

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101724\  
 Data File : BN034654.D  
 Acq On : 18 Oct 2024 17:56  
 Operator : RC/JU  
 Sample : P4380-16  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 E27J1

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
 Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 23:22:33 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN101624.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 16 15:50:29 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.663  | 152  | 327469   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.440 | 136  | 1260796  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.292 | 164  | 638555   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.039 | 188  | 1050925  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.262 | 240  | 952928   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.151 | 264  | 1156667  | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.211  | 96   | 40577    | 4.958  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.605  | 84   | 152998   | 6.403  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.834  | 99   | 312230   | 11.618 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.004  | 67   | 620305   | 37.418 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.199  | 132  | 754051   | 36.322 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.363  | 113  | 505335   | 24.128 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.810  | 128  | 383501   | 43.709 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.522  | 143  | 378219   | 54.550 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.063 | 165  | 630371   | 39.446 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.569 | 131  | 415827   | 15.168 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.716 | 166  | 1541718  | 38.164 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.986 | 160  | 2023797  | 40.332 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.492 | 143  | 84374    | 11.212 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.292 | 176  | 1328637  | 38.026 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.404 | 200  | 138037   | 39.186 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.139 | 188  | 1856702  | 41.329 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.433 | 212  | 2036375  | 41.619 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.956 | 264  | 2377553  | 44.611 | ng/u1  | -0.01    |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 8) Phenol                     | 6.863  | 94   | 41647    | 1.484  | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.104  | 108  | 33678    | 1.626  | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.428  | 108  | 111064   | 4.945  | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 9.657  | 107  | 102115m  | 5.019  | ng/u1  |          |
| 30) Naphthalene               | 10.487 | 128  | 1698630  | 26.803 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.104 | 142  | 130577   | 3.129  | ng/u1  | 91       |
| 37) 1-Methylnaphthalene       | 12.328 | 142  | 131738   | 3.101  | ng/u1  | 94       |
| 50) Acenaphthylene            | 14.016 | 152  | 137454   | 2.528  | ng/u1  | 96       |
| 52) Acenaphthene              | 14.357 | 153  | 85876    | 2.273  | ng/u1  | 94       |
| 56) Dibenzofuran              | 14.698 | 168  | 91477    | 1.822  | ng/u1  | 95       |
| 61) Fluorene                  | 15.345 | 166  | 105924   | 2.619  | ng/u1  | 94       |
| 67) N-Nitrosodiphenylamine    | 15.557 | 169  | 54869    | 1.853  | ng/u1  | 96       |
| 72) Phenanthrene              | 17.080 | 178  | 182309   | 3.476  | ng/u1  | 98       |
| 77) Carbazole                 | 17.439 | 167  | 204068   | 4.066  | ng/u1  | 99       |

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

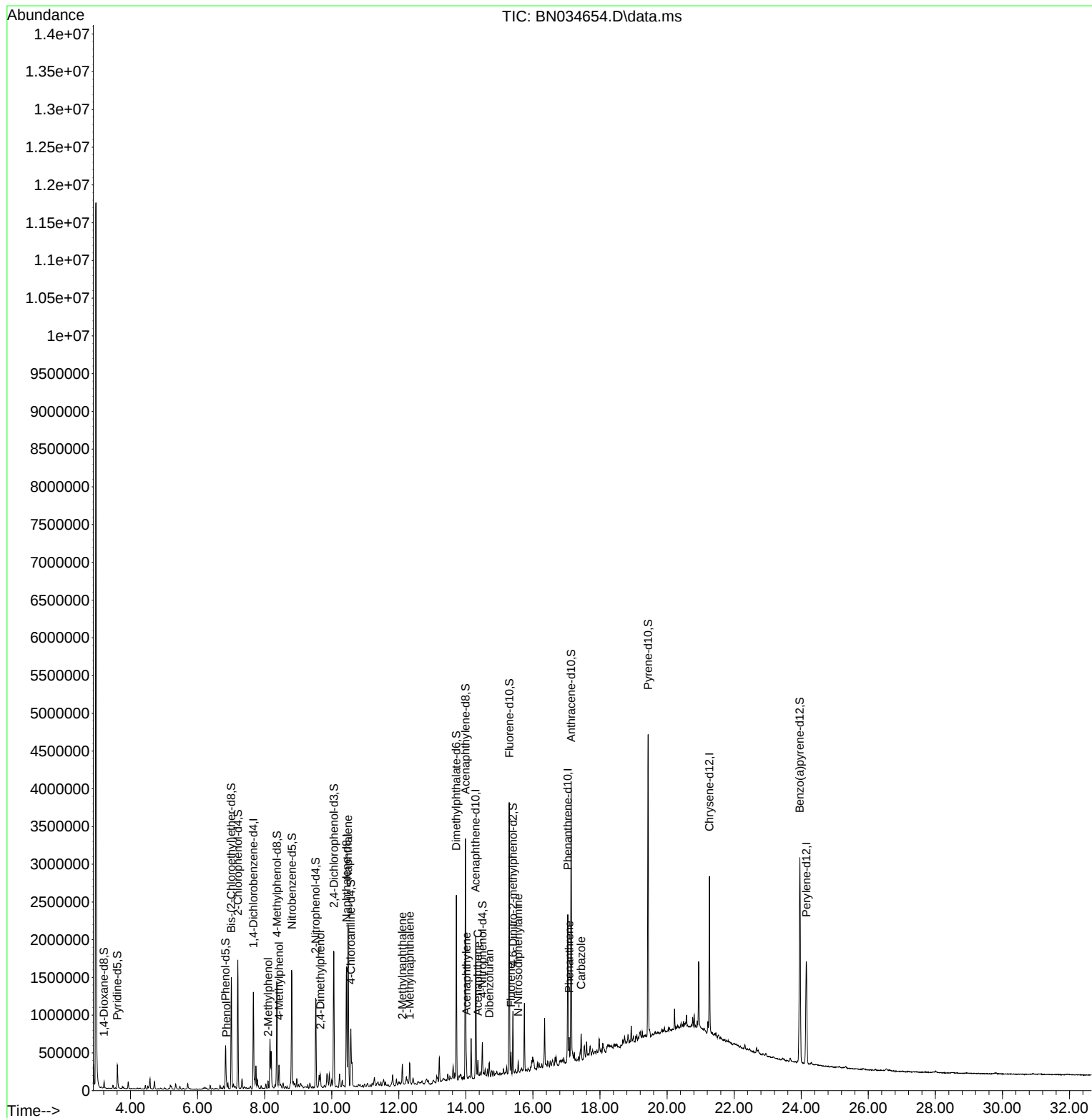
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN101724\  
Data File : BN034654.D  
Acq On : 18 Oct 2024 17:56  
Operator : RC/JU  
Sample : P4380-16  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

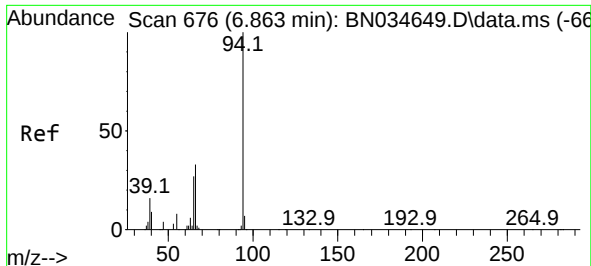
Instrument :  
BNA\_N  
ClientSampleId :  
E27J1

Quant Time: Oct 18 23:22:33 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN101624.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Oct 16 15:50:29 2024  
Response via : Initial Calibration

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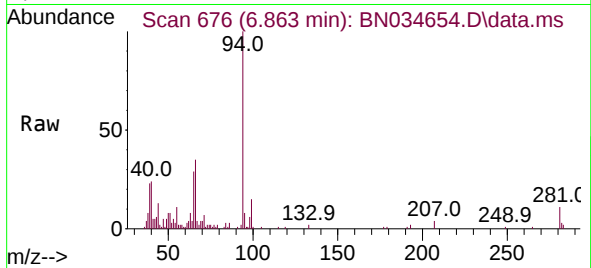
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024





#8  
Phenol  
Concen: 1.484 ng/ul  
RT: 6.863 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: BN034654.D  
Acq: 18 Oct 2024 17:56

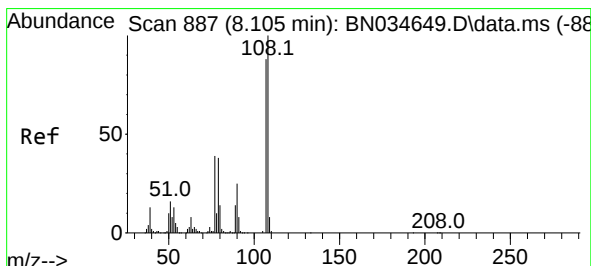
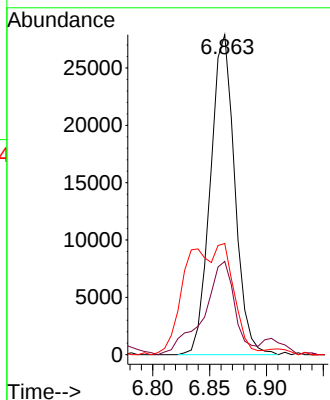
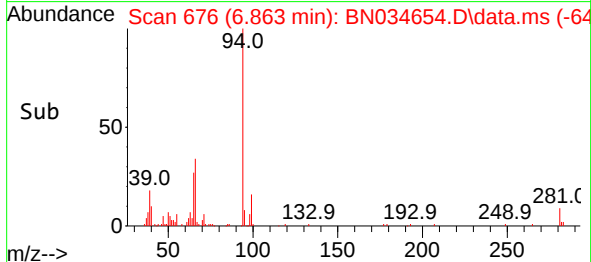
Instrument :  
BNA\_N  
ClientSampleId :  
E27J1



Tgt Ion: 94 Resp: 4164  
Ion Ratio Lower Upper  
94 100  
65 29.1 22.2 33.4  
66 34.7 27.4 41.0

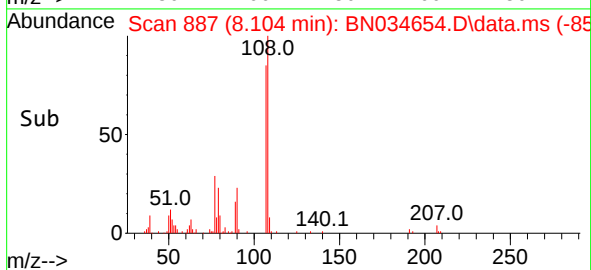
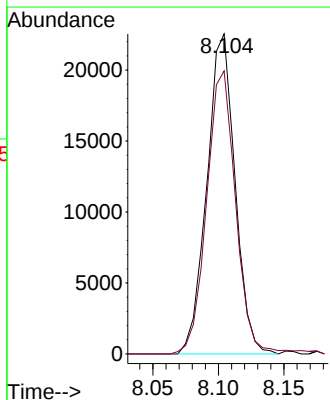
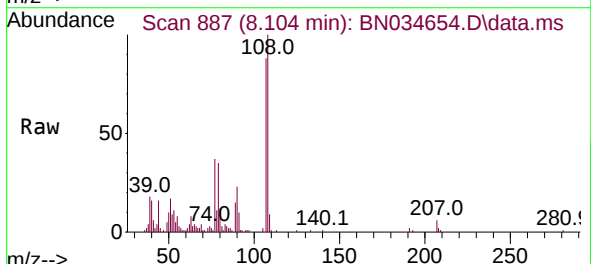
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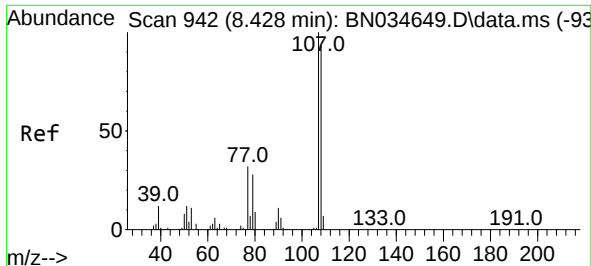
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#13  
2-Methylphenol  
Concen: 1.626 ng/ul  
RT: 8.104 min Scan# 887  
Delta R.T. 0.006 min  
Lab File: BN034654.D  
Acq: 18 Oct 2024 17:56

Tgt Ion:108 Resp: 33678  
Ion Ratio Lower Upper  
108 100  
107 88.5 70.1 105.1





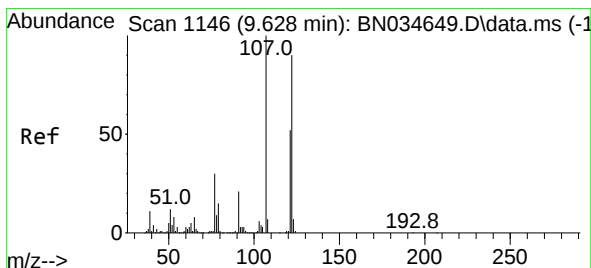
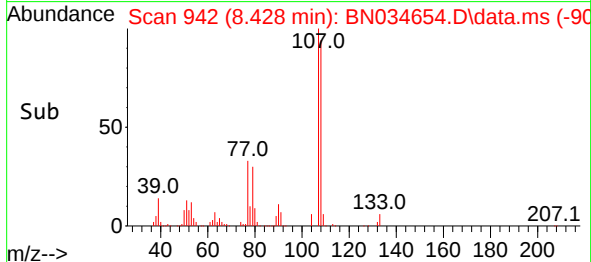
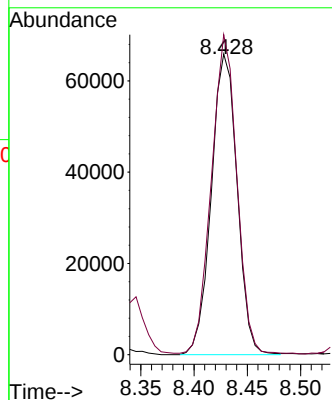
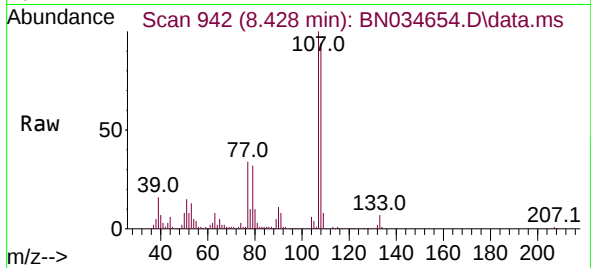
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4-Methylphenol  
Concen: 4.945 ng/ul  
RT: 8.428 min Scan# 942  
Delta R.T. 0.000 min  
Lab File: BN034654.D  
Acq: 18 Oct 2024 17:56

Instrument :  
BNA\_N  
ClientSampleId :  
E27J1

Tgt Ion:108 Resp: 111064  
Ion Ratio Lower Upper  
108 100  
107 106.4 85.8 128.6

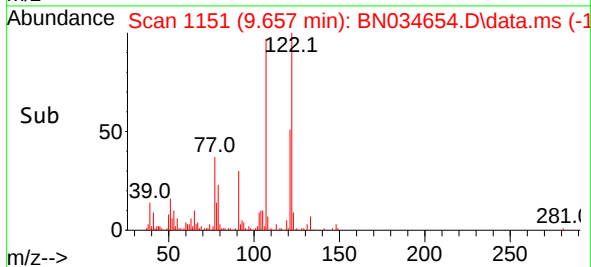
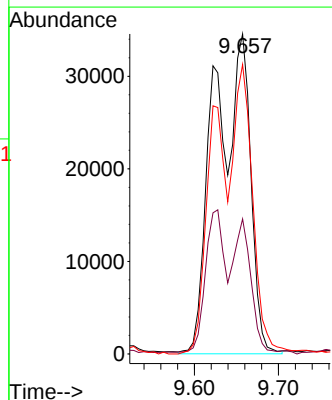
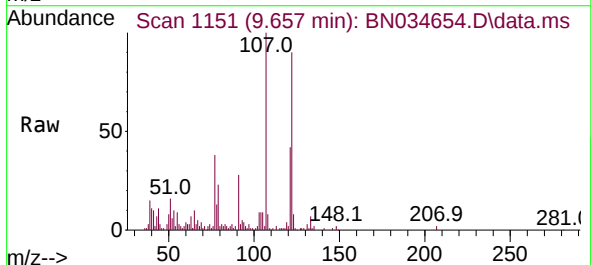
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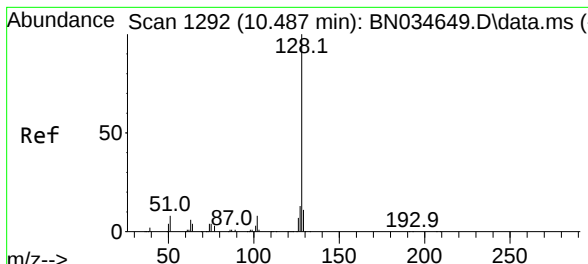
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#26  
2,4-Dimethylphenol  
Concen: 5.019 ng/ul m  
RT: 9.657 min Scan# 1151  
Delta R.T. 0.035 min  
Lab File: BN034654.D  
Acq: 18 Oct 2024 17:56

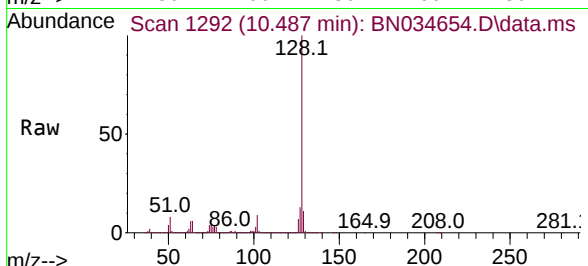
Tgt Ion:107 Resp: 102115  
Ion Ratio Lower Upper  
107 100  
121 42.2 41.8 62.6  
122 90.4 70.2 105.2





#30  
 Naphthalene  
 Concen: 26.803 ng/u1  
 RT: 10.487 min Scan# 1292  
 Delta R.T. -0.006 min  
 Lab File: BN034654.D  
 Acq: 18 Oct 2024 17:56

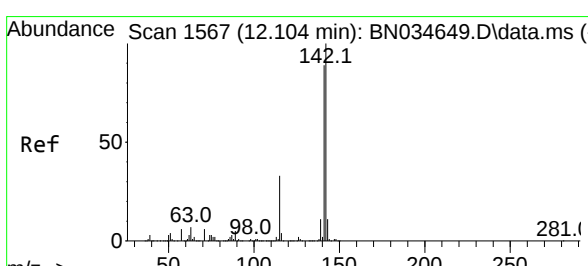
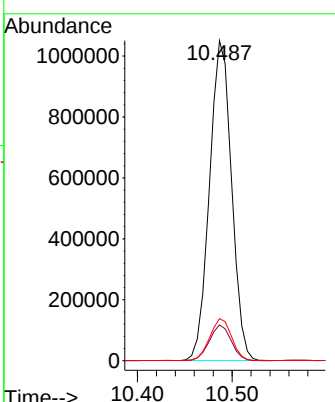
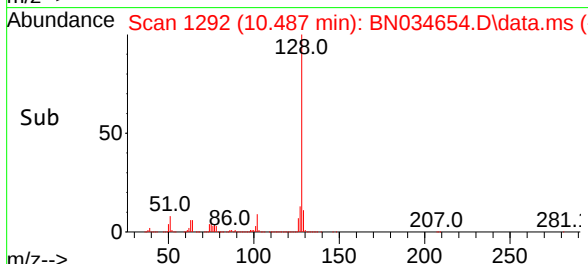
Instrument : BNA\_N  
 ClientSampleId : E27J1



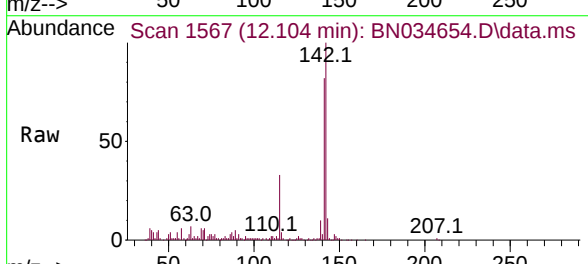
Tgt Ion:128 Resp: 1698630

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 11.2  | 8.2   | 12.4  |
| 127 | 13.2  | 10.3  | 15.5  |

Manual Integrations  
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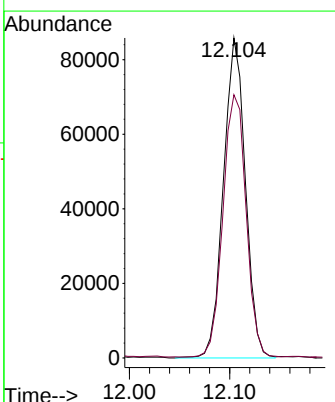
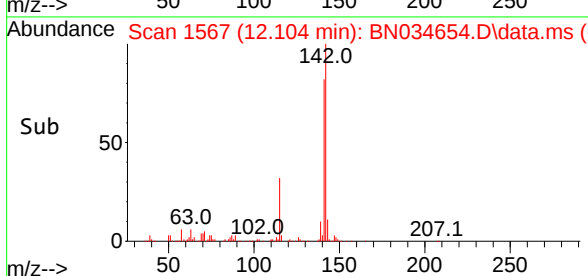


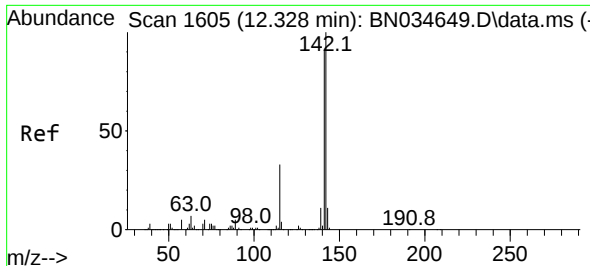
#36  
 2-Methylnaphthalene  
 Concen: 3.129 ng/u1  
 RT: 12.104 min Scan# 1567  
 Delta R.T. -0.006 min  
 Lab File: BN034654.D  
 Acq: 18 Oct 2024 17:56



Tgt Ion:142 Resp: 130577

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 82.3  | 72.3  | 108.5 |





#37

1-Methylnaphthalene

Concen: 3.101 ng/ul

RT: 12.328 min Scan# 1605

Delta R.T. 0.000 min

Lab File: BN034654.D

Acq: 18 Oct 2024 17:56

Instrument :

BNA\_N

ClientSampleId :

E27J1

Tgt Ion:142 Resp: 131738

Ion Ratio Lower Upper

142 100

141 88.3 75.4 113.0

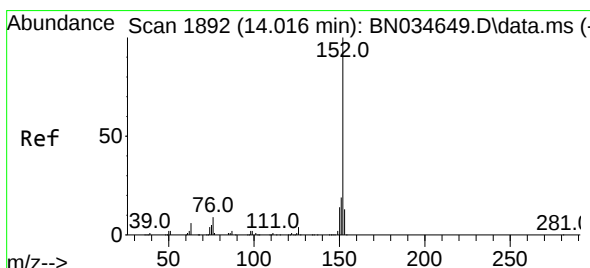
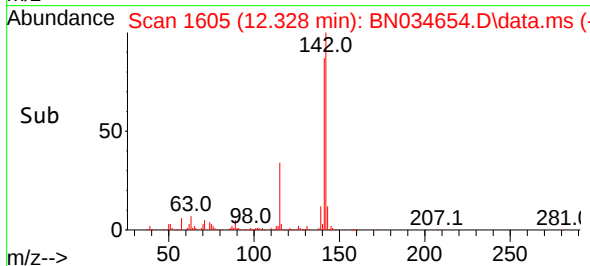
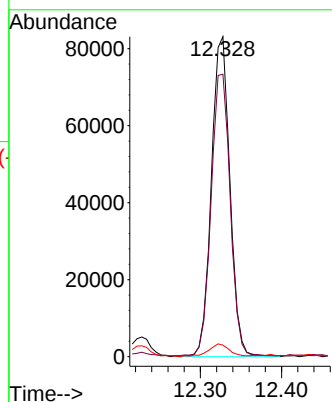
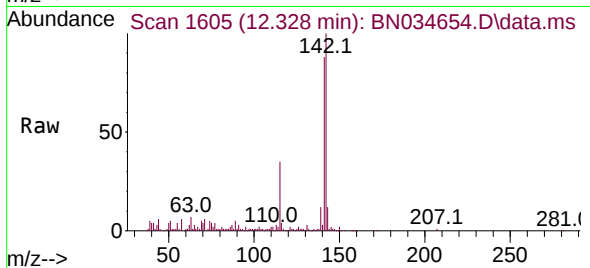
116 3.6 2.8 4.2

Manual Integrations

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Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#50

Acenaphthylene

Concen: 2.528 ng/ul

RT: 14.016 min Scan# 1892

Delta R.T. 0.000 min

Lab File: BN034654.D

Acq: 18 Oct 2024 17:56

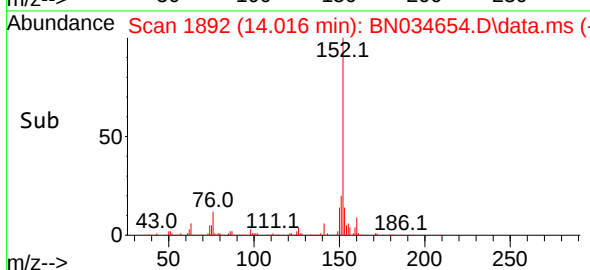
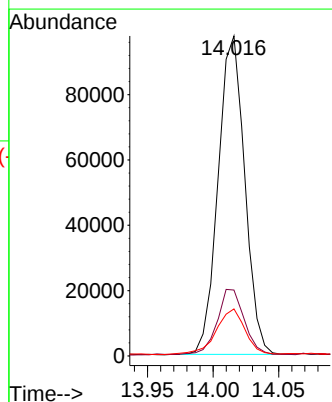
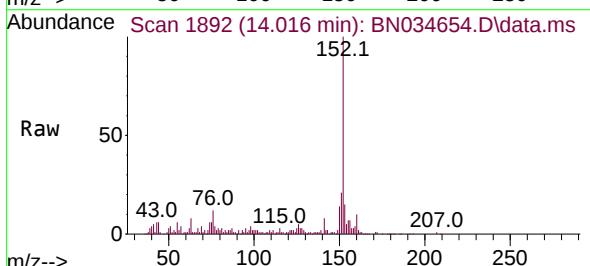
Tgt Ion:152 Resp: 137454

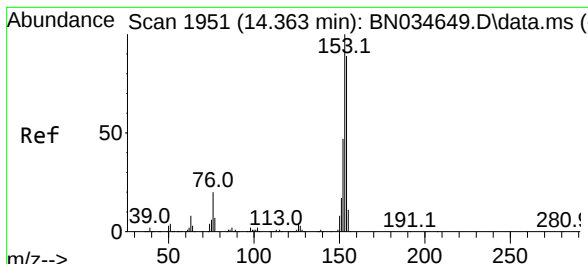
Ion Ratio Lower Upper

152 100

151 20.6 15.3 22.9

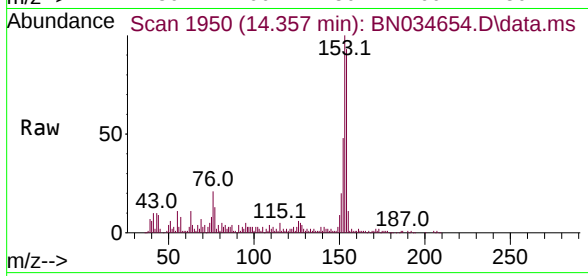
153 14.7 9.9 14.9





#52  
Acenaphthene  
Concen: 2.273 ng/ul  
RT: 14.357 min Scan# 1951  
Delta R.T. -0.006 min  
Lab File: BN034654.D  
Acq: 18 Oct 2024 17:56

Instrument : BNA\_N  
ClientSampleId : E27J1

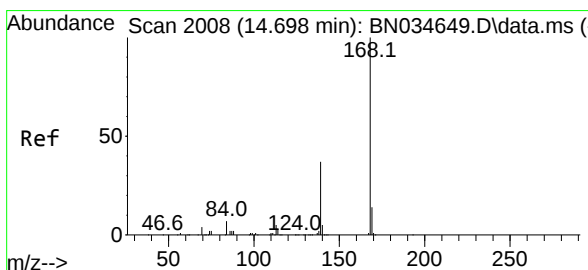
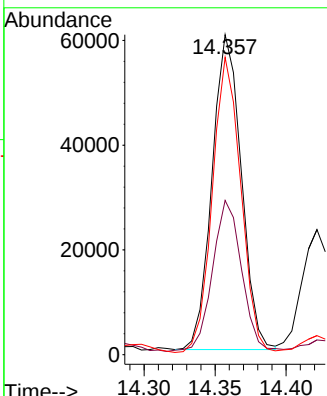
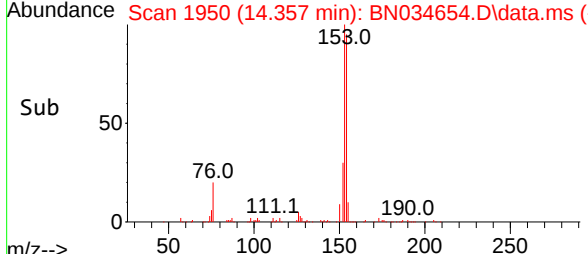


Tgt Ion:153 Resp: 85870

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 153 | 100   |       |       |
| 152 | 48.2  | 36.5  | 54.7  |
| 154 | 92.9  | 69.3  | 103.9 |

Manual Integrations  
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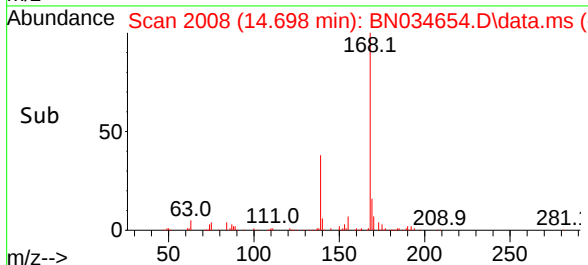
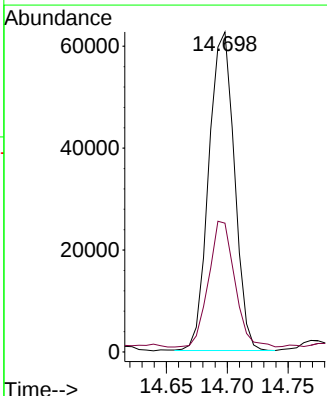
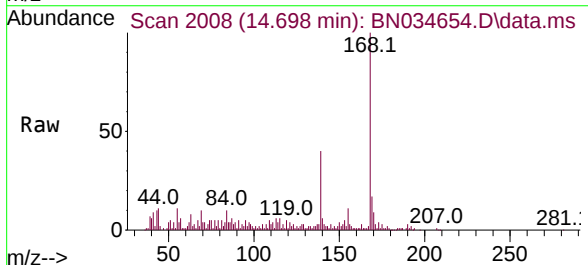
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

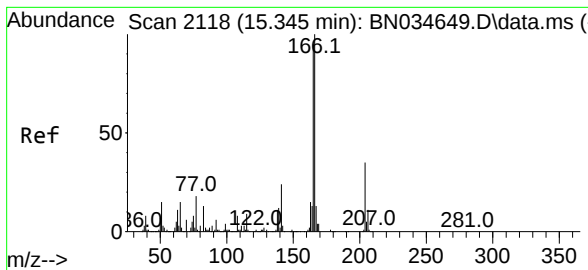


#56  
Dibenzofuran  
Concen: 1.822 ng/ul  
RT: 14.698 min Scan# 2008  
Delta R.T. 0.000 min  
Lab File: BN034654.D  
Acq: 18 Oct 2024 17:56

Tgt Ion:168 Resp: 91477

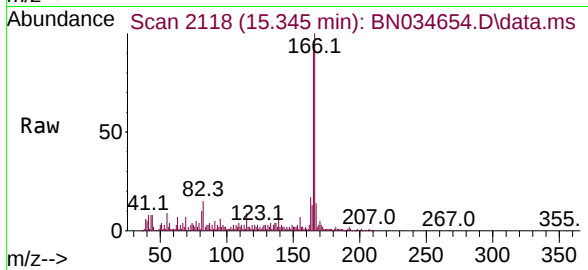
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 168 | 100   |       |       |
| 139 | 40.2  | 29.7  | 44.5  |





#61  
Fluorene  
Concen: 2.619 ng/ul  
RT: 15.345 min Scan# 2118  
Delta R.T. -0.006 min  
Lab File: BN034654.D  
Acq: 18 Oct 2024 17:56

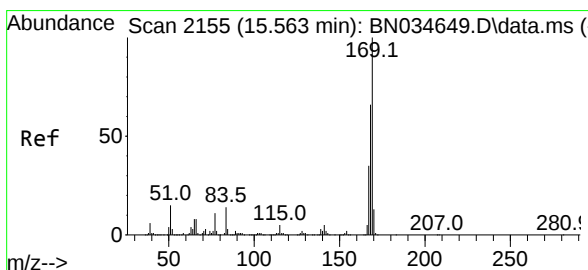
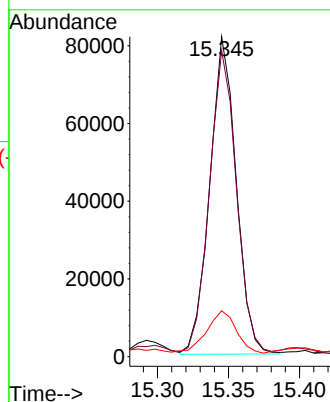
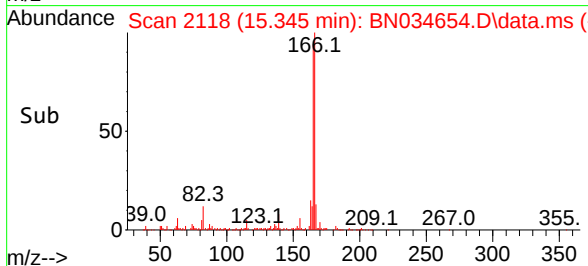
Instrument :  
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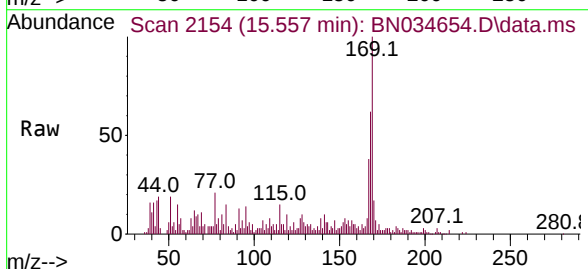
Tgt Ion:166 Resp: 105924  
Ion Ratio Lower Upper  
166 100  
165 95.7 82.2 123.4  
167 14.4 11.4 17.0

Manual Integrations  
APPROVED

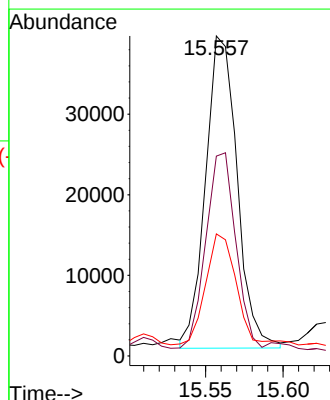
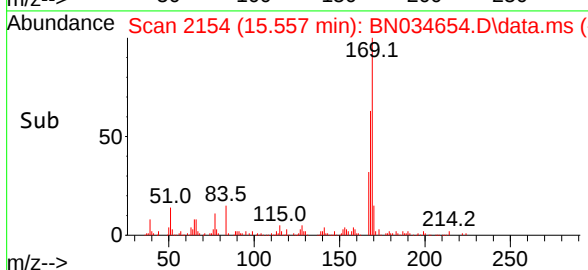
Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024

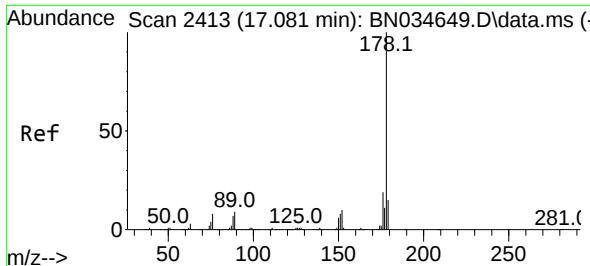


#67  
N-Nitrosodiphenylamine  
Concen: 1.853 ng/ul  
RT: 15.557 min Scan# 2154  
Delta R.T. -0.006 min  
Lab File: BN034654.D  
Acq: 18 Oct 2024 17:56



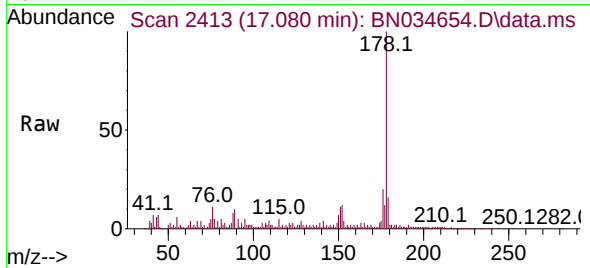
Tgt Ion:169 Resp: 54869  
Ion Ratio Lower Upper  
169 100  
168 62.4 52.4 78.6  
167 38.2 28.3 42.5





#72  
Phenanthrene  
Concen: 3.476 ng/ul  
RT: 17.080 min Scan# 2413  
Delta R.T. -0.006 min  
Lab File: BN034654.D  
Acq: 18 Oct 2024 17:56

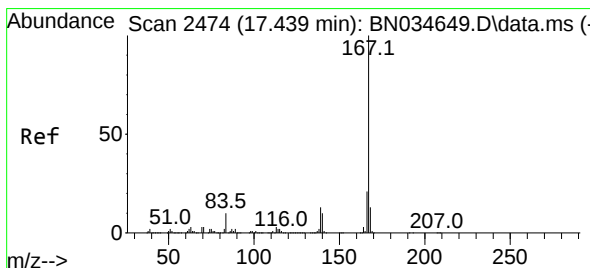
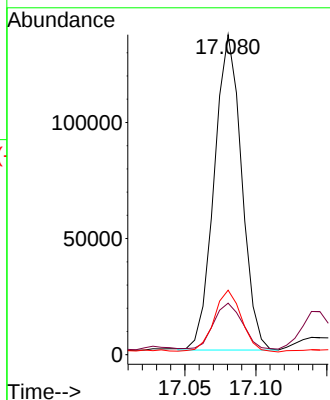
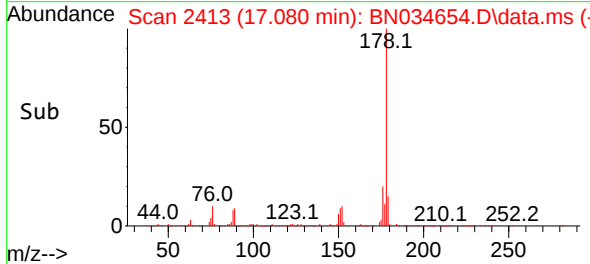
Instrument :  
BNA\_N  
ClientSampleId :  
E27J1



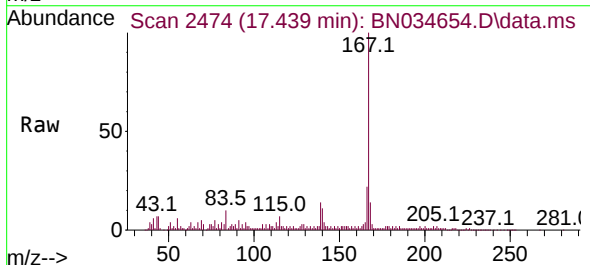
Tgt Ion:178 Resp: 182309  
Ion Ratio Lower Upper  
178 100  
179 16.1 12.2 18.4  
176 20.2 15.5 23.3

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/21/2024  
Supervised By :mohammad ahmed 10/21/2024



#77  
Carbazole  
Concen: 4.066 ng/ul  
RT: 17.439 min Scan# 2474  
Delta R.T. 0.000 min  
Lab File: BN034654.D  
Acq: 18 Oct 2024 17:56



Tgt Ion:167 Resp: 204068  
Ion Ratio Lower Upper  
167 100  
166 21.6 17.2 25.8  
139 14.4 10.6 16.0

