

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080123\  
 Data File : BF134557.D  
 Acq On : 01 Aug 2023 19:56  
 Operator : CG\JU  
 Sample : 03645-02  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-04-(1-5)

Quant Time: Aug 02 02:45:35 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF080123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 02 02:20:34 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/02/2023  
 Supervised By :mohammad ahmed 08/02/2023

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.792  | 152  | 205461   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.069  | 136  | 825053   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 9.822  | 164  | 411202   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.310 | 188  | 731340   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12            | 13.951 | 240  | 404523   | 20.000  | ng    | #-0.01   |
| 86) Perylene-d12            | 15.409 | 264  | 444719   | 20.000  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.422  | 112  | 1334501  | 98.733  | ng    | 0.00     |
| 7) Phenol-d6                | 6.422  | 99   | 1743004  | 100.880 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.351  | 82   | 1024388  | 77.591  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.610 | 330  | 461559   | 110.110 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.151  | 172  | 1787663  | 72.284  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.904 | 244  | 1841570  | 80.254  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 50) Dimethylphthalate       | 9.539  | 163  | 115439   | 4.119   | ng    | 99       |
| 71) Phenanthrene            | 11.333 | 178  | 124814   | 3.213   | ng    | 97       |
| 75) Fluoranthene            | 12.521 | 202  | 168499   | 4.106   | ng    | 97       |
| 78) Pyrene                  | 12.751 | 202  | 134768   | 3.850   | ng    | 98       |
| 88) Benzo(b)fluoranthene    | 14.986 | 252  | 94696m   | 3.491   | ng    |          |
| -----                       |        |      |          |         |       |          |

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

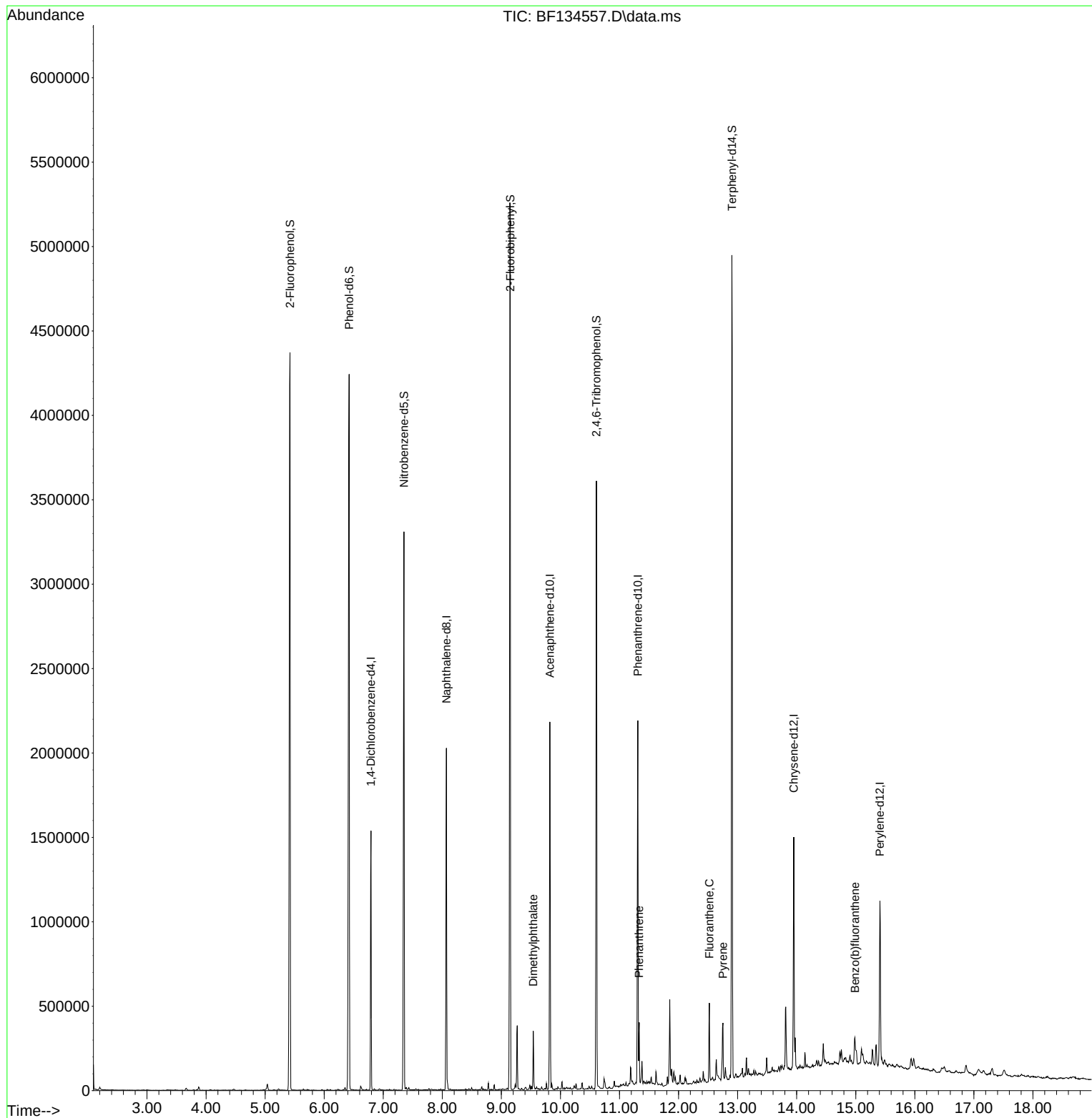
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080123\  
Data File : BF134557.D  
Acq On : 01 Aug 2023 19:56  
Operator : CG\JU  
Sample : 03645-02  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

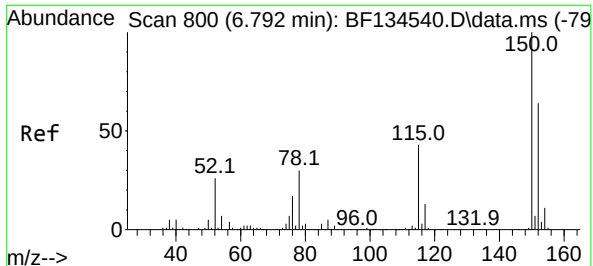
Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-(1-5)

Quant Time: Aug 02 02:45:35 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF080123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 02 02:20:34 2023  
Response via : Initial Calibration

Manual Integrations  
APPROVED

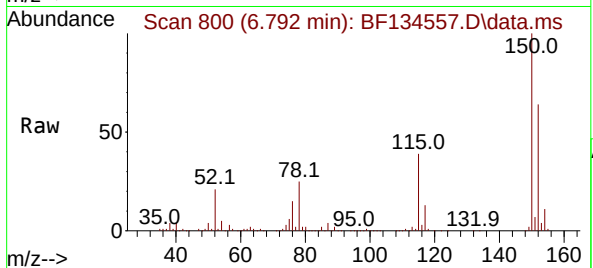
Reviewed By :Yogesh Patel 08/02/2023  
Supervised By :mohammad ahmed 08/02/2023





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.792 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: BF134557.D  
Acq: 01 Aug 2023 19:56

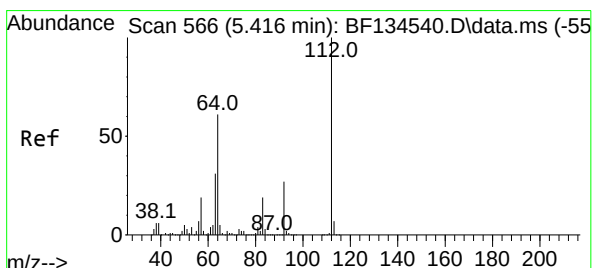
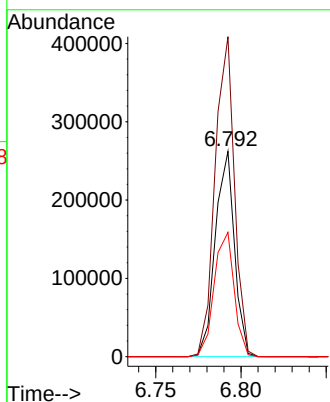
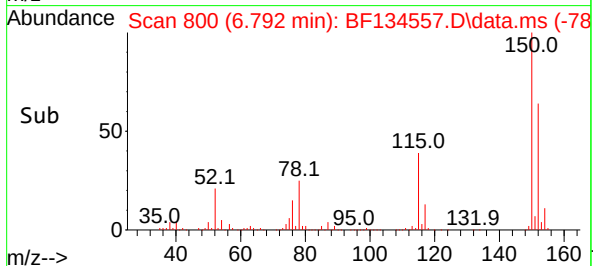
Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-(1-5)



Tgt Ion:152 Resp: 20546  
Ion Ratio Lower Upper  
152 100  
150 155.9 128.3 192.5  
115 60.6 52.4 78.6

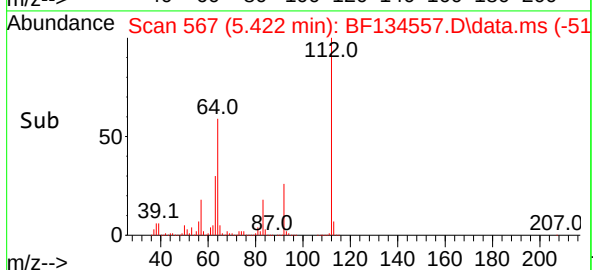
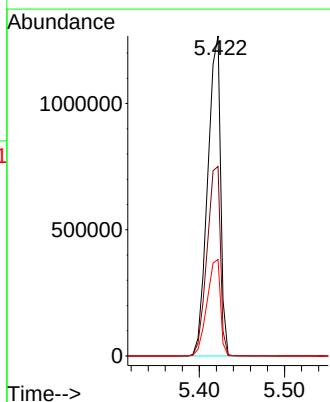
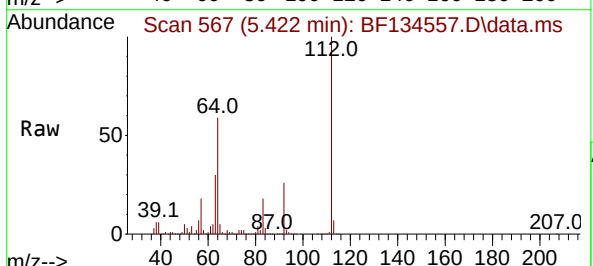
Manual Integrations  
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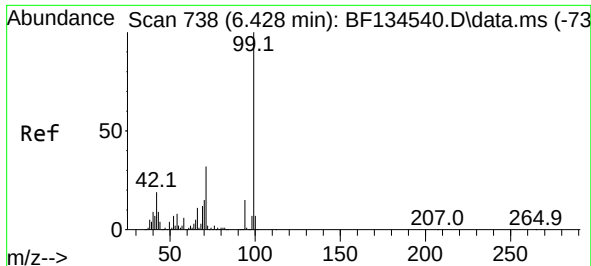
Reviewed By :Yogesh Patel 08/02/2023  
Supervised By :mohammad ahmed 08/02/2023



#5  
2-Fluorophenol  
Concen: 98.733 ng  
RT: 5.422 min Scan# 567  
Delta R.T. 0.006 min  
Lab File: BF134557.D  
Acq: 01 Aug 2023 19:56

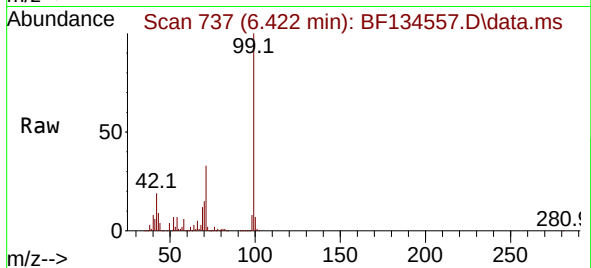
Tgt Ion:112 Resp: 1334501  
Ion Ratio Lower Upper  
112 100  
64 59.2 44.9 67.3  
63 30.1 25.4 38.0





#7  
Phenol-d6  
Concen: 100.880 ng  
RT: 6.422 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF134557.D  
Acq: 01 Aug 2023 19:56

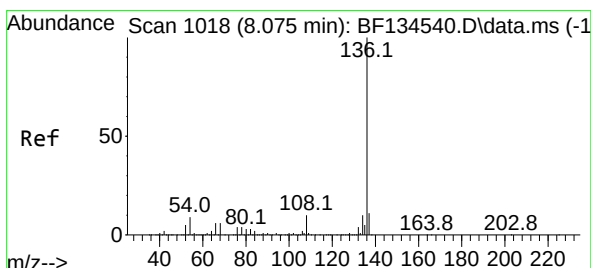
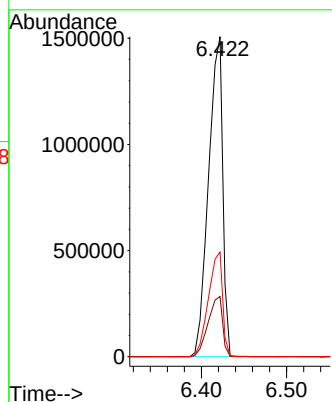
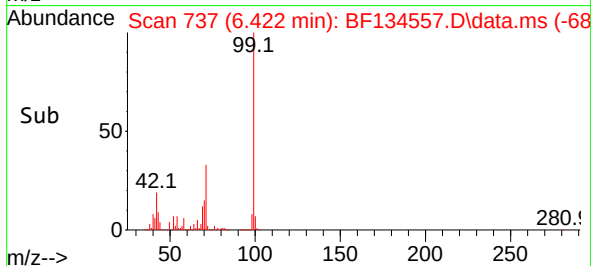
Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-(1-5)



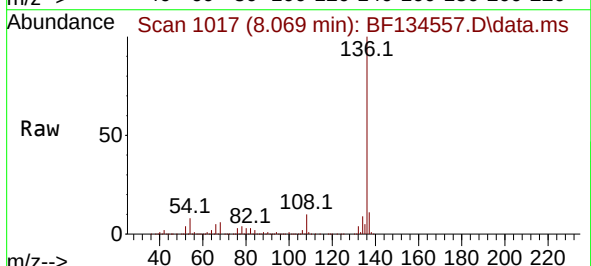
Tgt Ion: 99 Resp: 1743004  
Ion Ratio Lower Upper  
99 100  
42 18.8 18.7 28.1  
71 32.7 36.4 54.6

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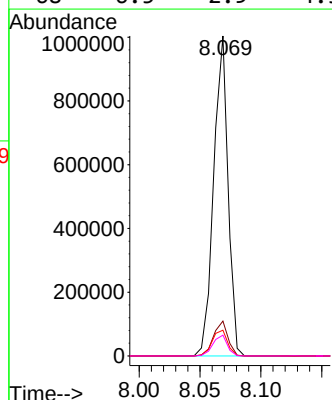
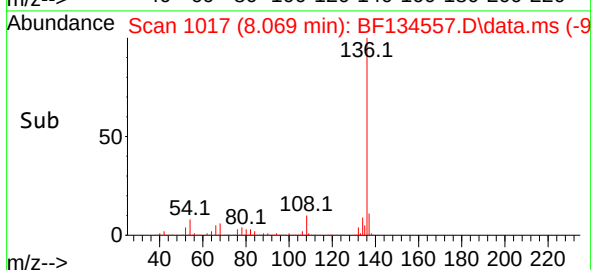
Reviewed By :Yogesh Patel 08/02/2023  
Supervised By :mohammad ahmed 08/02/2023

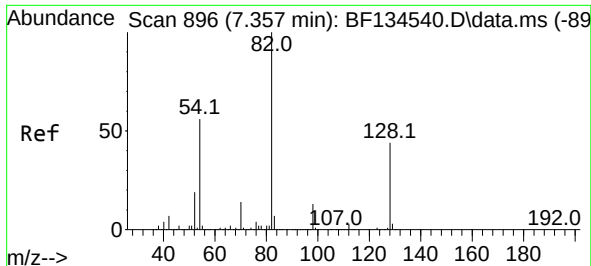


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.069 min Scan# 1017  
Delta R.T. -0.006 min  
Lab File: BF134557.D  
Acq: 01 Aug 2023 19:56



Tgt Ion:136 Resp: 825053  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.4 12.6  
54 8.1 5.2 7.8#  
68 6.5 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 77.591 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF134557.D

Acq: 01 Aug 2023 19:56

Instrument :

BNA\_F

ClientSampleId :

SB-04-(1-5)

Tgt Ion: 82 Resp: 102438

Ion Ratio Lower Upper

82 100

128 45.4 34.3 51.5

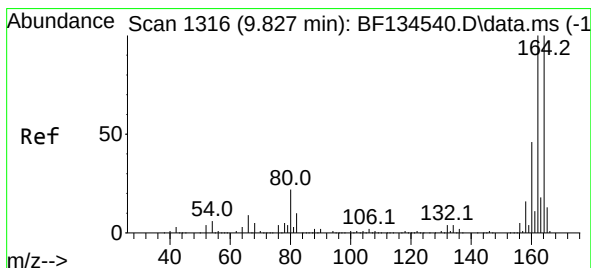
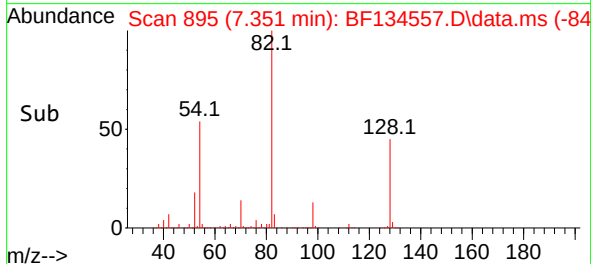
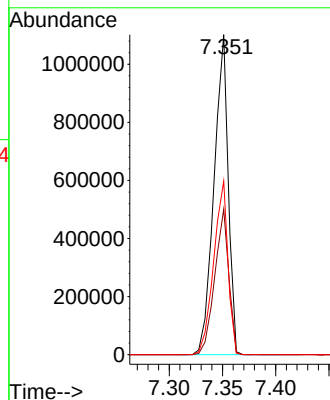
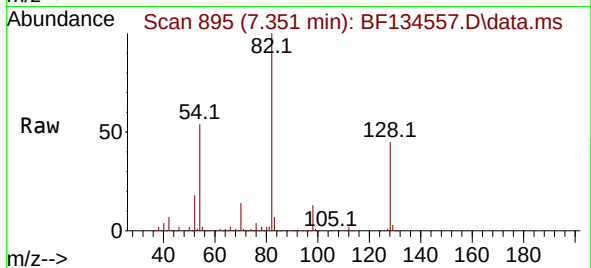
54 54.2 43.8 65.6

Manual Integrations

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Supervised By :mohammad ahmed 08/02/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF134557.D

Acq: 01 Aug 2023 19:56

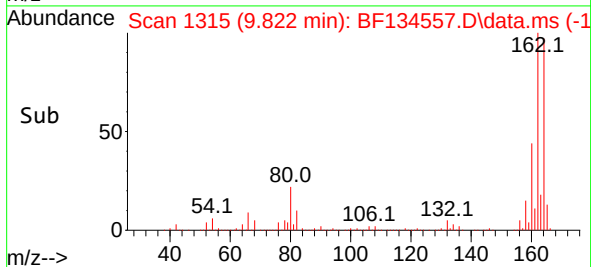
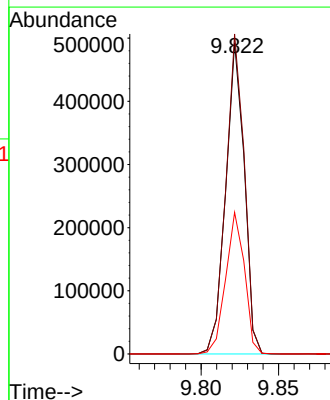
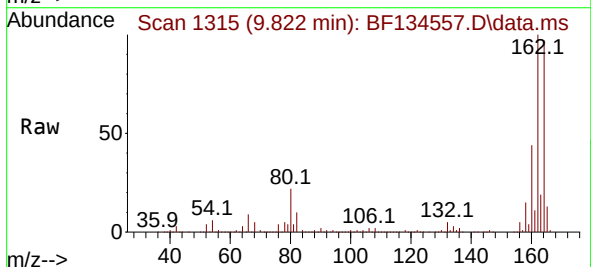
Tgt Ion:164 Resp: 411202

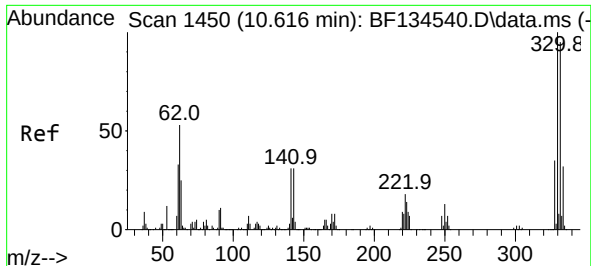
Ion Ratio Lower Upper

164 100

162 102.8 82.6 123.8

160 45.5 37.2 55.8





#42  
2,4,6-Tribromophenol  
Concen: 110.110 ng  
RT: 10.610 min Scan# 1449  
Delta R.T. -0.006 min  
Lab File: BF134557.D  
Acq: 01 Aug 2023 19:56

Instrument :

BNA\_F

ClientSampleId :

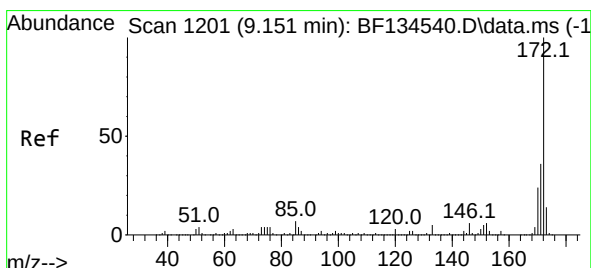
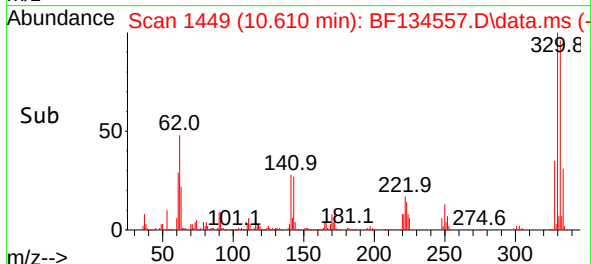
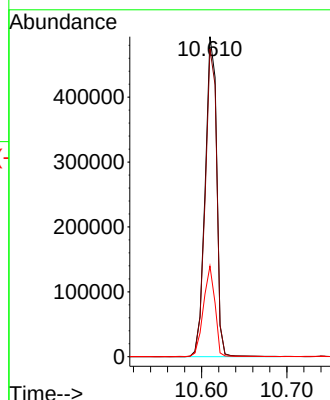
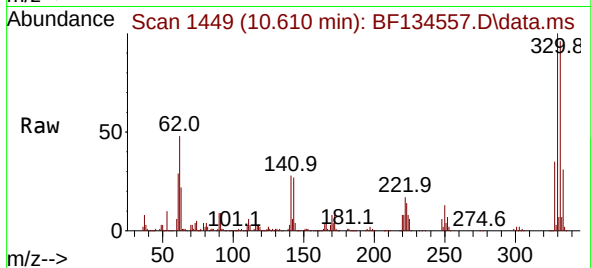
SB-04-(1-5)

Tgt Ion:330 Resp: 461559  
Ion Ratio Lower Upper  
330 100  
332 96.5 78.8 118.2  
141 28.6 25.4 38.2

Manual Integrations

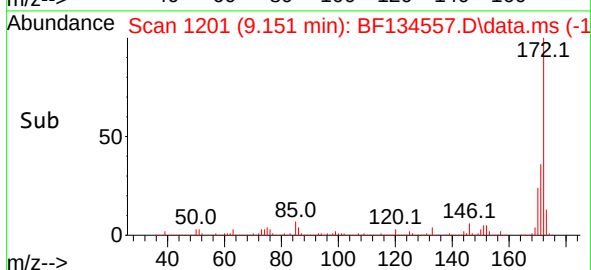
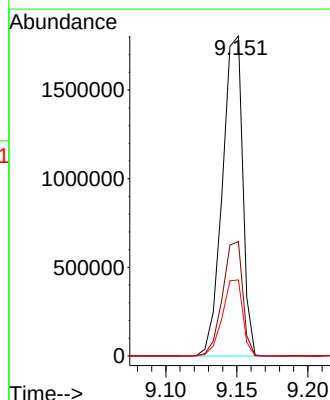
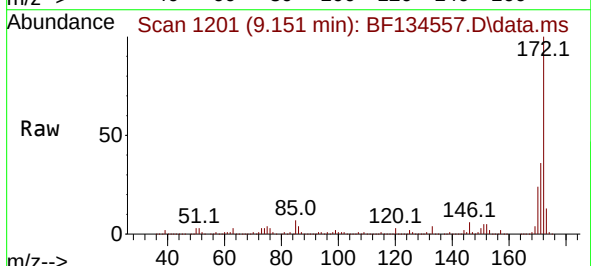
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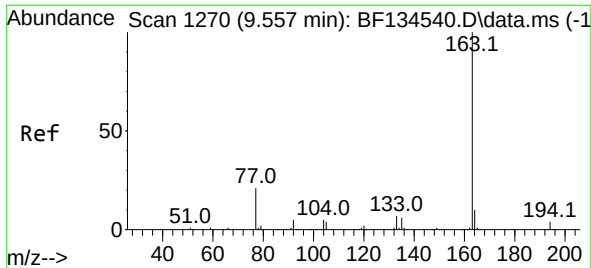
Reviewed By :Yogesh Patel 08/02/2023  
Supervised By :mohammad ahmed 08/02/2023



#45  
2-Fluorobiphenyl  
Concen: 72.284 ng  
RT: 9.151 min Scan# 1201  
Delta R.T. 0.000 min  
Lab File: BF134557.D  
Acq: 01 Aug 2023 19:56

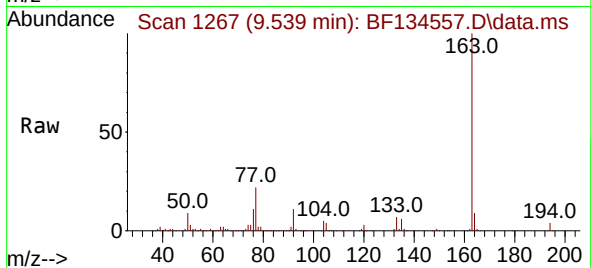
Tgt Ion:172 Resp: 1787663  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.8 43.2  
170 23.8 18.7 28.1





#50  
Dimethylphthalate  
Concen: 4.119 ng  
RT: 9.539 min Scan# 115439  
Delta R.T. -0.018 min  
Lab File: BF134557.D  
Acq: 01 Aug 2023 19:56

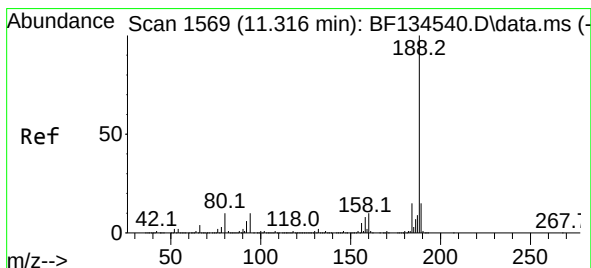
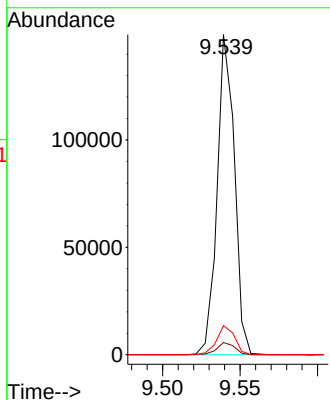
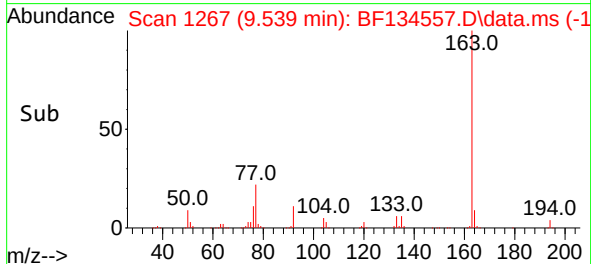
Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-(1-5)



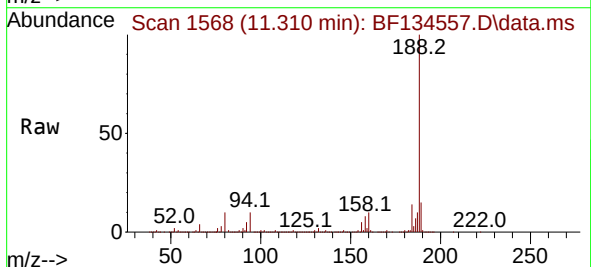
Tgt Ion:163 Resp: 115439  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.3 4.9  
164 9.1 7.5 11.3

Manual Integrations  
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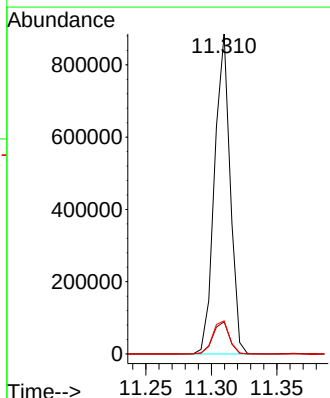
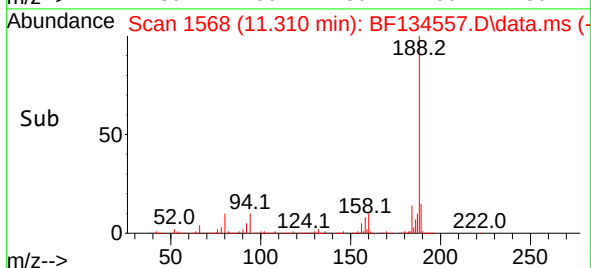
Reviewed By :Yogesh Patel 08/02/2023  
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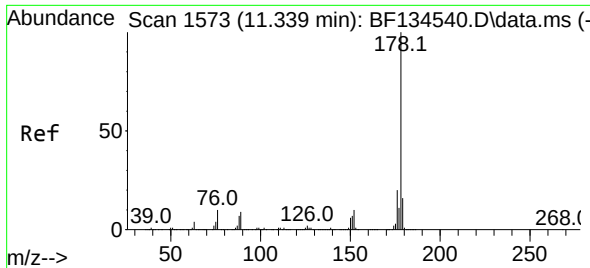


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.310 min Scan# 1568  
Delta R.T. -0.006 min  
Lab File: BF134557.D  
Acq: 01 Aug 2023 19:56



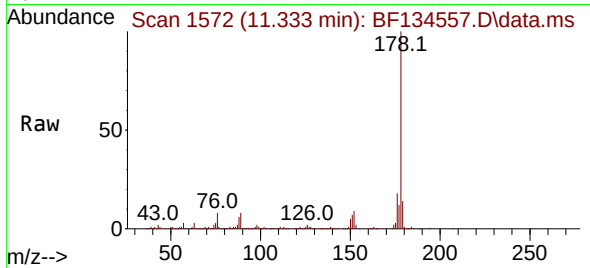
Tgt Ion:188 Resp: 731340  
Ion Ratio Lower Upper  
188 100  
94 10.0 5.1 7.7#  
80 10.4 6.6 9.8#





#71  
Phenanthrene  
Concen: 3.213 ng  
RT: 11.333 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF134557.D  
Acq: 01 Aug 2023 19:56

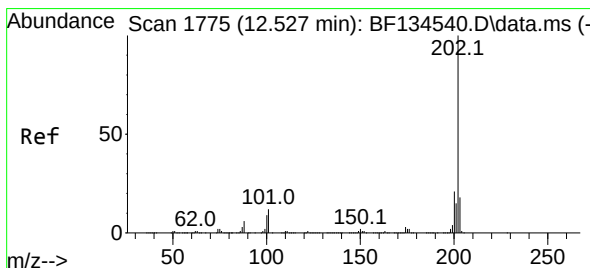
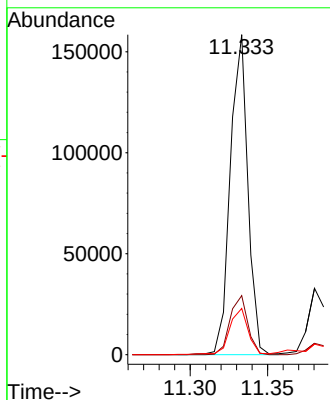
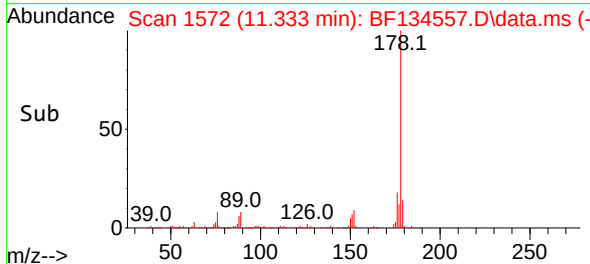
Instrument :  
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SB-04-(1-5)



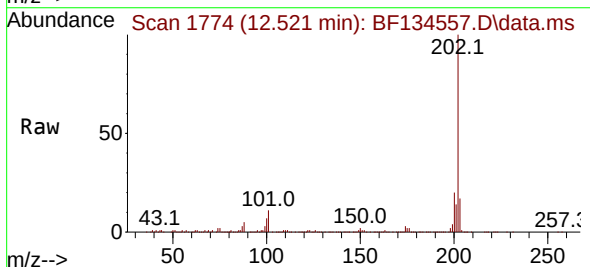
Tgt Ion:178 Resp: 124814  
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178 100  
176 18.5 15.8 23.6  
179 14.5 12.7 19.1

Manual Integrations  
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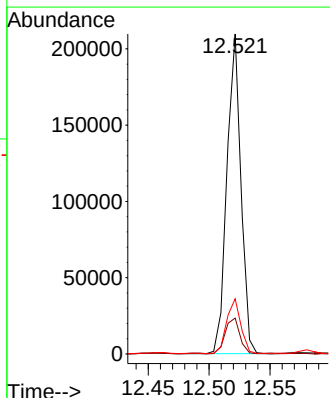
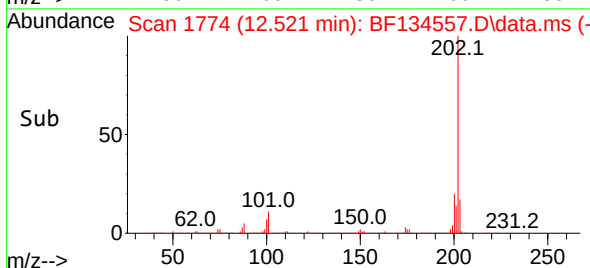
Reviewed By :Yogesh Patel 08/02/2023  
Supervised By :mohammad ahmed 08/02/2023



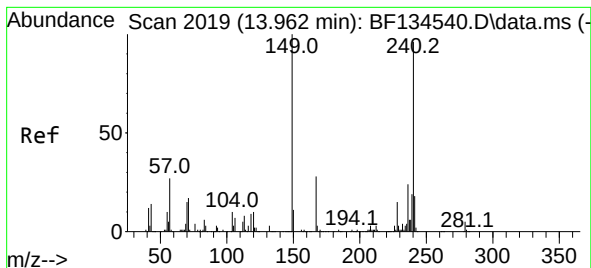
#75  
Fluoranthene  
Concen: 4.106 ng  
RT: 12.521 min Scan# 1774  
Delta R.T. -0.006 min  
Lab File: BF134557.D  
Acq: 01 Aug 2023 19:56



Tgt Ion:202 Resp: 168499  
Ion Ratio Lower Upper  
202 100  
101 11.2 0.0 28.5  
203 17.3 0.0 37.5







#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF134557.D

Acq: 01 Aug 2023 19:56

Instrument :

BNA\_F

ClientSampleId :

SB-04-(1-5)

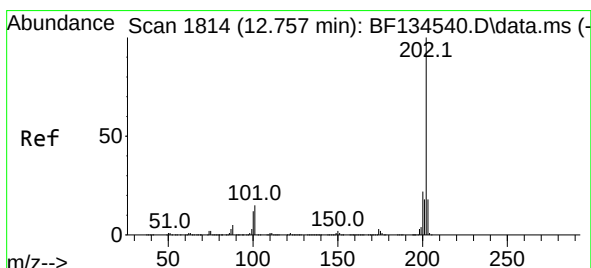
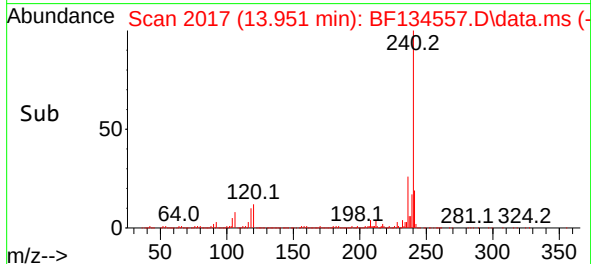
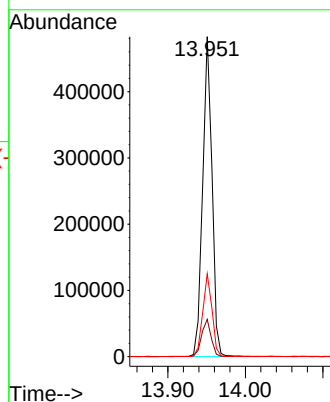
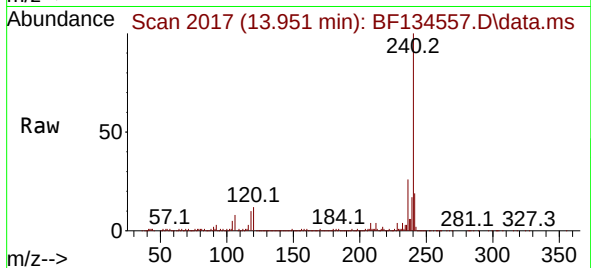
Tgt Ion:240 Resp: 40452  
 Ion Ratio Lower Upper  
 240 100  
 120 11.7 6.6 10.0  
 236 25.9 20.2 30.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/02/2023

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#78

Pyrene

Concen: 3.850 ng

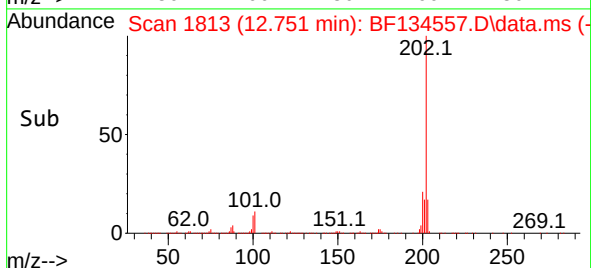
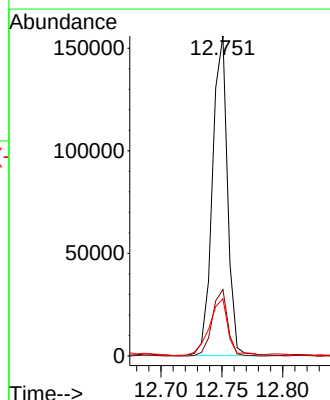
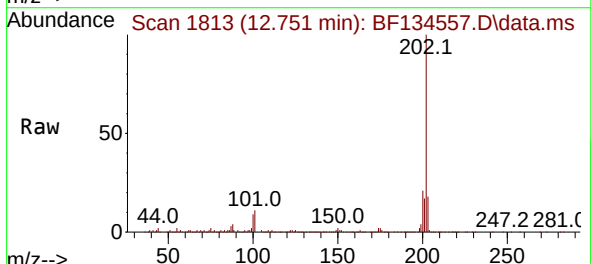
RT: 12.751 min Scan# 1813

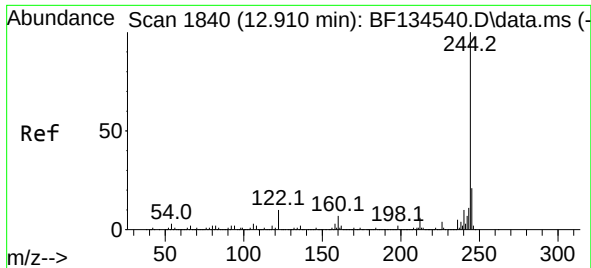
Delta R.T. -0.006 min

Lab File: BF134557.D

Acq: 01 Aug 2023 19:56

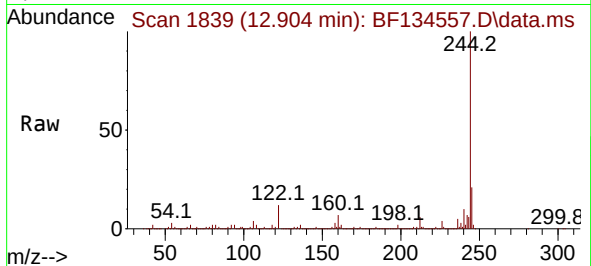
Tgt Ion:202 Resp: 134768  
 Ion Ratio Lower Upper  
 202 100  
 200 20.8 15.8 23.8  
 203 17.9 13.5 20.3





#79  
 Terphenyl-d14  
 Concen: 80.254 ng  
 RT: 12.904 min Scan# 1839  
 Delta R.T. -0.006 min  
 Lab File: BF134557.D  
 Acq: 01 Aug 2023 19:56

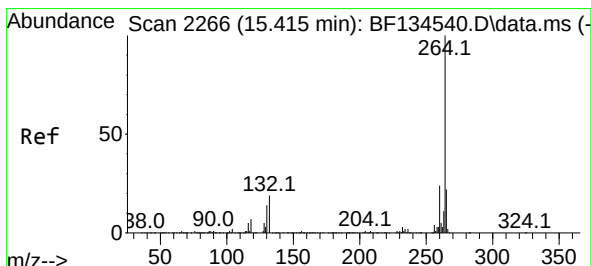
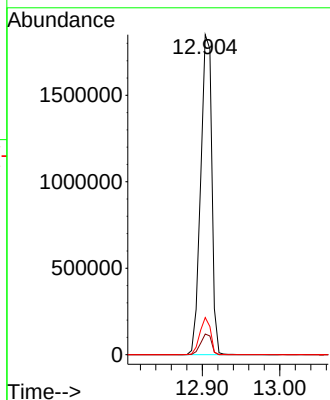
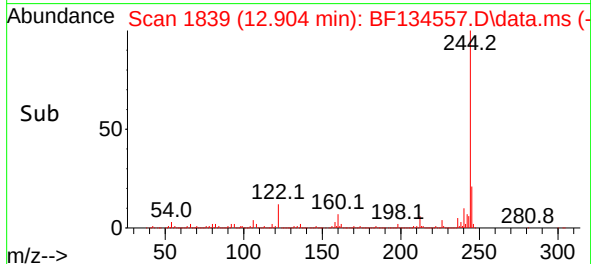
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-04-(1-5)



Tgt Ion:244 Resp: 1841570  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 5.6 8.4  
 122 11.6 8.0 12.0

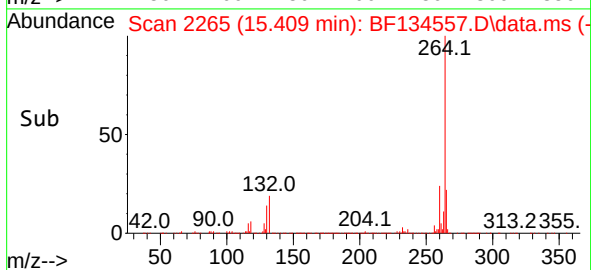
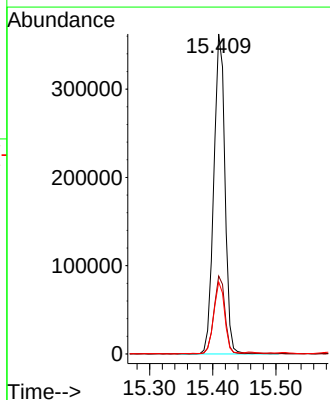
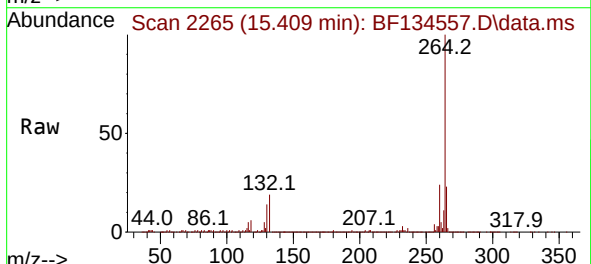
Manual Integrations  
 APPROVED

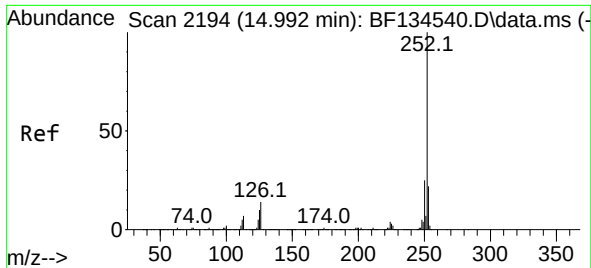
Reviewed By :Yogesh Patel 08/02/2023  
 Supervised By :mohammad ahmed 08/02/2023



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.409 min Scan# 2265  
 Delta R.T. -0.006 min  
 Lab File: BF134557.D  
 Acq: 01 Aug 2023 19:56

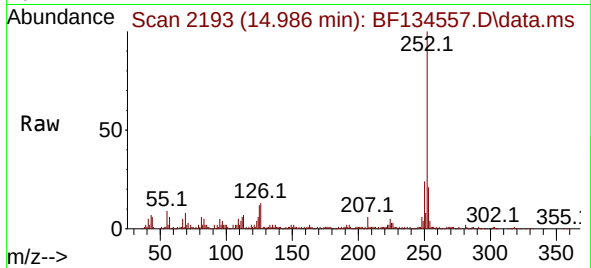
Tgt Ion:264 Resp: 444719  
 Ion Ratio Lower Upper  
 264 100  
 260 24.4 18.4 27.6  
 265 22.5 15.8 23.8





#88  
 Benzo(b)fluoranthene  
 Concen: 3.491 ng m  
 RT: 14.986 min Scan# 2193  
 Delta R.T. -0.006 min  
 Lab File: BF134557.D  
 Acq: 01 Aug 2023 19:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-04-(1-5)



Tgt Ion:252 Resp: 94690  
 Ion Ratio Lower Upper  
 252 100  
 253 20.9 17.3 25.9  
 125 12.3 6.0 9.0

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/02/2023  
 Supervised By :mohammad ahmed 08/02/2023

