

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071923\  
 Data File : BF134360.D  
 Acq On : 19 Jul 2023 15:50  
 Operator : CG\JU  
 Sample : 03597-20  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RB-51-(2-5)

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/20/2023  
 Supervised By :mohammad ahmed 07/20/2023

Quant Time: Jul 19 16:16:27 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 14 22:51:27 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.839  | 152  | 81121    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.116  | 136  | 306200   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.874  | 164  | 146755   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.368 | 188  | 245587   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.033 | 240  | 152244   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.539 | 264  | 134790   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.481  | 112  | 534524   | 110.222 | ng    | 0.01     |
| 7) Phenol-d6                | 6.486  | 99   | 646044   | 108.325 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.404  | 82   | 452651   | 79.688  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.674 | 330  | 215957   | 117.367 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.198  | 172  | 885488   | 87.725  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.968 | 244  | 804531   | 85.049  | ng    | 0.00     |
| Target Compounds            |        |      |          |         |       |          |
|                             |        |      |          |         |       | Qvalue   |
| 71) Phenanthrene            | 11.392 | 178  | 61600    | 4.983   | ng    | 98       |
| 75) Fluoranthene            | 12.592 | 202  | 67736    | 5.068   | ng    | 96       |
| 78) Pyrene                  | 12.821 | 202  | 58286    | 4.114   | ng    | 98       |
| 81) Benzo(a)anthracene      | 14.021 | 228  | 22662    | 2.146   | ng    | 96       |
| 83) Chrysene                | 14.057 | 228  | 23134    | 2.262   | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 15.092 | 252  | 23505m   | 2.966   | ng    |          |
| 90) Benzo(a)pyrene          | 15.474 | 252  | 16123    | 2.104   | ng    | 97       |
| -----                       |        |      |          |         |       |          |

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

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Instrument :  
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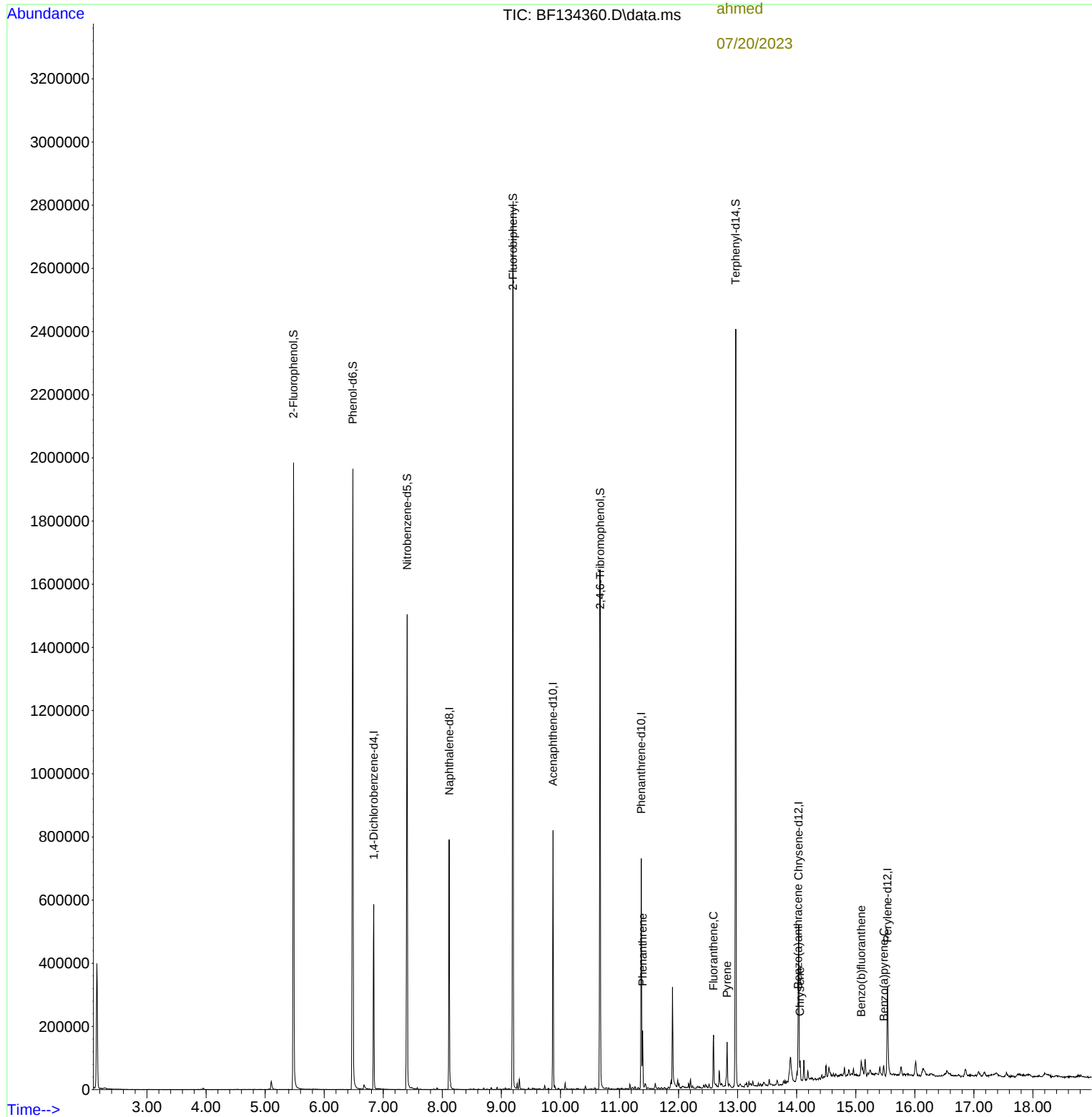
Quant Time: Jul 19 16:16:27 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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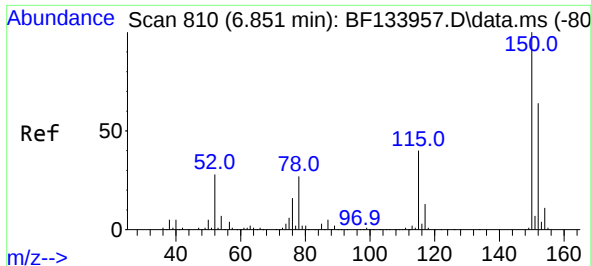
Manual Integrations  
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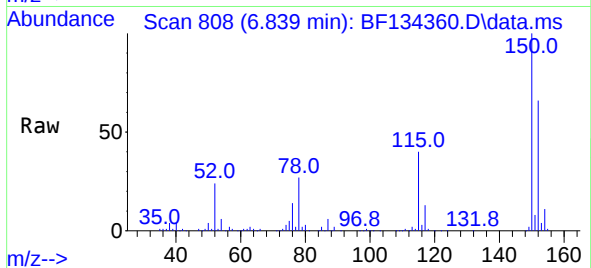
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.839 min Scan# 810  
Delta R.T. -0.006 min  
Lab File: BF134360.D  
Acq: 19 Jul 2023 15:50

Instrument :

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RB-51-(2-5)



Tgt Ion:152 Resp: 8112  
Ion Ratio Lower Upper  
152 100  
150 152.5 124.5 186.7  
115 60.5 50.2 75.2

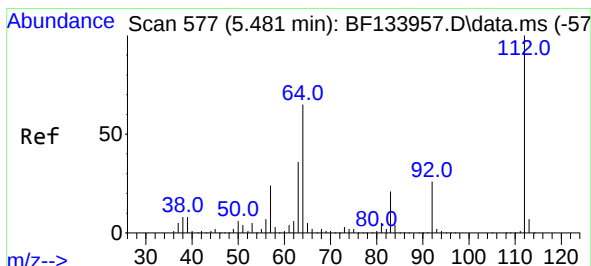
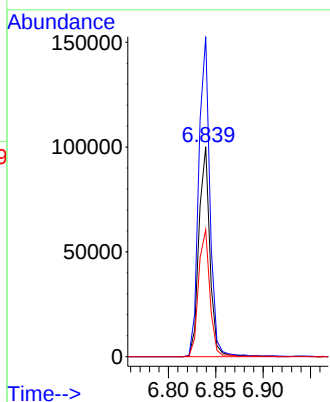
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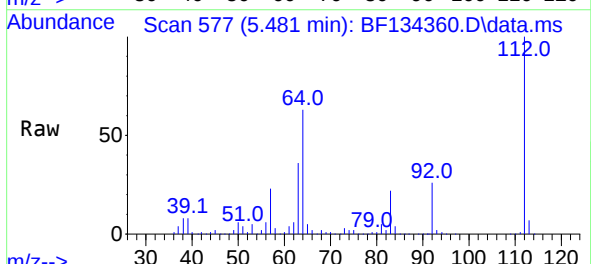
Reviewed By :Yogesh Patel 07/20/2023  
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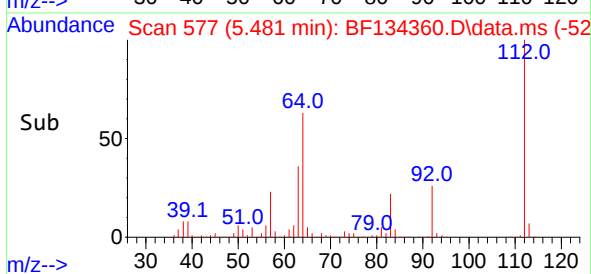
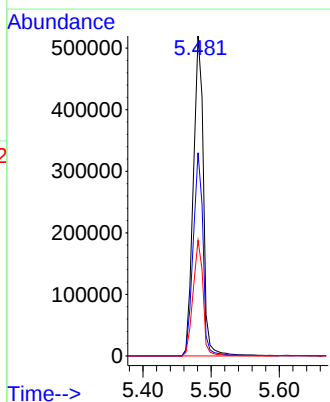
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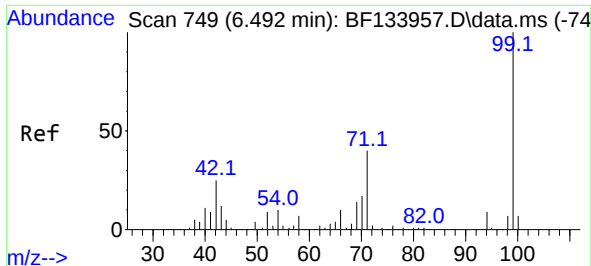


#5  
2-Fluorophenol  
Concen: 110.222 ng  
RT: 5.481 min Scan# 577  
Delta R.T. 0.012 min  
Lab File: BF134360.D  
Acq: 19 Jul 2023 15:50



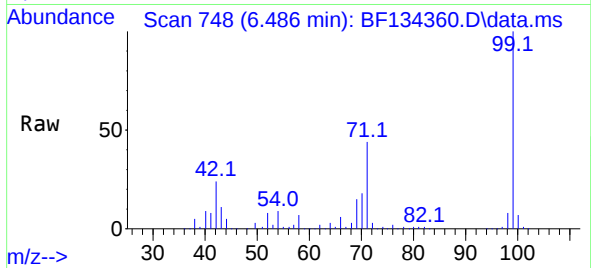
Tgt Ion:112 Resp: 534524  
Ion Ratio Lower Upper  
112 100  
64 63.5 52.1 78.1  
63 36.1 28.6 42.8





#7  
Phenol-d6  
Concen: 108.325 ng  
RT: 6.486 min Scan# 74  
Delta R.T. -0.000 min  
Lab File: BF134360.D  
Acq: 19 Jul 2023 15:50

Instrument :  
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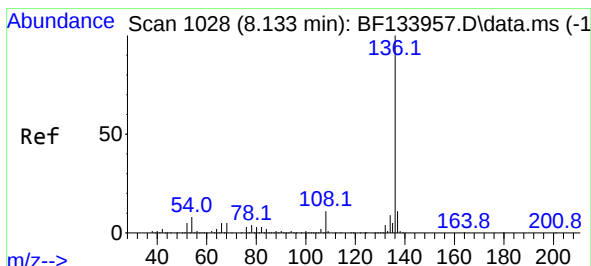
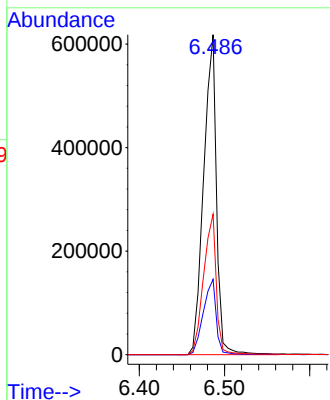
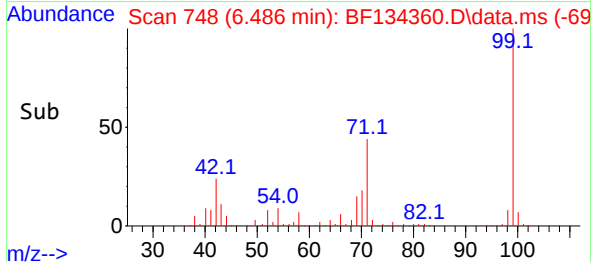
Tgt Ion: 99 Resp: 646044  
Ion Ratio Lower Upper  
99 100  
42 23.6 19.8 29.6  
71 43.9 31.9 47.9

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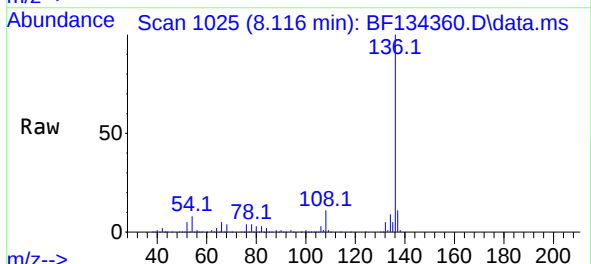
Reviewed By :Yogesh Patel 07/20/2023  
Supervised By :mohammad ahmed 07/20/2023

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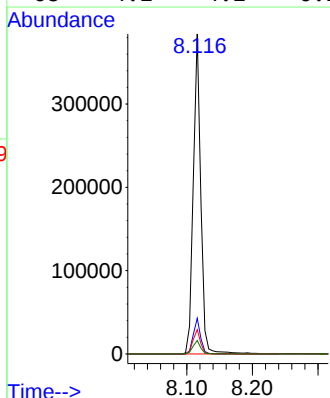
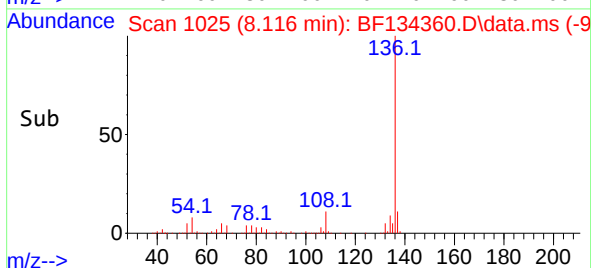
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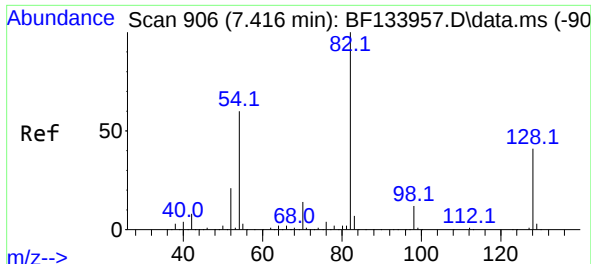


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.116 min Scan# 1025  
Delta R.T. -0.006 min  
Lab File: BF134360.D  
Acq: 19 Jul 2023 15:50



Tgt Ion:136 Resp: 306200  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.6 12.8  
54 7.6 6.5 9.7  
68 4.2 4.2 6.2





#23  
Nitrobenzene-d5  
Concen: 79.688 ng  
RT: 7.404 min Scan# 906  
Delta R.T. -0.006 min  
Lab File: BF134360.D  
Acq: 19 Jul 2023 15:50

Instrument :

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Tgt Ion: 82 Resp: 45265  
Ion Ratio Lower Upper  
82 100  
128 39.8 32.5 48.7  
54 55.8 48.2 72.2

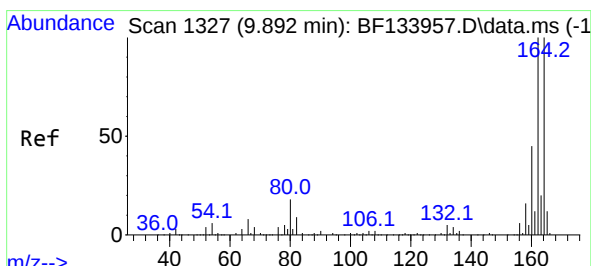
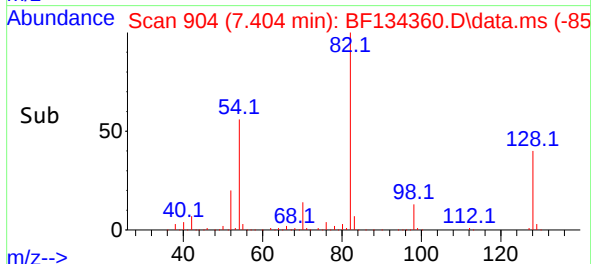
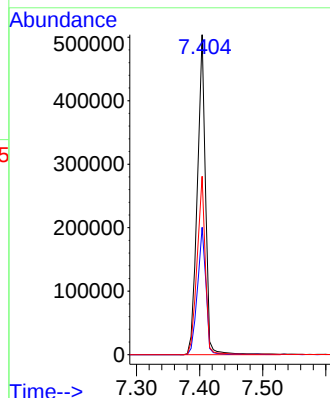
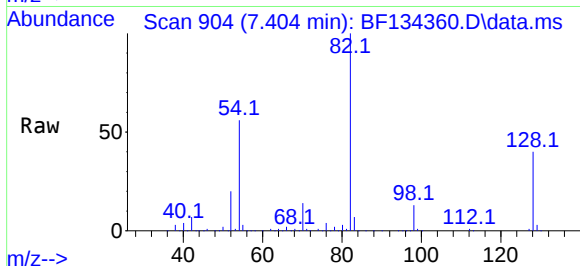
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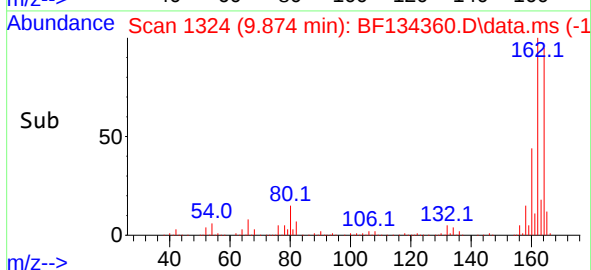
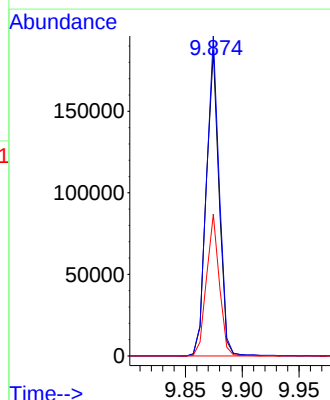
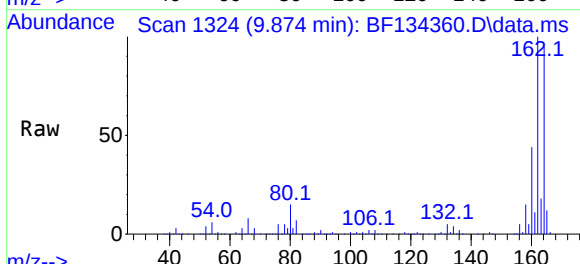
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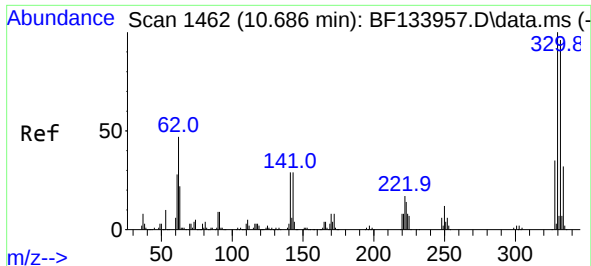
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#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.874 min Scan# 1324  
Delta R.T. -0.006 min  
Lab File: BF134360.D  
Acq: 19 Jul 2023 15:50

Tgt Ion:164 Resp: 146755  
Ion Ratio Lower Upper  
164 100  
162 104.8 80.0 120.0  
160 46.4 35.9 53.9





#42  
2,4,6-Tribromophenol  
Concen: 117.367 ng  
RT: 10.674 min Scan# 1460  
Delta R.T. -0.006 min  
Lab File: BF134360.D  
Acq: 19 Jul 2023 15:50

Instrument :

BNA\_F

ClientSampleId :

RB-51-(2-5)

Tgt Ion:330 Resp: 21595  
Ion Ratio Lower Upper  
330 100  
332 96.4 77.0 115.6  
141 31.3 26.3 39.5

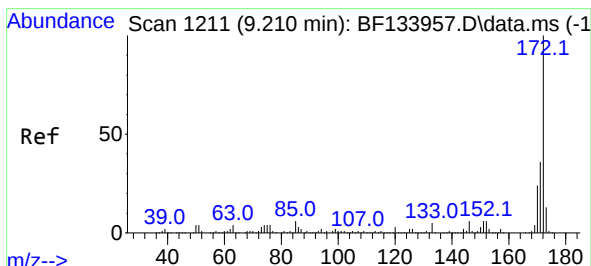
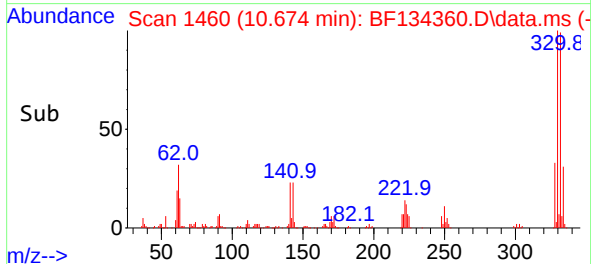
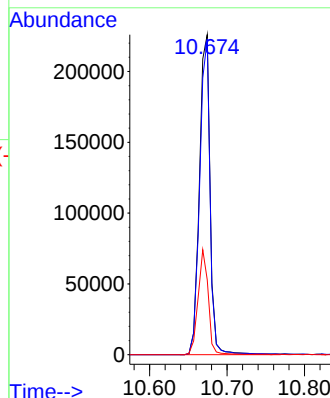
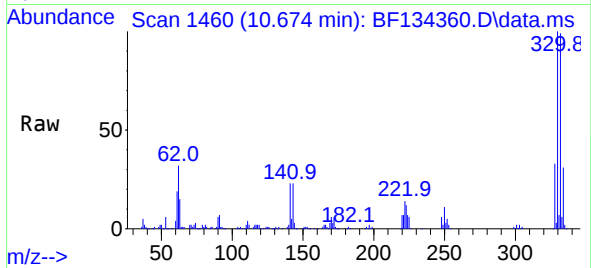
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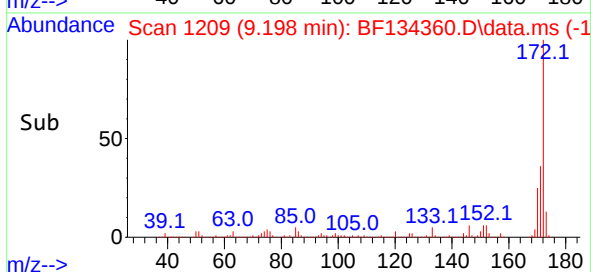
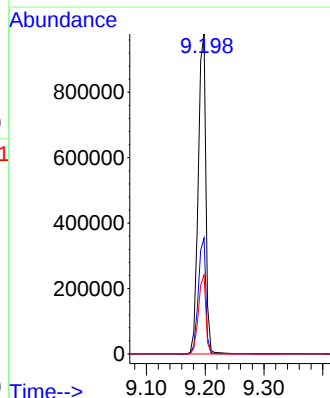
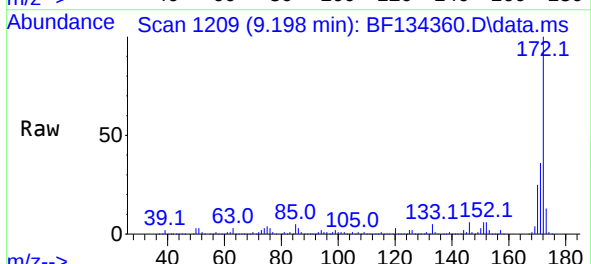
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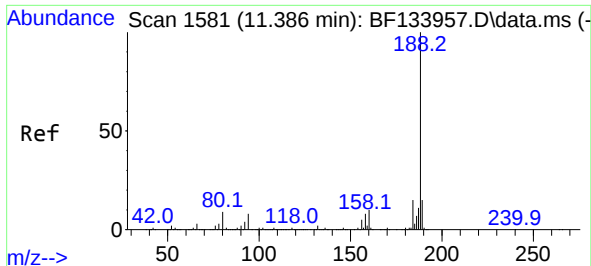
07/20/2023



#45  
2-Fluorobiphenyl  
Concen: 87.725 ng  
RT: 9.198 min Scan# 1209  
Delta R.T. -0.006 min  
Lab File: BF134360.D  
Acq: 19 Jul 2023 15:50

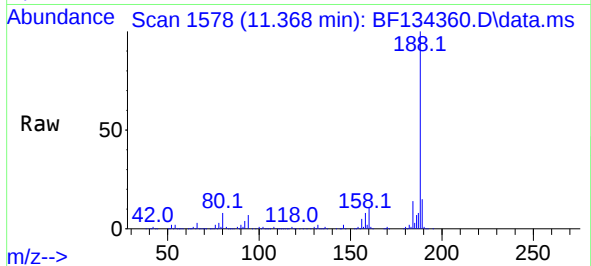
Tgt Ion:172 Resp: 885488  
Ion Ratio Lower Upper  
172 100  
171 36.2 28.6 43.0  
170 24.7 19.4 29.0





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.368 min Scan# 1581  
Delta R.T. -0.006 min  
Lab File: BF134360.D  
Acq: 19 Jul 2023 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
RB-51-(2-5)



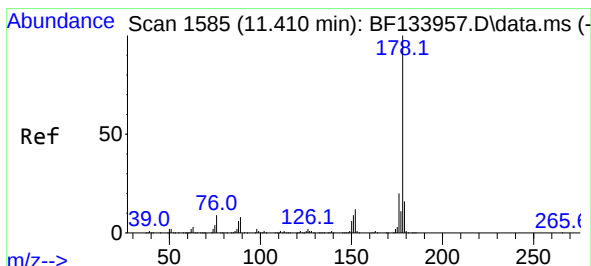
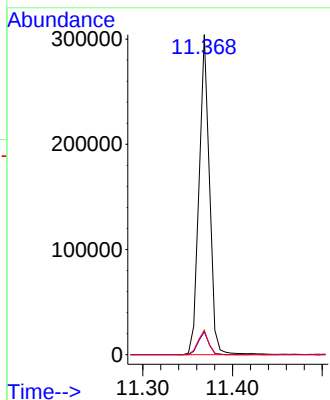
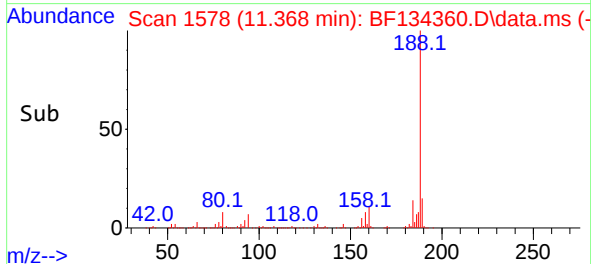
Tgt Ion:188 Resp: 24558  
Ion Ratio Lower Upper  
188 100  
94 7.2 6.4 9.6  
80 7.7 7.3 10.9

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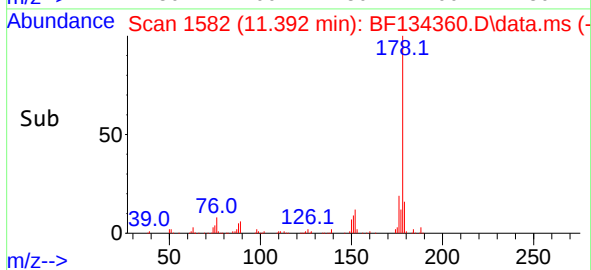
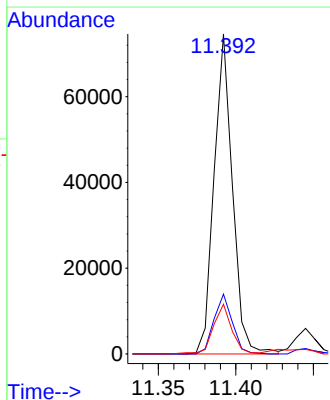
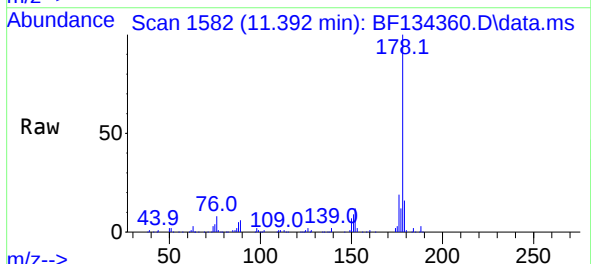
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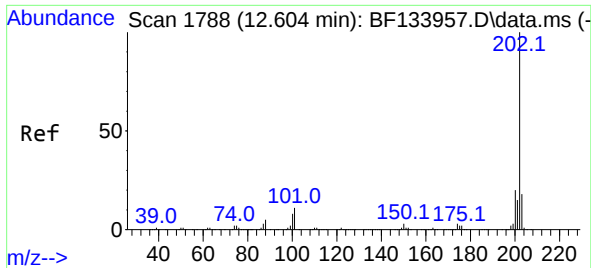
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#71  
Phenanthrene  
Concen: 4.983 ng  
RT: 11.392 min Scan# 1582  
Delta R.T. -0.012 min  
Lab File: BF134360.D  
Acq: 19 Jul 2023 15:50

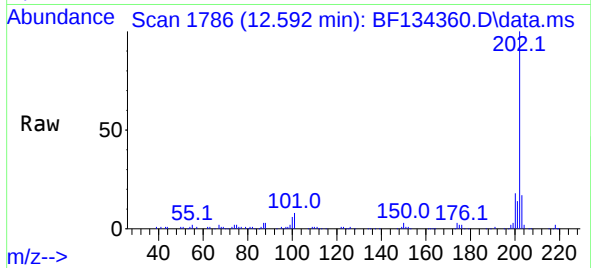
Tgt Ion:178 Resp: 61600  
Ion Ratio Lower Upper  
178 100  
176 18.7 16.0 24.0  
179 15.6 12.4 18.6





#75  
Fluoranthene  
Concen: 5.068 ng  
RT: 12.592 min Scan# 1786  
Delta R.T. -0.006 min  
Lab File: BF134360.D  
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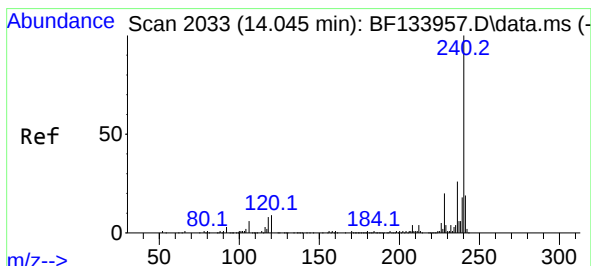
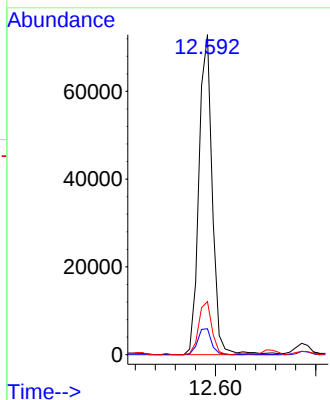
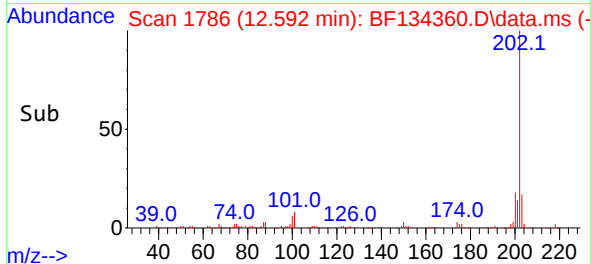
Tgt Ion:202 Resp: 67730  
Ion Ratio Lower Upper  
202 100  
101 8.1 0.0 31.0  
203 16.6 0.0 37.6

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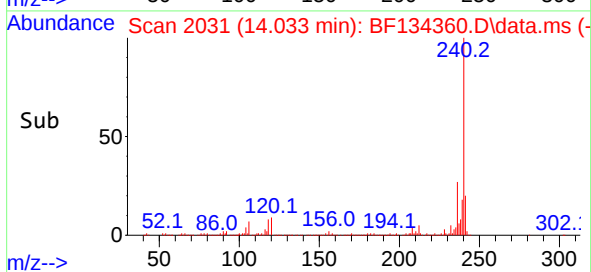
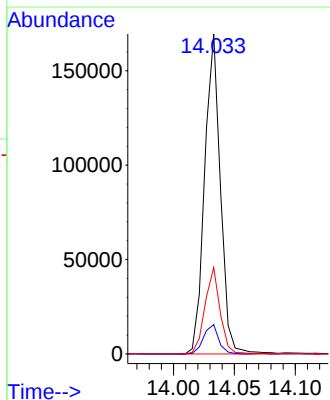
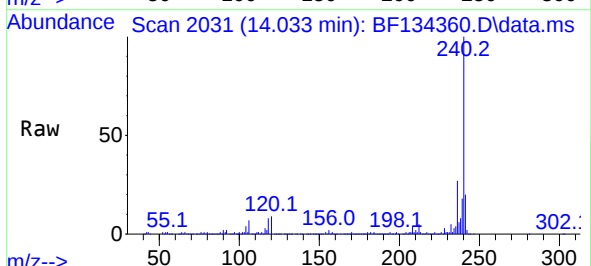
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Supervised By :mohammad  
ahmed

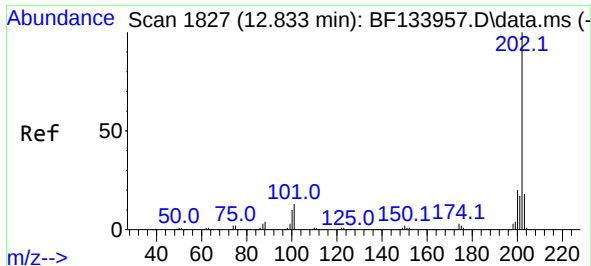
07/20/2023



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.033 min Scan# 2031  
Delta R.T. -0.006 min  
Lab File: BF134360.D  
Acq: 19 Jul 2023 15:50

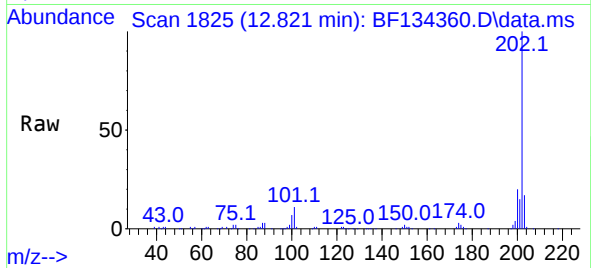
Tgt Ion:240 Resp: 152244  
Ion Ratio Lower Upper  
240 100  
120 9.1 7.4 11.0  
236 27.0 21.0 31.6





#78  
Pyrene  
Concen: 4.114 ng  
RT: 12.821 min Scan# 1825  
Delta R.T. -0.012 min  
Lab File: BF134360.D  
Acq: 19 Jul 2023 15:50

Instrument :  
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RB-51-(2-5)



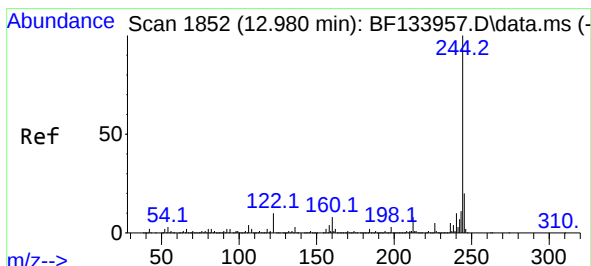
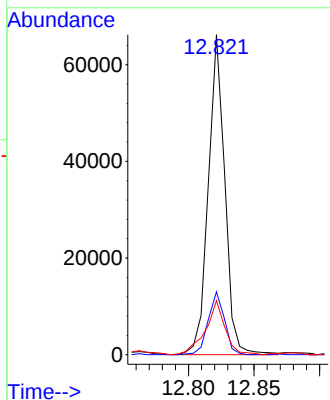
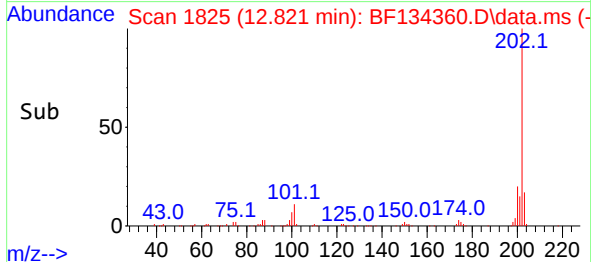
Tgt Ion:202 Resp: 58280  
Ion Ratio Lower Upper  
202 100  
200 19.6 16.1 24.1  
203 16.9 14.3 21.5

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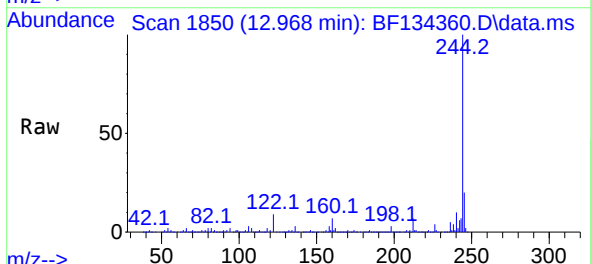
Reviewed By :Yogesh Patel 07/20/2023  
Supervised By :mohammad ahmed 07/20/2023

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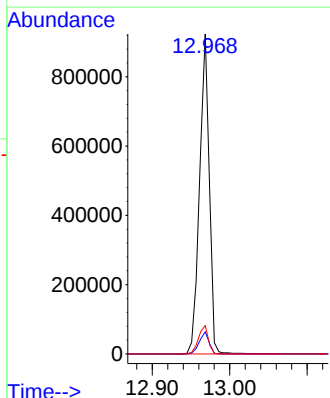
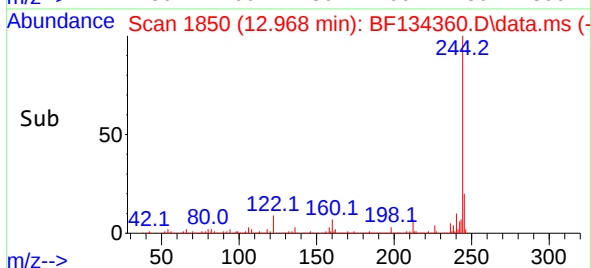
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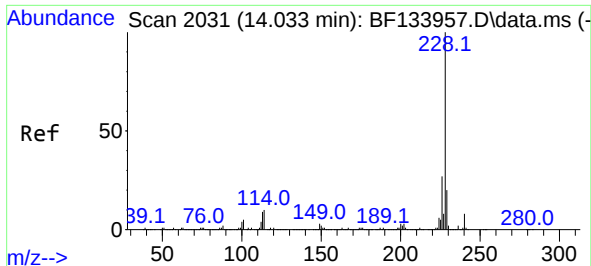


#79  
Terphenyl-d14  
Concen: 85.049 ng  
RT: 12.968 min Scan# 1850  
Delta R.T. -0.006 min  
Lab File: BF134360.D  
Acq: 19 Jul 2023 15:50



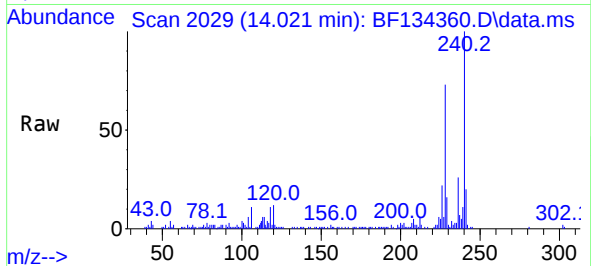
Tgt Ion:244 Resp: 804531  
Ion Ratio Lower Upper  
244 100  
212 6.9 6.0 9.0  
122 8.9 8.3 12.5





#81  
Benzo(a)anthracene  
Concen: 2.146 ng  
RT: 14.021 min Scan# 2031  
Delta R.T. -0.006 min  
Lab File: BF134360.D  
Acq: 19 Jul 2023 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
RB-51-(2-5)



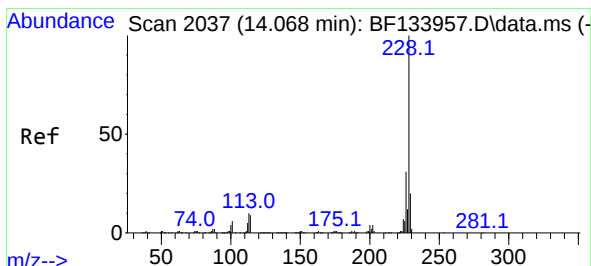
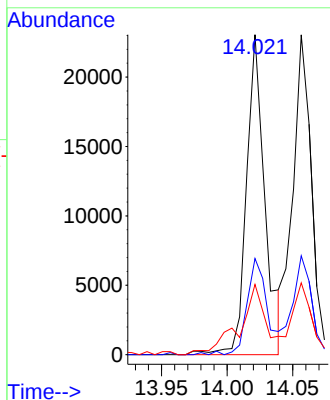
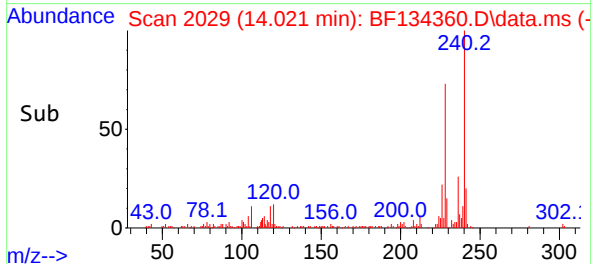
Tgt Ion:228 Resp: 2266  
Ion Ratio Lower Upper  
228 100  
226 30.1 22.0 33.0  
229 21.9 16.3 24.5

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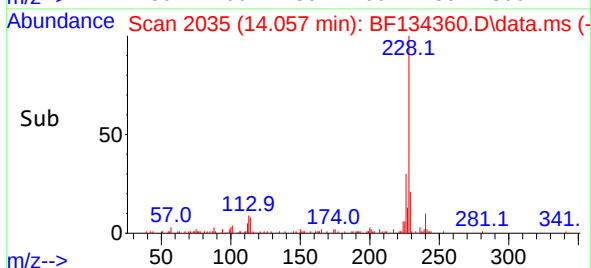
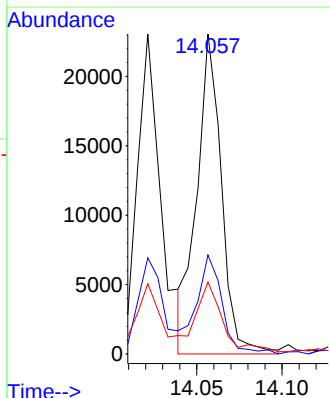
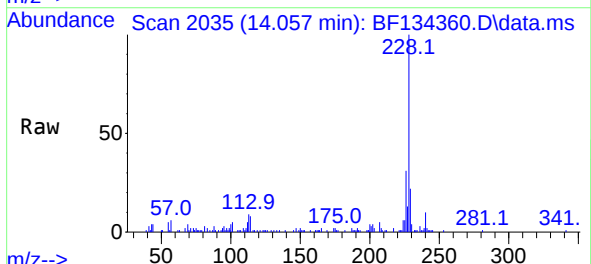
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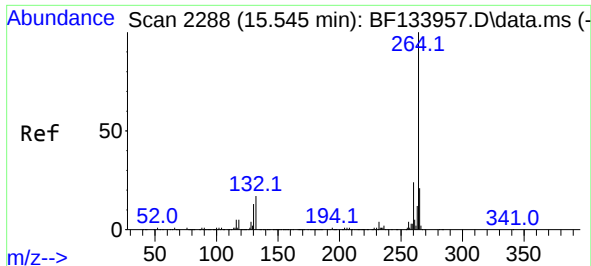
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#83  
Chrysene  
Concen: 2.262 ng  
RT: 14.057 min Scan# 2035  
Delta R.T. -0.012 min  
Lab File: BF134360.D  
Acq: 19 Jul 2023 15:50

Tgt Ion:228 Resp: 23134  
Ion Ratio Lower Upper  
228 100  
226 30.9 24.4 36.6  
229 22.5 16.1 24.1





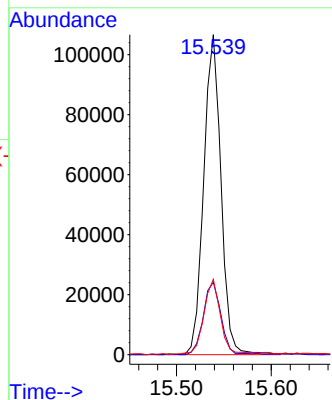
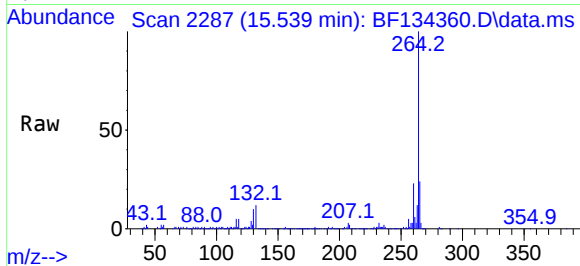
#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.539 min Scan# 2111  
Delta R.T. -0.006 min  
Lab File: BF134360.D  
Acq: 19 Jul 2023 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
RB-51-(2-5)

Tgt Ion:264 Resp: 134790  
Ion Ratio Lower Upper  
264 100  
260 22.7 19.5 29.3  
265 23.6 16.6 25.0

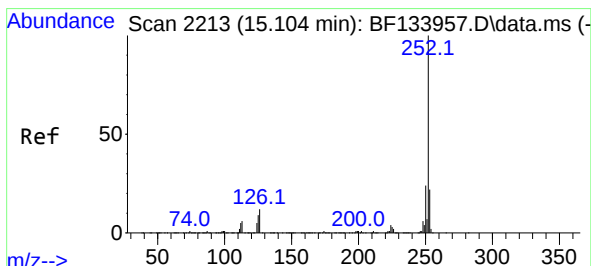
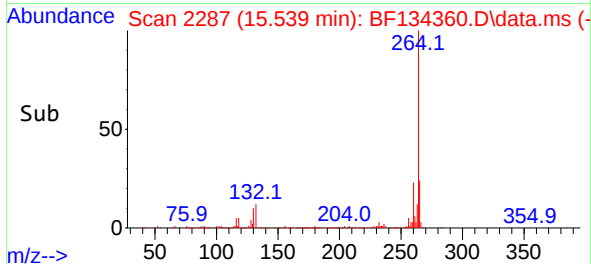
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Supervised By :mohammad ahmed 07/20/2023



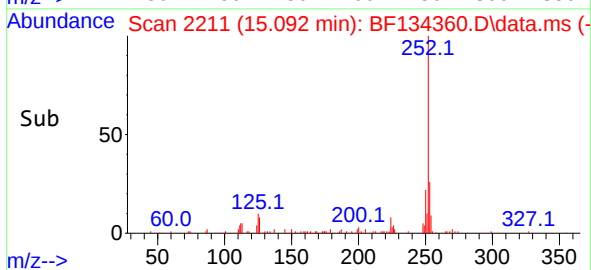
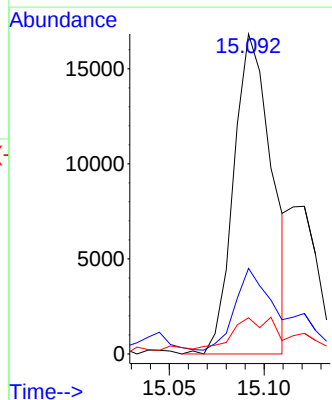
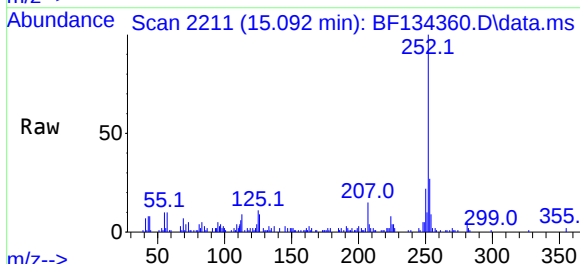
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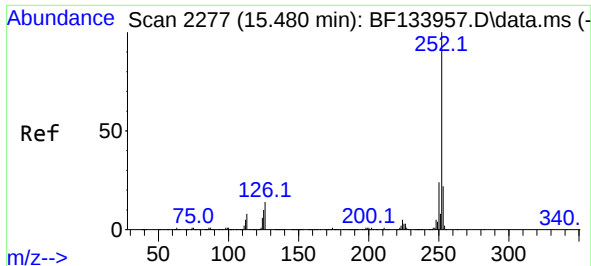
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#88  
Benzo(b)fluoranthene  
Concen: 2.966 ng m  
RT: 15.092 min Scan# 2211  
Delta R.T. -0.012 min  
Lab File: BF134360.D  
Acq: 19 Jul 2023 15:50

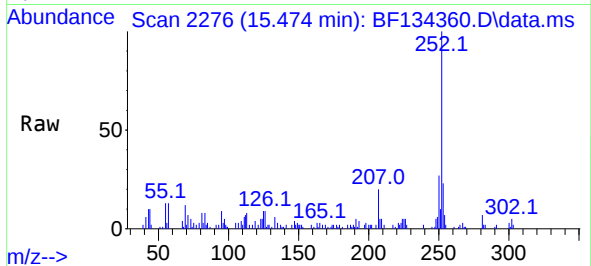
Tgt Ion:252 Resp: 23505  
Ion Ratio Lower Upper  
252 100  
253 26.7 17.4 26.0#  
125 11.3 7.1 10.7#





#90  
Benzo(a)pyrene  
Concen: 2.104 ng  
RT: 15.474 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF134360.D  
Acq: 19 Jul 2023 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
RB-51-(2-5)



Tgt Ion:252 Resp: 1612  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.4 26.0  
125 9.1 8.4 12.6

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07/20/2023

