

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM082521\  
 Data File : BM031897.D  
 Acq On : 25 Aug 2021 18:08  
 Operator : CG/JU  
 Sample : PB138104BL  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB138104BL

Quant Time: Aug 26 02:54:05 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM082521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 25 14:16:52 2021  
 Response via : Initial Calibration

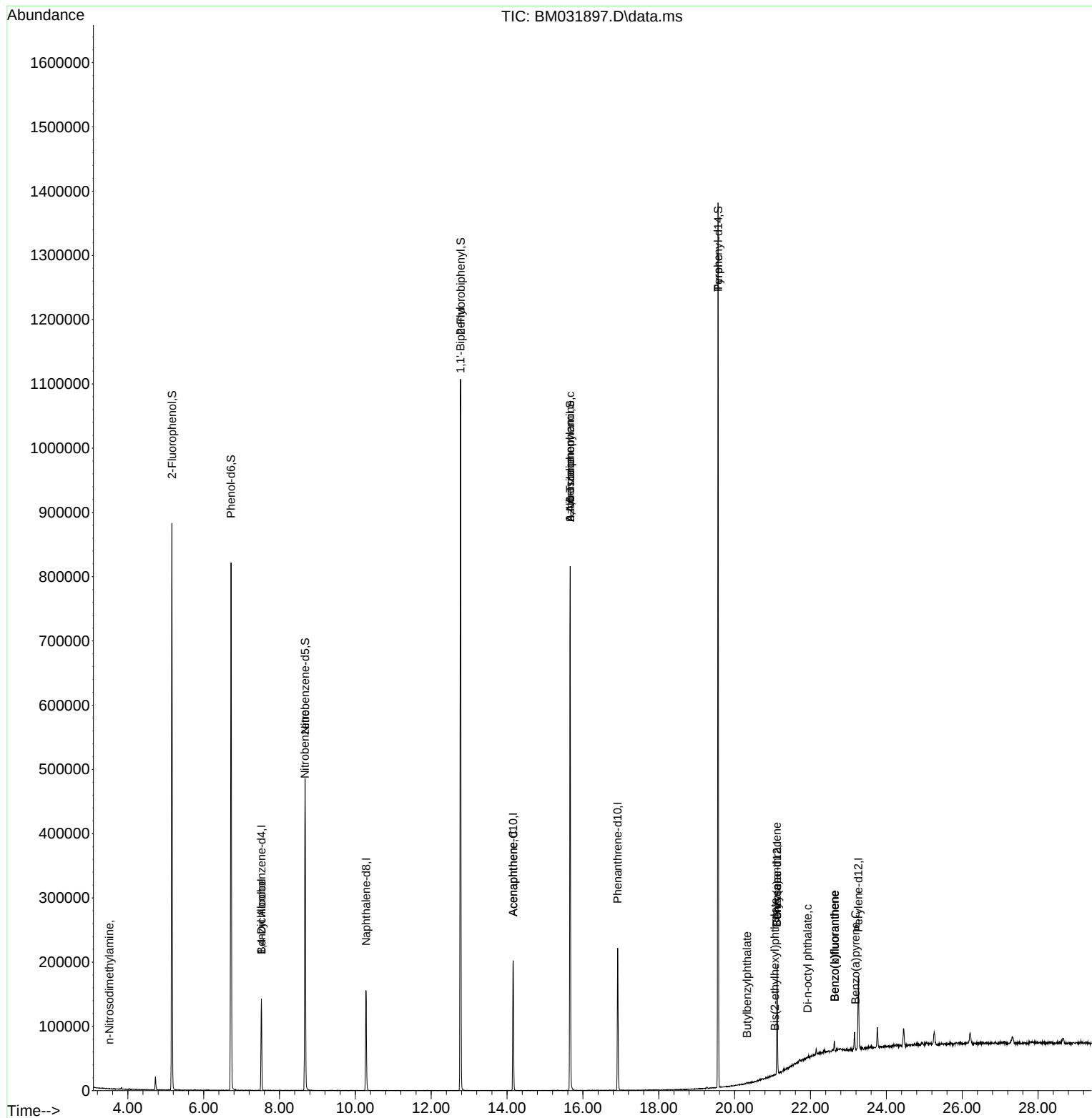
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.522  | 152  | 30544    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.281 | 136  | 115726   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.163 | 164  | 66780    | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 16.915 | 188  | 122410   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 21.121 | 240  | 78576    | 20.000    | ng    | # 0.00   |
| 86) Perylene-d12              | 23.262 | 264  | 75429    | 20.000    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.163  | 112  | 283000   | 153.176   | ng    | 0.00     |
| 7) Phenol-d6                  | 6.722  | 99   | 338320   | 129.422   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.675  | 82   | 247857   | 92.771    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.663 | 330  | 95839    | 121.410   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.775 | 172  | 482814   | 95.386    | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.562 | 244  | 495853   | 91.092    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 4) n-Nitrosodimethylamine     | 3.516  | 42   | 64       | 0.050     | ng    | # 1      |
| 9) Benzaldehyde               | 6.722  | 77   | 906      | Below Cal |       | # 7      |
| 15) Benzyl Alcohol            | 7.522  | 79   | 1148     | 0.515     | ng    | # 43     |
| 24) Nitrobenzene              | 8.669  | 77   | 1104     | 0.408     | ng    | # 50     |
| 46) 1,1'-Biphenyl             | 12.769 | 154  | 854      | 0.165     | ng    | # 1      |
| 52) Acenaphthene              | 14.163 | 154  | 60       | 0.015     | ng    | # 4      |
| 63) Azobenzene                | 15.663 | 77   | 1245     | 0.195     | ng    | # 6      |
| 66) n-Nitrosodiphenylamine    | 15.663 | 169  | 4804     | 1.177     | ng    | # 40     |
| 78) Pyrene                    | 19.562 | 202  | 2441     | 0.371     | ng    | # 66     |
| 80) Butylbenzylphthalate      | 20.327 | 149  | 58       | 0.021     | ng    | # 19     |
| 81) Benzo(a)anthracene        | 21.115 | 228  | 65       | 0.012     | ng    | # 52     |
| 83) Chrysene                  | 21.115 | 228  | 65       | 0.012     | ng    | # 49     |
| 84) Bis(2-ethylhexyl)phtha... | 21.062 | 149  | 424      | 0.104     | ng    | # 55     |
| 85) Di-n-octyl phthalate      | 21.927 | 149  | 211      | 0.034     | ng    | # 70     |
| 88) Benzo(b)fluoranthene      | 22.639 | 252  | 125      | 0.022     | ng    | # 1      |
| 89) Benzo(k)fluoranthene      | 22.639 | 252  | 125      | 0.023     | ng    | # 1      |
| 90) Benzo(a)pyrene            | 23.186 | 252  | 62       | 0.013     | ng    | # 1      |
| -----                         |        |      |          |           |       |          |

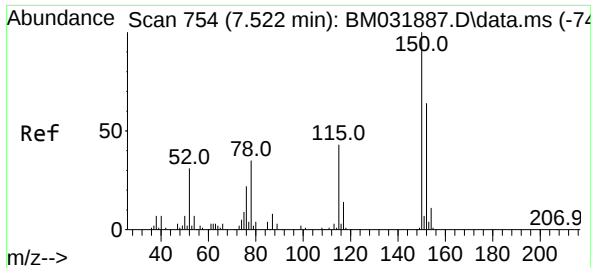
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM082521\  
Data File : BM031897.D  
Acq On : 25 Aug 2021 18:08  
Operator : CG/JU  
Sample : PB138104BL  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PB138104BL

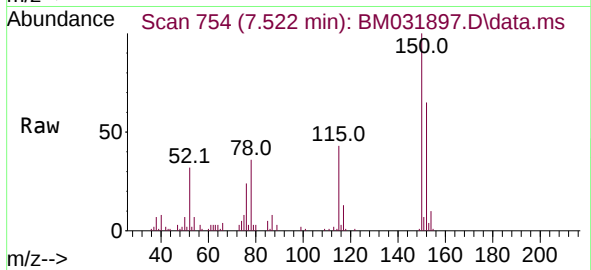
Quant Time: Aug 26 02:54:05 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM082521.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 25 14:16:52 2021  
Response via : Initial Calibration



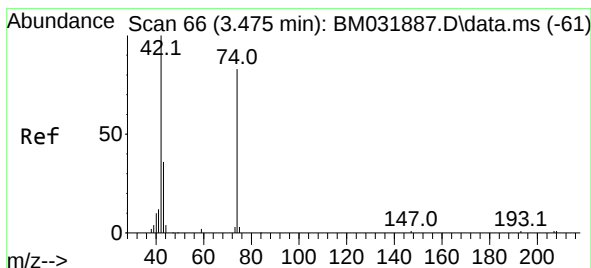
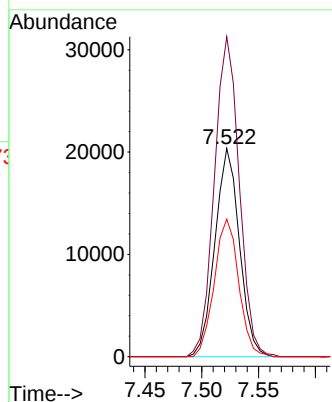
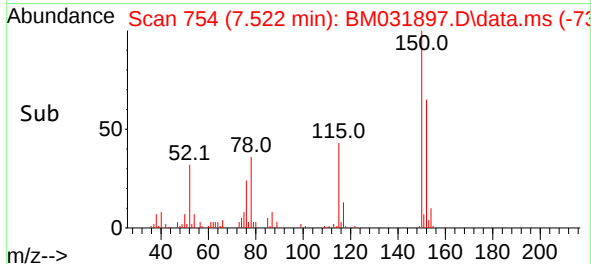


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.522 min Scan# 754  
Delta R.T. -0.000 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08

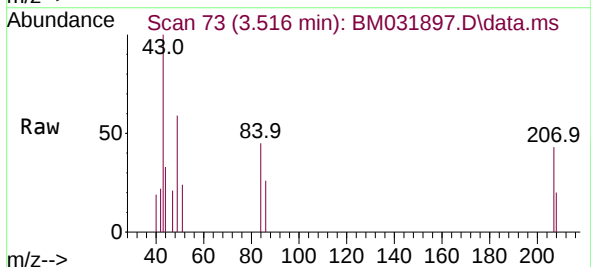
Instrument :  
BNA\_M  
ClientSampleId :  
PB138104BL



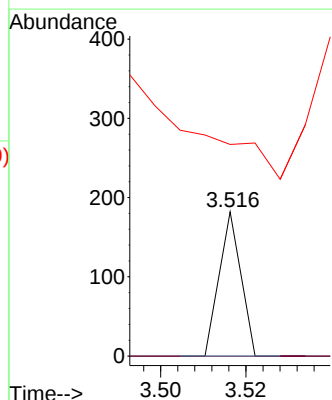
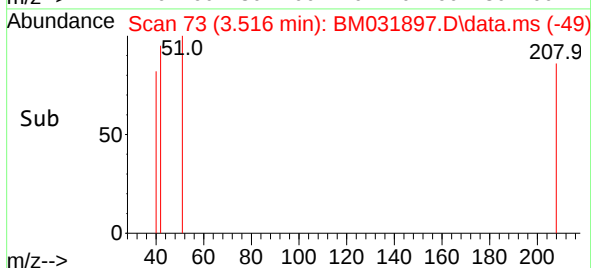
Tgt Ion:152 Resp: 30544  
Ion Ratio Lower Upper  
152 100  
150 153.7 122.4 183.6  
115 66.1 53.8 80.8

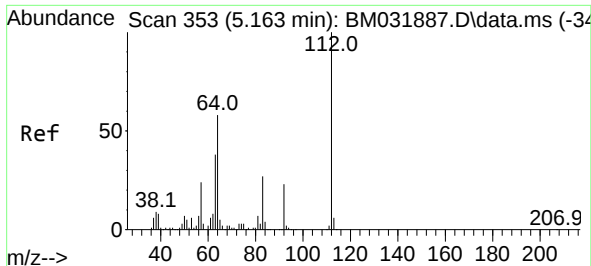


#4  
n-Nitrosodimethylamine  
Concen: 0.050 ng  
RT: 3.516 min Scan# 73  
Delta R.T. 0.041 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08



Tgt Ion: 42 Resp: 64  
Ion Ratio Lower Upper  
42 100  
74 0.0 99.5 149.3#  
44 146.7 57.3 85.9#

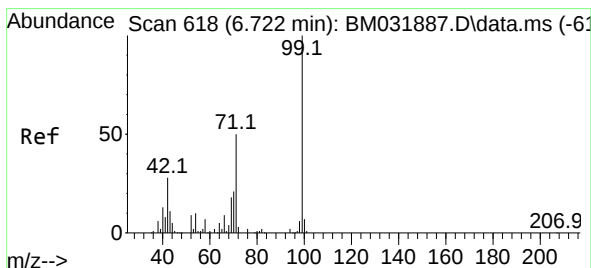
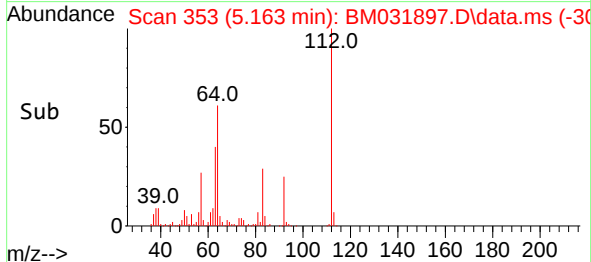
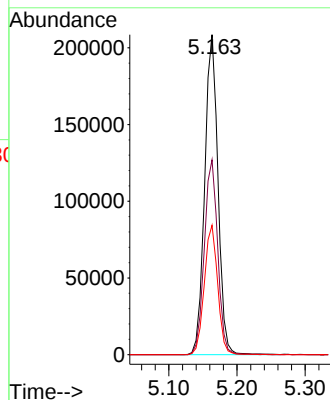
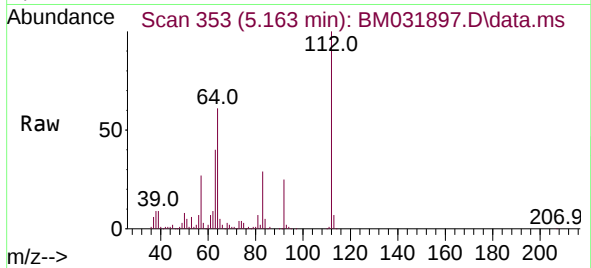




#5  
2-Fluorophenol  
Concen: 153.176 ng  
RT: 5.163 min Scan# 353  
Delta R.T. 0.000 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08

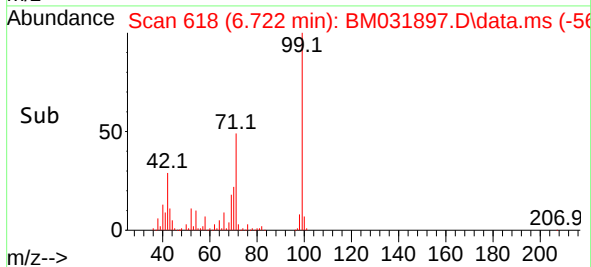
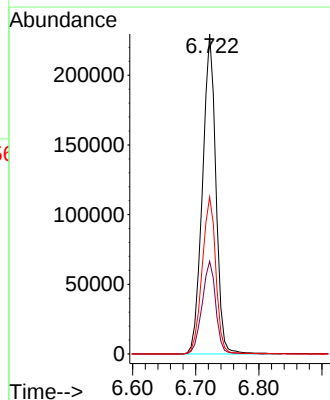
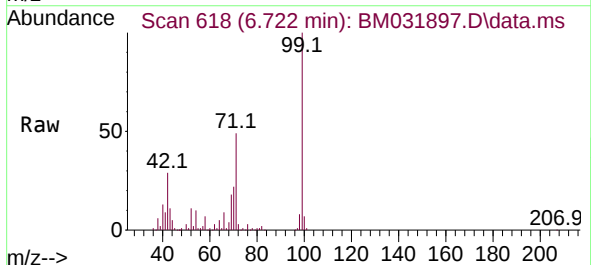
Instrument :  
BNA\_M  
ClientSampleId :  
PB138104BL

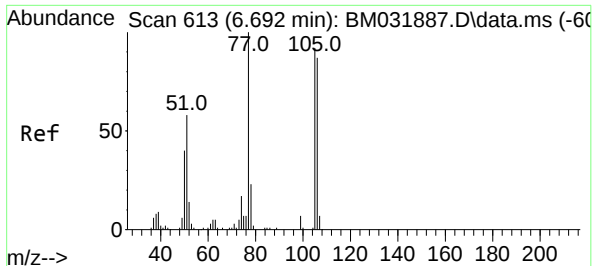
Tgt Ion:112 Resp: 283000  
Ion Ratio Lower Upper  
112 100  
64 60.9 53.7 80.5  
63 40.5 33.9 50.9



#7  
Phenol-d6  
Concen: 129.422 ng  
RT: 6.722 min Scan# 618  
Delta R.T. 0.000 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08

Tgt Ion: 99 Resp: 338320  
Ion Ratio Lower Upper  
99 100  
42 28.9 23.0 34.6  
71 49.0 37.8 56.8

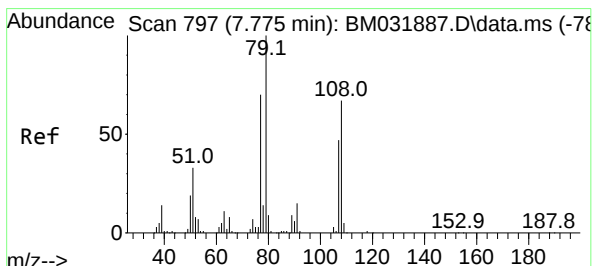
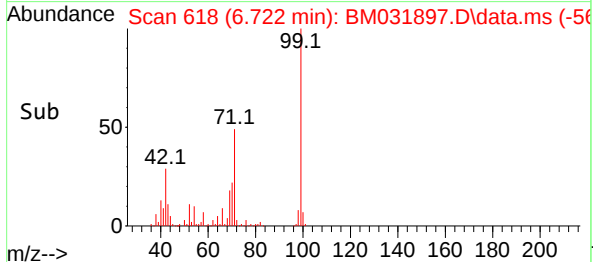
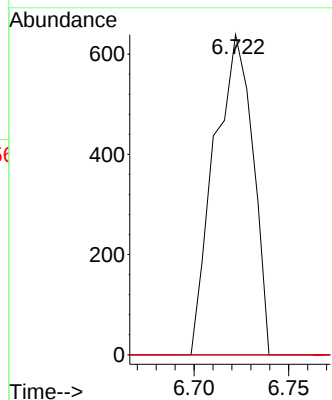
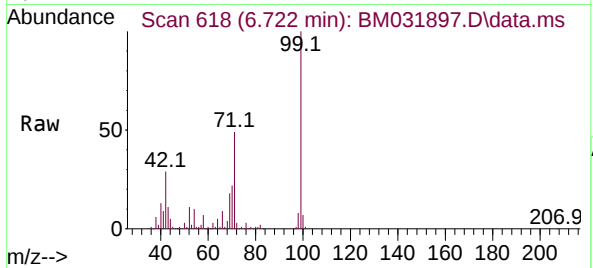




#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.722 min Scan# 618  
Delta R.T. 0.030 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08

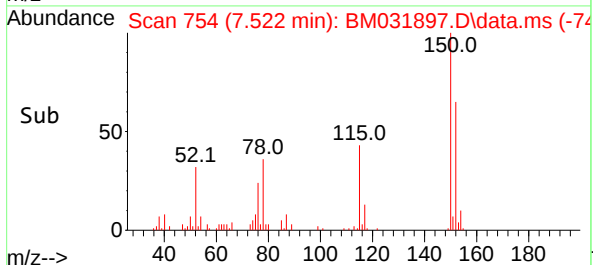
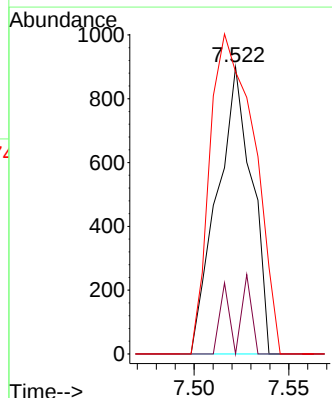
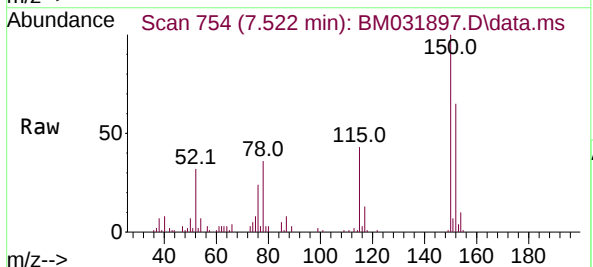
Instrument :  
BNA\_M  
ClientSampleId :  
PB138104BL

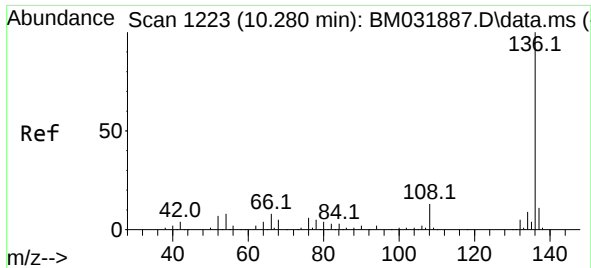
Tgt Ion: 77 Resp: 906  
Ion Ratio Lower Upper  
77 100  
105 0.0 68.9 108.9#  
106 0.0 61.2 101.2#



#15  
Benzyl Alcohol  
Concen: 0.515 ng  
RT: 7.522 min Scan# 754  
Delta R.T. -0.253 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08

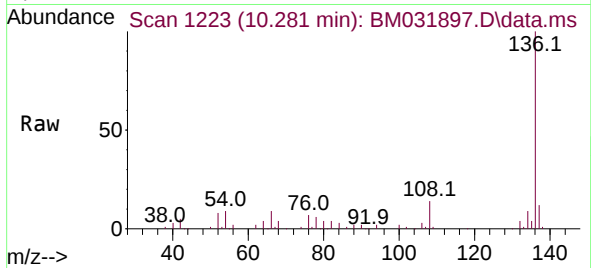
Tgt Ion: 79 Resp: 1148  
Ion Ratio Lower Upper  
79 100  
108 0.0 53.6 80.4#  
77 98.3 57.7 86.5#



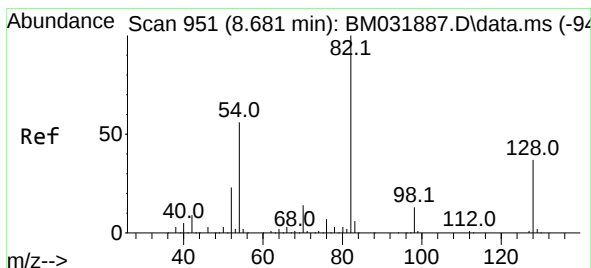
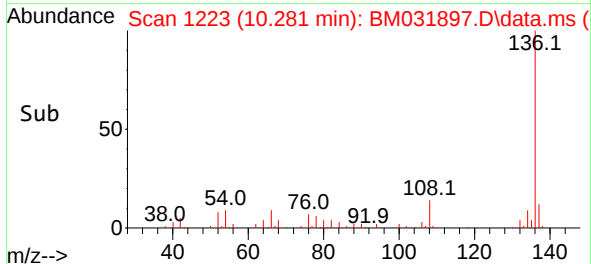
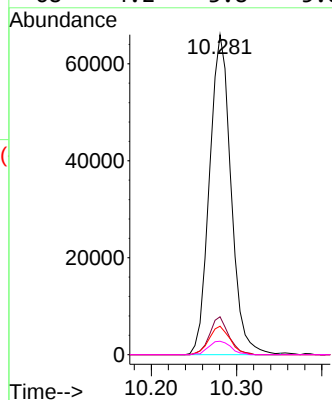


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.281 min Scan# 1223  
Delta R.T. 0.000 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08

Instrument :  
BNA\_M  
ClientSampleId :  
PB138104BL

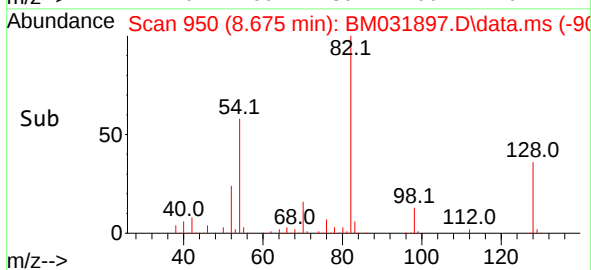
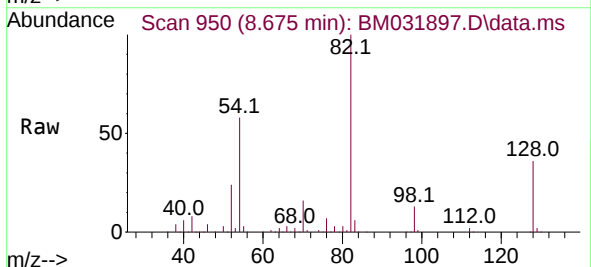
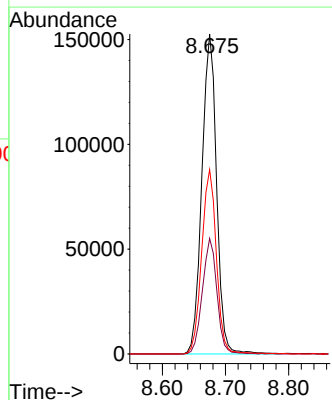


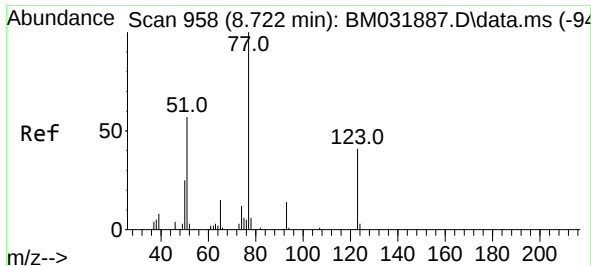
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|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 115726 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.8  | 8.7   | 13.1   |
| 54        | 8.9   | 7.4   | 11.0   |
| 68        | 4.2   | 3.8   | 5.8    |



#23  
Nitrobenzene-d5  
Concen: 92.771 ng  
RT: 8.675 min Scan# 950  
Delta R.T. -0.006 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 247857 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 36.1  | 29.0  | 43.6   |
| 54        | 57.6  | 45.8  | 68.8   |

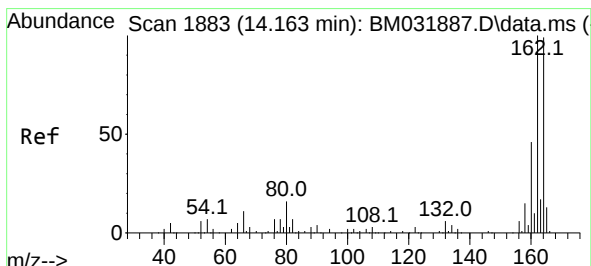
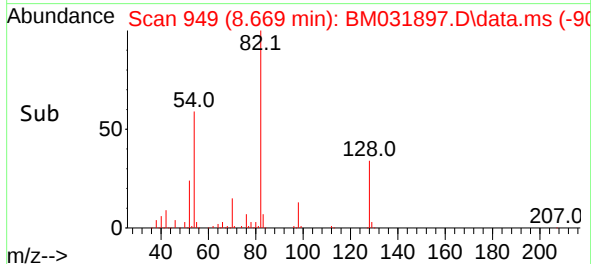
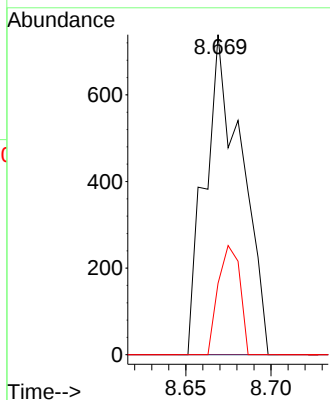
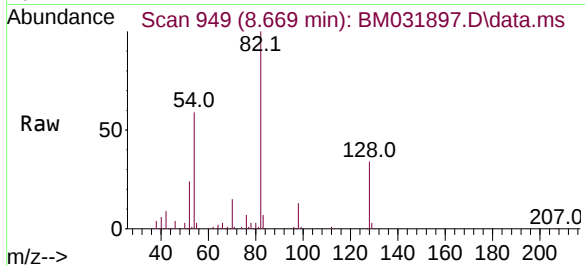




#24  
Nitrobenzene  
Concen: 0.408 ng  
RT: 8.669 min Scan# 949  
Delta R.T. -0.053 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08

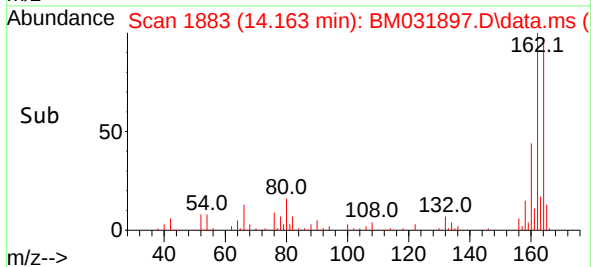
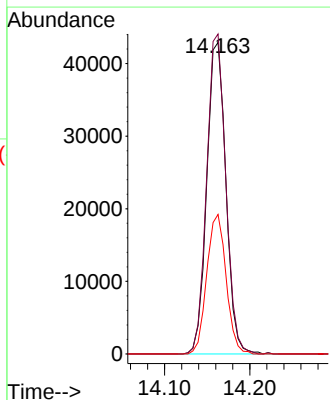
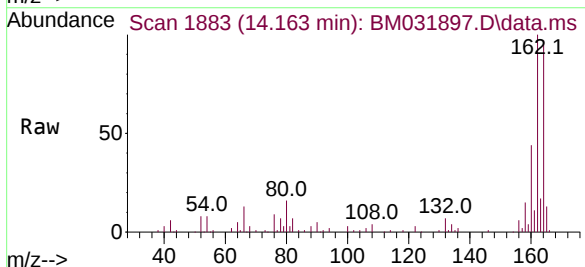
Instrument :  
BNA\_M  
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PB138104BL

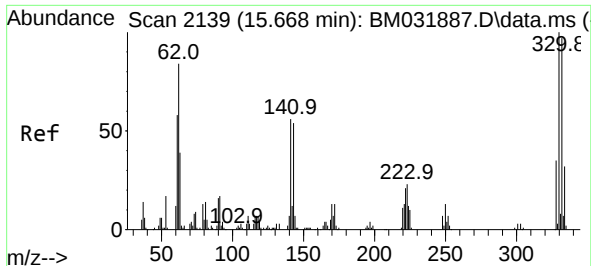
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| Tgt Ion: | 77    | Resp: | 1104  |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 123      | 0.0   | 30.1  | 45.1# |
| 65       | 22.3  | 11.7  | 17.5# |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.163 min Scan# 1883  
Delta R.T. 0.000 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 66780 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 162      | 102.7 | 80.6  | 121.0 |
| 160      | 44.8  | 35.1  | 52.7  |

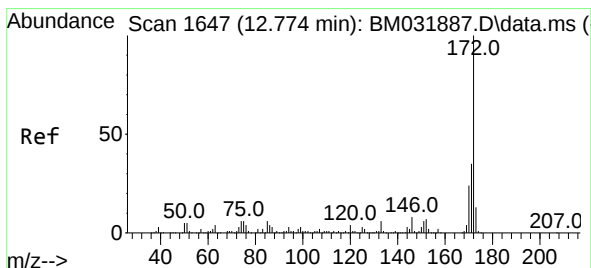
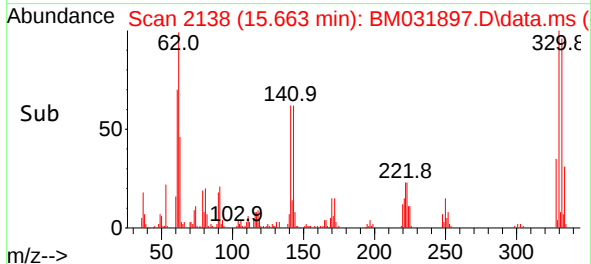
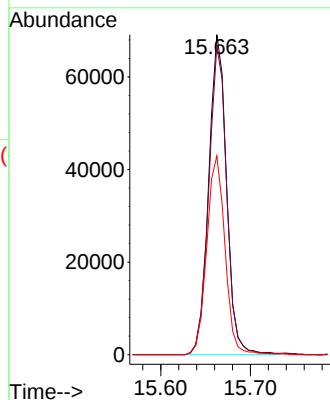
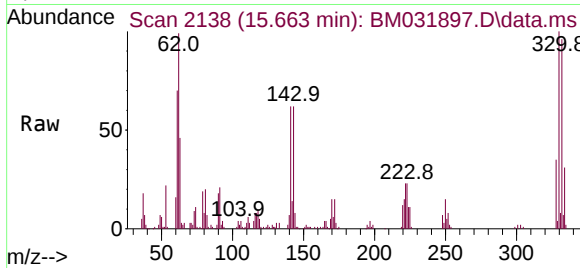




#42  
2,4,6-Tribromophenol  
Concen: 121.410 ng  
RT: 15.663 min Scan# 2138  
Delta R.T. -0.006 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08

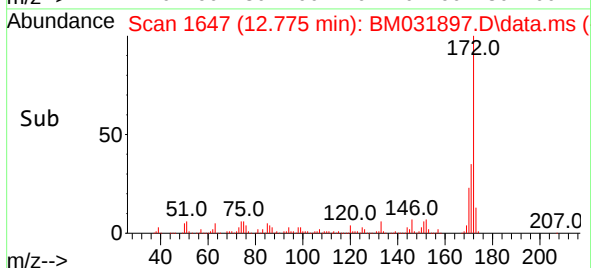
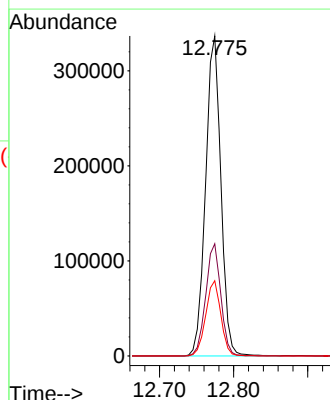
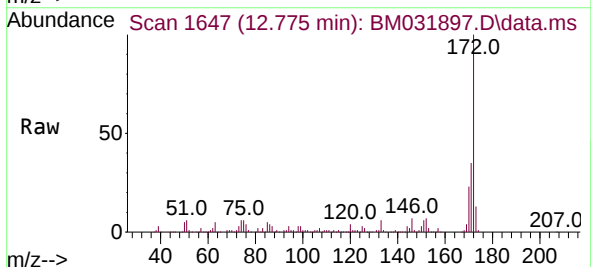
Instrument :  
BNA\_M  
ClientSampleId :  
PB138104BL

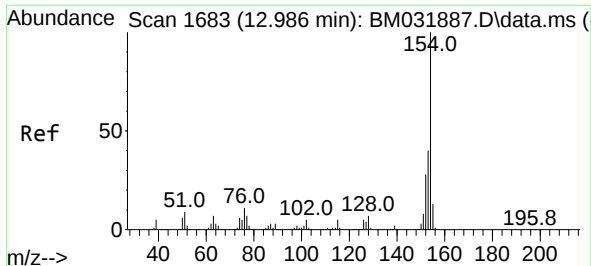
Tgt Ion:330 Resp: 95839  
Ion Ratio Lower Upper  
330 100  
332 97.1 75.7 113.5  
141 63.4 50.7 76.1



#45  
2-Fluorobiphenyl  
Concen: 95.386 ng  
RT: 12.775 min Scan# 1647  
Delta R.T. 0.000 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08

Tgt Ion:172 Resp: 482814  
Ion Ratio Lower Upper  
172 100  
171 35.0 28.1 42.1  
170 23.5 18.6 27.8

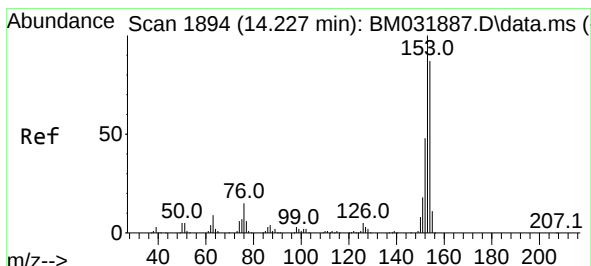
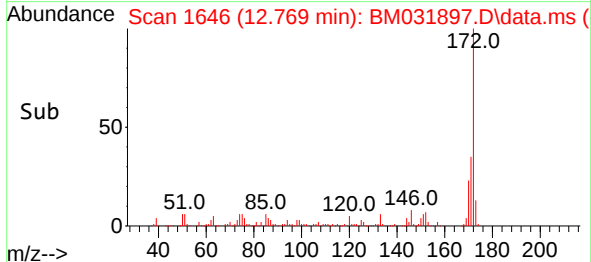
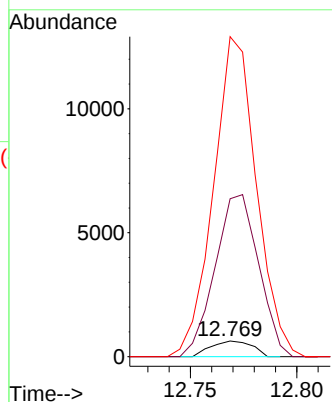
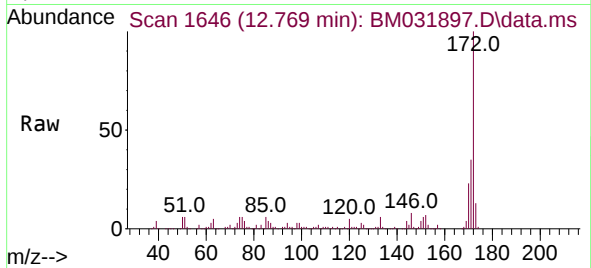




#46  
1,1'-Biphenyl  
Concen: 0.165 ng  
RT: 12.769 min Scan# 1646  
Delta R.T. -0.218 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08

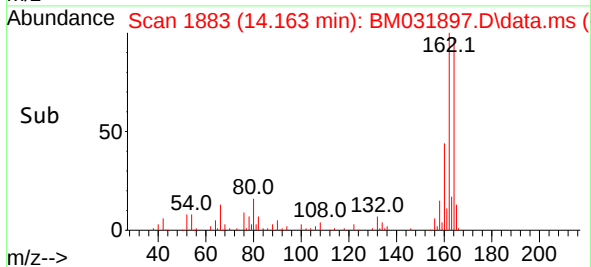
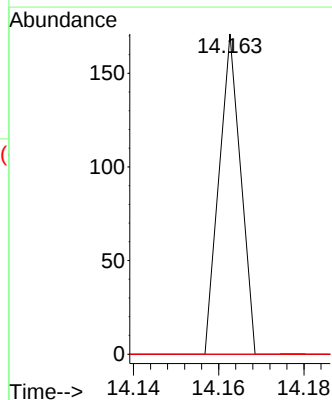
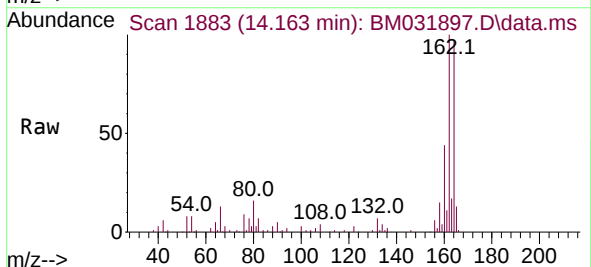
Instrument :  
BNA\_M  
ClientSampleId :  
PB138104BL

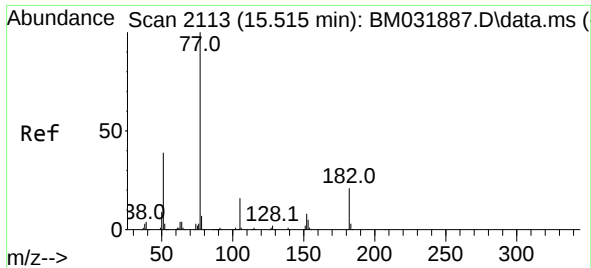
Tgt Ion:154 Resp: 854  
Ion Ratio Lower Upper  
154 100  
153 1011.7 20.3 60.3#  
76 2049.2 0.0 33.5#



#52  
Acenaphthene  
Concen: 0.015 ng  
RT: 14.163 min Scan# 1883  
Delta R.T. -0.065 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08

Tgt Ion:154 Resp: 60  
Ion Ratio Lower Upper  
154 100  
153 0.0 92.4 138.6#  
152 0.0 43.7 65.5#

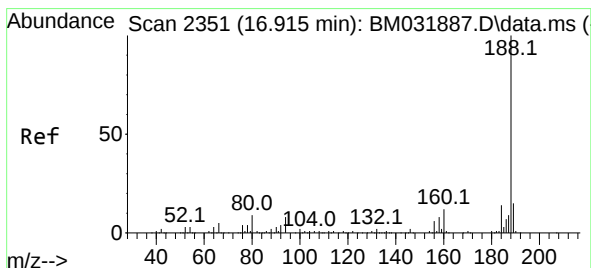
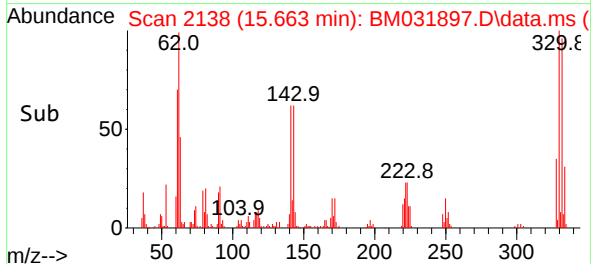
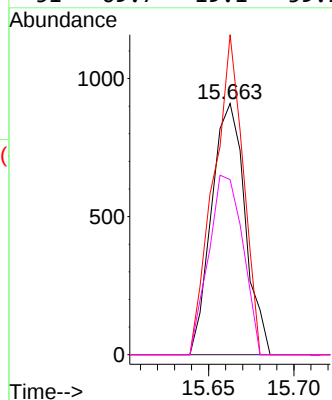
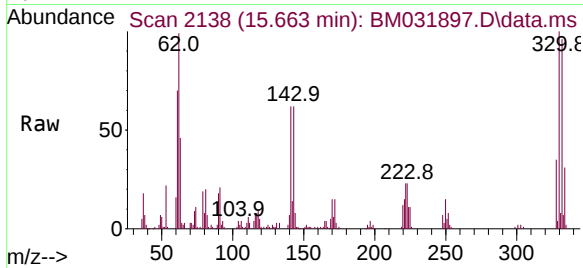




#63  
Azobenzene  
Concen: 0.195 ng  
RT: 15.663 min Scan# 2138  
Delta R.T. 0.147 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08

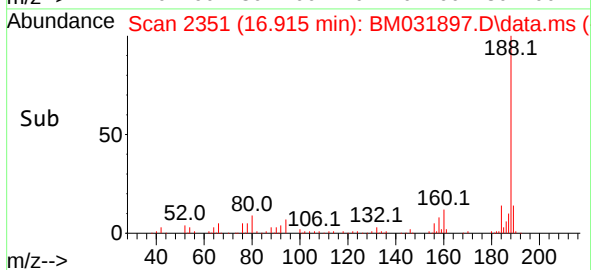
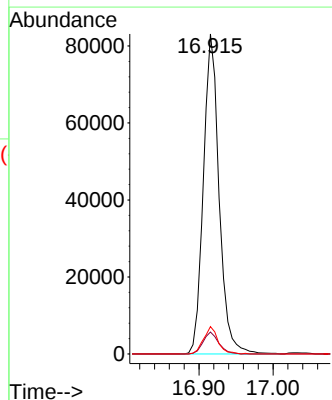
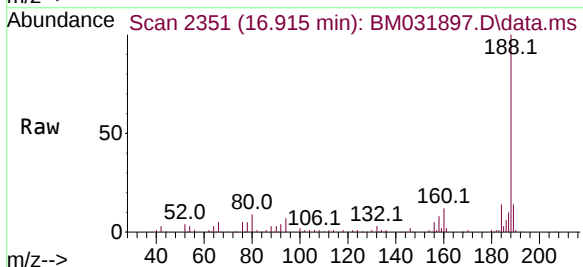
Instrument :  
BNA\_M  
ClientSampleId :  
PB138104BL

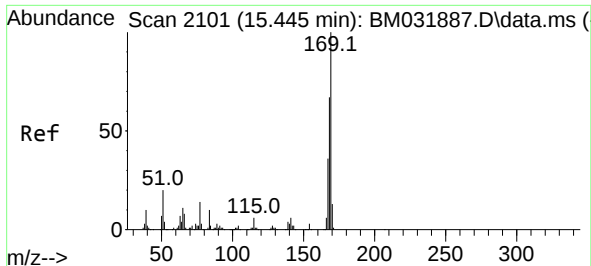
|             |             |
|-------------|-------------|
| Tgt Ion: 77 | Resp: 1245  |
| Ion Ratio   | Lower Upper |
| 77 100      |             |
| 182 0.0     | 0.0 39.3    |
| 105 127.4   | 0.0 36.1#   |
| 51 69.7     | 19.1 59.1#  |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.915 min Scan# 2351  
Delta R.T. 0.000 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08

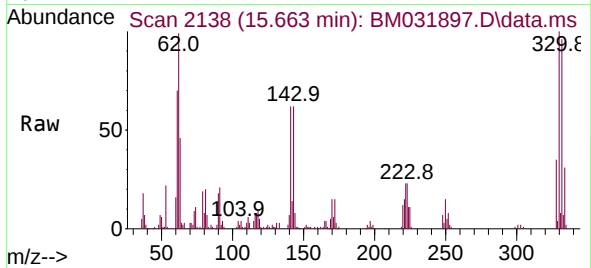
|              |              |
|--------------|--------------|
| Tgt Ion: 188 | Resp: 122410 |
| Ion Ratio    | Lower Upper  |
| 188 100      |              |
| 94 6.9       | 6.3 9.5      |
| 80 8.6       | 7.3 10.9     |



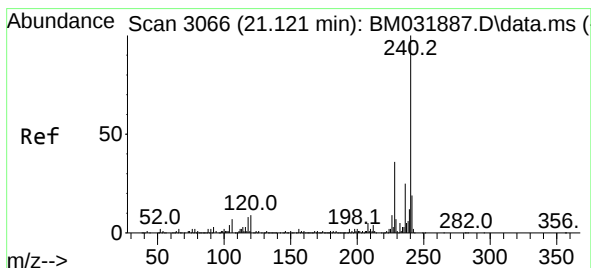
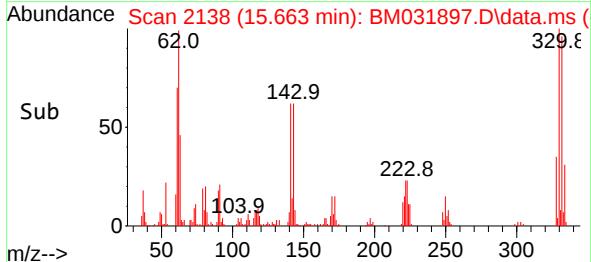
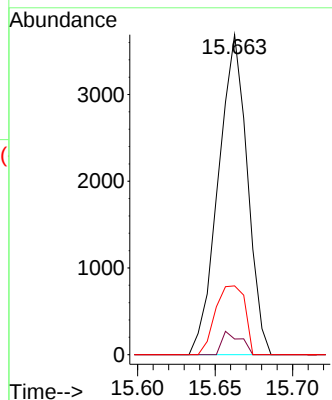


#66  
n-Nitrosodiphenylamine  
Concen: 1.177 ng  
RT: 15.663 min Scan# 2138  
Delta R.T. 0.218 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08

Instrument :  
BNA\_M  
ClientSampleId :  
PB138104BL

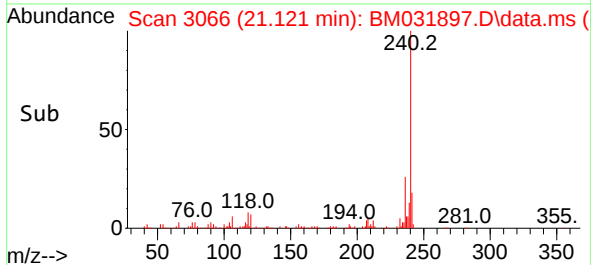
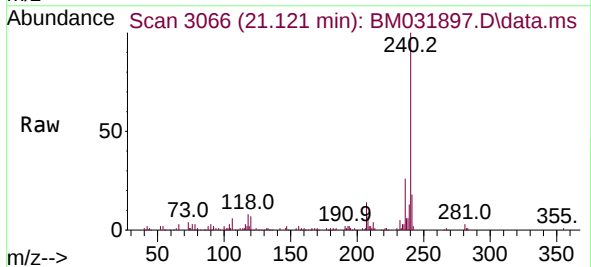
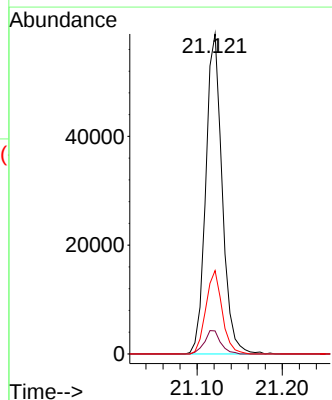


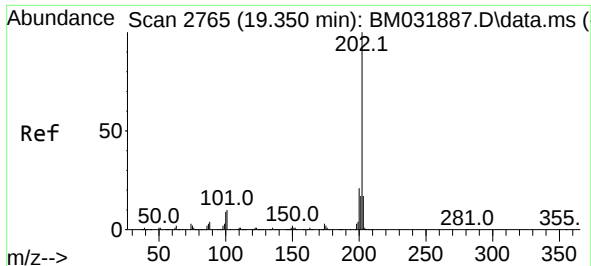
Tgt Ion:169 Resp: 4804  
Ion Ratio Lower Upper  
169 100  
168 4.9 55.0 82.4#  
167 21.5 29.8 44.8#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.121 min Scan# 3066  
Delta R.T. 0.000 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08

Tgt Ion:240 Resp: 78576  
Ion Ratio Lower Upper  
240 100  
120 7.2 7.8 11.6#  
236 26.0 20.9 31.3

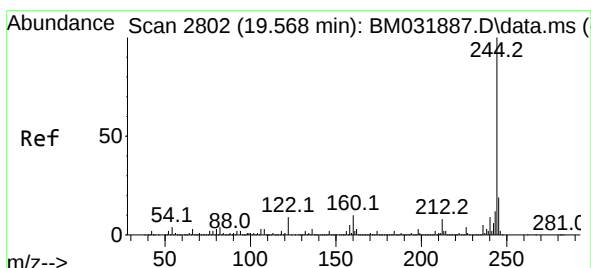
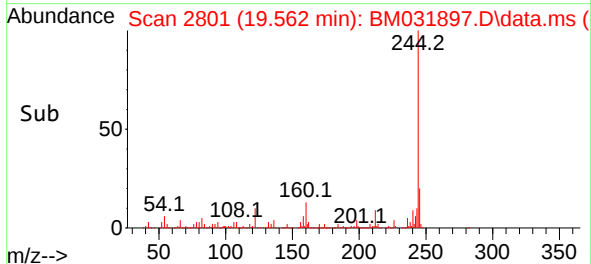
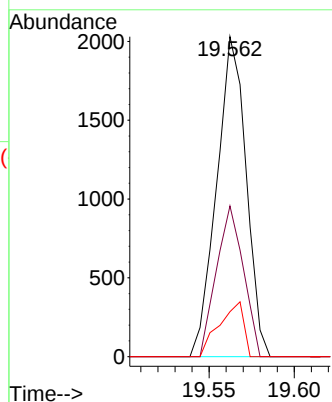
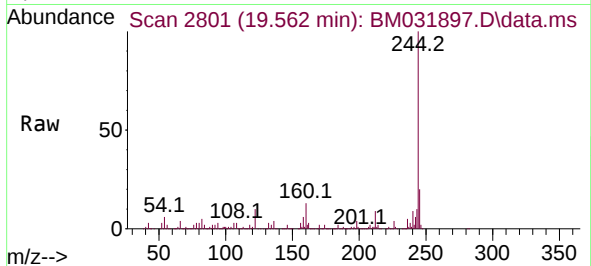




#78  
 Pyrene  
 Concen: 0.371 ng  
 RT: 19.562 min Scan# 2801  
 Delta R.T. 0.212 min  
 Lab File: BM031897.D  
 Acq: 25 Aug 2021 18:08

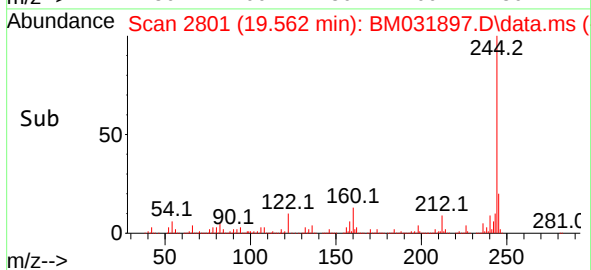
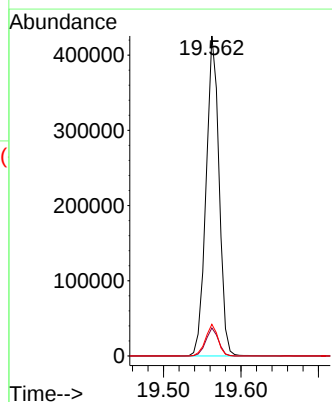
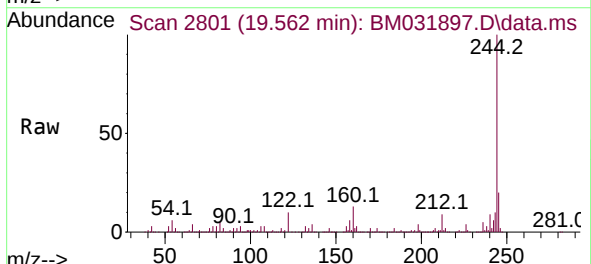
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB138104BL

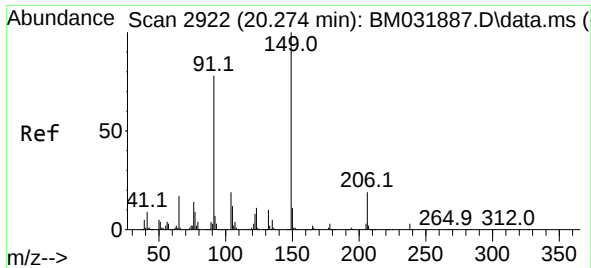
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:202 | Resp: | 2441       |
| Ion Ratio   | Lower | Upper      |
| 202         | 100   |            |
| 200         | 47.1  | 16.6 25.0# |
| 203         | 14.0  | 13.7 20.5  |



#79  
 Terphenyl-d14  
 Concen: 91.092 ng  
 RT: 19.562 min Scan# 2801  
 Delta R.T. -0.006 min  
 Lab File: BM031897.D  
 Acq: 25 Aug 2021 18:08

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:244 | Resp: | 495853   |
| Ion Ratio   | Lower | Upper    |
| 244         | 100   |          |
| 212         | 8.7   | 6.5 9.7  |
| 122         | 9.9   | 8.7 13.1 |

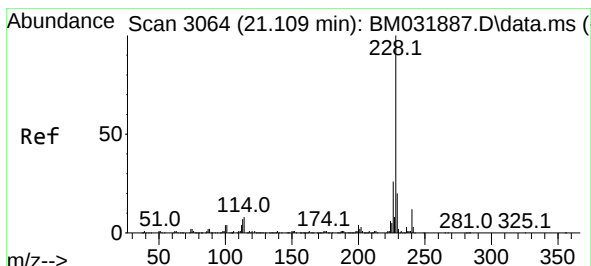
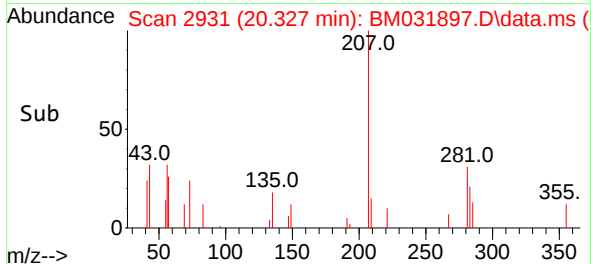
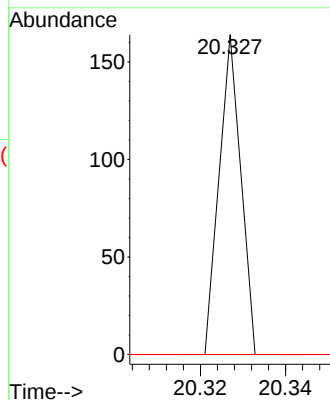
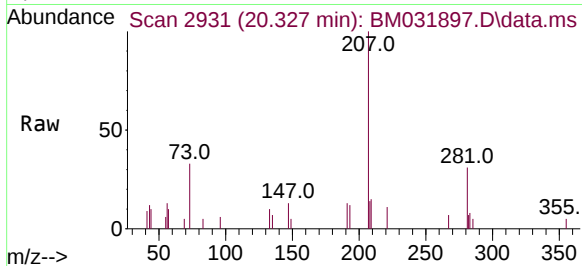




#80  
Butylbenzylphthalate  
Concen: 0.021 ng  
RT: 20.327 min Scan# 2931  
Delta R.T. 0.053 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08

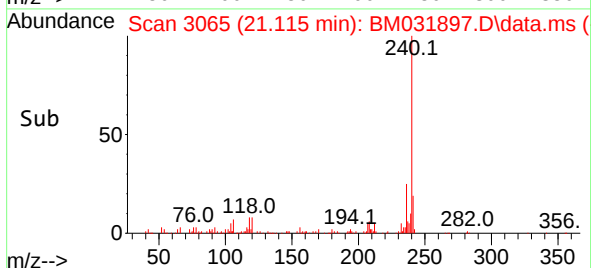
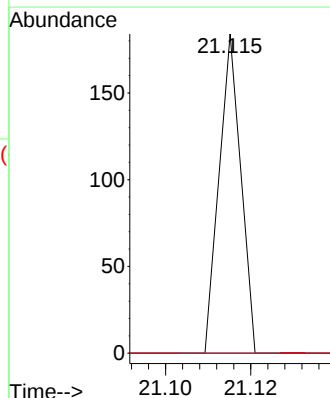
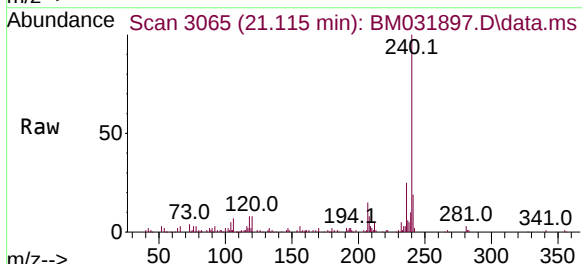
Instrument :  
BNA\_M  
ClientSampleId :  
PB138104BL

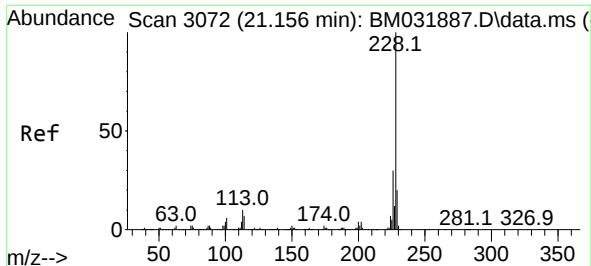
Tgt Ion:149 Resp: 58  
Ion Ratio Lower Upper  
149 100  
91 0.0 64.0 96.0#  
206 0.0 14.4 21.6#



#81  
Benzo(a)anthracene  
Concen: 0.012 ng  
RT: 21.115 min Scan# 3065  
Delta R.T. 0.006 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08

Tgt Ion:228 Resp: 65  
Ion Ratio Lower Upper  
228 100  
226 0.0 21.4 32.2#  
229 0.0 15.3 22.9#

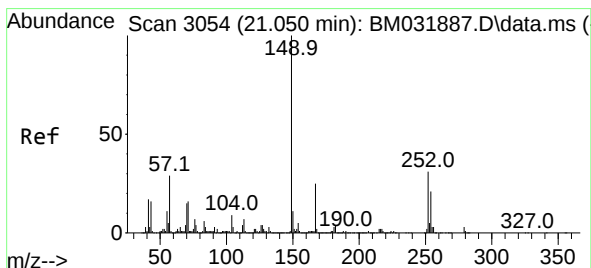
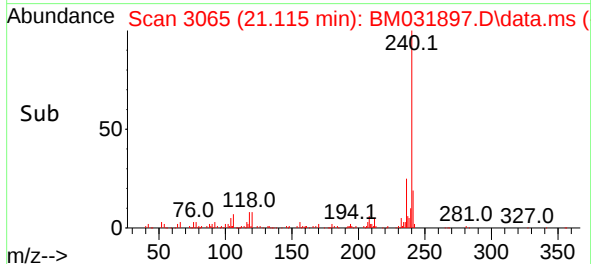
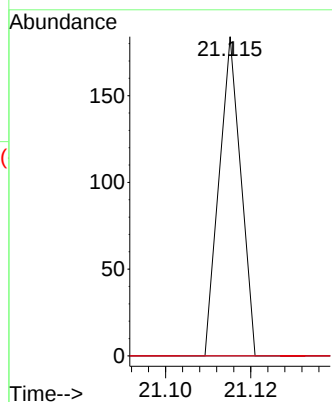
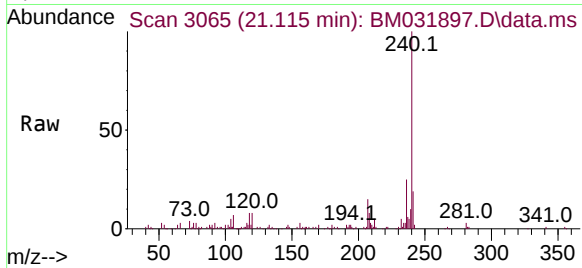




#83  
Chrysene  
Concen: 0.012 ng  
RT: 21.115 min Scan# 3065  
Delta R.T. -0.041 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08

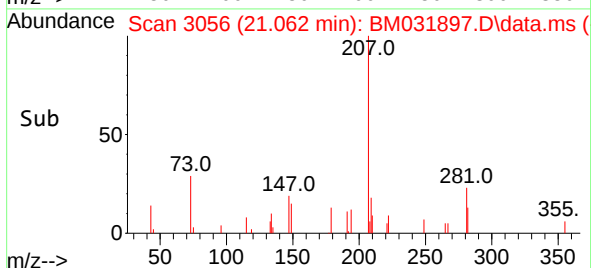
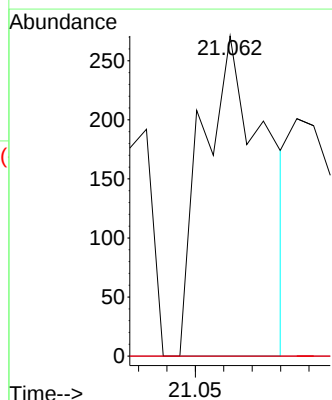
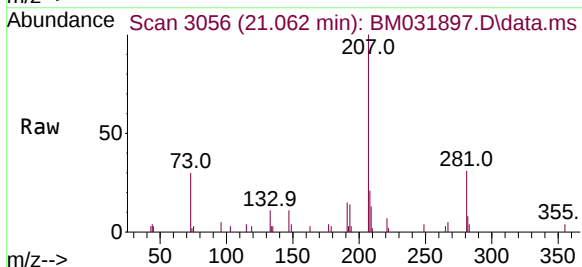
Instrument :  
BNA\_M  
ClientSampleId :  
PB138104BL

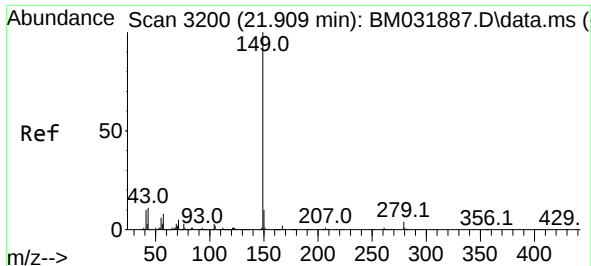
Tgt Ion:228 Resp: 65  
Ion Ratio Lower Upper  
228 100  
226 0.0 24.0 36.0#  
229 0.0 16.0 24.0#



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 0.104 ng  
RT: 21.062 min Scan# 3056  
Delta R.T. 0.012 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08

Tgt Ion:149 Resp: 424  
Ion Ratio Lower Upper  
149 100  
167 0.0 19.7 29.5#  
279 0.0 2.6 4.0#

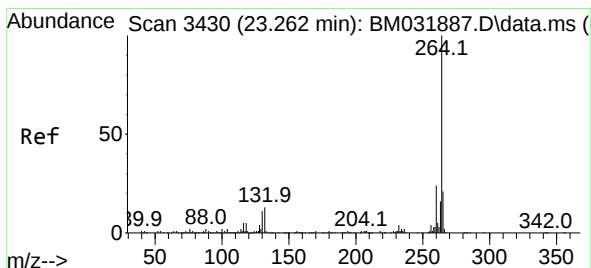
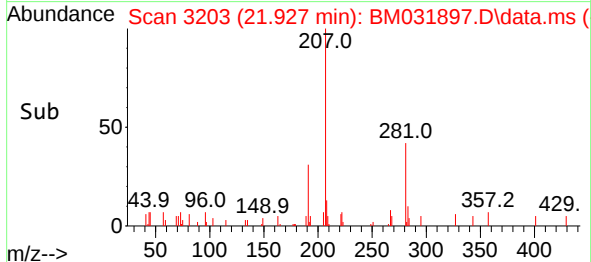
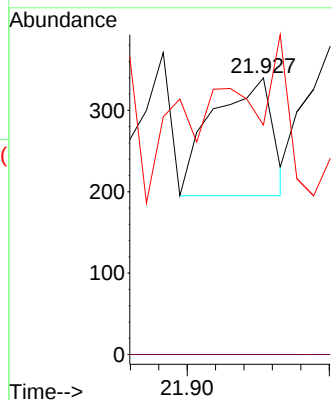
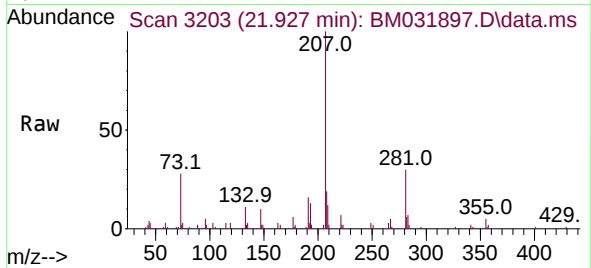




#85  
Di-n-octyl phthalate  
Concen: 0.034 ng  
RT: 21.927 min Scan# 3203  
Delta R.T. 0.018 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08

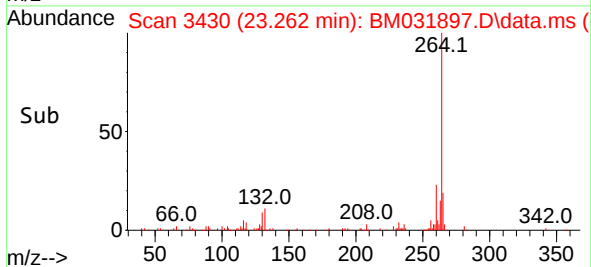
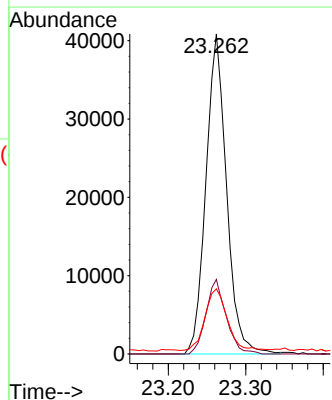
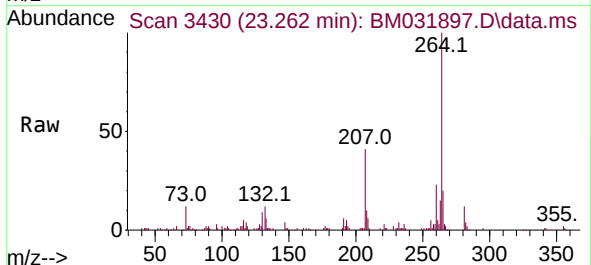
Instrument :  
BNA\_M  
ClientSampleId :  
PB138104BL

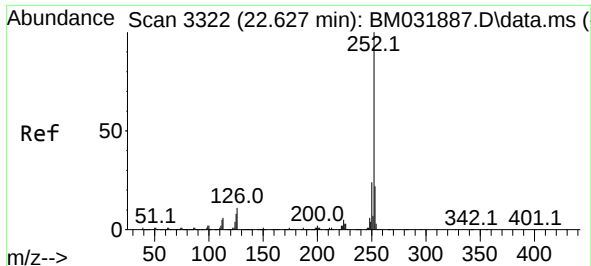
Tgt Ion:149 Resp: 211  
Ion Ratio Lower Upper  
149 100  
167 0.0 1.2 1.8#  
43 0.0 10.4 15.6#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.262 min Scan# 3430  
Delta R.T. 0.000 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08

Tgt Ion:264 Resp: 75429  
Ion Ratio Lower Upper  
264 100  
260 23.3 19.3 28.9  
265 20.4 18.3 27.5

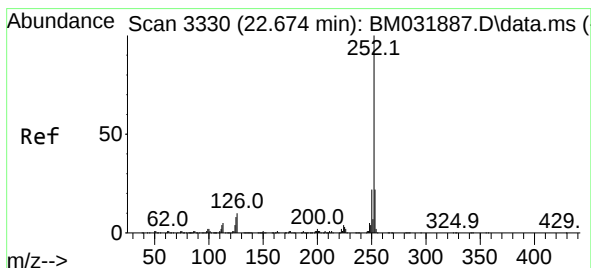
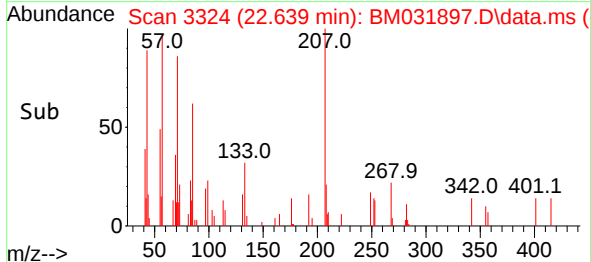
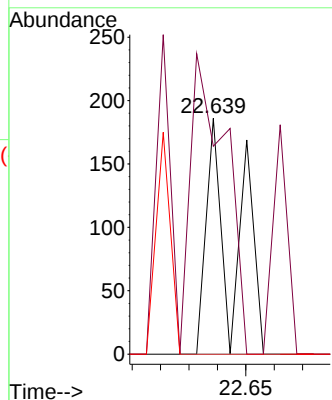
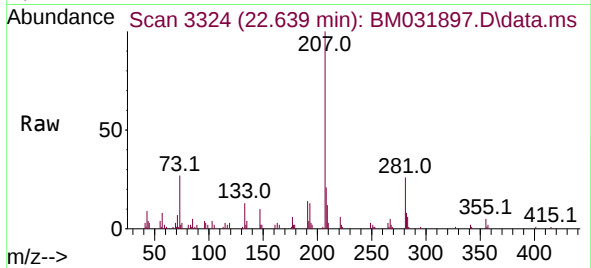




#88  
Benzo(b)fluoranthene  
Concen: 0.022 ng  
RT: 22.639 min Scan# 3324  
Delta R.T. 0.012 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08

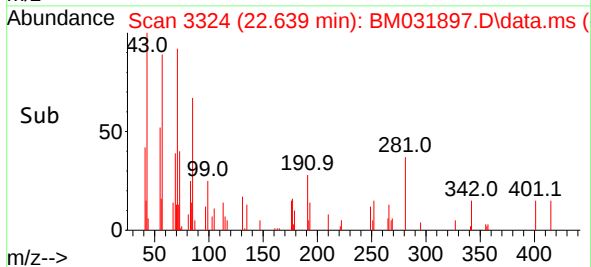
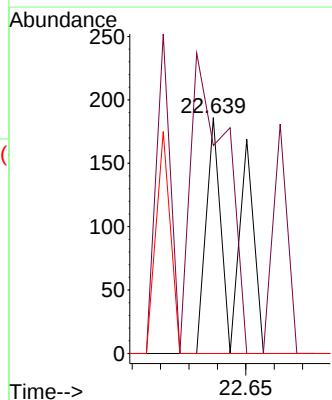
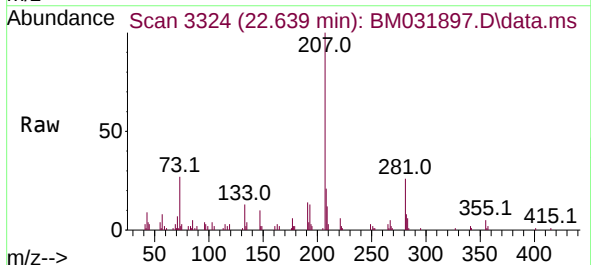
Instrument :  
BNA\_M  
ClientSampleId :  
PB138104BL

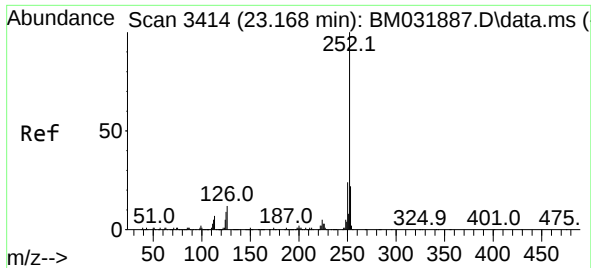
Tgt Ion:252 Resp: 125  
Ion Ratio Lower Upper  
252 100  
253 88.2 18.0 27.0#  
125 0.0 7.5 11.3#



#89  
Benzo(k)fluoranthene  
Concen: 0.023 ng  
RT: 22.639 min Scan# 3324  
Delta R.T. -0.035 min  
Lab File: BM031897.D  
Acq: 25 Aug 2021 18:08

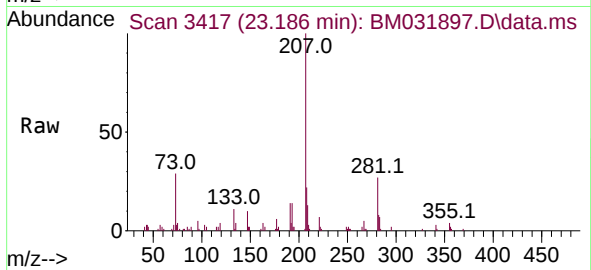
Tgt Ion:252 Resp: 125  
Ion Ratio Lower Upper  
252 100  
253 88.2 17.3 25.9#  
125 0.0 7.5 11.3#





#90  
 Benzo(a)pyrene  
 Concen: 0.013 ng  
 RT: 23.186 min Scan# 3417  
 Delta R.T. 0.018 min  
 Lab File: BM031897.D  
 Acq: 25 Aug 2021 18:08

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB138104BL



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 62    |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 113.1 | 17.4  | 26.2# |
| 125       | 0.0   | 8.1   | 12.1# |

