

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122324\  
 Data File : BM049199.D  
 Acq On : 25 Dec 2024 00:14  
 Operator : RC/JU  
 Sample : P5302-07  
 Misc :  
 ALS Vial : 64 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 E2AS0

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/26/2024  
 Supervised By :mohammad ahmed 12/26/2024

Quant Time: Dec 25 00:52:14 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 18 15:33:13 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.548  | 152  | 7258     | 0.400 | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.310 | 136  | 21999    | 0.400 | ng/ul  | -0.02    |
| 9) Acenaphthene-d10         | 14.183 | 164  | 12085    | 0.400 | ng/ul  | -0.02    |
| 13) Phenanthrene-d10        | 16.934 | 188  | 26956m   | 0.400 | ng/ul  | -0.02    |
| 17) Chrysene-d12            | 21.134 | 240  | 24248m   | 0.400 | ng/ul  | -0.01    |
| 23) Perylene-d12            | 23.288 | 264  | 23720m   | 0.400 | ng/ul  | -0.02    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.143  | 96   | 21067    | 2.517 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.904 | 152  | 4832     | 0.163 | ng/ul  | -0.02    |
| 18) Fluoranthene-d10        | 18.970 | 212  | 12511    | 0.182 | ng/ul  | -0.01    |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.359 | 128  | 2749     | 0.050 | ng/ul# | 90       |
| 7) 2-Methylnaphthalene      | 11.981 | 142  | 897      | 0.026 | ng/ul  | 96       |
| 8) 1-Methylnaphthalene      | 12.207 | 142  | 805      | 0.023 | ng/ul  | 96       |
| 10) Acenaphthylene          | 13.901 | 152  | 24462    | 0.488 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.248 | 153  | 1030     | 0.028 | ng/ul  | 94       |
| 12) Fluorene                | 15.238 | 166  | 5612     | 0.136 | ng/ul  | 98       |
| 15) Phenanthrene            | 16.972 | 178  | 80415m   | 1.142 | ng/ul  |          |
| 16) Anthracene              | 17.065 | 178  | 21028m   | 0.325 | ng/ul  |          |
| 19) Fluoranthene            | 18.997 | 202  | 190463   | 2.172 | ng/ul  | 99       |
| 20) Pyrene                  | 19.365 | 202  | 130653   | 1.397 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.116 | 228  | 75060    | 0.890 | ng/ul  | 97       |
| 22) Chrysene                | 21.169 | 228  | 74575    | 0.824 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 22.651 | 252  | 108525m  | 1.432 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.689 | 252  | 42922m   | 0.516 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.194 | 252  | 55906m   | 0.769 | ng/ul  |          |
| 27) Indeno(1,2,3-cd)pyrene  | 25.417 | 276  | 50895    | 0.495 | ng/ul  | 93       |
| 28) Dibenzo(a,h)anthracene  | 25.423 | 278  | 12746    | 0.160 | ng/ul  | 92       |
| 29) Benzo(g,h,i)perylene    | 26.067 | 276  | 29664    | 0.359 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

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

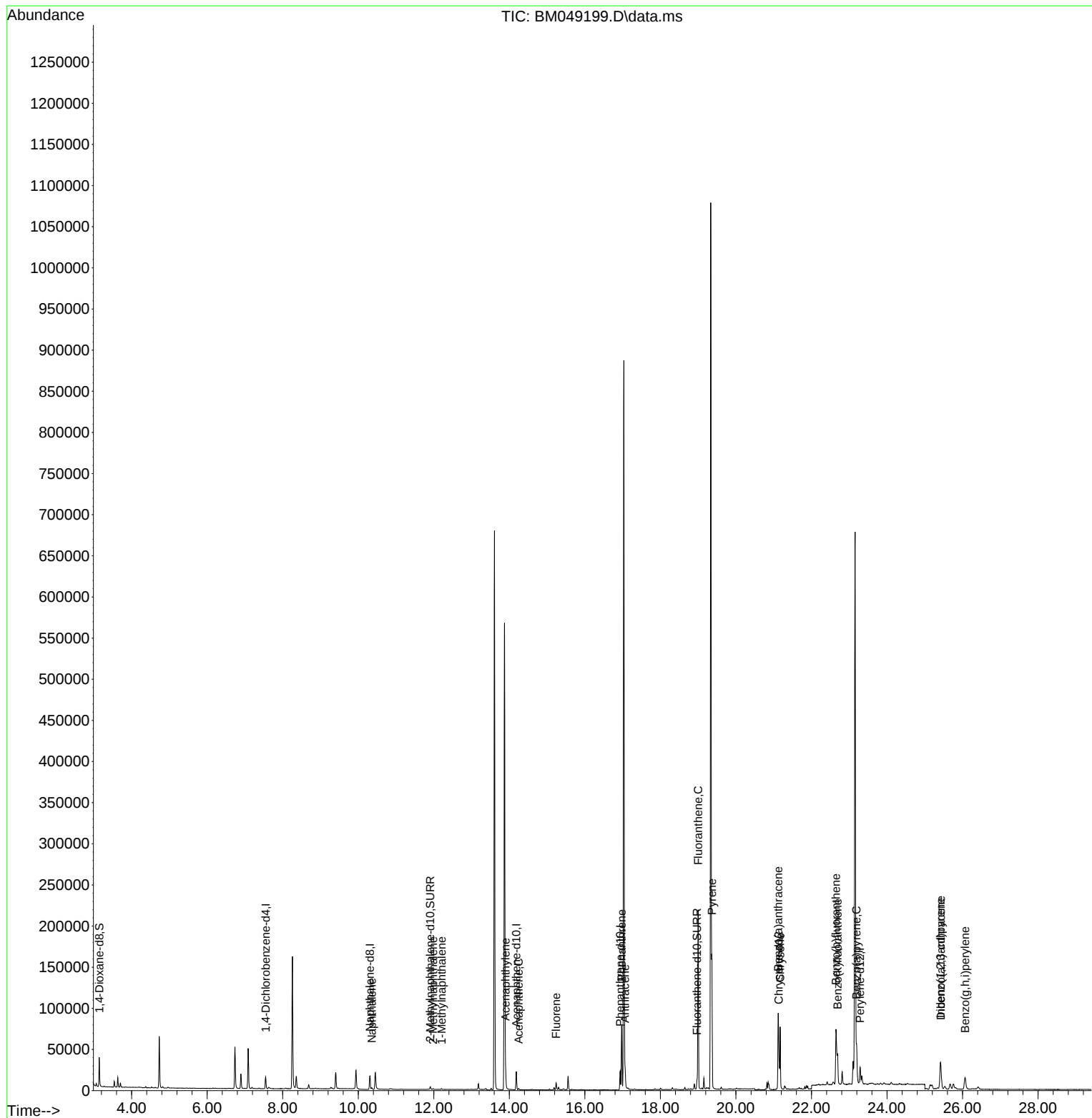
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122324\  
Data File : BM049199.D  
Acq On : 25 Dec 2024 00:14  
Operator : RC/JU  
Sample : P5302-07  
Misc :  
ALS Vial : 64 Sample Multiplier: 1

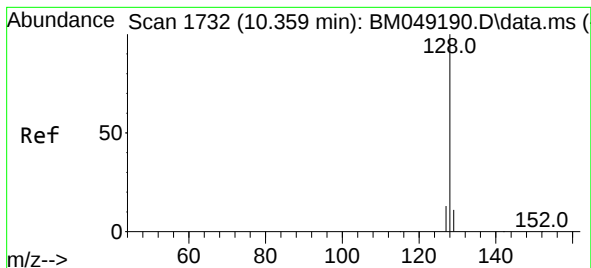
Instrument :  
BNA\_M  
ClientSampleId :  
E2AS0

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/26/2024  
Supervised By :mohammad ahmed 12/26/2024

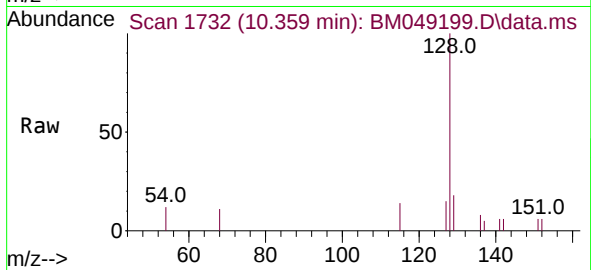
Quant Time: Dec 25 00:52:14 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 18 15:33:13 2024  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.050 ng/ul  
RT: 10.359 min Scan# 1732  
Delta R.T. -0.021 min  
Lab File: BM049199.D  
Acq: 25 Dec 2024 00:14

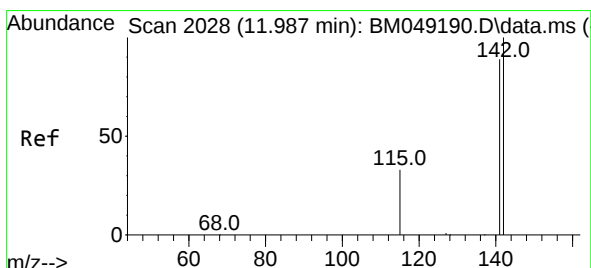
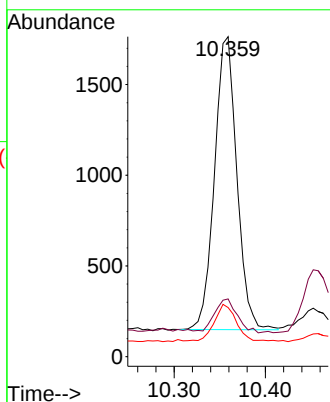
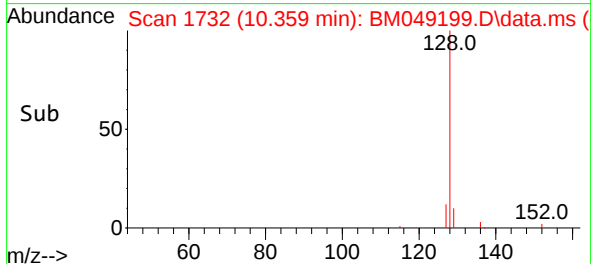
Instrument :  
BNA\_M  
ClientSampleId :  
E2AS0



Tgt Ion:128 Resp: 2749  
Ion Ratio Lower Upper  
128 100  
129 18.0 9.7 14.5  
127 15.4 10.6 16.0

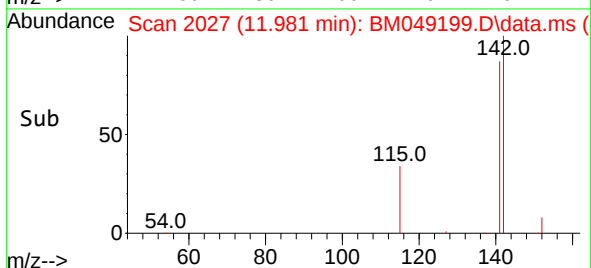
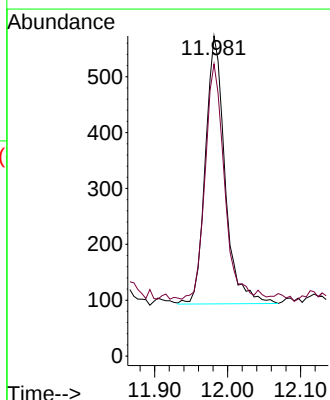
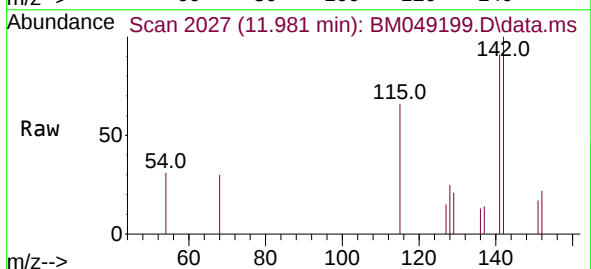
Manual Integrations  
APPROVED

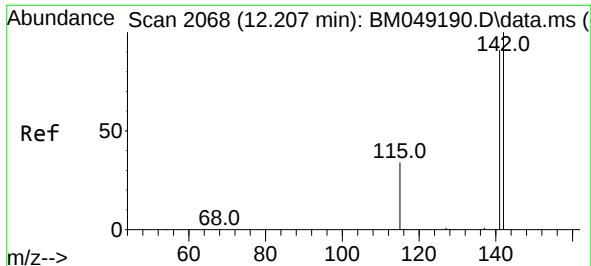
Reviewed By :Yogesh Patel 12/26/2024  
Supervised By :mohammad ahmed 12/26/2024



#7  
2-Methylnaphthalene  
Concen: 0.026 ng/ul  
RT: 11.981 min Scan# 2027  
Delta R.T. -0.021 min  
Lab File: BM049199.D  
Acq: 25 Dec 2024 00:14

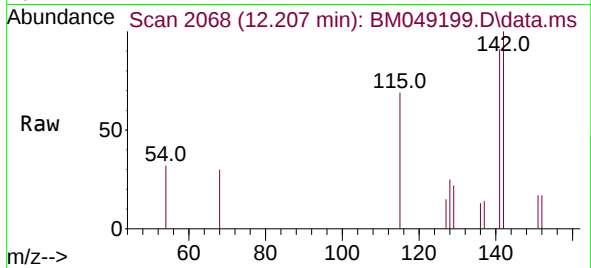
Tgt Ion:142 Resp: 897  
Ion Ratio Lower Upper  
142 100  
141 86.3 71.7 107.5





#8  
1-Methylnaphthalene  
Concen: 0.023 ng/u1  
RT: 12.207 min Scan# 2068  
Delta R.T. -0.015 min  
Lab File: BM049199.D  
Acq: 25 Dec 2024 00:14

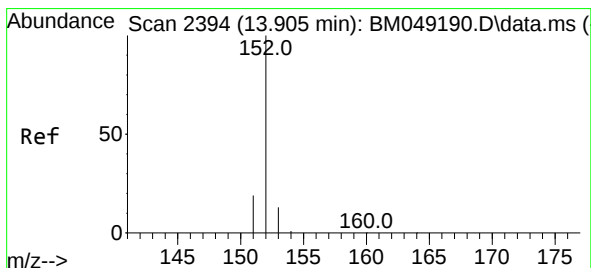
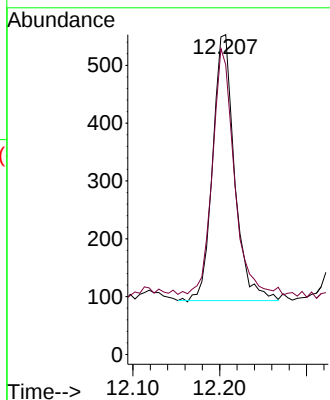
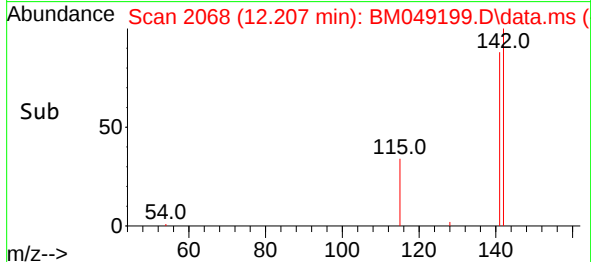
Instrument :  
BNA\_M  
ClientSampleId :  
E2AS0



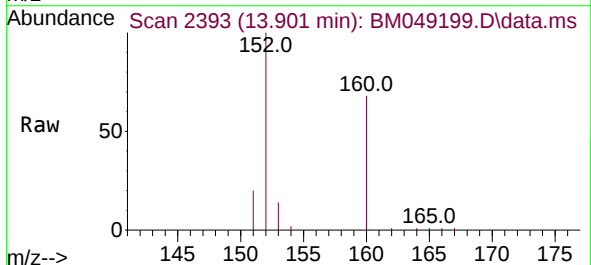
Tgt Ion:142 Resp: 809  
Ion Ratio Lower Upper  
142 100  
141 94.8 72.7 109.1

Manual Integrations  
APPROVED

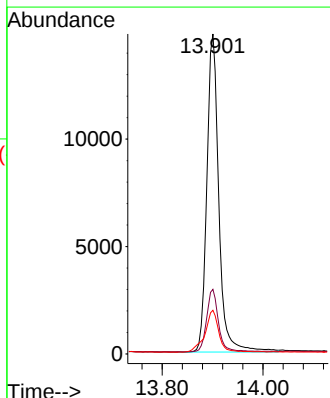
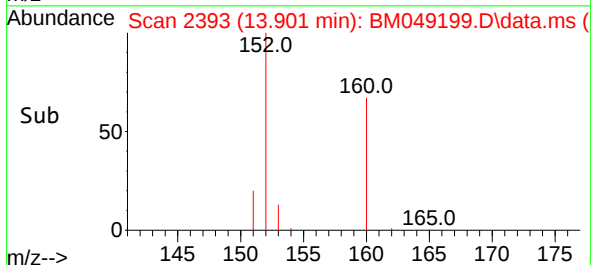
Reviewed By :Yogesh Patel 12/26/2024  
Supervised By :mohammad ahmed 12/26/2024

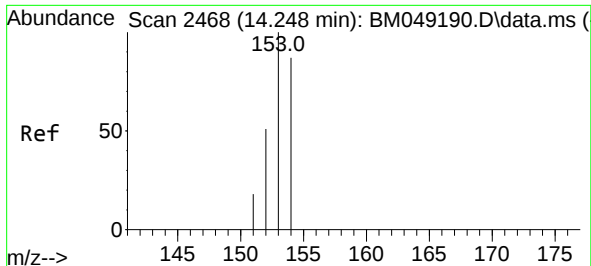


#10  
Acenaphthylene  
Concen: 0.488 ng/u1  
RT: 13.901 min Scan# 2393  
Delta R.T. -0.017 min  
Lab File: BM049199.D  
Acq: 25 Dec 2024 00:14



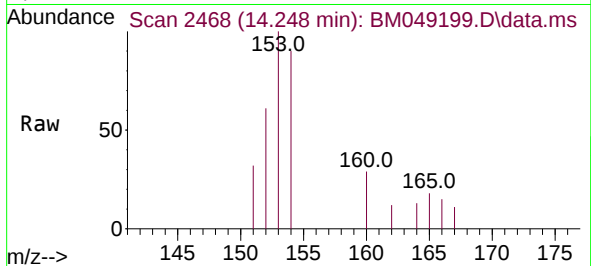
Tgt Ion:152 Resp: 24462  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.0 24.0  
153 13.6 11.0 16.6





#11  
Acenaphthene  
Concen: 0.028 ng/ul  
RT: 14.248 min Scan# 2468  
Delta R.T. -0.017 min  
Lab File: BM049199.D  
Acq: 25 Dec 2024 00:14

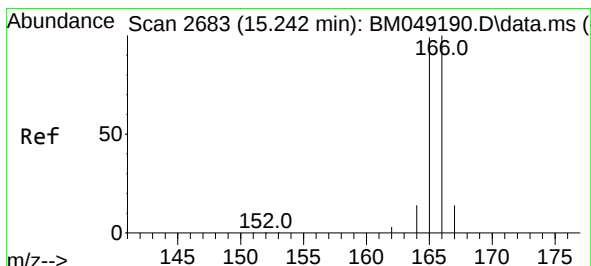
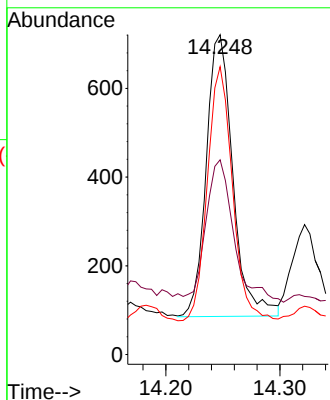
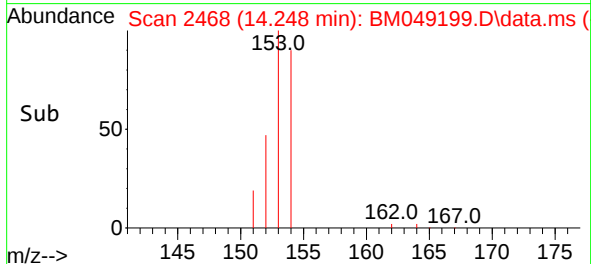
Instrument :  
BNA\_M  
ClientSampleId :  
E2AS0



Tgt Ion:153 Resp: 1030  
Ion Ratio Lower Upper  
153 100  
152 60.9 40.7 61.1  
154 90.0 70.8 106.2

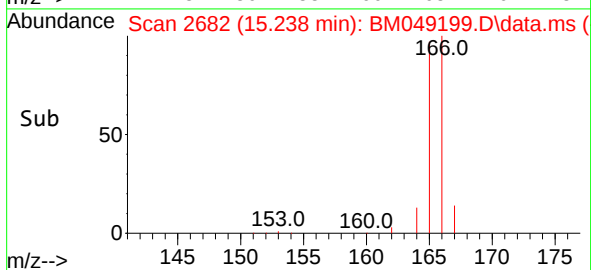
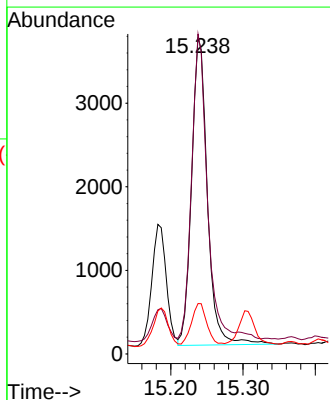
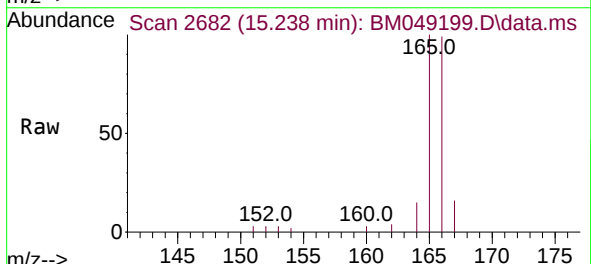
Manual Integrations  
APPROVED

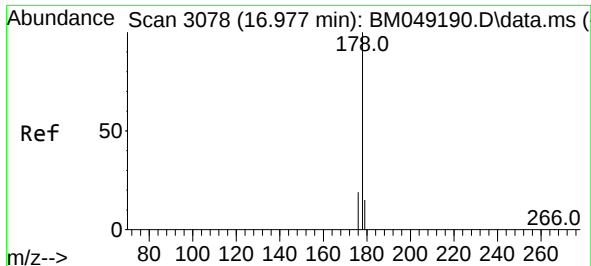
Reviewed By :Yogesh Patel 12/26/2024  
Supervised By :mohammad ahmed 12/26/2024



#12  
Fluorene  
Concen: 0.136 ng/ul  
RT: 15.238 min Scan# 2682  
Delta R.T. -0.017 min  
Lab File: BM049199.D  
Acq: 25 Dec 2024 00:14

Tgt Ion:166 Resp: 5612  
Ion Ratio Lower Upper  
166 100  
165 101.1 79.7 119.5  
167 15.9 11.4 17.0





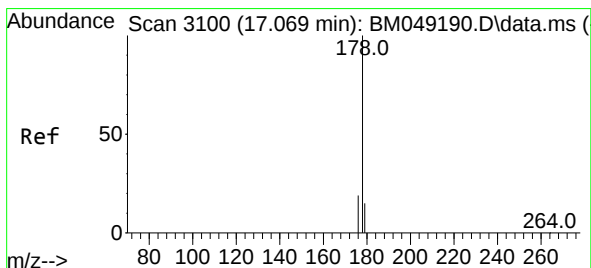
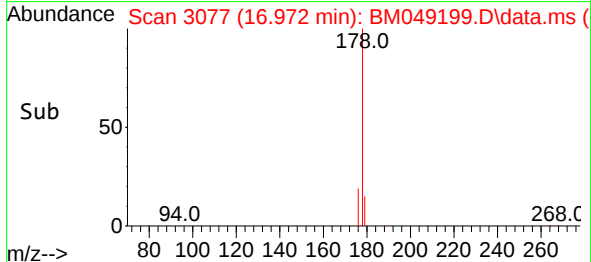
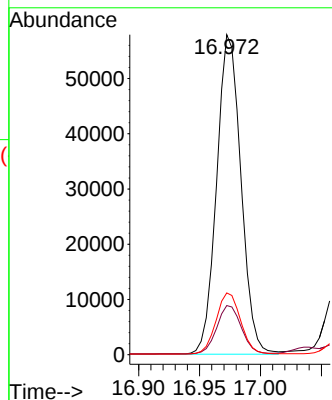
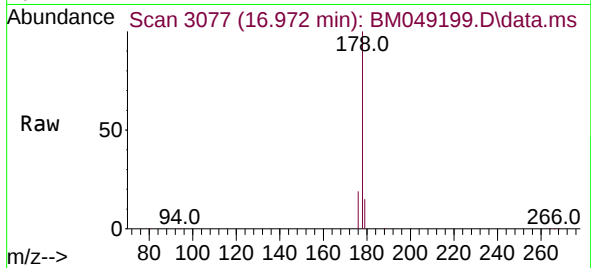
#15  
Phenanthrene  
Concen: 1.142 ng/ul m  
RT: 16.972 min Scan# 3078  
Delta R.T. -0.020 min  
Lab File: BM049199.D  
Acq: 25 Dec 2024 00:14

Instrument :  
BNA\_M  
ClientSampleId :  
E2AS0

Tgt Ion:178 Resp: 8041  
Ion Ratio Lower Upper  
178 100  
179 15.3 13.0 19.4  
176 19.3 16.2 24.2

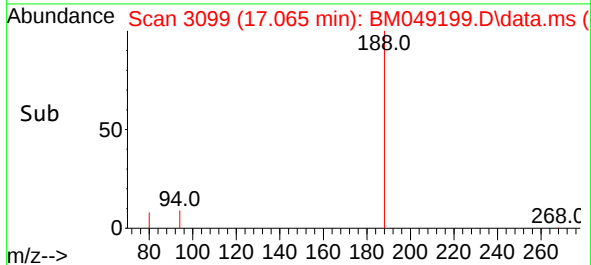
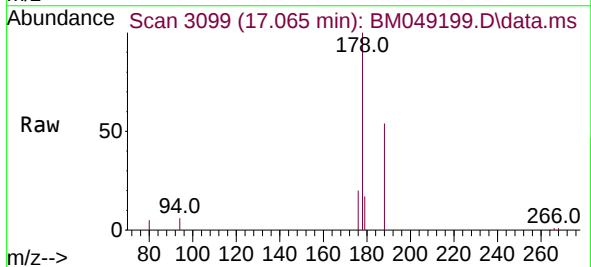
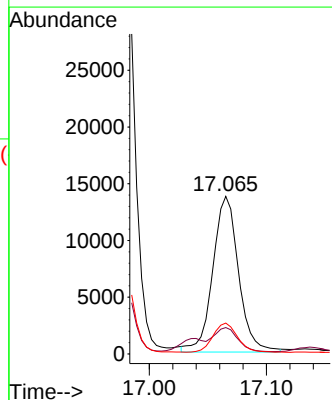
Manual Integrations  
APPROVED

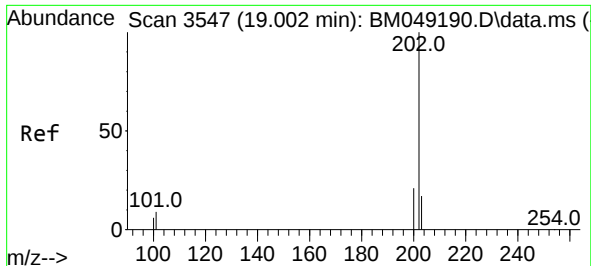
Reviewed By :Yogesh Patel 12/26/2024  
Supervised By :mohammad ahmed 12/26/2024



#16  
Anthracene  
Concen: 0.325 ng/ul m  
RT: 17.065 min Scan# 3099  
Delta R.T. -0.020 min  
Lab File: BM049199.D  
Acq: 25 Dec 2024 00:14

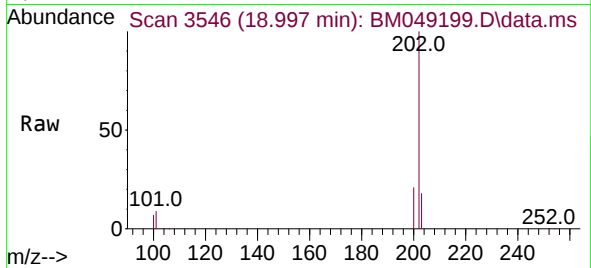
Tgt Ion:178 Resp: 21028  
Ion Ratio Lower Upper  
178 100  
179 16.7 12.9 19.3  
176 19.6 15.3 22.9





#19  
Fluoranthene  
Concen: 2.172 ng/u1  
RT: 18.997 min Scan# 3546  
Delta R.T. -0.017 min  
Lab File: BM049199.D  
Acq: 25 Dec 2024 00:14

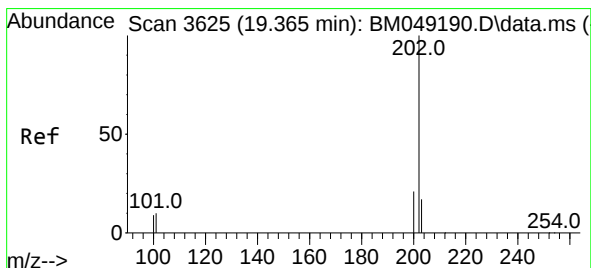
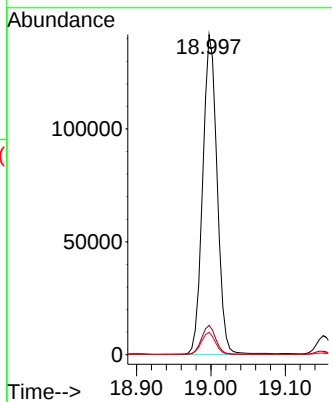
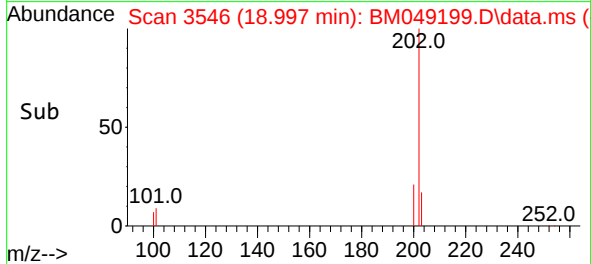
Instrument :  
BNA\_M  
ClientSampleId :  
E2AS0



Tgt Ion:202 Resp: 190463  
Ion Ratio Lower Upper  
202 100  
101 9.2 7.6 11.4  
100 7.0 5.5 8.3

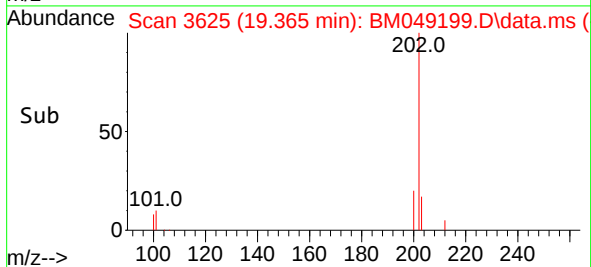
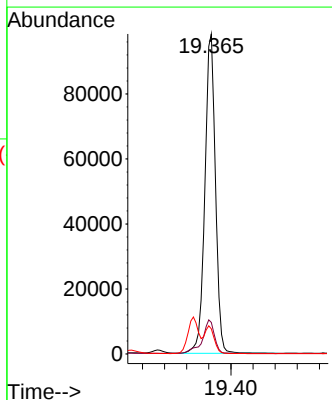
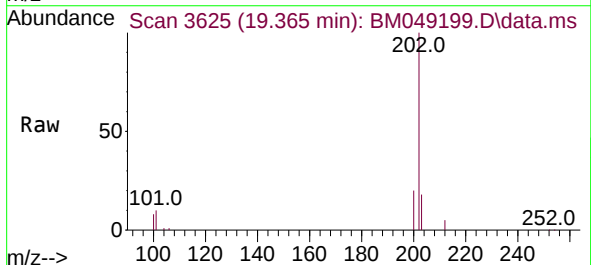
Manual Integrations  
APPROVED

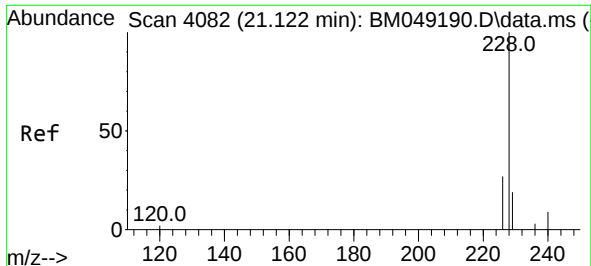
Reviewed By :Yogesh Patel 12/26/2024  
Supervised By :mohammad ahmed 12/26/2024



#20  
Pyrene  
Concen: 1.397 ng/u1  
RT: 19.365 min Scan# 3625  
Delta R.T. -0.013 min  
Lab File: BM049199.D  
Acq: 25 Dec 2024 00:14

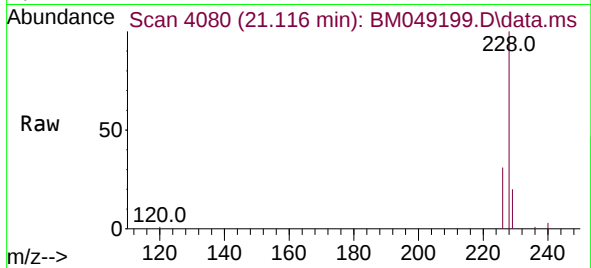
Tgt Ion:202 Resp: 130653  
Ion Ratio Lower Upper  
202 100  
101 9.8 8.9 13.3  
100 7.8 6.9 10.3





#21  
Benzo(a)anthracene  
Concen: 0.890 ng/ul  
RT: 21.116 min Scan# 4082  
Delta R.T. -0.015 min  
Lab File: BM049199.D  
Acq: 25 Dec 2024 00:14

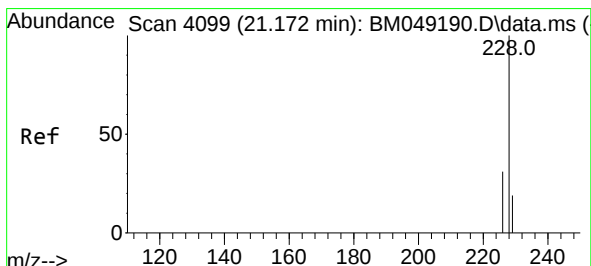
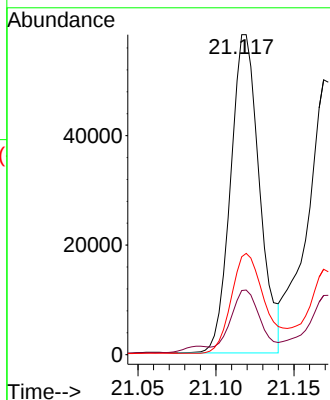
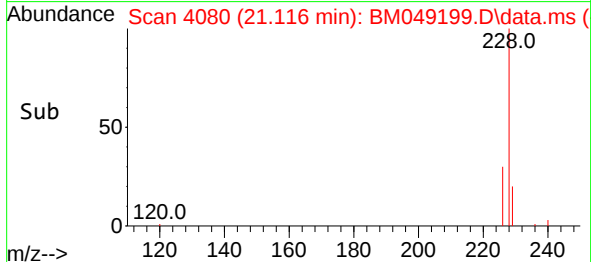
Instrument :  
BNA\_M  
ClientSampleId :  
E2AS0



Tgt Ion:228 Resp: 75060  
Ion Ratio Lower Upper  
228 100  
229 20.1 15.9 23.9  
226 30.6 22.6 34.0

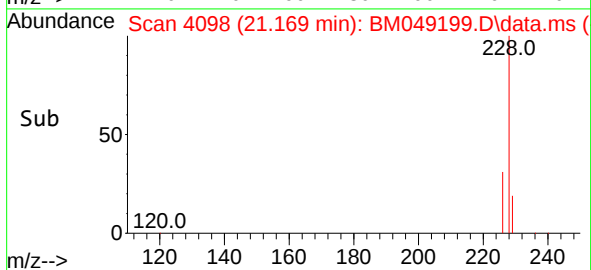
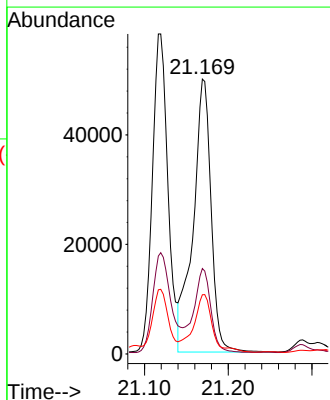
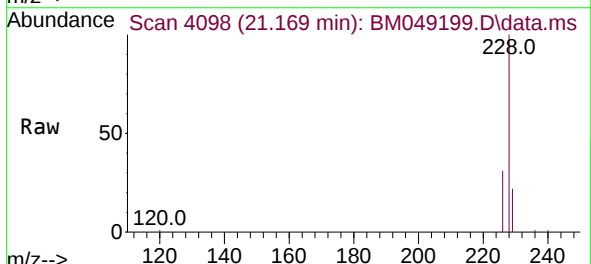
Manual Integrations  
APPROVED

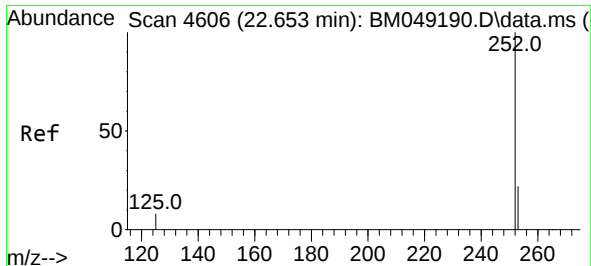
Reviewed By :Yogesh Patel 12/26/2024  
Supervised By :mohammad ahmed 12/26/2024



#22  
Chrysene  
Concen: 0.824 ng/ul  
RT: 21.169 min Scan# 4098  
Delta R.T. -0.015 min  
Lab File: BM049199.D  
Acq: 25 Dec 2024 00:14

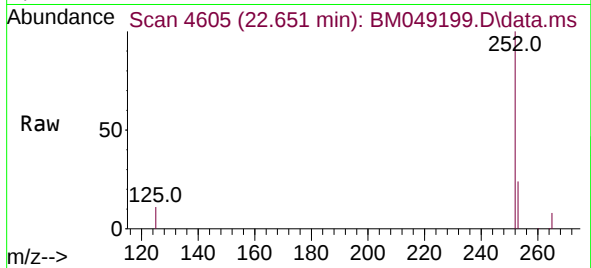
Tgt Ion:228 Resp: 74575  
Ion Ratio Lower Upper  
228 100  
226 31.1 24.1 36.1  
229 21.5 15.8 23.8





#24  
Benzo(b)fluoranthene  
Concen: 1.432 ng/ul m  
RT: 22.651 min Scan# 4605  
Delta R.T. -0.012 min  
Lab File: BM049199.D  
Acq: 25 Dec 2024 00:14

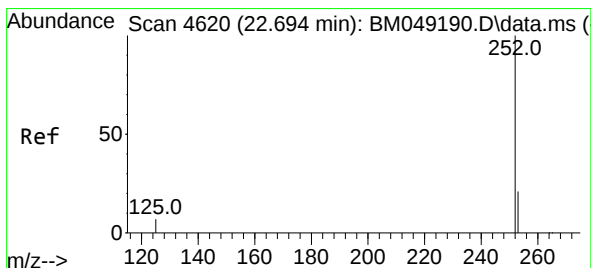
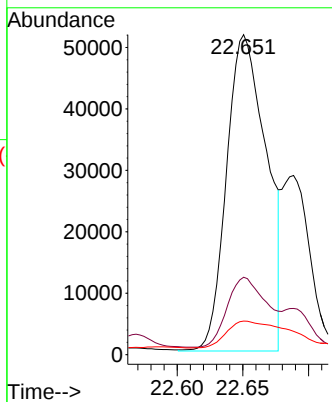
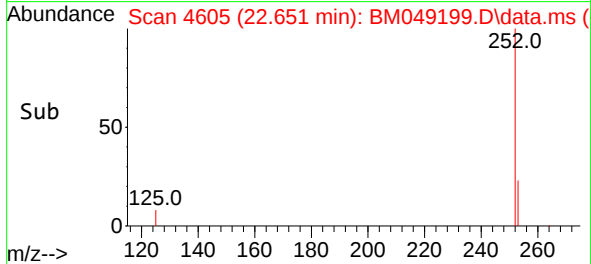
Instrument :  
BNA\_M  
ClientSampleId :  
E2AS0



Tgt Ion:252 Resp: 10852  
Ion Ratio Lower Upper  
252 100  
253 24.2 0.0 52.6  
125 10.5 0.0 30.8

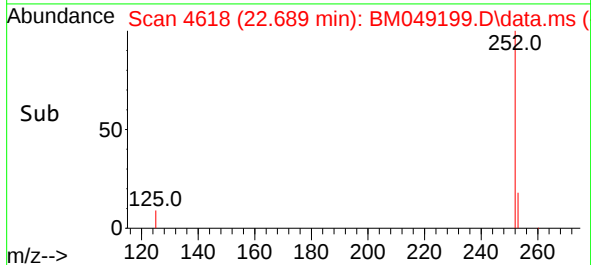
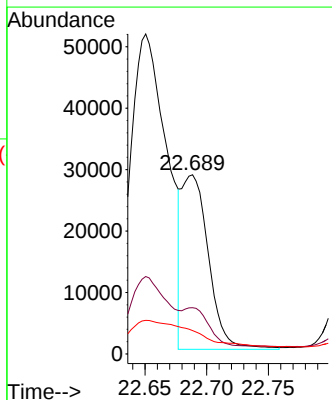
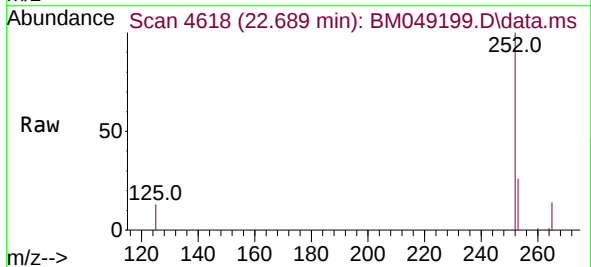
Manual Integrations  
APPROVED

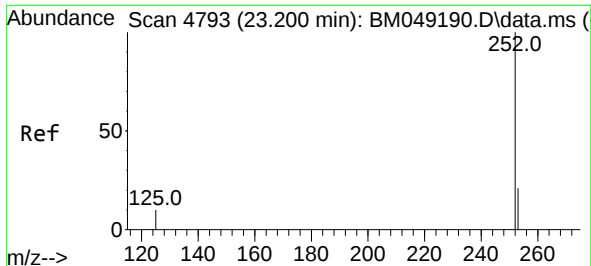
Reviewed By :Yogesh Patel 12/26/2024  
Supervised By :mohammad ahmed 12/26/2024



#25  
Benzo(k)fluoranthene  
Concen: 0.516 ng/ul m  
RT: 22.689 min Scan# 4618  
Delta R.T. -0.018 min  
Lab File: BM049199.D  
Acq: 25 Dec 2024 00:14

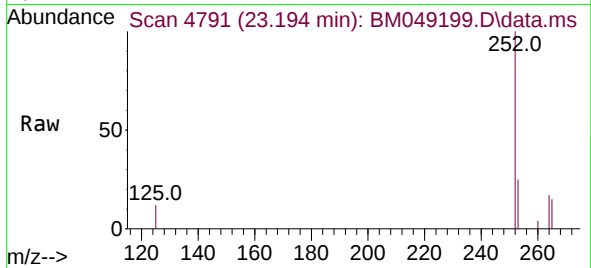
Tgt Ion:252 Resp: 42922  
Ion Ratio Lower Upper  
252 100  
253 25.8 21.3 31.9  
125 13.0 12.6 18.8





#26  
Benzo(a)pyrene  
Concen: 0.769 ng/ul m  
RT: 23.194 min Scan# 4791  
Delta R.T. -0.015 min  
Lab File: BM049199.D  
Acq: 25 Dec 2024 00:14

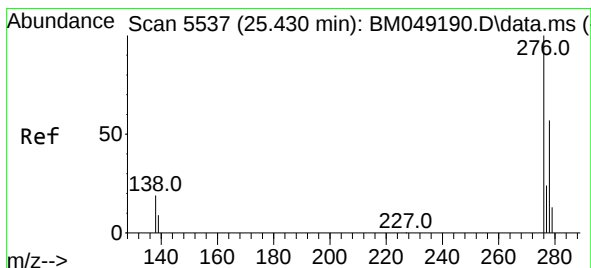
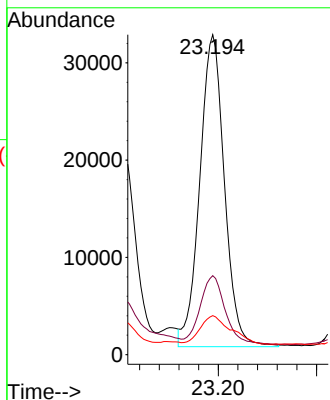
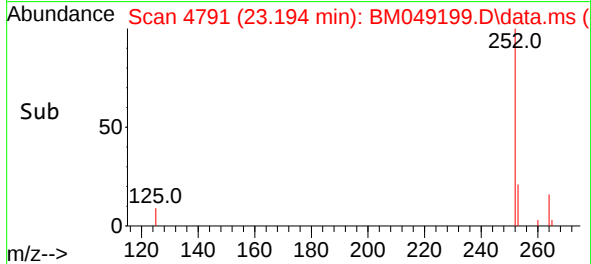
Instrument :  
BNA\_M  
ClientSampleId :  
E2AS0



Tgt Ion:252 Resp: 55900  
Ion Ratio Lower Upper  
252 100  
253 24.7 22.4 33.6  
125 12.2 14.8 22.2

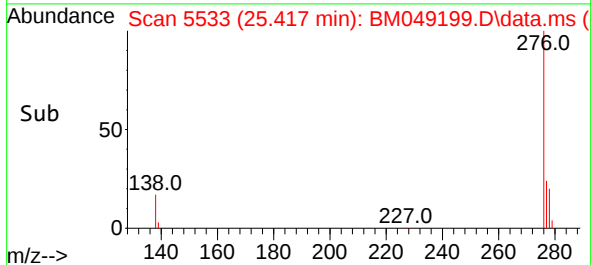
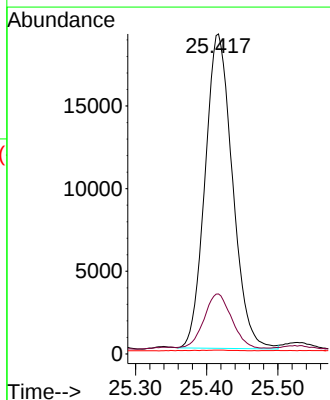
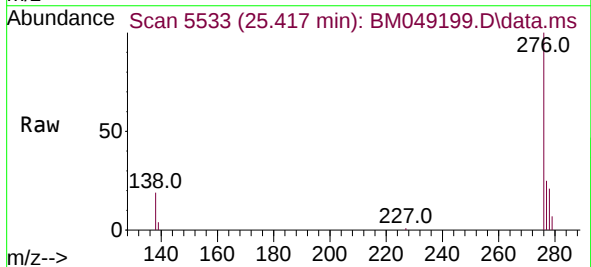
Manual Integrations  
APPROVED

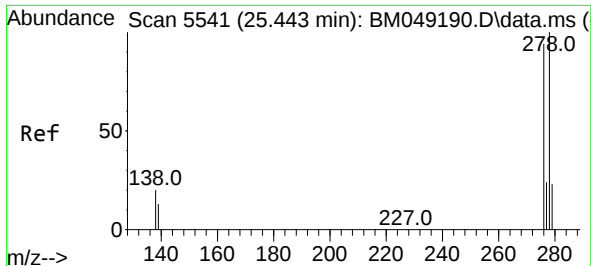
Reviewed By :Yogesh Patel 12/26/2024  
Supervised By :mohammad ahmed 12/26/2024



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.495 ng/ul  
RT: 25.417 min Scan# 5533  
Delta R.T. -0.031 min  
Lab File: BM049199.D  
Acq: 25 Dec 2024 00:14

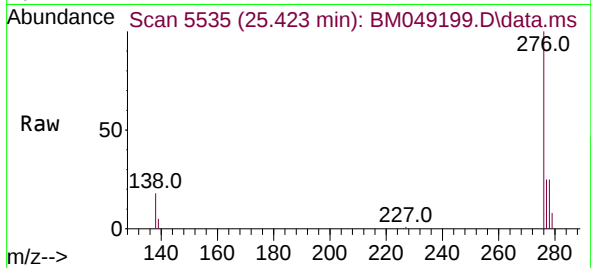
Tgt Ion:276 Resp: 50895  
Ion Ratio Lower Upper  
276 100  
138 18.3 17.4 26.2  
227 0.2 0.2 0.2





#28  
Dibenzo(a,h)anthracene  
Concen: 0.160 ng/ul  
RT: 25.423 min Scan# 51  
Delta R.T. -0.044 min  
Lab File: BM049199.D  
Acq: 25 Dec 2024 00:14

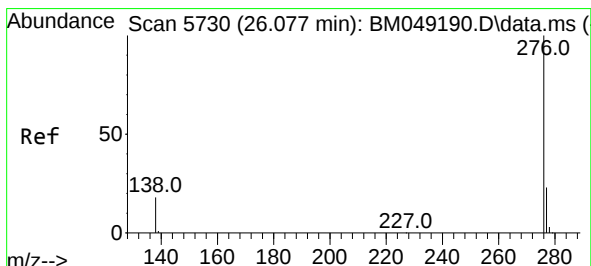
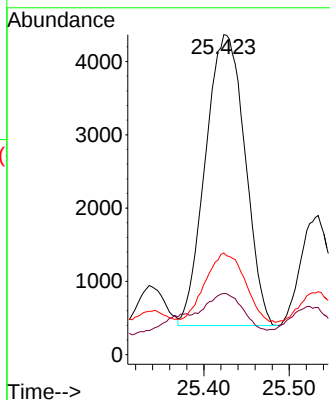
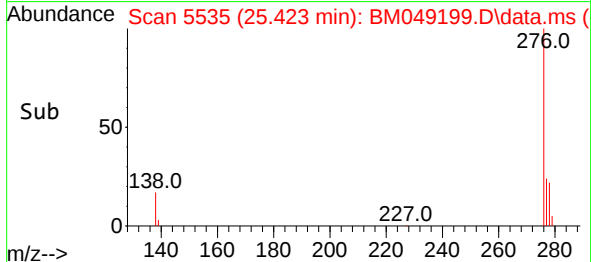
Instrument :  
BNA\_M  
ClientSampleId :  
E2AS0



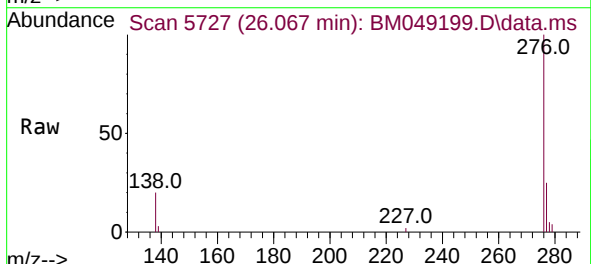
Tgt Ion:278 Resp: 12740  
Ion Ratio Lower Upper  
278 100  
139 19.1 13.5 20.3  
279 31.8 21.5 32.3

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/26/2024  
Supervised By :mohammad ahmed 12/26/2024



#29  
Benzo(g,h,i)perylene  
Concen: 0.359 ng/ul  
RT: 26.067 min Scan# 5727  
Delta R.T. -0.027 min  
Lab File: BM049199.D  
Acq: 25 Dec 2024 00:14



Tgt Ion:276 Resp: 29664  
Ion Ratio Lower Upper  
276 100  
138 19.9 16.7 25.1  
277 25.4 19.9 29.9

