

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF041822\  
 Data File : BF127832.D  
 Acq On : 18 Apr 2022 18:29  
 Operator : CG\JU  
 Sample : N2444-03  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 04/19/2022  
 Supervised By : Jagrut Upadhyay 04/19/2022

Quant Time: Apr 19 05:16:10 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF040622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 13 16:40:15 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.951  | 152  | 143703   | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.234  | 136  | 505757   | 20.000 | ng    | #-0.01   |
| 39) Acenaphthene-d10        | 9.992  | 164  | 266981   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.486 | 188  | 409119   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.133 | 240  | 311828   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12            | 15.651 | 264  | 274766   | 20.000 | ng    | -0.01    |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.575  | 112  | 774336   | 87.557 | ng    | 0.00     |
| 7) Phenol-d6                | 6.575  | 99   | 982026   | 84.880 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.510  | 82   | 695062   | 61.268 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.780 | 330  | 243052   | 85.549 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.310  | 172  | 1160472  | 61.491 | ng    | -0.01    |
| 79) Terphenyl-d14           | 13.069 | 244  | 905655   | 47.939 | ng    | -0.01    |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 11.510 | 178  | 281897   | 13.005 | ng    | 99       |
| 72) Anthracene              | 11.557 | 178  | 55878    | 2.606  | ng    | 98       |
| 75) Fluoranthene            | 12.698 | 202  | 435106   | 18.395 | ng    | 98       |
| 78) Pyrene                  | 12.933 | 202  | 387546   | 14.718 | ng    | 99       |
| 81) Benzo(a)anthracene      | 14.121 | 228  | 225781   | 10.841 | ng    | 98       |
| 83) Chrysene                | 14.157 | 228  | 209906m  | 10.500 | ng    |          |
| 87) Indeno(1,2,3-cd)pyrene  | 17.198 | 276  | 78409    | 4.567  | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 15.198 | 252  | 229499m  | 12.984 | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.227 | 252  | 78597m   | 4.483  | ng    |          |
| 90) Benzo(a)pyrene          | 15.580 | 252  | 156915   | 10.922 | ng    | 97       |
| 92) Benzo(g,h,i)perylene    | 17.674 | 276  | 81625    | 5.724  | ng    | 97       |
| -----                       |        |      |          |        |       |          |

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

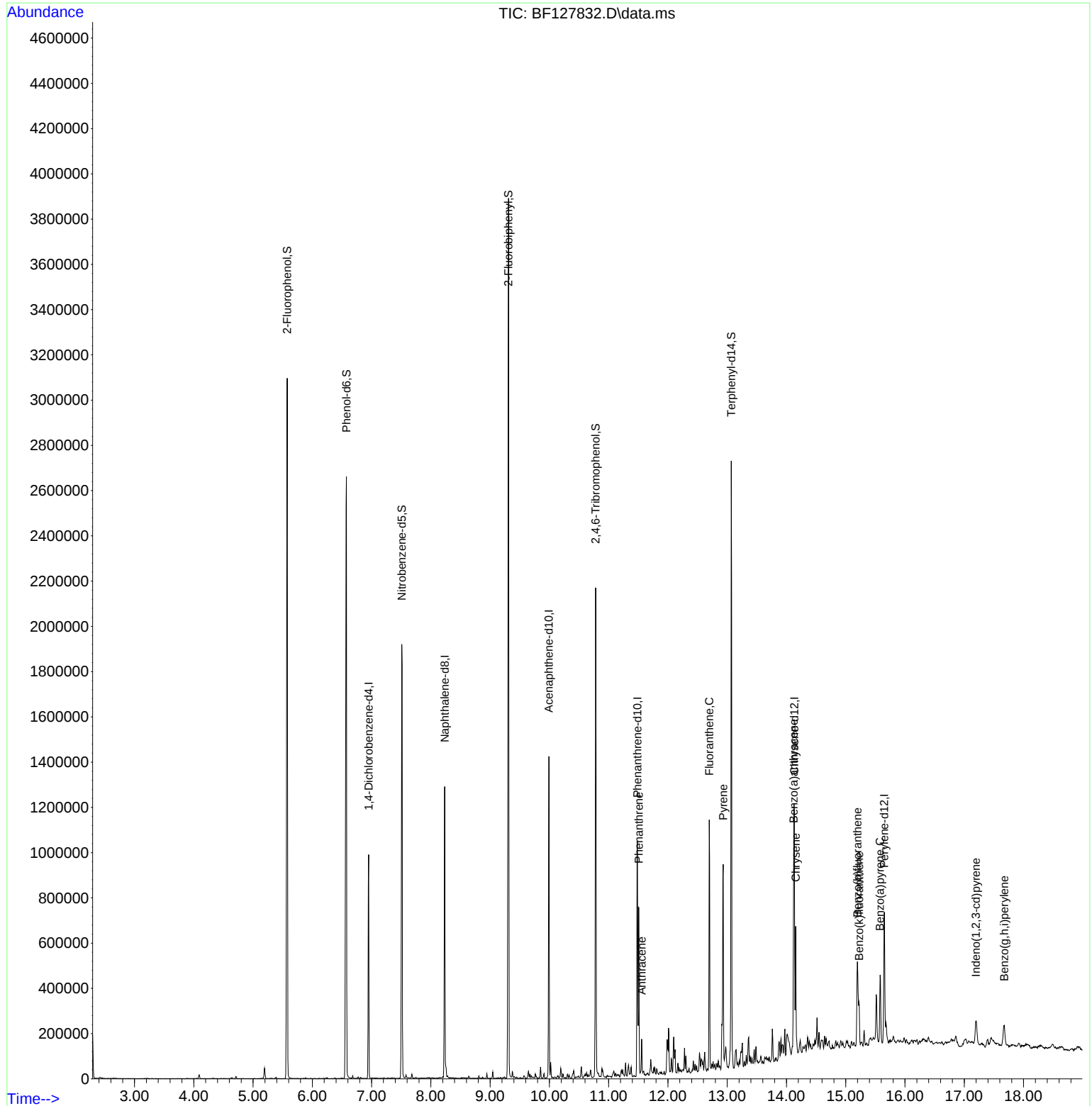
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF041822\  
Data File : BF127832.D  
Acq On : 18 Apr 2022 18:29  
Operator : CG\JU  
Sample : N2444-03  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

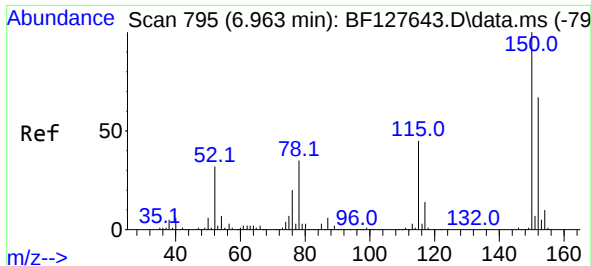
Instrument :  
BNA\_F  
ClientSampleId :  
SB-3

Quant Time: Apr 19 05:16:10 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF040622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Apr 13 16:40:15 2022  
Response via : Initial Calibration

Manual Integrations  
APPROVED

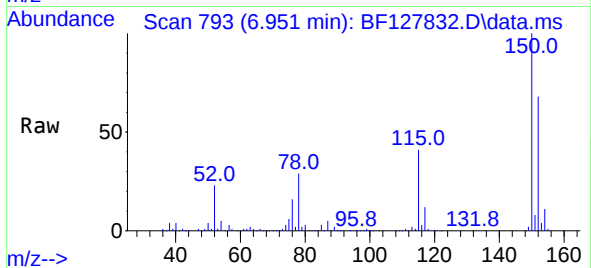
Reviewed By :Christian Giraldo 04/19/2022  
Supervised By :Jagrut Upadhyay 04/19/2022





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.951 min Scan# 795  
Delta R.T. -0.012 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29

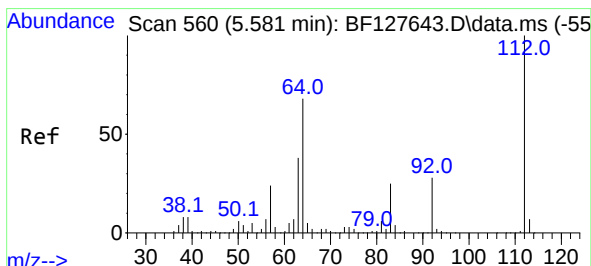
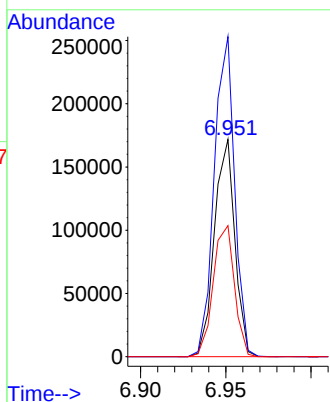
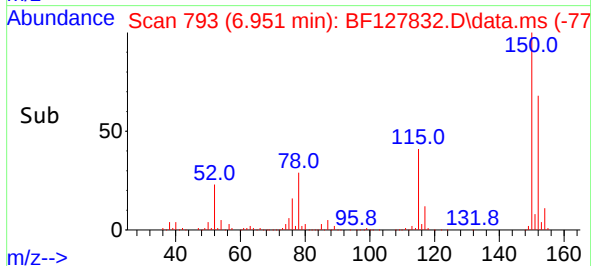
Instrument :  
BNA\_F  
ClientSampleId :  
SB-3



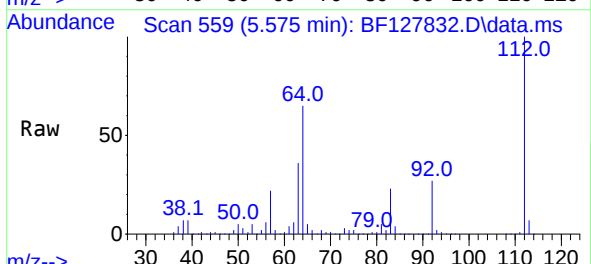
Tgt Ion:152 Resp: 14370  
Ion Ratio Lower Upper  
152 100  
150 147.3 117.2 175.8  
115 60.3 49.8 74.6

Manual Integrations  
APPROVED

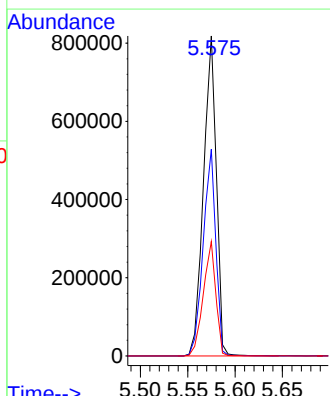
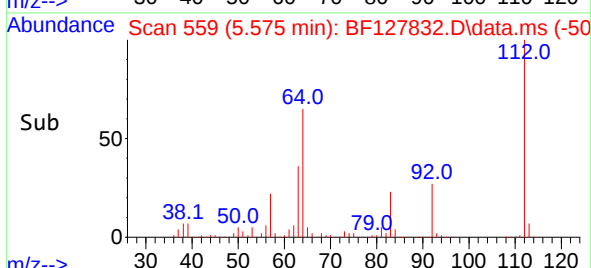
Reviewed By :Christian Giraldo 04/19/2022  
Supervised By :Jagrut Upadhyay 04/19/2022



#5  
2-Fluorophenol  
Concen: 87.557 ng  
RT: 5.575 min Scan# 559  
Delta R.T. -0.006 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29



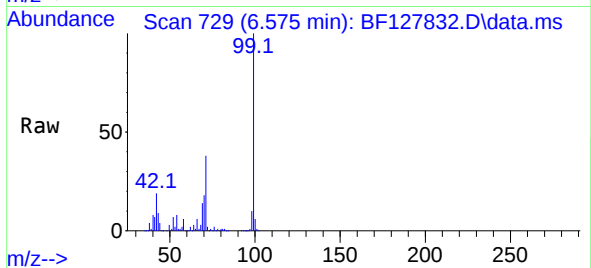
Tgt Ion:112 Resp: 774336  
Ion Ratio Lower Upper  
112 100  
64 64.6 58.4 87.6  
63 35.7 30.1 45.1





#7  
Phenol-d6  
Concen: 84.880 ng  
RT: 6.575 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29

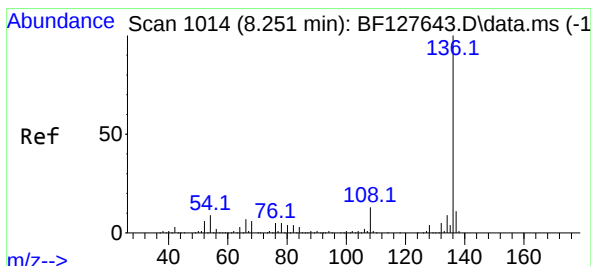
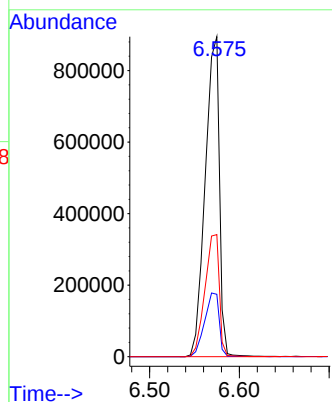
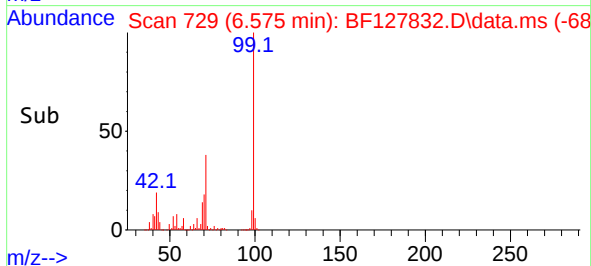
Instrument :  
BNA\_F  
ClientSampleId :  
SB-3



Tgt Ion: 99 Resp: 982020  
Ion Ratio Lower Upper  
99 100  
42 19.5 17.8 26.6  
71 38.2 29.6 44.4

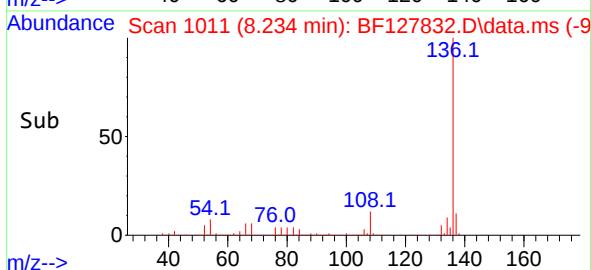
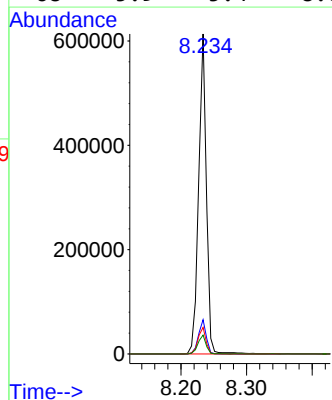
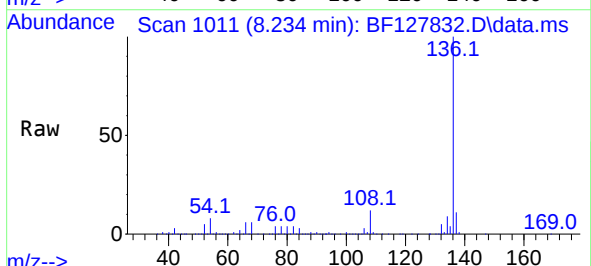
Manual Integrations  
APPROVED

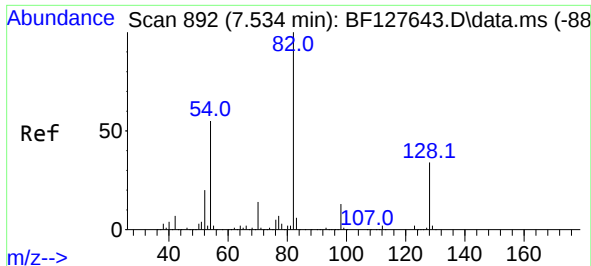
Reviewed By :Christian Giraldo 04/19/2022  
Supervised By :Jagrut Upadhyay 04/19/2022



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.234 min Scan# 1011  
Delta R.T. -0.012 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29

Tgt Ion:136 Resp: 505757  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 13.0  
54 8.3 9.2 13.8#  
68 5.9 5.4 8.0





#23

Nitrobenzene-d5

Concen: 61.268 ng

RT: 7.510 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF127832.D

Acq: 18 Apr 2022 18:29

Instrument :

BNA\_F

ClientSampleId :

SB-3

Tgt Ion: 82 Resp: 695062

Ion Ratio Lower Upper

82 100

128 37.4 30.6 45.8

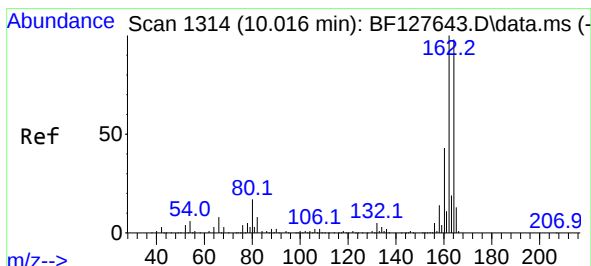
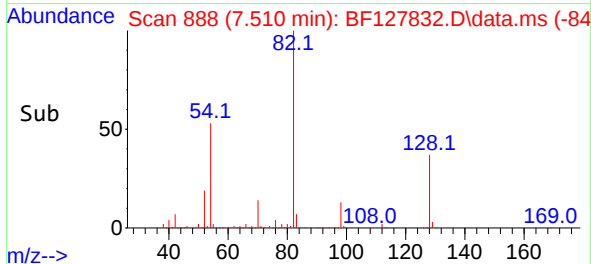
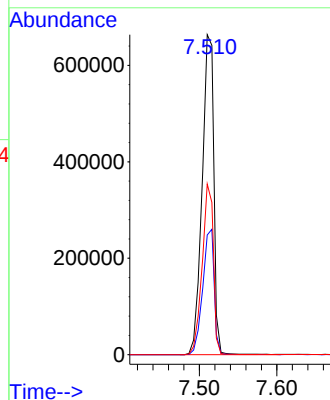
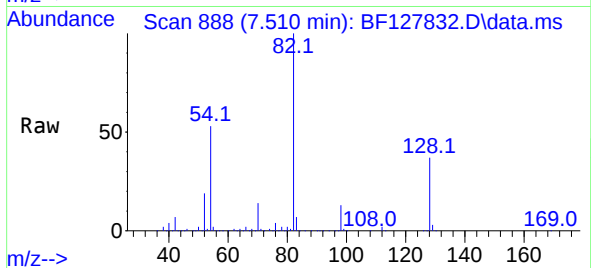
54 53.4 48.2 72.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/19/2022

Supervised By :Jagrut Upadhyay 04/19/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.992 min Scan# 1310

Delta R.T. -0.012 min

Lab File: BF127832.D

Acq: 18 Apr 2022 18:29

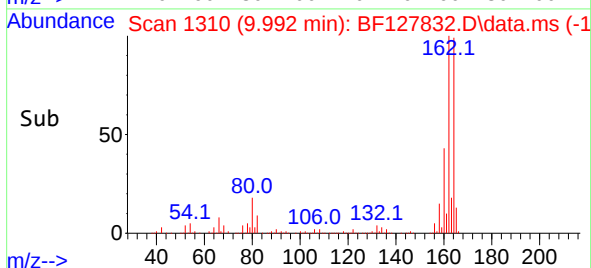
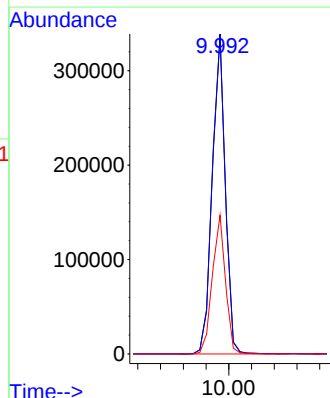
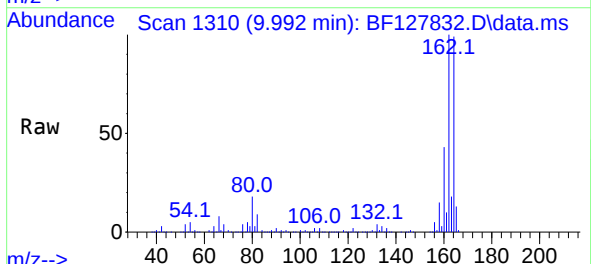
Tgt Ion:164 Resp: 266981

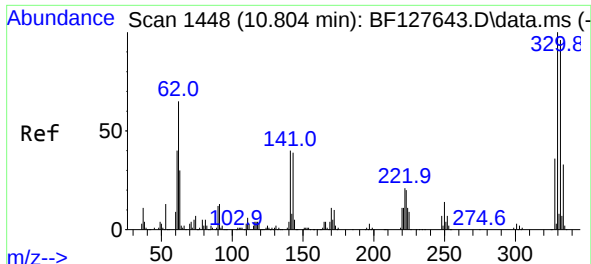
Ion Ratio Lower Upper

164 100

162 100.7 81.2 121.8

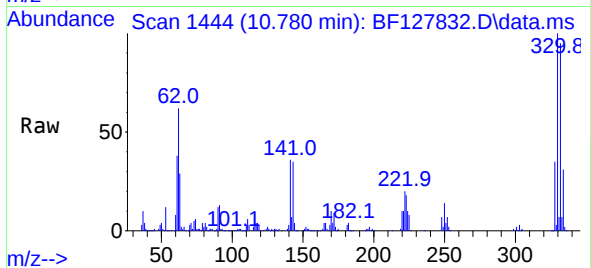
160 43.6 34.6 52.0





#42  
2,4,6-Tribromophenol  
Concen: 85.549 ng  
RT: 10.780 min Scan# 1448  
Delta R.T. -0.018 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29

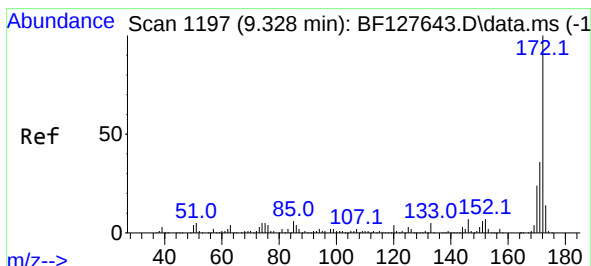
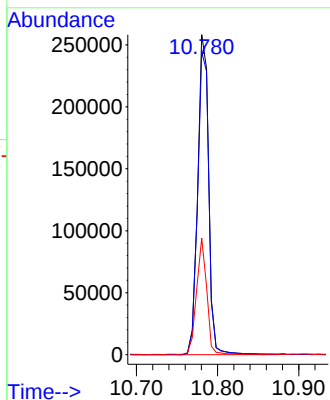
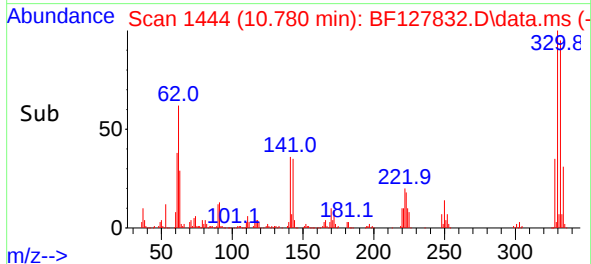
Instrument :  
BNA\_F  
ClientSampleId :  
SB-3



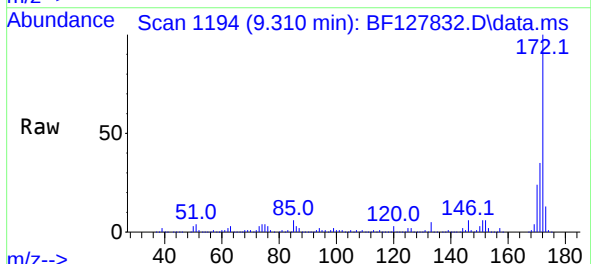
Tgt Ion: 330 Resp: 243052  
Ion Ratio Lower Upper  
330 100  
332 96.8 79.1 118.7  
141 34.5 26.2 39.4

Manual Integrations  
APPROVED

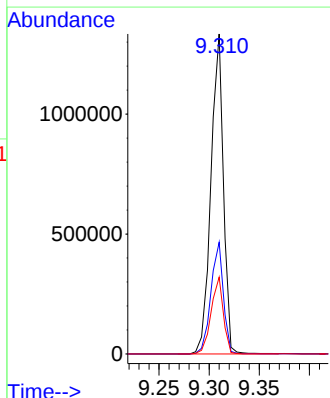
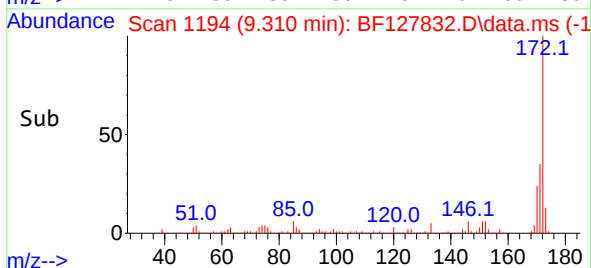
Reviewed By : Christian Giraldo 04/19/2022  
Supervised By : Jagrut Upadhyay 04/19/2022



#45  
2-Fluorobiphenyl  
Concen: 61.491 ng  
RT: 9.310 min Scan# 1194  
Delta R.T. -0.012 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29



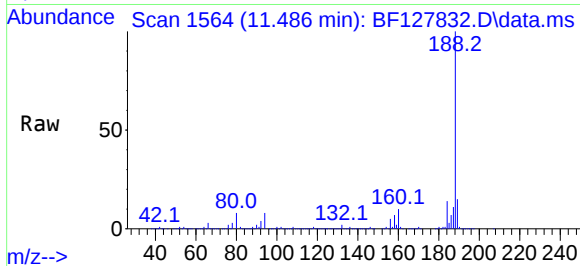
Tgt Ion: 172 Resp: 1160472  
Ion Ratio Lower Upper  
172 100  
171 34.9 28.4 42.6  
170 24.0 18.6 27.8





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.486 min Scan# 1564  
Delta R.T. -0.006 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29

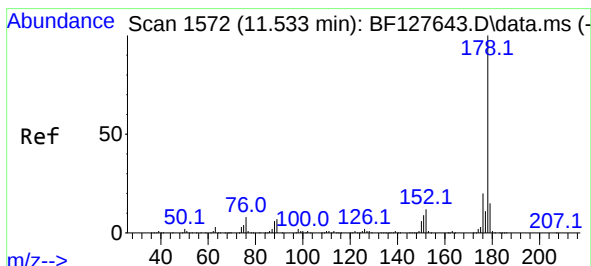
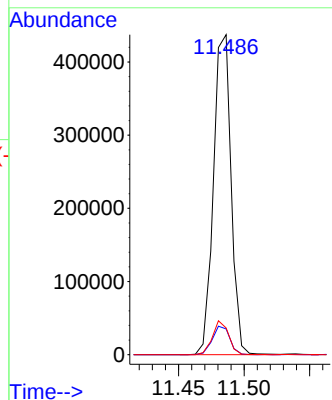
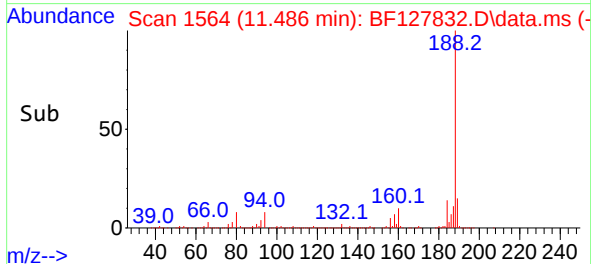
Instrument :  
BNA\_F  
ClientSampleId :  
SB-3



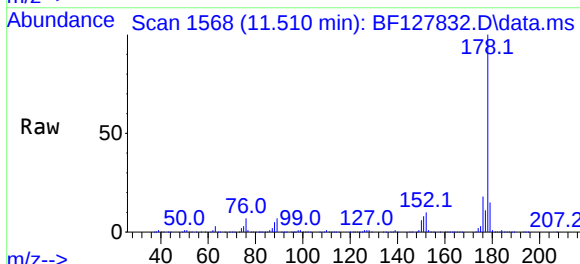
Tgt Ion:188 Resp: 409119  
Ion Ratio Lower Upper  
188 100  
94 8.0 7.4 11.0  
80 8.3 8.0 12.0

Manual Integrations  
APPROVED

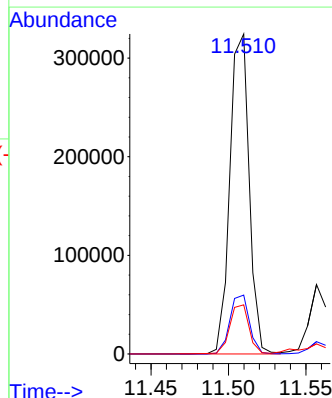
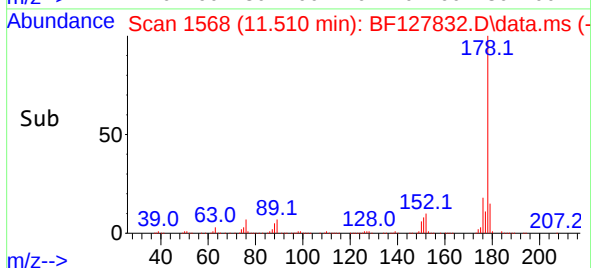
Reviewed By :Christian Giraldo 04/19/2022  
Supervised By :Jagrut Upadhyay 04/19/2022

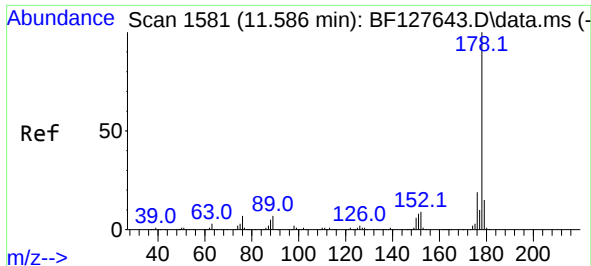


#71  
Phenanthrene  
Concen: 13.005 ng  
RT: 11.510 min Scan# 1568  
Delta R.T. -0.012 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29



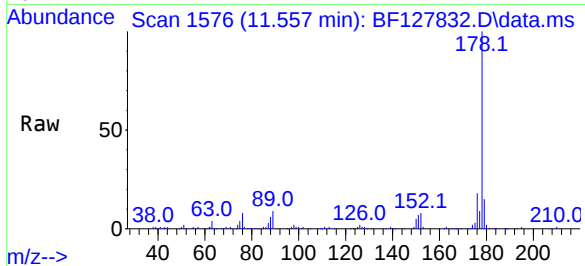
Tgt Ion:178 Resp: 281897  
Ion Ratio Lower Upper  
178 100  
176 18.4 15.4 23.2  
179 15.3 12.4 18.6





#72  
 Anthracene  
 Concen: 2.606 ng  
 RT: 11.557 min Scan# 11557  
 Delta R.T. -0.018 min  
 Lab File: BF127832.D  
 Acq: 18 Apr 2022 18:29

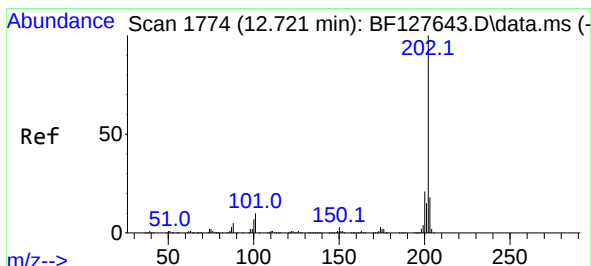
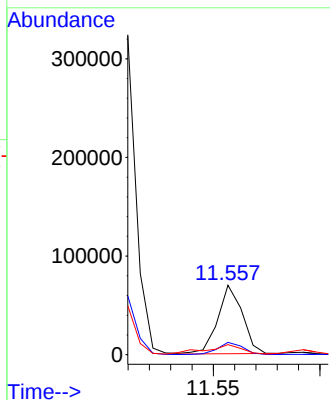
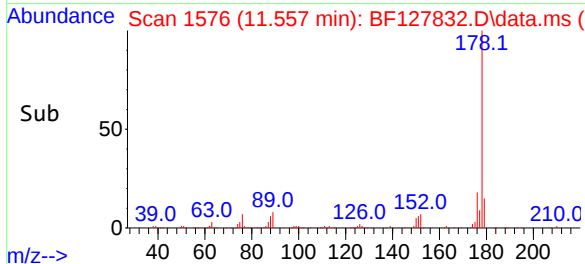
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3



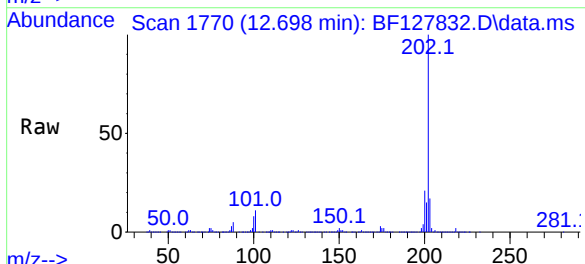
Tgt Ion:178 Resp: 55878  
 Ion Ratio Lower Upper  
 178 100  
 176 17.8 14.6 22.0  
 179 14.6 12.4 18.6

Manual Integrations  
 APPROVED

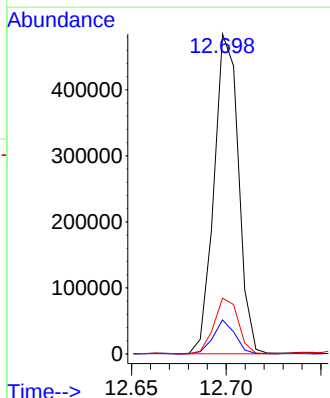
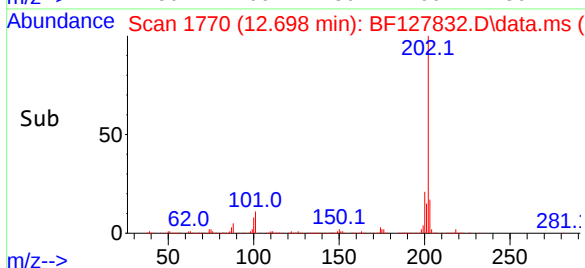
Reviewed By :Christian Giraldo 04/19/2022  
 Supervised By :Jagrut Upadhyay 04/19/2022

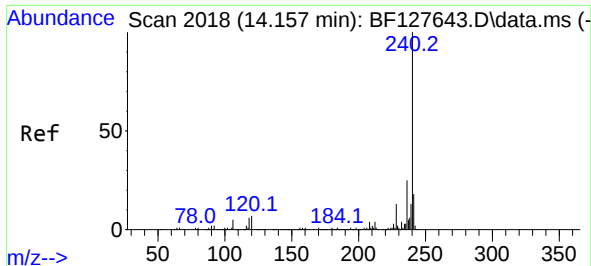


#75  
 Fluoranthene  
 Concen: 18.395 ng  
 RT: 12.698 min Scan# 1770  
 Delta R.T. -0.012 min  
 Lab File: BF127832.D  
 Acq: 18 Apr 2022 18:29



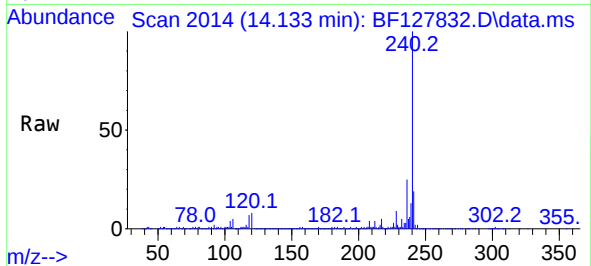
Tgt Ion:202 Resp: 435106  
 Ion Ratio Lower Upper  
 202 100  
 101 10.7 0.0 29.0  
 203 17.4 0.0 37.7





#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.133 min Scan# 2018  
Delta R.T. -0.012 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29

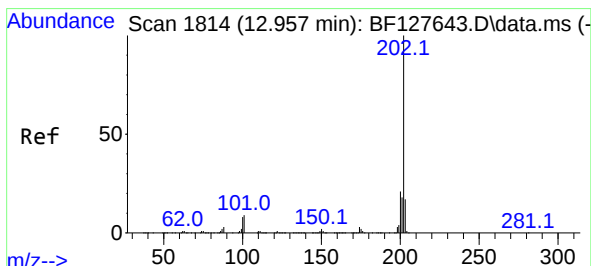
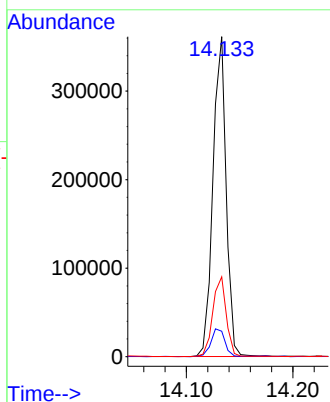
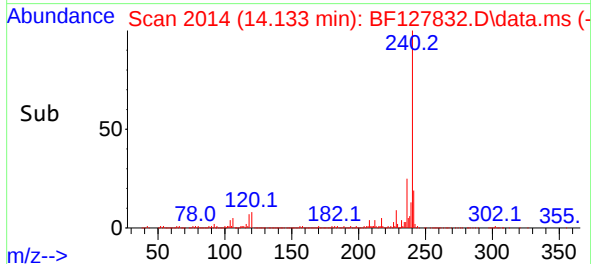
Instrument :  
BNA\_F  
ClientSampleId :  
SB-3



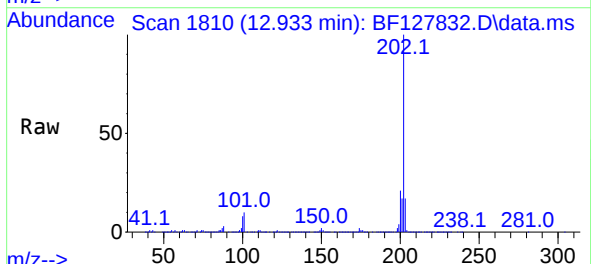
Tgt Ion:240 Resp: 311828  
Ion Ratio Lower Upper  
240 100  
120 8.0 7.1 10.7  
236 25.0 20.7 31.1

Manual Integrations  
APPROVED

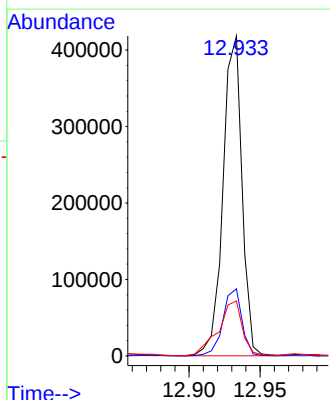
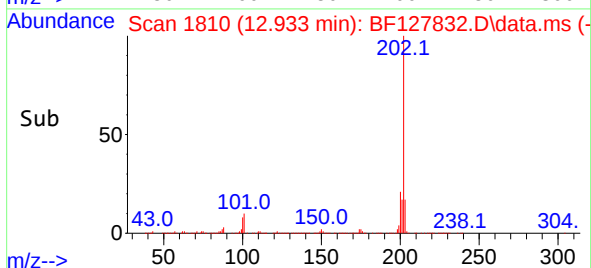
Reviewed By :Christian Giraldo 04/19/2022  
Supervised By :Jagrut Upadhyay 04/19/2022

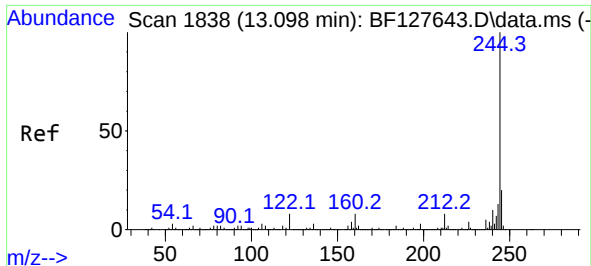


#78  
Pyrene  
Concen: 14.718 ng  
RT: 12.933 min Scan# 1810  
Delta R.T. -0.012 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29



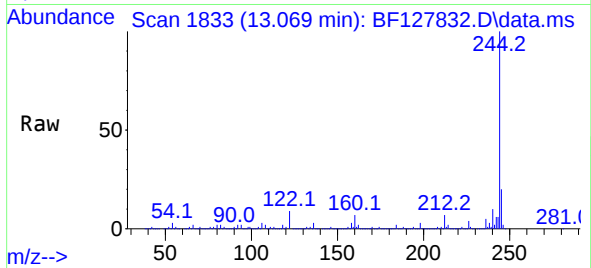
Tgt Ion:202 Resp: 387546  
Ion Ratio Lower Upper  
202 100  
200 21.0 17.1 25.7  
203 17.2 14.3 21.5





#79  
 Terphenyl-d14  
 Concen: 47.939 ng  
 RT: 13.069 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: BF127832.D  
 Acq: 18 Apr 2022 18:29

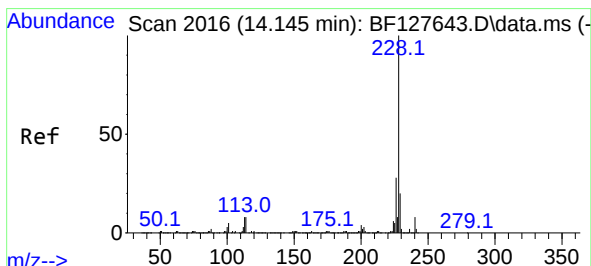
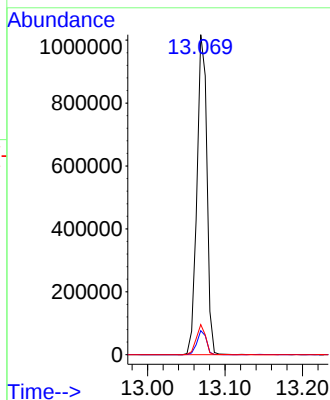
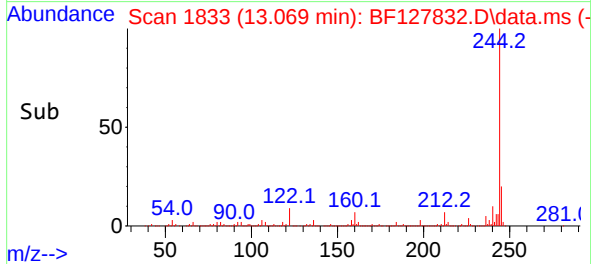
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-3



Tgt Ion:244 Resp: 90565  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 5.7 8.5  
 122 9.4 6.2 9.2

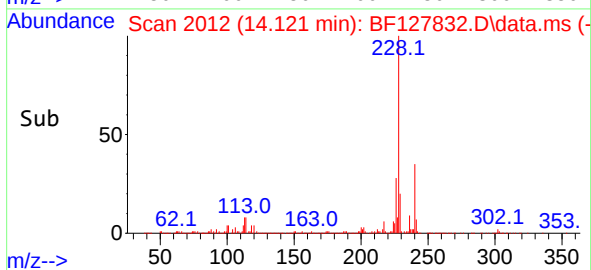
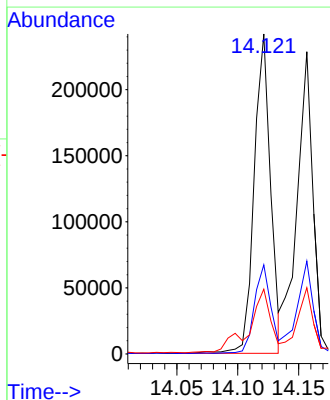
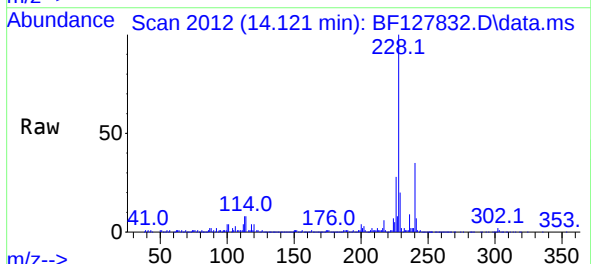
Manual Integrations  
 APPROVED

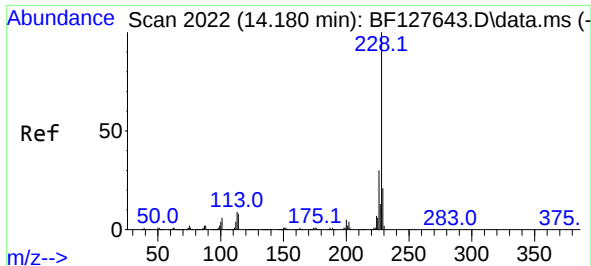
Reviewed By :Christian Giraldo 04/19/2022  
 Supervised By :Jagrut Upadhyay 04/19/2022



#81  
 Benzo(a)anthracene  
 Concen: 10.841 ng  
 RT: 14.121 min Scan# 2012  
 Delta R.T. -0.012 min  
 Lab File: BF127832.D  
 Acq: 18 Apr 2022 18:29

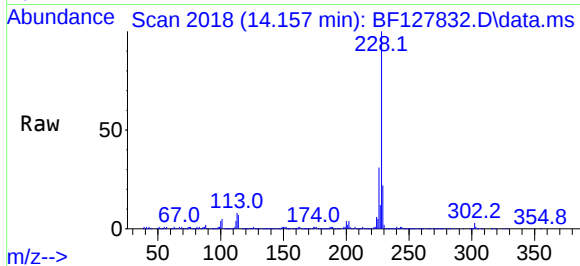
Tgt Ion:228 Resp: 225781  
 Ion Ratio Lower Upper  
 228 100  
 226 27.9 21.6 32.4  
 229 20.2 15.4 23.2





#83  
Chrysene  
Concen: 10.500 ng m  
RT: 14.157 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29

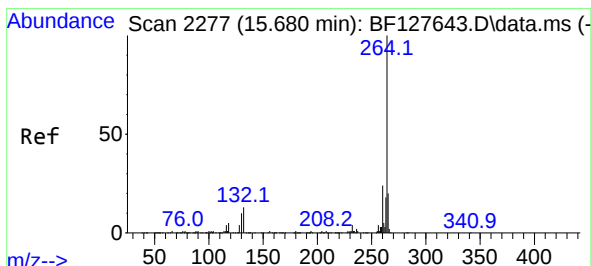
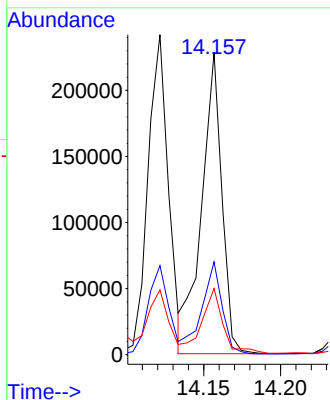
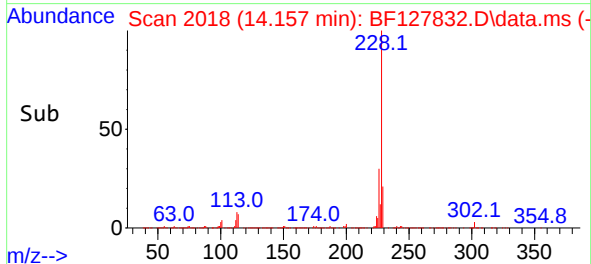
Instrument :  
BNA\_F  
ClientSampleId :  
SB-3



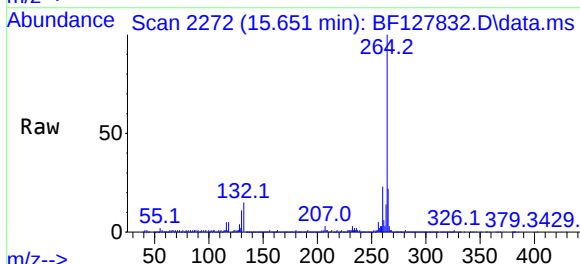
Tgt Ion:228 Resp: 209900  
Ion Ratio Lower Upper  
228 100  
226 30.7 24.2 36.4  
229 21.9 15.4 23.2

Manual Integrations  
APPROVED

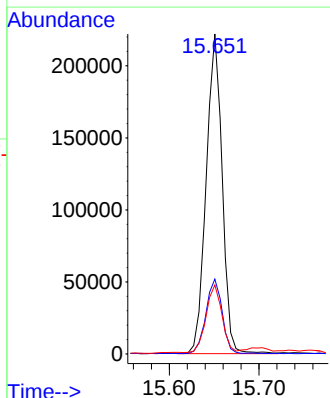
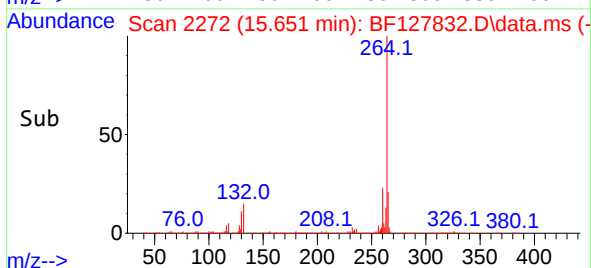
Reviewed By :Christian Giraldo 04/19/2022  
Supervised By :Jagrut Upadhyay 04/19/2022

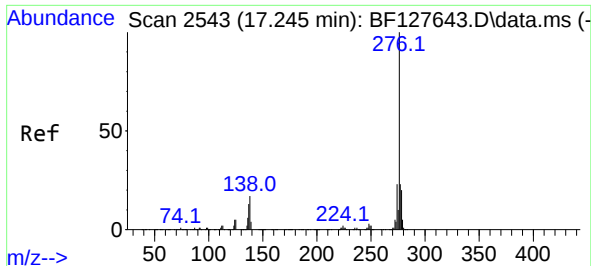


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.651 min Scan# 2272  
Delta R.T. -0.012 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29



Tgt Ion:264 Resp: 274766  
Ion Ratio Lower Upper  
264 100  
260 23.4 19.1 28.7  
265 21.6 17.4 26.2





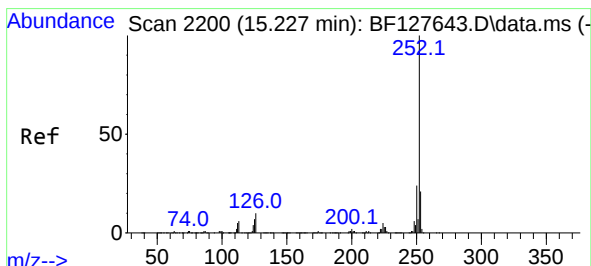
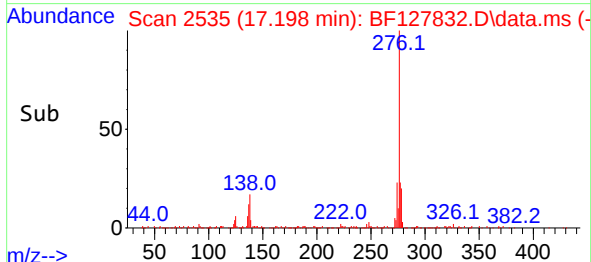
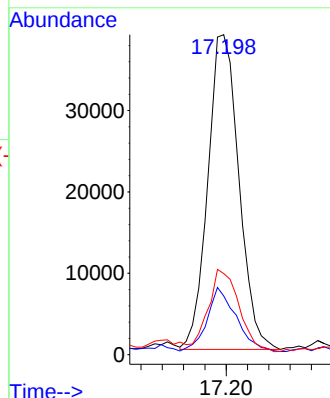
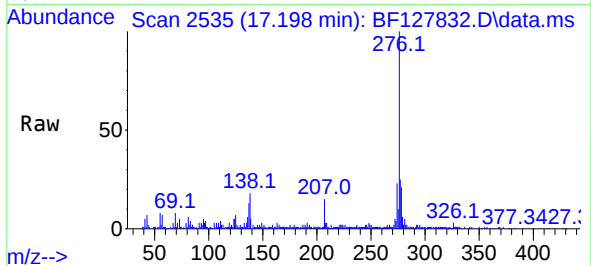
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 4.567 ng  
RT: 17.198 min Scan# 2195  
Delta R.T. -0.029 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29

Instrument :  
BNA\_F  
ClientSampleId :  
SB-3

Tgt Ion:276 Resp: 78409  
Ion Ratio Lower Upper  
276 100  
138 19.0 17.1 25.7  
277 25.9 19.9 29.9

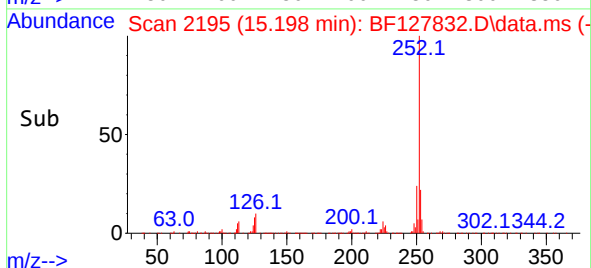
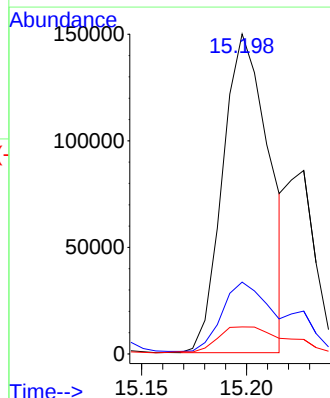
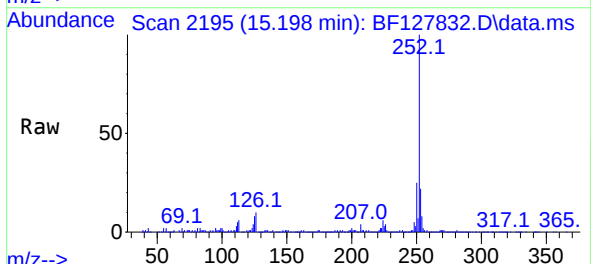
Manual Integrations  
APPROVED

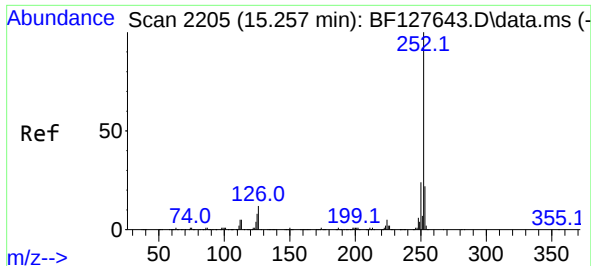
Reviewed By :Christian Giraldo 04/19/2022  
Supervised By :Jagrut Upadhyay 04/19/2022



#88  
Benzo(b)fluoranthene  
Concen: 12.984 ng m  
RT: 15.198 min Scan# 2195  
Delta R.T. -0.012 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29

Tgt Ion:252 Resp: 229499  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.9 26.9  
125 8.5 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 4.483 ng m

RT: 15.227 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF127832.D

Acq: 18 Apr 2022 18:29

Instrument :

BNA\_F

ClientSampleId :

SB-3

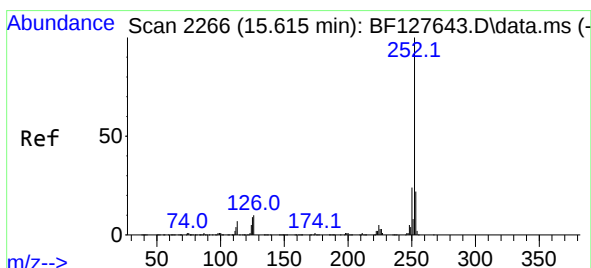
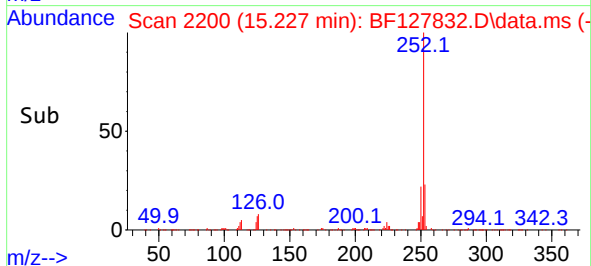
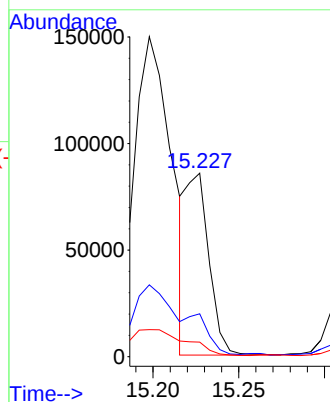
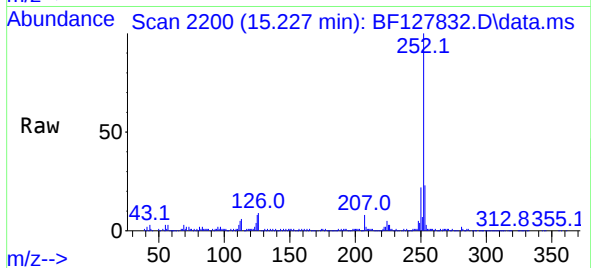
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 7859 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 23.3  | 17.3  | 25.9 |
| 125       | 8.0   | 6.9   | 10.3 |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/19/2022

Supervised By :Jagrut Upadhyay 04/19/2022



#90

Benzo(a)pyrene

Concen: 10.922 ng

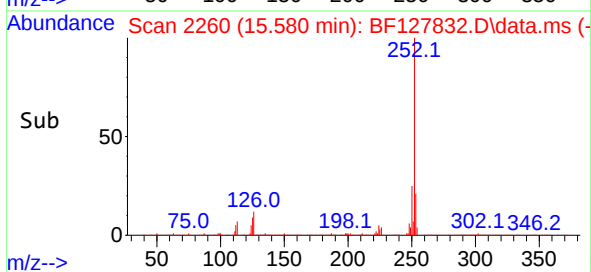
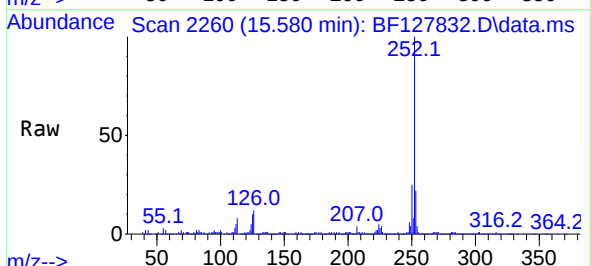
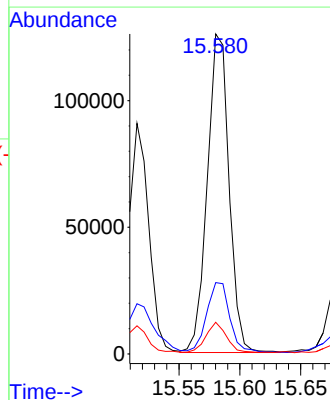
RT: 15.580 min Scan# 2260

Delta R.T. -0.018 min

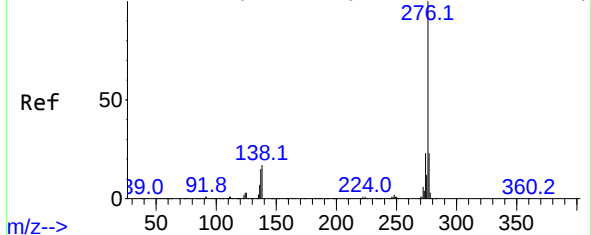
Lab File: BF127832.D

Acq: 18 Apr 2022 18:29

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 156915 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.3  | 17.0  | 25.6   |
| 125       | 9.9   | 6.7   | 10.1   |



Abundance Scan 2625 (17.727 min): BF127643.D\data.ms (-



#92  
Benzo(g,h,i)perylene  
Concen: 5.724 ng  
RT: 17.674 min Scan# 20  
Delta R.T. -0.029 min  
Lab File: BF127832.D  
Acq: 18 Apr 2022 18:29

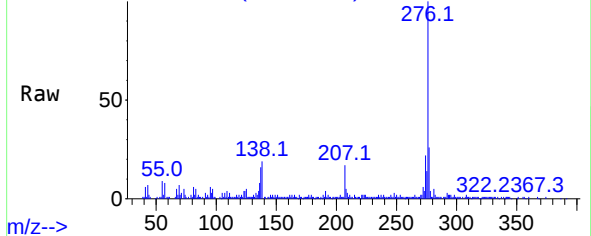
Instrument :

BNA\_F

ClientSampleId :

SB-3

Abundance Scan 2616 (17.674 min): BF127832.D\data.ms



Tgt Ion:276 Resp: 81625  
Ion Ratio Lower Upper  
276 100  
277 25.5 19.0 28.4  
138 19.1 14.6 22.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/19/2022  
Supervised By :Jagrut Upadhyay 04/19/2022

Abundance Scan 2616 (17.674 min): BF127832.D\data.ms (-

