

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072423\  
 Data File : BF134451.D  
 Acq On : 25 Jul 2023 03:08  
 Operator : CG\JU  
 Sample : 03652-11  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP18

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/25/2023  
 Supervised By :mohammad ahmed 07/25/2023

Quant Time: Jul 25 04:59:11 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072423.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 25 01:46:04 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.834  | 152  | 69475    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.110  | 136  | 215747   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 9.869  | 164  | 108158   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.363 | 188  | 215870   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.027 | 240  | 153086   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.527 | 264  | 149309   | 20.000  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.475  | 112  | 474848   | 112.924 | ng    | 0.00     |
| 7) Phenol-d6                | 6.475  | 99   | 600008   | 116.462 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.398  | 82   | 389621   | 91.369  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.669 | 330  | 181581   | 118.161 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.186  | 172  | 595302   | 72.256  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.963 | 244  | 759657   | 86.625  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 50) Dimethylphthalate       | 9.586  | 163  | 20253    | 2.526   | ng    | 99       |
| 71) Phenanthrene            | 11.386 | 178  | 39300    | 3.484   | ng    | 98       |
| 75) Fluoranthene            | 12.586 | 202  | 91672    | 6.974   | ng    | 99       |
| 78) Pyrene                  | 12.816 | 202  | 73216    | 6.015   | ng    | 99       |
| 81) Benzo(a)anthracene      | 14.016 | 228  | 24247    | 2.270   | ng    | 100      |
| 83) Chrysene                | 14.051 | 228  | 29340    | 2.872   | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 15.086 | 252  | 32373m   | 3.466   | ng    |          |
| 90) Benzo(a)pyrene          | 15.463 | 252  | 21007    | 2.433   | ng    | # 94     |
| -----                       |        |      |          |         |       |          |

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

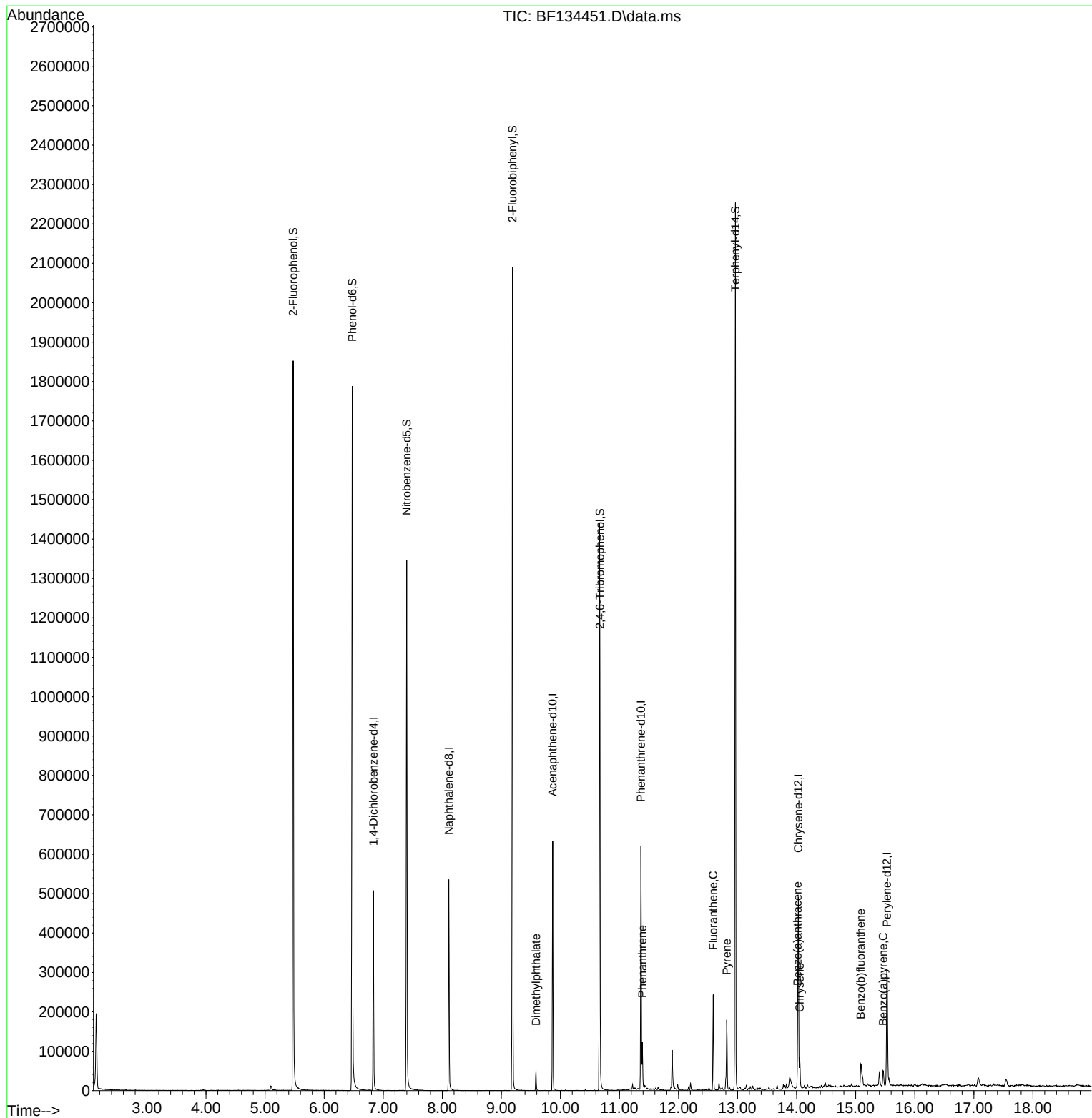
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072423\  
Data File : BF134451.D  
Acq On : 25 Jul 2023 03:08  
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Sample : 03652-11  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

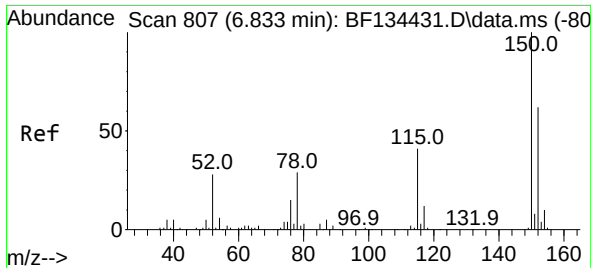
Instrument :  
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Quant Time: Jul 25 04:59:11 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072423.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 25 01:46:04 2023  
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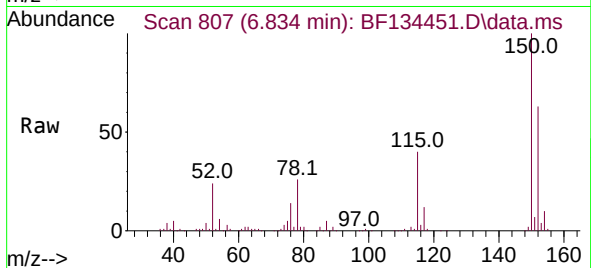
Reviewed By :Yogesh Patel 07/25/2023  
Supervised By :mohammad ahmed 07/25/2023





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.834 min Scan# 807  
Delta R.T. 0.001 min  
Lab File: BF134451.D  
Acq: 25 Jul 2023 03:08

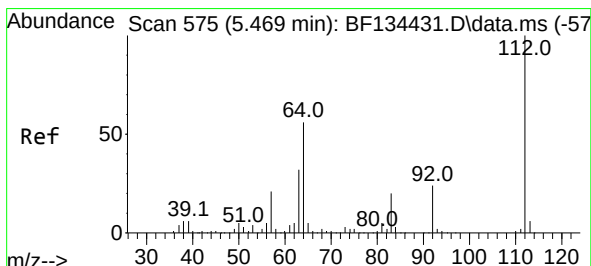
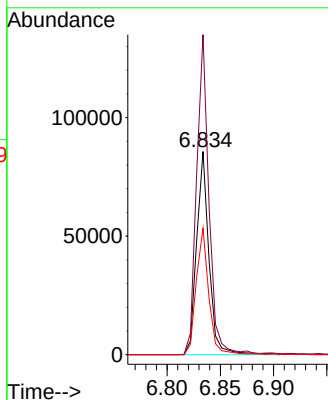
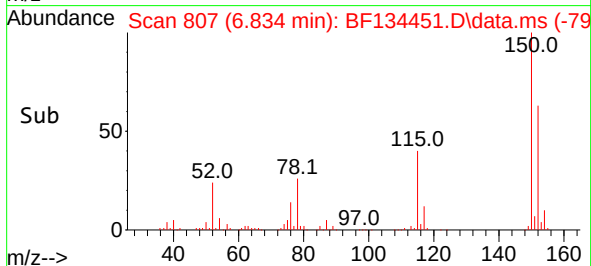
Instrument :  
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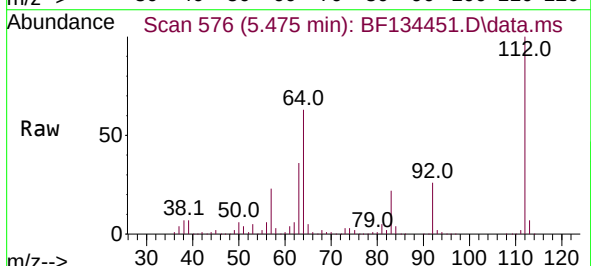
Tgt Ion:152 Resp: 69475  
Ion Ratio Lower Upper  
152 100  
150 157.5 128.3 192.5  
115 62.2 52.4 78.6

Manual Integrations  
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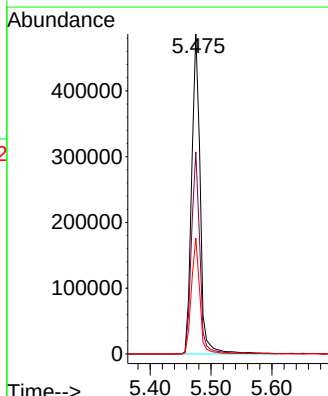
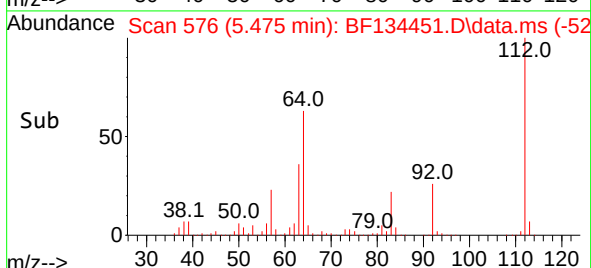
Reviewed By :Yogesh Patel 07/25/2023  
Supervised By :mohammad ahmed 07/25/2023

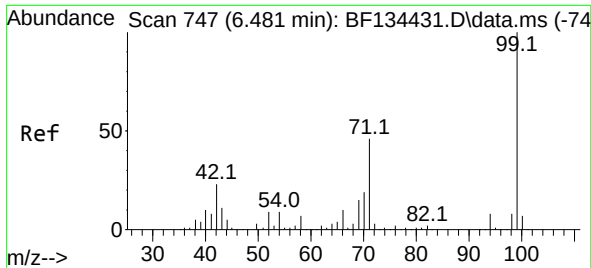


#5  
2-Fluorophenol  
Concen: 112.924 ng  
RT: 5.475 min Scan# 576  
Delta R.T. 0.006 min  
Lab File: BF134451.D  
Acq: 25 Jul 2023 03:08



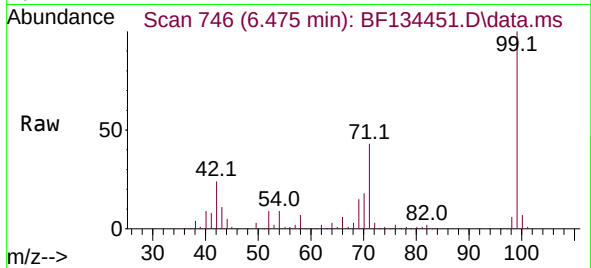
Tgt Ion:112 Resp: 474848  
Ion Ratio Lower Upper  
112 100  
64 63.1 44.9 67.3  
63 36.2 25.4 38.0





#7  
Phenol-d6  
Concen: 116.462 ng  
RT: 6.475 min Scan# 74  
Delta R.T. -0.006 min  
Lab File: BF134451.D  
Acq: 25 Jul 2023 03:08

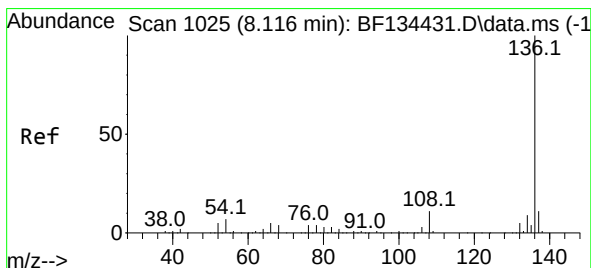
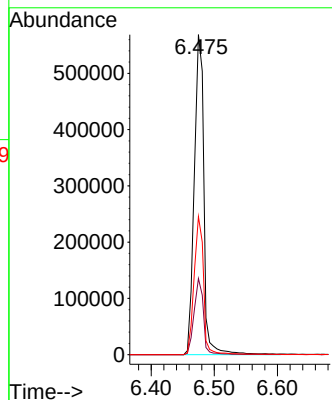
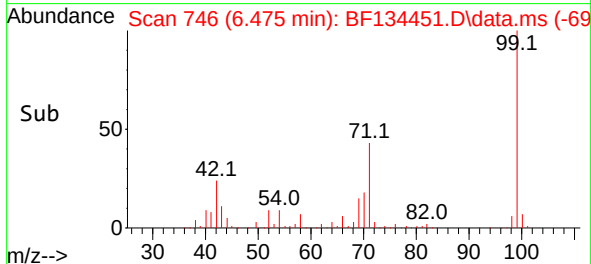
Instrument :  
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Tgt Ion: 99 Resp: 60000  
Ion Ratio Lower Upper  
99 100  
42 23.8 18.7 28.1  
71 43.1 36.4 54.6

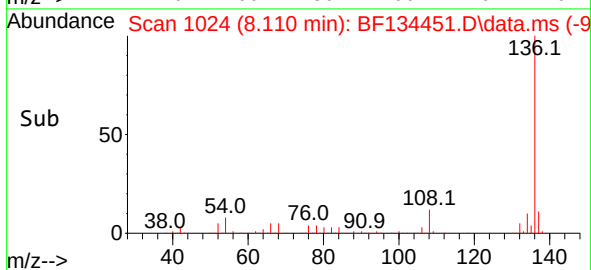
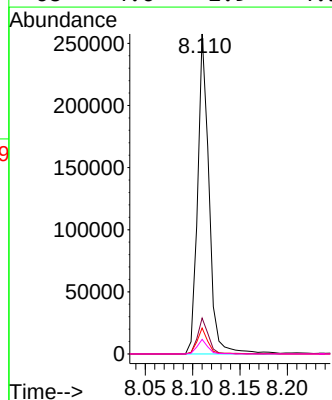
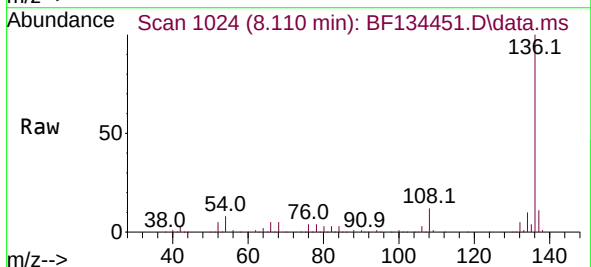
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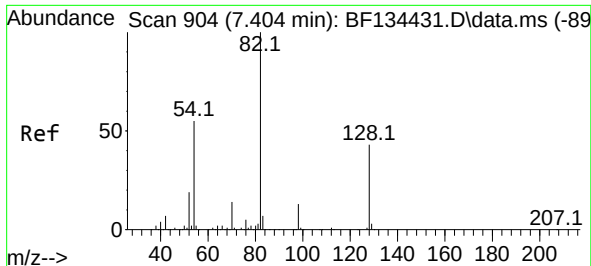
Reviewed By :Yogesh Patel 07/25/2023  
Supervised By :mohammad ahmed 07/25/2023



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.110 min Scan# 1024  
Delta R.T. -0.006 min  
Lab File: BF134451.D  
Acq: 25 Jul 2023 03:08

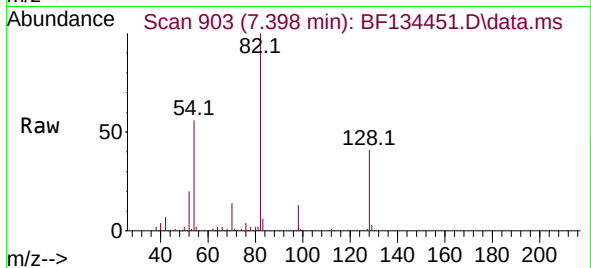
Tgt Ion:136 Resp: 215747  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.4 12.6  
54 8.1 5.2 7.8#  
68 4.6 2.9 4.3#





#23  
Nitrobenzene-d5  
Concen: 91.369 ng  
RT: 7.398 min Scan# 904  
Delta R.T. -0.006 min  
Lab File: BF134451.D  
Acq: 25 Jul 2023 03:08

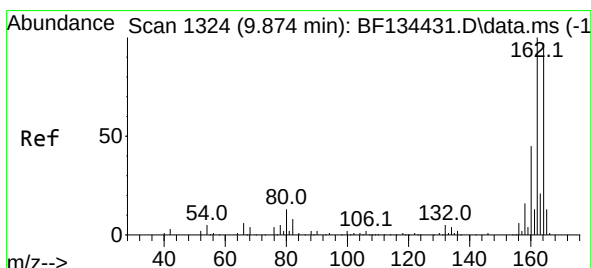
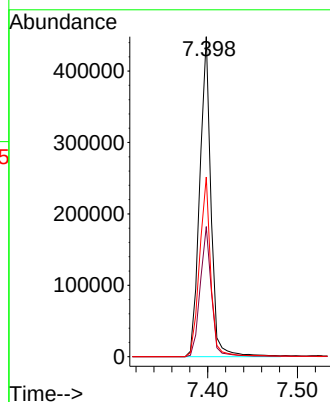
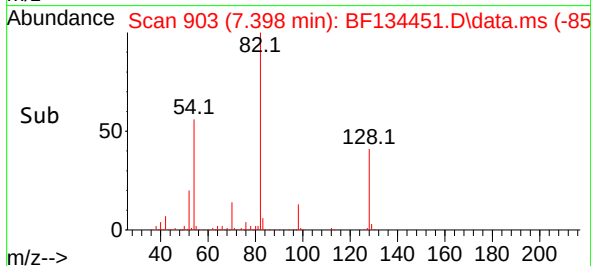
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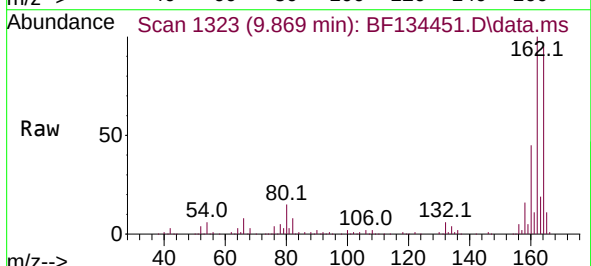
Tgt Ion: 82 Resp: 38962  
Ion Ratio Lower Upper  
82 100  
128 40.6 34.3 51.5  
54 56.1 43.8 65.6

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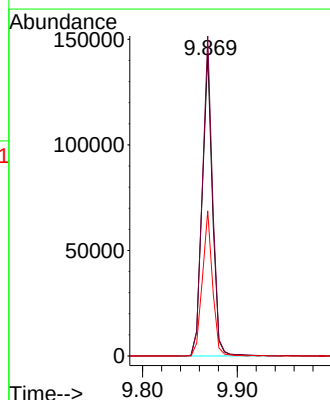
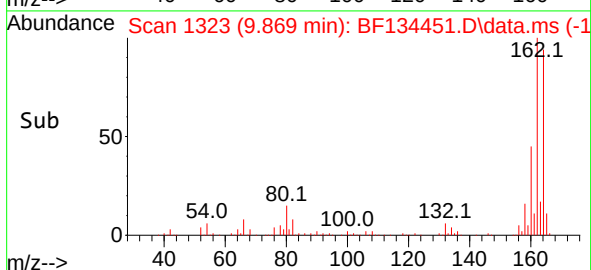
Reviewed By :Yogesh Patel 07/25/2023  
Supervised By :mohammad ahmed 07/25/2023

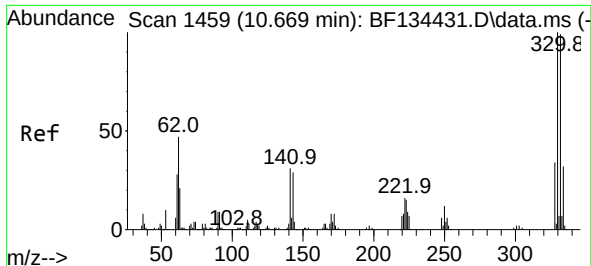


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.869 min Scan# 1323  
Delta R.T. -0.006 min  
Lab File: BF134451.D  
Acq: 25 Jul 2023 03:08



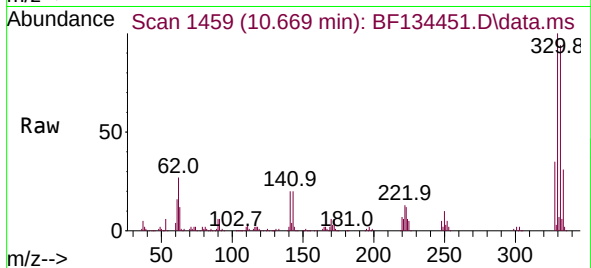
Tgt Ion:164 Resp: 108158  
Ion Ratio Lower Upper  
164 100  
162 105.8 82.6 123.8  
160 47.9 37.2 55.8





#42  
2,4,6-Tribromophenol  
Concen: 118.161 ng  
RT: 10.669 min Scan# 1459  
Delta R.T. 0.000 min  
Lab File: BF134451.D  
Acq: 25 Jul 2023 03:08

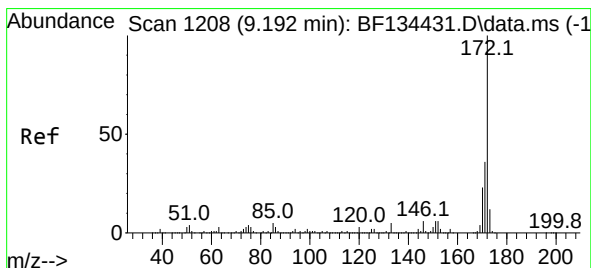
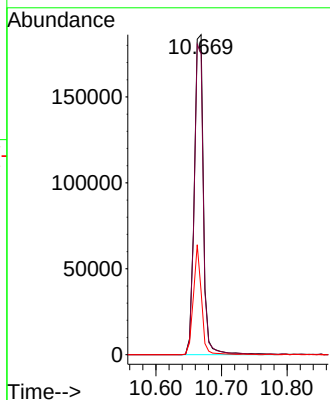
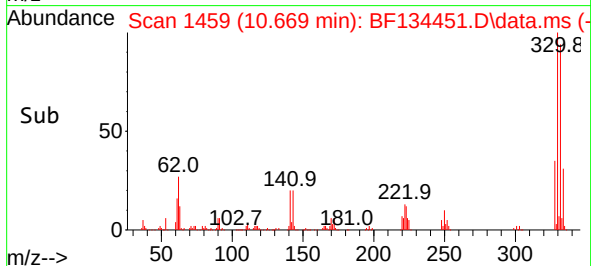
Instrument :  
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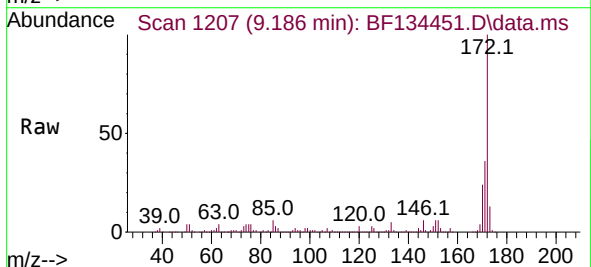
Tgt Ion:330 Resp: 18158  
Ion Ratio Lower Upper  
330 100  
332 96.3 78.8 118.2  
141 30.1 25.4 38.2

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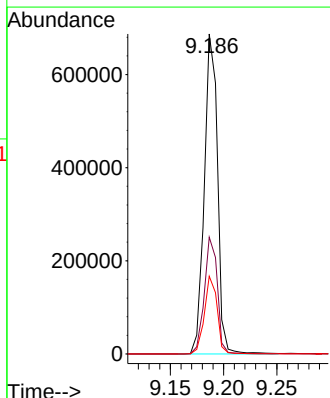
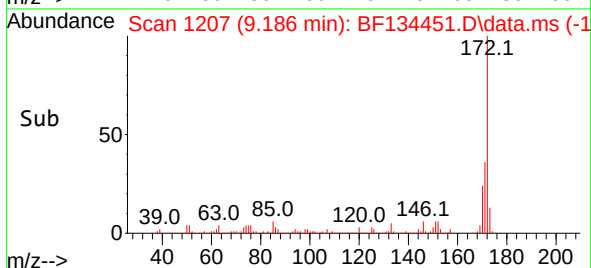
Reviewed By :Yogesh Patel 07/25/2023  
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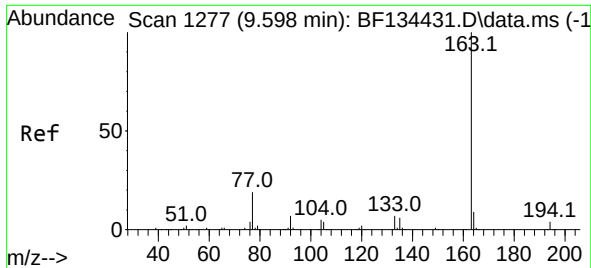


#45  
2-Fluorobiphenyl  
Concen: 72.256 ng  
RT: 9.186 min Scan# 1207  
Delta R.T. -0.006 min  
Lab File: BF134451.D  
Acq: 25 Jul 2023 03:08



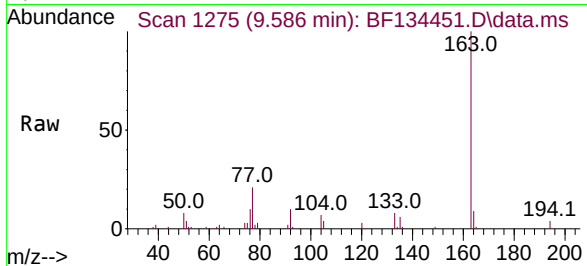
Tgt Ion:172 Resp: 595302  
Ion Ratio Lower Upper  
172 100  
171 36.5 28.8 43.2  
170 24.3 18.7 28.1





#50  
Dimethylphthalate  
Concen: 2.526 ng  
RT: 9.586 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF134451.D  
Acq: 25 Jul 2023 03:08

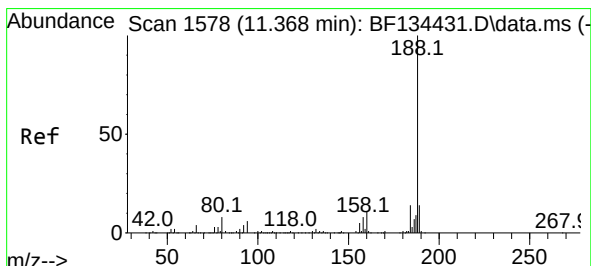
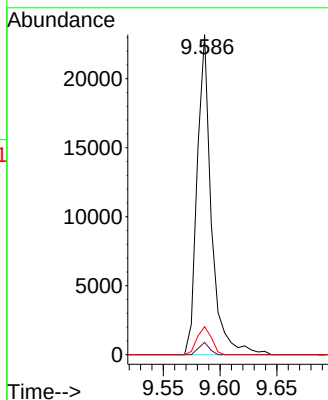
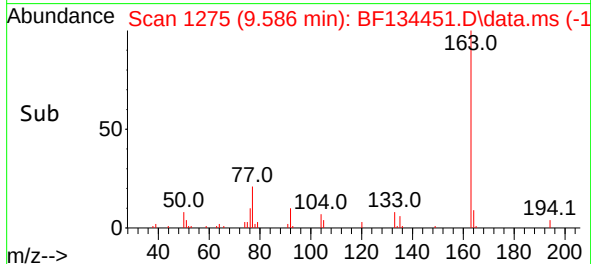
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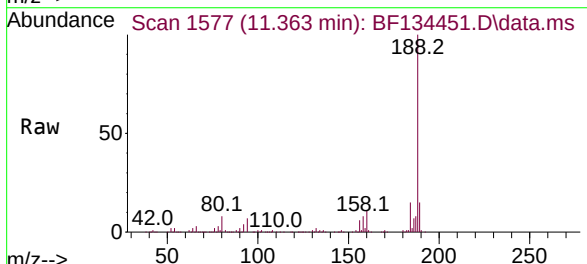
Tgt Ion:163 Resp: 2025  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.3 4.9  
164 8.8 7.5 11.3

Manual Integrations  
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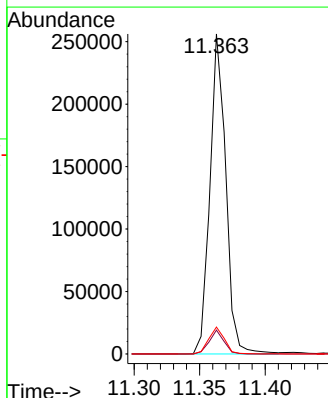
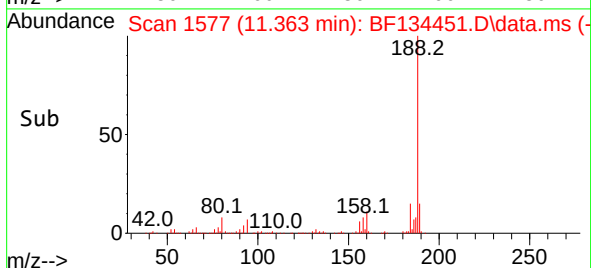
Reviewed By :Yogesh Patel 07/25/2023  
Supervised By :mohammad ahmed 07/25/2023

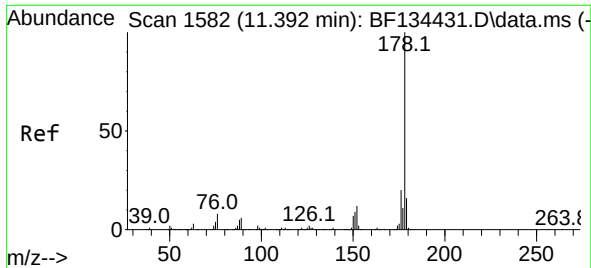


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.363 min Scan# 1577  
Delta R.T. -0.006 min  
Lab File: BF134451.D  
Acq: 25 Jul 2023 03:08



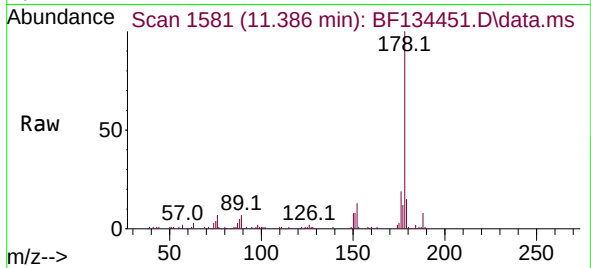
Tgt Ion:188 Resp: 215870  
Ion Ratio Lower Upper  
188 100  
94 7.5 5.1 7.7  
80 8.4 6.6 9.8





#71  
Phenanthrene  
Concen: 3.484 ng  
RT: 11.386 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF134451.D  
Acq: 25 Jul 2023 03:08

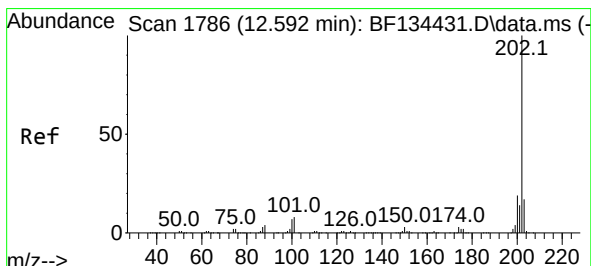
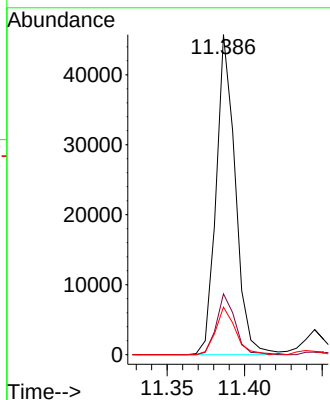
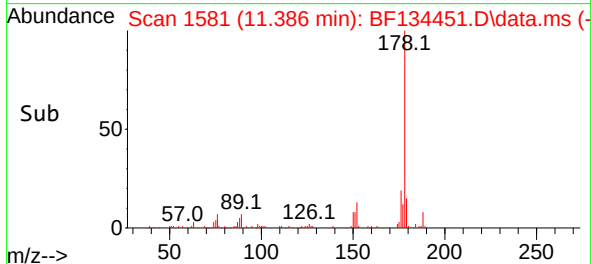
Instrument :  
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Tgt Ion:178 Resp: 39300  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.8 23.6  
179 14.9 12.7 19.1

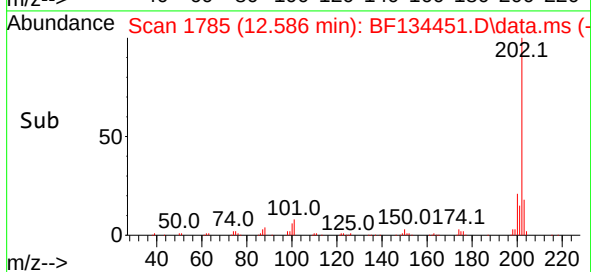
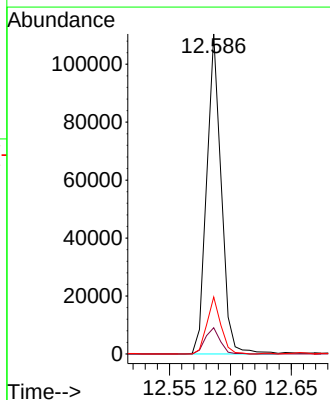
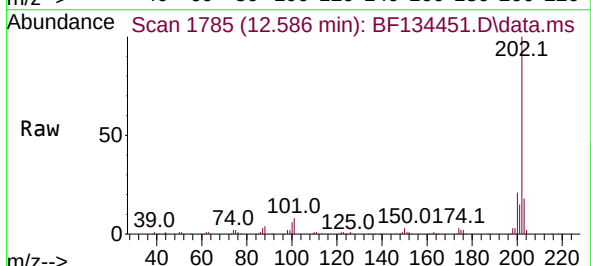
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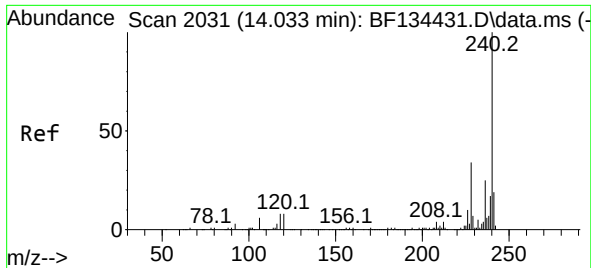


#75  
Fluoranthene  
Concen: 6.974 ng  
RT: 12.586 min Scan# 1785  
Delta R.T. -0.006 min  
Lab File: BF134451.D  
Acq: 25 Jul 2023 03:08

Tgt Ion:202 Resp: 91672  
Ion Ratio Lower Upper  
202 100  
101 8.2 0.0 28.5  
203 17.8 0.0 37.5

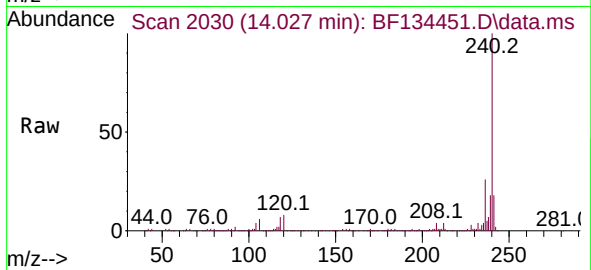






#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.027 min Scan# 2031  
Delta R.T. -0.006 min  
Lab File: BF134451.D  
Acq: 25 Jul 2023 03:08

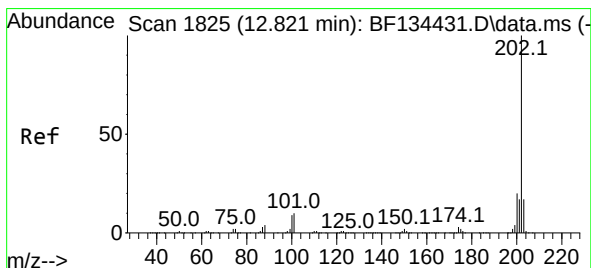
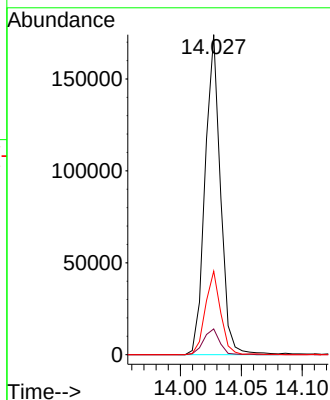
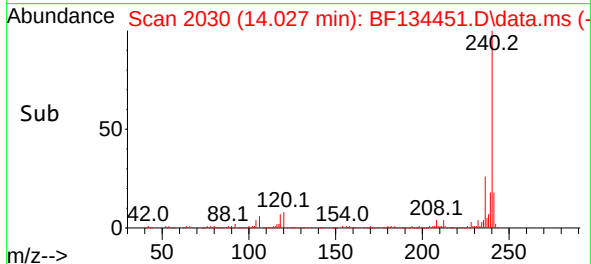
Instrument :  
BNA\_F  
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Tgt Ion:240 Resp: 153080  
Ion Ratio Lower Upper  
240 100  
120 8.1 6.6 10.0  
236 26.1 20.2 30.2

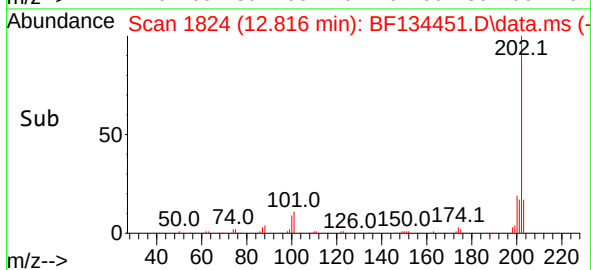
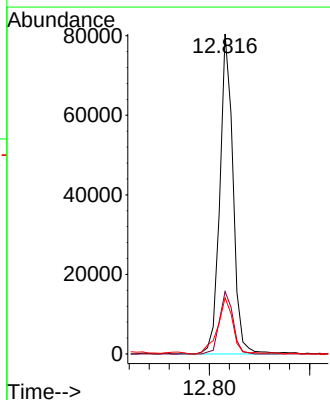
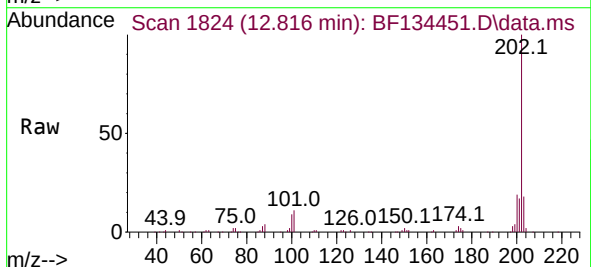
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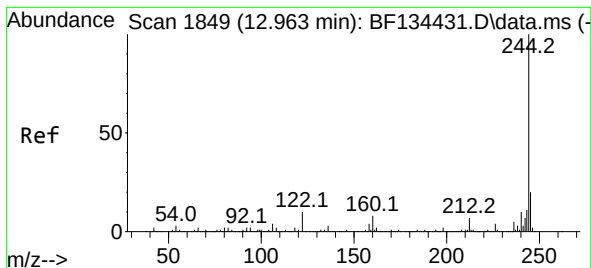
Reviewed By :Yogesh Patel 07/25/2023  
Supervised By :mohammad ahmed 07/25/2023



#78  
Pyrene  
Concen: 6.015 ng  
RT: 12.816 min Scan# 1824  
Delta R.T. -0.006 min  
Lab File: BF134451.D  
Acq: 25 Jul 2023 03:08

Tgt Ion:202 Resp: 73216  
Ion Ratio Lower Upper  
202 100  
200 19.5 15.8 23.8  
203 17.6 13.5 20.3





#79

Terphenyl-d14

Concen: 86.625 ng

RT: 12.963 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF134451.D

Acq: 25 Jul 2023 03:08

Instrument :

BNA\_F

ClientSampleId :

TP18

Tgt Ion:244 Resp: 75965

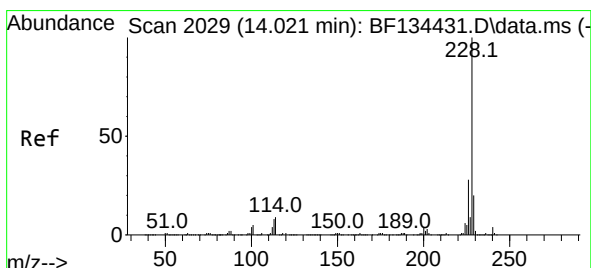
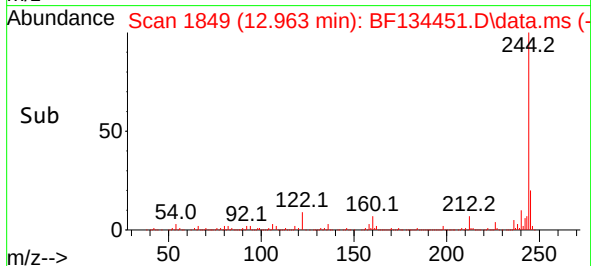
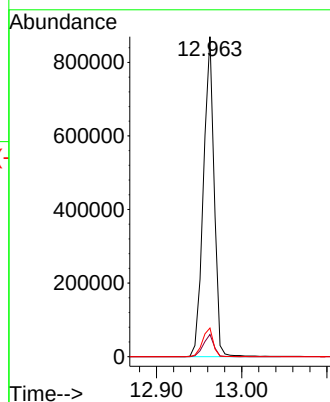
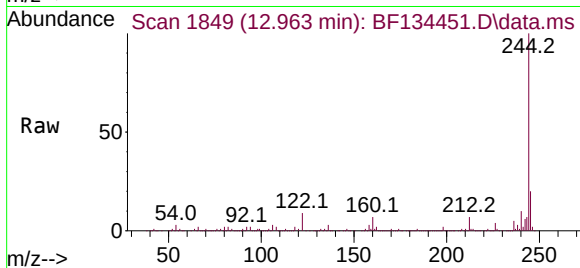
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.0   | 5.6   | 8.4   |
| 122 | 9.0   | 8.0   | 12.0  |

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Reviewed By :Yogesh Patel 07/25/2023

Supervised By :mohammad ahmed 07/25/2023



#81

Benzo(a)anthracene

Concen: 2.270 ng

RT: 14.016 min Scan# 2028

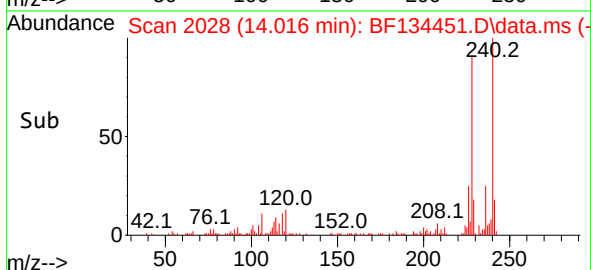
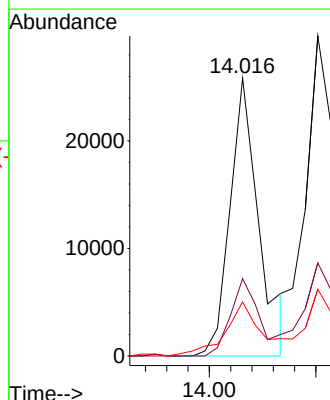
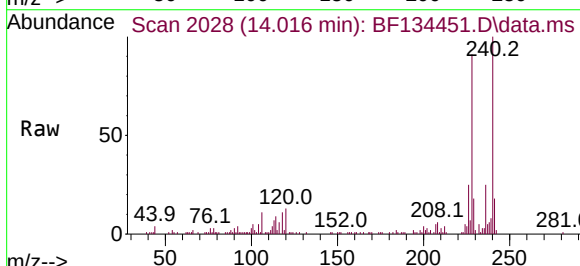
Delta R.T. -0.006 min

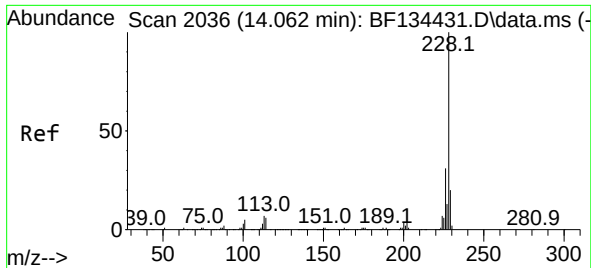
Lab File: BF134451.D

Acq: 25 Jul 2023 03:08

Tgt Ion:228 Resp: 24247

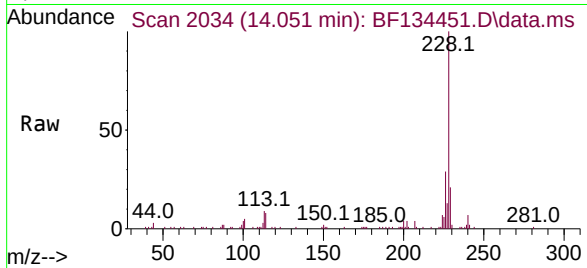
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 27.8  | 22.3  | 33.5  |
| 229 | 19.5  | 15.8  | 23.6  |





#83  
Chrysene  
Concen: 2.872 ng  
RT: 14.051 min Scan# 2034  
Delta R.T. -0.012 min  
Lab File: BF134451.D  
Acq: 25 Jul 2023 03:08

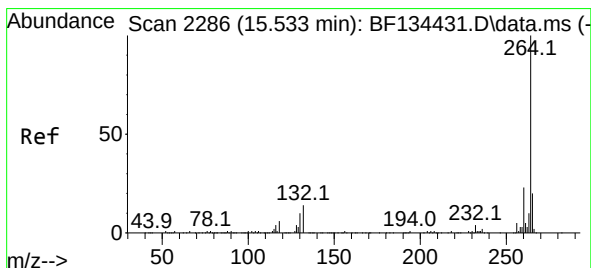
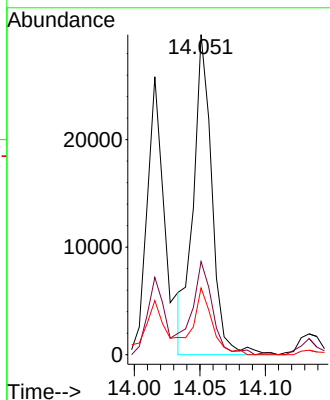
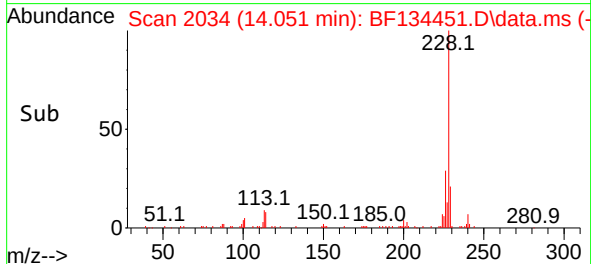
Instrument :  
BNA\_F  
ClientSampleId :  
TP18



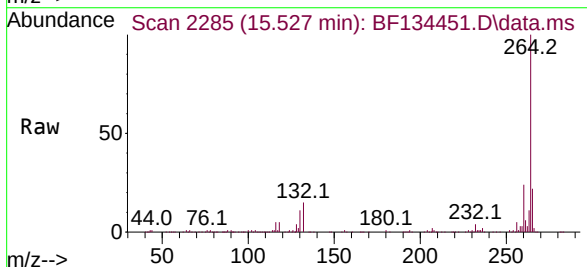
Tgt Ion:228 Resp: 29340  
Ion Ratio Lower Upper  
228 100  
226 29.1 24.5 36.7  
229 20.8 15.8 23.8

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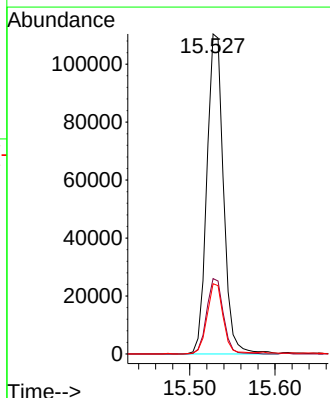
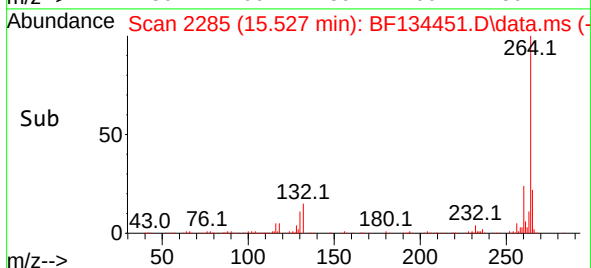
Reviewed By :Yogesh Patel 07/25/2023  
Supervised By :mohammad ahmed 07/25/2023

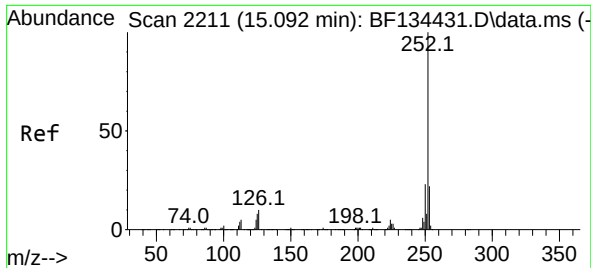


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.527 min Scan# 2285  
Delta R.T. -0.006 min  
Lab File: BF134451.D  
Acq: 25 Jul 2023 03:08



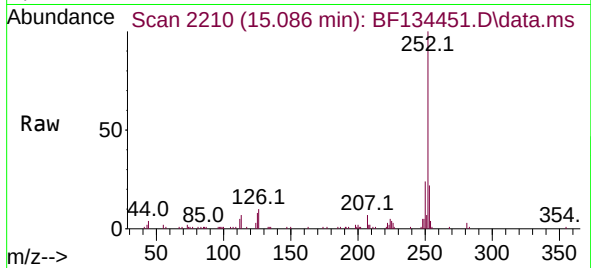
Tgt Ion:264 Resp: 149309  
Ion Ratio Lower Upper  
264 100  
260 23.6 18.4 27.6  
265 22.0 15.8 23.8





#88  
Benzo(b)fluoranthene  
Concen: 3.466 ng m  
RT: 15.086 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: BF134451.D  
Acq: 25 Jul 2023 03:08

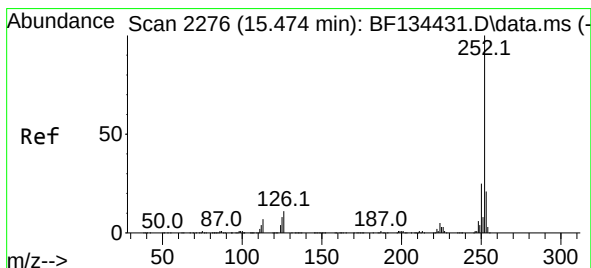
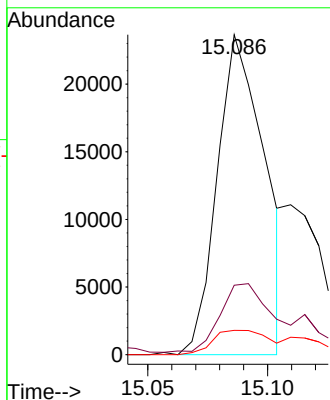
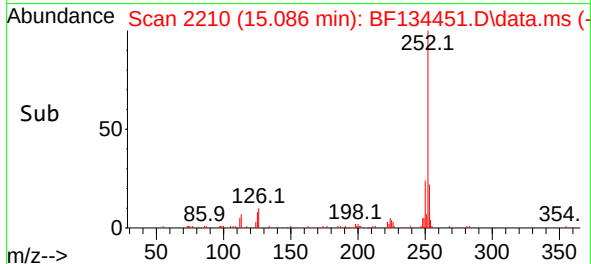
Instrument :  
BNA\_F  
ClientSampleId :  
TP18



Tgt Ion:252 Resp: 3237  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.3 25.9  
125 7.6 6.0 9.0

Manual Integrations  
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Reviewed By :Yogesh Patel 07/25/2023  
Supervised By :mohammad ahmed 07/25/2023



#90  
Benzo(a)pyrene  
Concen: 2.433 ng  
RT: 15.463 min Scan# 2274  
Delta R.T. -0.012 min  
Lab File: BF134451.D  
Acq: 25 Jul 2023 03:08

Tgt Ion:252 Resp: 21007  
Ion Ratio Lower Upper  
252 100  
253 18.7 17.0 25.4  
125 10.4 6.2 9.4#

