

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120125\  
 Data File : BN038235.D  
 Acq On : 01 Dec 2025 20:53  
 Operator : RC/JU  
 Sample : Q3618-02MSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 50

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EME-GENERAL-FILLMSD

Quant Time: Dec 02 01:18:45 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 28 21:04:10 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025  
 Supervised By :mohammad ahmed 12/03/2025

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.760  | 152  | 411698   | 20.000 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.562 | 136  | 1239074  | 20.000 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.430 | 164  | 634558   | 20.000 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.173 | 188  | 924185   | 20.000 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.366 | 240  | 590927   | 20.000 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.671 | 264  | 671792   | 20.000 | ng    | # 0.00   |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) 2-Fluorophenol             | 5.341  | 112  | 7235     | 0.376  | ng    | 0.00     |
| 5) Phenol-d6                  | 6.930  | 99   | 8920     | 0.371  | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.918  | 82   | 7229     | 0.365  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.162 | 152  | 12636    | 0.359  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.920 | 330  | 1378     | 0.345  | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.040 | 172  | 19101    | 0.390  | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.211 | 212  | 13363    | 0.333  | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.815 | 244  | 10068    | 0.369  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.254  | 88   | 3252     | 0.375  | ng    | # 67     |
| 3) n-Nitrosodimethylamine     | 3.557  | 42   | 4421     | 0.413  | ng    | # 96     |
| 6) bis(2-Chloroethyl)ether    | 7.183  | 93   | 9558     | 0.415  | ng    | 98       |
| 9) Naphthalene                | 10.616 | 128  | 26874    | 0.391  | ng    | 100      |
| 10) Hexachlorobutadiene       | 10.914 | 225  | 4642     | 0.397  | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 12.238 | 142  | 15342    | 0.339  | ng    | 100      |
| 16) Acenaphthylene            | 14.142 | 152  | 21360    | 0.376  | ng    | 99       |
| 17) Acenaphthene              | 14.484 | 154  | 14672    | 0.371  | ng    | 98       |
| 18) Fluorene                  | 15.478 | 166  | 17594    | 0.344  | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 15.560 | 198  | 876      | 9.063  | ng    | # 29     |
| 21) 4-Bromophenyl-phenylether | 16.366 | 248  | 4999     | 0.390  | ng    | # 79     |
| 22) Hexachlorobenzene         | 16.491 | 284  | 5719     | 0.363  | ng    | 98       |
| 23) Atrazine                  | 16.640 | 200  | 3128     | 0.382  | ng    | # 93     |
| 24) Pentachlorophenol         | 16.838 | 266  | 2420     | 0.561  | ng    | 98       |
| 25) Phenanthrene              | 17.223 | 178  | 23765m   | 0.410  | ng    |          |
| 26) Anthracene                | 17.310 | 178  | 18592    | 0.376  | ng    | 99       |
| 28) Fluoranthene              | 19.243 | 202  | 20607    | 0.368  | ng    | 99       |
| 30) Pyrene                    | 19.606 | 202  | 21180    | 0.359  | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.348 | 228  | 19971    | 0.499  | ng    | 100      |
| 33) Chrysene                  | 21.402 | 228  | 18621    | 0.394  | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.286 | 149  | 11432    | 0.522  | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.016 | 276  | 26034    | 0.419  | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 22.972 | 252  | 20132    | 0.365  | ng    | 98       |
| 38) Benzo(k)fluoranthene      | 23.019 | 252  | 20327    | 0.355  | ng    | 97       |
| 39) Benzo(a)pyrene            | 23.566 | 252  | 17697    | 0.383  | ng    | 95       |
| 40) Dibenzo(a,h)anthracene    | 26.034 | 278  | 19902    | 0.423  | ng    | 97       |
| 41) Benzo(g,h,i)perylene      | 26.732 | 276  | 21732    | 0.386  | ng    | 99       |
| -----                         |        |      |          |        |       |          |

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

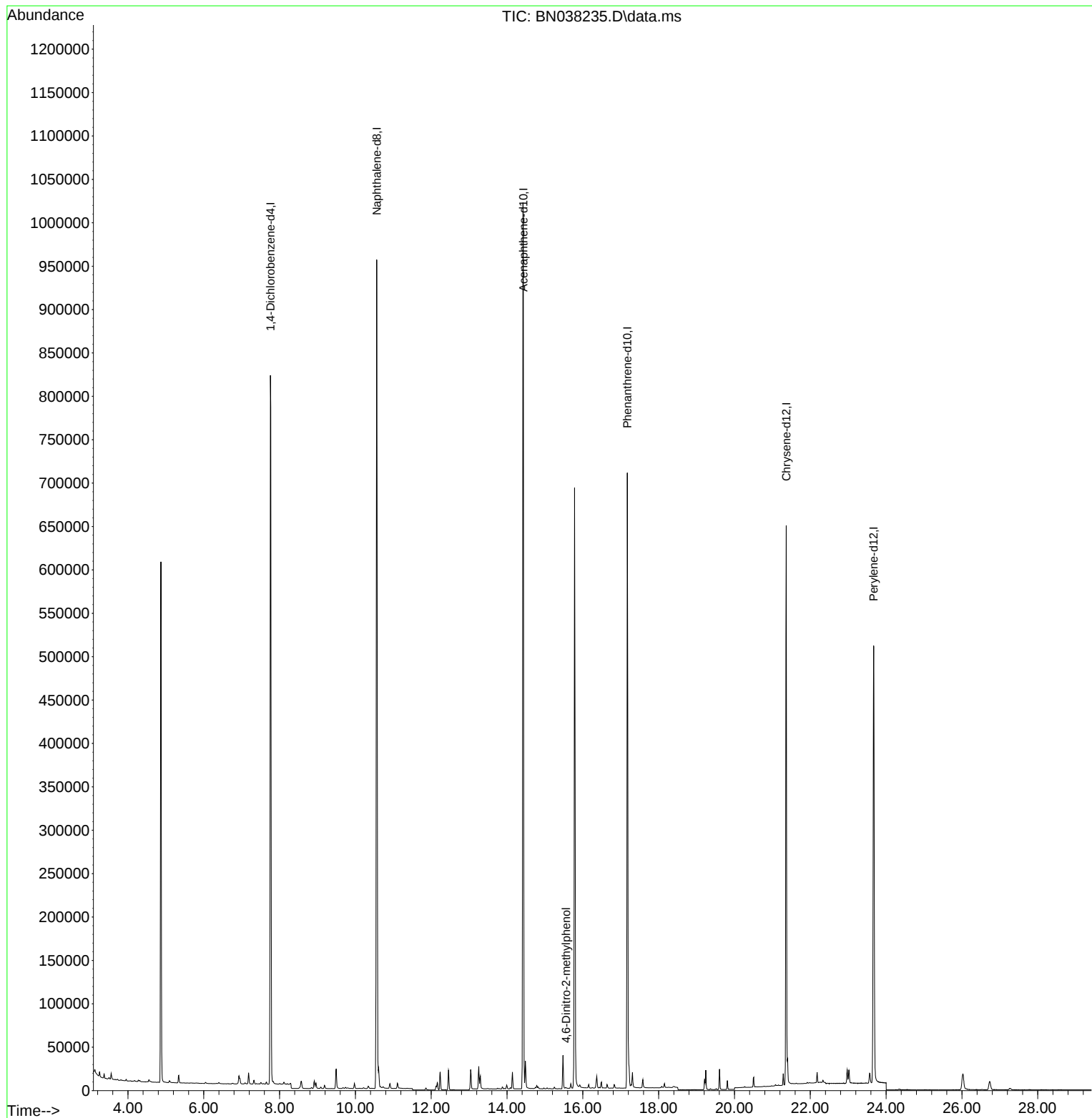
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN120125\  
Data File : BN038235.D  
Acq On : 01 Dec 2025 20:53  
Operator : RC/JU  
Sample : Q3618-02MSD  
Misc :  
ALS Vial : 7 Sample Multiplier: 50

Instrument :  
BNA\_N  
ClientSampleId :  
EME-GENERAL-FILLMSD

Quant Time: Dec 02 01:18:45 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN112725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 28 21:04:10 2025  
Response via : Initial Calibration

Manual Integrations  
APPROVED

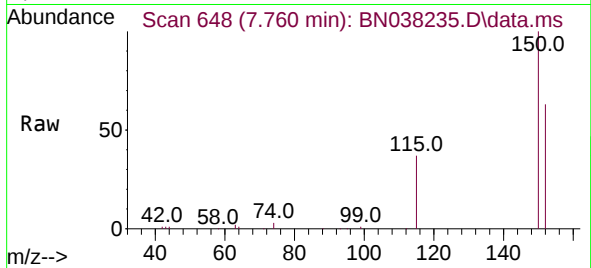
Reviewed By :Jagrut Upadhyay 12/02/2025  
Supervised By :mohammad ahmed 12/03/2025





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.760 min Scan# 649  
Delta R.T. -0.008 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53

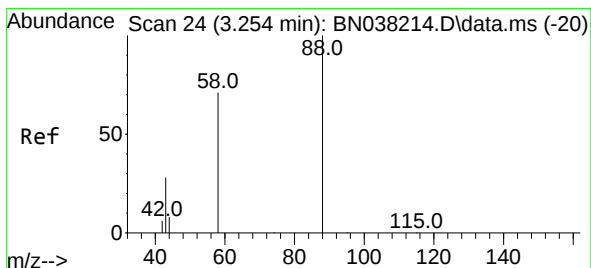
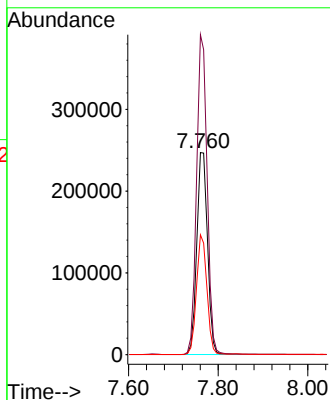
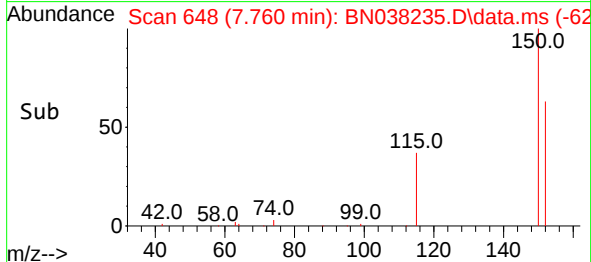
Instrument :  
BNA\_N  
ClientSampleId :  
EME-GENERAL-FILLMSD



Tgt Ion:152 Resp: 411698  
Ion Ratio Lower Upper  
152 100  
150 158.4 125.3 187.9  
115 59.3 49.0 73.4

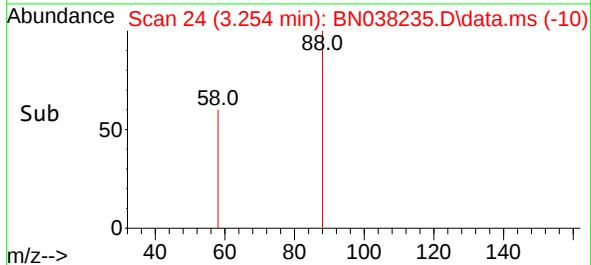
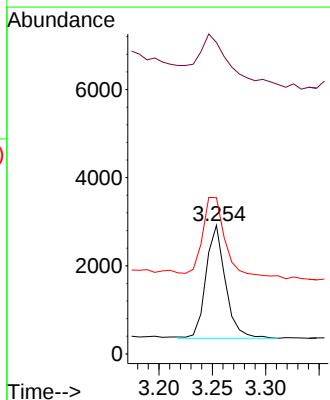
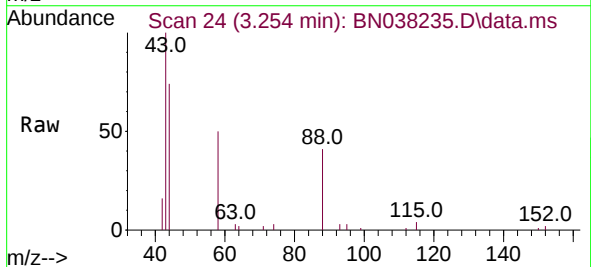
Manual Integrations  
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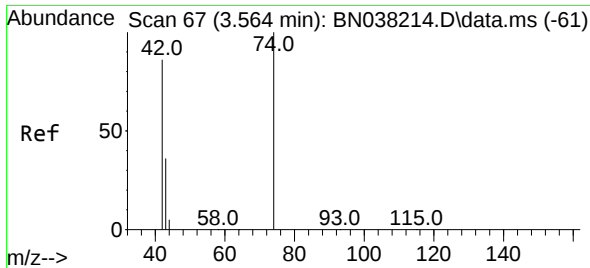
Reviewed By :Jagrut Upadhyay 12/02/2025  
Supervised By :mohammad ahmed 12/03/2025



#2  
1,4-Dioxane  
Concen: 0.375 ng  
RT: 3.254 min Scan# 24  
Delta R.T. 0.000 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53

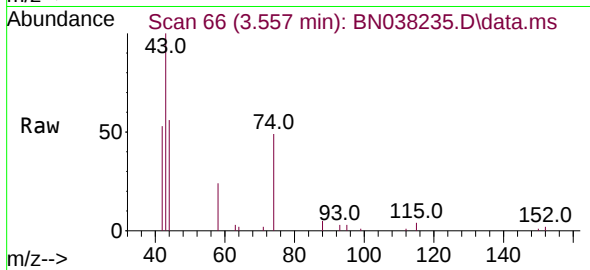
Tgt Ion: 88 Resp: 3252  
Ion Ratio Lower Upper  
88 100  
43 76.2 24.8 37.2#  
58 87.9 61.1 91.7





#3  
n-Nitrosodimethylamine  
Concen: 0.413 ng  
RT: 3.557 min Scan# 60  
Delta R.T. -0.007 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53

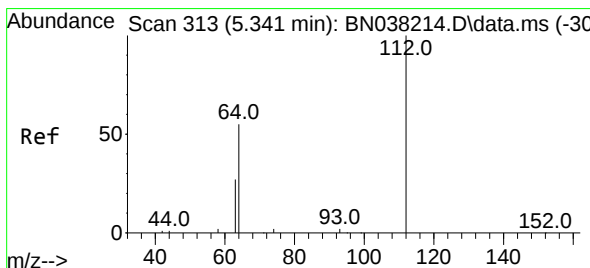
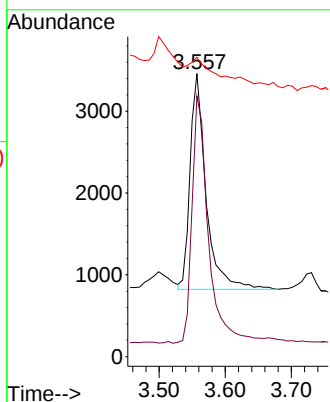
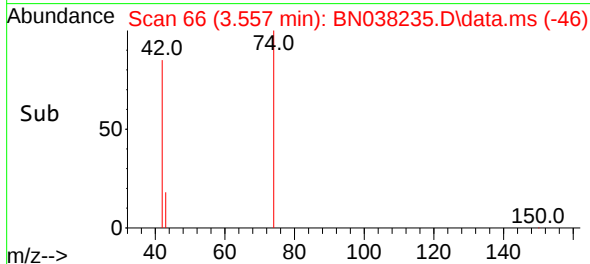
Instrument :  
BNA\_N  
ClientSampleId :  
EME-GENERAL-FILLMSD



Tgt Ion: 42 Resp: 442  
Ion Ratio Lower Upper  
42 100  
74 119.1 96.2 144.2  
44 23.9 8.0 12.0

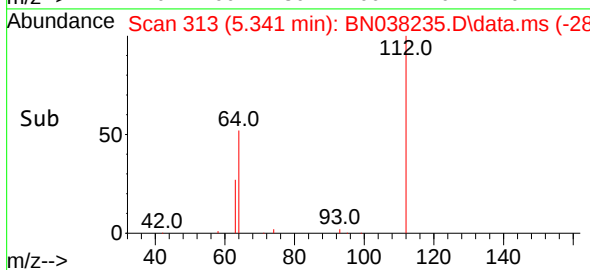
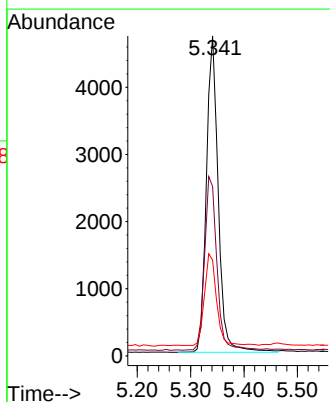
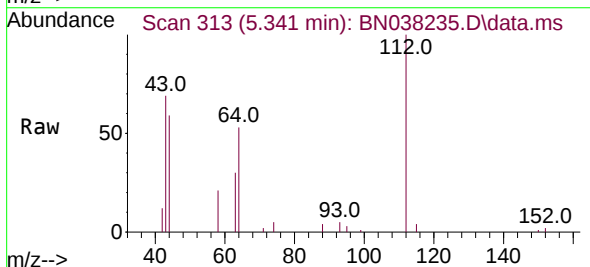
Manual Integrations  
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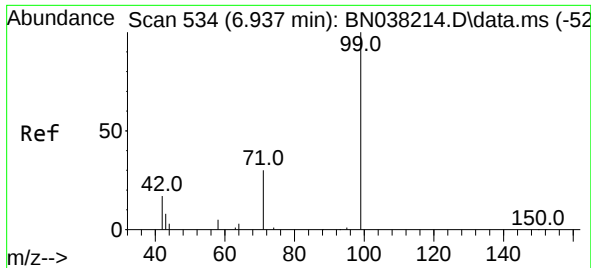
Reviewed By :Jagrut Upadhyay 12/02/2025  
Supervised By :mohammad ahmed 12/03/2025



#4  
2-Fluorophenol  
Concen: 0.376 ng  
RT: 5.341 min Scan# 313  
Delta R.T. 0.000 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53

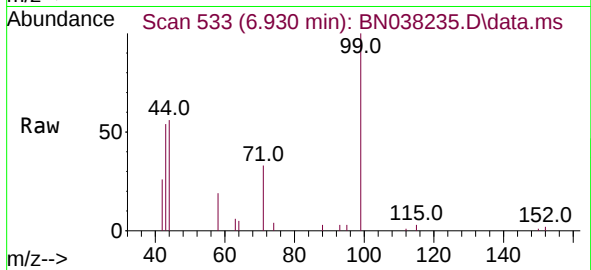
Tgt Ion:112 Resp: 7235  
Ion Ratio Lower Upper  
112 100  
64 56.7 45.0 67.4  
63 29.2 23.2 34.8





#5  
Phenol-d6  
Concen: 0.371 ng  
RT: 6.930 min Scan# 534  
Delta R.T. -0.007 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53

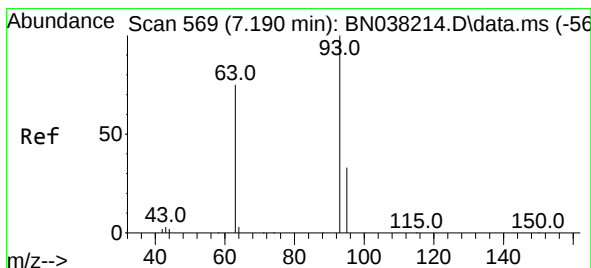
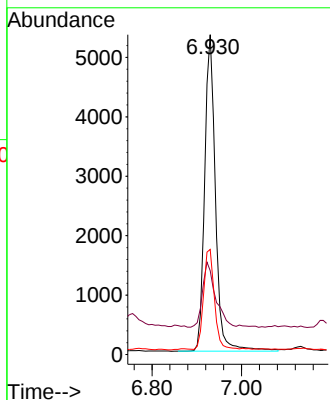
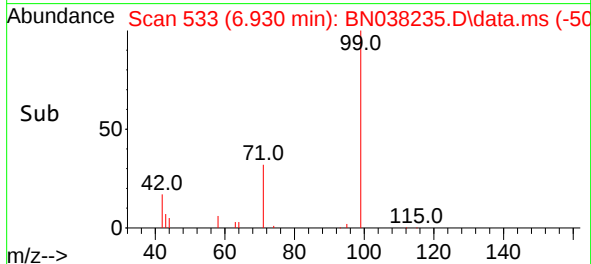
Instrument :  
BNA\_N  
ClientSampleId :  
EME-GENERAL-FILLMSD



Tgt Ion: 99 Resp: 8920  
Ion Ratio Lower Upper  
99 100  
42 24.6 17.0 25.6  
71 31.2 25.4 38.2

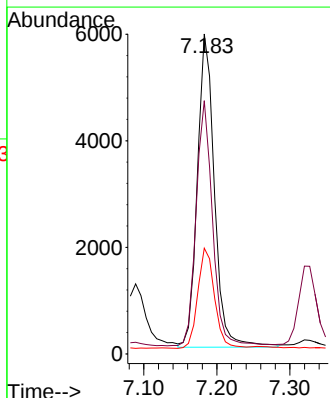
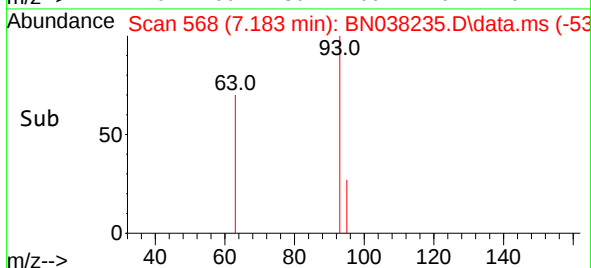
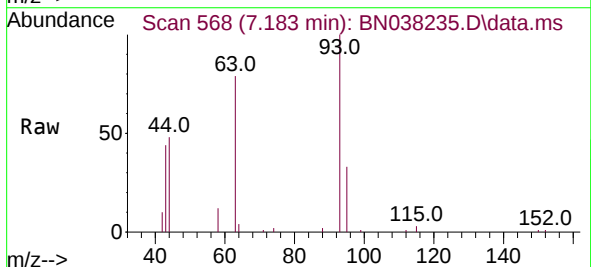
Manual Integrations  
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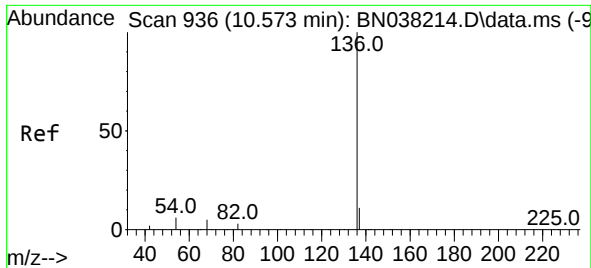
Reviewed By :Jagrut Upadhyay 12/02/2025  
Supervised By :mohammad ahmed 12/03/2025



#6  
bis(2-Chloroethyl)ether  
Concen: 0.415 ng  
RT: 7.183 min Scan# 568  
Delta R.T. -0.007 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53

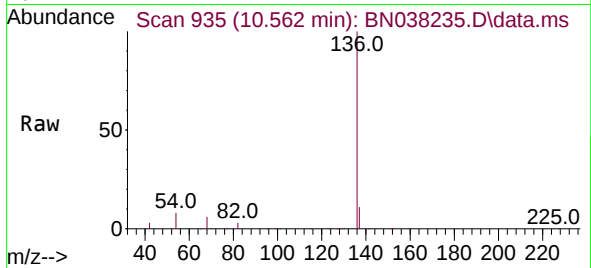
Tgt Ion: 93 Resp: 9558  
Ion Ratio Lower Upper  
93 100  
63 75.2 58.1 87.1  
95 31.3 25.1 37.7





#7  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.562 min Scan# 936  
Delta R.T. -0.011 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53

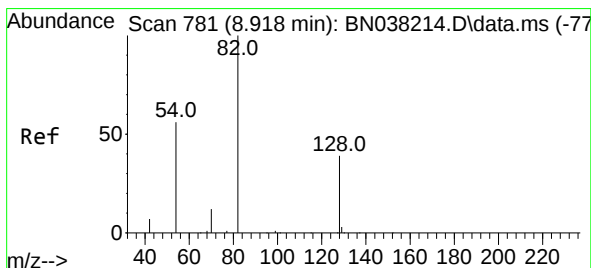
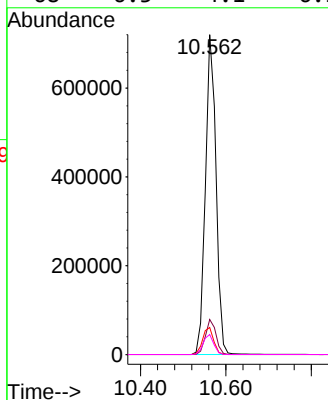
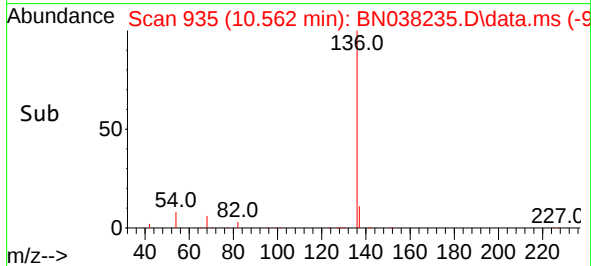
Instrument :  
BNA\_N  
ClientSampleId :  
EME-GENERAL-FILLMSD



Tgt Ion:136 Resp: 1239074  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.9 13.3  
54 8.5 5.4 8.0  
68 6.3 4.1 6.1

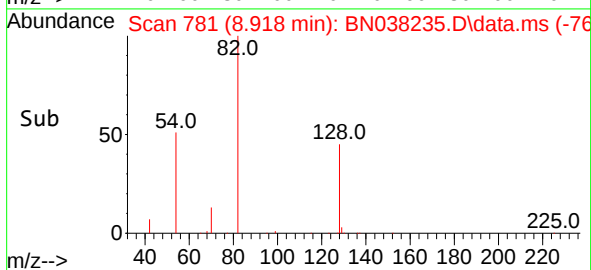
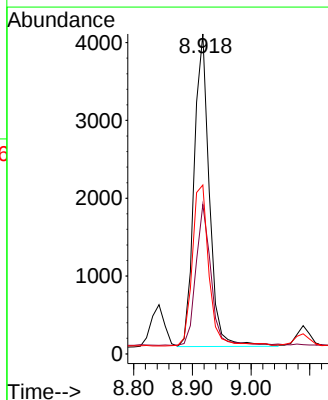
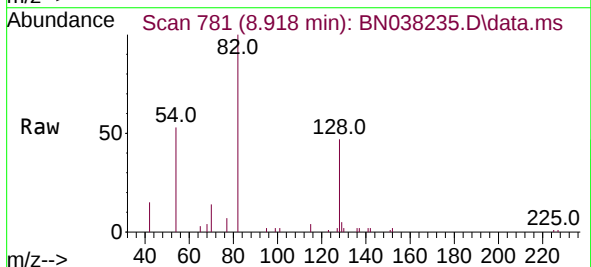
Manual Integrations  
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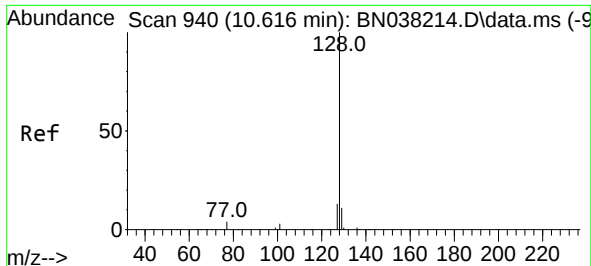
Reviewed By :Jagrut Upadhyay 12/02/2025  
Supervised By :mohammad ahmed 12/03/2025



#8  
Nitrobenzene-d5  
Concen: 0.365 ng  
RT: 8.918 min Scan# 781  
Delta R.T. 0.000 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53

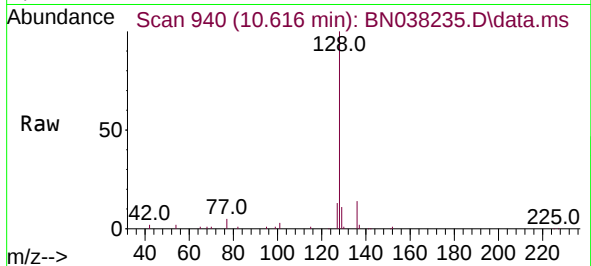
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Ion Ratio Lower Upper  
82 100  
128 46.7 32.6 48.8  
54 52.8 45.4 68.0





#9  
Naphthalene  
Concen: 0.391 ng  
RT: 10.616 min Scan# 940  
Delta R.T. 0.000 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53

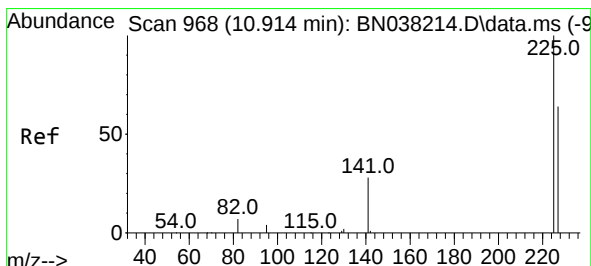
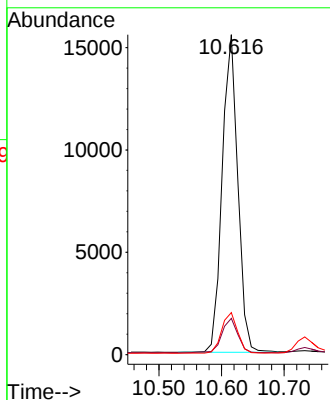
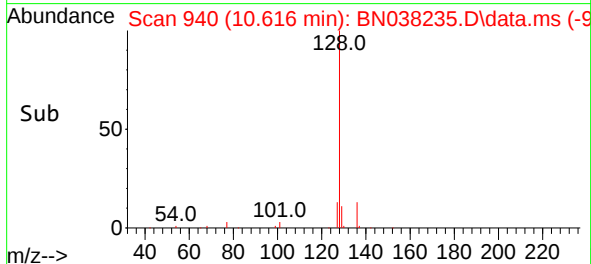
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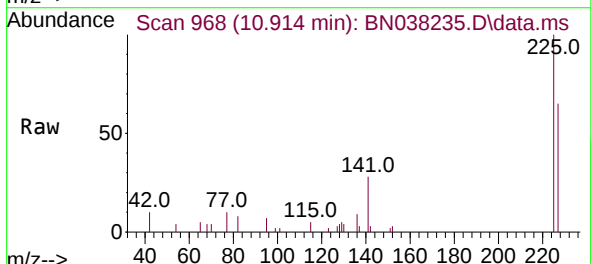
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Ion Ratio Lower Upper  
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127 13.1 10.6 16.0

Manual Integrations  
APPROVED

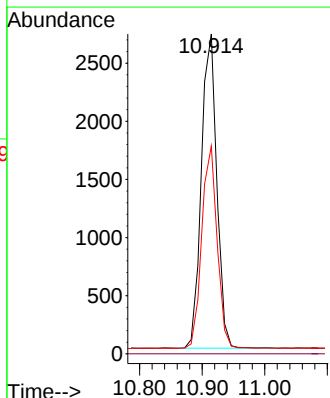
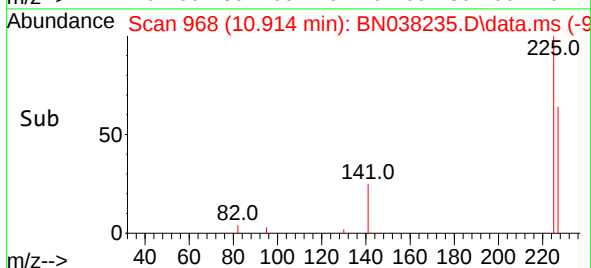
Reviewed By :Jagrut Upadhyay 12/02/2025  
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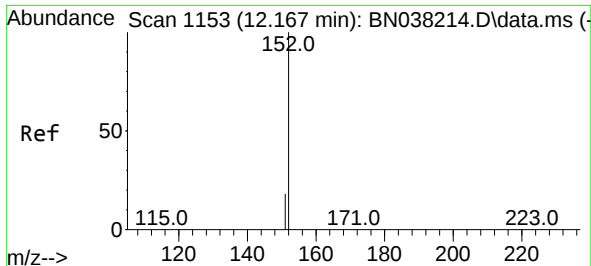


#10  
Hexachlorobutadiene  
Concen: 0.397 ng  
RT: 10.914 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53



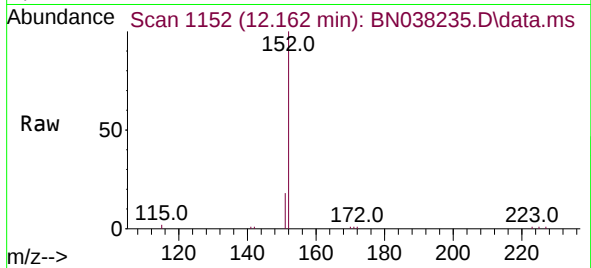
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Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 64.0 50.5 75.7





#11  
2-Methylnaphthalene-d10  
Concen: 0.359 ng  
RT: 12.162 min Scan# 1153  
Delta R.T. -0.005 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53

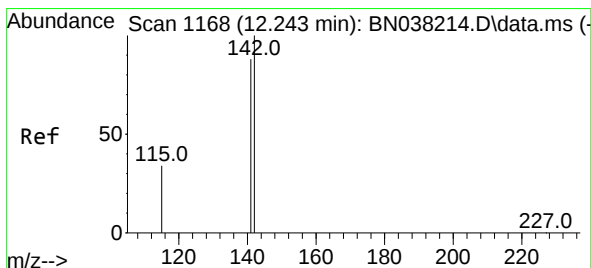
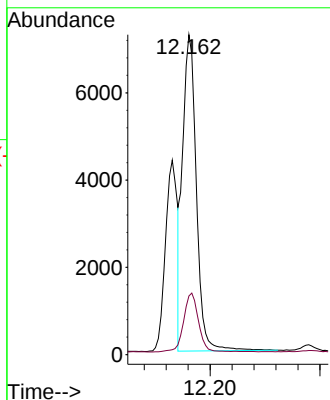
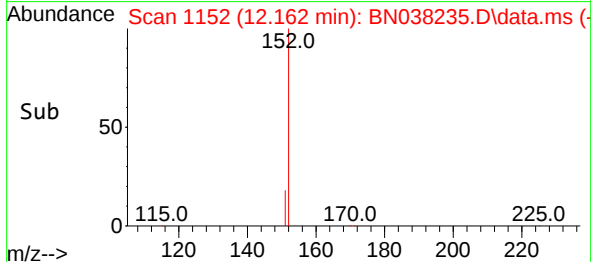
Instrument :  
BNA\_N  
ClientSampleId :  
EME-GENERAL-FILLMSD



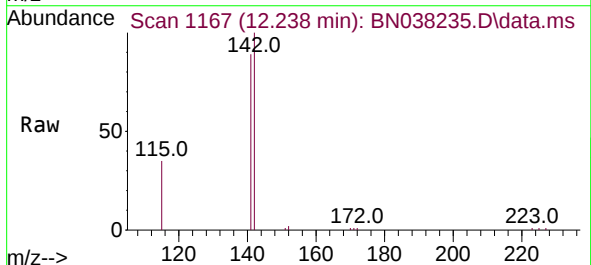
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Manual Integrations  
APPROVED

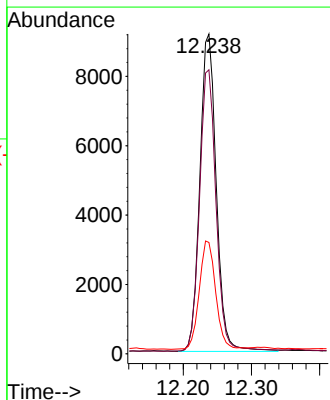
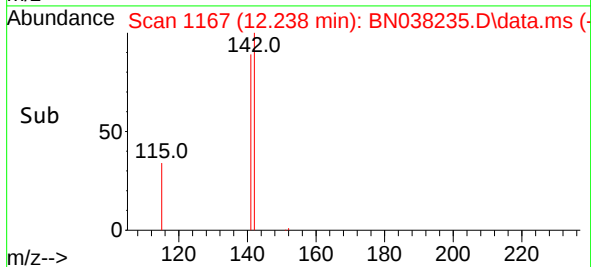
Reviewed By :Jagrut Upadhyay 12/02/2025  
Supervised By :mohammad ahmed 12/03/2025

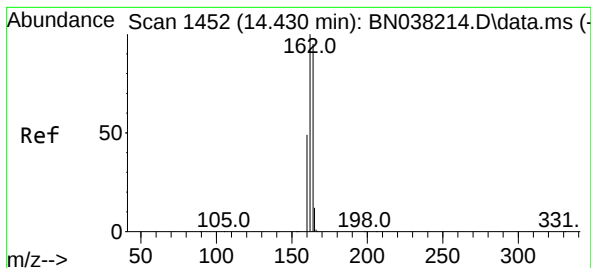


#12  
2-Methylnaphthalene  
Concen: 0.339 ng  
RT: 12.238 min Scan# 1167  
Delta R.T. -0.005 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53



Tgt Ion:142 Resp: 15342  
Ion Ratio Lower Upper  
142 100  
141 88.8 70.9 106.3  
115 34.8 27.7 41.5





#13

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.430 min Scan# 1452

Delta R.T. 0.000 min

Lab File: BN038235.D

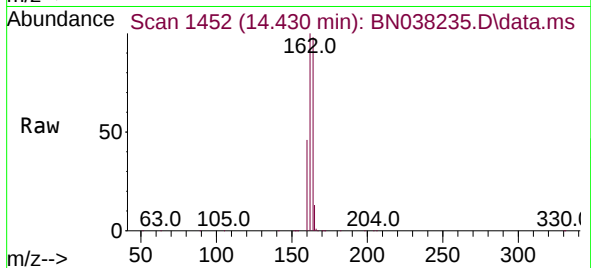
Acq: 01 Dec 2025 20:53

Instrument :

BNA\_N

ClientSampleId :

EME-GENERAL-FILLMSD



Tgt Ion:164 Resp: 634558

Ion Ratio Lower Upper

164 100

162 102.1 83.8 125.8

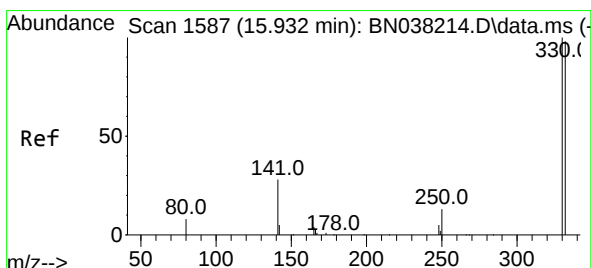
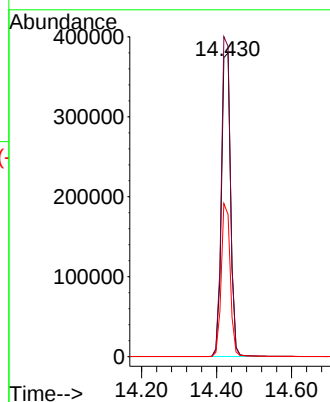
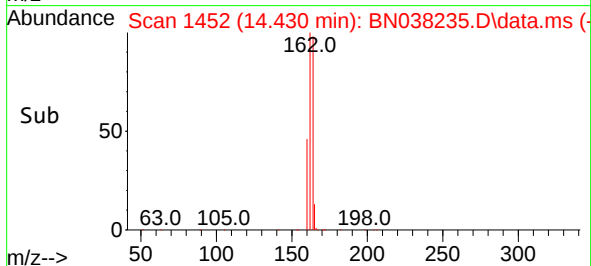
160 46.8 41.6 62.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025

Supervised By :mohammad ahmed 12/03/2025



#14

2,4,6-Tribromophenol

Concen: 0.345 ng

RT: 15.920 min Scan# 1586

Delta R.T. -0.012 min

Lab File: BN038235.D

Acq: 01 Dec 2025 20:53

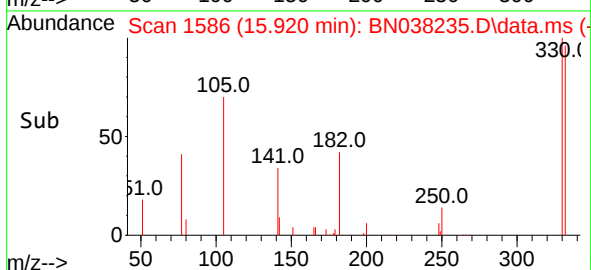
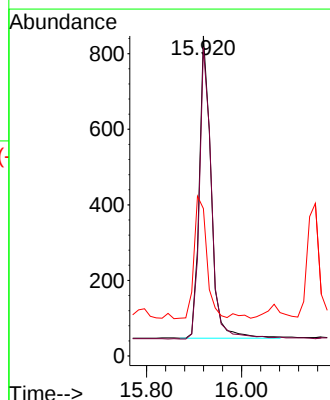
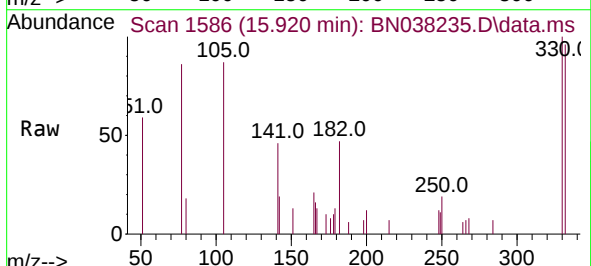
Tgt Ion:330 Resp: 1378

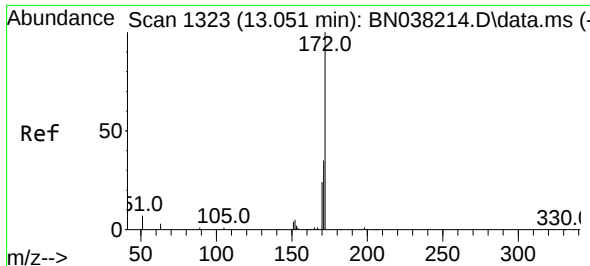
Ion Ratio Lower Upper

330 100

332 98.1 77.8 116.6

141 43.5 33.0 49.4





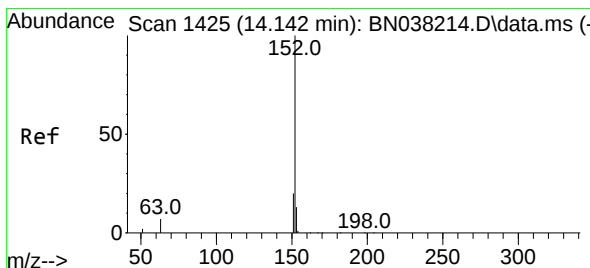
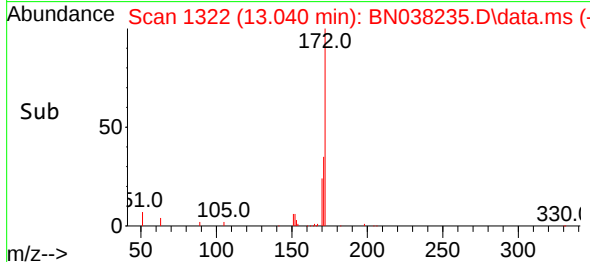
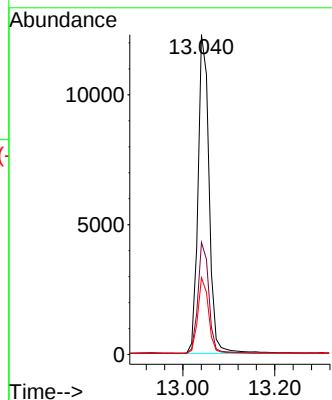
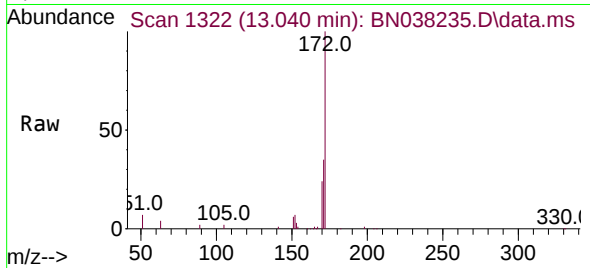
#15  
2-Fluorobiphenyl  
Concen: 0.390 ng  
RT: 13.040 min Scan# 1323  
Delta R.T. -0.011 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53

Instrument :  
BNA\_N  
ClientSampleId :  
EME-GENERAL-FILLMSD

Tgt Ion:172 Resp: 1910  
Ion Ratio Lower Upper  
172 100  
171 35.1 28.1 42.1  
170 24.0 19.1 28.7

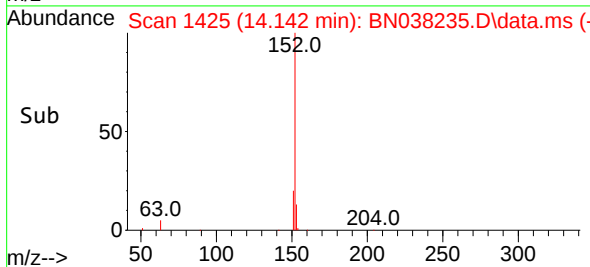
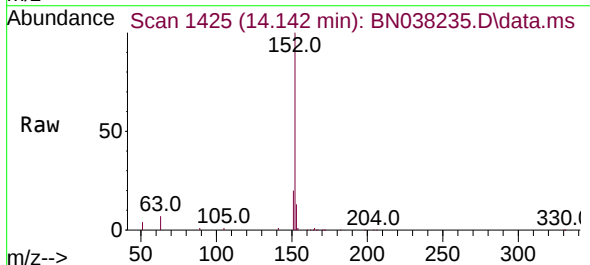
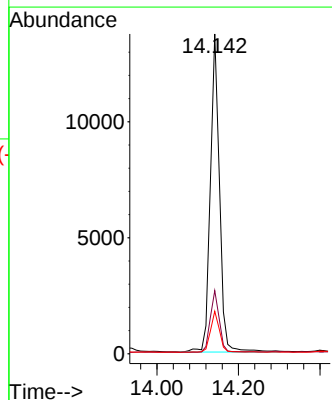
Manual Integrations  
APPROVED

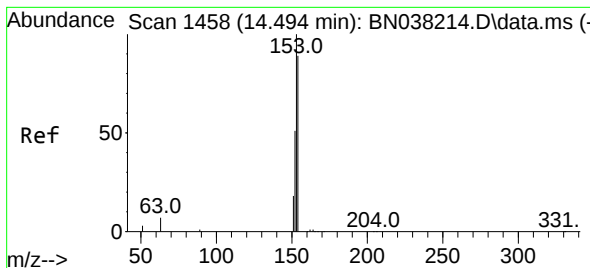
Reviewed By :Jagrut Upadhyay 12/02/2025  
Supervised By :mohammad ahmed 12/03/2025



#16  
Acenaphthylene  
Concen: 0.376 ng  
RT: 14.142 min Scan# 1425  
Delta R.T. 0.000 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53

Tgt Ion:152 Resp: 21360  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.6 23.4  
153 12.8 10.6 15.8





#17

Acenaphthene

Concen: 0.371 ng

RT: 14.484 min Scan# 1457

Delta R.T. -0.011 min

Lab File: BN038235.D

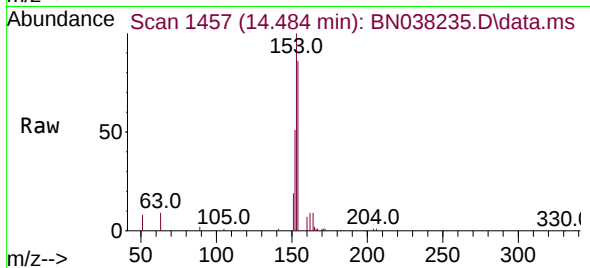
Acq: 01 Dec 2025 20:53

Instrument :

BNA\_N

ClientSampleId :

EME-GENERAL-FILLMSD



Tgt Ion:154 Resp: 14672

Ion Ratio Lower Upper

154 100

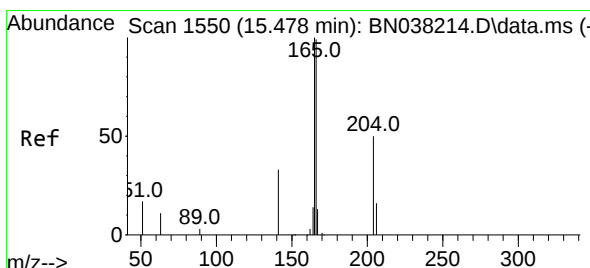
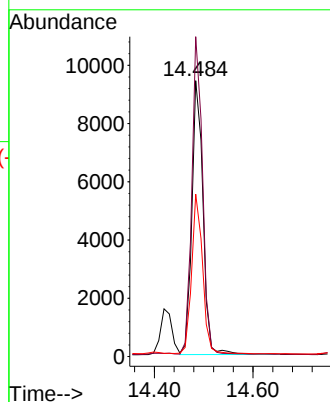
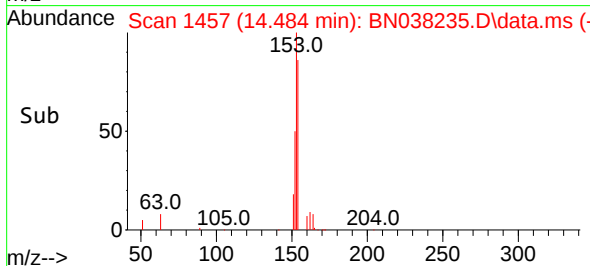
153 111.9 91.1 136.7

152 57.6 48.2 72.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025  
Supervised By :mohammad ahmed 12/03/2025



#18

Fluorene

Concen: 0.344 ng

RT: 15.478 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BN038235.D

Acq: 01 Dec 2025 20:53

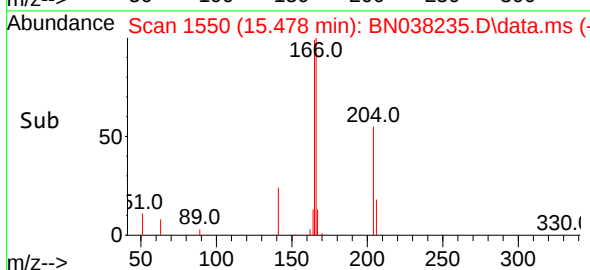
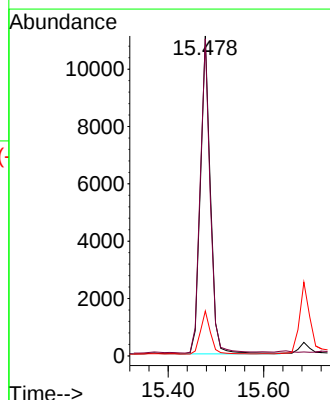
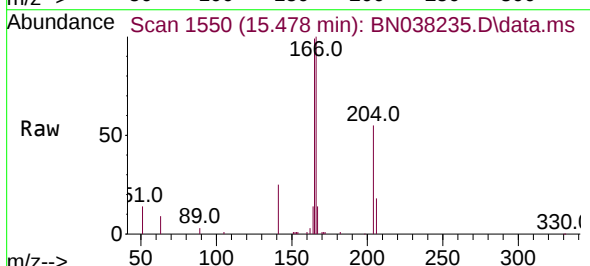
Tgt Ion:166 Resp: 17594

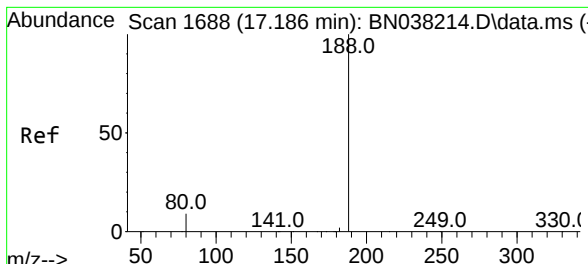
Ion Ratio Lower Upper

166 100

165 97.4 78.7 118.1

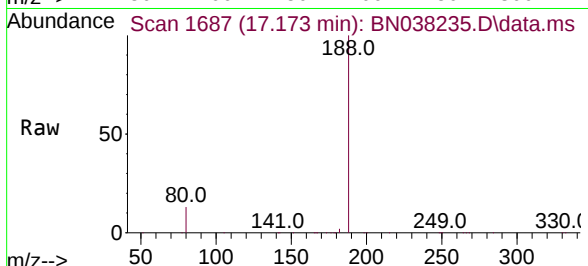
167 13.4 10.9 16.3





#19  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.173 min Scan# 1688  
Delta R.T. -0.012 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53

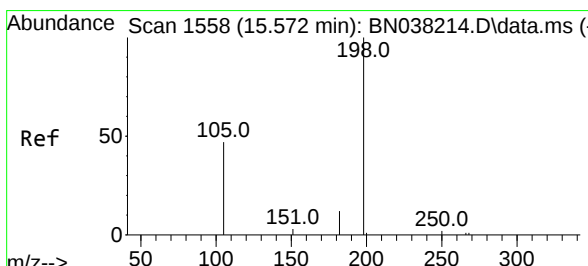
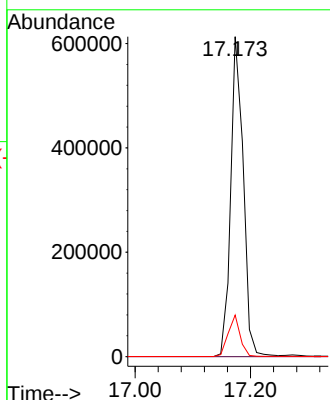
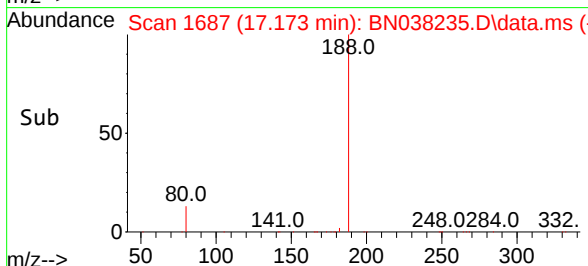
Instrument :  
BNA\_N  
ClientSampleId :  
EME-GENERAL-FILLMSD



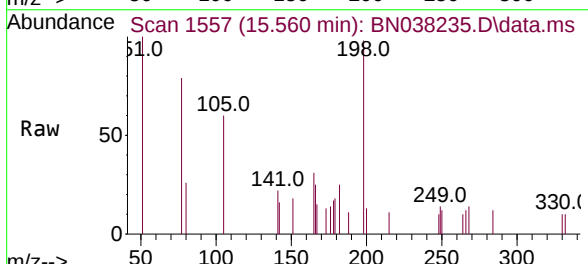
Tgt Ion:188 Resp: 924185  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 13.0 7.7 11.5

Manual Integrations  
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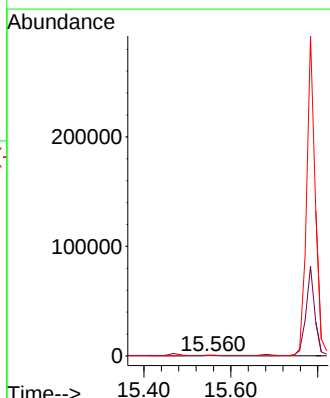
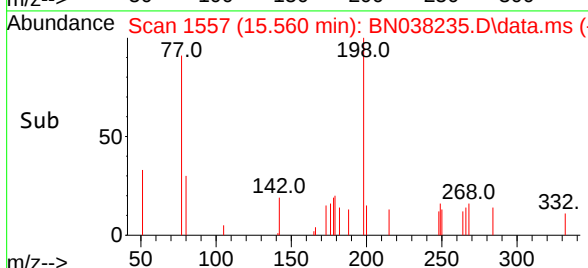
Reviewed By :Jagrut Upadhyay 12/02/2025  
Supervised By :mohammad ahmed 12/03/2025

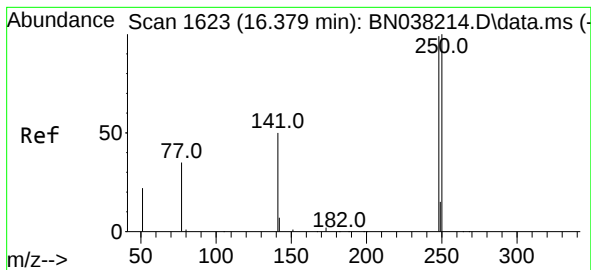


#20  
4,6-Dinitro-2-methylphenol  
Concen: 9.063 ng  
RT: 15.560 min Scan# 1557  
Delta R.T. -0.012 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53



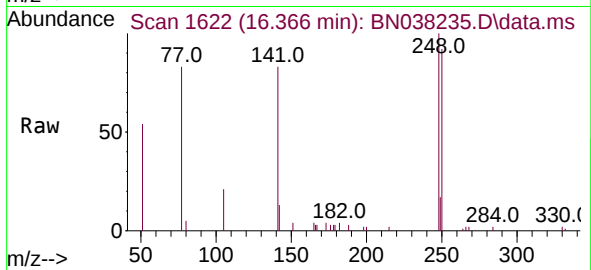
Tgt Ion:198 Resp: 876  
Ion Ratio Lower Upper  
198 100  
51 101.9 205.1 307.7#  
105 61.1 61.6 92.4#





#21  
4-Bromophenyl-phenylether  
Concen: 0.390 ng  
RT: 16.366 min Scan# 1622  
Delta R.T. -0.012 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53

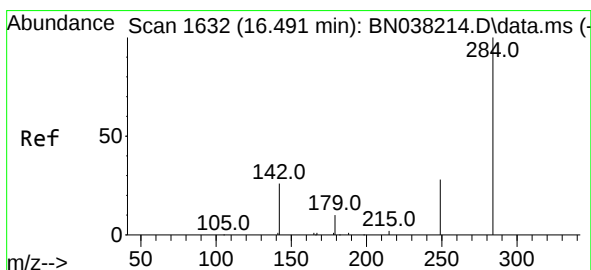
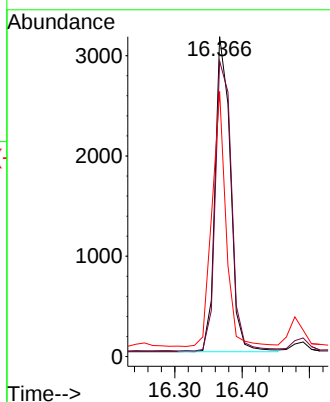
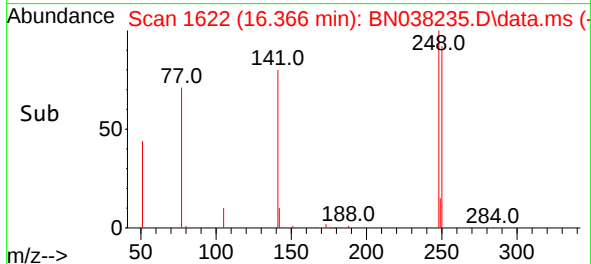
Instrument :  
BNA\_N  
ClientSampleId :  
EME-GENERAL-FILLMSD



Tgt Ion:248 Resp: 4999  
Ion Ratio Lower Upper  
248 100  
250 92.3 80.8 121.2  
141 82.8 41.0 61.6

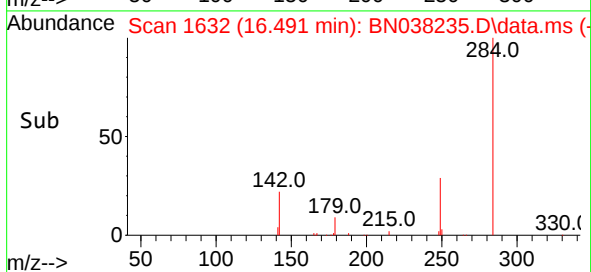
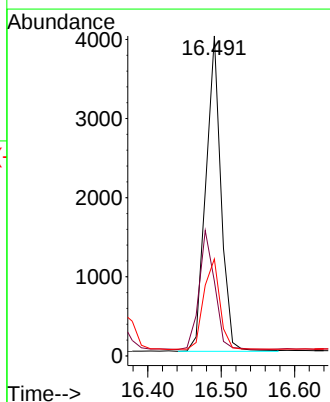
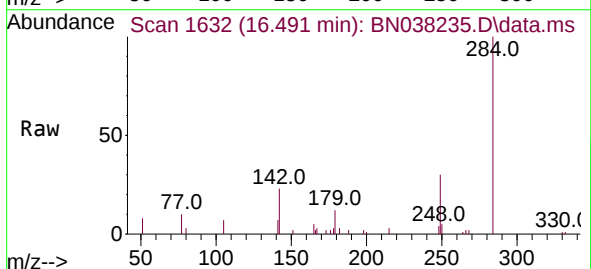
Manual Integrations  
APPROVED

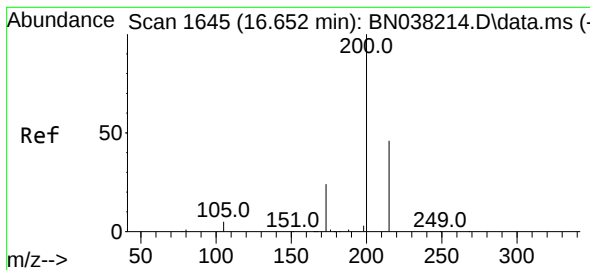
Reviewed By :Jagrut Upadhyay 12/02/2025  
Supervised By :mohammad ahmed 12/03/2025



#22  
Hexachlorobenzene  
Concen: 0.363 ng  
RT: 16.491 min Scan# 1632  
Delta R.T. 0.000 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53

Tgt Ion:284 Resp: 5719  
Ion Ratio Lower Upper  
284 100  
142 38.7 30.5 45.7  
249 31.0 23.8 35.8





#23

Atrazine

Concen: 0.382 ng

RT: 16.640 min Scan# 1644

Delta R.T. -0.012 min

Lab File: BN038235.D

Acq: 01 Dec 2025 20:53

Instrument :

BNA\_N

ClientSampleId :

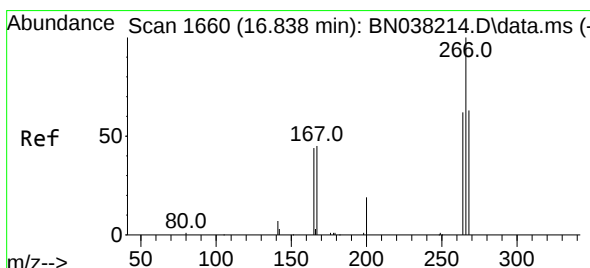
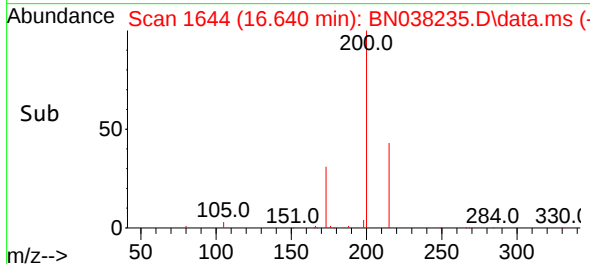
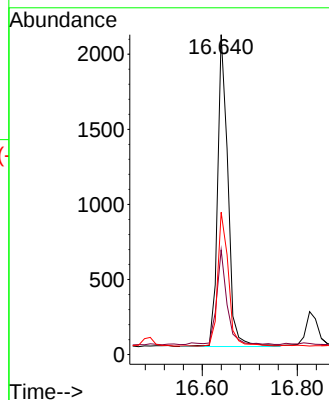
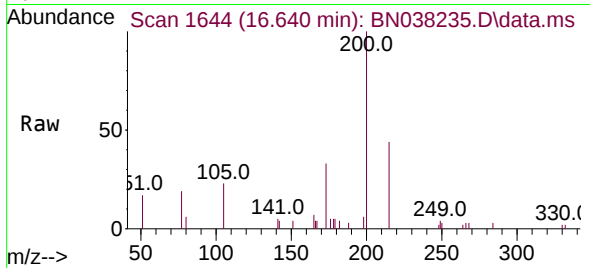
EME-GENERAL-FILLMSD

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 200   | Resp: | 3128 |
| Ion Ratio | Lower | Upper |      |
| 200       | 100   |       |      |
| 173       | 32.7  | 21.0  | 31.6 |
| 215       | 44.5  | 37.8  | 56.8 |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025  
Supervised By :mohammad ahmed 12/03/2025



#24

Pentachlorophenol

Concen: 0.561 ng

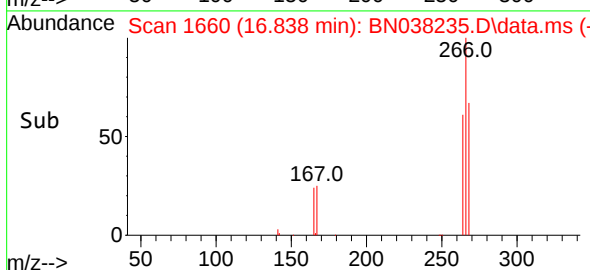
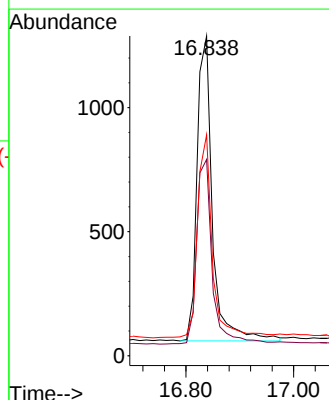
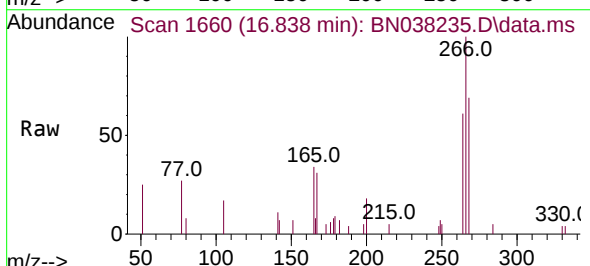
RT: 16.838 min Scan# 1660

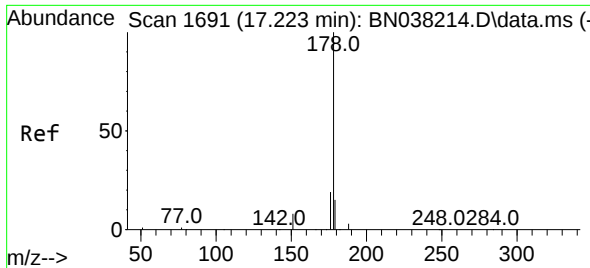
Delta R.T. 0.000 min

Lab File: BN038235.D

Acq: 01 Dec 2025 20:53

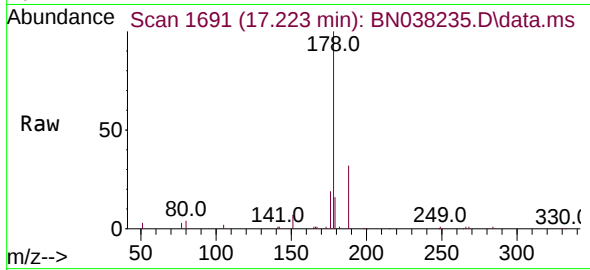
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 2420 |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 61.9  | 48.9  | 73.3 |
| 268       | 65.2  | 50.2  | 75.2 |





#25  
Phenanthrene  
Concen: 0.410 ng m  
RT: 17.223 min Scan# 1691  
Delta R.T. 0.000 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53

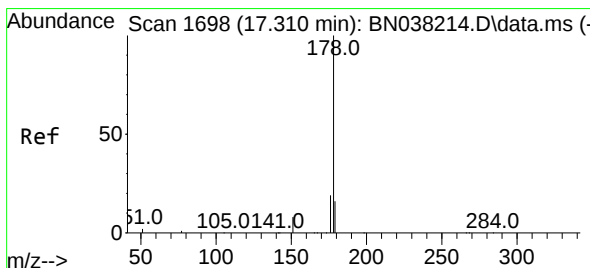
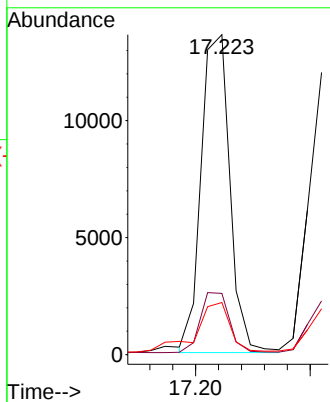
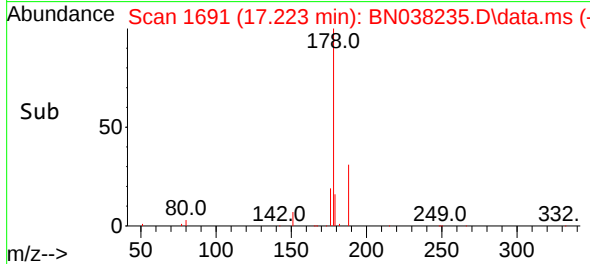
Instrument :  
BNA\_N  
ClientSampleId :  
EME-GENERAL-FILLMSD



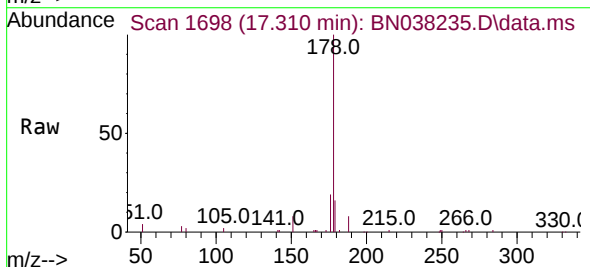
Tgt Ion:178 Resp: 23765  
Ion Ratio Lower Upper  
178 100  
176 14.1 15.3 22.9  
179 11.5 12.0 18.0

Manual Integrations  
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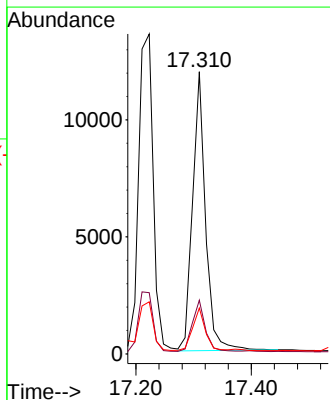
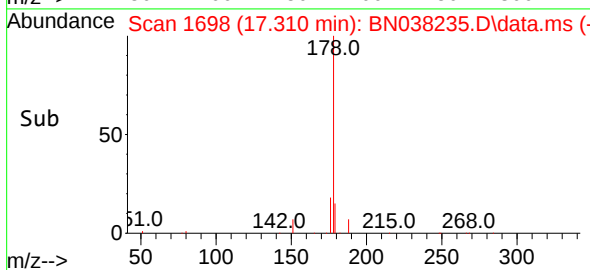
Reviewed By :Jagrut Upadhyay 12/02/2025  
Supervised By :mohammad ahmed 12/03/2025

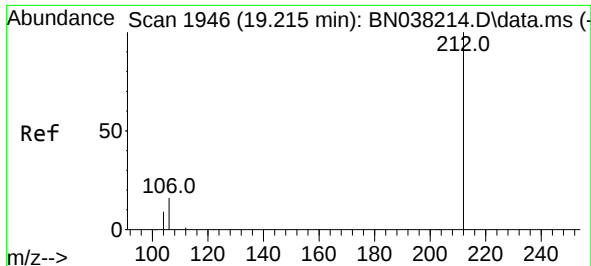


#26  
Anthracene  
Concen: 0.376 ng  
RT: 17.310 min Scan# 1698  
Delta R.T. 0.000 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53



Tgt Ion:178 Resp: 18592  
Ion Ratio Lower Upper  
178 100  
176 18.7 14.7 22.1  
179 14.7 12.3 18.5





#27

Fluoranthene-d10

Concen: 0.333 ng

RT: 19.211 min Scan# 1945

Delta R.T. -0.005 min

Lab File: BN038235.D

Acq: 01 Dec 2025 20:53

Instrument :

BNA\_N

ClientSampleId :

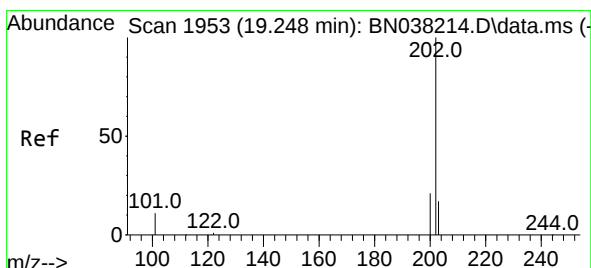
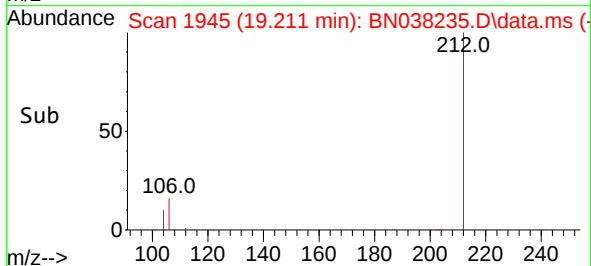
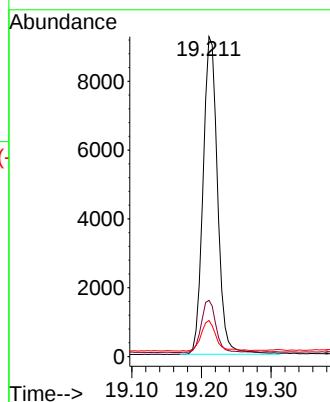
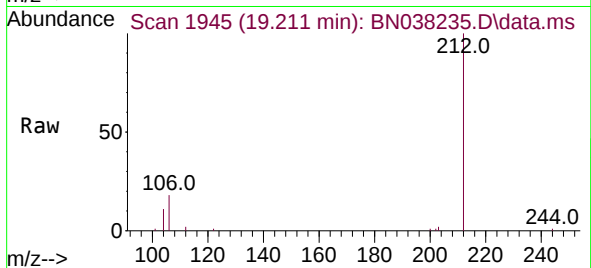
EME-GENERAL-FILLMSD

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 212   | Resp: | 1336 |
| Ion Ratio | Lower | Upper |      |
| 212       | 100   |       |      |
| 106       | 16.7  | 12.7  | 19.1 |
| 104       | 10.0  | 7.3   | 10.9 |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025  
Supervised By :mohammad ahmed 12/03/2025



#28

Fluoranthene

Concen: 0.368 ng

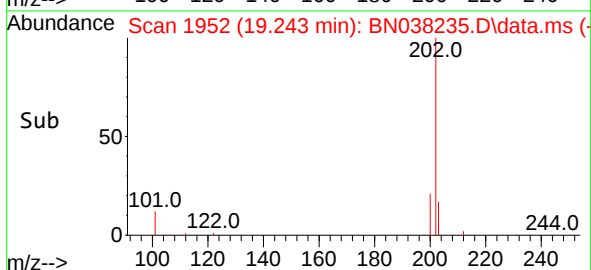
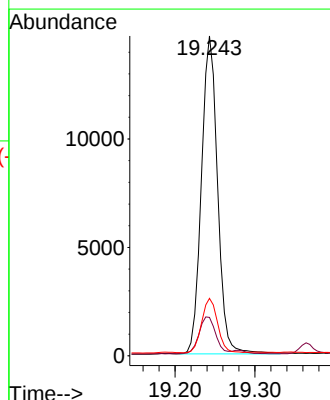
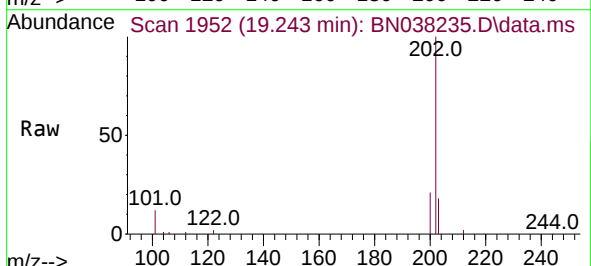
RT: 19.243 min Scan# 1952

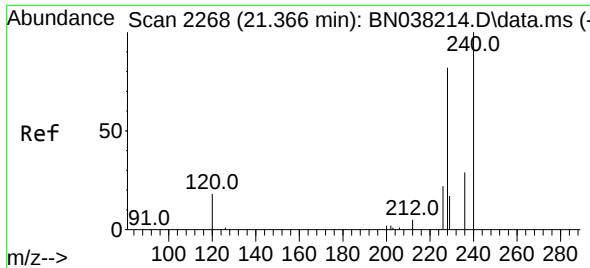
Delta R.T. -0.005 min

Lab File: BN038235.D

Acq: 01 Dec 2025 20:53

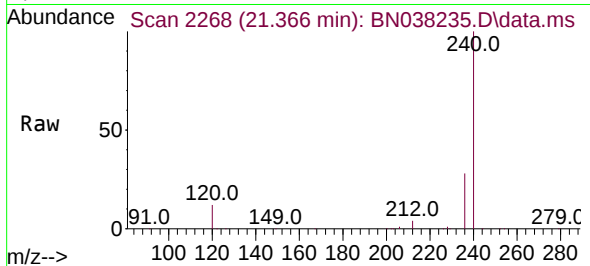
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 20607 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 11.9  | 9.8   | 14.6  |
| 203       | 16.8  | 13.6  | 20.4  |





#29  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.366 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53

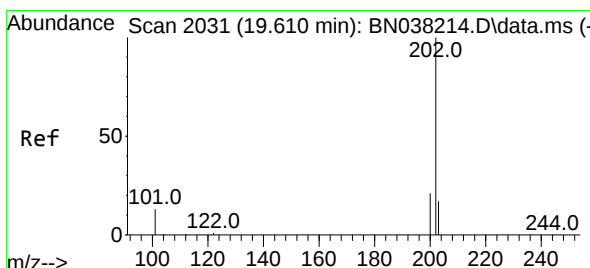
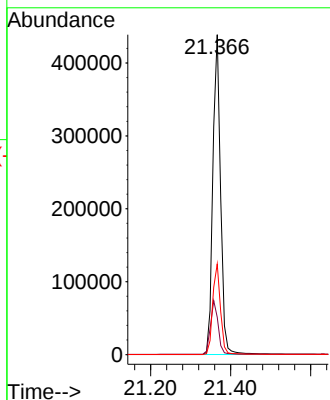
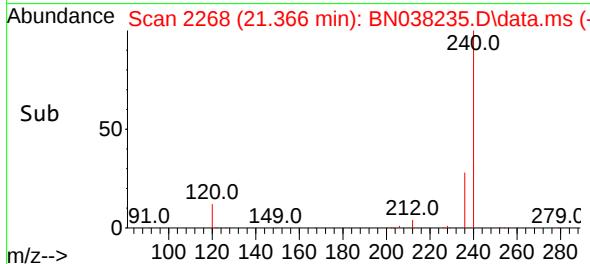
Instrument :  
BNA\_N  
ClientSampleId :  
EME-GENERAL-FILLMSD



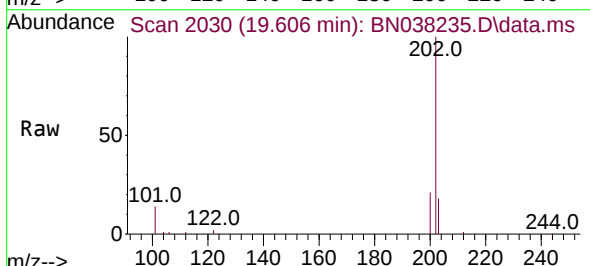
Tgt Ion:240 Resp: 590927  
Ion Ratio Lower Upper  
240 100  
120 11.7 18.1 27.1  
236 28.3 24.2 36.4

Manual Integrations  
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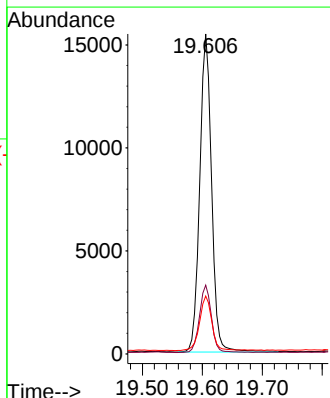
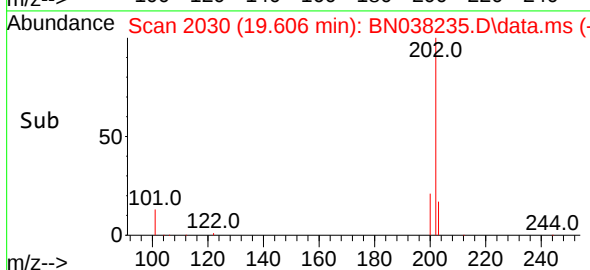
Reviewed By :Jagrut Upadhyay 12/02/2025  
Supervised By :mohammad ahmed 12/03/2025

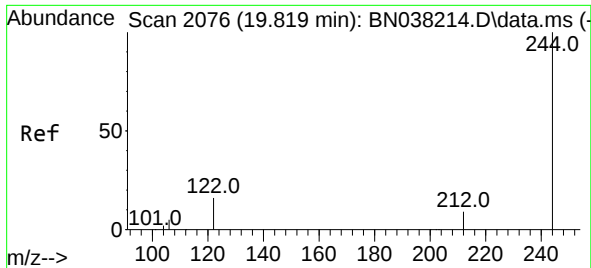


#30  
Pyrene  
Concen: 0.359 ng  
RT: 19.606 min Scan# 2030  
Delta R.T. -0.005 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53



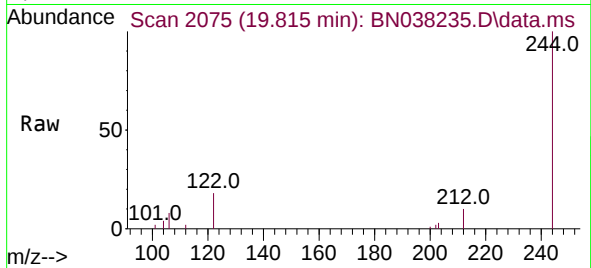
Tgt Ion:202 Resp: 21180  
Ion Ratio Lower Upper  
202 100  
200 21.2 16.8 25.2  
203 17.9 14.4 21.6





#31  
Terphenyl-d14  
Concen: 0.369 ng  
RT: 19.815 min Scan# 2076  
Delta R.T. -0.005 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53

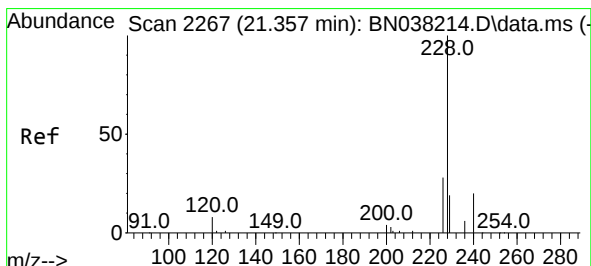
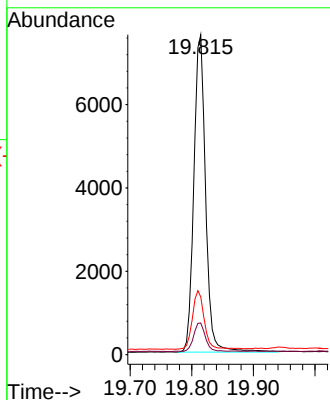
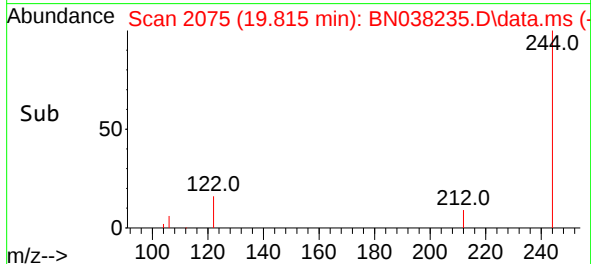
Instrument :  
BNA\_N  
ClientSampleId :  
EME-GENERAL-FILLMSD



Tgt Ion:244 Resp: 10068  
Ion Ratio Lower Upper  
244 100  
212 9.9 7.7 11.5  
122 18.0 13.6 20.4

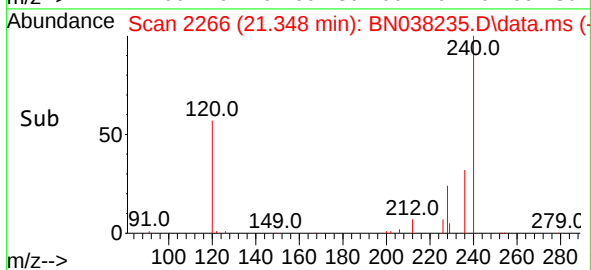
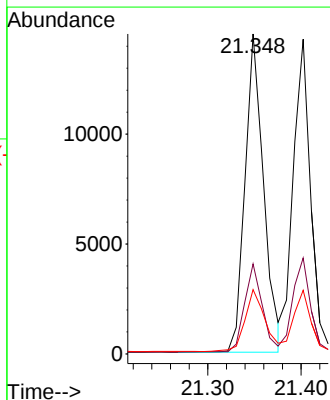
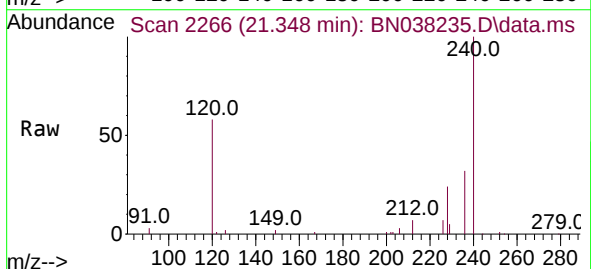
Manual Integrations  
APPROVED

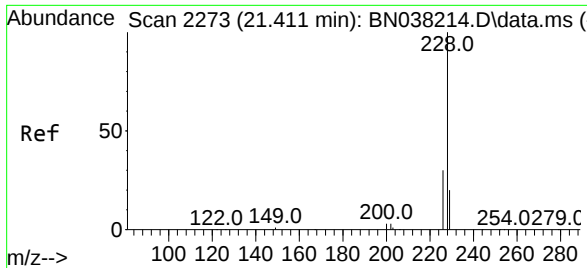
Reviewed By :Jagrut Upadhyay 12/02/2025  
Supervised By :mohammad ahmed 12/03/2025



#32  
Benzo(a)anthracene  
Concen: 0.499 ng  
RT: 21.348 min Scan# 2266  
Delta R.T. -0.009 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53

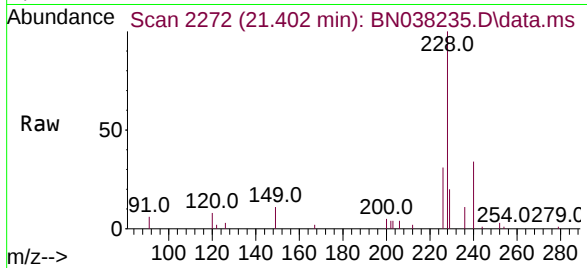
Tgt Ion:228 Resp: 19971  
Ion Ratio Lower Upper  
228 100  
226 28.1 22.6 33.8  
229 20.1 15.8 23.8





#33  
Chrysene  
Concen: 0.394 ng  
RT: 21.402 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53

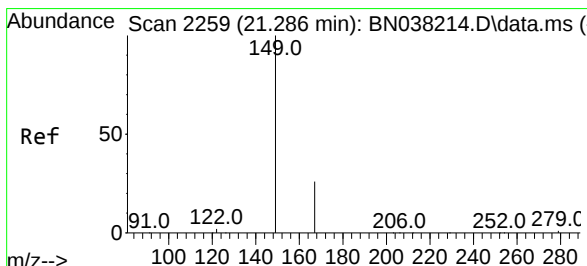
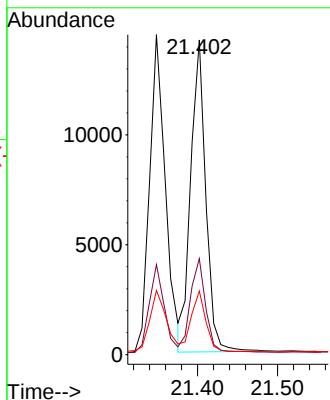
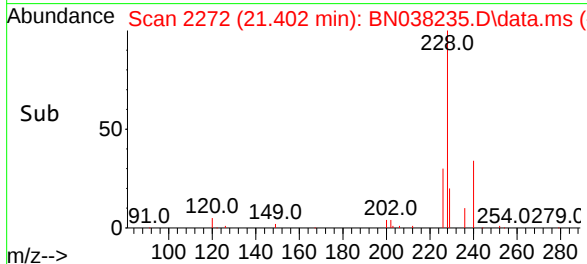
Instrument :  
BNA\_N  
ClientSampleId :  
EME-GENERAL-FILLMSD



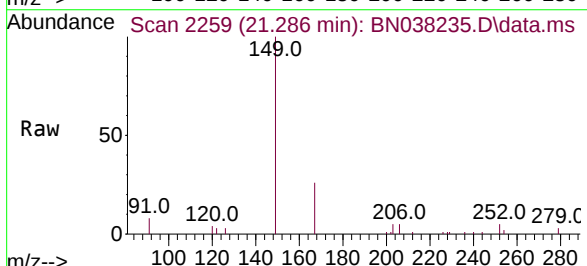
Tgt Ion:228 Resp: 1862  
Ion Ratio Lower Upper  
228 100  
226 30.5 23.8 35.8  
229 20.2 16.1 24.1

Manual Integrations  
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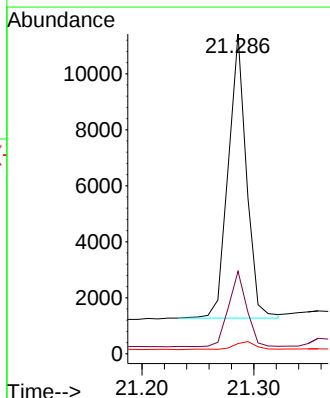
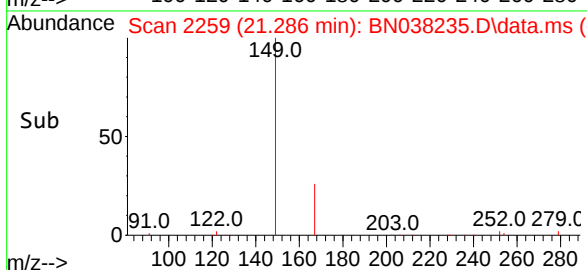
Reviewed By :Jagrut Upadhyay 12/02/2025  
Supervised By :mohammad ahmed 12/03/2025

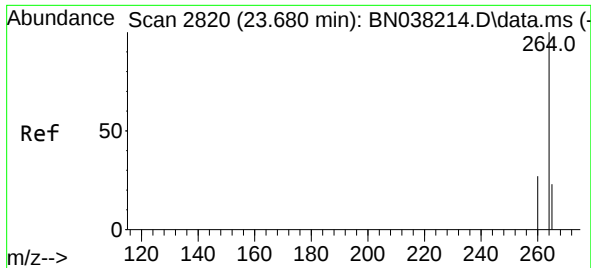


#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.522 ng  
RT: 21.286 min Scan# 2259  
Delta R.T. 0.000 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53



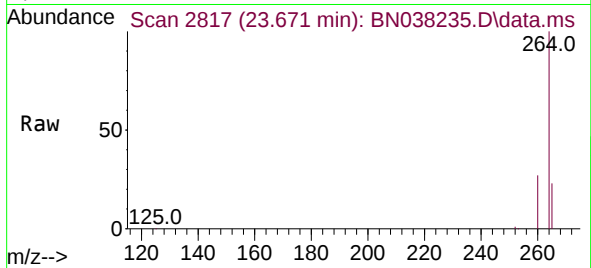
Tgt Ion:149 Resp: 11432  
Ion Ratio Lower Upper  
149 100  
167 26.2 20.7 31.1  
279 3.5 2.5 3.7





#35  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.671 min Scan# 2817  
Delta R.T. -0.009 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53

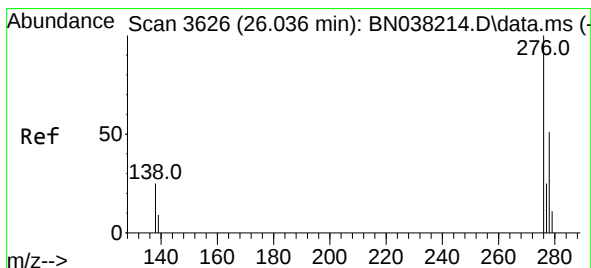
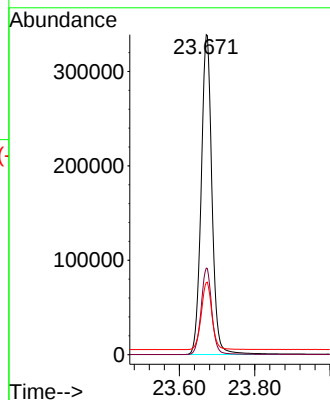
Instrument :  
BNA\_N  
ClientSampleId :  
EME-GENERAL-FILLMSD



Tgt Ion:264 Resp: 671792  
Ion Ratio Lower Upper  
264 100  
260 27.0 21.7 32.5  
265 22.5 98.0 147.0

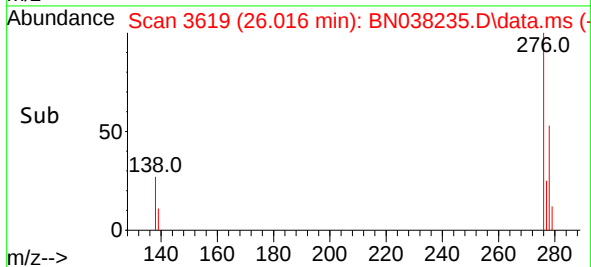
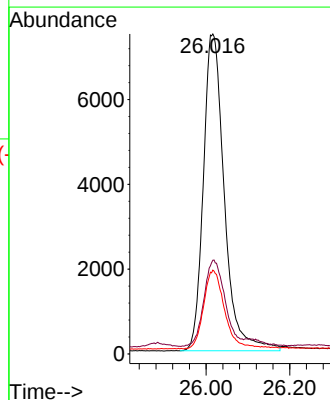
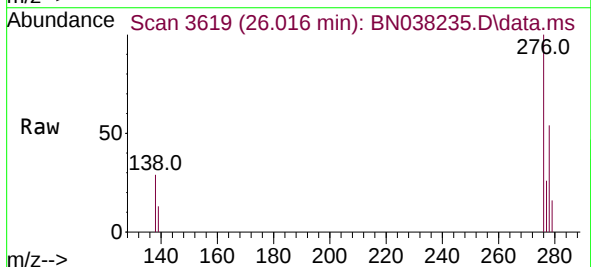
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APPROVED

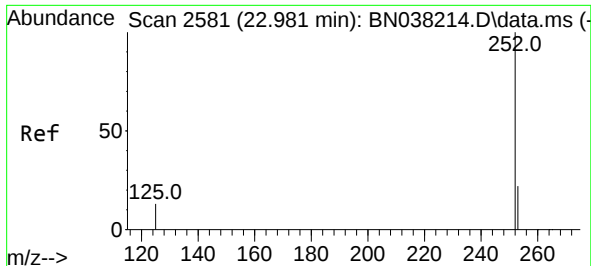
Reviewed By :Jagrut Upadhyay 12/02/2025  
Supervised By :mohammad ahmed 12/03/2025



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.419 ng  
RT: 26.016 min Scan# 3619  
Delta R.T. -0.020 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53

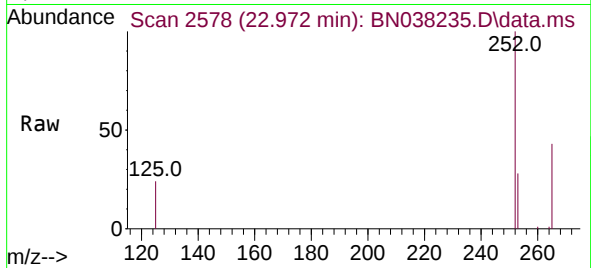
Tgt Ion:276 Resp: 26034  
Ion Ratio Lower Upper  
276 100  
138 27.3 21.4 32.2  
277 24.6 19.1 28.7





#37  
Benzo(b)fluoranthene  
Concen: 0.365 ng  
RT: 22.972 min Scan# 2578  
Delta R.T. -0.009 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53

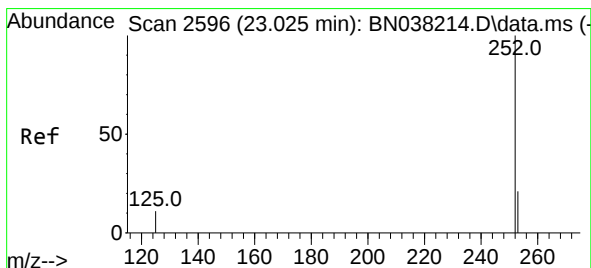
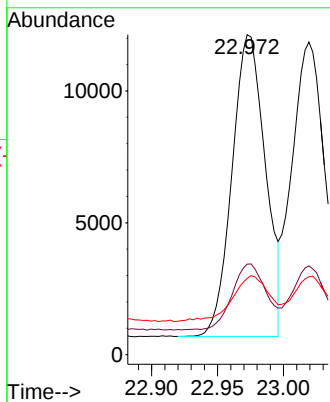
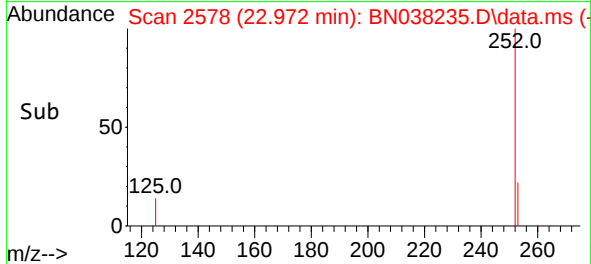
Instrument :  
BNA\_N  
ClientSampleId :  
EME-GENERAL-FILLMSD



Tgt Ion:252 Resp: 20132  
Ion Ratio Lower Upper  
252 100  
253 28.3 22.2 33.4  
125 23.8 18.0 27.0

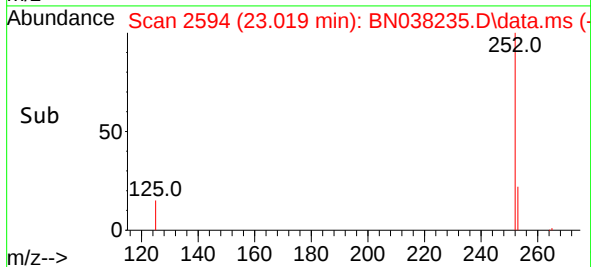
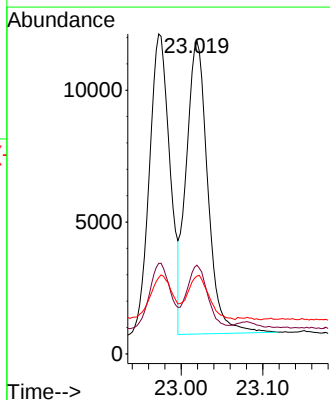
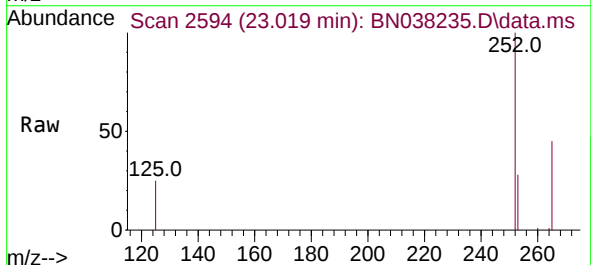
Manual Integrations  
APPROVED

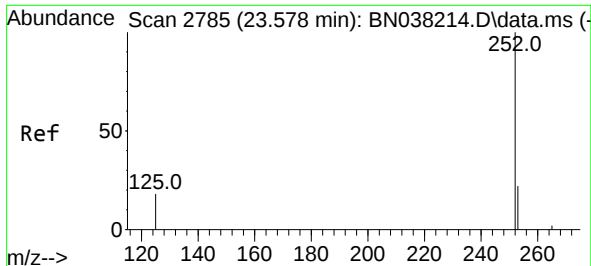
Reviewed By :Jagrut Upadhyay 12/02/2025  
Supervised By :mohammad ahmed 12/03/2025



#38  
Benzo(k)fluoranthene  
Concen: 0.355 ng  
RT: 23.019 min Scan# 2594  
Delta R.T. -0.006 min  
Lab File: BN038235.D  
Acq: 01 Dec 2025 20:53

Tgt Ion:252 Resp: 20327  
Ion Ratio Lower Upper  
252 100  
253 28.4 22.4 33.6  
125 24.9 17.5 26.3





#39

Benzo(a)pyrene

Concen: 0.383 ng

RT: 23.566 min Scan# 21

Delta R.T. -0.012 min

Lab File: BN038235.D

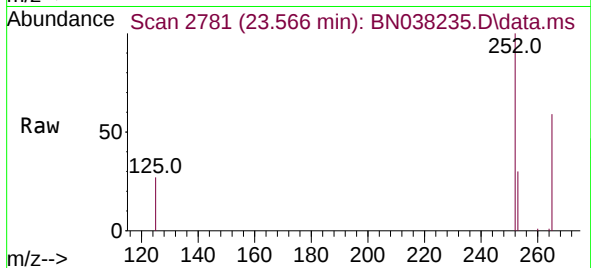
Acq: 01 Dec 2025 20:53

Instrument :

BN038235.D

ClientSampleId :

EME-GENERAL-FILLMSD

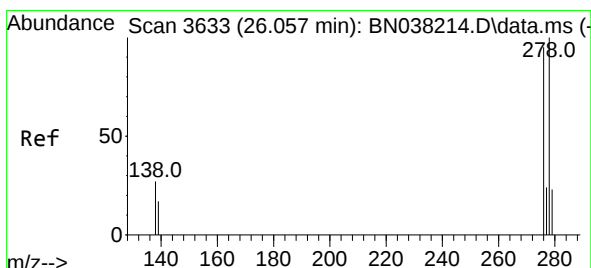
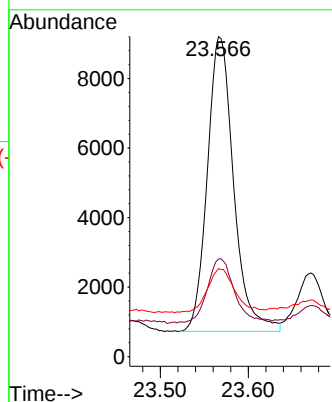
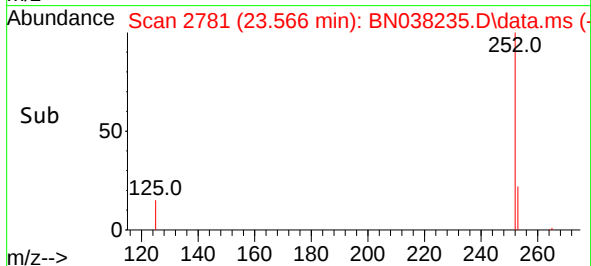


|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 1769 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 30.5  | 25.3  | 37.9 |
| 125       | 27.5  | 25.2  | 37.8 |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025  
Supervised By :mohammad ahmed 12/03/2025



#40

Dibenzo(a,h)anthracene

Concen: 0.423 ng

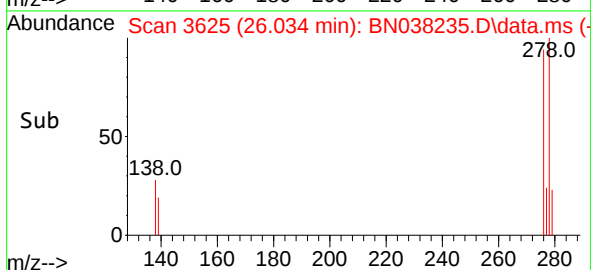
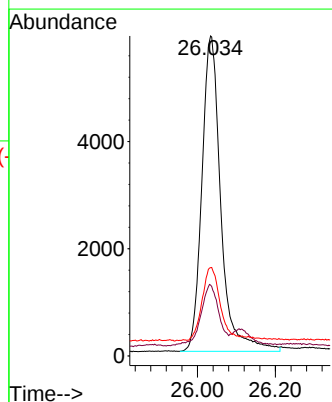
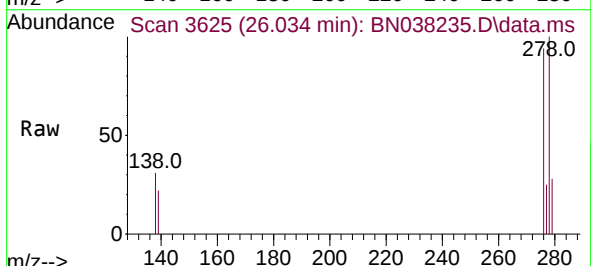
RT: 26.034 min Scan# 3625

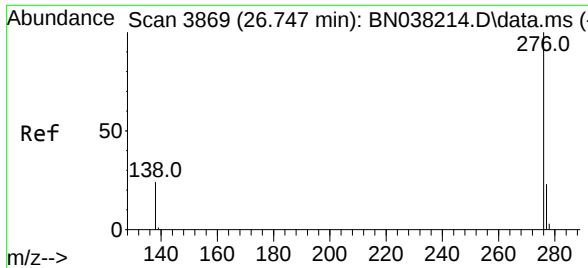
Delta R.T. -0.023 min

Lab File: BN038235.D

Acq: 01 Dec 2025 20:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 19902 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 22.1  | 17.6  | 26.4  |
| 279       | 27.6  | 24.2  | 36.4  |





#41

Benzo(g,h,i)perylene

Concen: 0.386 ng

RT: 26.732 min Scan# 3864

Delta R.T. -0.015 min

Lab File: BN038235.D

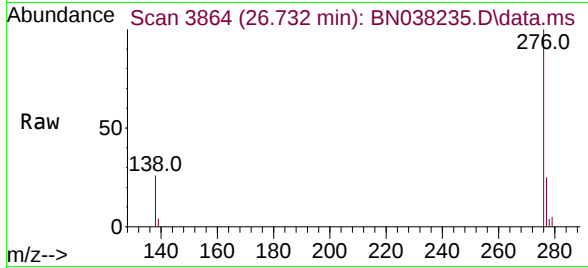
Acq: 01 Dec 2025 20:53

Instrument :

BNA\_N

ClientSampleId :

EME-GENERAL-FILLMSD



Tgt Ion:276 Resp: 21732

Ion Ratio Lower Upper

276 100

277 24.9 20.2 30.2

138 26.3 20.8 31.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025

Supervised By :mohammad ahmed 12/03/2025

