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 Data File : BN017301.D  
 Acq On : 04 Nov 2021 07:33  
 Operator : CG/JU  
 Sample : PB140425BS  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS425

Quant Time: Nov 08 01:08:13 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN102721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 03 10:42:03 2021  
 Response via : Initial Calibration

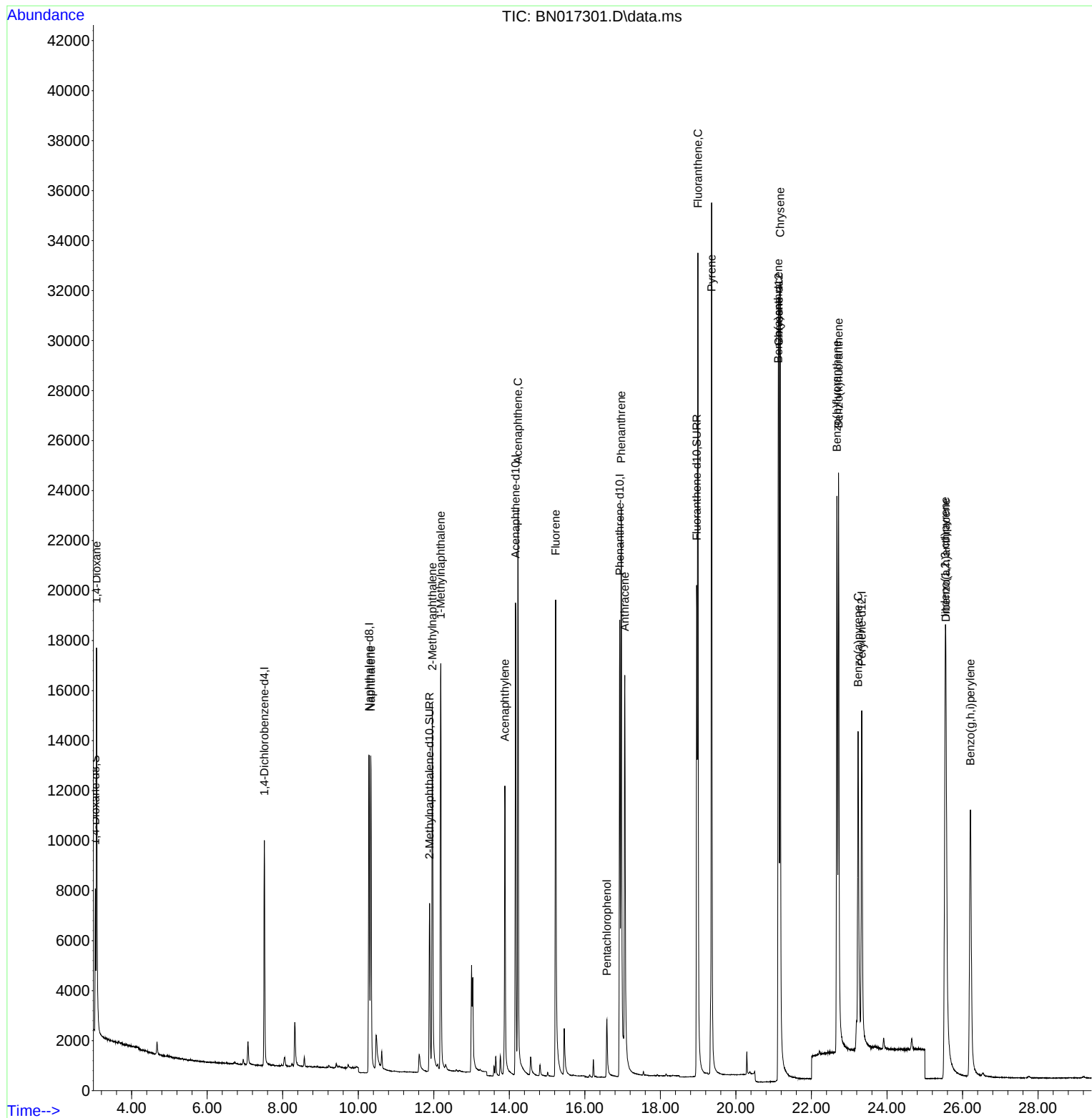
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.514  | 152  | 4835     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.288 | 136  | 18823    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.165 | 164  | 11060    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.922 | 188  | 23952    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.138 | 240  | 21414    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.332 | 264  | 18556    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.042  | 96   | 3649     | 0.679 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.888 | 152  | 9900     | 0.360 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 18.961 | 212  | 23538    | 0.419 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.071  | 88   | 9530     | 1.650 | ng/ul# | 78       |
| 5) Naphthalene              | 10.332 | 128  | 18351    | 0.352 | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 11.965 | 142  | 12211    | 0.339 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.185 | 142  | 12199    | 0.330 | ng/ul  | 100      |
| 10) Acenaphthylene          | 13.883 | 152  | 15063    | 0.344 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.230 | 153  | 14021    | 0.365 | ng/ul  | 99       |
| 12) Fluorene                | 15.229 | 166  | 15674    | 0.350 | ng/ul  | 100      |
| 14) Pentachlorophenol       | 16.580 | 266  | 2065     | 0.382 | ng/ul  | 100      |
| 15) Phenanthrene            | 16.964 | 178  | 27453    | 0.361 | ng/ul  | 100      |
| 16) Anthracene              | 17.057 | 178  | 21800    | 0.346 | ng/ul  | 100      |
| 19) Fluoranthene            | 18.993 | 202  | 30864    | 0.403 | ng/ul  | 99       |
| 20) Pyrene                  | 19.356 | 202  | 31540    | 0.401 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.120 | 228  | 23514    | 0.335 | ng/ul  | 99       |
| 22) Chrysene                | 21.170 | 228  | 30830    | 0.388 | ng/ul  | 100      |
| 24) Benzo(b)fluoranthene    | 22.675 | 252  | 28381    | 0.410 | ng/ul  | 100      |
| 25) Benzo(k)fluoranthene    | 22.718 | 252  | 32010    | 0.408 | ng/ul  | 99       |
| 26) Benzo(a)pyrene          | 23.236 | 252  | 22905    | 0.369 | ng/ul  | 99       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.541 | 276  | 28886    | 0.328 | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 25.561 | 278  | 22613    | 0.325 | ng/ul  | 98       |
| 29) Benzo(g,h,i)perylene    | 26.209 | 276  | 24799    | 0.333 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

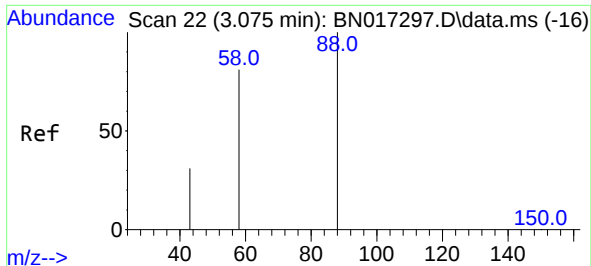
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN110321\  
Data File : BN017301.D  
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Sample : PB140425BS  
Misc :  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
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Quant Time: Nov 08 01:08:13 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN102721.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 03 10:42:03 2021  
Response via : Initial Calibration

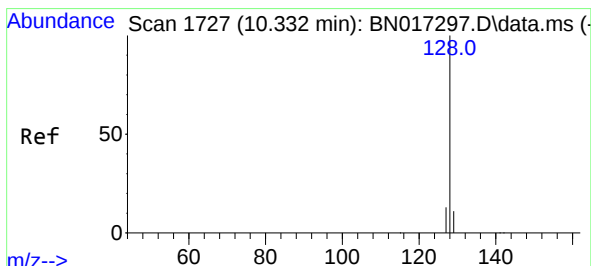
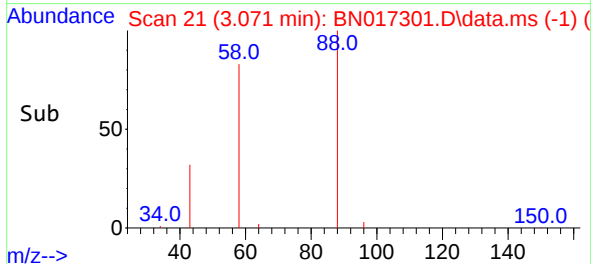
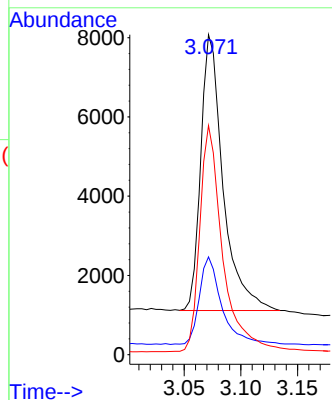
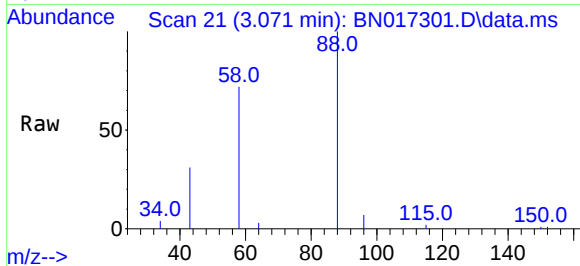




#2  
1,4-Dioxane  
Concen: 1.650 ng/ul  
RT: 3.071 min Scan# 21  
Delta R.T. -0.004 min  
Lab File: BN017301.D  
Acq: 04 Nov 2021 07:33

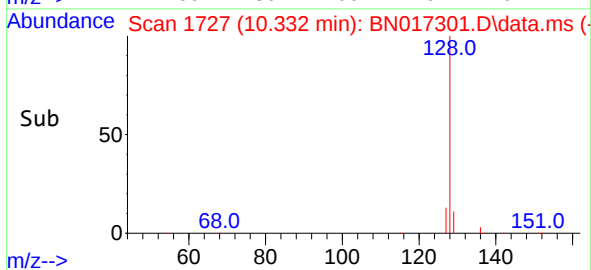
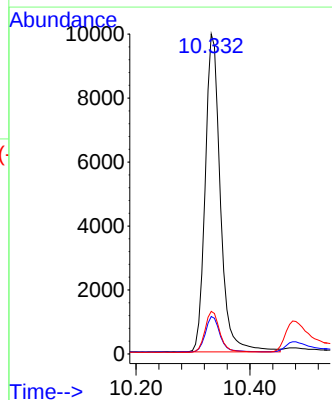
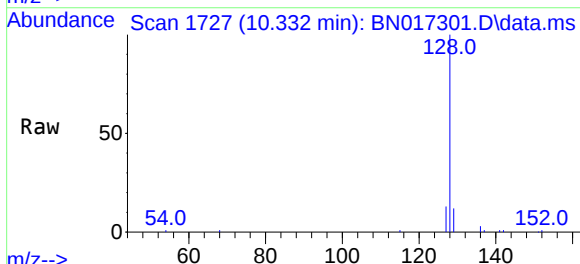
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS425

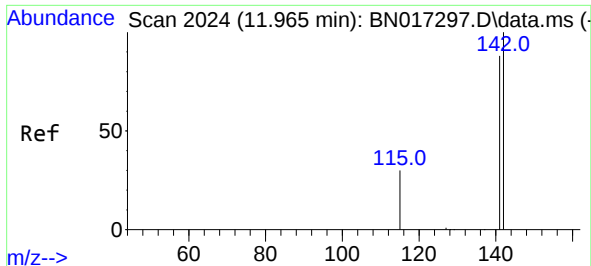
Tgt Ion: 88 Resp: 9530  
Ion Ratio Lower Upper  
88 100  
43 30.6 31.8 47.6#  
58 71.6 41.9 62.9#



#5  
Naphthalene  
Concen: 0.352 ng/ul  
RT: 10.332 min Scan# 1727  
Delta R.T. -0.001 min  
Lab File: BN017301.D  
Acq: 04 Nov 2021 07:33

Tgt Ion: 128 Resp: 18351  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.2 13.8  
127 13.3 10.8 16.2

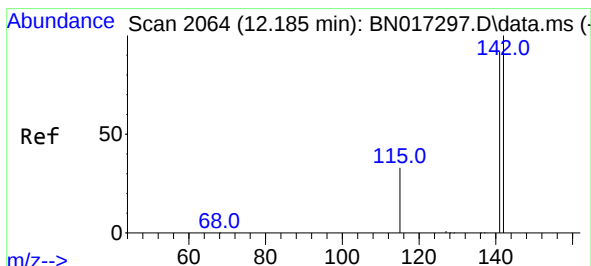
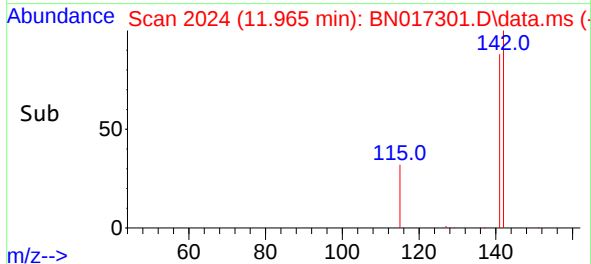
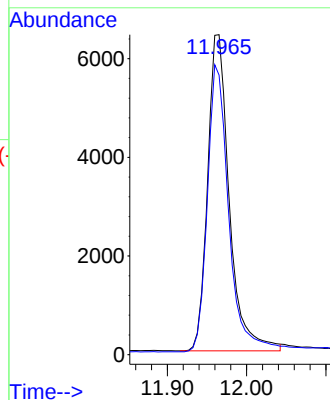
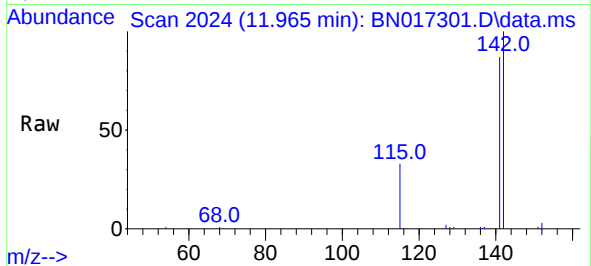




#7  
2-Methylnaphthalene  
Concen: 0.339 ng/ul  
RT: 11.965 min Scan# 2024  
Delta R.T. 0.004 min  
Lab File: BN017301.D  
Acq: 04 Nov 2021 07:33

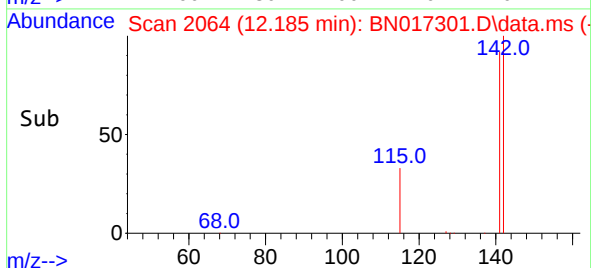
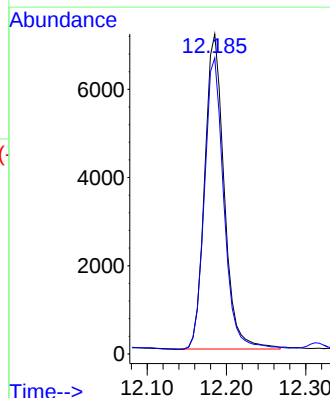
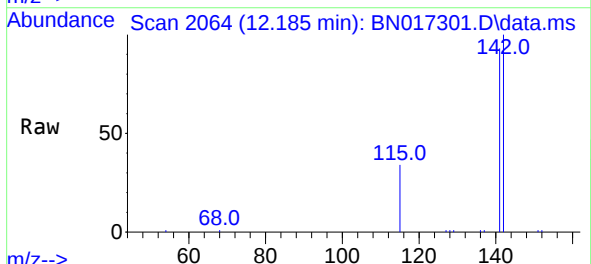
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS425

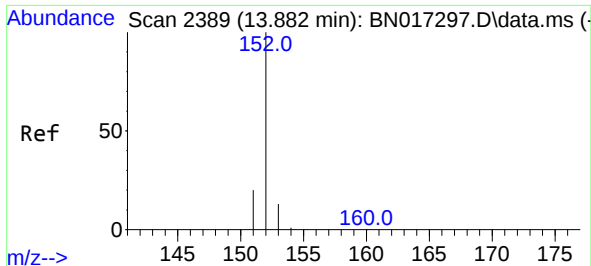
Tgt Ion:142 Resp: 12211  
Ion Ratio Lower Upper  
142 100  
141 89.4 71.0 106.4



#8  
1-Methylnaphthalene  
Concen: 0.330 ng/ul  
RT: 12.185 min Scan# 2064  
Delta R.T. -0.001 min  
Lab File: BN017301.D  
Acq: 04 Nov 2021 07:33

Tgt Ion:142 Resp: 12199  
Ion Ratio Lower Upper  
142 100  
141 92.5 73.8 110.8

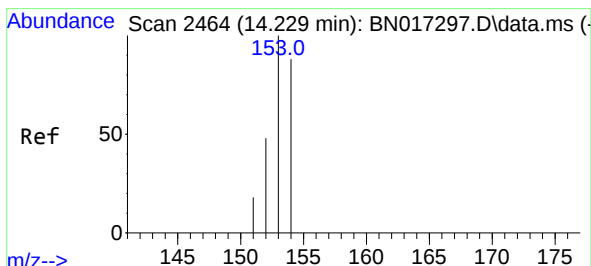
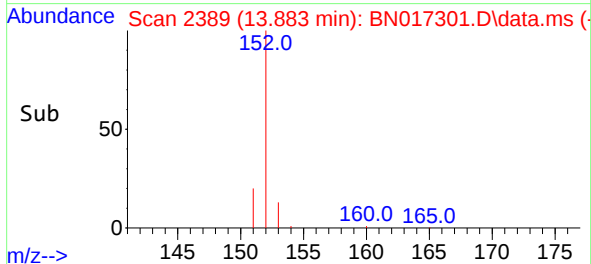
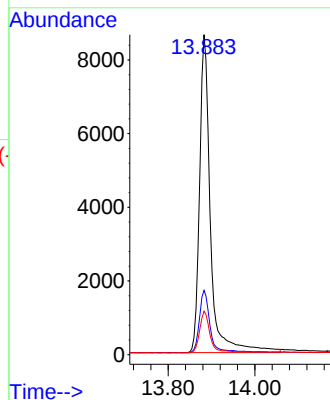
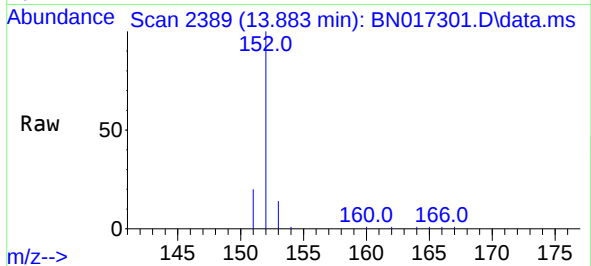




#10  
Acenaphthylene  
Concen: 0.344 ng/ul  
RT: 13.883 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: BN017301.D  
Acq: 04 Nov 2021 07:33

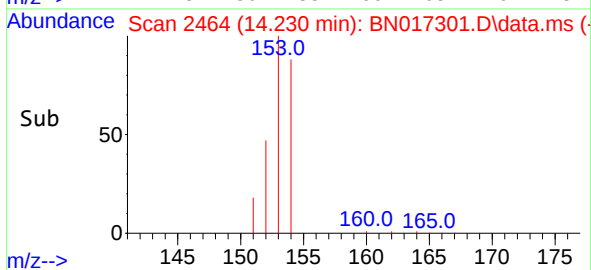
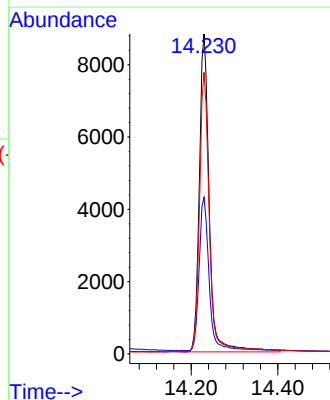
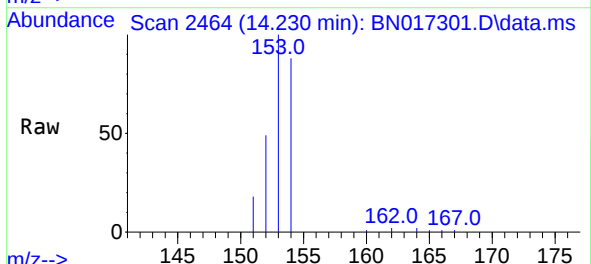
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ClientSampleId :  
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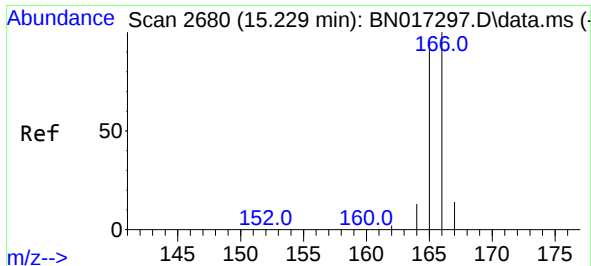
Tgt Ion:152 Resp: 15063  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.0 24.0  
153 13.6 10.8 16.2



#11  
Acenaphthene  
Concen: 0.365 ng/ul  
RT: 14.230 min Scan# 2464  
Delta R.T. -0.001 min  
Lab File: BN017301.D  
Acq: 04 Nov 2021 07:33

Tgt Ion:153 Resp: 14021  
Ion Ratio Lower Upper  
153 100  
152 49.0 39.5 59.3  
154 88.0 70.0 105.0

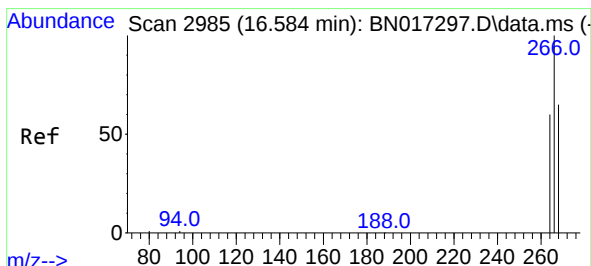
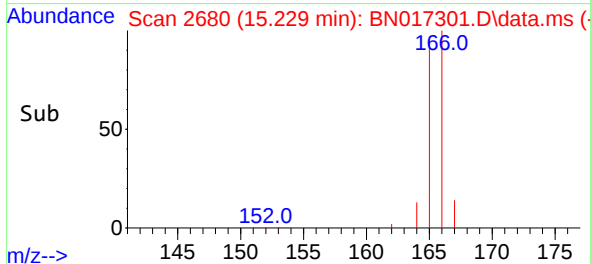
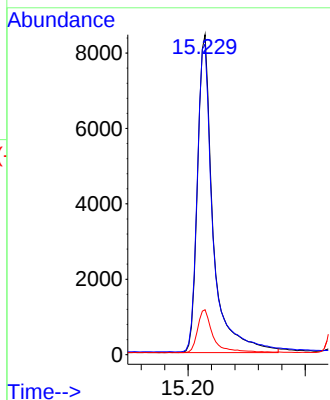
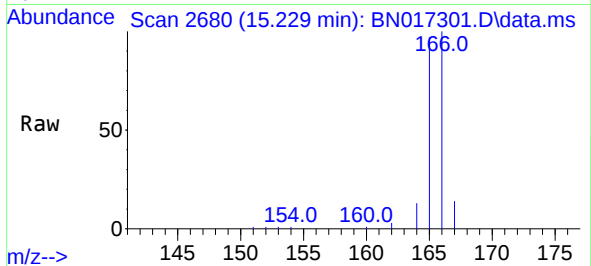




#12  
Fluorene  
Concen: 0.350 ng/ul  
RT: 15.229 min Scan# 20  
Delta R.T. 0.003 min  
Lab File: BN017301.D  
Acq: 04 Nov 2021 07:33

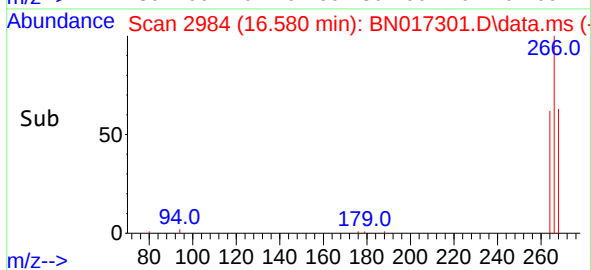
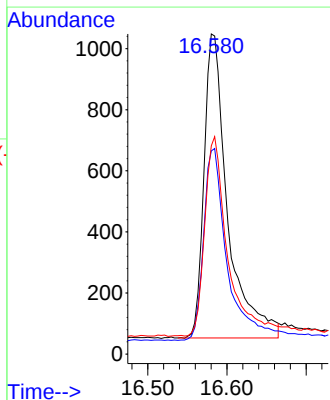
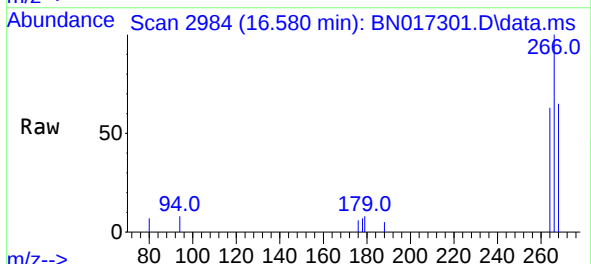
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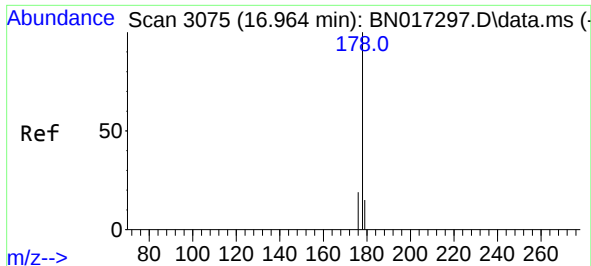
Tgt Ion:166 Resp: 15674  
Ion Ratio Lower Upper  
166 100  
165 97.0 77.7 116.5  
167 14.1 11.1 16.7



#14  
Pentachlorophenol  
Concen: 0.382 ng/ul  
RT: 16.580 min Scan# 2984  
Delta R.T. -0.001 min  
Lab File: BN017301.D  
Acq: 04 Nov 2021 07:33

Tgt Ion:266 Resp: 2065  
Ion Ratio Lower Upper  
266 100  
264 62.6 49.9 74.9  
268 64.1 51.2 76.8

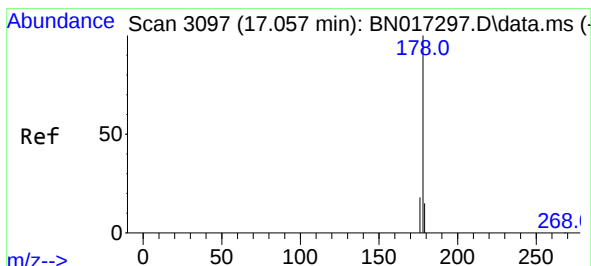
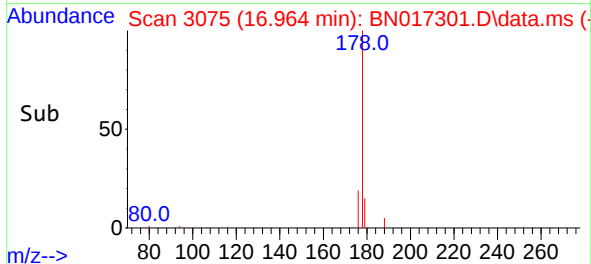
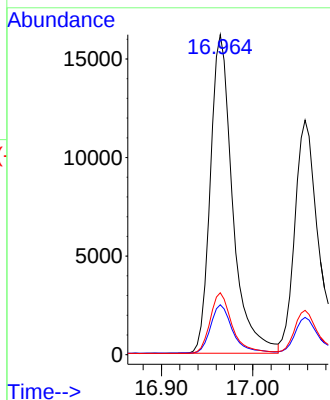
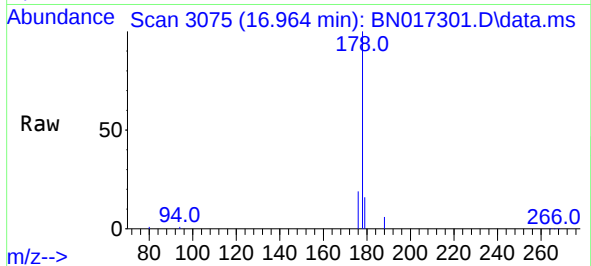




#15  
Phenanthrene  
Concen: 0.361 ng/ul  
RT: 16.964 min Scan# 3075  
Delta R.T. -0.001 min  
Lab File: BN017301.D  
Acq: 04 Nov 2021 07:33

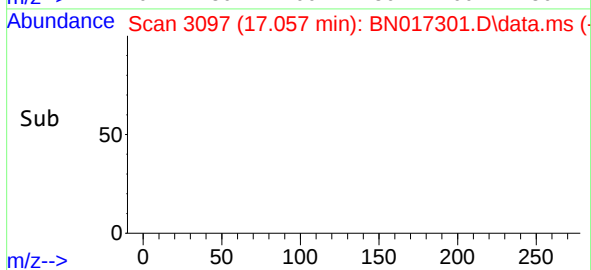
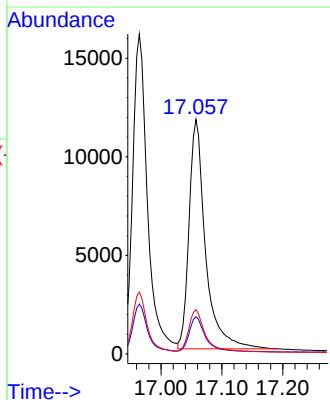
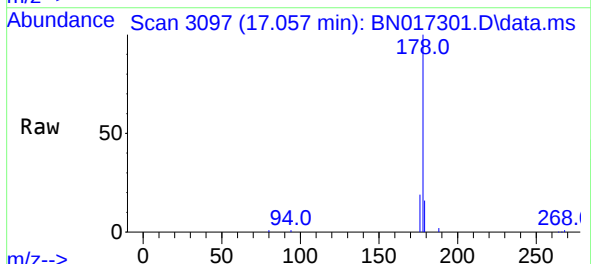
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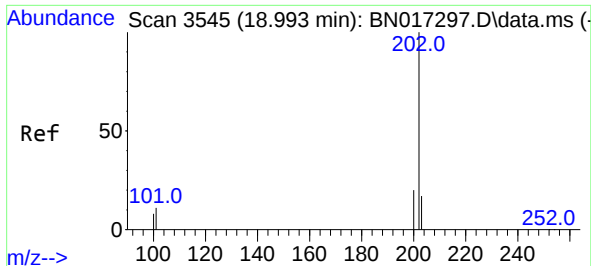
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Ion Ratio Lower Upper  
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179 15.6 12.6 19.0  
176 19.3 15.5 23.3



#16  
Anthracene  
Concen: 0.346 ng/ul  
RT: 17.057 min Scan# 3097  
Delta R.T. -0.001 min  
Lab File: BN017301.D  
Acq: 04 Nov 2021 07:33

Tgt Ion:178 Resp: 21800  
Ion Ratio Lower Upper  
178 100  
179 15.9 12.6 19.0  
176 18.9 15.2 22.8

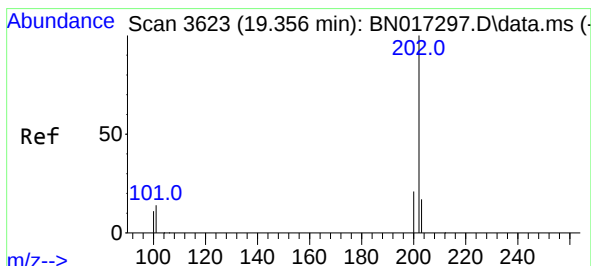
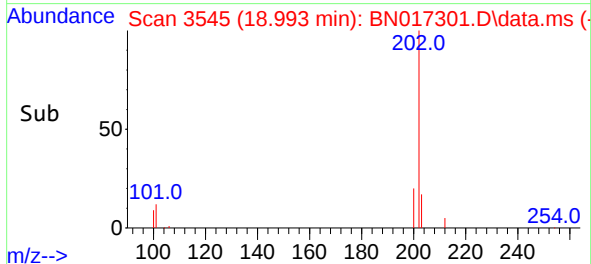
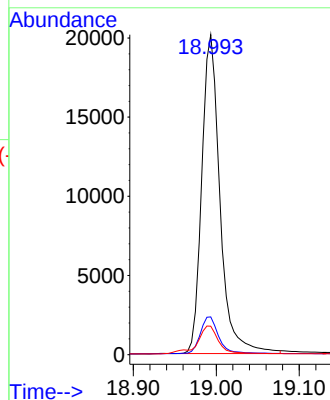
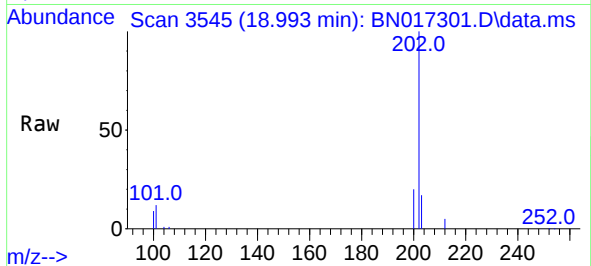




#19  
Fluoranthene  
Concen: 0.403 ng/u1  
RT: 18.993 min Scan# 3545  
Delta R.T. -0.001 min  
Lab File: BN017301.D  
Acq: 04 Nov 2021 07:33

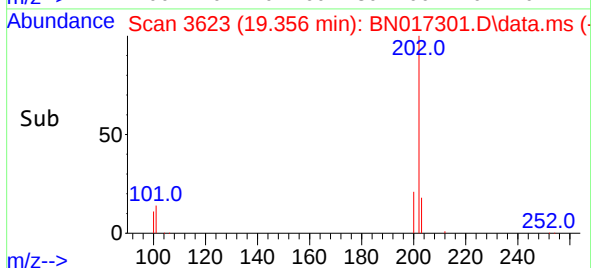
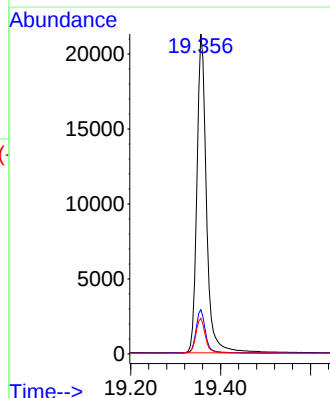
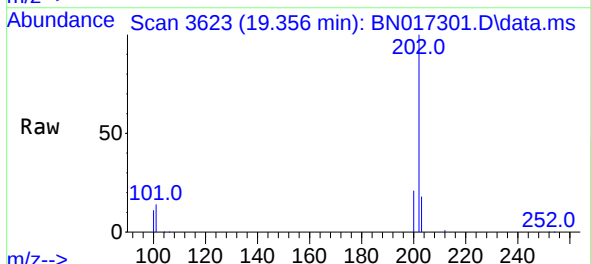
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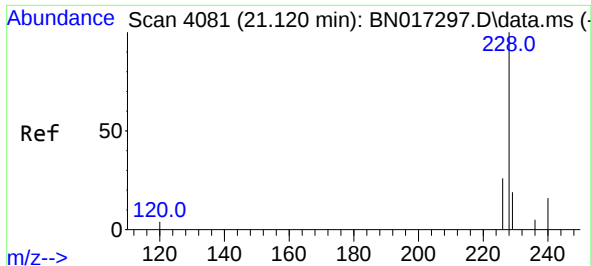
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Ion Ratio Lower Upper  
202 100  
101 11.8 9.7 14.5  
100 8.9 7.2 10.8



#20  
Pyrene  
Concen: 0.401 ng/u1  
RT: 19.356 min Scan# 3623  
Delta R.T. -0.001 min  
Lab File: BN017301.D  
Acq: 04 Nov 2021 07:33

Tgt Ion:202 Resp: 31540  
Ion Ratio Lower Upper  
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101 13.9 10.3 15.5  
100 11.2 8.2 12.2

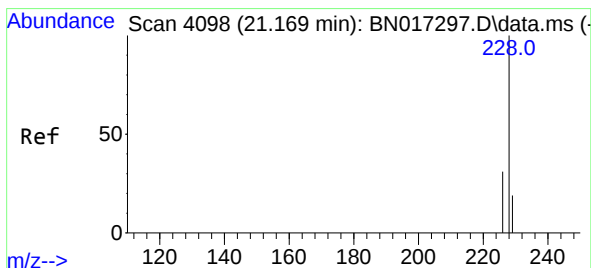
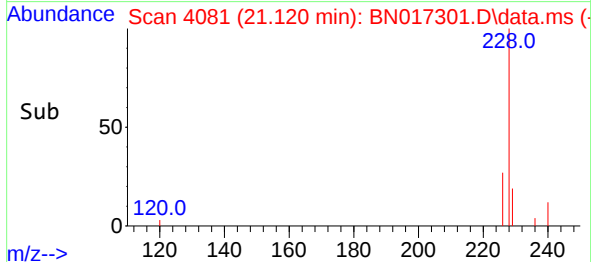
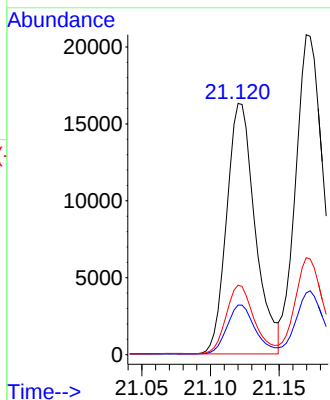
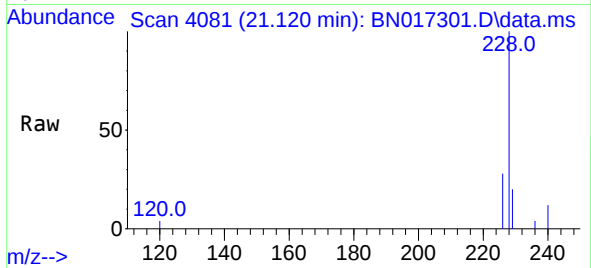




#21  
Benzo(a)anthracene  
Concen: 0.335 ng/ul  
RT: 21.120 min Scan# 4081  
Delta R.T. -0.001 min  
Lab File: BN017301.D  
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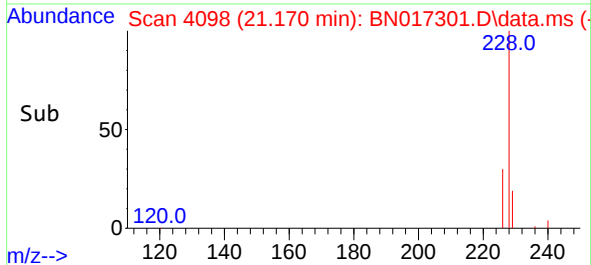
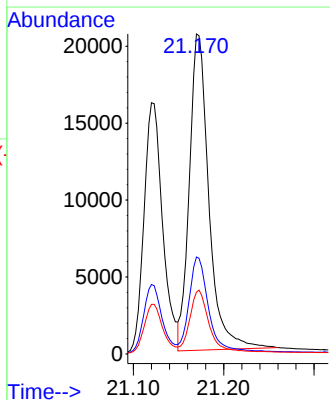
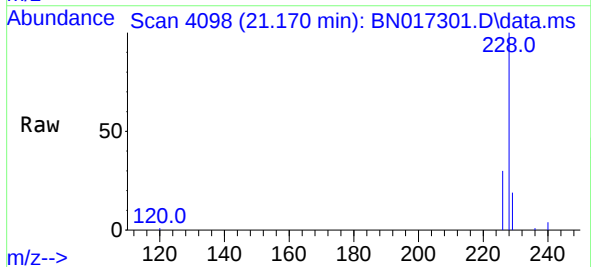
Instrument :  
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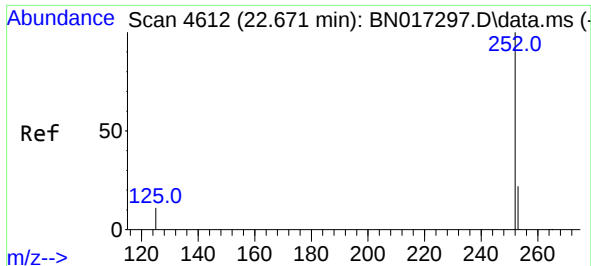
Tgt Ion:228 Resp: 23514  
Ion Ratio Lower Upper  
228 100  
229 19.7 16.1 24.1  
226 27.7 21.7 32.5



#22  
Chrysene  
Concen: 0.388 ng/ul  
RT: 21.170 min Scan# 4098  
Delta R.T. -0.004 min  
Lab File: BN017301.D  
Acq: 04 Nov 2021 07:33

Tgt Ion:228 Resp: 30830  
Ion Ratio Lower Upper  
228 100  
226 30.3 24.1 36.1  
229 19.3 15.4 23.2

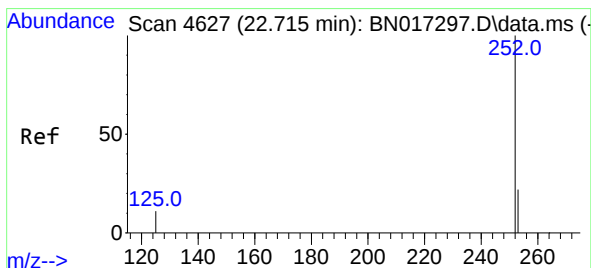
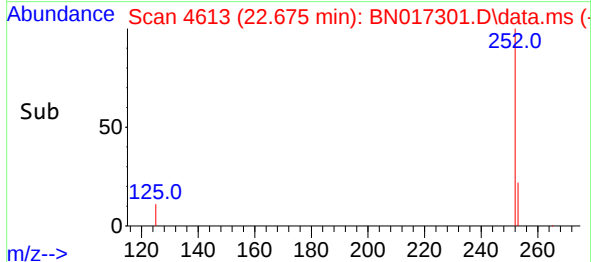
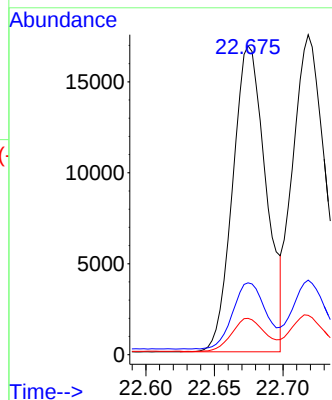
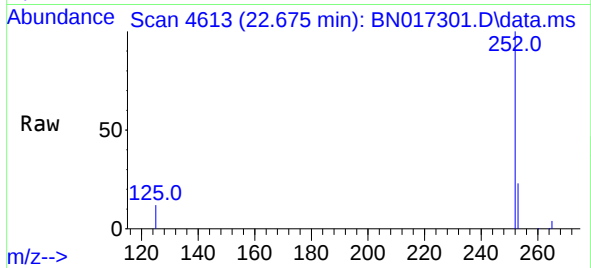




#24  
Benzo(b)fluoranthene  
Concen: 0.410 ng/ul  
RT: 22.675 min Scan# 4612  
Delta R.T. -0.001 min  
Lab File: BN017301.D  
Acq: 04 Nov 2021 07:33

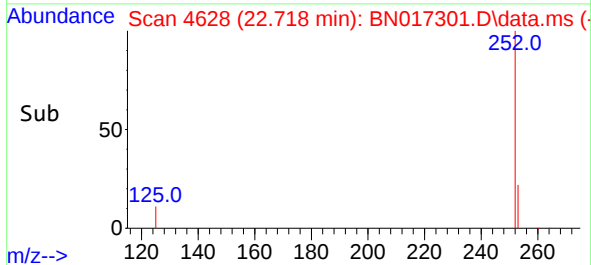
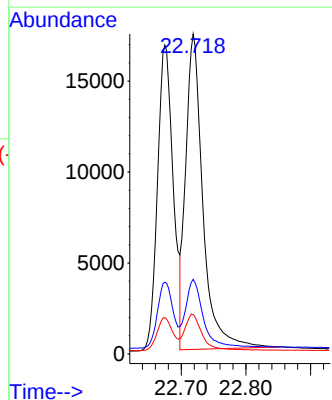
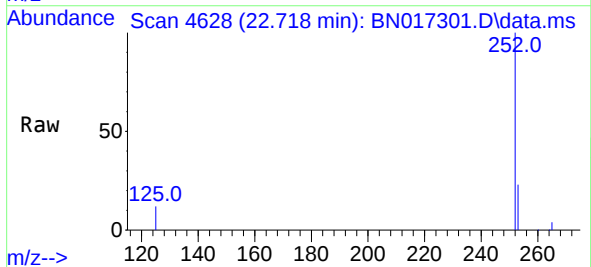
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS425

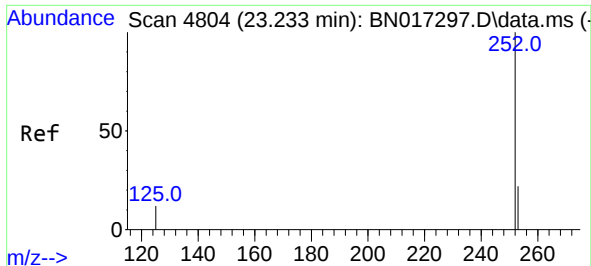
Tgt Ion:252 Resp: 28381  
Ion Ratio Lower Upper  
252 100  
253 23.3 0.0 46.8  
125 11.8 0.0 23.8



#25  
Benzo(k)fluoranthene  
Concen: 0.408 ng/ul  
RT: 22.718 min Scan# 4628  
Delta R.T. -0.001 min  
Lab File: BN017301.D  
Acq: 04 Nov 2021 07:33

Tgt Ion:252 Resp: 32010  
Ion Ratio Lower Upper  
252 100  
253 23.3 18.3 27.5  
125 12.3 10.0 15.0

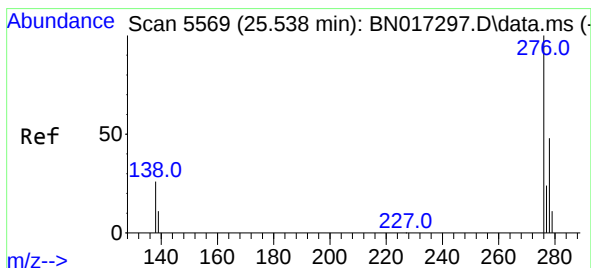
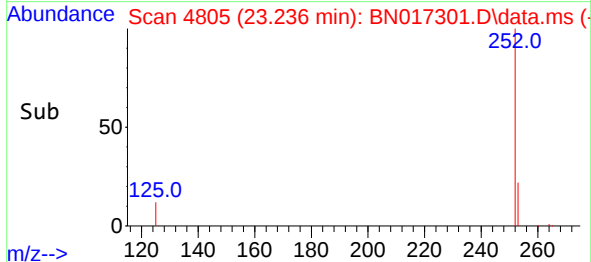
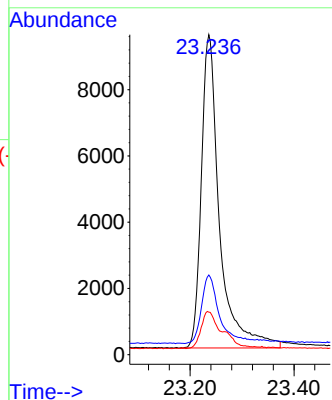
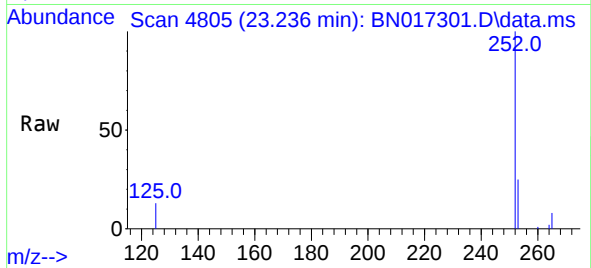




#26  
Benzo(a)pyrene  
Concen: 0.369 ng/ul  
RT: 23.236 min Scan# 41  
Delta R.T. -0.001 min  
Lab File: BN017301.D  
Acq: 04 Nov 2021 07:33

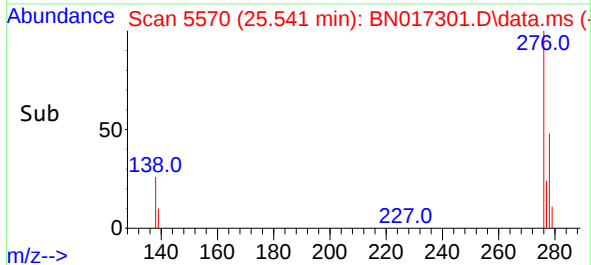
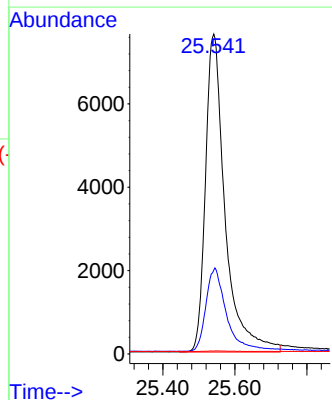
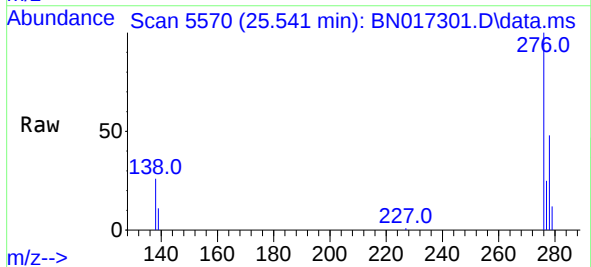
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS425

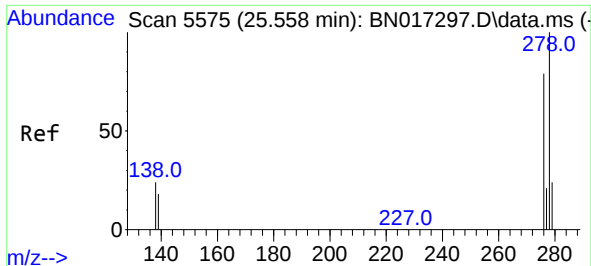
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 22905     |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 24.9  | 19.3 28.9 |
| 125         | 13.3  | 10.8 16.2 |



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.328 ng/ul  
RT: 25.541 min Scan# 5570  
Delta R.T. -0.001 min  
Lab File: BN017301.D  
Acq: 04 Nov 2021 07:33

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:276 | Resp: | 28886     |
| Ion Ratio   | Lower | Upper     |
| 276         | 100   |           |
| 138         | 27.6  | 22.2 33.4 |
| 227         | 0.1   | 0.0 0.0   |

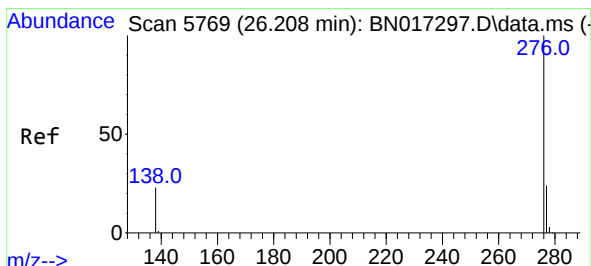
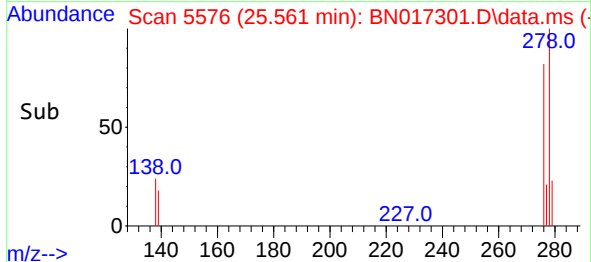
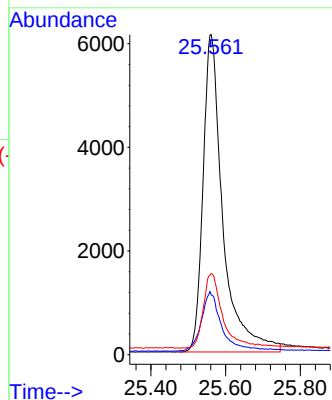
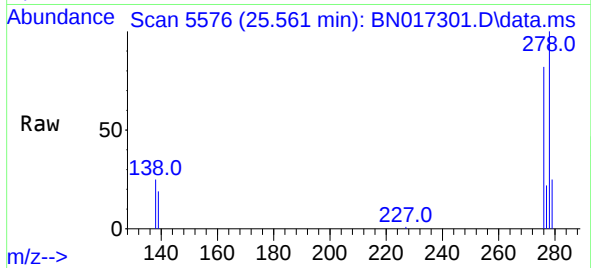




#28  
Dibenzo(a,h)anthracene  
Concen: 0.325 ng/ul  
RT: 25.561 min Scan# 51  
Delta R.T. 0.002 min  
Lab File: BN017301.D  
Acq: 04 Nov 2021 07:33

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS425

Tgt Ion:278 Resp: 22613  
Ion Ratio Lower Upper  
278 100  
139 18.6 15.4 23.0  
279 25.3 19.5 29.3



#29  
Benzo(g,h,i)perylene  
Concen: 0.333 ng/ul  
RT: 26.209 min Scan# 5769  
Delta R.T. -0.001 min  
Lab File: BN017301.D  
Acq: 04 Nov 2021 07:33

Tgt Ion:276 Resp: 24799  
Ion Ratio Lower Upper  
276 100  
138 24.0 19.2 28.8  
277 24.3 19.0 28.6

