

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042321\  
 Data File : BM029628.D  
 Acq On : 24 Apr 2021 00:22  
 Operator : CG/JU  
 Sample : M2117-01 5X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PL-01-042121

Quant Time: Apr 26 02:11:50 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 22 15:55:11 2021  
 Response via : Initial Calibration

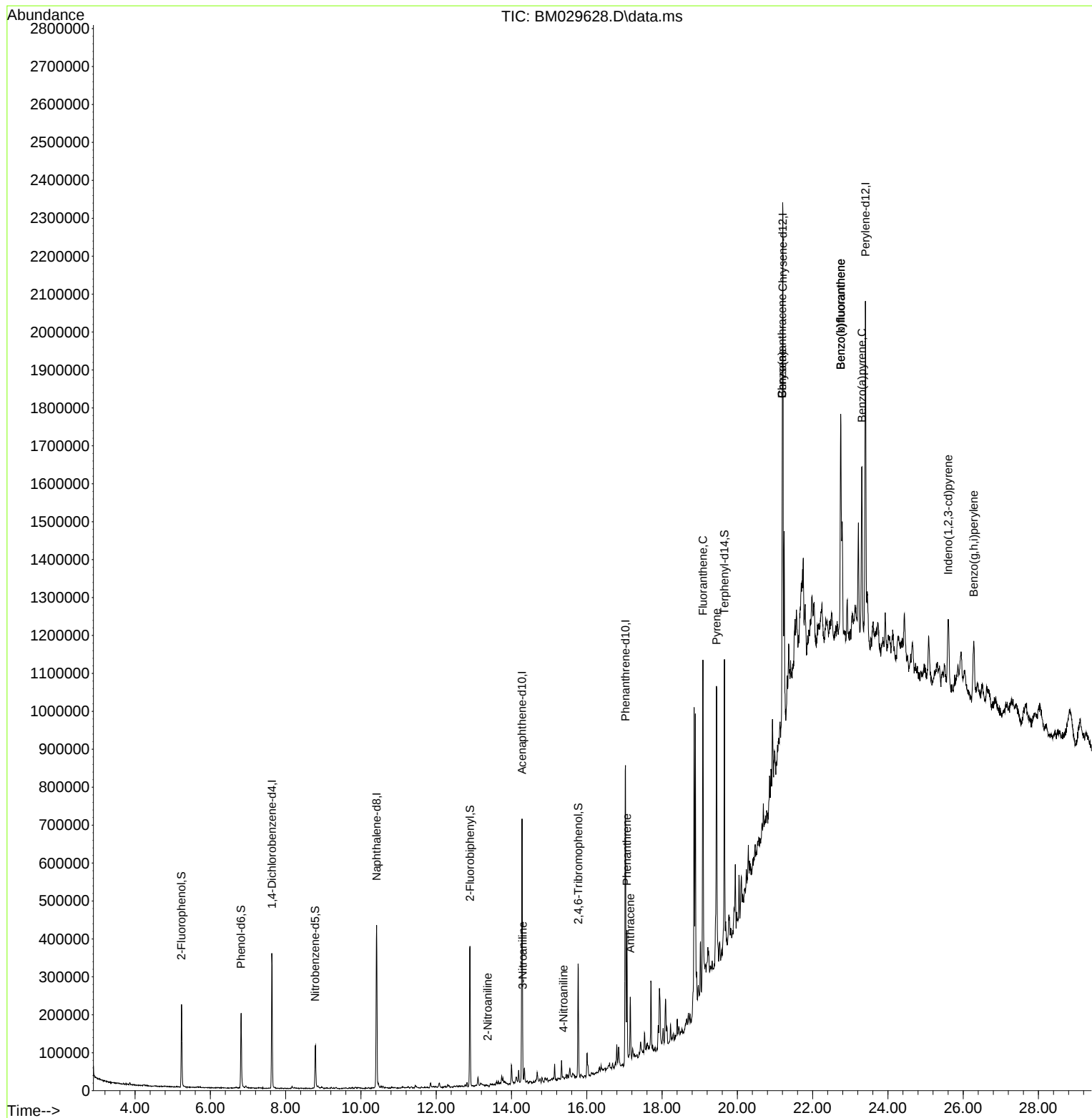
| Compound                    | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|-------|----------|
| -----                       |        |      |          |       |       |          |
| Internal Standards          |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.634  | 152  | 97221    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.416 | 136  | 347036   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.281 | 164  | 229145   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.028 | 188  | 491055   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.210 | 240  | 556548   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 23.404 | 264  | 581191   | 20.00 | ng    | 0.01     |
|                             |        |      |          |       |       |          |
| System Monitoring Compounds |        |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.234  | 112  | 89170    | 18.39 | ng    | 0.00     |
| 7) Phenol-d6                | 6.816  | 99   | 106661   | 14.73 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.787  | 82   | 71468    | 10.61 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.775 | 330  | 51519    | 16.26 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.898 | 172  | 199834   | 11.84 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.657 | 244  | 329028   | 11.21 | ng    | 0.00     |
|                             |        |      |          |       |       |          |
| Target Compounds            |        |      |          |       |       | Qvalue   |
| 48) 2-Nitroaniline          | 13.369 | 65   | 60       | 2.87  | ng    | # 27     |
| 53) 3-Nitroaniline          | 14.298 | 138  | 55       | 3.00  | ng    | # 1      |
| 62) 4-Nitroaniline          | 15.381 | 138  | 56       | 3.47  | ng    | # 16     |
| 71) Phenanthrene            | 17.069 | 178  | 215055   | 7.61  | ng    | 99       |
| 72) Anthracene              | 17.157 | 178  | 103033   | 3.69  | ng    | 97       |
| 75) Fluoranthene            | 19.086 | 202  | 482231   | 14.06 | ng    | 100      |
| 78) Pyrene                  | 19.451 | 202  | 461117   | 12.88 | ng    | 99       |
| 81) Benzo(a)anthracene      | 21.192 | 228  | 318170   | 8.64  | ng    | 97       |
| 83) Chrysene                | 21.192 | 228  | 318170   | 8.79  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene  | 25.603 | 276  | 180654   | 4.02  | ng    | 96       |
| 88) Benzo(b)fluoranthene    | 22.745 | 252  | 560960   | 14.80 | ng    | # 95     |
| 89) Benzo(k)fluoranthene    | 22.745 | 252  | 560960   | 14.77 | ng    | # 94     |
| 90) Benzo(a)pyrene          | 23.309 | 252  | 277073   | 7.79  | ng    | # 94     |
| 92) Benzo(g,h,i)perylene    | 26.280 | 276  | 177319   | 4.95  | ng    | 99       |
| -----                       |        |      |          |       |       |          |

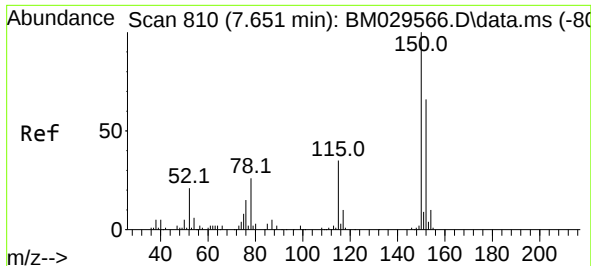
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042321\  
Data File : BM029628.D  
Acq On : 24 Apr 2021 00:22  
Operator : CG/JU  
Sample : M2117-01 5X  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-042121

Quant Time: Apr 26 02:11:50 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM042121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 22 15:55:11 2021  
Response via : Initial Calibration

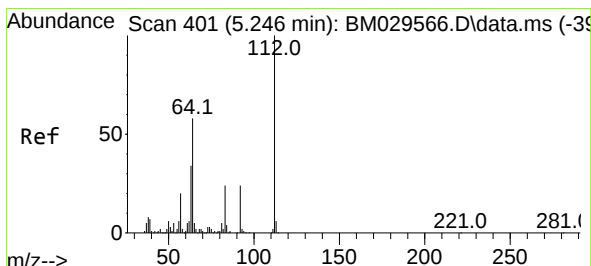
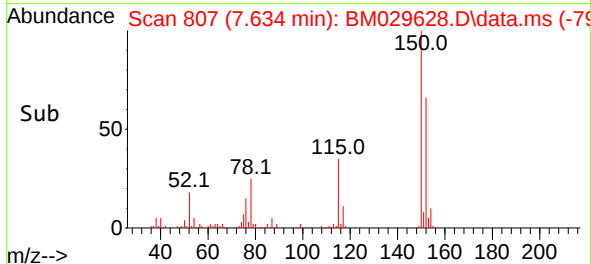
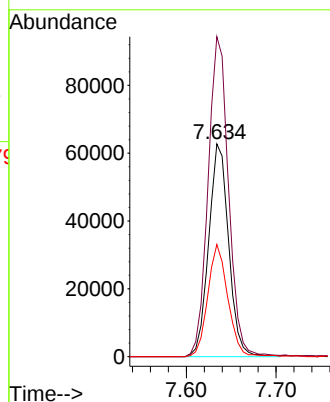
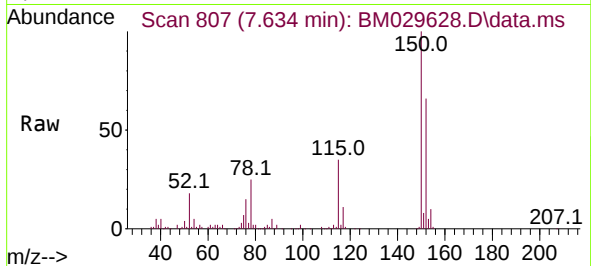




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.634 min Scan# 807  
Delta R.T. -0.000 min  
Lab File: BM029628.D  
Acq: 24 Apr 2021 00:22

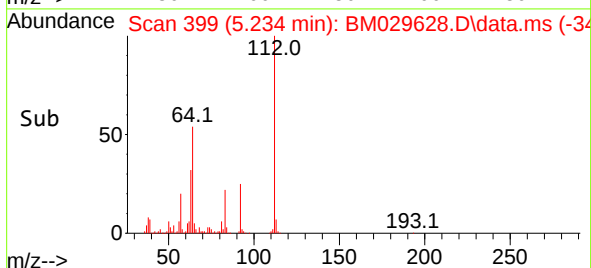
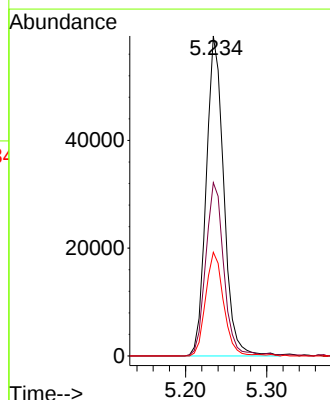
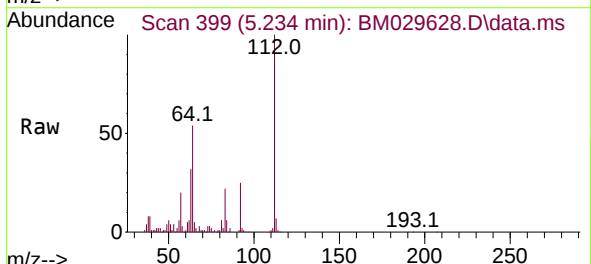
Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-042121

Tgt Ion:152 Resp: 97221  
Ion Ratio Lower Upper  
152 100  
150 150.4 125.9 188.9  
115 52.7 44.6 67.0



#5  
2-Fluorophenol  
Concen: 18.39 ng  
RT: 5.234 min Scan# 399  
Delta R.T. 0.006 min  
Lab File: BM029628.D  
Acq: 24 Apr 2021 00:22

Tgt Ion:112 Resp: 89170  
Ion Ratio Lower Upper  
112 100  
64 54.2 47.1 70.7  
63 32.4 27.3 40.9

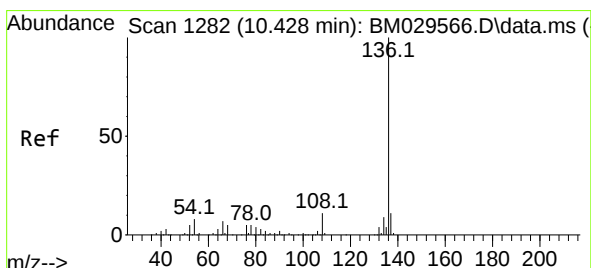
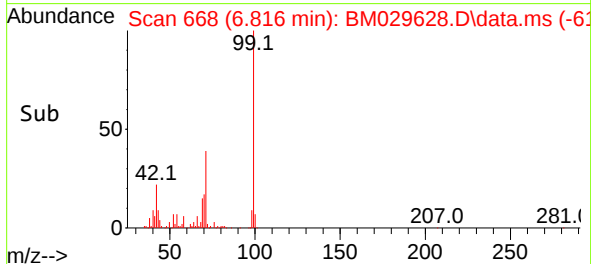
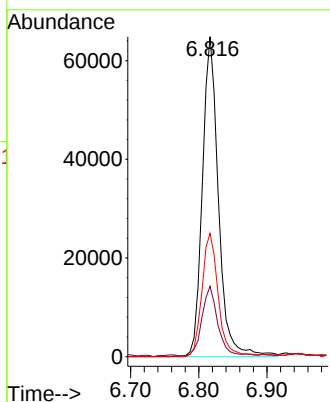
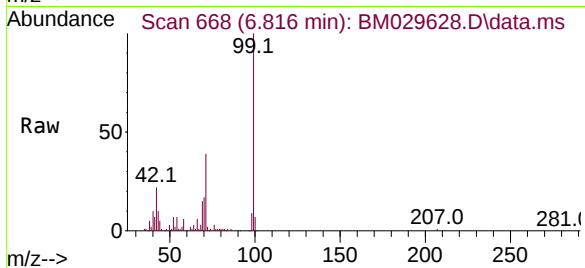




#7  
Phenol-d6  
Concen: 14.73 ng  
RT: 6.816 min Scan# 668  
Delta R.T. 0.006 min  
Lab File: BM029628.D  
Acq: 24 Apr 2021 00:22

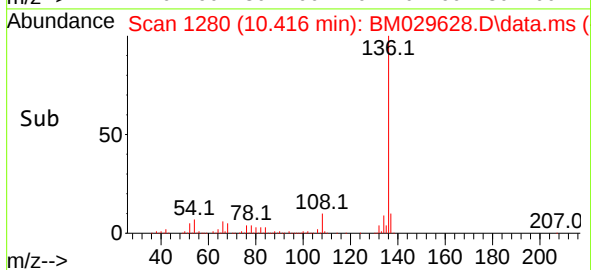
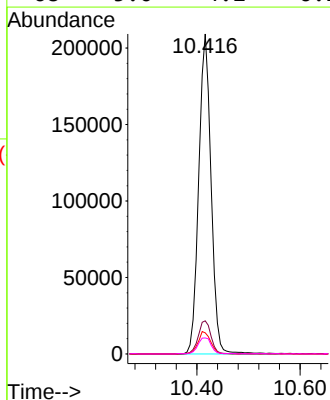
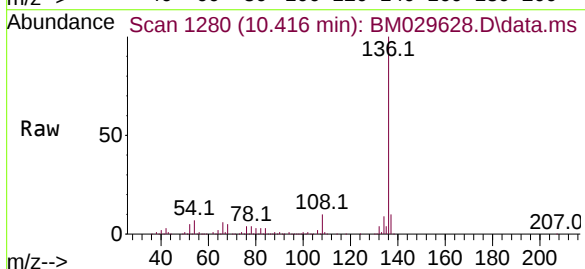
Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-042121

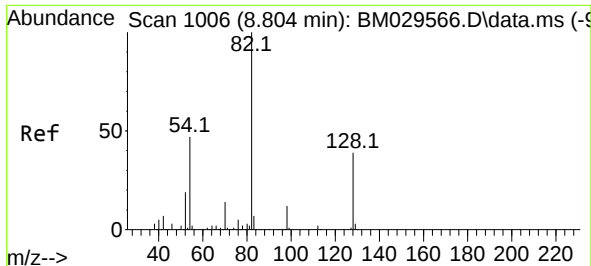
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 99    | Resp: | 106661 |
| Ion      | Ratio | Lower | Upper  |
| 99       | 100   |       |        |
| 42       | 22.0  | 18.0  | 27.0   |
| 71       | 38.6  | 30.9  | 46.3   |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.416 min Scan# 1280  
Delta R.T. 0.000 min  
Lab File: BM029628.D  
Acq: 24 Apr 2021 00:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 347036 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.4  | 8.4   | 12.6   |
| 54       | 6.6   | 5.5   | 8.3    |
| 68       | 5.0   | 4.2   | 6.2    |

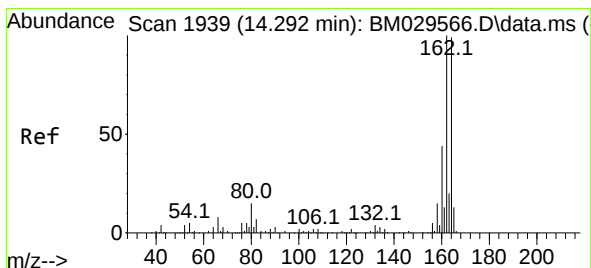
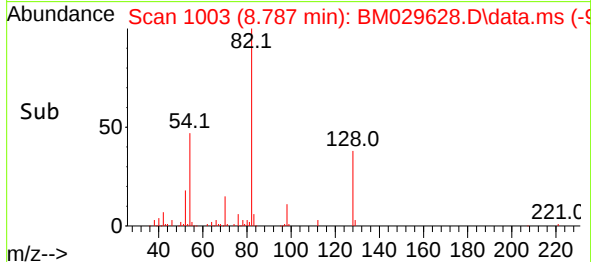
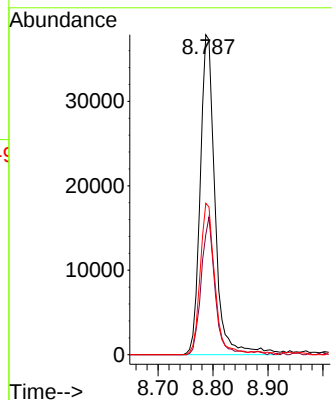
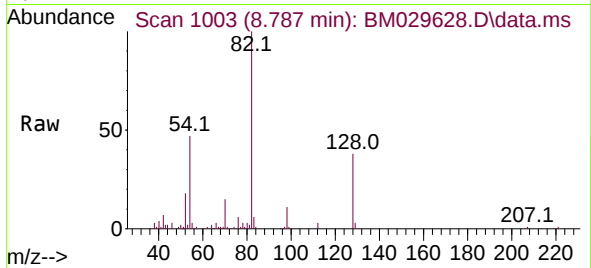




#23  
Nitrobenzene-d5  
Concen: 10.61 ng  
RT: 8.787 min Scan# 1003  
Delta R.T. 0.000 min  
Lab File: BM029628.D  
Acq: 24 Apr 2021 00:22

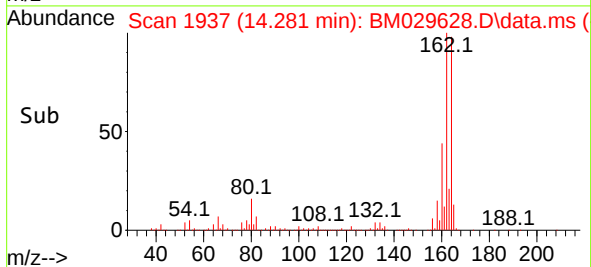
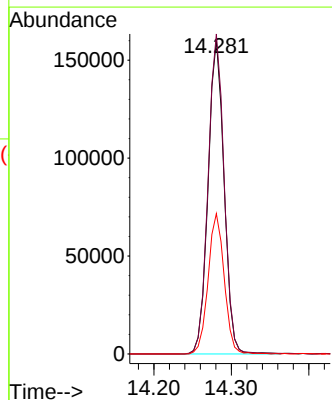
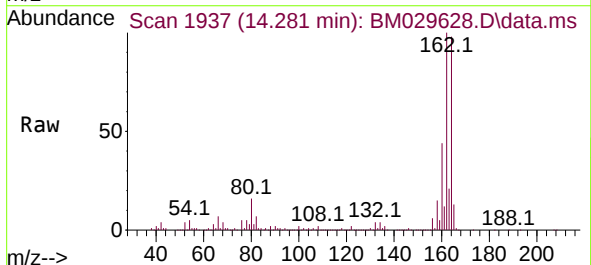
Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-042121

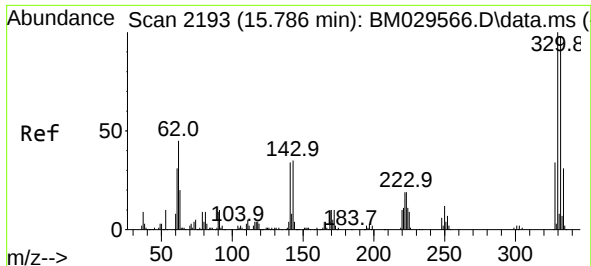
Tgt Ion: 82 Resp: 71468  
Ion Ratio Lower Upper  
82 100  
128 37.5 31.1 46.7  
54 47.3 37.3 55.9



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.281 min Scan# 1937  
Delta R.T. 0.000 min  
Lab File: BM029628.D  
Acq: 24 Apr 2021 00:22

Tgt Ion:164 Resp: 229145  
Ion Ratio Lower Upper  
164 100  
162 101.9 83.4 125.0  
160 44.7 37.2 55.8

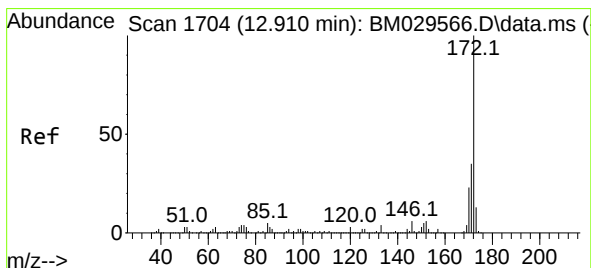
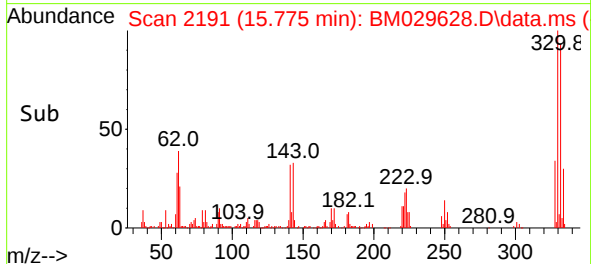
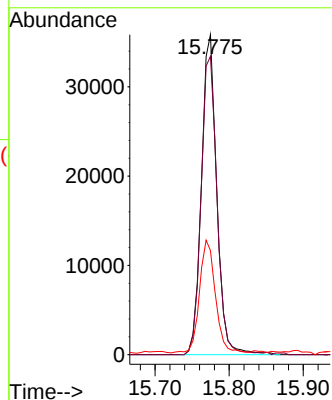
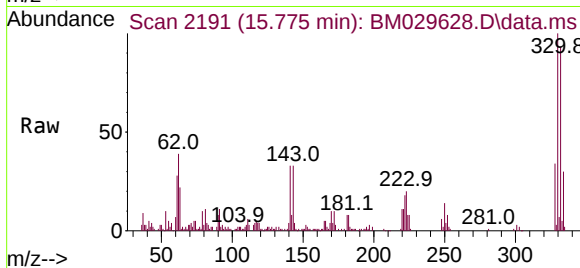




#42  
2,4,6-Tribromophenol  
Concen: 16.26 ng  
RT: 15.775 min Scan# 2191  
Delta R.T. 0.006 min  
Lab File: BM029628.D  
Acq: 24 Apr 2021 00:22

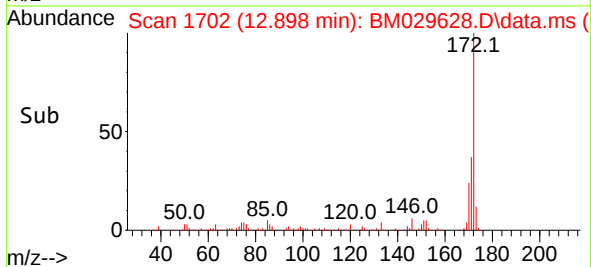
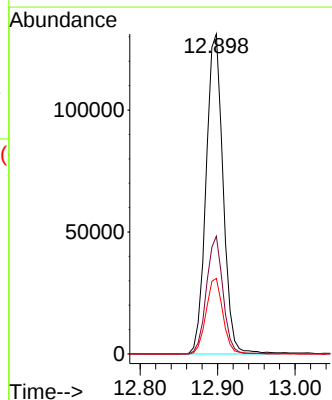
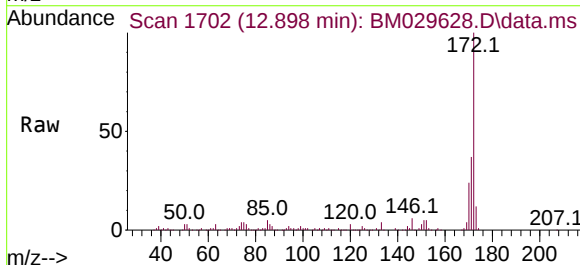
Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-042121

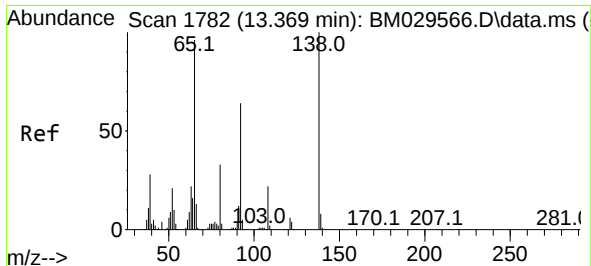
Tgt Ion:330 Resp: 51519  
Ion Ratio Lower Upper  
330 100  
332 96.6 77.0 115.4  
141 36.5 30.2 45.2



#45  
2-Fluorobiphenyl  
Concen: 11.84 ng  
RT: 12.898 min Scan# 1702  
Delta R.T. 0.000 min  
Lab File: BM029628.D  
Acq: 24 Apr 2021 00:22

Tgt Ion:172 Resp: 199834  
Ion Ratio Lower Upper  
172 100  
171 36.8 28.6 43.0  
170 23.6 18.4 27.6

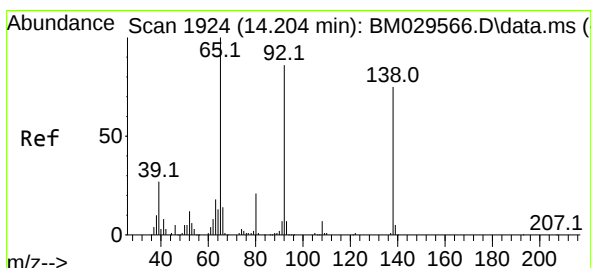
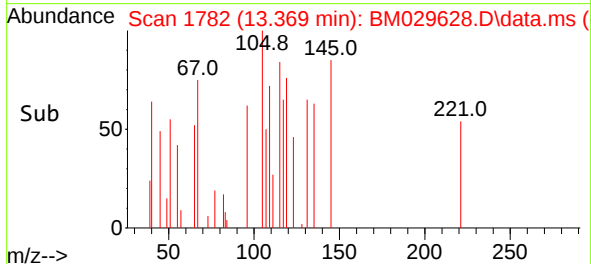
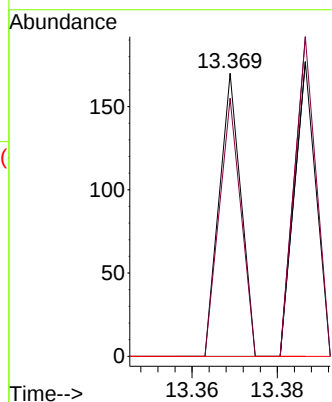
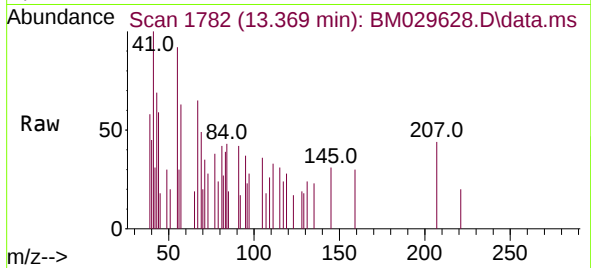




#48  
2-Nitroaniline  
Concen: 2.87 ng  
RT: 13.369 min Scan# 1782  
Delta R.T. 0.012 min  
Lab File: BM029628.D  
Acq: 24 Apr 2021 00:22

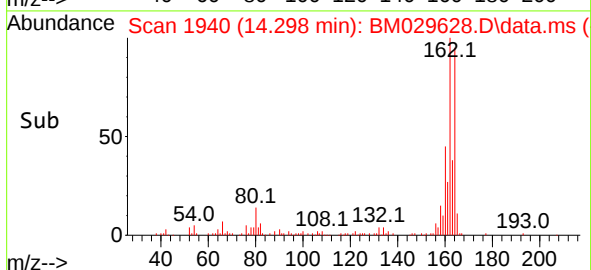
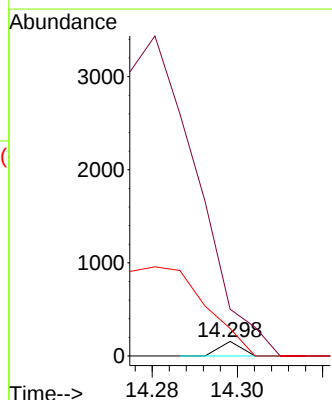
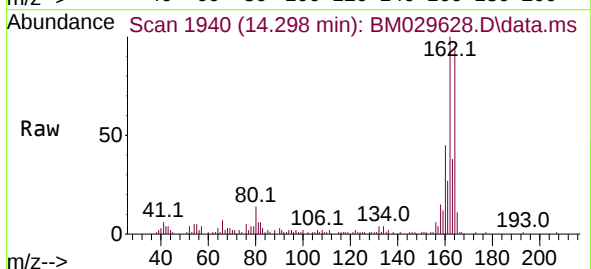
Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-042121

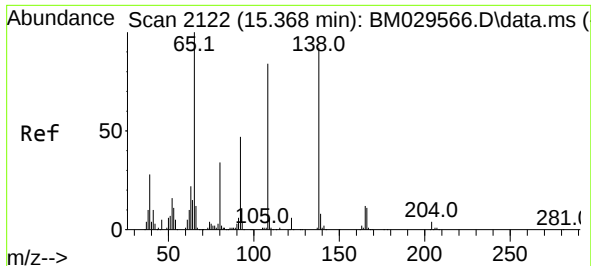
Tgt Ion: 65 Resp: 60  
Ion Ratio Lower Upper  
65 100  
92 91.2 55.5 83.3#  
138 0.0 85.7 128.5#



#53  
3-Nitroaniline  
Concen: 3.00 ng  
RT: 14.298 min Scan# 1940  
Delta R.T. 0.106 min  
Lab File: BM029628.D  
Acq: 24 Apr 2021 00:22

Tgt Ion: 138 Resp: 55  
Ion Ratio Lower Upper  
138 100  
108 321.8 7.7 11.5#  
92 189.1 92.6 138.8#

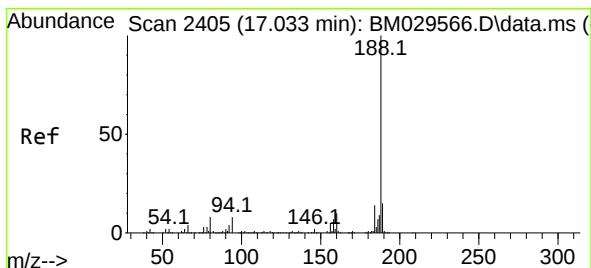
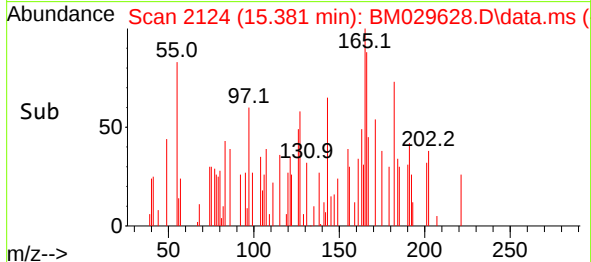
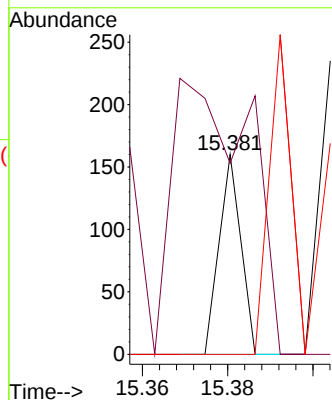
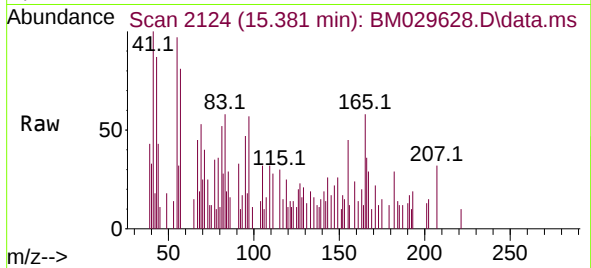




#62  
4-Nitroaniline  
Concen: 3.47 ng  
RT: 15.381 min Scan# 2124  
Delta R.T. 0.024 min  
Lab File: BM029628.D  
Acq: 24 Apr 2021 00:22

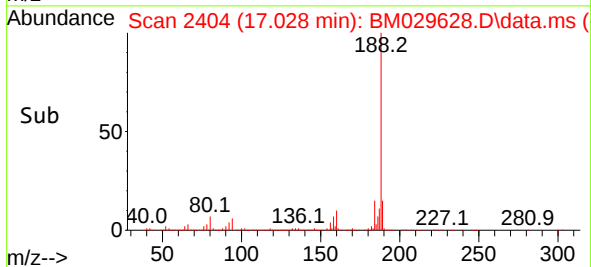
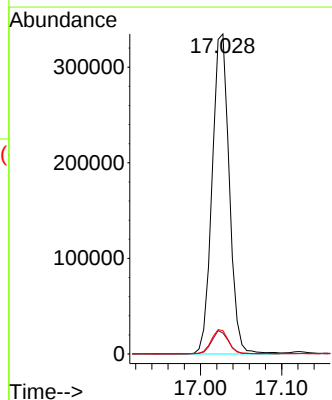
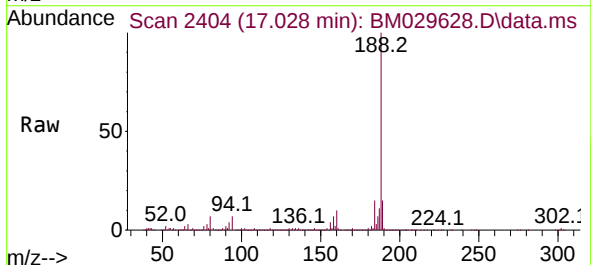
Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-042121

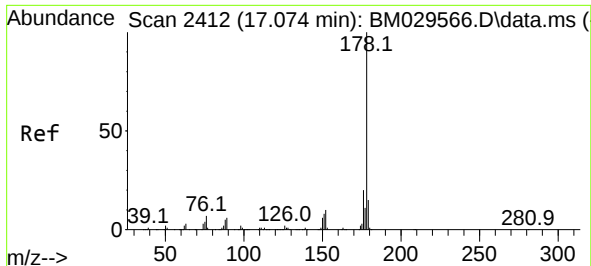
Tgt Ion:138 Resp: 56  
Ion Ratio Lower Upper  
138 100  
92 95.6 33.4 73.4#  
108 0.0 75.5 115.5#



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.028 min Scan# 2404  
Delta R.T. 0.006 min  
Lab File: BM029628.D  
Acq: 24 Apr 2021 00:22

Tgt Ion:188 Resp: 491055  
Ion Ratio Lower Upper  
188 100  
94 6.5 6.0 9.0  
80 7.3 6.6 9.8

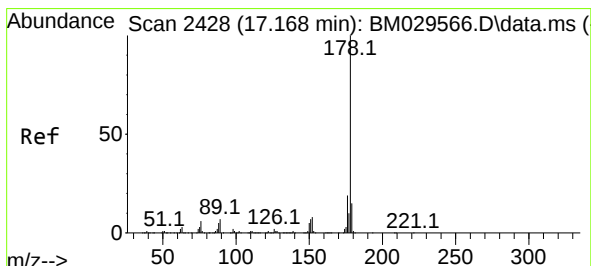
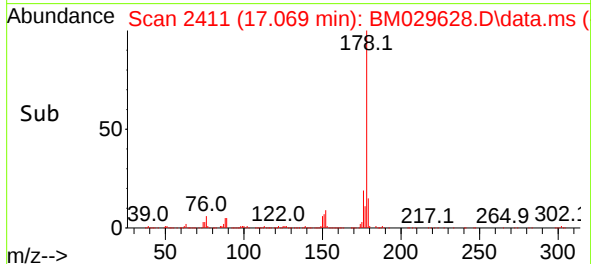
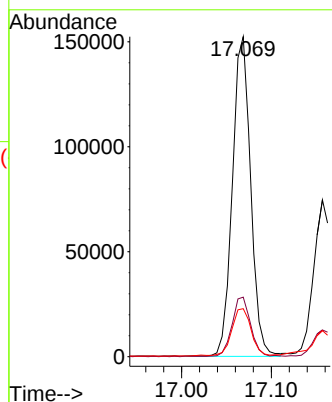
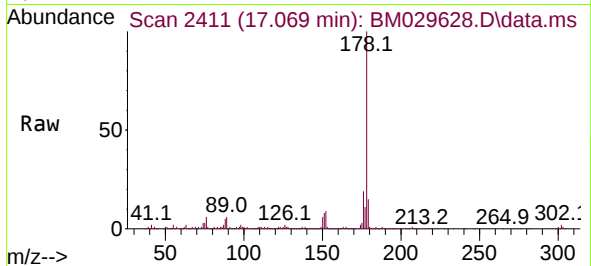




#71  
Phenanthrene  
Concen: 7.61 ng  
RT: 17.069 min Scan# 2411  
Delta R.T. 0.006 min  
Lab File: BM029628.D  
Acq: 24 Apr 2021 00:22

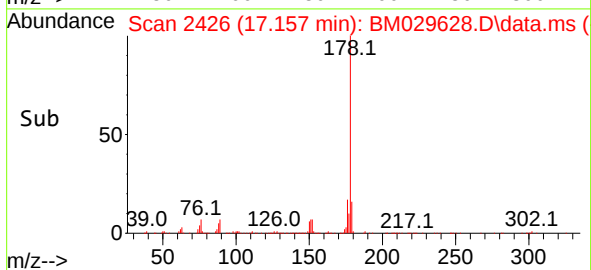
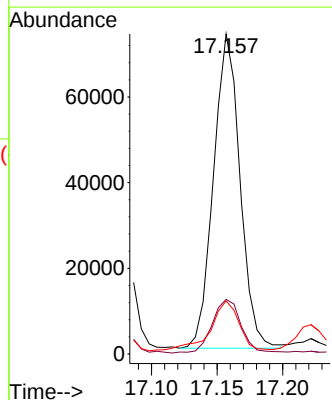
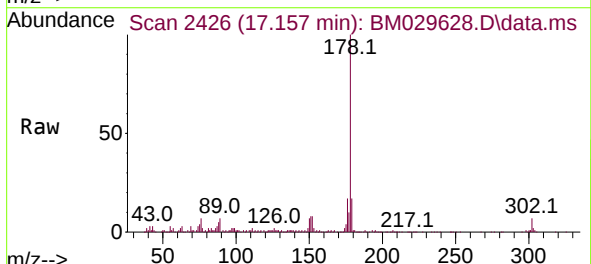
Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-042121

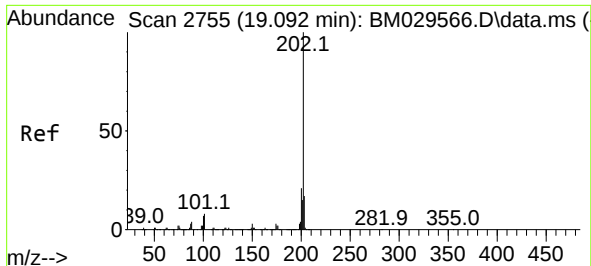
Tgt Ion:178 Resp: 215055  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.4 23.0  
179 15.0 12.2 18.4



#72  
Anthracene  
Concen: 3.69 ng  
RT: 17.157 min Scan# 2426  
Delta R.T. 0.000 min  
Lab File: BM029628.D  
Acq: 24 Apr 2021 00:22

Tgt Ion:178 Resp: 103033  
Ion Ratio Lower Upper  
178 100  
176 17.0 15.0 22.4  
179 16.6 12.5 18.7

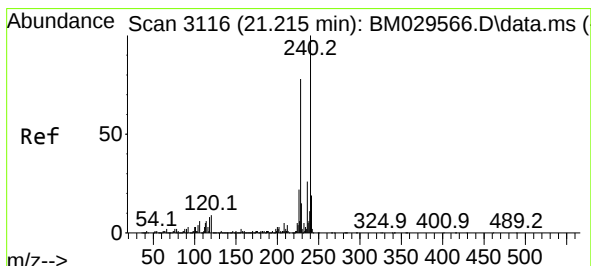
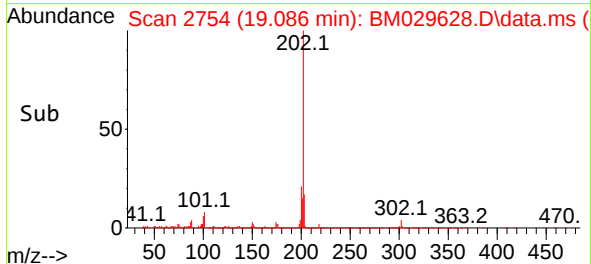
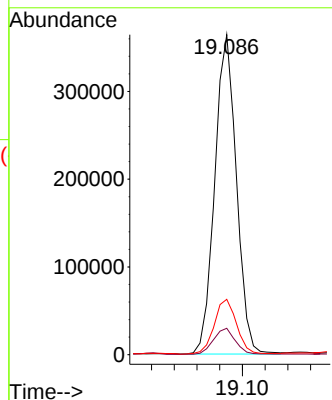
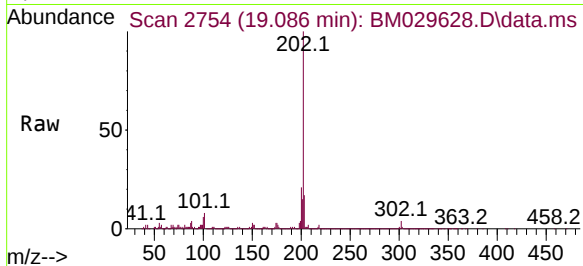




#75  
Fluoranthene  
Concen: 14.06 ng  
RT: 19.086 min Scan# 2754  
Delta R.T. 0.006 min  
Lab File: BM029628.D  
Acq: 24 Apr 2021 00:22

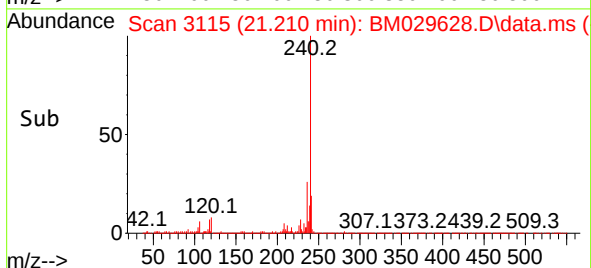
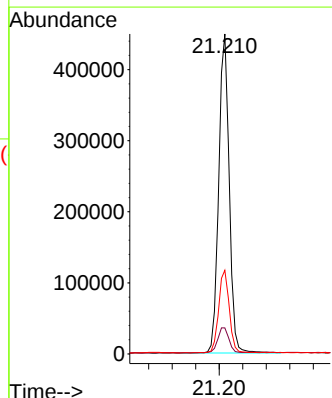
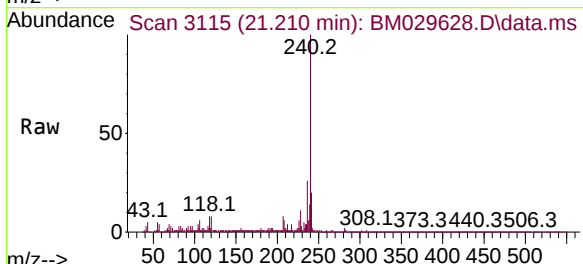
Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-042121

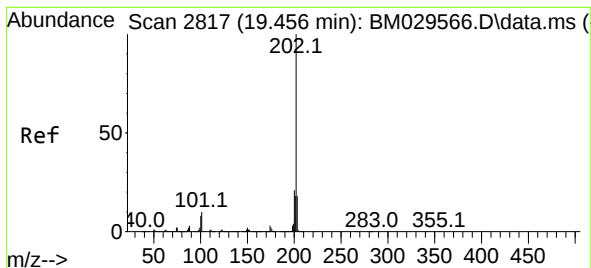
Tgt Ion:202 Resp: 482231  
Ion Ratio Lower Upper  
202 100  
101 8.3 0.0 28.6  
203 17.3 0.0 37.3



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.210 min Scan# 3115  
Delta R.T. 0.006 min  
Lab File: BM029628.D  
Acq: 24 Apr 2021 00:22

Tgt Ion:240 Resp: 556548  
Ion Ratio Lower Upper  
240 100  
120 8.1 7.0 10.6  
236 26.2 21.0 31.4





#78

Pyrene

Concen: 12.88 ng

RT: 19.451 min Scan# 2816

Delta R.T. 0.006 min

Lab File: BM029628.D

Acq: 24 Apr 2021 00:22

Tgt Ion:202 Resp: 461117

Ion Ratio Lower Upper

202 100

200 21.7 17.3 25.9

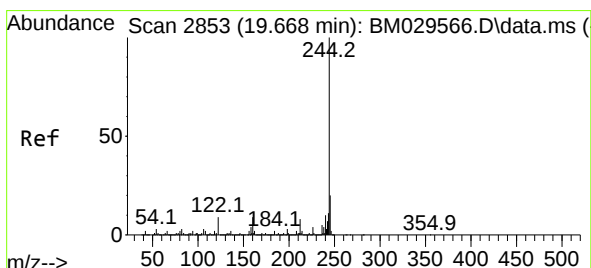
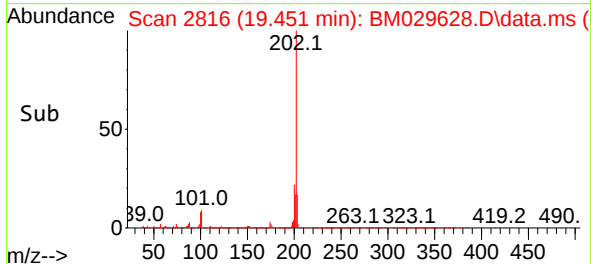
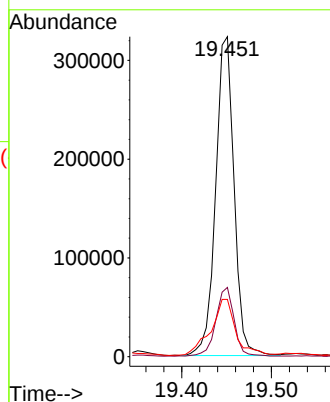
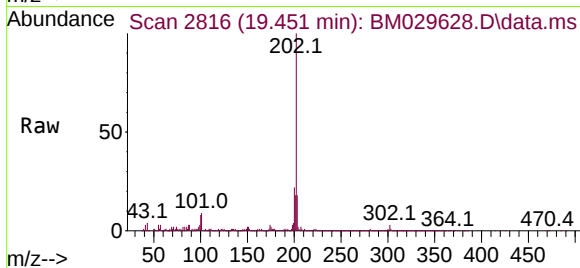
203 17.9 13.9 20.9

Instrument :

BNA\_M

ClientSampleId :

PL-01-042121



#79

Terphenyl-d14

Concen: 11.21 ng

RT: 19.657 min Scan# 2851

Delta R.T. 0.000 min

Lab File: BM029628.D

Acq: 24 Apr 2021 00:22

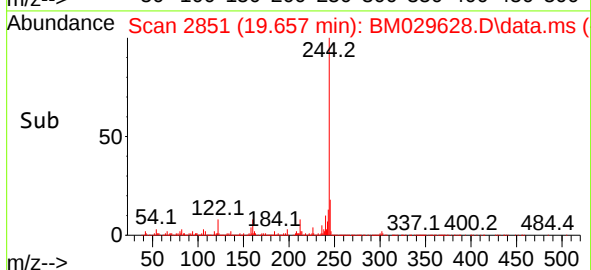
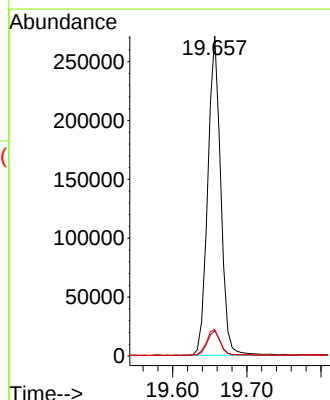
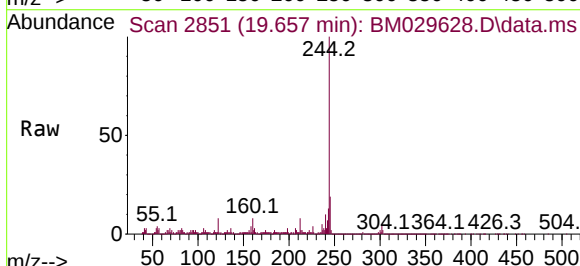
Tgt Ion:244 Resp: 329028

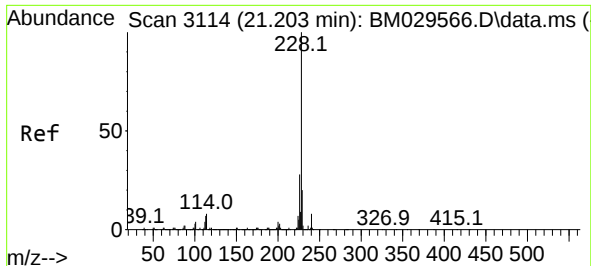
Ion Ratio Lower Upper

244 100

212 7.9 6.3 9.5

122 8.2 6.9 10.3

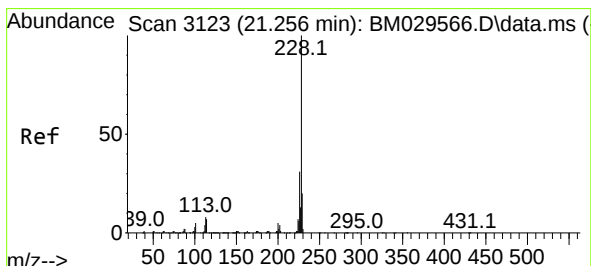
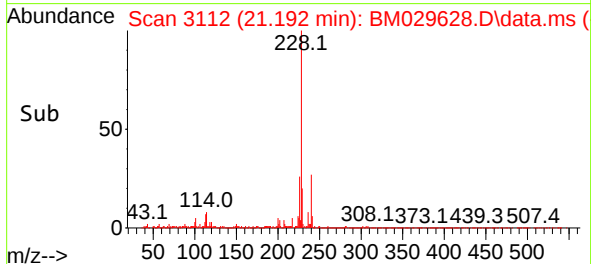
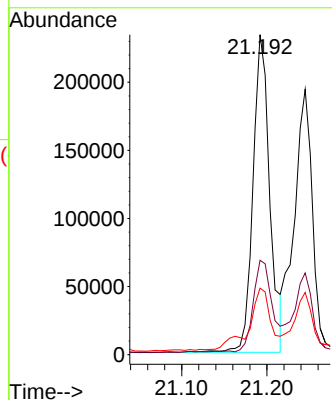
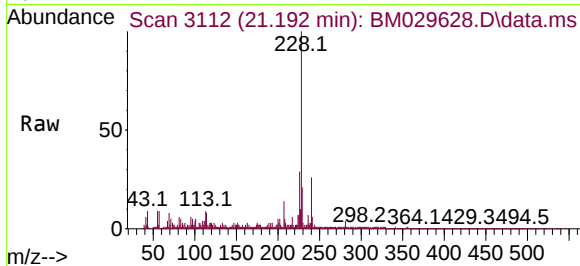




#81  
Benzo(a)anthracene  
Concen: 8.64 ng  
RT: 21.192 min Scan# 3112  
Delta R.T. 0.000 min  
Lab File: BM029628.D  
Acq: 24 Apr 2021 00:22

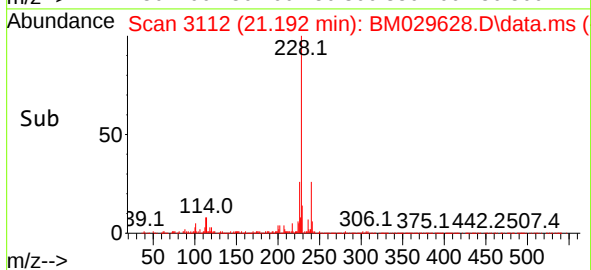
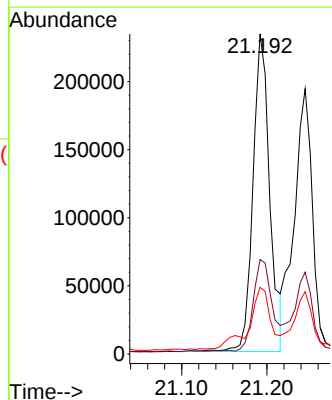
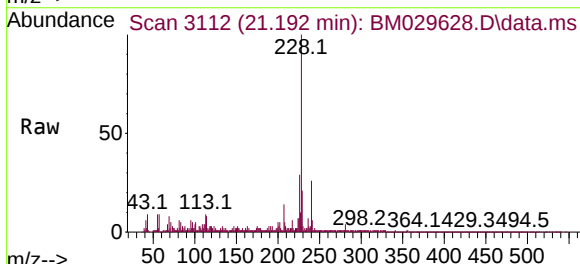
Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-042121

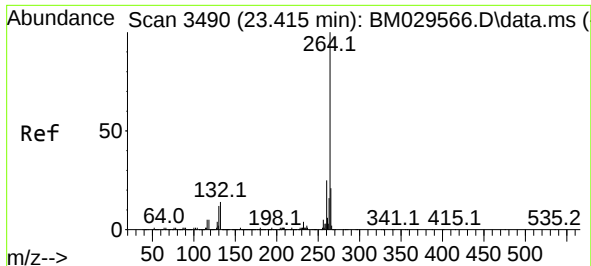
Tgt Ion:228 Resp: 318170  
Ion Ratio Lower Upper  
228 100  
226 29.5 22.3 33.5  
229 20.8 15.7 23.5



#83  
Chrysene  
Concen: 8.79 ng  
RT: 21.192 min Scan# 3112  
Delta R.T. -0.053 min  
Lab File: BM029628.D  
Acq: 24 Apr 2021 00:22

Tgt Ion:228 Resp: 318170  
Ion Ratio Lower Upper  
228 100  
226 29.5 24.6 36.8  
229 20.8 15.5 23.3

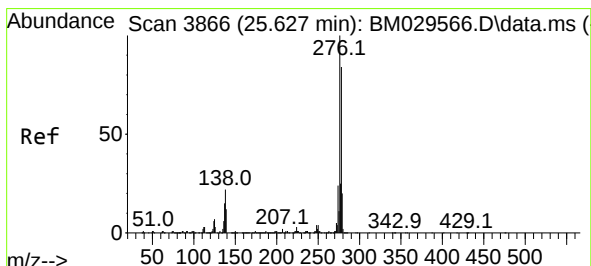
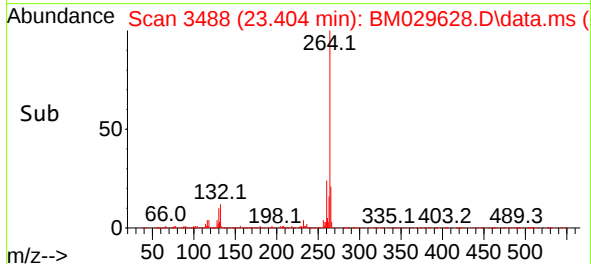
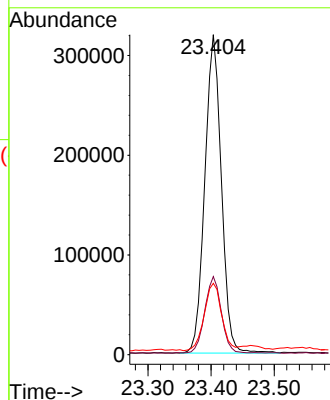
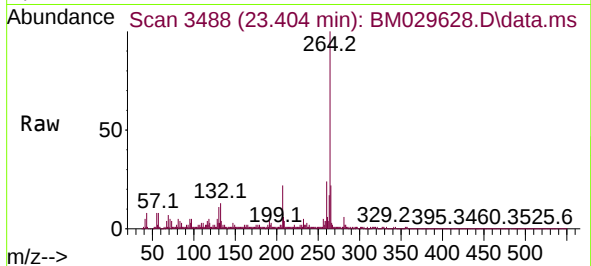




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 23.404 min Scan# 3488  
Delta R.T. 0.012 min  
Lab File: BM029628.D  
Acq: 24 Apr 2021 00:22

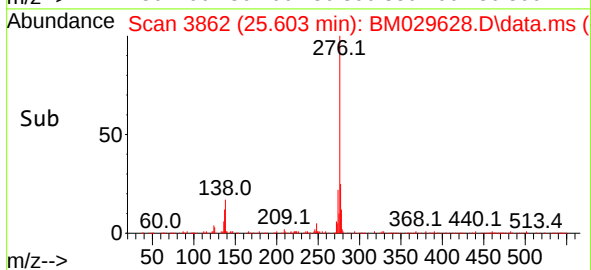
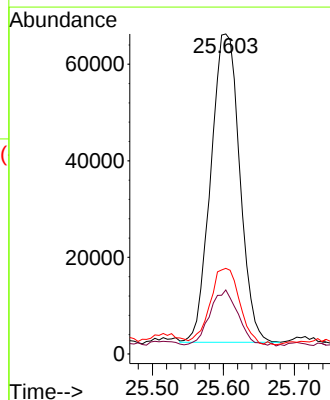
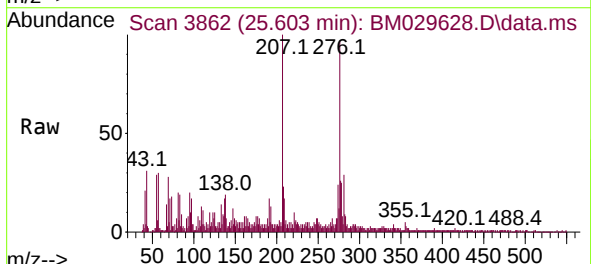
Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-042121

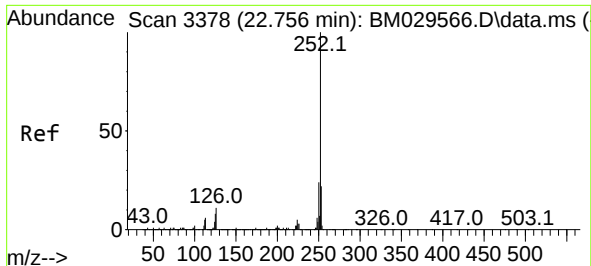
Tgt Ion:264 Resp: 581191  
Ion Ratio Lower Upper  
264 100  
260 24.4 19.8 29.8  
265 22.3 17.7 26.5



#87  
Indeno(1,2,3-cd)pyrene  
Concen: 4.02 ng  
RT: 25.603 min Scan# 3862  
Delta R.T. 0.006 min  
Lab File: BM029628.D  
Acq: 24 Apr 2021 00:22

Tgt Ion:276 Resp: 180654  
Ion Ratio Lower Upper  
276 100  
138 17.3 17.1 25.7  
277 25.0 20.3 30.5

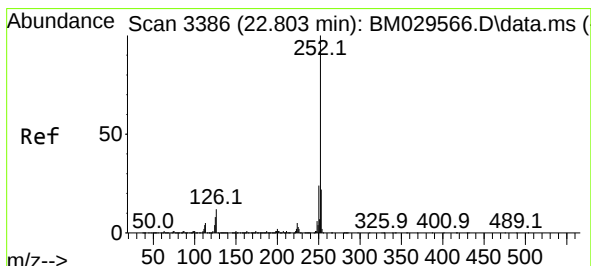
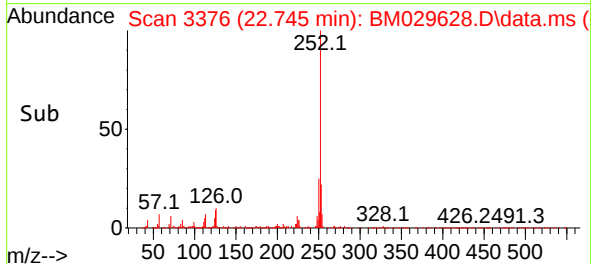
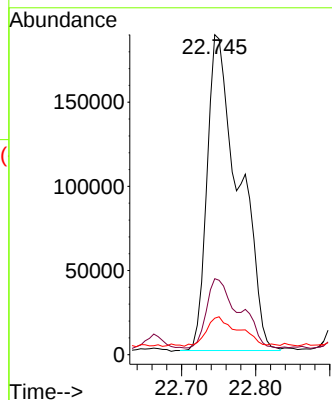
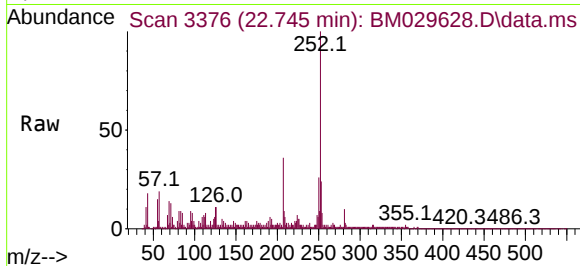




#88  
Benzo(b)fluoranthene  
Concen: 14.80 ng  
RT: 22.745 min Scan# 3376  
Delta R.T. 0.006 min  
Lab File: BM029628.D  
Acq: 24 Apr 2021 00:22

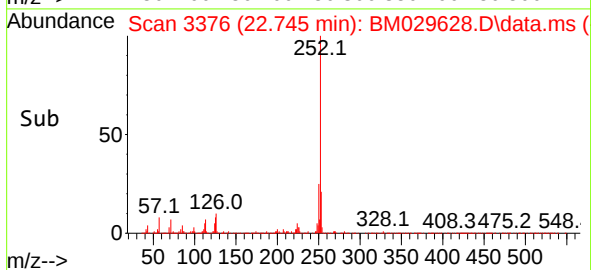
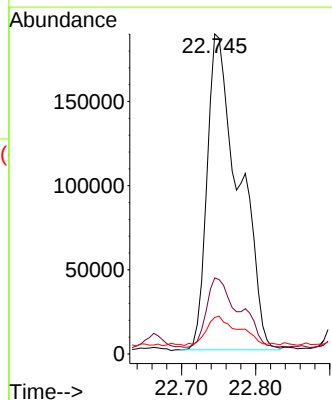
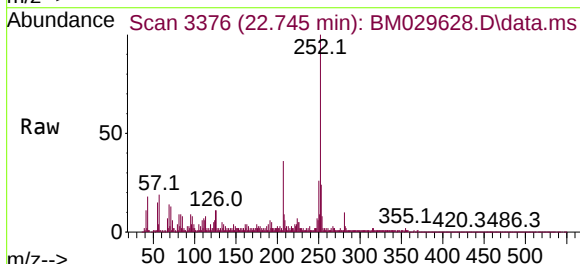
Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-042121

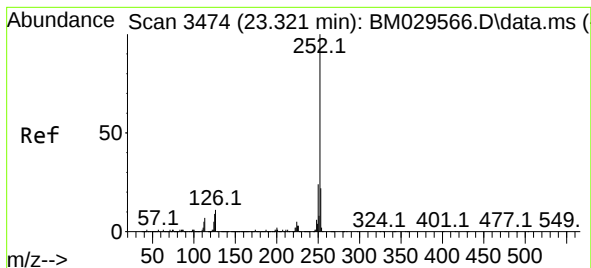
Tgt Ion:252 Resp: 560960  
Ion Ratio Lower Upper  
252 100  
253 23.7 17.4 26.0  
125 11.4 6.8 10.2#



#89  
Benzo(k)fluoranthene  
Concen: 14.77 ng  
RT: 22.745 min Scan# 3376  
Delta R.T. -0.041 min  
Lab File: BM029628.D  
Acq: 24 Apr 2021 00:22

Tgt Ion:252 Resp: 560960  
Ion Ratio Lower Upper  
252 100  
253 23.7 17.4 26.2  
125 11.4 6.2 9.2#

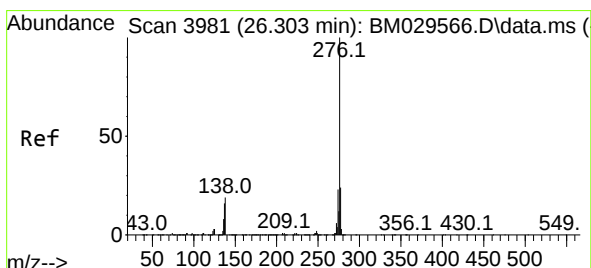
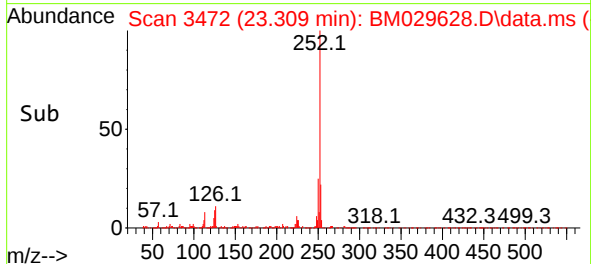
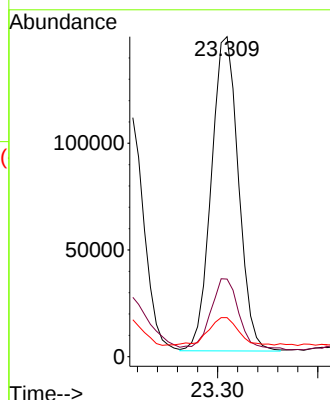
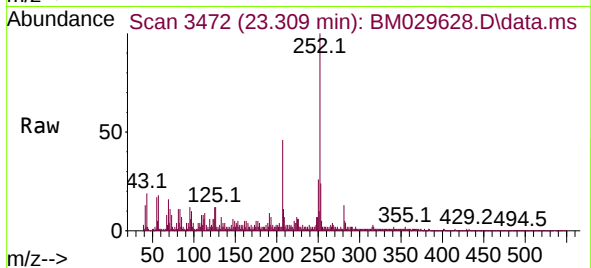




#90  
Benzo(a)pyrene  
Concen: 7.79 ng  
RT: 23.309 min Scan# 3472  
Delta R.T. 0.012 min  
Lab File: BM029628.D  
Acq: 24 Apr 2021 00:22

Instrument :  
BNA\_M  
ClientSampleId :  
PL-01-042121

Tgt Ion:252 Resp: 277073  
Ion Ratio Lower Upper  
252 100  
253 24.3 17.7 26.5  
125 12.2 7.3 10.9#



#92  
Benzo(g,h,i)perylene  
Concen: 4.95 ng  
RT: 26.280 min Scan# 3977  
Delta R.T. 0.012 min  
Lab File: BM029628.D  
Acq: 24 Apr 2021 00:22

Tgt Ion:276 Resp: 177319  
Ion Ratio Lower Upper  
276 100  
277 25.3 19.4 29.2  
138 17.7 14.4 21.6

