

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062721\  
 Data File : BN015129.D  
 Acq On : 26 Jun 2021 22:59  
 Operator : CG/JU  
 Sample : M2680-18  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BGDC2

Manual Integrations  
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 6/28/2021 1:27:38 PM

Quant Time: Jun 27 06:43:35 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 : Tue Jun 22 11:53:52 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.728  | 152  | 4148     | 0.400 | ng/ul  | -0.01    |
| 4) Naphthalene-d8           | 10.501 | 136  | 14561    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.353 | 164  | 8068     | 0.400 | ng/ul  | -0.01    |
| 13) Phenanthrene-d10        | 17.098 | 188  | 16456    | 0.400 | ng/ul  | -0.01    |
| 17) Chrysene-d12            | 21.296 | 240  | 14657    | 0.400 | ng/ul  | -0.02    |
| 23) Perylene-d12            | 23.538 | 264  | 13207    | 0.400 | ng/ul  | -0.03    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.289  | 96   | 13415    | 2.869 | ng/ul  | -0.01    |
| 6) 2-Methylnaphthalene-d10  | 12.091 | 152  | 4203     | 0.184 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.132 | 212  | 9947     | 0.207 | ng/ul  | -0.02    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.551 | 128  | 47583    | 1.024 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.162 | 142  | 4487     | 0.148 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.382 | 142  | 4834     | 0.164 | ng/ul  | 98       |
| 10) Acenaphthylene          | 14.071 | 152  | 26612    | 0.638 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.414 | 153  | 75118    | 2.350 | ng/ul  | 99       |
| 12) Fluorene                | 15.404 | 166  | 51070    | 1.446 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.141 | 178  | 420740   | 7.045 | ng/ul  | 100      |
| 16) Anthracene              | 17.229 | 178  | 124591   | 2.366 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.160 | 202  | 674540   | 9.960 | ng/ul  | 97       |
| 20) Pyrene                  | 19.527 | 202  | 524974   | 7.729 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.278 | 228  | 381699   | 7.030 | ng/ul  | 96       |
| 22) Chrysene                | 21.331 | 228  | 302566   | 4.655 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.868 | 252  | 403338m  | 6.537 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.906 | 252  | 143914m  | 2.067 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.441 | 252  | 321221   | 6.199 | ng/ul  | 96       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.790 | 276  | 190009   | 3.036 | ng/ul# | 91       |
| 28) Dibenzo(a,h)anthracene  | 25.797 | 278  | 49952    | 1.018 | ng/ul  | 97       |
| 29) Benzo(g,h,i)perylene    | 26.484 | 276  | 140934   | 2.430 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

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

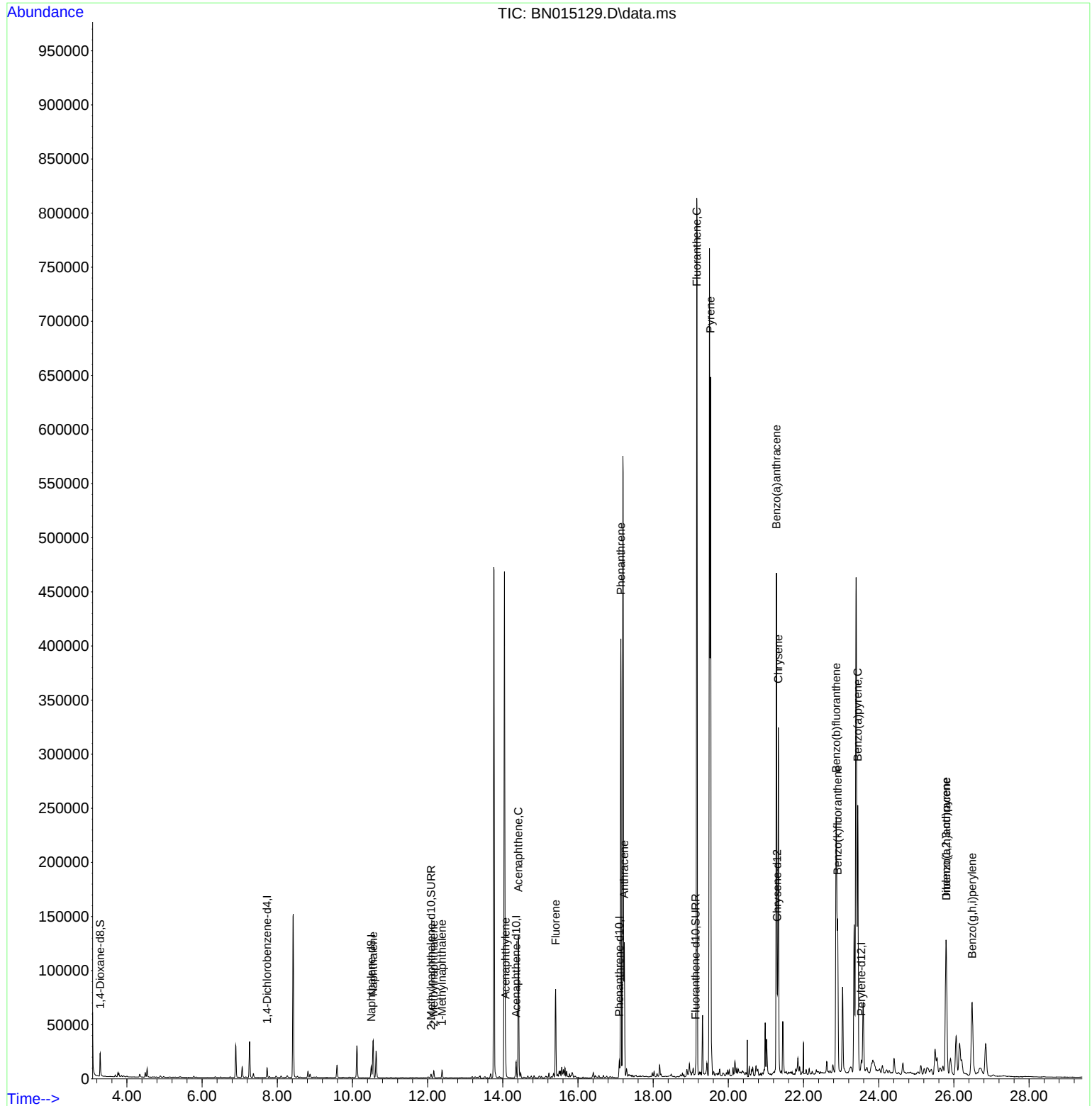
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Data File : BN015129.D  
Acq On : 26 Jun 2021 22:59  
Operator : CG/JU  
Sample : M2680-18  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

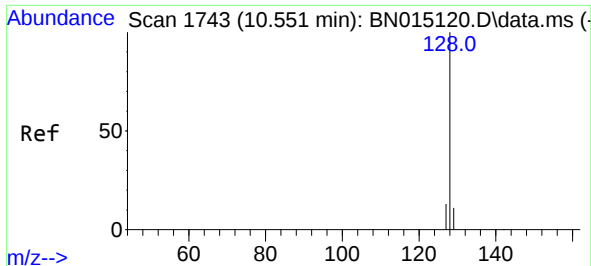
Instrument :  
BNA\_N  
ClientSampleId :  
BGDC2

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Quant Time: Jun 27 06:43:35 2021  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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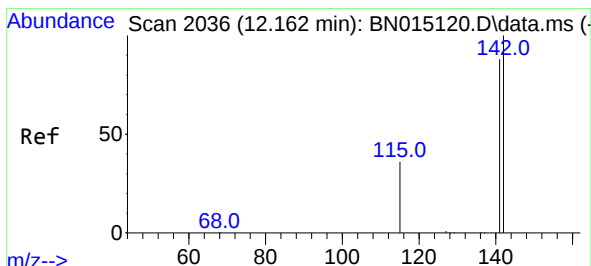
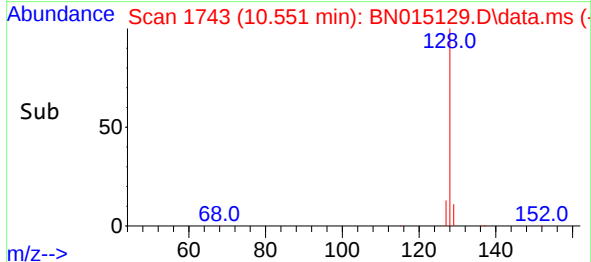
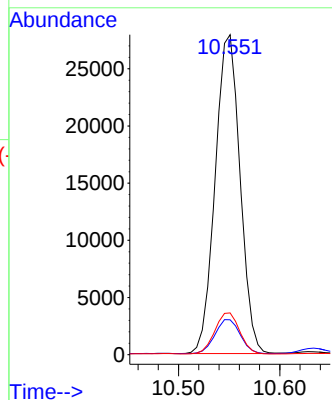
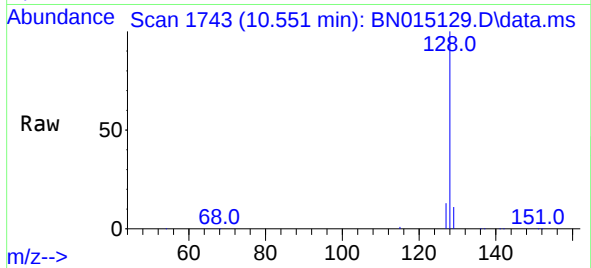
#5  
Naphthalene  
Concen: 1.024 ng/ul  
RT: 10.551 min Scan# 1743  
Delta R.T. -0.007 min  
Lab File: BN015129.D  
Acq: 26 Jun 2021 22:59

Tgt Ion:128 Resp: 47583  
Ion Ratio Lower Upper  
128 100  
129 10.9 9.3 13.9  
127 13.0 10.8 16.2

Instrument :  
BNA\_N  
ClientSampleId :  
BGDC2

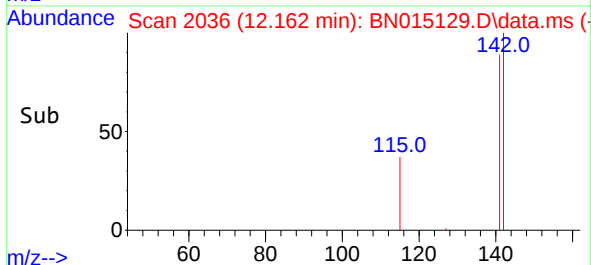
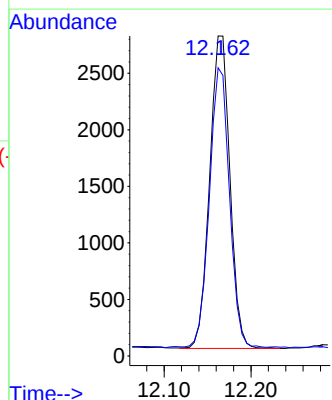
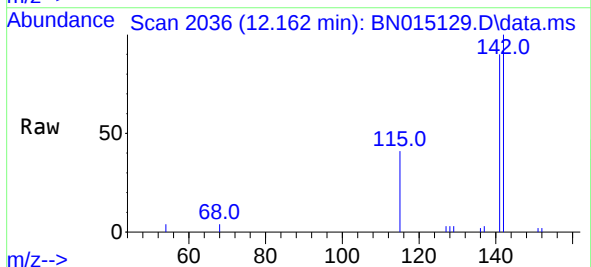
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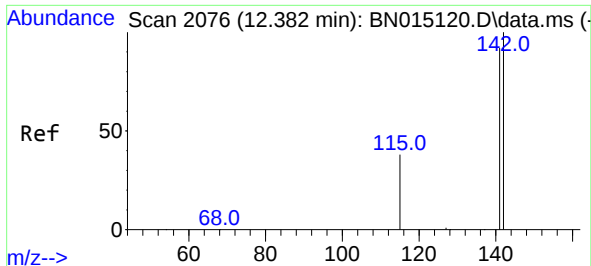
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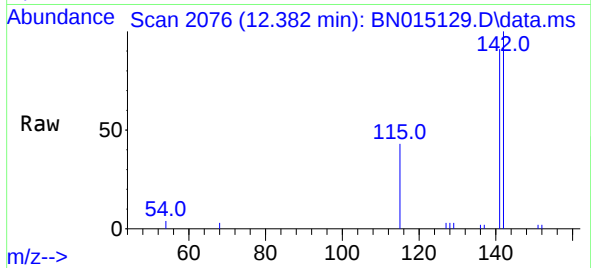
#7  
2-Methylnaphthalene  
Concen: 0.148 ng/ul  
RT: 12.162 min Scan# 2036  
Delta R.T. -0.013 min  
Lab File: BN015129.D  
Acq: 26 Jun 2021 22:59

Tgt Ion:142 Resp: 4487  
Ion Ratio Lower Upper  
142 100  
141 88.5 70.3 105.5

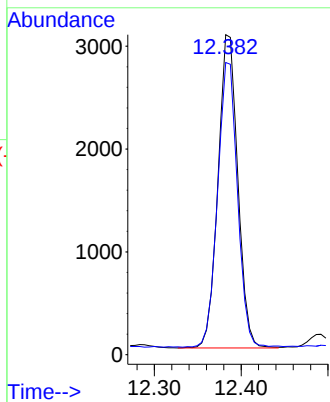
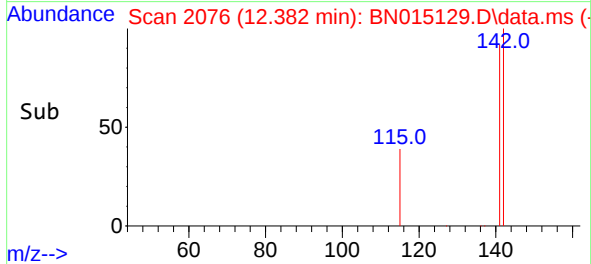




#8  
1-Methylnaphthalene  
Concen: 0.164 ng/ul  
RT: 12.382 min Scan# 2076  
Delta R.T. -0.013 min  
Lab File: BN015129.D  
Acq: 26 Jun 2021 22:59



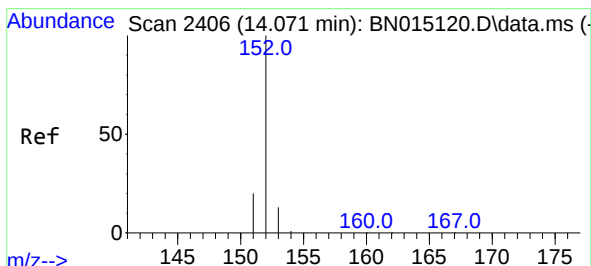
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Ion Ratio Lower Upper  
142 100  
141 91.3 74.2 111.4



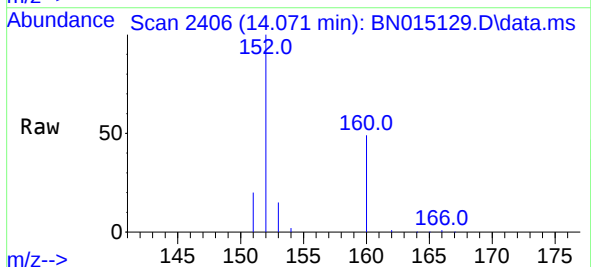
Instrument :  
BNA\_N  
ClientSampleId :  
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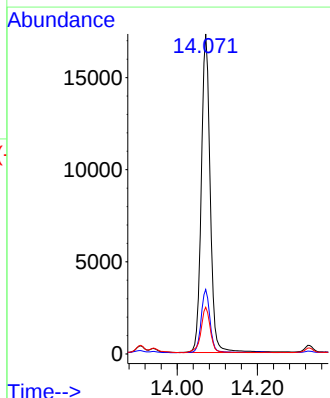
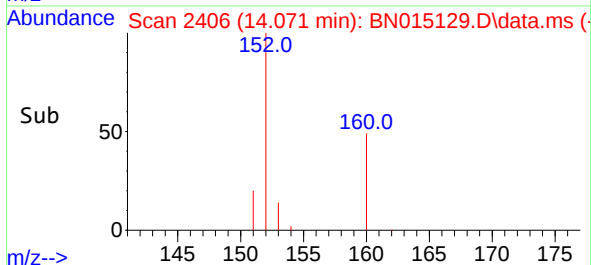
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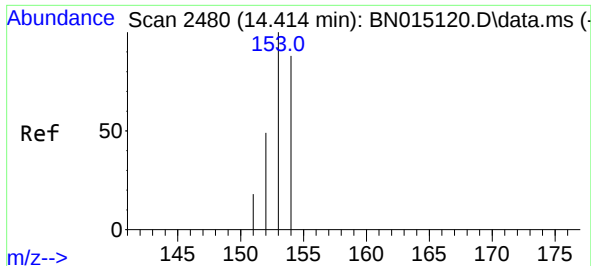


#10  
Acenaphthylene  
Concen: 0.638 ng/ul  
RT: 14.071 min Scan# 2406  
Delta R.T. -0.011 min  
Lab File: BN015129.D  
Acq: 26 Jun 2021 22:59

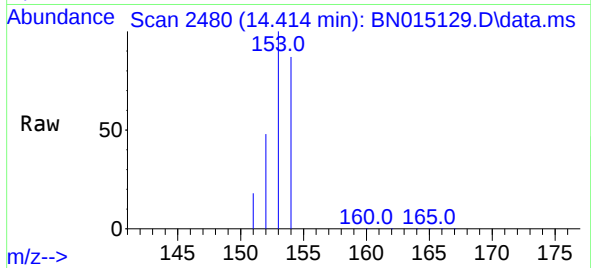


Tgt Ion:152 Resp: 26612  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.0 24.0  
153 14.6 10.9 16.3

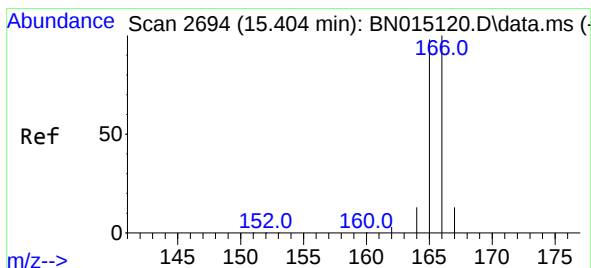
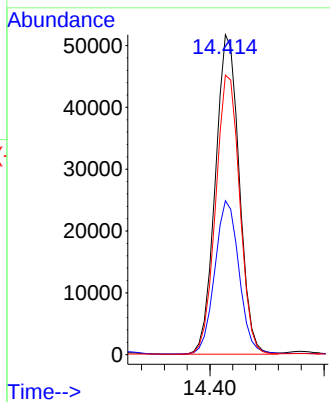
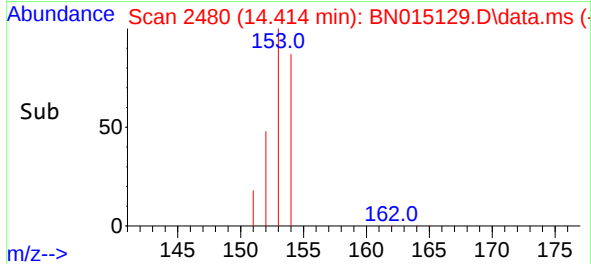




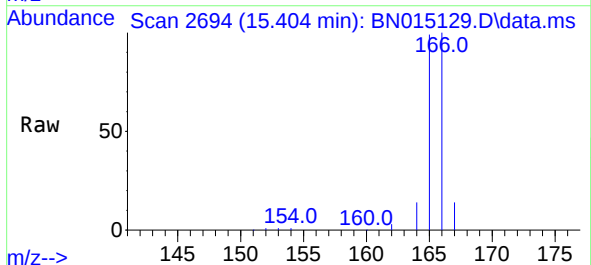
#11  
Acenaphthene  
Concen: 2.350 ng/ul  
RT: 14.414 min Scan# 2480  
Delta R.T. -0.011 min  
Lab File: BN015129.D  
Acq: 26 Jun 2021 22:59



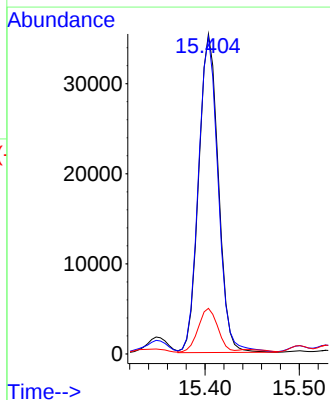
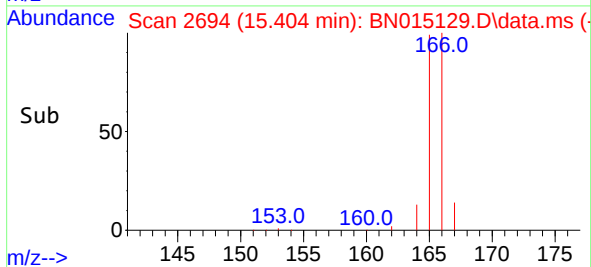
Tgt Ion:153 Resp: 75118  
Ion Ratio Lower Upper  
153 100  
152 48.1 39.8 59.6  
154 87.3 69.8 104.8



#12  
Fluorene  
Concen: 1.446 ng/ul  
RT: 15.404 min Scan# 2694  
Delta R.T. -0.011 min  
Lab File: BN015129.D  
Acq: 26 Jun 2021 22:59



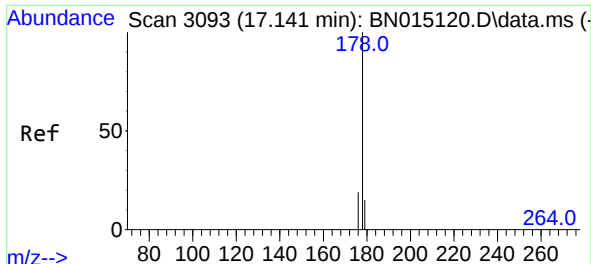
Tgt Ion:166 Resp: 51070  
Ion Ratio Lower Upper  
166 100  
165 99.1 77.8 116.8  
167 14.2 11.2 16.8



Instrument :  
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ClientSampled :  
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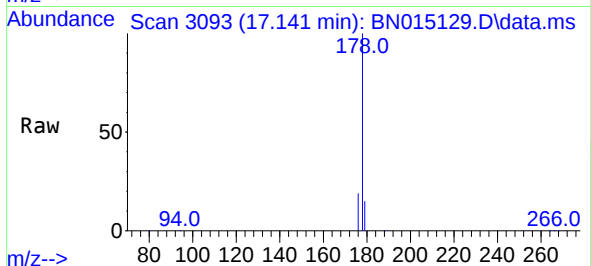
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#15  
Phenanthrene  
Concen: 7.045 ng/ul  
RT: 17.141 min Scan# 3093  
Delta R.T. -0.010 min  
Lab File: BN015129.D  
Acq: 26 Jun 2021 22:59

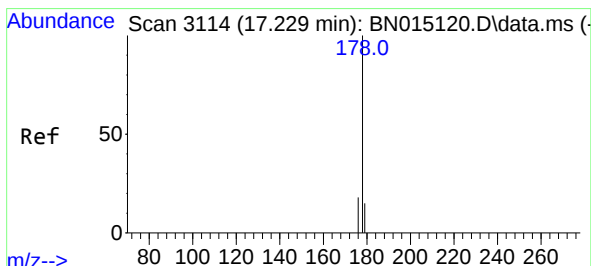
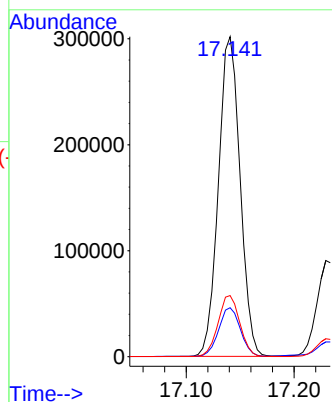
Instrument :  
BNA\_N  
ClientSampled :  
BGDC2



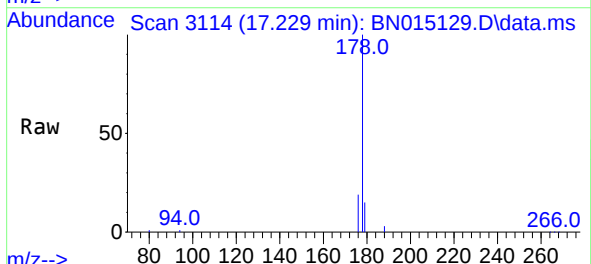
Tgt Ion:178 Resp: 420740  
Ion Ratio Lower Upper  
178 100  
179 15.3 12.3 18.5  
176 19.1 15.5 23.3

Manual Integrations  
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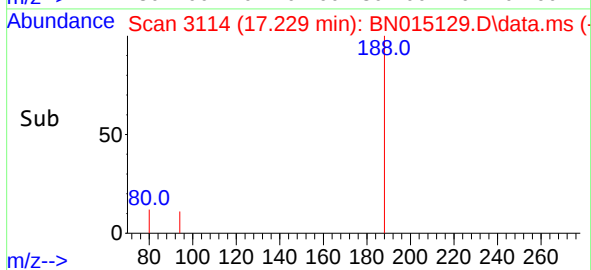
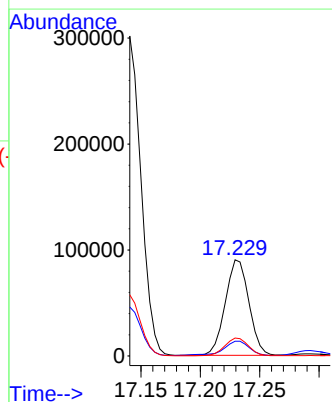
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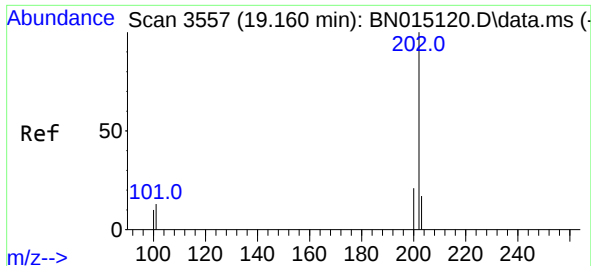


#16  
Anthracene  
Concen: 2.366 ng/ul  
RT: 17.229 min Scan# 3114  
Delta R.T. -0.015 min  
Lab File: BN015129.D  
Acq: 26 Jun 2021 22:59

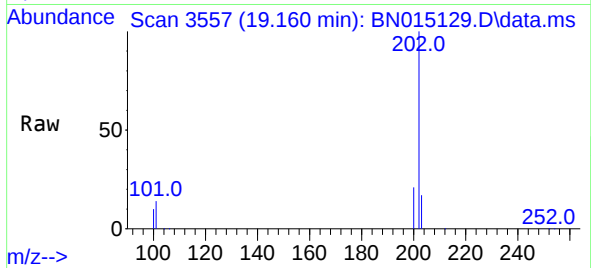


Tgt Ion:178 Resp: 124591  
Ion Ratio Lower Upper  
178 100  
179 15.3 12.8 19.2  
176 18.7 15.2 22.8

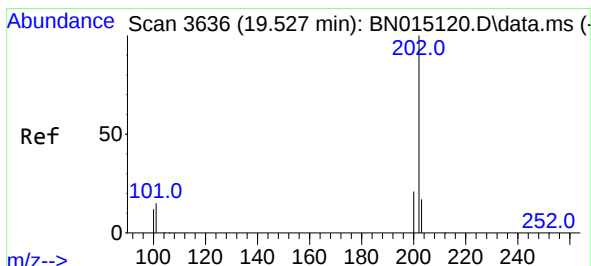
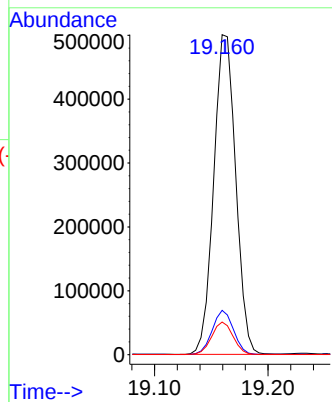
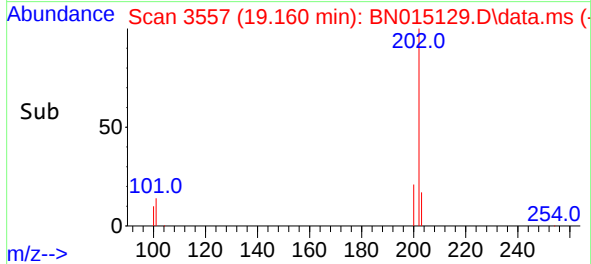




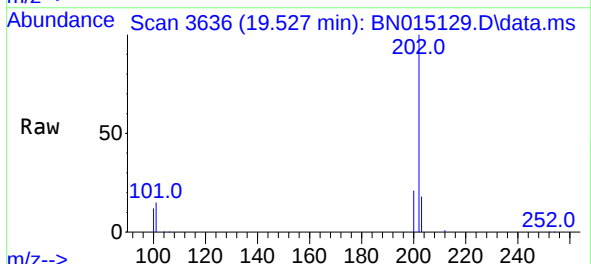
#19  
Fluoranthene  
Concen: 9.960 ng/u1  
RT: 19.160 min Scan# 3557  
Delta R.T. -0.016 min  
Lab File: BN015129.D  
Acq: 26 Jun 2021 22:59



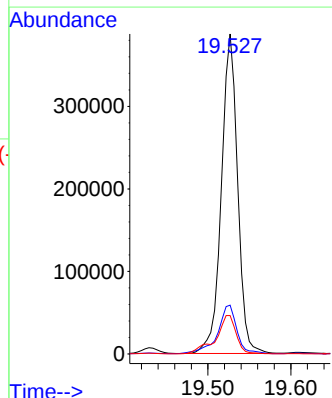
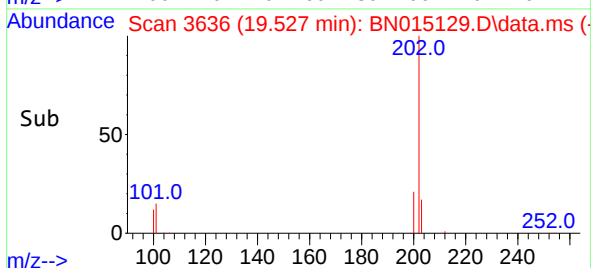
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Ion Ratio Lower Upper  
202 100  
101 13.8 10.1 15.1  
100 10.2 7.4 11.0



#20  
Pyrene  
Concen: 7.729 ng/u1  
RT: 19.527 min Scan# 3636  
Delta R.T. -0.011 min  
Lab File: BN015129.D  
Acq: 26 Jun 2021 22:59



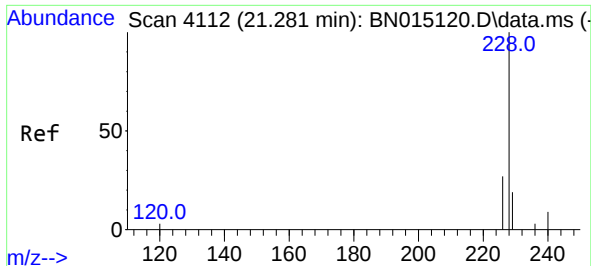
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Ion Ratio Lower Upper  
202 100  
101 15.2 12.0 18.0  
100 12.0 9.6 14.4



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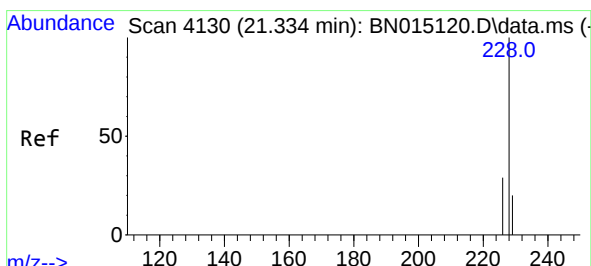
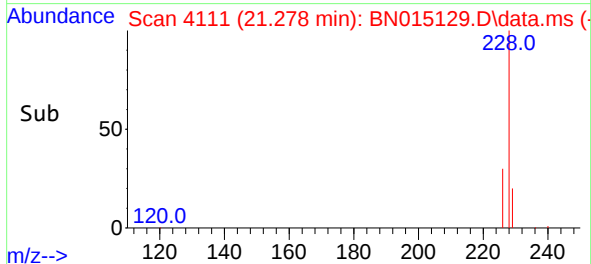
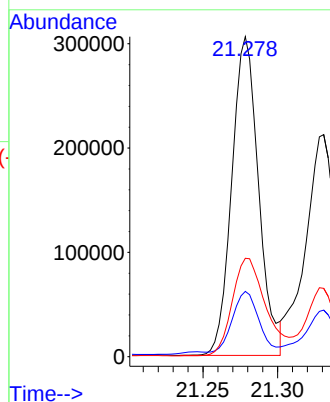
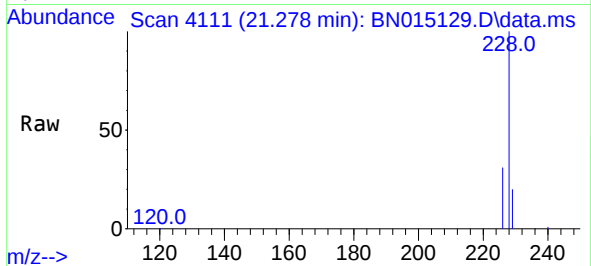
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Benzo(a)anthracene  
Concen: 7.030 ng/ul  
RT: 21.278 min Scan# 4111  
Delta R.T. -0.018 min  
Lab File: BN015129.D  
Acq: 26 Jun 2021 22:59

Tgt Ion:228 Resp: 381699  
Ion Ratio Lower Upper  
228 100  
229 20.4 15.8 23.8  
226 30.7 21.8 32.8

Instrument :  
BNA\_N  
ClientSampled :  
BGDC2

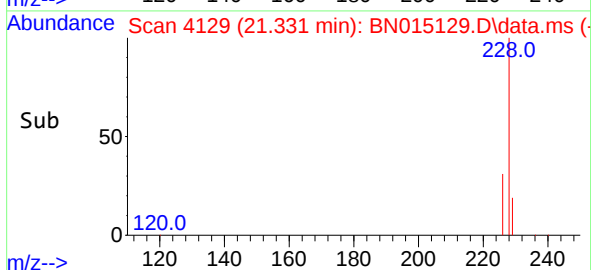
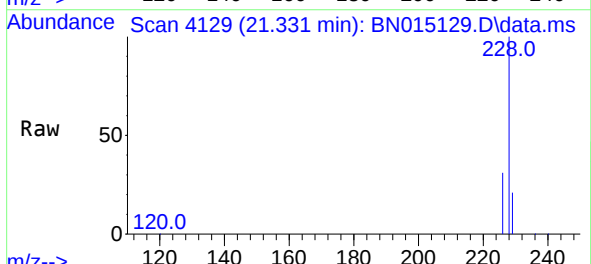
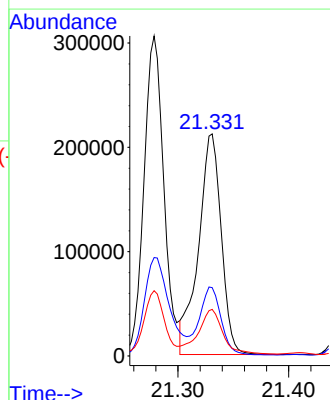
Manual Integrations  
APPROVED

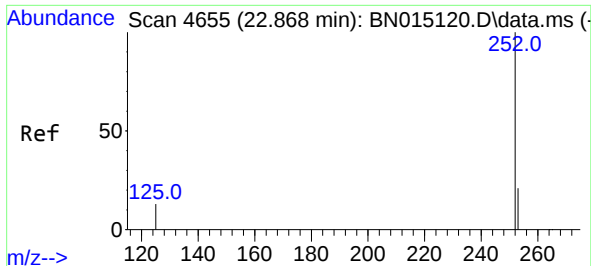
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#22  
Chrysene  
Concen: 4.655 ng/ul  
RT: 21.331 min Scan# 4129  
Delta R.T. -0.018 min  
Lab File: BN015129.D  
Acq: 26 Jun 2021 22:59

Tgt Ion:228 Resp: 302566  
Ion Ratio Lower Upper  
228 100  
226 30.7 24.6 37.0  
229 21.0 15.7 23.5





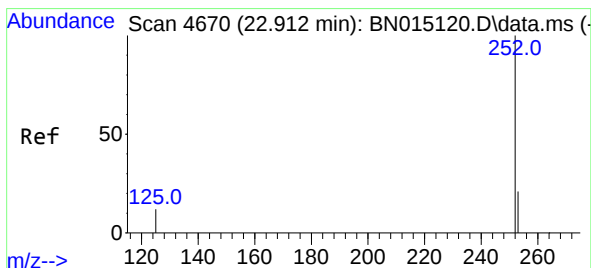
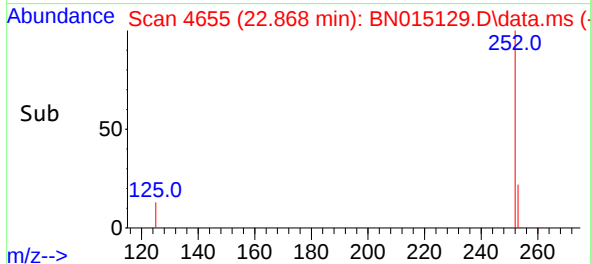
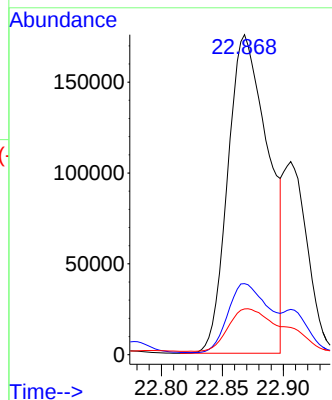
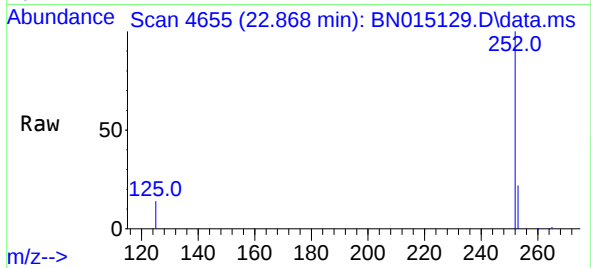
#24  
Benzo(b)fluoranthene  
Concen: 6.537 ng/ul m  
RT: 22.868 min Scan# 4655  
Delta R.T. -0.026 min  
Lab File: BN015129.D  
Acq: 26 Jun 2021 22:59

Tgt Ion:252 Resp: 403338  
Ion Ratio Lower Upper  
252 100  
253 22.2 0.0 45.6  
125 14.3 0.0 28.4

Instrument :  
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ClientSampled :  
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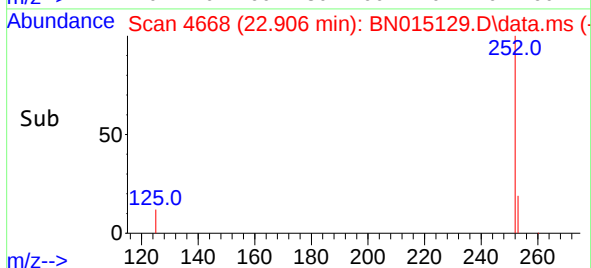
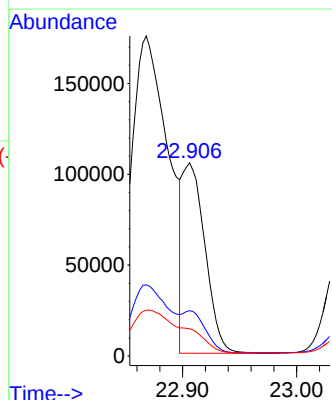
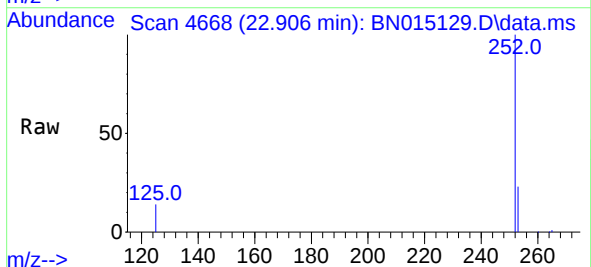
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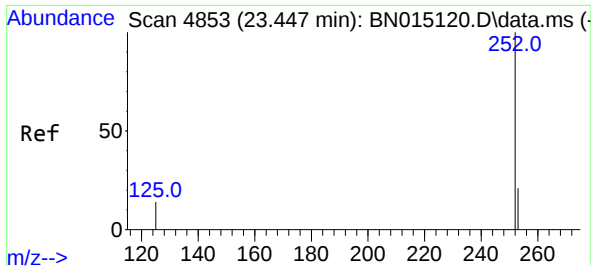
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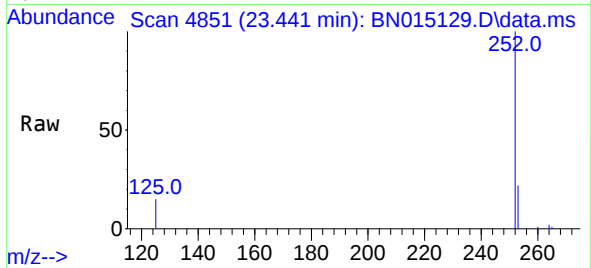
#25  
Benzo(k)fluoranthene  
Concen: 2.067 ng/ul m  
RT: 22.906 min Scan# 4668  
Delta R.T. -0.032 min  
Lab File: BN015129.D  
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Tgt Ion:252 Resp: 143914  
Ion Ratio Lower Upper  
252 100  
253 23.5 18.1 27.1  
125 14.1 11.5 17.3

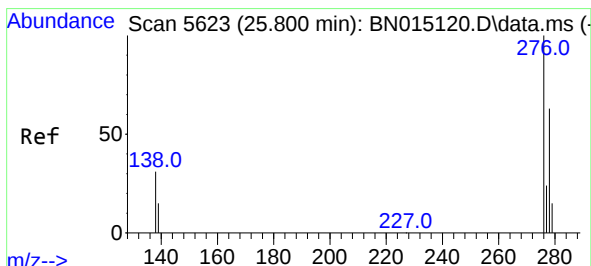
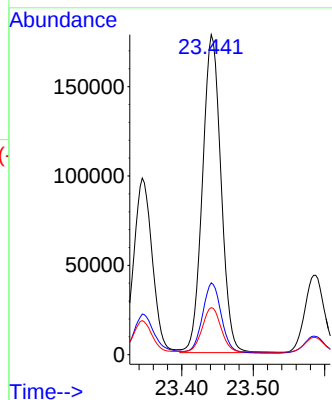
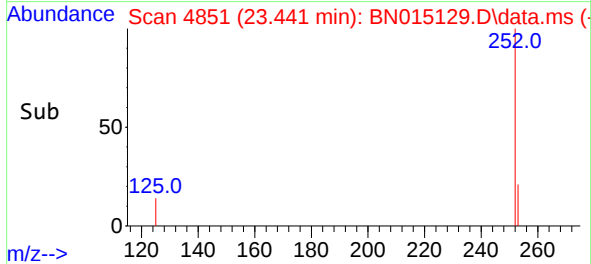




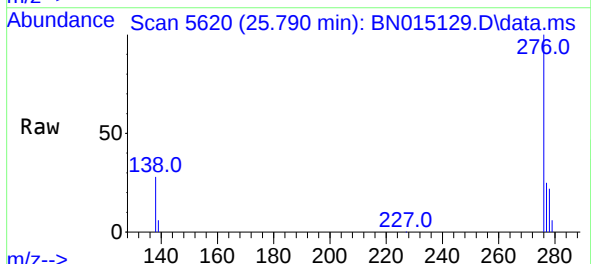
#26  
Benzo(a)pyrene  
Concen: 6.199 ng/ul  
RT: 23.441 min Scan# 4851  
Delta R.T. -0.029 min  
Lab File: BN015129.D  
Acq: 26 Jun 2021 22:59



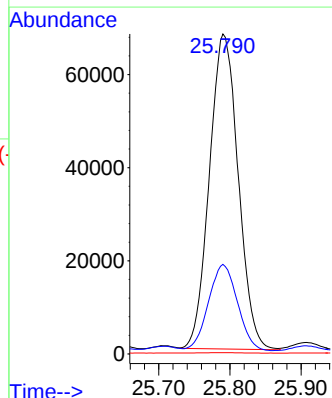
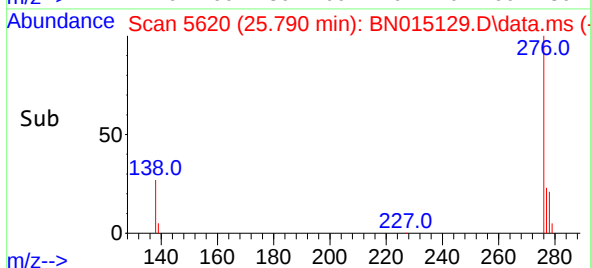
Tgt Ion:252 Resp: 321221  
Ion Ratio Lower Upper  
252 100  
253 22.4 18.9 28.3  
125 14.7 13.5 20.3



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 3.036 ng/ul  
RT: 25.790 min Scan# 5620  
Delta R.T. -0.050 min  
Lab File: BN015129.D  
Acq: 26 Jun 2021 22:59



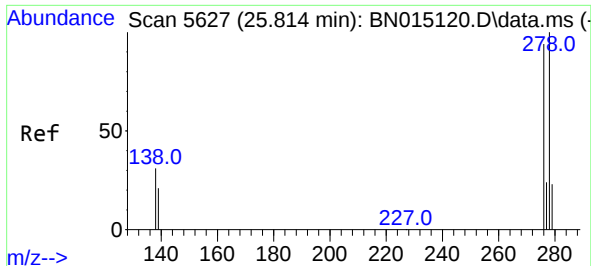
Tgt Ion:276 Resp: 190009  
Ion Ratio Lower Upper  
276 100  
138 27.7 26.3 39.5  
227 0.2 0.1 0.1#



Instrument :  
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ClientSampleId :  
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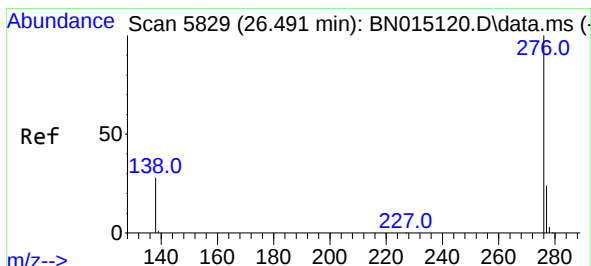
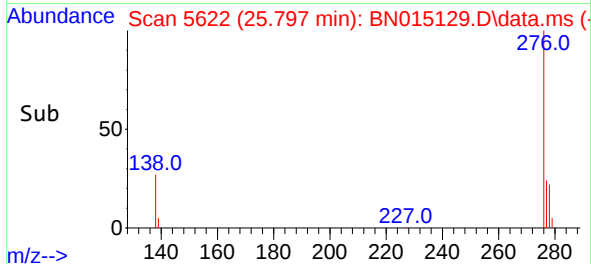
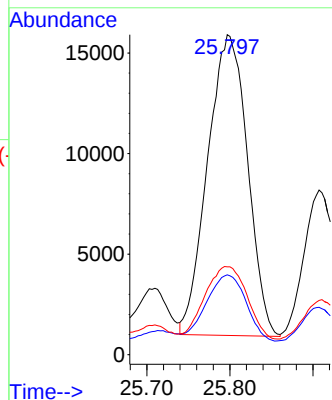
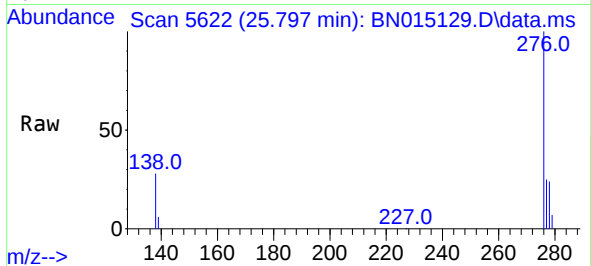
#28  
Dibenzo(a,h)anthracene  
Concen: 1.018 ng/ul  
RT: 25.797 min Scan# 5622  
Delta R.T. -0.064 min  
Lab File: BN015129.D  
Acq: 26 Jun 2021 22:59

Tgt Ion:278 Resp: 49952  
Ion Ratio Lower Upper  
278 100  
139 25.0 18.9 28.3  
279 27.5 20.8 31.2

Instrument :  
BNA\_N  
ClientSampled :  
BGDC2

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#29  
Benzo(g,h,i)perylene  
Concen: 2.430 ng/ul  
RT: 26.484 min Scan# 5827  
Delta R.T. -0.040 min  
Lab File: BN015129.D  
Acq: 26 Jun 2021 22:59

Tgt Ion:276 Resp: 140934  
Ion Ratio Lower Upper  
276 100  
138 27.9 23.0 34.4  
277 23.9 19.3 28.9

