

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121720\  
 Data File : BM028155.D  
 Acq On : 17 Dec 2020 23:34  
 Operator : JU/CG  
 Sample : L5036-09 10X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 B-8

Quant Time: Dec 18 00:23:18 2020  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM121620.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 16 01:58:38 2020  
 Response via : Initial Calibration

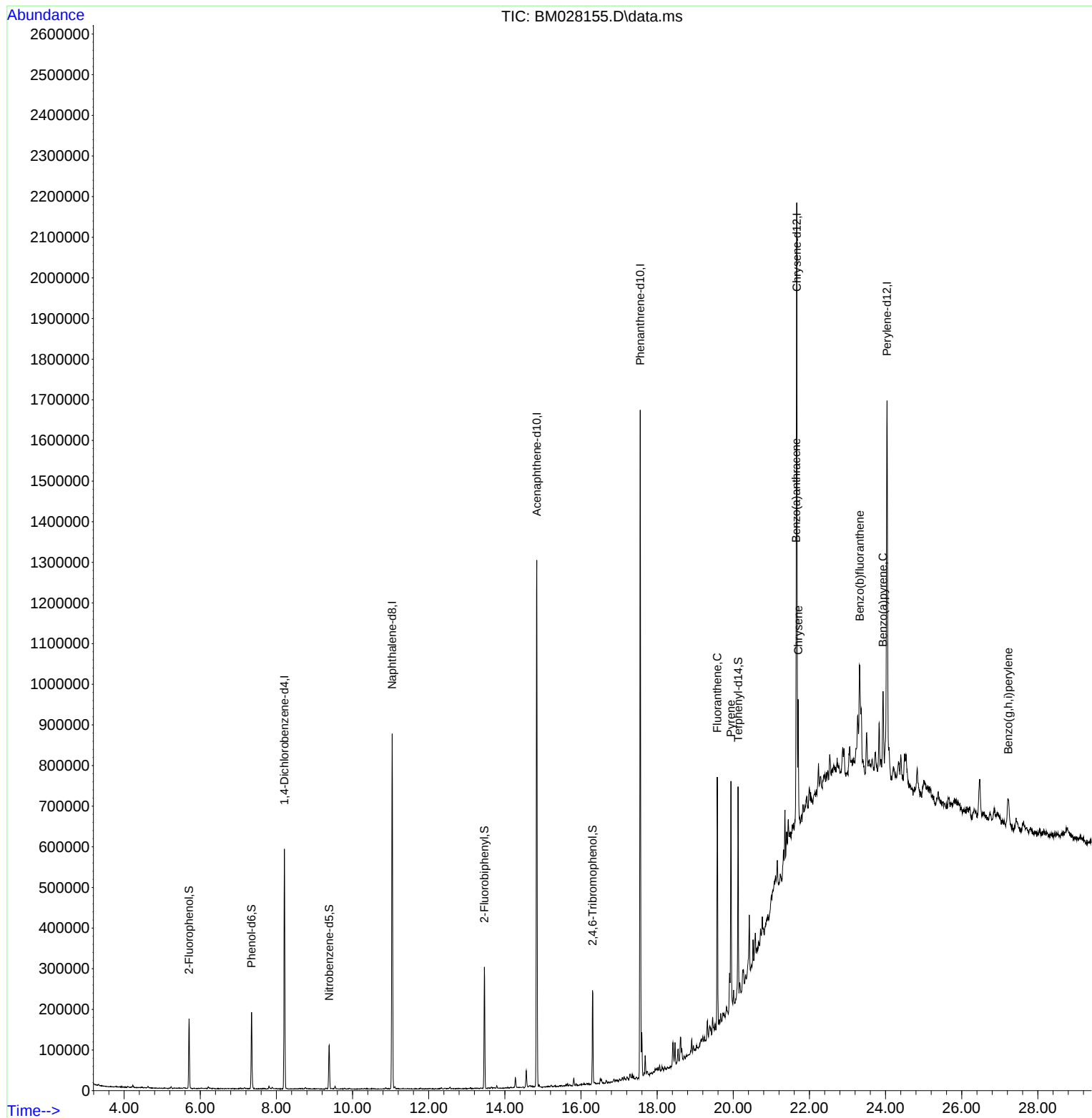
| Compound                    | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|-------|----------|
| -----                       |        |      |          |       |       |          |
| Internal Standards          |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.210  | 152  | 154469   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.039 | 136  | 677697   | 20.00 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 14.839 | 164  | 416302   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.556 | 188  | 899585   | 20.00 | ng    | # 0.00   |
| 76) Chrysene-d12            | 21.668 | 240  | 665197   | 20.00 | ng    | # 0.00   |
| 86) Perylene-d12            | 24.038 | 264  | 644298   | 20.00 | ng    | 0.00     |
|                             |        |      |          |       |       |          |
| System Monitoring Compounds |        |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.704  | 112  | 71235    | 7.60  | ng    | 0.00     |
| 7) Phenol-d6                | 7.345  | 99   | 99392    | 7.43  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.386  | 82   | 58503    | 4.28  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.304 | 330  | 38029    | 6.88  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.463 | 172  | 144230   | 4.50  | ng    | -0.01    |
| 79) Terphenyl-d14           | 20.127 | 244  | 199706   | 5.45  | ng    | 0.00     |
|                             |        |      |          |       |       |          |
| Target Compounds            |        |      |          |       |       | Qvalue   |
| 75) Fluoranthene            | 19.580 | 202  | 333172   | 5.45  | ng    | 96       |
| 78) Pyrene                  | 19.939 | 202  | 315508   | 6.55  | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.650 | 228  | 179455   | 3.96  | ng    | 97       |
| 83) Chrysene                | 21.703 | 228  | 153281   | 3.49  | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 23.321 | 252  | 198833   | 4.53  | ng    | # 87     |
| 90) Benzo(a)pyrene          | 23.932 | 252  | 134934   | 3.43  | ng    | # 88     |
| 92) Benzo(g,h,i)perylene    | 27.221 | 276  | 79275    | 2.32  | ng    | # 80     |
| -----                       |        |      |          |       |       |          |

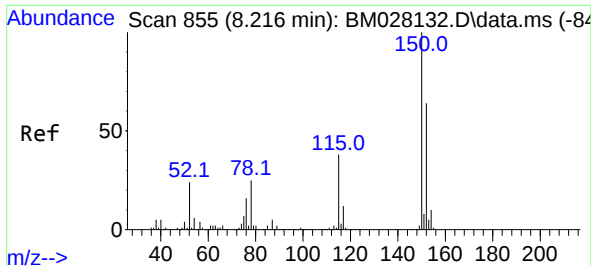
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121720\  
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Sample : L5036-09 10X  
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ALS Vial : 18 Sample Multiplier: 1

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Quant Time: Dec 18 00:23:18 2020  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM121620.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 16 01:58:38 2020  
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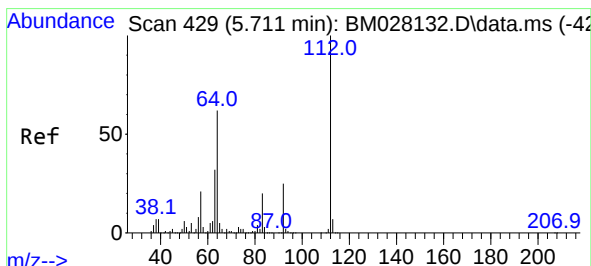
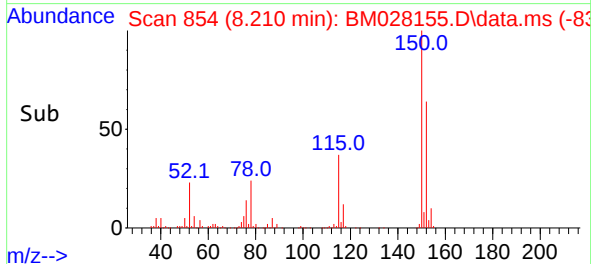
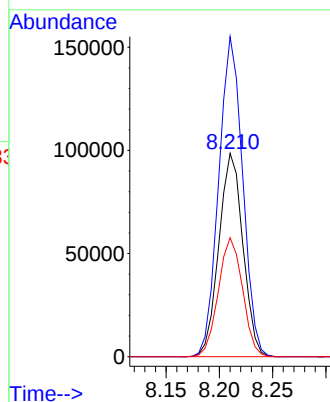
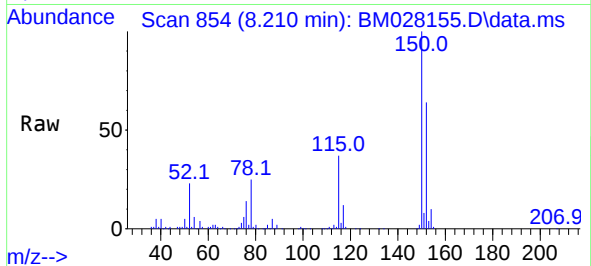




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.210 min Scan# 854  
Delta R.T. -0.006 min  
Lab File: BM028155.D  
Acq: 17 Dec 2020 23:34

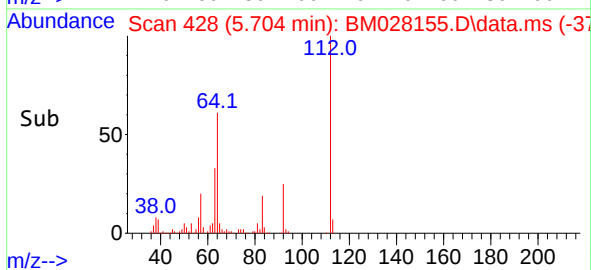
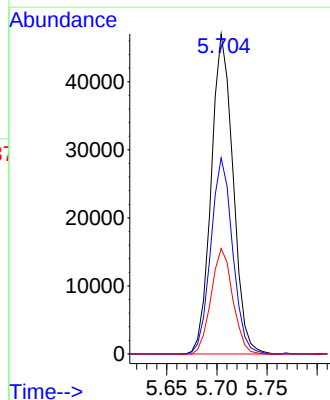
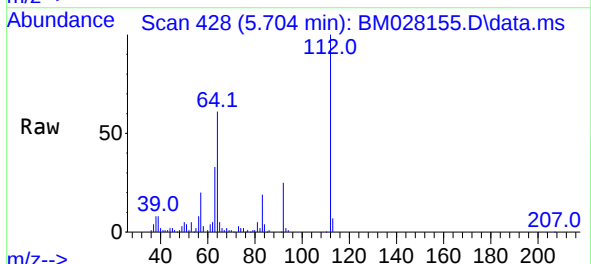
Instrument :  
BNA\_M  
ClientSampleId :  
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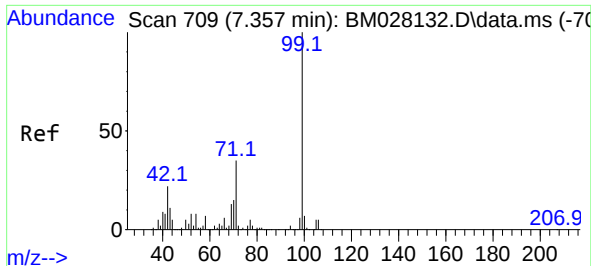
Tgt Ion:152 Resp: 154469  
Ion Ratio Lower Upper  
152 100  
150 157.4 120.6 181.0  
115 58.5 47.2 70.8



#5  
2-Fluorophenol  
Concen: 7.60 ng  
RT: 5.704 min Scan# 428  
Delta R.T. -0.007 min  
Lab File: BM028155.D  
Acq: 17 Dec 2020 23:34

Tgt Ion:112 Resp: 71235  
Ion Ratio Lower Upper  
112 100  
64 61.3 50.6 76.0  
63 32.9 31.0 46.6

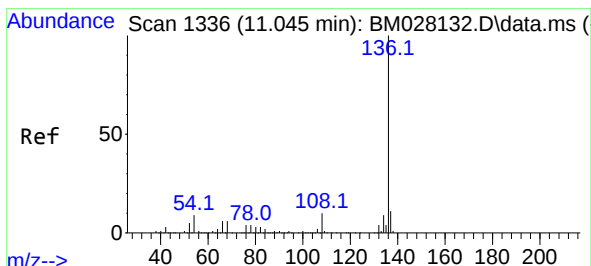
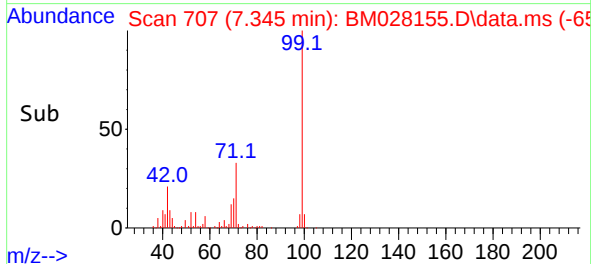
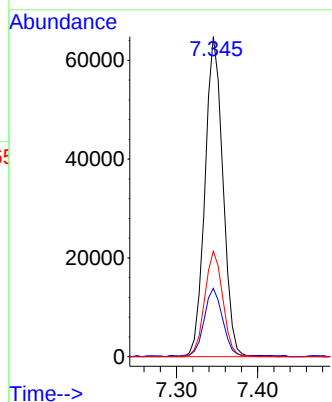
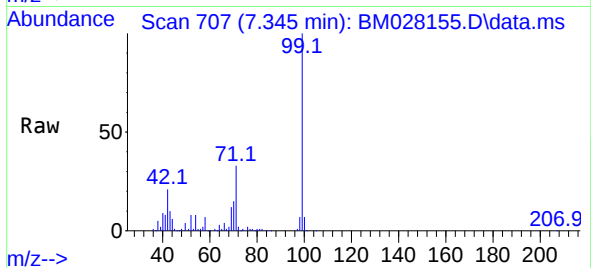




#7  
Phenol-d6  
Concen: 7.43 ng  
RT: 7.345 min Scan# 707  
Delta R.T. -0.012 min  
Lab File: BM028155.D  
Acq: 17 Dec 2020 23:34

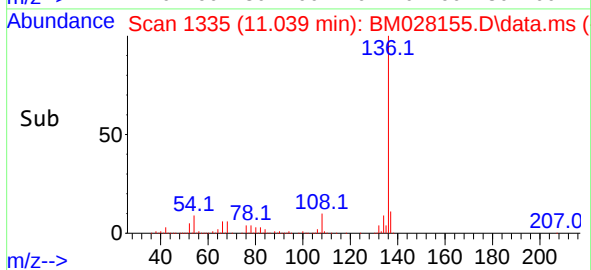
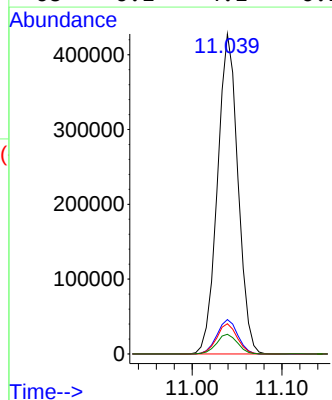
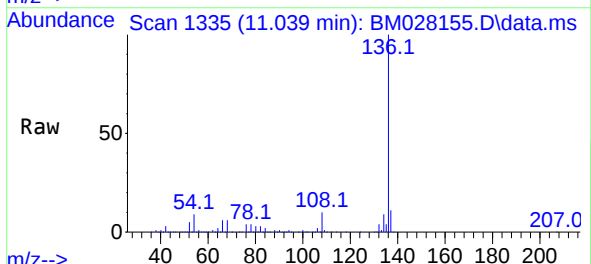
Instrument :  
BNA\_M  
ClientSampled :  
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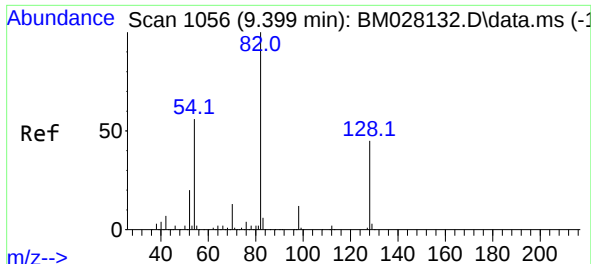
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 99392 |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 21.3  | 13.5  | 20.3# |
| 71       | 33.0  | 39.4  | 59.0# |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.039 min Scan# 1335  
Delta R.T. -0.006 min  
Lab File: BM028155.D  
Acq: 17 Dec 2020 23:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 677697 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 8.6   | 12.8   |
| 54       | 9.4   | 4.6   | 7.0#   |
| 68       | 6.1   | 4.1   | 6.1#   |

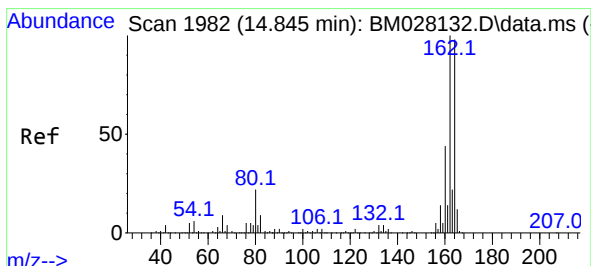
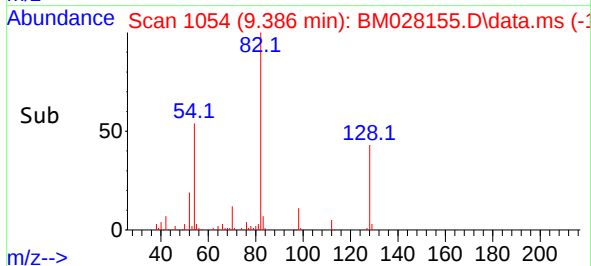
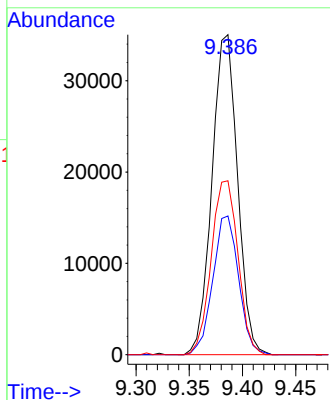
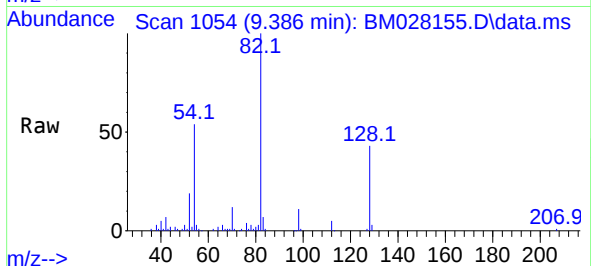




#23  
Nitrobenzene-d5  
Concen: 4.28 ng  
RT: 9.386 min Scan# 1054  
Delta R.T. -0.013 min  
Lab File: BM028155.D  
Acq: 17 Dec 2020 23:34

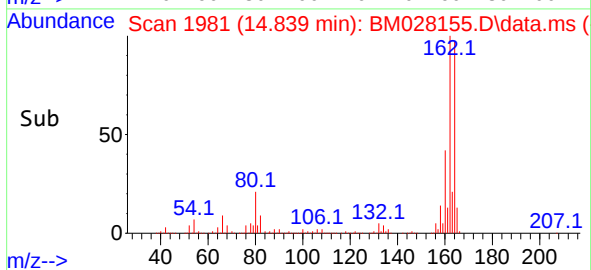
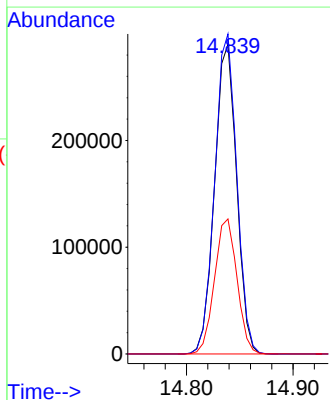
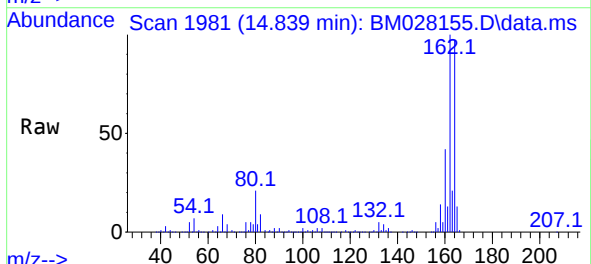
Instrument :  
BNA\_M  
ClientSampleId :  
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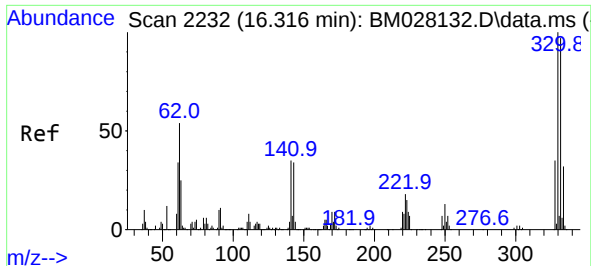
Tgt Ion: 82 Resp: 58503  
Ion Ratio Lower Upper  
82 100  
128 43.3 27.4 41.0#  
54 54.3 31.4 47.0#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.839 min Scan# 1981  
Delta R.T. -0.006 min  
Lab File: BM028155.D  
Acq: 17 Dec 2020 23:34

Tgt Ion:164 Resp: 416302  
Ion Ratio Lower Upper  
164 100  
162 103.4 80.4 120.6  
160 43.6 35.9 53.9

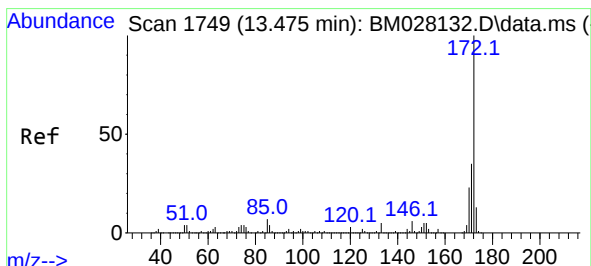
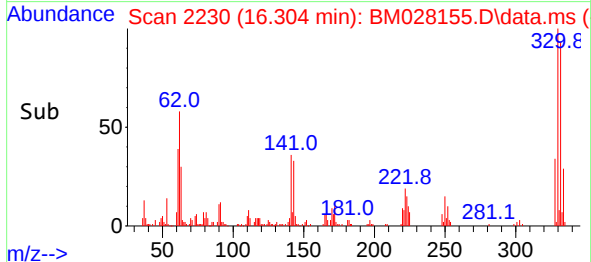
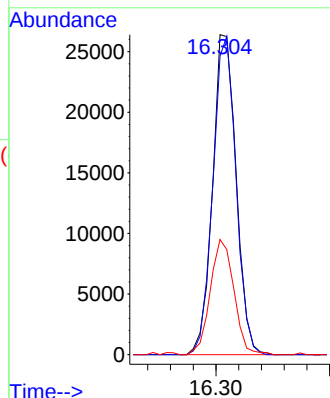
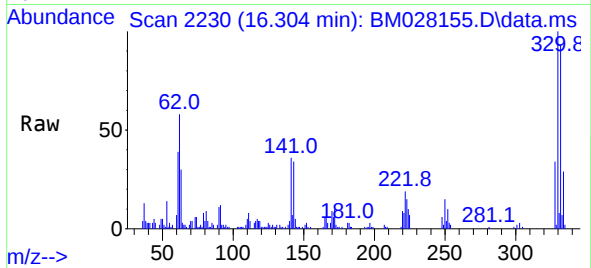




#42  
2,4,6-Tribromophenol  
Concen: 6.88 ng  
RT: 16.304 min Scan# 2230  
Delta R.T. -0.012 min  
Lab File: BM028155.D  
Acq: 17 Dec 2020 23:34

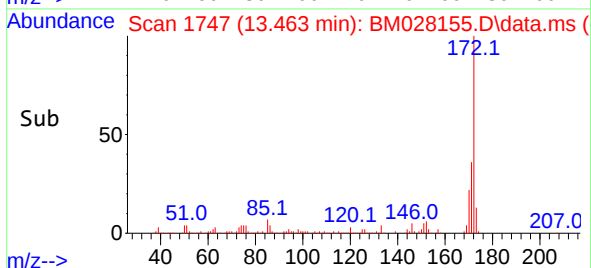
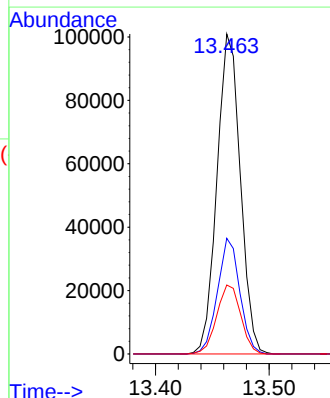
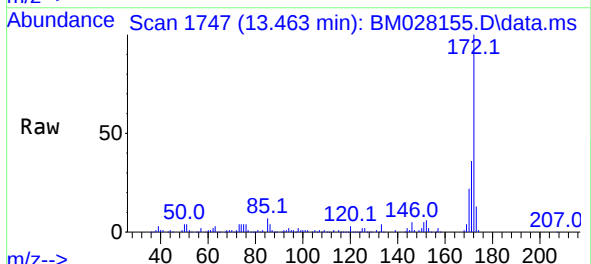
Instrument :  
BNA\_M  
ClientSampled :  
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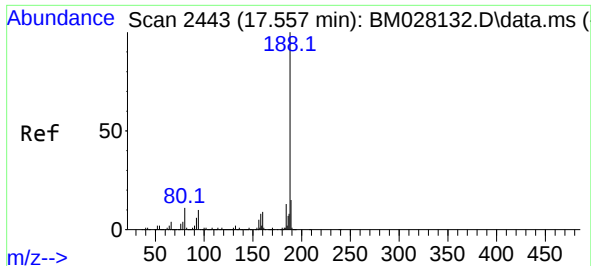
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 330   | Resp: | 38029 |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 97.2  | 77.8  | 116.8 |
| 141      | 36.2  | 28.4  | 42.6  |



#45  
2-Fluorobiphenyl  
Concen: 4.50 ng  
RT: 13.463 min Scan# 1747  
Delta R.T. -0.012 min  
Lab File: BM028155.D  
Acq: 17 Dec 2020 23:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 172   | Resp: | 144230 |
| Ion      | Ratio | Lower | Upper  |
| 172      | 100   |       |        |
| 171      | 36.2  | 27.8  | 41.8   |
| 170      | 21.6  | 18.6  | 27.8   |

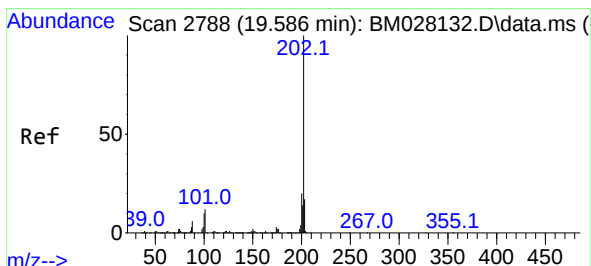
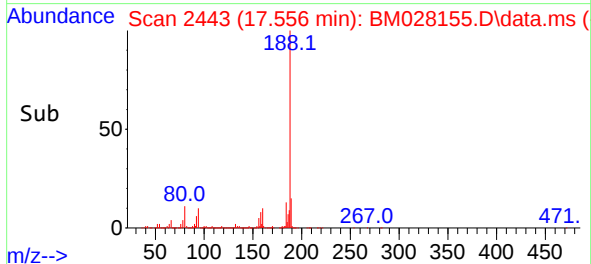
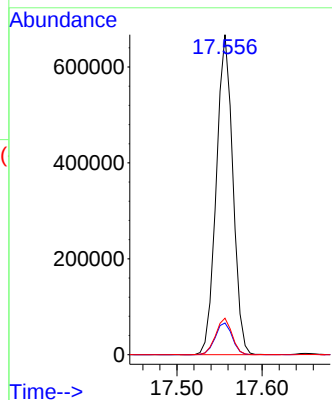
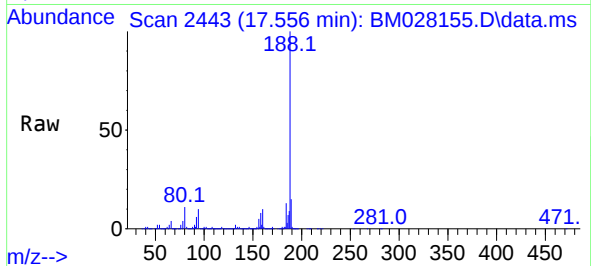




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.556 min Scan# 2443  
Delta R.T. -0.000 min  
Lab File: BM028155.D  
Acq: 17 Dec 2020 23:34

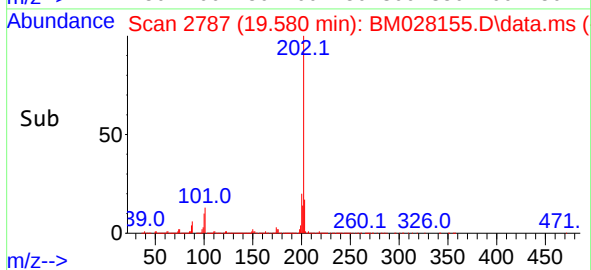
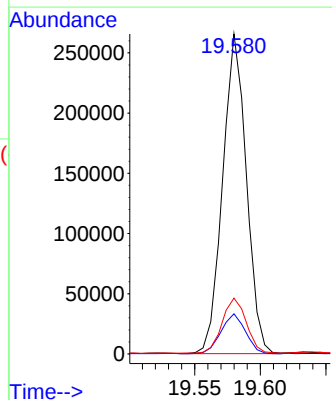
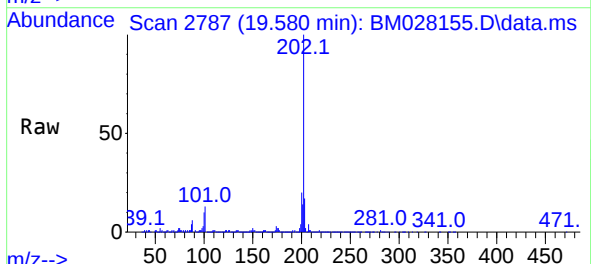
Instrument :  
BNA\_M  
ClientSampled :  
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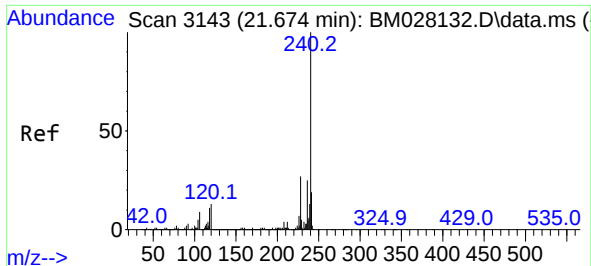
Tgt Ion:188 Resp: 899585  
Ion Ratio Lower Upper  
188 100  
94 9.9 6.2 9.4#  
80 11.4 7.5 11.3#



#75  
Fluoranthene  
Concen: 5.45 ng  
RT: 19.580 min Scan# 2787  
Delta R.T. -0.006 min  
Lab File: BM028155.D  
Acq: 17 Dec 2020 23:34

Tgt Ion:202 Resp: 333172  
Ion Ratio Lower Upper  
202 100  
101 12.5 0.0 28.5  
203 17.4 0.0 37.3

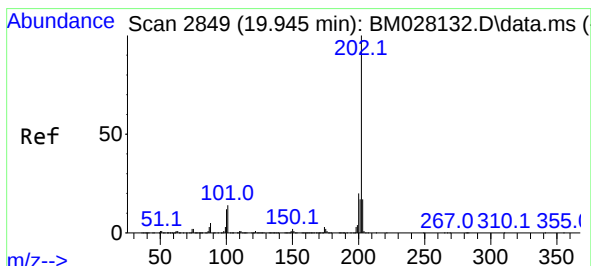
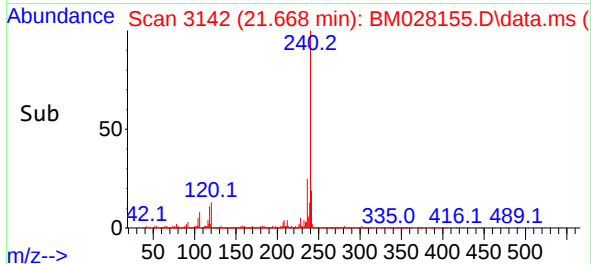
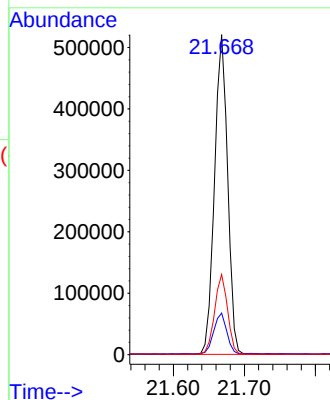
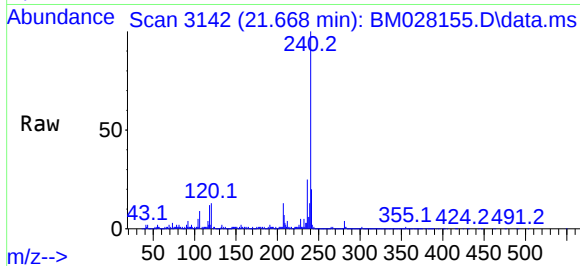




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.668 min Scan# 3142  
Delta R.T. -0.006 min  
Lab File: BM028155.D  
Acq: 17 Dec 2020 23:34

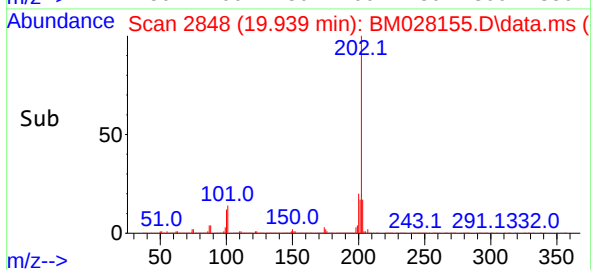
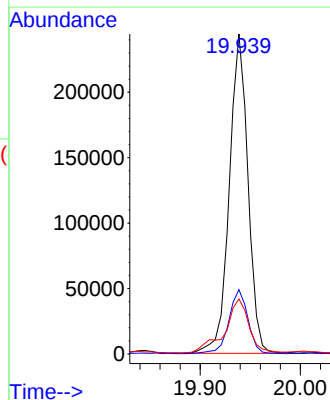
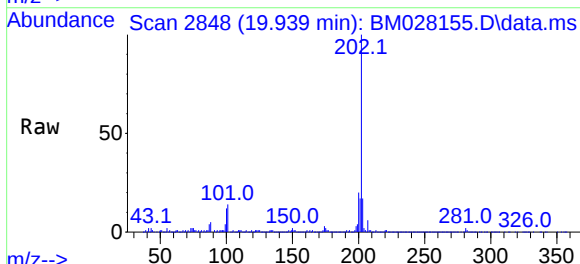
Instrument :  
BNA\_M  
ClientSampled :  
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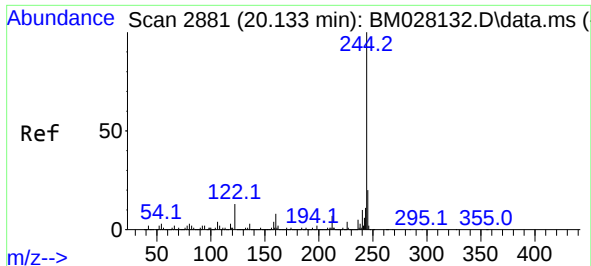
Tgt Ion:240 Resp: 665197  
Ion Ratio Lower Upper  
240 100  
120 13.0 6.4 9.6#  
236 25.0 20.1 30.1



#78  
Pyrene  
Concen: 6.55 ng  
RT: 19.939 min Scan# 2848  
Delta R.T. -0.006 min  
Lab File: BM028155.D  
Acq: 17 Dec 2020 23:34

Tgt Ion:202 Resp: 315508  
Ion Ratio Lower Upper  
202 100  
200 20.1 16.6 24.8  
203 17.2 13.8 20.6

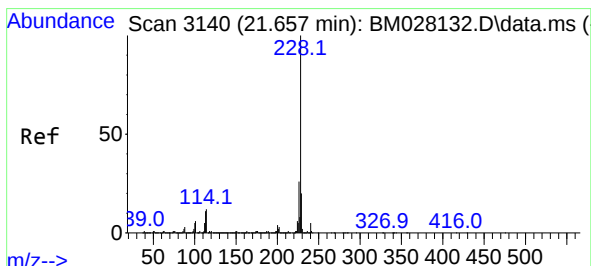
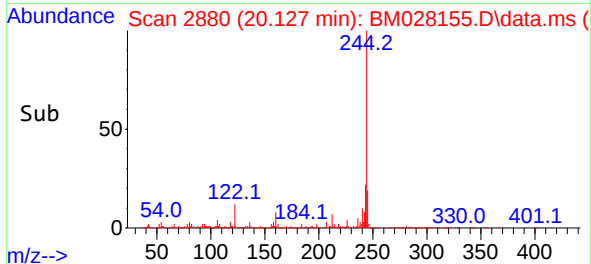
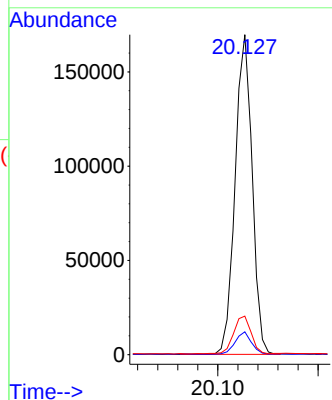
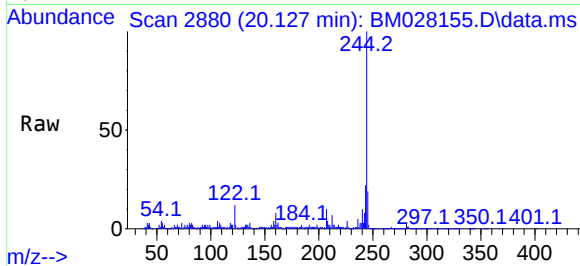




#79  
Terphenyl-d14  
Concen: 5.45 ng  
RT: 20.127 min Scan# 2880  
Delta R.T. -0.006 min  
Lab File: BM028155.D  
Acq: 17 Dec 2020 23:34

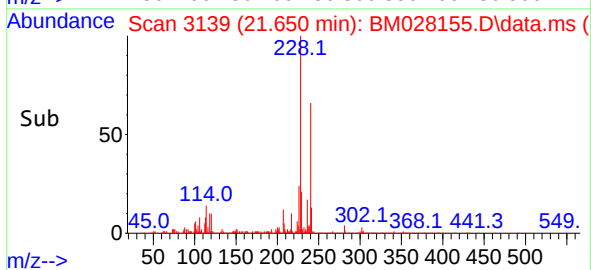
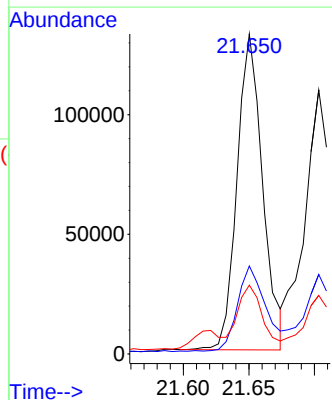
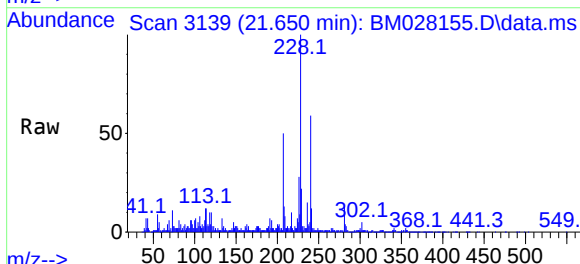
Instrument :  
BNA\_M  
ClientSampled :  
B-8

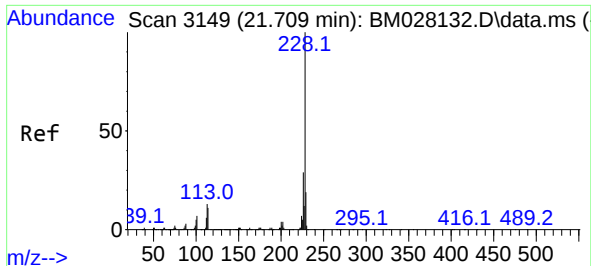
Tgt Ion:244 Resp: 199706  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.8 8.8  
122 12.1 6.5 9.7#



#81  
Benzo(a)anthracene  
Concen: 3.96 ng  
RT: 21.650 min Scan# 3139  
Delta R.T. -0.006 min  
Lab File: BM028155.D  
Acq: 17 Dec 2020 23:34

Tgt Ion:228 Resp: 179455  
Ion Ratio Lower Upper  
228 100  
226 27.5 21.1 31.7  
229 21.5 15.7 23.5

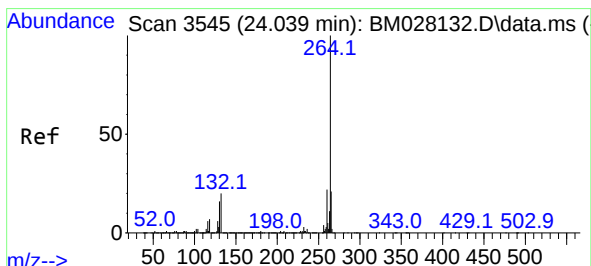
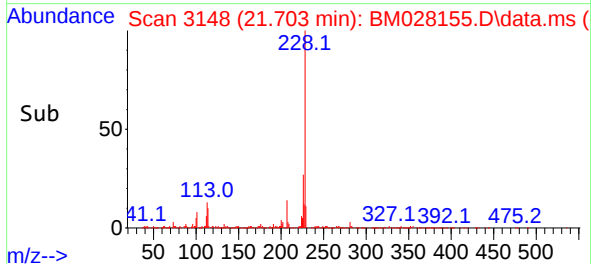
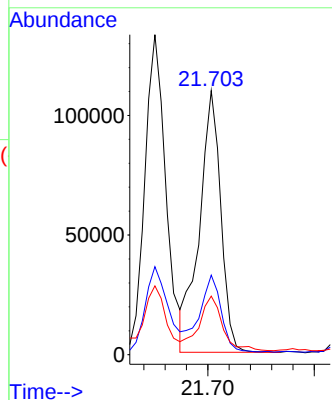
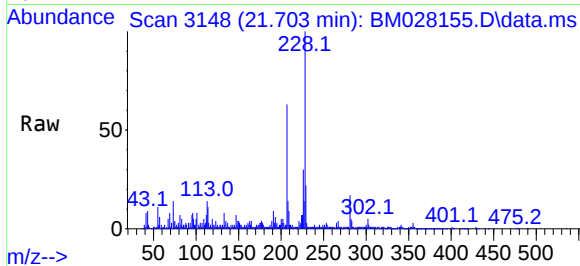




#83  
Chrysene  
Concen: 3.49 ng  
RT: 21.703 min Scan# 3148  
Delta R.T. -0.006 min  
Lab File: BM028155.D  
Acq: 17 Dec 2020 23:34

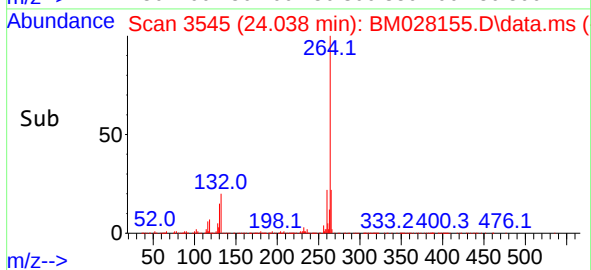
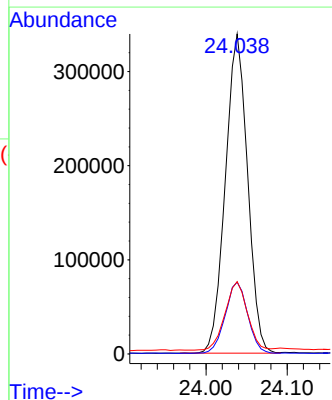
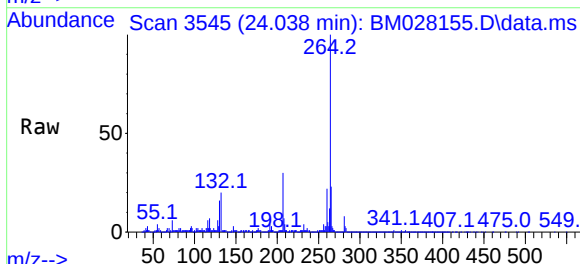
Instrument :  
BNA\_M  
ClientSampled :  
B-8

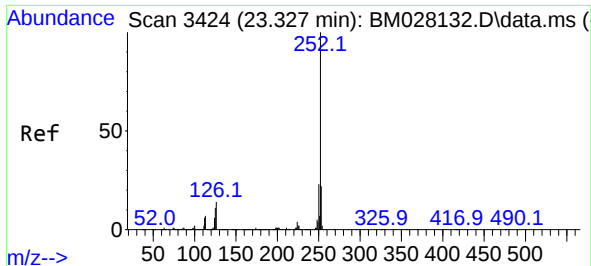
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:228 | Resp: | 153281 |
| Ion | Ratio   | Lower | Upper  |
| 228 | 100     |       |        |
| 226 | 30.1    | 23.4  | 35.0   |
| 229 | 22.2    | 15.7  | 23.5   |



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 24.038 min Scan# 3545  
Delta R.T. -0.000 min  
Lab File: BM028155.D  
Acq: 17 Dec 2020 23:34

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:264 | Resp: | 644298 |
| Ion | Ratio   | Lower | Upper  |
| 264 | 100     |       |        |
| 260 | 22.5    | 19.0  | 28.4   |
| 265 | 22.6    | 17.7  | 26.5   |

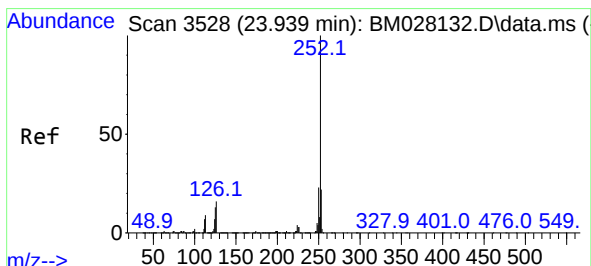
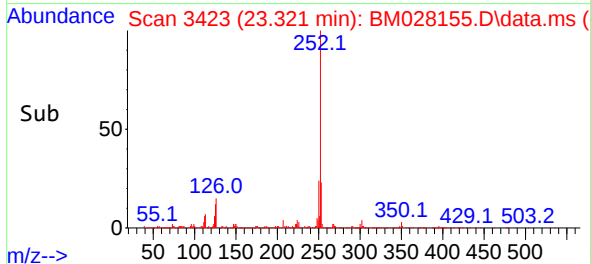
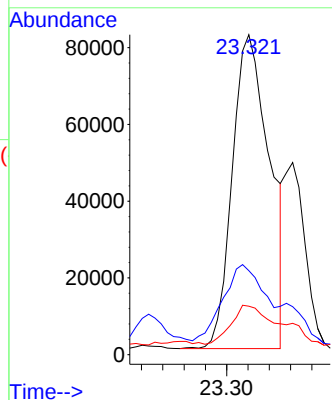
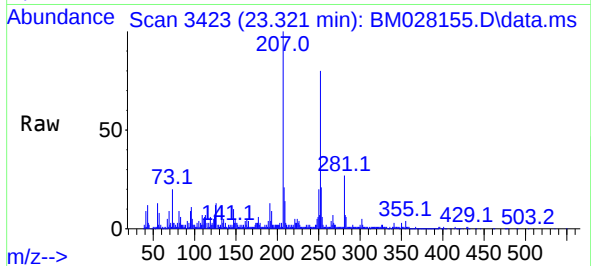




#88  
Benzo(b)fluoranthene  
Concen: 4.53 ng  
RT: 23.321 min Scan# 3423  
Delta R.T. -0.006 min  
Lab File: BM028155.D  
Acq: 17 Dec 2020 23:34

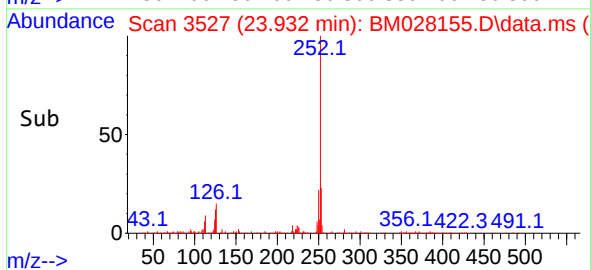
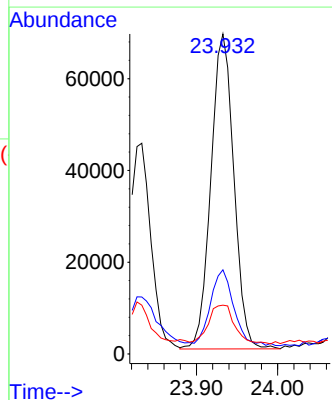
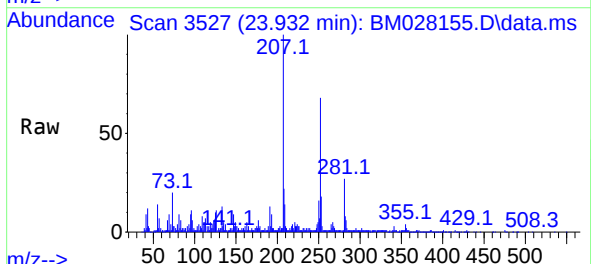
Instrument :  
BNA\_M  
ClientSampled :  
B-8

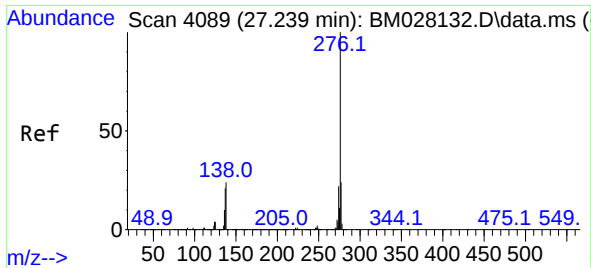
Tgt Ion:252 Resp: 198833  
Ion Ratio Lower Upper  
252 100  
253 26.2 17.4 26.0#  
125 15.2 5.7 8.5#



#90  
Benzo(a)pyrene  
Concen: 3.43 ng  
RT: 23.932 min Scan# 3527  
Delta R.T. -0.006 min  
Lab File: BM028155.D  
Acq: 17 Dec 2020 23:34

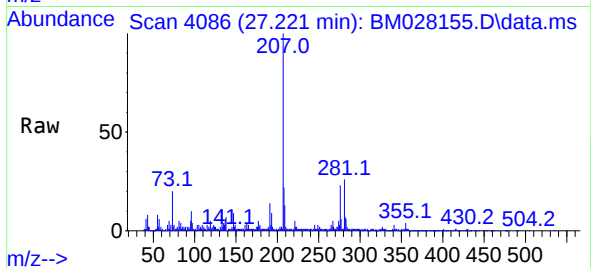
Tgt Ion:252 Resp: 134934  
Ion Ratio Lower Upper  
252 100  
253 26.3 17.4 26.2#  
125 15.3 6.6 9.8#





#92  
Benzo(g,h,i)perylene  
Concen: 2.32 ng  
RT: 27.221 min Scan# 4086  
Delta R.T. -0.018 min  
Lab File: BM028155.D  
Acq: 17 Dec 2020 23:34

Instrument :  
BNA\_M  
ClientSampleId :  
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Tgt Ion:276 Resp: 79275  
Ion Ratio Lower Upper  
276 100  
277 28.4 18.6 28.0#  
138 30.1 12.2 18.2#

