

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM083022\  
 Data File : BM036455.D  
 Acq On : 29 Aug 2022 15:50  
 Operator : CG/JU  
 Sample : SST0.864  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SST0.8018

Quant Time: Aug 29 16:34:58 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM083022.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 29 16:16:27 2022  
 Response via : Initial Calibration

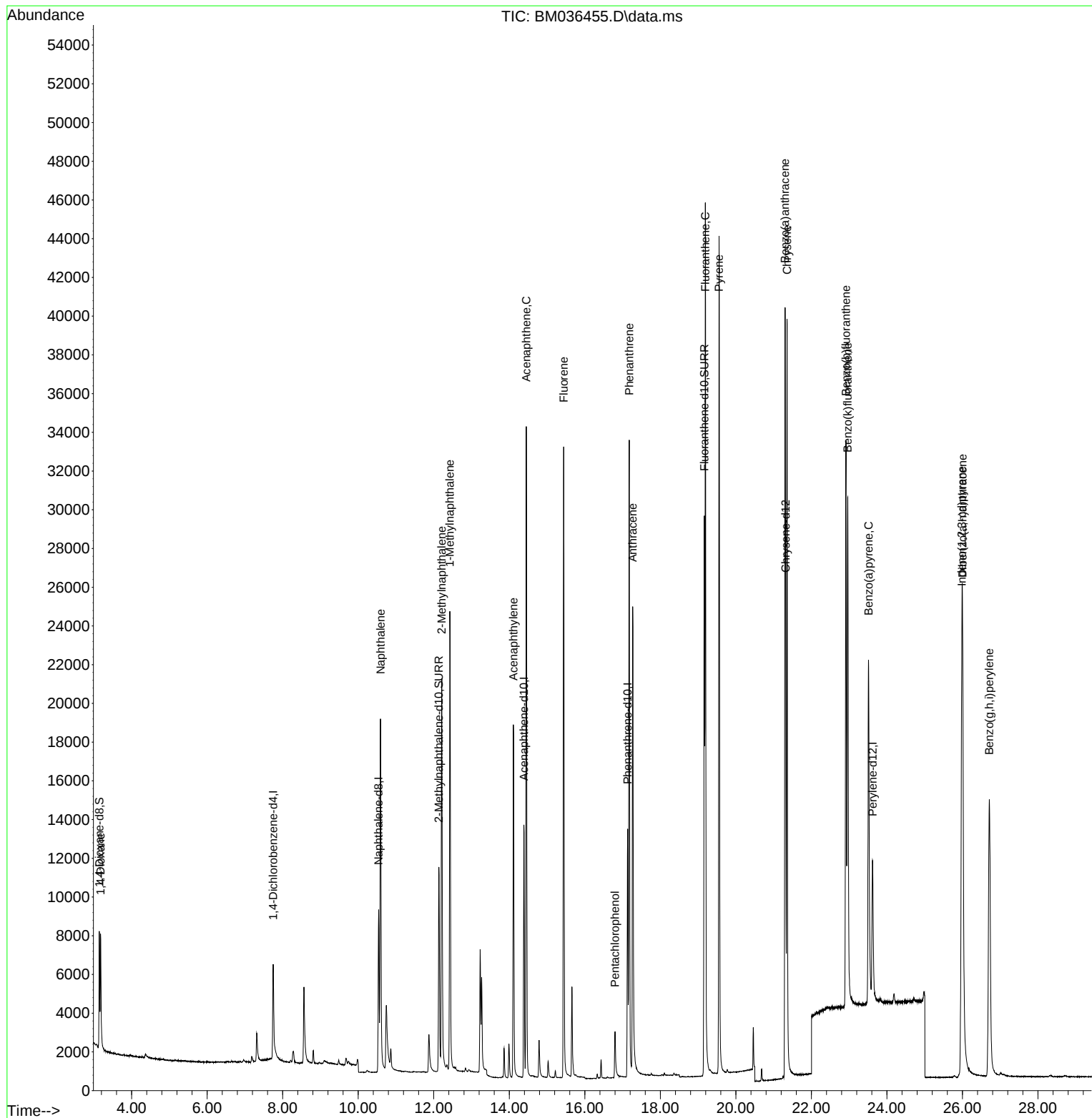
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.746  | 152  | 3239     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.541 | 136  | 12476    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.387 | 164  | 7095     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.133 | 188  | 15215    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.318 | 240  | 13630    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.621 | 264  | 11344    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.143  | 96   | 3851     | 0.883 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.135 | 152  | 16142    | 0.809 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.165 | 212  | 33415    | 1.985 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.181  | 88   | 3745     | 0.909 | ng/ul# | 90       |
| 5) Naphthalene              | 10.590 | 128  | 27097    | 0.771 | ng/ul  | 96       |
| 7) 2-Methylnaphthalene      | 12.212 | 142  | 17132    | 0.812 | ng/ul  | 95       |
| 8) 1-Methylnaphthalene      | 12.427 | 142  | 17646    | 0.825 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.109 | 152  | 21891    | 0.745 | ng/ul  | 98       |
| 11) Acenaphthene            | 14.451 | 153  | 19244    | 0.811 | ng/ul  | 99       |
| 12) Fluorene                | 15.441 | 166  | 21459    | 0.772 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.799 | 266  | 2220     | 0.738 | ng/ul  | 97       |
| 15) Phenanthrene            | 17.175 | 178  | 35655    | 0.657 | ng/ul  | 99       |
| 16) Anthracene              | 17.268 | 178  | 30696    | 0.711 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.193 | 202  | 38687    | 0.812 | ng/ul  | 99       |
| 20) Pyrene                  | 19.555 | 202  | 39211    | 0.792 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.304 | 228  | 33486    | 0.593 | ng/ul  | 98       |
| 22) Chrysene                | 21.353 | 228  | 36551    | 0.471 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.914 | 252  | 36662    | 0.444 | ng/ul  | 88       |
| 25) Benzo(k)fluoranthene    | 22.963 | 252  | 37006    | 0.445 | ng/ul# | 85       |
| 26) Benzo(a)pyrene          | 23.513 | 252  | 30552    | 0.585 | ng/ul# | 81       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.983 | 276  | 36566    | 0.926 | ng/ul# | 98       |
| 28) Dibenzo(a,h)anthracene  | 26.004 | 278  | 31359    | 0.937 | ng/ul# | 87       |
| 29) Benzo(g,h,i)perylene    | 26.711 | 276  | 33921    | 0.950 | ng/ul  | 97       |
| -----                       |        |      |          |       |        |          |

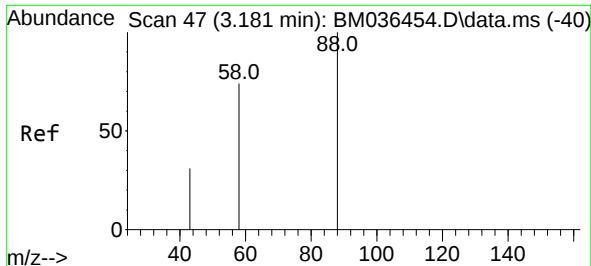
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM083022\  
Data File : BM036455.D  
Acq On : 29 Aug 2022 15:50  
Operator : CG/JU  
Sample : SST0.864  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.8018

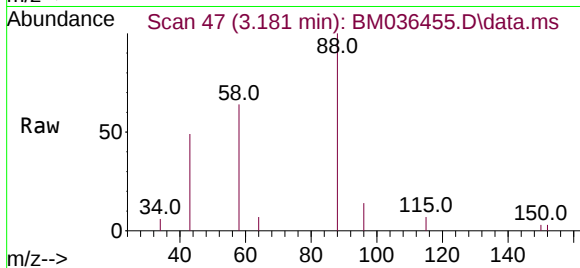
Quant Time: Aug 29 16:34:58 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM083022.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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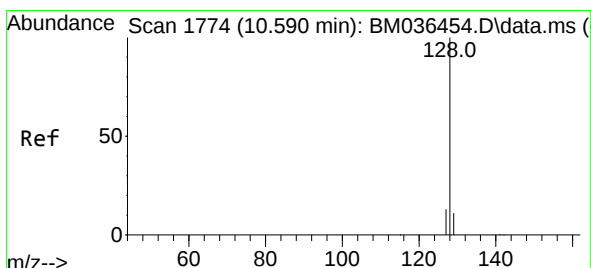
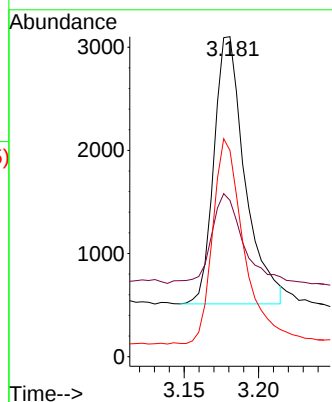
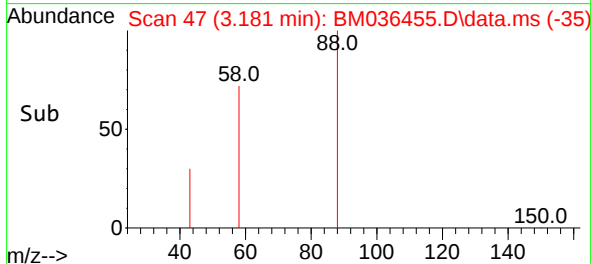


#2  
1,4-Dioxane  
Concen: 0.909 ng/ul  
RT: 3.181 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: BM036455.D  
Acq: 29 Aug 2022 15:50

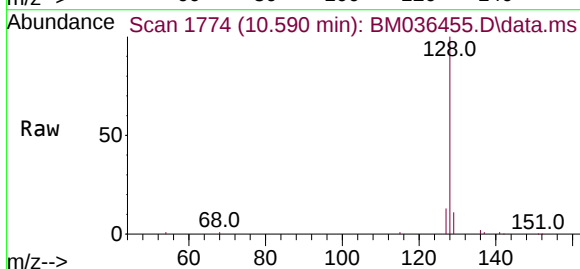
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.8018



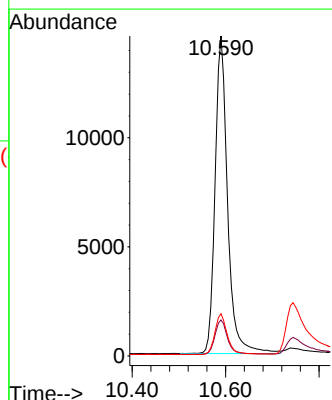
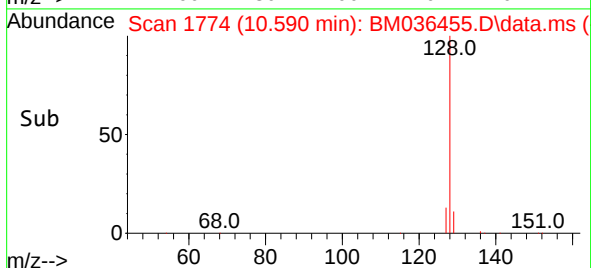
Tgt Ion: 88 Resp: 3745  
Ion Ratio Lower Upper  
88 100  
43 48.8 37.8 56.6  
58 64.5 42.6 63.8#

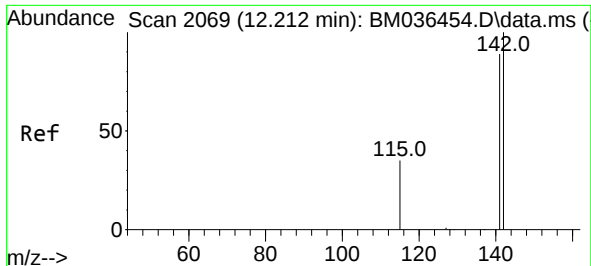


#5  
Naphthalene  
Concen: 0.771 ng/ul  
RT: 10.590 min Scan# 1774  
Delta R.T. 0.000 min  
Lab File: BM036455.D  
Acq: 29 Aug 2022 15:50



Tgt Ion: 128 Resp: 27097  
Ion Ratio Lower Upper  
128 100  
129 11.3 10.2 15.2  
127 13.2 11.7 17.5

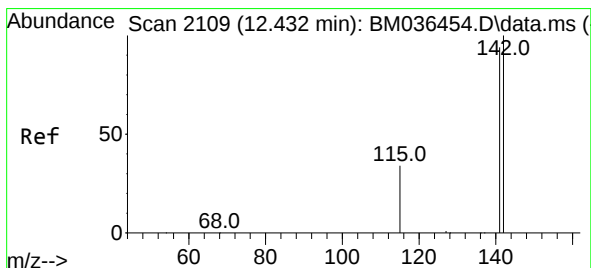
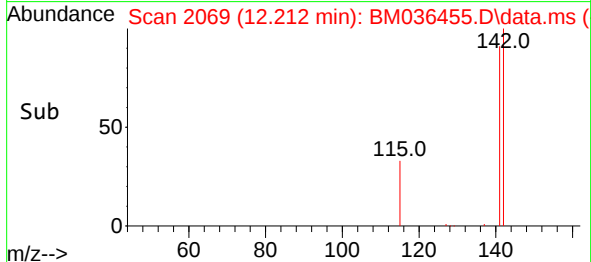
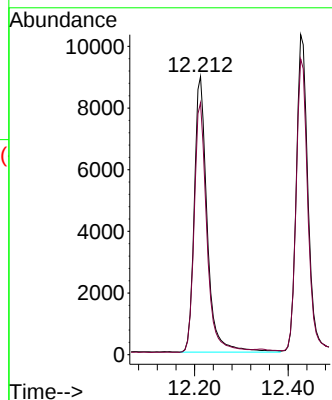
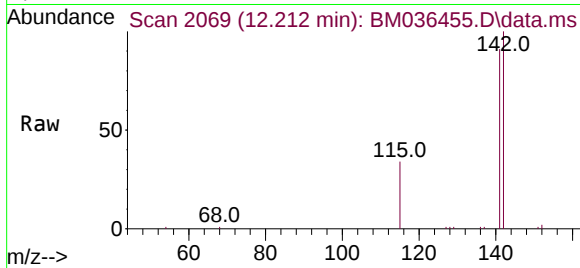




#7  
2-Methylnaphthalene  
Concen: 0.812 ng/ul  
RT: 12.212 min Scan# 2069  
Delta R.T. 0.000 min  
Lab File: BM036455.D  
Acq: 29 Aug 2022 15:50

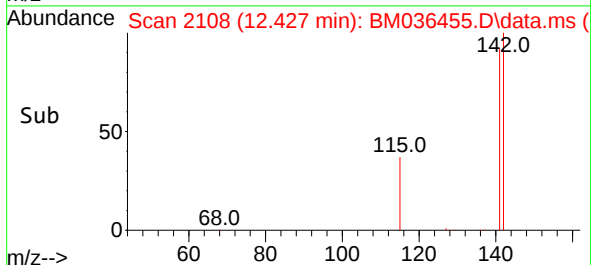
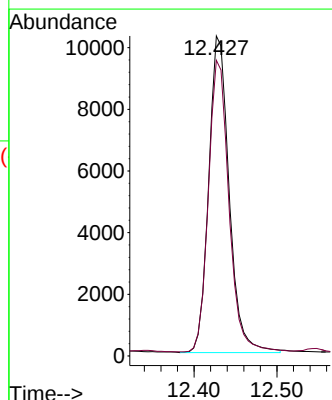
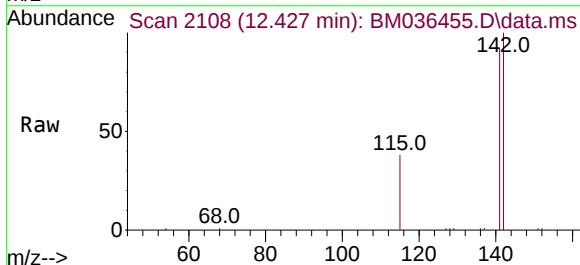
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.8018

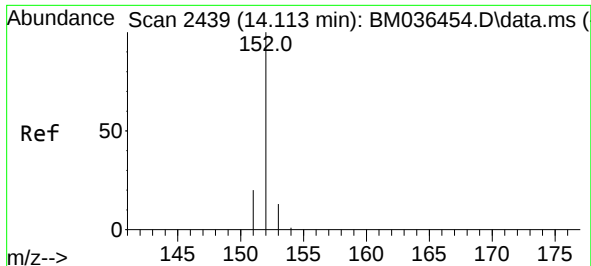
Tgt Ion:142 Resp: 17132  
Ion Ratio Lower Upper  
142 100  
141 91.3 77.4 116.0



#8  
1-Methylnaphthalene  
Concen: 0.825 ng/ul  
RT: 12.427 min Scan# 2108  
Delta R.T. -0.005 min  
Lab File: BM036455.D  
Acq: 29 Aug 2022 15:50

Tgt Ion:142 Resp: 17646  
Ion Ratio Lower Upper  
142 100  
141 92.5 74.1 111.1

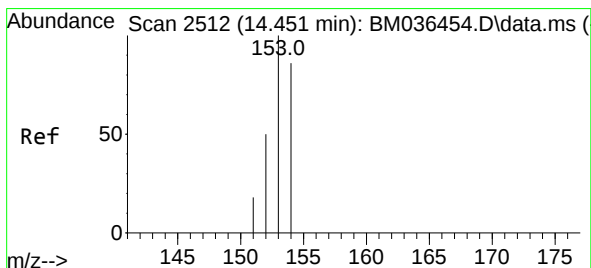
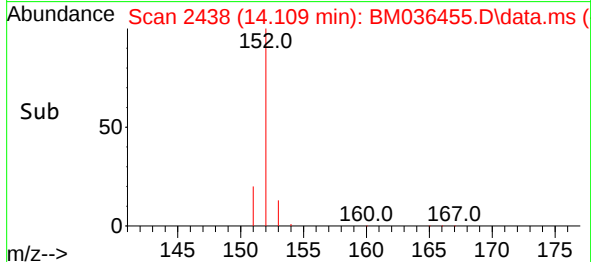
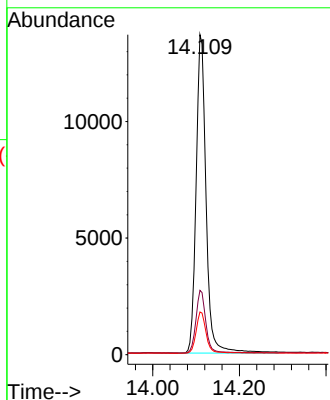
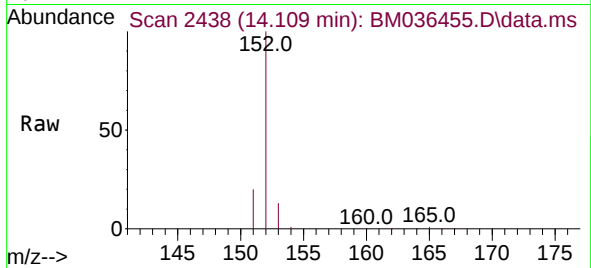




#10  
Acenaphthylene  
Concen: 0.745 ng/ul  
RT: 14.109 min Scan# 2439  
Delta R.T. -0.005 min  
Lab File: BM036455.D  
Acq: 29 Aug 2022 15:50

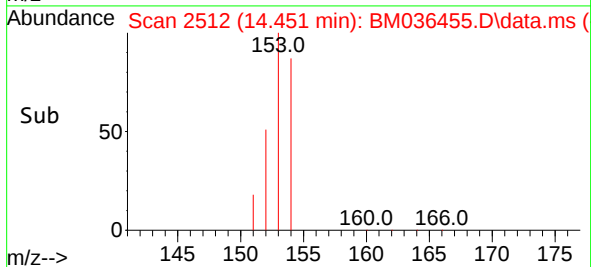
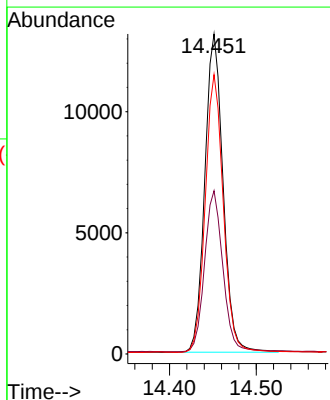
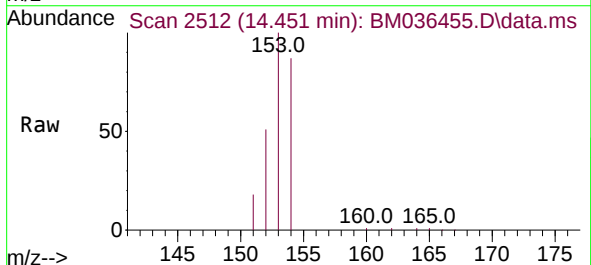
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ClientSampleId :  
SSTD0.8018

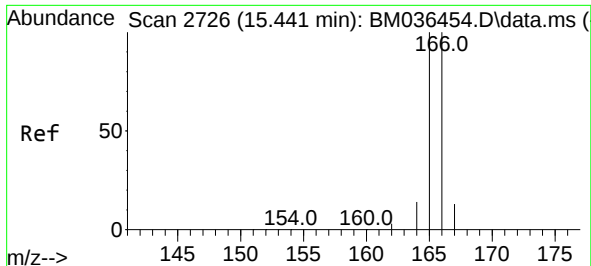
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 21891     |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 151         | 20.1  | 16.6 24.8 |
| 153         | 13.4  | 11.4 17.0 |



#11  
Acenaphthene  
Concen: 0.811 ng/ul  
RT: 14.451 min Scan# 2512  
Delta R.T. 0.000 min  
Lab File: BM036455.D  
Acq: 29 Aug 2022 15:50

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:153 | Resp: | 19244      |
| Ion Ratio   | Lower | Upper      |
| 153         | 100   |            |
| 152         | 51.0  | 40.2 60.4  |
| 154         | 87.3  | 69.7 104.5 |

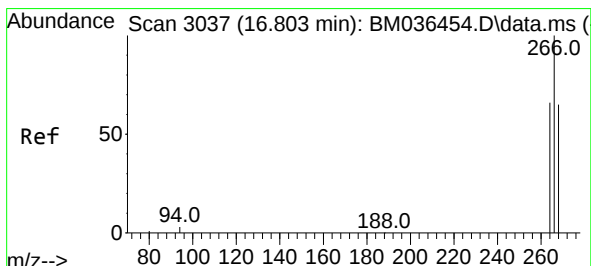
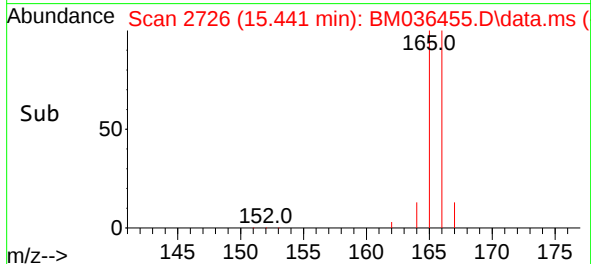
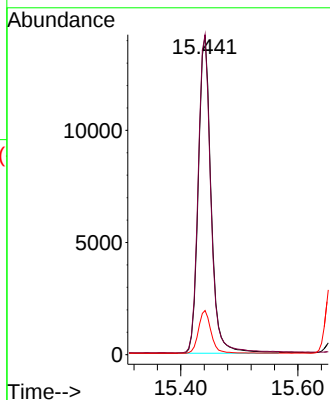
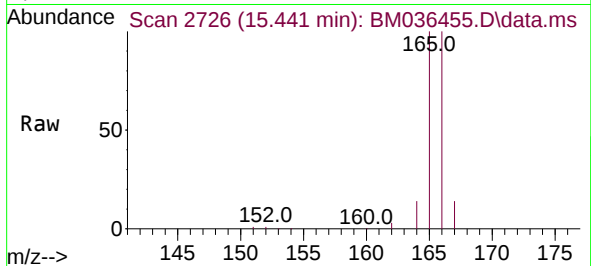




#12  
Fluorene  
Concen: 0.772 ng/ul  
RT: 15.441 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM036455.D  
Acq: 29 Aug 2022 15:50

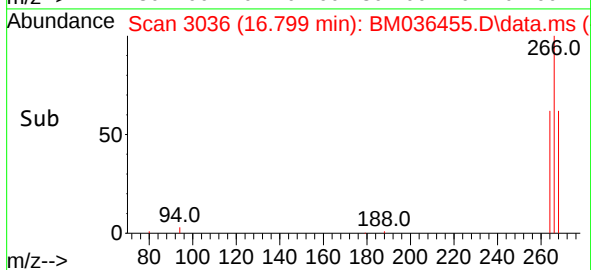
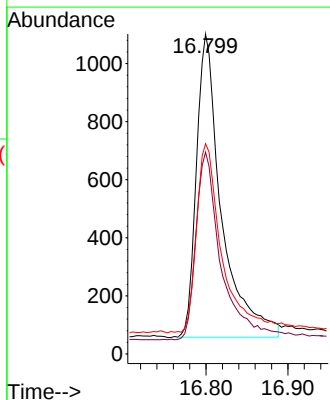
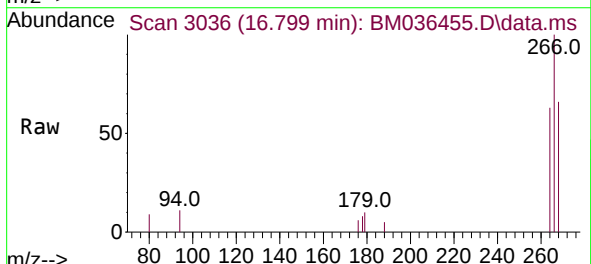
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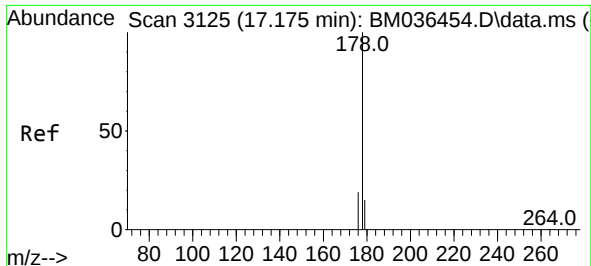
Tgt Ion:166 Resp: 21459  
Ion Ratio Lower Upper  
166 100  
165 100.2 78.9 118.3  
167 13.8 11.3 16.9



#14  
Pentachlorophenol  
Concen: 0.738 ng/ul  
RT: 16.799 min Scan# 3036  
Delta R.T. -0.004 min  
Lab File: BM036455.D  
Acq: 29 Aug 2022 15:50

Tgt Ion:266 Resp: 2220  
Ion Ratio Lower Upper  
266 100  
264 62.2 50.3 75.5  
268 62.9 53.5 80.3

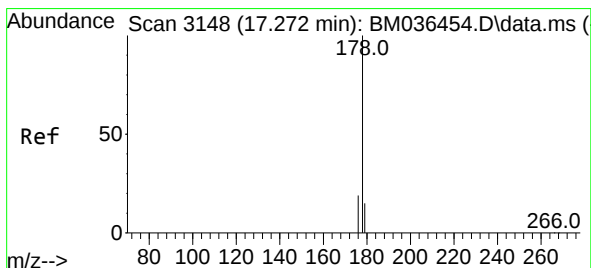
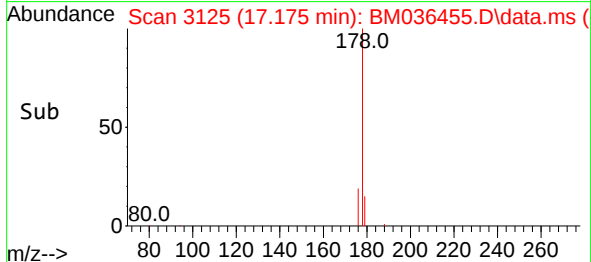
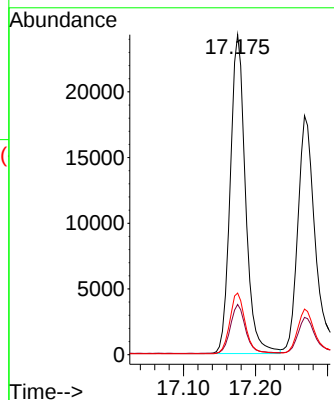
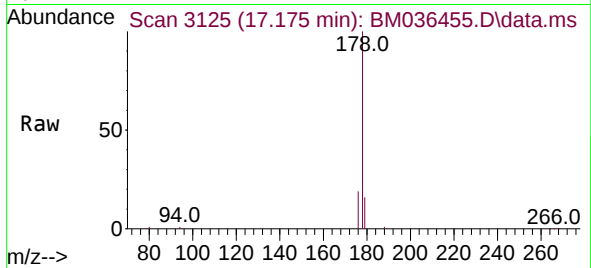




#15  
Phenanthrene  
Concen: 0.657 ng/ul  
RT: 17.175 min Scan# 3125  
Delta R.T. 0.000 min  
Lab File: BM036455.D  
Acq: 29 Aug 2022 15:50

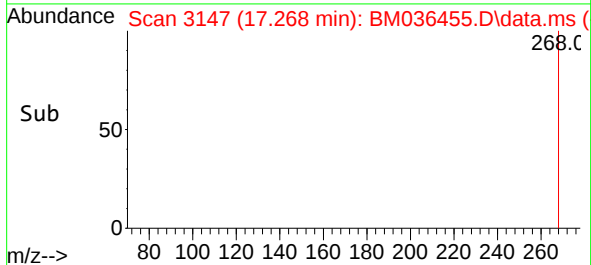
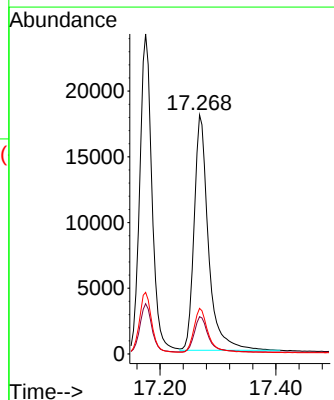
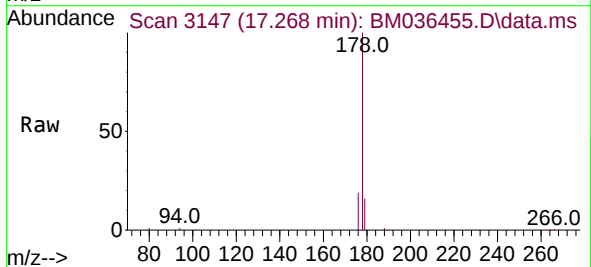
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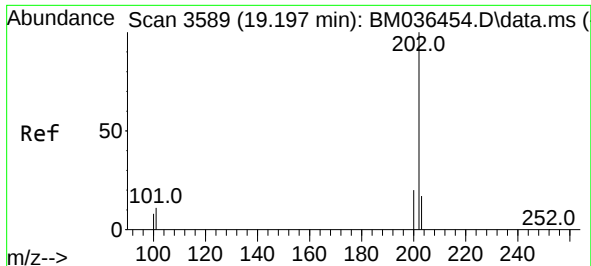
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| Tgt Ion:  | 178   | Resp: | 35655 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 15.7  | 13.0  | 19.6  |
| 176       | 19.3  | 15.6  | 23.4  |



#16  
Anthracene  
Concen: 0.711 ng/ul  
RT: 17.268 min Scan# 3147  
Delta R.T. -0.004 min  
Lab File: BM036455.D  
Acq: 29 Aug 2022 15:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 30696 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 15.6  | 13.6  | 20.4  |
| 176       | 19.1  | 15.6  | 23.4  |

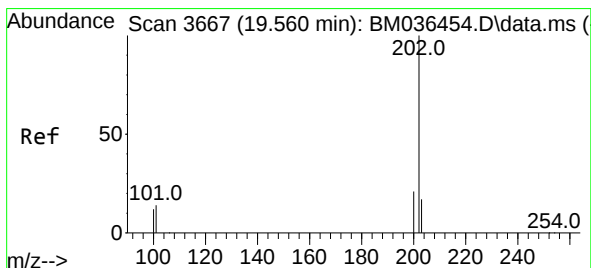
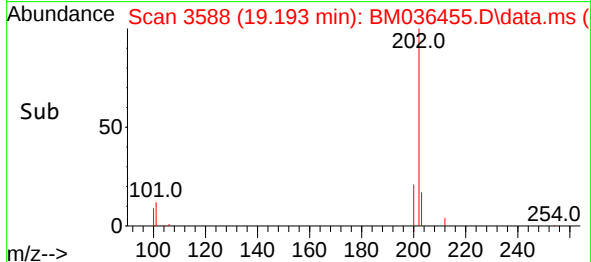
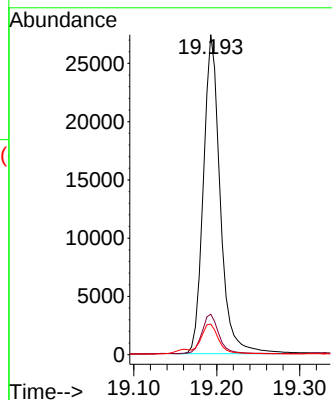
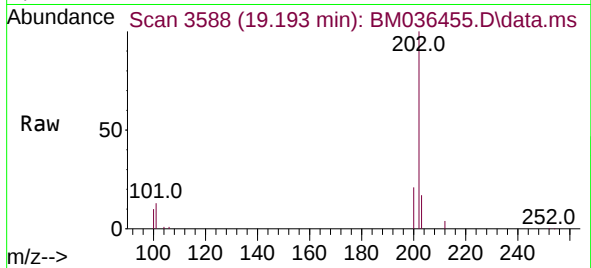




#19  
Fluoranthene  
Concen: 0.812 ng/u1  
RT: 19.193 min Scan# 3588  
Delta R.T. -0.005 min  
Lab File: BM036455.D  
Acq: 29 Aug 2022 15:50

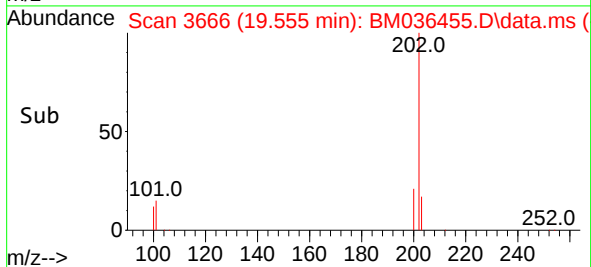
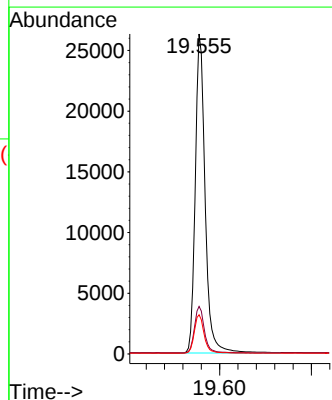
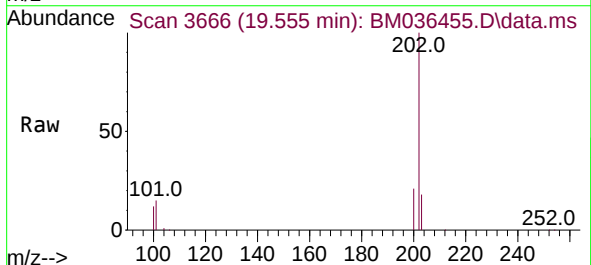
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.8018

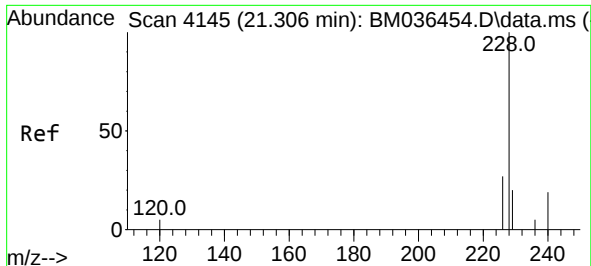
Tgt Ion:202 Resp: 38687  
Ion Ratio Lower Upper  
202 100  
101 12.7 10.1 15.1  
100 9.5 7.9 11.9



#20  
Pyrene  
Concen: 0.792 ng/u1  
RT: 19.555 min Scan# 3666  
Delta R.T. -0.005 min  
Lab File: BM036455.D  
Acq: 29 Aug 2022 15:50

Tgt Ion:202 Resp: 39211  
Ion Ratio Lower Upper  
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101 14.8 12.0 18.0  
100 12.2 9.8 14.6

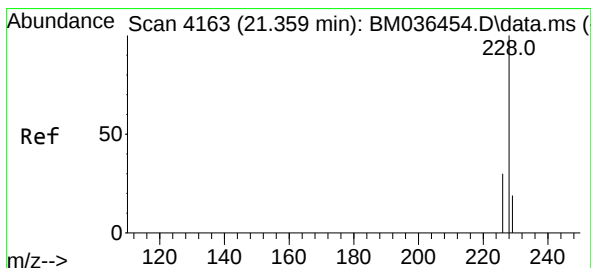
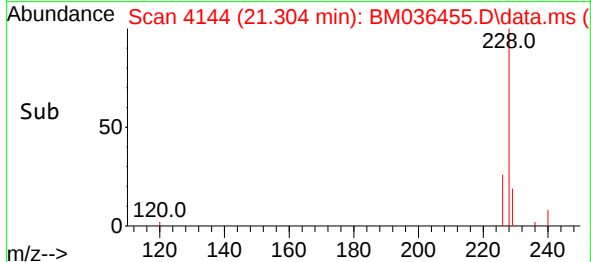
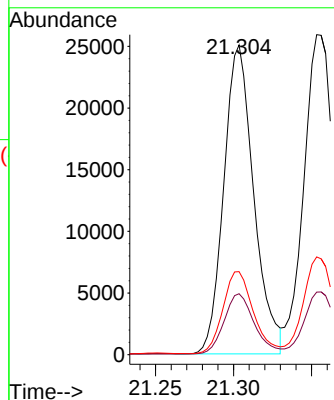
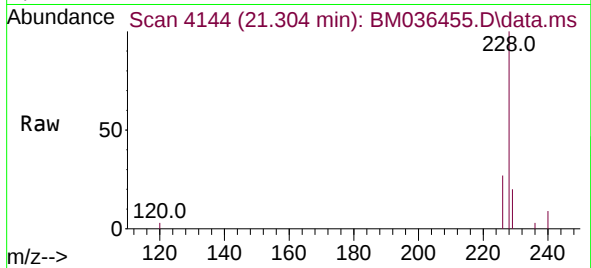




#21  
Benzo(a)anthracene  
Concen: 0.593 ng/u1  
RT: 21.304 min Scan# 4145  
Delta R.T. -0.003 min  
Lab File: BM036455.D  
Acq: 29 Aug 2022 15:50

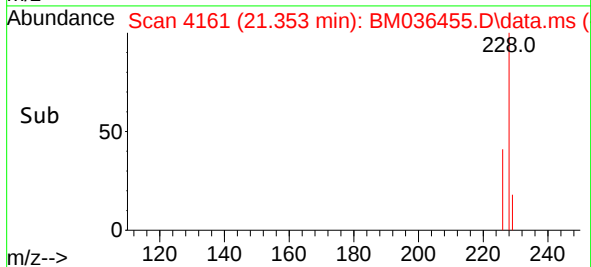
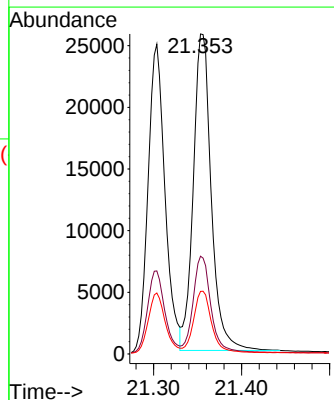
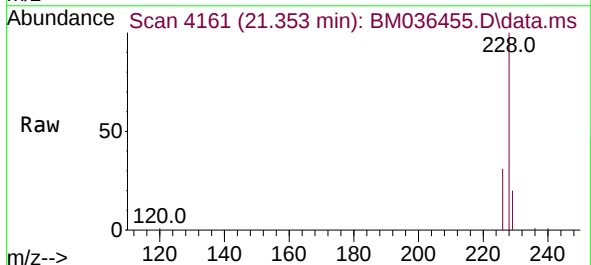
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.8018

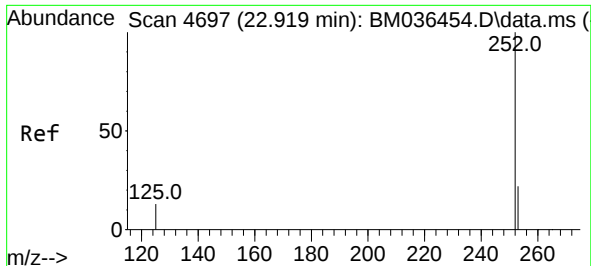
Tgt Ion:228 Resp: 33486  
Ion Ratio Lower Upper  
228 100  
229 19.7 16.2 24.2  
226 26.8 22.5 33.7



#22  
Chrysene  
Concen: 0.471 ng/u1  
RT: 21.353 min Scan# 4161  
Delta R.T. -0.006 min  
Lab File: BM036455.D  
Acq: 29 Aug 2022 15:50

Tgt Ion:228 Resp: 36551  
Ion Ratio Lower Upper  
228 100  
226 30.5 24.6 37.0  
229 19.6 16.4 24.6

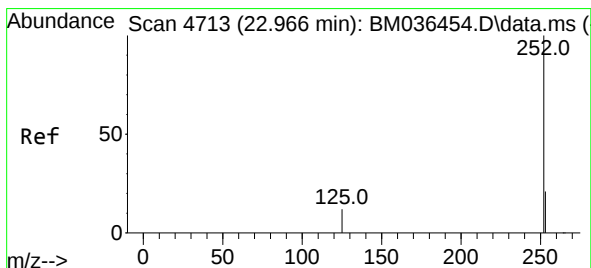
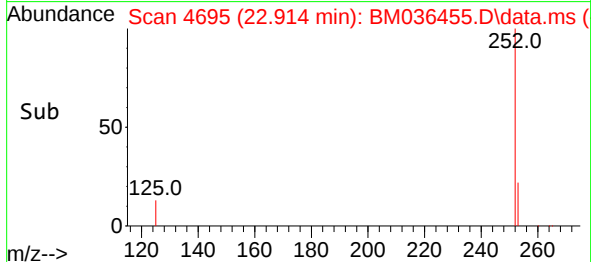
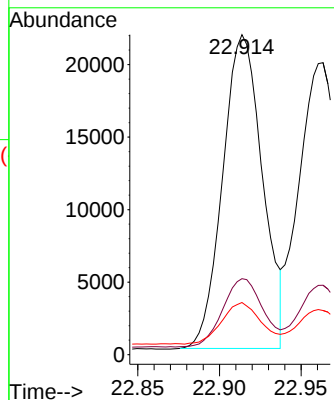
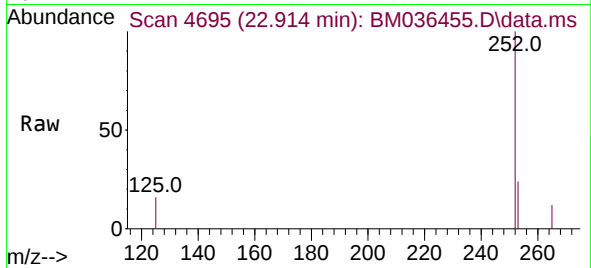




#24  
Benzo(b)fluoranthene  
Concen: 0.444 ng/ul  
RT: 22.914 min Scan# 4695  
Delta R.T. -0.006 min  
Lab File: BM036455.D  
Acq: 29 Aug 2022 15:50

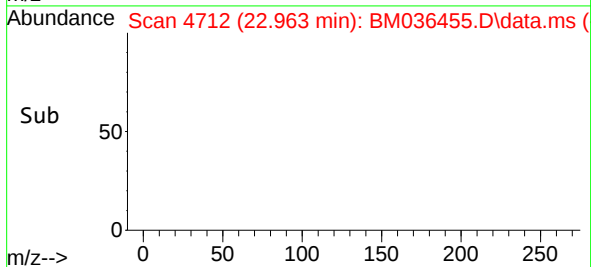
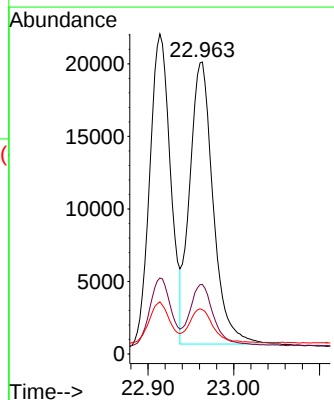
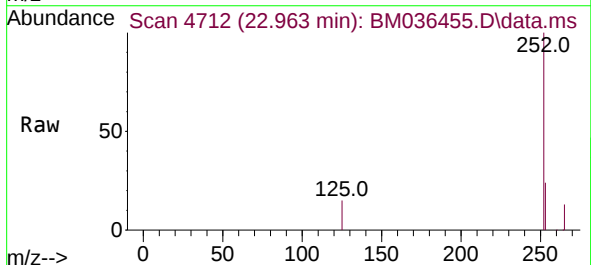
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.8018

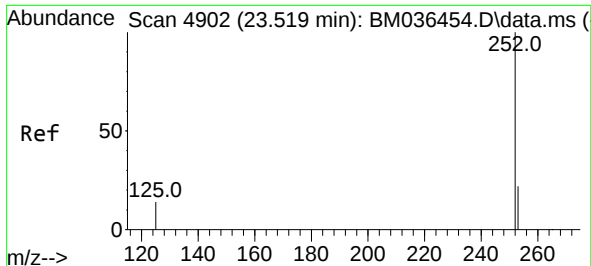
Tgt Ion:252 Resp: 36662  
Ion Ratio Lower Upper  
252 100  
253 23.7 0.0 61.4  
125 16.3 0.0 42.6



#25  
Benzo(k)fluoranthene  
Concen: 0.445 ng/ul  
RT: 22.963 min Scan# 4712  
Delta R.T. -0.003 min  
Lab File: BM036455.D  
Acq: 29 Aug 2022 15:50

Tgt Ion:252 Resp: 37006  
Ion Ratio Lower Upper  
252 100  
253 23.8 25.2 37.8#  
125 15.1 18.3 27.5#

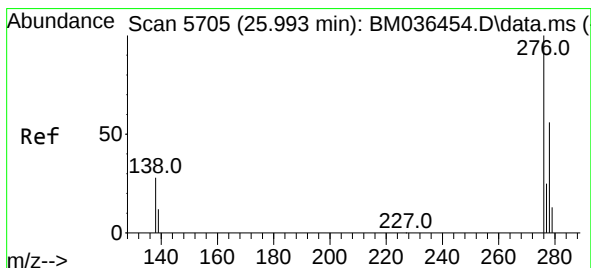
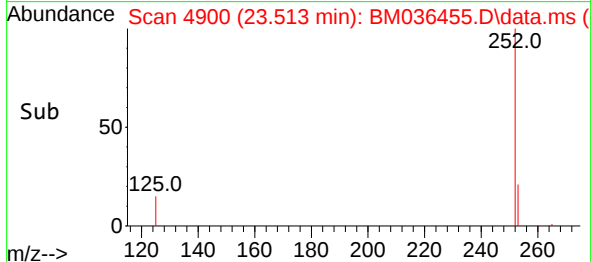
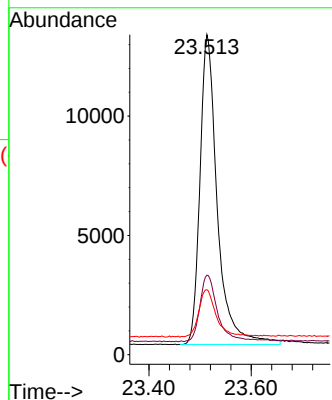
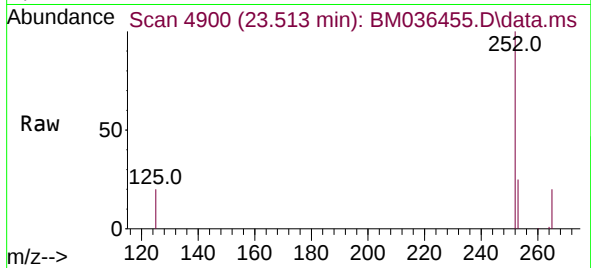




#26  
Benzo(a)pyrene  
Concen: 0.585 ng/ul  
RT: 23.513 min Scan# 4902  
Delta R.T. -0.006 min  
Lab File: BM036455.D  
Acq: 29 Aug 2022 15:50

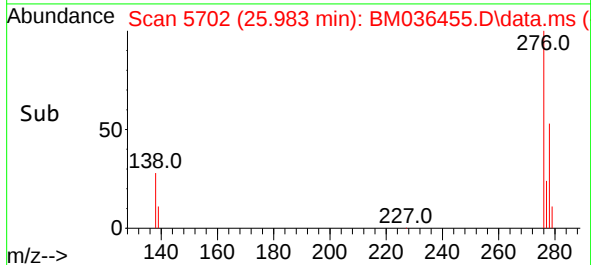
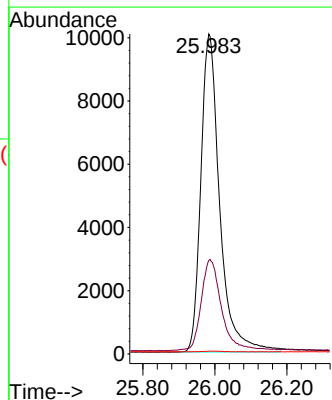
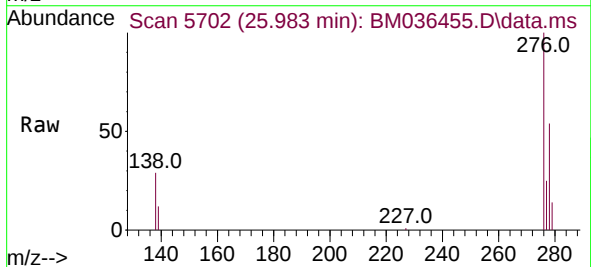
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.8018

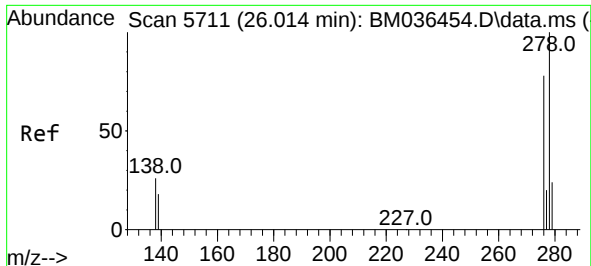
Tgt Ion:252 Resp: 30552  
Ion Ratio Lower Upper  
252 100  
253 24.8 29.7 44.5#  
125 20.3 23.6 35.4#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.926 ng/ul  
RT: 25.983 min Scan# 5702  
Delta R.T. -0.010 min  
Lab File: BM036455.D  
Acq: 29 Aug 2022 15:50

Tgt Ion:276 Resp: 36566  
Ion Ratio Lower Upper  
276 100  
138 31.0 23.9 35.9  
227 0.2 0.1 0.1#

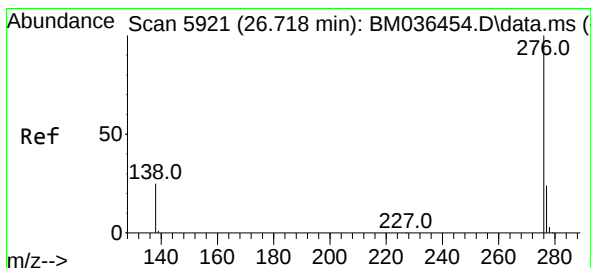
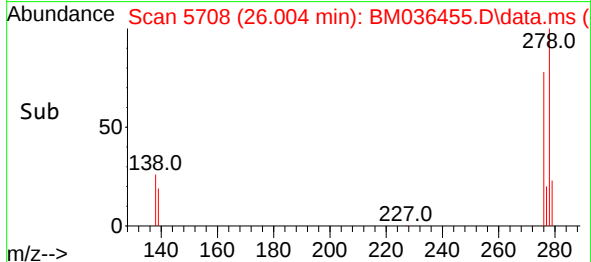
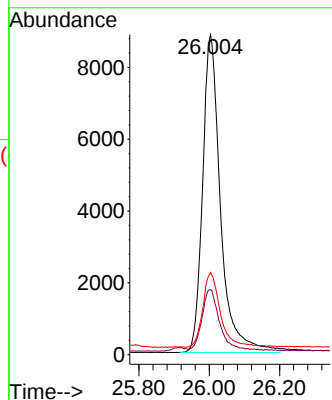
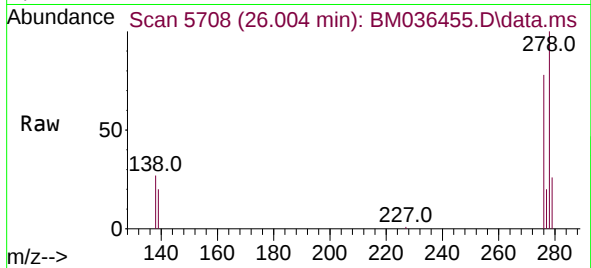




#28  
Dibenzo(a,h)anthracene  
Concen: 0.937 ng/ul  
RT: 26.004 min Scan# 51  
Delta R.T. -0.010 min  
Lab File: BM036455.D  
Acq: 29 Aug 2022 15:50

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.8018

Tgt Ion:278 Resp: 31359  
Ion Ratio Lower Upper  
278 100  
139 20.3 19.8 29.6  
279 25.7 27.7 41.5#



#29  
Benzo(g,h,i)perylene  
Concen: 0.950 ng/ul  
RT: 26.711 min Scan# 5919  
Delta R.T. -0.007 min  
Lab File: BM036455.D  
Acq: 29 Aug 2022 15:50

Tgt Ion:276 Resp: 33921  
Ion Ratio Lower Upper  
276 100  
138 27.5 23.4 35.0  
277 24.3 21.0 31.4

