

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070821\  
 Data File : BN015472.D  
 Acq On : 10 Jul 2021 07:26  
 Operator : CG/JU  
 Sample : M2808-09  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BGDR4

Manual Integrations  
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 7/12/2021 9:34:05 AM

Quant Time: Jul 11 06:14:00 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  | 3380     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.479 | 136  | 11701    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.335 | 164  | 6267     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.081 | 188  | 12686    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.281 | 240  | 10238    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.520 | 264  | 9281     | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.281  | 96   | 7158     | 1.879 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.069 | 152  | 2851     | 0.155 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.118 | 212  | 6171     | 0.183 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.529 | 128  | 2987     | 0.080 | ng/ul# | 95       |
| 7) 2-Methylnaphthalene      | 12.146 | 142  | 539      | 0.022 | ng/ul  | 98       |
| 10) Acenaphthylene          | 14.053 | 152  | 3013     | 0.093 | ng/ul  | 95       |
| 11) Acenaphthene            | 14.400 | 153  | 1246     | 0.050 | ng/ul  | 97       |
| 12) Fluorene                | 15.390 | 166  | 2084     | 0.076 | ng/ul# | 96       |
| 15) Phenanthrene            | 17.124 | 178  | 20374    | 0.442 | ng/ul  | 99       |
| 16) Anthracene              | 17.217 | 178  | 12630    | 0.311 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.146 | 202  | 69791    | 1.475 | ng/ul  | 97       |
| 20) Pyrene                  | 19.513 | 202  | 60315    | 1.271 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.267 | 228  | 41376    | 1.091 | ng/ul  | 95       |
| 22) Chrysene                | 21.319 | 228  | 34594    | 0.762 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.851 | 252  | 36074m   | 0.832 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.891 | 252  | 16647m   | 0.340 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.424 | 252  | 25229    | 0.693 | ng/ul  | 97       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.760 | 276  | 14100    | 0.321 | ng/ul# | 92       |
| 28) Dibenzo(a,h)anthracene  | 25.773 | 278  | 4211     | 0.122 | ng/ul# | 86       |
| 29) Benzo(g,h,i)perylene    | 26.451 | 276  | 2023     | 0.050 | ng/ul# | 73       |
| -----                       |        |      |          |       |        |          |

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

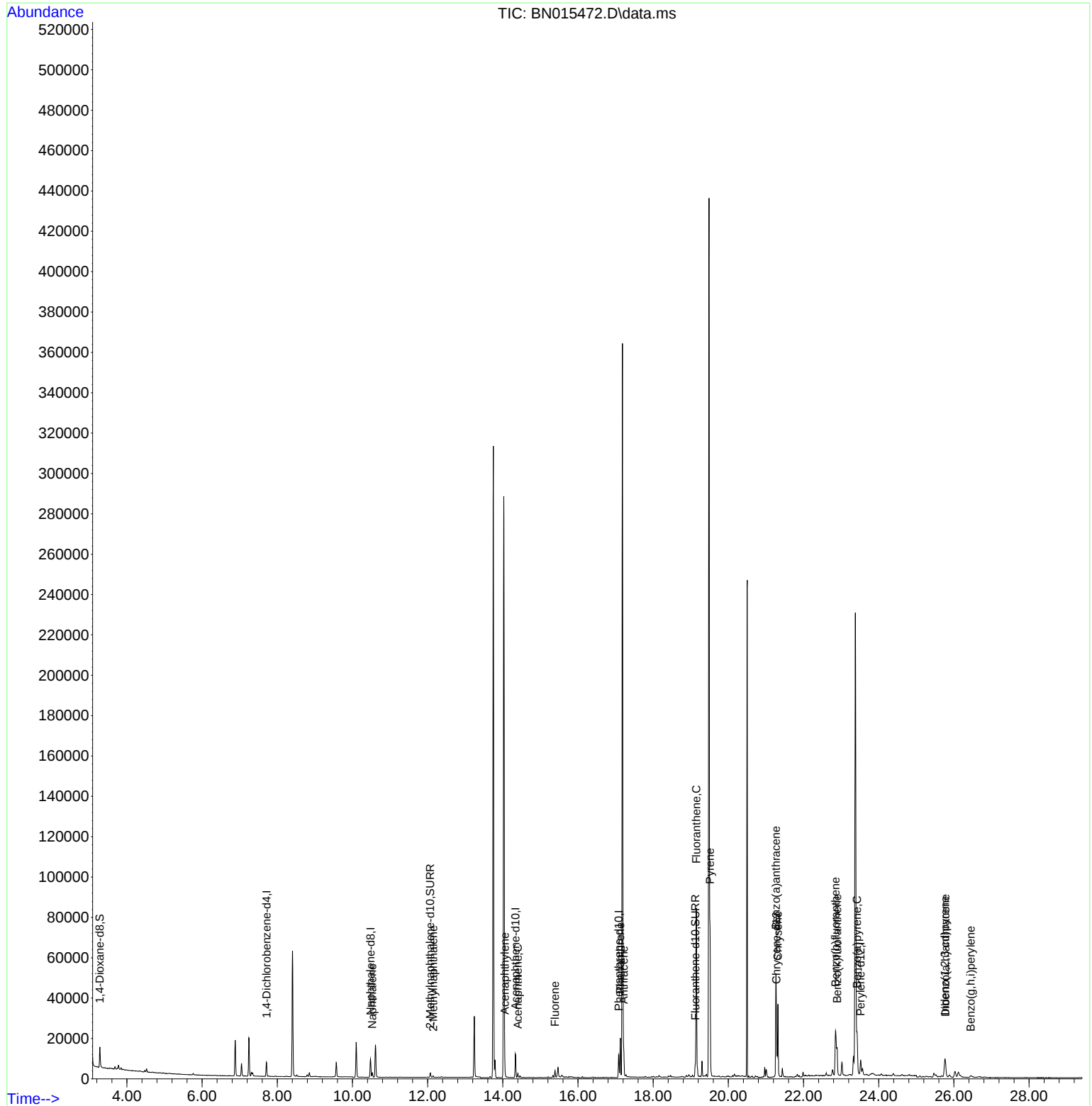
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070821\  
Data File : BN015472.D  
Acq On : 10 Jul 2021 07:26  
Operator : CG/JU  
Sample : M2808-09  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

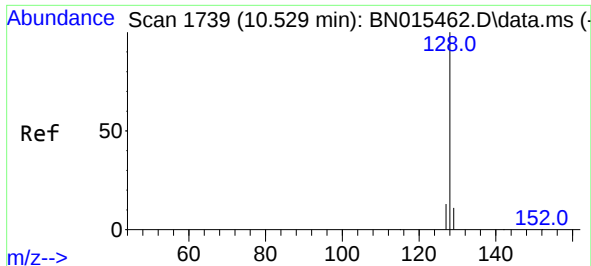
Instrument :  
BNA\_N  
ClientSampleId :  
BGDR4

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Quant Time: Jul 11 06:14:00 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  
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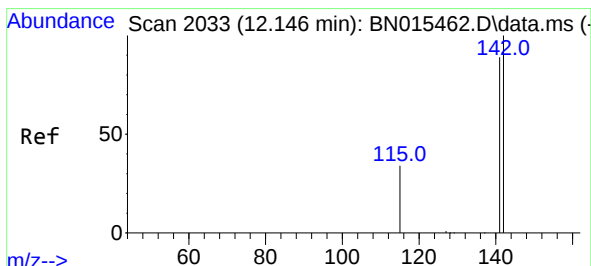
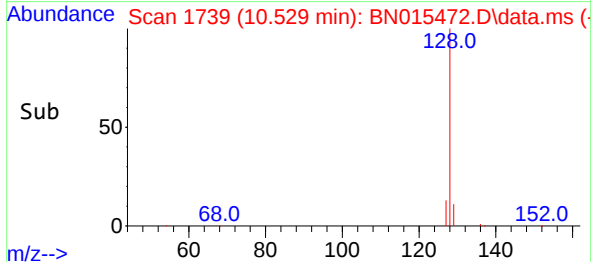
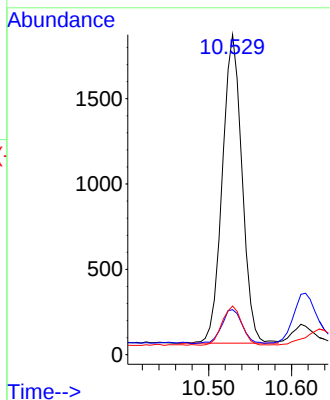
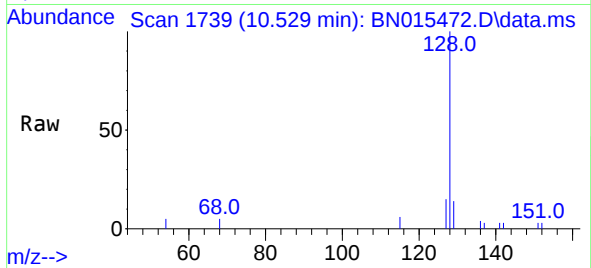
#5  
Naphthalene  
Concen: 0.080 ng/ul  
RT: 10.529 min Scan# 1739  
Delta R.T. 0.000 min  
Lab File: BN015472.D  
Acq: 10 Jul 2021 07:26

Tgt Ion:128 Resp: 2987  
Ion Ratio Lower Upper  
128 100  
129 14.1 9.3 13.9#  
127 15.2 10.8 16.2

Instrument :  
BNA\_N  
ClientSampleId :  
BGDR4

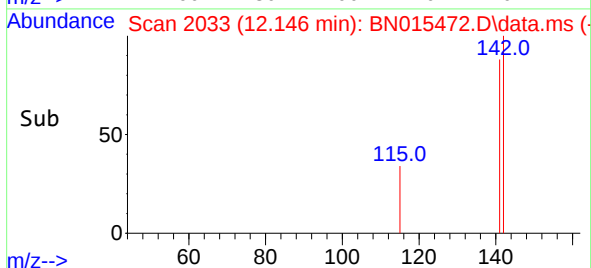
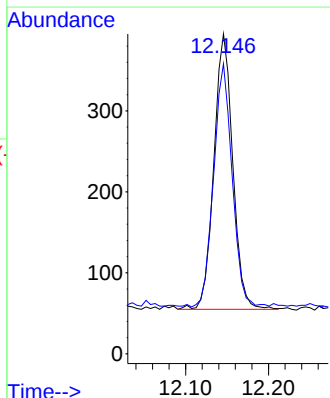
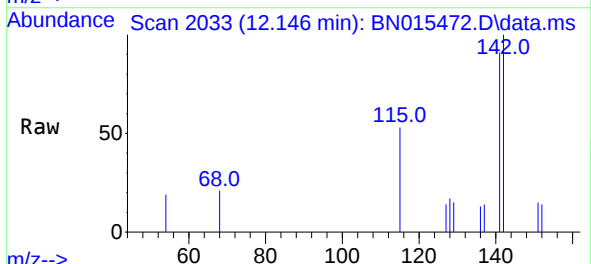
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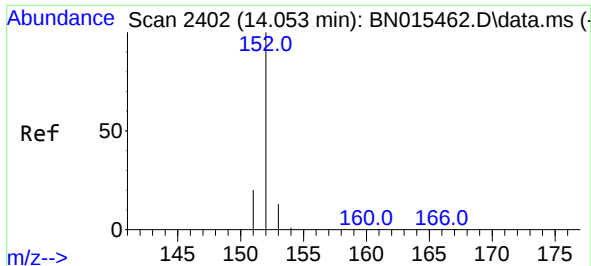
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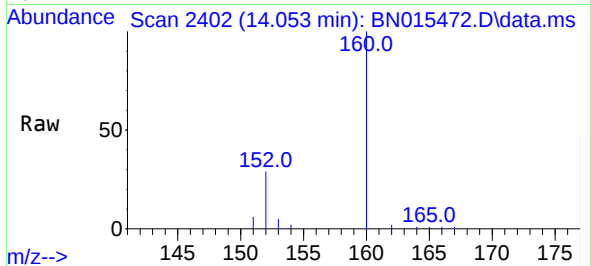
#7  
2-Methylnaphthalene  
Concen: 0.022 ng/ul  
RT: 12.146 min Scan# 2033  
Delta R.T. 0.000 min  
Lab File: BN015472.D  
Acq: 10 Jul 2021 07:26

Tgt Ion:142 Resp: 539  
Ion Ratio Lower Upper  
142 100  
141 85.9 70.3 105.5



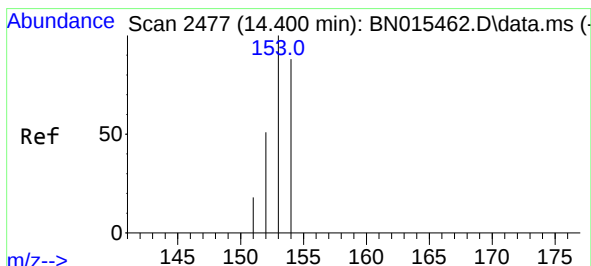
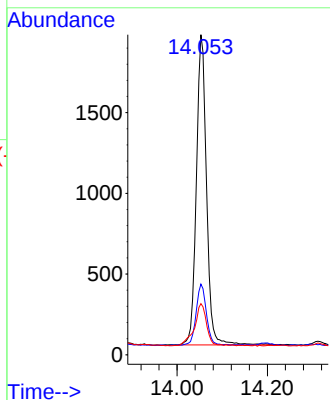
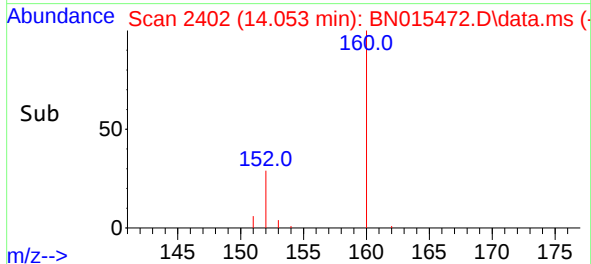


#10  
Acenaphthylene  
Concen: 0.093 ng/ul  
RT: 14.053 min Scan# 2402  
Delta R.T. -0.005 min  
Lab File: BN015472.D  
Acq: 10 Jul 2021 07:26

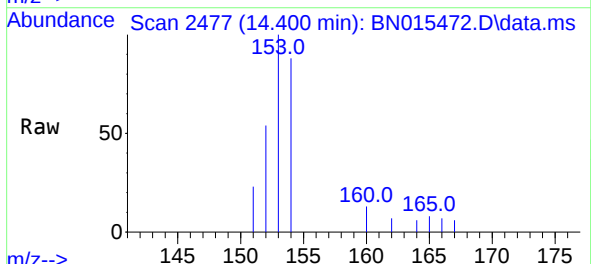


Tgt Ion:152 Resp: 3013

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 22.1  | 16.0  | 24.0  |
| 153 | 16.0  | 10.9  | 16.3  |

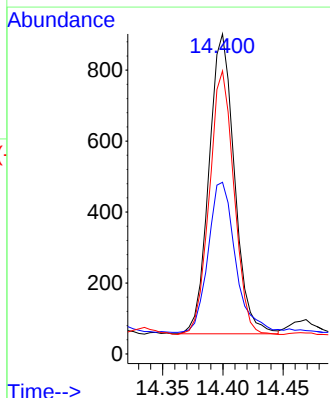
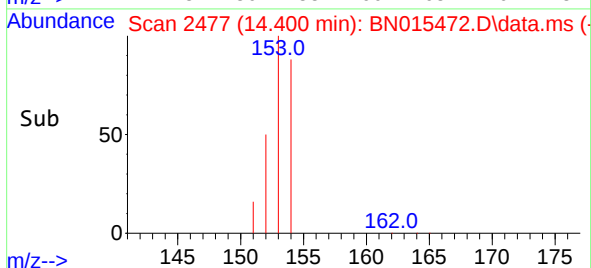


#11  
Acenaphthene  
Concen: 0.050 ng/ul  
RT: 14.400 min Scan# 2477  
Delta R.T. 0.000 min  
Lab File: BN015472.D  
Acq: 10 Jul 2021 07:26



Tgt Ion:153 Resp: 1246

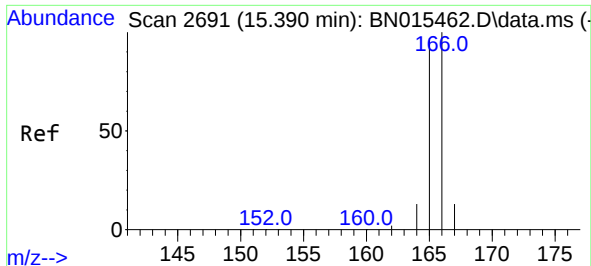
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 153 | 100   |       |       |
| 152 | 53.7  | 39.8  | 59.6  |
| 154 | 88.5  | 69.8  | 104.8 |



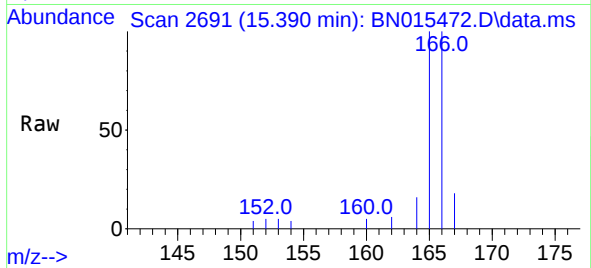
Instrument :  
BNA\_N  
ClientSampled :  
BGDR4

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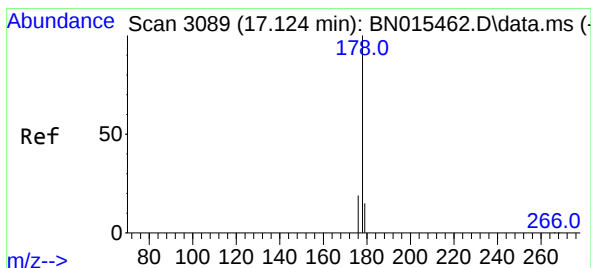
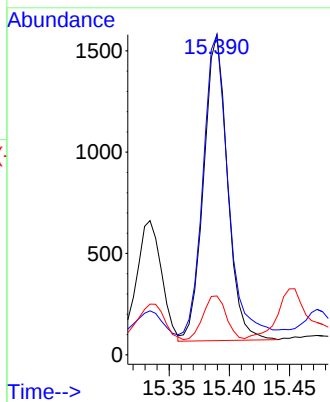
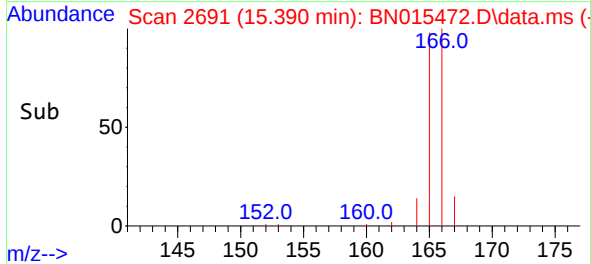
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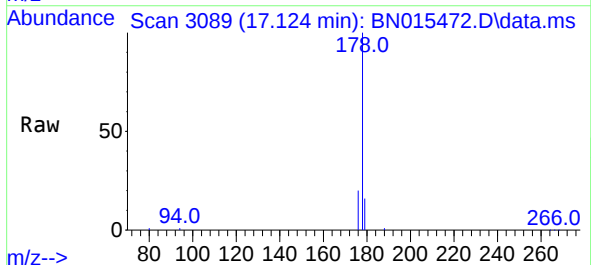
#12  
Fluorene  
Concen: 0.076 ng/ul  
RT: 15.390 min Scan# 2691  
Delta R.T. 0.000 min  
Lab File: BN015472.D  
Acq: 10 Jul 2021 07:26



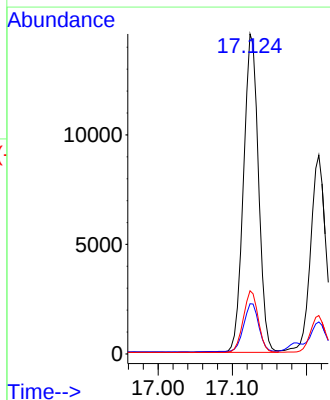
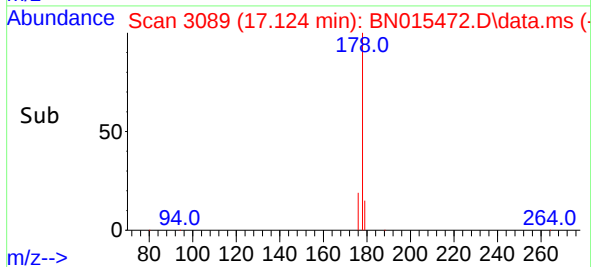
Tgt Ion:166 Resp: 2084  
Ion Ratio Lower Upper  
166 100  
165 99.9 77.8 116.8  
167 18.4 11.2 16.8#



#15  
Phenanthrene  
Concen: 0.442 ng/ul  
RT: 17.124 min Scan# 3089  
Delta R.T. -0.004 min  
Lab File: BN015472.D  
Acq: 10 Jul 2021 07:26



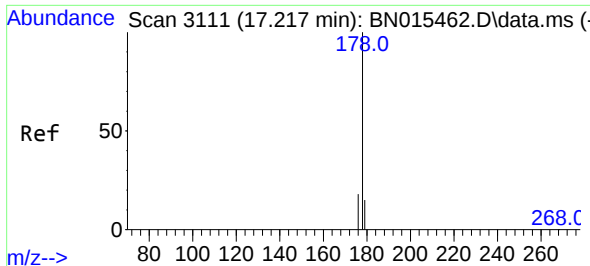
Tgt Ion:178 Resp: 20374  
Ion Ratio Lower Upper  
178 100  
179 15.7 12.3 18.5  
176 19.8 15.5 23.3



Instrument :  
BNA\_N  
ClientSampled :  
BGDR4

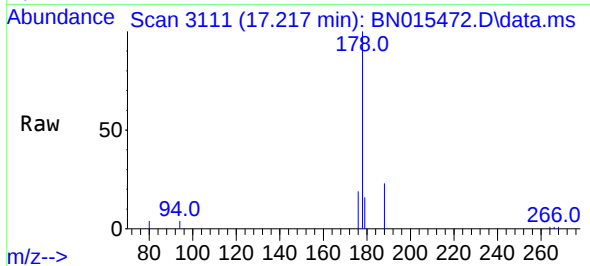
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#16  
 Anthracene  
 Concen: 0.311 ng/u1  
 RT: 17.217 min Scan# 3111  
 Delta R.T. 0.000 min  
 Lab File: BN015472.D  
 Acq: 10 Jul 2021 07:26

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BGDR4

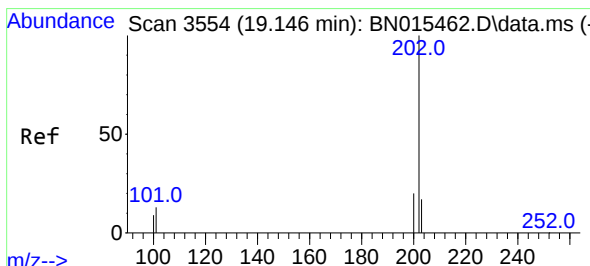
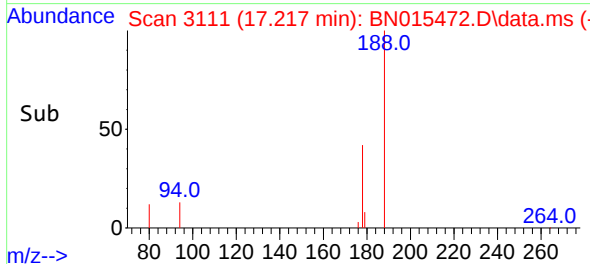
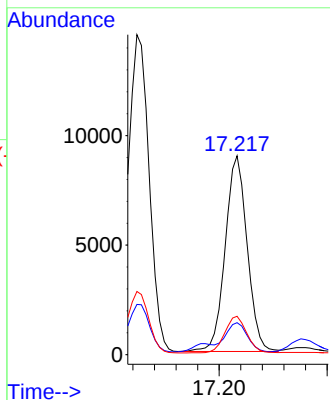


Tgt Ion:178 Resp: 12630

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 16.1  | 12.8  | 19.2  |
| 176 | 19.4  | 15.2  | 22.8  |

Manual Integrations  
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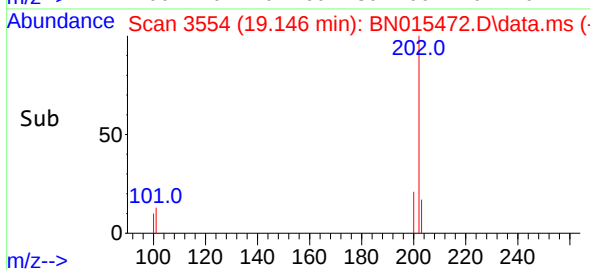
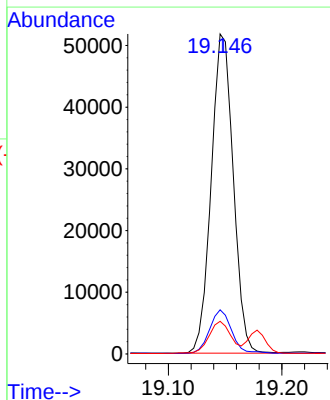
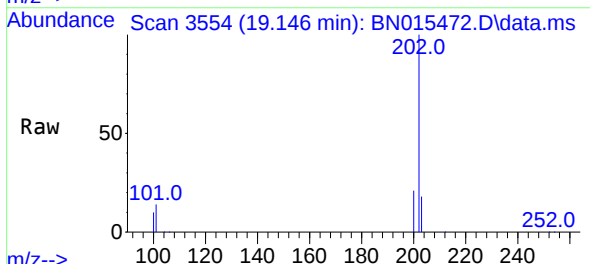
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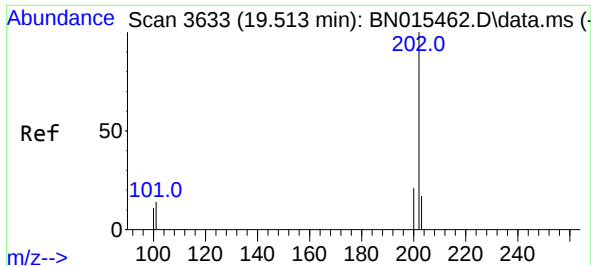


#19  
 Fluoranthene  
 Concen: 1.475 ng/u1  
 RT: 19.146 min Scan# 3554  
 Delta R.T. -0.004 min  
 Lab File: BN015472.D  
 Acq: 10 Jul 2021 07:26

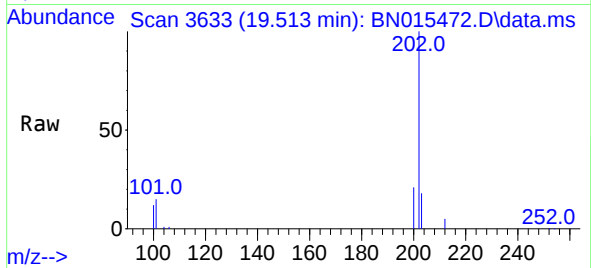
Tgt Ion:202 Resp: 69791

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

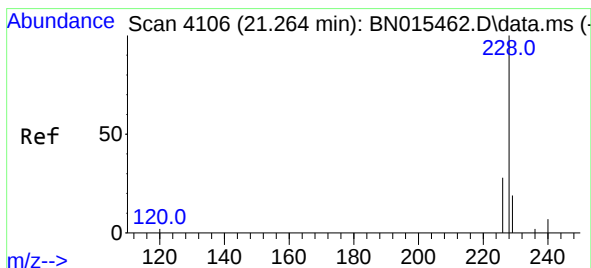
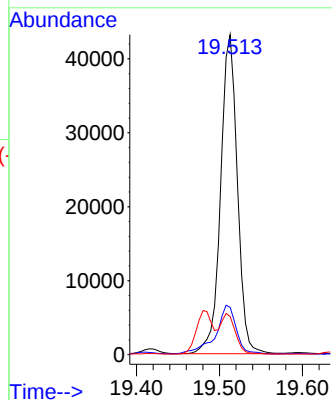
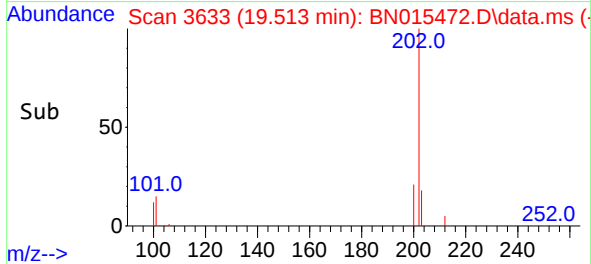




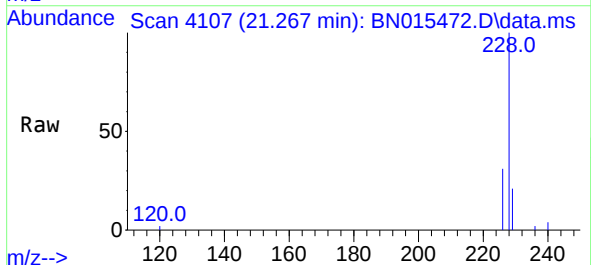
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Pyrene  
Concen: 1.271 ng/ul  
RT: 19.513 min Scan# 3633  
Delta R.T. -0.004 min  
Lab File: BN015472.D  
Acq: 10 Jul 2021 07:26



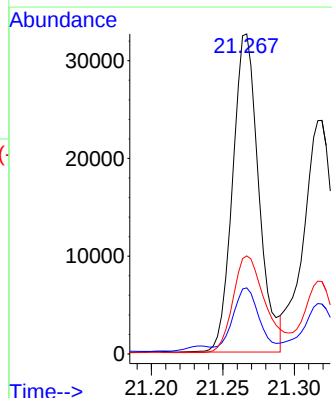
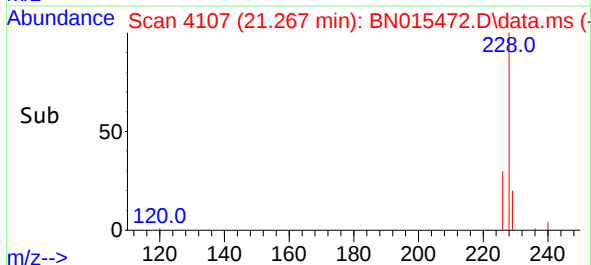
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Ion Ratio Lower Upper  
202 100  
101 14.8 12.0 18.0  
100 11.9 9.6 14.4



#21  
Benzo(a)anthracene  
Concen: 1.091 ng/ul  
RT: 21.267 min Scan# 4107  
Delta R.T. -0.005 min  
Lab File: BN015472.D  
Acq: 10 Jul 2021 07:26



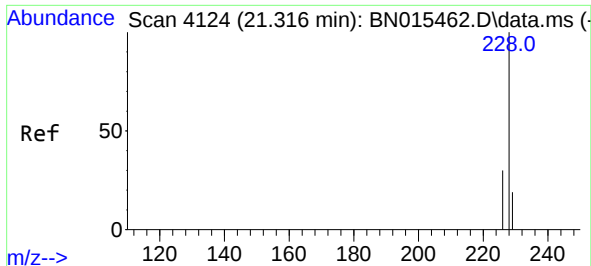
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Ion Ratio Lower Upper  
228 100  
229 20.7 15.8 23.8  
226 30.6 21.8 32.8



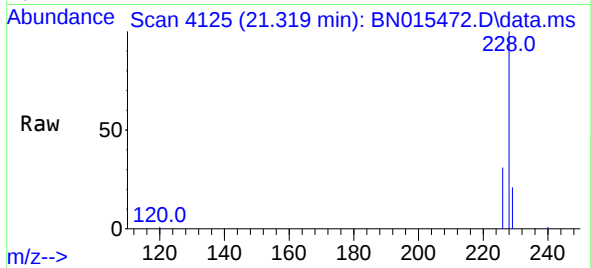
Instrument :  
BNA\_N  
ClientSampleId :  
BGDR4

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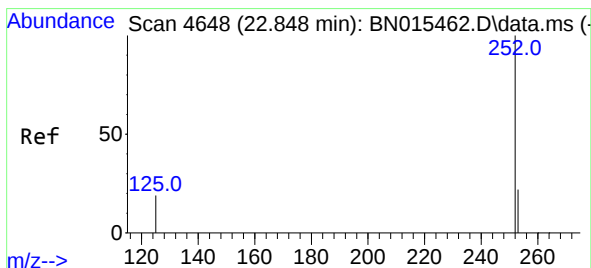
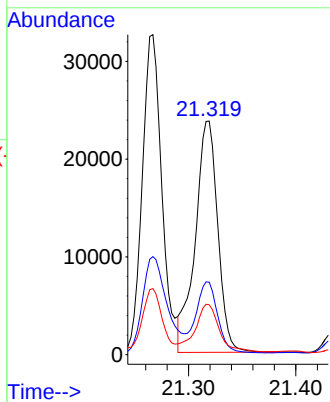
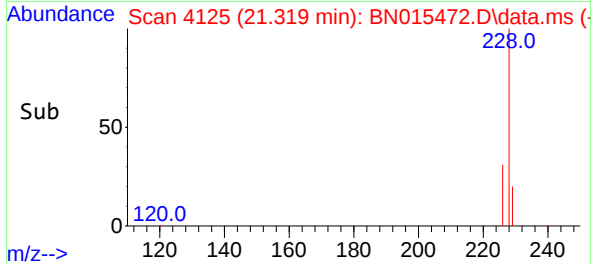
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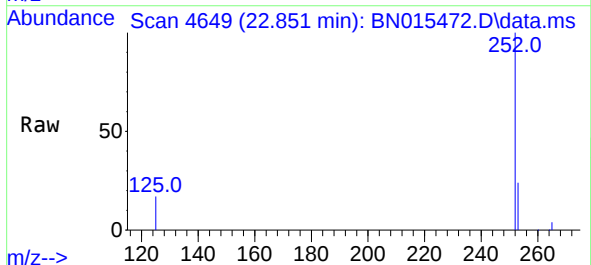
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Chrysene  
Concen: 0.762 ng/ul  
RT: 21.319 min Scan# 4125  
Delta R.T. -0.002 min  
Lab File: BN015472.D  
Acq: 10 Jul 2021 07:26



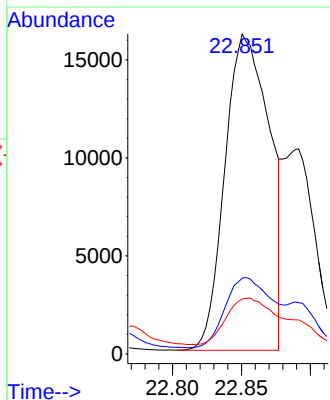
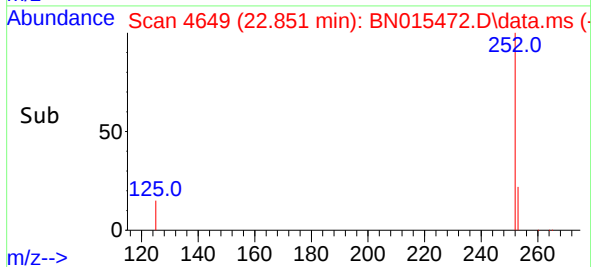
Tgt Ion:228 Resp: 34594  
Ion Ratio Lower Upper  
228 100  
226 31.0 24.6 37.0  
229 21.4 15.7 23.5



#24  
Benzo(b)fluoranthene  
Concen: 0.832 ng/ul m  
RT: 22.851 min Scan# 4649  
Delta R.T. -0.005 min  
Lab File: BN015472.D  
Acq: 10 Jul 2021 07:26



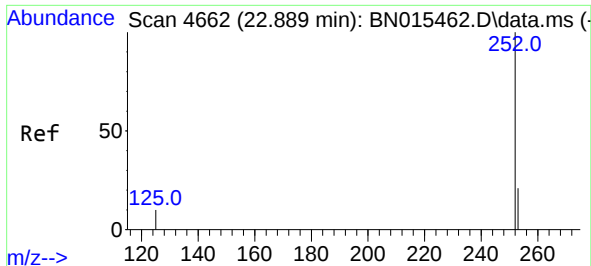
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125 17.2 0.0 28.4



Instrument :  
BNA\_N  
ClientSampleId :  
BGDR4

Manual Integrations  
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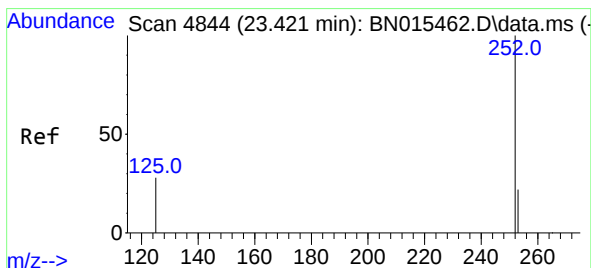
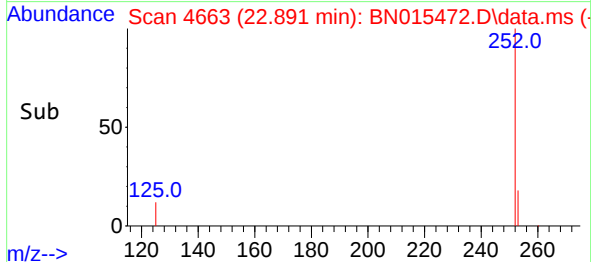
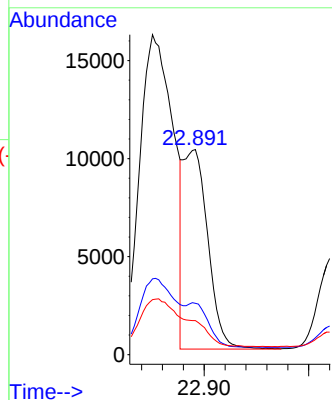
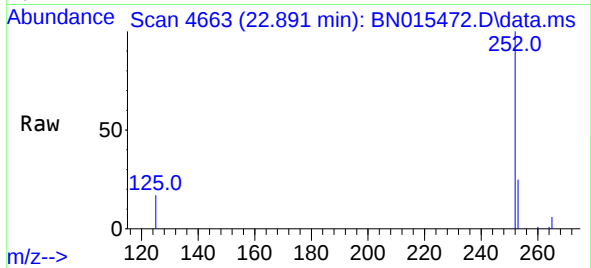
#25  
Benzo(k)fluoranthene  
Concen: 0.340 ng/ul m  
RT: 22.891 min Scan# 4663  
Delta R.T. -0.008 min  
Lab File: BN015472.D  
Acq: 10 Jul 2021 07:26

Tgt Ion:252 Resp: 16647  
Ion Ratio Lower Upper  
252 100  
253 25.1 18.1 27.1  
125 16.6 11.5 17.3

Instrument :  
BNA\_N  
ClientSampled :  
BGDR4

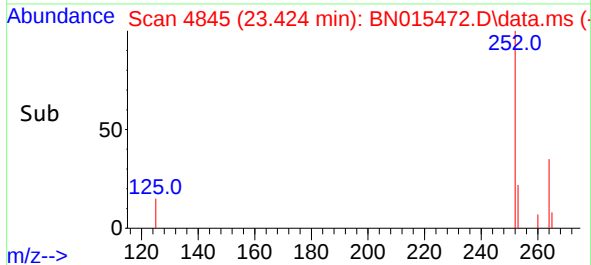
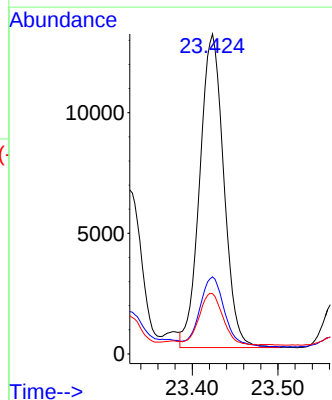
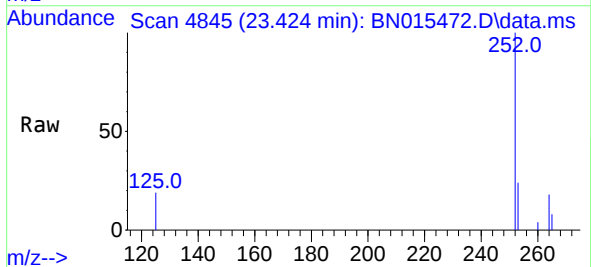
Manual Integrations  
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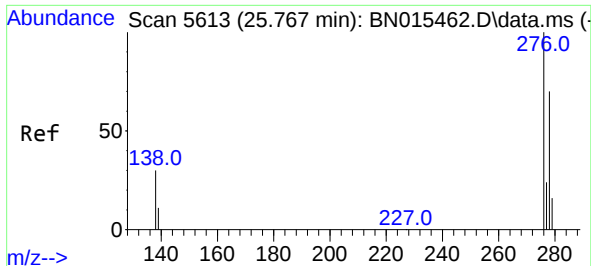
mohammad  
7/12/2021 9:34:05 AM



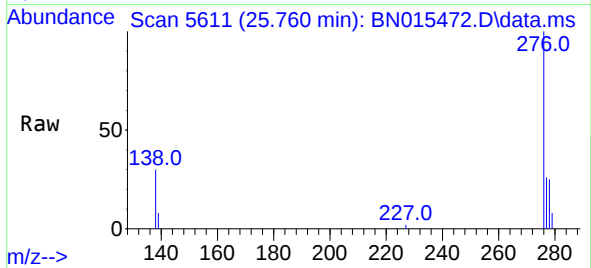
#26  
Benzo(a)pyrene  
Concen: 0.693 ng/ul  
RT: 23.424 min Scan# 4845  
Delta R.T. -0.005 min  
Lab File: BN015472.D  
Acq: 10 Jul 2021 07:26

Tgt Ion:252 Resp: 25229  
Ion Ratio Lower Upper  
252 100  
253 24.1 18.9 28.3  
125 18.9 13.5 20.3

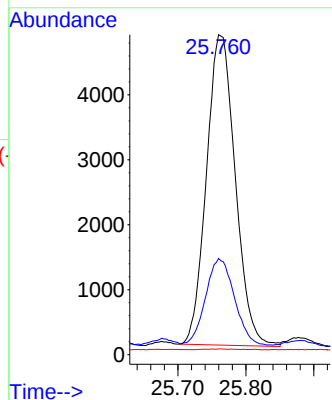




#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.321 ng/ul  
RT: 25.760 min Scan# 5611  
Delta R.T. -0.016 min  
Lab File: BN015472.D  
Acq: 10 Jul 2021 07:26



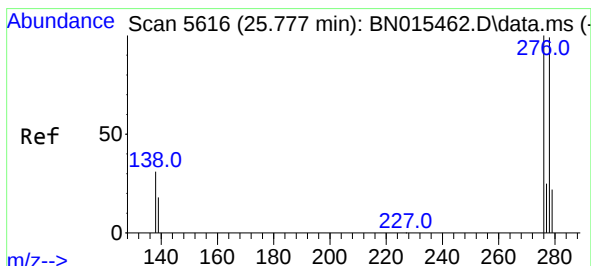
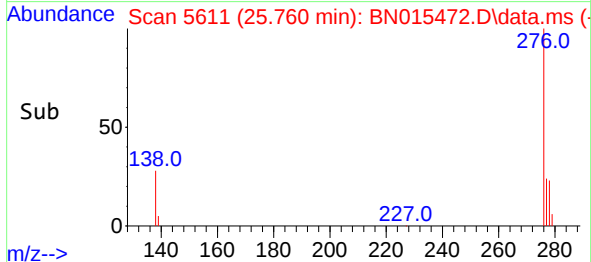
Tgt Ion: 276 Resp: 14100  
Ion Ratio Lower Upper  
276 100  
138 28.5 26.3 39.5  
227 0.0 0.1 0.1#



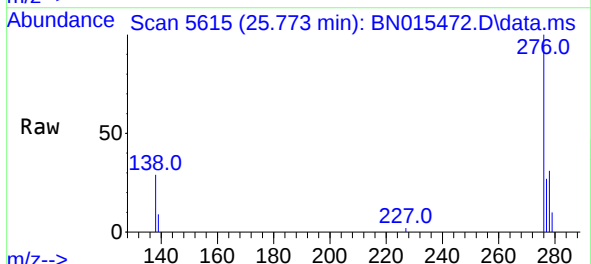
Instrument :  
BNA\_N  
ClientSampled :  
BGDR4

Manual Integrations  
APPROVED

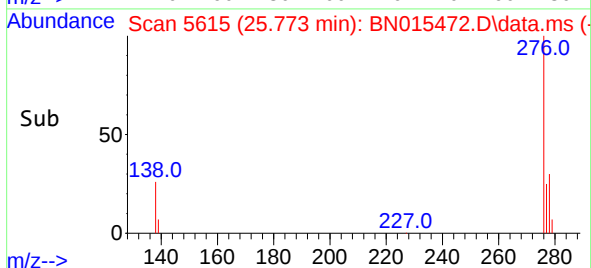
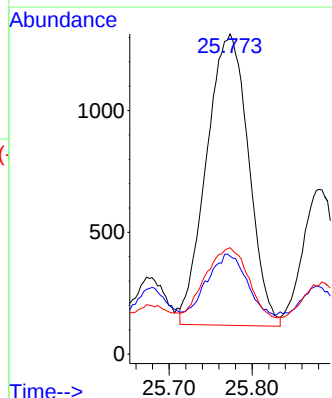
mohammad  
7/12/2021 9:34:05 AM

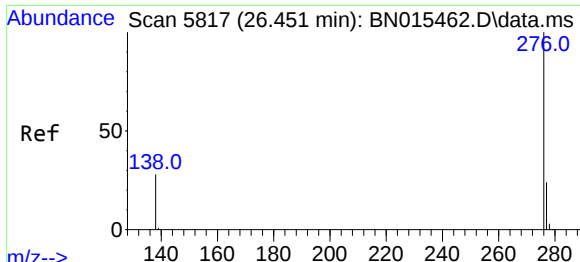


#28  
Dibenzo(a,h)anthracene  
Concen: 0.122 ng/ul  
RT: 25.773 min Scan# 5615  
Delta R.T. -0.016 min  
Lab File: BN015472.D  
Acq: 10 Jul 2021 07:26



Tgt Ion: 278 Resp: 4211  
Ion Ratio Lower Upper  
278 100  
139 30.6 18.9 28.3#  
279 33.2 20.8 31.2#





#29  
 Benzo(g,h,i)perylene  
 Concen: 0.050 ng/ul  
 RT: 26.451 min Scan# 5817  
 Delta R.T. -0.013 min  
 Lab File: BN015472.D  
 Acq: 10 Jul 2021 07:26

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 2023  |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 43.8  | 23.0  | 34.4# |
| 277       | 36.3  | 19.3  | 28.9# |

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BGDR4

Manual Integrations  
 APPROVED

mohammad  
 7/12/2021 9:34:05 AM

