

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080223\  
 Data File : BM041248.D  
 Acq On : 02 Aug 2023 17:07  
 Operator : MA/JU  
 Sample : 03810-10  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 WC-01

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/03/2023  
 Supervised By :mohammad ahmed 08/03/2023

Quant Time: Aug 03 03:08:40 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM072823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 02 19:20:51 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.798  | 152  | 197026   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.604 | 136  | 841797   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.463 | 164  | 547560   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.227 | 188  | 1172376  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.427 | 240  | 802353   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.803 | 264  | 834999   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.369  | 112  | 1124918  | 85.333  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.987  | 99   | 1527686  | 89.402  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.975  | 82   | 985997   | 54.471  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.968 | 330  | 776987   | 100.322 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.080 | 172  | 2385928  | 55.045  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.862 | 244  | 3530498  | 79.558  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 75) Fluoranthene              | 19.292 | 202  | 267939   | 3.661   | ng    | 99       |
| 78) Pyrene                    | 19.656 | 202  | 402315   | 7.170   | ng    | 100      |
| 81) Benzo(a)anthracene        | 21.409 | 228  | 172497   | 3.171   | ng    | 97       |
| 83) Chrysene                  | 21.462 | 228  | 184138   | 3.500   | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.333 | 149  | 66633    | 4.479   | ng    | # 96     |
| 88) Benzo(b)fluoranthene      | 23.080 | 252  | 169405m  | 3.415   | ng    |          |
| 90) Benzo(a)pyrene            | 23.691 | 252  | 147786   | 3.101   | ng    | # 95     |
| 92) Benzo(g,h,i)perylene      | 27.003 | 276  | 103338   | 2.063   | ng    | 97       |
| -----                         |        |      |          |         |       |          |

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

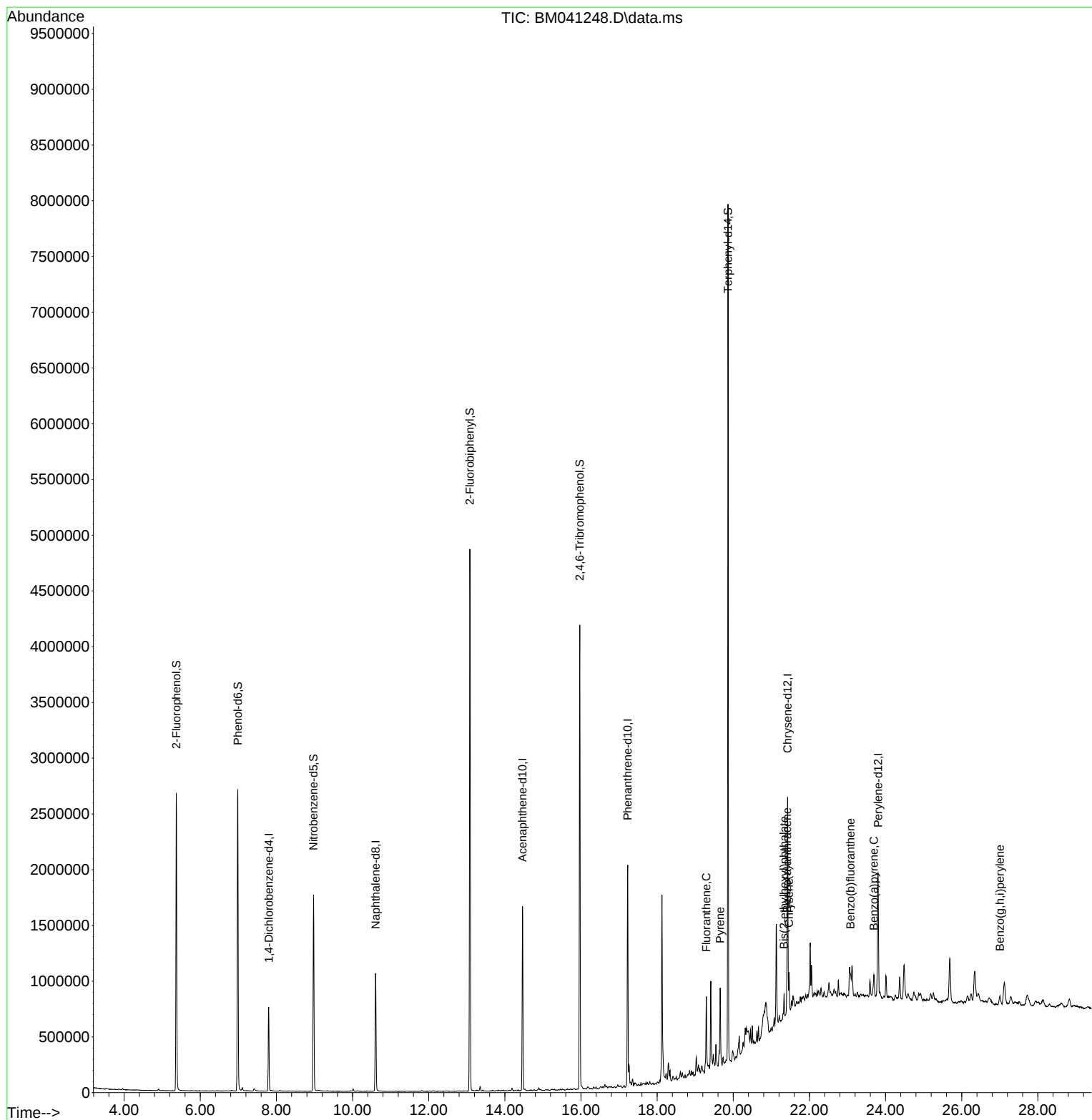
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080223\  
Data File : BM041248.D  
Acq On : 02 Aug 2023 17:07  
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Sample : 03810-10  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

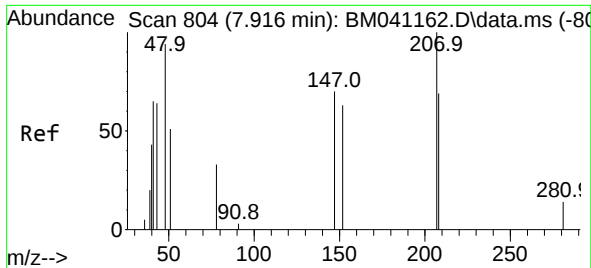
Instrument :  
BNA\_M  
ClientSampleId :  
WC-01

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/03/2023  
Supervised By :mohammad ahmed 08/03/2023

Quant Time: Aug 03 03:08:40 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM072823.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 02 19:20:51 2023  
Response via : Initial Calibration





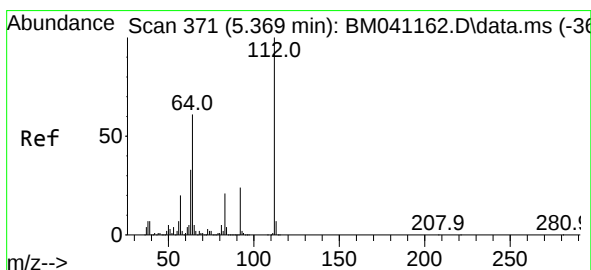
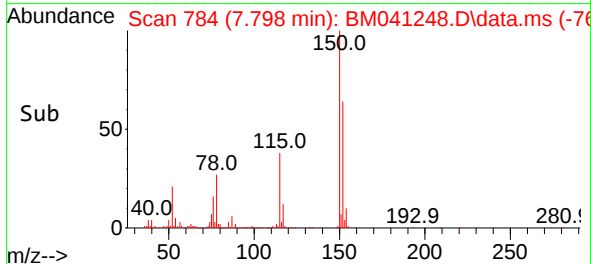
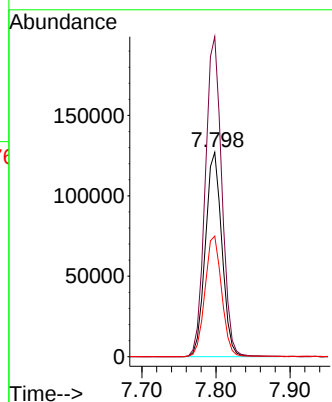
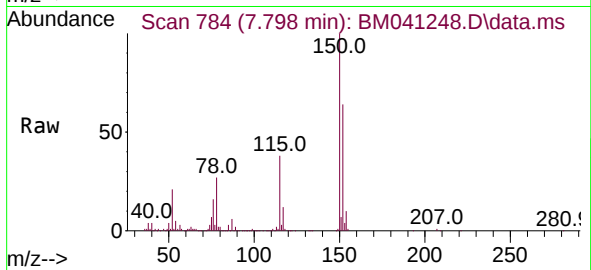
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.798 min Scan# 71  
Delta R.T. 0.005 min  
Lab File: BM041248.D  
Acq: 02 Aug 2023 17:07

Instrument :  
BNA\_M  
ClientSampleId :  
WC-01

Tgt Ion:152 Resp: 197020  
Ion Ratio Lower Upper  
152 100  
150 156.6 125.5 188.3  
115 59.0 48.0 72.0

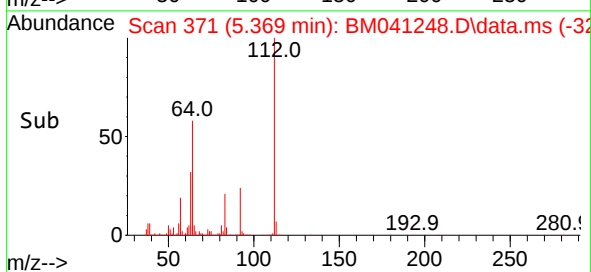
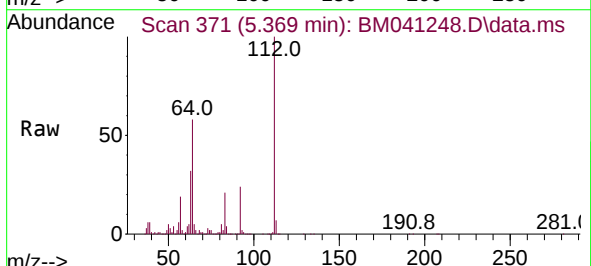
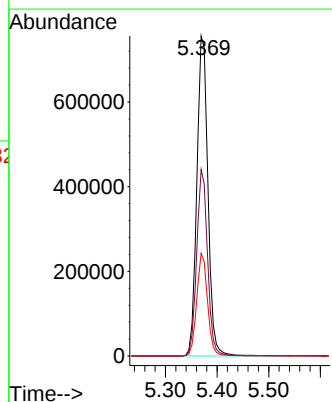
Manual Integrations  
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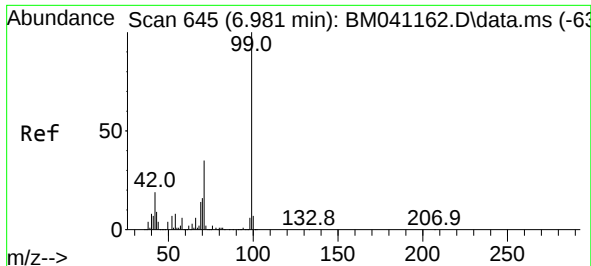
Reviewed By :Yogesh Patel 08/03/2023  
Supervised By :mohammad ahmed 08/03/2023



#5  
2-Fluorophenol  
Concen: 85.333 ng  
RT: 5.369 min Scan# 371  
Delta R.T. -0.000 min  
Lab File: BM041248.D  
Acq: 02 Aug 2023 17:07

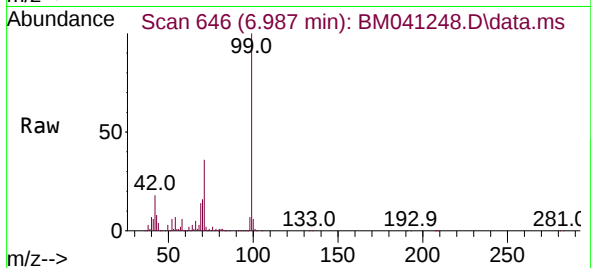
Tgt Ion:112 Resp: 1124918  
Ion Ratio Lower Upper  
112 100  
64 58.3 48.5 72.7  
63 32.1 26.5 39.7





#7  
Phenol-d6  
Concen: 89.402 ng  
RT: 6.987 min Scan# 645  
Delta R.T. 0.006 min  
Lab File: BM041248.D  
Acq: 02 Aug 2023 17:07

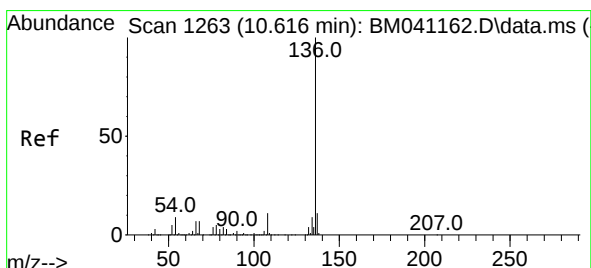
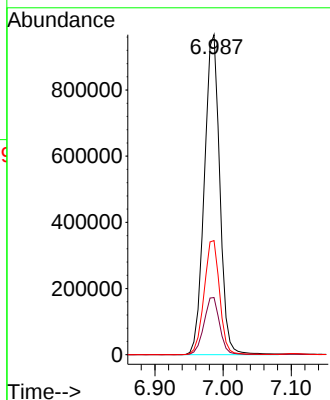
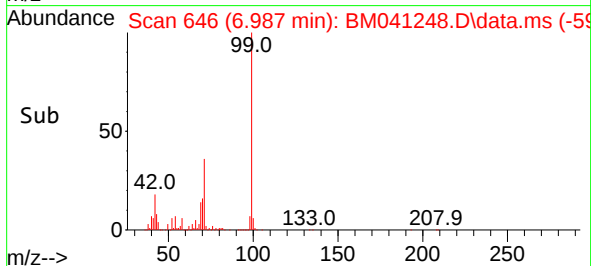
Instrument :  
BNA\_M  
ClientSampleId :  
WC-01



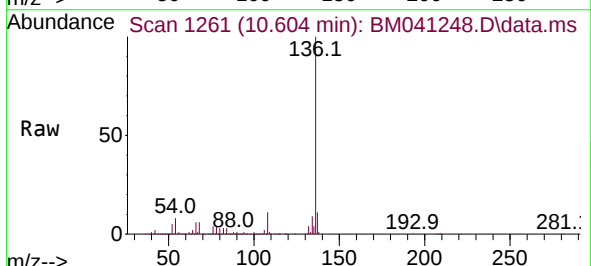
Tgt Ion: 99 Resp: 152768  
Ion Ratio Lower Upper  
99 100  
42 17.8 15.4 23.0  
71 35.7 28.2 42.4

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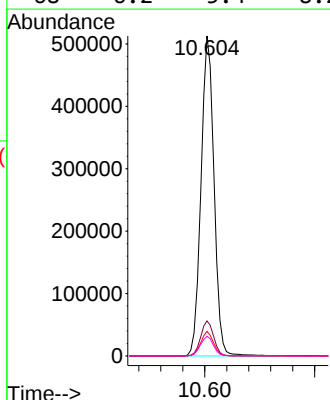
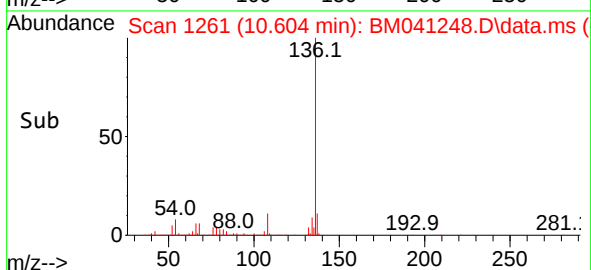
Reviewed By :Yogesh Patel 08/03/2023  
Supervised By :mohammad ahmed 08/03/2023

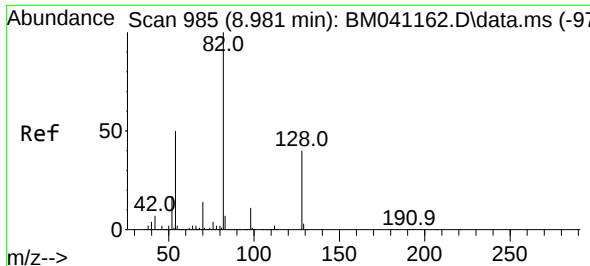


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.604 min Scan# 1261  
Delta R.T. -0.000 min  
Lab File: BM041248.D  
Acq: 02 Aug 2023 17:07



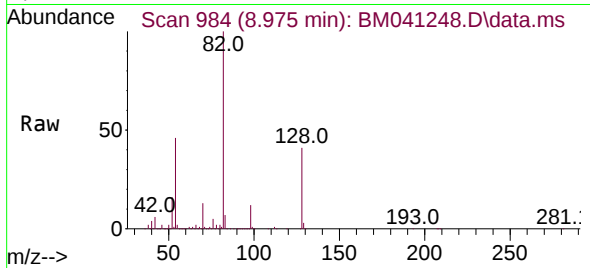
Tgt Ion:136 Resp: 841797  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.8 13.2  
54 7.7 6.9 10.3  
68 6.2 5.4 8.2





#23  
Nitrobenzene-d5  
Concen: 54.471 ng  
RT: 8.975 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BM041248.D  
Acq: 02 Aug 2023 17:07

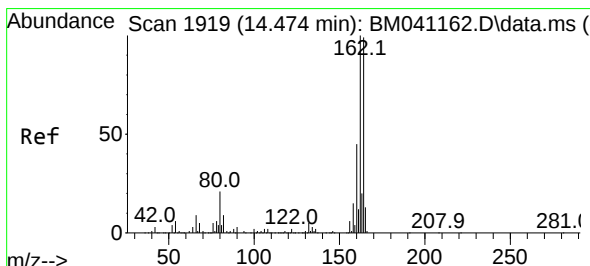
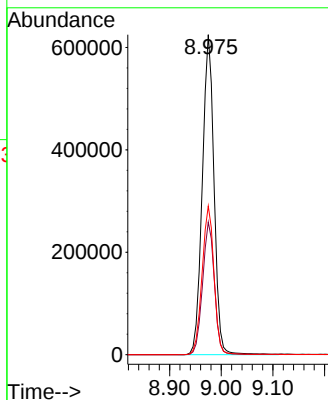
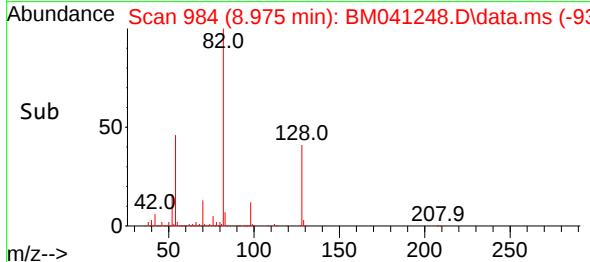
Instrument :  
BNA\_M  
ClientSampleId :  
WC-01



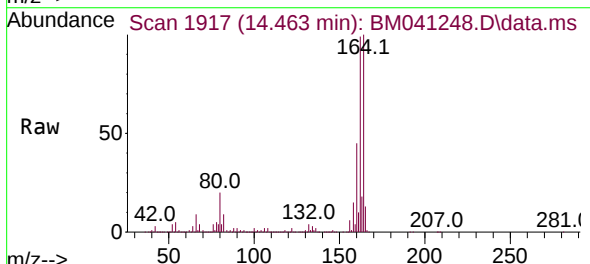
Tgt Ion: 82 Resp: 98599  
Ion Ratio Lower Upper  
82 100  
128 41.5 31.8 47.6  
54 46.5 40.1 60.1

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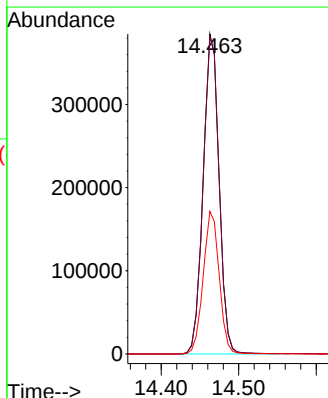
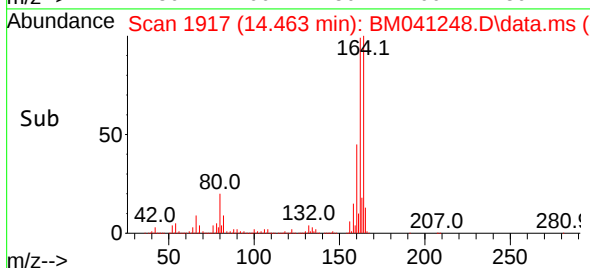
Reviewed By :Yogesh Patel 08/03/2023  
Supervised By :mohammad ahmed 08/03/2023

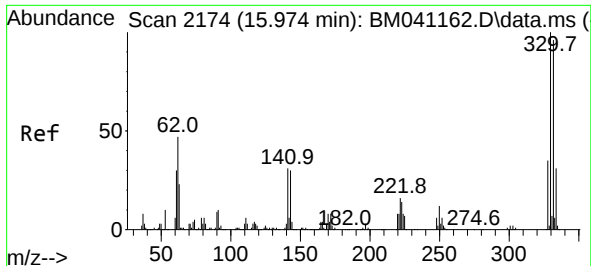


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.463 min Scan# 1917  
Delta R.T. -0.000 min  
Lab File: BM041248.D  
Acq: 02 Aug 2023 17:07



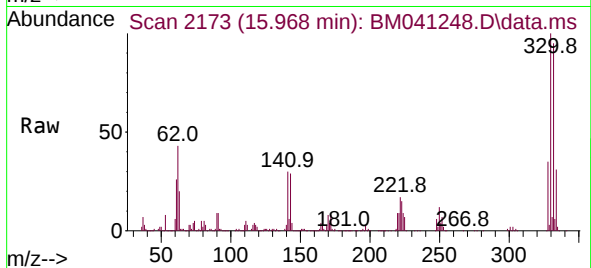
Tgt Ion:164 Resp: 547560  
Ion Ratio Lower Upper  
164 100  
162 99.2 80.4 120.6  
160 44.6 36.2 54.2





#42  
2,4,6-Tribromophenol  
Concen: 100.322 ng  
RT: 15.968 min Scan# 2173  
Delta R.T. -0.000 min  
Lab File: BM041248.D  
Acq: 02 Aug 2023 17:07

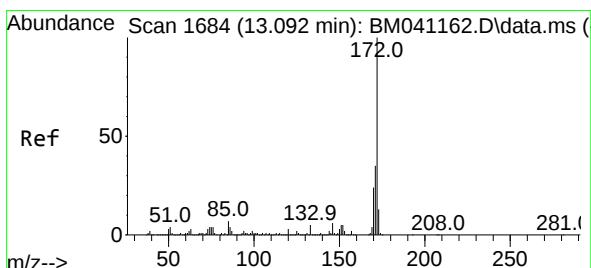
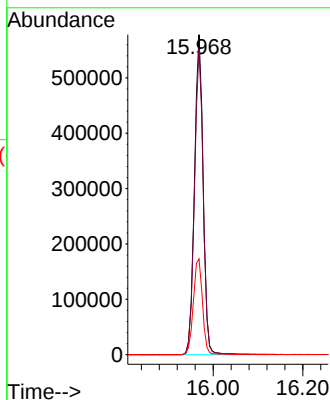
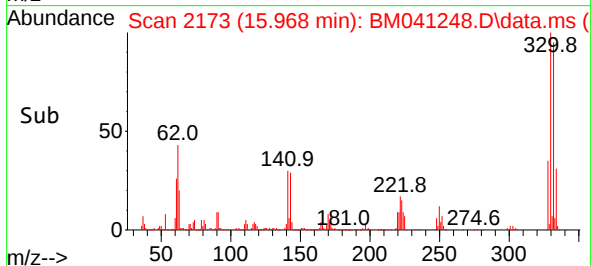
Instrument :  
BNA\_M  
ClientSampleId :  
WC-01



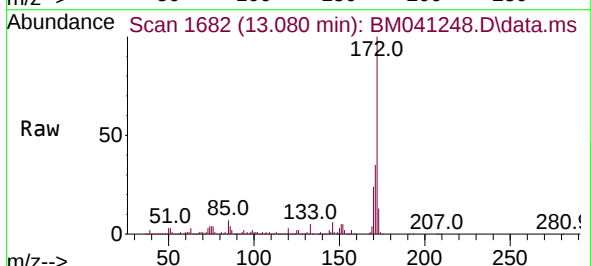
Tgt Ion:330 Resp: 77698  
Ion Ratio Lower Upper  
330 100  
332 95.8 77.7 116.5  
141 31.3 28.3 42.5

Manual Integrations  
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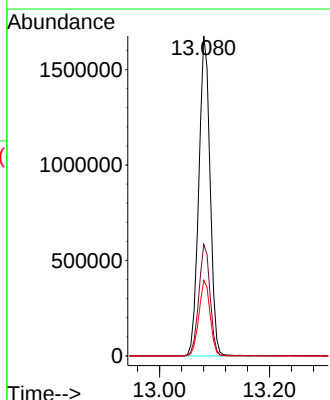
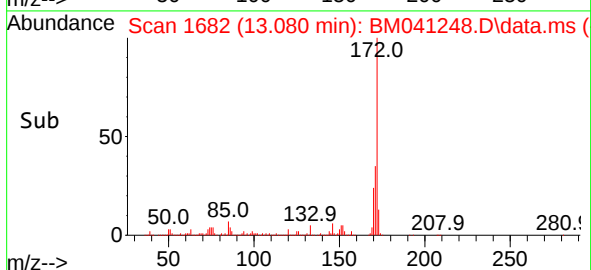
Reviewed By :Yogesh Patel 08/03/2023  
Supervised By :mohammad ahmed 08/03/2023

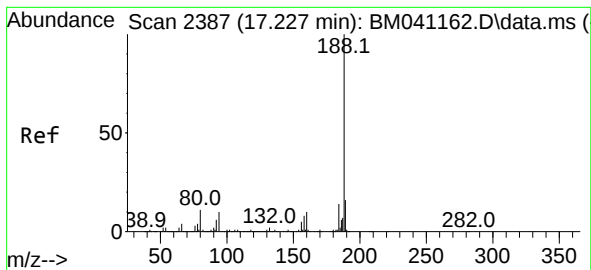


#45  
2-Fluorobiphenyl  
Concen: 55.045 ng  
RT: 13.080 min Scan# 1682  
Delta R.T. -0.000 min  
Lab File: BM041248.D  
Acq: 02 Aug 2023 17:07



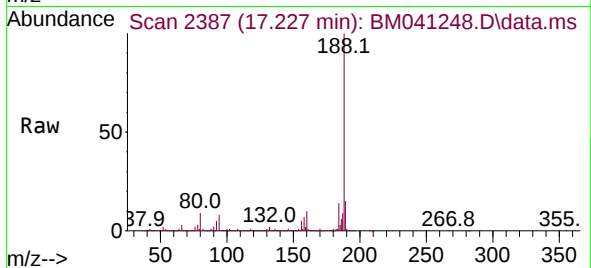
Tgt Ion:172 Resp: 2385928  
Ion Ratio Lower Upper  
172 100  
171 34.9 28.1 42.1  
170 23.6 18.9 28.3





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.227 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BM041248.D  
Acq: 02 Aug 2023 17:07

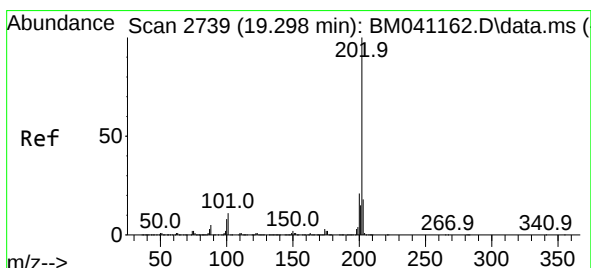
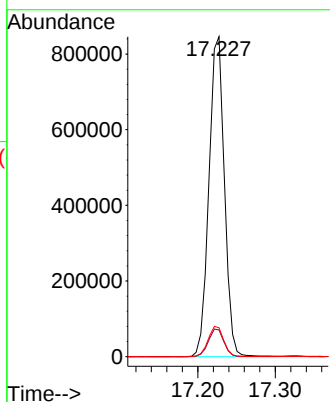
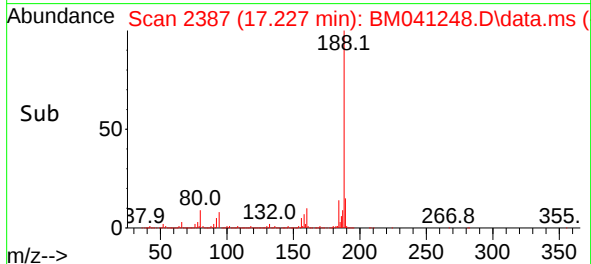
Instrument :  
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ClientSampleId :  
WC-01



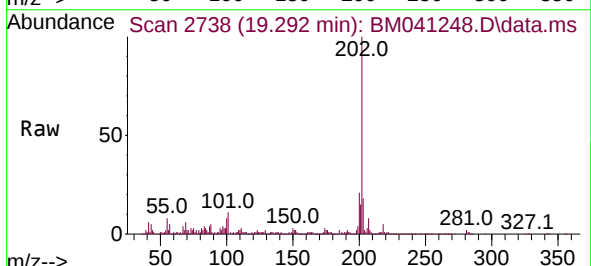
Tgt Ion:188 Resp: 1172370  
Ion Ratio Lower Upper  
188 100  
94 8.4 8.2 12.2  
80 9.0 8.6 13.0

Manual Integrations  
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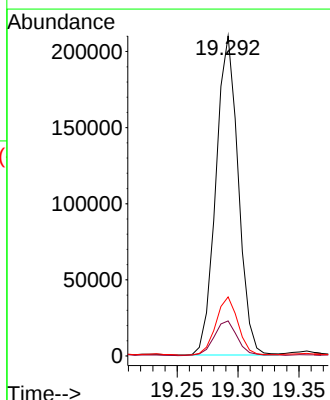
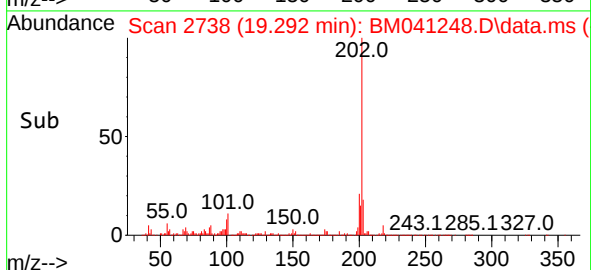
Reviewed By :Yogesh Patel 08/03/2023  
Supervised By :mohammad ahmed 08/03/2023

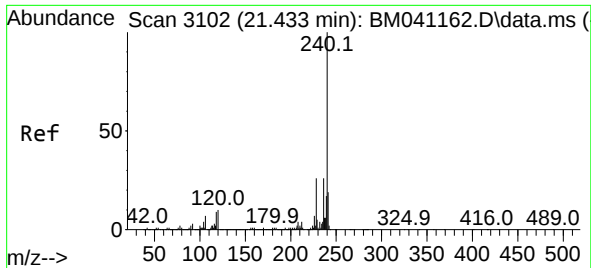


#75  
Fluoranthene  
Concen: 3.661 ng  
RT: 19.292 min Scan# 2738  
Delta R.T. -0.000 min  
Lab File: BM041248.D  
Acq: 02 Aug 2023 17:07



Tgt Ion:202 Resp: 267939  
Ion Ratio Lower Upper  
202 100  
101 11.0 0.0 30.8  
203 18.4 0.0 37.6





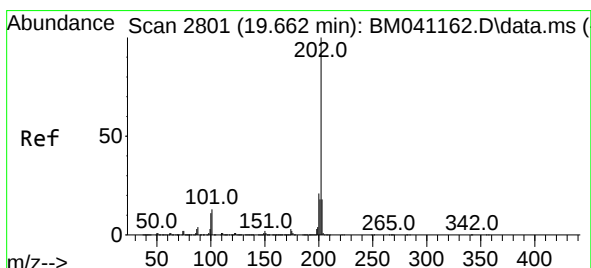
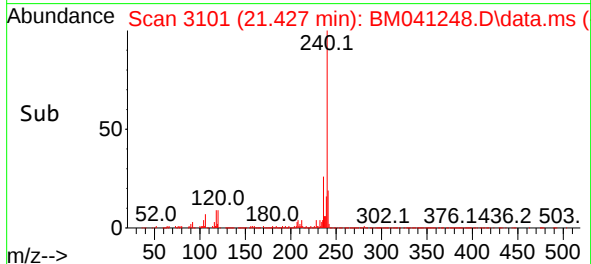
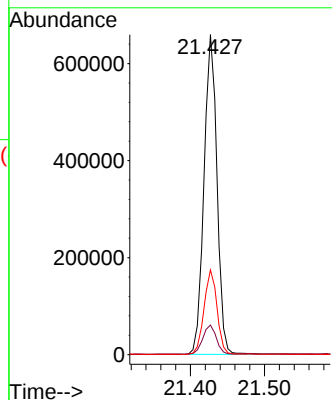
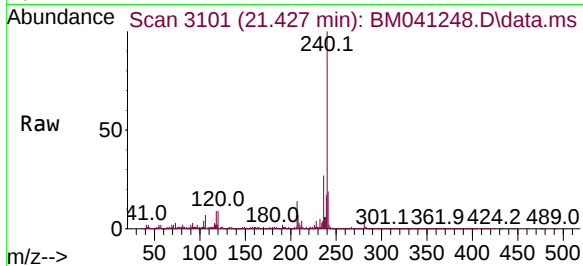
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.427 min Scan# 3102  
Delta R.T. -0.006 min  
Lab File: BM041248.D  
Acq: 02 Aug 2023 17:07

Instrument :  
BNA\_M  
ClientSampleId :  
WC-01

Tgt Ion:240 Resp: 80235  
Ion Ratio Lower Upper  
240 100  
120 9.2 8.3 12.5  
236 26.5 20.6 30.8

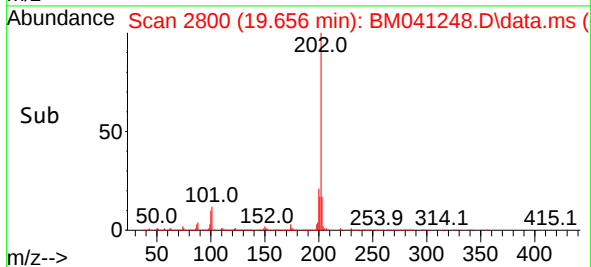
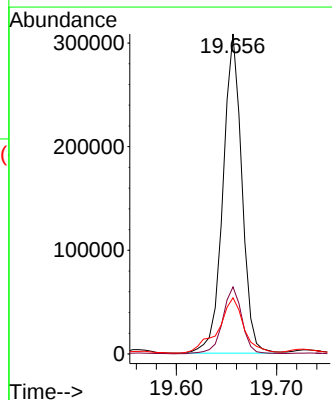
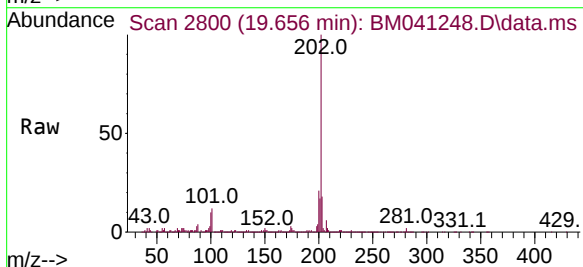
Manual Integrations  
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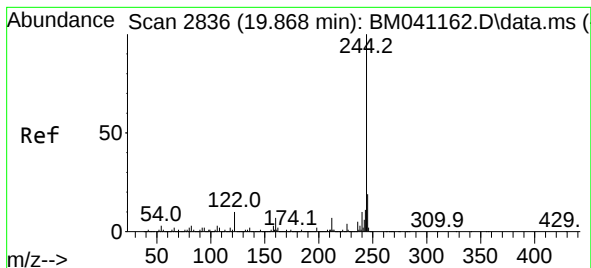
Reviewed By :Yogesh Patel 08/03/2023  
Supervised By :mohammad ahmed 08/03/2023



#78  
Pyrene  
Concen: 7.170 ng  
RT: 19.656 min Scan# 2800  
Delta R.T. -0.000 min  
Lab File: BM041248.D  
Acq: 02 Aug 2023 17:07

Tgt Ion:202 Resp: 402315  
Ion Ratio Lower Upper  
202 100  
200 21.0 16.9 25.3  
203 17.5 14.1 21.1





#79

Terphenyl-d14

Concen: 79.558 ng

RT: 19.862 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM041248.D

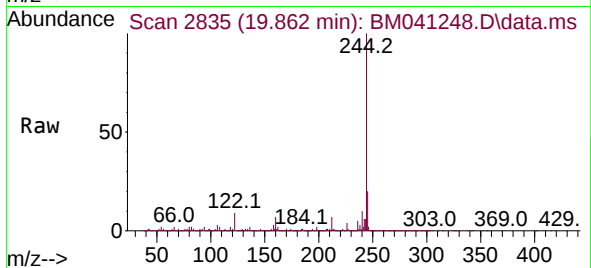
Acq: 02 Aug 2023 17:07

Instrument :

BNA\_M

ClientSampleId :

WC-01



Tgt Ion:244 Resp: 3530498

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

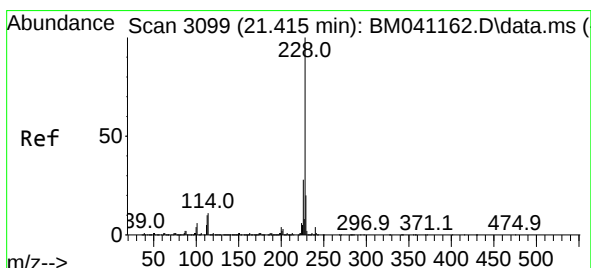
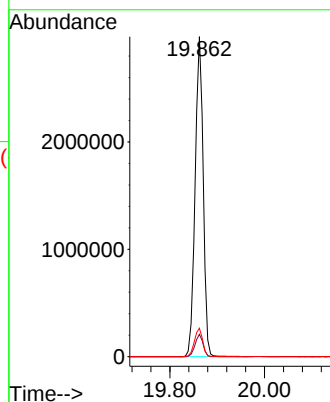
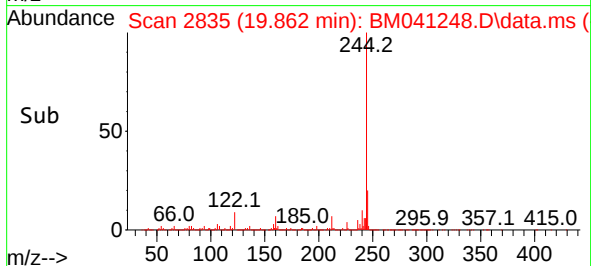
122 8.9 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#81

Benzo(a)anthracene

Concen: 3.171 ng

RT: 21.409 min Scan# 3098

Delta R.T. -0.006 min

Lab File: BM041248.D

Acq: 02 Aug 2023 17:07

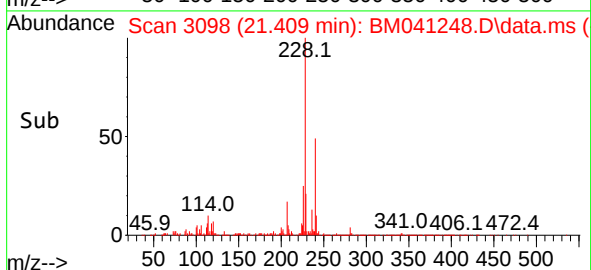
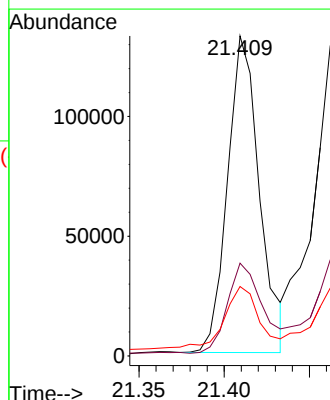
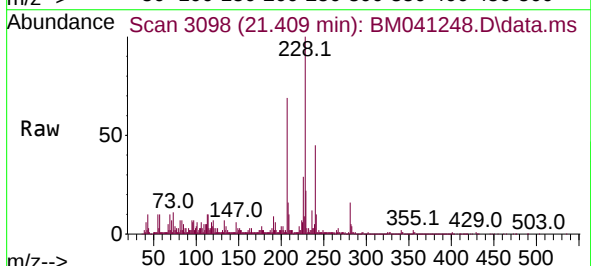
Tgt Ion:228 Resp: 172497

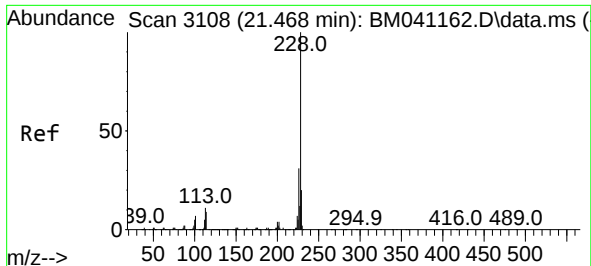
Ion Ratio Lower Upper

228 100

226 29.0 22.4 33.6

229 21.7 15.8 23.8





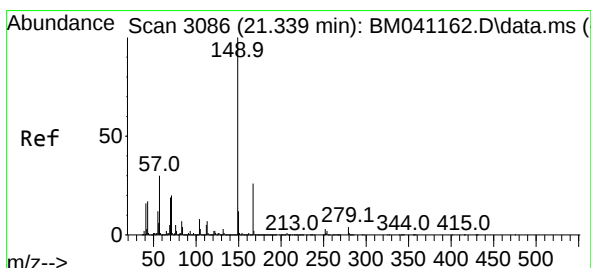
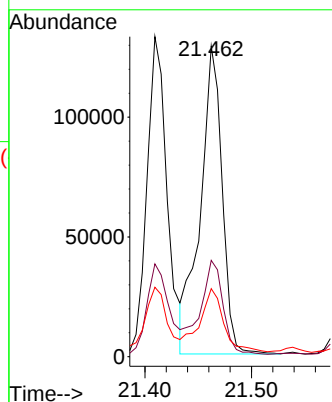
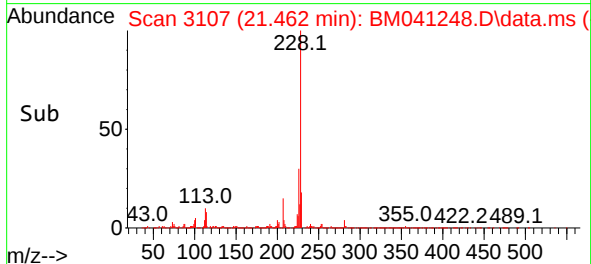
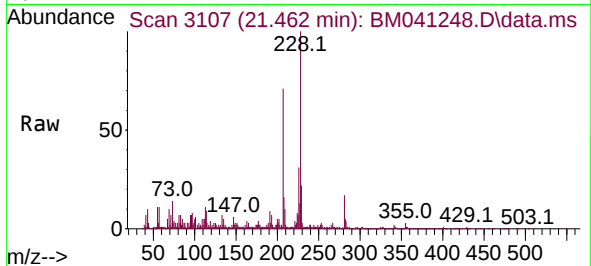
#83  
Chrysene  
Concen: 3.500 ng  
RT: 21.462 min Scan# 3108  
Delta R.T. -0.006 min  
Lab File: BM041248.D  
Acq: 02 Aug 2023 17:07

Instrument :  
BNA\_M  
ClientSampleId :  
WC-01

Tgt Ion:228 Resp: 184138  
Ion Ratio Lower Upper  
228 100  
226 31.0 24.5 36.7  
229 21.9 15.8 23.8

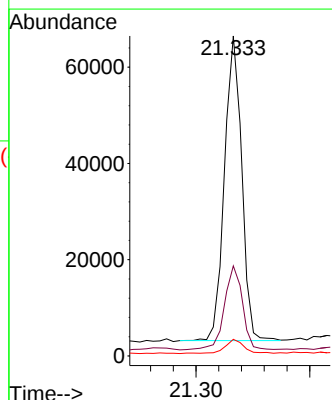
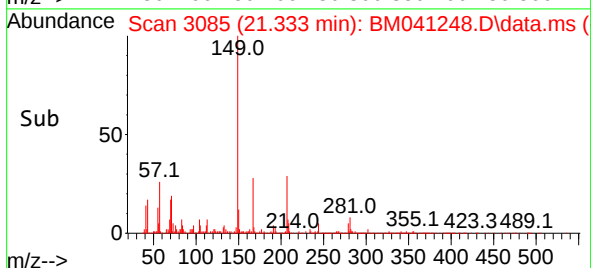
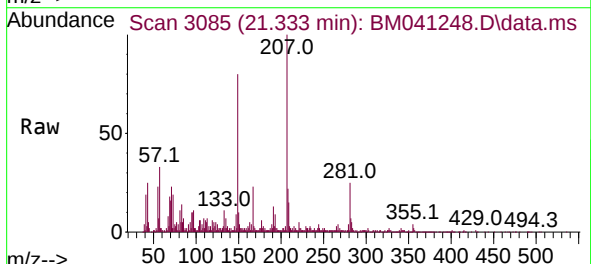
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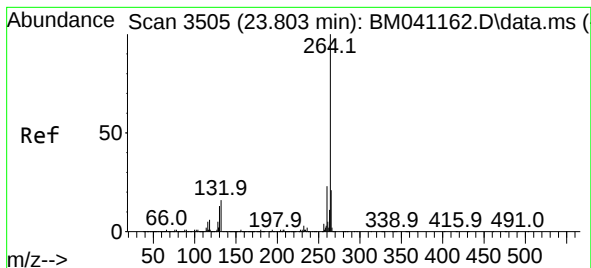
Reviewed By :Yogesh Patel 08/03/2023  
Supervised By :mohammad ahmed 08/03/2023



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 4.479 ng  
RT: 21.333 min Scan# 3085  
Delta R.T. -0.000 min  
Lab File: BM041248.D  
Acq: 02 Aug 2023 17:07

Tgt Ion:149 Resp: 66633  
Ion Ratio Lower Upper  
149 100  
167 28.2 21.0 31.6  
279 5.2 3.1 4.7#





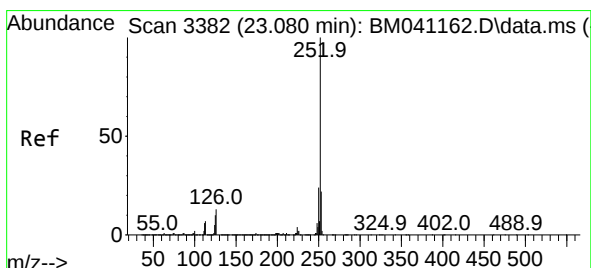
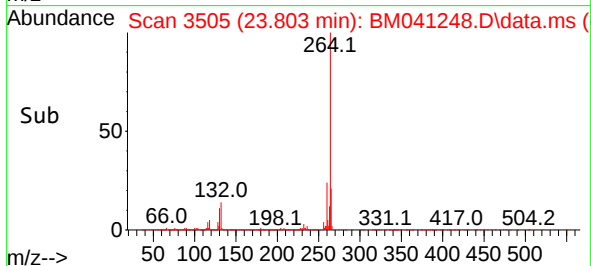
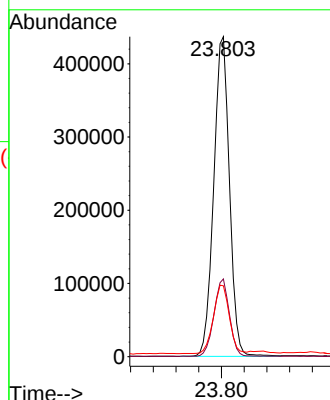
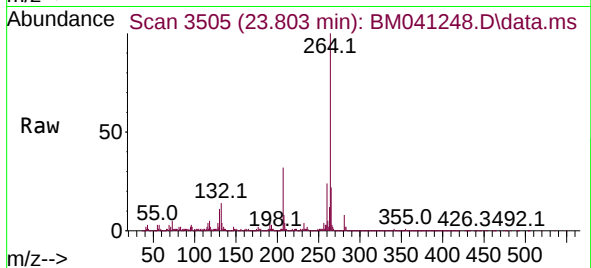
#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.803 min Scan# 3505  
Delta R.T. -0.000 min  
Lab File: BM041248.D  
Acq: 02 Aug 2023 17:07

Instrument :  
BNA\_M  
ClientSampleId :  
WC-01

Tgt Ion:264 Resp: 834999  
Ion Ratio Lower Upper  
264 100  
260 24.3 18.5 27.7  
265 22.1 17.4 26.0

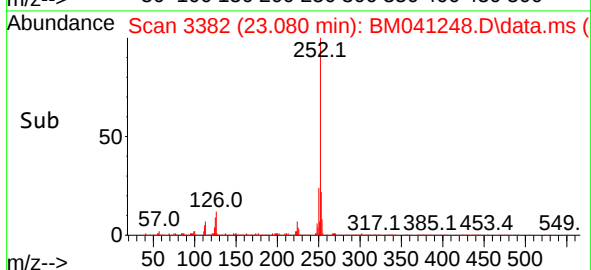
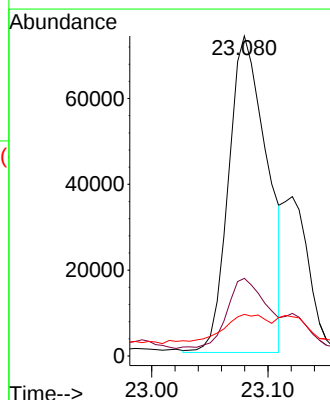
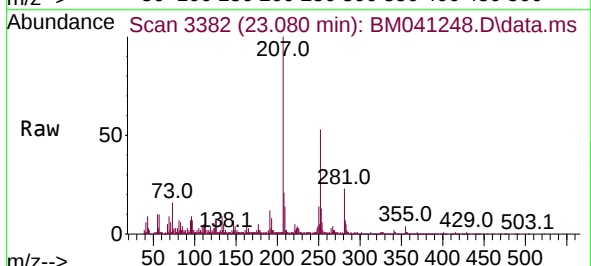
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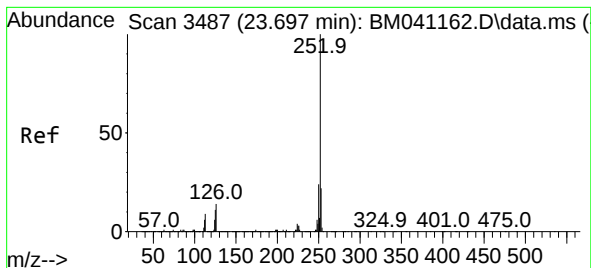
Reviewed By :Yogesh Patel 08/03/2023  
Supervised By :mohammad ahmed 08/03/2023



#88  
Benzo(b)fluoranthene  
Concen: 3.415 ng m  
RT: 23.080 min Scan# 3382  
Delta R.T. -0.006 min  
Lab File: BM041248.D  
Acq: 02 Aug 2023 17:07

Tgt Ion:252 Resp: 169405  
Ion Ratio Lower Upper  
252 100  
253 24.3 17.7 26.5  
125 13.0 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 3.101 ng

RT: 23.691 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM041248.D

Acq: 02 Aug 2023 17:07

Instrument :

BNA\_M

ClientSampleId :

WC-01

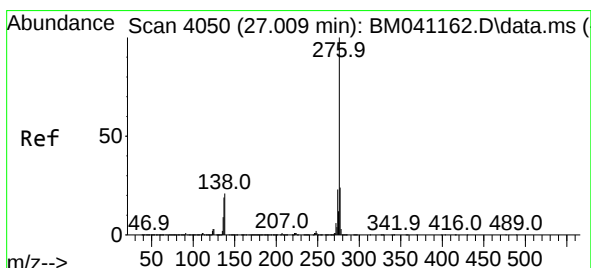
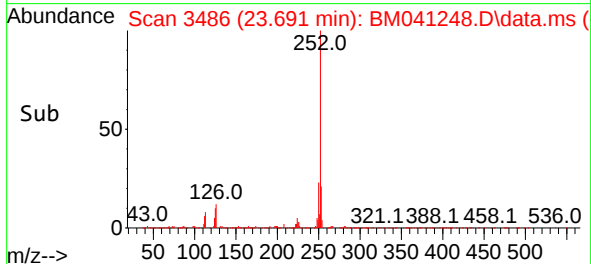
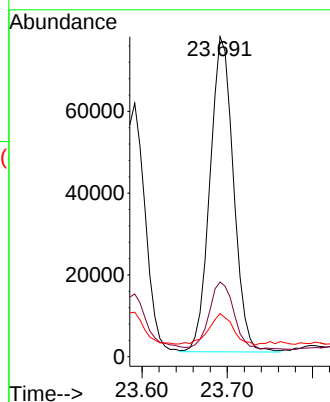
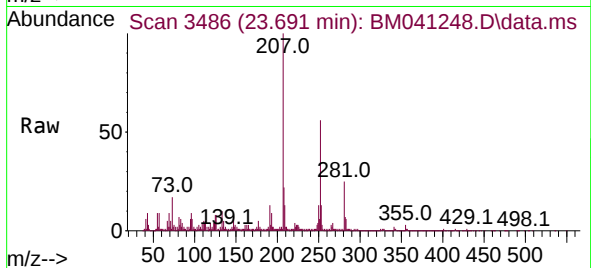
Tgt Ion:252 Resp: 147780  
 Ion Ratio Lower Upper  
 252 100  
 253 23.4 17.3 25.9  
 125 13.5 9.0 13.4

Manual Integrations

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#92

Benzo(g,h,i)perylene

Concen: 2.063 ng

RT: 27.003 min Scan# 4049

Delta R.T. -0.012 min

Lab File: BM041248.D

Acq: 02 Aug 2023 17:07

Tgt Ion:276 Resp: 103338  
 Ion Ratio Lower Upper  
 276 100  
 277 25.7 19.1 28.7  
 138 20.4 17.1 25.7

