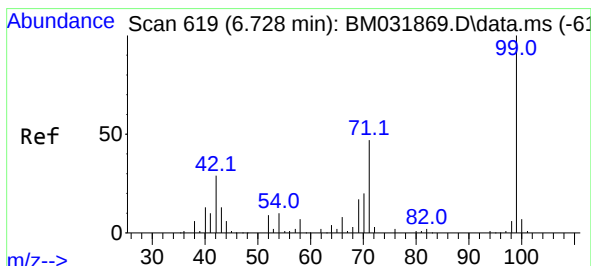
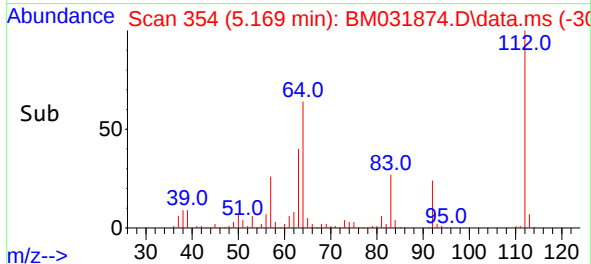
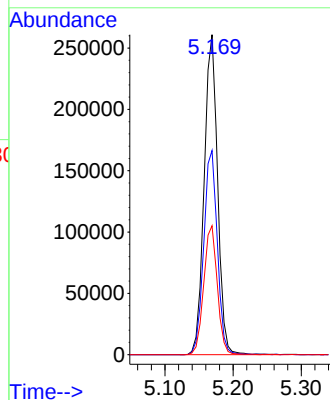
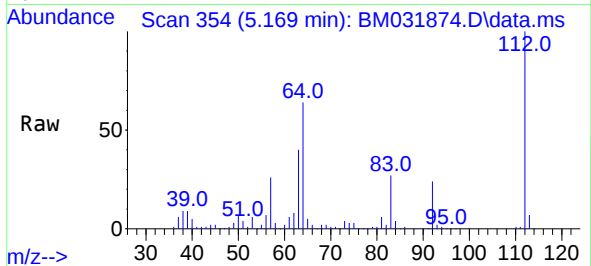




#5  
2-Fluorophenol  
Concen: 156.024 ng  
RT: 5.169 min Scan# 354  
Delta R.T. 0.006 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

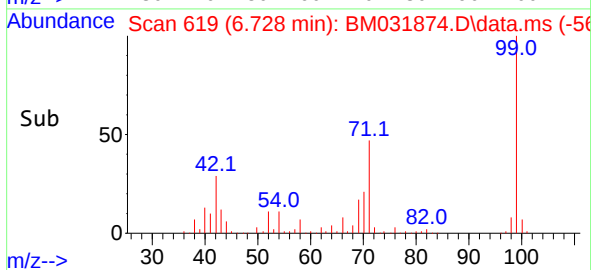
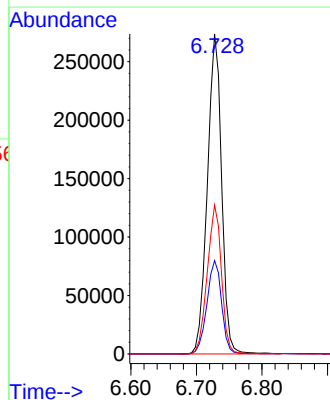
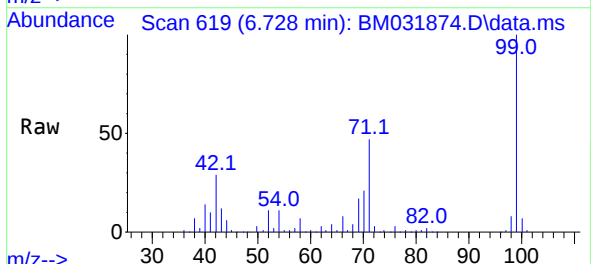
Instrument :  
BNA\_M  
ClientSampleId :  
PB138616BL

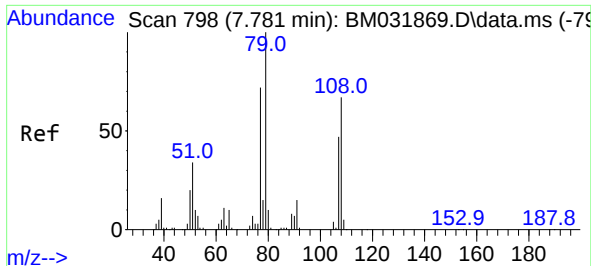
Tgt Ion:112 Resp: 357604  
Ion Ratio Lower Upper  
112 100  
64 63.8 53.7 80.5  
63 40.3 33.9 50.9



#7  
Phenol-d6  
Concen: 134.574 ng  
RT: 6.728 min Scan# 619  
Delta R.T. -0.000 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

Tgt Ion: 99 Resp: 414283  
Ion Ratio Lower Upper  
99 100  
42 29.2 23.0 34.6  
71 46.6 37.8 56.8

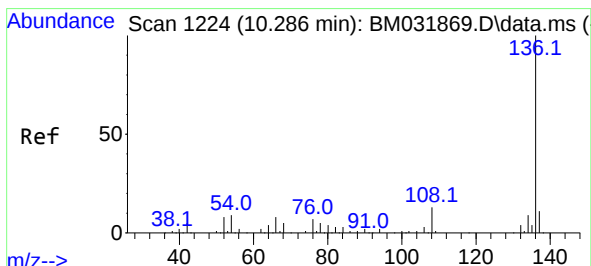
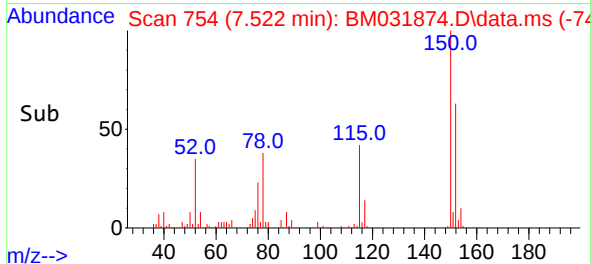
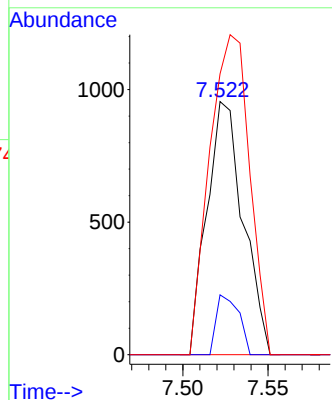
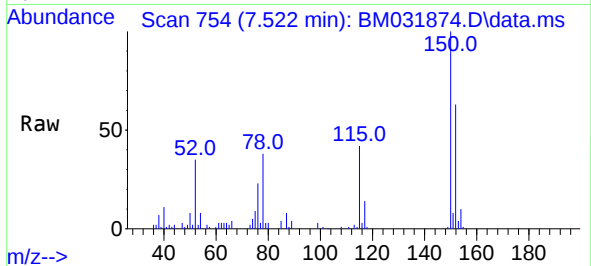




#15  
Benzyl Alcohol  
Concen: 0.558 ng  
RT: 7.522 min Scan# 754  
Delta R.T. -0.259 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

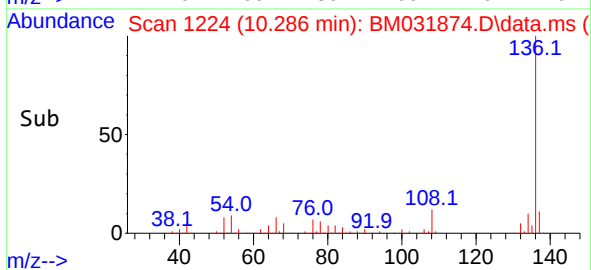
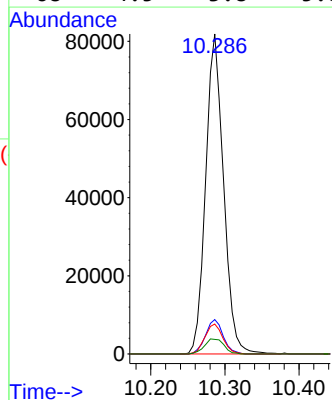
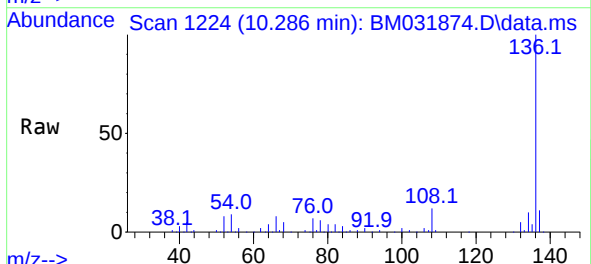
Instrument :  
BNA\_M  
ClientSampleId :  
PB138616BL

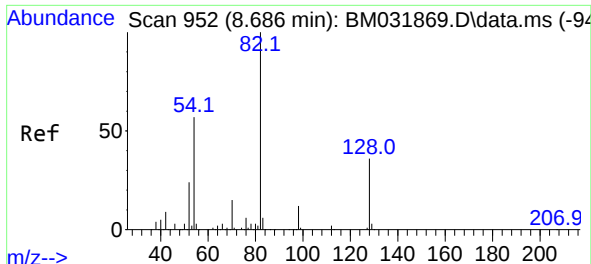
|             |                  |
|-------------|------------------|
| Tgt Ion: 79 | Resp: 1413       |
| Ion Ratio   | Lower Upper      |
| 79          | 100              |
| 108         | 23.7 53.6 80.4#  |
| 77          | 110.9 57.7 86.5# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.286 min Scan# 1224  
Delta R.T. -0.000 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

|              |               |
|--------------|---------------|
| Tgt Ion: 136 | Resp: 137300  |
| Ion Ratio    | Lower Upper   |
| 136          | 100           |
| 137          | 10.8 8.7 13.1 |
| 54           | 9.3 7.4 11.0  |
| 68           | 4.5 3.8 5.8   |

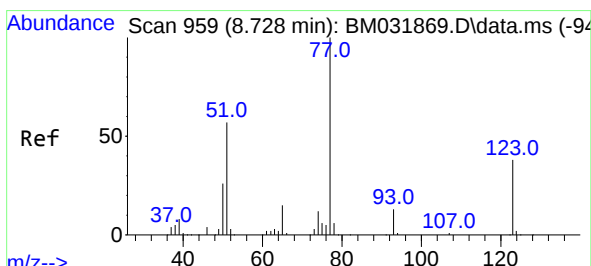
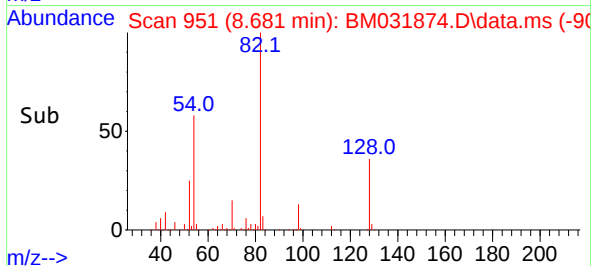
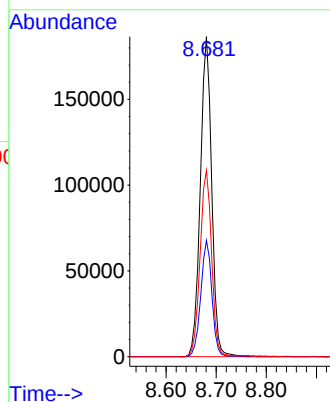
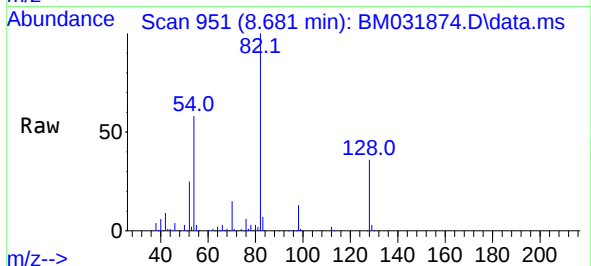




#23  
Nitrobenzene-d5  
Concen: 87.161 ng  
RT: 8.681 min Scan# 951  
Delta R.T. -0.006 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

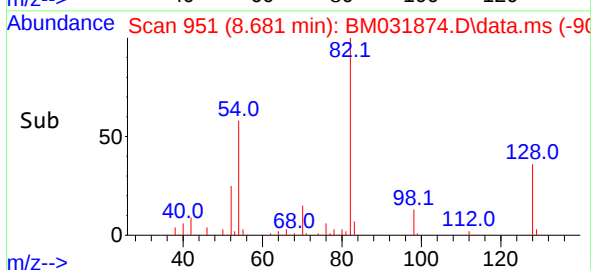
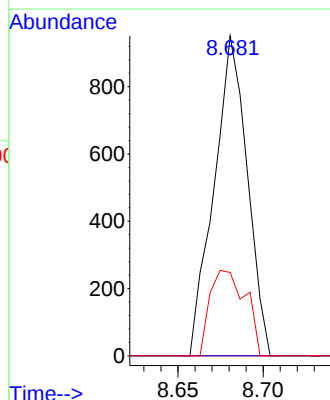
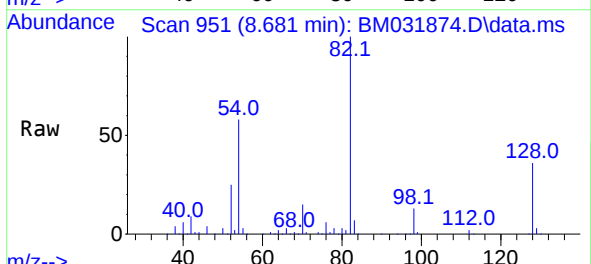
Instrument :  
BNA\_M  
ClientSampleId :  
PB138616BL

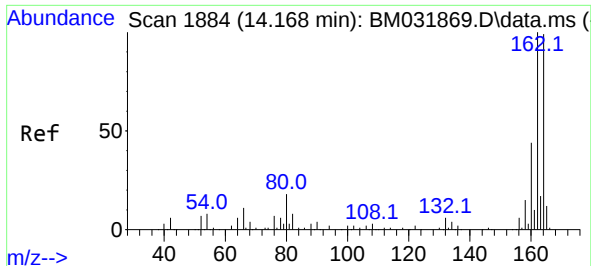
Tgt Ion: 82 Resp: 293885  
Ion Ratio Lower Upper  
82 100  
128 36.3 29.0 43.6  
54 58.2 45.8 68.8



#24  
Nitrobenzene  
Concen: 0.374 ng  
RT: 8.681 min Scan# 951  
Delta R.T. -0.047 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

Tgt Ion: 77 Resp: 1290  
Ion Ratio Lower Upper  
77 100  
123 0.0 30.1 45.1#  
65 26.1 11.7 17.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.168 min Scan# 1884

Delta R.T. -0.000 min

Lab File: BM031874.D

Acq: 23 Aug 2021 16:40

Instrument :

BNA\_M

ClientSampleId :

PB138616BL

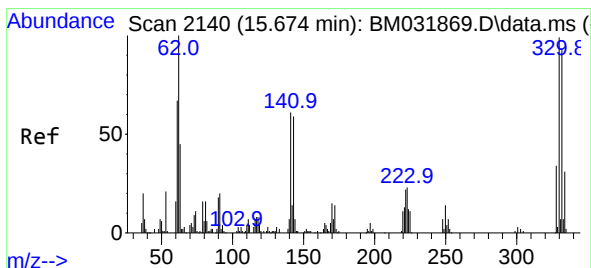
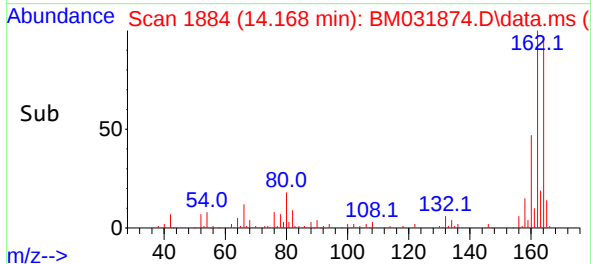
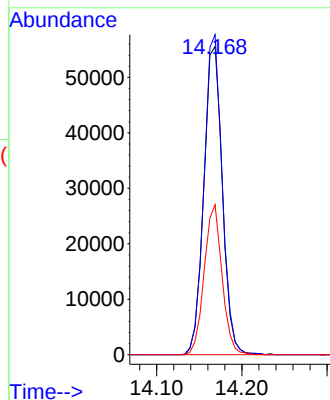
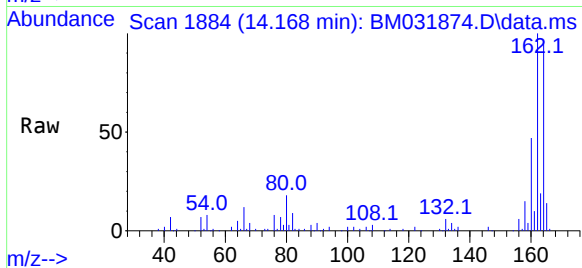
Tgt Ion:164 Resp: 84006

Ion Ratio Lower Upper

164 100

162 103.9 80.6 121.0

160 48.7 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 126.623 ng

RT: 15.668 min Scan# 2139

Delta R.T. -0.006 min

Lab File: BM031874.D

Acq: 23 Aug 2021 16:40

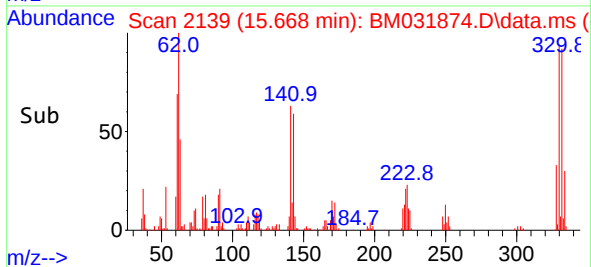
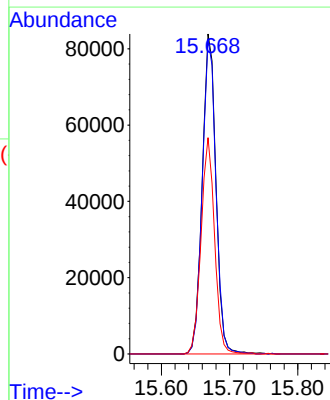
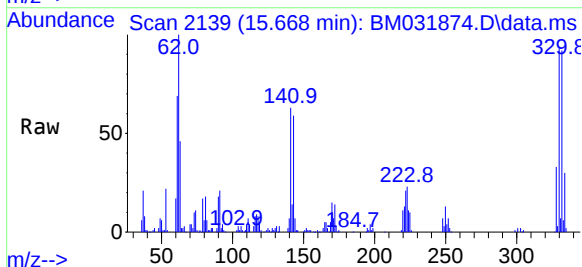
Tgt Ion:330 Resp: 117211

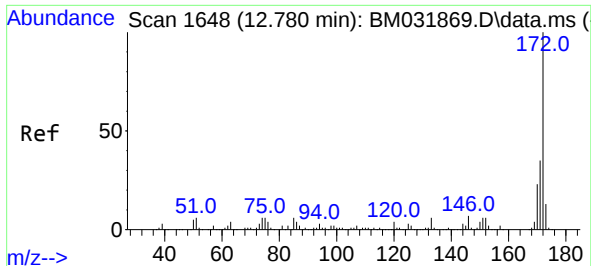
Ion Ratio Lower Upper

330 100

332 98.2 75.7 113.5

141 66.6 50.7 76.1

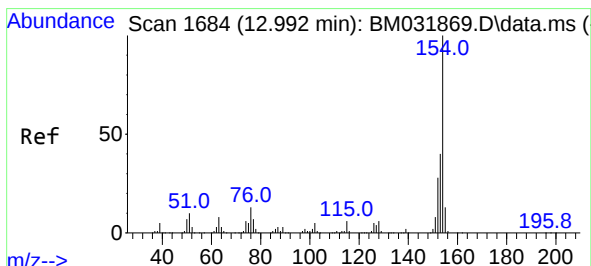
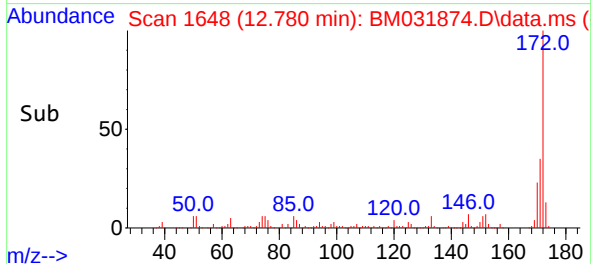
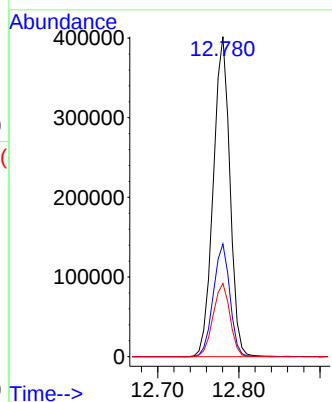
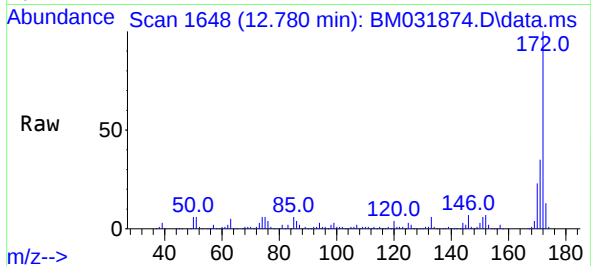




#45  
2-Fluorobiphenyl  
Concen: 87.453 ng  
RT: 12.780 min Scan# 1648  
Delta R.T. -0.000 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

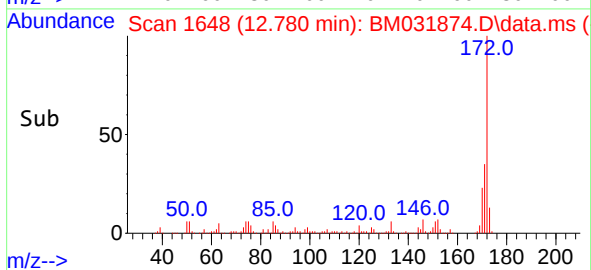
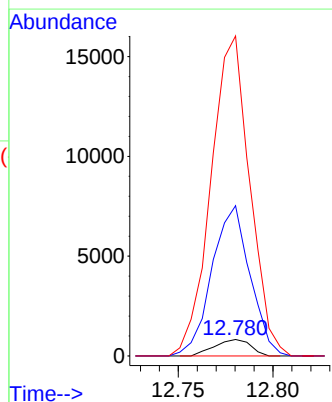
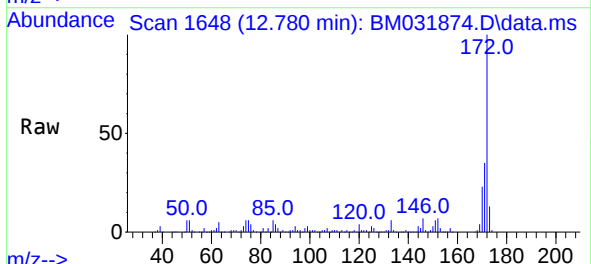
Instrument :  
BNA\_M  
ClientSampleId :  
PB138616BL

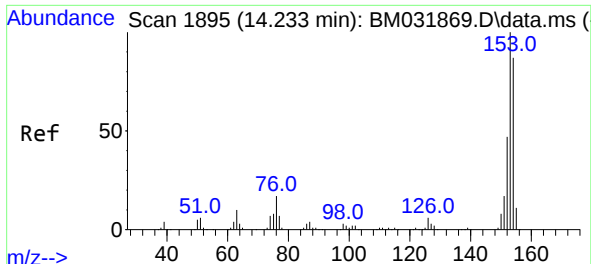
Tgt Ion:172 Resp: 570987  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.1 42.1  
170 22.9 18.6 27.8



#46  
1,1'-Biphenyl  
Concen: 0.162 ng  
RT: 12.780 min Scan# 1648  
Delta R.T. -0.212 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

Tgt Ion:154 Resp: 1097  
Ion Ratio Lower Upper  
154 100  
153 914.2 20.3 60.3#  
76 1948.0 0.0 33.5#

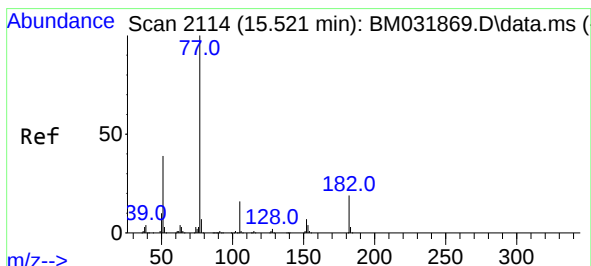
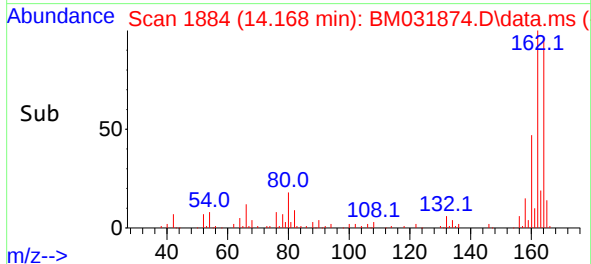
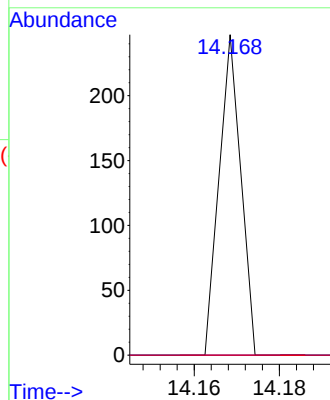
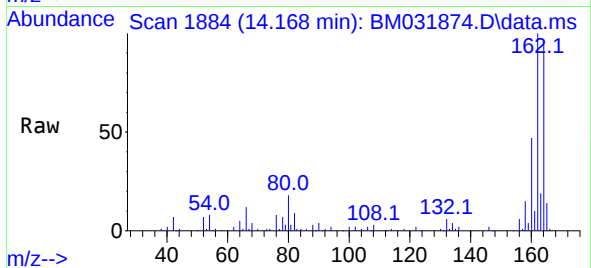




#52  
Acenaphthene  
Concen: 0.017 ng  
RT: 14.168 min Scan# 1884  
Delta R.T. -0.065 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

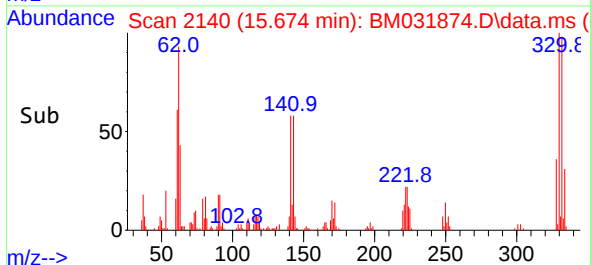
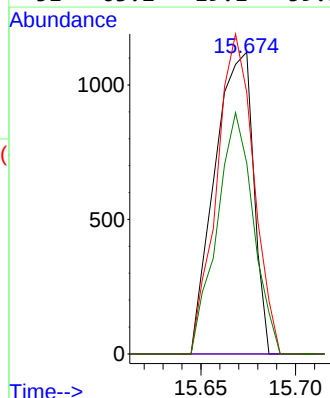
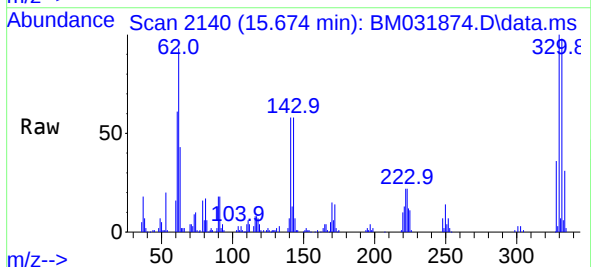
Instrument :  
BNA\_M  
ClientSampleId :  
PB138616BL

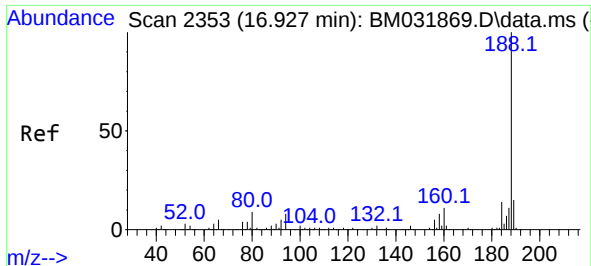
Tgt Ion:154 Resp: 87  
Ion Ratio Lower Upper  
154 100  
153 0.0 92.4 138.6#  
152 0.0 43.7 65.5#



#63  
Azobenzene  
Concen: 0.186 ng  
RT: 15.674 min Scan# 2140  
Delta R.T. 0.153 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

Tgt Ion: 77 Resp: 1593  
Ion Ratio Lower Upper  
77 100  
182 0.0 0.0 39.3  
105 86.6 0.0 36.1#  
51 63.2 19.1 59.1#

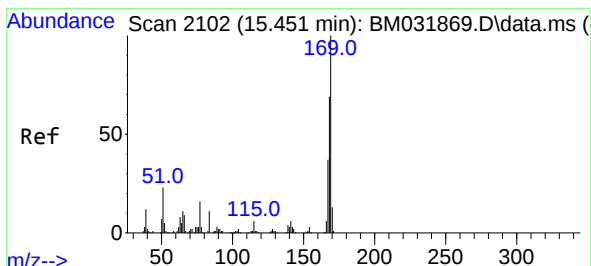
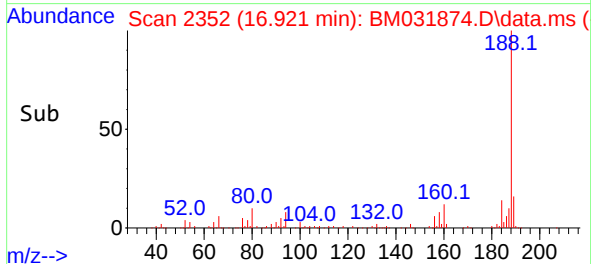
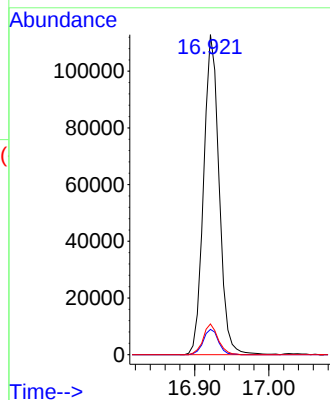
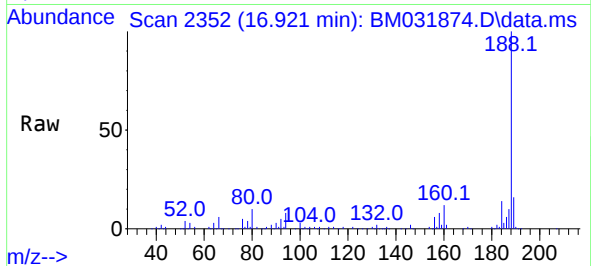




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.921 min Scan# 2352  
Delta R.T. -0.006 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

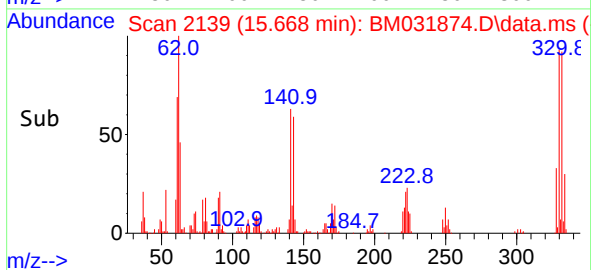
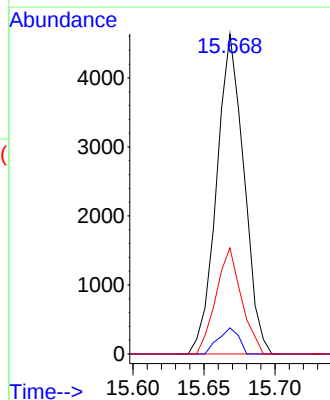
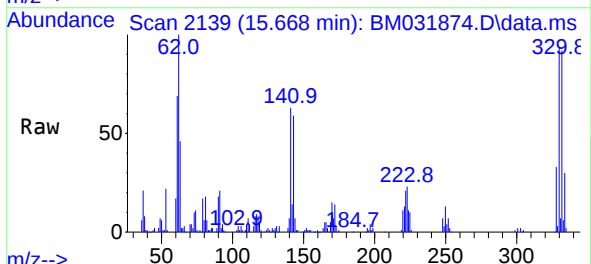
Instrument :  
BNA\_M  
ClientSampleId :  
PB138616BL

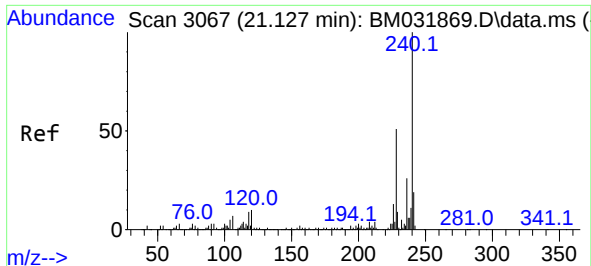
Tgt Ion:188 Resp: 163814  
Ion Ratio Lower Upper  
188 100  
94 7.9 6.3 9.5  
80 9.6 7.3 10.9



#66  
n-Nitrosodiphenylamine  
Concen: 1.121 ng  
RT: 15.668 min Scan# 2139  
Delta R.T. 0.218 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

Tgt Ion:169 Resp: 6199  
Ion Ratio Lower Upper  
169 100  
168 8.2 55.0 82.4#  
167 41.3 29.8 44.8

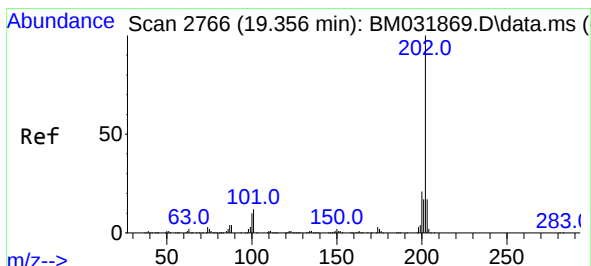
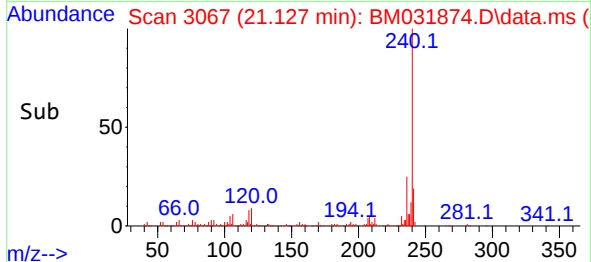
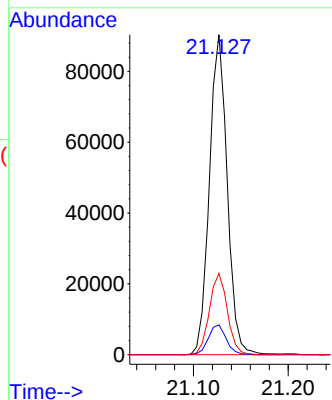
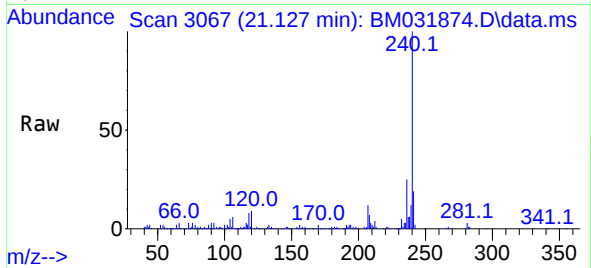




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.127 min Scan# 3067  
Delta R.T. -0.000 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

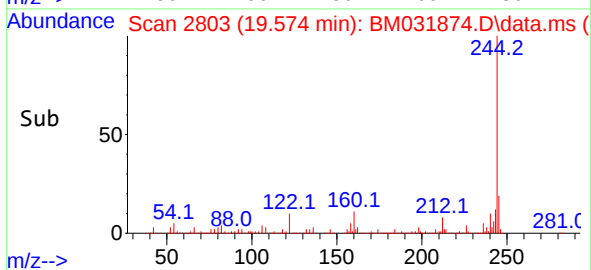
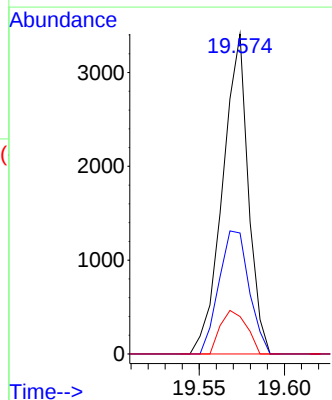
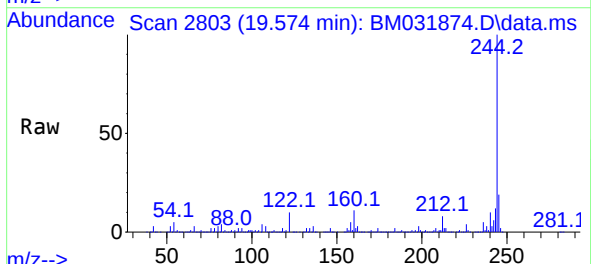
Instrument :  
BNA\_M  
ClientSampleId :  
PB138616BL

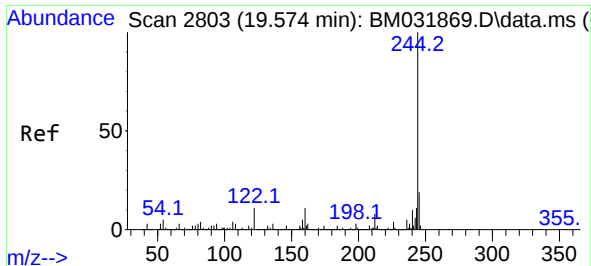
Tgt Ion:240 Resp: 117927  
Ion Ratio Lower Upper  
240 100  
120 9.3 7.8 11.6  
236 25.4 20.9 31.3



#78  
Pyrene  
Concen: 0.378 ng  
RT: 19.574 min Scan# 2803  
Delta R.T. 0.218 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

Tgt Ion:202 Resp: 3569  
Ion Ratio Lower Upper  
202 100  
200 37.8 16.6 25.0#  
203 11.7 13.7 20.5#

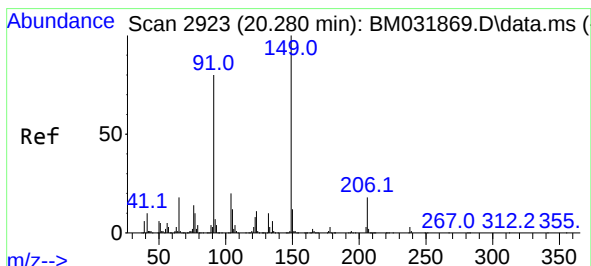
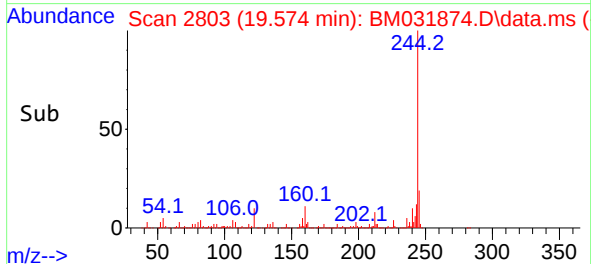
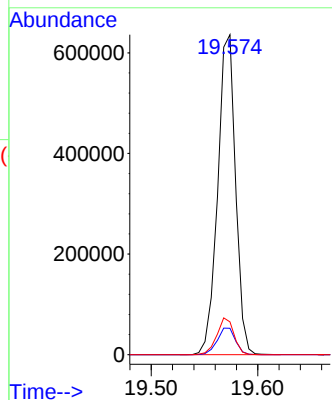
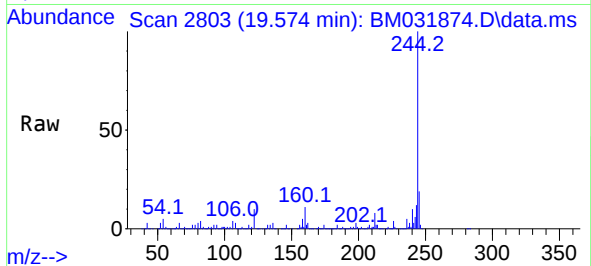




#79  
 Terphenyl-d14  
 Concen: 94.445 ng  
 RT: 19.574 min Scan# 2803  
 Delta R.T. -0.000 min  
 Lab File: BM031874.D  
 Acq: 23 Aug 2021 16:40

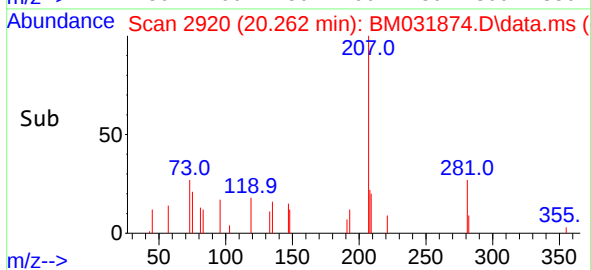
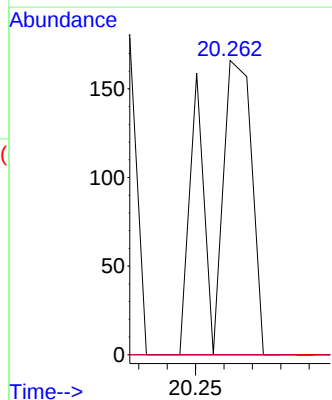
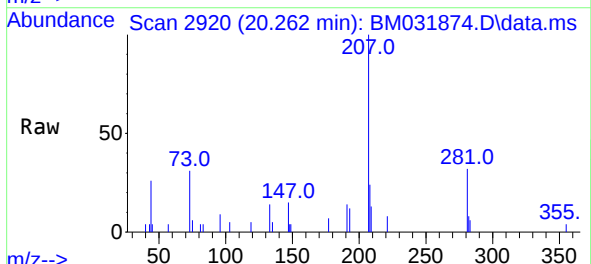
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB138616BL

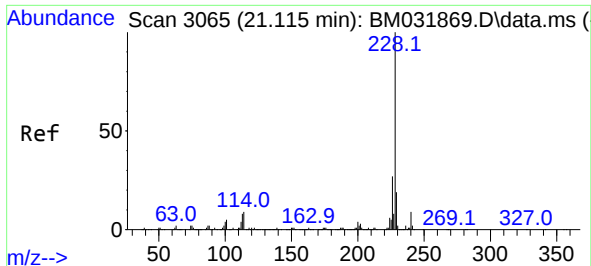
Tgt Ion:244 Resp: 740313  
 Ion Ratio Lower Upper  
 244 100  
 212 8.3 6.5 9.7  
 122 10.3 8.7 13.1



#80  
 Butylbenzylphthalate  
 Concen: 0.036 ng  
 RT: 20.262 min Scan# 2920  
 Delta R.T. -0.018 min  
 Lab File: BM031874.D  
 Acq: 23 Aug 2021 16:40

Tgt Ion:149 Resp: 170  
 Ion Ratio Lower Upper  
 149 100  
 91 0.0 64.0 96.0#  
 206 0.0 14.4 21.6#

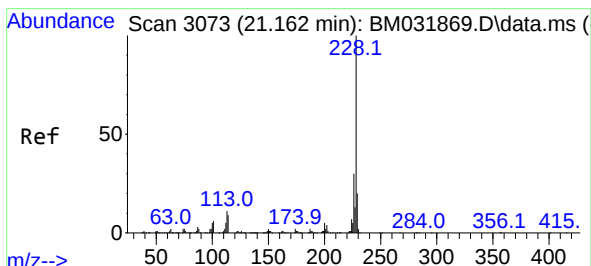
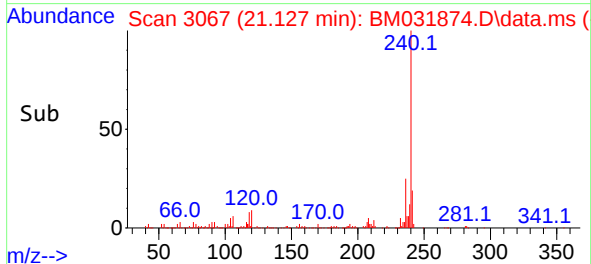
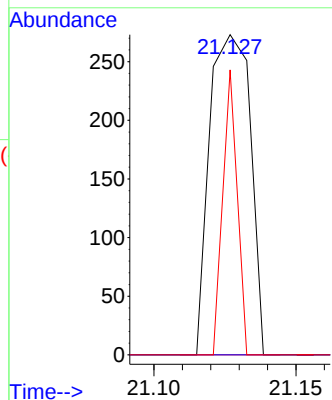
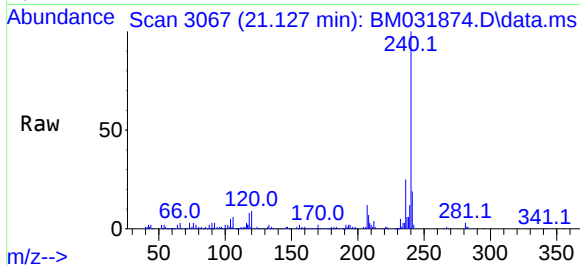




#81  
Benzo(a)anthracene  
Concen: 0.031 ng  
RT: 21.127 min Scan# 3067  
Delta R.T. 0.012 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

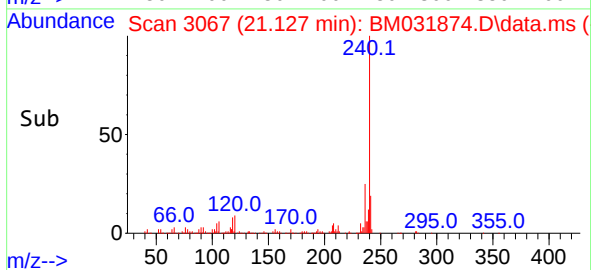
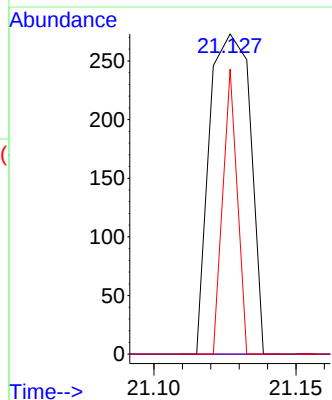
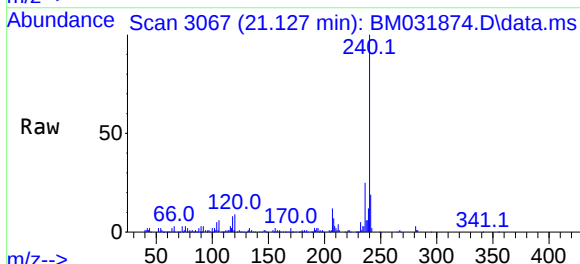
Instrument :  
BNA\_M  
ClientSampleId :  
PB138616BL

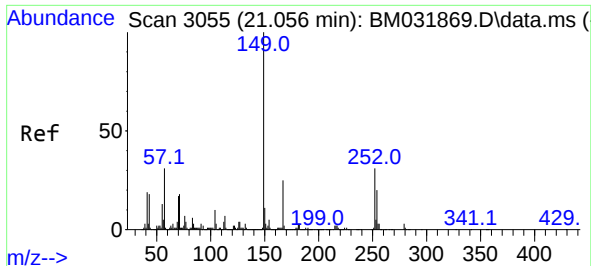
Tgt Ion:228 Resp: 272  
Ion Ratio Lower Upper  
228 100  
226 0.0 21.4 32.2#  
229 89.0 15.3 22.9#



#83  
Chrysene  
Concen: 0.033 ng  
RT: 21.127 min Scan# 3067  
Delta R.T. -0.035 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

Tgt Ion:228 Resp: 272  
Ion Ratio Lower Upper  
228 100  
226 0.0 24.0 36.0#  
229 89.0 16.0 24.0#

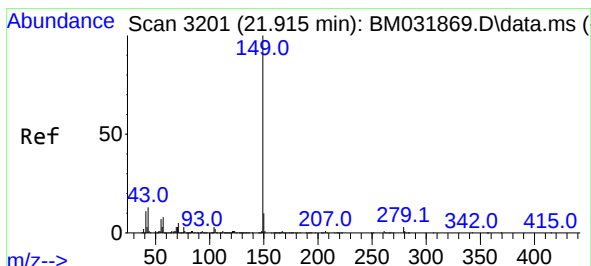
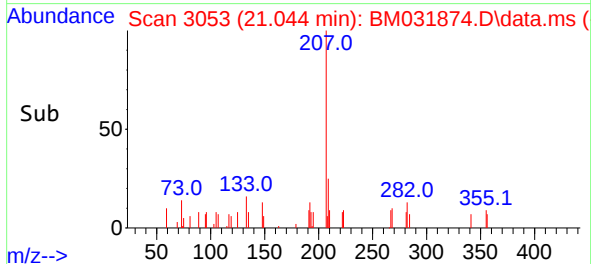
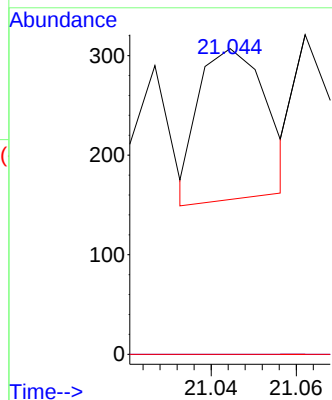
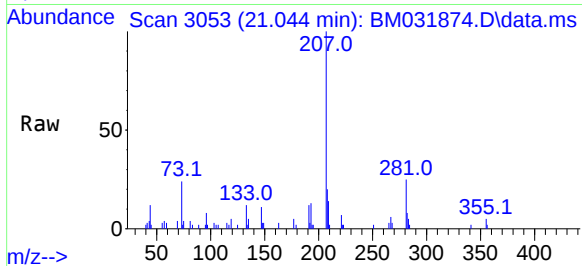




#84  
Bis(2-ethylhexyl)phthalate  
Concen: 0.023 ng  
RT: 21.044 min Scan# 3053  
Delta R.T. -0.012 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

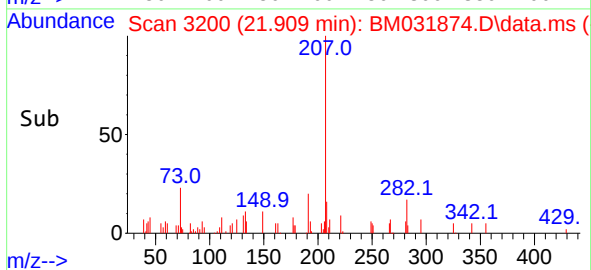
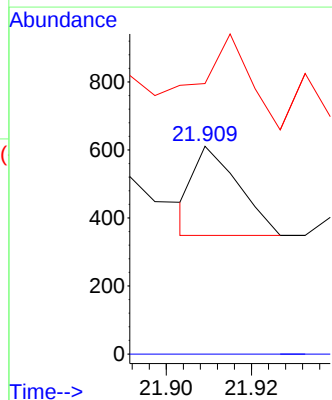
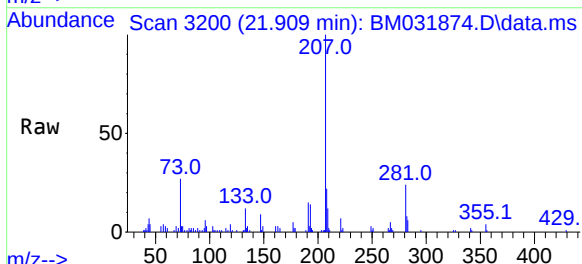
Instrument :  
BNA\_M  
ClientSampleId :  
PB138616BL

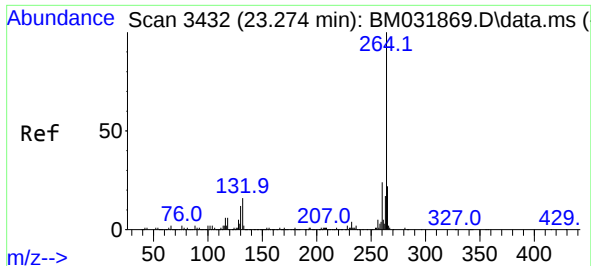
Tgt Ion:149 Resp: 168  
Ion Ratio Lower Upper  
149 100  
167 0.0 19.7 29.5#  
279 0.0 2.6 4.0#



#85  
Di-n-octyl phthalate  
Concen: 0.016 ng  
RT: 21.909 min Scan# 3200  
Delta R.T. -0.006 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

Tgt Ion:149 Resp: 187  
Ion Ratio Lower Upper  
149 100  
167 0.0 1.2 1.8#  
43 101.6 10.4 15.6#



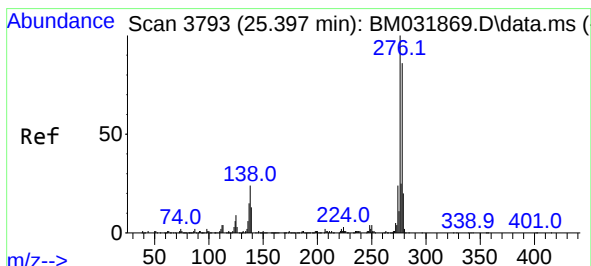
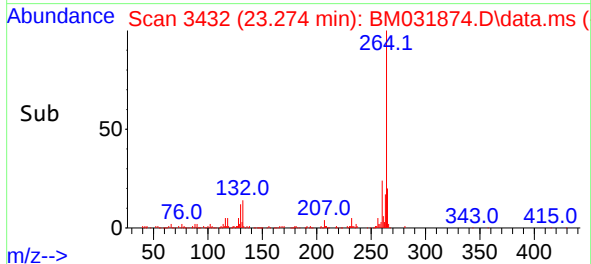
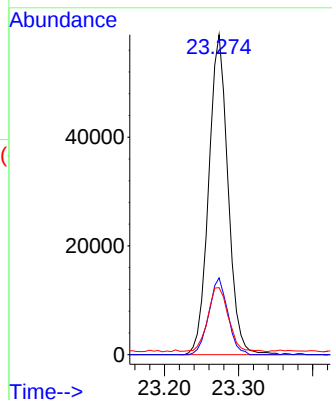
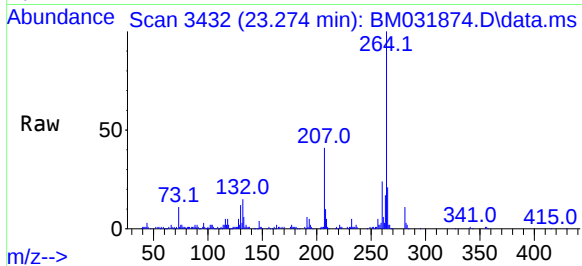


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.274 min Scan# 3432  
Delta R.T. -0.000 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

Instrument :  
BNA\_M  
ClientSampleId :  
PB138616BL

Tgt Ion:264 Resp: 106448

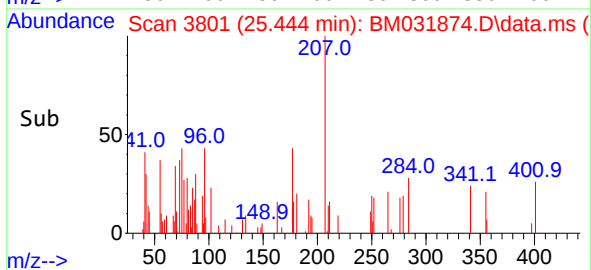
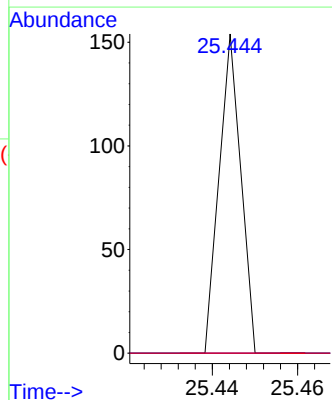
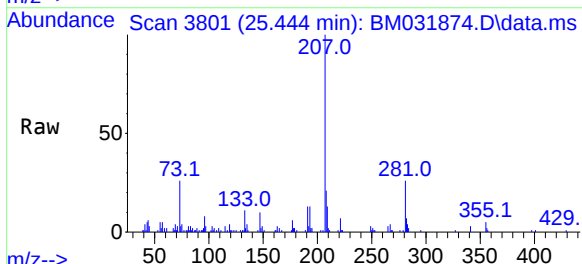
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.0  | 19.3  | 28.9  |
| 265 | 21.0  | 18.3  | 27.5  |

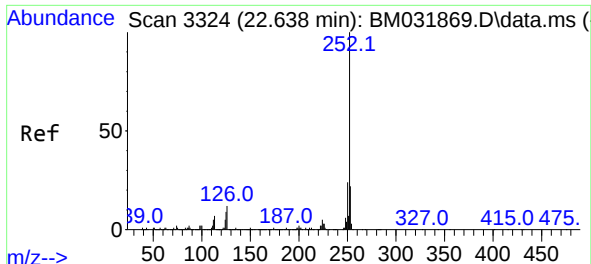


#87  
Indeno(1,2,3-cd)pyrene  
Concen: 0.007 ng  
RT: 25.444 min Scan# 3801  
Delta R.T. 0.047 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

Tgt Ion:276 Resp: 54

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 0.0   | 18.4  | 27.6# |
| 277 | 0.0   | 20.1  | 30.1# |

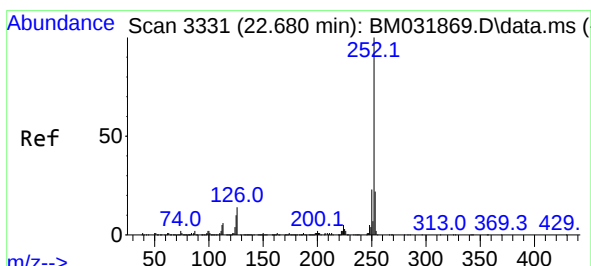
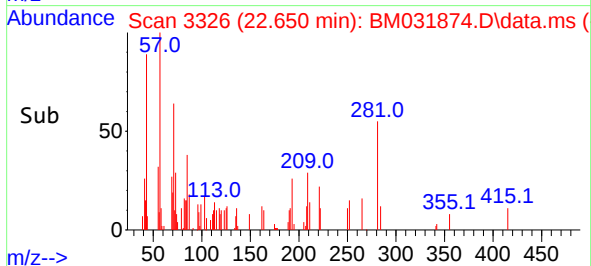
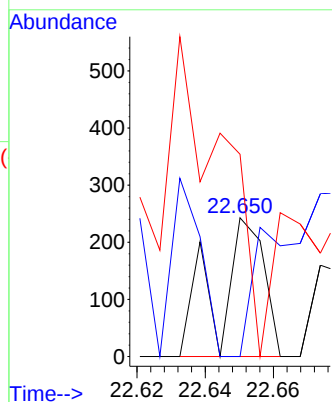
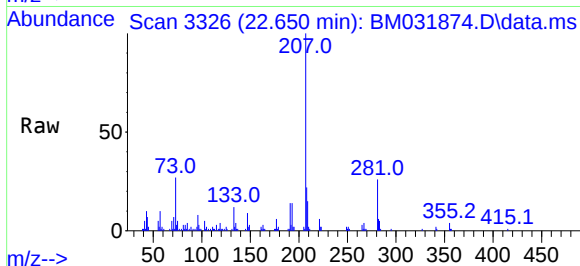




#88  
Benzo(b)fluoranthene  
Concen: 0.029 ng  
RT: 22.650 min Scan# 3326  
Delta R.T. 0.012 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

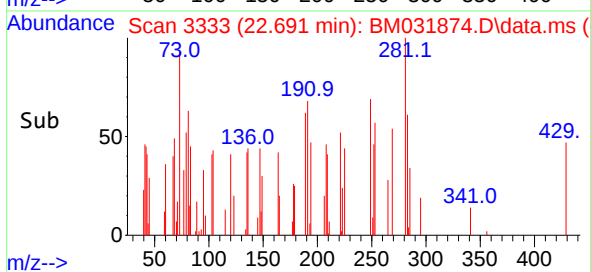
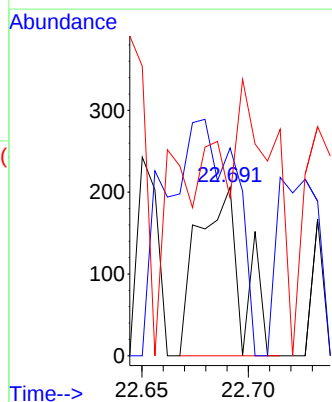
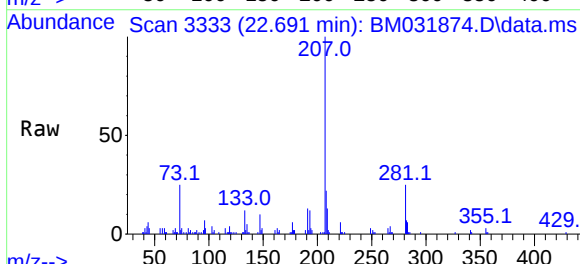
Instrument :  
BNA\_M  
ClientSampleId :  
PB138616BL

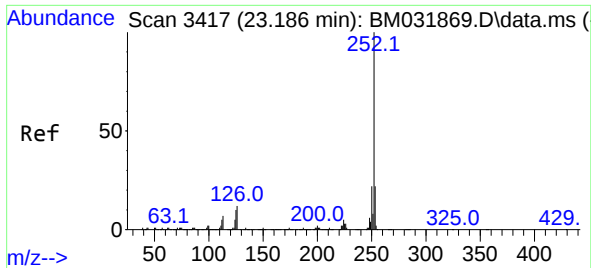
Tgt Ion:252 Resp: 228  
Ion Ratio Lower Upper  
252 100  
253 0.0 18.0 27.0#  
125 145.7 7.5 11.3#



#89  
Benzo(k)fluoranthene  
Concen: 0.039 ng  
RT: 22.691 min Scan# 3333  
Delta R.T. 0.012 min  
Lab File: BM031874.D  
Acq: 23 Aug 2021 16:40

Tgt Ion:252 Resp: 296  
Ion Ratio Lower Upper  
252 100  
253 123.3 17.3 25.9#  
125 93.7 7.5 11.3#





#90  
 Benzo(a)pyrene  
 Concen: 0.008 ng  
 RT: 23.197 min Scan# 3419  
 Delta R.T. 0.012 min  
 Lab File: BM031874.D  
 Acq: 23 Aug 2021 16:40

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB138616BL

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 55    |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 219.7 | 17.4  | 26.2# |
| 125      | 156.1 | 8.1   | 12.1# |

