

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070821\  
 Data File : BN015478.D  
 Acq On : 10 Jul 2021 11:36  
 Operator : CG/JU  
 Sample : M2808-10  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BGDR8

Manual Integrations  
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 7/12/2021 9:34:20 AM

Quant Time: Jul 11 06:14:45 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 08 11:17:31 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.711  | 152  | 3115     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.479 | 136  | 10751    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.335 | 164  | 5629     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.082 | 188  | 11509    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.281 | 240  | 9432     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.520 | 264  | 8343     | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.281  | 96   | 5196     | 1.480 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.069 | 152  | 2762     | 0.164 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.118 | 212  | 6024     | 0.194 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.529 | 128  | 1769     | 0.052 | ng/ul# | 91       |
| 10) Acenaphthylene          | 14.053 | 152  | 1436     | 0.049 | ng/ul# | 90       |
| 11) Acenaphthene            | 14.395 | 153  | 2807     | 0.126 | ng/ul  | 97       |
| 12) Fluorene                | 15.390 | 166  | 1502     | 0.061 | ng/ul# | 97       |
| 15) Phenanthrene            | 17.124 | 178  | 36042    | 0.863 | ng/ul  | 100      |
| 16) Anthracene              | 17.217 | 178  | 7903     | 0.215 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.146 | 202  | 89251    | 2.048 | ng/ul  | 98       |
| 20) Pyrene                  | 19.513 | 202  | 62703    | 1.434 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.267 | 228  | 32057    | 0.918 | ng/ul  | 99       |
| 22) Chrysene                | 21.319 | 228  | 31244    | 0.747 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.851 | 252  | 40368m   | 1.036 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.892 | 252  | 14192m   | 0.323 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.424 | 252  | 22511    | 0.688 | ng/ul  | 98       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.760 | 276  | 17252    | 0.436 | ng/ul# | 90       |
| 28) Dibenzo(a,h)anthracene  | 25.770 | 278  | 4044     | 0.130 | ng/ul# | 91       |
| 29) Benzo(g,h,i)perylene    | 26.451 | 276  | 2421     | 0.066 | ng/ul# | 85       |
| -----                       |        |      |          |       |        |          |

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

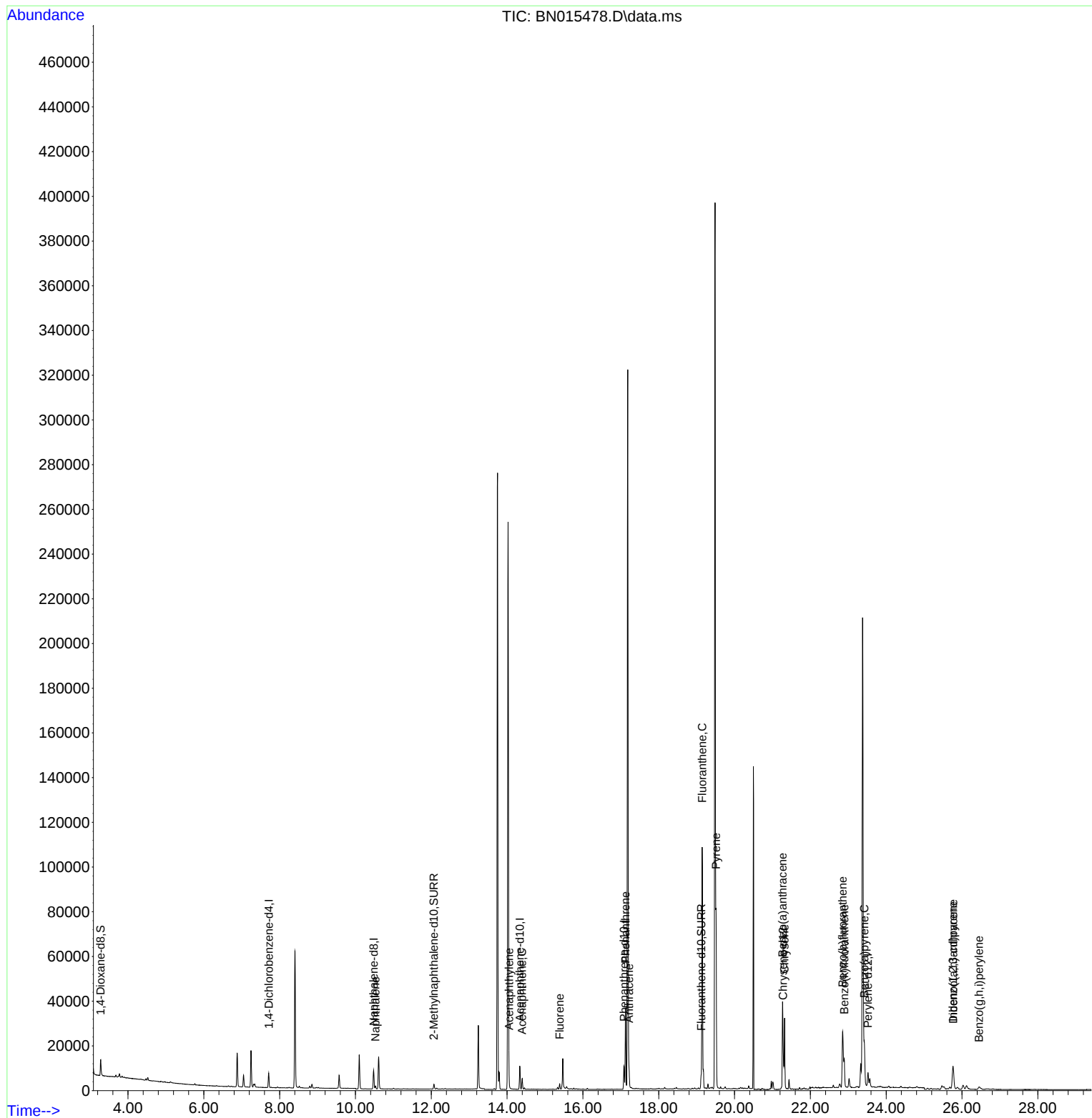
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Data File : BN015478.D  
Acq On : 10 Jul 2021 11:36  
Operator : CG/JU  
Sample : M2808-10  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

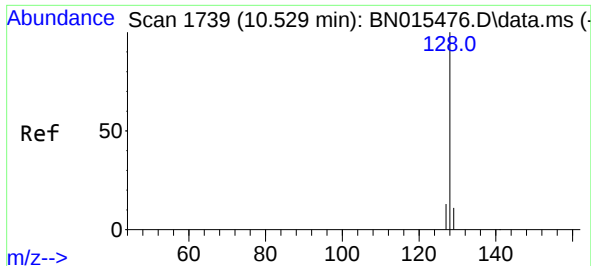
Instrument :  
BNA\_N  
ClientSampleId :  
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Quant Time: Jul 11 06:14:45 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 08 11:17:31 2021  
Response via : Initial Calibration





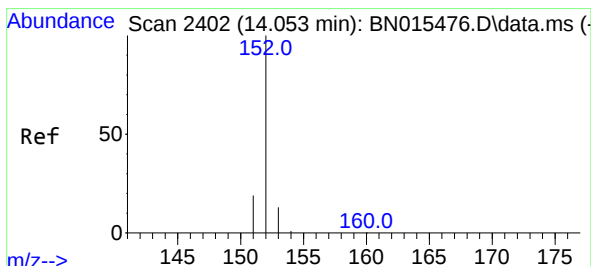
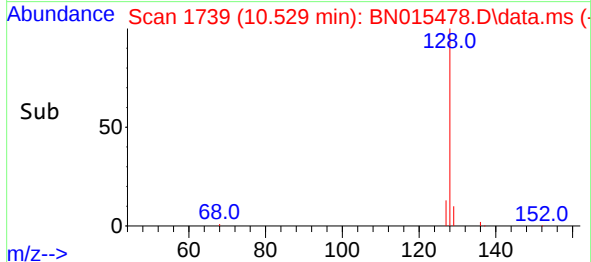
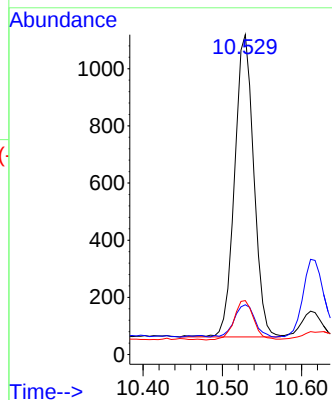
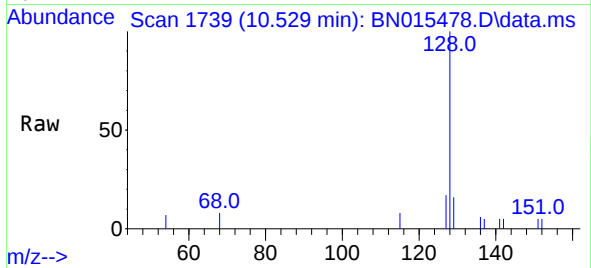
#5  
Naphthalene  
Concen: 0.052 ng/u1  
RT: 10.529 min Scan# 1739  
Delta R.T. 0.000 min  
Lab File: BN015478.D  
Acq: 10 Jul 2021 11:36

Tgt Ion:128 Resp: 1769  
Ion Ratio Lower Upper  
128 100  
129 15.5 9.3 13.9#  
127 16.9 10.8 16.2#

Instrument :  
BNA\_N  
ClientSampled :  
BGDR8

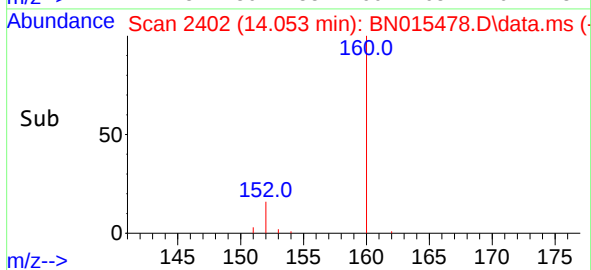
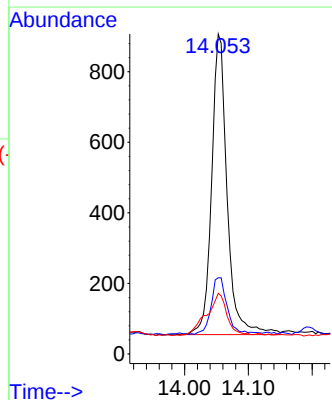
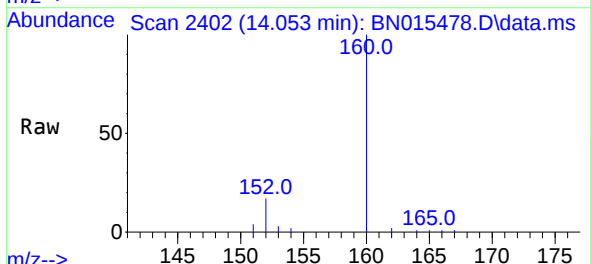
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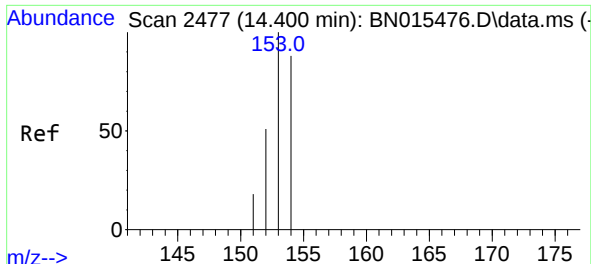
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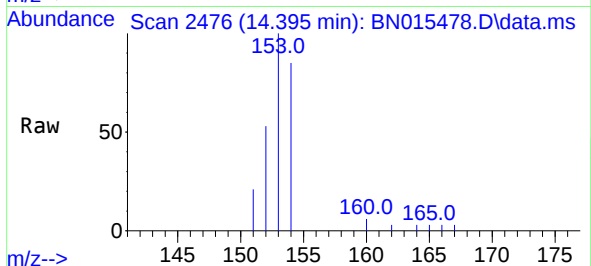
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Acenaphthylene  
Concen: 0.049 ng/u1  
RT: 14.053 min Scan# 2402  
Delta R.T. -0.005 min  
Lab File: BN015478.D  
Acq: 10 Jul 2021 11:36

Tgt Ion:152 Resp: 1436  
Ion Ratio Lower Upper  
152 100  
151 23.8 16.0 24.0  
153 19.0 10.9 16.3#

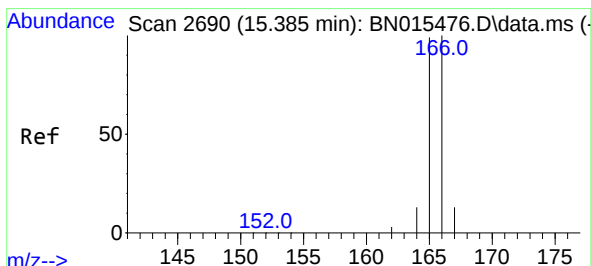
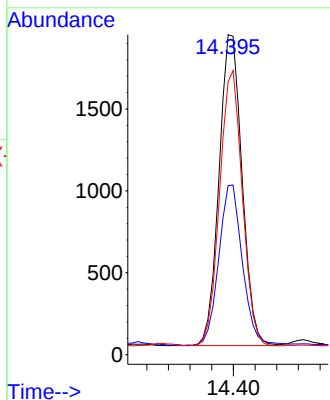
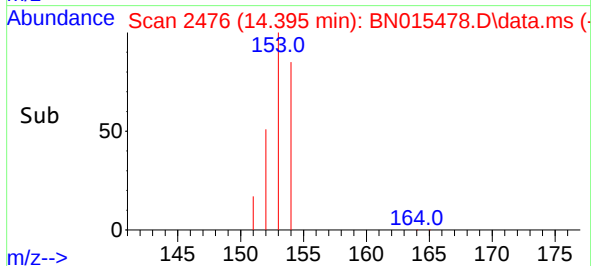




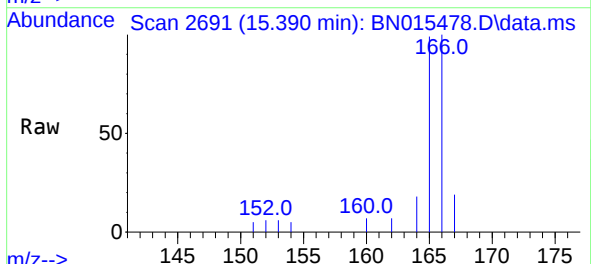
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Acenaphthene  
Concen: 0.126 ng/ul  
RT: 14.395 min Scan# 2476  
Delta R.T. -0.005 min  
Lab File: BN015478.D  
Acq: 10 Jul 2021 11:36



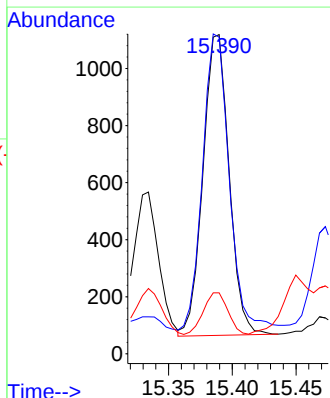
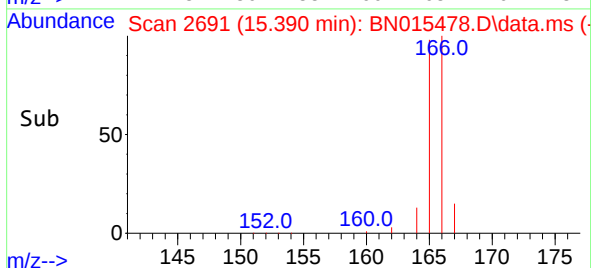
Tgt Ion:153 Resp: 2807  
Ion Ratio Lower Upper  
153 100  
152 52.9 39.8 59.6  
154 85.4 69.8 104.8



#12  
Fluorene  
Concen: 0.061 ng/ul  
RT: 15.390 min Scan# 2691  
Delta R.T. 0.000 min  
Lab File: BN015478.D  
Acq: 10 Jul 2021 11:36



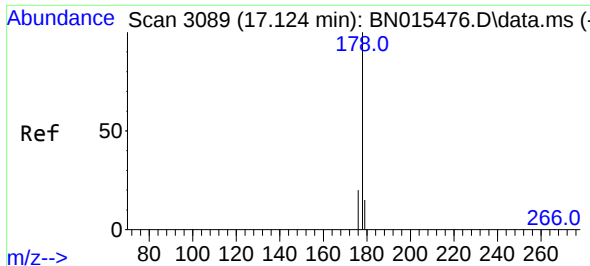
Tgt Ion:166 Resp: 1502  
Ion Ratio Lower Upper  
166 100  
165 99.2 77.8 116.8  
167 19.1 11.2 16.8#



Instrument :  
BNA\_N  
ClientSampleId :  
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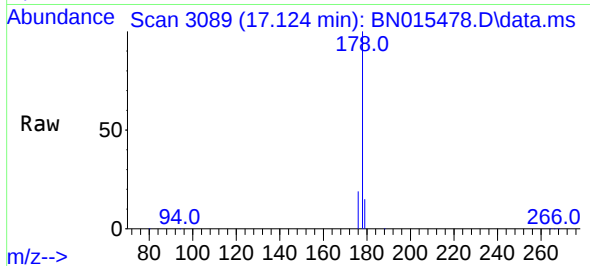
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#15  
Phenanthrene  
Concen: 0.863 ng/ul  
RT: 17.124 min Scan# 3089  
Delta R.T. -0.004 min  
Lab File: BN015478.D  
Acq: 10 Jul 2021 11:36

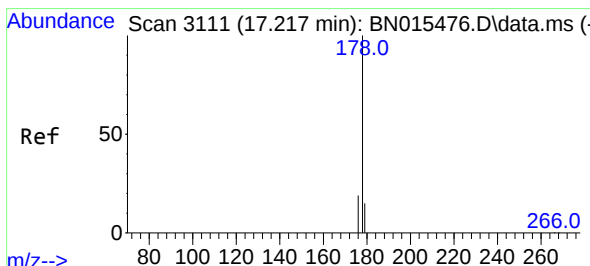
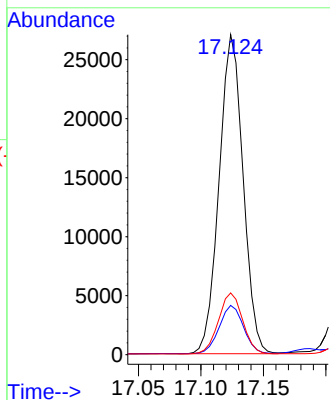
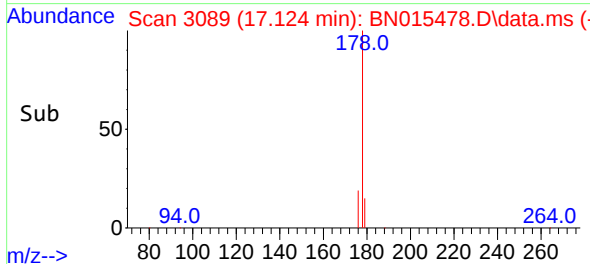
Instrument :  
BNA\_N  
ClientSampleId :  
BGDR8



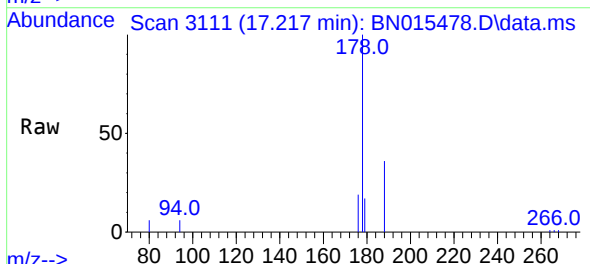
Tgt Ion:178 Resp: 36042  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.3 18.5  
176 19.3 15.5 23.3

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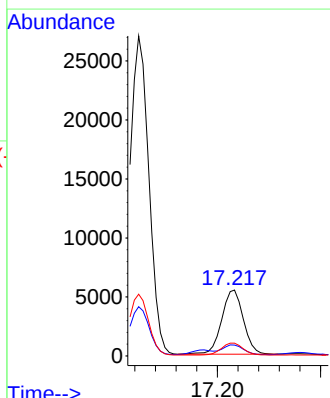
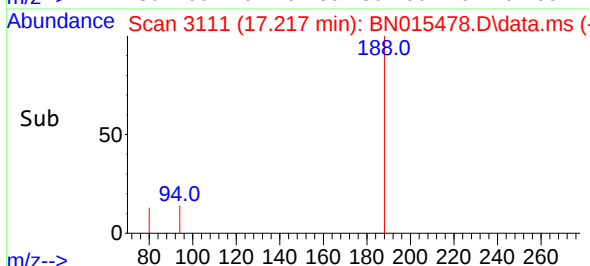
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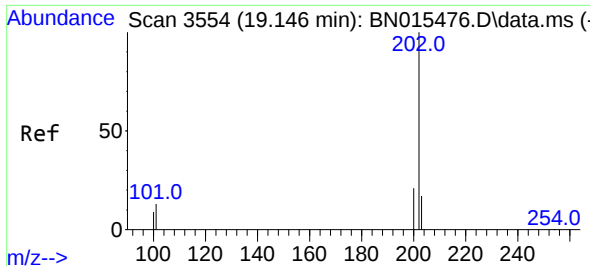


#16  
Anthracene  
Concen: 0.215 ng/ul  
RT: 17.217 min Scan# 3111  
Delta R.T. 0.000 min  
Lab File: BN015478.D  
Acq: 10 Jul 2021 11:36



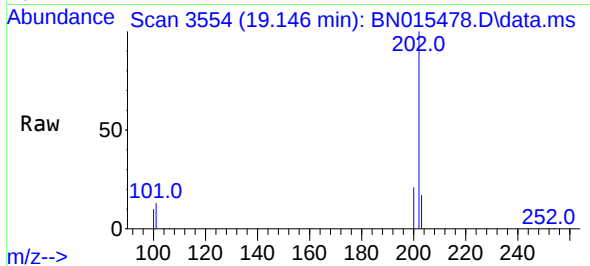
Tgt Ion:178 Resp: 7903  
Ion Ratio Lower Upper  
178 100  
179 16.5 12.8 19.2  
176 19.5 15.2 22.8





#19  
Fluoranthene  
Concen: 2.048 ng/ul  
RT: 19.146 min Scan# 3554  
Delta R.T. -0.004 min  
Lab File: BN015478.D  
Acq: 10 Jul 2021 11:36

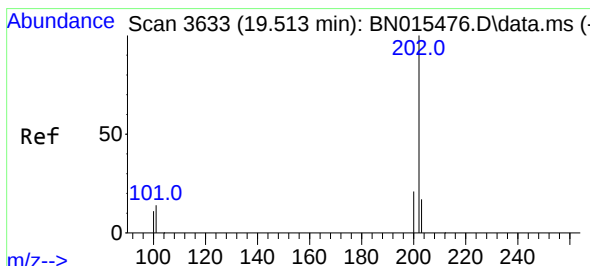
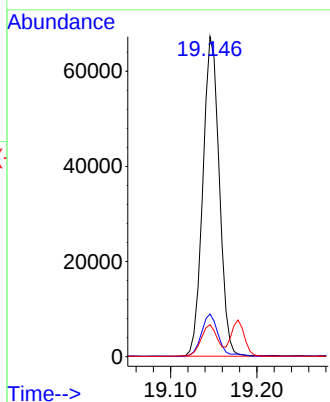
Instrument :  
BNA\_N  
ClientSampleId :  
BGDR8



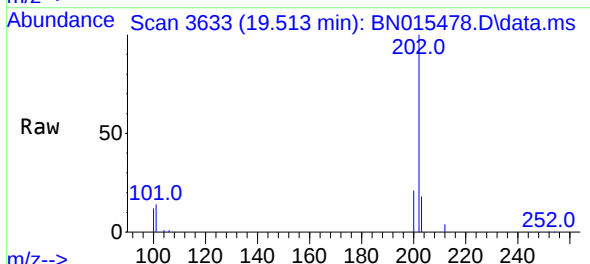
Tgt Ion:202 Resp: 89251  
Ion Ratio Lower Upper  
202 100  
101 13.4 10.1 15.1  
100 10.0 7.4 11.0

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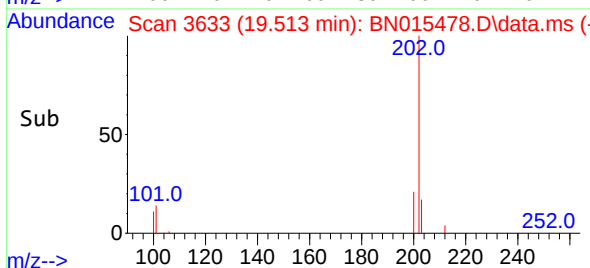
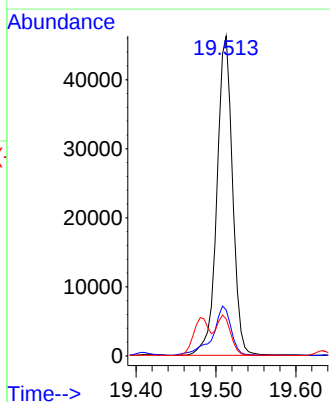
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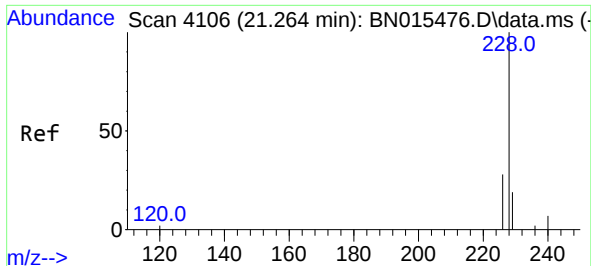


#20  
Pyrene  
Concen: 1.434 ng/ul  
RT: 19.513 min Scan# 3633  
Delta R.T. -0.004 min  
Lab File: BN015478.D  
Acq: 10 Jul 2021 11:36



Tgt Ion:202 Resp: 62703  
Ion Ratio Lower Upper  
202 100  
101 14.4 12.0 18.0  
100 11.6 9.6 14.4





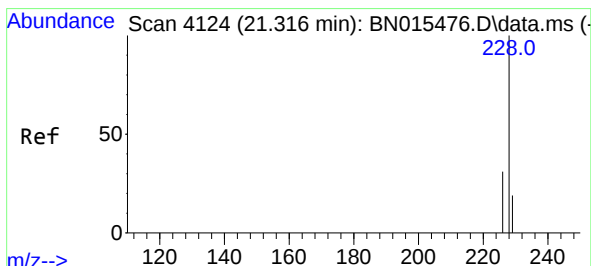
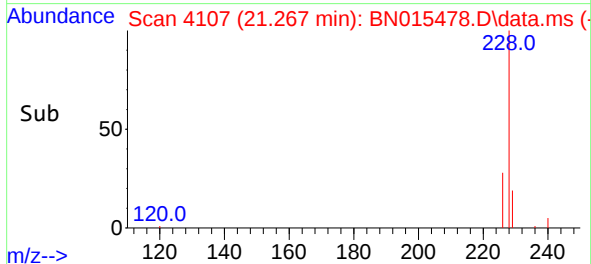
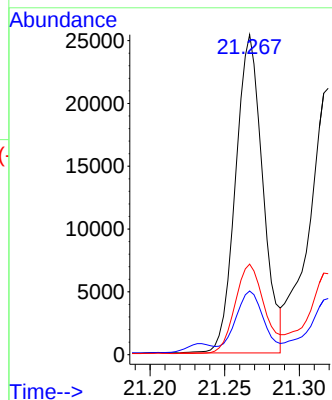
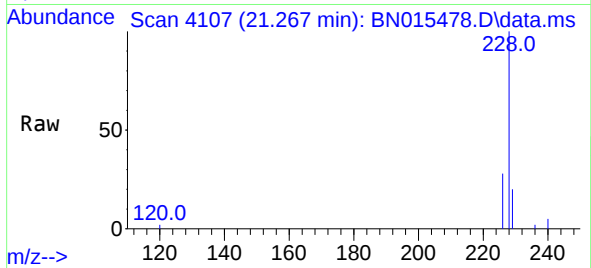
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Benzo(a)anthracene  
Concen: 0.918 ng/ul  
RT: 21.267 min Scan# 4107  
Delta R.T. -0.005 min  
Lab File: BN015478.D  
Acq: 10 Jul 2021 11:36

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 32057     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 229         | 19.9  | 15.8 23.8 |
| 226         | 28.3  | 21.8 32.8 |

Instrument :  
BNA\_N  
ClientSampleId :  
BGDR8

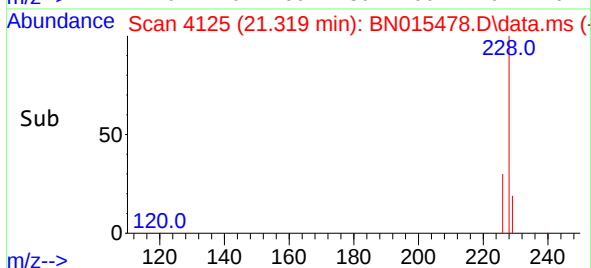
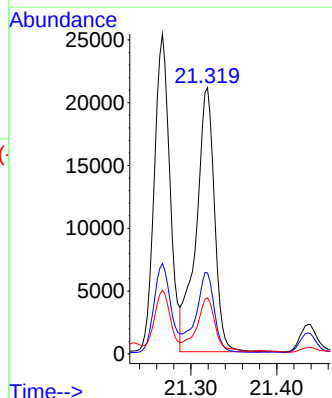
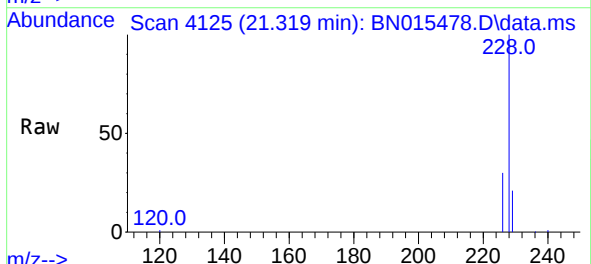
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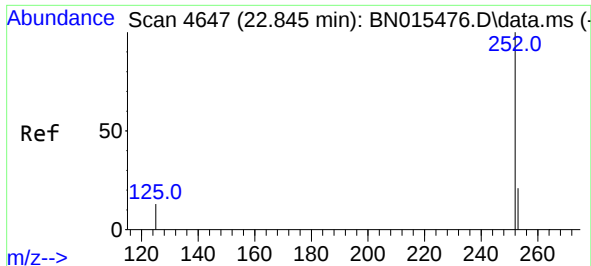
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#22  
Chrysene  
Concen: 0.747 ng/ul  
RT: 21.319 min Scan# 4125  
Delta R.T. -0.002 min  
Lab File: BN015478.D  
Acq: 10 Jul 2021 11:36

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 31244     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 30.4  | 24.6 37.0 |
| 229         | 21.1  | 15.7 23.5 |





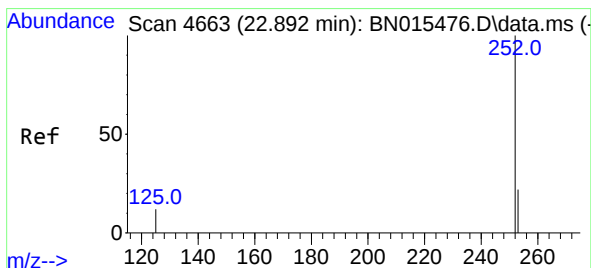
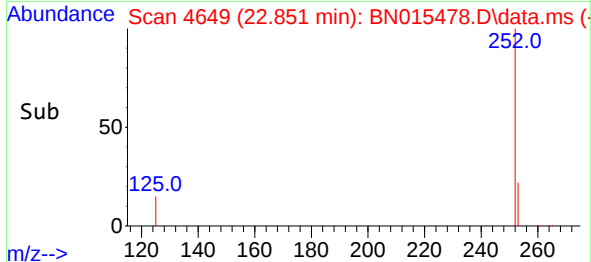
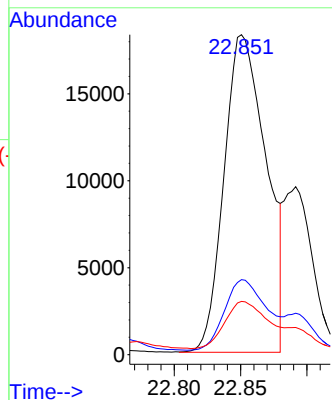
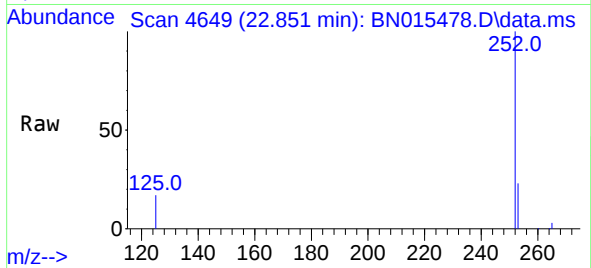
#24  
Benzo(b)fluoranthene  
Concen: 1.036 ng/ul m  
RT: 22.851 min Scan# 4649  
Delta R.T. -0.005 min  
Lab File: BN015478.D  
Acq: 10 Jul 2021 11:36

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:252 | Resp: | 40368    |
| Ion Ratio   | Lower | Upper    |
| 252         | 100   |          |
| 253         | 23.4  | 0.0 45.6 |
| 125         | 16.6  | 0.0 28.4 |

Instrument :  
BNA\_N  
ClientSampleId :  
BGDR8

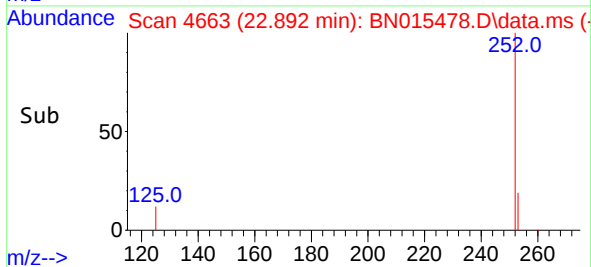
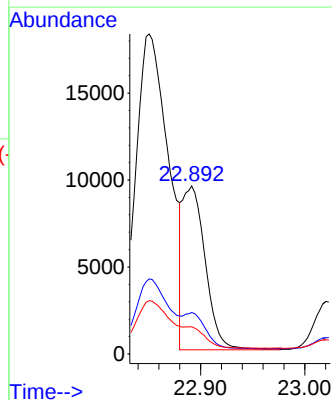
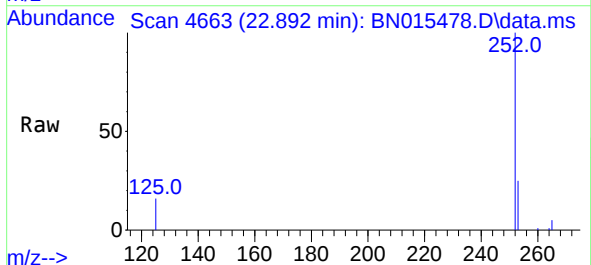
Manual Integrations  
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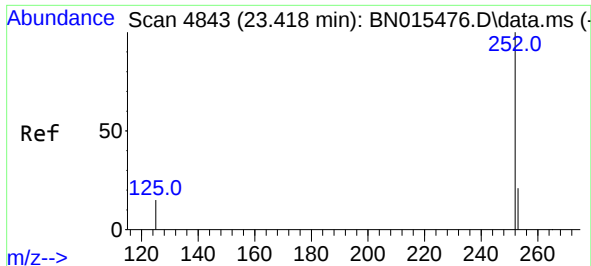
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#25  
Benzo(k)fluoranthene  
Concen: 0.323 ng/ul m  
RT: 22.892 min Scan# 4663  
Delta R.T. -0.008 min  
Lab File: BN015478.D  
Acq: 10 Jul 2021 11:36

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 14192     |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 24.6  | 18.1 27.1 |
| 125         | 16.2  | 11.5 17.3 |





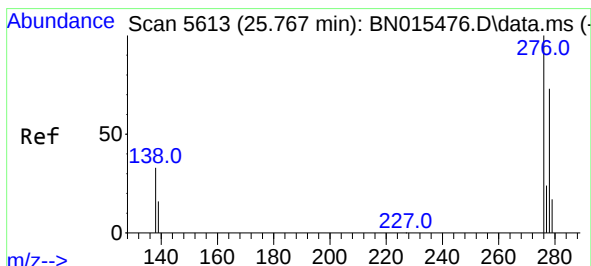
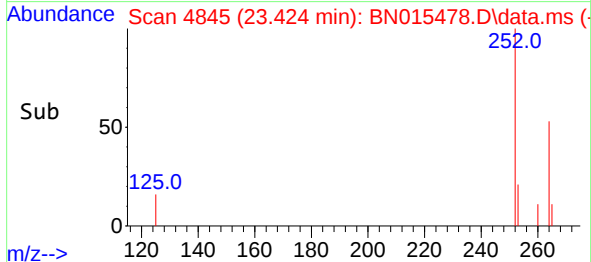
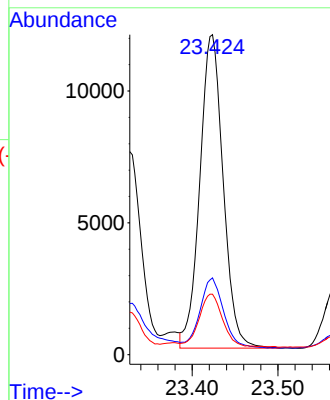
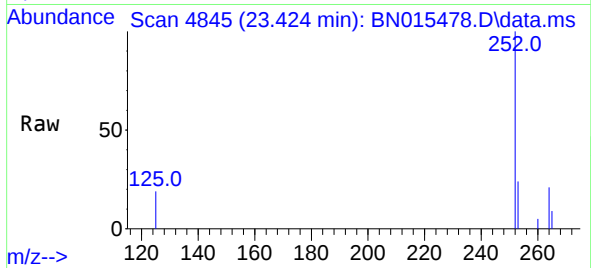
#26  
Benzo(a)pyrene  
Concen: 0.688 ng/ul  
RT: 23.424 min Scan# 4845  
Delta R.T. -0.005 min  
Lab File: BN015478.D  
Acq: 10 Jul 2021 11:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 22511 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.0  | 18.9  | 28.3  |
| 125       | 18.9  | 13.5  | 20.3  |

Instrument :  
BNA\_N  
ClientSampled :  
BGDR8

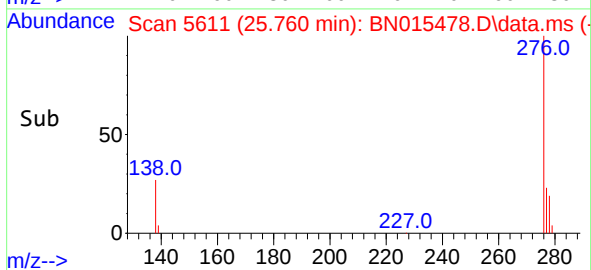
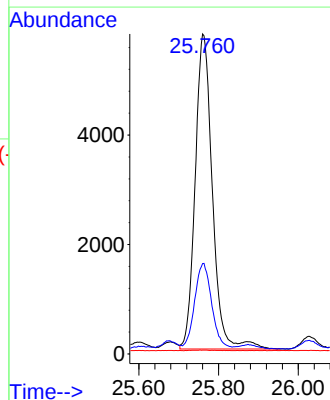
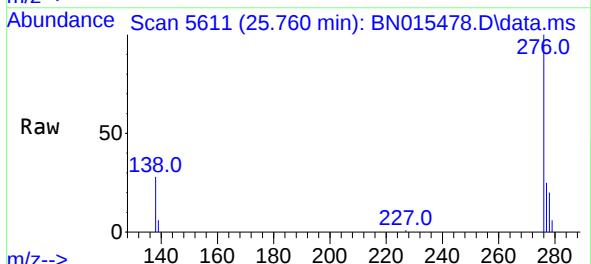
Manual Integrations  
APPROVED

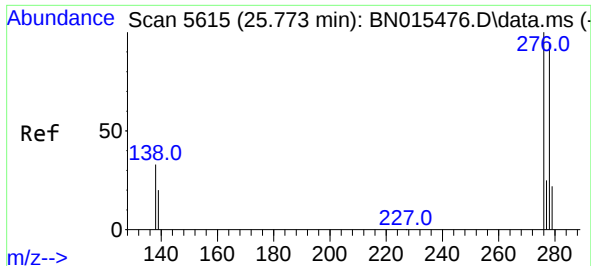
mohammad  
7/12/2021 9:34:20 AM



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.436 ng/ul  
RT: 25.760 min Scan# 5611  
Delta R.T. -0.016 min  
Lab File: BN015478.D  
Acq: 10 Jul 2021 11:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 17252 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 27.0  | 26.3  | 39.5  |
| 227       | 0.1   | 0.1   | 0.1#  |





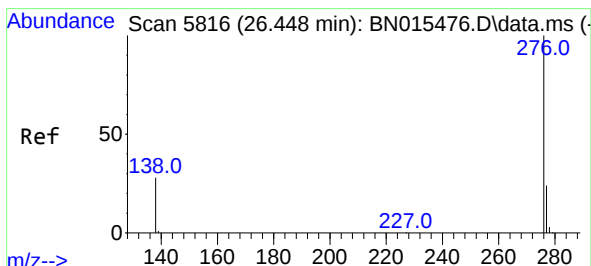
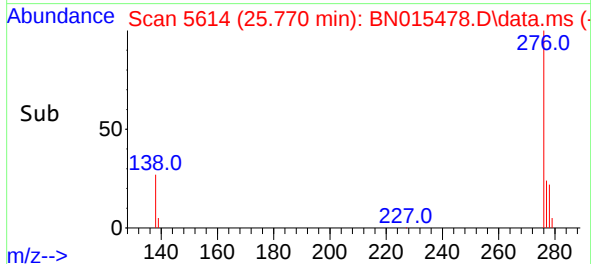
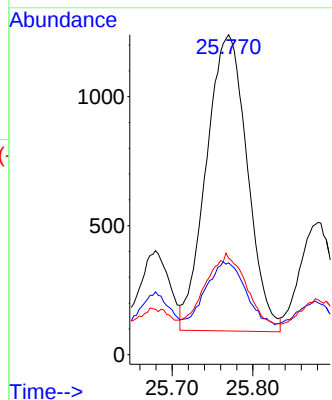
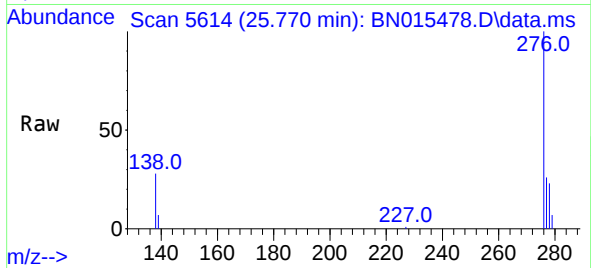
#28  
Dibenzo(a,h)anthracene  
Concen: 0.130 ng/ul  
RT: 25.770 min Scan# 5614  
Delta R.T. -0.020 min  
Lab File: BN015478.D  
Acq: 10 Jul 2021 11:36

Tgt Ion:278 Resp: 4044  
Ion Ratio Lower Upper  
278 100  
139 28.7 18.9 28.3#  
279 30.2 20.8 31.2

Instrument :  
BNA\_N  
ClientSampled :  
BGDR8

Manual Integrations  
APPROVED

mohammad  
7/12/2021 9:34:20 AM



#29  
Benzo(g,h,i)perylene  
Concen: 0.066 ng/ul  
RT: 26.451 min Scan# 5817  
Delta R.T. -0.013 min  
Lab File: BN015478.D  
Acq: 10 Jul 2021 11:36

Tgt Ion:276 Resp: 2421  
Ion Ratio Lower Upper  
276 100  
138 35.8 23.0 34.4#  
277 32.0 19.3 28.9#

