

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092623\  
 Data File : BN027857.D  
 Acq On : 26 Sep 2023 11:53  
 Operator : MA/JU  
 Sample : 04410-03  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BBK31

Quant Time: Sep 27 02:59:52 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN091523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 22 03:58:00 2023  
 Response via : Initial Calibration

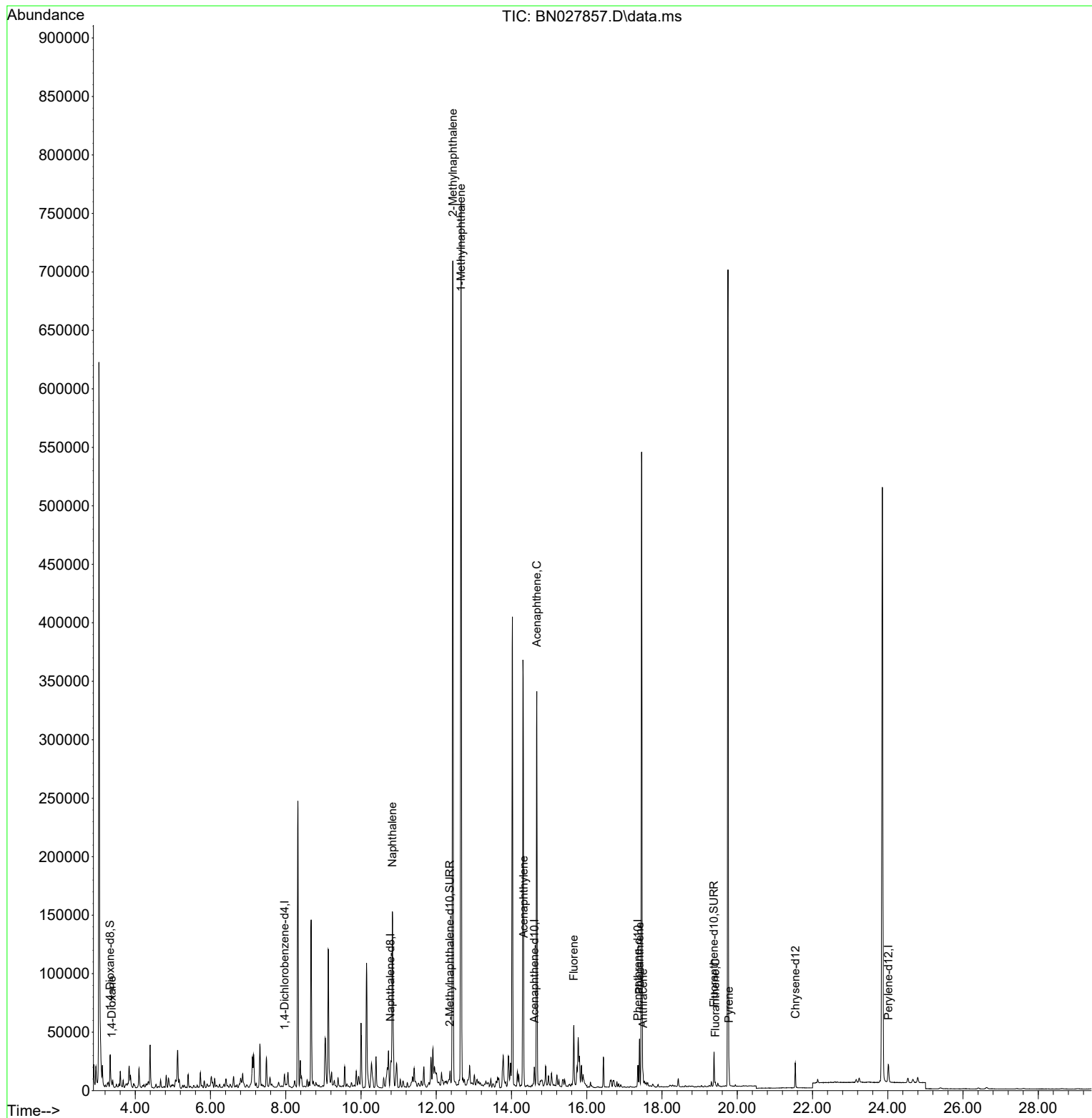
| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.966  | 152  | 3595     | 0.400  | ng/ul  | # 0.00   |
| 4) Naphthalene-d8           | 10.784 | 136  | 13450    | 0.400  | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.606 | 164  | 9120     | 0.400  | ng/ul  | 0.01     |
| 13) Phenanthrene-d10        | 17.359 | 188  | 20670    | 0.400  | ng/ul  | # 0.02   |
| 17) Chrysene-d12            | 21.542 | 240  | 19441    | 0.400  | ng/ul  | 0.02     |
| 23) Perylene-d12            | 24.015 | 264  | 22329    | 0.400  | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.334  | 96   | 16824    | 3.715  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.363 | 152  | 10755    | 0.528  | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.381 | 212  | 30659    | 0.516  | ng/ul  | 0.02     |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.372  | 88   | 1444     | 0.306  | ng/ul# | 48       |
| 5) Naphthalene              | 10.834 | 128  | 216178   | 5.624  | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.440 | 142  | 478159   | 19.603 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.660 | 142  | 505637   | 20.096 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.324 | 152  | 6467     | 0.162  | ng/ul# | 1        |
| 11) Acenaphthene            | 14.671 | 153  | 183975   | 5.342  | ng/ul  | 97       |
| 12) Fluorene                | 15.656 | 166  | 31757    | 0.784  | ng/ul# | 94       |
| 15) Phenanthrene            | 17.401 | 178  | 41868    | 0.645  | ng/ul  | 98       |
| 16) Anthracene              | 17.494 | 178  | 9207     | 0.169  | ng/ul# | 87       |
| 19) Fluoranthene            | 19.413 | 202  | 2960     | 0.038  | ng/ul# | 72       |
| 20) Pyrene                  | 19.780 | 202  | 10361    | 0.128  | ng/ul  | 95       |
| -----                       |        |      |          |        |        |          |

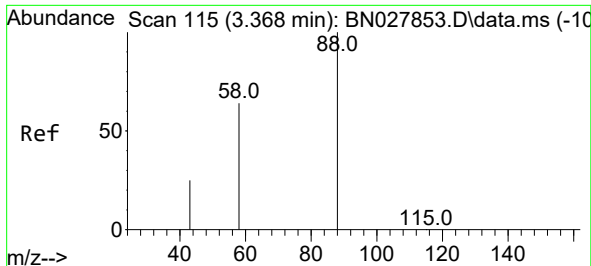
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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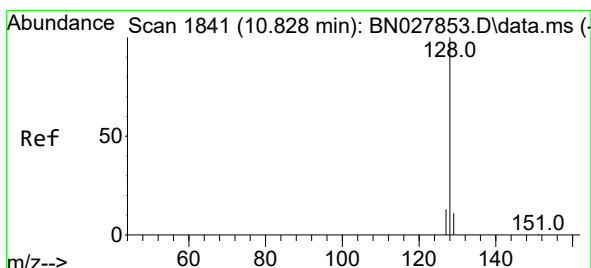
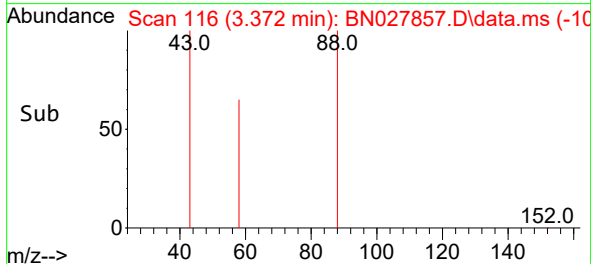
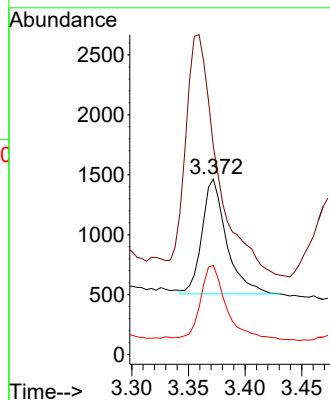
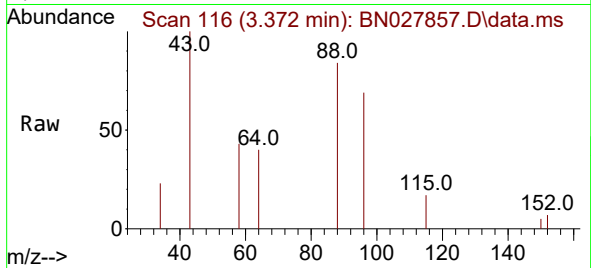




#2  
1,4-Dioxane  
Concen: 0.306 ng/ul  
RT: 3.372 min Scan# 116  
Delta R.T. -0.000 min  
Lab File: BN027857.D  
Acq: 26 Sep 2023 11:53

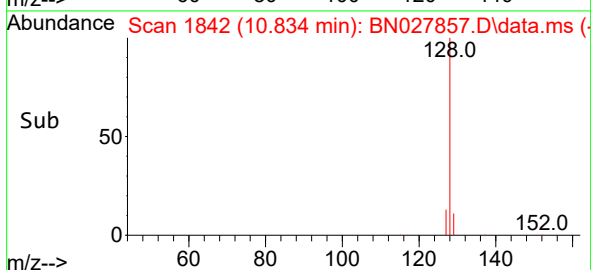
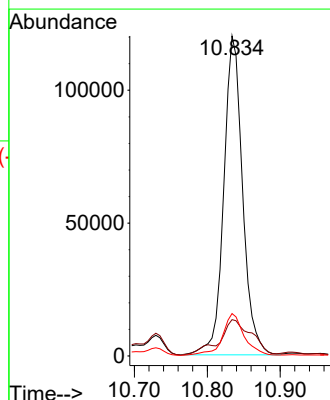
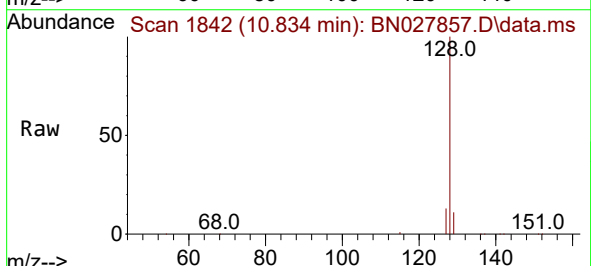
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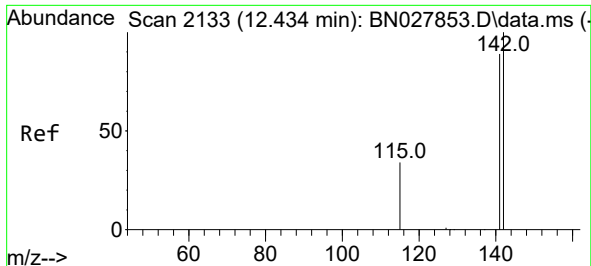
Tgt Ion: 88 Resp: 1444  
Ion Ratio Lower Upper  
88 100  
43 118.6 39.6 59.4#  
58 50.9 48.3 72.5



#5  
Naphthalene  
Concen: 5.624 ng/ul  
RT: 10.834 min Scan# 1842  
Delta R.T. 0.006 min  
Lab File: BN027857.D  
Acq: 26 Sep 2023 11:53

Tgt Ion:128 Resp: 216178  
Ion Ratio Lower Upper  
128 100  
129 11.3 9.3 13.9  
127 13.2 10.7 16.1

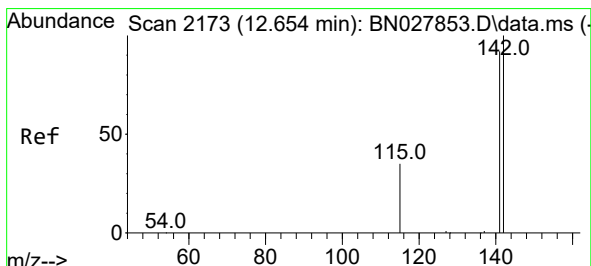
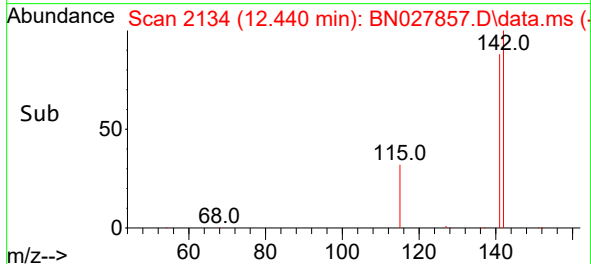
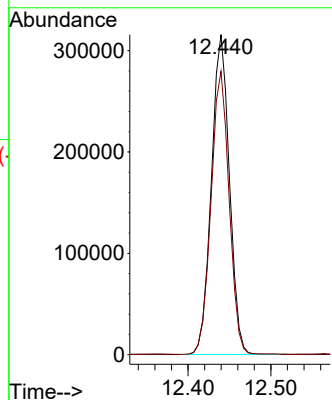
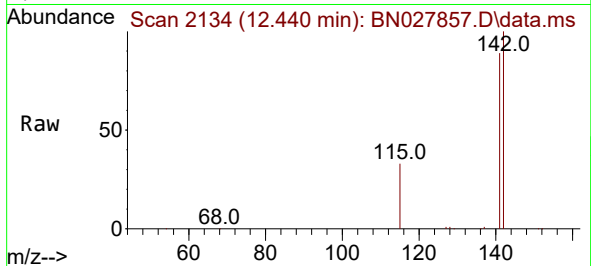




#7  
2-Methylnaphthalene  
Concen: 19.603 ng/ul  
RT: 12.440 min Scan# 2134  
Delta R.T. 0.012 min  
Lab File: BN027857.D  
Acq: 26 Sep 2023 11:53

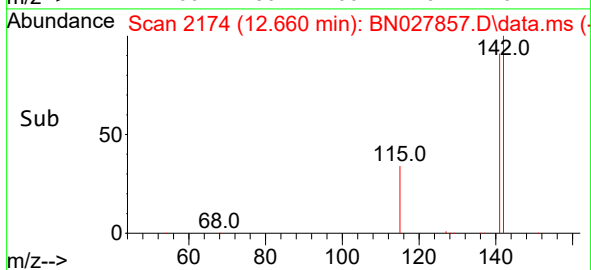
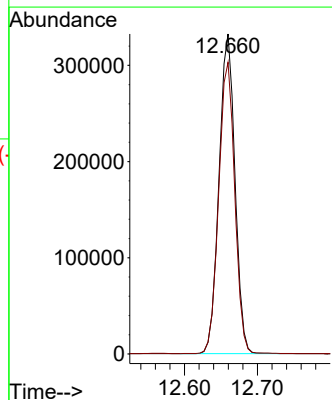
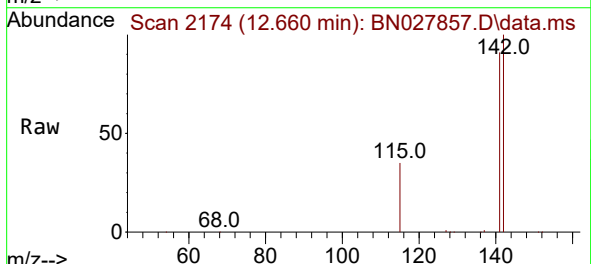
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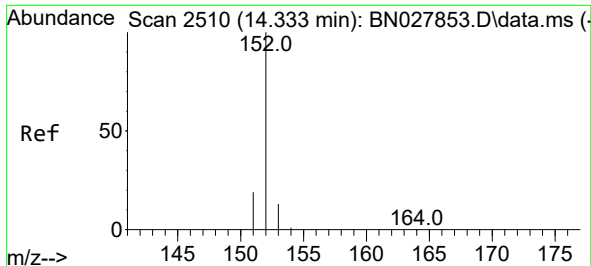
Tgt Ion:142 Resp: 478159  
Ion Ratio Lower Upper  
142 100  
141 88.7 71.1 106.7



#8  
1-Methylnaphthalene  
Concen: 20.096 ng/ul  
RT: 12.660 min Scan# 2174  
Delta R.T. 0.012 min  
Lab File: BN027857.D  
Acq: 26 Sep 2023 11:53

Tgt Ion:142 Resp: 505637  
Ion Ratio Lower Upper  
142 100  
141 91.9 72.8 109.2

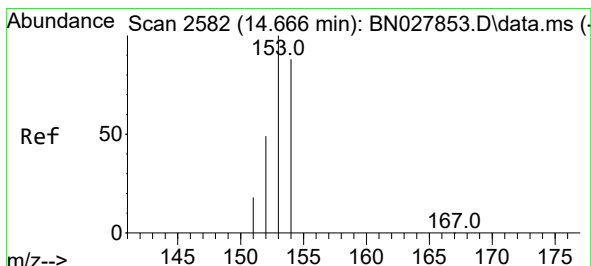
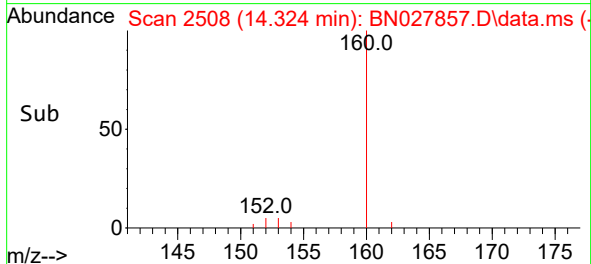
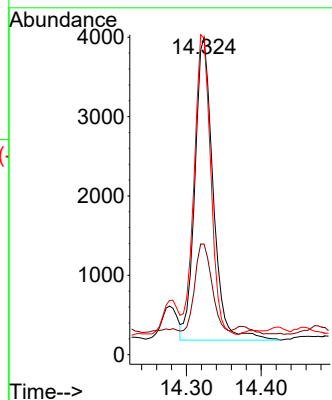
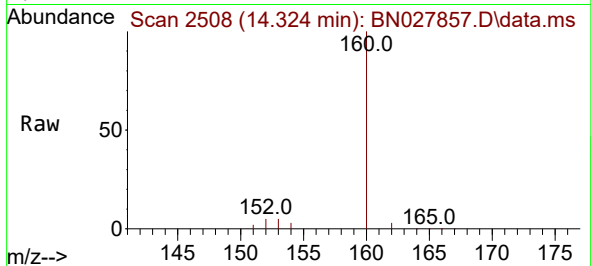




#10  
Acenaphthylene  
Concen: 0.162 ng/ul  
RT: 14.324 min Scan# 2510  
Delta R.T. 0.004 min  
Lab File: BN027857.D  
Acq: 26 Sep 2023 11:53

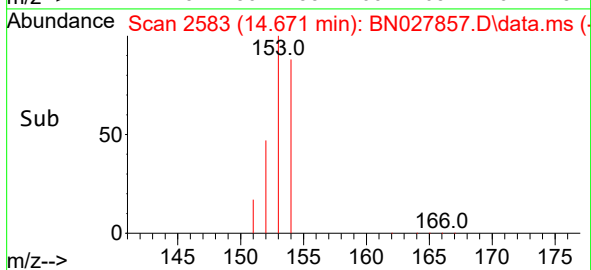
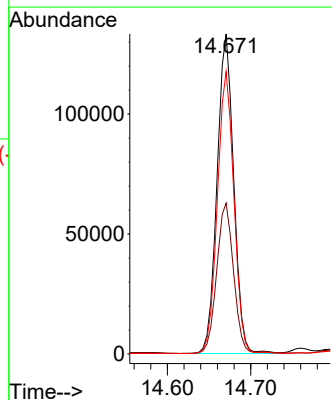
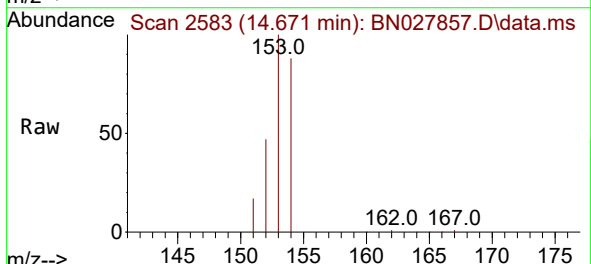
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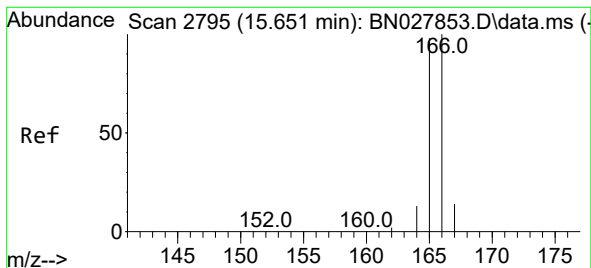
Tgt Ion:152 Resp: 6467  
Ion Ratio Lower Upper  
152 100  
151 34.9 16.6 25.0#  
153 99.7 11.0 16.6#



#11  
Acenaphthene  
Concen: 5.342 ng/ul  
RT: 14.671 min Scan# 2583  
Delta R.T. 0.018 min  
Lab File: BN027857.D  
Acq: 26 Sep 2023 11:53

Tgt Ion:153 Resp: 183975  
Ion Ratio Lower Upper  
153 100  
152 47.1 41.7 62.5  
154 88.3 70.3 105.5





#12

Fluorene

Concen: 0.784 ng/ul

RT: 15.656 min Scan# 21

Delta R.T. 0.018 min

Lab File: BN027857.D

Acq: 26 Sep 2023 11:53

Instrument :

BNA\_N

ClientSampleId :

BBK31

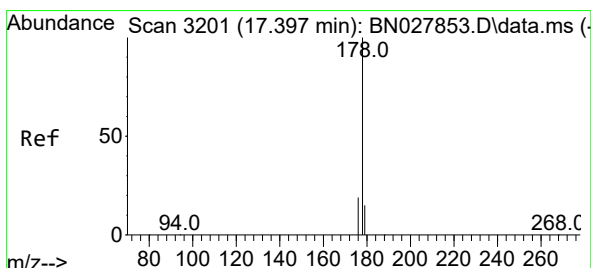
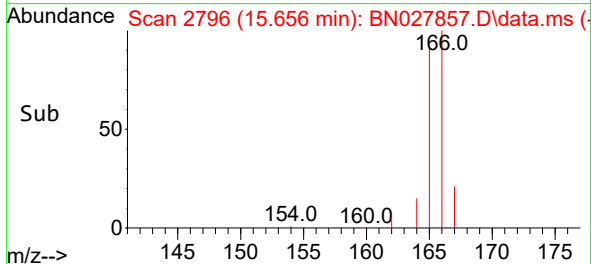
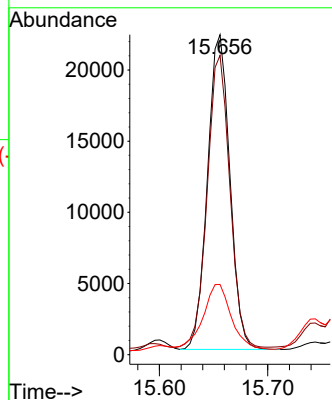
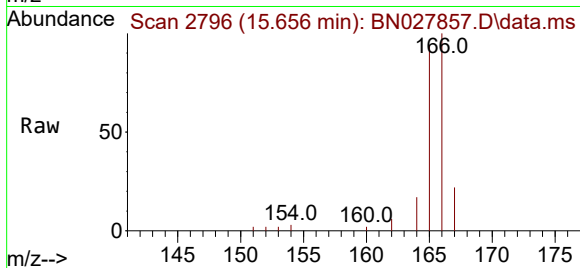
Tgt Ion:166 Resp: 31757

Ion Ratio Lower Upper

166 100

165 93.6 78.0 117.0

167 21.9 11.4 17.2#



#15

Phenanthrene

Concen: 0.645 ng/ul

RT: 17.401 min Scan# 3202

Delta R.T. 0.016 min

Lab File: BN027857.D

Acq: 26 Sep 2023 11:53

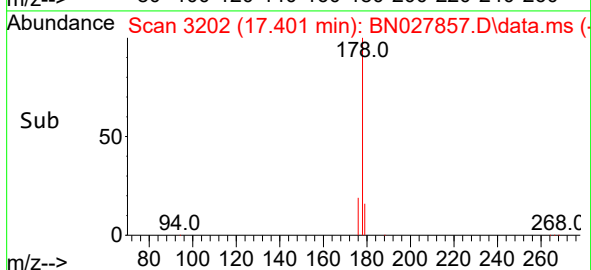
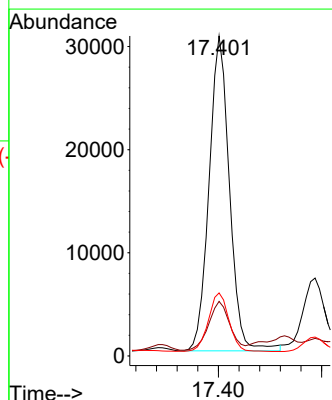
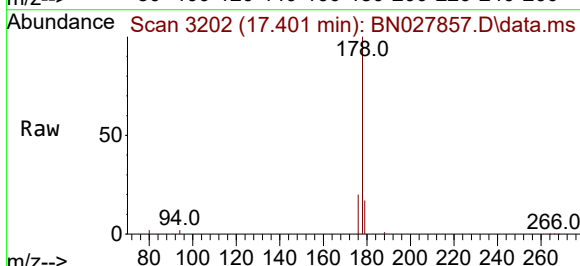
Tgt Ion:178 Resp: 41868

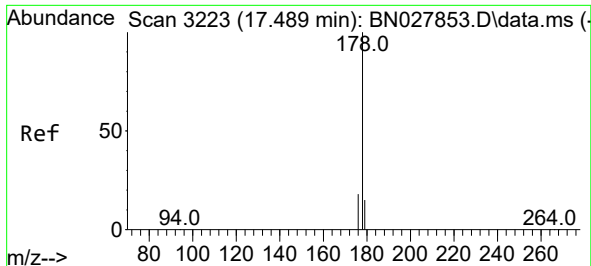
Ion Ratio Lower Upper

178 100

179 17.0 12.4 18.6

176 19.7 16.0 24.0

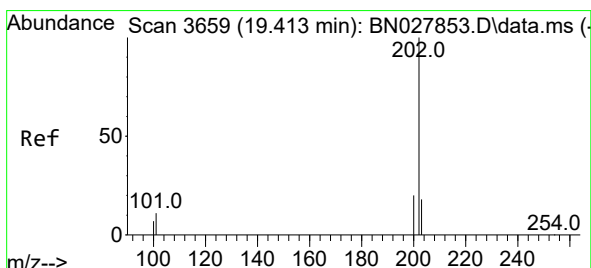
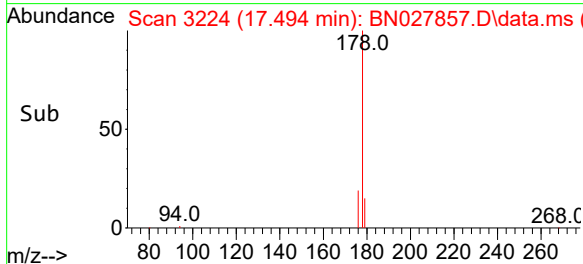
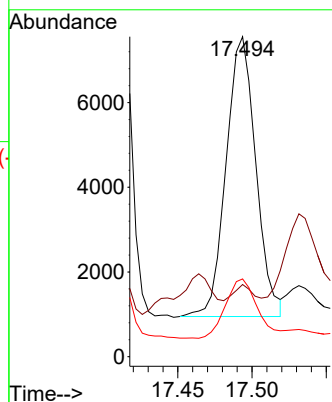
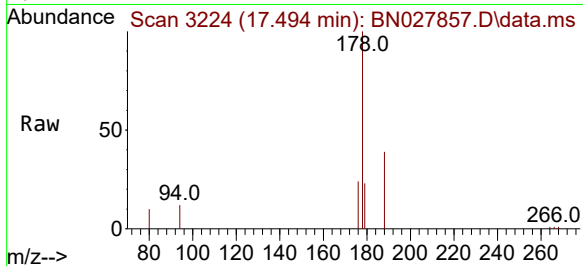




#16  
 Anthracene  
 Concen: 0.169 ng/ul  
 RT: 17.494 min Scan# 31  
 Delta R.T. 0.016 min  
 Lab File: BN027857.D  
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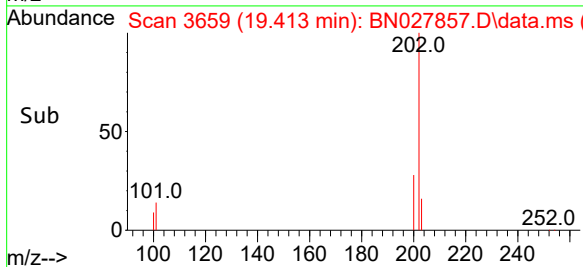
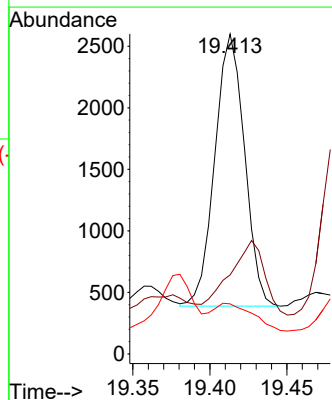
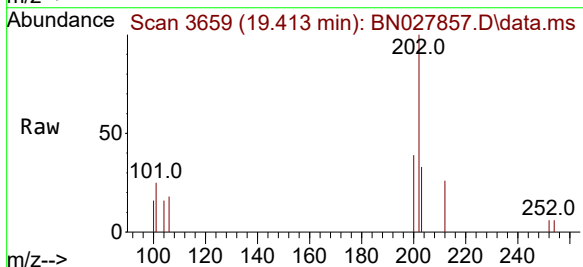
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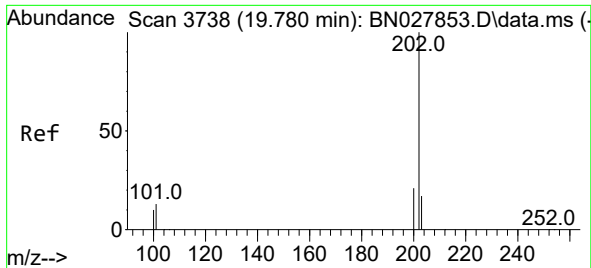
Tgt Ion:178 Resp: 9207  
 Ion Ratio Lower Upper  
 178 100  
 179 22.6 12.6 19.0#  
 176 24.3 15.5 23.3#



#19  
 Fluoranthene  
 Concen: 0.038 ng/ul  
 RT: 19.413 min Scan# 3659  
 Delta R.T. 0.018 min  
 Lab File: BN027857.D  
 Acq: 26 Sep 2023 11:53

Tgt Ion:202 Resp: 2960  
 Ion Ratio Lower Upper  
 202 100  
 101 24.7 9.3 13.9#  
 100 15.7 7.0 10.4#





#20  
 Pyrene  
 Concen: 0.128 ng/ul  
 RT: 19.780 min Scan# 31  
 Delta R.T. 0.018 min  
 Lab File: BN027857.D  
 Acq: 26 Sep 2023 11:53

Instrument :  
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Tgt Ion:202 Resp: 10361  
 Ion Ratio Lower Upper  
 202 100  
 101 16.9 11.4 17.0  
 100 12.8 9.1 13.7

