

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050522\  
 Data File : BF128104.D  
 Acq On : 05 May 2022 19:52  
 Operator : CG\JU  
 Sample : N2672-06  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 06

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 05/06/2022  
 Supervised By :mohammad ahmed 05/09/2022

Quant Time: May 06 05:02:19 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu May 05 17:56:23 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.904  | 152  | 83042    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.186  | 136  | 332049   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.945  | 164  | 195658   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.439 | 188  | 353721   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.080 | 240  | 198219   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12            | 15.580 | 264  | 186761   | 20.000  | ng    | -0.01    |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.534  | 112  | 536924   | 102.984 | ng    | 0.00     |
| 7) Phenol-d6                | 6.534  | 99   | 708678   | 104.756 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.469  | 82   | 511928   | 72.498  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.739 | 330  | 212773   | 108.027 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.263  | 172  | 833113   | 72.035  | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.027 | 244  | 835882   | 77.110  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 71) Phenanthrene            | 11.463 | 178  | 223294   | 12.060  | ng    | 100      |
| 72) Anthracene              | 11.510 | 178  | 58489    | 3.171   | ng    | 99       |
| 75) Fluoranthene            | 12.651 | 202  | 261083   | 13.398  | ng    | 97       |
| 78) Pyrene                  | 12.886 | 202  | 211024   | 13.188  | ng    | 98       |
| 81) Benzo(a)anthracene      | 14.068 | 228  | 72109    | 5.458   | ng    | 100      |
| 83) Chrysene                | 14.104 | 228  | 61981    | 4.912   | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene  | 17.098 | 276  | 38997    | 3.128   | ng    | # 93     |
| 88) Benzo(b)fluoranthene    | 15.133 | 252  | 74218m   | 6.327   | ng    |          |
| 90) Benzo(a)pyrene          | 15.515 | 252  | 54237    | 5.574   | ng    | 97       |
| 92) Benzo(g,h,i)perylene    | 17.562 | 276  | 40083    | 3.804   | ng    | 97       |
| -----                       |        |      |          |         |       |          |

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

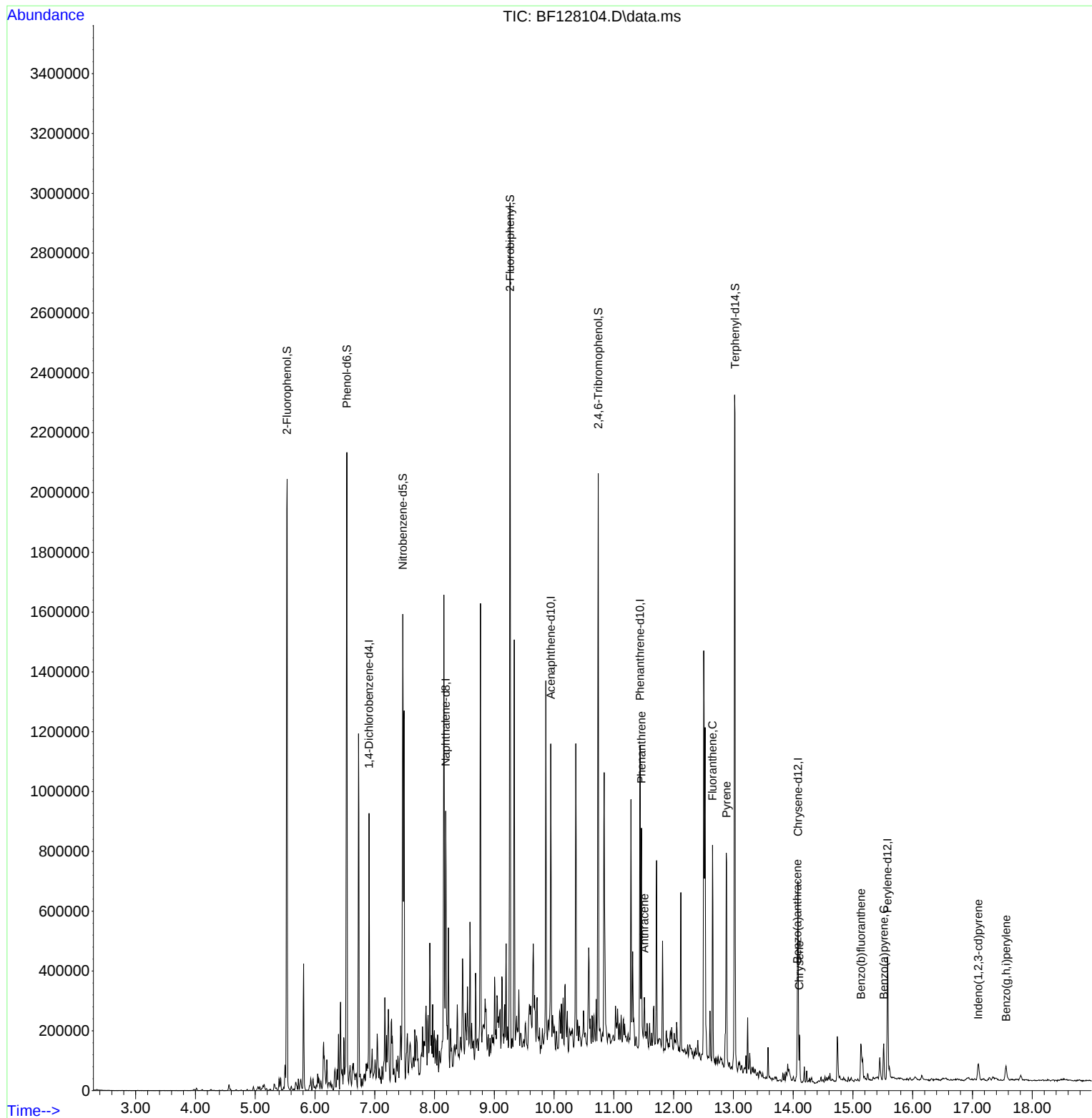
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050522\  
Data File : BF128104.D  
Acq On : 05 May 2022 19:52  
Operator : CG\JU  
Sample : N2672-06  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

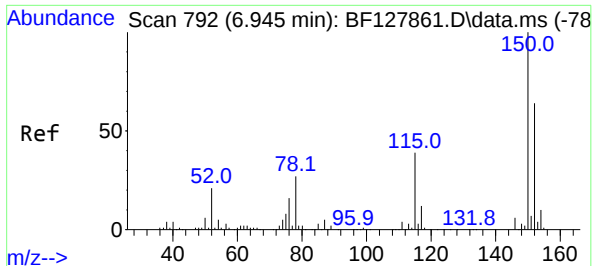
Instrument :  
BNA\_F  
ClientSampleId :  
06

Quant Time: May 06 05:02:19 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu May 05 17:56:23 2022  
Response via : Initial Calibration

Manual Integrations  
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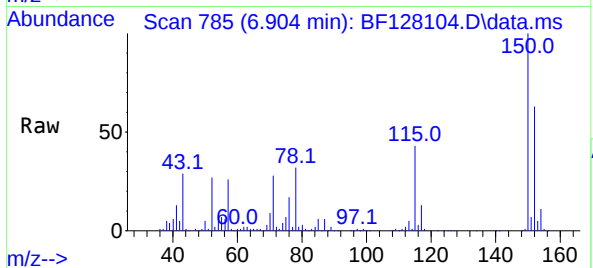
Reviewed By :Christian Giraldo 05/06/2022  
Supervised By :mohammad ahmed 05/09/2022





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.904 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF128104.D  
Acq: 05 May 2022 19:52

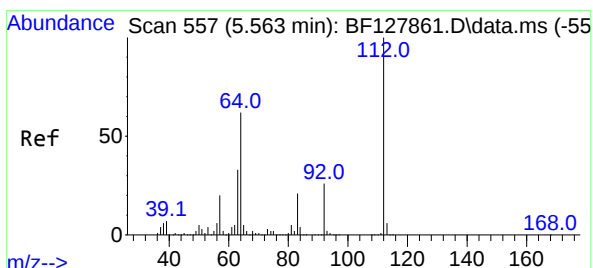
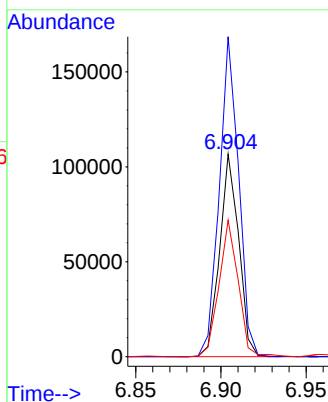
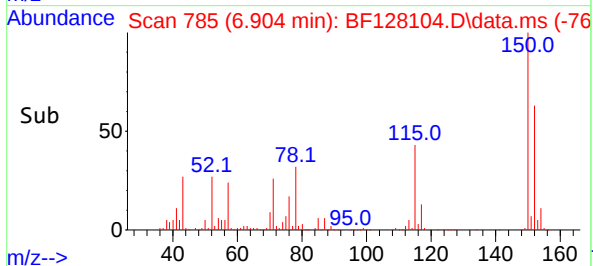
Instrument :  
BNA\_F  
ClientSampleId :  
06



Tgt Ion:152 Resp: 8304  
Ion Ratio Lower Upper  
152 100  
150 158.0 125.3 187.9  
115 67.4 48.8 73.2

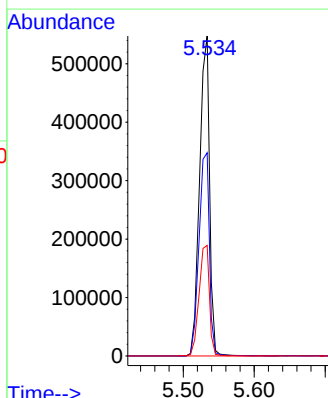
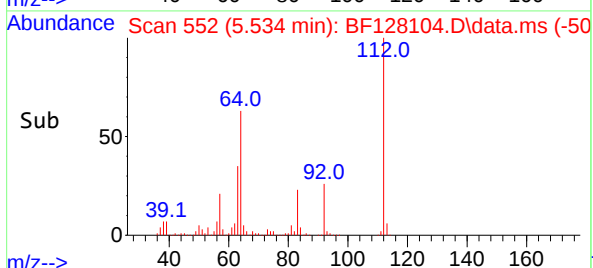
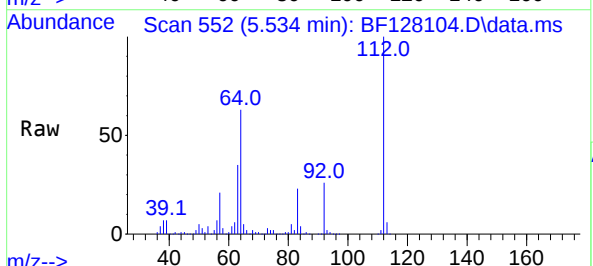
Manual Integrations  
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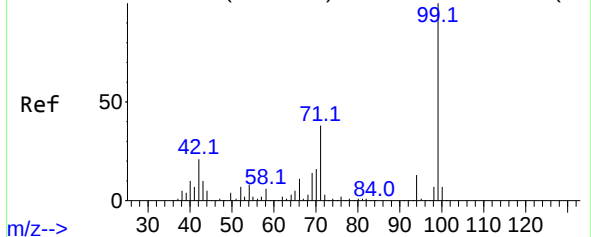


#5  
2-Fluorophenol  
Concen: 102.984 ng  
RT: 5.534 min Scan# 552  
Delta R.T. 0.000 min  
Lab File: BF128104.D  
Acq: 05 May 2022 19:52

Tgt Ion:112 Resp: 536924  
Ion Ratio Lower Upper  
112 100  
64 63.5 49.5 74.3  
63 34.5 26.3 39.5



Abundance Scan 728 (6.569 min): BF127861.D\data.ms (-72



#7

Phenol-d6

Concen: 104.756 ng

RT: 6.534 min Scan# 70

Delta R.T. -0.012 min

Lab File: BF128104.D

Acq: 05 May 2022 19:52

Instrument :

BNA\_F

ClientSampleId :

06

Tgt Ion: 99 Resp: 708678

Ion Ratio Lower Upper

99 100

42 21.8 16.6 24.8

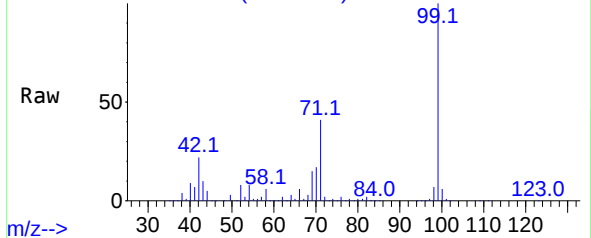
71 40.8 30.0 45.0

Manual Integrations

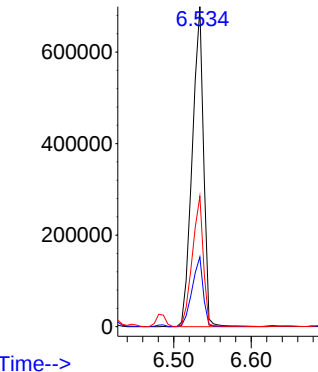
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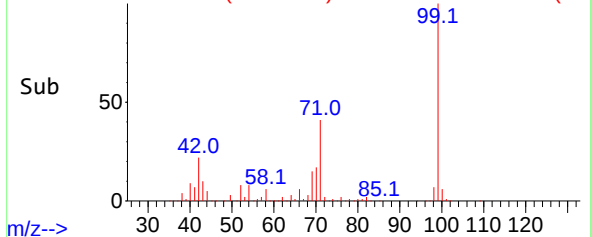
Abundance Scan 722 (6.534 min): BF128104.D\data.ms



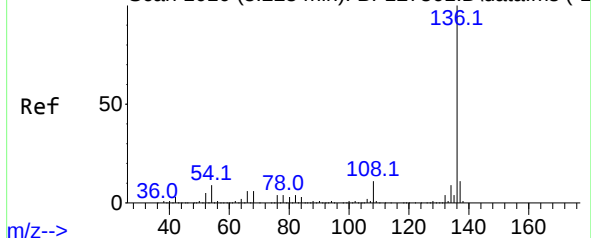
Abundance



Abundance Scan 722 (6.534 min): BF128104.D\data.ms (-67



Abundance Scan 1010 (8.228 min): BF127861.D\data.ms (-1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.186 min Scan# 1003

Delta R.T. -0.012 min

Lab File: BF128104.D

Acq: 05 May 2022 19:52

Tgt Ion:136 Resp: 332049

Ion Ratio Lower Upper

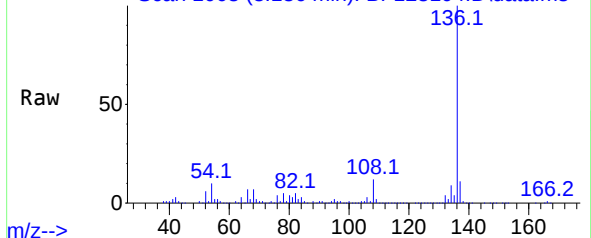
136 100

137 11.2 8.6 13.0

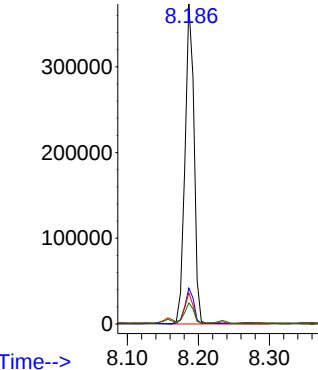
54 9.7 6.8 10.2

68 6.6 5.1 7.7

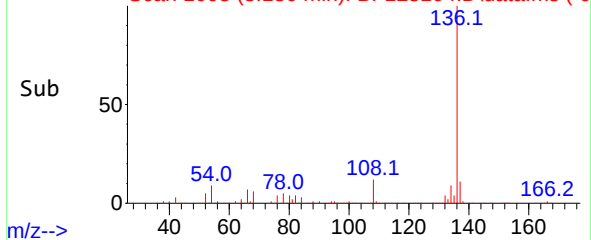
Abundance Scan 1003 (8.186 min): BF128104.D\data.ms

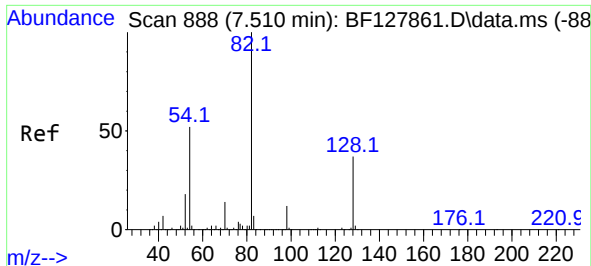


Abundance



Abundance Scan 1003 (8.186 min): BF128104.D\data.ms (-9





#23

Nitrobenzene-d5

Concen: 72.498 ng

RT: 7.469 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF128104.D

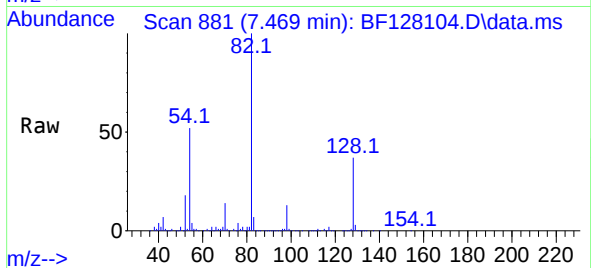
Acq: 05 May 2022 19:52

Instrument :

BNA\_F

ClientSampleId :

06



Tgt Ion: 82 Resp: 511928

Ion Ratio Lower Upper

82 100

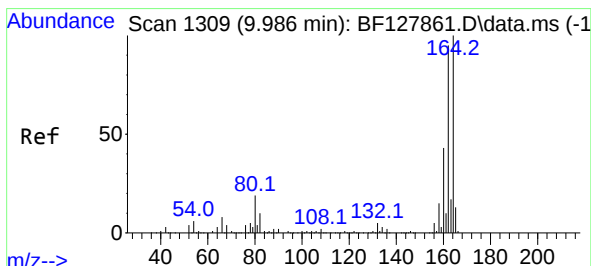
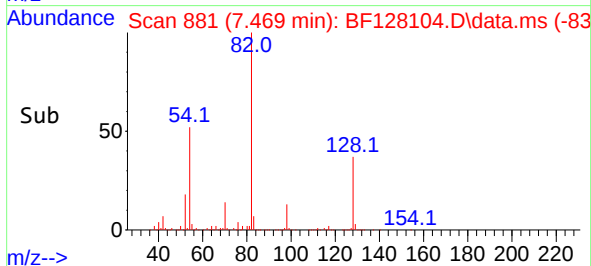
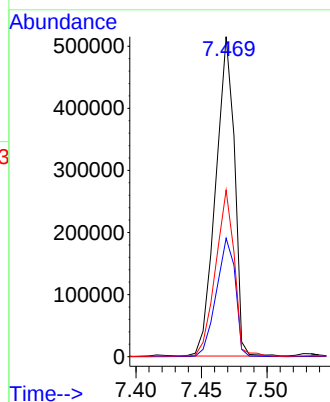
128 37.0 30.0 45.0

54 52.0 41.3 61.9

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Supervised By :mohammad ahmed 05/09/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.945 min Scan# 1302

Delta R.T. -0.006 min

Lab File: BF128104.D

Acq: 05 May 2022 19:52

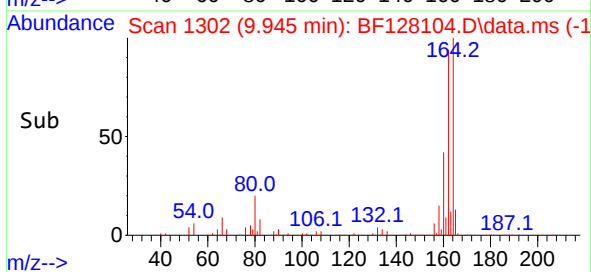
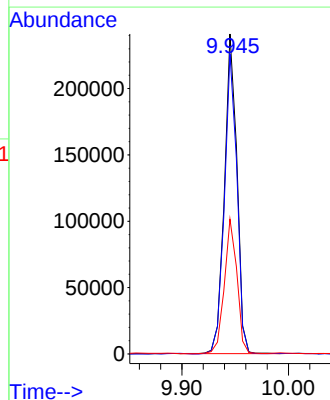
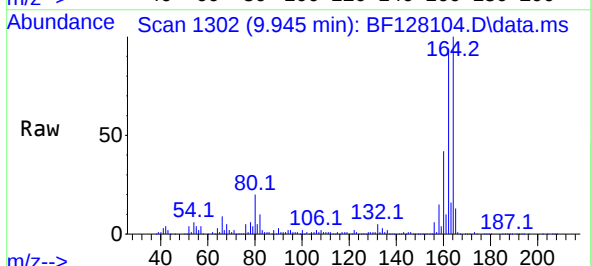
Tgt Ion:164 Resp: 195658

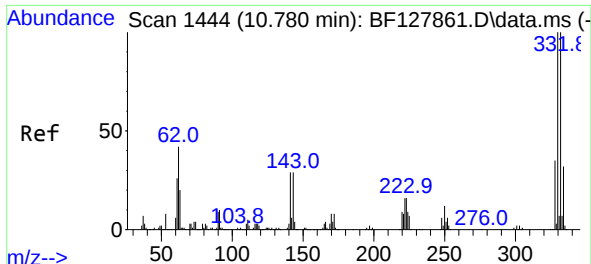
Ion Ratio Lower Upper

164 100

162 93.8 76.0 114.0

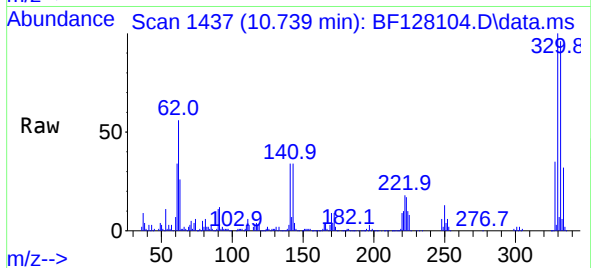
160 42.2 34.8 52.2





#42  
2,4,6-Tribromophenol  
Concen: 108.027 ng  
RT: 10.739 min Scan# 1444  
Delta R.T. -0.006 min  
Lab File: BF128104.D  
Acq: 05 May 2022 19:52

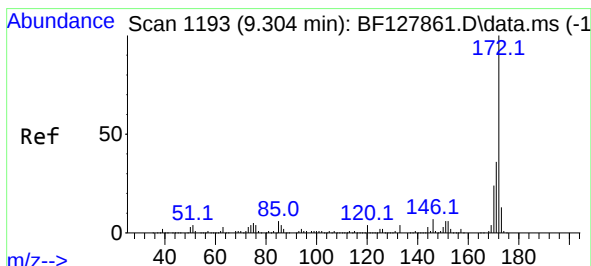
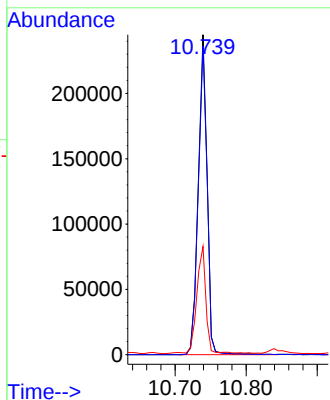
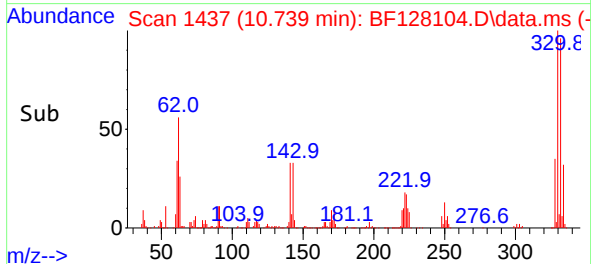
Instrument :  
BNA\_F  
ClientSampleId :  
06



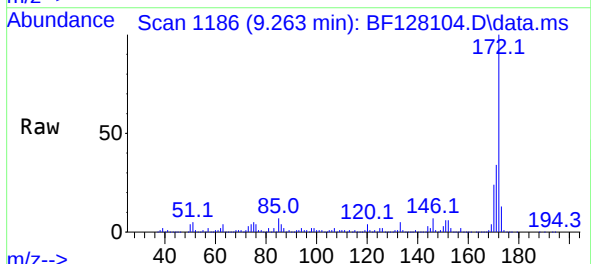
Tgt Ion:330 Resp: 21277  
Ion Ratio Lower Upper  
330 100  
332 96.8 79.0 118.4  
141 34.8 28.9 43.3

Manual Integrations  
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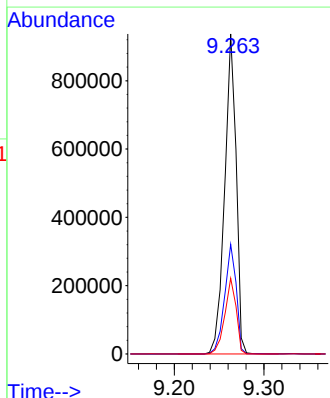
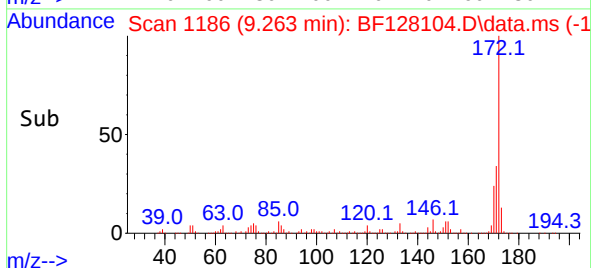
Reviewed By :Christian Giraldo 05/06/2022  
Supervised By :mohammad ahmed 05/09/2022

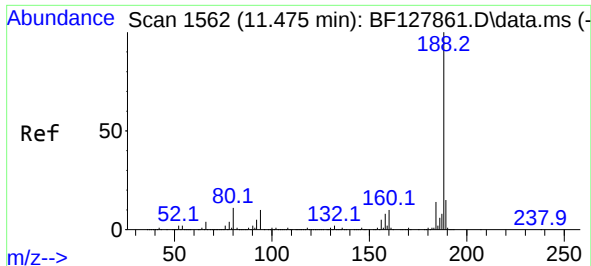


#45  
2-Fluorobiphenyl  
Concen: 72.035 ng  
RT: 9.263 min Scan# 1186  
Delta R.T. -0.006 min  
Lab File: BF128104.D  
Acq: 05 May 2022 19:52



Tgt Ion:172 Resp: 833113  
Ion Ratio Lower Upper  
172 100  
171 34.2 28.6 42.8  
170 23.6 19.1 28.7





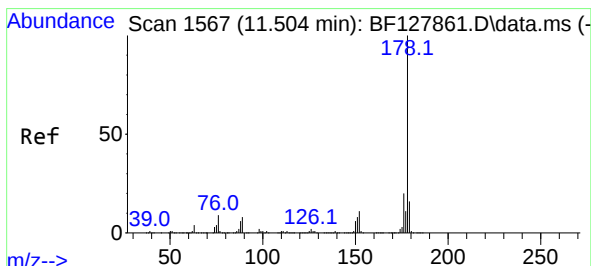
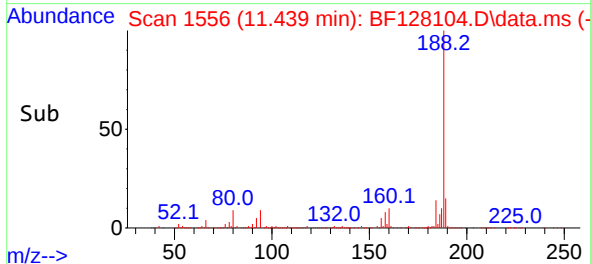
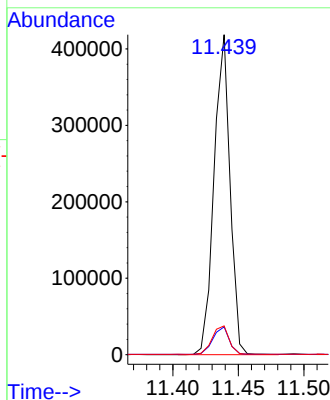
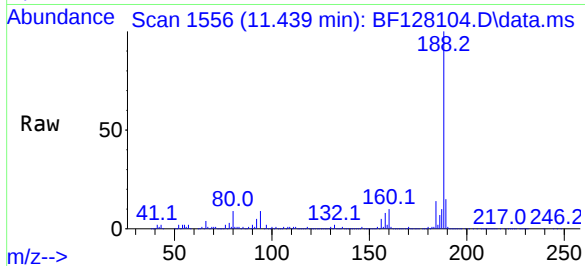
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.439 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF128104.D  
Acq: 05 May 2022 19:52

Instrument :  
BNA\_F  
ClientSampleId :  
06

Tgt Ion:188 Resp: 35372  
Ion Ratio Lower Upper  
188 100  
94 8.7 8.0 12.0  
80 9.0 8.9 13.3

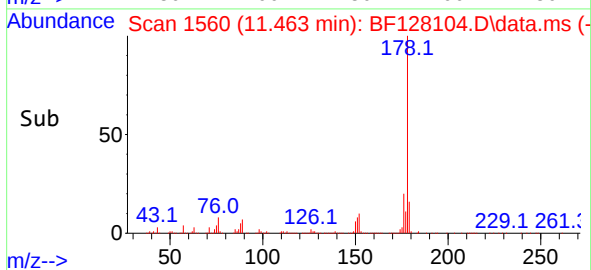
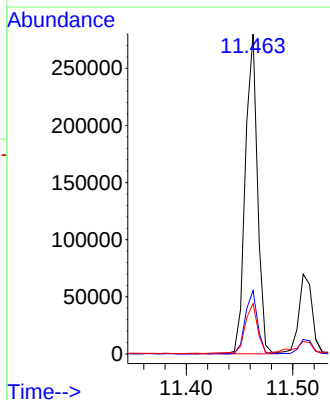
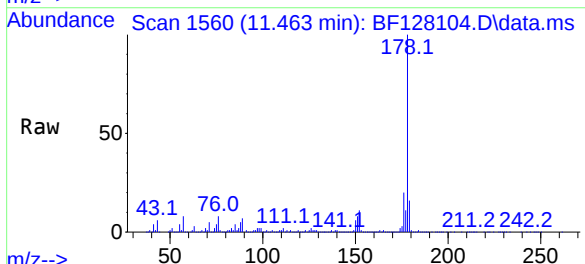
Manual Integrations  
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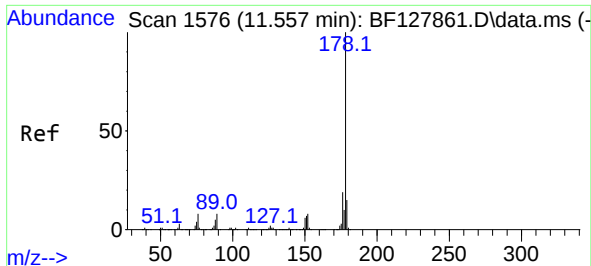
Reviewed By :Christian Giraldo 05/06/2022  
Supervised By :mohammad ahmed 05/09/2022



#71  
Phenanthrene  
Concen: 12.060 ng  
RT: 11.463 min Scan# 1560  
Delta R.T. -0.012 min  
Lab File: BF128104.D  
Acq: 05 May 2022 19:52

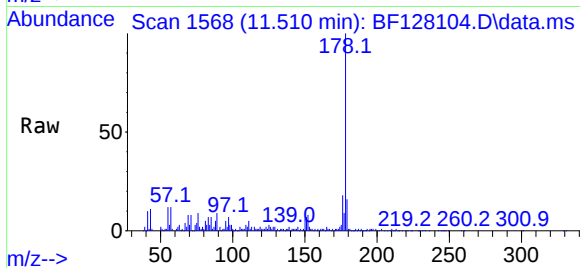
Tgt Ion:178 Resp: 223294  
Ion Ratio Lower Upper  
178 100  
176 19.8 15.7 23.5  
179 15.8 12.6 19.0





#72  
 Anthracene  
 Concen: 3.171 ng  
 RT: 11.510 min Scan# 1150  
 Delta R.T. -0.012 min  
 Lab File: BF128104.D  
 Acq: 05 May 2022 19:52

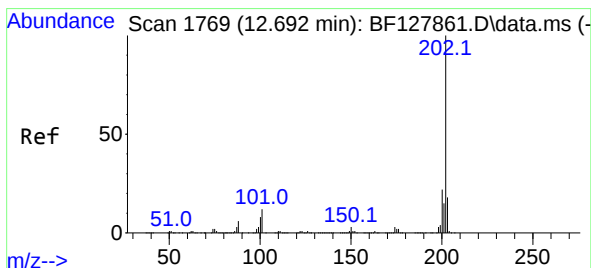
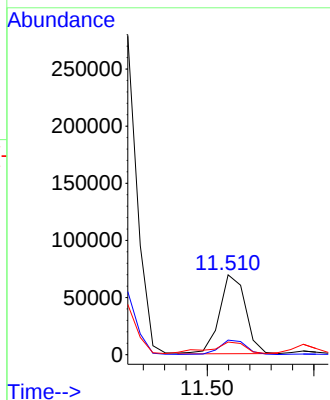
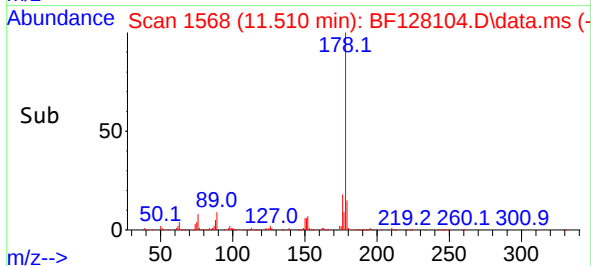
Instrument :  
 BNA\_F  
 ClientSampleId :  
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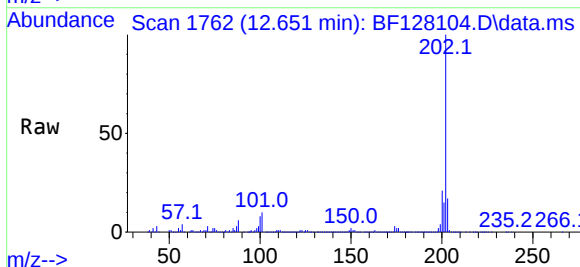
Tgt Ion:178 Resp: 58489  
 Ion Ratio Lower Upper  
 178 100  
 176 18.3 15.0 22.6  
 179 15.8 12.4 18.6

Manual Integrations  
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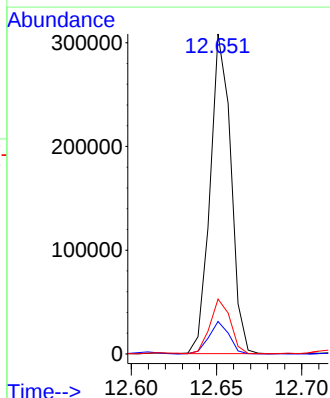
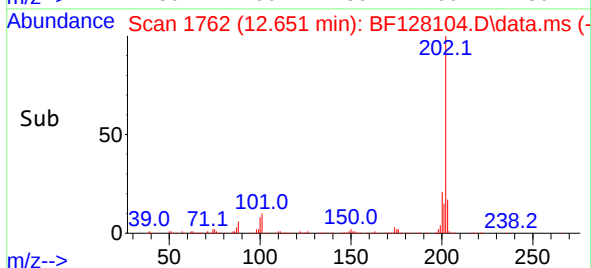
Reviewed By :Christian Giraldo 05/06/2022  
 Supervised By :mohammad ahmed 05/09/2022

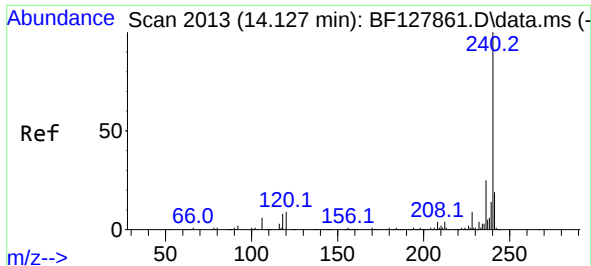


#75  
 Fluoranthene  
 Concen: 13.398 ng  
 RT: 12.651 min Scan# 1762  
 Delta R.T. -0.012 min  
 Lab File: BF128104.D  
 Acq: 05 May 2022 19:52



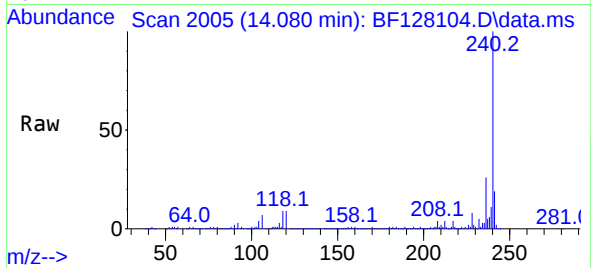
Tgt Ion:202 Resp: 261083  
 Ion Ratio Lower Upper  
 202 100  
 101 10.1 0.0 31.6  
 203 17.2 0.0 38.1





#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.080 min Scan# 2013  
Delta R.T. -0.012 min  
Lab File: BF128104.D  
Acq: 05 May 2022 19:52

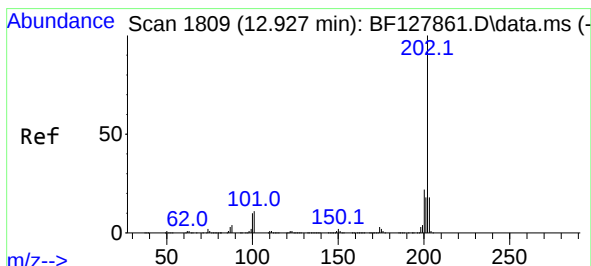
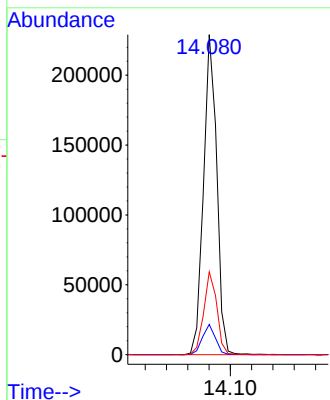
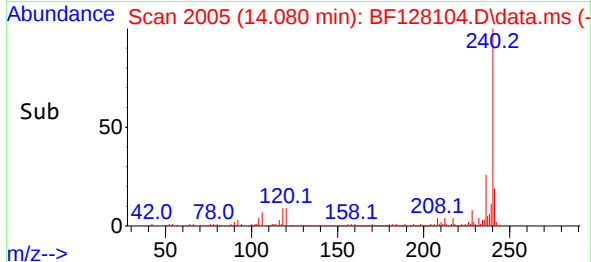
Instrument :  
BNA\_F  
ClientSampleId :  
06



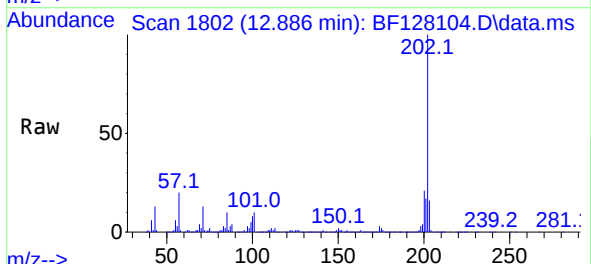
Tgt Ion:240 Resp: 198219  
Ion Ratio Lower Upper  
240 100  
120 9.4 7.0 10.6  
236 25.9 20.3 30.5

Manual Integrations  
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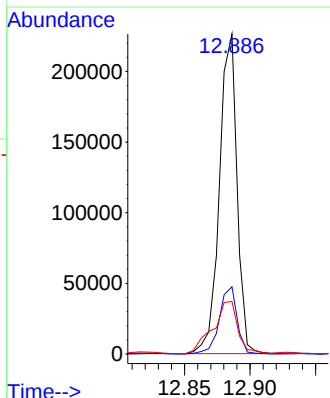
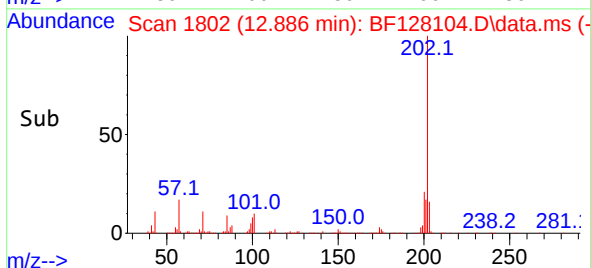
Reviewed By :Christian Giraldo 05/06/2022  
Supervised By :mohammad ahmed 05/09/2022

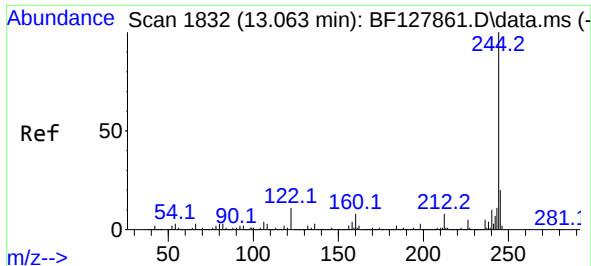


#78  
Pyrene  
Concen: 13.188 ng  
RT: 12.886 min Scan# 1802  
Delta R.T. -0.006 min  
Lab File: BF128104.D  
Acq: 05 May 2022 19:52



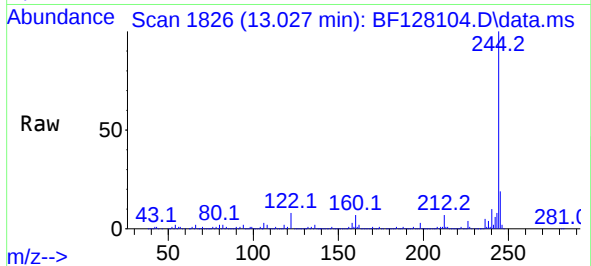
Tgt Ion:202 Resp: 211024  
Ion Ratio Lower Upper  
202 100  
200 21.0 17.4 26.2  
203 16.4 14.0 21.0





#79  
 Terphenyl-d14  
 Concen: 77.110 ng  
 RT: 13.027 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF128104.D  
 Acq: 05 May 2022 19:52

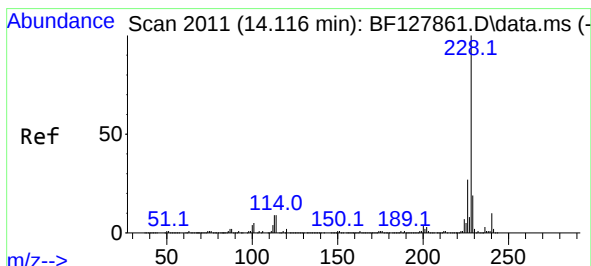
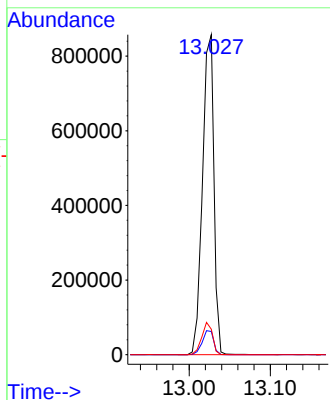
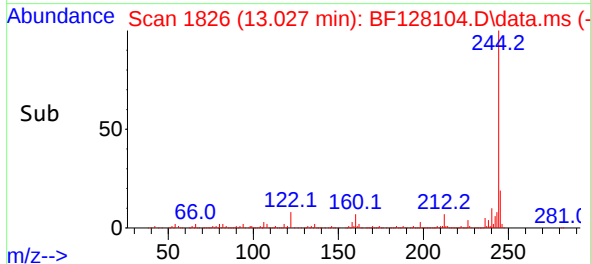
Instrument :  
 BNA\_F  
 ClientSampleId :  
 06



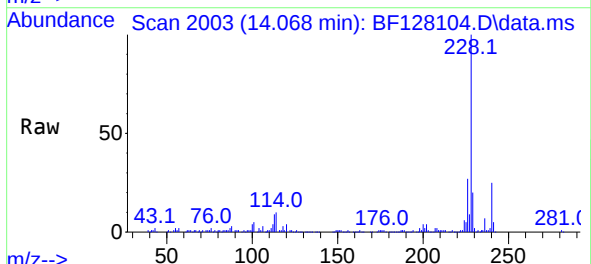
Tgt Ion:244 Resp: 83588  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.2 9.4  
 122 7.9 8.6 12.8

Manual Integrations  
 APPROVED

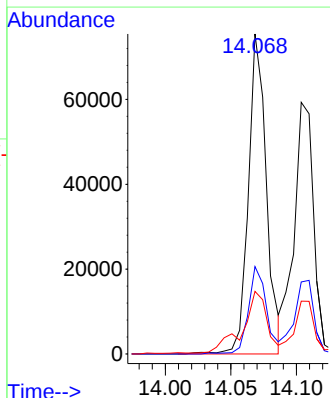
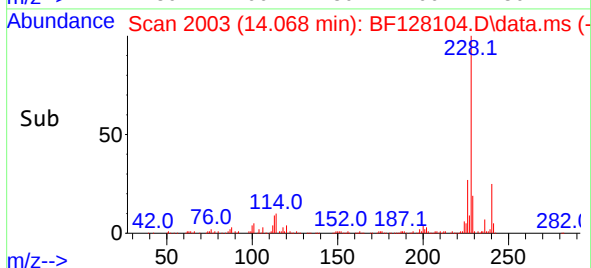
Reviewed By :Christian Giraldo 05/06/2022  
 Supervised By :mohammad ahmed 05/09/2022

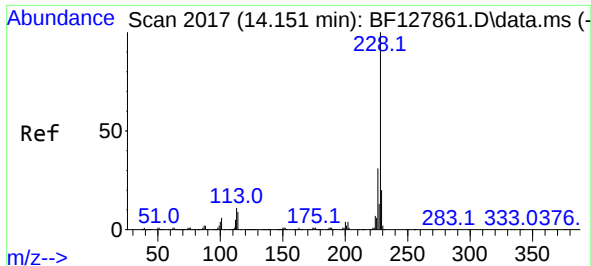


#81  
 Benzo(a)anthracene  
 Concen: 5.458 ng  
 RT: 14.068 min Scan# 2003  
 Delta R.T. -0.012 min  
 Lab File: BF128104.D  
 Acq: 05 May 2022 19:52



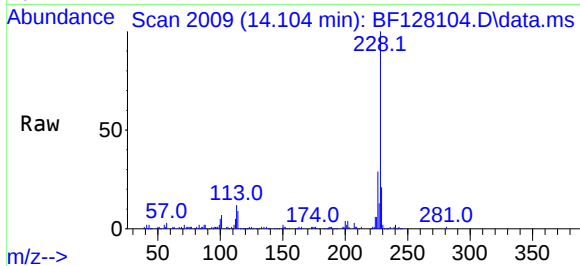
Tgt Ion:228 Resp: 72109  
 Ion Ratio Lower Upper  
 228 100  
 226 27.3 21.7 32.5  
 229 19.6 15.4 23.2





#83  
Chrysene  
Concen: 4.912 ng  
RT: 14.104 min Scan# 2017  
Delta R.T. -0.018 min  
Lab File: BF128104.D  
Acq: 05 May 2022 19:52

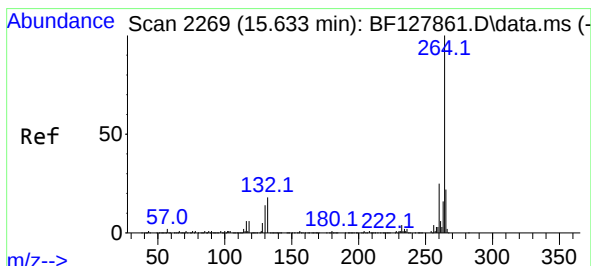
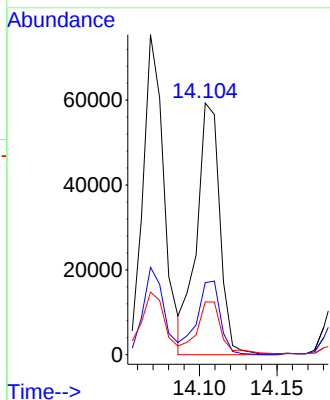
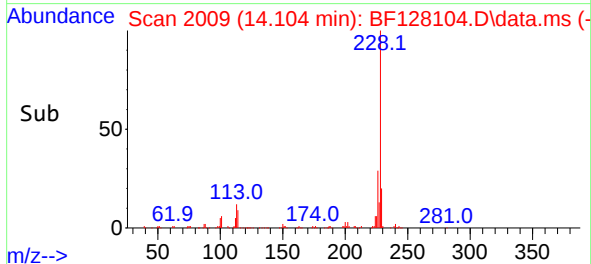
Instrument :  
BNA\_F  
ClientSampleId :  
06



Tgt Ion: 228 Resp: 6198  
Ion Ratio Lower Upper  
228 100  
226 28.6 24.4 36.6  
229 21.0 15.8 23.8

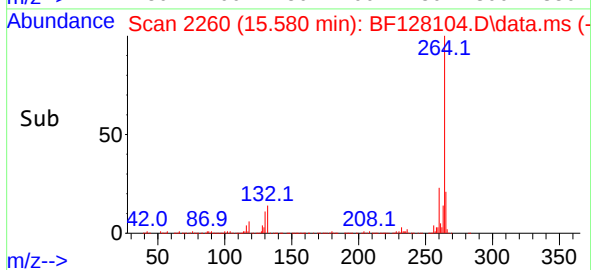
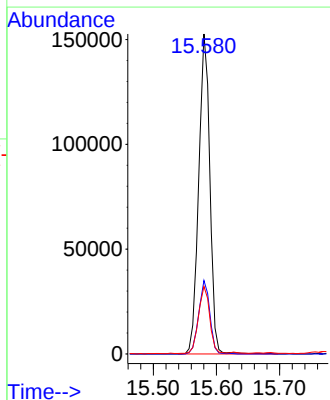
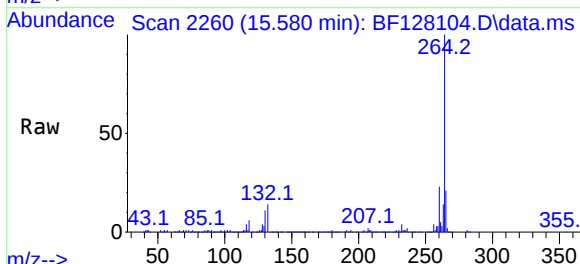
Manual Integrations  
APPROVED

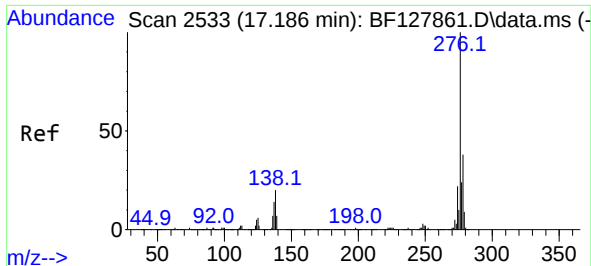
Reviewed By : Christian Giraldo 05/06/2022  
Supervised By : mohammad ahmed 05/09/2022



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.580 min Scan# 2260  
Delta R.T. -0.012 min  
Lab File: BF128104.D  
Acq: 05 May 2022 19:52

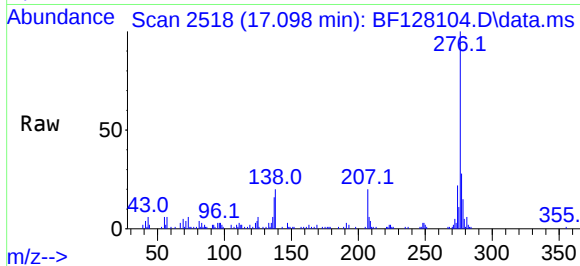
Tgt Ion: 264 Resp: 186761  
Ion Ratio Lower Upper  
264 100  
260 23.0 20.1 30.1  
265 21.1 17.5 26.3





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 3.128 ng  
RT: 17.098 min Scan# 2184  
Delta R.T. -0.029 min  
Lab File: BF128104.D  
Acq: 05 May 2022 19:52

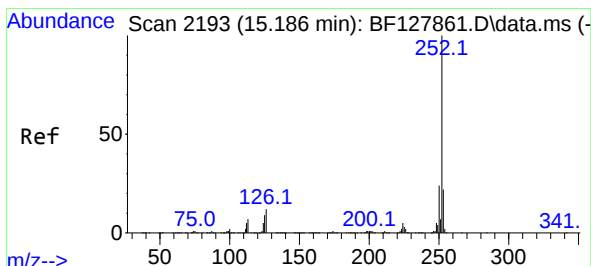
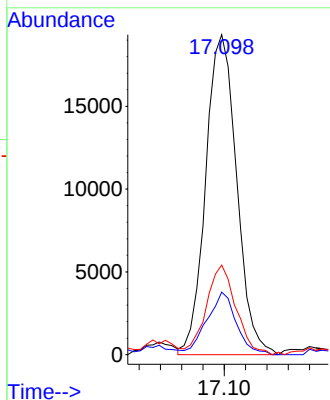
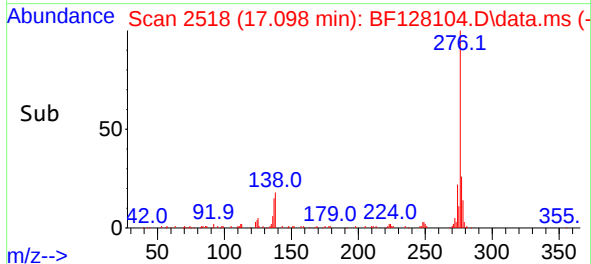
Instrument :  
BNA\_F  
ClientSampleId :  
06



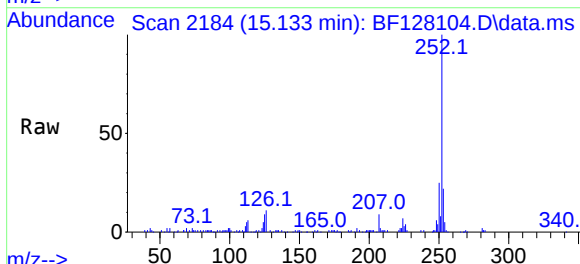
Tgt Ion:276 Resp: 3899  
Ion Ratio Lower Upper  
276 100  
138 18.5 19.0 28.4  
277 26.9 20.1 30.1

Manual Integrations  
APPROVED

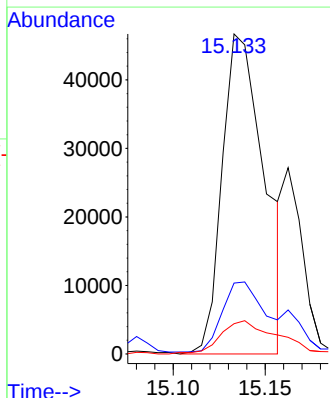
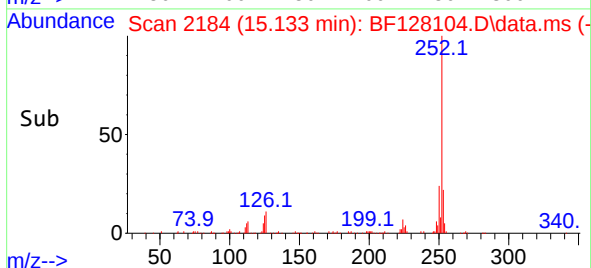
Reviewed By :Christian Giraldo 05/06/2022  
Supervised By :mohammad ahmed 05/09/2022

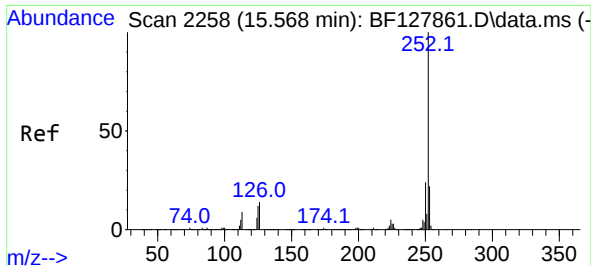


#88  
Benzo(b)fluoranthene  
Concen: 6.327 ng m  
RT: 15.133 min Scan# 2184  
Delta R.T. -0.018 min  
Lab File: BF128104.D  
Acq: 05 May 2022 19:52



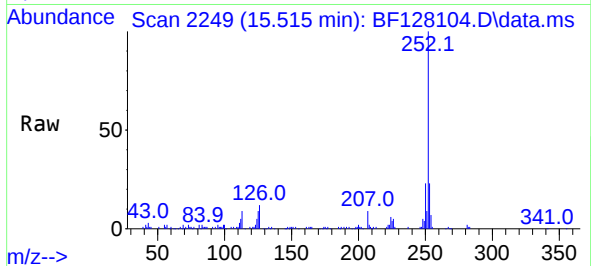
Tgt Ion:252 Resp: 74218  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.4 26.2  
125 9.5 7.4 11.2





#90  
Benzo(a)pyrene  
Concen: 5.574 ng  
RT: 15.515 min Scan# 21  
Delta R.T. -0.018 min  
Lab File: BF128104.D  
Acq: 05 May 2022 19:52

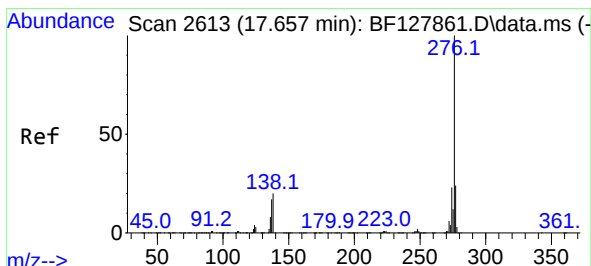
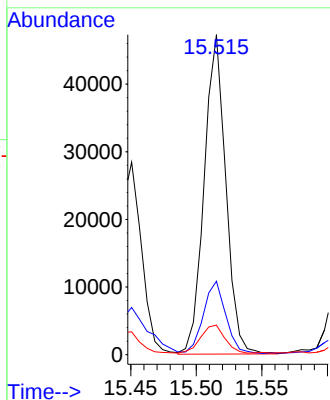
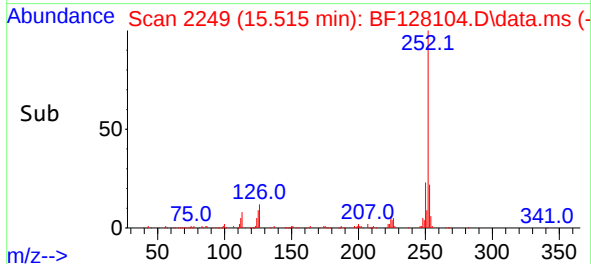
Instrument :  
BNA\_F  
ClientSampleId :  
06



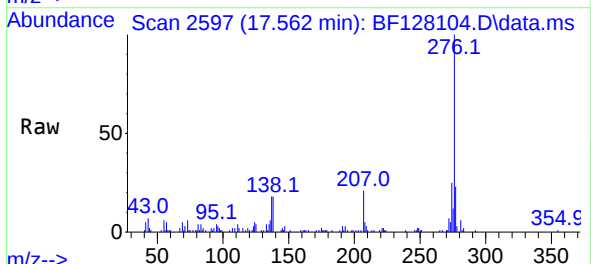
Tgt Ion:252 Resp: 5423  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.8 26.6  
125 9.3 9.2 13.8

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 05/06/2022  
Supervised By :mohammad ahmed 05/09/2022



#92  
Benzo(g,h,i)perylene  
Concen: 3.804 ng  
RT: 17.562 min Scan# 2597  
Delta R.T. -0.035 min  
Lab File: BF128104.D  
Acq: 05 May 2022 19:52



Tgt Ion:276 Resp: 40083  
Ion Ratio Lower Upper  
276 100  
277 22.8 18.8 28.2  
138 17.6 16.2 24.2

