

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071923\  
 Data File : BF134367.D  
 Acq On : 19 Jul 2023 19:45  
 Operator : CG\JU  
 Sample : 03641-31  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP15

Manual Integrations  
 APPROVED

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

Quant Time: Jul 20 00:44:59 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   | 6.834  | 152  | 64700    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.116  | 136  | 247362   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 9.875  | 164  | 115777   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.369 | 188  | 193284   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.027 | 240  | 136708   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12            | 15.533 | 264  | 110281   | 20.000 | ng    | -0.01    |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.475  | 112  | 317570   | 82.105 | ng    | 0.00     |
| 7) Phenol-d6                | 6.481  | 99   | 388378   | 81.649 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.398  | 82   | 252521   | 55.030 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.669 | 330  | 114083   | 78.591 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.192  | 172  | 484164   | 60.800 | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.963 | 244  | 431954   | 50.853 | ng    | -0.01    |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 11.392 | 178  | 21315    | 2.191  | ng    | 98       |
| 75) Fluoranthene            | 12.586 | 202  | 55559    | 5.282  | ng    | 96       |
| 78) Pyrene                  | 12.821 | 202  | 50395    | 3.961  | ng    | 95       |
| 81) Benzo(a)anthracene      | 14.021 | 228  | 24751    | 2.611  | ng    | 99       |
| 83) Chrysene                | 14.057 | 228  | 25409m   | 2.767  | ng    |          |
| 88) Benzo(b)fluoranthene    | 15.092 | 252  | 24090m   | 3.715  | ng    |          |
| 90) Benzo(a)pyrene          | 15.468 | 252  | 15521    | 2.475  | ng    | 99       |
| -----                       |        |      |          |        |       |          |

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

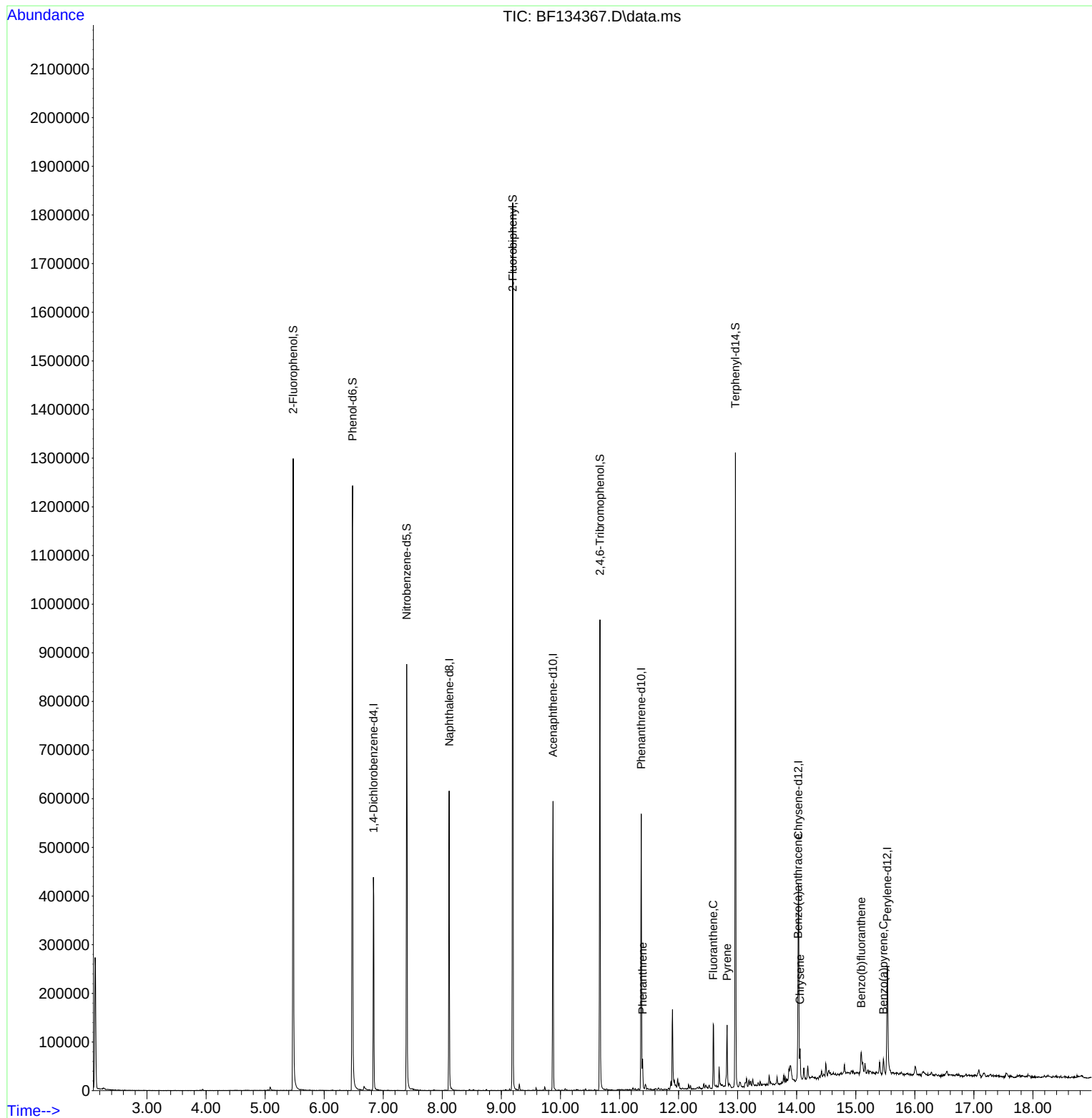
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071923\  
Data File : BF134367.D  
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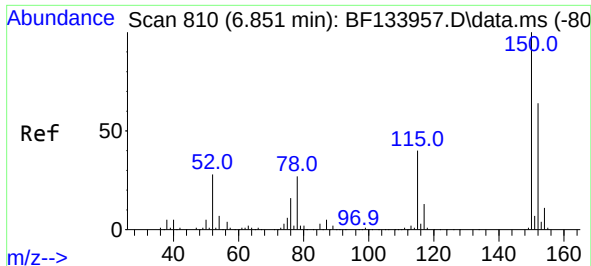
Instrument :  
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Quant Time: Jul 20 00:44:59 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
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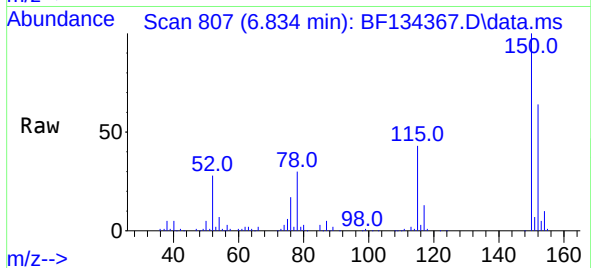
Reviewed By :Yogesh Patel 07/20/2023  
Supervised By :mohammad ahmed 07/20/2023





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.834 min Scan# 80  
Delta R.T. -0.011 min  
Lab File: BF134367.D  
Acq: 19 Jul 2023 19:45

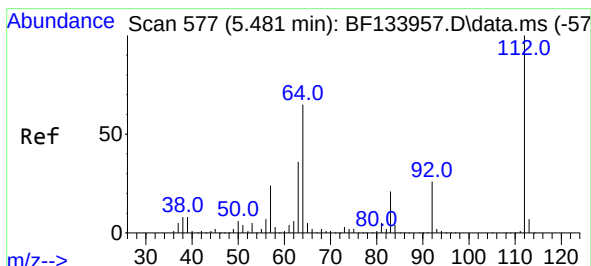
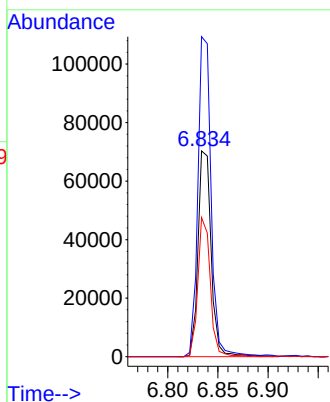
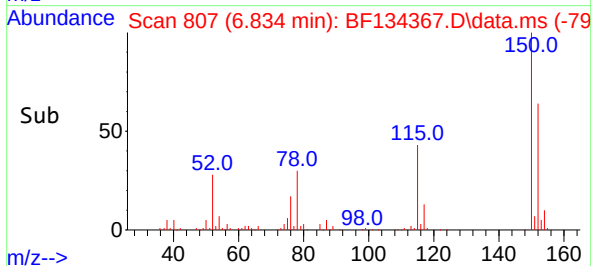
Instrument :  
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ClientSampleId :  
TP15



Tgt Ion:152 Resp: 64700  
Ion Ratio Lower Upper  
152 100  
150 155.5 124.5 186.7  
115 67.6 50.2 75.2

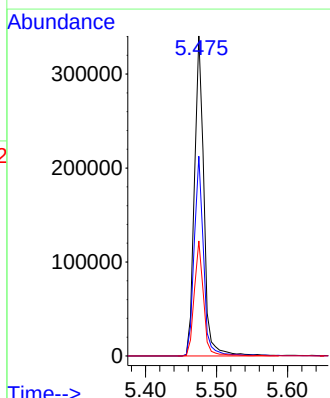
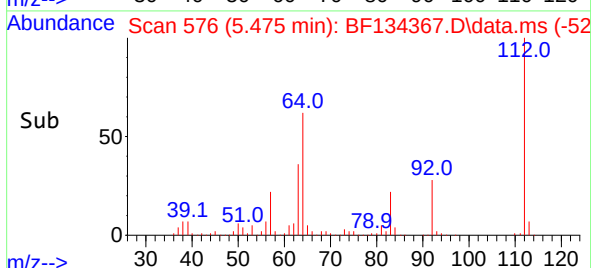
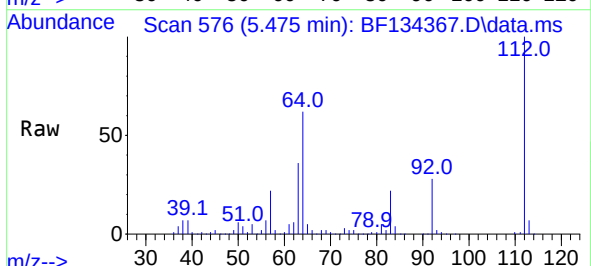
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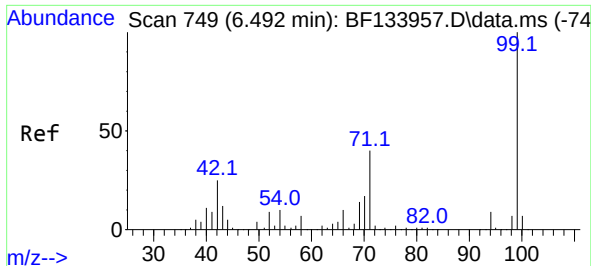
Reviewed By :Yogesh Patel 07/20/2023  
Supervised By :mohammad ahmed 07/20/2023



#5  
2-Fluorophenol  
Concen: 82.105 ng  
RT: 5.475 min Scan# 576  
Delta R.T. 0.006 min  
Lab File: BF134367.D  
Acq: 19 Jul 2023 19:45

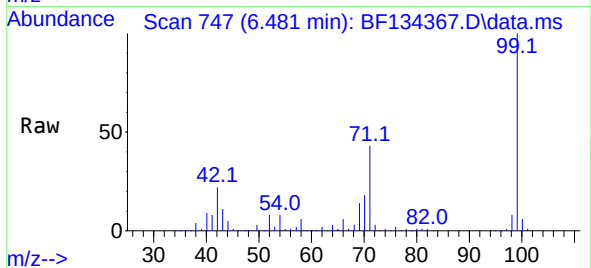
Tgt Ion:112 Resp: 317570  
Ion Ratio Lower Upper  
112 100  
64 62.4 52.1 78.1  
63 35.9 28.6 42.8





#7  
Phenol-d6  
Concen: 81.649 ng  
RT: 6.481 min Scan# 749  
Delta R.T. -0.006 min  
Lab File: BF134367.D  
Acq: 19 Jul 2023 19:45

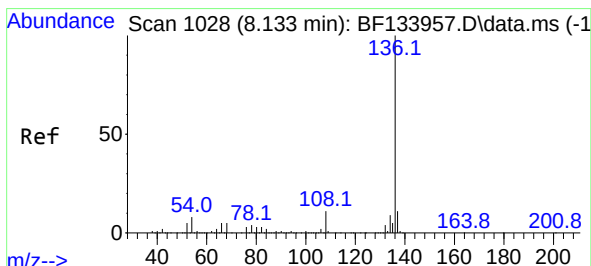
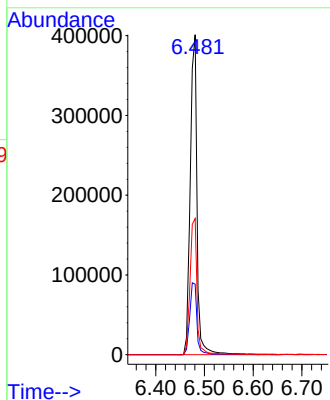
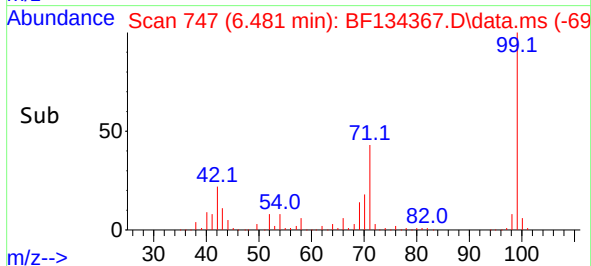
Instrument :  
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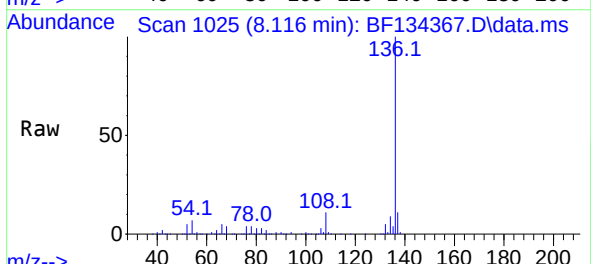
Tgt Ion: 99 Resp: 388378  
Ion Ratio Lower Upper  
99 100  
42 22.1 19.8 29.6  
71 42.6 31.9 47.9

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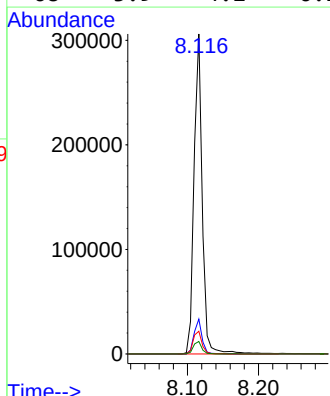
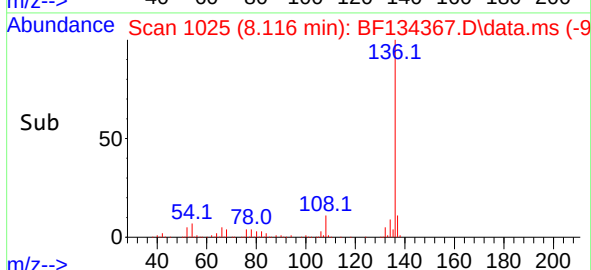
Reviewed By :Yogesh Patel 07/20/2023  
Supervised By :mohammad ahmed 07/20/2023

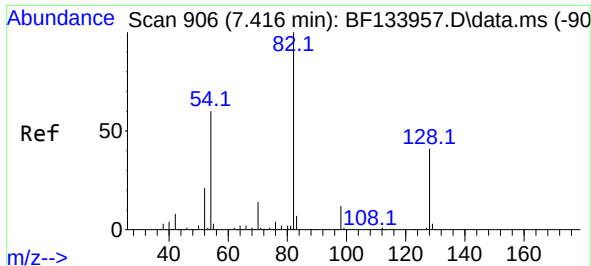


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.116 min Scan# 1025  
Delta R.T. -0.006 min  
Lab File: BF134367.D  
Acq: 19 Jul 2023 19:45



Tgt Ion:136 Resp: 247362  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 12.8  
54 7.1 6.5 9.7  
68 3.9 4.2 6.2#





#23

Nitrobenzene-d5

Concen: 55.030 ng

RT: 7.398 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF134367.D

Acq: 19 Jul 2023 19:45

Instrument :

BNA\_F

ClientSampleId :

TP15

Tgt Ion: 82 Resp: 25252

Ion Ratio Lower Upper

82 100

128 39.2 32.5 48.7

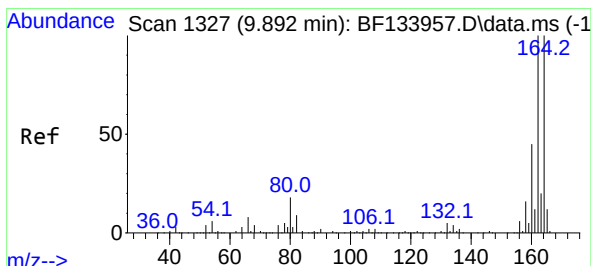
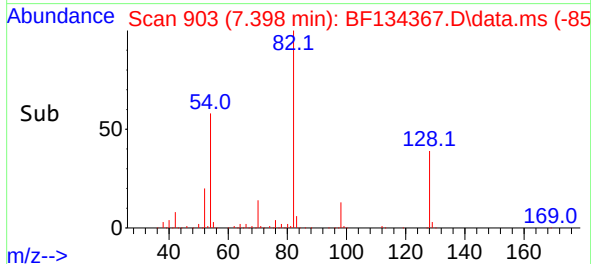
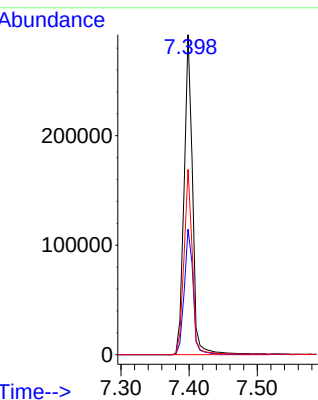
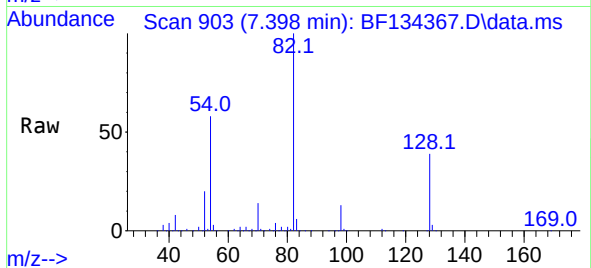
54 57.9 48.2 72.2

Manual Integrations

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Supervised By :mohammad ahmed 07/20/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1324

Delta R.T. -0.006 min

Lab File: BF134367.D

Acq: 19 Jul 2023 19:45

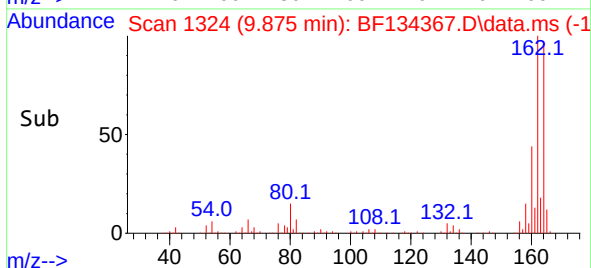
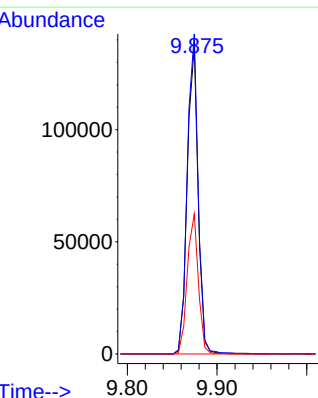
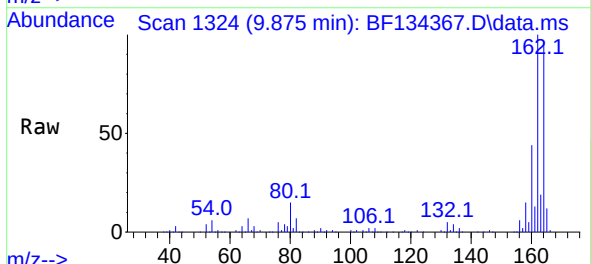
Tgt Ion:164 Resp: 115777

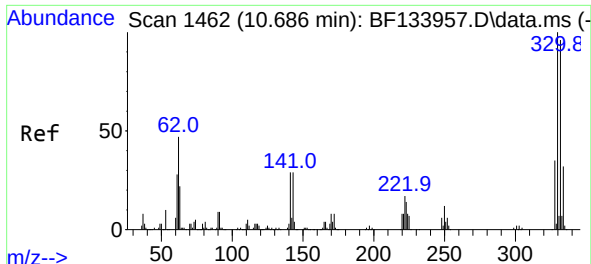
Ion Ratio Lower Upper

164 100

162 104.0 80.0 120.0

160 45.5 35.9 53.9





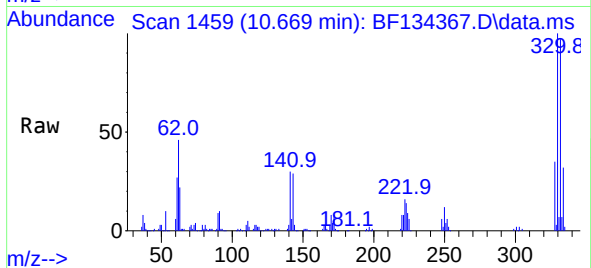
#42  
2,4,6-Tribromophenol  
Concen: 78.591 ng  
RT: 10.669 min Scan# 1462  
Delta R.T. -0.012 min  
Lab File: BF134367.D  
Acq: 19 Jul 2023 19:45

Instrument :

BNA\_F

ClientSampleId :

TP15



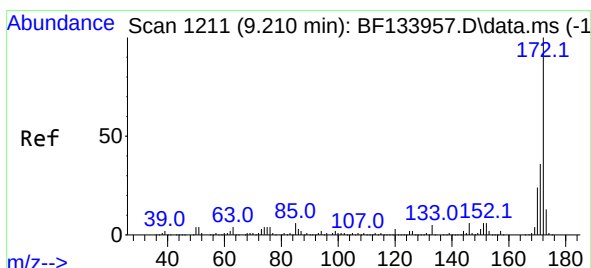
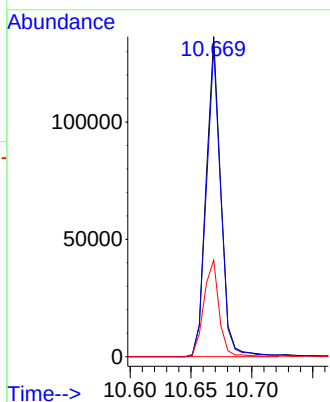
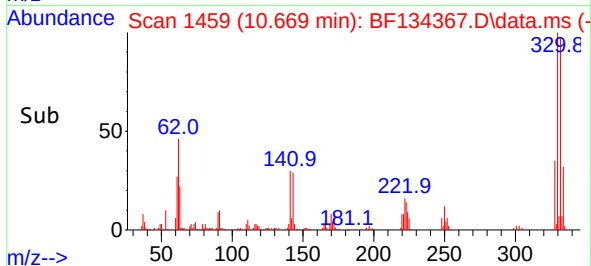
Tgt Ion:330 Resp: 114083  
Ion Ratio Lower Upper  
330 100  
332 96.4 77.0 115.6  
141 31.4 26.3 39.5

Manual Integrations

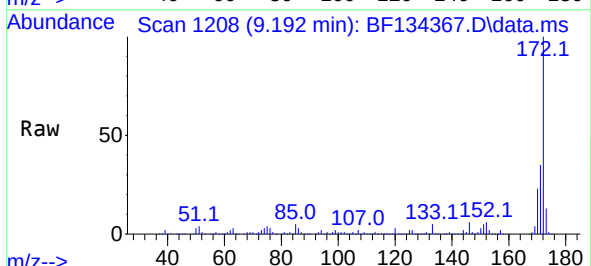
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Reviewed By :Yogesh Patel 07/20/2023

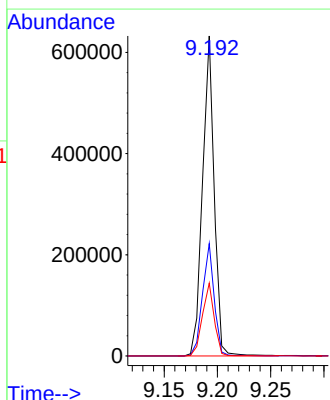
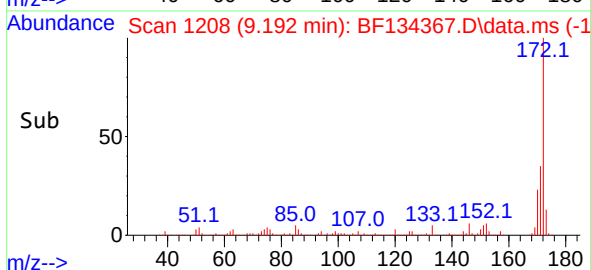
Supervised By :mohammad ahmed 07/20/2023

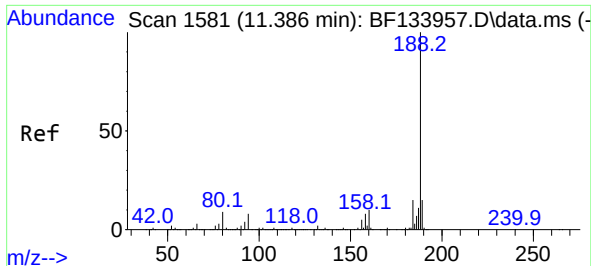


#45  
2-Fluorobiphenyl  
Concen: 60.800 ng  
RT: 9.192 min Scan# 1208  
Delta R.T. -0.012 min  
Lab File: BF134367.D  
Acq: 19 Jul 2023 19:45



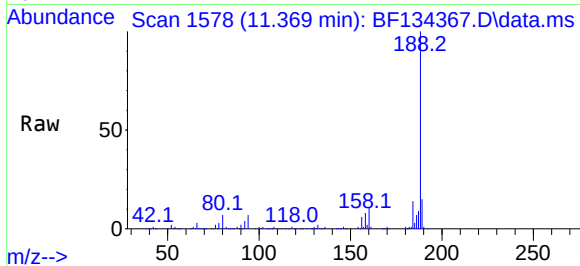
Tgt Ion:172 Resp: 484164  
Ion Ratio Lower Upper  
172 100  
171 35.1 28.6 43.0  
170 22.8 19.4 29.0





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.369 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF134367.D  
Acq: 19 Jul 2023 19:45

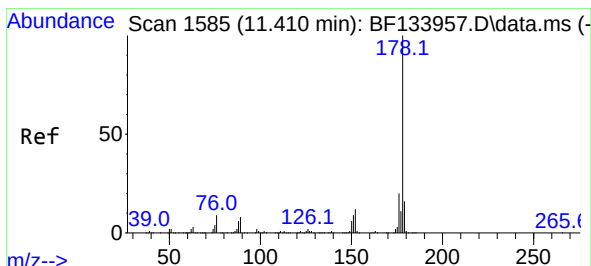
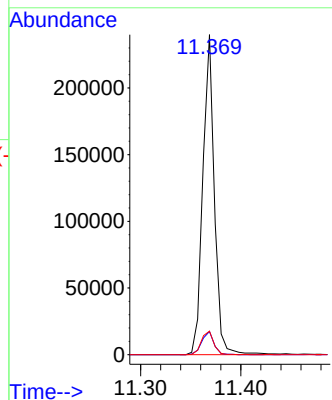
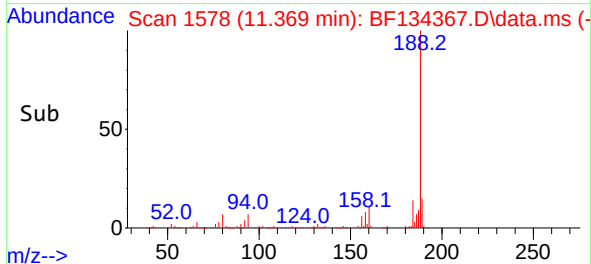
Instrument :  
BNA\_F  
ClientSampleId :  
TP15



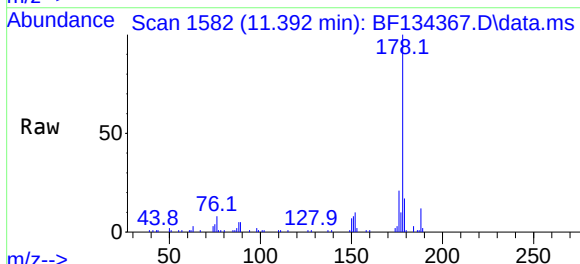
Tgt Ion:188 Resp: 193284  
Ion Ratio Lower Upper  
188 100  
94 7.3 6.4 9.6  
80 7.3 7.3 10.9

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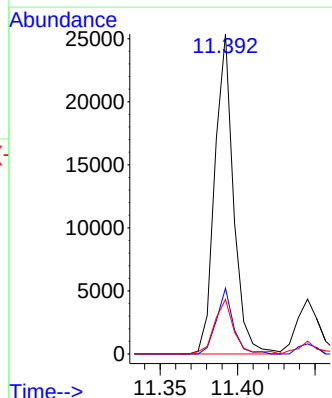
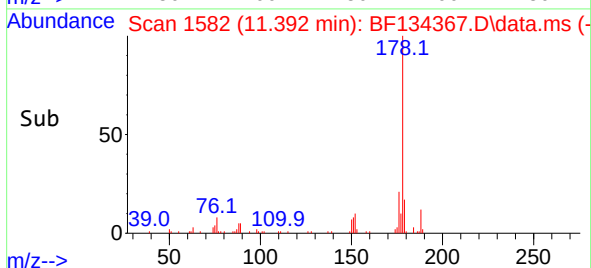
Reviewed By :Yogesh Patel 07/20/2023  
Supervised By :mohammad ahmed 07/20/2023

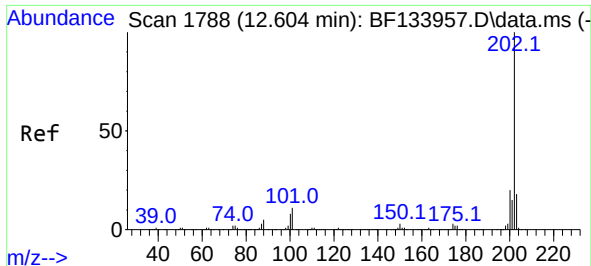


#71  
Phenanthrene  
Concen: 2.191 ng  
RT: 11.392 min Scan# 1582  
Delta R.T. -0.012 min  
Lab File: BF134367.D  
Acq: 19 Jul 2023 19:45



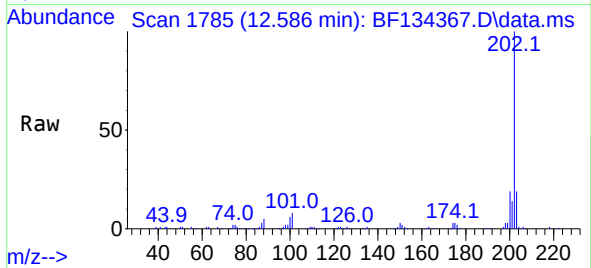
Tgt Ion:178 Resp: 21315  
Ion Ratio Lower Upper  
178 100  
176 20.6 16.0 24.0  
179 17.1 12.4 18.6





#75  
Fluoranthene  
Concen: 5.282 ng  
RT: 12.586 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF134367.D  
Acq: 19 Jul 2023 19:45

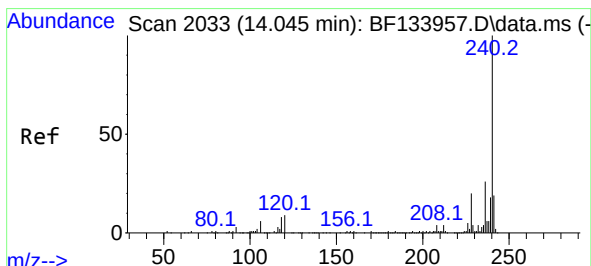
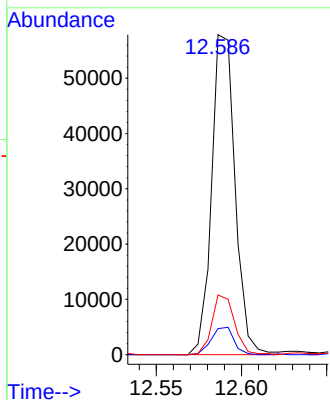
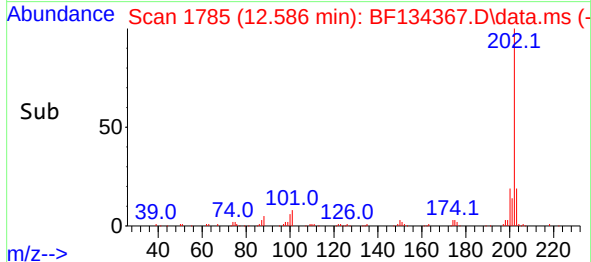
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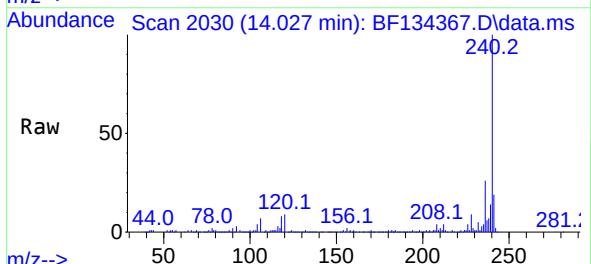
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Manual Integrations  
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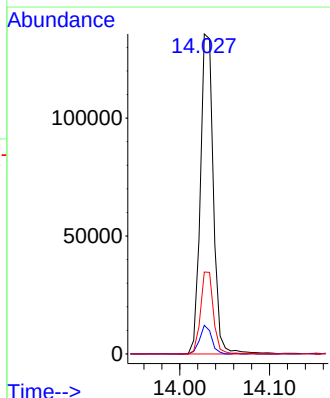
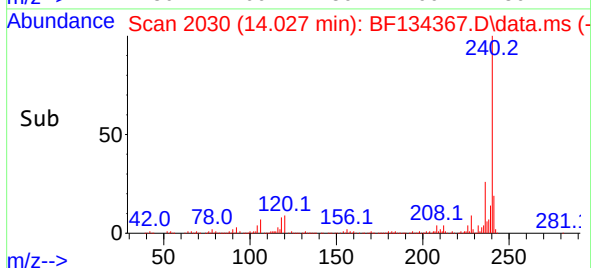
Reviewed By :Yogesh Patel 07/20/2023  
Supervised By :mohammad ahmed 07/20/2023



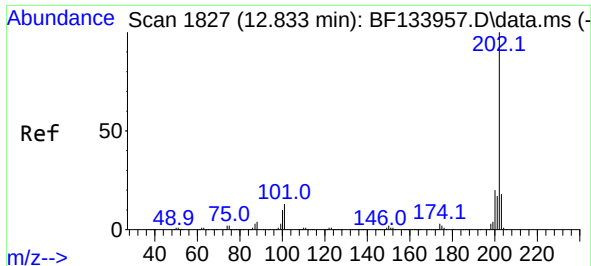
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.027 min Scan# 2030  
Delta R.T. -0.012 min  
Lab File: BF134367.D  
Acq: 19 Jul 2023 19:45



Tgt Ion:240 Resp: 136708  
Ion Ratio Lower Upper  
240 100  
120 8.9 7.4 11.0  
236 25.6 21.0 31.6

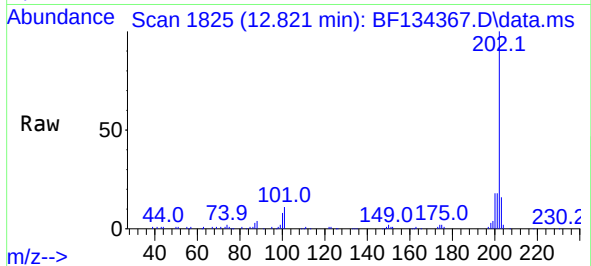






#78  
Pyrene  
Concen: 3.961 ng  
RT: 12.821 min Scan# 1825  
Delta R.T. -0.012 min  
Lab File: BF134367.D  
Acq: 19 Jul 2023 19:45

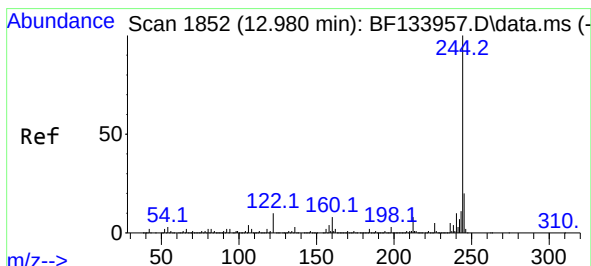
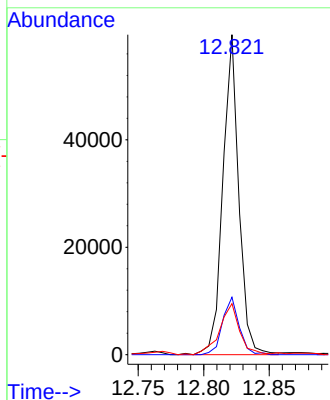
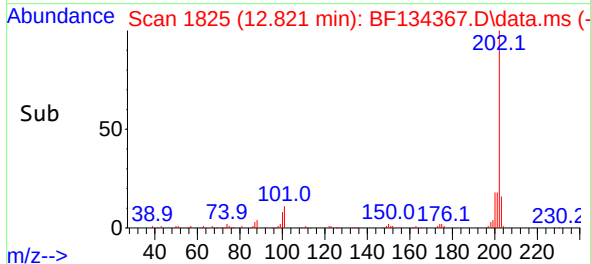
Instrument :  
BNA\_F  
ClientSampleId :  
TP15



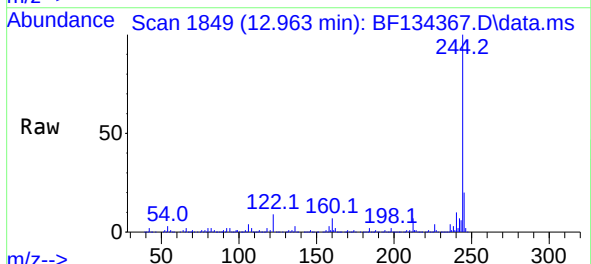
Tgt Ion:202 Resp: 50395  
Ion Ratio Lower Upper  
202 100  
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203 16.0 14.3 21.5

Manual Integrations  
APPROVED

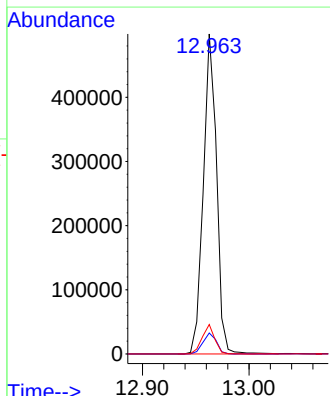
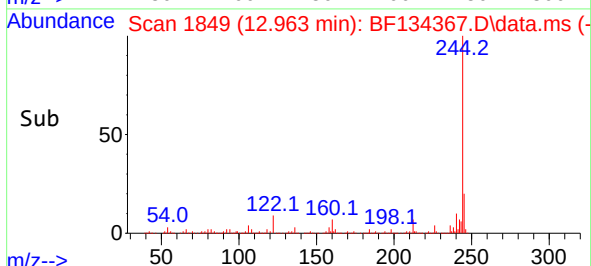
Reviewed By :Yogesh Patel 07/20/2023  
Supervised By :mohammad ahmed 07/20/2023

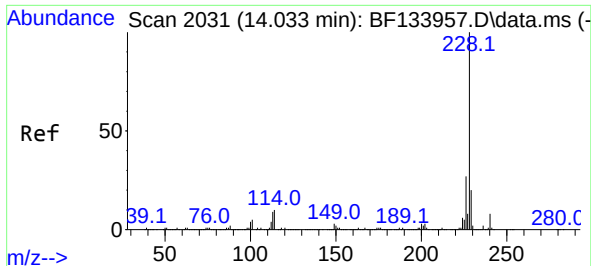


#79  
Terphenyl-d14  
Concen: 50.853 ng  
RT: 12.963 min Scan# 1849  
Delta R.T. -0.012 min  
Lab File: BF134367.D  
Acq: 19 Jul 2023 19:45



Tgt Ion:244 Resp: 431954  
Ion Ratio Lower Upper  
244 100  
212 6.6 6.0 9.0  
122 9.2 8.3 12.5





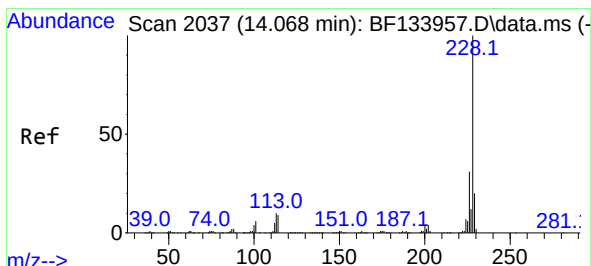
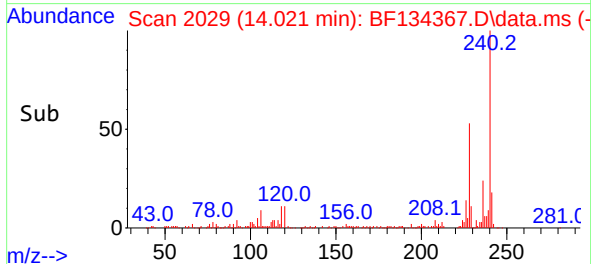
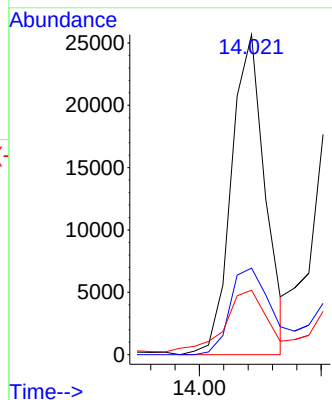
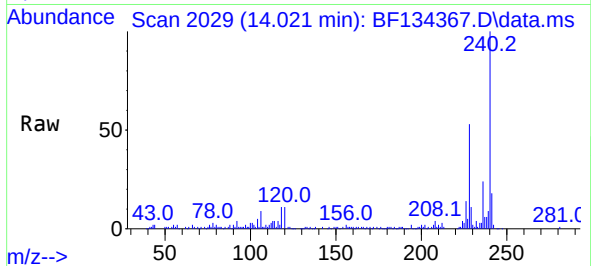
#81  
Benzo(a)anthracene  
Concen: 2.611 ng  
RT: 14.021 min Scan# 2031  
Delta R.T. -0.006 min  
Lab File: BF134367.D  
Acq: 19 Jul 2023 19:45

Instrument :  
BNA\_F  
ClientSampleId :  
TP15

Tgt Ion:228 Resp: 2475  
Ion Ratio Lower Upper  
228 100  
226 27.1 22.0 33.0  
229 20.2 16.3 24.5

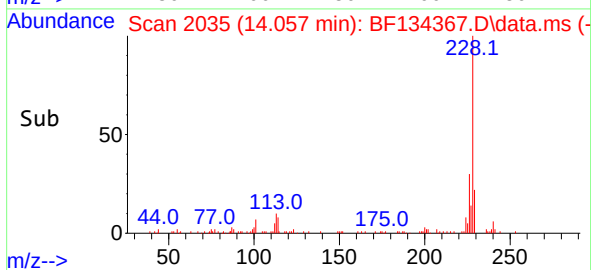
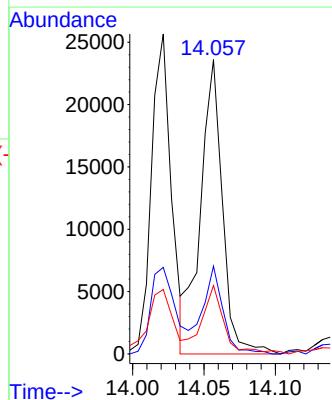
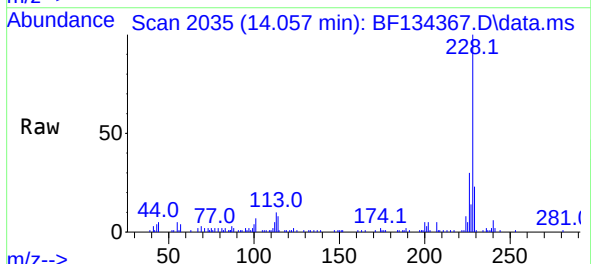
Manual Integrations  
APPROVED

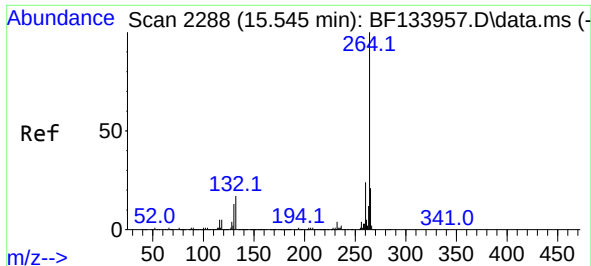
Reviewed By :Yogesh Patel 07/20/2023  
Supervised By :mohammad ahmed 07/20/2023



#83  
Chrysene  
Concen: 2.767 ng m  
RT: 14.057 min Scan# 2035  
Delta R.T. -0.012 min  
Lab File: BF134367.D  
Acq: 19 Jul 2023 19:45

Tgt Ion:228 Resp: 25409  
Ion Ratio Lower Upper  
228 100  
226 29.8 24.4 36.6  
229 23.3 16.1 24.1





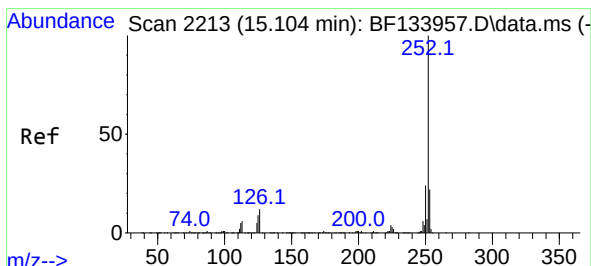
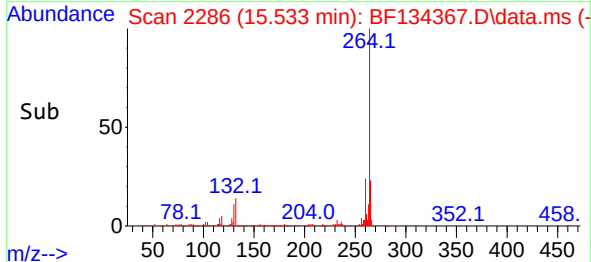
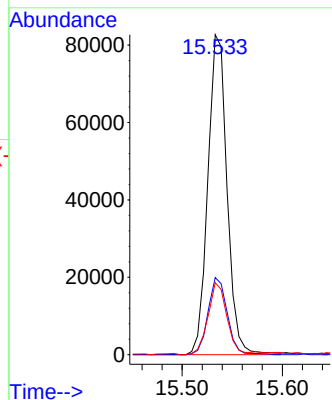
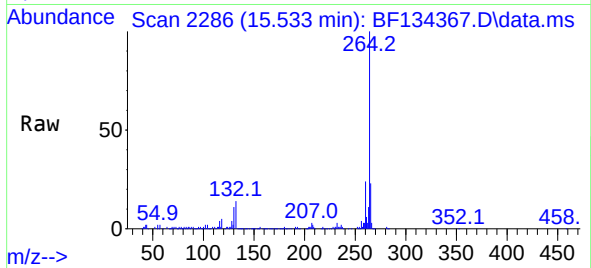
#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.533 min Scan# 2111  
Delta R.T. -0.012 min  
Lab File: BF134367.D  
Acq: 19 Jul 2023 19:45

Instrument :  
BNA\_F  
ClientSampleId :  
TP15

Tgt Ion:264 Resp: 11028  
Ion Ratio Lower Upper  
264 100  
260 24.1 19.5 29.3  
265 22.5 16.6 25.0

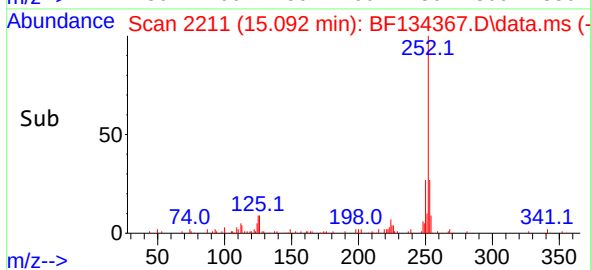
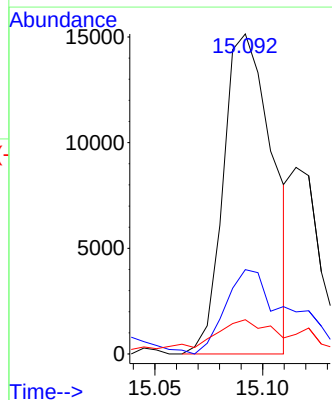
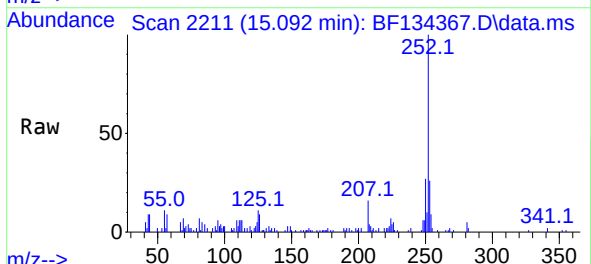
Manual Integrations  
APPROVED

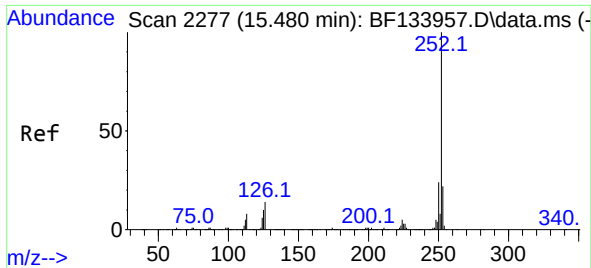
Reviewed By :Yogesh Patel 07/20/2023  
Supervised By :mohammad ahmed 07/20/2023



#88  
Benzo(b)fluoranthene  
Concen: 3.715 ng m  
RT: 15.092 min Scan# 2211  
Delta R.T. -0.012 min  
Lab File: BF134367.D  
Acq: 19 Jul 2023 19:45

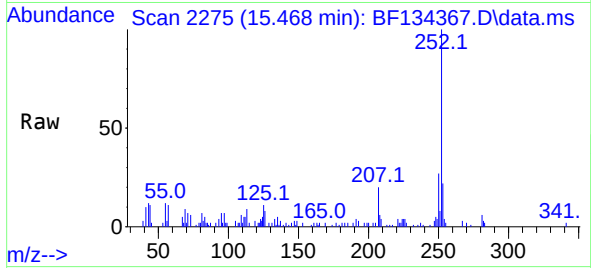
Tgt Ion:252 Resp: 24090  
Ion Ratio Lower Upper  
252 100  
253 26.3 17.4 26.0#  
125 10.7 7.1 10.7#





#90  
Benzo(a)pyrene  
Concen: 2.475 ng  
RT: 15.468 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF134367.D  
Acq: 19 Jul 2023 19:45

Instrument :  
BNA\_F  
ClientSampleId :  
TP15



Tgt Ion:252 Resp: 1552  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.4 26.0  
125 11.0 8.4 12.6

Manual Integrations  
APPROVED

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

