

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111921\  
 Data File : BM033177.D  
 Acq On : 19 Nov 2021 15:53  
 Operator : CG/JU  
 Sample : SSTDICV0.4  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Nov 19 16:29:20 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM111921.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 19 15:41:12 2021  
 Response via : Initial Calibration

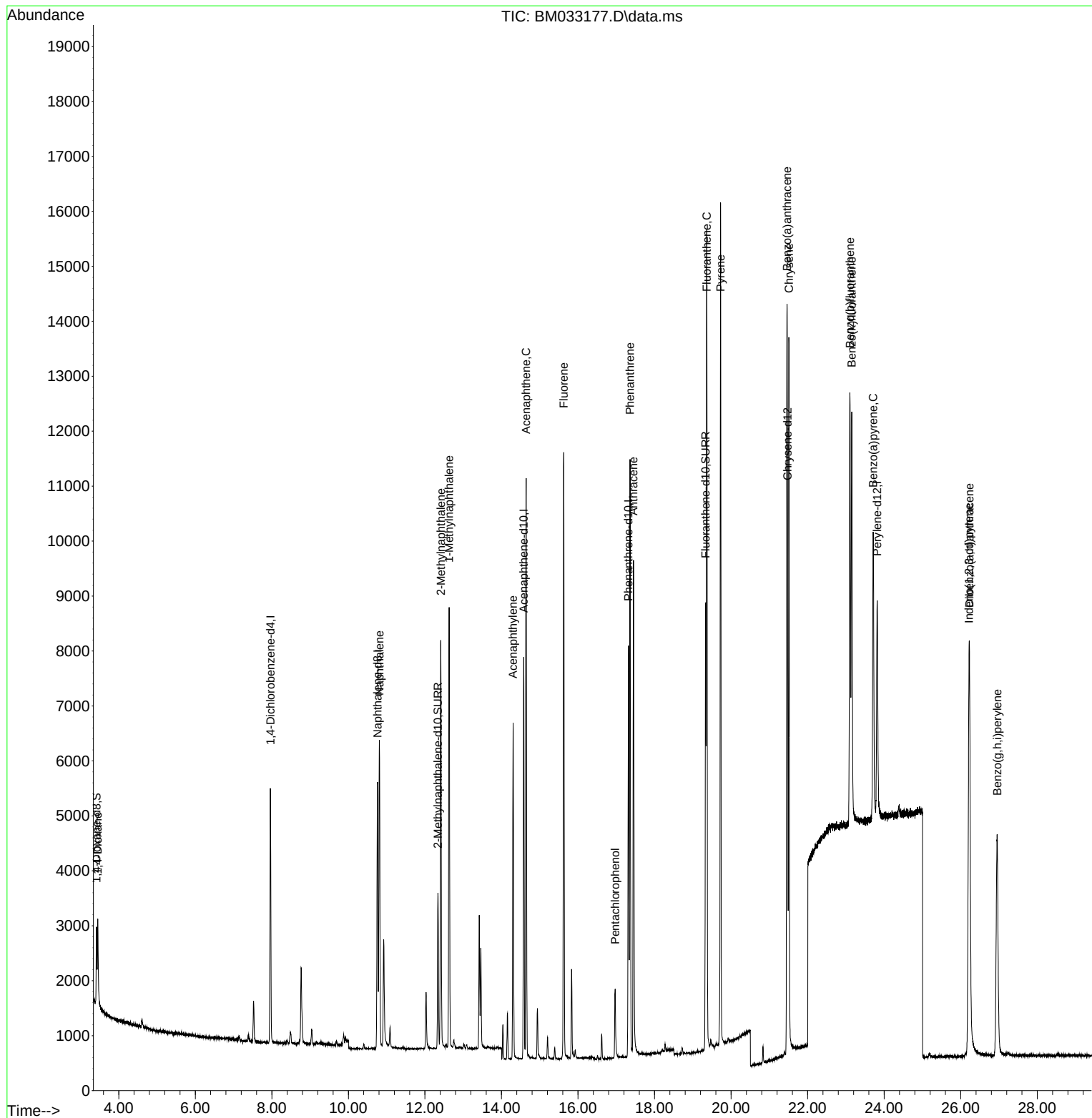
| Compound                    | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| -----                       |        |      |          |       |         |          |
| Internal Standards          |        |      |          |       |         |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.963  | 152  | 2416     | 0.400 | ng/ul   | 0.00     |
| 4) Naphthalene-d8           | 10.760 | 136  | 6637     | 0.400 | ng/ul # | 0.00     |
| 9) Acenaphthene-d10         | 14.580 | 164  | 4014     | 0.400 | ng/ul   | 0.00     |
| 13) Phenanthrene-d10        | 17.316 | 188  | 8888     | 0.400 | ng/ul   | 0.00     |
| 17) Chrysene-d12            | 21.475 | 240  | 7616     | 0.400 | ng/ul   | 0.00     |
| 23) Perylene-d12            | 23.817 | 264  | 5852     | 0.400 | ng/ul # | 0.00     |
|                             |        |      |          |       |         |          |
| System Monitoring Compounds |        |      |          |       |         |          |
| 3) 1,4-Dioxane-d8           | 3.417  | 96   | 901      | 0.397 | ng/ul   | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.339 | 152  | 3766     | 0.409 | ng/ul   | 0.00     |
| 18) Fluoranthene-d10        | 19.334 | 212  | 8863     | 0.402 | ng/ul   | 0.00     |
|                             |        |      |          |       |         |          |
| Target Compounds            |        |      |          |       |         |          |
|                             |        |      |          |       |         | Qvalue   |
| 2) 1,4-Dioxane              | 3.451  | 88   | 1018     | 0.398 | ng/ul#  | 92       |
| 5) Naphthalene              | 10.810 | 128  | 8101     | 0.394 | ng/ul   | 99       |
| 7) 2-Methylnaphthalene      | 12.415 | 142  | 5408     | 0.406 | ng/ul   | 98       |
| 8) 1-Methylnaphthalene      | 12.631 | 142  | 5436     | 0.413 | ng/ul   | 99       |
| 10) Acenaphthylene          | 14.303 | 152  | 7337     | 0.391 | ng/ul#  | 100      |
| 11) Acenaphthene            | 14.644 | 153  | 6116     | 0.397 | ng/ul   | 98       |
| 12) Fluorene                | 15.626 | 166  | 7141     | 0.411 | ng/ul   | 97       |
| 14) Pentachlorophenol       | 16.969 | 266  | 1039     | 0.350 | ng/ul   | 97       |
| 15) Phenanthrene            | 17.358 | 178  | 11692    | 0.363 | ng/ul   | 99       |
| 16) Anthracene              | 17.448 | 178  | 10164    | 0.390 | ng/ul   | 99       |
| 19) Fluoranthene            | 19.365 | 202  | 13506    | 0.368 | ng/ul   | 97       |
| 20) Pyrene                  | 19.723 | 202  | 13419    | 0.369 | ng/ul   | 97       |
| 21) Benzo(a)anthracene      | 21.458 | 228  | 10650    | 0.392 | ng/ul   | 99       |
| 22) Chrysene                | 21.509 | 228  | 11675    | 0.390 | ng/ul   | 99       |
| 24) Benzo(b)fluoranthene    | 23.103 | 252  | 11040    | 0.417 | ng/ul   | 98       |
| 25) Benzo(k)fluoranthene    | 23.153 | 252  | 10828    | 0.414 | ng/ul   | 98       |
| 26) Benzo(a)pyrene          | 23.711 | 252  | 8686     | 0.396 | ng/ul   | 98       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.213 | 276  | 10792    | 0.390 | ng/ul#  | 90       |
| 28) Dibenzo(a,h)anthracene  | 26.228 | 278  | 8492     | 0.384 | ng/ul   | 95       |
| 29) Benzo(g,h,i)perylene    | 26.955 | 276  | 9528     | 0.383 | ng/ul   | 94       |
| -----                       |        |      |          |       |         |          |

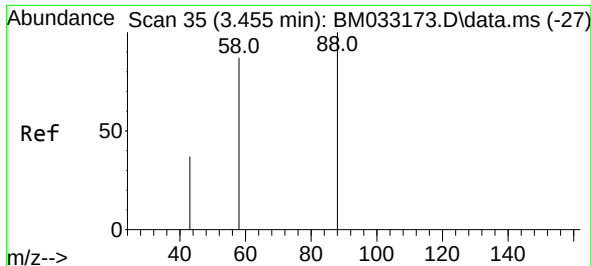
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111921\  
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Sample : SSTDICV0.4  
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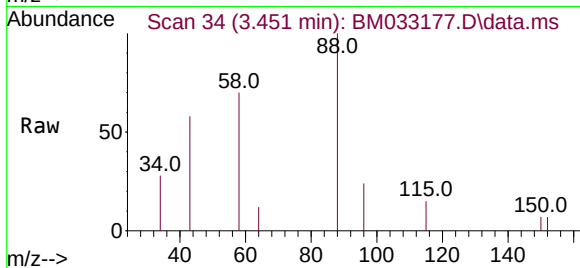
Quant Time: Nov 19 16:29:20 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM111921.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 19 15:41:12 2021  
Response via : Initial Calibration



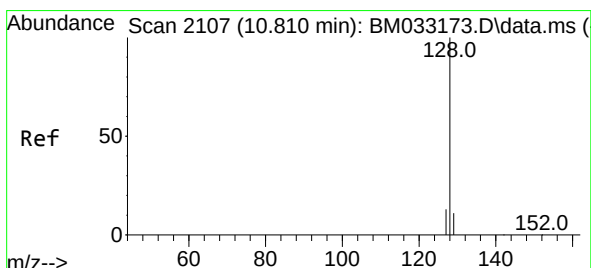
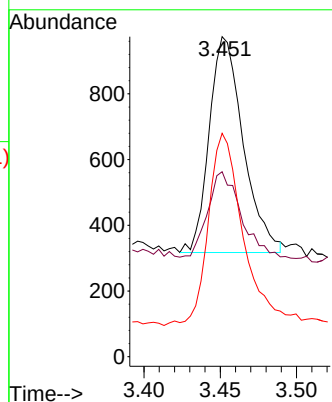
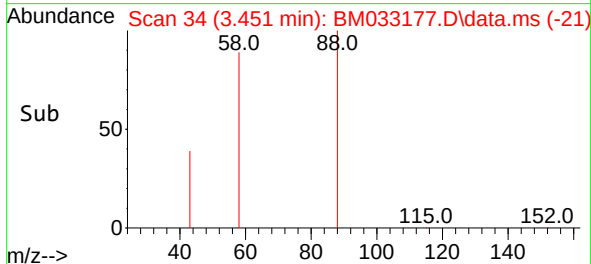


#2  
1,4-Dioxane  
Concen: 0.398 ng/ul  
RT: 3.451 min Scan# 34  
Delta R.T. -0.003 min  
Lab File: BM033177.D  
Acq: 19 Nov 2021 15:53

Instrument :  
BNA\_M  
ClientSampleId :

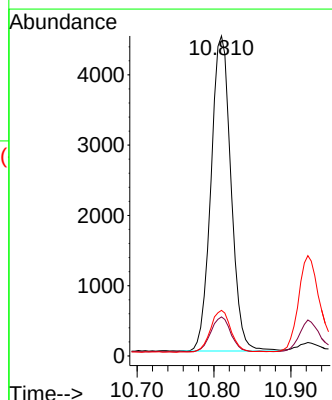
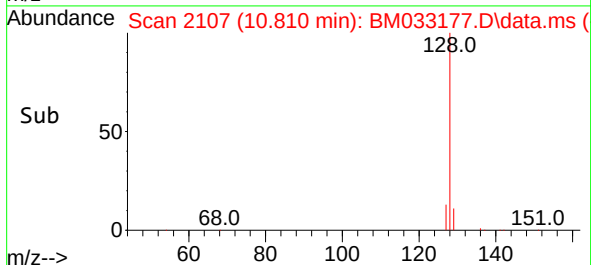
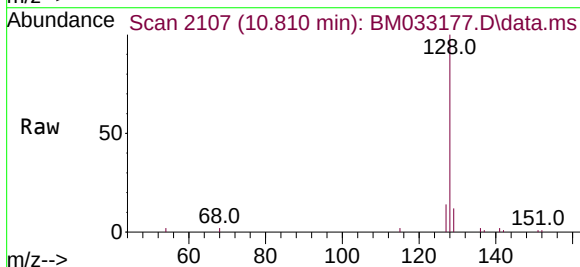


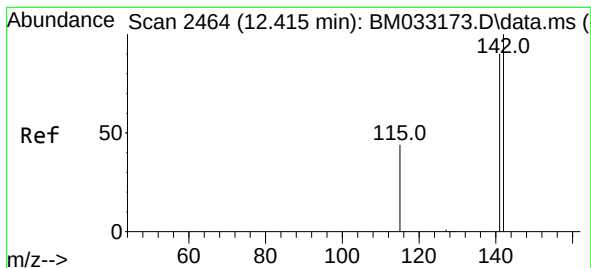
Tgt Ion: 88 Resp: 1018  
Ion Ratio Lower Upper  
88 100  
43 57.8 35.8 53.8#  
58 69.8 55.8 83.8



#5  
Naphthalene  
Concen: 0.394 ng/ul  
RT: 10.810 min Scan# 2107  
Delta R.T. 0.000 min  
Lab File: BM033177.D  
Acq: 19 Nov 2021 15:53

Tgt Ion: 128 Resp: 8101  
Ion Ratio Lower Upper  
128 100  
129 12.2 9.8 14.6  
127 14.3 11.8 17.8

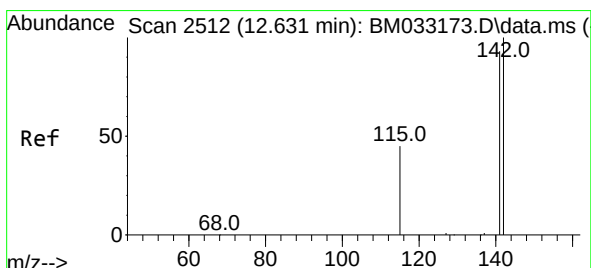
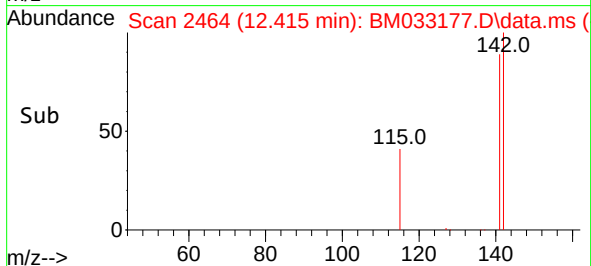
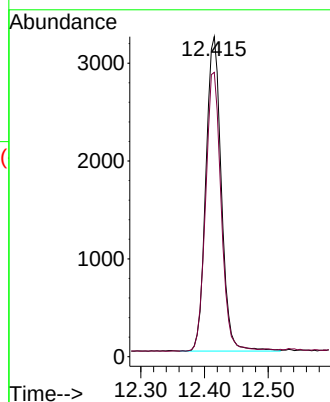
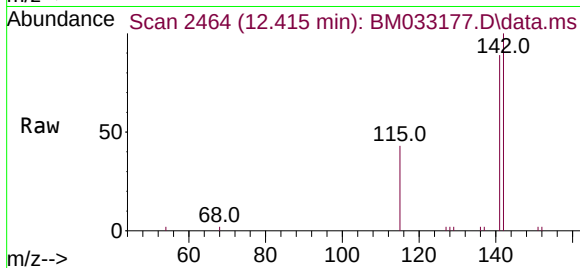




#7  
2-Methylnaphthalene  
Concen: 0.406 ng/ul  
RT: 12.415 min Scan# 2464  
Delta R.T. 0.000 min  
Lab File: BM033177.D  
Acq: 19 Nov 2021 15:53

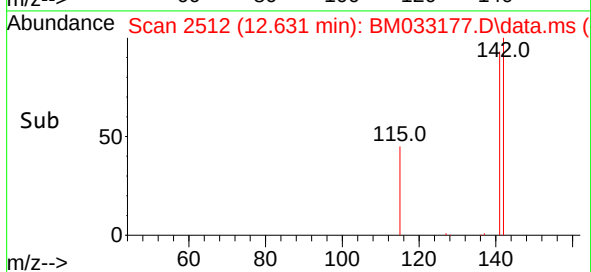
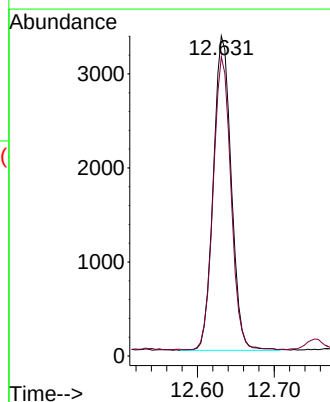
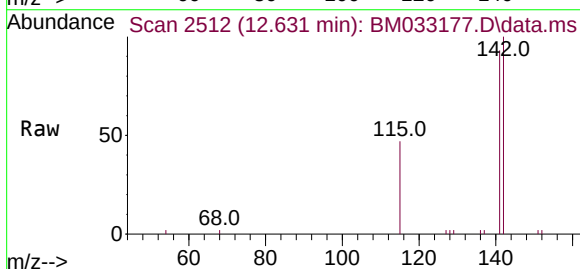
Instrument :  
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ClientSampleId :

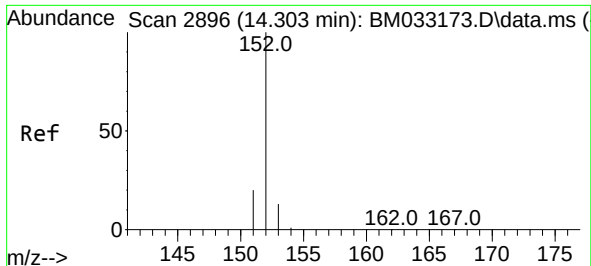
Tgt Ion:142 Resp: 5408  
Ion Ratio Lower Upper  
142 100  
141 89.4 73.3 109.9



#8  
1-Methylnaphthalene  
Concen: 0.413 ng/ul  
RT: 12.631 min Scan# 2512  
Delta R.T. 0.000 min  
Lab File: BM033177.D  
Acq: 19 Nov 2021 15:53

Tgt Ion:142 Resp: 5436  
Ion Ratio Lower Upper  
142 100  
141 92.0 74.5 111.7

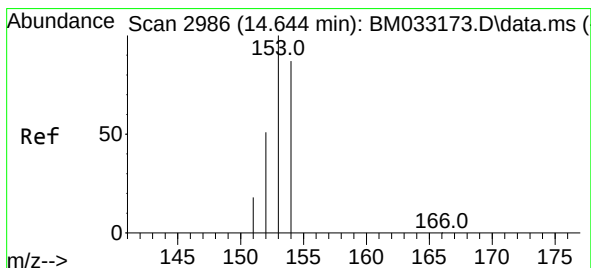
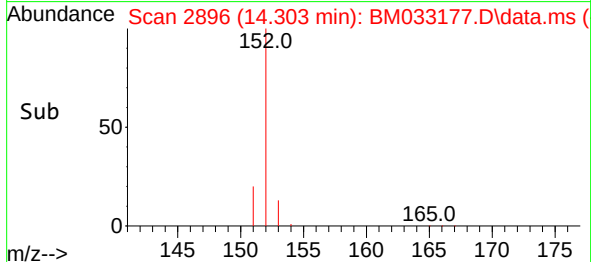
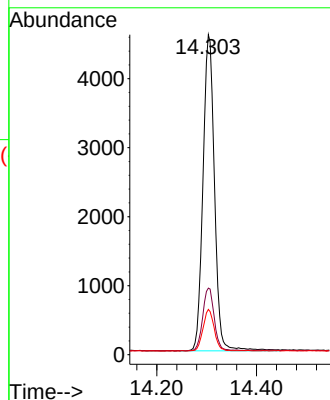
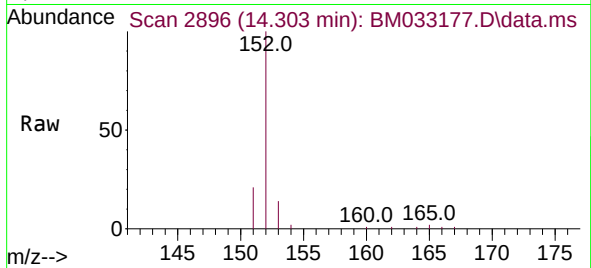




#10  
Acenaphthylene  
Concen: 0.391 ng/ul  
RT: 14.303 min Scan# 2896  
Delta R.T. 0.000 min  
Lab File: BM033177.D  
Acq: 19 Nov 2021 15:53

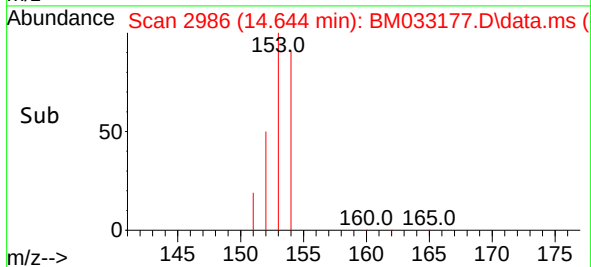
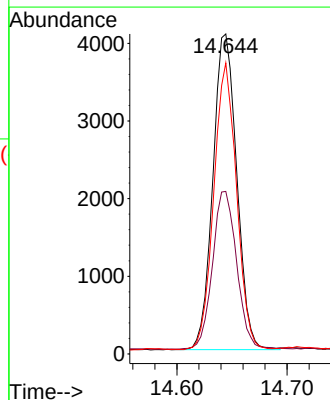
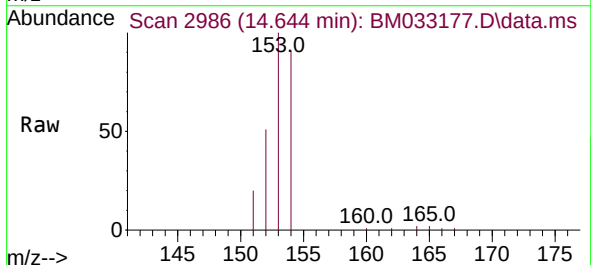
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BNA\_M  
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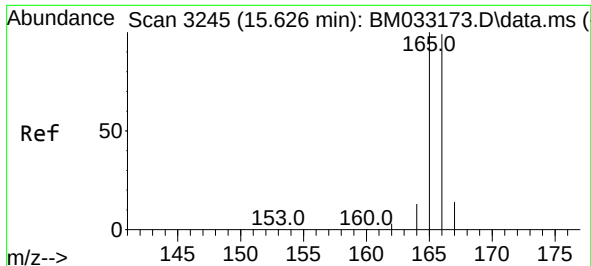
Tgt Ion:152 Resp: 7337  
Ion Ratio Lower Upper  
152 100  
151 20.8 16.7 25.1  
153 14.1 0.0 0.0#



#11  
Acenaphthene  
Concen: 0.397 ng/ul  
RT: 14.644 min Scan# 2986  
Delta R.T. 0.000 min  
Lab File: BM033177.D  
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Tgt Ion:153 Resp: 6116  
Ion Ratio Lower Upper  
153 100  
152 50.8 40.6 60.8  
154 90.9 70.8 106.2

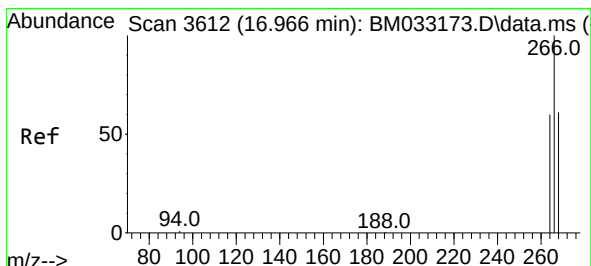
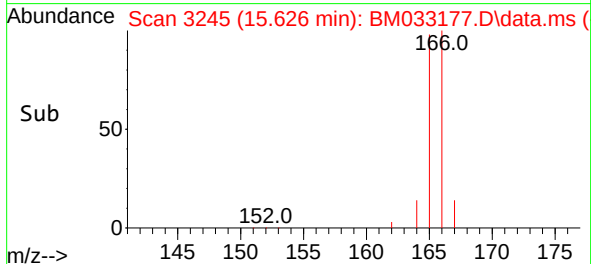
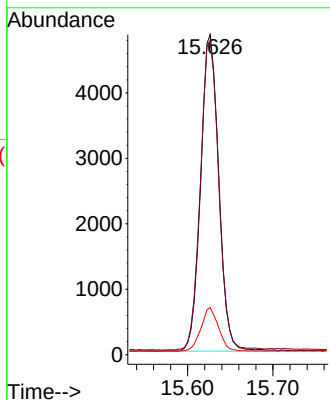
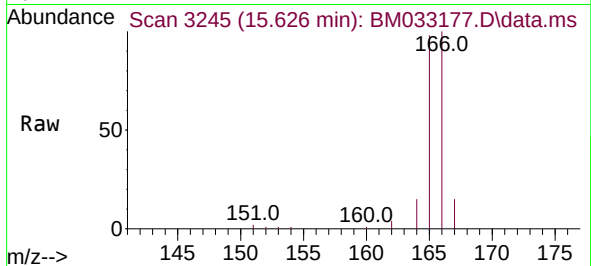




#12  
Fluorene  
Concen: 0.411 ng/ul  
RT: 15.626 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BM033177.D  
Acq: 19 Nov 2021 15:53

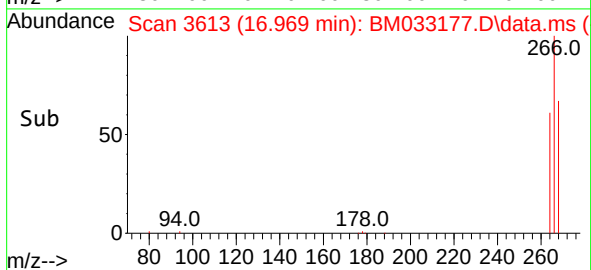
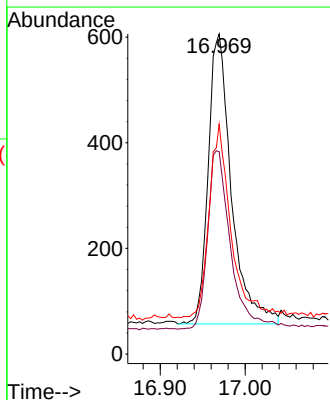
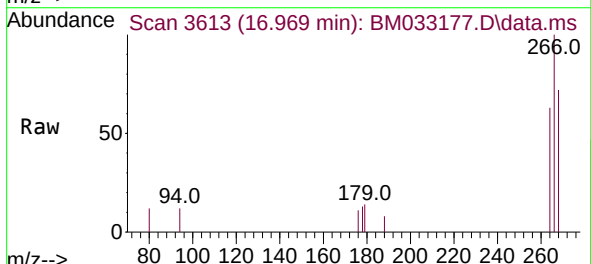
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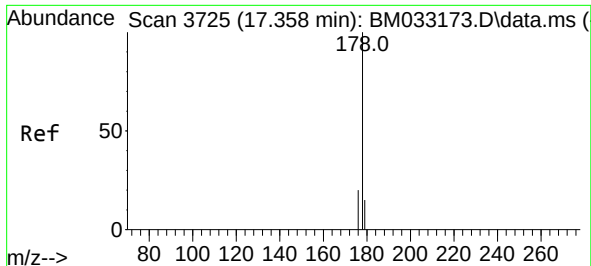
Tgt Ion:166 Resp: 7141  
Ion Ratio Lower Upper  
166 100  
165 98.0 80.8 121.2  
167 14.8 11.7 17.5



#14  
Pentachlorophenol  
Concen: 0.350 ng/ul  
RT: 16.969 min Scan# 3613  
Delta R.T. 0.004 min  
Lab File: BM033177.D  
Acq: 19 Nov 2021 15:53

Tgt Ion:266 Resp: 1039  
Ion Ratio Lower Upper  
266 100  
264 61.6 51.2 76.8  
268 63.4 52.9 79.3

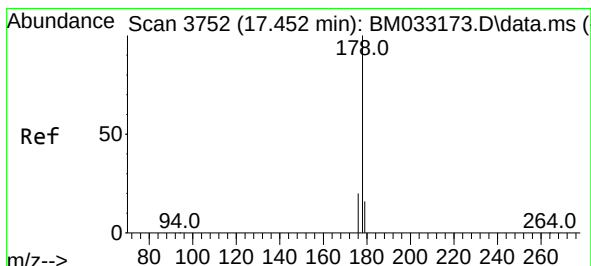
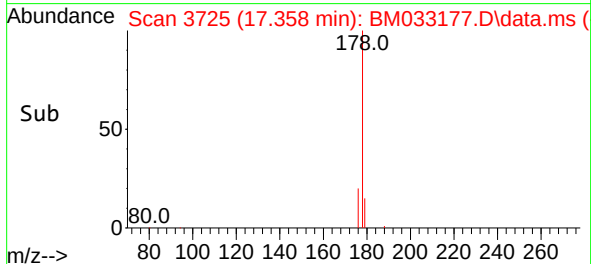
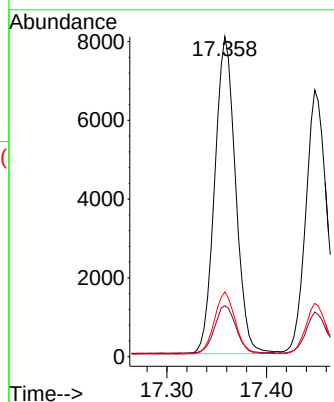
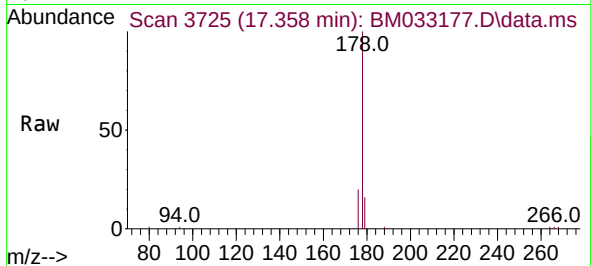




#15  
Phenanthrene  
Concen: 0.363 ng/u1  
RT: 17.358 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BM033177.D  
Acq: 19 Nov 2021 15:53

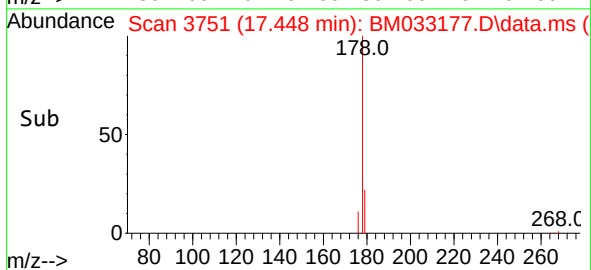
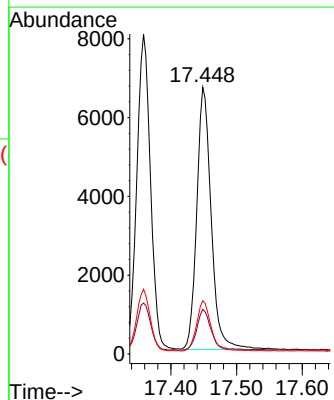
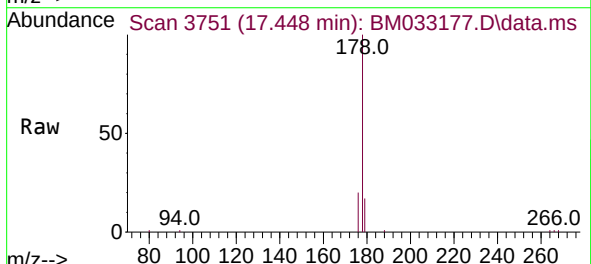
Instrument :  
BNA\_M  
ClientSampleId :

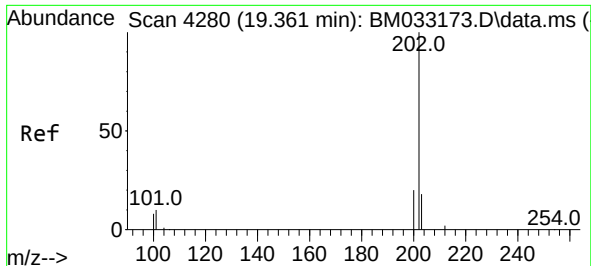
Tgt Ion:178 Resp: 11692  
Ion Ratio Lower Upper  
178 100  
179 15.9 12.9 19.3  
176 20.3 16.0 24.0



#16  
Anthracene  
Concen: 0.390 ng/u1  
RT: 17.448 min Scan# 3751  
Delta R.T. -0.003 min  
Lab File: BM033177.D  
Acq: 19 Nov 2021 15:53

Tgt Ion:178 Resp: 10164  
Ion Ratio Lower Upper  
178 100  
179 16.7 13.0 19.6  
176 20.0 15.6 23.4

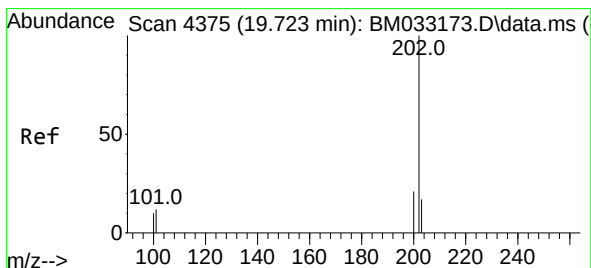
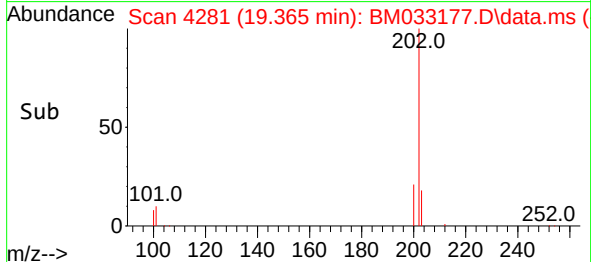
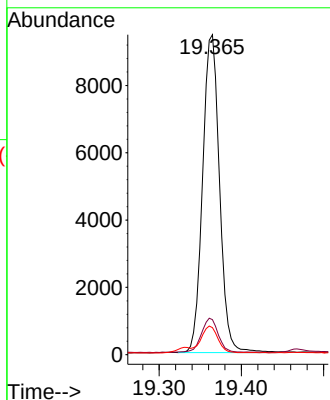
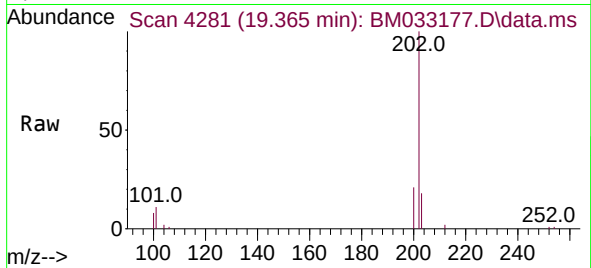




#19  
Fluoranthene  
Concen: 0.368 ng/ul  
RT: 19.365 min Scan# 4281  
Delta R.T. 0.004 min  
Lab File: BM033177.D  
Acq: 19 Nov 2021 15:53

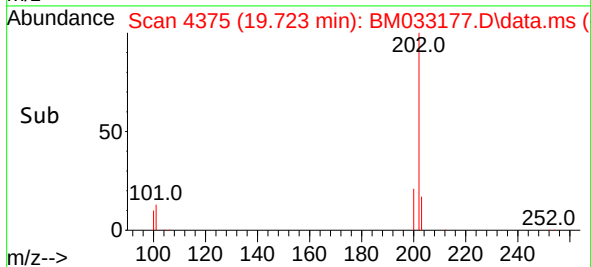
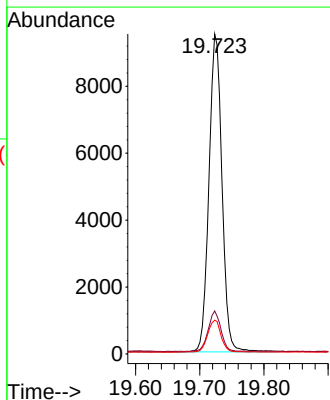
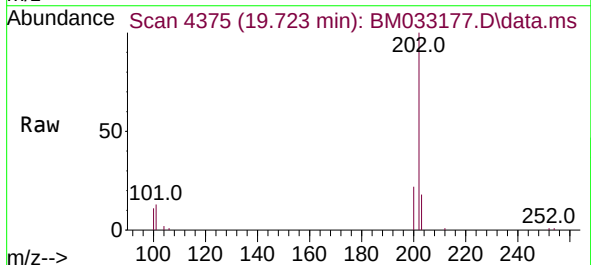
Instrument :  
BNA\_M  
ClientSampleId :

Tgt Ion:202 Resp: 13506  
Ion Ratio Lower Upper  
202 100  
101 11.0 9.9 14.9  
100 8.5 7.3 10.9

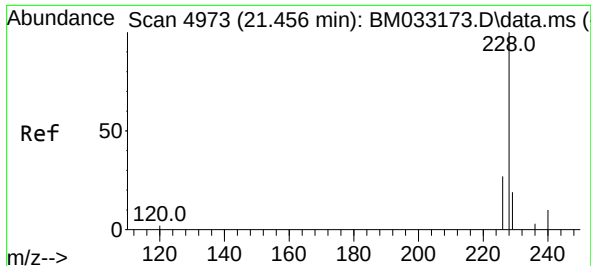


#20  
Pyrene  
Concen: 0.369 ng/ul  
RT: 19.723 min Scan# 4375  
Delta R.T. -0.000 min  
Lab File: BM033177.D  
Acq: 19 Nov 2021 15:53

Tgt Ion:202 Resp: 13419  
Ion Ratio Lower Upper  
202 100  
101 13.4 11.8 17.6  
100 10.6 9.5 14.3



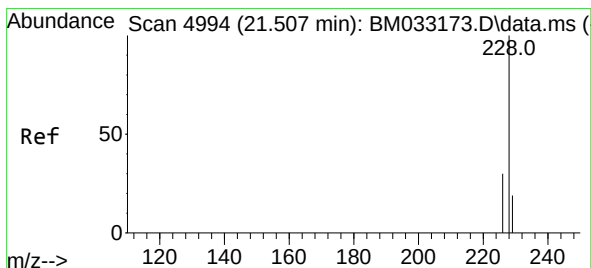
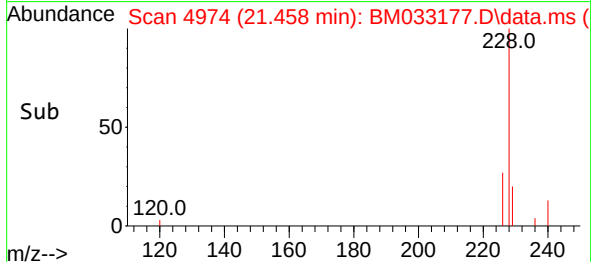
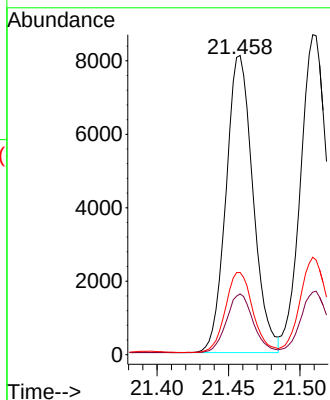
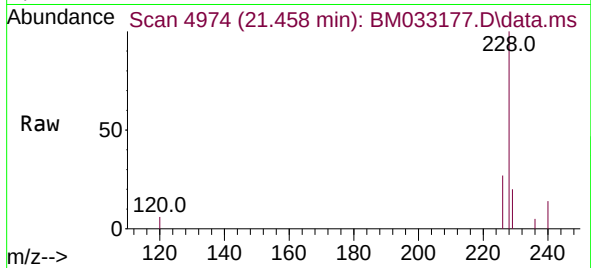




#21  
Benzo(a)anthracene  
Concen: 0.392 ng/u1  
RT: 21.458 min Scan# 4973  
Delta R.T. 0.002 min  
Lab File: BM033177.D  
Acq: 19 Nov 2021 15:53

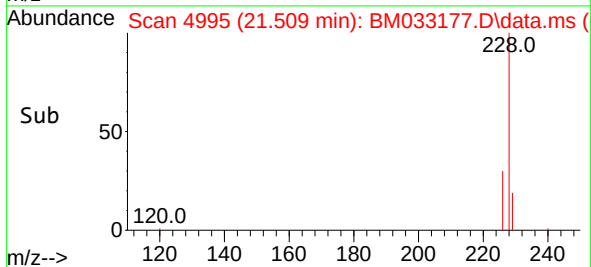
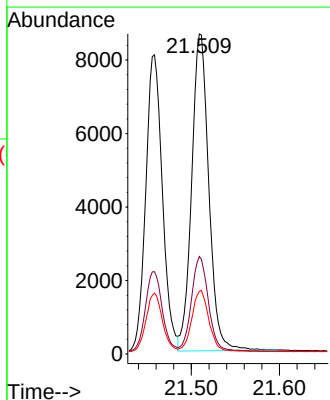
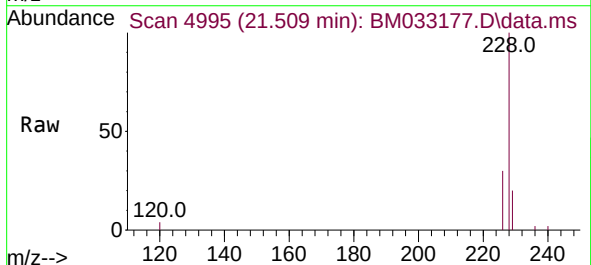
Instrument :  
BNA\_M  
ClientSampleId :

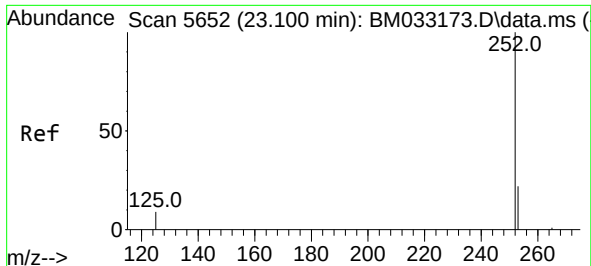
Tgt Ion:228 Resp: 10650  
Ion Ratio Lower Upper  
228 100  
229 20.3 15.7 23.5  
226 27.5 22.4 33.6



#22  
Chrysene  
Concen: 0.390 ng/u1  
RT: 21.509 min Scan# 4995  
Delta R.T. 0.002 min  
Lab File: BM033177.D  
Acq: 19 Nov 2021 15:53

Tgt Ion:228 Resp: 11675  
Ion Ratio Lower Upper  
228 100  
226 30.5 24.9 37.3  
229 19.6 16.1 24.1

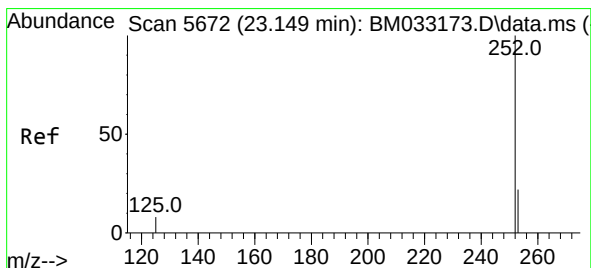
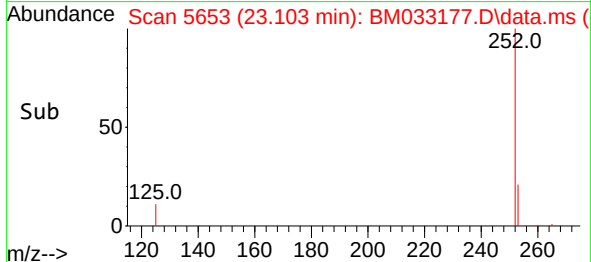
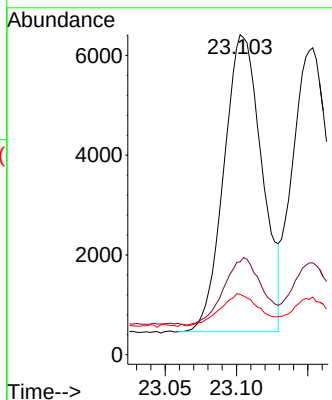
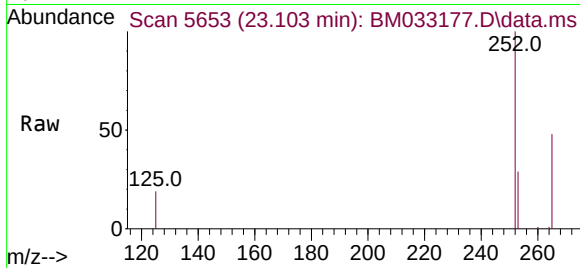




#24  
Benzo(b)fluoranthene  
Concen: 0.417 ng/ul  
RT: 23.103 min Scan# 5653  
Delta R.T. 0.002 min  
Lab File: BM033177.D  
Acq: 19 Nov 2021 15:53

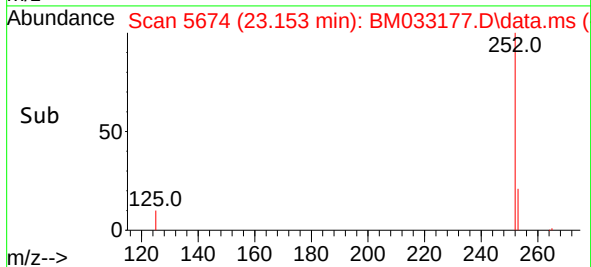
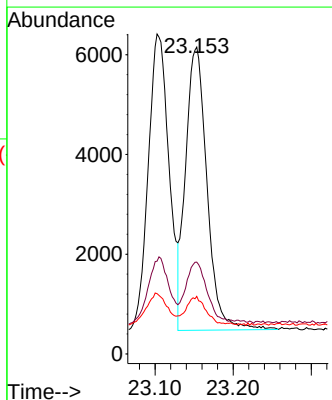
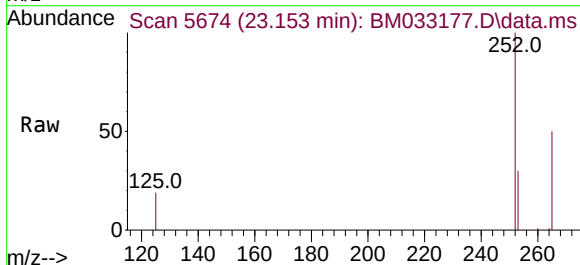
Instrument :  
BNA\_M  
ClientSampleId :

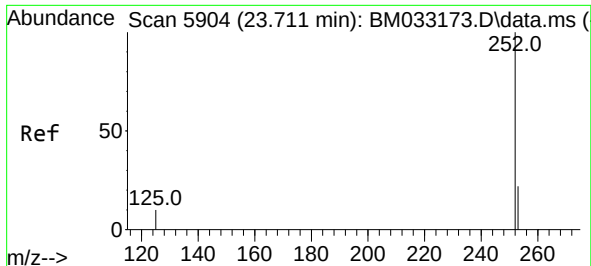
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:252 | Resp: | 11040    |
| Ion Ratio   | Lower | Upper    |
| 252         | 100   |          |
| 253         | 29.0  | 0.0 59.2 |
| 125         | 18.8  | 0.0 34.2 |



#25  
Benzo(k)fluoranthene  
Concen: 0.414 ng/ul  
RT: 23.153 min Scan# 5674  
Delta R.T. 0.005 min  
Lab File: BM033177.D  
Acq: 19 Nov 2021 15:53

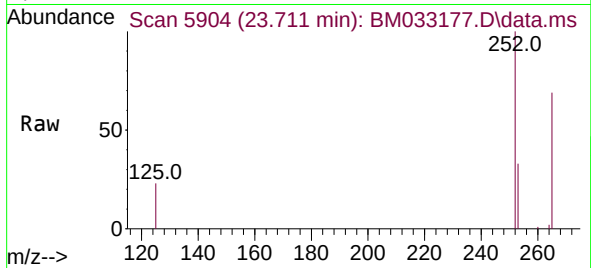
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 10828     |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 29.9  | 23.1 34.7 |
| 125         | 18.8  | 14.6 21.8 |



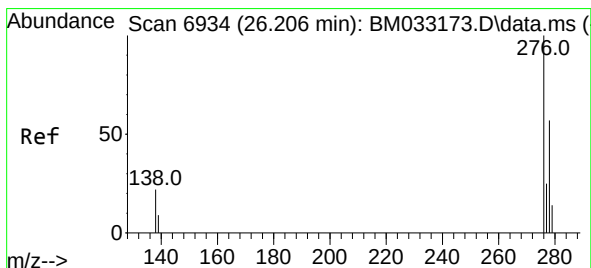
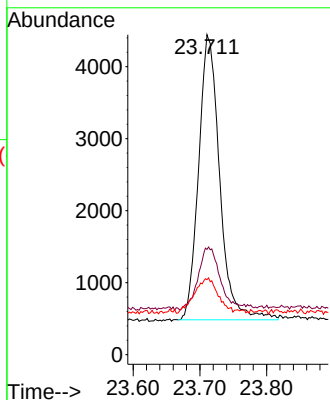
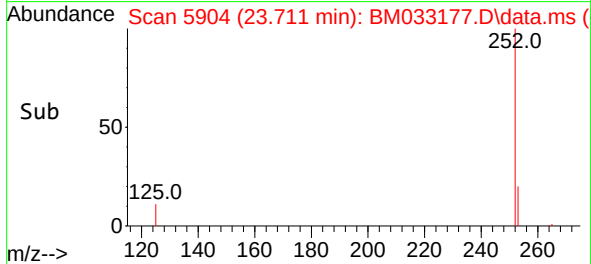


#26  
Benzo(a)pyrene  
Concen: 0.396 ng/ul  
RT: 23.711 min Scan# 5904  
Delta R.T. -0.000 min  
Lab File: BM033177.D  
Acq: 19 Nov 2021 15:53

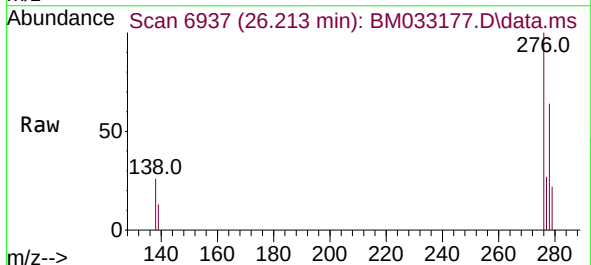
Instrument :  
BNA\_M  
ClientSampleId :



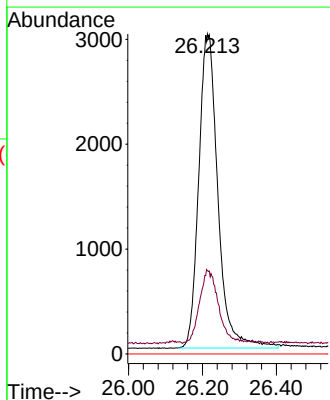
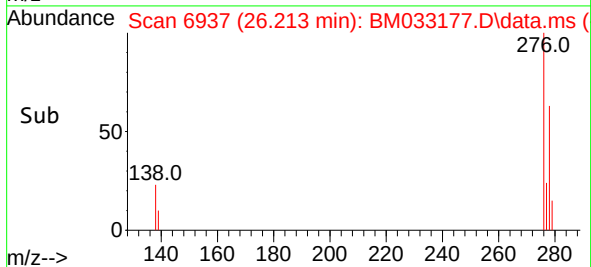
Tgt Ion:252 Resp: 8686  
Ion Ratio Lower Upper  
252 100  
253 32.9 27.1 40.7  
125 23.4 17.4 26.2

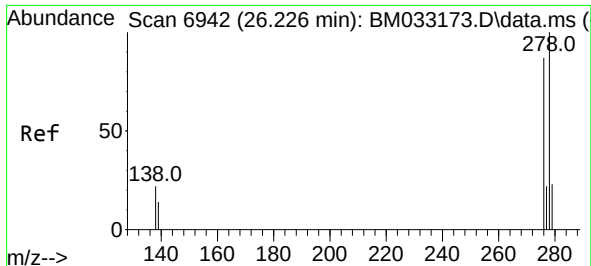


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.390 ng/ul  
RT: 26.213 min Scan# 6937  
Delta R.T. 0.007 min  
Lab File: BM033177.D  
Acq: 19 Nov 2021 15:53



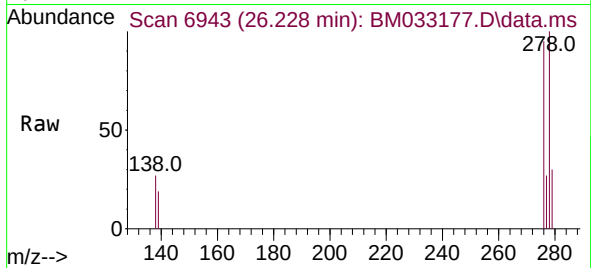
Tgt Ion:276 Resp: 10792  
Ion Ratio Lower Upper  
276 100  
138 23.3 22.9 34.3  
227 0.0 0.0 0.0



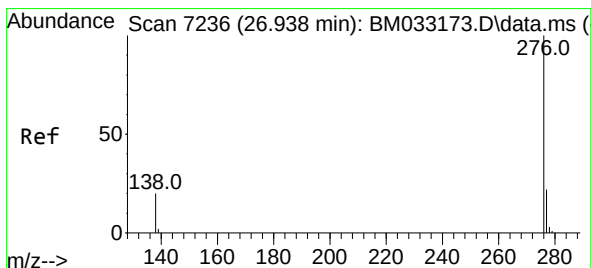
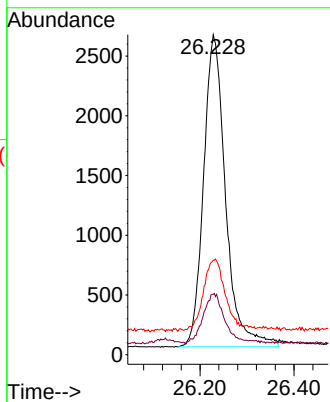
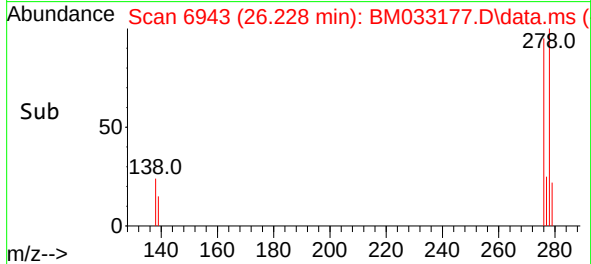


#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.384 ng/ul  
 RT: 26.228 min Scan# 6942  
 Delta R.T. 0.002 min  
 Lab File: BM033177.D  
 Acq: 19 Nov 2021 15:53

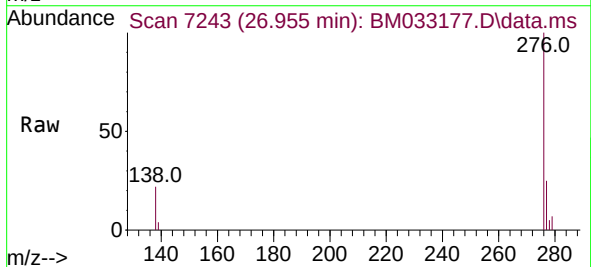
Instrument :  
 BNA\_M  
 ClientSampleId :



Tgt Ion:278 Resp: 8492  
 Ion Ratio Lower Upper  
 278 100  
 139 18.9 18.2 27.2  
 279 29.5 24.6 36.8



#29  
 Benzo(g,h,i)perylene  
 Concen: 0.383 ng/ul  
 RT: 26.955 min Scan# 7243  
 Delta R.T. 0.017 min  
 Lab File: BM033177.D  
 Acq: 19 Nov 2021 15:53



Tgt Ion:276 Resp: 9528  
 Ion Ratio Lower Upper  
 276 100  
 138 22.4 22.2 33.2  
 277 25.2 21.0 31.4

