

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090221\  
 Data File : BN016179.D  
 Acq On : 03 Sep 2021 17:52  
 Operator : CG/JU  
 Sample : M3472-02DL 5X  
 Misc :  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AC0DL

Manual Integrations  
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 9/7/2021 11:32:52 AM

Quant Time: Sep 03 18:25:43 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN090121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 03 17:05:08 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.867  | 152  | 2486     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.666 | 136  | 10235    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.506 | 164  | 6038     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.254 | 188  | 11935    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.445 | 240  | 12655    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.839 | 264  | 12613    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.314  | 96   | 1450     | 0.501 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.255 | 152  | 504      | 0.035 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.285 | 212  | 1403     | 0.041 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.716 | 128  | 13345    | 0.490 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.332 | 142  | 11326    | 0.637 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.552 | 142  | 9259     | 0.522 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.224 | 152  | 4714     | 0.206 | ng/ul# | 93       |
| 11) Acenaphthene            | 14.571 | 153  | 384      | 0.020 | ng/ul# | 87       |
| 12) Fluorene                | 15.556 | 166  | 822      | 0.038 | ng/ul# | 81       |
| 15) Phenanthrene            | 17.297 | 178  | 20167    | 0.586 | ng/ul  | 99       |
| 16) Anthracene              | 17.385 | 178  | 2738     | 0.092 | ng/ul# | 93       |
| 19) Fluoranthene            | 19.313 | 202  | 11931    | 0.283 | ng/ul  | 99       |
| 20) Pyrene                  | 19.675 | 202  | 18124    | 0.424 | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 21.427 | 228  | 11530    | 0.298 | ng/ul# | 87       |
| 22) Chrysene                | 21.480 | 228  | 15328    | 0.351 | ng/ul# | 94       |
| 24) Benzo(b)fluoranthene    | 23.110 | 252  | 18080m   | 0.381 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.151 | 252  | 5196m    | 0.109 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.730 | 252  | 11698    | 0.291 | ng/ul# | 80       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.316 | 276  | 6930     | 0.133 | ng/ul# | 96       |
| 28) Dibenzo(a,h)anthracene  | 26.326 | 278  | 2390     | 0.056 | ng/ul# | 34       |
| 29) Benzo(g,h,i)perylene    | 27.081 | 276  | 7974     | 0.177 | ng/ul# | 89       |
| -----                       |        |      |          |       |        |          |

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

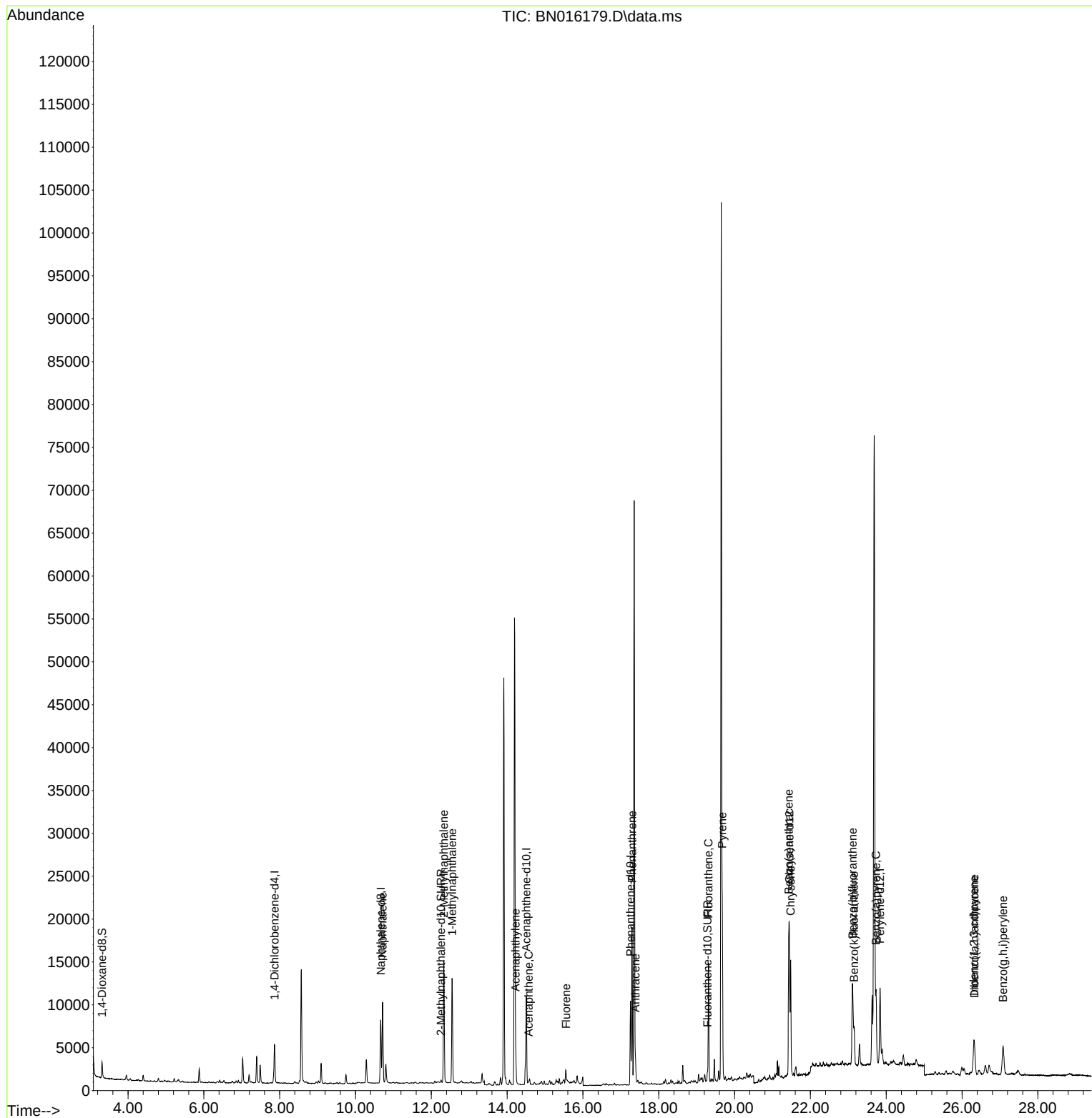
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090221\  
Data File : BN016179.D  
Acq On : 03 Sep 2021 17:52  
Operator : CG/JU  
Sample : M3472-02DL 5X  
Misc :  
ALS Vial : 49 Sample Multiplier: 1

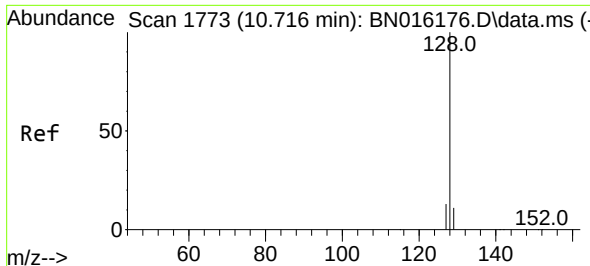
Instrument :  
BNA\_N  
ClientSampleId :  
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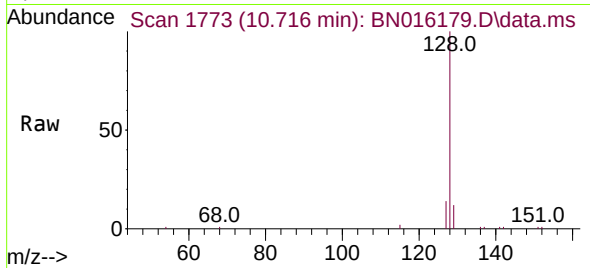
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Quant Time: Sep 03 18:25:43 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN090121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 03 17:05:08 2021  
Response via : Initial Calibration

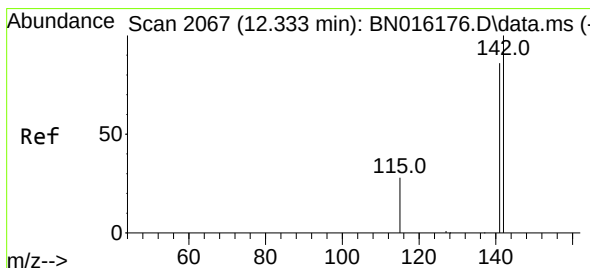
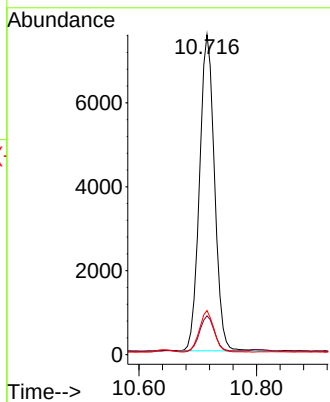
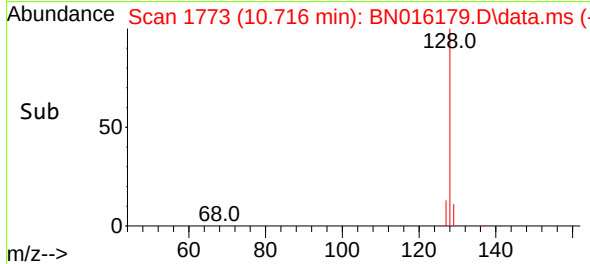




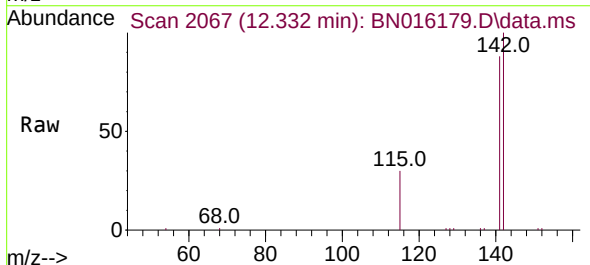
#5  
Naphthalene  
Concen: 0.490 ng/ul  
RT: 10.716 min Scan# 1773  
Delta R.T. -0.000 min  
Lab File: BN016179.D  
Acq: 03 Sep 2021 17:52



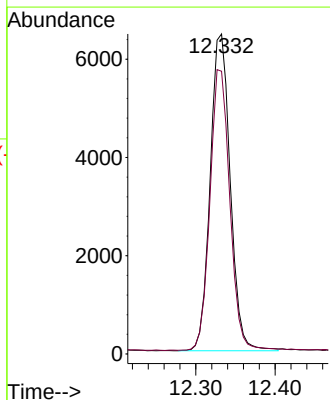
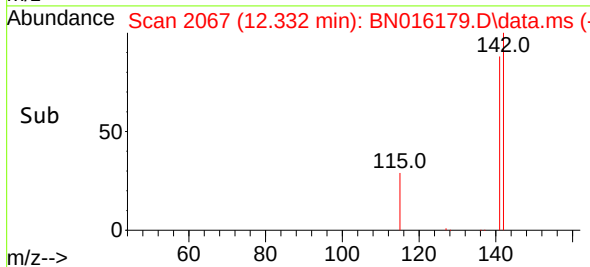
Tgt Ion:128 Resp: 13345  
Ion Ratio Lower Upper  
128 100  
129 12.1 9.4 14.2  
127 13.8 10.6 15.8



#7  
2-Methylnaphthalene  
Concen: 0.637 ng/ul  
RT: 12.332 min Scan# 2067  
Delta R.T. -0.000 min  
Lab File: BN016179.D  
Acq: 03 Sep 2021 17:52



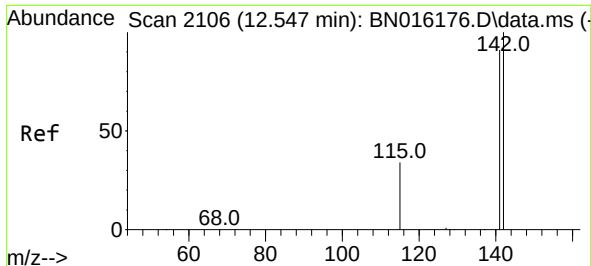
Tgt Ion:142 Resp: 11326  
Ion Ratio Lower Upper  
142 100  
141 87.7 69.5 104.3



Instrument :  
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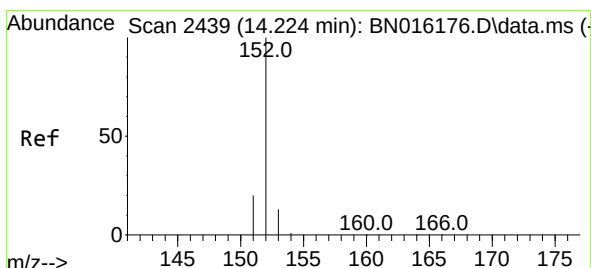
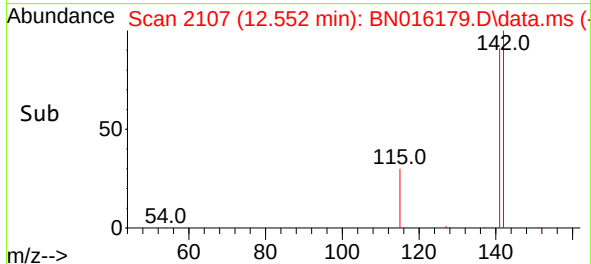
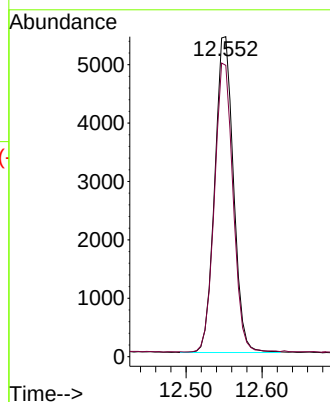
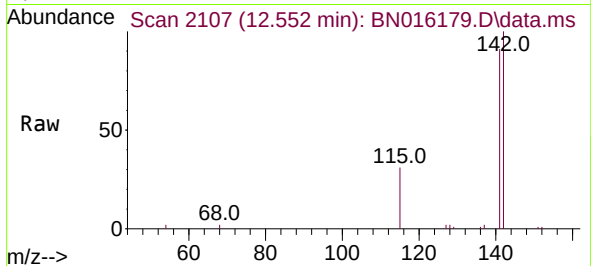
#8  
1-Methylnaphthalene  
Concen: 0.522 ng/ul  
RT: 12.552 min Scan# 2107  
Delta R.T. 0.005 min  
Lab File: BN016179.D  
Acq: 03 Sep 2021 17:52

Tgt Ion:142 Resp: 9259  
Ion Ratio Lower Upper  
142 100  
141 90.8 72.2 108.4

Instrument :  
BNA\_N  
ClientSampleId :  
C0AC0DL

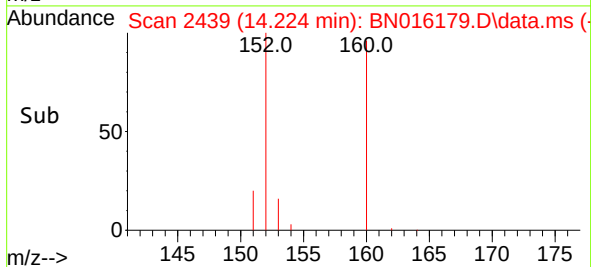
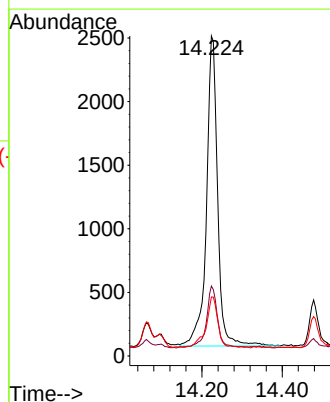
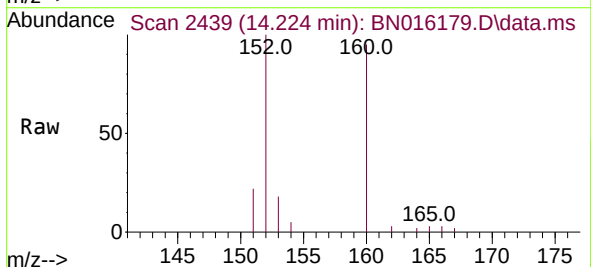
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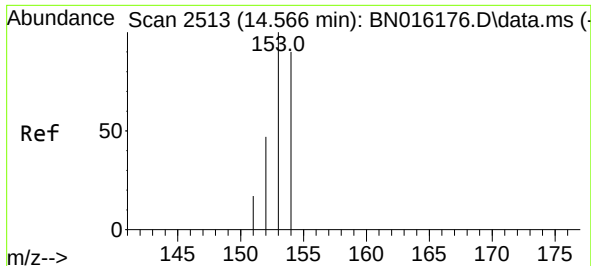
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#10  
Acenaphthylene  
Concen: 0.206 ng/ul  
RT: 14.224 min Scan# 2439  
Delta R.T. -0.000 min  
Lab File: BN016179.D  
Acq: 03 Sep 2021 17:52

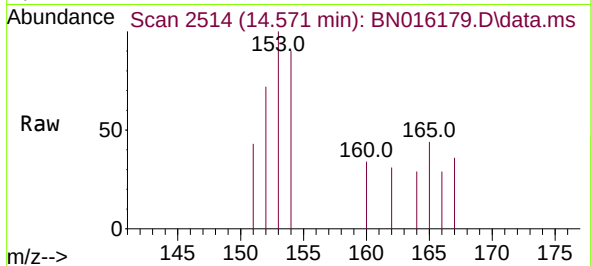
Tgt Ion:152 Resp: 4714  
Ion Ratio Lower Upper  
152 100  
151 21.9 15.8 23.6  
153 18.5 11.2 16.8#





#11  
Acenaphthene  
Concen: 0.020 ng/ul  
RT: 14.571 min Scan# 2514  
Delta R.T. 0.004 min  
Lab File: BN016179.D  
Acq: 03 Sep 2021 17:52

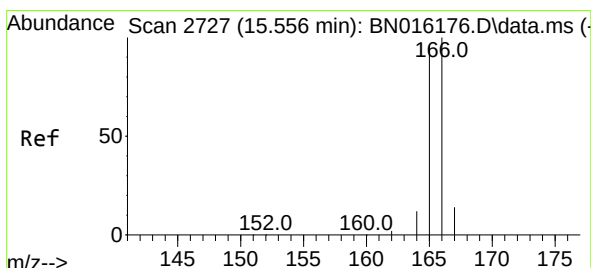
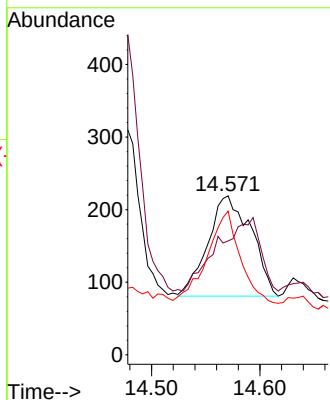
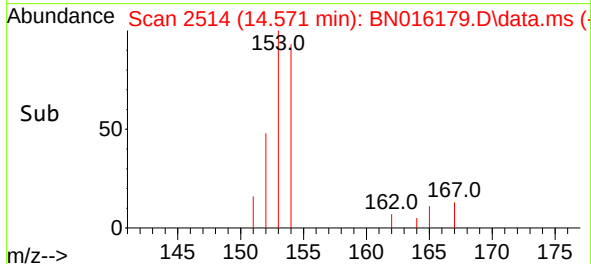
Instrument :  
BNA\_N  
ClientSampleId :  
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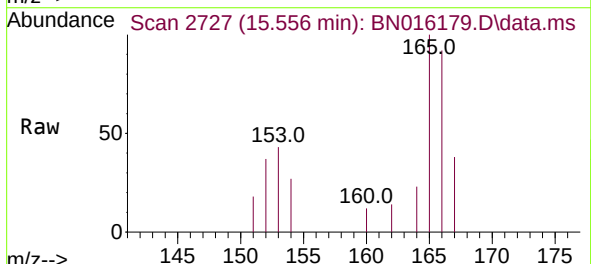
Tgt Ion:153 Resp: 384  
Ion Ratio Lower Upper  
153 100  
152 71.7 38.5 57.7#  
154 90.4 71.3 106.9

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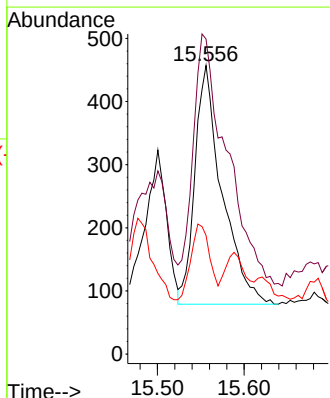
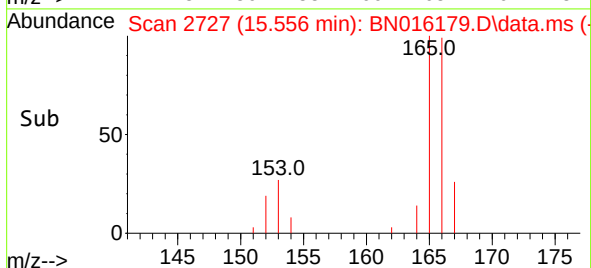
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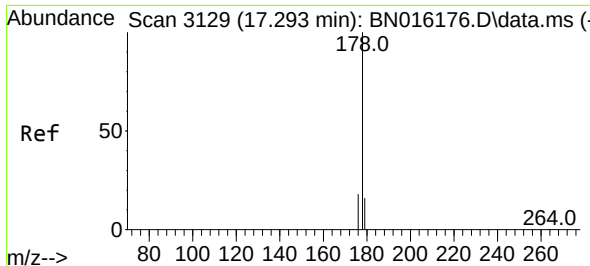


#12  
Fluorene  
Concen: 0.038 ng/ul  
RT: 15.556 min Scan# 2727  
Delta R.T. -0.000 min  
Lab File: BN016179.D  
Acq: 03 Sep 2021 17:52



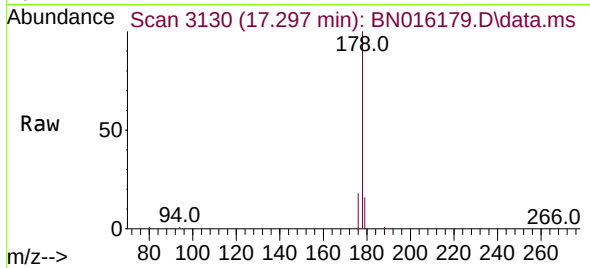
Tgt Ion:166 Resp: 822  
Ion Ratio Lower Upper  
166 100  
165 109.2 77.9 116.9  
167 41.1 11.8 17.8#





#15  
Phenanthrene  
Concen: 0.586 ng/u1  
RT: 17.297 min Scan# 3130  
Delta R.T. 0.004 min  
Lab File: BN016179.D  
Acq: 03 Sep 2021 17:52

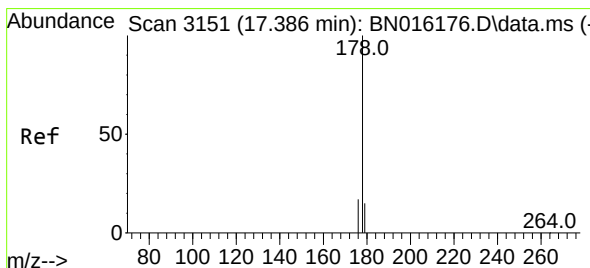
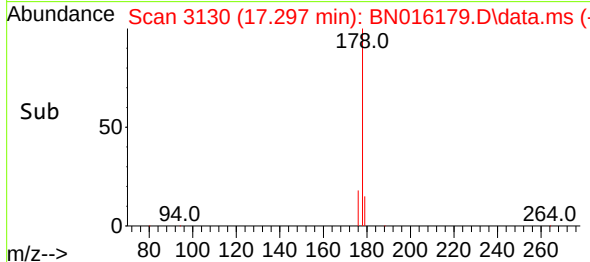
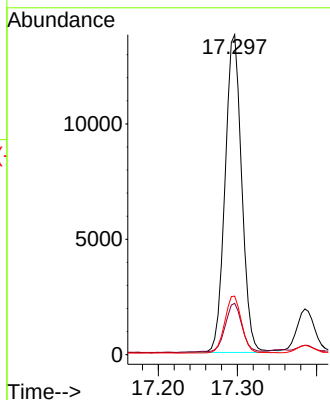
Instrument :  
BNA\_N  
ClientSampleId :  
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Tgt Ion:178 Resp: 20167  
Ion Ratio Lower Upper  
178 100  
179 16.0 12.9 19.3  
176 18.3 15.2 22.8

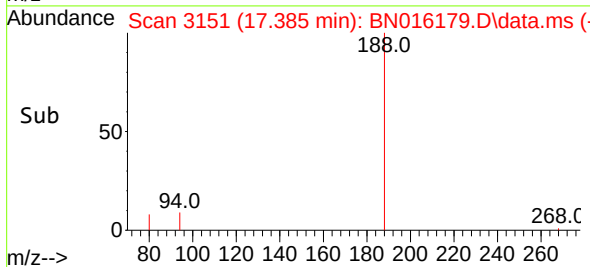
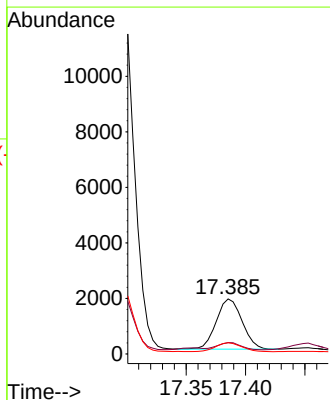
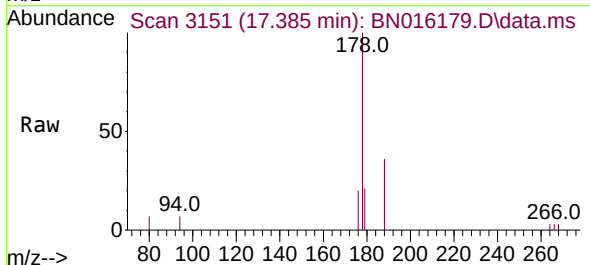
Manual Integrations  
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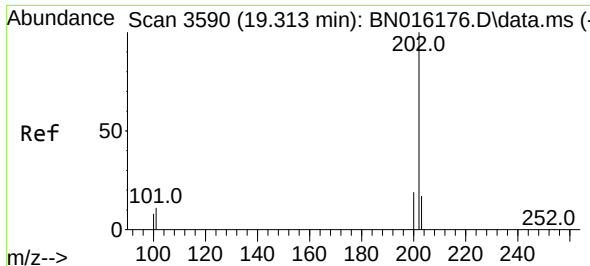
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#16  
Anthracene  
Concen: 0.092 ng/u1  
RT: 17.385 min Scan# 3151  
Delta R.T. -0.000 min  
Lab File: BN016179.D  
Acq: 03 Sep 2021 17:52

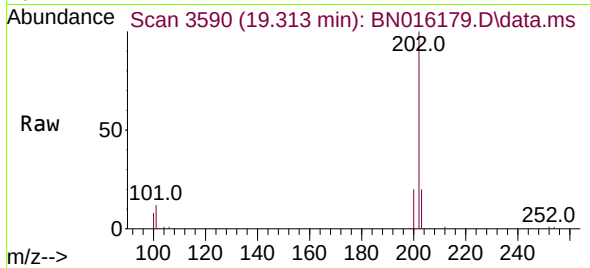
Tgt Ion:178 Resp: 2738  
Ion Ratio Lower Upper  
178 100  
179 20.8 13.3 19.9#  
176 20.4 14.9 22.3





#19  
Fluoranthene  
Concen: 0.283 ng/ul  
RT: 19.313 min Scan# 3590  
Delta R.T. -0.000 min  
Lab File: BN016179.D  
Acq: 03 Sep 2021 17:52

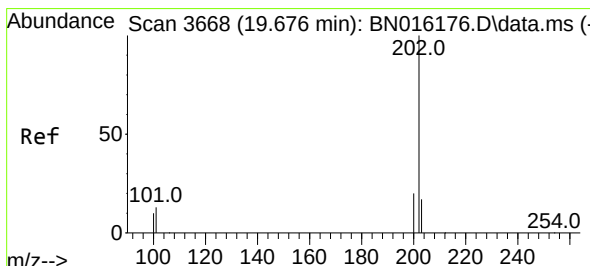
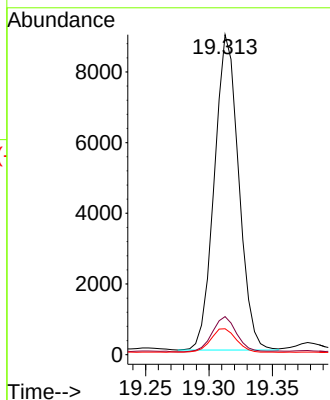
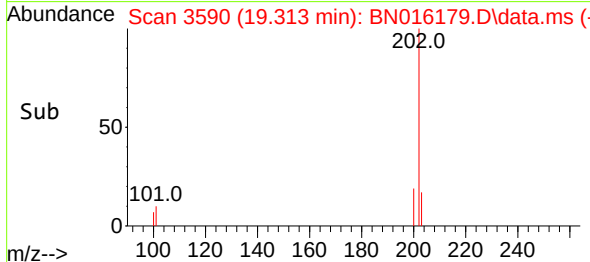
Instrument :  
BNA\_N  
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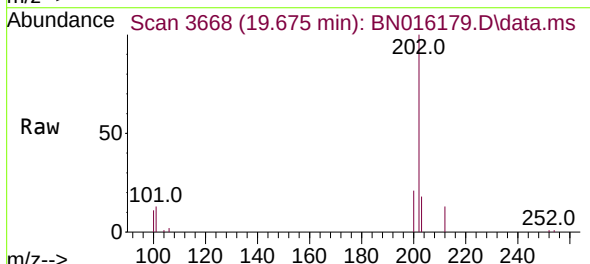
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.9  | 9.2   | 13.8  |
| 100     | 8.1   | 6.7   | 10.1  |

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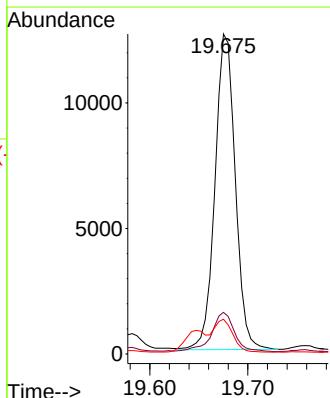
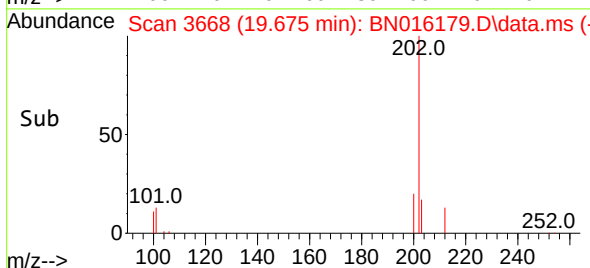
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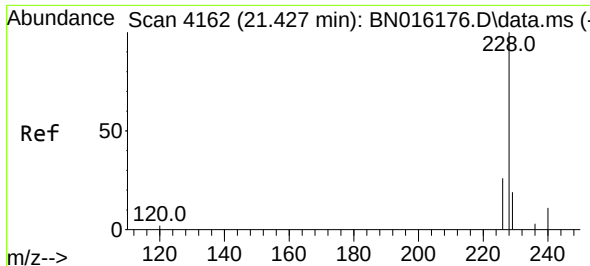


#20  
Pyrene  
Concen: 0.424 ng/ul  
RT: 19.675 min Scan# 3668  
Delta R.T. -0.000 min  
Lab File: BN016179.D  
Acq: 03 Sep 2021 17:52

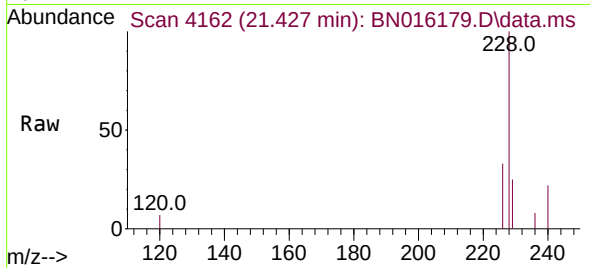


| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 13.0  | 11.5  | 17.3  |
| 100     | 10.9  | 9.8   | 14.8  |

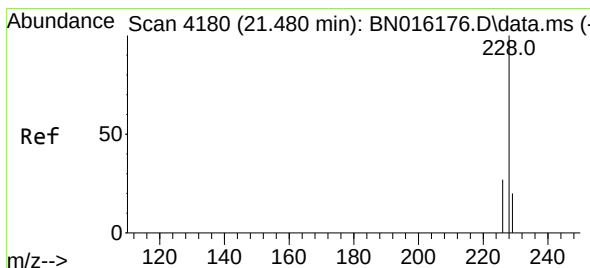
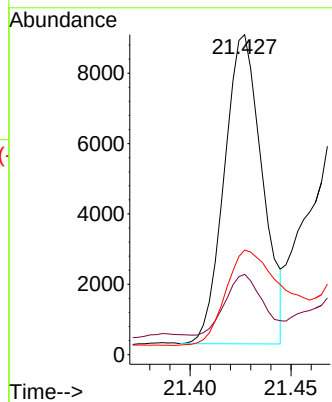
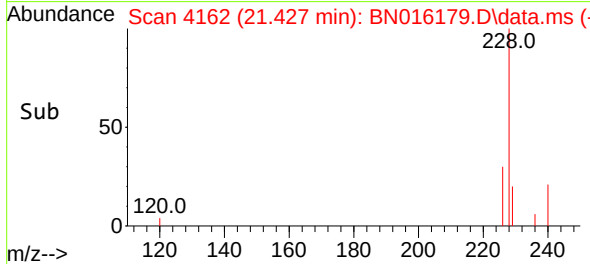




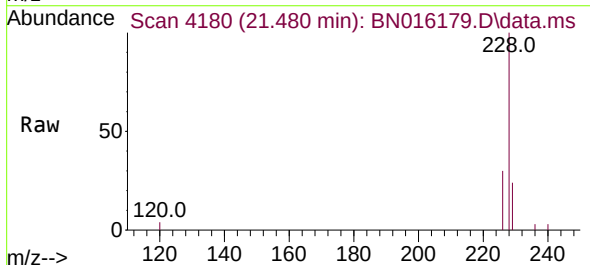
#21  
Benzo(a)anthracene  
Concen: 0.298 ng/ul  
RT: 21.427 min Scan# 4162  
Delta R.T. -0.000 min  
Lab File: BN016179.D  
Acq: 03 Sep 2021 17:52



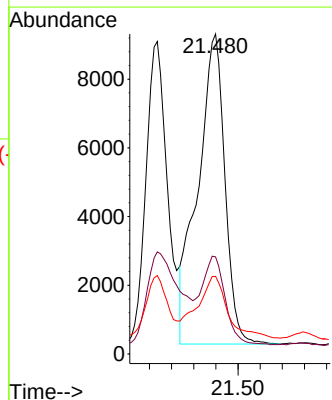
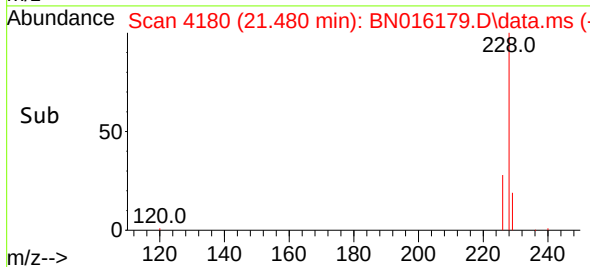
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Ion Ratio Lower Upper  
228 100  
229 25.1 15.7 23.5#  
226 32.7 20.8 31.2#



#22  
Chrysene  
Concen: 0.351 ng/ul  
RT: 21.480 min Scan# 4180  
Delta R.T. -0.000 min  
Lab File: BN016179.D  
Acq: 03 Sep 2021 17:52



Tgt Ion:228 Resp: 15328  
Ion Ratio Lower Upper  
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226 30.4 23.2 34.8  
229 24.2 15.6 23.4#

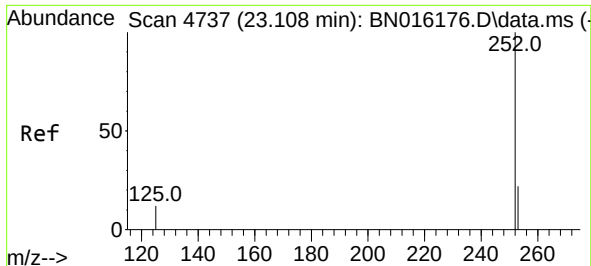


Instrument :  
BNA\_N  
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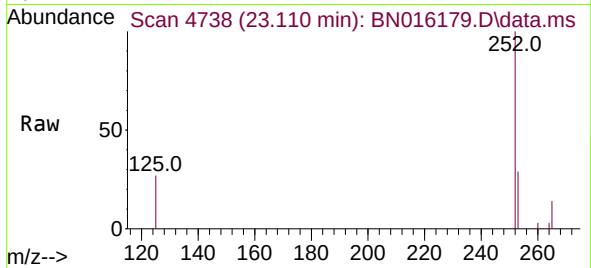
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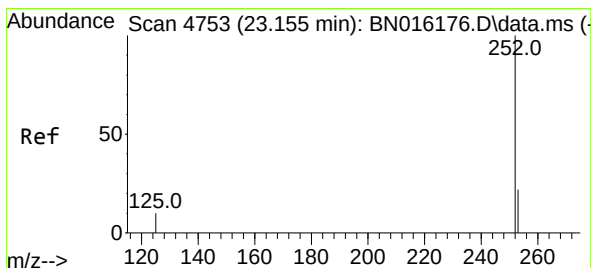
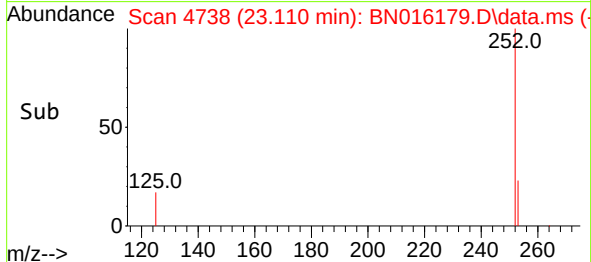
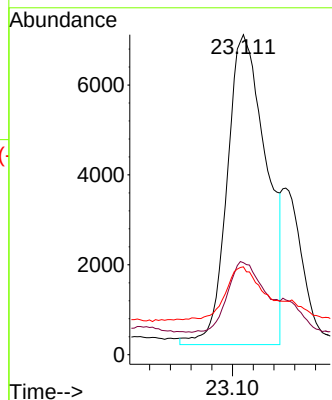




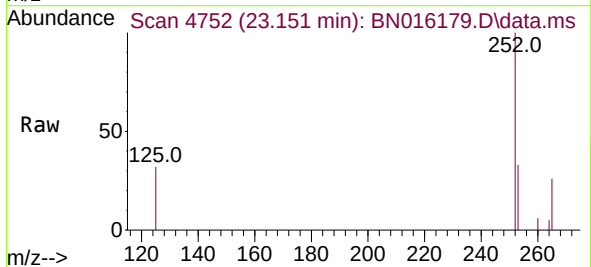
#24  
Benzo(b)fluoranthene  
Concen: 0.381 ng/ul m  
RT: 23.110 min Scan# 4738  
Delta R.T. 0.002 min  
Lab File: BN016179.D  
Acq: 03 Sep 2021 17:52



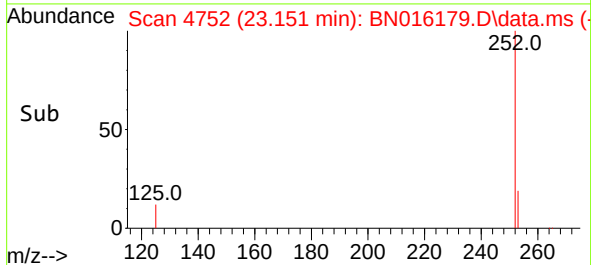
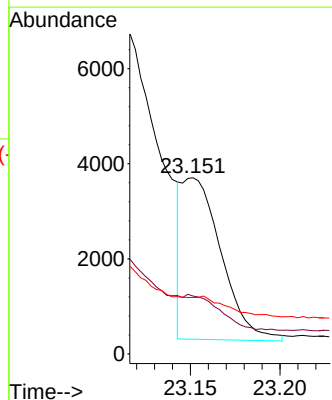
Tgt Ion:252 Resp: 18080  
Ion Ratio Lower Upper  
252 100  
253 28.8 0.0 49.4  
125 27.4 0.0 27.0#



#25  
Benzo(k)fluoranthene  
Concen: 0.109 ng/ul m  
RT: 23.151 min Scan# 4752  
Delta R.T. -0.003 min  
Lab File: BN016179.D  
Acq: 03 Sep 2021 17:52



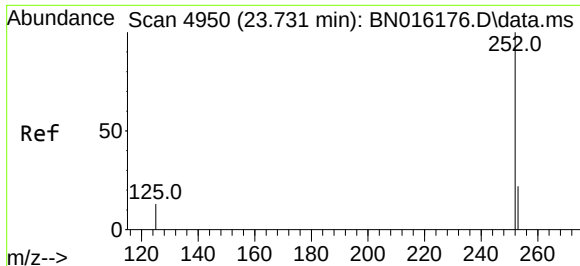
Tgt Ion:252 Resp: 5196  
Ion Ratio Lower Upper  
252 100  
253 32.9 19.4 29.0#  
125 32.1 10.9 16.3#



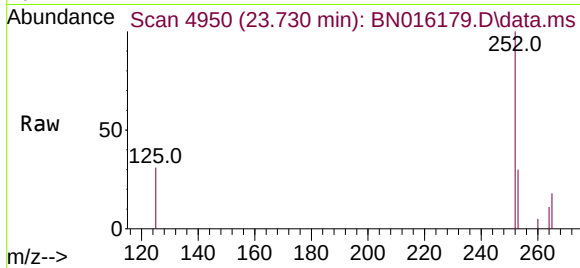
Instrument :  
BNA\_N  
ClientSampleId :  
C0AC0DL

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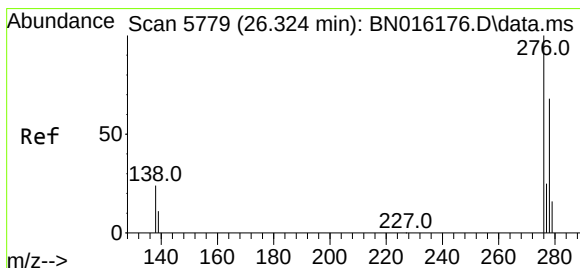
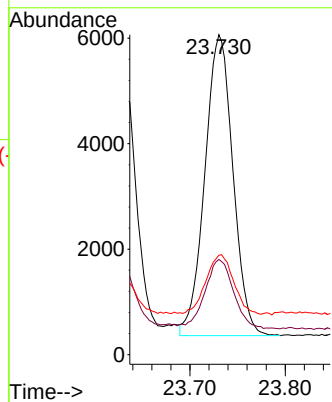
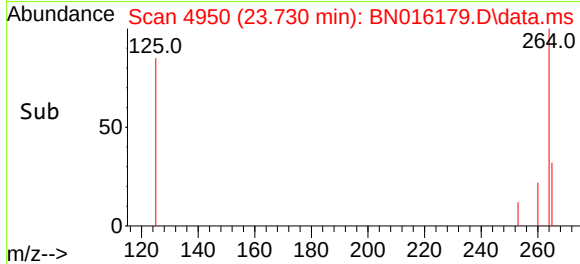
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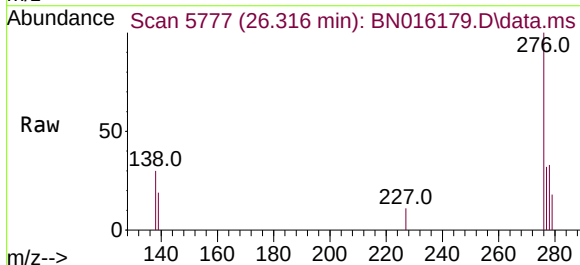
#26  
Benzo(a)pyrene  
Concen: 0.291 ng/ul  
RT: 23.730 min Scan# 4950  
Delta R.T. -0.000 min  
Lab File: BN016179.D  
Acq: 03 Sep 2021 17:52



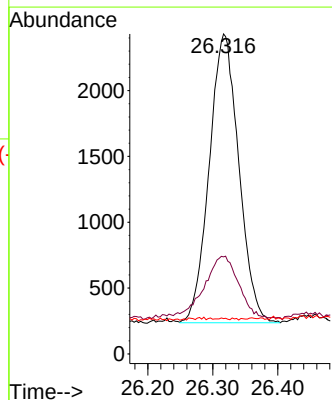
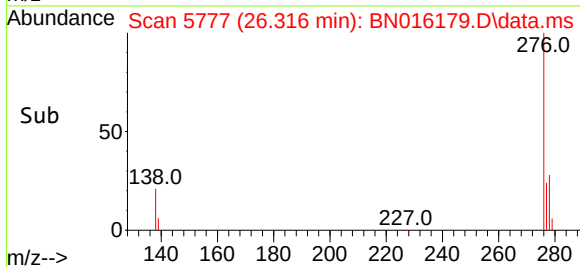
Tgt Ion:252 Resp: 11698  
Ion Ratio Lower Upper  
252 100  
253 29.8 20.2 30.2  
125 31.1 12.6 18.8#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.133 ng/ul  
RT: 26.316 min Scan# 5777  
Delta R.T. -0.007 min  
Lab File: BN016179.D  
Acq: 03 Sep 2021 17:52



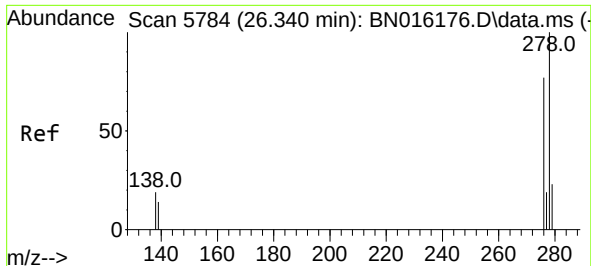
Tgt Ion:276 Resp: 6930  
Ion Ratio Lower Upper  
276 100  
138 26.5 22.7 34.1  
227 0.1 0.2 0.2#



Instrument :  
BNA\_N  
ClientSampleId :  
C0AC0DL

Manual Integrations  
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#28

Dibenzo(a,h)anthracene

Concen: 0.056 ng/ul

RT: 26.326 min Scan# 5780

Delta R.T. -0.014 min

Lab File: BN016179.D

Acq: 03 Sep 2021 17:52

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 2390  |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 54.0  | 15.1  | 22.7# |
| 279       | 54.8  | 20.5  | 30.7# |

Instrument :

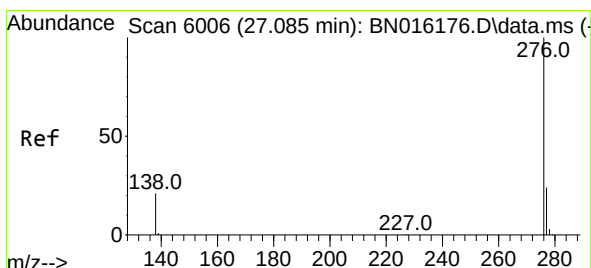
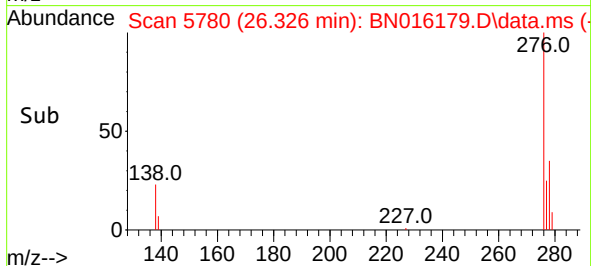
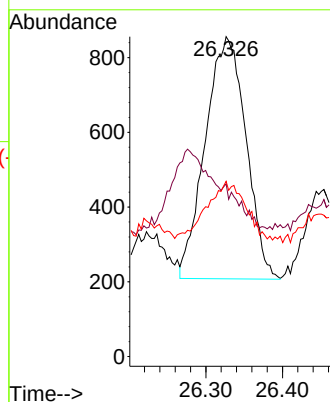
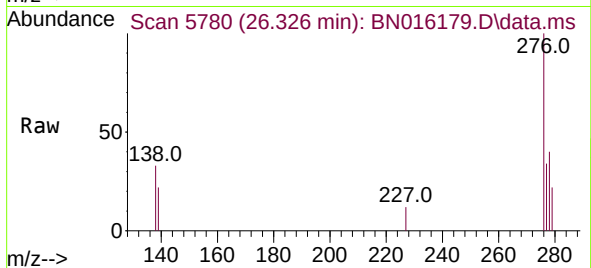
BNA\_N

ClientSampled :

C0AC0DL

Manual Integrations  
APPROVED

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#29

Benzo(g,h,i)perylene

Concen: 0.177 ng/ul

RT: 27.081 min Scan# 6005

Delta R.T. -0.004 min

Lab File: BN016179.D

Acq: 03 Sep 2021 17:52

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 7974  |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 28.5  | 19.3  | 28.9  |
| 277       | 31.0  | 19.8  | 29.8# |

