

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF041222\  
 Data File : BF127767.D  
 Acq On : 12 Apr 2022 19:31  
 Operator : CG\JU  
 Sample : N2334-13  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUP040722

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 04/13/2022  
 Supervised By : Jagrut Upadhyay 04/13/2022

Quant Time: Apr 13 07:25:19 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 07:19:18 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.957  | 152  | 102321   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.240  | 136  | 306109   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.998  | 164  | 184808   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.486 | 188  | 311149   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.133 | 240  | 326230   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.651 | 264  | 339632   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.575  | 112  | 315751   | 50.143  | ng    | 0.00     |
| 7) Phenol-d6                | 6.575  | 99   | 201879   | 24.506  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.528  | 82   | 576787   | 84.002  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.786 | 330  | 257813   | 131.094 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.316  | 172  | 1076089  | 82.372  | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.075 | 244  | 1241723  | 62.827  | ng    | 0.00     |
| Target Compounds            |        |      |          |         |       |          |
|                             |        |      |          |         |       | Qvalue   |
| 31) Naphthalene             | 8.269  | 128  | 740153   | 46.144  | ng    | # 96     |
| 37) 2-Methylnaphthalene     | 8.957  | 142  | 729854   | 68.032  | ng    | 99       |
| 38) 1-Methylnaphthalene     | 9.057  | 142  | 585191   | 56.513  | ng    | 98       |
| 52) Acenaphthene            | 10.028 | 154  | 21728    | 2.019   | ng    | 97       |
| 71) Phenanthrene            | 11.510 | 178  | 51865    | 3.146   | ng    | 98       |
| 75) Fluoranthene            | 12.704 | 202  | 95764    | 5.323   | ng    | 99       |
| 78) Pyrene                  | 12.933 | 202  | 96735    | 3.512   | ng    | 98       |
| 88) Benzo(b)fluoranthene    | 15.198 | 252  | 46490m   | 2.128   | ng    |          |
| -----                       |        |      |          |         |       |          |

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

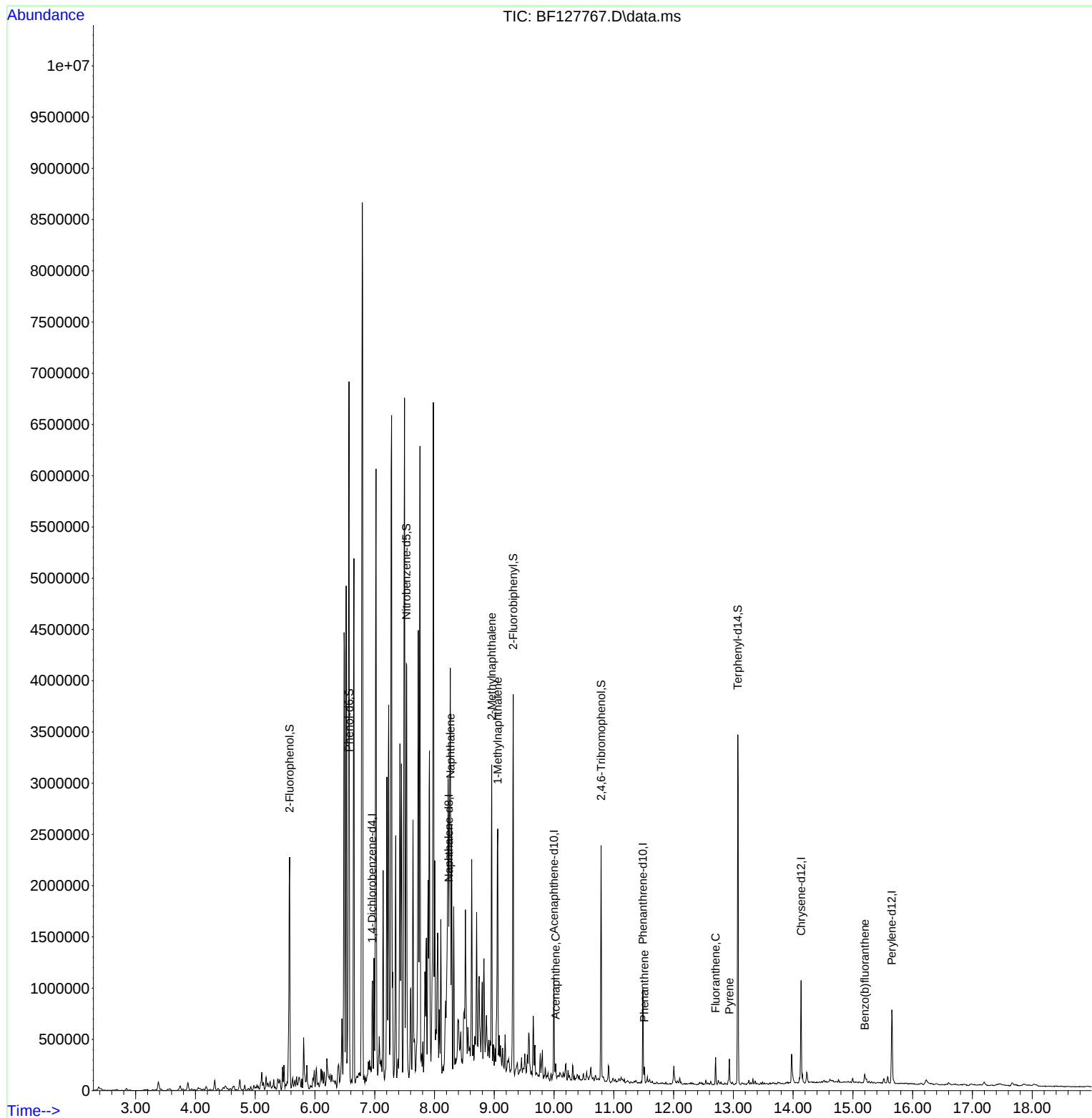
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF041222\  
Data File : BF127767.D  
Acq On : 12 Apr 2022 19:31  
Operator : CG\JU  
Sample : N2334-13  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

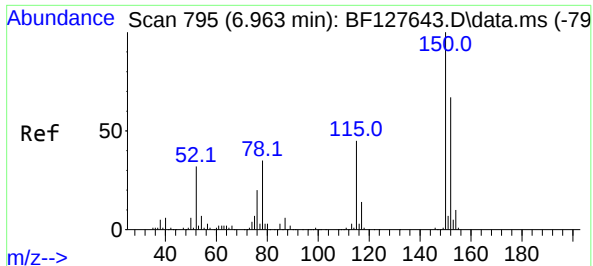
Instrument :  
BNA\_F  
ClientSampleId :  
DUP040722

Quant Time: Apr 13 07:25:19 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 07:19:18 2022  
Response via : Initial Calibration

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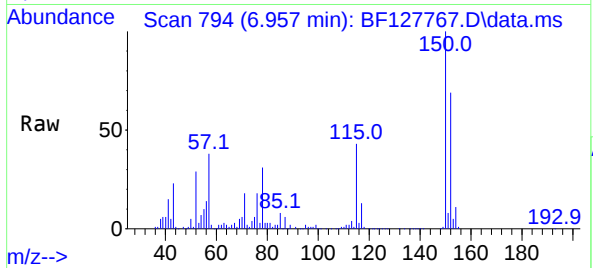
Reviewed By :Christian Giraldo 04/13/2022  
Supervised By :Jagrut Upadhyay 04/13/2022





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.957 min Scan# 795  
Delta R.T. 0.000 min  
Lab File: BF127767.D  
Acq: 12 Apr 2022 19:31

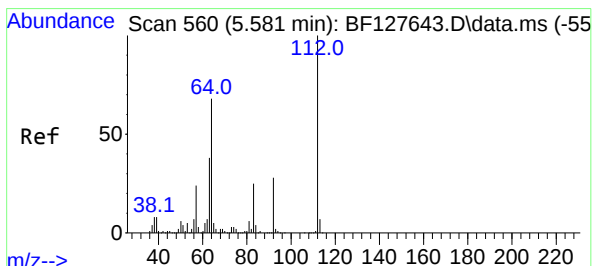
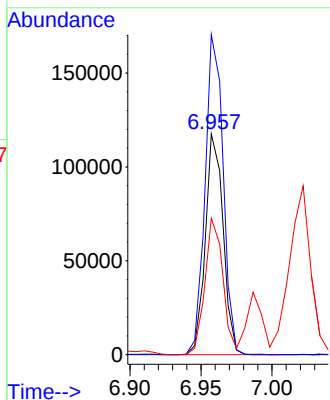
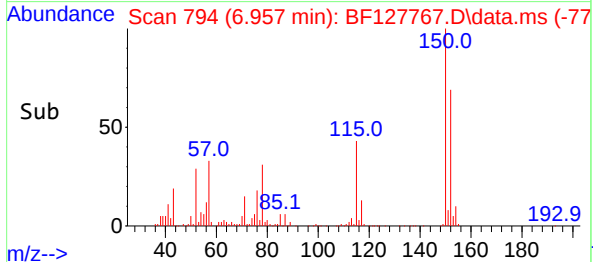
Instrument :  
BNA\_F  
ClientSampleId :  
DUP040722



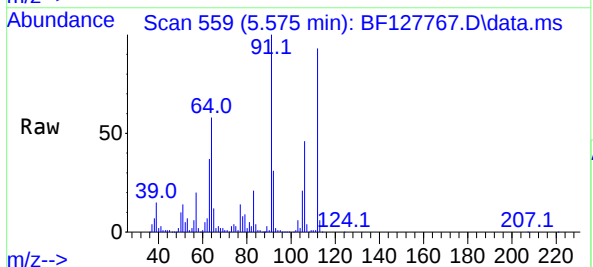
Tgt Ion:152 Resp: 10232  
Ion Ratio Lower Upper  
152 100  
150 144.9 117.2 175.8  
115 61.8 49.8 74.6

Manual Integrations  
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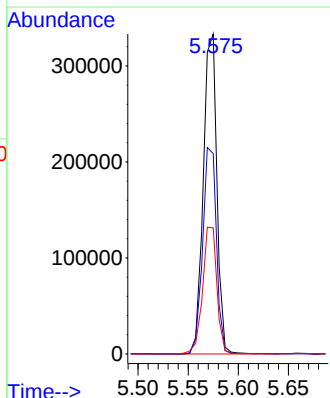
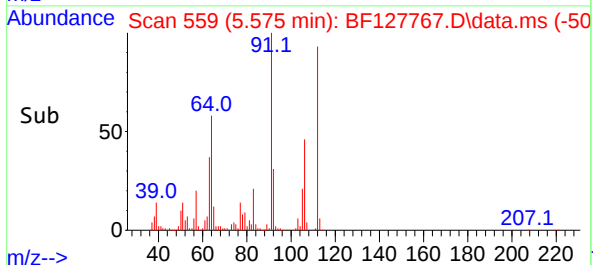
Reviewed By :Christian Giraldo 04/13/2022  
Supervised By :Jagrut Upadhyay 04/13/2022



#5  
2-Fluorophenol  
Concen: 50.143 ng  
RT: 5.575 min Scan# 559  
Delta R.T. -0.006 min  
Lab File: BF127767.D  
Acq: 12 Apr 2022 19:31



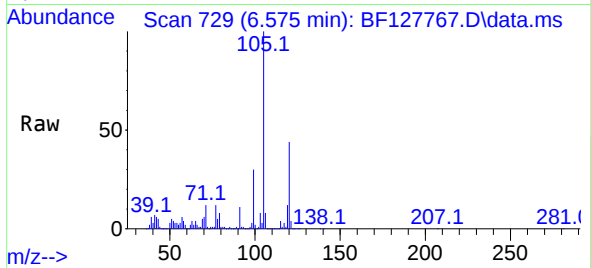
Tgt Ion:112 Resp: 315751  
Ion Ratio Lower Upper  
112 100  
64 62.6 58.4 87.6  
63 39.4 30.1 45.1





#7  
Phenol-d6  
Concen: 24.506 ng  
RT: 6.575 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF127767.D  
Acq: 12 Apr 2022 19:31

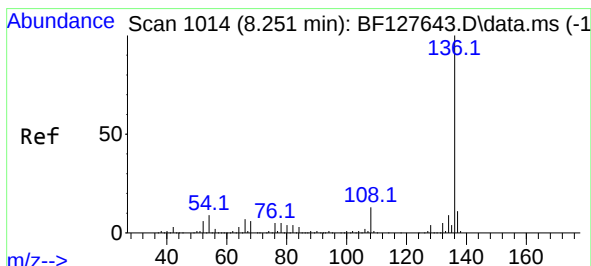
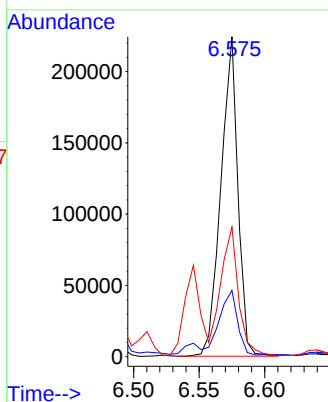
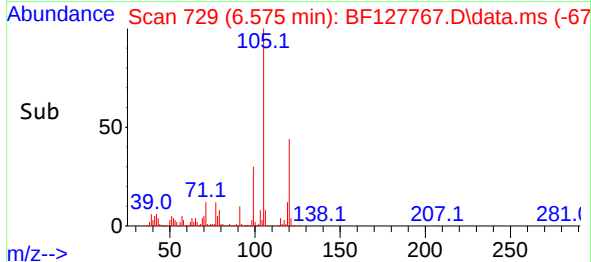
Instrument :  
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ClientSampleId :  
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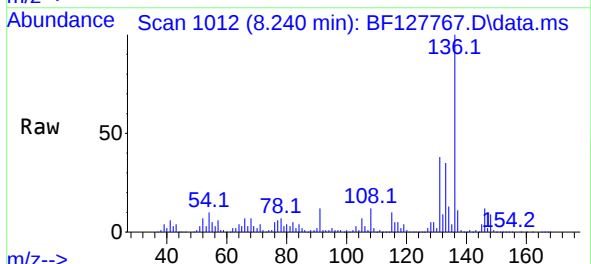
Tgt Ion: 99 Resp: 201879  
Ion Ratio Lower Upper  
99 100  
42 20.7 17.8 26.6  
71 40.5 29.6 44.4

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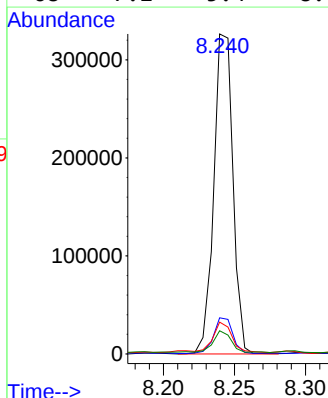
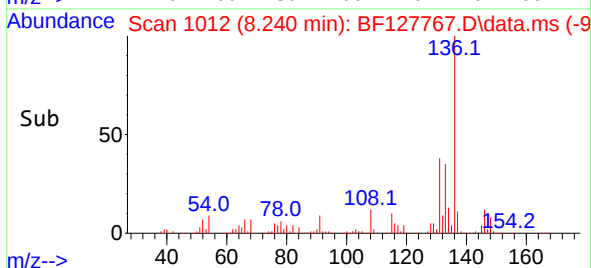
Reviewed By :Christian Giraldo 04/13/2022  
Supervised By :Jagrut Upadhyay 04/13/2022

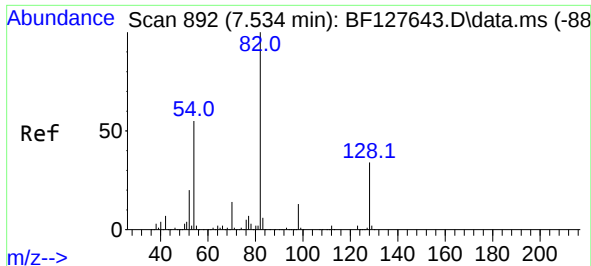


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.240 min Scan# 1012  
Delta R.T. -0.006 min  
Lab File: BF127767.D  
Acq: 12 Apr 2022 19:31



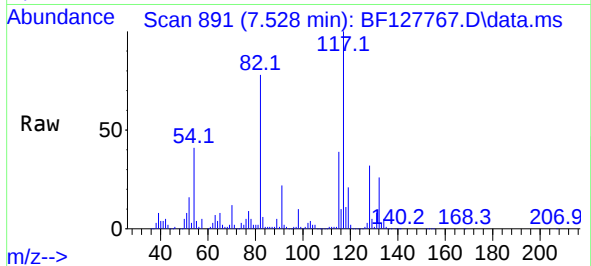
Tgt Ion:136 Resp: 306109  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.6 13.0  
54 10.0 9.2 13.8  
68 7.2 5.4 8.0





#23  
Nitrobenzene-d5  
Concen: 84.002 ng  
RT: 7.528 min Scan# 891  
Delta R.T. 0.000 min  
Lab File: BF127767.D  
Acq: 12 Apr 2022 19:31

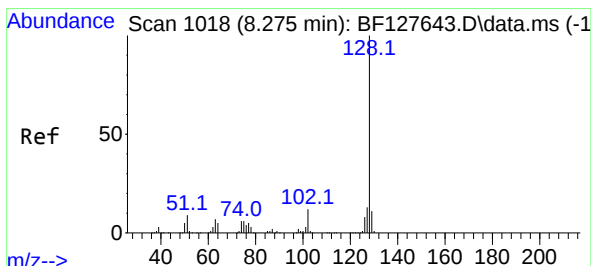
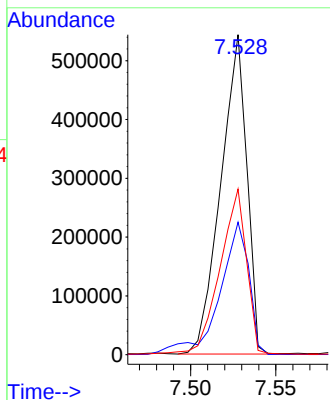
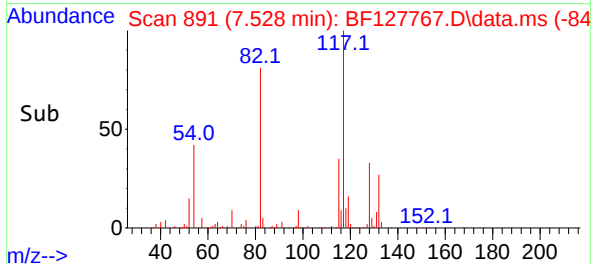
Instrument :  
BNA\_F  
ClientSampleId :  
DUP040722



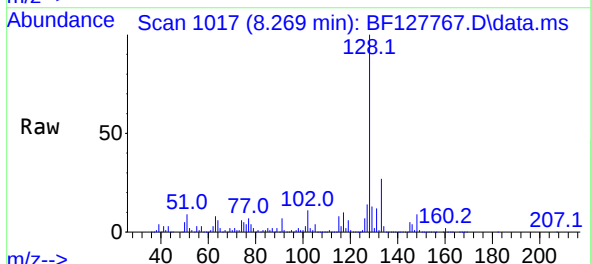
Tgt Ion: 82 Resp: 57678  
Ion Ratio Lower Upper  
82 100  
128 41.4 30.6 45.8  
54 51.8 48.2 72.2

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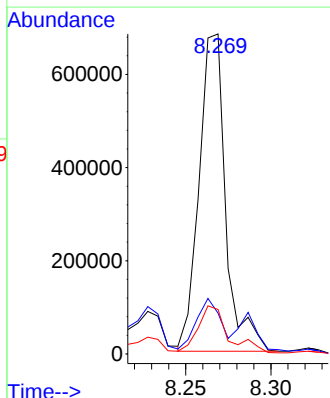
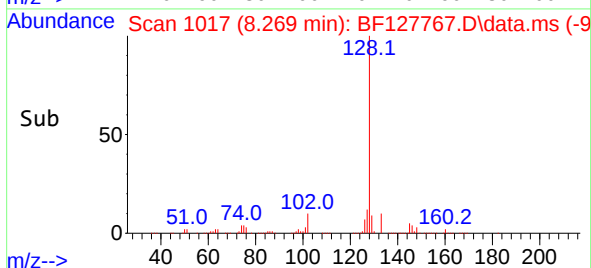
Reviewed By :Christian Giraldo 04/13/2022  
Supervised By :Jagrut Upadhyay 04/13/2022

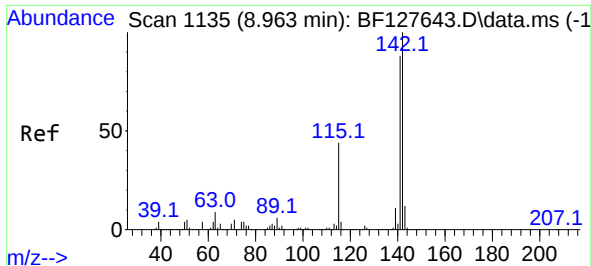


#31  
Naphthalene  
Concen: 46.144 ng  
RT: 8.269 min Scan# 1017  
Delta R.T. 0.000 min  
Lab File: BF127767.D  
Acq: 12 Apr 2022 19:31



Tgt Ion:128 Resp: 740153  
Ion Ratio Lower Upper  
128 100  
129 12.8 8.4 12.6#  
127 13.9 10.2 15.2





#37

2-Methylnaphthalene

Concen: 68.032 ng

RT: 8.957 min Scan# 1134

Delta R.T. 0.000 min

Lab File: BF127767.D

Acq: 12 Apr 2022 19:31

Instrument :

BNA\_F

ClientSampleId :

DUP040722

Tgt Ion:142 Resp: 729854

Ion Ratio Lower Upper

142 100

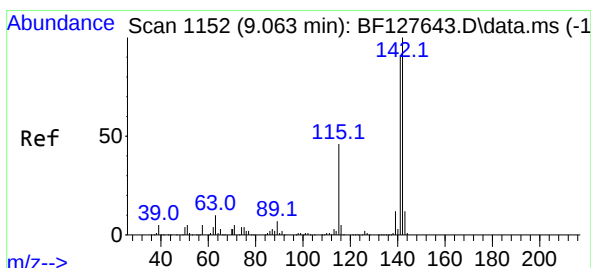
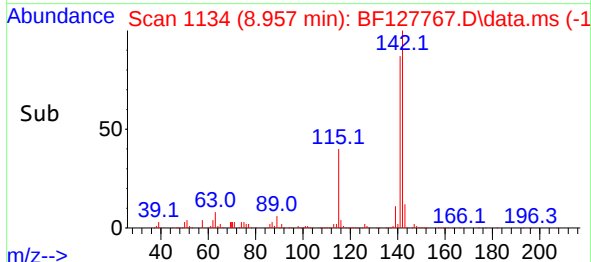
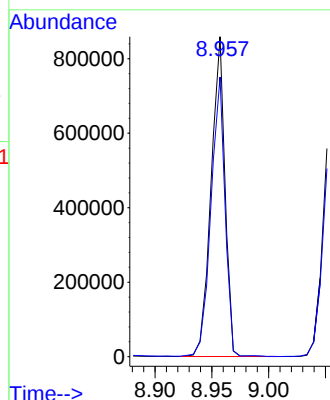
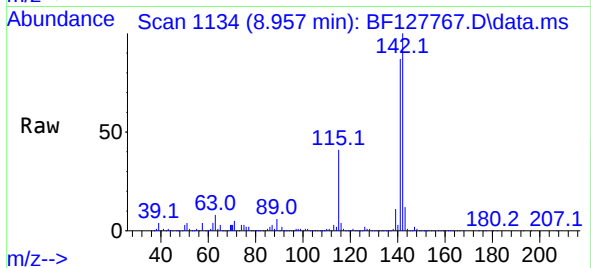
141 87.4 70.6 106.0

Manual Integrations

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Reviewed By :Christian Giraldo 04/13/2022

Supervised By :Jagrut Upadhyay 04/13/2022



#38

1-Methylnaphthalene

Concen: 56.513 ng

RT: 9.057 min Scan# 1151

Delta R.T. 0.000 min

Lab File: BF127767.D

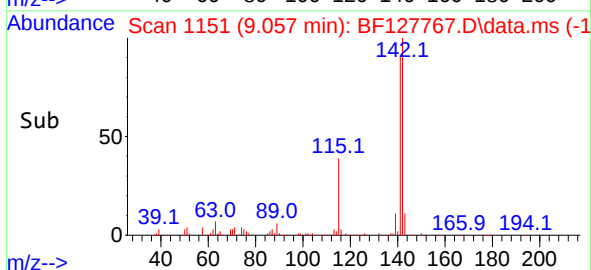
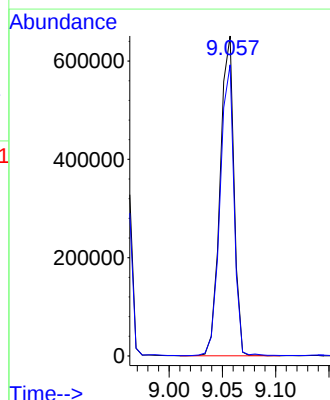
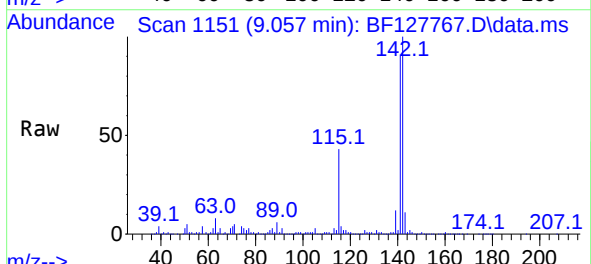
Acq: 12 Apr 2022 19:31

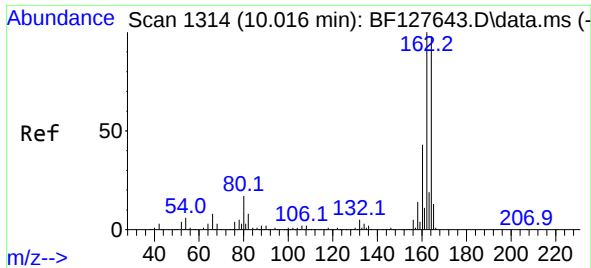
Tgt Ion:142 Resp: 585191

Ion Ratio Lower Upper

142 100

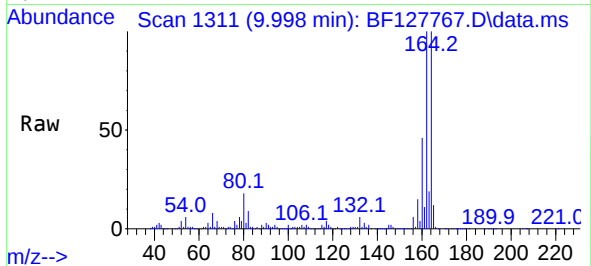
141 91.0 74.2 111.2





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.998 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF127767.D  
Acq: 12 Apr 2022 19:31

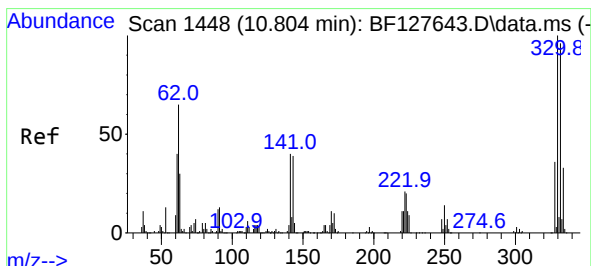
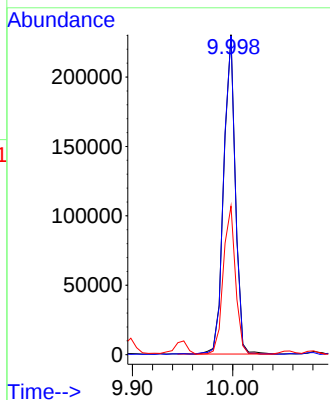
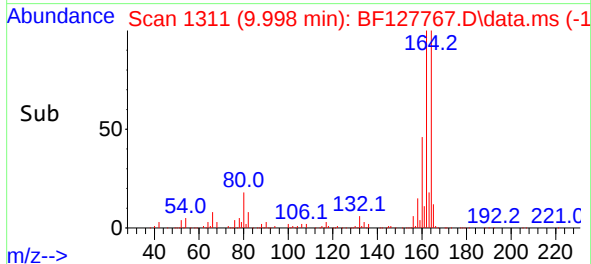
Instrument :  
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ClientSampleId :  
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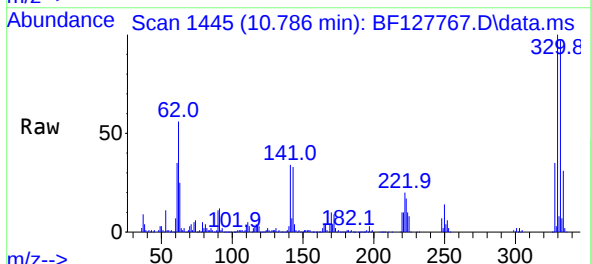
Tgt Ion:164 Resp: 184808  
Ion Ratio Lower Upper  
164 100  
162 99.6 81.2 121.8  
160 46.4 34.6 52.0

Manual Integrations  
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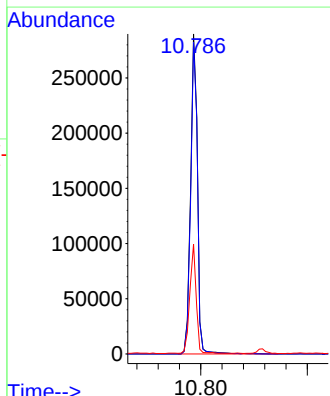
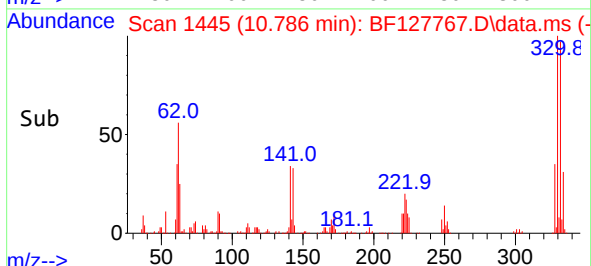
Reviewed By :Christian Giraldo 04/13/2022  
Supervised By :Jagrut Upadhyay 04/13/2022

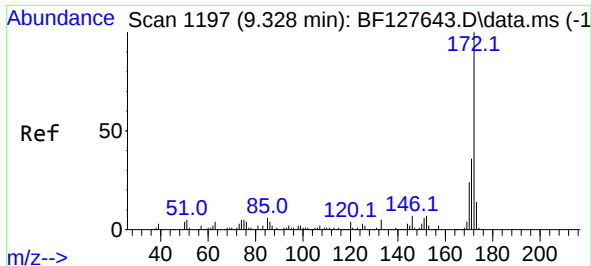


#42  
2,4,6-Tribromophenol  
Concen: 131.094 ng  
RT: 10.786 min Scan# 1445  
Delta R.T. -0.006 min  
Lab File: BF127767.D  
Acq: 12 Apr 2022 19:31



Tgt Ion:330 Resp: 257813  
Ion Ratio Lower Upper  
330 100  
332 96.7 79.1 118.7  
141 32.0 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 82.372 ng

RT: 9.316 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF127767.D

Acq: 12 Apr 2022 19:31

Instrument :

BNA\_F

ClientSampleId :

DUP040722

Tgt Ion:172 Resp: 1076089

Ion Ratio Lower Upper

172 100

171 34.8 28.4 42.6

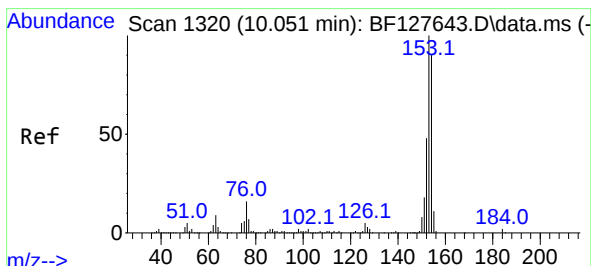
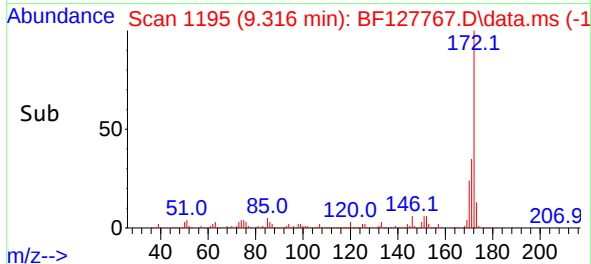
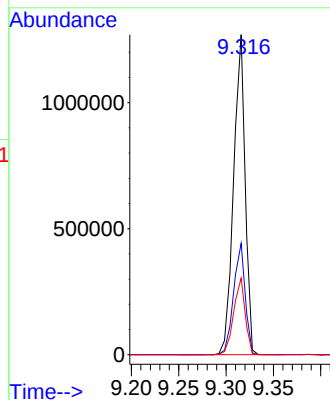
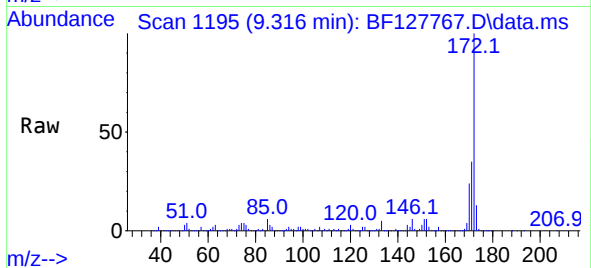
170 24.0 18.6 27.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 04/13/2022



#52

Acenaphthene

Concen: 2.019 ng

RT: 10.028 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF127767.D

Acq: 12 Apr 2022 19:31

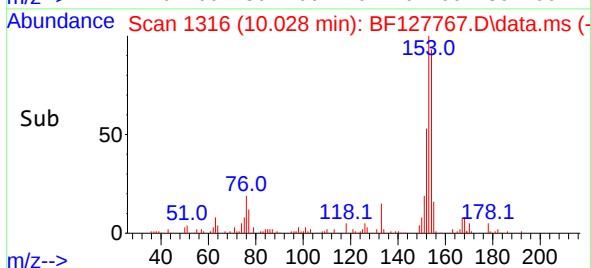
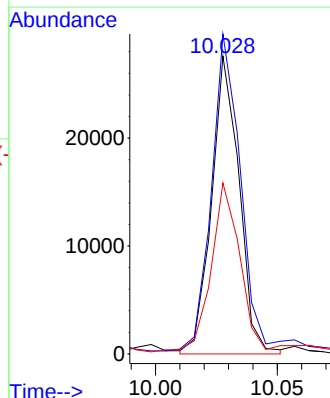
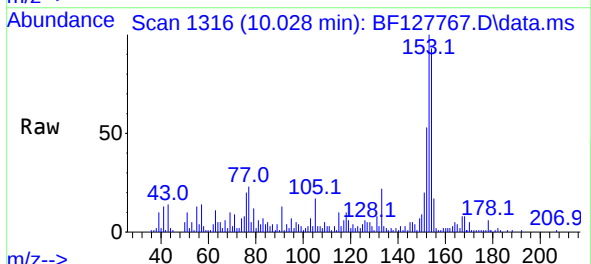
Tgt Ion:154 Resp: 21728

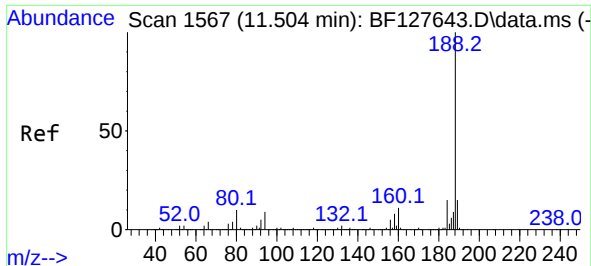
Ion Ratio Lower Upper

154 100

153 107.4 87.6 131.4

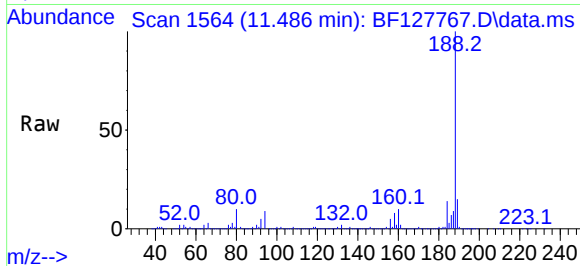
152 57.4 42.9 64.3





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.486 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF127767.D  
Acq: 12 Apr 2022 19:31

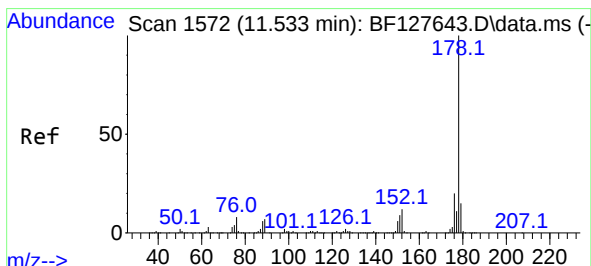
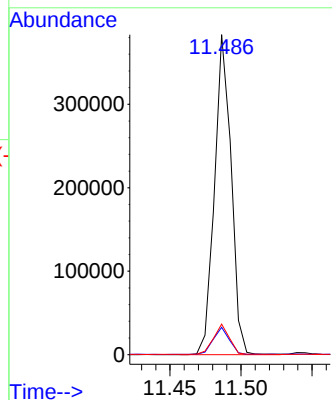
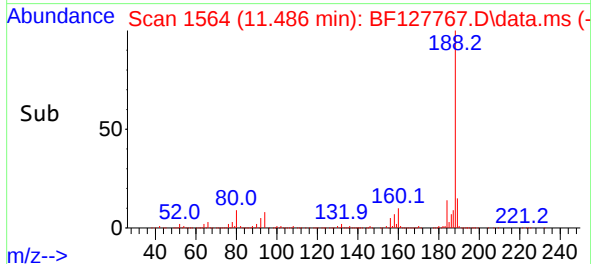
Instrument :  
BNA\_F  
ClientSampleId :  
DUP040722



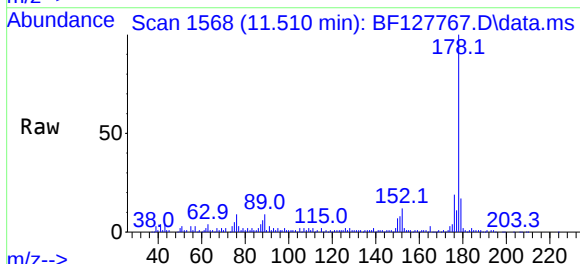
Tgt Ion:188 Resp: 311149  
Ion Ratio Lower Upper  
188 100  
94 8.5 7.4 11.0  
80 9.6 8.0 12.0

Manual Integrations  
APPROVED

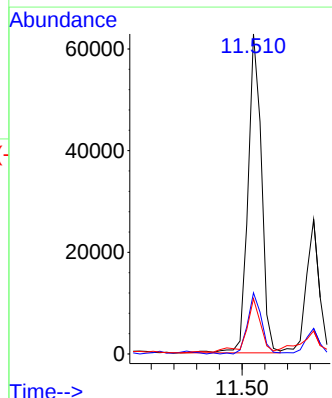
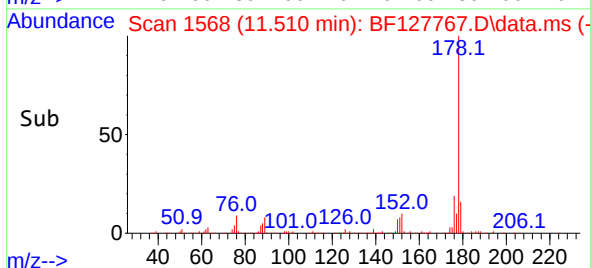
Reviewed By :Christian Giraldo 04/13/2022  
Supervised By :Jagrut Upadhyay 04/13/2022

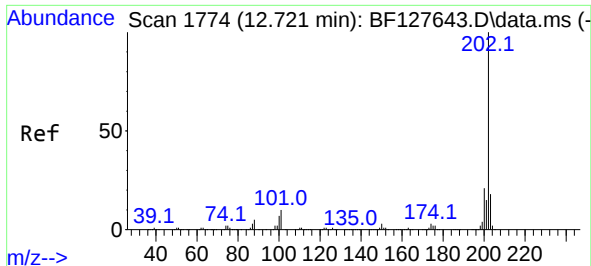


#71  
Phenanthrene  
Concen: 3.146 ng  
RT: 11.510 min Scan# 1568  
Delta R.T. -0.012 min  
Lab File: BF127767.D  
Acq: 12 Apr 2022 19:31



Tgt Ion:178 Resp: 51865  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.4 23.2  
179 17.3 12.4 18.6





#75  
Fluoranthene  
Concen: 5.323 ng  
RT: 12.704 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF127767.D  
Acq: 12 Apr 2022 19:31

Instrument :

BNA\_F

ClientSampleId :

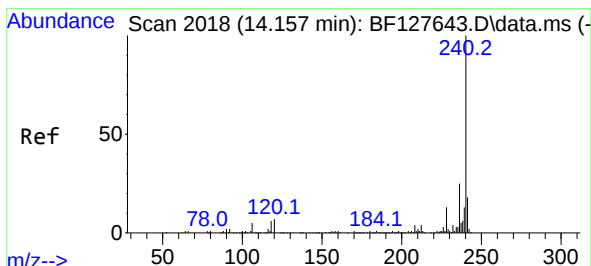
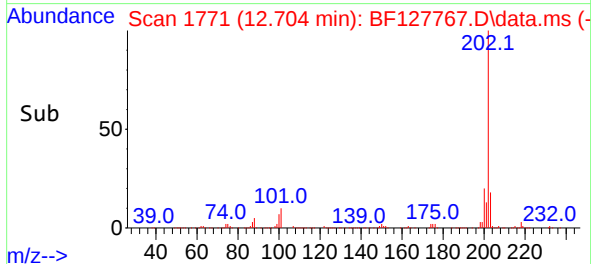
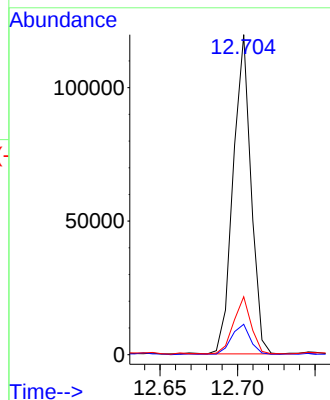
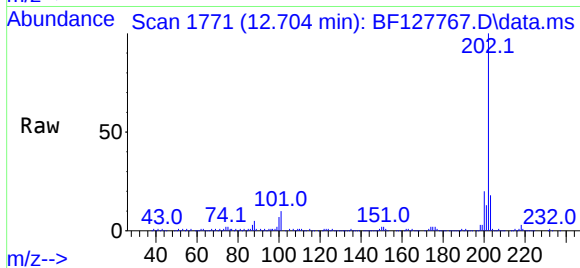
DUP040722

Tgt Ion:202 Resp: 95764  
Ion Ratio Lower Upper  
202 100  
101 9.5 0.0 29.0  
203 18.1 0.0 37.7

Manual Integrations

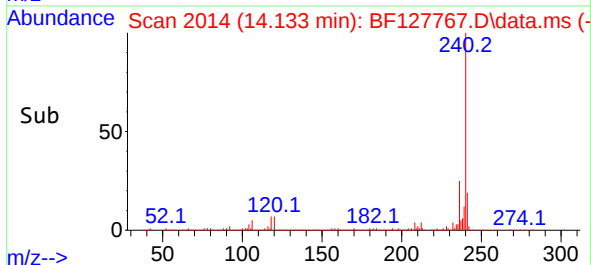
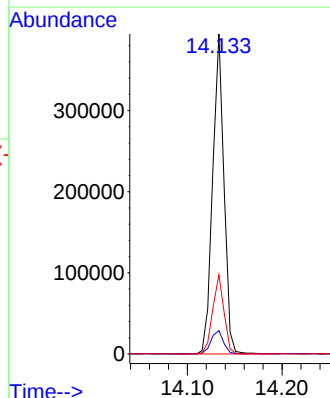
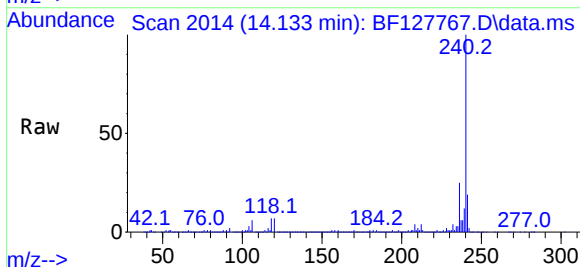
APPROVED

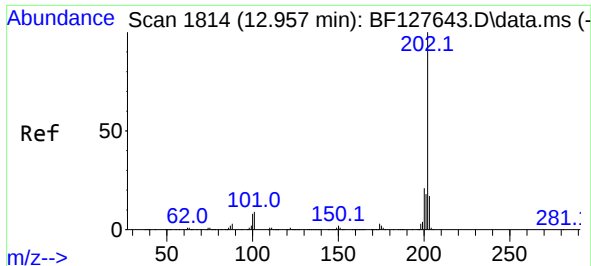
Reviewed By :Christian Giraldo 04/13/2022  
Supervised By :Jagrut Upadhyay 04/13/2022



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.133 min Scan# 2014  
Delta R.T. -0.006 min  
Lab File: BF127767.D  
Acq: 12 Apr 2022 19:31

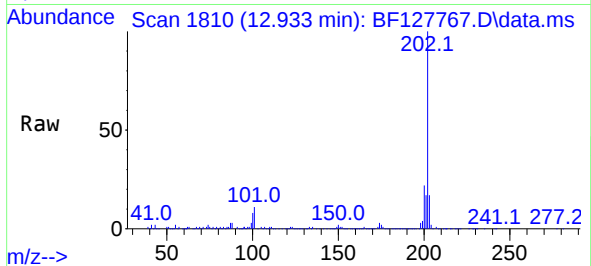
Tgt Ion:240 Resp: 326230  
Ion Ratio Lower Upper  
240 100  
120 7.3 7.1 10.7  
236 24.8 20.7 31.1





#78  
Pyrene  
Concen: 3.512 ng  
RT: 12.933 min Scan# 1810  
Delta R.T. -0.006 min  
Lab File: BF127767.D  
Acq: 12 Apr 2022 19:31

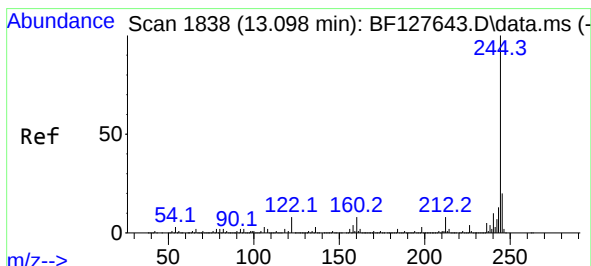
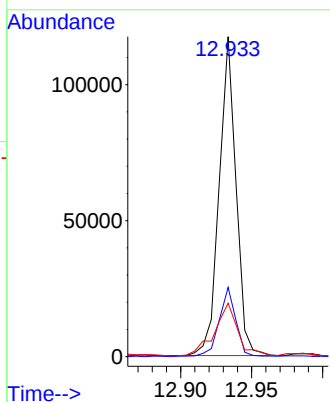
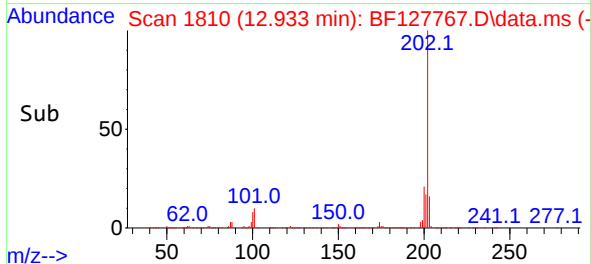
Instrument :  
BNA\_F  
ClientSampleId :  
DUP040722



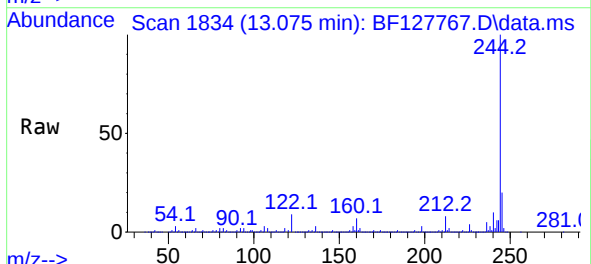
Tgt Ion:202 Resp: 96735  
Ion Ratio Lower Upper  
202 100  
200 21.7 17.1 25.7  
203 16.7 14.3 21.5

Manual Integrations  
APPROVED

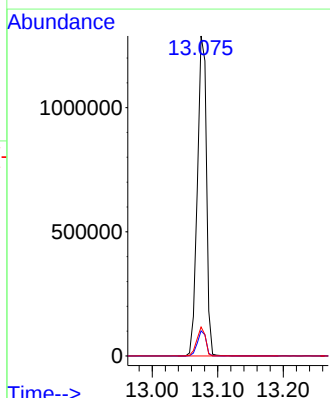
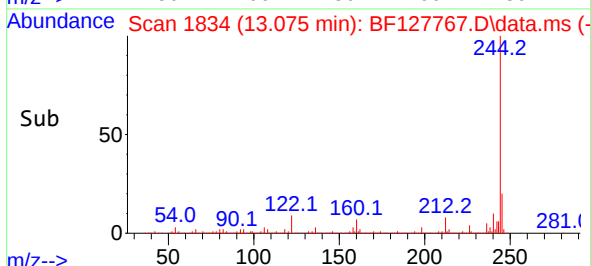
Reviewed By :Christian Giraldo 04/13/2022  
Supervised By :Jagrut Upadhyay 04/13/2022

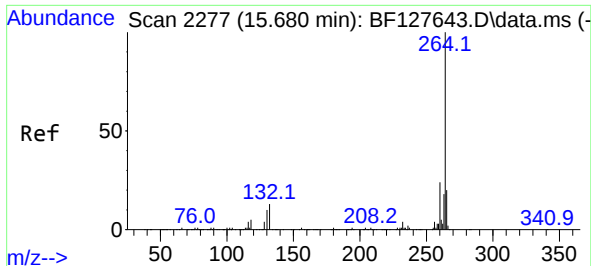


#79  
Terphenyl-d14  
Concen: 62.827 ng  
RT: 13.075 min Scan# 1834  
Delta R.T. -0.006 min  
Lab File: BF127767.D  
Acq: 12 Apr 2022 19:31



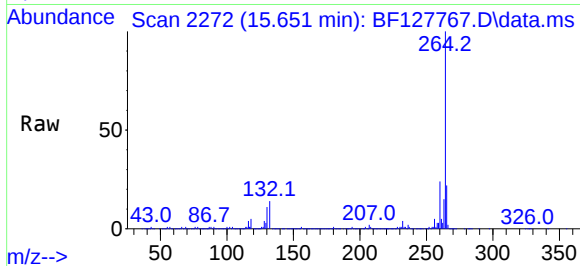
Tgt Ion:244 Resp: 1241723  
Ion Ratio Lower Upper  
244 100  
212 7.9 5.7 8.5  
122 9.1 6.2 9.2





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.651 min Scan# 2195  
Delta R.T. -0.006 min  
Lab File: BF127767.D  
Acq: 12 Apr 2022 19:31

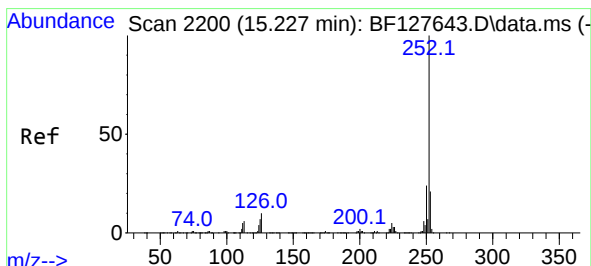
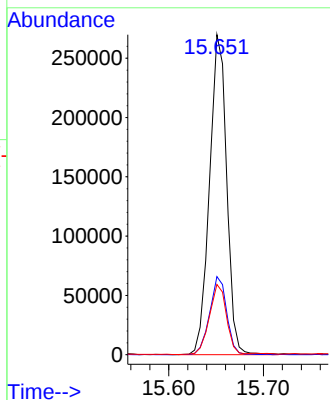
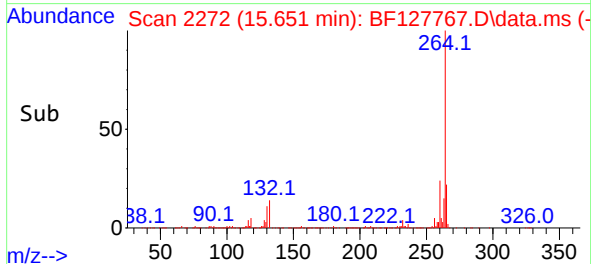
Instrument :  
BNA\_F  
ClientSampleId :  
DUP040722



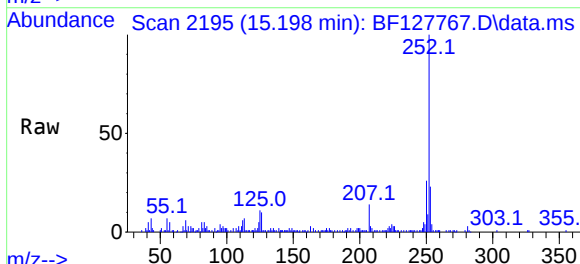
Tgt Ion:264 Resp: 33963  
Ion Ratio Lower Upper  
264 100  
260 24.4 19.1 28.7  
265 21.9 17.4 26.2

Manual Integrations  
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Reviewed By :Christian Giraldo 04/13/2022  
Supervised By :Jagrut Upadhyay 04/13/2022



#88  
Benzo(b)fluoranthene  
Concen: 2.128 ng m  
RT: 15.198 min Scan# 2195  
Delta R.T. -0.006 min  
Lab File: BF127767.D  
Acq: 12 Apr 2022 19:31



Tgt Ion:252 Resp: 46490  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.9 26.9  
125 10.7 7.0 10.4#

