

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061724\  
 Data File : BF138215.D  
 Acq On : 17 Jun 2024 20:25  
 Operator : CG\JU  
 Sample : P2847-05  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EXT-PE1

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024  
 Supervised By :mohammad ahmed 06/19/2024

Quant Time: Jun 18 00:55:16 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061224.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 13 01:52:47 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.892  | 152  | 435021   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 1647372  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.927  | 164  | 813328   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 949747   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.057 | 240  | 824660   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.527 | 264  | 815453   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 2090846  | 80.401 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.516  | 99   | 2578285  | 78.188 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 1605379  | 56.732 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 545982   | 67.431 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 2823466  | 55.202 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.010 | 244  | 2063533  | 39.632 | ng    | 0.01     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene              | 11.439 | 178  | 643093   | 13.692 | ng    | # 92     |
| 72) Anthracene                | 11.492 | 178  | 112078   | 2.403  | ng    | # 68     |
| 75) Fluoranthene              | 12.639 | 202  | 1781438  | 37.195 | ng    | 99       |
| 78) Pyrene                    | 12.868 | 202  | 1631751  | 22.940 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 1072744  | 20.276 | ng    | 98       |
| 83) Chrysene                  | 14.080 | 228  | 1328959m | 26.353 | ng    |          |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 122339   | 5.436  | ng    | 97       |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 87980    | 2.632  | ng    | # 77     |
| 87) Indeno(1,2,3-cd)pyrene    | 16.998 | 276  | 656871   | 12.357 | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.092 | 252  | 1668695m | 34.701 | ng    |          |
| 89) Benzo(k)fluoranthene      | 15.121 | 252  | 647783m  | 13.745 | ng    |          |
| 90) Benzo(a)pyrene            | 15.462 | 252  | 1014302  | 24.552 | ng    | # 98     |
| 91) Dibenzo(a,h)anthracene    | 17.009 | 278  | 146228m  | 3.351  | ng    |          |
| 92) Benzo(g,h,i)perylene      | 17.445 | 276  | 620923   | 13.756 | ng    | 98       |
| -----                         |        |      |          |        |       |          |

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

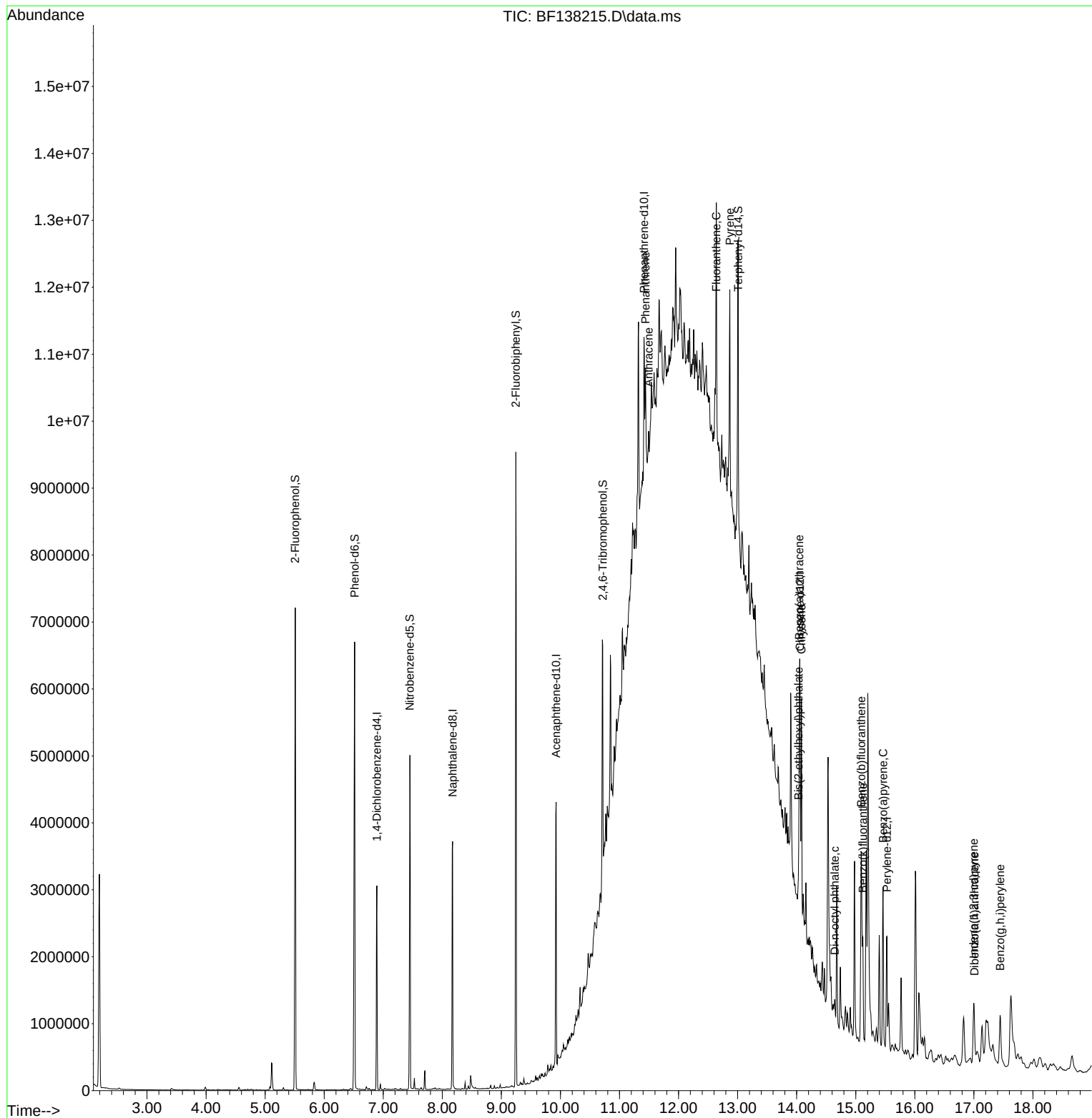
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061724\  
Data File : BF138215.D  
Acq On : 17 Jun 2024 20:25  
Operator : CG\JU  
Sample : P2847-05  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

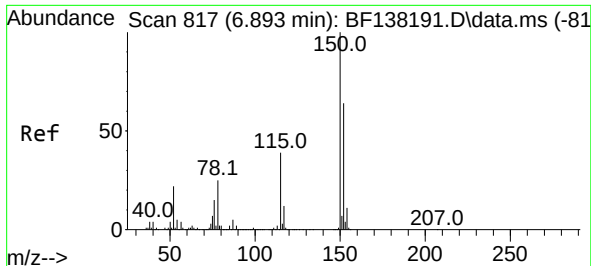
Instrument :  
BNA\_F  
ClientSampleId :  
EXT-PE1

Manual Integrations  
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Supervised By :mohammad ahmed 06/19/2024

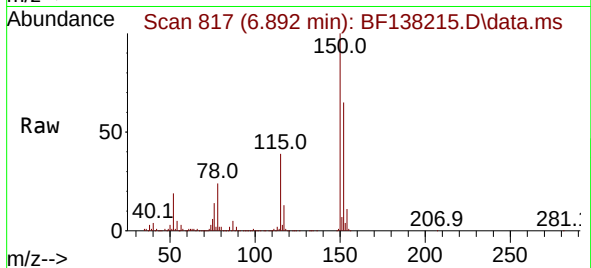
Quant Time: Jun 18 00:55:16 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 13 01:52:47 2024  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 817  
Delta R.T. -0.001 min  
Lab File: BF138215.D  
Acq: 17 Jun 2024 20:25

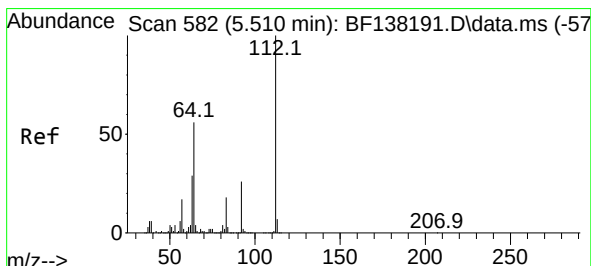
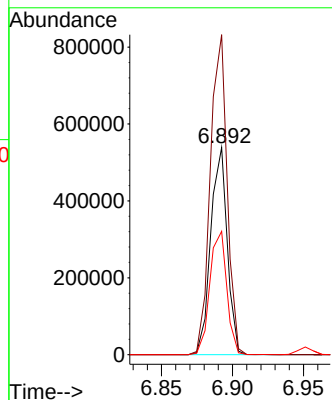
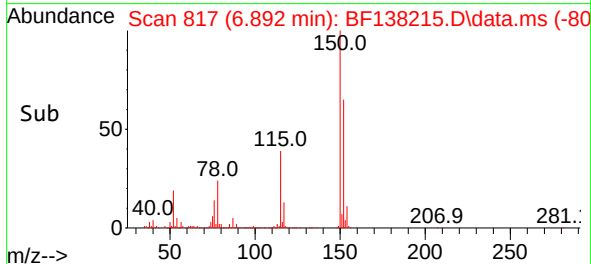
Instrument :  
BNA\_F  
ClientSampleId :  
EXT-PE1



Tgt Ion:152 Resp: 43502  
Ion Ratio Lower Upper  
152 100  
150 154.4 125.0 187.4  
115 59.5 48.4 72.6

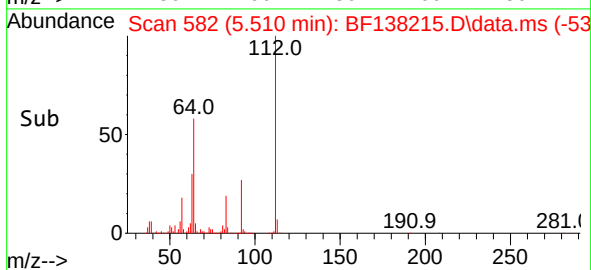
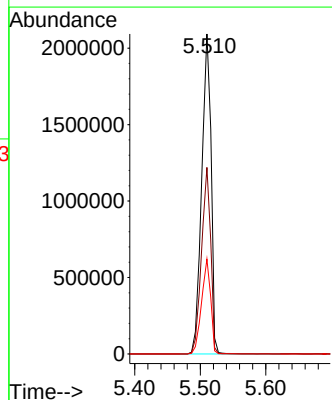
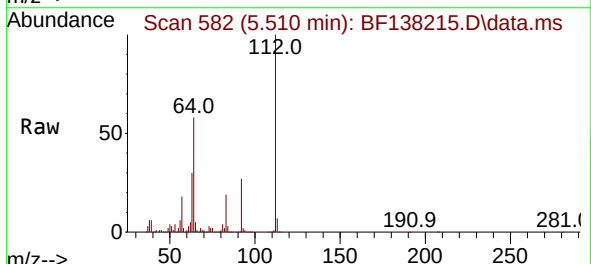
Manual Integrations  
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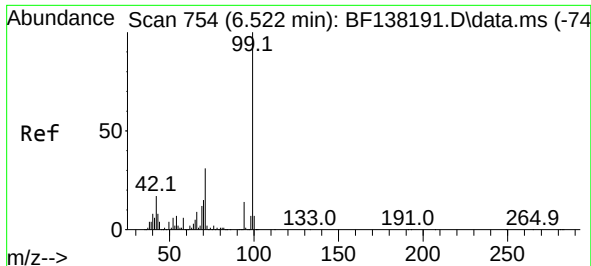
Reviewed By :Jagrut Upadhyay 06/18/2024  
Supervised By :mohammad ahmed 06/19/2024



#5  
2-Fluorophenol  
Concen: 80.401 ng  
RT: 5.510 min Scan# 582  
Delta R.T. -0.000 min  
Lab File: BF138215.D  
Acq: 17 Jun 2024 20:25

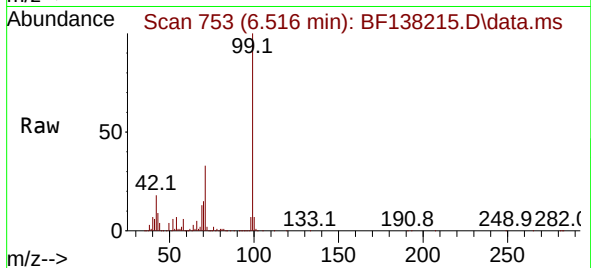
Tgt Ion:112 Resp: 2090846  
Ion Ratio Lower Upper  
112 100  
64 58.3 45.2 67.8  
63 29.7 22.9 34.3





#7  
Phenol-d6  
Concen: 78.188 ng  
RT: 6.516 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF138215.D  
Acq: 17 Jun 2024 20:25

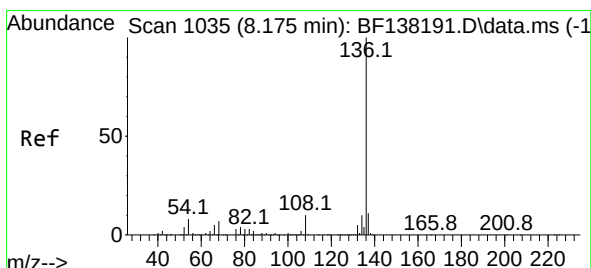
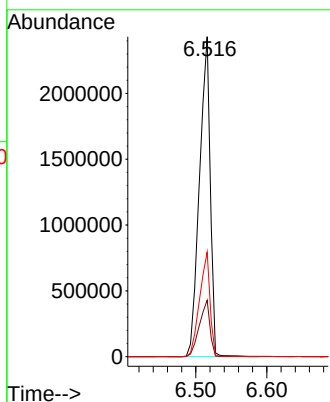
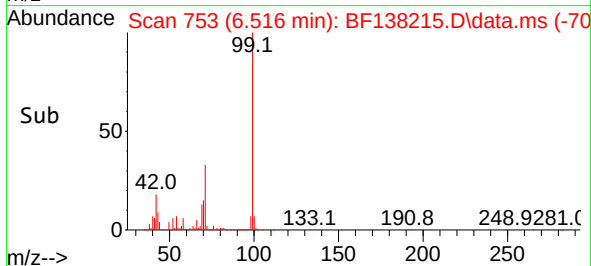
Instrument :  
BNA\_F  
ClientSampleId :  
EXT-PE1



Tgt Ion: 99 Resp: 257828  
Ion Ratio Lower Upper  
99 100  
42 17.7 13.7 20.5  
71 32.7 25.0 37.6

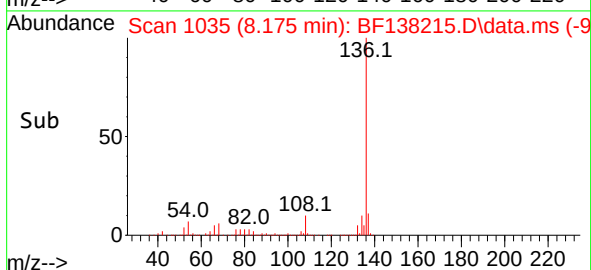
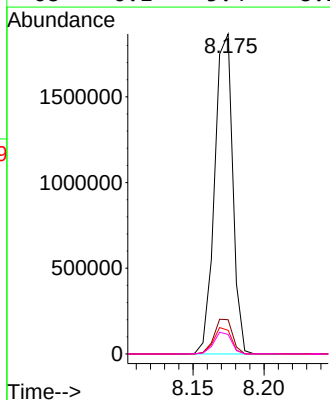
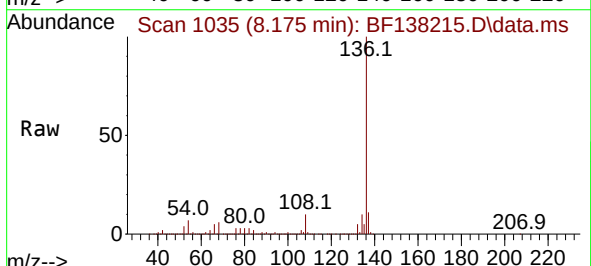
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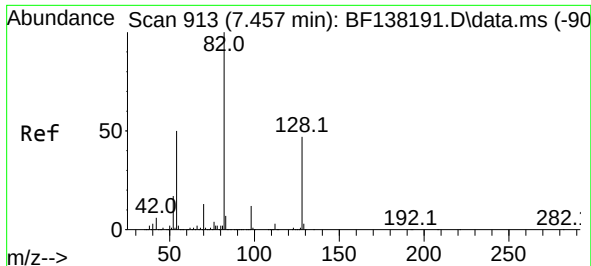
Reviewed By :Jagrut Upadhyay 06/18/2024  
Supervised By :mohammad ahmed 06/19/2024



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1035  
Delta R.T. -0.000 min  
Lab File: BF138215.D  
Acq: 17 Jun 2024 20:25

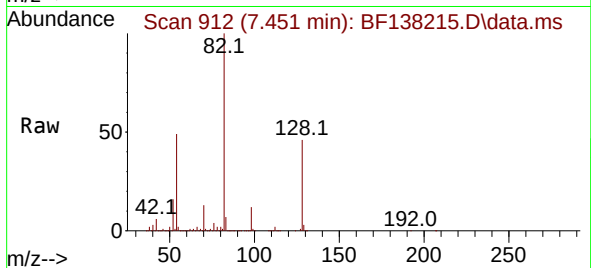
Tgt Ion:136 Resp: 1647372  
Ion Ratio Lower Upper  
136 100  
137 10.7 9.1 13.7  
54 7.4 6.6 10.0  
68 6.1 5.4 8.2





#23  
Nitrobenzene-d5  
Concen: 56.732 ng  
RT: 7.451 min Scan# 913  
Delta R.T. -0.006 min  
Lab File: BF138215.D  
Acq: 17 Jun 2024 20:25

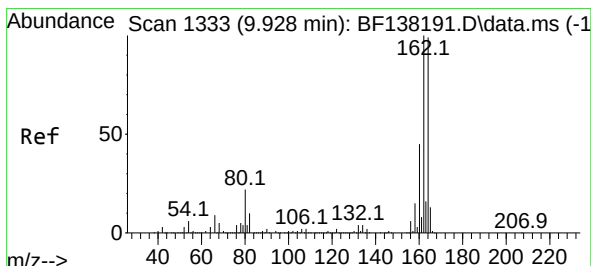
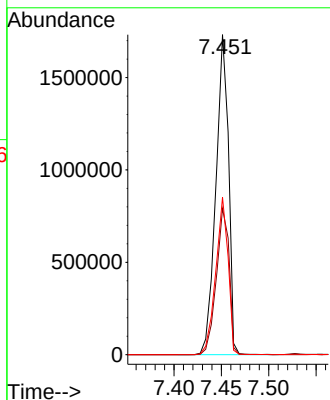
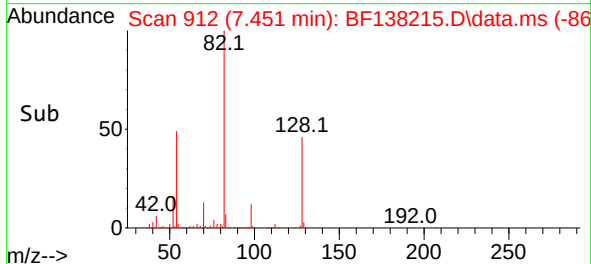
Instrument :  
BNA\_F  
ClientSampleId :  
EXT-PE1



Tgt Ion: 82 Resp: 1605379  
Ion Ratio Lower Upper  
82 100  
128 45.7 37.2 55.8  
54 49.2 39.8 59.6

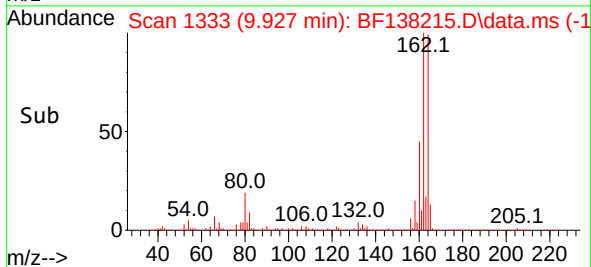
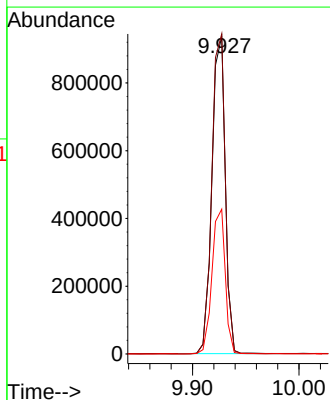
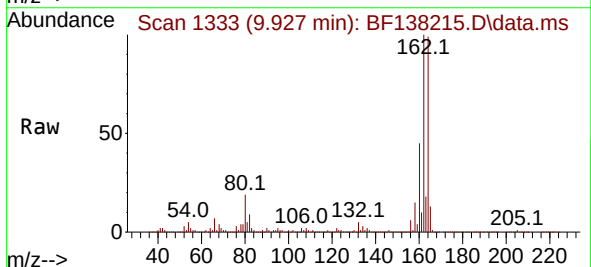
Manual Integrations  
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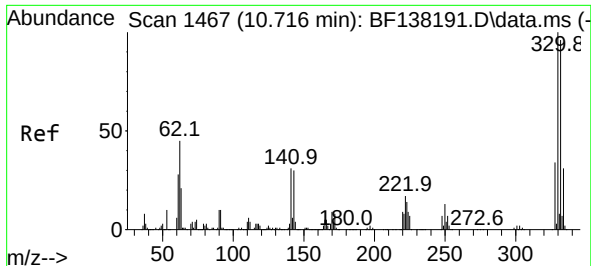
Reviewed By :Jagrut Upadhyay 06/18/2024  
Supervised By :mohammad ahmed 06/19/2024



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.927 min Scan# 1333  
Delta R.T. -0.000 min  
Lab File: BF138215.D  
Acq: 17 Jun 2024 20:25

Tgt Ion:164 Resp: 813328  
Ion Ratio Lower Upper  
164 100  
162 100.8 80.6 121.0  
160 45.6 36.3 54.5





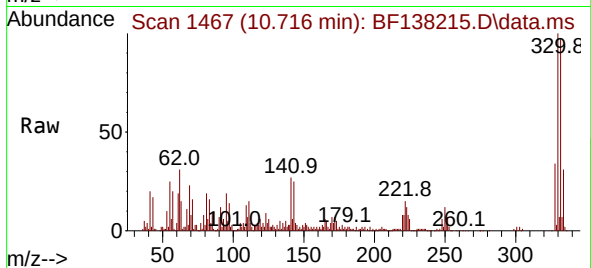
#42  
 2,4,6-Tribromophenol  
 Concen: 67.431 ng  
 RT: 10.716 min Scan# 1467  
 Delta R.T. -0.000 min  
 Lab File: BF138215.D  
 Acq: 17 Jun 2024 20:25

Instrument :

BNA\_F

ClientSampleId :

EXT-PE1

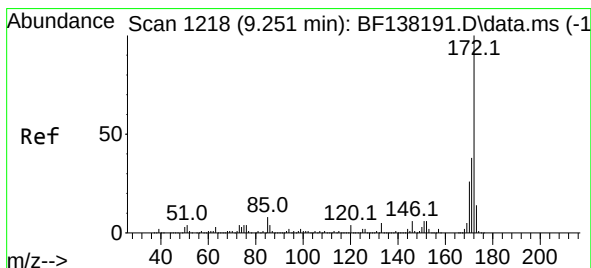
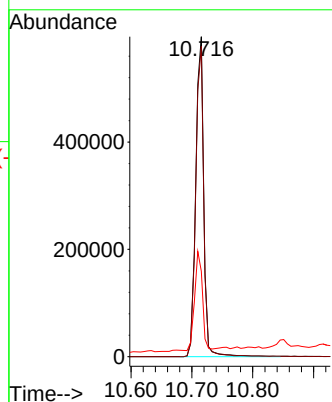
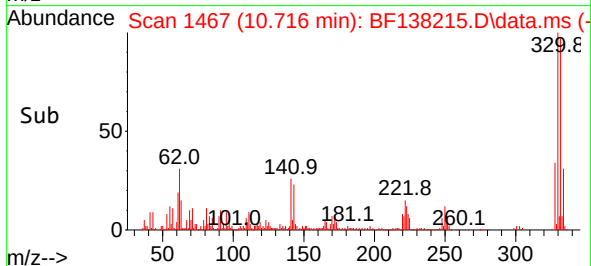


Tgt Ion:330 Resp: 545982  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 76.6 115.0  
 141 30.0 23.9 35.9

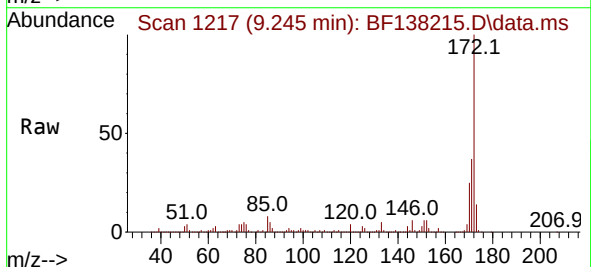
Manual Integrations

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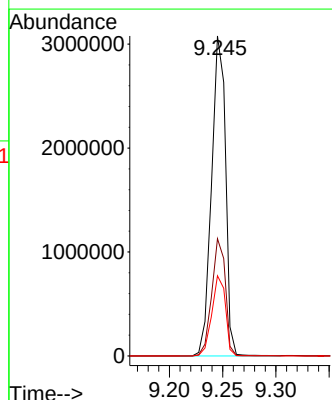
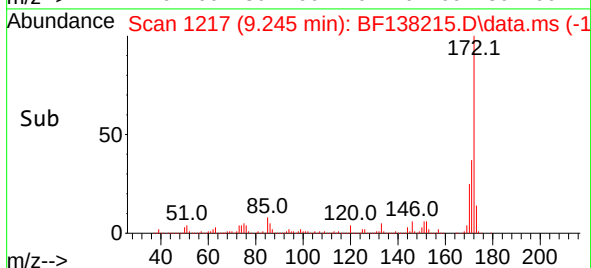
Reviewed By :Jagrut Upadhyay 06/18/2024  
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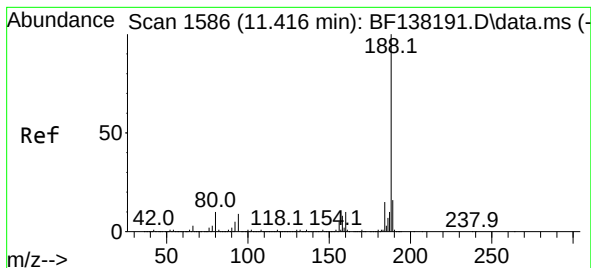


#45  
 2-Fluorobiphenyl  
 Concen: 55.202 ng  
 RT: 9.245 min Scan# 1217  
 Delta R.T. -0.006 min  
 Lab File: BF138215.D  
 Acq: 17 Jun 2024 20:25



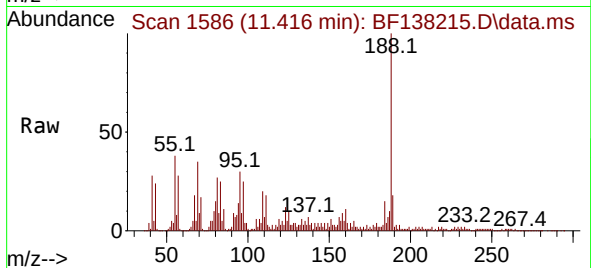
Tgt Ion:172 Resp: 2823466  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 30.3 45.5  
 170 25.1 20.6 30.8





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.416 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: BF138215.D  
Acq: 17 Jun 2024 20:25

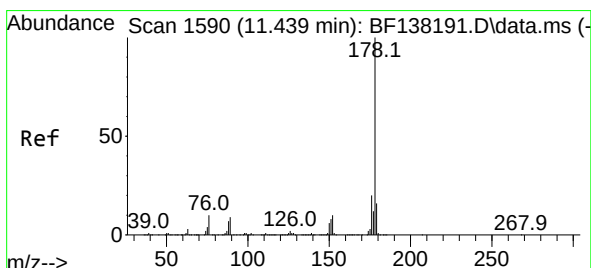
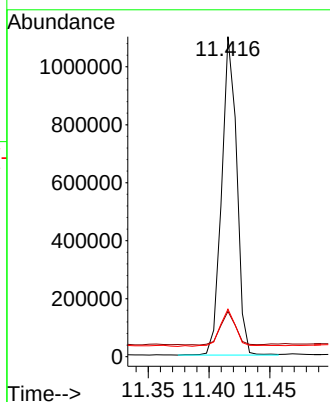
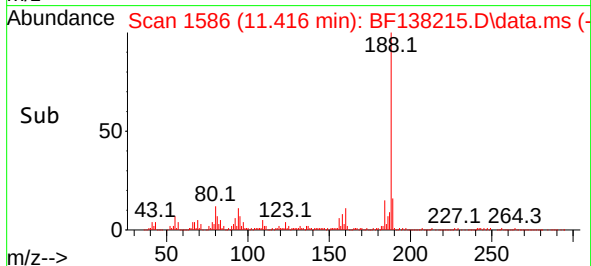
Instrument :  
BNA\_F  
ClientSampleId :  
EXT-PE1



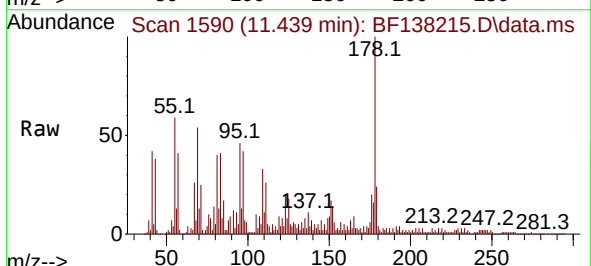
Tgt Ion:188 Resp: 94974  
Ion Ratio Lower Upper  
188 100  
94 14.1 7.6 11.4  
80 14.8 8.1 12.1

Manual Integrations  
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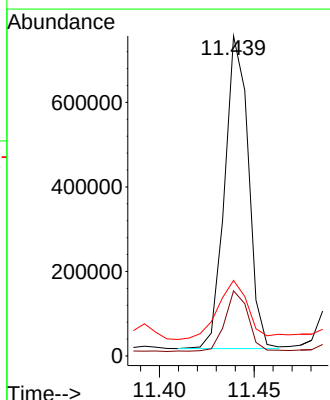
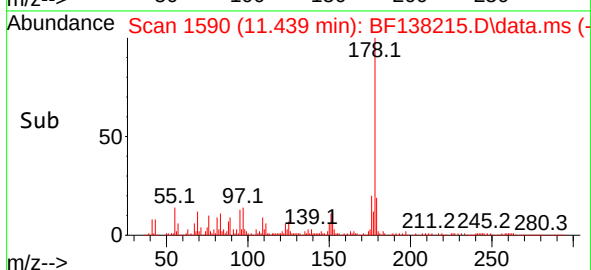
Reviewed By :Jagrut Upadhyay 06/18/2024  
Supervised By :mohammad ahmed 06/19/2024

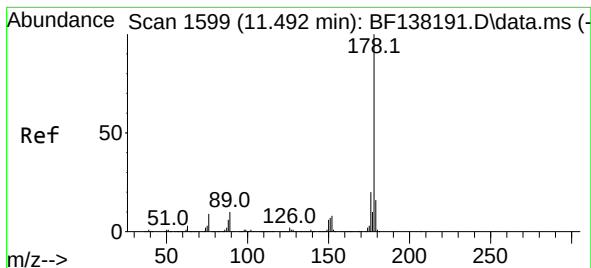


#71  
Phenanthrene  
Concen: 13.692 ng  
RT: 11.439 min Scan# 1590  
Delta R.T. -0.000 min  
Lab File: BF138215.D  
Acq: 17 Jun 2024 20:25



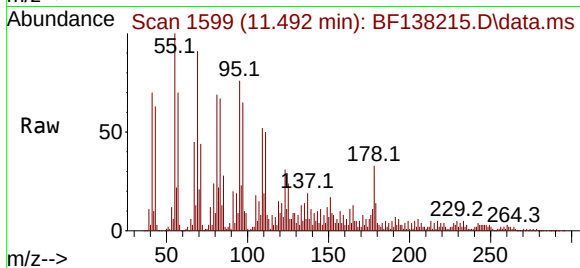
Tgt Ion:178 Resp: 643093  
Ion Ratio Lower Upper  
178 100  
176 20.4 16.4 24.6  
179 23.6 13.1 19.7





#72  
 Anthracene  
 Concen: 2.403 ng  
 RT: 11.492 min Scan# 1149  
 Delta R.T. -0.000 min  
 Lab File: BF138215.D  
 Acq: 17 Jun 2024 20:25

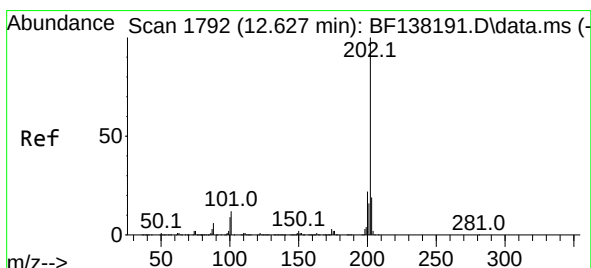
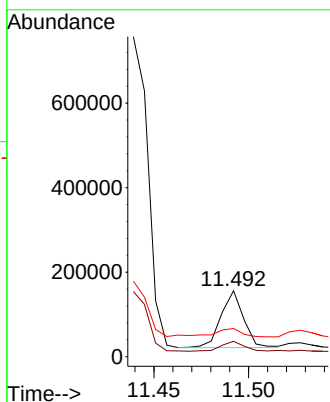
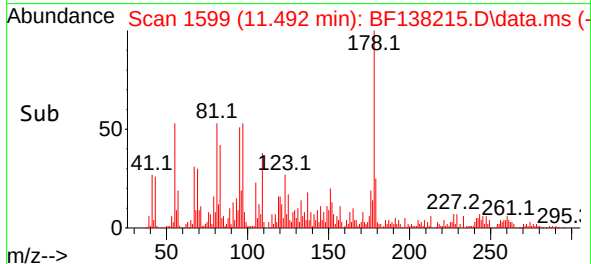
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EXT-PE1



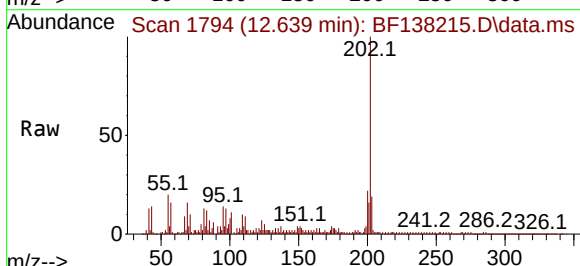
Tgt Ion:178 Resp: 112078  
 Ion Ratio Lower Upper  
 178 100  
 176 23.3 15.7 23.5  
 179 42.7 13.0 19.6

Manual Integrations  
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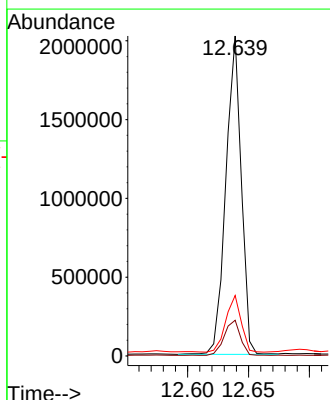
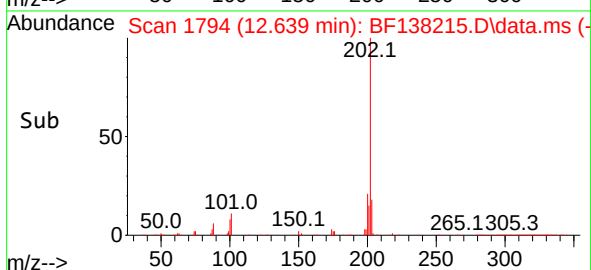
Reviewed By :Jagrut Upadhyay 06/18/2024  
 Supervised By :mohammad ahmed 06/19/2024



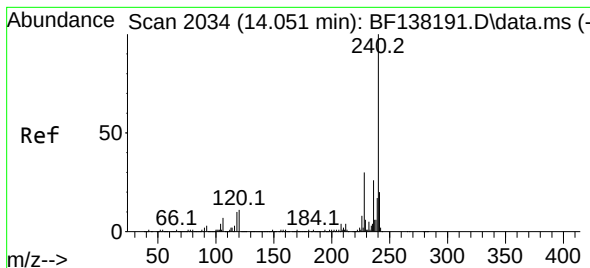
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 Fluoranthene  
 Concen: 37.195 ng  
 RT: 12.639 min Scan# 1794  
 Delta R.T. 0.012 min  
 Lab File: BF138215.D  
 Acq: 17 Jun 2024 20:25



Tgt Ion:202 Resp: 1781438  
 Ion Ratio Lower Upper  
 202 100  
 101 11.2 0.0 31.8  
 203 18.9 0.0 38.6







#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF138215.D

Acq: 17 Jun 2024 20:25

Instrument :

BNA\_F

ClientSampleId :

EXT-PE1

Tgt Ion:240 Resp: 824660

Ion Ratio Lower Upper

240 100

120 12.3 9.2 13.8

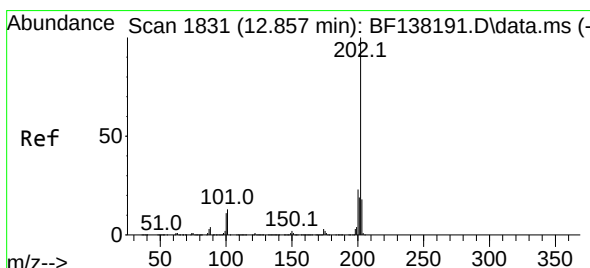
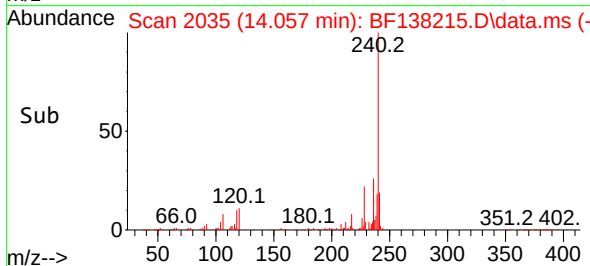
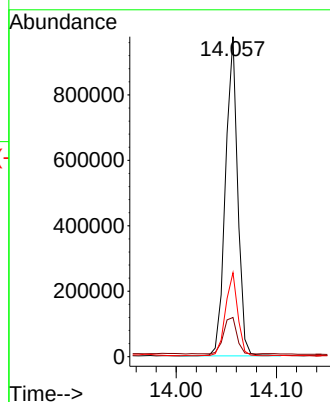
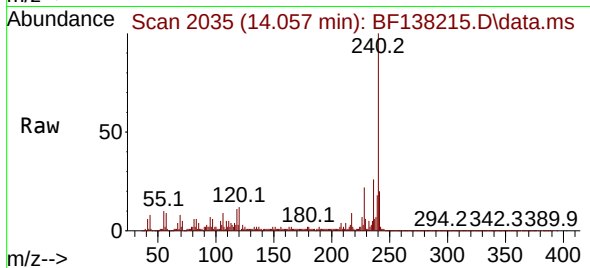
236 26.3 21.0 31.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024

Supervised By :mohammad ahmed 06/19/2024



#78

Pyrene

Concen: 22.940 ng

RT: 12.868 min Scan# 1833

Delta R.T. 0.012 min

Lab File: BF138215.D

Acq: 17 Jun 2024 20:25

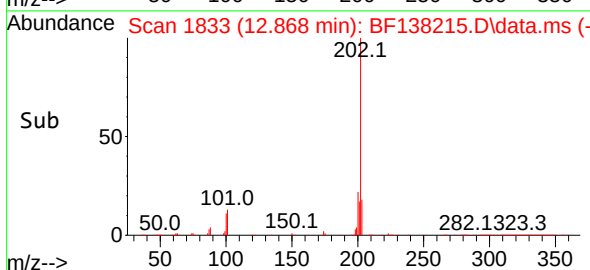
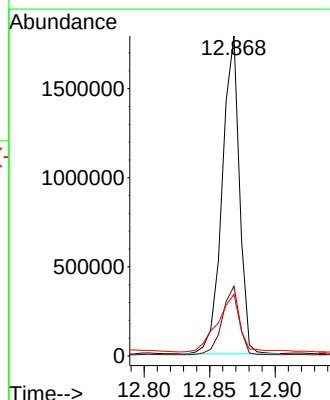
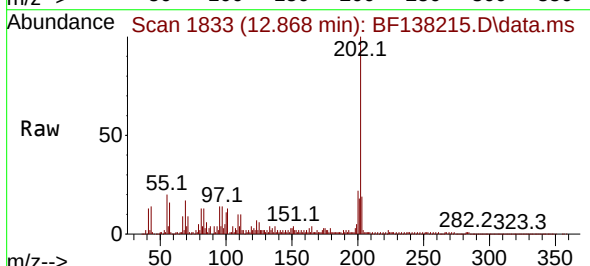
Tgt Ion:202 Resp: 1631751

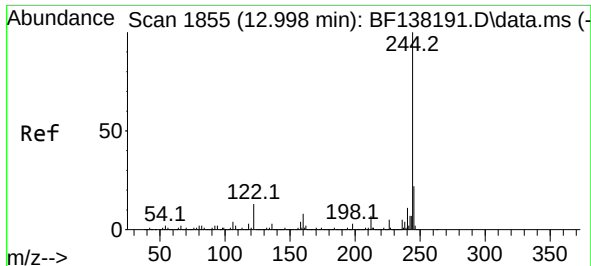
Ion Ratio Lower Upper

202 100

200 21.8 18.0 27.0

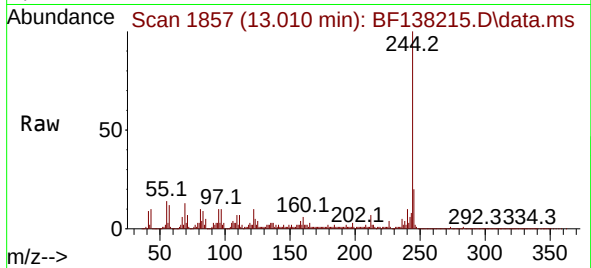
203 19.3 14.7 22.1





#79  
Terphenyl-d14  
Concen: 39.632 ng  
RT: 13.010 min Scan# 1857  
Delta R.T. 0.012 min  
Lab File: BF138215.D  
Acq: 17 Jun 2024 20:25

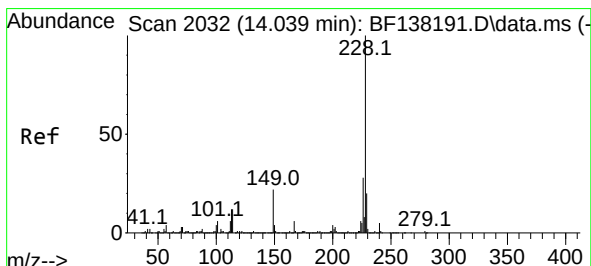
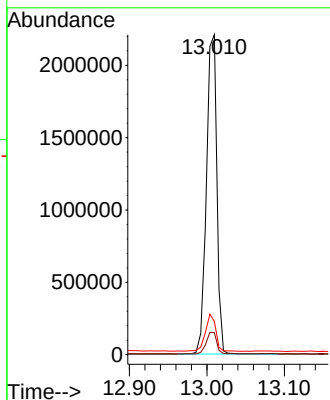
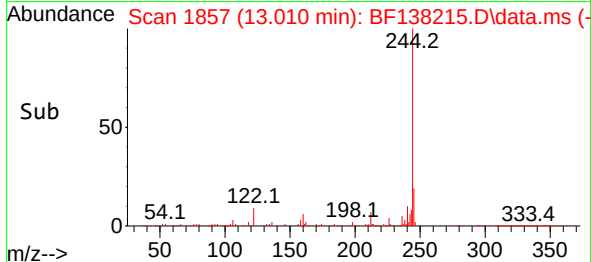
Instrument :  
BNA\_F  
ClientSampleId :  
EXT-PE1



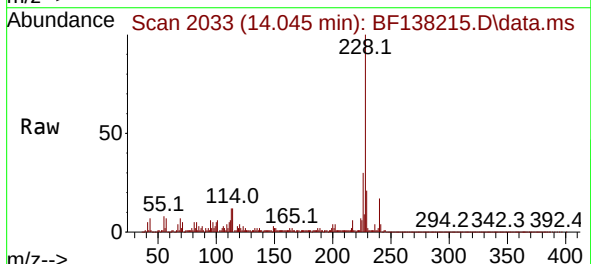
Tgt Ion:244 Resp: 206353  
Ion Ratio Lower Upper  
244 100  
212 6.9 5.9 8.9  
122 10.4 10.6 15.8

Manual Integrations  
APPROVED

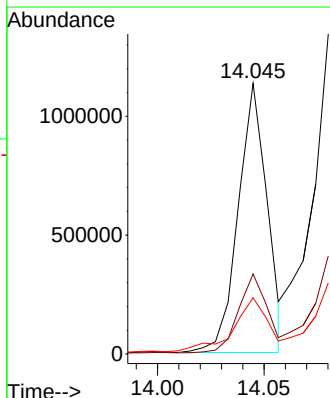
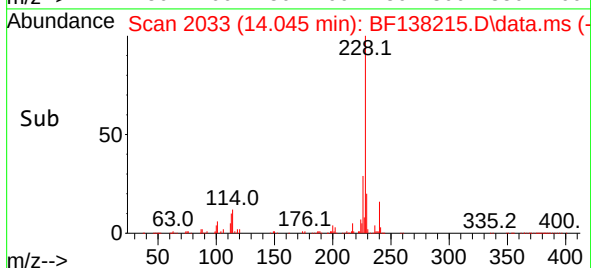
Reviewed By :Jagrut Upadhyay 06/18/2024  
Supervised By :mohammad ahmed 06/19/2024

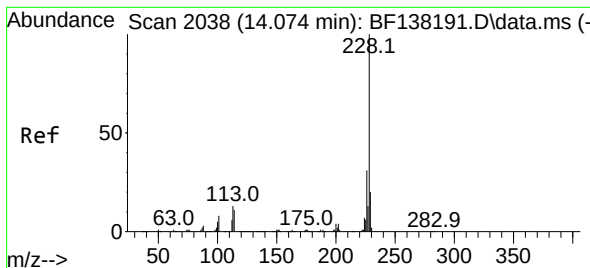


#81  
Benzo(a)anthracene  
Concen: 20.276 ng  
RT: 14.045 min Scan# 2033  
Delta R.T. 0.006 min  
Lab File: BF138215.D  
Acq: 17 Jun 2024 20:25



Tgt Ion:228 Resp: 1072744  
Ion Ratio Lower Upper  
228 100  
226 29.6 22.5 33.7  
229 20.8 16.3 24.5





#83

Chrysene

Concen: 26.353 ng m

RT: 14.080 min Scan# 2038

Delta R.T. 0.006 min

Lab File: BF138215.D

Acq: 17 Jun 2024 20:25

Instrument :

BNA\_F

ClientSampleId :

EXT-PE1

Tgt Ion:228 Resp: 132895

Ion Ratio Lower Upper

228 100

226 30.7 24.5 36.7

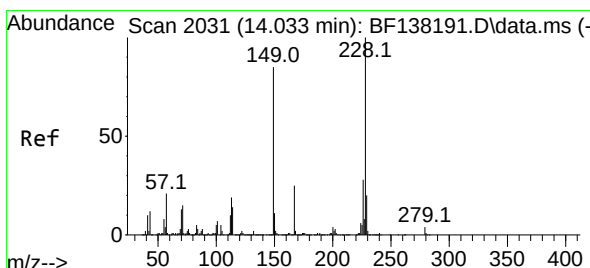
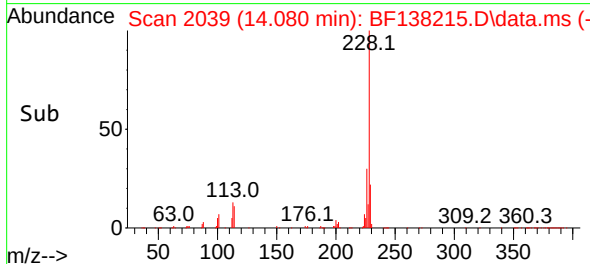
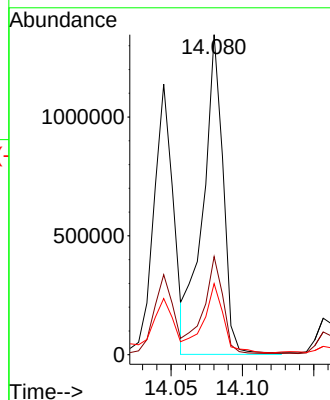
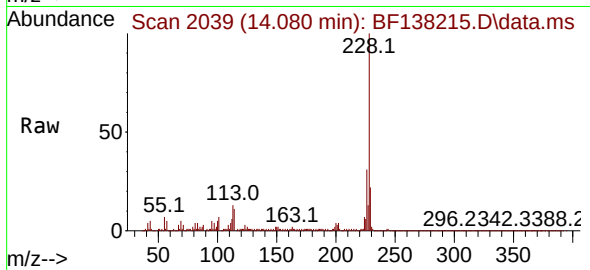
229 22.2 16.3 24.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024

Supervised By :mohammad ahmed 06/19/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.436 ng

RT: 14.033 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF138215.D

Acq: 17 Jun 2024 20:25

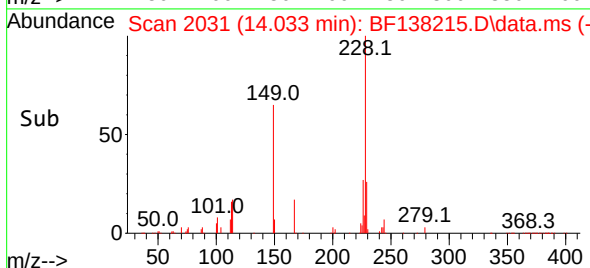
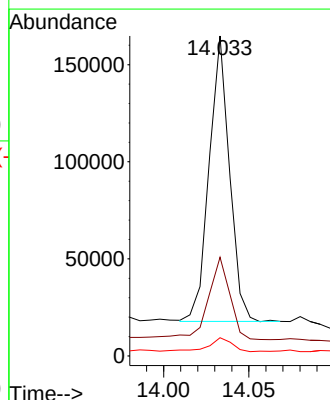
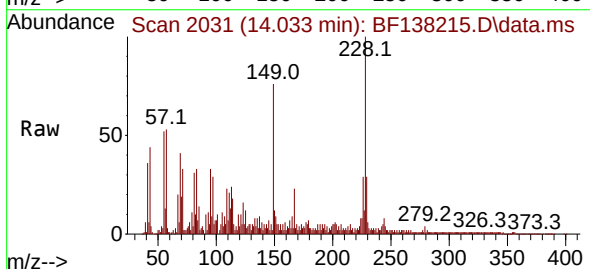
Tgt Ion:149 Resp: 122339

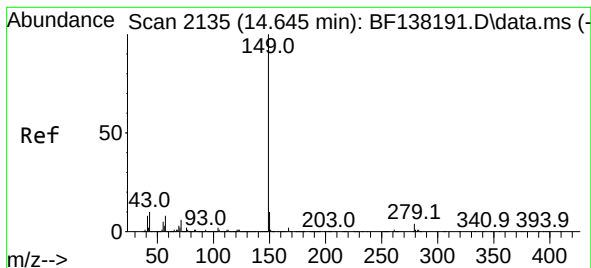
Ion Ratio Lower Upper

149 100

167 30.9 23.5 35.3

279 5.7 4.2 6.2





#85

Di-n-octyl phthalate

Concen: 2.632 ng

RT: 14.645 min Scan# 2135

Delta R.T. -0.000 min

Lab File: BF138215.D

Acq: 17 Jun 2024 20:25

Instrument :

BNA\_F

ClientSampleId :

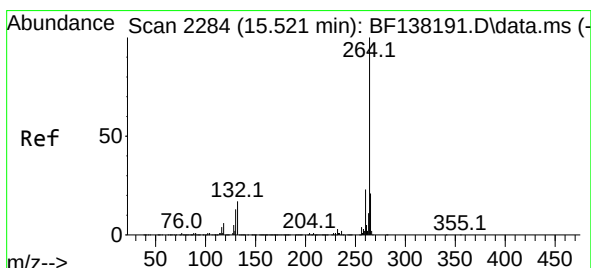
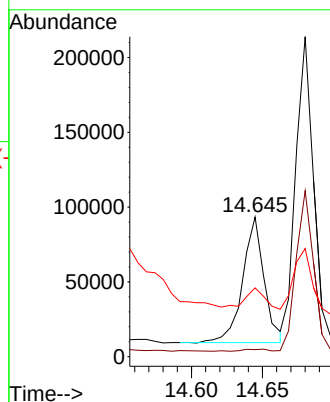
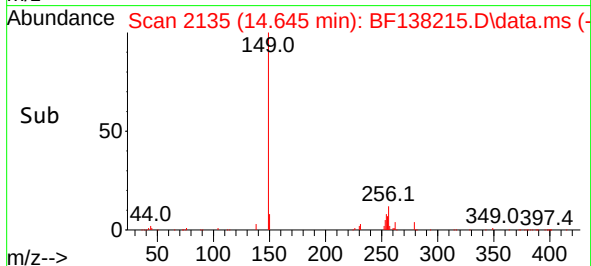
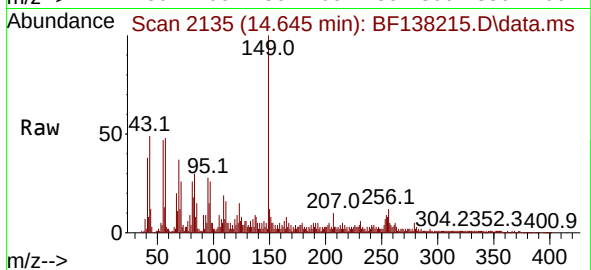
EXT-PE1

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 87980 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 0.0   | 1.3   | 1.9   |
| 43        | 0.0   | 7.8   | 11.6  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024  
Supervised By :mohammad ahmed 06/19/2024



#86

Perylene-d12

Concen: 20.000 ng

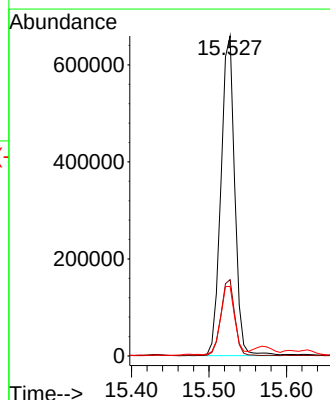
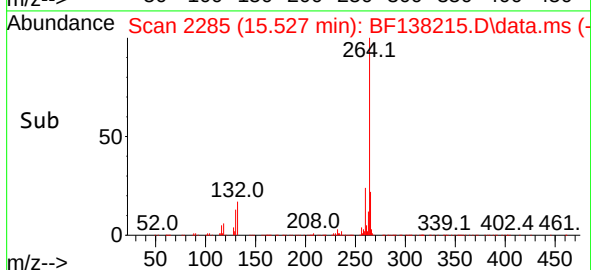
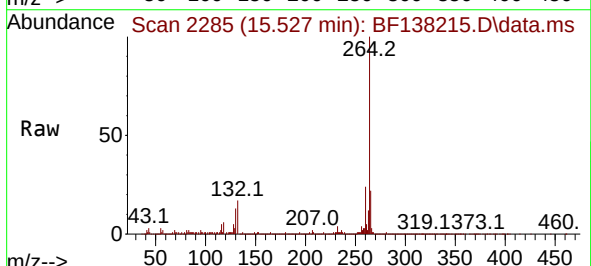
RT: 15.527 min Scan# 2285

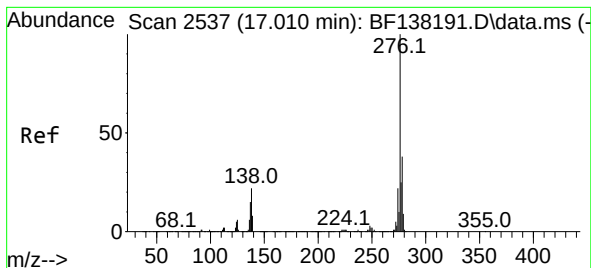
Delta R.T. 0.006 min

Lab File: BF138215.D

Acq: 17 Jun 2024 20:25

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 815453 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.9  | 18.7  | 28.1   |
| 265       | 21.8  | 17.0  | 25.6   |





#87

Indeno(1,2,3-cd)pyrene

Concen: 12.357 ng

RT: 16.998 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138215.D

Acq: 17 Jun 2024 20:25

Instrument :

BNA\_F

ClientSampleId :

EXT-PE1

Tgt Ion:276 Resp: 65687

Ion Ratio Lower Upper

276 100

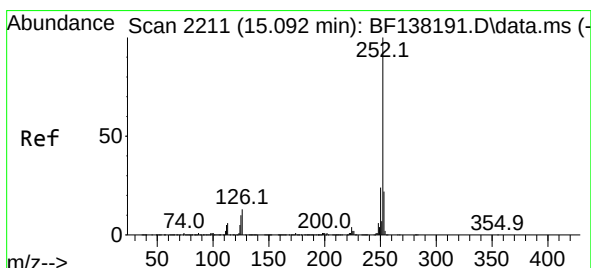
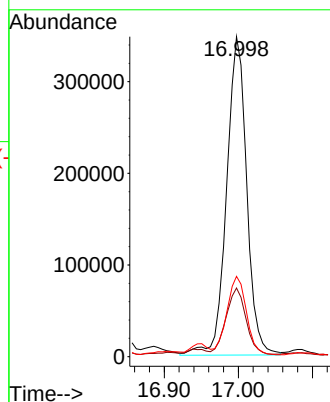
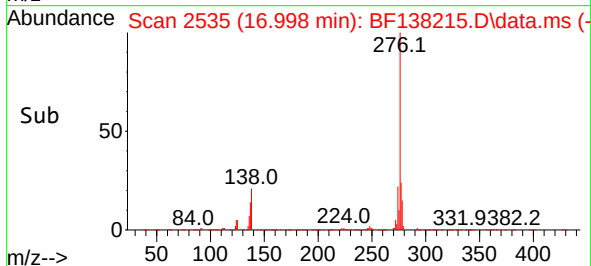
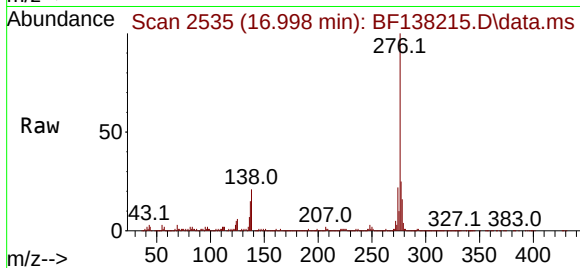
138 21.0 19.3 28.9

277 24.3 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024  
Supervised By :mohammad ahmed 06/19/2024



#88

Benzo(b)fluoranthene

Concen: 34.701 ng m

RT: 15.092 min Scan# 2211

Delta R.T. -0.000 min

Lab File: BF138215.D

Acq: 17 Jun 2024 20:25

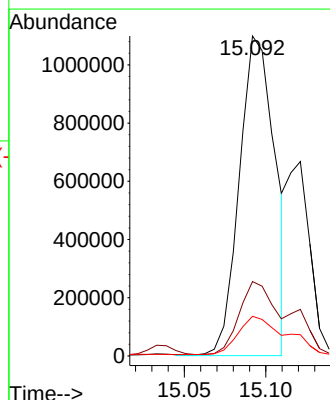
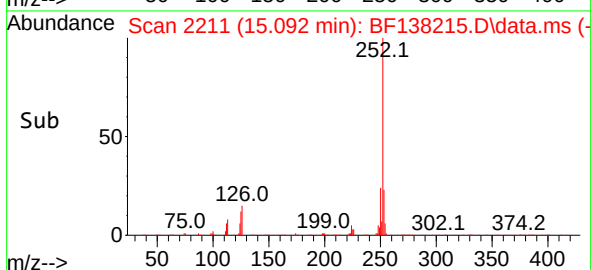
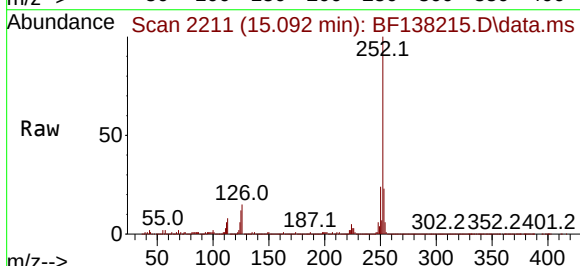
Tgt Ion:252 Resp: 1668695

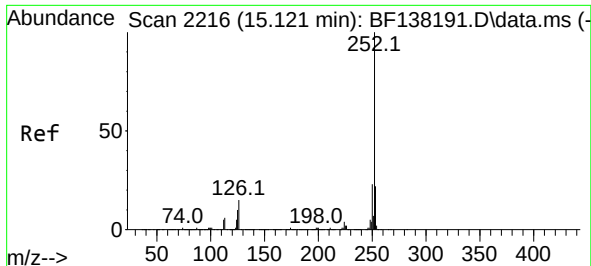
Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

125 12.4 7.8 11.8#





#89

Benzo(k)fluoranthene

Concen: 13.745 ng m

RT: 15.121 min Scan# 2216

Delta R.T. -0.000 min

Lab File: BF138215.D

Acq: 17 Jun 2024 20:25

Instrument :

BNA\_F

ClientSampleId :

EXT-PE1

Tgt Ion:252 Resp: 64778

Ion Ratio Lower Upper

252 100

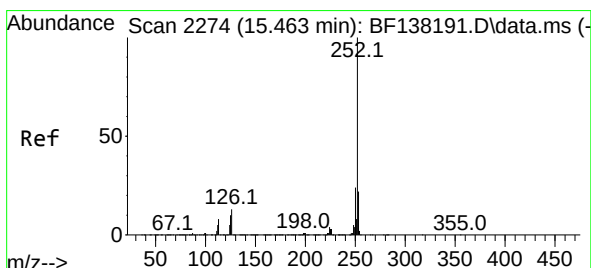
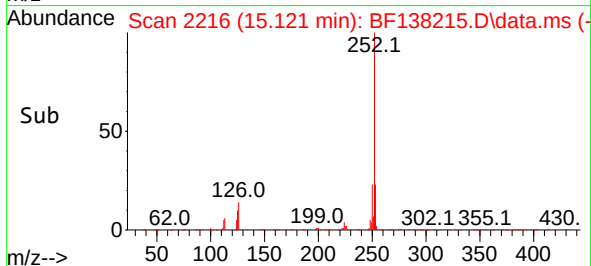
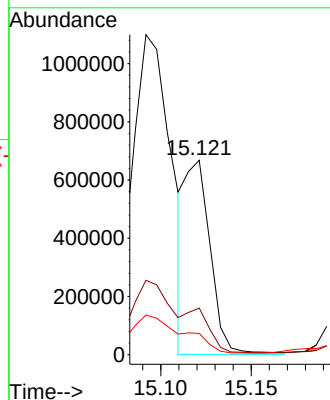
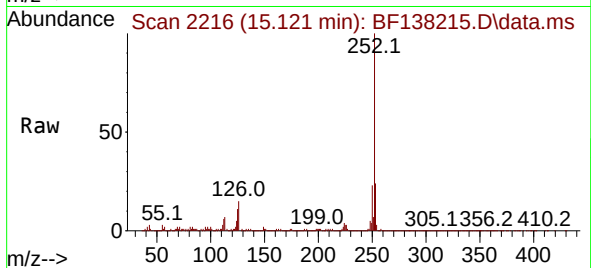
253 23.9 17.8 26.8

125 10.9 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024  
Supervised By :mohammad ahmed 06/19/2024



#90

Benzo(a)pyrene

Concen: 24.552 ng

RT: 15.462 min Scan# 2274

Delta R.T. -0.000 min

Lab File: BF138215.D

Acq: 17 Jun 2024 20:25

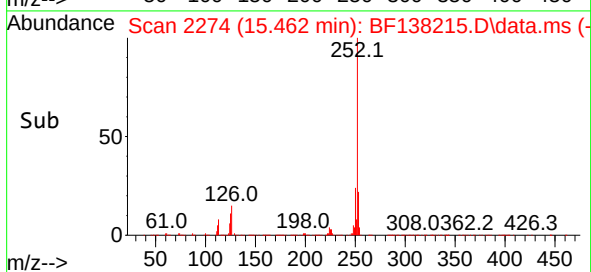
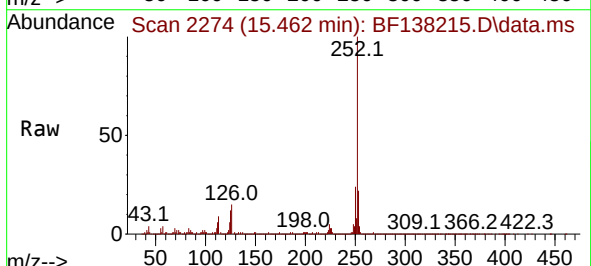
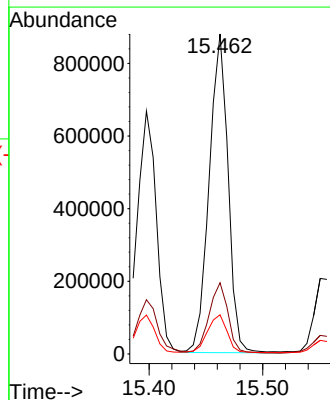
Tgt Ion:252 Resp: 1014302

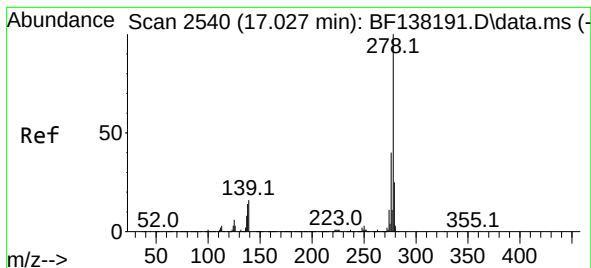
Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 12.3 8.2 12.2#





#91

Dibenzo(a,h)anthracene

Concen: 3.351 ng m

RT: 17.009 min Scan# 2

Delta R.T. -0.018 min

Lab File: BF138215.D

Acq: 17 Jun 2024 20:25

Instrument :

BNA\_F

ClientSampleId :

EXT-PE1

Tgt Ion:278 Resp: 146228

Ion Ratio Lower Upper

278 100

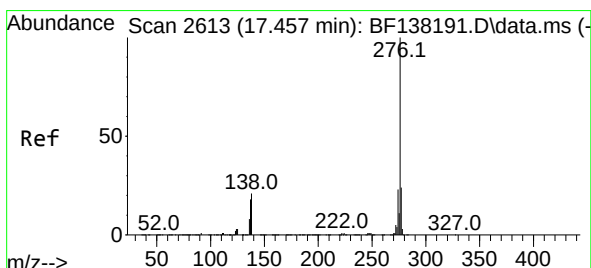
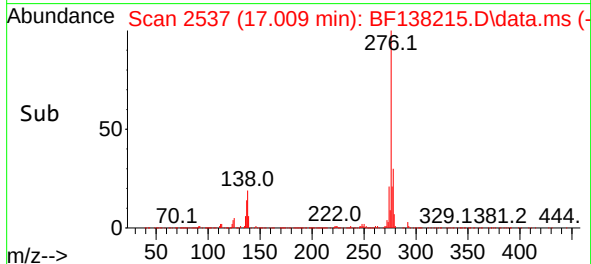
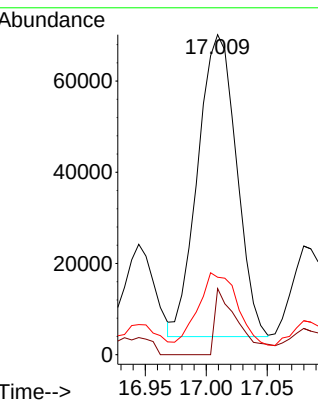
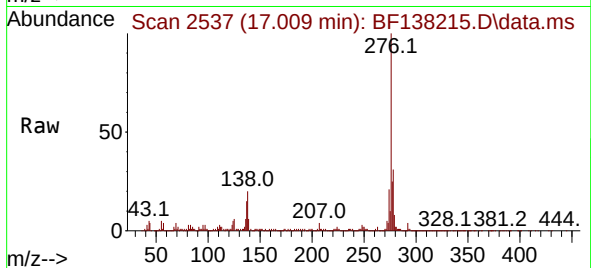
139 20.6 12.9 19.3

279 24.2 19.9 29.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/18/2024  
Supervised By :mohammad ahmed 06/19/2024



#92

Benzo(g,h,i)perylene

Concen: 13.756 ng

RT: 17.445 min Scan# 2611

Delta R.T. -0.012 min

Lab File: BF138215.D

Acq: 17 Jun 2024 20:25

Tgt Ion:276 Resp: 620923

Ion Ratio Lower Upper

276 100

277 24.4 19.5 29.3

138 22.8 16.6 24.8

