

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031424\  
 Data File : BF137603.D  
 Acq On : 14 Mar 2024 21:24  
 Operator : CG\JU  
 Sample : P1746-11  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-04-0-2.0

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 03/15/2024  
 Supervised By :mohammad ahmed 03/16/2024

Quant Time: Mar 15 02:03:58 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 14 14:45:20 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.728  | 152  | 126793   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.004  | 136  | 469527   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.757  | 164  | 240717   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.239 | 188  | 370233   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.874 | 240  | 323246   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.292 | 264  | 341209   | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.328  | 112  | 815221   | 97.378 | ng    | 0.00     |
| 7) Phenol-d6                | 6.363  | 99   | 1087629  | 90.003 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.287  | 82   | 640260   | 63.360 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.545 | 330  | 181879   | 86.039 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.081  | 172  | 965392   | 62.779 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.821 | 244  | 827806   | 35.215 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 11.263 | 178  | 71117    | 3.530  | ng    | 97       |
| 75) Fluoranthene            | 12.451 | 202  | 189249   | 9.609  | ng    | 96       |
| 78) Pyrene                  | 12.674 | 202  | 177110   | 5.584  | ng    | 98       |
| 81) Benzo(a)anthracene      | 13.863 | 228  | 111971   | 4.942  | ng    | 95       |
| 83) Chrysene                | 13.898 | 228  | 106306   | 4.643  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene  | 16.680 | 276  | 45216    | 2.014  | ng    | 93       |
| 88) Benzo(b)fluoranthene    | 14.892 | 252  | 148338m  | 7.349  | ng    |          |
| 90) Benzo(a)pyrene          | 15.233 | 252  | 98025    | 4.928  | ng    | 99       |
| 92) Benzo(g,h,i)perylene    | 17.092 | 276  | 41417    | 2.214  | ng    | 99       |
| -----                       |        |      |          |        |       |          |

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

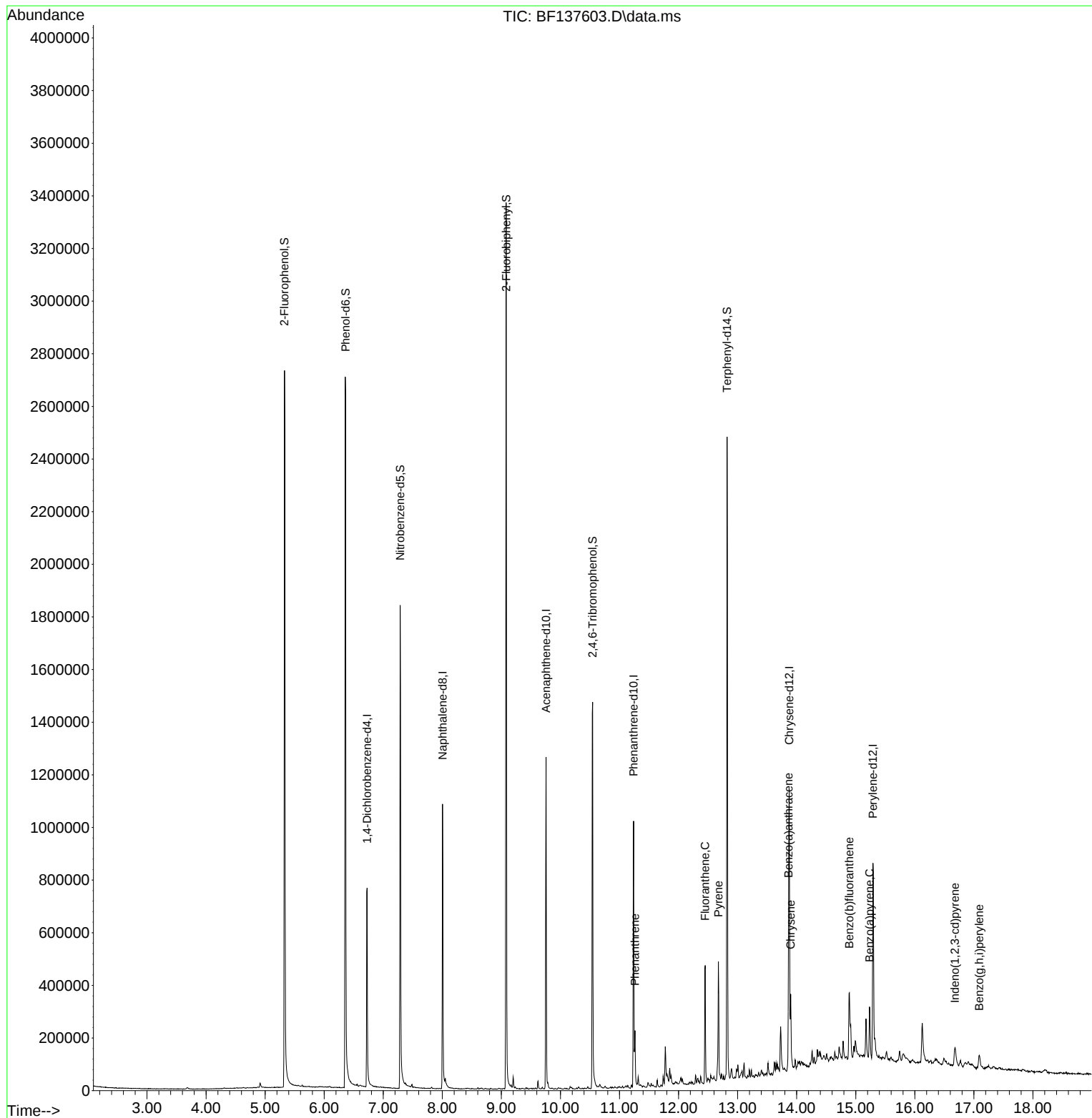
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031424\  
Data File : BF137603.D  
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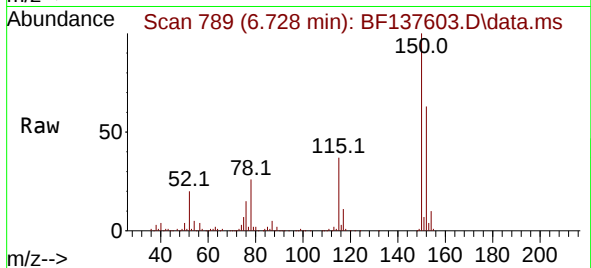
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.728 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF137603.D  
Acq: 14 Mar 2024 21:24

Instrument :

BNA\_F

ClientSampleId :

SB-04-0-2.0

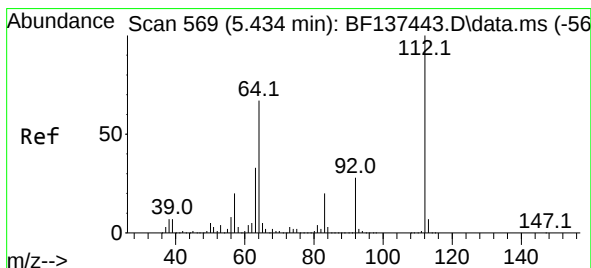
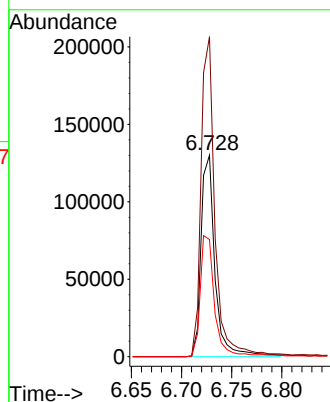
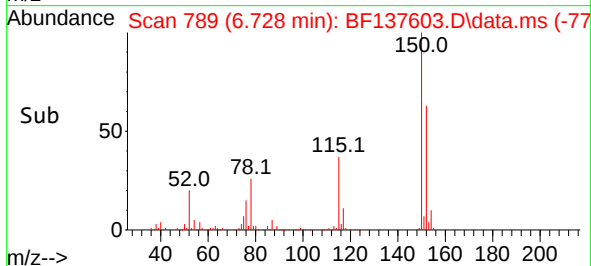


Tgt Ion:152 Resp: 12679  
Ion Ratio Lower Upper  
152 100  
150 158.9 125.8 188.6  
115 58.2 48.8 73.2

Manual Integrations

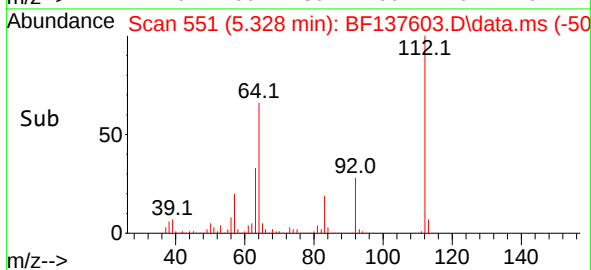
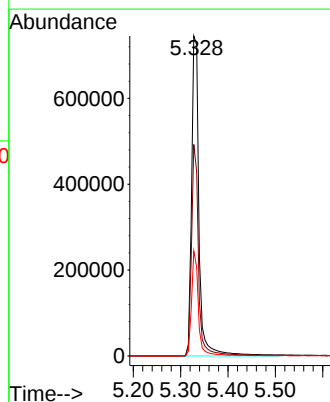
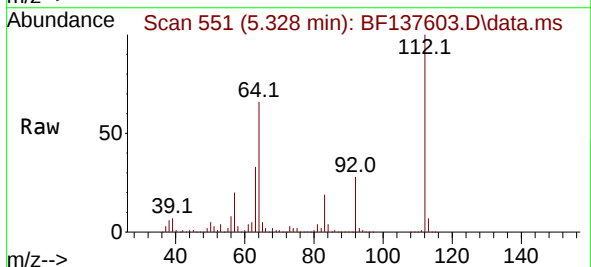
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#5  
2-Fluorophenol  
Concen: 97.378 ng  
RT: 5.328 min Scan# 551  
Delta R.T. -0.006 min  
Lab File: BF137603.D  
Acq: 14 Mar 2024 21:24

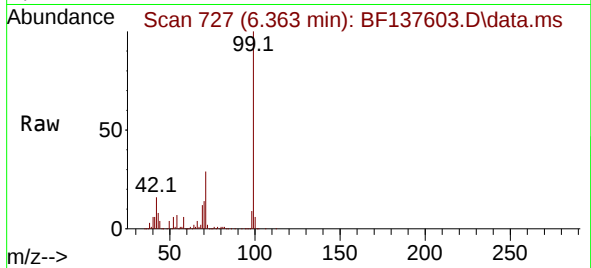
Tgt Ion:112 Resp: 815221  
Ion Ratio Lower Upper  
112 100  
64 66.1 53.4 80.2  
63 32.7 26.2 39.2





#7  
Phenol-d6  
Concen: 90.003 ng  
RT: 6.363 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF137603.D  
Acq: 14 Mar 2024 21:24

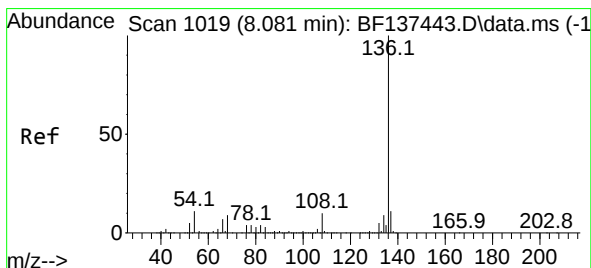
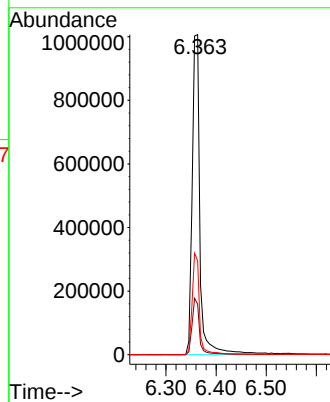
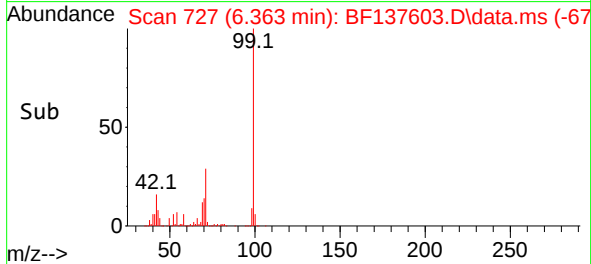
Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-0-2.0



Tgt Ion: 99 Resp: 1087629  
Ion Ratio Lower Upper  
99 100  
42 15.8 14.6 21.8  
71 29.3 25.3 37.9

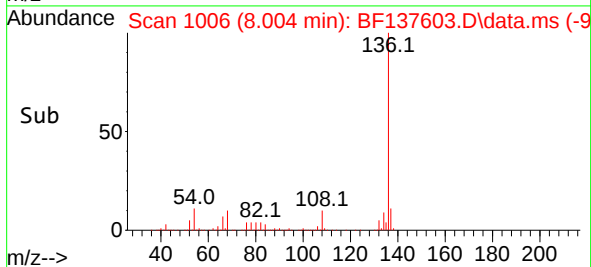
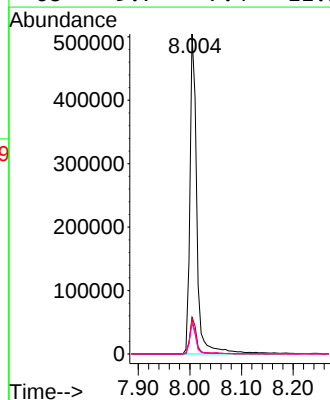
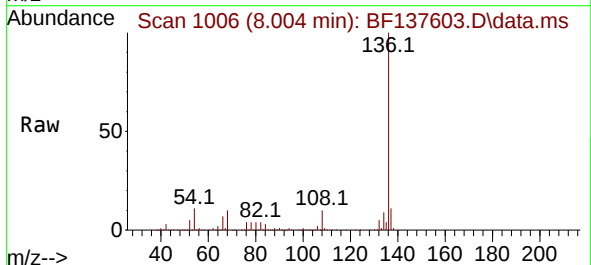
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Supervised By :mohammad ahmed 03/16/2024



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.004 min Scan# 1006  
Delta R.T. -0.006 min  
Lab File: BF137603.D  
Acq: 14 Mar 2024 21:24

Tgt Ion:136 Resp: 469527  
Ion Ratio Lower Upper  
136 100  
137 11.4 9.1 13.7  
54 10.9 8.5 12.7  
68 9.7 7.4 11.2





#23

Nitrobenzene-d5

Concen: 63.360 ng

RT: 7.287 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF137603.D

Acq: 14 Mar 2024 21:24

Instrument :

BNA\_F

ClientSampleId :

SB-04-0-2.0

Tgt Ion: 82 Resp: 640260

Ion Ratio Lower Upper

82 100

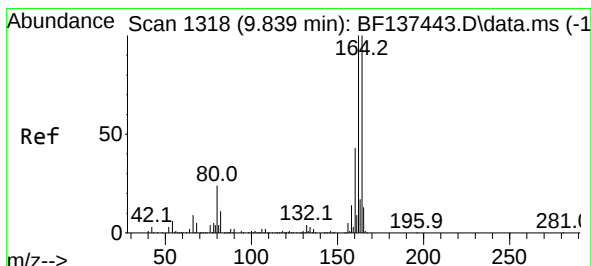
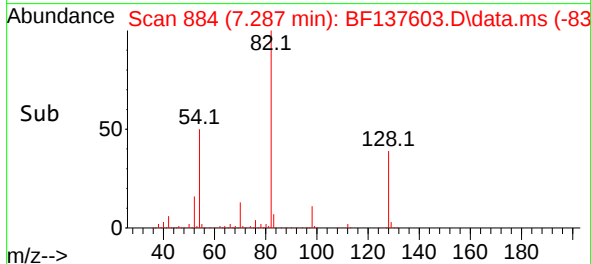
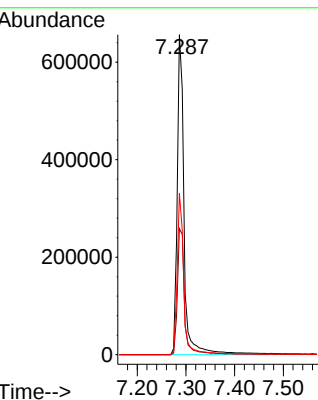
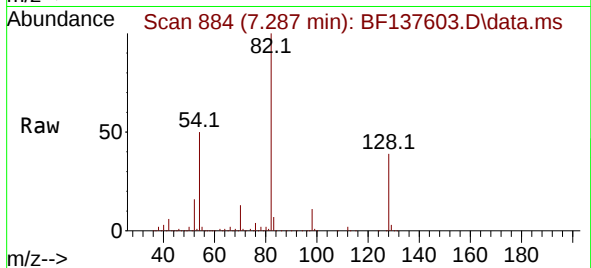
128 39.4 32.5 48.7

54 50.4 41.5 62.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.757 min Scan# 1304

Delta R.T. -0.006 min

Lab File: BF137603.D

Acq: 14 Mar 2024 21:24

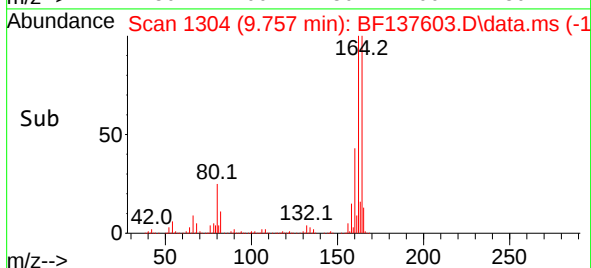
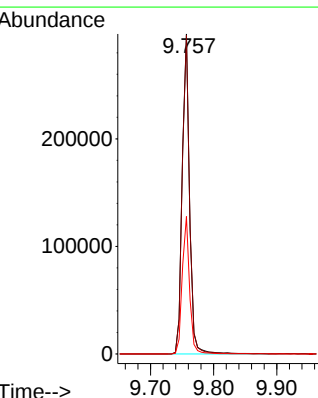
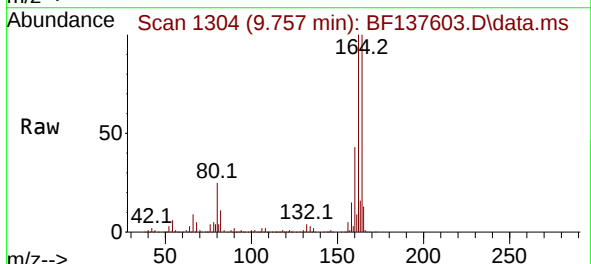
Tgt Ion:164 Resp: 240717

Ion Ratio Lower Upper

164 100

162 99.5 79.8 119.8

160 43.0 34.4 51.6





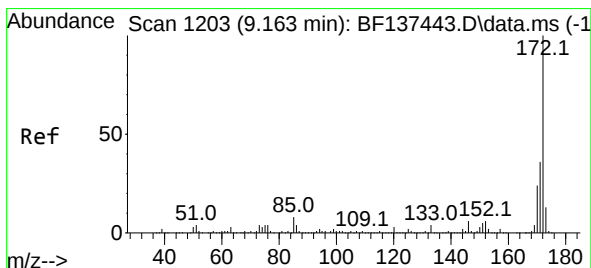
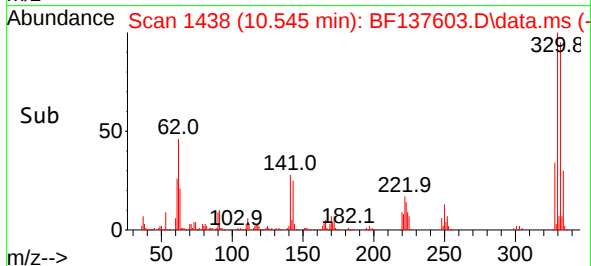
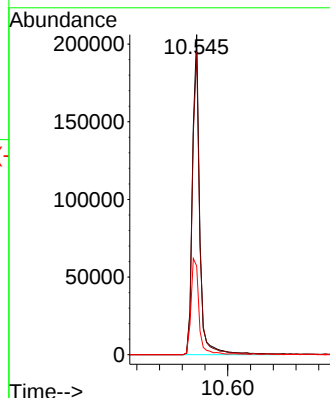
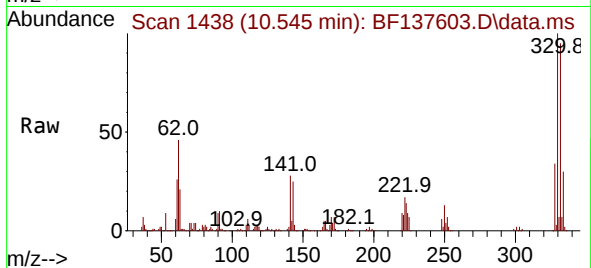
#42  
2,4,6-Tribromophenol  
Concen: 86.039 ng  
RT: 10.545 min Scan# 1453  
Delta R.T. -0.006 min  
Lab File: BF137603.D  
Acq: 14 Mar 2024 21:24

Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-0-2.0

Tgt Ion: 330 Resp: 181879  
Ion Ratio Lower Upper  
330 100  
332 95.0 78.0 117.0  
141 32.9 27.3 40.9

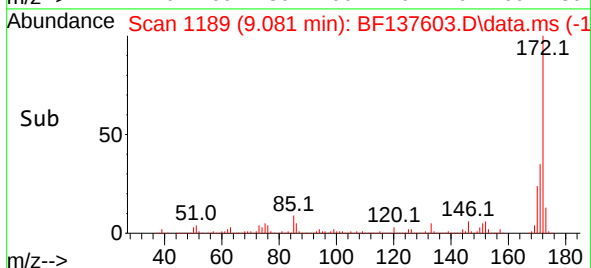
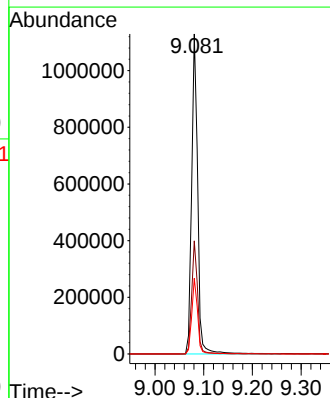
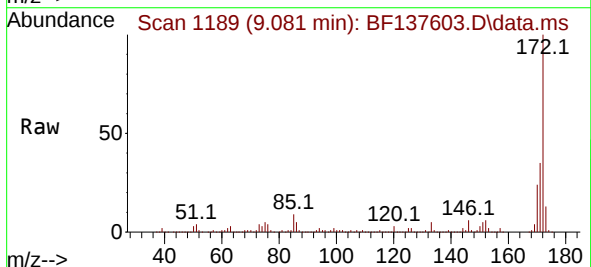
Manual Integrations  
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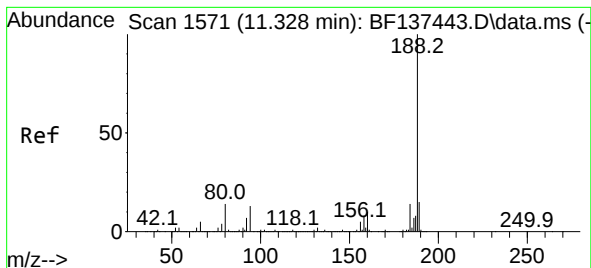
Reviewed By :Jagrut Upadhyay 03/15/2024  
Supervised By :mohammad ahmed 03/16/2024



#45  
2-Fluorobiphenyl  
Concen: 62.779 ng  
RT: 9.081 min Scan# 1189  
Delta R.T. -0.006 min  
Lab File: BF137603.D  
Acq: 14 Mar 2024 21:24

Tgt Ion: 172 Resp: 965392  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.5 42.7  
170 23.7 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.239 min Scan# 1560

Delta R.T. -0.000 min

Lab File: BF137603.D

Acq: 14 Mar 2024 21:24

Instrument :

BNA\_F

ClientSampleId :

SB-04-0-2.0

Tgt Ion:188 Resp: 37023

Ion Ratio Lower Upper

188 100

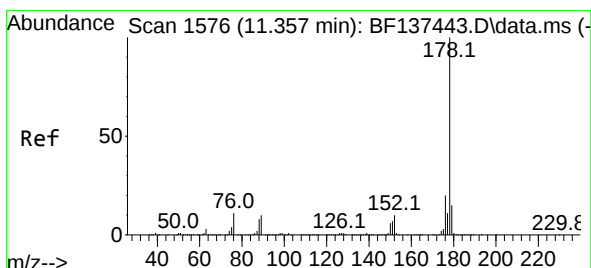
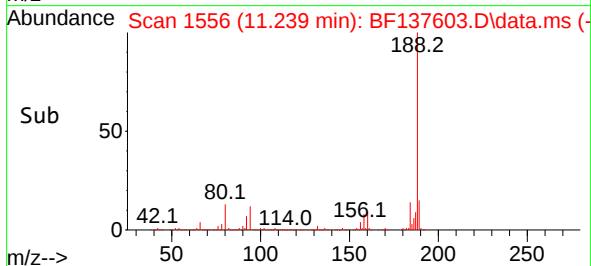
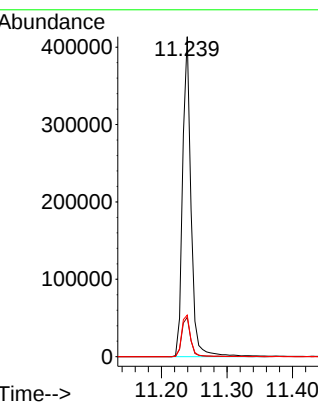
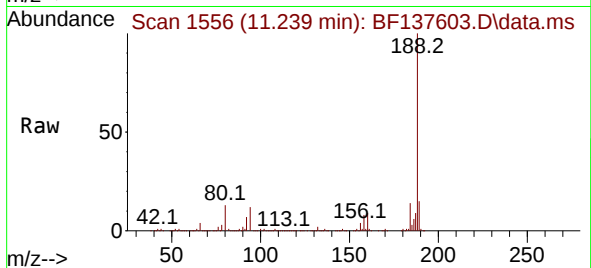
94 12.3 10.6 15.8

80 13.0 11.5 17.3

Manual Integrations

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Supervised By :mohammad ahmed 03/16/2024



#71

Phenanthrene

Concen: 3.530 ng

RT: 11.263 min Scan# 1560

Delta R.T. -0.006 min

Lab File: BF137603.D

Acq: 14 Mar 2024 21:24

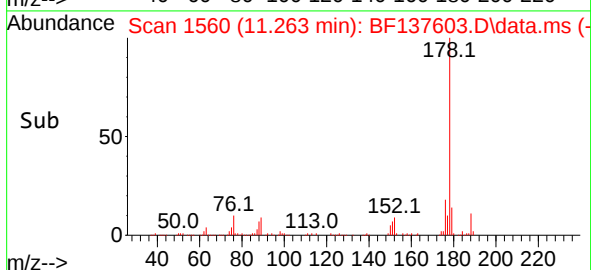
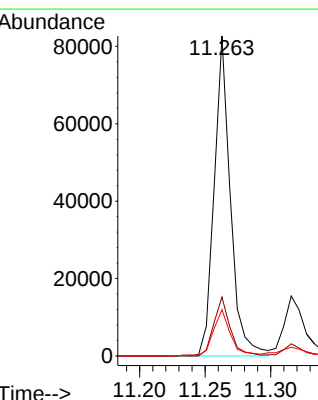
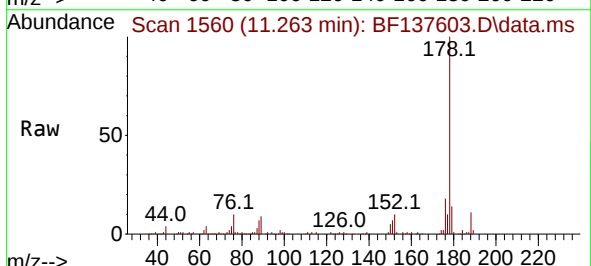
Tgt Ion:178 Resp: 71117

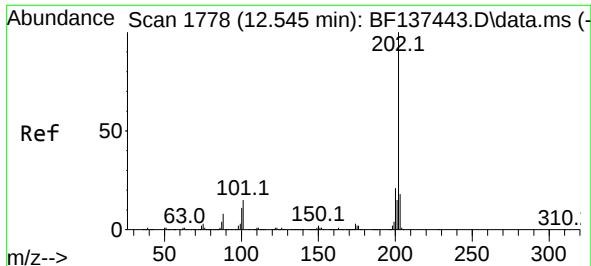
Ion Ratio Lower Upper

178 100

176 18.4 15.8 23.8

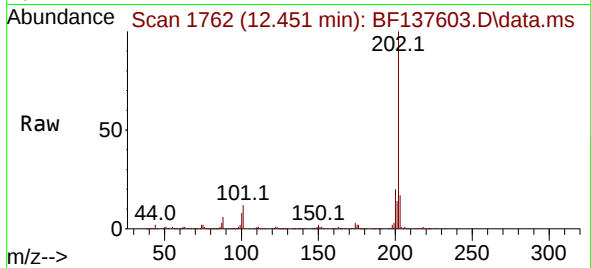
179 14.4 12.2 18.2





#75  
Fluoranthene  
Concen: 9.609 ng  
RT: 12.451 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF137603.D  
Acq: 14 Mar 2024 21:24

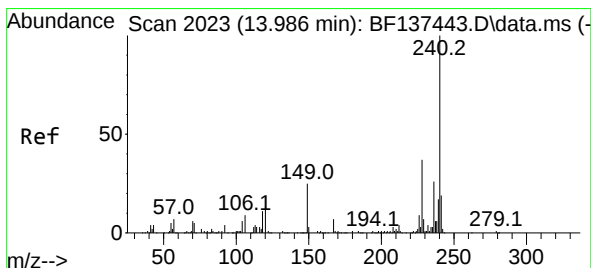
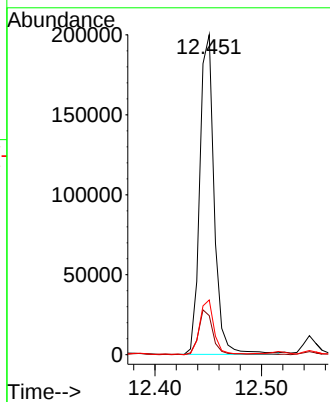
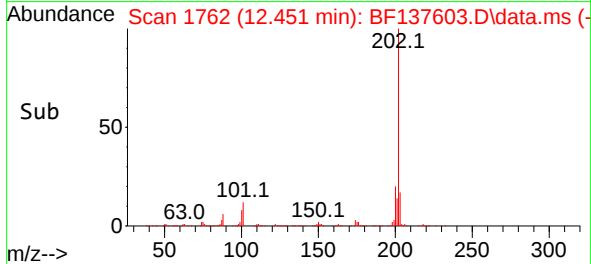
Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-0-2.0



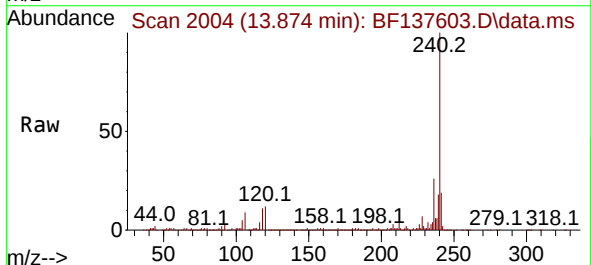
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Ion Ratio Lower Upper  
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203 17.1 0.0 37.7

Manual Integrations  
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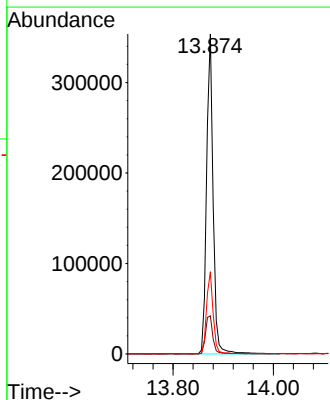
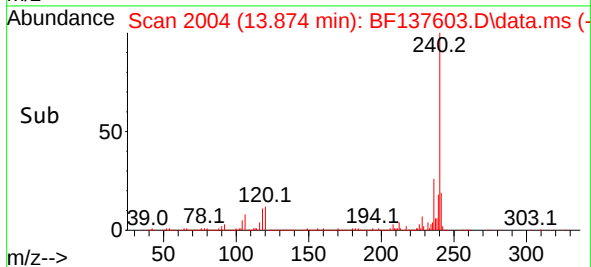
Reviewed By :Jagrut Upadhyay 03/15/2024  
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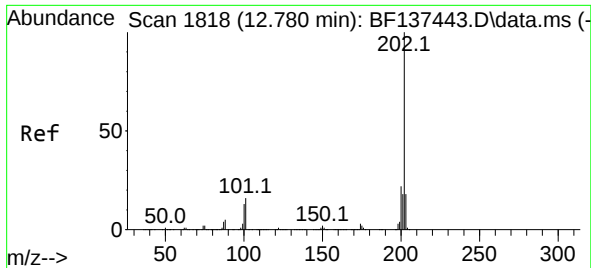


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.874 min Scan# 2004  
Delta R.T. -0.000 min  
Lab File: BF137603.D  
Acq: 14 Mar 2024 21:24



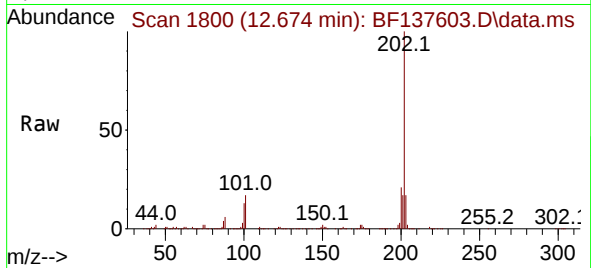
Tgt Ion:240 Resp: 323246  
Ion Ratio Lower Upper  
240 100  
120 11.9 10.4 15.6  
236 25.7 20.9 31.3





#78  
Pyrene  
Concen: 5.584 ng  
RT: 12.674 min Scan# 1800  
Delta R.T. -0.006 min  
Lab File: BF137603.D  
Acq: 14 Mar 2024 21:24

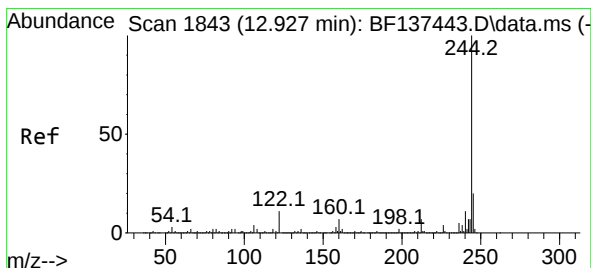
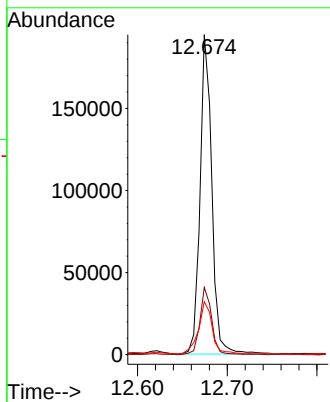
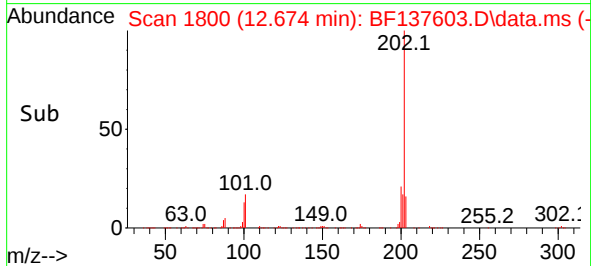
Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-0-2.0



Tgt Ion:202 Resp: 177110  
Ion Ratio Lower Upper  
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200 21.0 17.4 26.2  
203 16.6 14.1 21.1

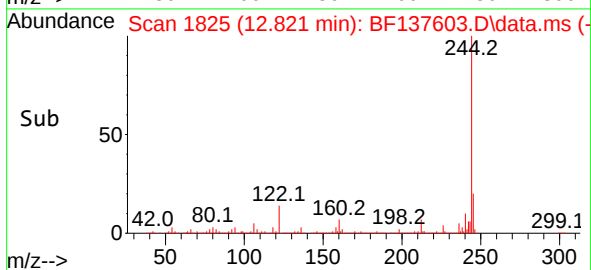
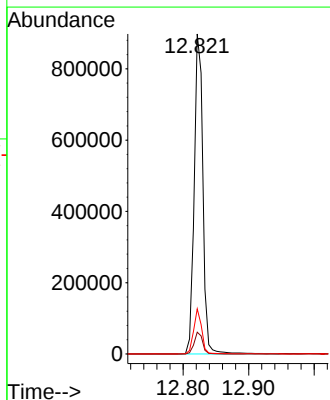
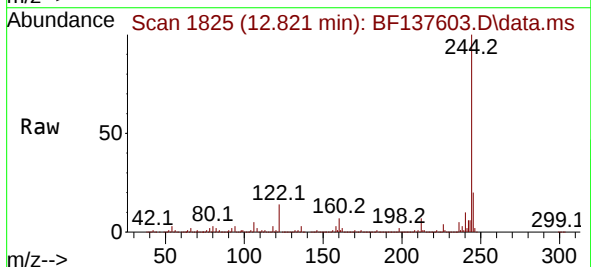
Manual Integrations  
APPROVED

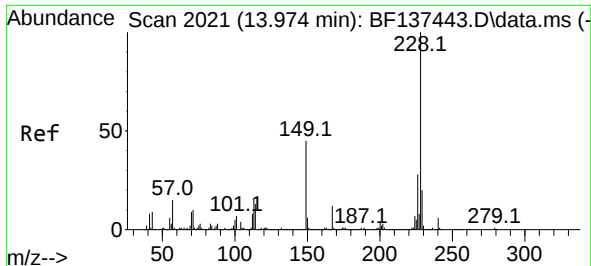
Reviewed By :Jagrut Upadhyay 03/15/2024  
Supervised By :mohammad ahmed 03/16/2024



#79  
Terphenyl-d14  
Concen: 35.215 ng  
RT: 12.821 min Scan# 1825  
Delta R.T. -0.006 min  
Lab File: BF137603.D  
Acq: 14 Mar 2024 21:24

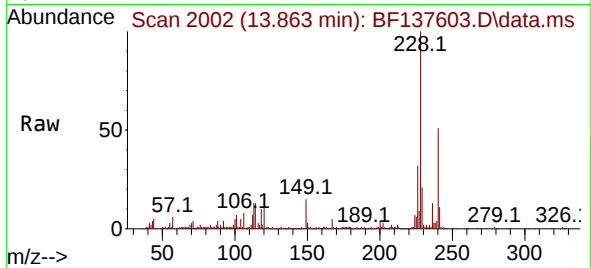
Tgt Ion:244 Resp: 827806  
Ion Ratio Lower Upper  
244 100  
212 6.8 5.4 8.2  
122 14.1 9.1 13.7#





#81  
Benzo(a)anthracene  
Concen: 4.942 ng  
RT: 13.863 min Scan# 2002  
Delta R.T. -0.006 min  
Lab File: BF137603.D  
Acq: 14 Mar 2024 21:24

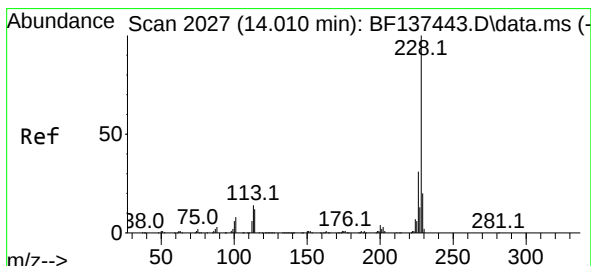
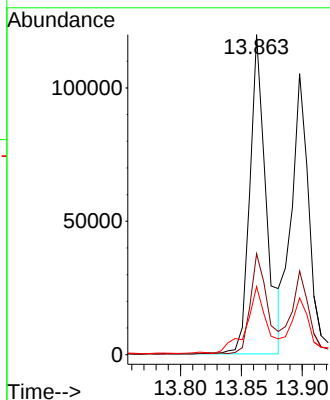
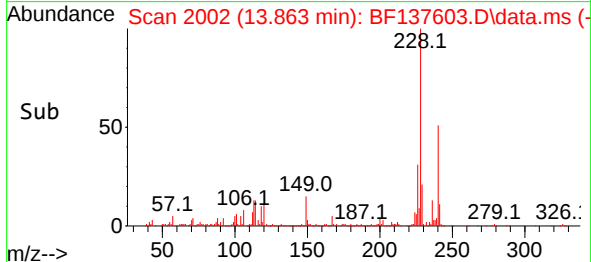
Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-0-2.0



Tgt Ion:228 Resp: 11197  
Ion Ratio Lower Upper  
228 100  
226 31.6 22.3 33.5  
229 21.3 16.3 24.5

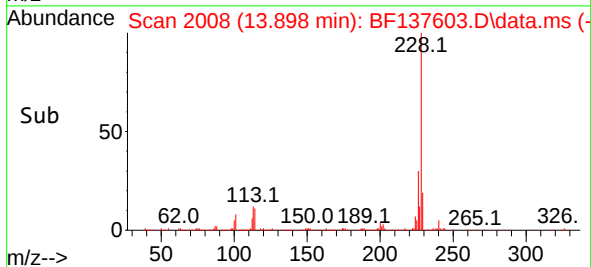
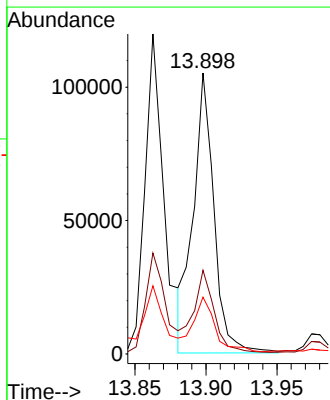
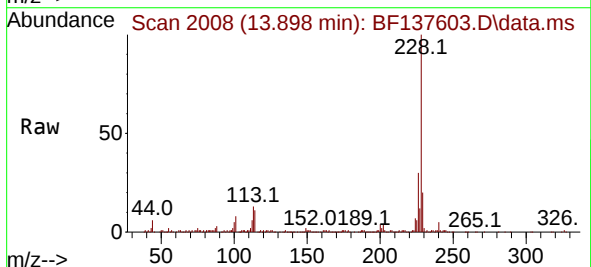
Manual Integrations  
APPROVED

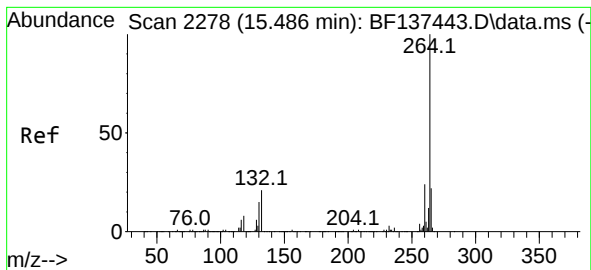
Reviewed By :Jagrut Upadhyay 03/15/2024  
Supervised By :mohammad ahmed 03/16/2024



#83  
Chrysene  
Concen: 4.643 ng  
RT: 13.898 min Scan# 2008  
Delta R.T. -0.006 min  
Lab File: BF137603.D  
Acq: 14 Mar 2024 21:24

Tgt Ion:228 Resp: 106306  
Ion Ratio Lower Upper  
228 100  
226 29.8 24.7 37.1  
229 20.2 15.9 23.9





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.292 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF137603.D  
Acq: 14 Mar 2024 21:24

Instrument :

BNA\_F

ClientSampleId :

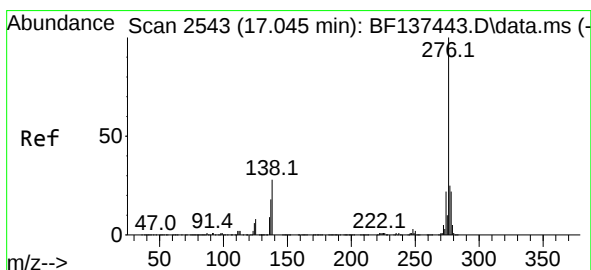
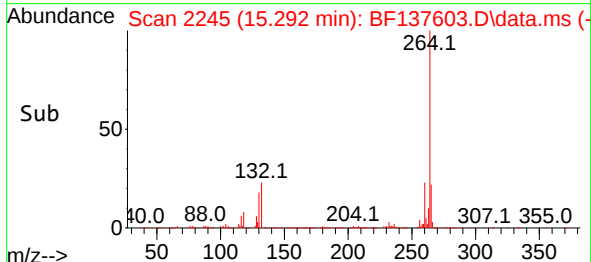
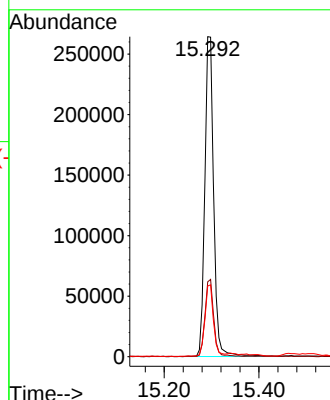
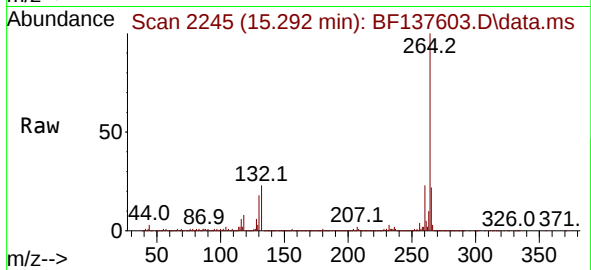
SB-04-0-2.0

Tgt Ion:264 Resp: 341209  
Ion Ratio Lower Upper  
264 100  
260 23.4 19.3 28.9  
265 22.1 17.4 26.0

Manual Integrations

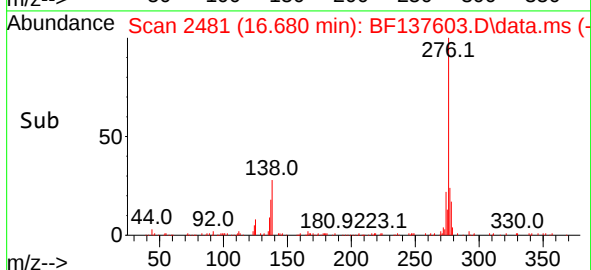
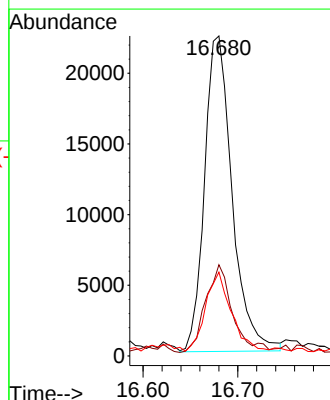
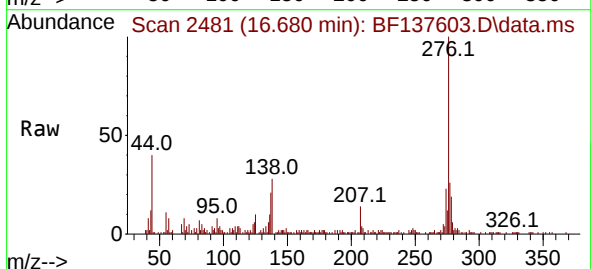
APPROVED

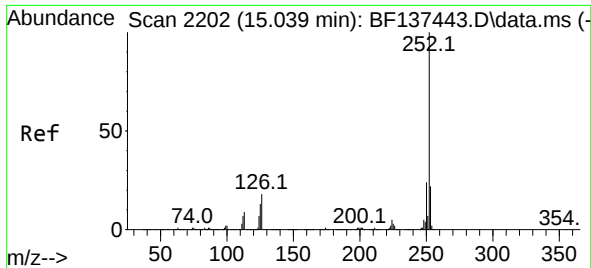
Reviewed By :Jagrut Upadhyay 03/15/2024  
Supervised By :mohammad ahmed 03/16/2024



#87  
Indeno(1,2,3-cd)pyrene  
Concen: 2.014 ng  
RT: 16.680 min Scan# 2481  
Delta R.T. -0.006 min  
Lab File: BF137603.D  
Acq: 14 Mar 2024 21:24

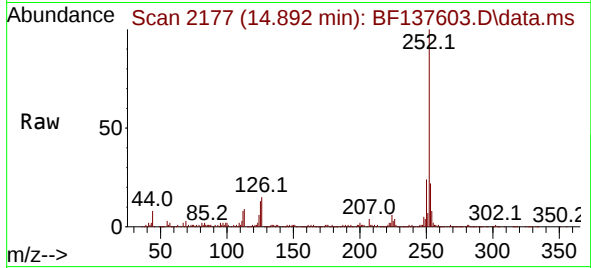
Tgt Ion:276 Resp: 45216  
Ion Ratio Lower Upper  
276 100  
138 27.3 25.8 38.8  
277 23.2 20.2 30.2





#88  
Benzo(b)fluoranthene  
Concen: 7.349 ng m  
RT: 14.892 min Scan# 2177  
Delta R.T. -0.000 min  
Lab File: BF137603.D  
Acq: 14 Mar 2024 21:24

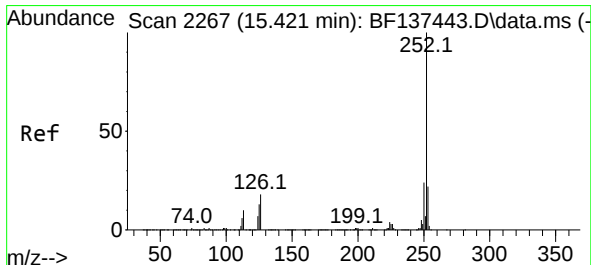
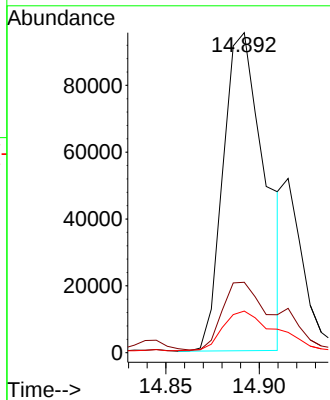
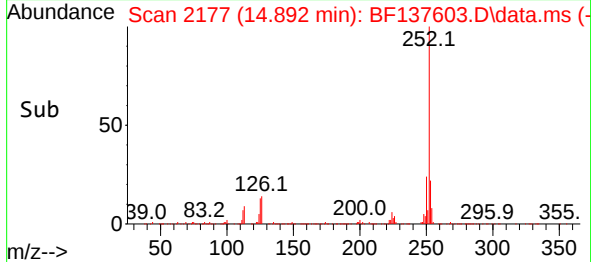
Instrument :  
BNA\_F  
ClientSampleId :  
SB-04-0-2.0



Tgt Ion:252 Resp: 148338  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.8 26.8  
125 13.0 10.1 15.1

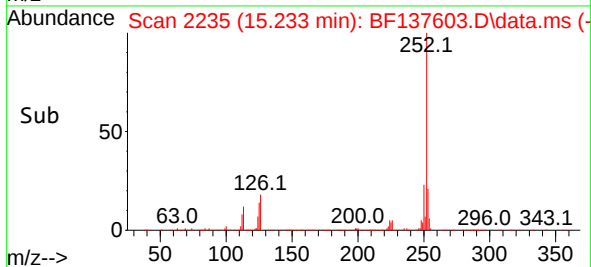
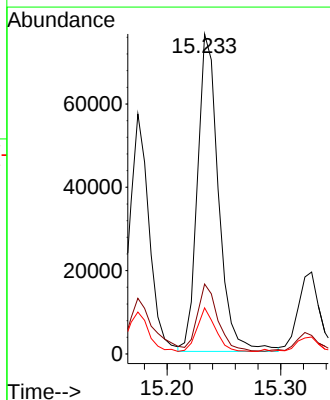
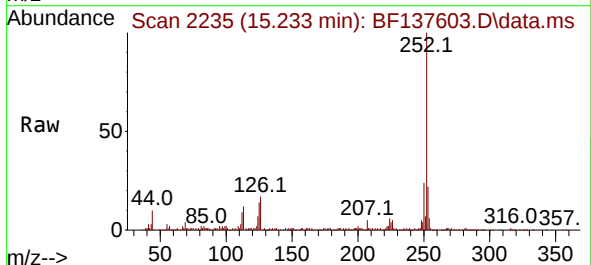
Manual Integrations  
APPROVED

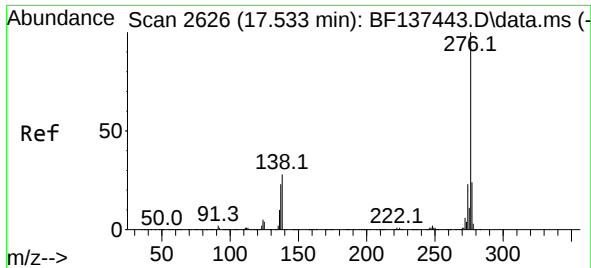
Reviewed By :Jagrut Upadhyay 03/15/2024  
Supervised By :mohammad ahmed 03/16/2024



#90  
Benzo(a)pyrene  
Concen: 4.928 ng  
RT: 15.233 min Scan# 2235  
Delta R.T. -0.006 min  
Lab File: BF137603.D  
Acq: 14 Mar 2024 21:24

Tgt Ion:252 Resp: 98025  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.4 26.2  
125 14.4 10.4 15.6





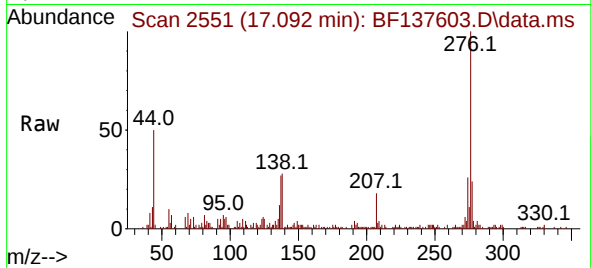
#92  
 Benzo(g,h,i)perylene  
 Concen: 2.214 ng  
 RT: 17.092 min Scan# 21  
 Delta R.T. -0.012 min  
 Lab File: BF137603.D  
 Acq: 14 Mar 2024 21:24

Instrument :

BNA\_F

ClientSampleId :

SB-04-0-2.0



Tgt Ion:276 Resp: 4141  
 Ion Ratio Lower Upper  
 276 100  
 277 24.5 19.0 28.4  
 138 28.2 22.2 33.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 03/15/2024  
 Supervised By :mohammad ahmed 03/16/2024

