

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090221\  
 Data File : BN016175.D  
 Acq On : 03 Sep 2021 15:17  
 Operator : CG/JU  
 Sample : M3472-05  
 Misc :  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0AS3

Manual Integrations  
 APPROVED

mohammad  
 9/7/2021 11:32:41 AM

Quant Time: Sep 03 15:54:56 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 : Thu Sep 02 13:32:21 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.867  | 152  | 2587     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.666 | 136  | 10770    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.506 | 164  | 6327     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.255 | 188  | 12878    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.442 | 240  | 13258    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.836 | 264  | 13142    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.315  | 96   | 962      | 0.319 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.256 | 152  | 2954     | 0.195 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.285 | 212  | 6911     | 0.194 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.716 | 128  | 5144     | 0.179 | ng/ul  | 96       |
| 7) 2-Methylnaphthalene      | 12.333 | 142  | 3668     | 0.196 | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.553 | 142  | 3027     | 0.162 | ng/ul  | 98       |
| 10) Acenaphthylene          | 14.224 | 152  | 4443     | 0.186 | ng/ul# | 95       |
| 11) Acenaphthene            | 14.571 | 153  | 1151     | 0.057 | ng/ul  | 95       |
| 12) Fluorene                | 15.556 | 166  | 1750     | 0.076 | ng/ul# | 96       |
| 15) Phenanthrene            | 17.293 | 178  | 42940    | 1.157 | ng/ul  | 98       |
| 16) Anthracene              | 17.386 | 178  | 7447     | 0.232 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.313 | 202  | 75106    | 1.701 | ng/ul  | 98       |
| 20) Pyrene                  | 19.675 | 202  | 64229    | 1.436 | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 21.424 | 228  | 38608    | 0.952 | ng/ul  | 96       |
| 22) Chrysene                | 21.480 | 228  | 40833    | 0.891 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.108 | 252  | 50027m   | 1.012 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.152 | 252  | 19448m   | 0.391 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.731 | 252  | 31583    | 0.753 | ng/ul# | 94       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.317 | 276  | 22885    | 0.422 | ng/ul# | 90       |
| 28) Dibenzo(a,h)anthracene  | 26.327 | 278  | 6475     | 0.145 | ng/ul# | 67       |
| 29) Benzo(g,h,i)perylene    | 27.081 | 276  | 21169    | 0.450 | ng/ul  | 96       |
| -----                       |        |      |          |       |        |          |

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

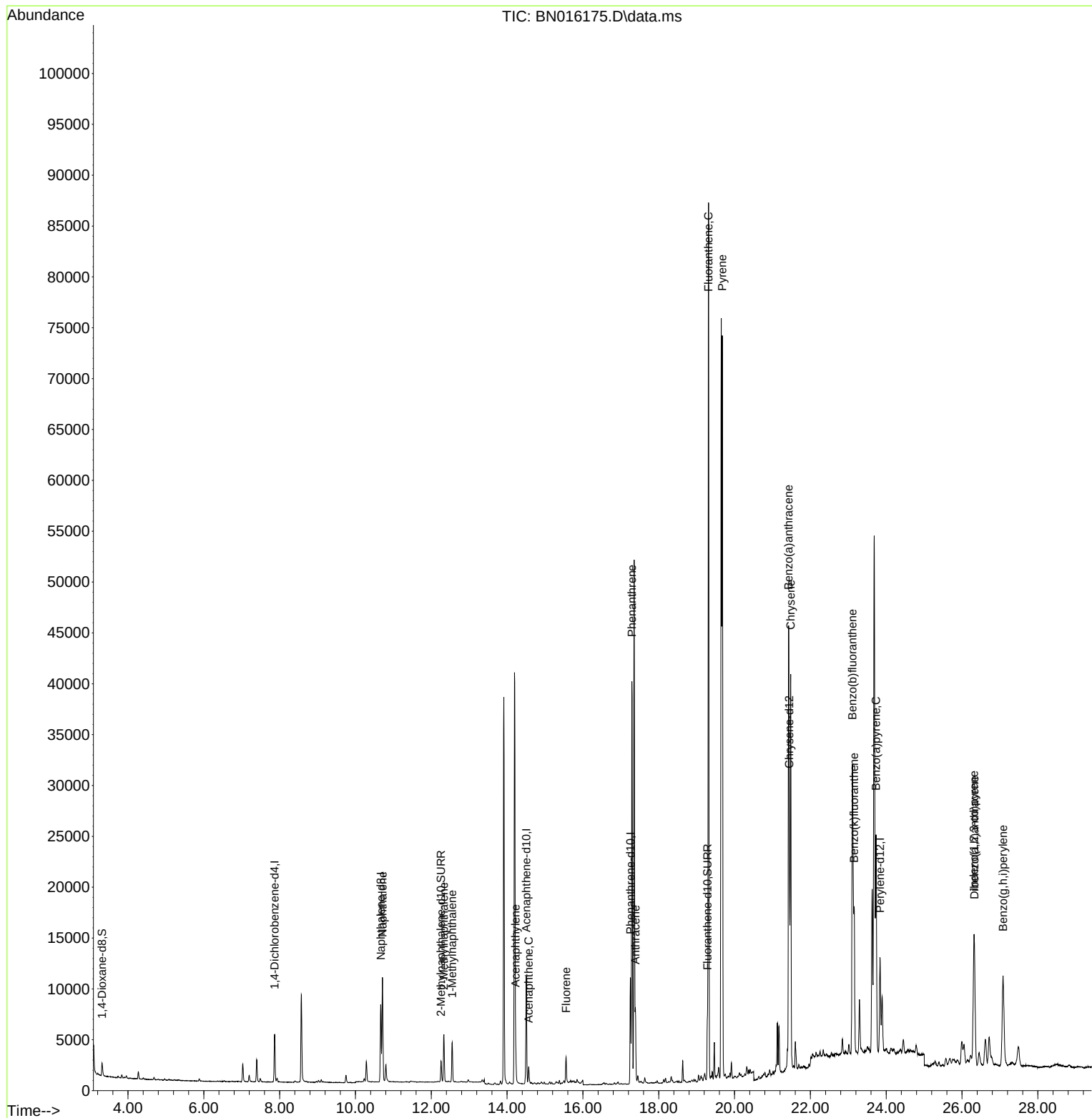
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090221\  
Data File : BN016175.D  
Acq On : 03 Sep 2021 15:17  
Operator : CG/JU  
Sample : M3472-05  
Misc :  
ALS Vial : 45 Sample Multiplier: 1

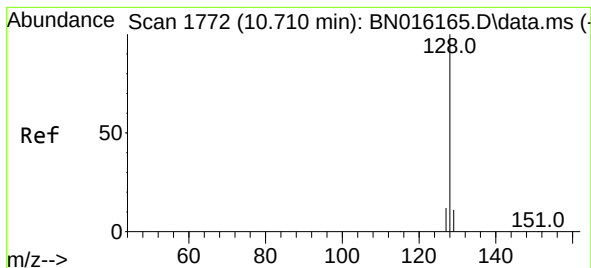
Instrument :  
BNA\_N  
ClientSampleId :  
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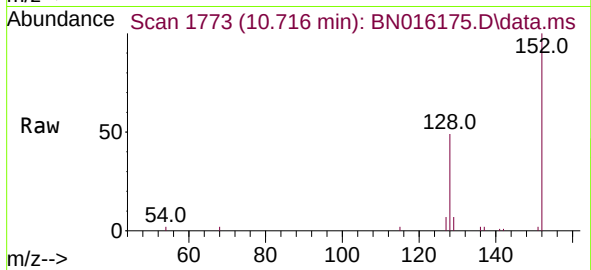
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Quant Time: Sep 03 15:54:56 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN090121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 02 13:32:21 2021  
Response via : Initial Calibration

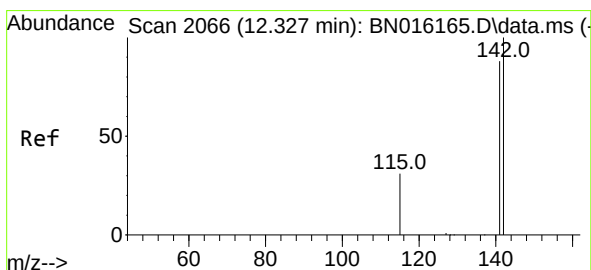
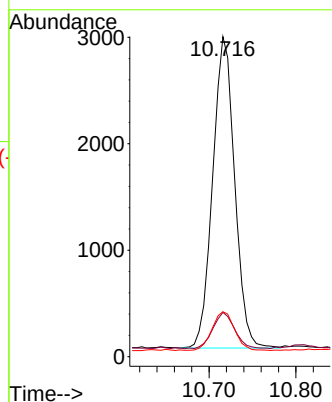
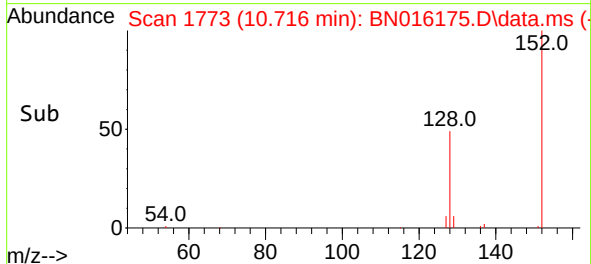




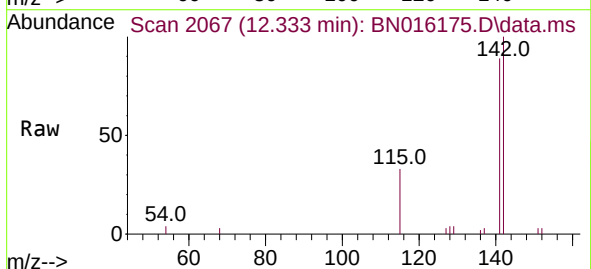
#5  
Naphthalene  
Concen: 0.179 ng/ul  
RT: 10.716 min Scan# 1773  
Delta R.T. 0.005 min  
Lab File: BN016175.D  
Acq: 03 Sep 2021 15:17



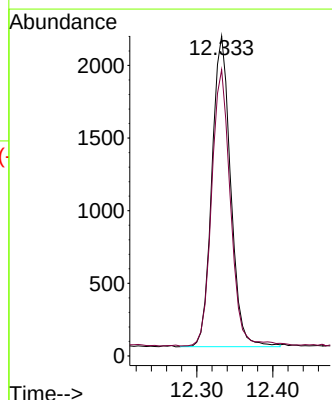
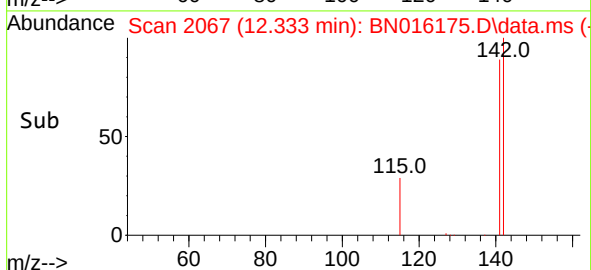
Tgt Ion:128 Resp: 5144  
Ion Ratio Lower Upper  
128 100  
129 13.9 9.4 14.2  
127 14.1 10.6 15.8



#7  
2-Methylnaphthalene  
Concen: 0.196 ng/ul  
RT: 12.333 min Scan# 2067  
Delta R.T. 0.005 min  
Lab File: BN016175.D  
Acq: 03 Sep 2021 15:17



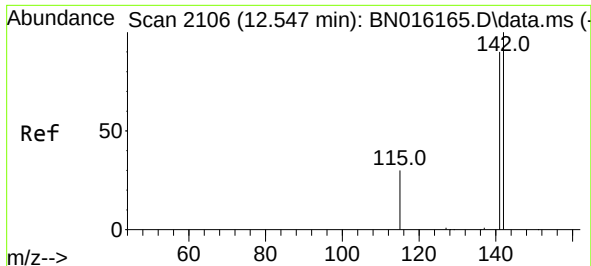
Tgt Ion:142 Resp: 3668  
Ion Ratio Lower Upper  
142 100  
141 88.8 69.5 104.3



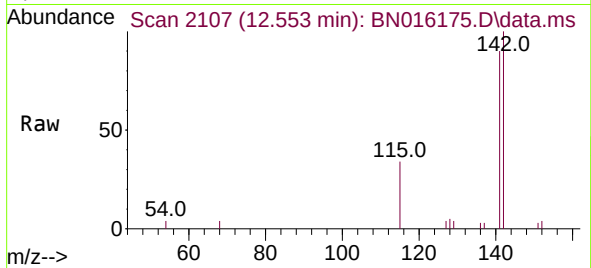
Instrument :  
BNA\_N  
ClientSampled :  
C0AS3

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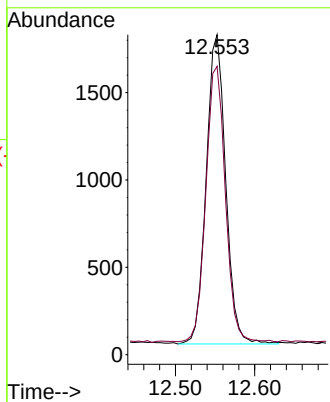
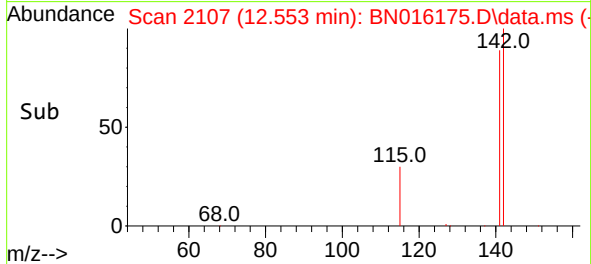
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#8  
1-Methylnaphthalene  
Concen: 0.162 ng/ul  
RT: 12.553 min Scan# 2107  
Delta R.T. 0.005 min  
Lab File: BN016175.D  
Acq: 03 Sep 2021 15:17



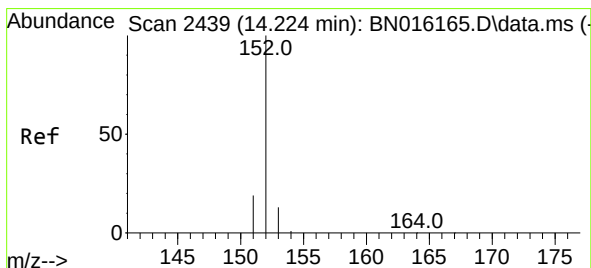
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Ion Ratio Lower Upper  
142 100  
141 88.7 72.2 108.4



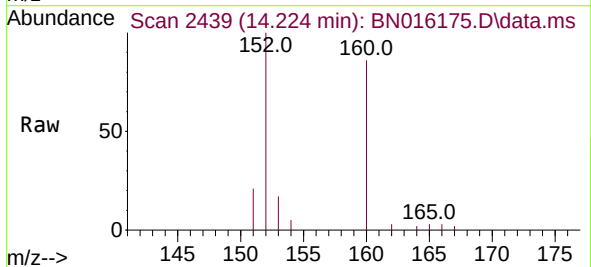
Instrument :  
BNA\_N  
ClientSampleId :  
C0AS3

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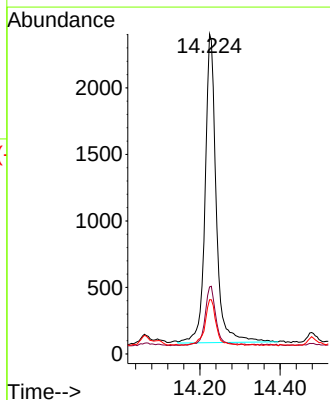
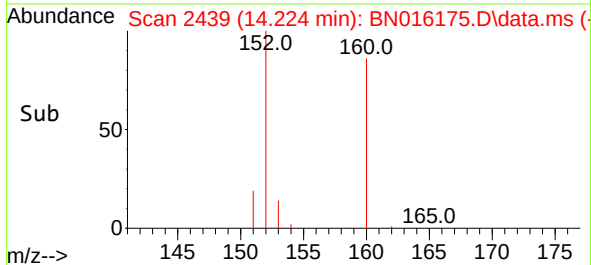
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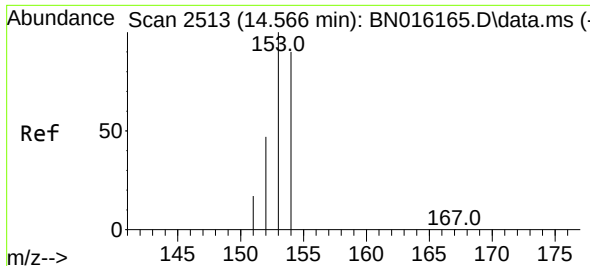


#10  
Acenaphthylene  
Concen: 0.186 ng/ul  
RT: 14.224 min Scan# 2439  
Delta R.T. 0.005 min  
Lab File: BN016175.D  
Acq: 03 Sep 2021 15:17

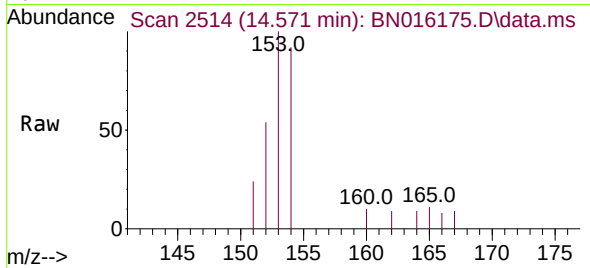


Tgt Ion:152 Resp: 4443  
Ion Ratio Lower Upper  
152 100  
151 21.0 15.8 23.6  
153 17.0 11.2 16.8#

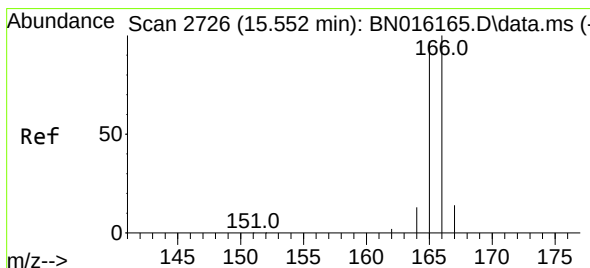
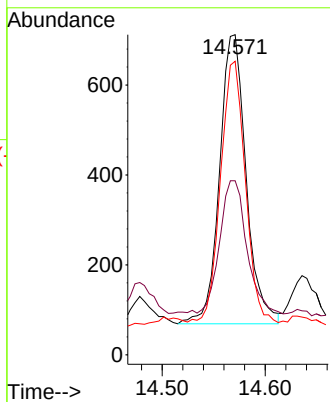
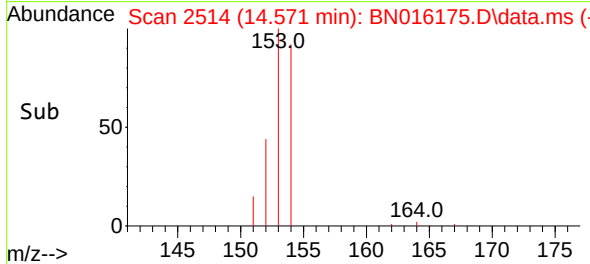




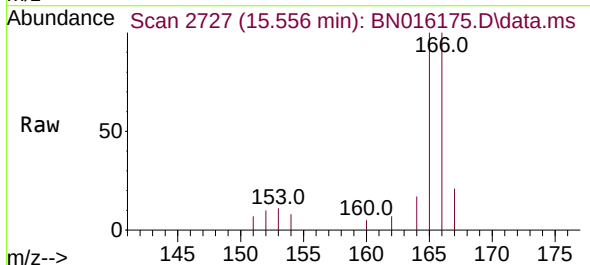
#11  
Acenaphthene  
Concen: 0.057 ng/ul  
RT: 14.571 min Scan# 2514  
Delta R.T. 0.005 min  
Lab File: BN016175.D  
Acq: 03 Sep 2021 15:17



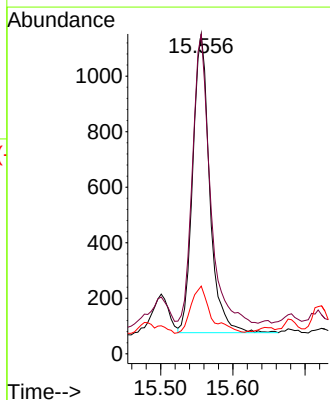
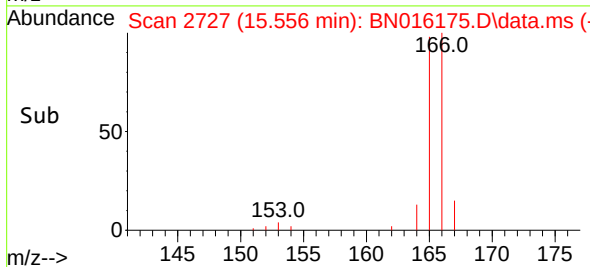
Tgt Ion:153 Resp: 1151  
Ion Ratio Lower Upper  
153 100  
152 54.4 38.5 57.7  
154 91.7 71.3 106.9



#12  
Fluorene  
Concen: 0.076 ng/ul  
RT: 15.556 min Scan# 2727  
Delta R.T. 0.005 min  
Lab File: BN016175.D  
Acq: 03 Sep 2021 15:17



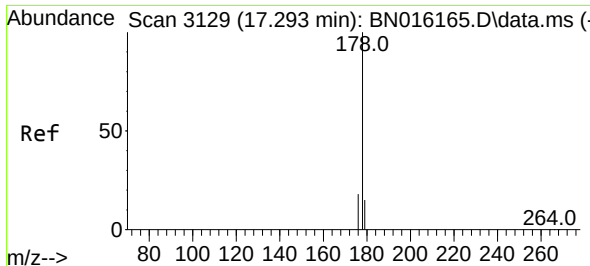
Tgt Ion:166 Resp: 1750  
Ion Ratio Lower Upper  
166 100  
165 99.8 77.9 116.9  
167 21.2 11.8 17.8#



Instrument :  
BNA\_N  
ClientSampleId :  
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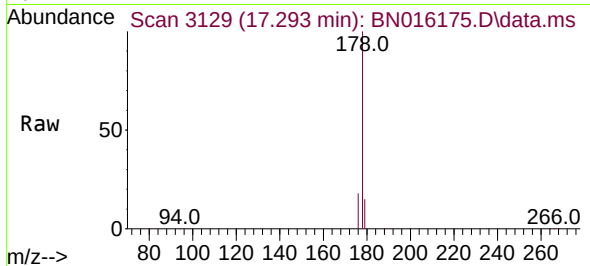
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#15  
Phenanthrene  
Concen: 1.157 ng/ul  
RT: 17.293 min Scan# 3129  
Delta R.T. -0.000 min  
Lab File: BN016175.D  
Acq: 03 Sep 2021 15:17

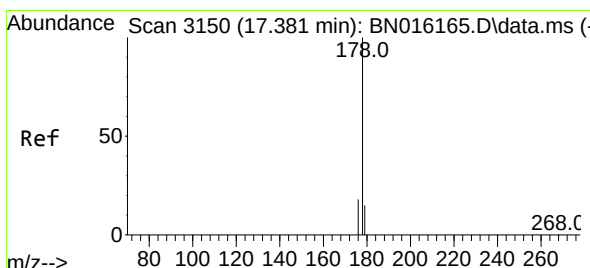
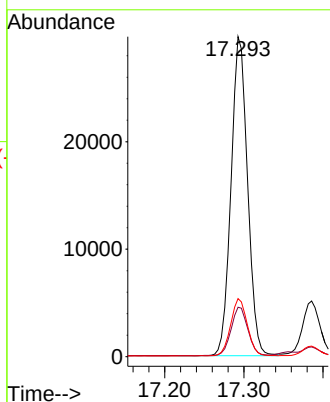
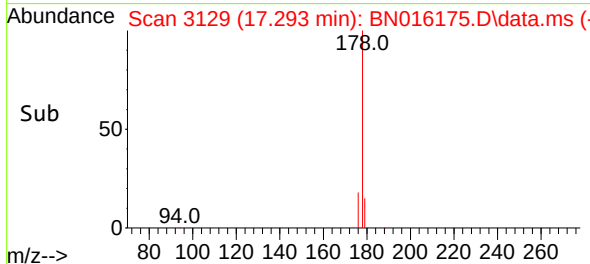
Instrument :  
BNA\_N  
ClientSampled :  
C0AS3



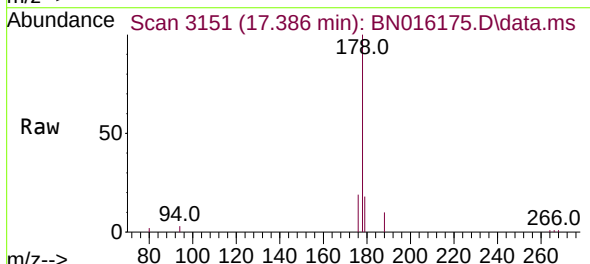
Tgt Ion:178 Resp: 42940  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.9 19.3  
176 18.2 15.2 22.8

Manual Integrations  
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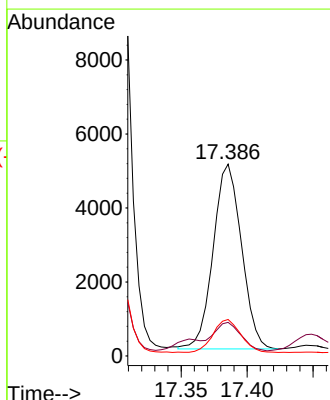
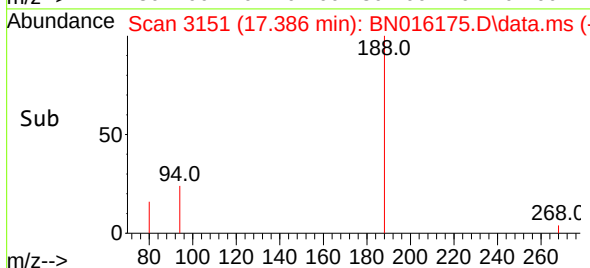
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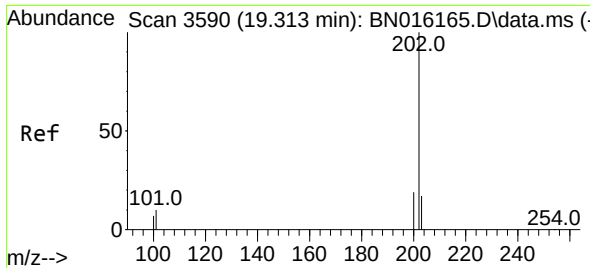


#16  
Anthracene  
Concen: 0.232 ng/ul  
RT: 17.386 min Scan# 3151  
Delta R.T. 0.004 min  
Lab File: BN016175.D  
Acq: 03 Sep 2021 15:17



Tgt Ion:178 Resp: 7447  
Ion Ratio Lower Upper  
178 100  
179 17.5 13.3 19.9  
176 19.0 14.9 22.3





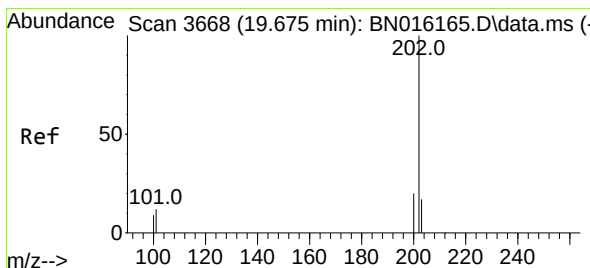
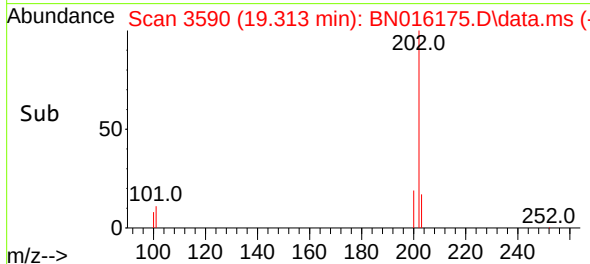
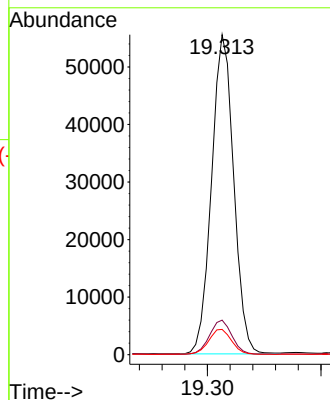
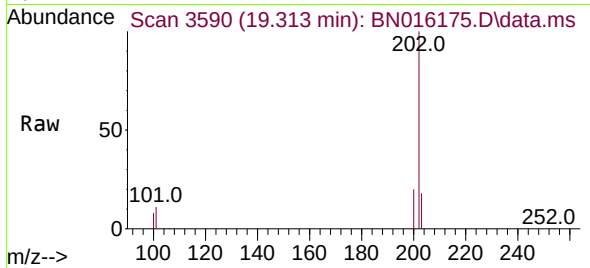
#19  
Fluoranthene  
Concen: 1.701 ng/u1  
RT: 19.313 min Scan# 3590  
Delta R.T. -0.000 min  
Lab File: BN016175.D  
Acq: 03 Sep 2021 15:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 75106 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 10.8  | 9.2   | 13.8  |
| 100       | 7.9   | 6.7   | 10.1  |

Instrument :  
BNA\_N  
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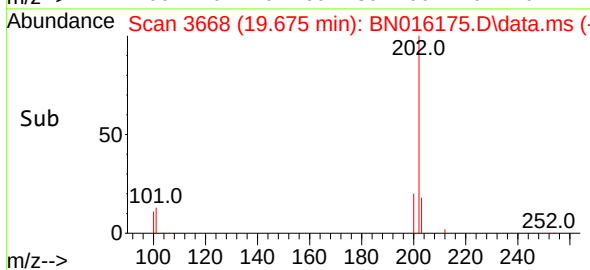
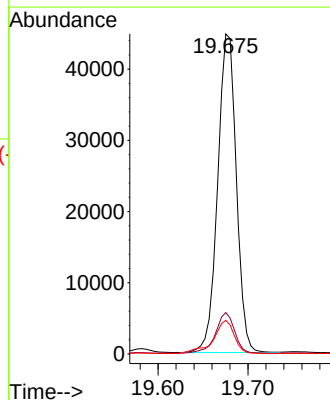
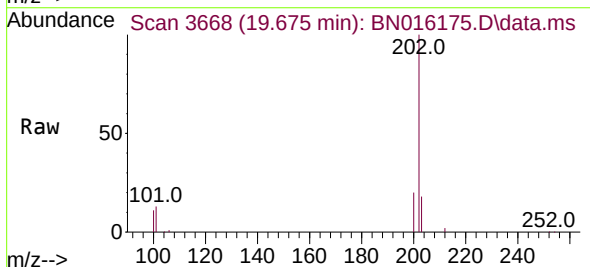
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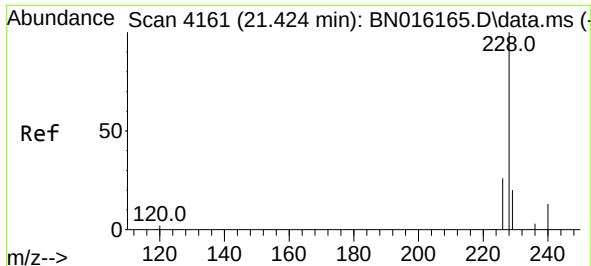
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9/7/2021 11:32:41 AM



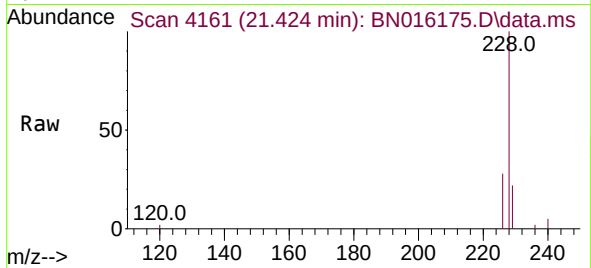
#20  
Pyrene  
Concen: 1.436 ng/u1  
RT: 19.675 min Scan# 3668  
Delta R.T. -0.000 min  
Lab File: BN016175.D  
Acq: 03 Sep 2021 15:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 64229 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 12.9  | 11.5  | 17.3  |
| 100       | 10.5  | 9.8   | 14.8  |

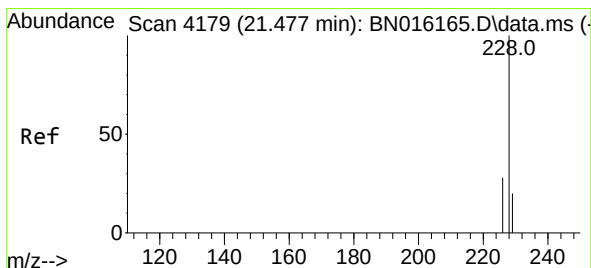
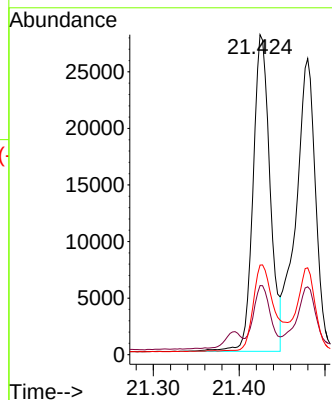
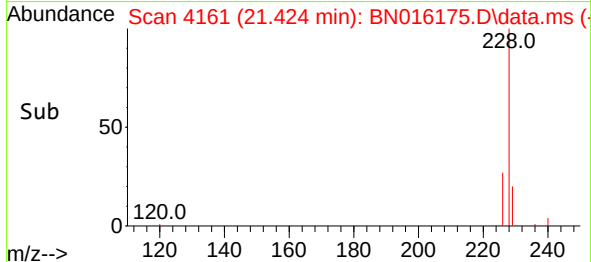




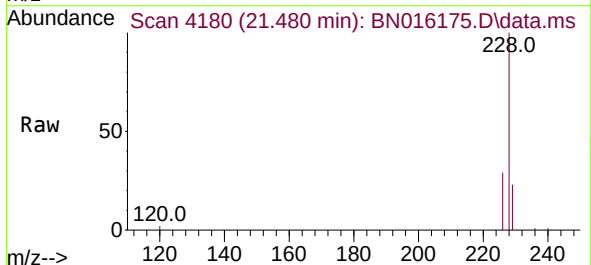
#21  
Benzo(a)anthracene  
Concen: 0.952 ng/ul  
RT: 21.424 min Scan# 4161  
Delta R.T. -0.000 min  
Lab File: BN016175.D  
Acq: 03 Sep 2021 15:17



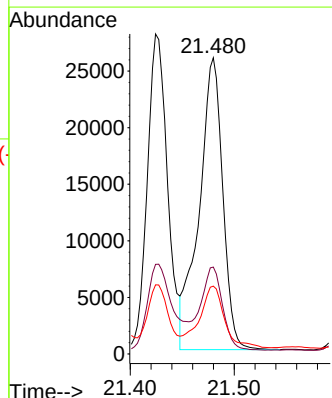
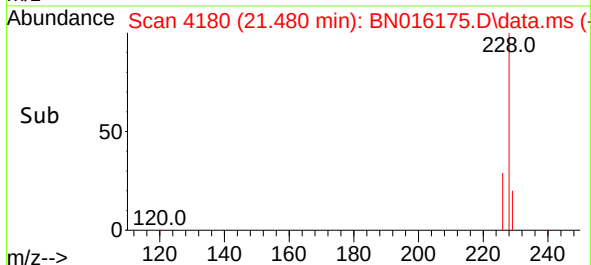
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Ion Ratio Lower Upper  
228 100  
229 21.6 15.7 23.5  
226 28.0 20.8 31.2



#22  
Chrysene  
Concen: 0.891 ng/ul  
RT: 21.480 min Scan# 4180  
Delta R.T. 0.003 min  
Lab File: BN016175.D  
Acq: 03 Sep 2021 15:17



Tgt Ion:228 Resp: 40833  
Ion Ratio Lower Upper  
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226 29.3 23.2 34.8  
229 22.9 15.6 23.4

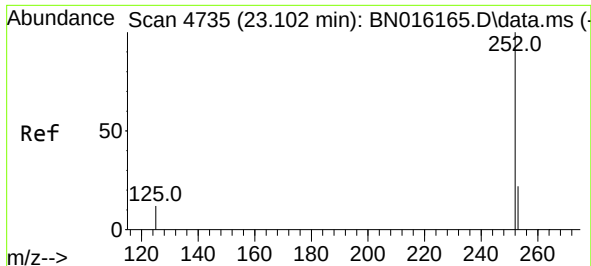


Instrument :  
BNA\_N  
ClientSampleId :  
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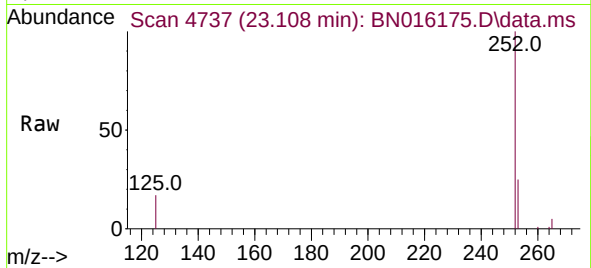
Manual Integrations  
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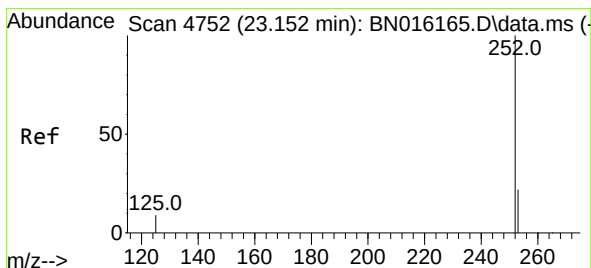
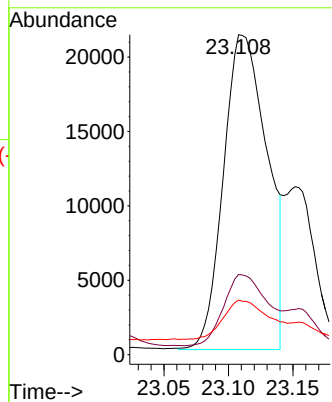
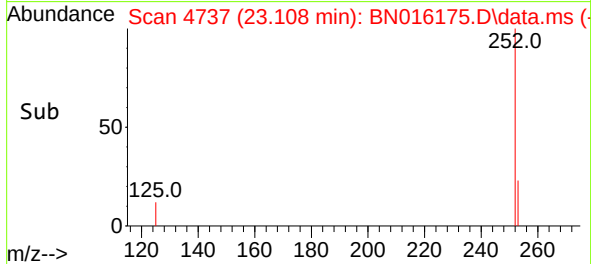




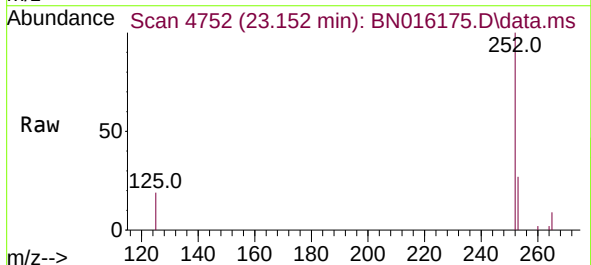
#24  
Benzo(b)fluoranthene  
Concen: 1.012 ng/ul m  
RT: 23.108 min Scan# 4737  
Delta R.T. 0.003 min  
Lab File: BN016175.D  
Acq: 03 Sep 2021 15:17



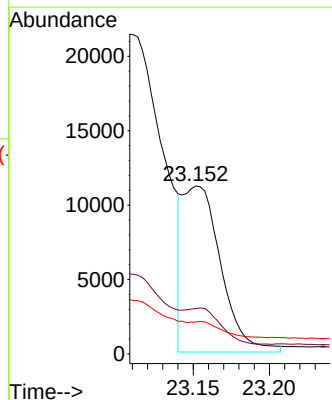
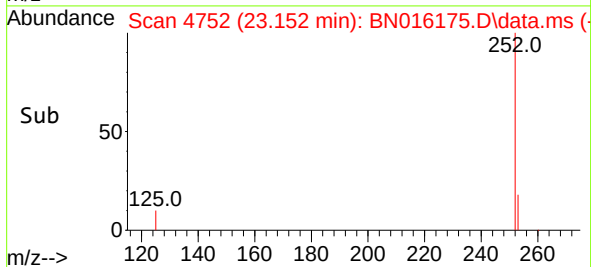
Tgt Ion:252 Resp: 50027  
Ion Ratio Lower Upper  
252 100  
253 25.0 0.0 49.4  
125 17.1 0.0 27.0



#25  
Benzo(k)fluoranthene  
Concen: 0.391 ng/ul m  
RT: 23.152 min Scan# 4752  
Delta R.T. -0.003 min  
Lab File: BN016175.D  
Acq: 03 Sep 2021 15:17



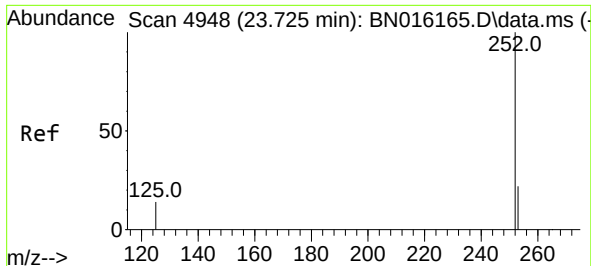
Tgt Ion:252 Resp: 19448  
Ion Ratio Lower Upper  
252 100  
253 26.9 19.4 29.0  
125 19.0 10.9 16.3#



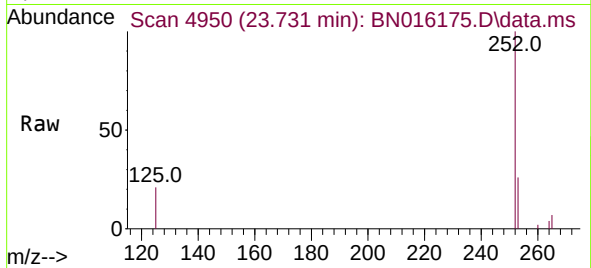
Instrument :  
BNA\_N  
ClientSampleId :  
C0AS3

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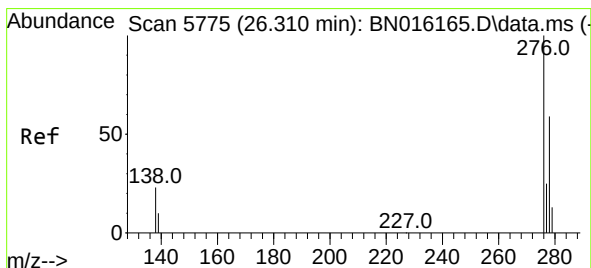
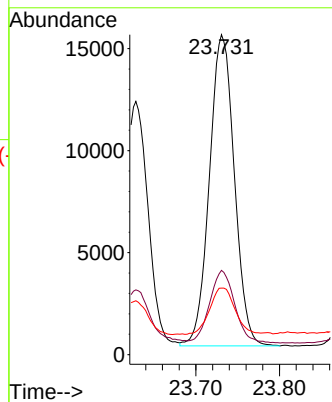
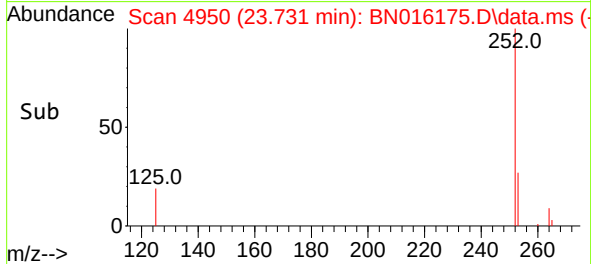
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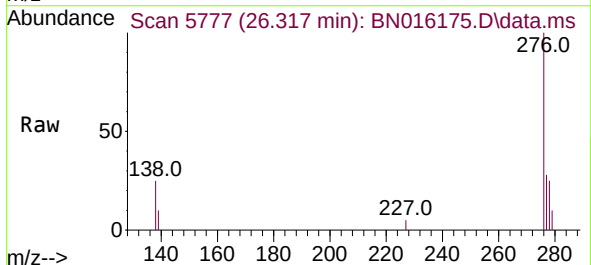
#26  
Benzo(a)pyrene  
Concen: 0.753 ng/ul  
RT: 23.731 min Scan# 4950  
Delta R.T. -0.000 min  
Lab File: BN016175.D  
Acq: 03 Sep 2021 15:17



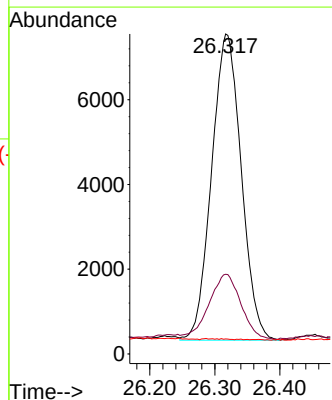
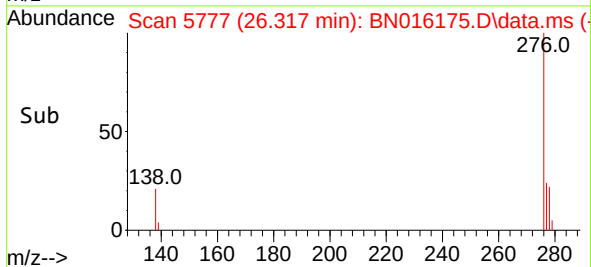
Tgt Ion:252 Resp: 31583  
Ion Ratio Lower Upper  
252 100  
253 26.4 20.2 30.2  
125 20.8 12.6 18.8#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.422 ng/ul  
RT: 26.317 min Scan# 5777  
Delta R.T. -0.000 min  
Lab File: BN016175.D  
Acq: 03 Sep 2021 15:17



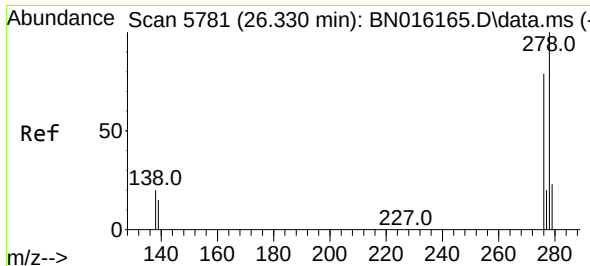
Tgt Ion:276 Resp: 22885  
Ion Ratio Lower Upper  
276 100  
138 23.0 22.7 34.1  
227 0.0 0.2 0.2#



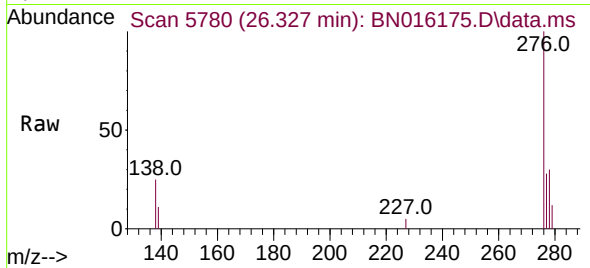
Instrument :  
BNA\_N  
ClientSampled :  
C0AS3

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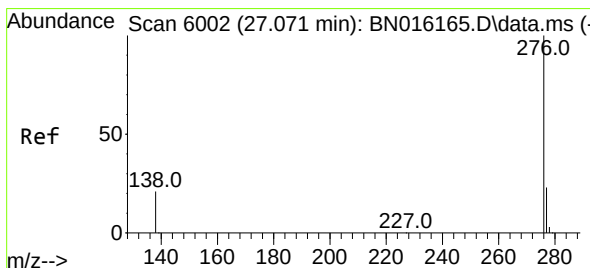
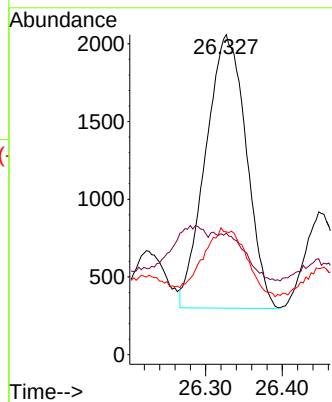
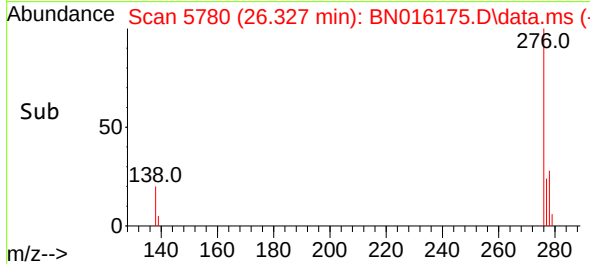
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9/7/2021 11:32:41 AM



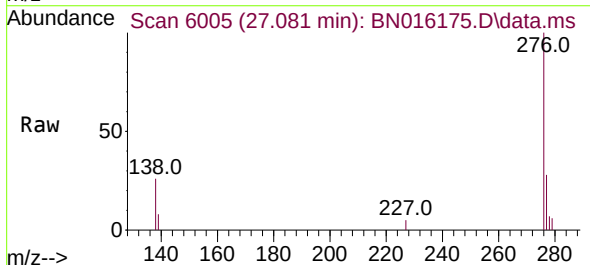
#28  
Dibenzo(a,h)anthracene  
Concen: 0.145 ng/ul  
RT: 26.327 min Scan# 5780  
Delta R.T. -0.003 min  
Lab File: BN016175.D  
Acq: 03 Sep 2021 15:17



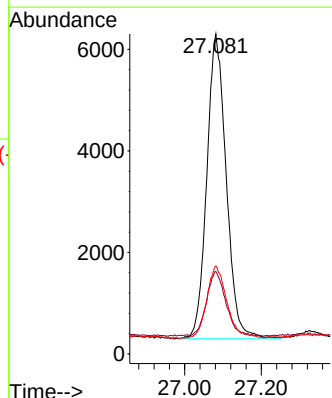
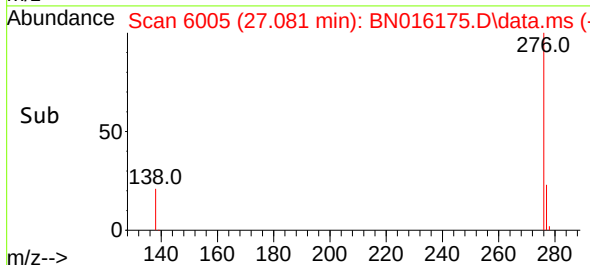
Tgt Ion: 278 Resp: 6475  
Ion Ratio Lower Upper  
278 100  
139 38.0 15.1 22.7#  
279 38.4 20.5 30.7#



#29  
Benzo(g,h,i)perylene  
Concen: 0.450 ng/ul  
RT: 27.081 min Scan# 6005  
Delta R.T. 0.007 min  
Lab File: BN016175.D  
Acq: 03 Sep 2021 15:17



Tgt Ion: 276 Resp: 21169  
Ion Ratio Lower Upper  
276 100  
138 25.7 19.3 28.9  
277 27.5 19.8 29.8



Instrument :  
BNA\_N  
ClientSampleId :  
C0AS3

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