

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071221\  
 Data File : BN015515.D  
 Acq On : 13 Jul 2021 07:01  
 Operator : CG/JU  
 Sample : M2869-13  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BGDY3

Manual Integrations  
 APPROVED

mohammad  
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Quant Time: Jul 13 07:37:02 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 Jul 13 06:18:23 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.808  | 152  | 3479     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.595 | 136  | 11453    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.442 | 164  | 5691     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.192 | 188  | 10807    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.386 | 240  | 8888     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.739 | 264  | 8113     | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.315  | 96   | 5044     | 1.286 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.190 | 152  | 2225     | 0.124 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.221 | 212  | 4184     | 0.143 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.645 | 128  | 862      | 0.024 | ng/ul# | 79       |
| 10) Acenaphthylene          | 14.160 | 152  | 1002     | 0.034 | ng/ul# | 85       |
| 12) Fluorene                | 15.493 | 166  | 793      | 0.032 | ng/ul# | 93       |
| 15) Phenanthrene            | 17.230 | 178  | 11425    | 0.291 | ng/ul  | 99       |
| 16) Anthracene              | 17.323 | 178  | 6277     | 0.182 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.254 | 202  | 42028    | 1.023 | ng/ul  | 99       |
| 20) Pyrene                  | 19.616 | 202  | 31257    | 0.759 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.368 | 228  | 22645    | 0.688 | ng/ul  | 96       |
| 22) Chrysene                | 21.421 | 228  | 19974    | 0.507 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.028 | 252  | 21690m   | 0.572 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.066 | 252  | 8485m    | 0.198 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.633 | 252  | 12263    | 0.385 | ng/ul  | 96       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.158 | 276  | 7581     | 0.197 | ng/ul# | 97       |
| 28) Dibenzo(a,h)anthracene  | 26.168 | 278  | 2341     | 0.078 | ng/ul# | 75       |
| -----                       |        |      |          |       |        |          |

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

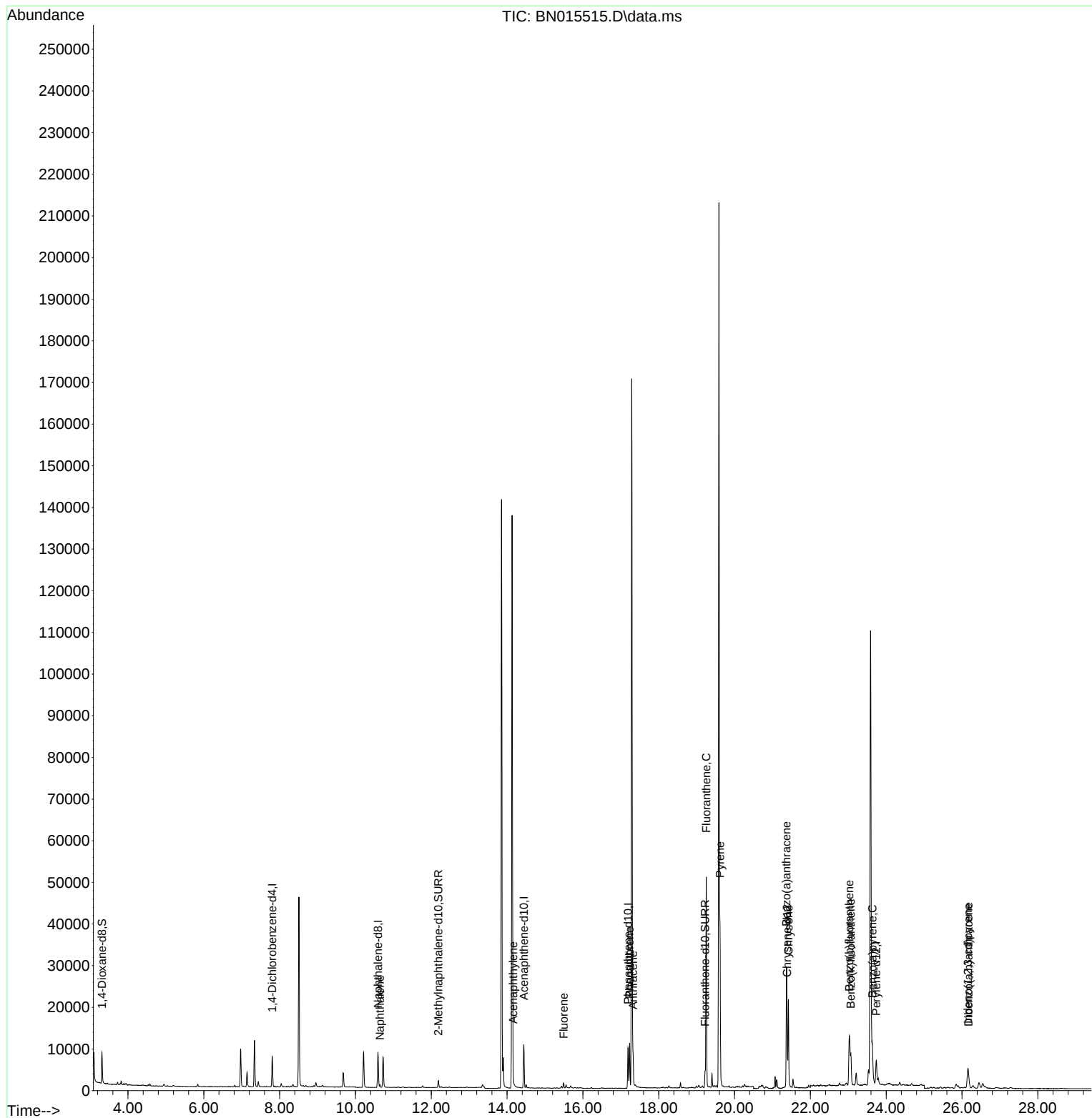
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071221\  
Data File : BN015515.D  
Acq On : 13 Jul 2021 07:01  
Operator : CG/JU  
Sample : M2869-13  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

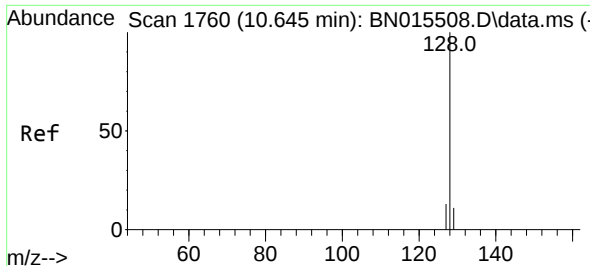
Instrument :  
BNA\_N  
ClientSampleId :  
BGDY3

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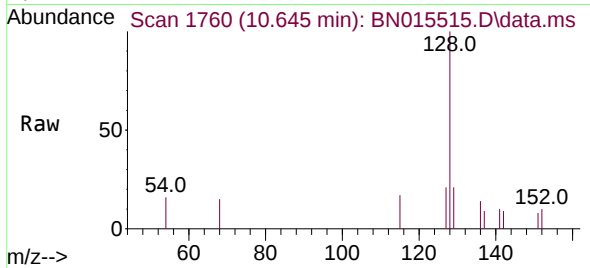
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Quant Time: Jul 13 07:37:02 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062121.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 13 06:18:23 2021  
Response via : Initial Calibration

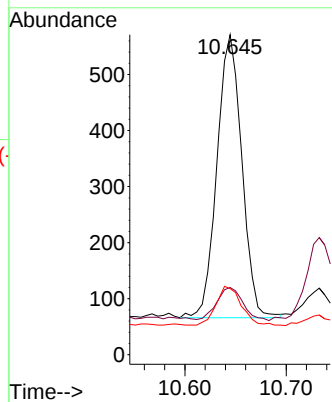
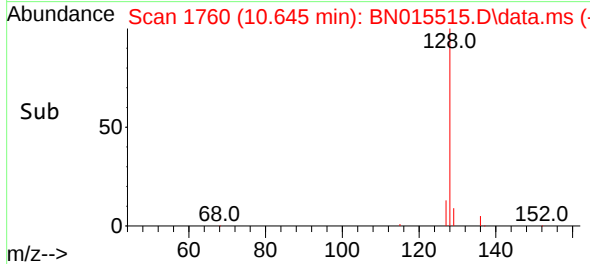




#5  
Naphthalene  
Concen: 0.024 ng/ul  
RT: 10.645 min Scan# 1760  
Delta R.T. -0.000 min  
Lab File: BN015515.D  
Acq: 13 Jul 2021 07:01



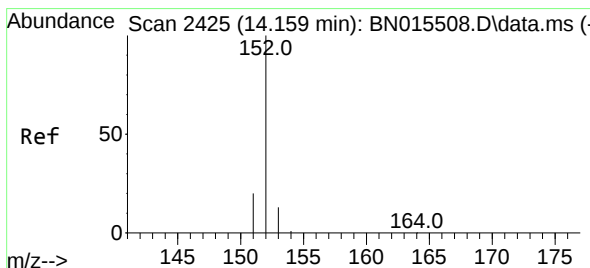
Tgt Ion:128 Resp: 862  
Ion Ratio Lower Upper  
128 100  
129 21.0 9.3 13.9#  
127 20.7 10.8 16.2#



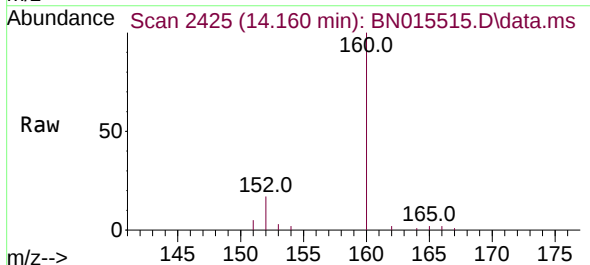
Instrument :  
BNA\_N  
ClientSampled :  
BGDY3

Manual Integrations  
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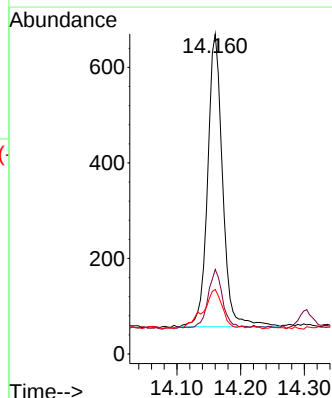
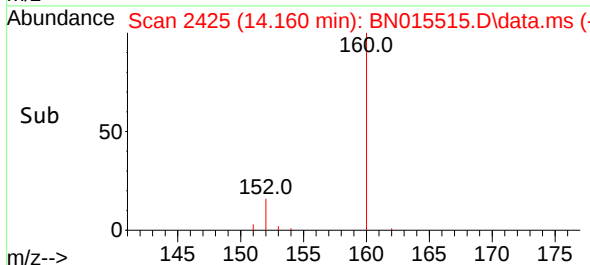
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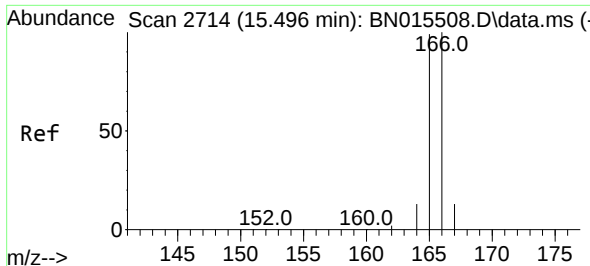


#10  
Acenaphthylene  
Concen: 0.034 ng/ul  
RT: 14.160 min Scan# 2425  
Delta R.T. 0.001 min  
Lab File: BN015515.D  
Acq: 13 Jul 2021 07:01



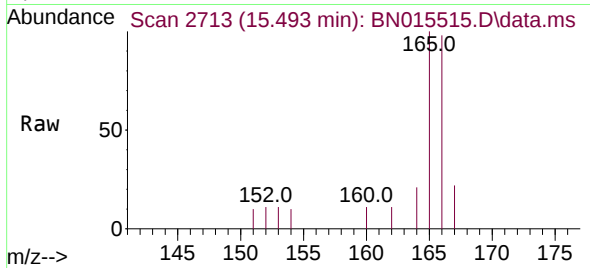
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Ion Ratio Lower Upper  
152 100  
151 26.4 16.0 24.0#  
153 20.1 10.9 16.3#





#12  
Fluorene  
Concen: 0.032 ng/ul  
RT: 15.493 min Scan# 2713  
Delta R.T. -0.004 min  
Lab File: BN015515.D  
Acq: 13 Jul 2021 07:01

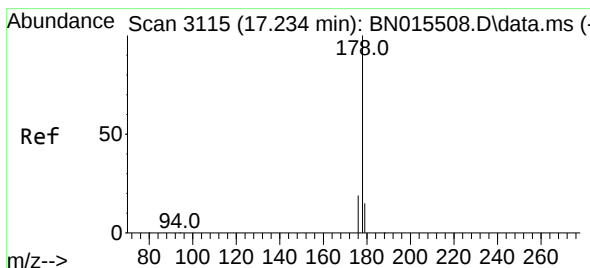
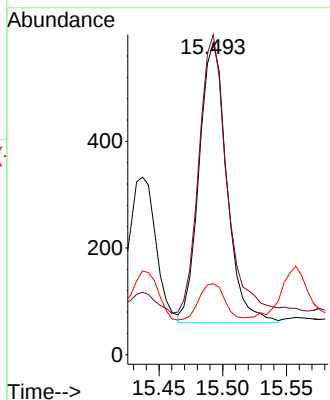
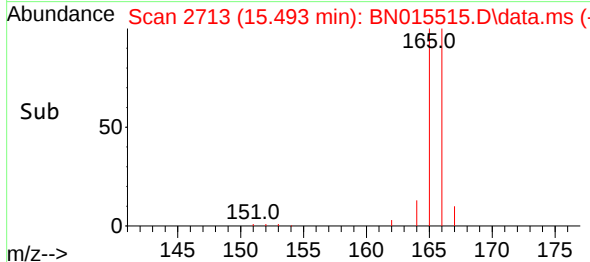
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BNA\_N  
ClientSampleId :  
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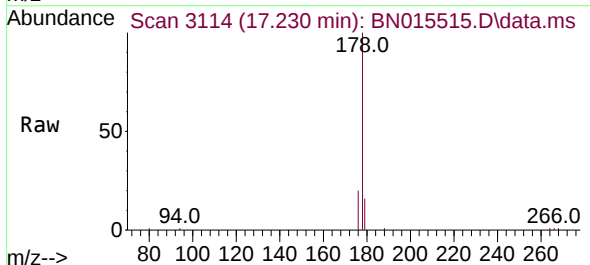
Tgt Ion:166 Resp: 793  
Ion Ratio Lower Upper  
166 100  
165 102.6 77.8 116.8  
167 22.7 11.2 16.8#

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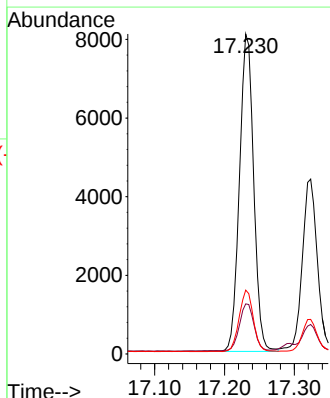
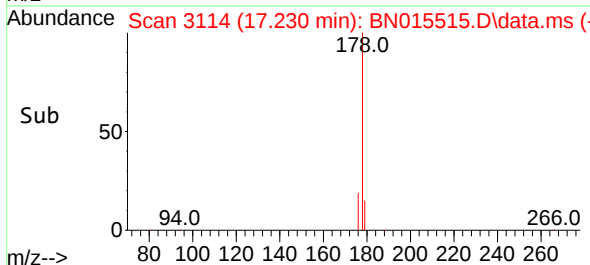
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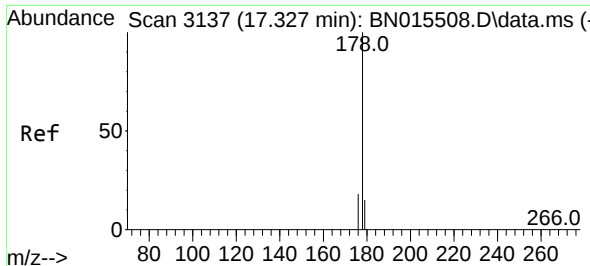


#15  
Phenanthrene  
Concen: 0.291 ng/ul  
RT: 17.230 min Scan# 3114  
Delta R.T. -0.003 min  
Lab File: BN015515.D  
Acq: 13 Jul 2021 07:01



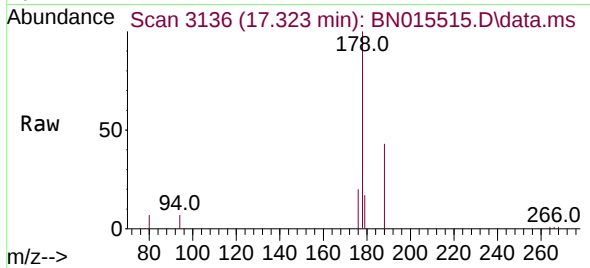
Tgt Ion:178 Resp: 11425  
Ion Ratio Lower Upper  
178 100  
179 15.6 12.3 18.5  
176 19.9 15.5 23.3





#16  
 Anthracene  
 Concen: 0.182 ng/ul  
 RT: 17.323 min Scan# 3136  
 Delta R.T. -0.003 min  
 Lab File: BN015515.D  
 Acq: 13 Jul 2021 07:01

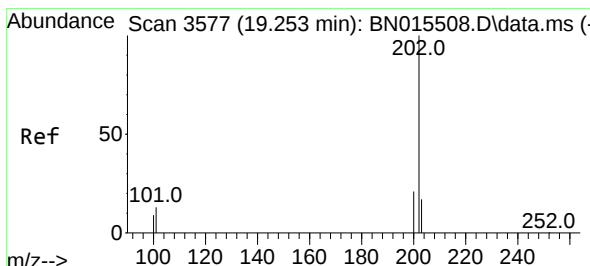
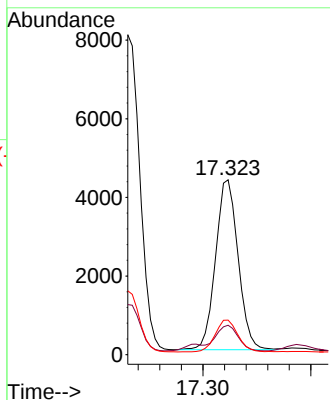
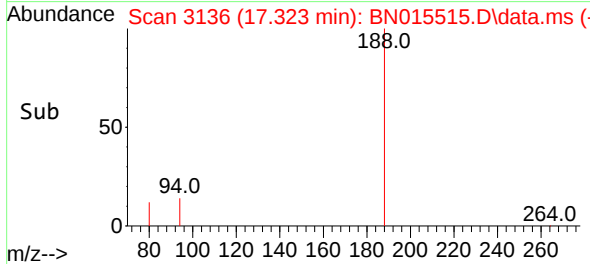
Instrument :  
 BNA\_N  
 ClientSampleId :  
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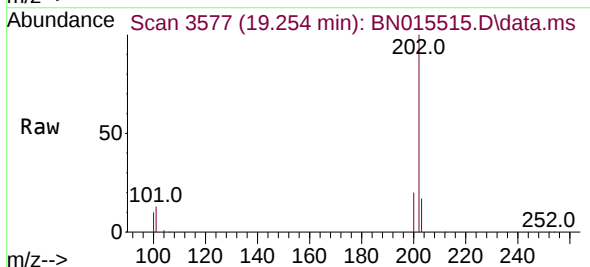
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 6277 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 179       | 16.9  | 12.8  | 19.2 |
| 176       | 19.8  | 15.2  | 22.8 |

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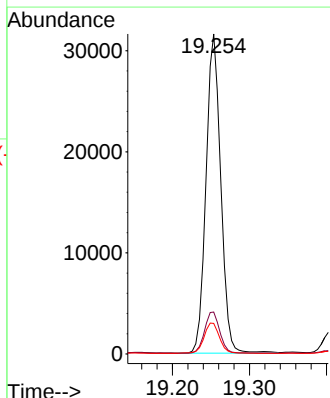
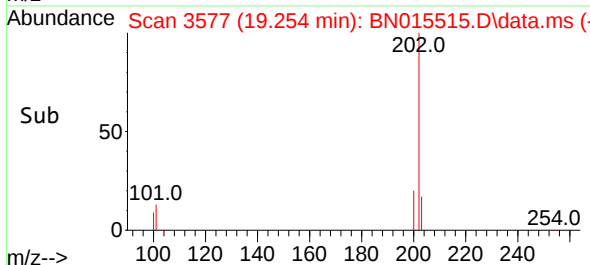
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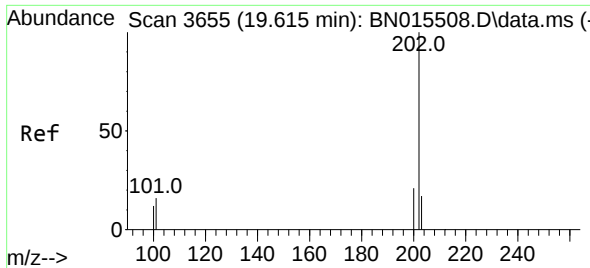


#19  
 Fluoranthene  
 Concen: 1.023 ng/ul  
 RT: 19.254 min Scan# 3577  
 Delta R.T. -0.004 min  
 Lab File: BN015515.D  
 Acq: 13 Jul 2021 07:01



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 42028 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 13.1  | 10.1  | 15.1  |
| 100       | 9.5   | 7.4   | 11.0  |





#20

Pyrene

Concen: 0.759 ng/ul

RT: 19.616 min Scan# 3655

Delta R.T. -0.004 min

Lab File: BN015515.D

Acq: 13 Jul 2021 07:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 202   | Resp: | 31257 |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 15.5  | 12.0  | 18.0  |
| 100      | 12.4  | 9.6   | 14.4  |

Instrument :

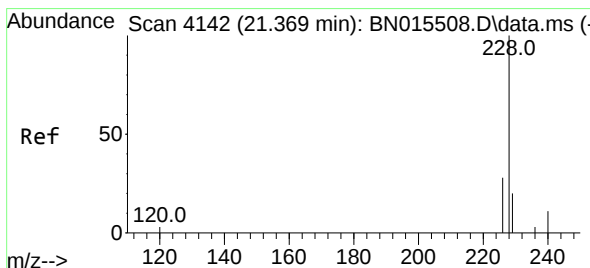
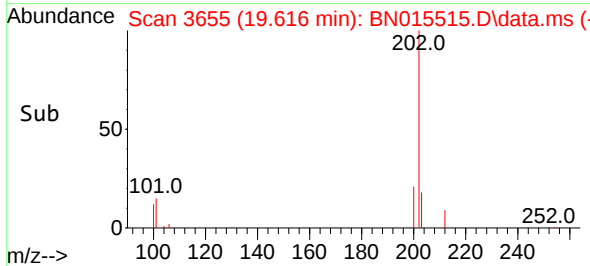
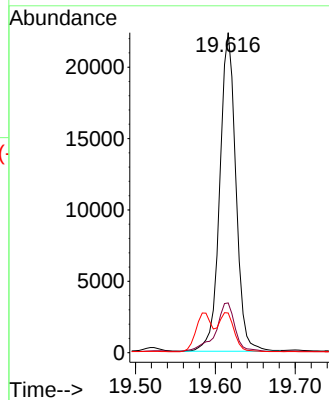
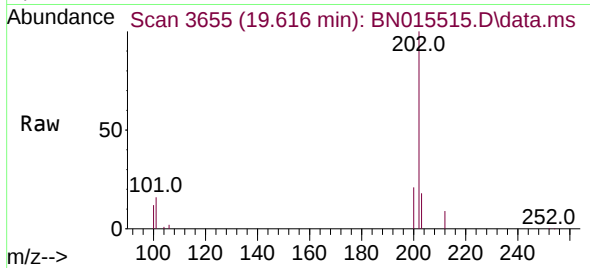
BNA\_N

ClientSampleId :

BGDY3

Manual Integrations  
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#21

Benzo(a)anthracene

Concen: 0.688 ng/ul

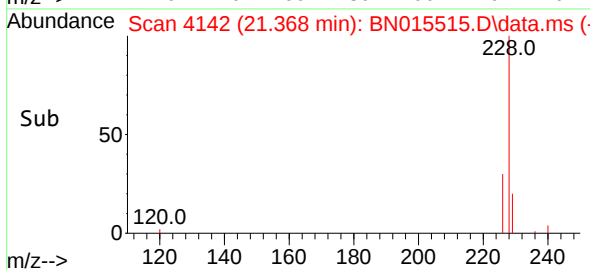
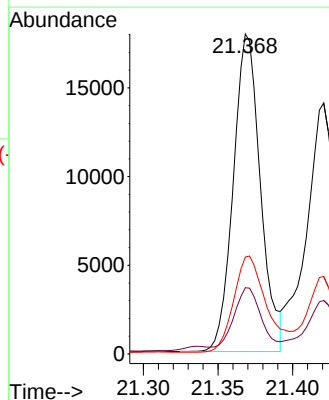
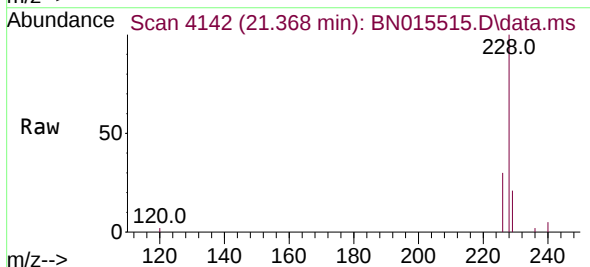
RT: 21.368 min Scan# 4142

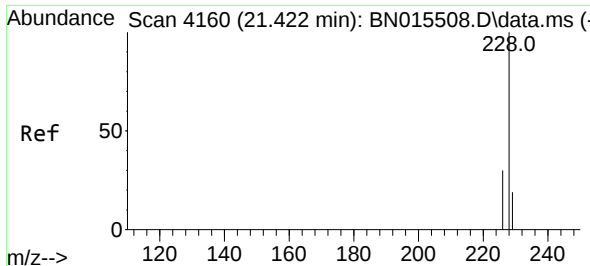
Delta R.T. -0.007 min

Lab File: BN015515.D

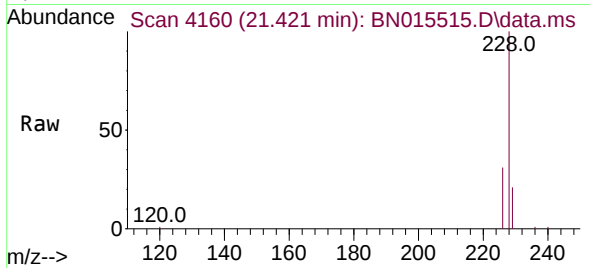
Acq: 13 Jul 2021 07:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 22645 |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 229      | 20.7  | 15.8  | 23.8  |
| 226      | 30.3  | 21.8  | 32.8  |

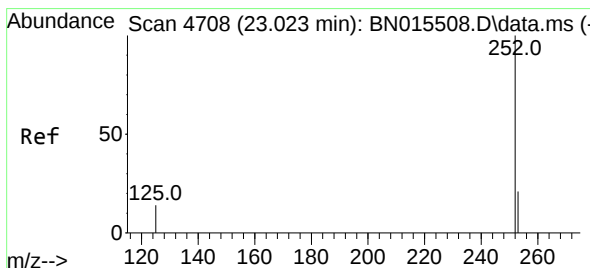
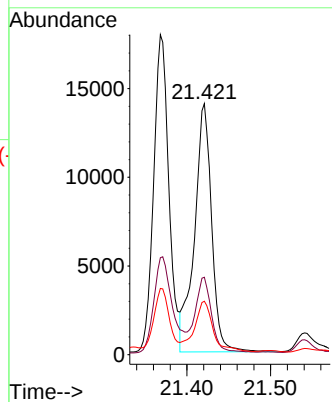
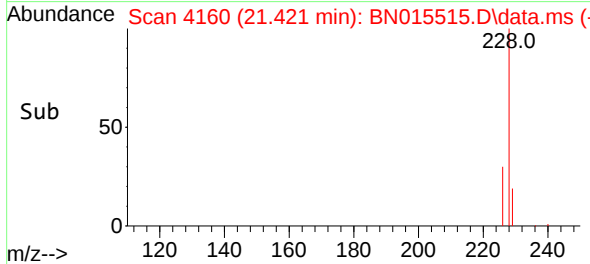




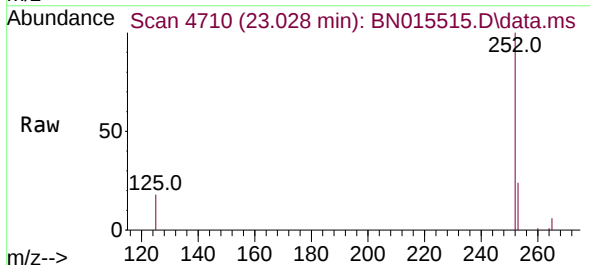
#22  
Chrysene  
Concen: 0.507 ng/ul  
RT: 21.421 min Scan# 4160  
Delta R.T. -0.007 min  
Lab File: BN015515.D  
Acq: 13 Jul 2021 07:01



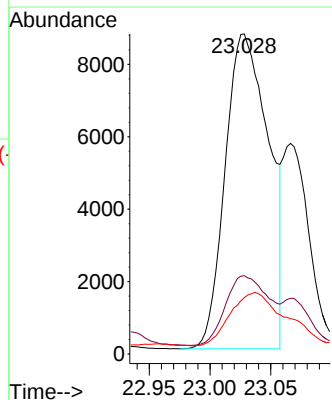
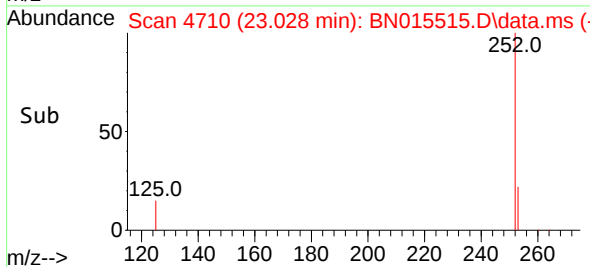
Tgt Ion:228 Resp: 19974  
Ion Ratio Lower Upper  
228 100  
226 30.8 24.6 37.0  
229 21.3 15.7 23.5



#24  
Benzo(b)fluoranthene  
Concen: 0.572 ng/ul m  
RT: 23.028 min Scan# 4710  
Delta R.T. -0.001 min  
Lab File: BN015515.D  
Acq: 13 Jul 2021 07:01



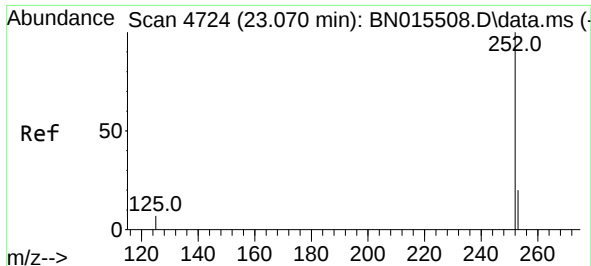
Tgt Ion:252 Resp: 21690  
Ion Ratio Lower Upper  
252 100  
253 24.5 0.0 45.6  
125 17.6 0.0 28.4



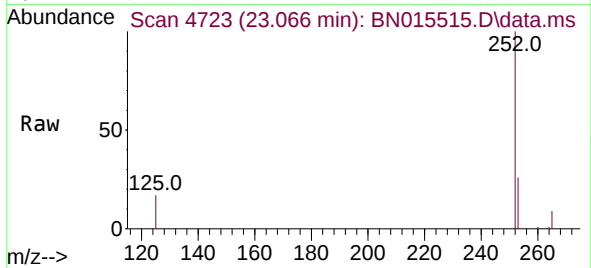
Instrument :  
BNA\_N  
ClientSampleId :  
BGDY3

Manual Integrations  
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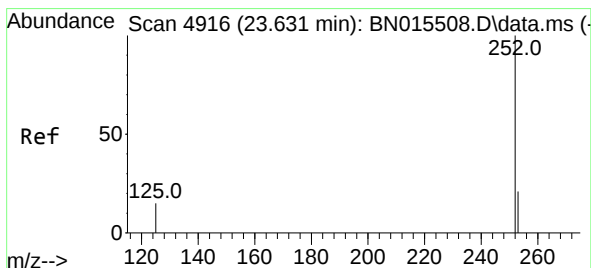
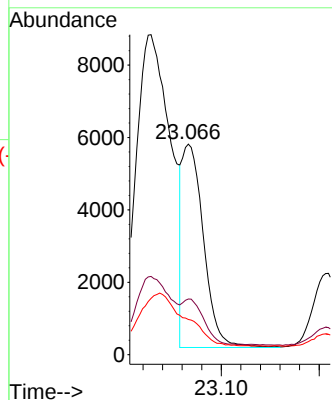
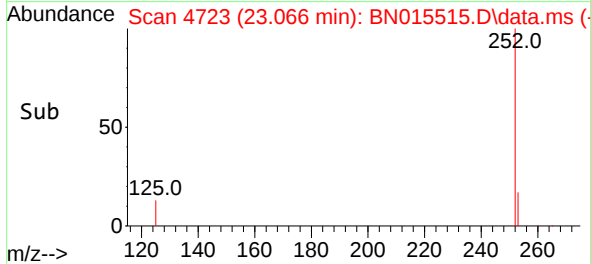
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7/13/2021 1:45:32 PM



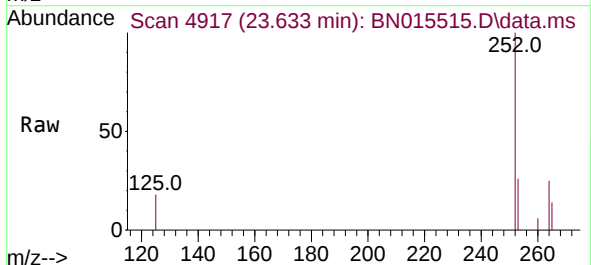
#25  
Benzo(k)fluoranthene  
Concen: 0.198 ng/ul m  
RT: 23.066 min Scan# 4723  
Delta R.T. -0.013 min  
Lab File: BN015515.D  
Acq: 13 Jul 2021 07:01



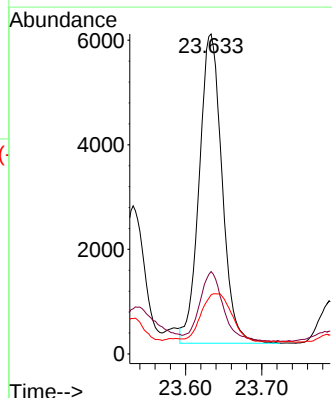
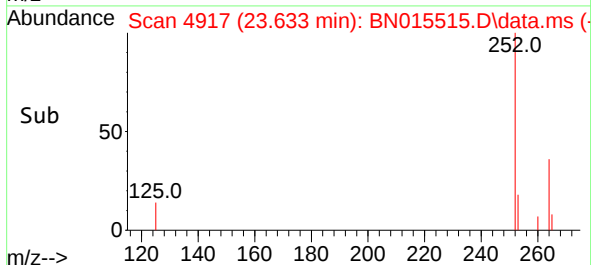
Tgt Ion:252 Resp: 8485  
Ion Ratio Lower Upper  
252 100  
253 26.5 18.1 27.1  
125 16.7 11.5 17.3



#26  
Benzo(a)pyrene  
Concen: 0.385 ng/ul  
RT: 23.633 min Scan# 4917  
Delta R.T. -0.007 min  
Lab File: BN015515.D  
Acq: 13 Jul 2021 07:01



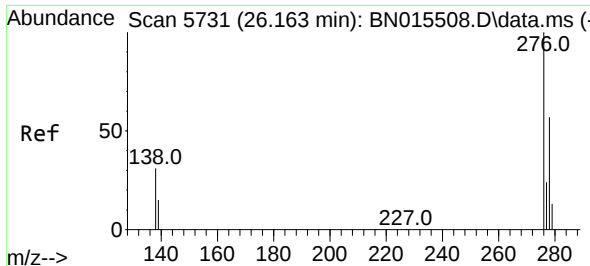
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253 25.8 18.9 28.3  
125 18.4 13.5 20.3



Instrument :  
BNA\_N  
ClientSampleId :  
BGDY3

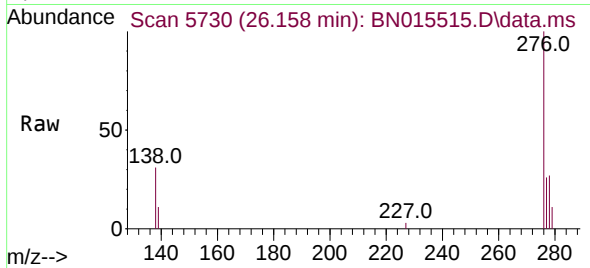
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#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.197 ng/ul  
RT: 26.158 min Scan# 5730  
Delta R.T. -0.011 min  
Lab File: BN015515.D  
Acq: 13 Jul 2021 07:01

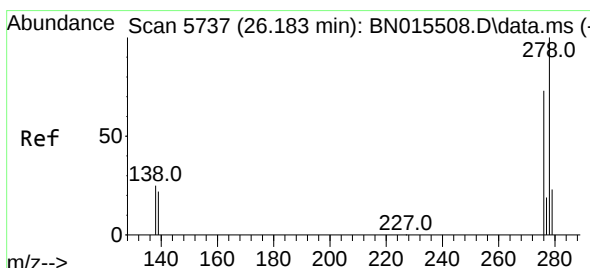
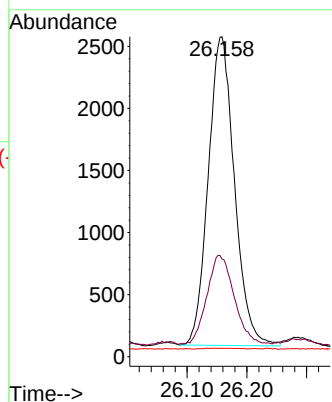
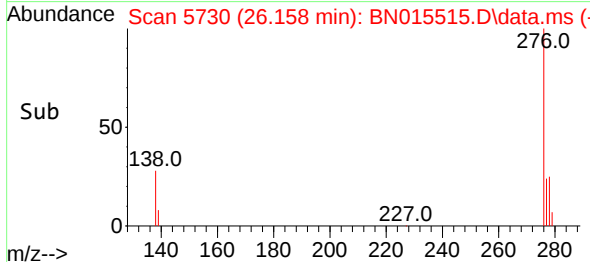
Instrument :  
BNA\_N  
ClientSampled :  
BGDY3



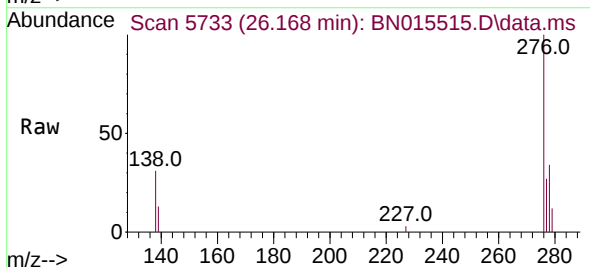
Tgt Ion: 276 Resp: 7581  
Ion Ratio Lower Upper  
276 100  
138 30.9 26.3 39.5  
227 0.0 0.1 0.1#

Manual Integrations  
APPROVED

mohammad  
7/13/2021 1:45:32 PM



#28  
Dibenzo(a,h)anthracene  
Concen: 0.078 ng/ul  
RT: 26.168 min Scan# 5733  
Delta R.T. -0.021 min  
Lab File: BN015515.D  
Acq: 13 Jul 2021 07:01



Tgt Ion: 278 Resp: 2341  
Ion Ratio Lower Upper  
278 100  
139 38.0 18.9 28.3#  
279 36.5 20.8 31.2#

