

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070124\  
 Data File : BN032378.D  
 Acq On : 02 Jul 2024 00:57  
 Operator : MA/JU  
 Sample : P2934-16DL 5X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4CQ2DL

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024  
 Supervised By :mohammad ahmed 07/04/2024

Quant Time: Jul 02 01:30:28 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN062724.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 27 13:23:38 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.612  | 152  | 8359     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.387 | 136  | 23926    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.253 | 164  | 12232    | 0.400 | ng/ul  | -0.01    |
| 13) Phenanthrene-d10        | 17.012 | 188  | 21621    | 0.400 | ng/ul  | -0.01    |
| 17) Chrysene-d12            | 21.211 | 240  | 18928    | 0.400 | ng/ul  | -0.01    |
| 23) Perylene-d12            | 23.427 | 264  | 22748    | 0.400 | ng/ul  | -0.03    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.152  | 96   | 6431     | 0.692 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.988 | 152  | 1491     | 0.042 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.045 | 212  | 2427     | 0.043 | ng/ul  | -0.01    |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.431 | 128  | 3250     | 0.051 | ng/ul# | 88       |
| 7) 2-Methylnaphthalene      | 12.059 | 142  | 1060     | 0.025 | ng/ul  | 98       |
| 10) Acenaphthylene          | 13.975 | 152  | 5505     | 0.108 | ng/ul  | 94       |
| 12) Fluorene                | 15.312 | 166  | 1301     | 0.028 | ng/ul# | 90       |
| 15) Phenanthrene            | 17.050 | 178  | 20940    | 0.353 | ng/ul  | 99       |
| 16) Anthracene              | 17.143 | 178  | 6472     | 0.122 | ng/ul# | 91       |
| 19) Fluoranthene            | 19.078 | 202  | 38689    | 0.537 | ng/ul  | 99       |
| 20) Pyrene                  | 19.440 | 202  | 37614    | 0.499 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.194 | 228  | 22236    | 0.325 | ng/ul# | 90       |
| 22) Chrysene                | 21.246 | 228  | 24278    | 0.324 | ng/ul# | 92       |
| 24) Benzo(b)fluoranthene    | 22.763 | 252  | 35807m   | 0.362 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.801 | 252  | 12445m   | 0.130 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.330 | 252  | 24551    | 0.357 | ng/ul# | 86       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.660 | 276  | 20794    | 0.193 | ng/ul# | 97       |
| 28) Dibenzo(a,h)anthracene  | 25.663 | 278  | 5295     | 0.066 | ng/ul# | 22       |
| 29) Benzo(g,h,i)perylene    | 26.347 | 276  | 21413    | 0.250 | ng/ul# | 90       |
| -----                       |        |      |          |       |        |          |

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

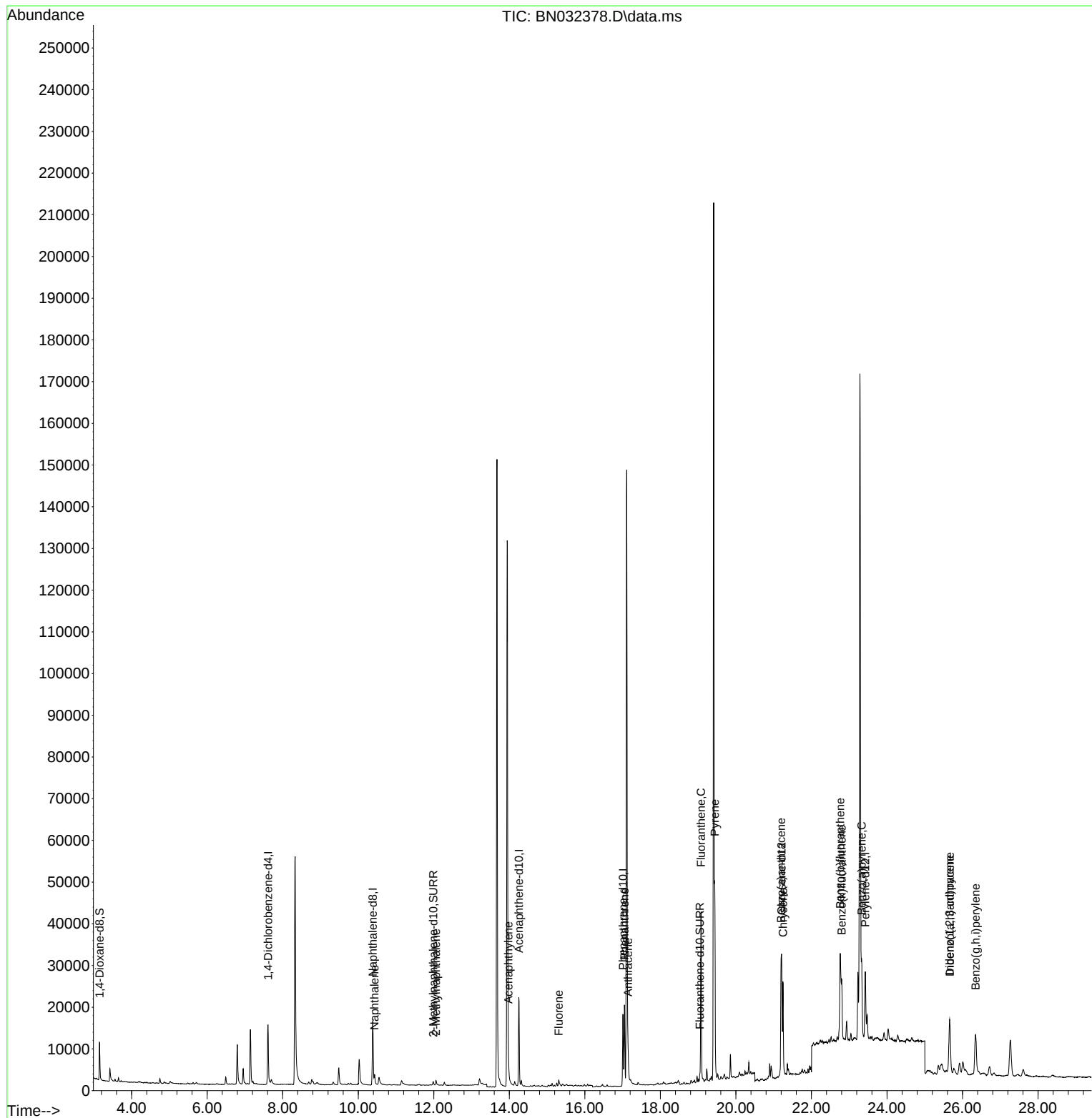
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070124\  
Data File : BN032378.D  
Acq On : 02 Jul 2024 00:57  
Operator : MA/JU  
Sample : P2934-16DL 5X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

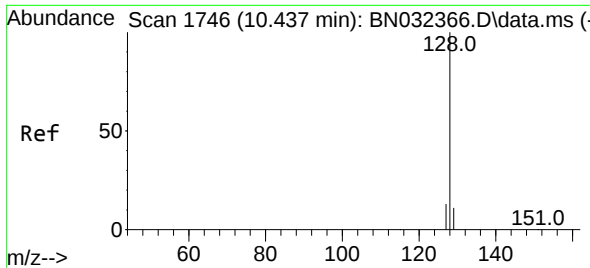
Instrument :  
BNA\_N  
ClientSampleId :  
A4CQ2DL

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024

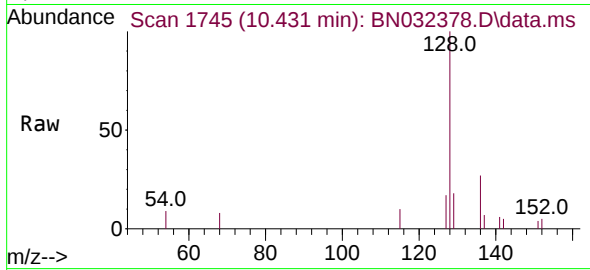
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN062724.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 27 13:23:38 2024  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.051 ng/ul  
RT: 10.431 min Scan# 1745  
Delta R.T. -0.017 min  
Lab File: BN032378.D  
Acq: 02 Jul 2024 00:57

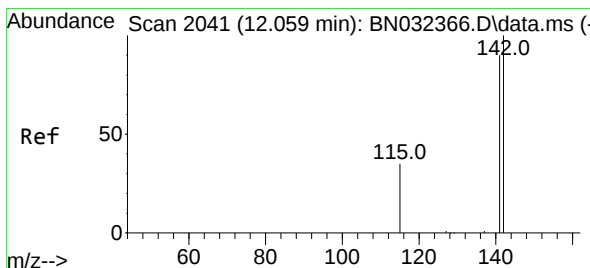
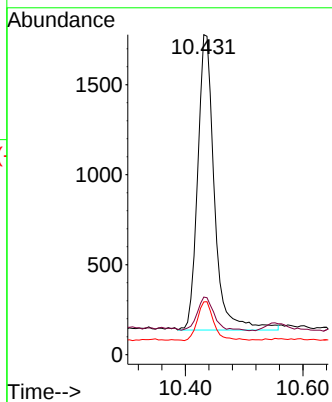
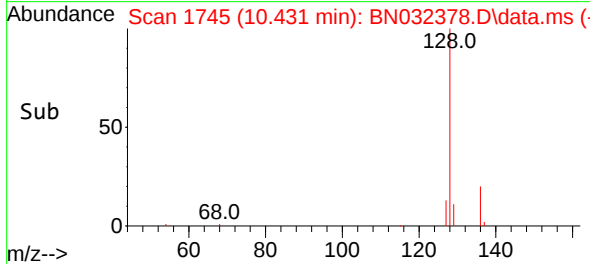
Instrument :  
BNA\_N  
ClientSampleId :  
A4CQ2DL



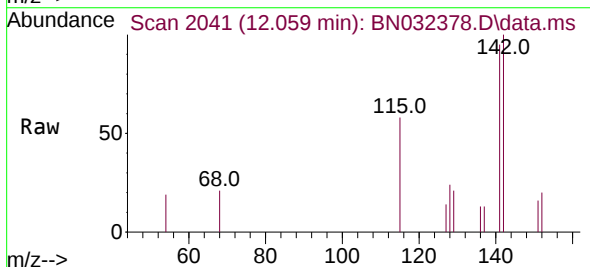
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Ion Ratio Lower Upper  
128 100  
129 18.0 9.2 13.8  
127 16.5 10.8 16.2

Manual Integrations  
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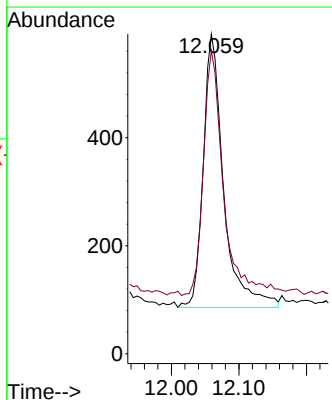
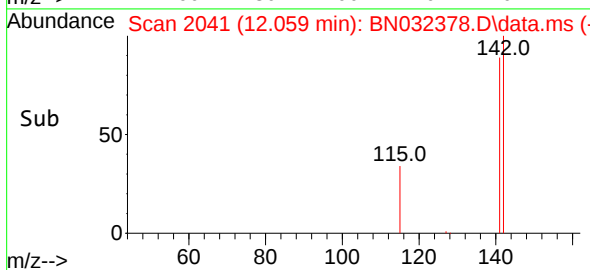
Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024

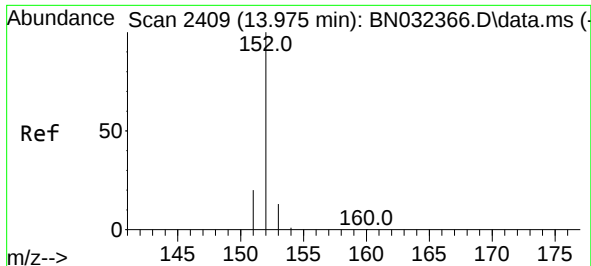


#7  
2-Methylnaphthalene  
Concen: 0.025 ng/ul  
RT: 12.059 min Scan# 2041  
Delta R.T. -0.017 min  
Lab File: BN032378.D  
Acq: 02 Jul 2024 00:57



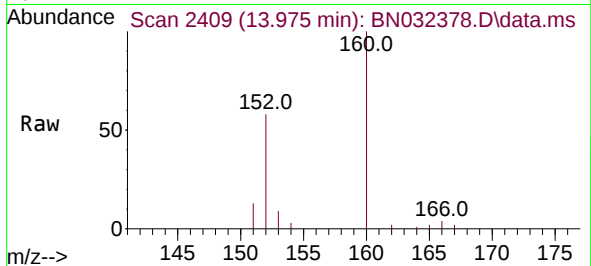
Tgt Ion:142 Resp: 1060  
Ion Ratio Lower Upper  
142 100  
141 88.3 72.2 108.2





#10  
Acenaphthylene  
Concen: 0.108 ng/ul  
RT: 13.975 min Scan# 2409  
Delta R.T. -0.014 min  
Lab File: BN032378.D  
Acq: 02 Jul 2024 00:57

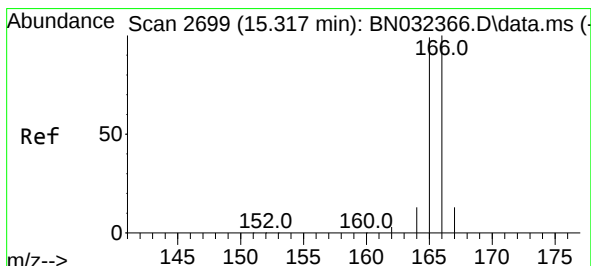
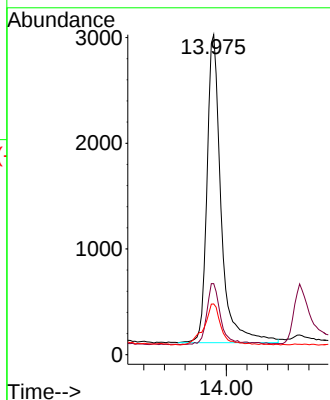
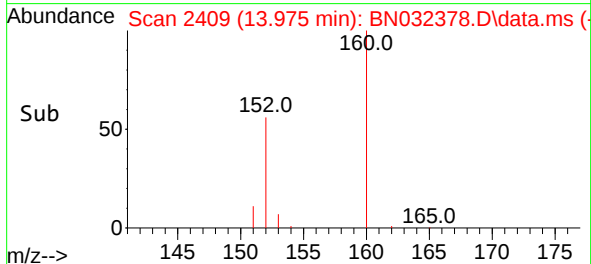
Instrument :  
BNA\_N  
ClientSampleId :  
A4CQ2DL



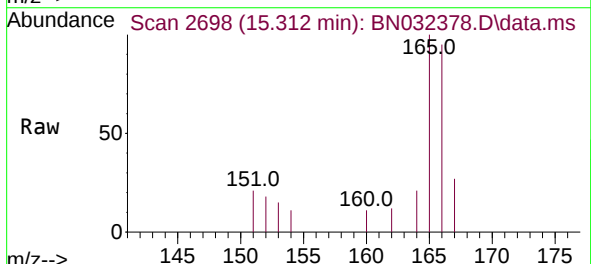
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Ion Ratio Lower Upper  
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151 22.2 15.7 23.5  
153 15.8 10.9 16.3

Manual Integrations  
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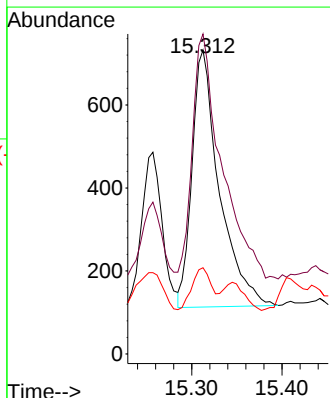
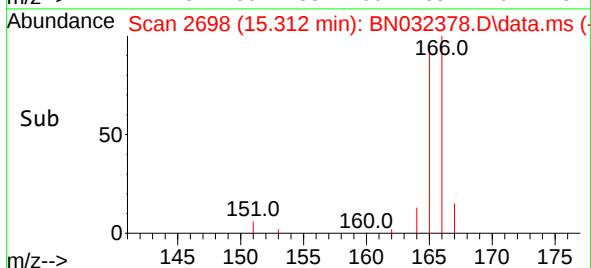
Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024

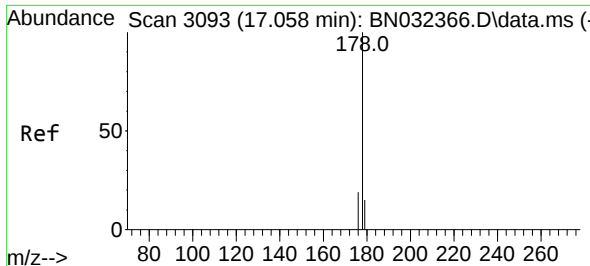


#12  
Fluorene  
Concen: 0.028 ng/ul  
RT: 15.312 min Scan# 2698  
Delta R.T. -0.014 min  
Lab File: BN032378.D  
Acq: 02 Jul 2024 00:57



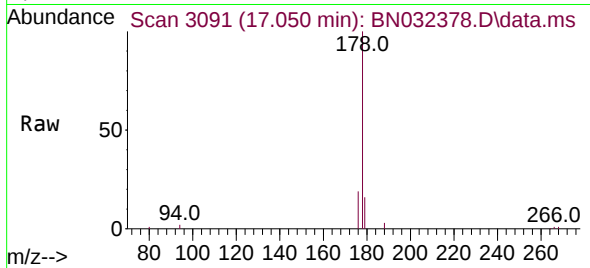
Tgt Ion:166 Resp: 1301  
Ion Ratio Lower Upper  
166 100  
165 105.3 79.0 118.6  
167 28.4 11.0 16.6#





#15  
Phenanthrene  
Concen: 0.353 ng/u1  
RT: 17.050 min Scan# 3093  
Delta R.T. -0.017 min  
Lab File: BN032378.D  
Acq: 02 Jul 2024 00:57

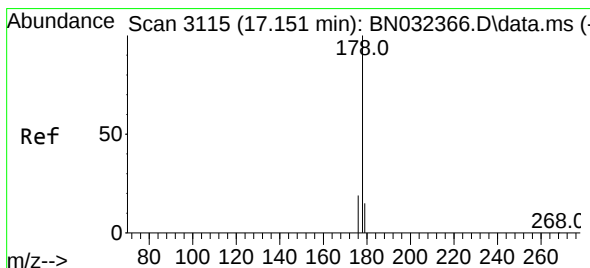
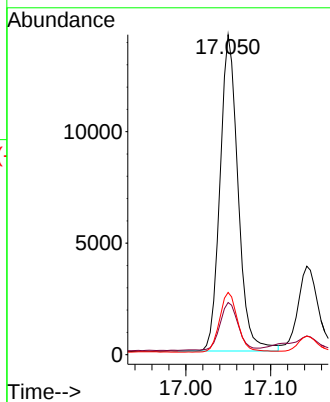
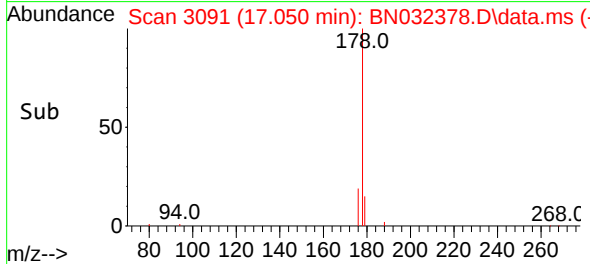
Instrument :  
BNA\_N  
ClientSampleId :  
A4CQ2DL



Tgt Ion:178 Resp: 20940  
Ion Ratio Lower Upper  
178 100  
179 16.3 12.6 18.8  
176 19.4 15.6 23.4

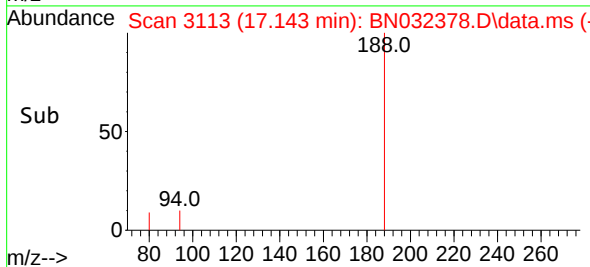
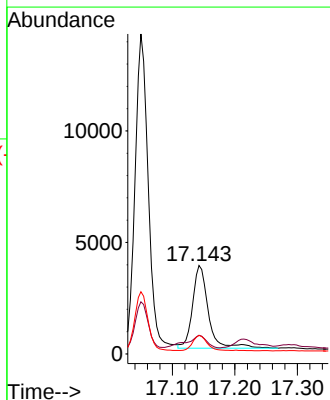
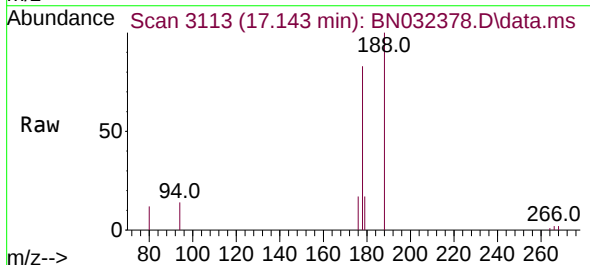
Manual Integrations  
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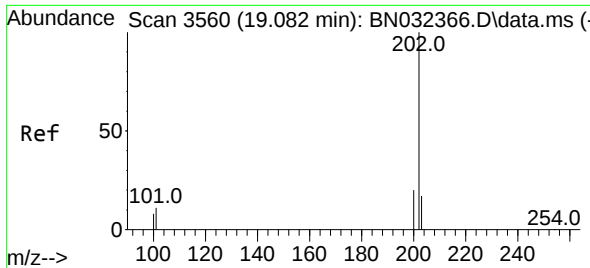
Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024



#16  
Anthracene  
Concen: 0.122 ng/u1  
RT: 17.143 min Scan# 3113  
Delta R.T. -0.017 min  
Lab File: BN032378.D  
Acq: 02 Jul 2024 00:57

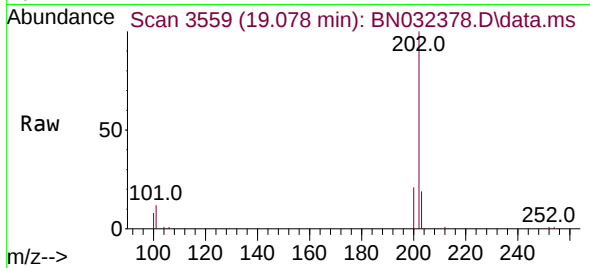
Tgt Ion:178 Resp: 6472  
Ion Ratio Lower Upper  
178 100  
179 21.1 12.5 18.7#  
176 20.9 15.0 22.6





#19  
Fluoranthene  
Concen: 0.537 ng/u1  
RT: 19.078 min Scan# 3559  
Delta R.T. -0.014 min  
Lab File: BN032378.D  
Acq: 02 Jul 2024 00:57

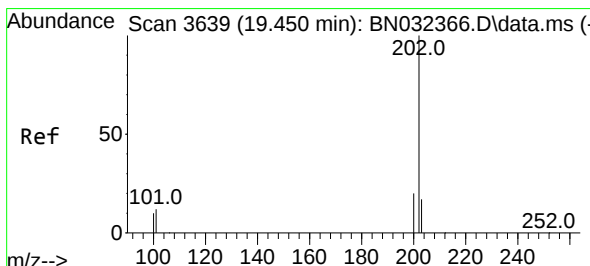
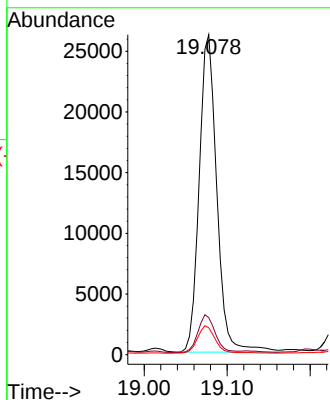
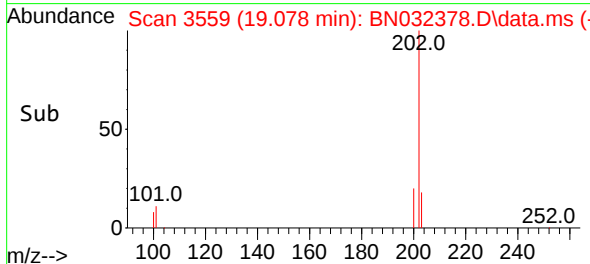
Instrument :  
BNA\_N  
ClientSampleId :  
A4CQ2DL



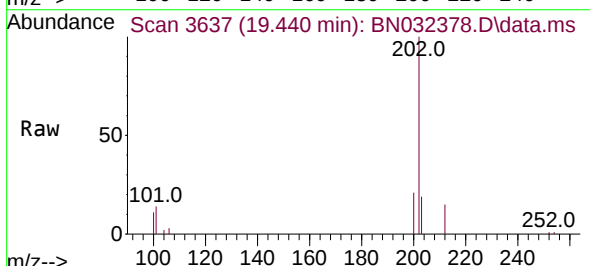
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Ion Ratio Lower Upper  
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100 8.4 6.4 9.6

Manual Integrations  
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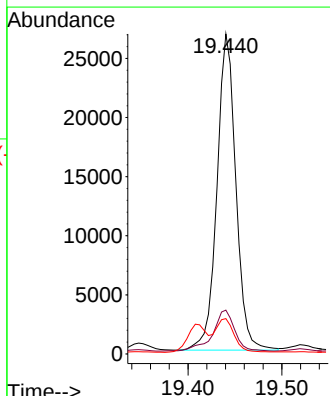
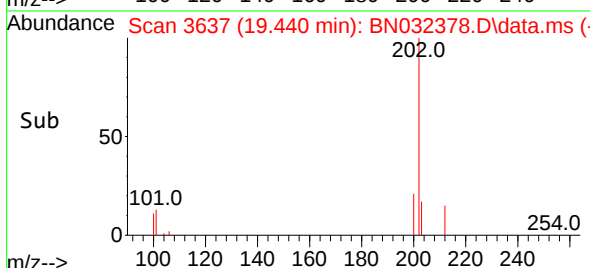
Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024

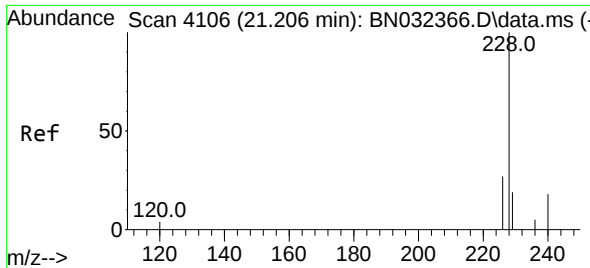


#20  
Pyrene  
Concen: 0.499 ng/u1  
RT: 19.440 min Scan# 3637  
Delta R.T. -0.014 min  
Lab File: BN032378.D  
Acq: 02 Jul 2024 00:57



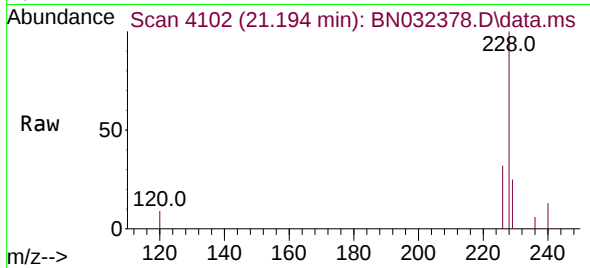
Tgt Ion:202 Resp: 37614  
Ion Ratio Lower Upper  
202 100  
101 13.7 11.0 16.4  
100 11.1 8.7 13.1





#21  
Benzo(a)anthracene  
Concen: 0.325 ng/u1  
RT: 21.194 min Scan# 4106  
Delta R.T. -0.021 min  
Lab File: BN032378.D  
Acq: 02 Jul 2024 00:57

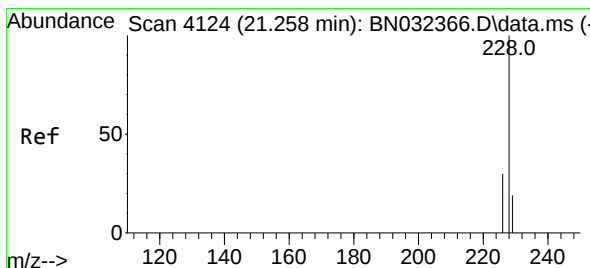
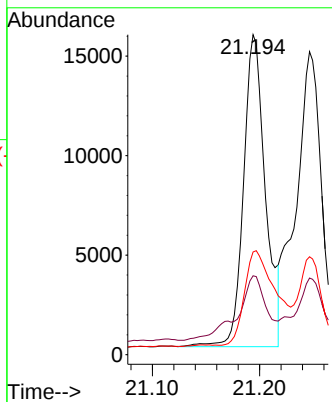
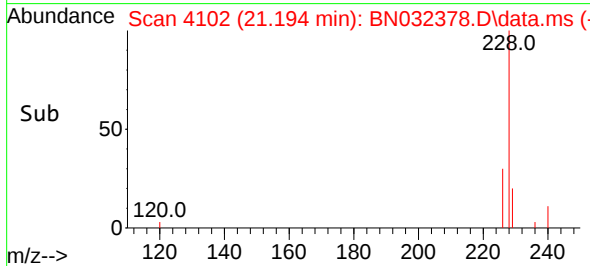
Instrument :  
BNA\_N  
ClientSampleId :  
A4CQ2DL



Tgt Ion:228 Resp: 22230  
Ion Ratio Lower Upper  
228 100  
229 24.7 15.7 23.5  
226 32.1 21.8 32.8

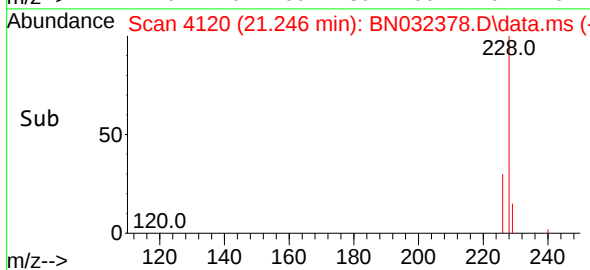
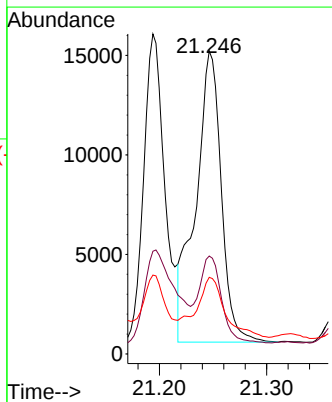
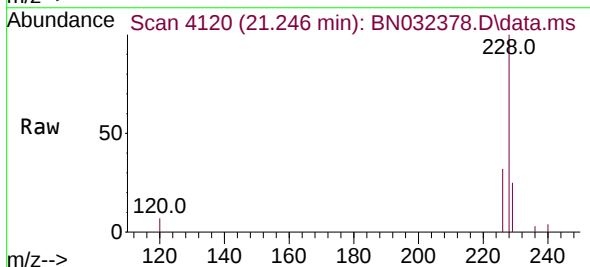
Manual Integrations  
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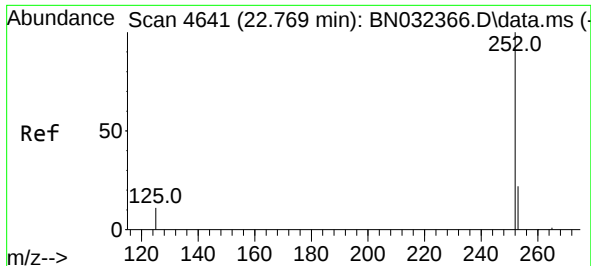
Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024



#22  
Chrysene  
Concen: 0.324 ng/u1  
RT: 21.246 min Scan# 4120  
Delta R.T. -0.021 min  
Lab File: BN032378.D  
Acq: 02 Jul 2024 00:57

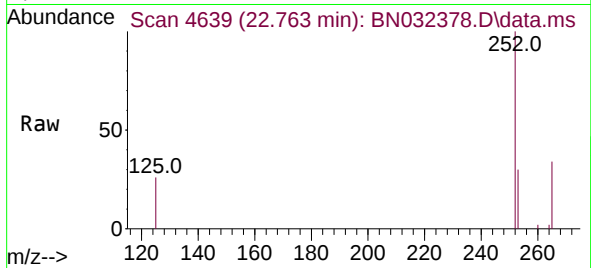
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Ion Ratio Lower Upper  
228 100  
226 32.3 23.6 35.4  
229 25.3 15.7 23.5





#24  
Benzo(b)fluoranthene  
Concen: 0.362 ng/ul m  
RT: 22.763 min Scan# 4639  
Delta R.T. -0.021 min  
Lab File: BN032378.D  
Acq: 02 Jul 2024 00:57

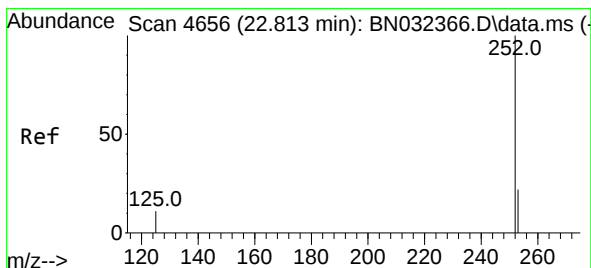
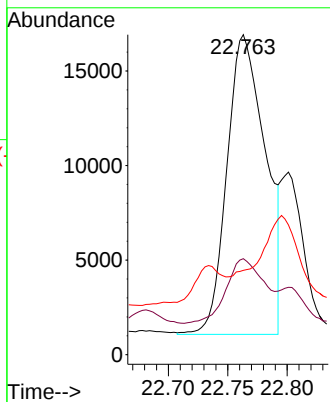
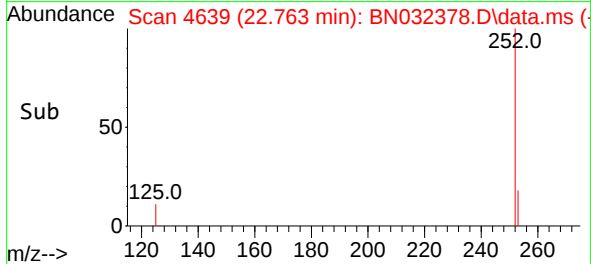
Instrument :  
BNA\_N  
ClientSampleId :  
A4CQ2DL



Tgt Ion:252 Resp: 3580  
Ion Ratio Lower Upper  
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125 26.4 0.0 32.0

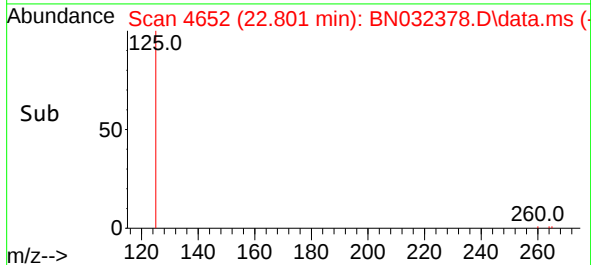
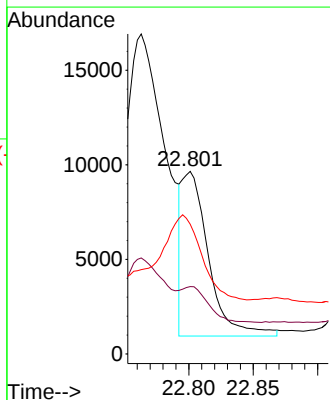
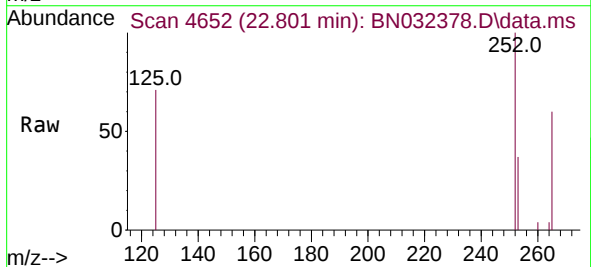
Manual Integrations  
APPROVED

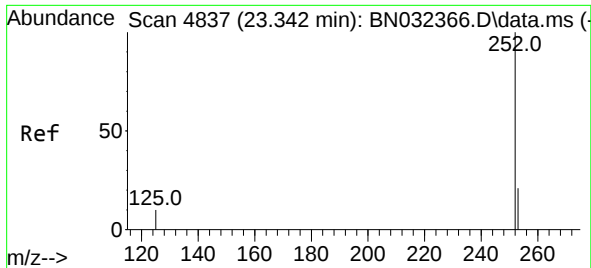
Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024



#25  
Benzo(k)fluoranthene  
Concen: 0.130 ng/ul m  
RT: 22.801 min Scan# 4652  
Delta R.T. -0.026 min  
Lab File: BN032378.D  
Acq: 02 Jul 2024 00:57

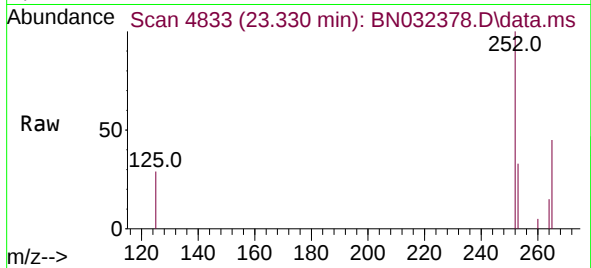
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253 36.9 20.3 30.5#  
125 71.0 12.8 19.2#





#26  
Benzo(a)pyrene  
Concen: 0.357 ng/ul  
RT: 23.330 min Scan# 4837  
Delta R.T. -0.029 min  
Lab File: BN032378.D  
Acq: 02 Jul 2024 00:57

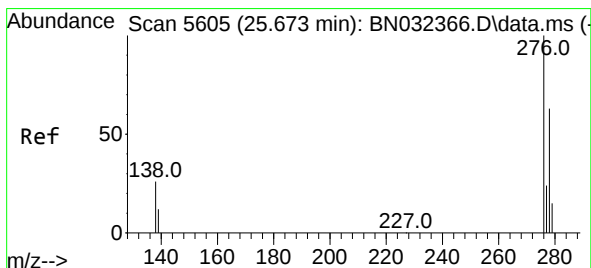
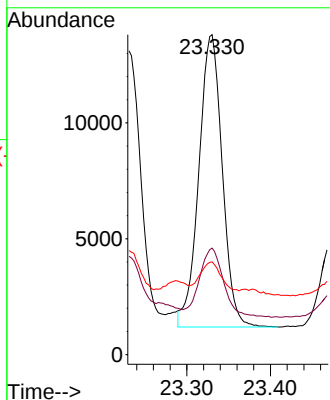
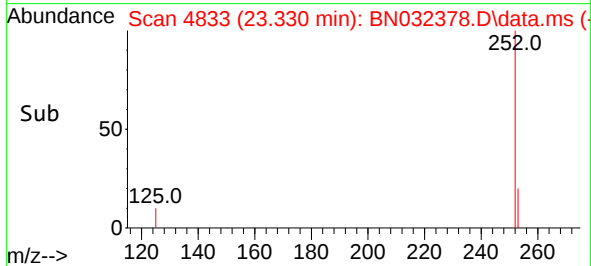
Instrument :  
BNA\_N  
ClientSampleId :  
A4CQ2DL



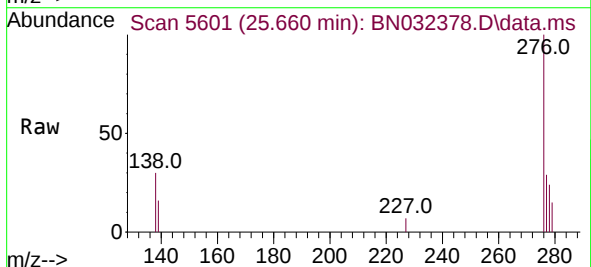
Tgt Ion:252 Resp: 2455  
Ion Ratio Lower Upper  
252 100  
253 33.3 22.2 33.2  
125 29.0 16.4 24.6

Manual Integrations  
APPROVED

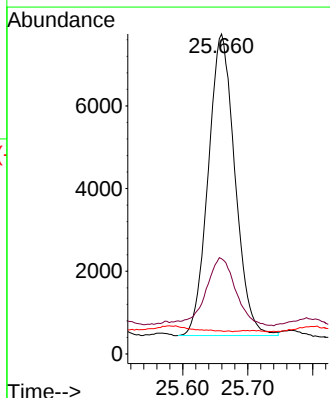
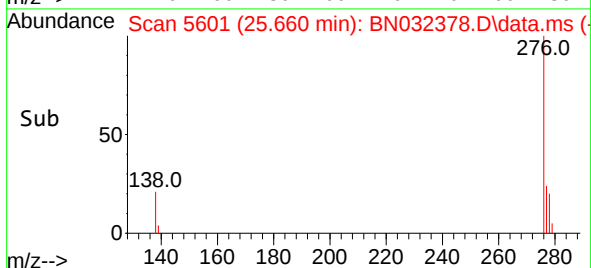
Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024

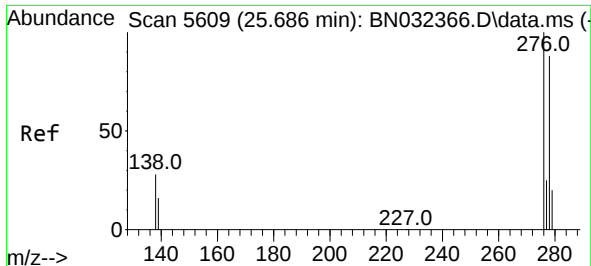


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.193 ng/ul  
RT: 25.660 min Scan# 5601  
Delta R.T. -0.040 min  
Lab File: BN032378.D  
Acq: 02 Jul 2024 00:57



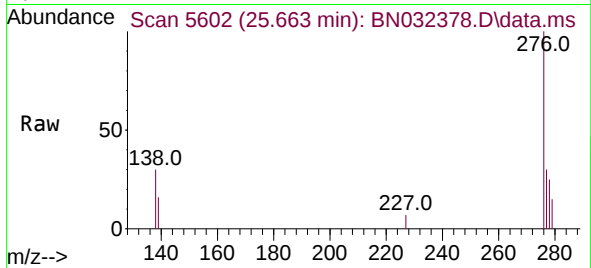
Tgt Ion:276 Resp: 20794  
Ion Ratio Lower Upper  
276 100  
138 25.2 21.3 31.9  
227 0.0 0.1 0.1





#28  
Dibenzo(a,h)anthracene  
Concen: 0.066 ng/ul  
RT: 25.663 min Scan# 5298  
Delta R.T. -0.047 min  
Lab File: BN032378.D  
Acq: 02 Jul 2024 00:57

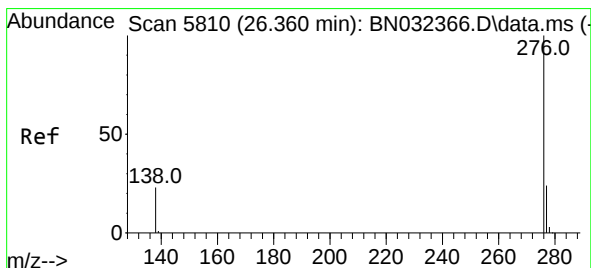
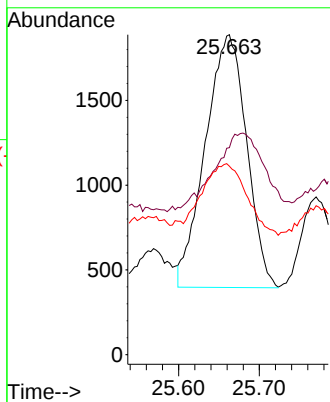
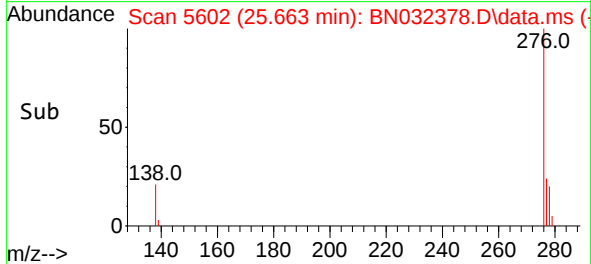
Instrument :  
BNA\_N  
ClientSampleId :  
A4CQ2DL



Tgt Ion:278 Resp: 5298  
Ion Ratio Lower Upper  
278 100  
139 64.7 15.9 23.9  
279 58.9 21.1 31.7

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 07/02/2024  
Supervised By :mohammad ahmed 07/04/2024



#29  
Benzo(g,h,i)perylene  
Concen: 0.250 ng/ul  
RT: 26.347 min Scan# 5806  
Delta R.T. -0.034 min  
Lab File: BN032378.D  
Acq: 02 Jul 2024 00:57

Tgt Ion:276 Resp: 21413  
Ion Ratio Lower Upper  
276 100  
138 30.2 19.8 29.6  
277 29.2 19.8 29.6

