

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120123\  
 Data File : BF136358.D  
 Acq On : 02 Dec 2023 03:28  
 Operator : CG\JU  
 Sample : 05434-05  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-3

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/04/2023  
 Supervised By :mohammad ahmed 12/05/2023

Quant Time: Dec 02 05:54:29 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 28 03:04:20 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.804  | 152  | 122522   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.081  | 136  | 501693   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.839  | 164  | 214403   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.327 | 188  | 288822   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.980 | 240  | 222261   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12            | 15.462 | 264  | 238733   | 20.000 | ng    | -0.01    |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.440  | 112  | 691845   | 78.594 | ng    | 0.00     |
| 7) Phenol-d6                | 6.440  | 99   | 835036   | 75.866 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.363  | 82   | 509490   | 53.665 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.628 | 330  | 130294   | 49.707 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.157  | 172  | 936404   | 55.786 | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.927 | 244  | 679478   | 35.263 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 75) Fluoranthene            | 12.545 | 202  | 49113    | 2.980  | ng    | 92       |
| 78) Pyrene                  | 12.774 | 202  | 50667    | 2.082  | ng    | # 94     |
| 87) Indeno(1,2,3-cd)pyrene  | 16.962 | 276  | 12177    | 3.323  | ng    | # 90     |
| 88) Benzo(b)fluoranthene    | 15.027 | 252  | 33712m   | 2.013  | ng    |          |
| 91) Dibenzo(a,h)anthracene  | 16.974 | 278  | 4111     | 2.984  | ng    | # 80     |
| 92) Benzo(g,h,i)perylene    | 17.415 | 276  | 13127    | 2.778  | ng    | 94       |
| -----                       |        |      |          |        |       |          |

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

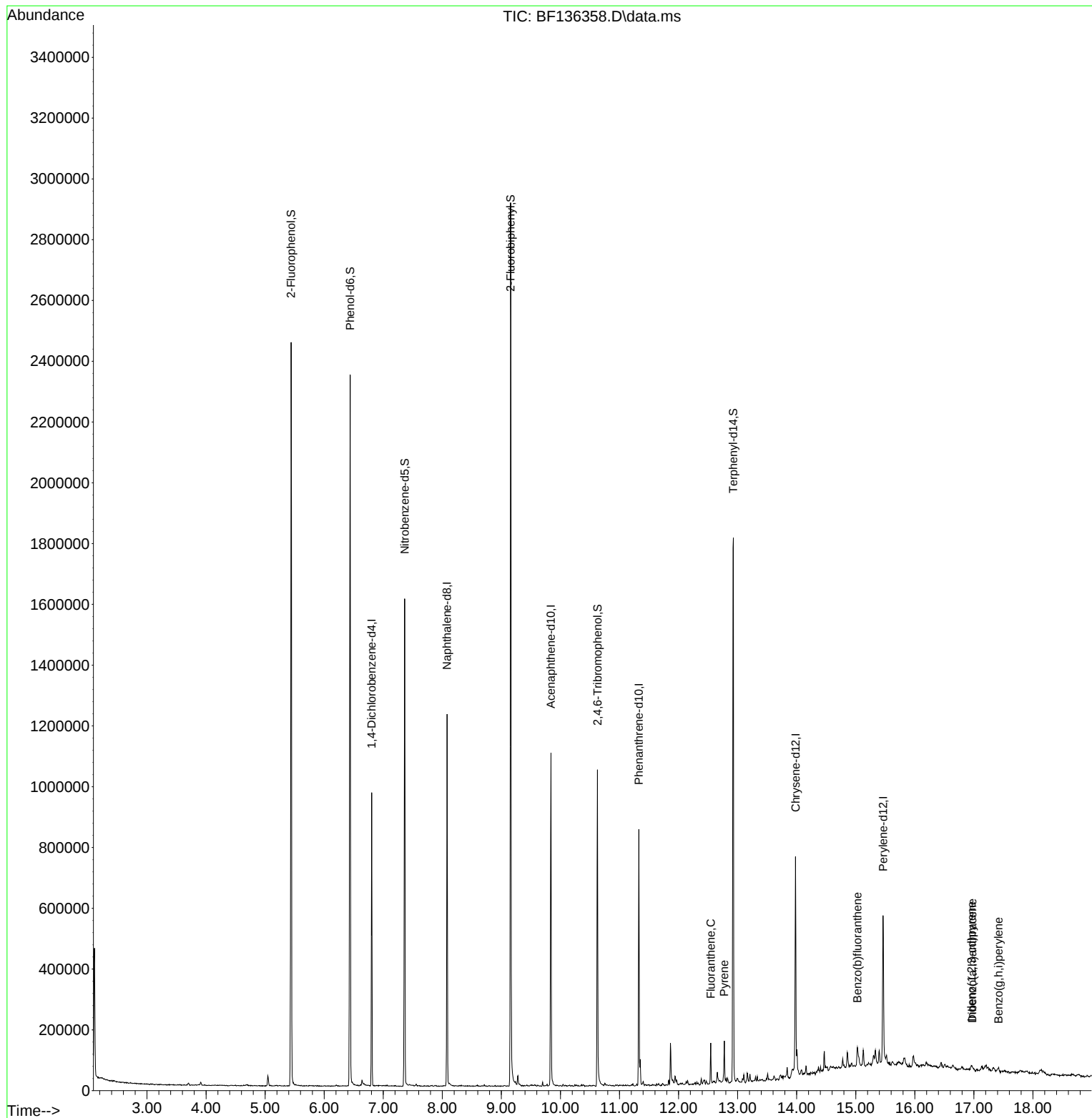
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120123\  
Data File : BF136358.D  
Acq On : 02 Dec 2023 03:28  
Operator : CG\JU  
Sample : 05434-05  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

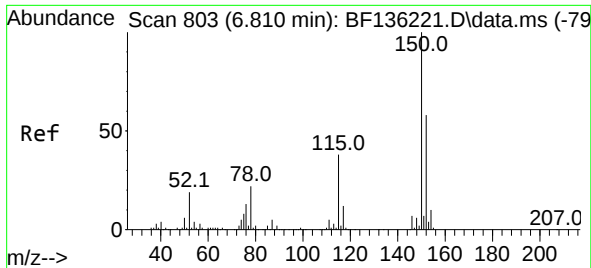
Instrument :  
BNA\_F  
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Quant Time: Dec 02 05:54:29 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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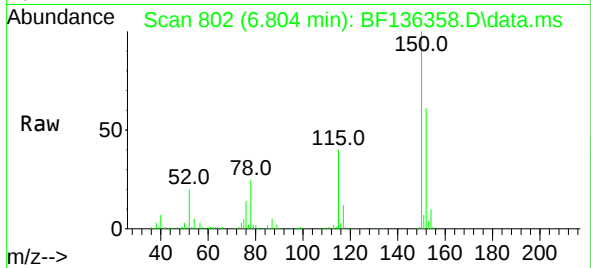
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.804 min Scan# 803  
Delta R.T. -0.006 min  
Lab File: BF136358.D  
Acq: 02 Dec 2023 03:28

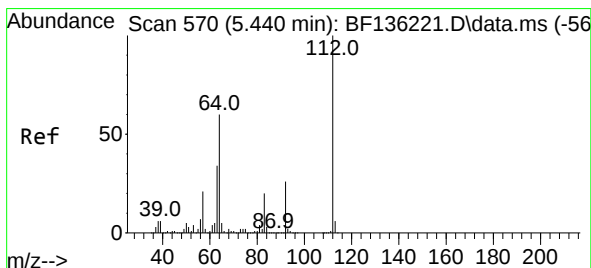
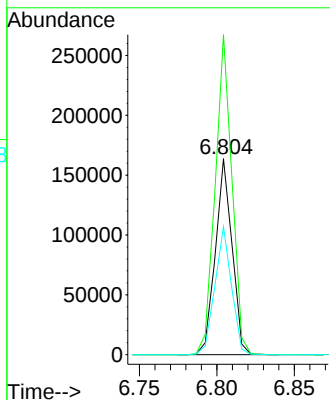
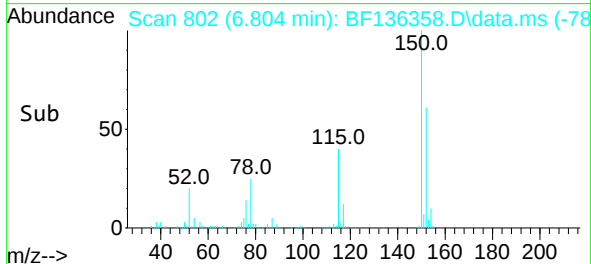
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-3



Tgt Ion:152 Resp: 12252  
Ion Ratio Lower Upper  
152 100  
150 163.3 137.8 206.8  
115 65.3 52.7 79.1

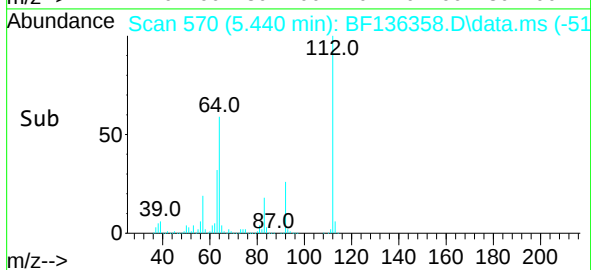
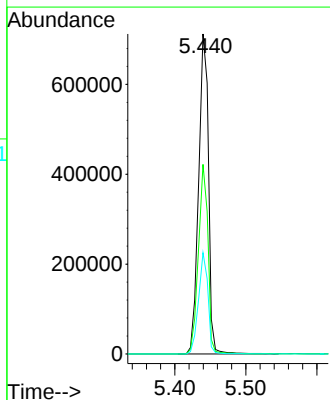
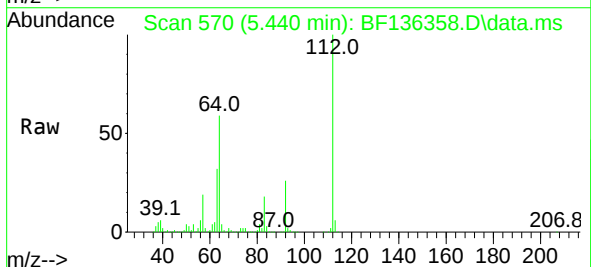
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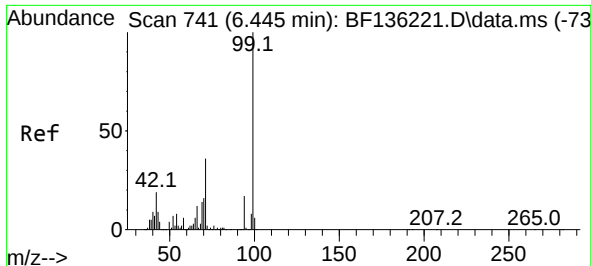
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023



#5  
2-Fluorophenol  
Concen: 78.594 ng  
RT: 5.440 min Scan# 570  
Delta R.T. 0.000 min  
Lab File: BF136358.D  
Acq: 02 Dec 2023 03:28

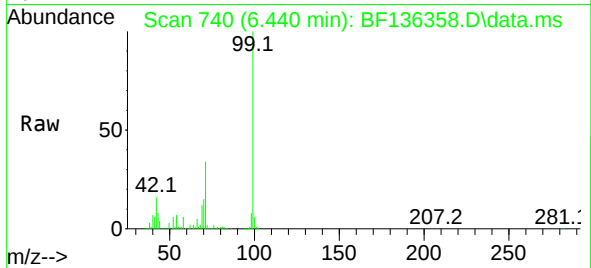
Tgt Ion:112 Resp: 691845  
Ion Ratio Lower Upper  
112 100  
64 59.3 48.2 72.4  
63 31.7 27.0 40.6





#7  
Phenol-d6  
Concen: 75.866 ng  
RT: 6.440 min Scan# 741  
Delta R.T. -0.006 min  
Lab File: BF136358.D  
Acq: 02 Dec 2023 03:28

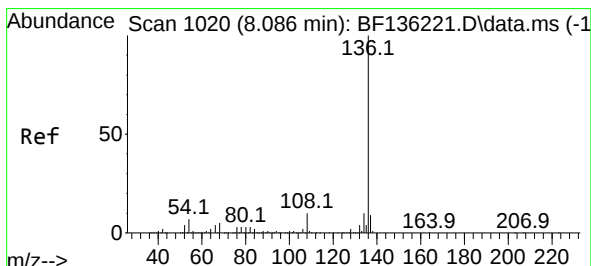
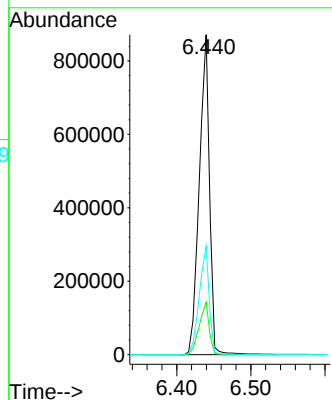
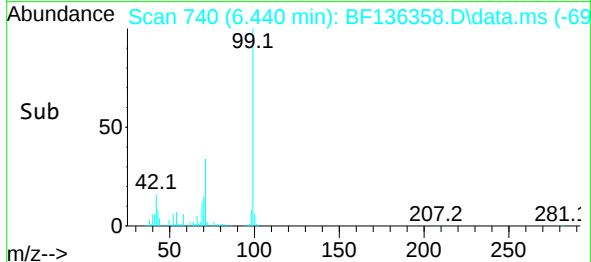
Instrument :  
BNA\_F  
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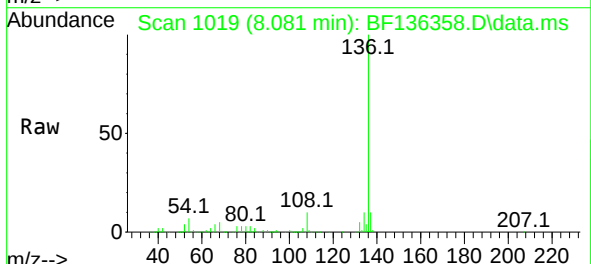
Tgt Ion: 99 Resp: 835030  
Ion Ratio Lower Upper  
99 100  
42 16.4 15.0 22.6  
71 33.9 28.9 43.3

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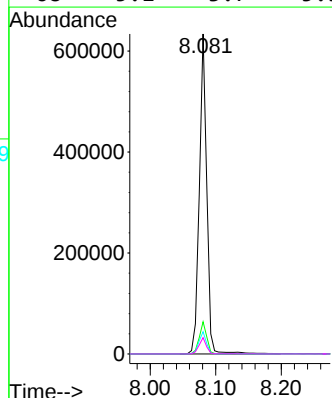
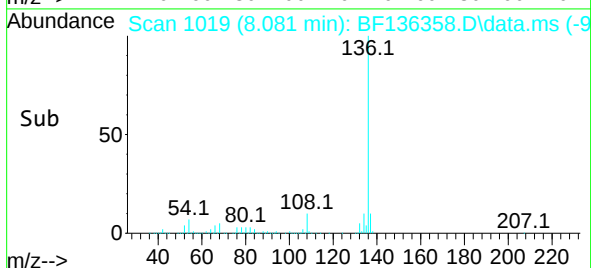
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.081 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: BF136358.D  
Acq: 02 Dec 2023 03:28



Tgt Ion:136 Resp: 501693  
Ion Ratio Lower Upper  
136 100  
137 10.1 7.4 11.2  
54 7.0 5.5 8.3  
68 5.1 3.7 5.5





#23

Nitrobenzene-d5

Concen: 53.665 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136358.D

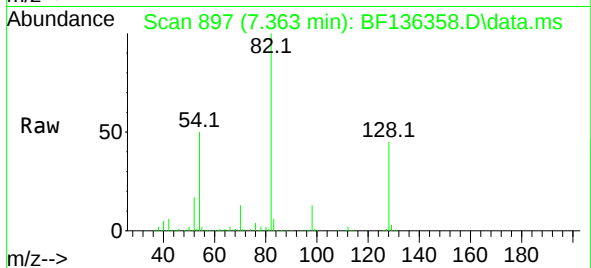
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Instrument :

BNA\_F

ClientSampleId :

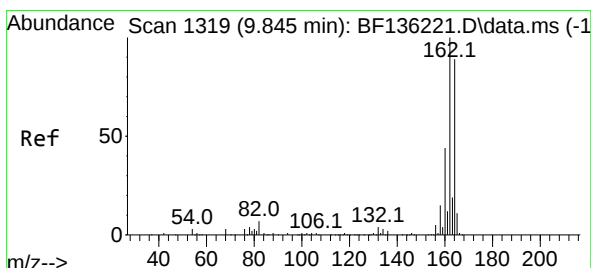
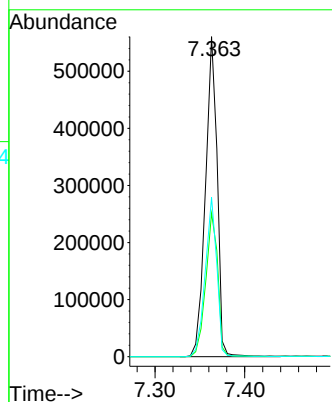
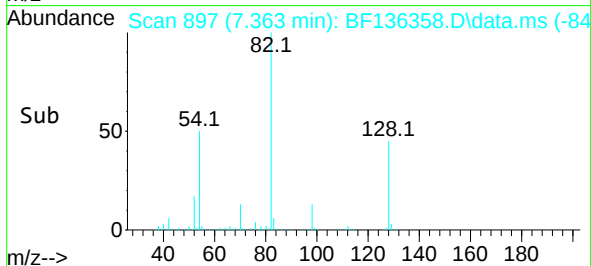
COMP-3



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 509490 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 44.9  | 33.4  | 50.2   |
| 54        | 49.7  | 41.7  | 62.5   |

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Supervised By :mohammad ahmed 12/05/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

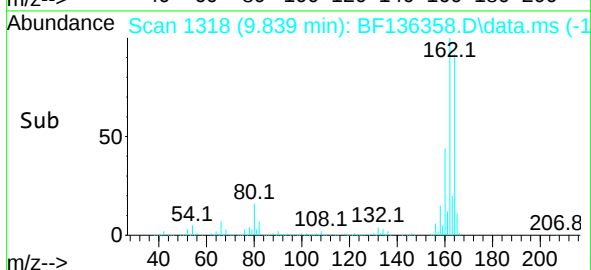
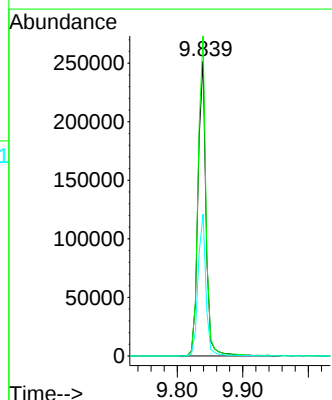
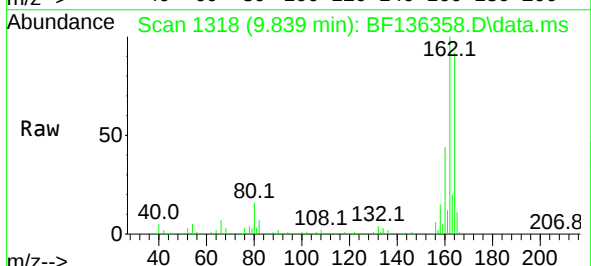
RT: 9.839 min Scan# 1318

Delta R.T. -0.006 min

Lab File: BF136358.D

Acq: 02 Dec 2023 03:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 214403 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 108.5 | 89.5  | 134.3  |
| 160       | 48.1  | 39.6  | 59.4   |





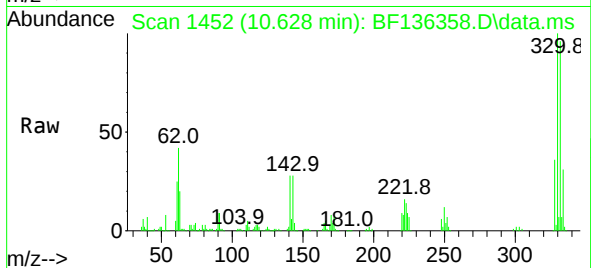
#42  
2,4,6-Tribromophenol  
Concen: 49.707 ng  
RT: 10.628 min Scan# 1454  
Delta R.T. -0.012 min  
Lab File: BF136358.D  
Acq: 02 Dec 2023 03:28

Instrument :

BNA\_F

ClientSampleId :

COMP-3



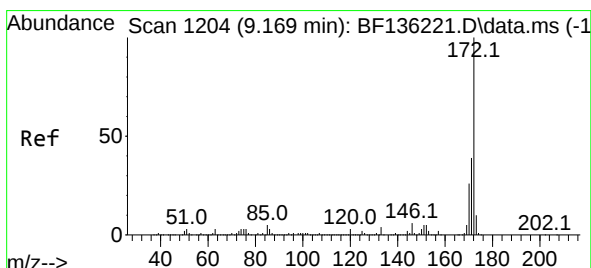
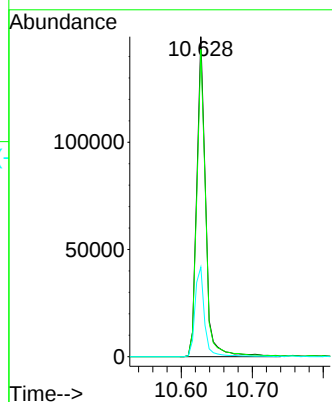
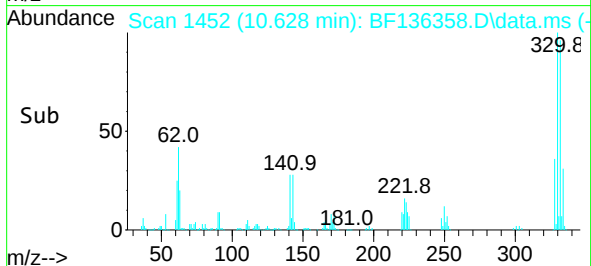
Tgt Ion:330 Resp: 130294  
Ion Ratio Lower Upper  
330 100  
332 96.3 73.0 109.6  
141 30.1 24.2 36.2

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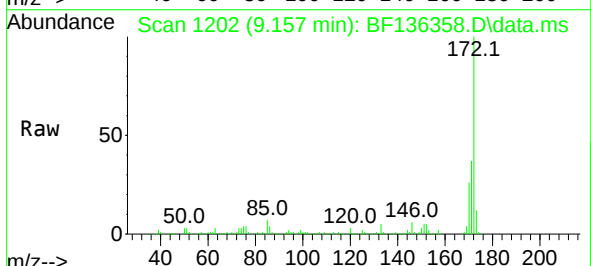
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Reviewed By :Yogesh Patel 12/04/2023

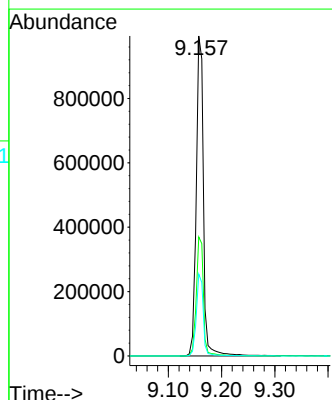
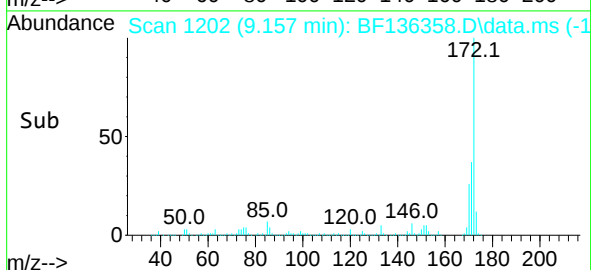
Supervised By :mohammad ahmed 12/05/2023

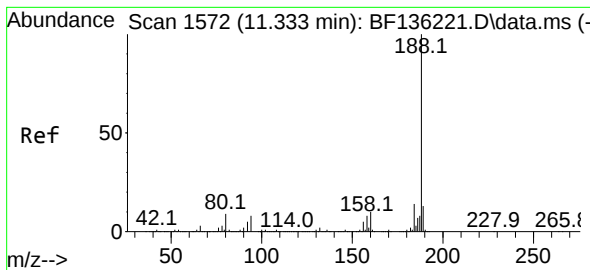


#45  
2-Fluorobiphenyl  
Concen: 55.786 ng  
RT: 9.157 min Scan# 1202  
Delta R.T. -0.012 min  
Lab File: BF136358.D  
Acq: 02 Dec 2023 03:28



Tgt Ion:172 Resp: 936404  
Ion Ratio Lower Upper  
172 100  
171 37.2 31.5 47.3  
170 25.6 20.8 31.2





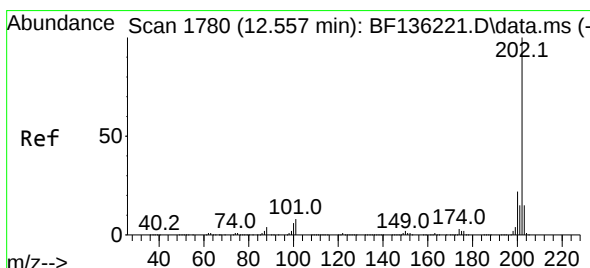
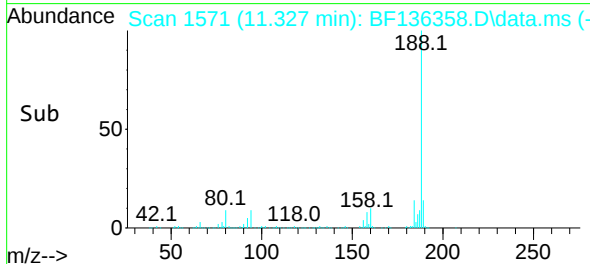
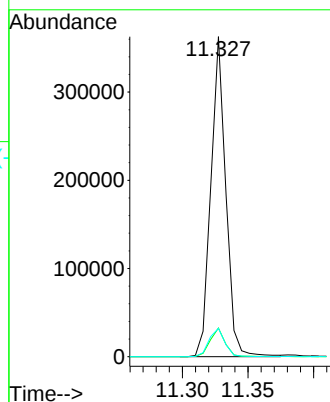
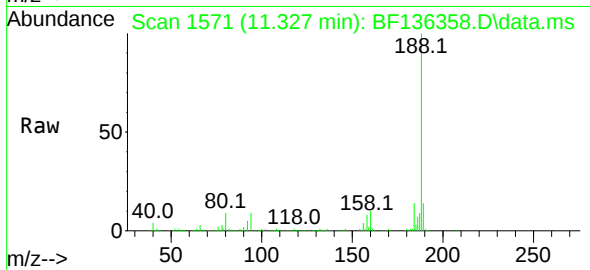
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.327 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136358.D  
Acq: 02 Dec 2023 03:28

Instrument :  
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ClientSampleId :  
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Tgt Ion:188 Resp: 28882  
Ion Ratio Lower Upper  
188 100  
94 8.9 6.7 10.1  
80 8.8 7.2 10.8

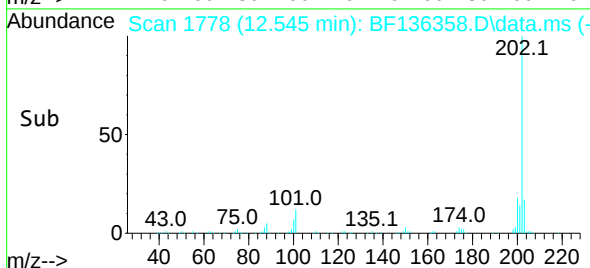
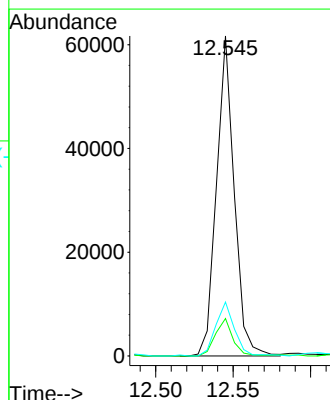
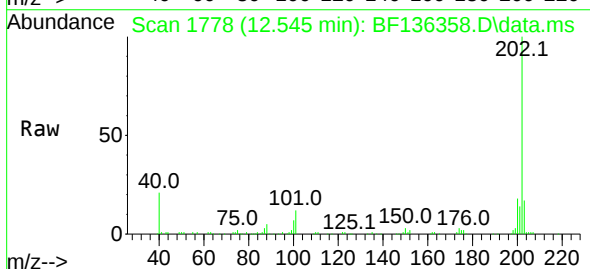
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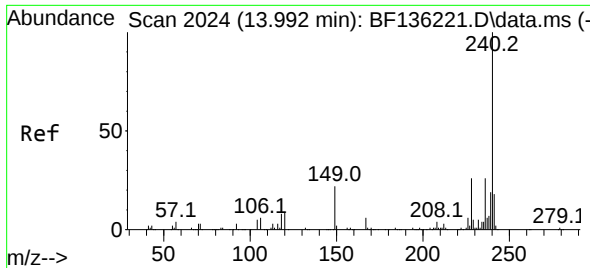
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023



#75  
Fluoranthene  
Concen: 2.980 ng  
RT: 12.545 min Scan# 1778  
Delta R.T. -0.012 min  
Lab File: BF136358.D  
Acq: 02 Dec 2023 03:28

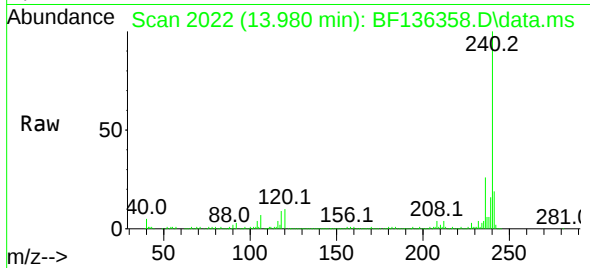
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Ion Ratio Lower Upper  
202 100  
101 11.7 0.0 27.8  
203 16.9 0.0 34.5





#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.980 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: BF136358.D  
Acq: 02 Dec 2023 03:28

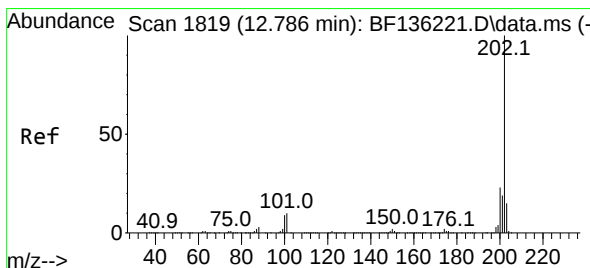
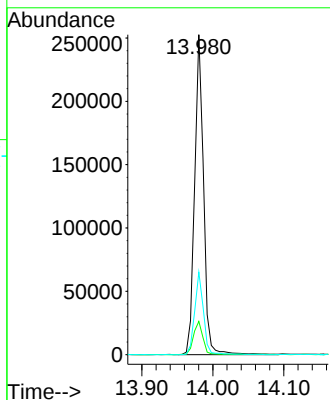
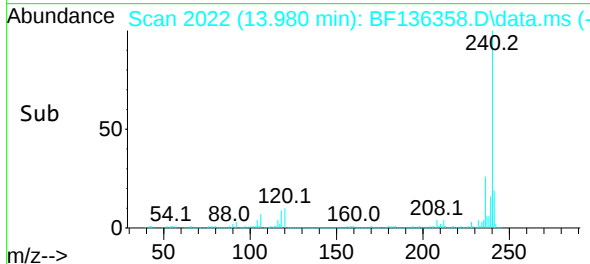
Instrument :  
BNA\_F  
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COMP-3



Tgt Ion:240 Resp: 22226  
Ion Ratio Lower Upper  
240 100  
120 10.4 7.4 11.2  
236 25.8 21.1 31.7

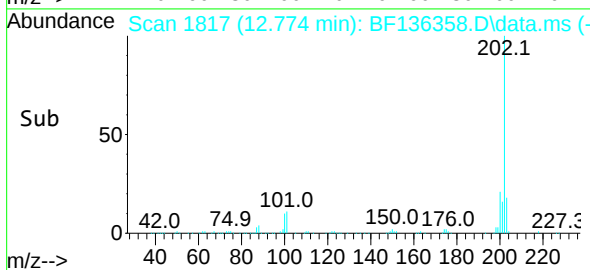
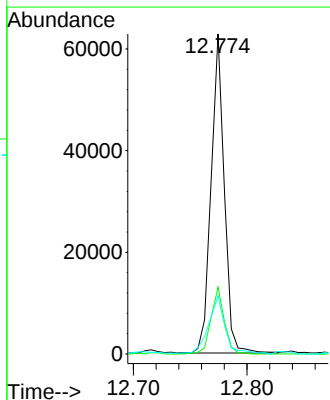
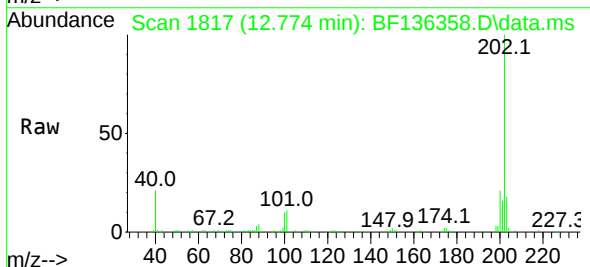
Manual Integrations  
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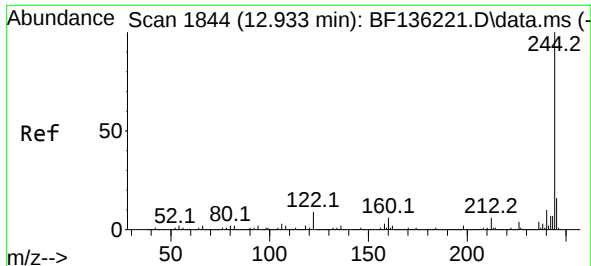
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023



#78  
Pyrene  
Concen: 2.082 ng  
RT: 12.774 min Scan# 1817  
Delta R.T. -0.012 min  
Lab File: BF136358.D  
Acq: 02 Dec 2023 03:28

Tgt Ion:202 Resp: 50667  
Ion Ratio Lower Upper  
202 100  
200 20.8 18.4 27.6  
203 18.1 11.8 17.6#





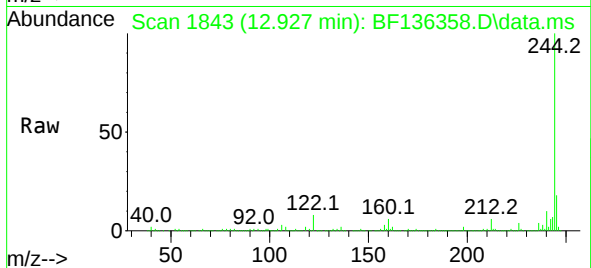
#79  
 Terphenyl-d14  
 Concen: 35.263 ng  
 RT: 12.927 min Scan# 1843  
 Delta R.T. -0.006 min  
 Lab File: BF136358.D  
 Acq: 02 Dec 2023 03:28

Instrument :

BNA\_F

ClientSampleId :

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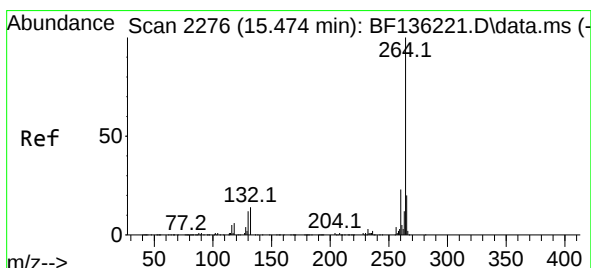
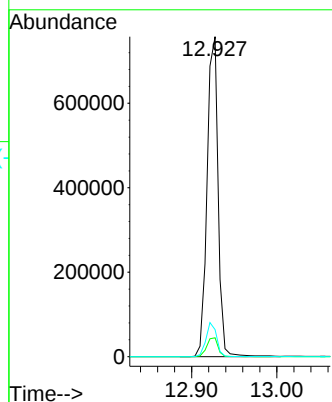
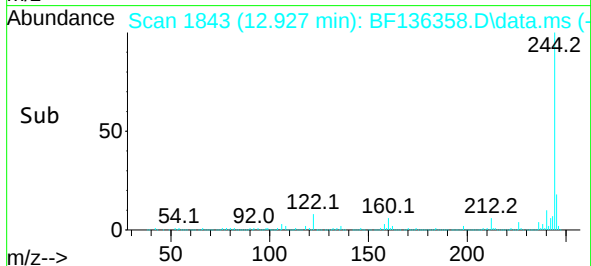


Tgt Ion:244 Resp: 679478  
 Ion Ratio Lower Upper  
 244 100  
 212 5.9 4.6 7.0  
 122 8.5 7.3 10.9

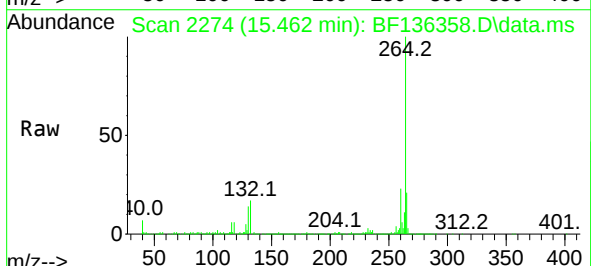
Manual Integrations

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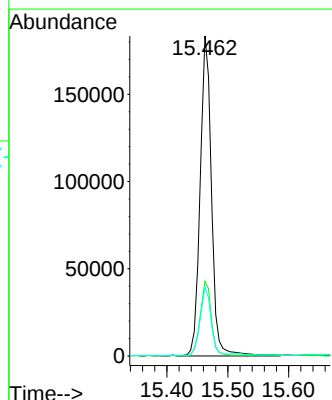
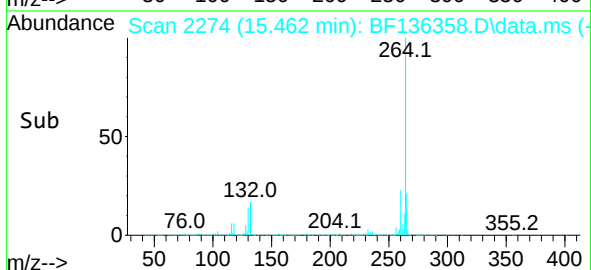
Reviewed By :Yogesh Patel 12/04/2023  
 Supervised By :mohammad ahmed 12/05/2023

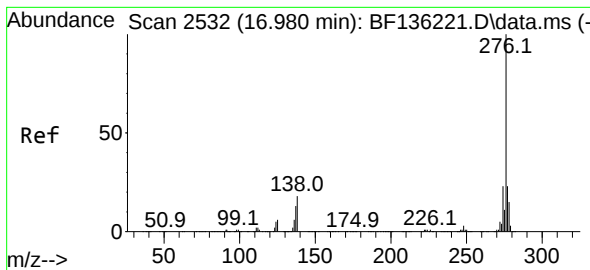


#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.462 min Scan# 2274  
 Delta R.T. -0.012 min  
 Lab File: BF136358.D  
 Acq: 02 Dec 2023 03:28



Tgt Ion:264 Resp: 238733  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 18.6 27.8  
 265 21.4 15.7 23.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.323 ng

RT: 16.962 min Scan# 2529

Delta R.T. -0.018 min

Lab File: BF136358.D

Acq: 02 Dec 2023 03:28

Instrument :

BNA\_F

ClientSampleId :

COMP-3

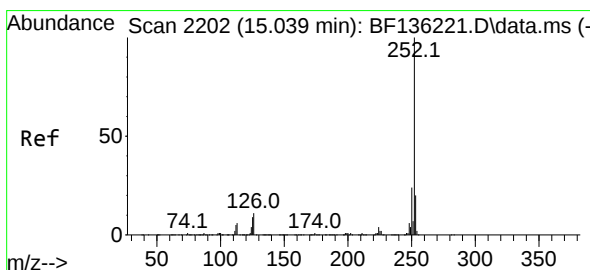
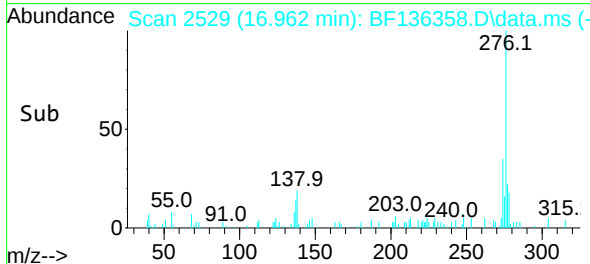
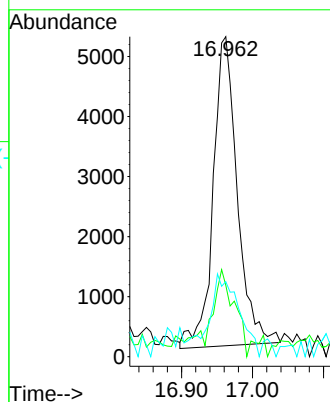
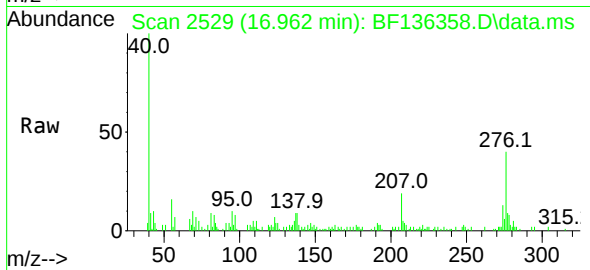
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 276   | Resp: | 1217 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 138       | 20.8  | 17.7  | 26.5 |
| 277       | 32.9  | 19.6  | 29.4 |

Manual Integrations

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Reviewed By :Yogesh Patel 12/04/2023

Supervised By :mohammad ahmed 12/05/2023



#88

Benzo(b)fluoranthene

Concen: 2.013 ng m

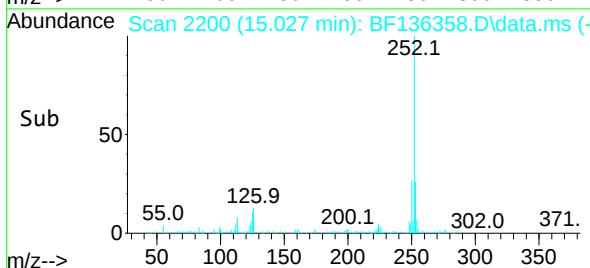
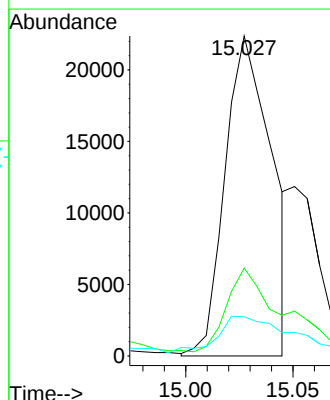
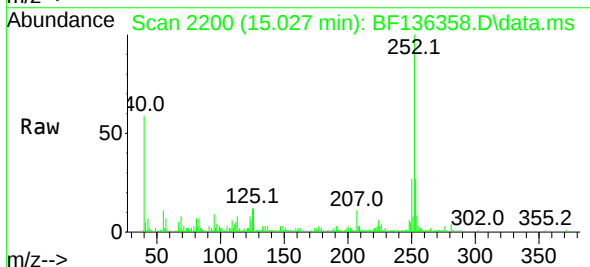
RT: 15.027 min Scan# 2200

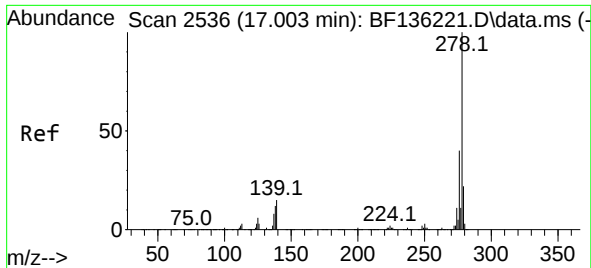
Delta R.T. -0.012 min

Lab File: BF136358.D

Acq: 02 Dec 2023 03:28

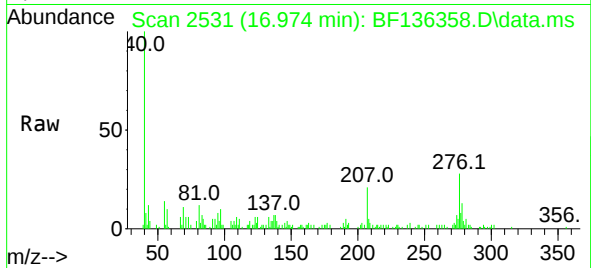
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 33712 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 27.5  | 16.2  | 24.2# |
| 125       | 12.3  | 6.9   | 10.3# |





#91  
Dibenzo(a,h)anthracene  
Concen: 2.984 ng  
RT: 16.974 min Scan# 211  
Delta R.T. -0.029 min  
Lab File: BF136358.D  
Acq: 02 Dec 2023 03:28

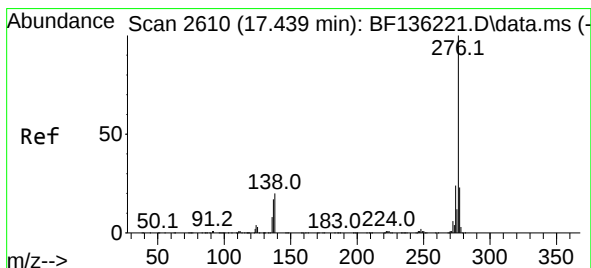
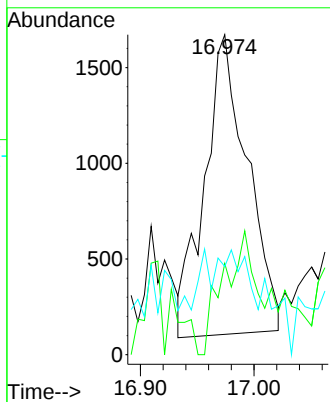
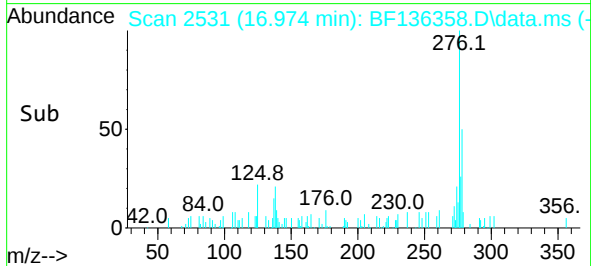
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-3



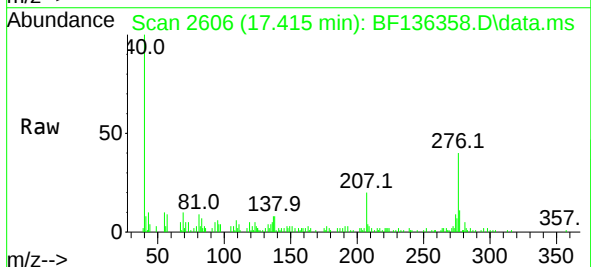
Tgt Ion: 278 Resp: 411  
Ion Ratio Lower Upper  
278 100  
139 28.5 11.7 17.5  
279 27.6 17.8 26.8

Manual Integrations  
APPROVED

Reviewed By : Yogesh Patel 12/04/2023  
Supervised By : mohammad ahmed 12/05/2023



#92  
Benzo(g,h,i)perylene  
Concen: 2.778 ng  
RT: 17.415 min Scan# 2606  
Delta R.T. -0.024 min  
Lab File: BF136358.D  
Acq: 02 Dec 2023 03:28



Tgt Ion: 276 Resp: 13127  
Ion Ratio Lower Upper  
276 100  
277 27.5 18.6 27.8  
138 20.5 15.8 23.8

