

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081822\  
 Data File : BF129872.D  
 Acq On : 18 Aug 2022 13:07  
 Operator : CG\JU  
 Sample : N4189-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB18

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 08/19/2022  
 Supervised By : Jagrut Upadhyay 08/19/2022

Quant Time: Aug 18 13:37:15 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 18 12:03:10 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.792  | 152  | 133559   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.075  | 136  | 532277   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.833  | 164  | 279463   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.321 | 188  | 432444   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.968 | 240  | 212811   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.433 | 264  | 265070   | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.428  | 112  | 305475   | 37.869 | ng    | 0.00     |
| 7) Phenol-d6                | 6.445  | 99   | 443007   | 43.855 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.357  | 82   | 303408   | 30.514 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.627 | 330  | 69302    | 24.708 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.151  | 172  | 586384   | 31.868 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.904 | 244  | 436568   | 34.135 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 11.345 | 178  | 226756   | 9.389  | ng    | 100      |
| 75) Fluoranthene            | 12.539 | 202  | 246229   | 9.963  | ng    | 99       |
| 78) Pyrene                  | 12.768 | 202  | 210941   | 11.406 | ng    | 100      |
| 81) Benzo(a)anthracene      | 13.962 | 228  | 65667    | 4.486  | ng    | 99       |
| 83) Chrysene                | 13.998 | 228  | 58837    | 4.294  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene  | 16.903 | 276  | 51562    | 2.833  | ng    | 95       |
| 88) Benzo(b)fluoranthene    | 15.009 | 252  | 87814m   | 4.838  | ng    |          |
| 90) Benzo(a)pyrene          | 15.374 | 252  | 68281    | 4.777  | ng    | 99       |
| 92) Benzo(g,h,i)perylene    | 17.350 | 276  | 52752    | 3.522  | ng    | 98       |
| -----                       |        |      |          |        |       |          |

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

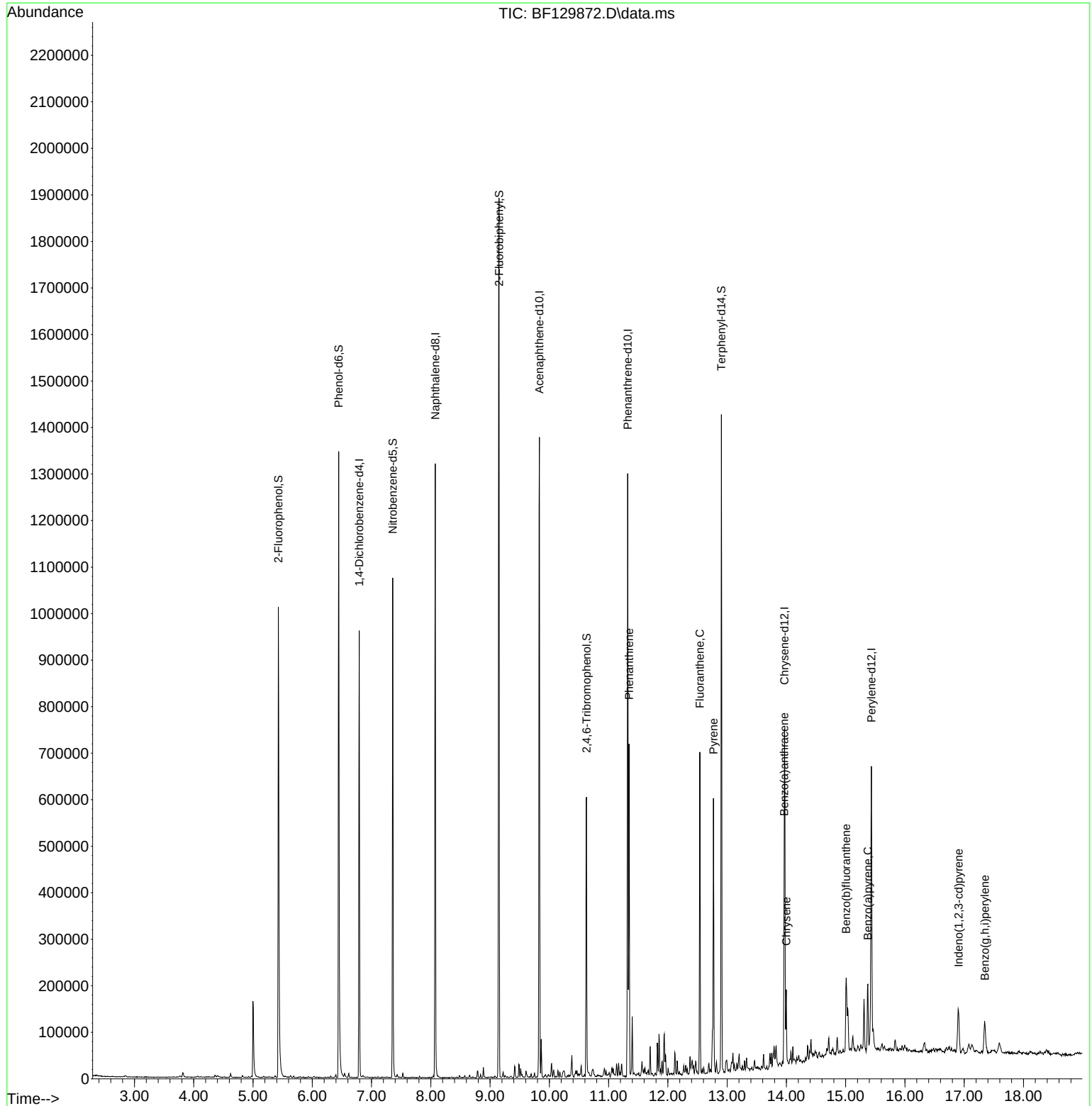
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081822\  
Data File : BF129872.D  
Acq On : 18 Aug 2022 13:07  
Operator : CG\JU  
Sample : N4189-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

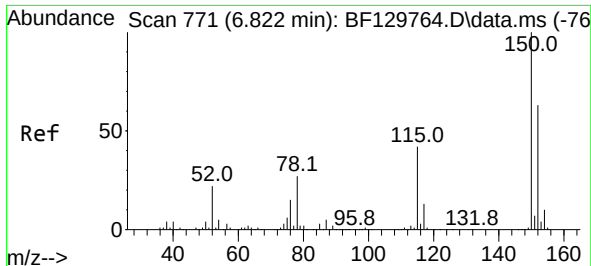
Instrument :  
BNA\_F  
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Reviewed By : Christian Giraldo 08/19/2022  
Supervised By : Jagrut Upadhyay 08/19/2022

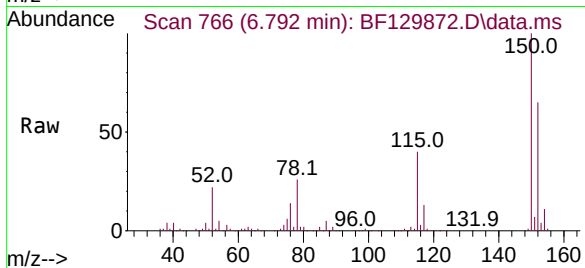
Quant Time: Aug 18 13:37:15 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 18 12:03:10 2022  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.792 min Scan# 70  
Delta R.T. 0.000 min  
Lab File: BF129872.D  
Acq: 18 Aug 2022 13:07

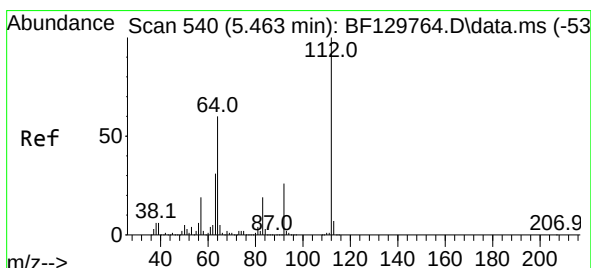
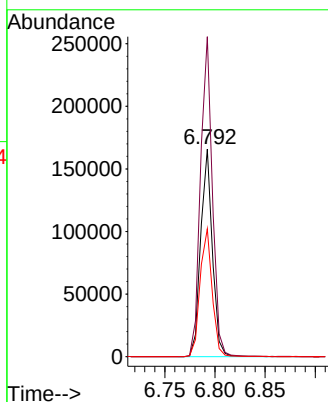
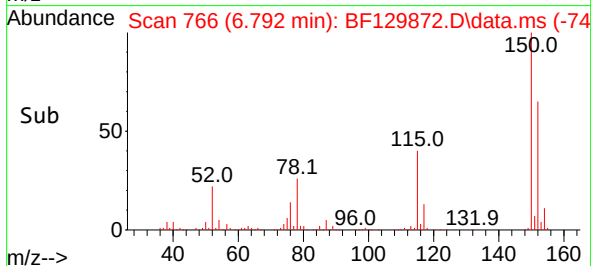
Instrument :  
BNA\_F  
ClientSampleId :  
SB18



Tgt Ion:152 Resp: 133559  
Ion Ratio Lower Upper  
152 100  
150 154.3 126.9 190.3  
115 61.6 53.4 80.0

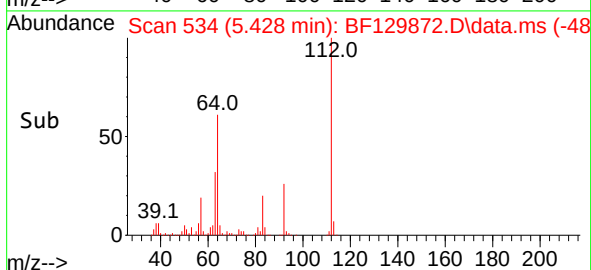
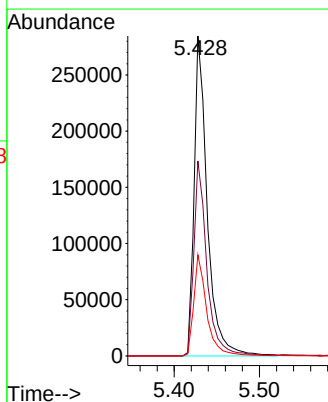
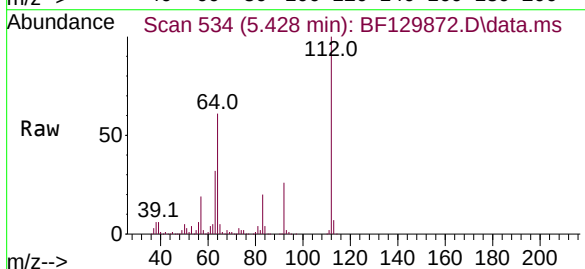
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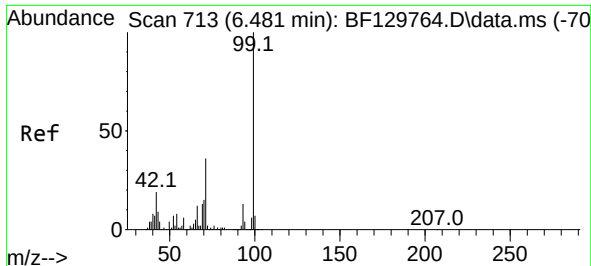
Reviewed By :Christian Giraldo 08/19/2022  
Supervised By :Jagrut Upadhyay 08/19/2022



#5  
2-Fluorophenol  
Concen: 37.869 ng  
RT: 5.428 min Scan# 534  
Delta R.T. 0.000 min  
Lab File: BF129872.D  
Acq: 18 Aug 2022 13:07

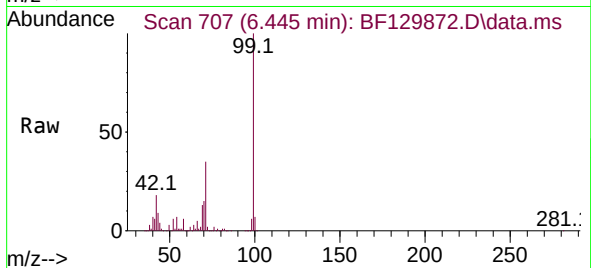
Tgt Ion:112 Resp: 305475  
Ion Ratio Lower Upper  
112 100  
64 60.9 47.6 71.4  
63 31.6 24.6 37.0





#7  
Phenol-d6  
Concen: 43.855 ng  
RT: 6.445 min Scan# 70  
Delta R.T. -0.006 min  
Lab File: BF129872.D  
Acq: 18 Aug 2022 13:07

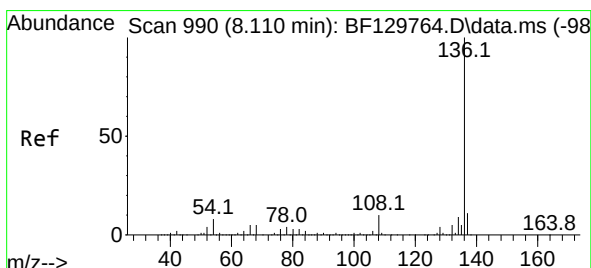
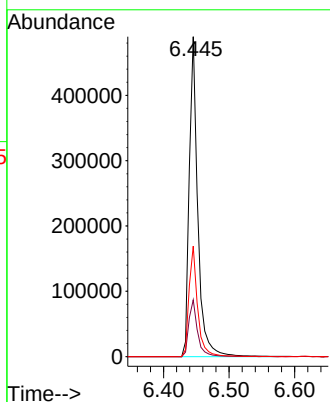
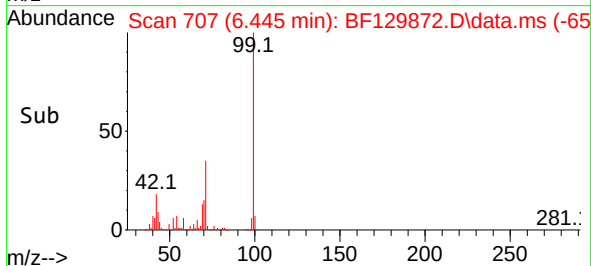
Instrument :  
BNA\_F  
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Tgt Ion: 99 Resp: 443007  
Ion Ratio Lower Upper  
99 100  
42 17.7 15.0 22.4  
71 34.5 28.8 43.2

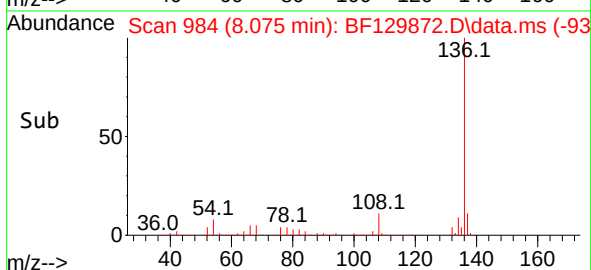
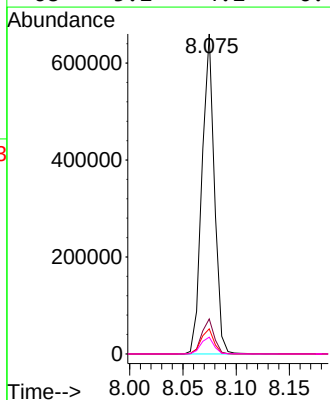
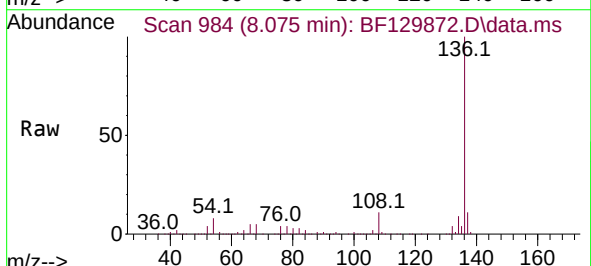
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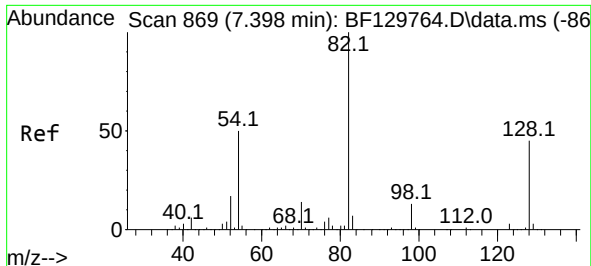
Reviewed By :Christian Giraldo 08/19/2022  
Supervised By :Jagrut Upadhyay 08/19/2022



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.075 min Scan# 984  
Delta R.T. -0.006 min  
Lab File: BF129872.D  
Acq: 18 Aug 2022 13:07

Tgt Ion:136 Resp: 532277  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.4 12.6  
54 7.8 6.2 9.2  
68 5.2 4.2 6.4





#23

Nitrobenzene-d5

Concen: 30.514 ng

RT: 7.357 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF129872.D

Acq: 18 Aug 2022 13:07

Instrument :

BNA\_F

ClientSampleId :

SB18

Tgt Ion: 82 Resp: 303408

Ion Ratio Lower Upper

82 100

128 42.3 36.1 54.1

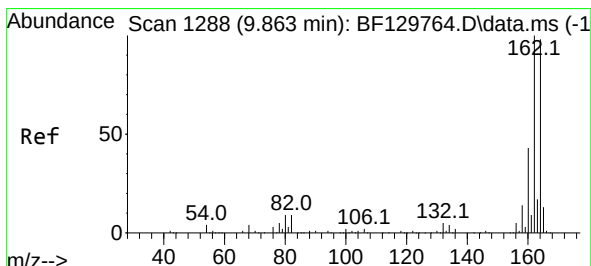
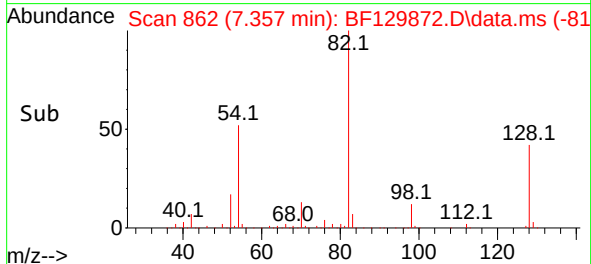
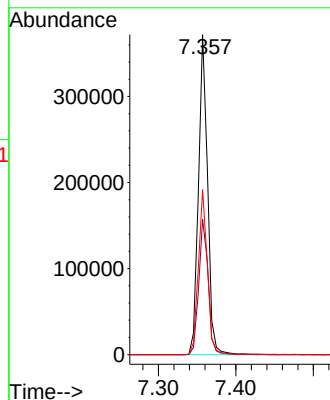
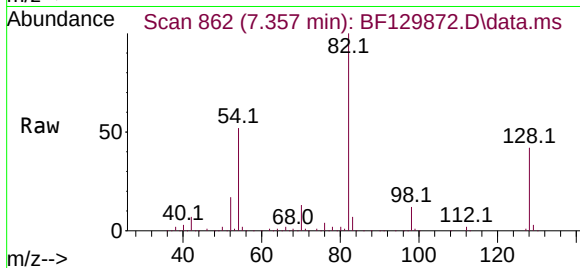
54 51.6 40.0 60.0

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Supervised By :Jagrut Upadhyay 08/19/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1283

Delta R.T. 0.000 min

Lab File: BF129872.D

Acq: 18 Aug 2022 13:07

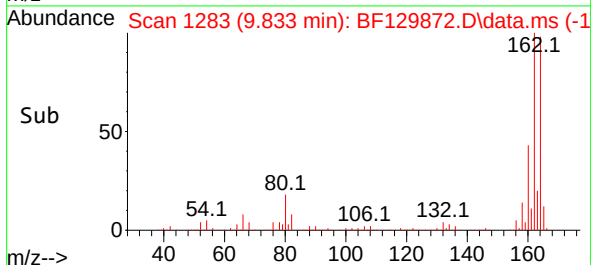
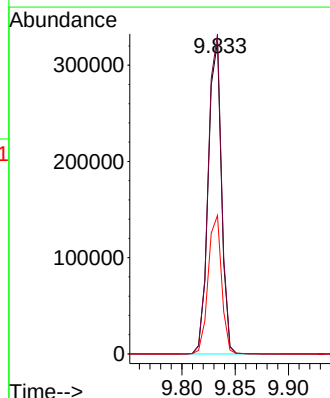
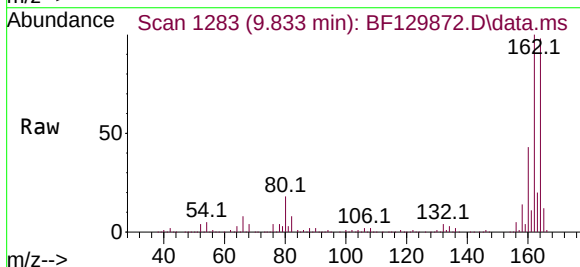
Tgt Ion:164 Resp: 279463

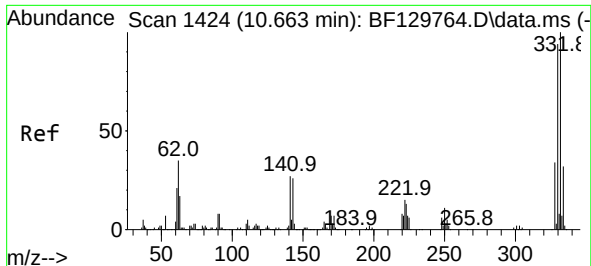
Ion Ratio Lower Upper

164 100

162 102.5 82.0 123.0

160 44.4 35.4 53.0





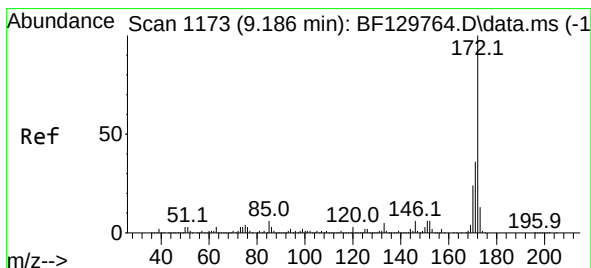
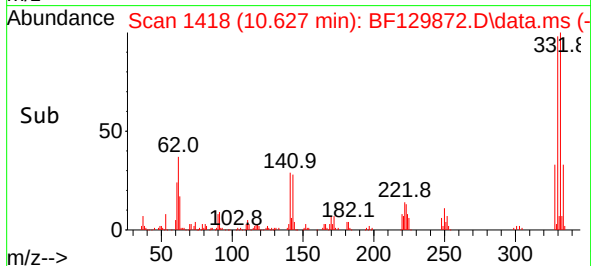
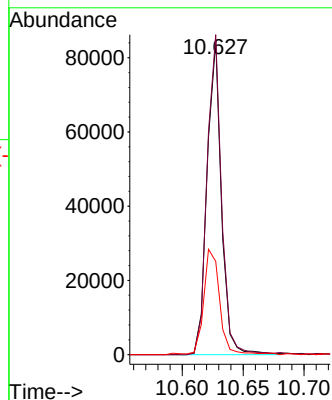
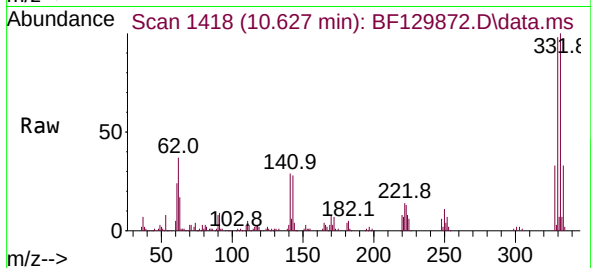
#42  
2,4,6-Tribromophenol  
Concen: 24.708 ng  
RT: 10.627 min Scan# 1424  
Delta R.T. 0.000 min  
Lab File: BF129872.D  
Acq: 18 Aug 2022 13:07

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 330 Resp: 69302  
Ion Ratio Lower Upper  
330 100  
332 103.7 82.6 124.0  
141 37.9 27.6 41.4

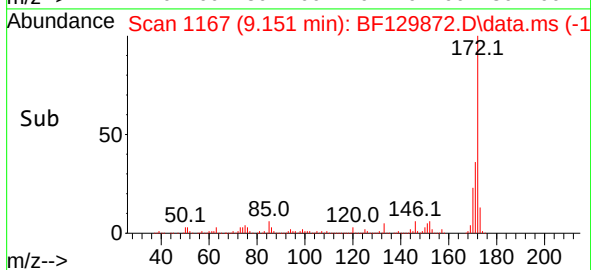
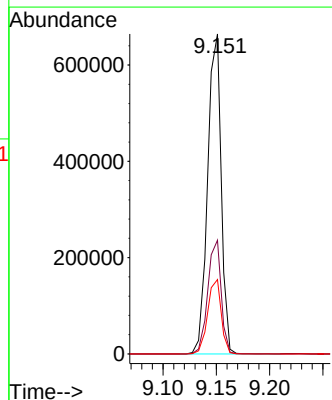
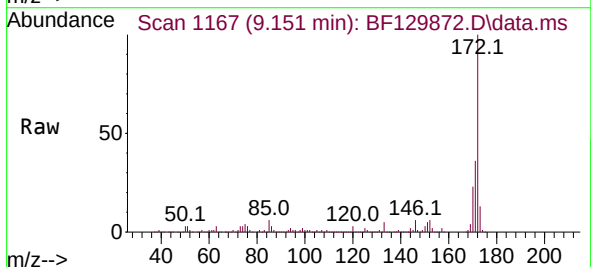
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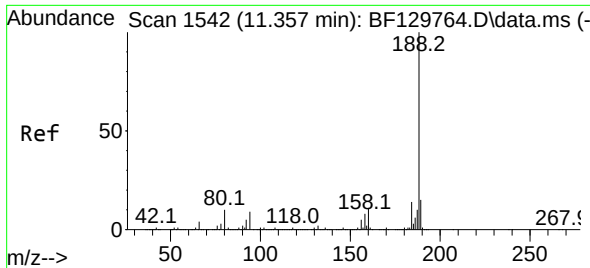
Reviewed By : Christian Giraldo 08/19/2022  
Supervised By : Jagrut Upadhyay 08/19/2022



#45  
2-Fluorobiphenyl  
Concen: 31.868 ng  
RT: 9.151 min Scan# 1167  
Delta R.T. 0.000 min  
Lab File: BF129872.D  
Acq: 18 Aug 2022 13:07

Tgt Ion: 172 Resp: 586384  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.4 42.6  
170 23.2 19.1 28.7





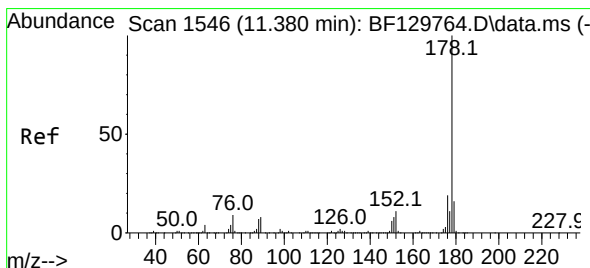
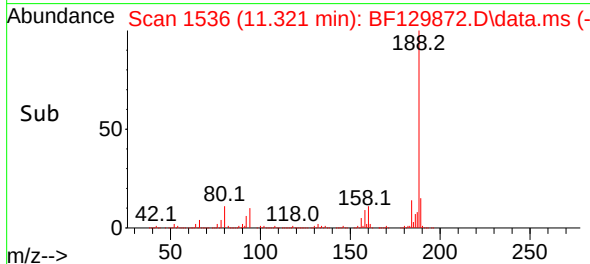
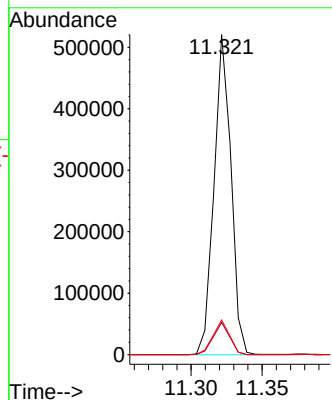
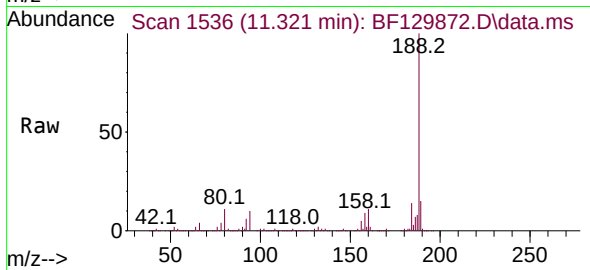
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.321 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF129872.D  
Acq: 18 Aug 2022 13:07

Instrument :  
BNA\_F  
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Tgt Ion:188 Resp: 432444  
Ion Ratio Lower Upper  
188 100  
94 10.0 7.4 11.2  
80 10.8 7.9 11.9

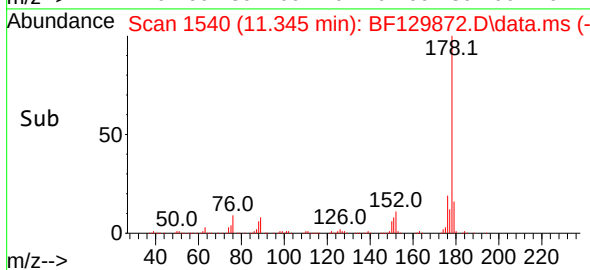
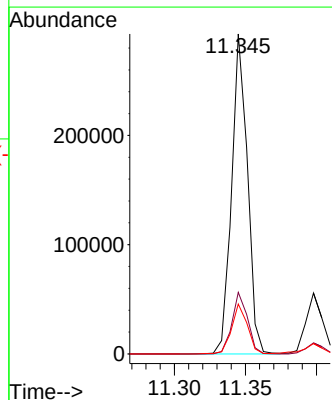
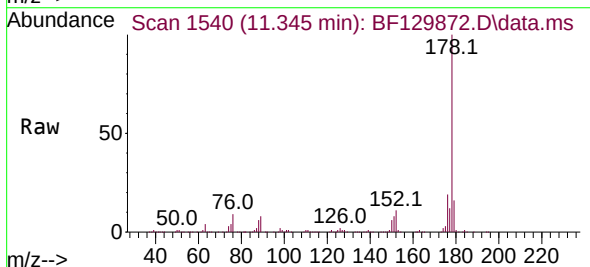
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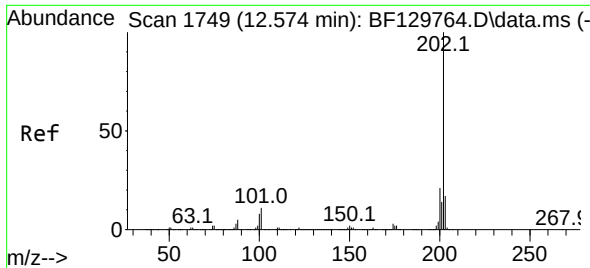
Reviewed By :Christian Giraldo 08/19/2022  
Supervised By :Jagrut Upadhyay 08/19/2022



#71  
Phenanthrene  
Concen: 9.389 ng  
RT: 11.345 min Scan# 1540  
Delta R.T. -0.006 min  
Lab File: BF129872.D  
Acq: 18 Aug 2022 13:07

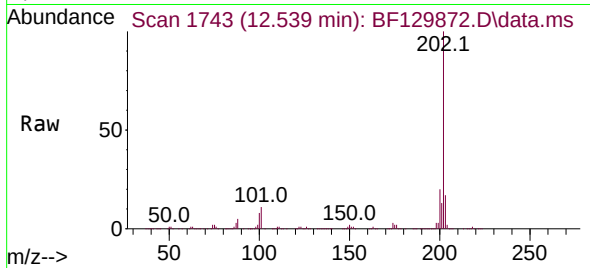
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Ion Ratio Lower Upper  
178 100  
176 19.2 15.5 23.3  
179 15.6 12.5 18.7





#75  
Fluoranthene  
Concen: 9.963 ng  
RT: 12.539 min Scan# 1743  
Delta R.T. 0.000 min  
Lab File: BF129872.D  
Acq: 18 Aug 2022 13:07

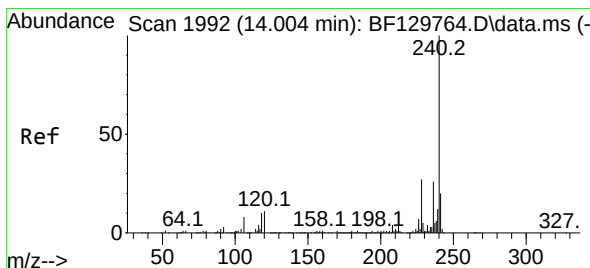
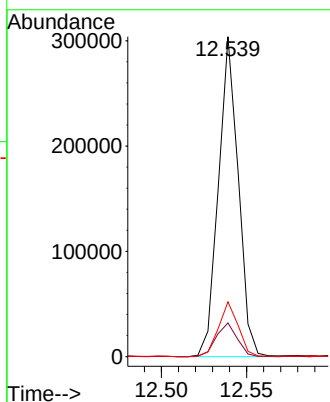
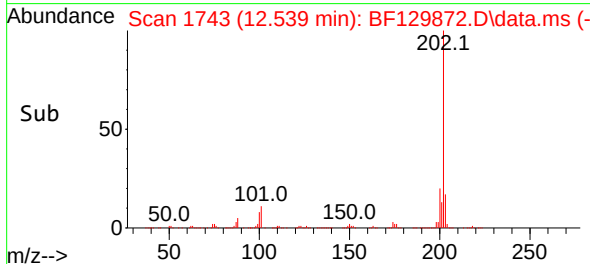
Instrument :  
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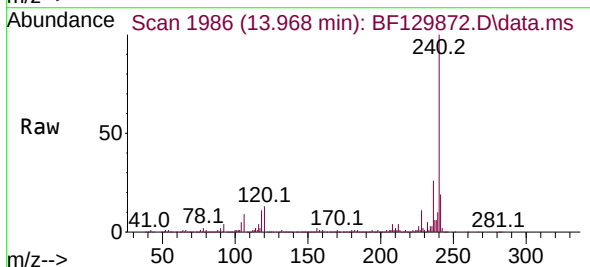
Tgt Ion:202 Resp: 246229  
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202 100  
101 10.5 0.0 30.7  
203 17.1 0.0 37.5

Manual Integrations  
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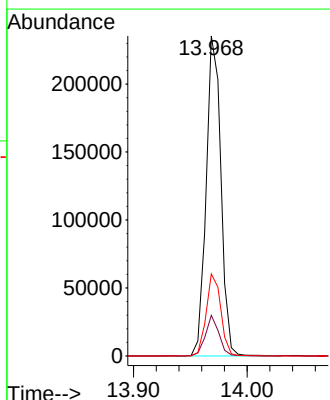
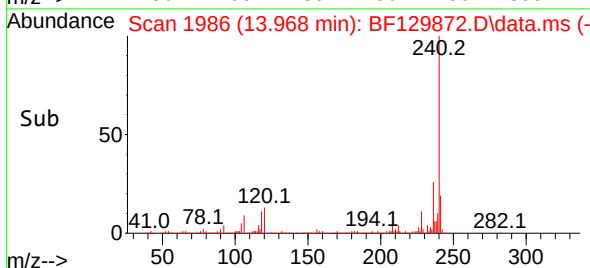
Reviewed By :Christian Giraldo 08/19/2022  
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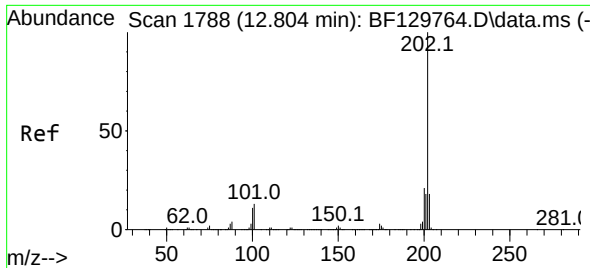
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.968 min Scan# 1986  
Delta R.T. -0.006 min  
Lab File: BF129872.D  
Acq: 18 Aug 2022 13:07



Tgt Ion:240 Resp: 212811  
Ion Ratio Lower Upper  
240 100  
120 12.7 9.2 13.8  
236 25.6 20.7 31.1

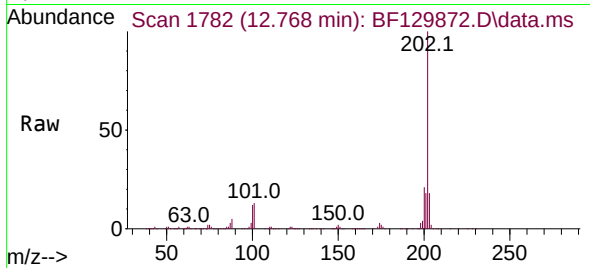






#78  
Pyrene  
Concen: 11.406 ng  
RT: 12.768 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF129872.D  
Acq: 18 Aug 2022 13:07

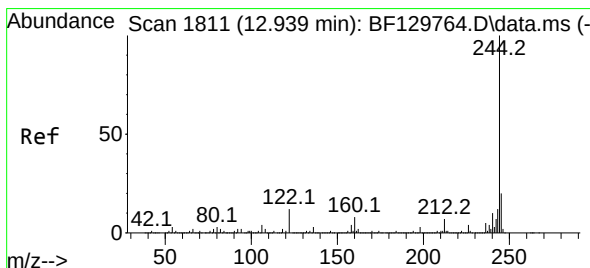
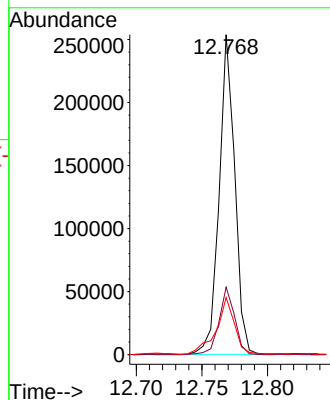
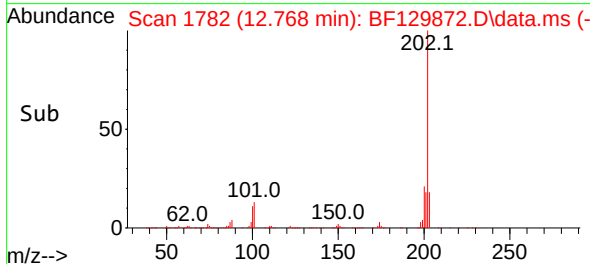
Instrument :  
BNA\_F  
ClientSampleId :  
SB18



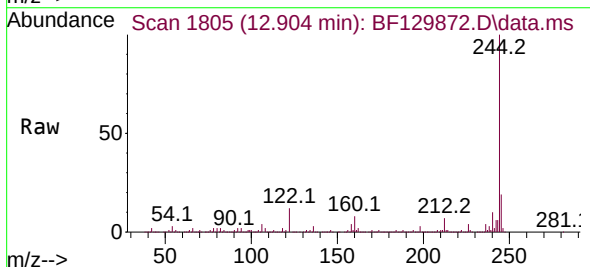
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Ion Ratio Lower Upper  
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200 21.1 17.0 25.6  
203 17.8 14.1 21.1

Manual Integrations  
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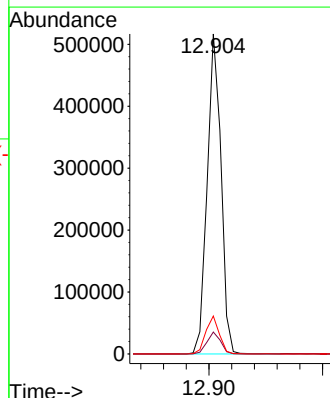
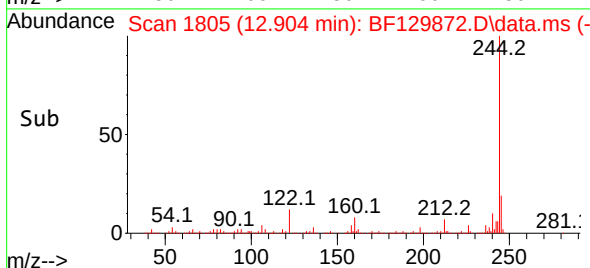
Reviewed By :Christian Giraldo 08/19/2022  
Supervised By :Jagrut Upadhyay 08/19/2022

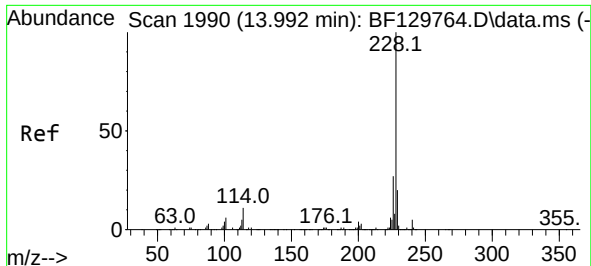


#79  
Terphenyl-d14  
Concen: 34.135 ng  
RT: 12.904 min Scan# 1805  
Delta R.T. -0.006 min  
Lab File: BF129872.D  
Acq: 18 Aug 2022 13:07



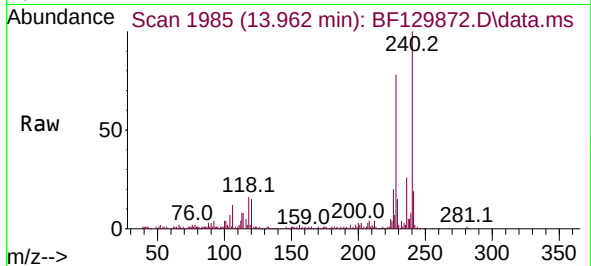
Tgt Ion:244 Resp: 436568  
Ion Ratio Lower Upper  
244 100  
212 6.8 5.9 8.9  
122 11.8 9.9 14.9





#81  
Benzo(a)anthracene  
Concen: 4.486 ng  
RT: 13.962 min Scan# 1990  
Delta R.T. 0.000 min  
Lab File: BF129872.D  
Acq: 18 Aug 2022 13:07

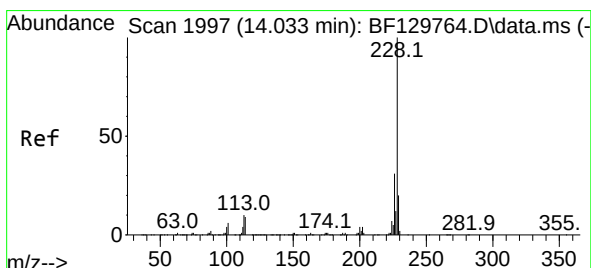
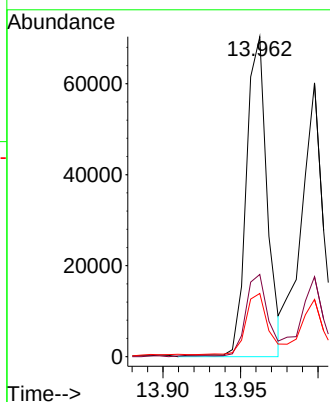
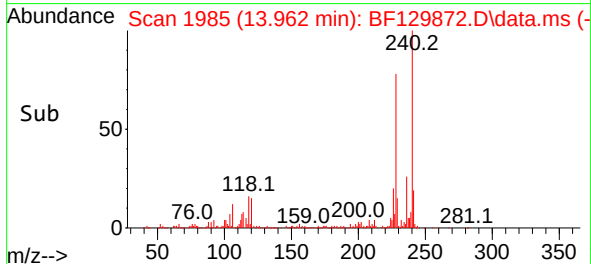
Instrument :  
BNA\_F  
ClientSampleId :  
SB18



Tgt Ion:228 Resp: 65662  
Ion Ratio Lower Upper  
228 100  
226 25.7 21.4 32.0  
229 19.7 16.1 24.1

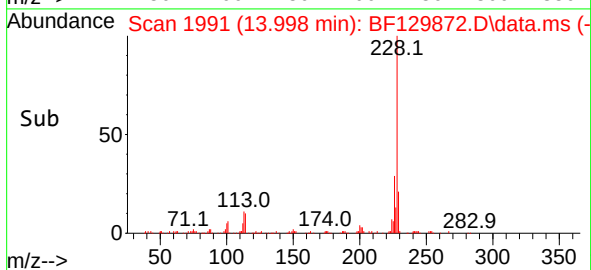
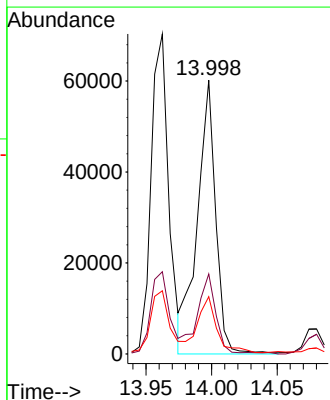
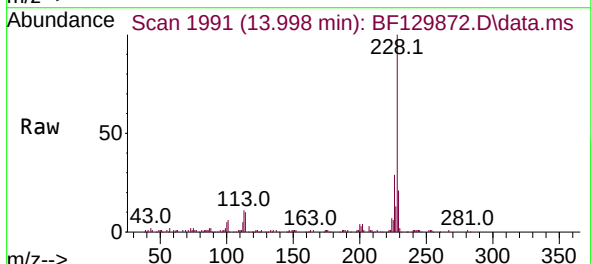
Manual Integrations  
APPROVED

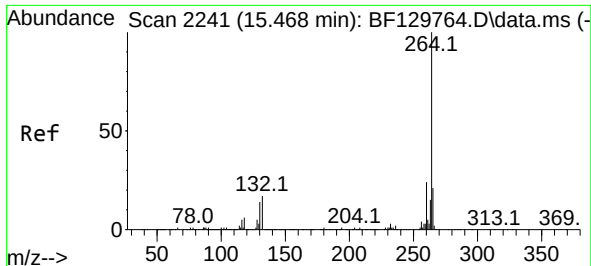
Reviewed By :Christian Giraldo 08/19/2022  
Supervised By :Jagrut Upadhyay 08/19/2022



#83  
Chrysene  
Concen: 4.294 ng  
RT: 13.998 min Scan# 1991  
Delta R.T. 0.000 min  
Lab File: BF129872.D  
Acq: 18 Aug 2022 13:07

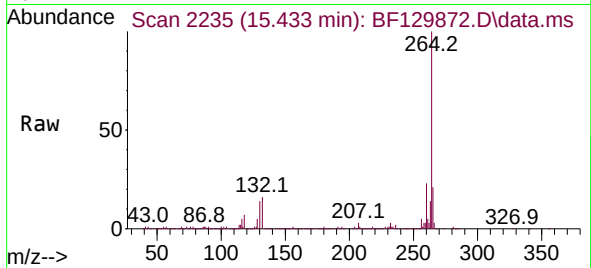
Tgt Ion:228 Resp: 58837  
Ion Ratio Lower Upper  
228 100  
226 29.2 24.4 36.6  
229 20.9 15.9 23.9





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.433 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF129872.D  
Acq: 18 Aug 2022 13:07

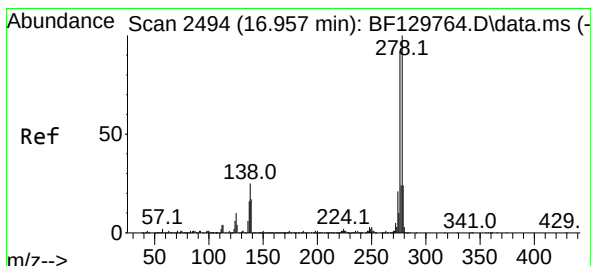
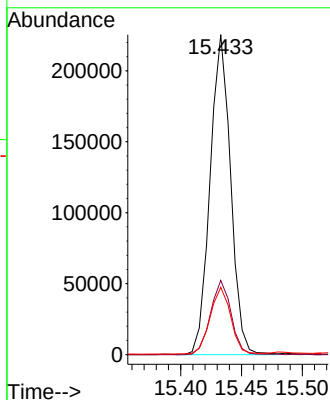
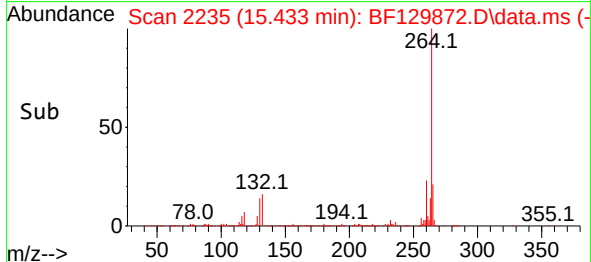
Instrument :  
BNA\_F  
ClientSampleId :  
SB18



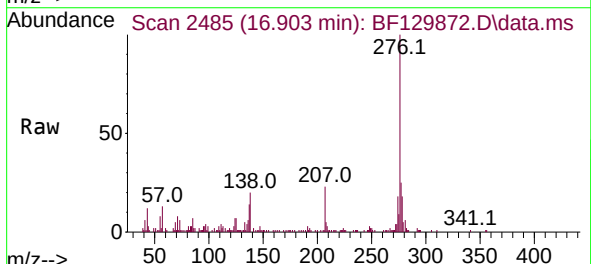
Tgt Ion:264 Resp: 265070  
Ion Ratio Lower Upper  
264 100  
260 23.2 19.1 28.7  
265 21.0 16.7 25.1

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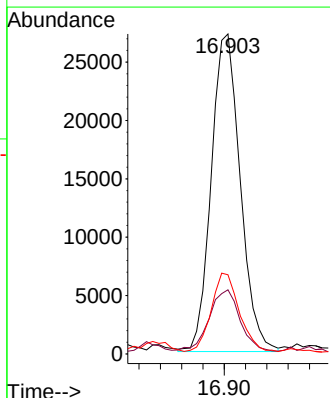
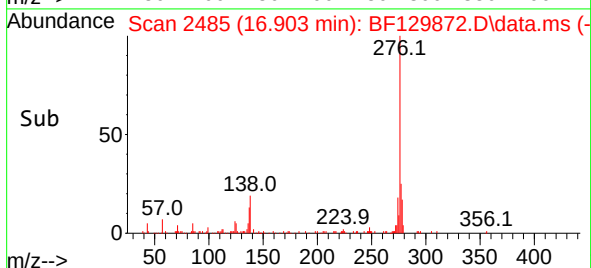
Reviewed By :Christian Giraldo 08/19/2022  
Supervised By :Jagrut Upadhyay 08/19/2022

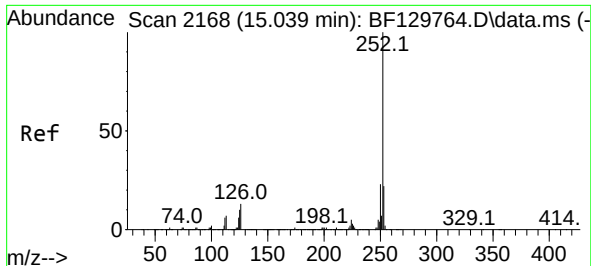


#87  
Indeno(1,2,3-cd)pyrene  
Concen: 2.833 ng  
RT: 16.903 min Scan# 2485  
Delta R.T. 0.000 min  
Lab File: BF129872.D  
Acq: 18 Aug 2022 13:07



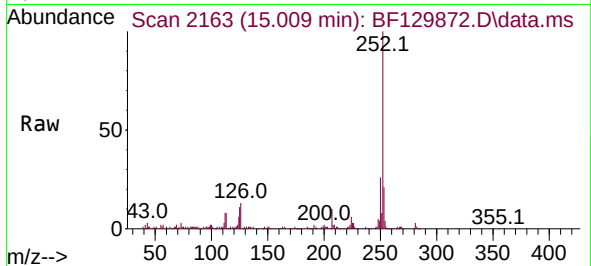
Tgt Ion:276 Resp: 51562  
Ion Ratio Lower Upper  
276 100  
138 20.6 19.8 29.8  
277 24.7 20.4 30.6





#88  
Benzo(b)fluoranthene  
Concen: 4.838 ng m  
RT: 15.009 min Scan# 2168  
Delta R.T. 0.006 min  
Lab File: BF129872.D  
Acq: 18 Aug 2022 13:07

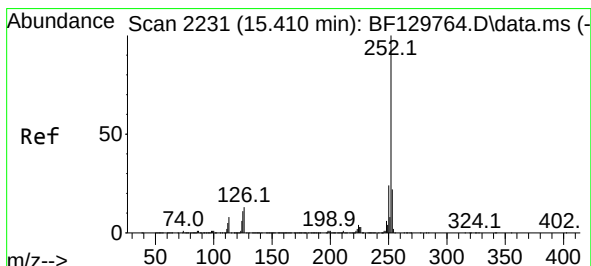
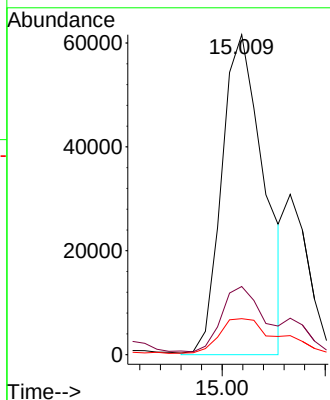
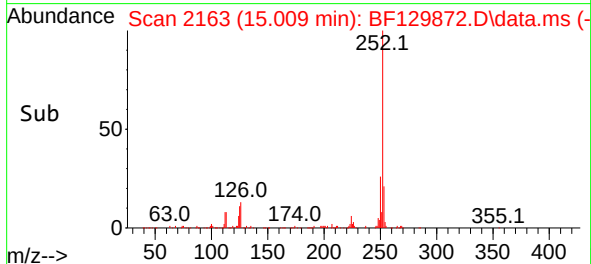
Instrument :  
BNA\_F  
ClientSampleId :  
SB18



Tgt Ion:252 Resp: 87814  
Ion Ratio Lower Upper  
252 100  
253 21.3 17.5 26.3  
125 11.2 8.3 12.5

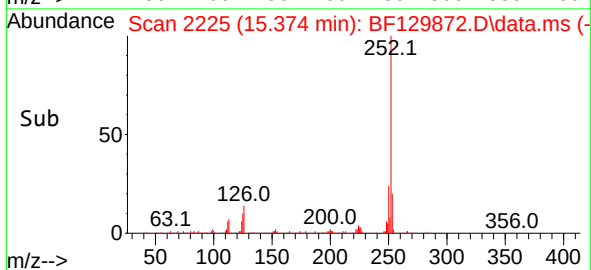
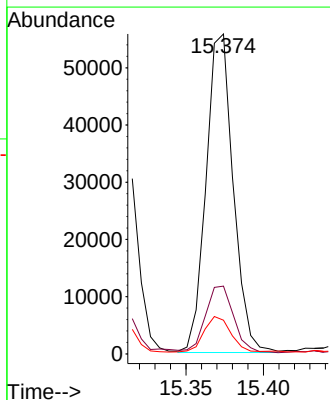
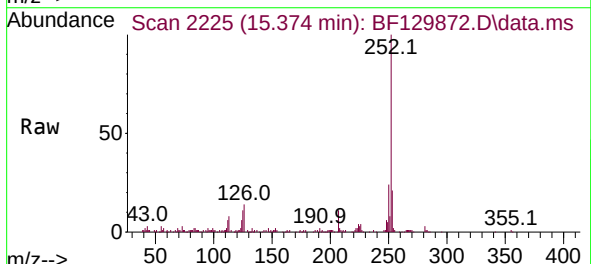
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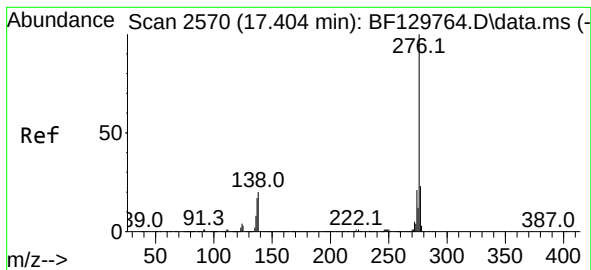
Reviewed By :Christian Giraldo 08/19/2022  
Supervised By :Jagrut Upadhyay 08/19/2022



#90  
Benzo(a)pyrene  
Concen: 4.777 ng  
RT: 15.374 min Scan# 2225  
Delta R.T. 0.006 min  
Lab File: BF129872.D  
Acq: 18 Aug 2022 13:07

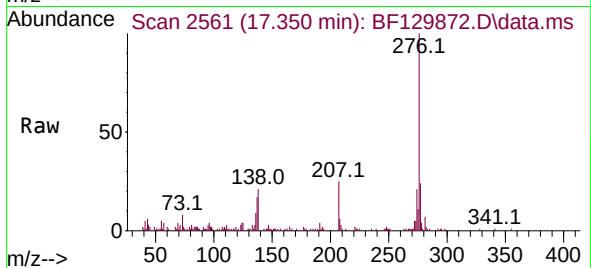
Tgt Ion:252 Resp: 68281  
Ion Ratio Lower Upper  
252 100  
253 21.2 17.2 25.8  
125 10.5 8.8 13.2





#92  
 Benzo(g,h,i)perylene  
 Concen: 3.522 ng  
 RT: 17.350 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: BF129872.D  
 Acq: 18 Aug 2022 13:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB18



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 52752 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 24.1  | 18.2  | 27.4  |
| 138       | 20.8  | 15.8  | 23.8  |

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 Supervised By :Jagrut Upadhyay 08/19/2022

