

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022322\  
 Data File : BF127053.D  
 Acq On : 23 Feb 2022 21:55  
 Operator : CG\JU  
 Sample : N1626-06 5X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CC-B3

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 02/24/2022  
 Supervised By : Jagrut Upadhyay 02/24/2022

Quant Time: Feb 24 02:17:58 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 24 02:10:57 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.916  | 152  | 62806    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.204  | 136  | 219438   | 20.000 | ng    | # 0.01   |
| 39) Acenaphthene-d10        | 9.963  | 164  | 89531    | 20.000 | ng    | 0.01     |
| 64) Phenanthrene-d10        | 11.451 | 188  | 132330   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12            | 14.104 | 240  | 96980    | 20.000 | ng    | # 0.02   |
| 86) Perylene-d12            | 15.615 | 264  | 75150    | 20.000 | ng    | 0.03     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.540  | 112  | 16798    | 4.134  | ng    | 0.01     |
| 7) Phenol-d6                | 6.540  | 99   | 45130    | 8.231  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.475  | 82   | 68290    | 14.047 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.751 | 330  | 3164     | 3.069  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.275  | 172  | 108118   | 17.778 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.039 | 244  | 91454    | 13.863 | ng    | 0.01     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 52) Acenaphthene            | 9.992  | 154  | 11528    | 2.075  | ng    | 93       |
| 58) Fluorene                | 10.510 | 166  | 15470    | 2.599  | ng    | 97       |
| 71) Phenanthrene            | 11.480 | 178  | 165454   | 22.338 | ng    | 99       |
| 72) Anthracene              | 11.527 | 178  | 38492    | 5.220  | ng    | 98       |
| 73) Carbazole               | 11.680 | 167  | 16673    | 2.466  | ng    | # 92     |
| 75) Fluoranthene            | 12.674 | 202  | 205887   | 29.275 | ng    | 90       |
| 78) Pyrene                  | 12.904 | 202  | 165157   | 19.602 | ng    | 98       |
| 81) Benzo(a)anthracene      | 14.092 | 228  | 80854    | 12.367 | ng    | 98       |
| 83) Chrysene                | 14.133 | 228  | 68326    | 11.113 | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene  | 17.151 | 276  | 29999    | 6.088  | ng    | # 84     |
| 88) Benzo(b)fluoranthene    | 15.168 | 252  | 79390m   | 15.729 | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.192 | 252  | 23928m   | 4.915  | ng    |          |
| 90) Benzo(a)pyrene          | 15.551 | 252  | 50978    | 12.930 | ng    | # 69     |
| 92) Benzo(g,h,i)perylene    | 17.615 | 276  | 27245    | 6.781  | ng    | # 88     |
| -----                       |        |      |          |        |       |          |

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

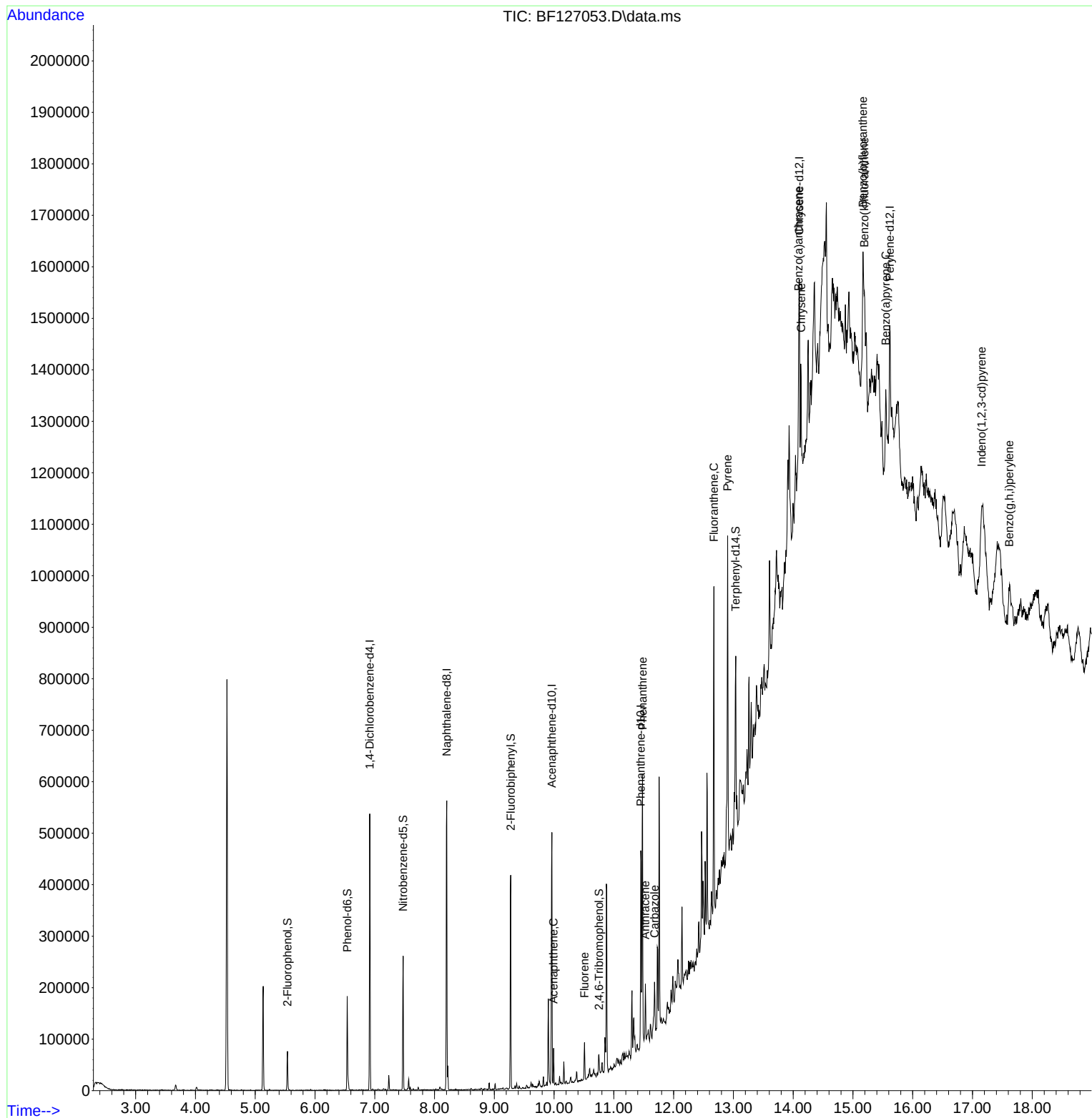
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022322\  
Data File : BF127053.D  
Acq On : 23 Feb 2022 21:55  
Operator : CG\JU  
Sample : N1626-06 5X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

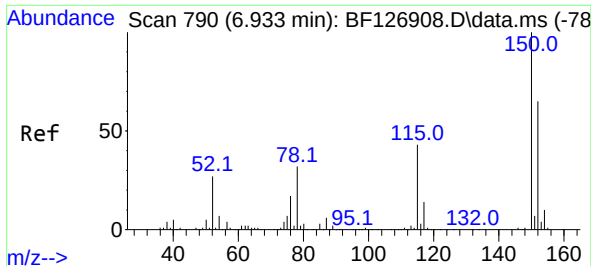
Instrument :  
BNA\_F  
ClientSampleId :  
CC-B3

Quant Time: Feb 24 02:17:58 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Feb 24 02:10:57 2022  
Response via : Initial Calibration

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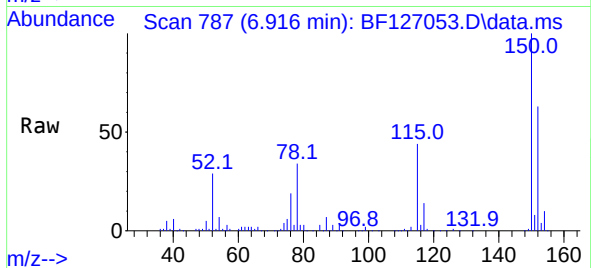
Reviewed By : Christian Giraldo 02/24/2022  
Supervised By : Jagrut Upadhyay 02/24/2022





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.916 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: BF127053.D  
Acq: 23 Feb 2022 21:55

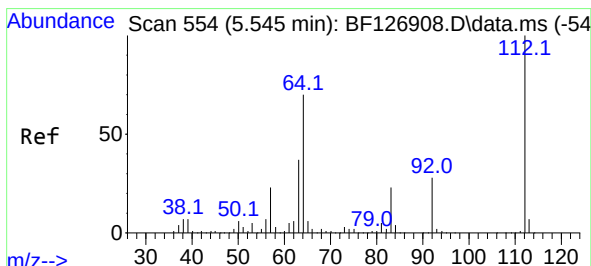
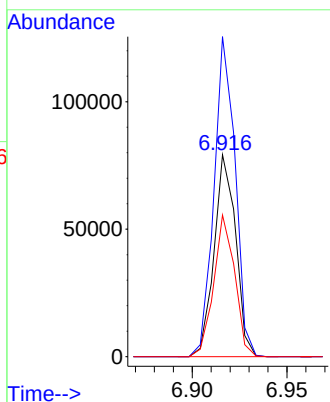
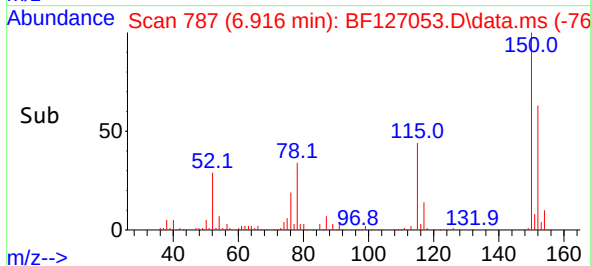
Instrument :  
BNA\_F  
ClientSampleId :  
CC-B3



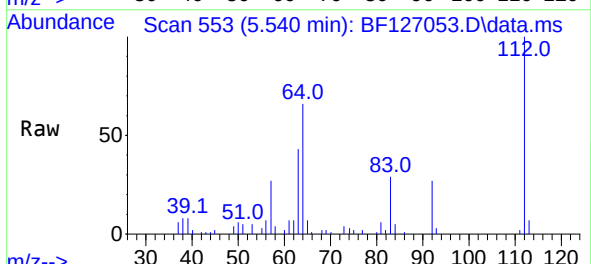
Tgt Ion:152 Resp: 62800  
Ion Ratio Lower Upper  
152 100  
150 158.4 128.1 192.1  
115 70.2 56.7 85.1

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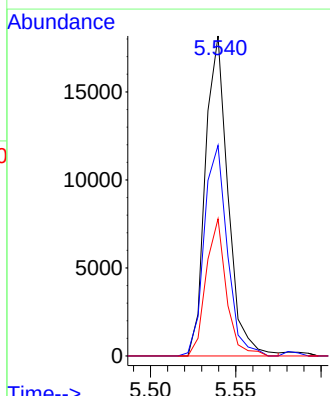
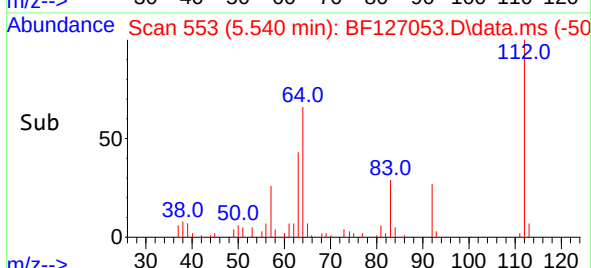
Reviewed By :Christian Giraldo 02/24/2022  
Supervised By :Jagrut Upadhyay 02/24/2022

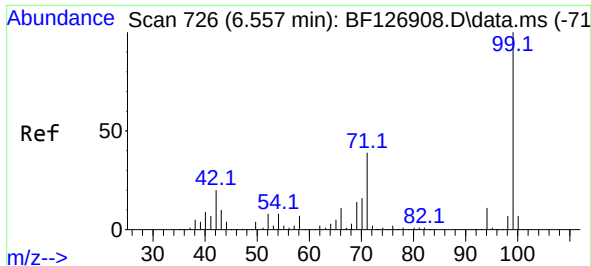


#5  
2-Fluorophenol  
Concen: 4.134 ng  
RT: 5.540 min Scan# 553  
Delta R.T. 0.012 min  
Lab File: BF127053.D  
Acq: 23 Feb 2022 21:55



Tgt Ion:112 Resp: 16798  
Ion Ratio Lower Upper  
112 100  
64 65.8 49.5 74.3  
63 42.9 23.9 35.9#





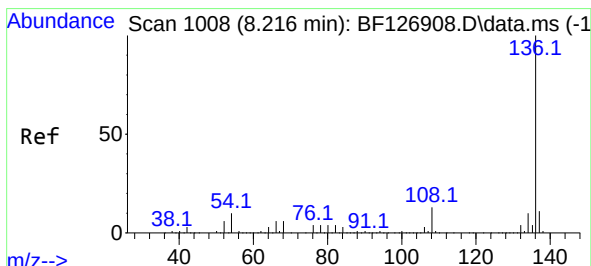
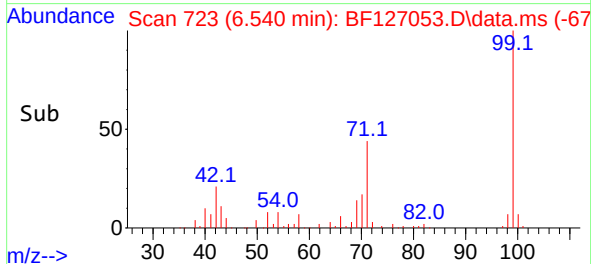
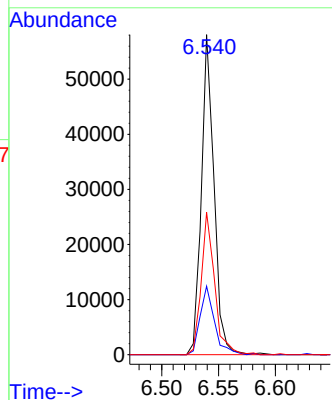
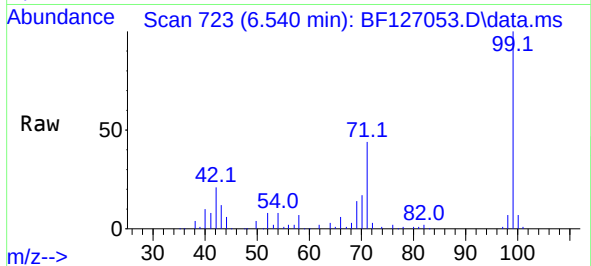
#7  
Phenol-d6  
Concen: 8.231 ng  
RT: 6.540 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF127053.D  
Acq: 23 Feb 2022 21:55

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Tgt Ion: 99 Resp: 45130  
Ion Ratio Lower Upper  
99 100  
42 21.4 14.2 21.4#  
71 44.5 24.3 36.5#

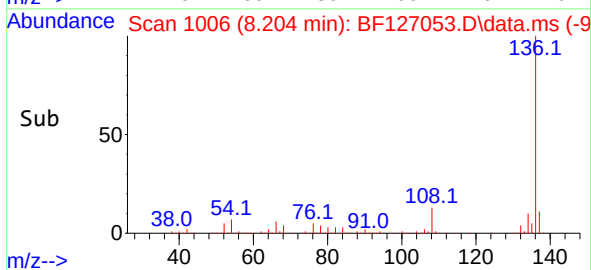
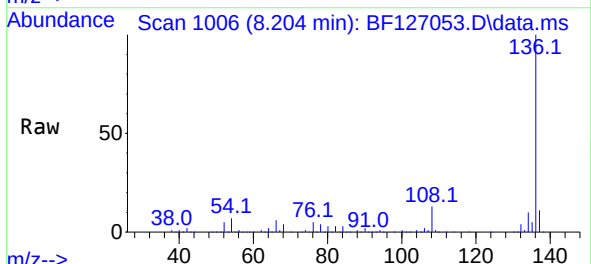
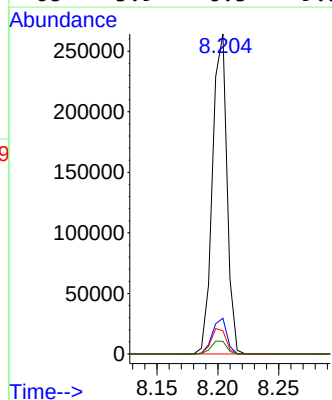
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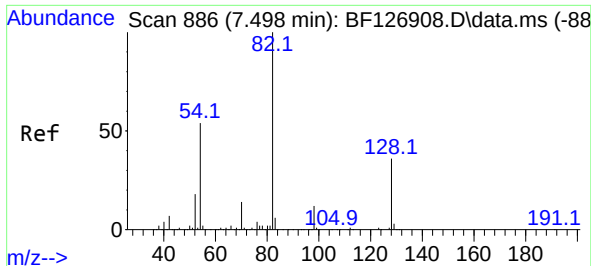
Reviewed By :Christian Giraldo 02/24/2022  
Supervised By :Jagrut Upadhyay 02/24/2022



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.204 min Scan# 1006  
Delta R.T. 0.012 min  
Lab File: BF127053.D  
Acq: 23 Feb 2022 21:55

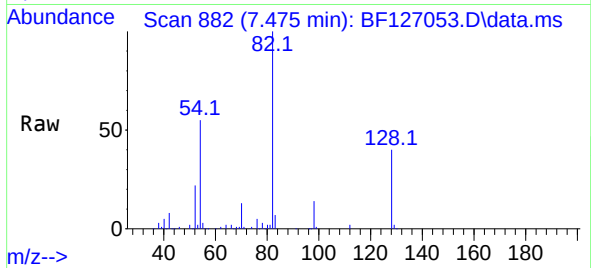
Tgt Ion:136 Resp: 219438  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.6 13.0  
54 7.3 7.8 11.6#  
68 3.9 6.3 9.5#





#23  
Nitrobenzene-d5  
Concen: 14.047 ng  
RT: 7.475 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: BF127053.D  
Acq: 23 Feb 2022 21:55

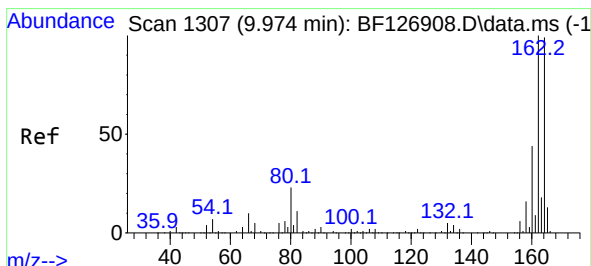
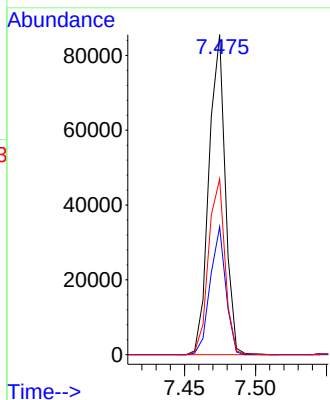
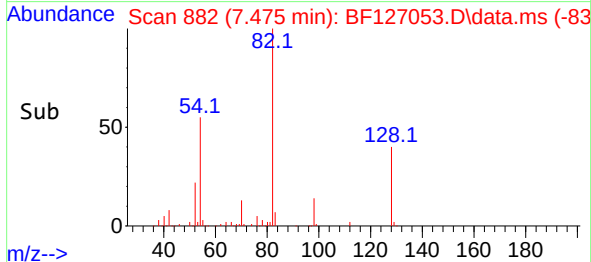
Instrument :  
BNA\_F  
ClientSampleId :  
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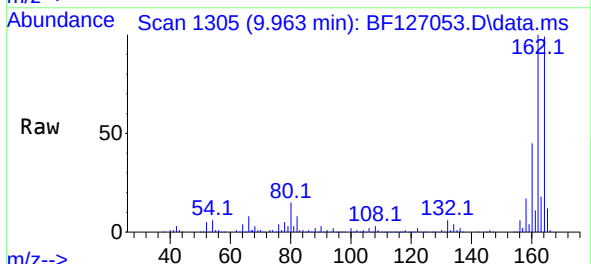
Tgt Ion: 82 Resp: 68290  
Ion Ratio Lower Upper  
82 100  
128 39.9 32.7 49.1  
54 54.9 41.7 62.5

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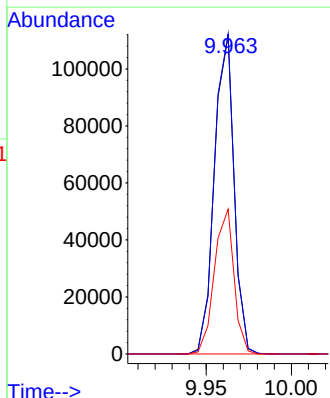
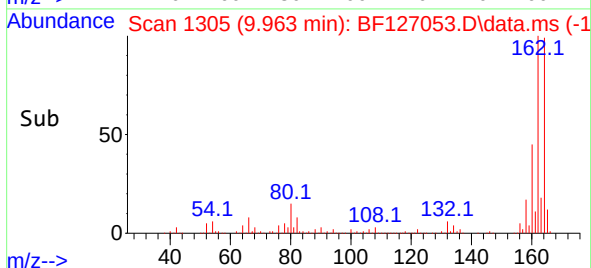
Reviewed By :Christian Giraldo 02/24/2022  
Supervised By :Jagrut Upadhyay 02/24/2022

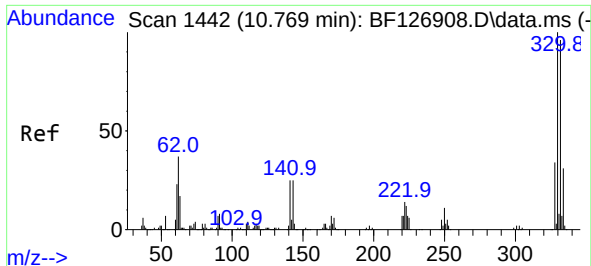


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.963 min Scan# 1305  
Delta R.T. 0.012 min  
Lab File: BF127053.D  
Acq: 23 Feb 2022 21:55



Tgt Ion:164 Resp: 89531  
Ion Ratio Lower Upper  
164 100  
162 100.7 81.4 122.0  
160 45.6 36.6 54.8





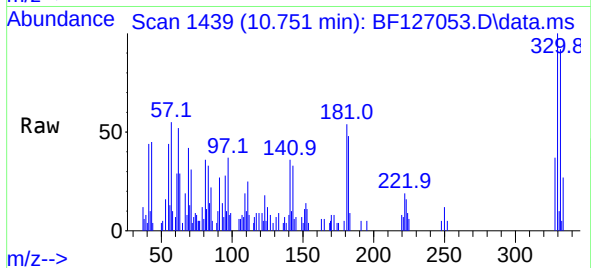
#42  
2,4,6-Tribromophenol  
Concen: 3.069 ng  
RT: 10.751 min Scan# 1442  
Delta R.T. 0.006 min  
Lab File: BF127053.D  
Acq: 23 Feb 2022 21:55

Instrument :

BNA\_F

ClientSampleId :

CC-B3

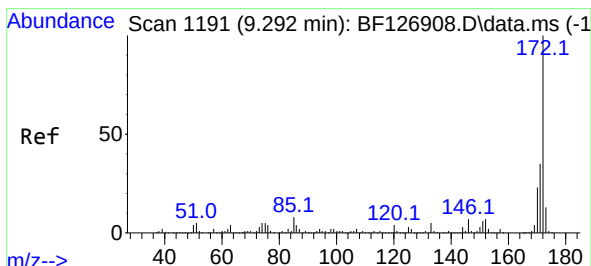
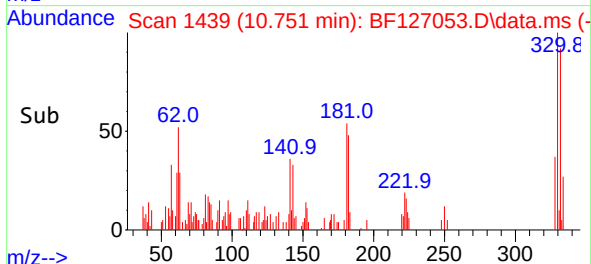
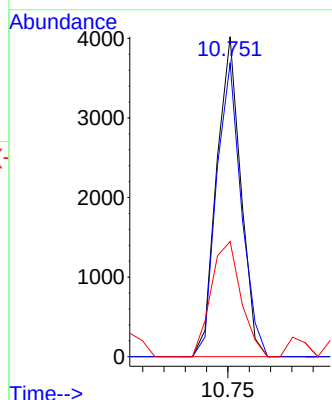


Tgt Ion: 330 Resp: 3164  
Ion Ratio Lower Upper  
330 100  
332 94.5 76.0 114.0  
141 44.8 30.1 45.1

Manual Integrations

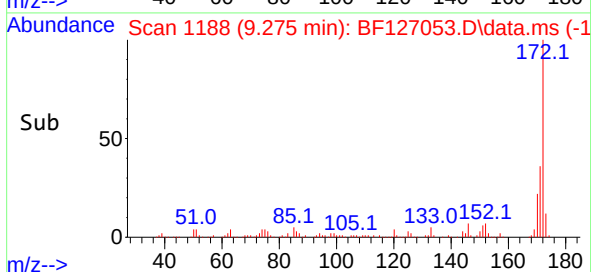
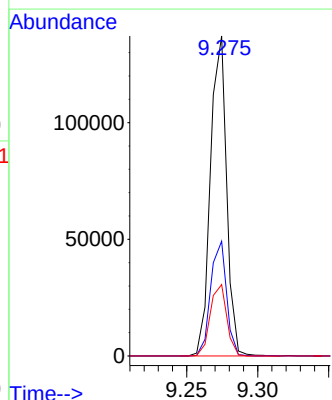
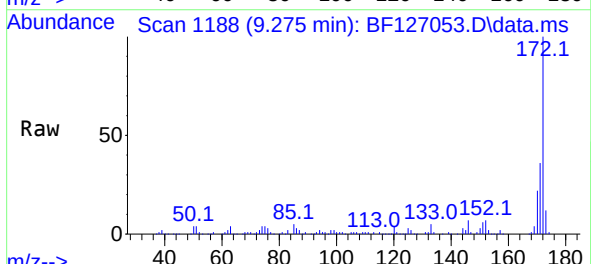
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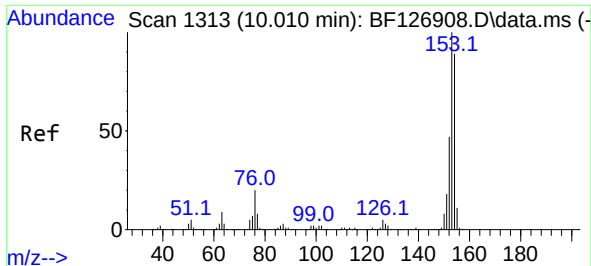
Reviewed By : Christian Giraldo 02/24/2022  
Supervised By : Jagrut Upadhyay 02/24/2022



#45  
2-Fluorobiphenyl  
Concen: 17.778 ng  
RT: 9.275 min Scan# 1188  
Delta R.T. 0.006 min  
Lab File: BF127053.D  
Acq: 23 Feb 2022 21:55

Tgt Ion: 172 Resp: 108118  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.3 42.5  
170 22.3 19.0 28.6





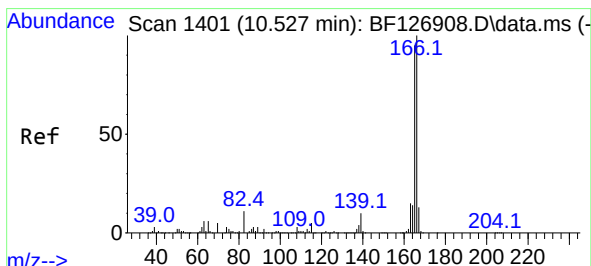
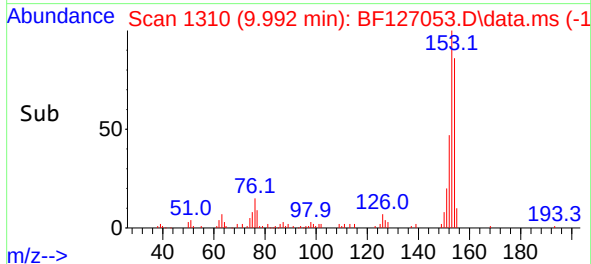
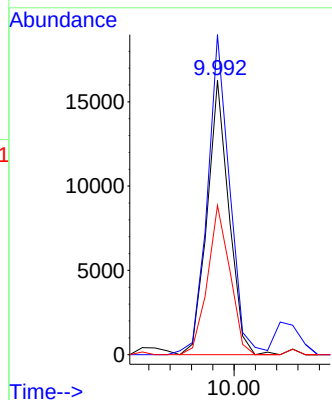
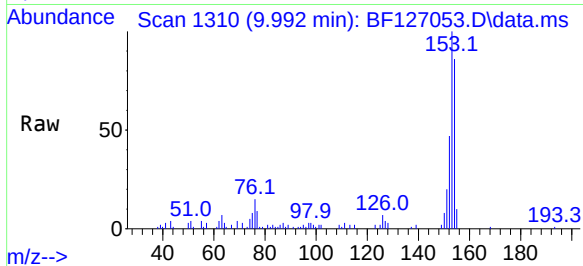
#52  
Acenaphthene  
Concen: 2.075 ng  
RT: 9.992 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF127053.D  
Acq: 23 Feb 2022 21:55

Instrument :  
BNA\_F  
ClientSampleId :  
CC-B3

Tgt Ion:154 Resp: 11528  
Ion Ratio Lower Upper  
154 100  
153 116.6 87.8 131.6  
152 54.4 39.4 59.2

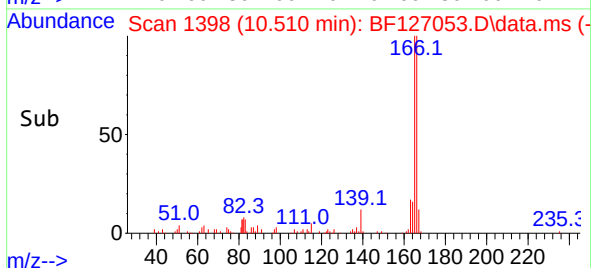
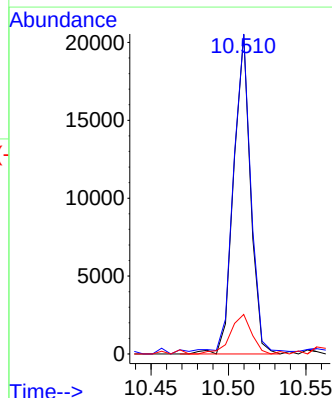
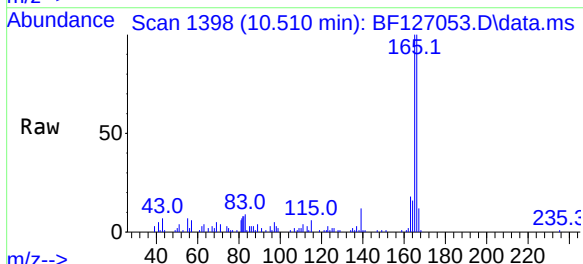
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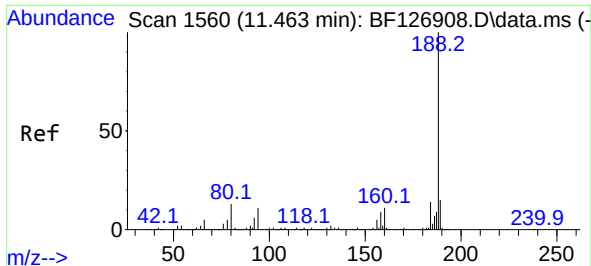
Reviewed By :Christian Giraldo 02/24/2022  
Supervised By :Jagrut Upadhyay 02/24/2022



#58  
Fluorene  
Concen: 2.599 ng  
RT: 10.510 min Scan# 1398  
Delta R.T. 0.006 min  
Lab File: BF127053.D  
Acq: 23 Feb 2022 21:55

Tgt Ion:166 Resp: 15470  
Ion Ratio Lower Upper  
166 100  
165 100.2 77.7 116.5  
167 12.4 10.7 16.1





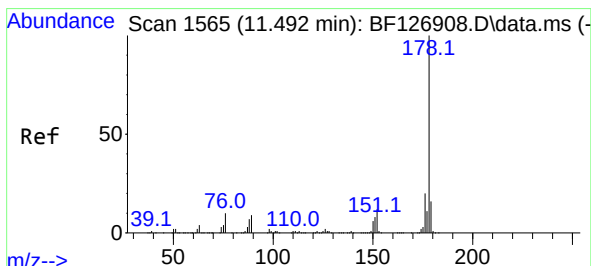
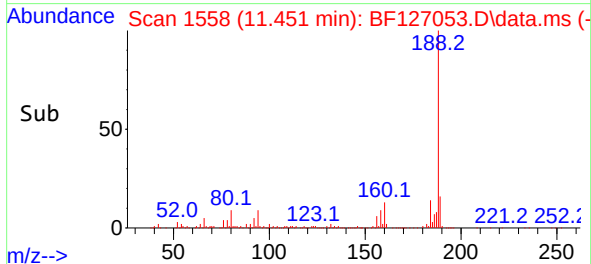
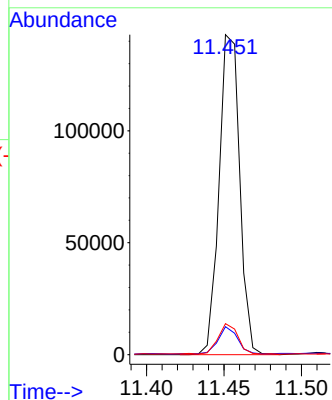
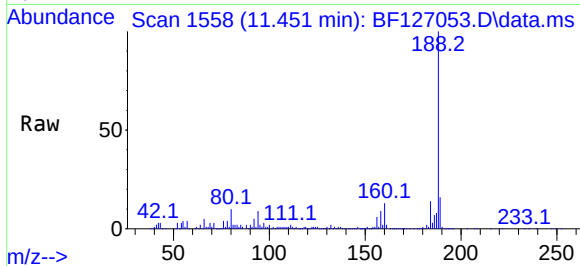
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.451 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF127053.D  
Acq: 23 Feb 2022 21:55

Instrument :  
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CC-B3

Tgt Ion:188 Resp: 132330  
Ion Ratio Lower Upper  
188 100  
94 8.8 10.1 15.1  
80 9.7 11.8 17.6

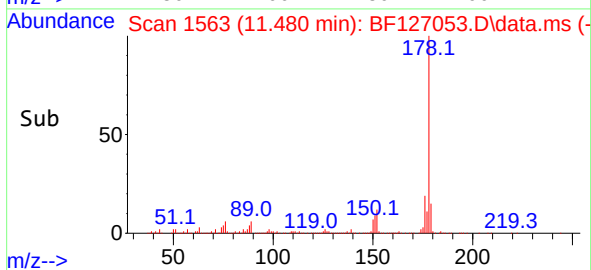
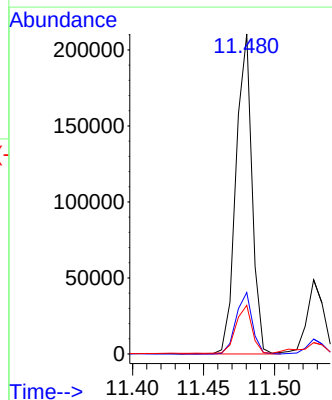
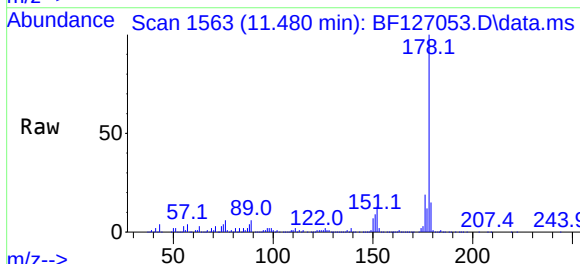
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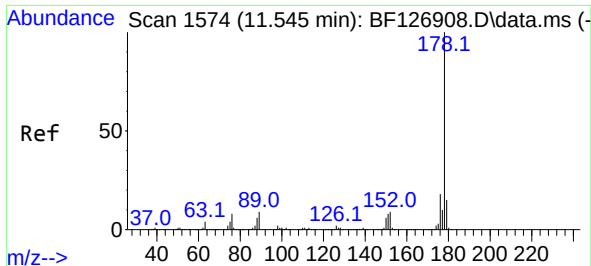


#71  
Phenanthrene  
Concen: 22.338 ng  
RT: 11.480 min Scan# 1563  
Delta R.T. 0.012 min  
Lab File: BF127053.D  
Acq: 23 Feb 2022 21:55

Tgt Ion:178 Resp: 165454  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.7 23.5  
179 15.2 12.3 18.5







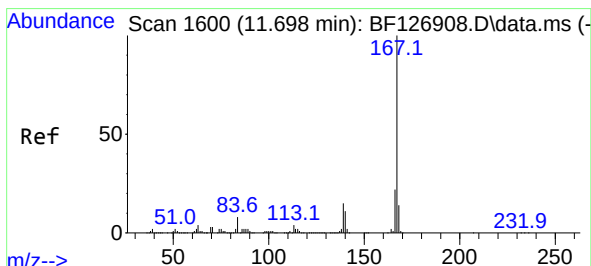
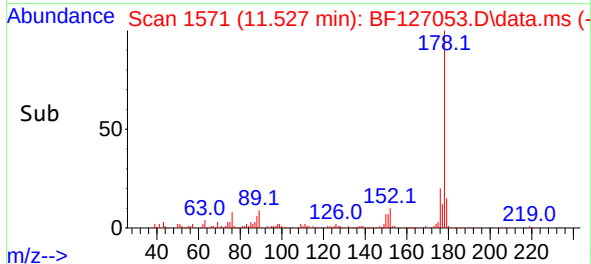
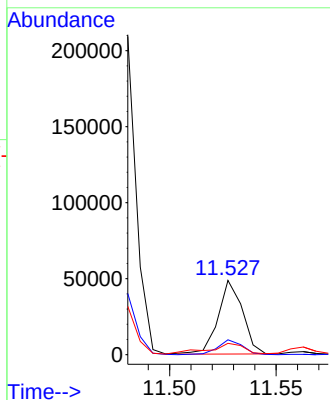
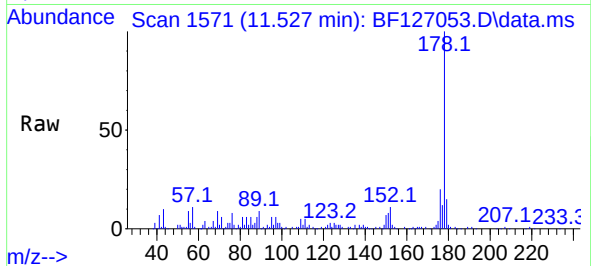
#72  
 Anthracene  
 Concen: 5.220 ng  
 RT: 11.527 min Scan# 1159  
 Delta R.T. 0.006 min  
 Lab File: BF127053.D  
 Acq: 23 Feb 2022 21:55

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CC-B3

Tgt Ion:178 Resp: 3849  
 Ion Ratio Lower Upper  
 178 100  
 176 20.1 15.0 22.6  
 179 15.2 12.5 18.7

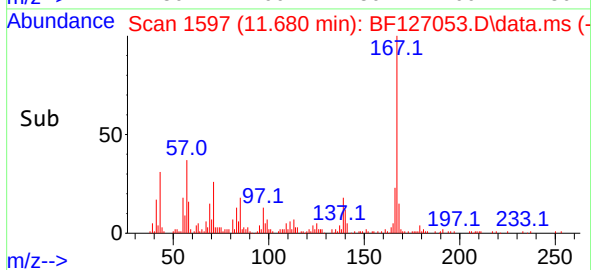
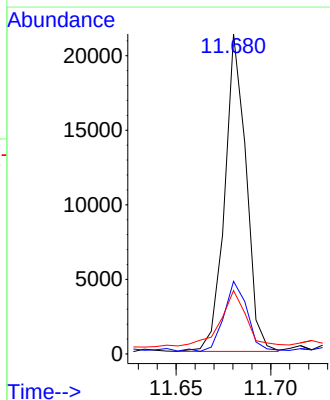
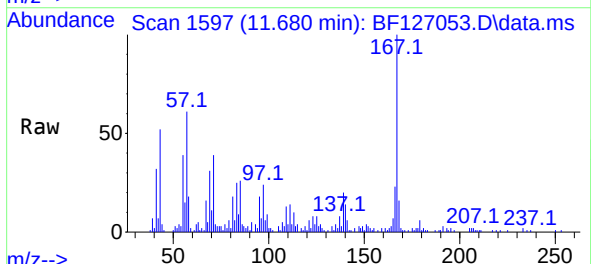
Manual Integrations  
 APPROVED

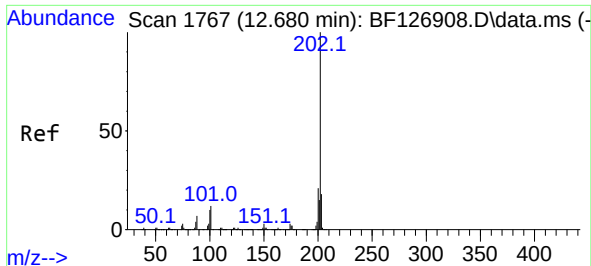
Reviewed By :Christian Giraldo 02/24/2022  
 Supervised By :Jagrut Upadhyay 02/24/2022



#73  
 Carbazole  
 Concen: 2.466 ng  
 RT: 11.680 min Scan# 1597  
 Delta R.T. 0.006 min  
 Lab File: BF127053.D  
 Acq: 23 Feb 2022 21:55

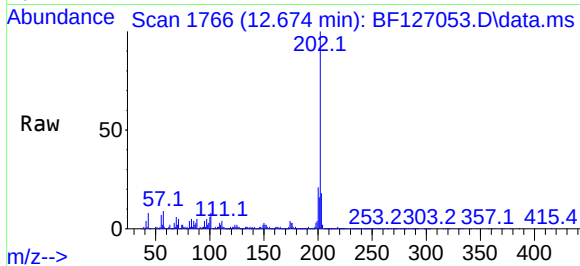
Tgt Ion:167 Resp: 16673  
 Ion Ratio Lower Upper  
 167 100  
 166 22.7 16.9 25.3  
 139 19.8 11.3 16.9#





#75  
Fluoranthene  
Concen: 29.275 ng  
RT: 12.674 min Scan# 1  
Delta R.T. 0.018 min  
Lab File: BF127053.D  
Acq: 23 Feb 2022 21:55

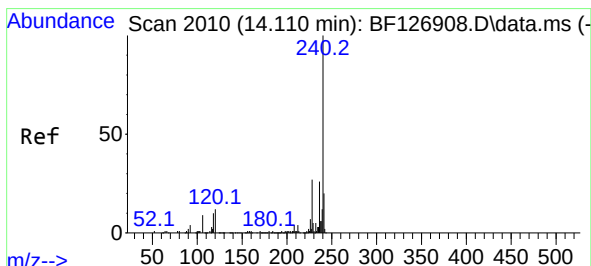
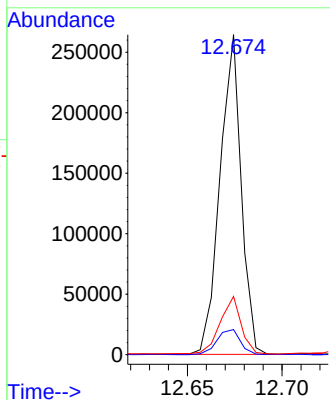
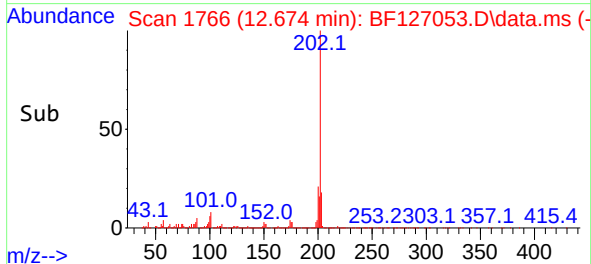
Instrument :  
BNA\_F  
ClientSampleId :  
CC-B3



Tgt Ion:202 Resp: 20588  
Ion Ratio Lower Upper  
202 100  
101 7.9 0.0 35.7  
203 18.2 0.0 37.1

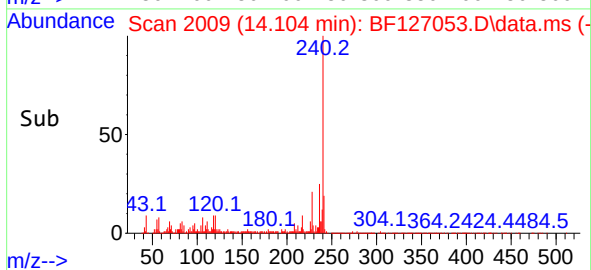
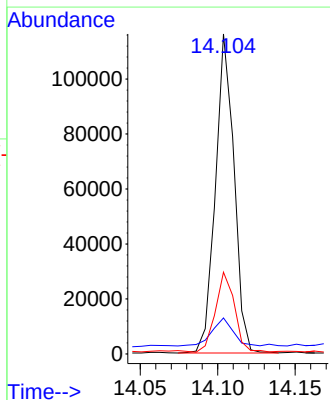
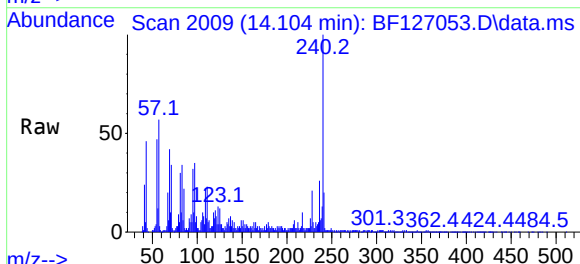
Manual Integrations  
APPROVED

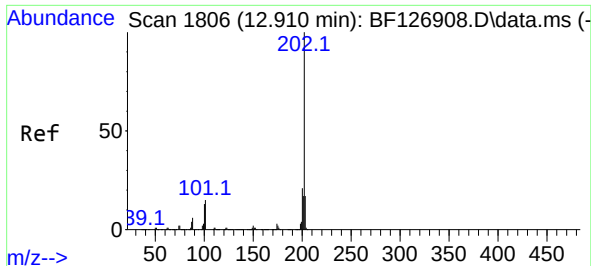
Reviewed By :Christian Giraldo 02/24/2022  
Supervised By :Jagrut Upadhyay 02/24/2022



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.104 min Scan# 2009  
Delta R.T. 0.018 min  
Lab File: BF127053.D  
Acq: 23 Feb 2022 21:55

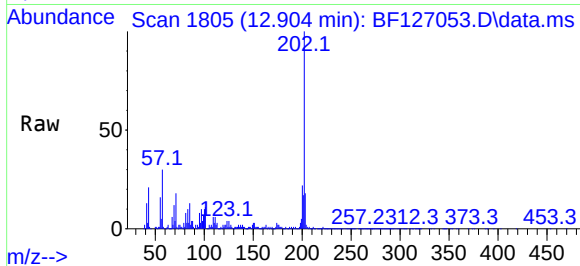
Tgt Ion:240 Resp: 96980  
Ion Ratio Lower Upper  
240 100  
120 11.2 14.4 21.6#  
236 25.6 20.5 30.7





#78  
Pyrene  
Concen: 19.602 ng  
RT: 12.904 min Scan# 1805  
Delta R.T. 0.012 min  
Lab File: BF127053.D  
Acq: 23 Feb 2022 21:55

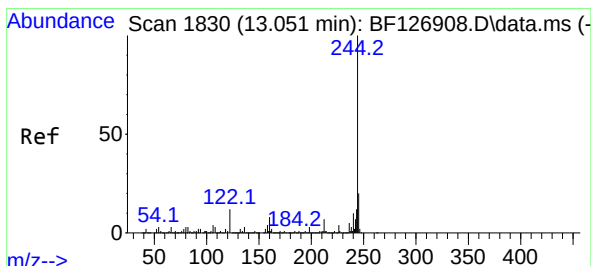
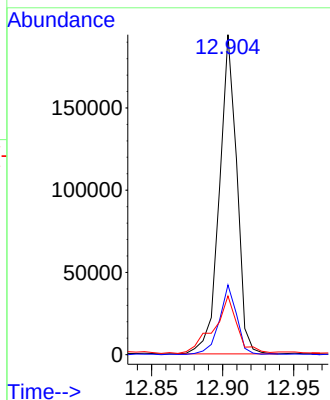
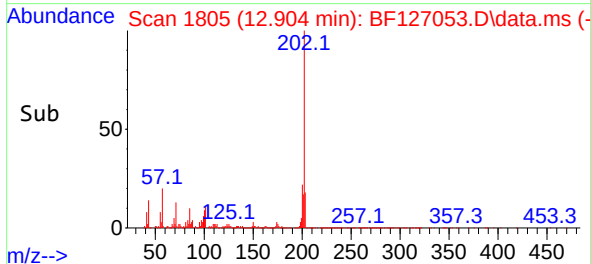
Instrument :  
BNA\_F  
ClientSampleId :  
CC-B3



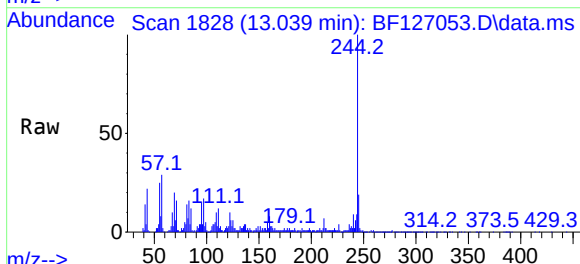
Tgt Ion:202 Resp: 16515  
Ion Ratio Lower Upper  
202 100  
200 21.8 16.6 24.8  
203 18.4 13.8 20.8

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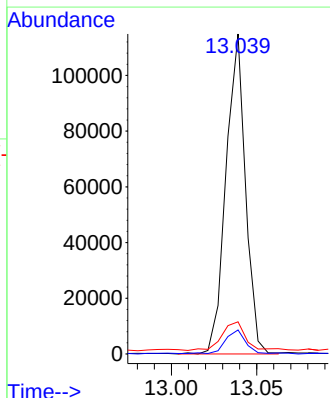
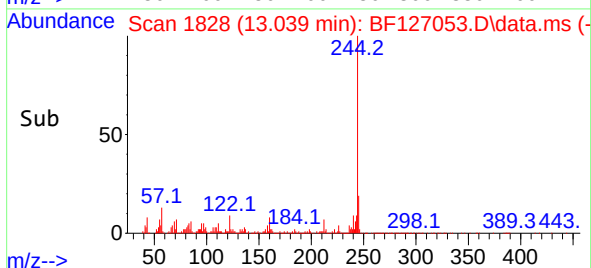
Reviewed By :Christian Giraldo 02/24/2022  
Supervised By :Jagrut Upadhyay 02/24/2022

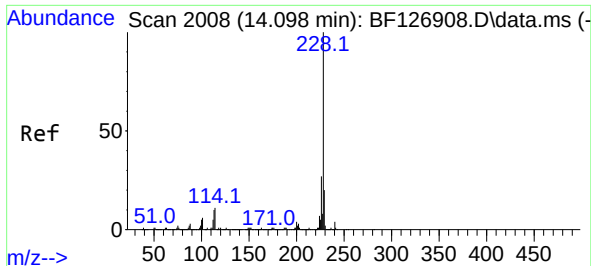


#79  
Terphenyl-d14  
Concen: 13.863 ng  
RT: 13.039 min Scan# 1828  
Delta R.T. 0.012 min  
Lab File: BF127053.D  
Acq: 23 Feb 2022 21:55



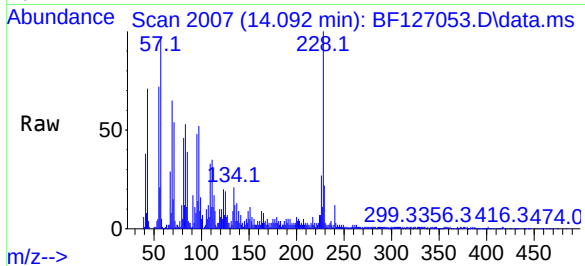
Tgt Ion:244 Resp: 91454  
Ion Ratio Lower Upper  
244 100  
212 7.5 5.0 7.4#  
122 10.0 13.3 19.9#





#81  
Benzo(a)anthracene  
Concen: 12.367 ng  
RT: 14.092 min Scan# 2014  
Delta R.T. 0.012 min  
Lab File: BF127053.D  
Acq: 23 Feb 2022 21:55

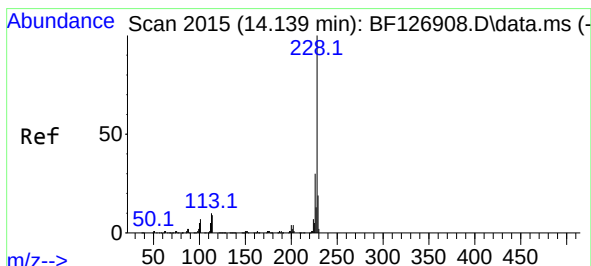
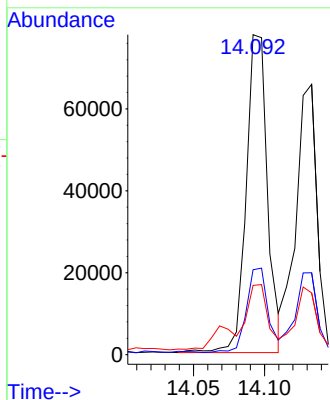
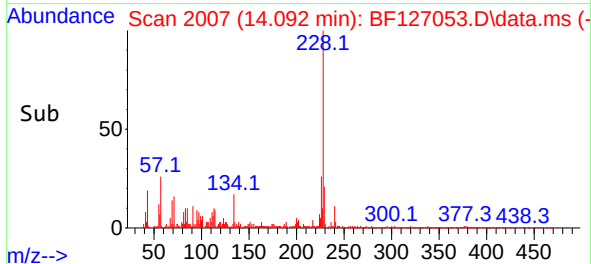
Instrument :  
BNA\_F  
ClientSampleId :  
CC-B3



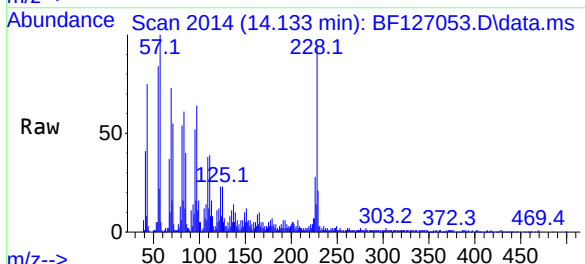
Tgt Ion:228 Resp: 80854  
Ion Ratio Lower Upper  
228 100  
226 26.6 21.4 32.0  
229 21.6 15.4 23.2

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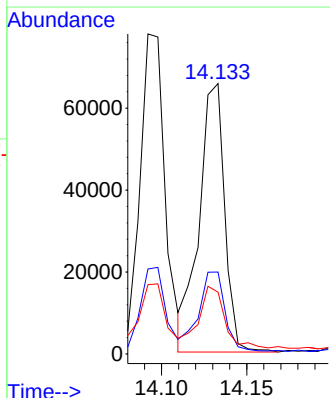
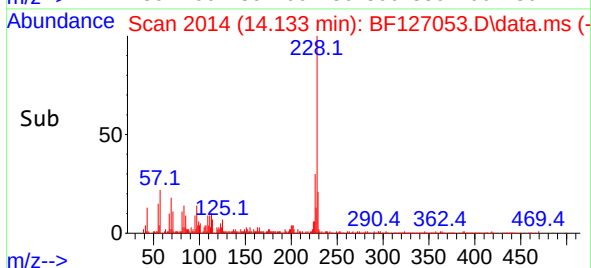
Reviewed By :Christian Giraldo 02/24/2022  
Supervised By :Jagrut Upadhyay 02/24/2022

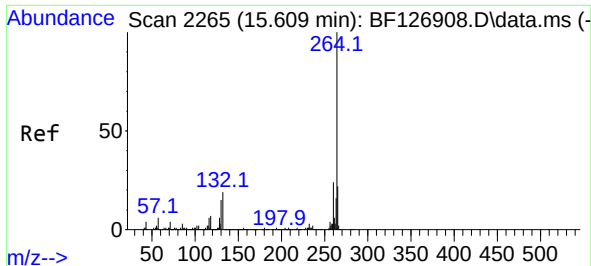


#83  
Chrysene  
Concen: 11.113 ng  
RT: 14.133 min Scan# 2014  
Delta R.T. 0.018 min  
Lab File: BF127053.D  
Acq: 23 Feb 2022 21:55



Tgt Ion:228 Resp: 68326  
Ion Ratio Lower Upper  
228 100  
226 30.3 23.7 35.5  
229 22.8 15.5 23.3





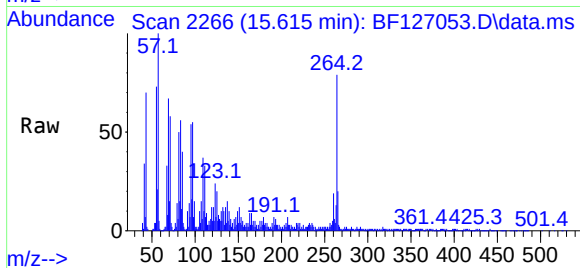
#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.615 min Scan# 21  
Delta R.T. 0.029 min  
Lab File: BF127053.D  
Acq: 23 Feb 2022 21:55

Instrument :

BNA\_F

ClientSampleId :

CC-B3

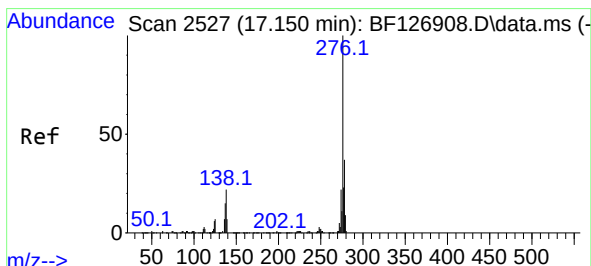
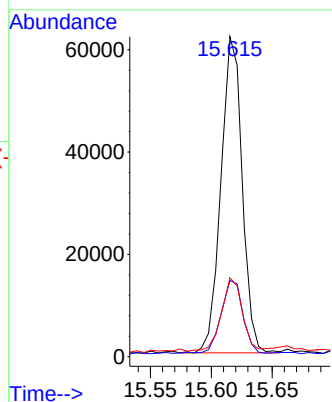
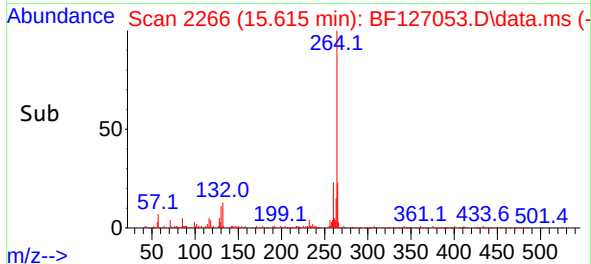


Tgt Ion:264 Resp: 75150  
Ion Ratio Lower Upper  
264 100  
260 23.8 19.2 28.8  
265 24.6 17.4 26.2

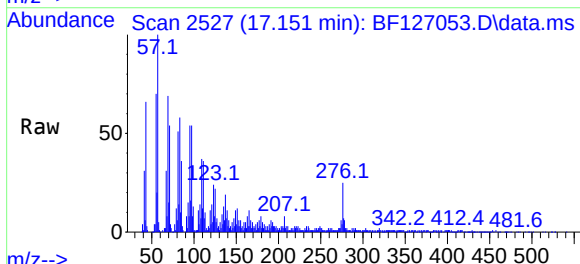
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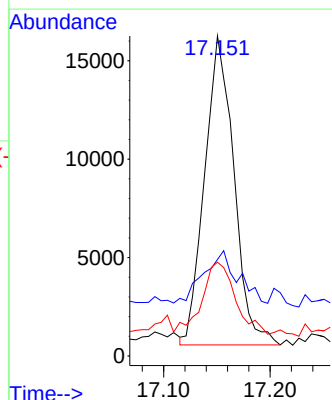
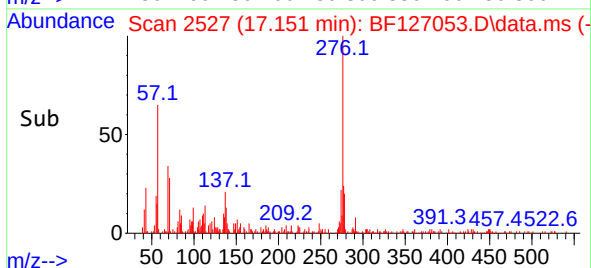
Reviewed By :Christian Giraldo 02/24/2022  
Supervised By :Jagrut Upadhyay 02/24/2022

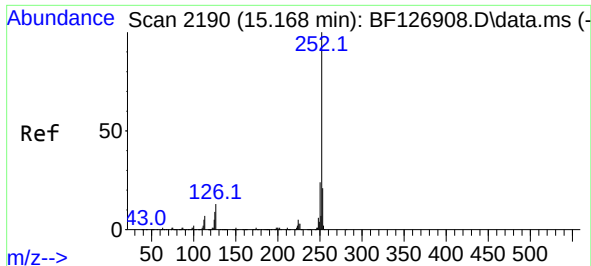


#87  
Indeno(1,2,3-cd)pyrene  
Concen: 6.088 ng  
RT: 17.151 min Scan# 2527  
Delta R.T. 0.035 min  
Lab File: BF127053.D  
Acq: 23 Feb 2022 21:55



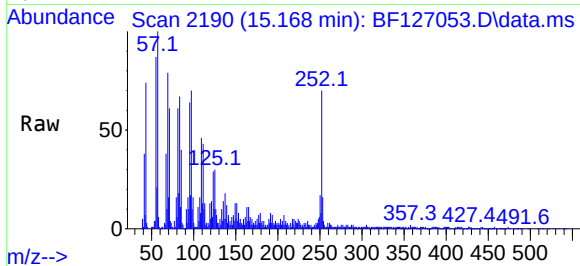
Tgt Ion:276 Resp: 29999  
Ion Ratio Lower Upper  
276 100  
138 20.5 29.2 43.8#  
277 24.3 19.8 29.8





#88  
Benzo(b)fluoranthene  
Concen: 15.729 ng m  
RT: 15.168 min Scan# 2190  
Delta R.T. 0.024 min  
Lab File: BF127053.D  
Acq: 23 Feb 2022 21:55

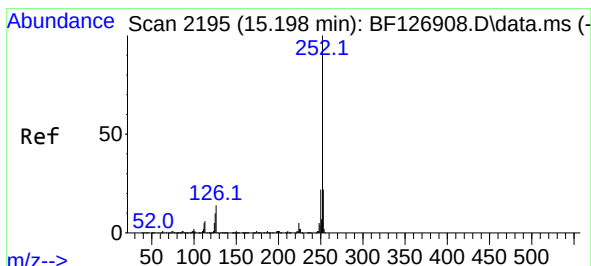
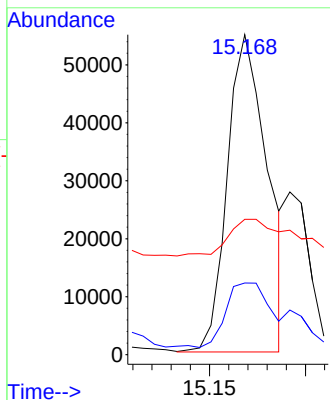
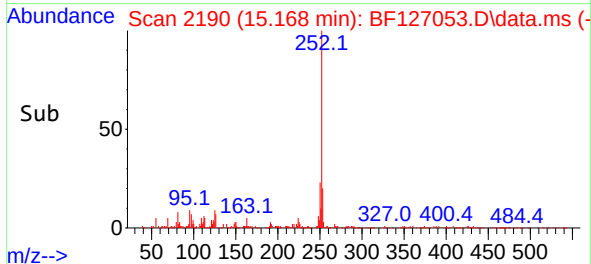
Instrument :  
BNA\_F  
ClientSampleId :  
CC-B3



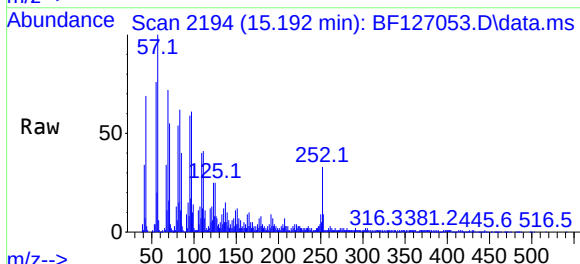
Tgt Ion:252 Resp: 79390  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.8 26.8  
125 42.3 12.4 18.6

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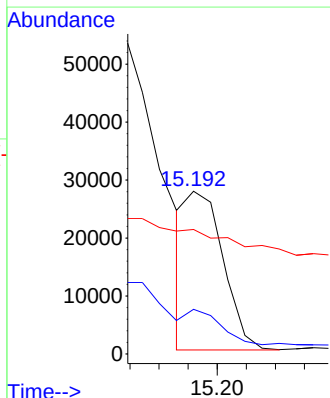
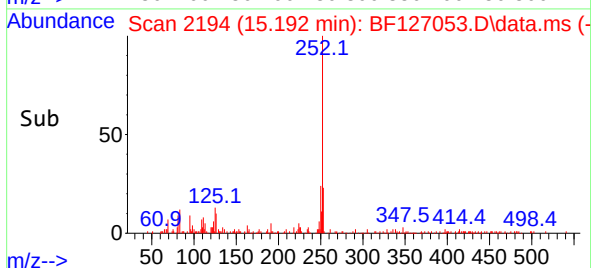
Reviewed By :Christian Giraldo 02/24/2022  
Supervised By :Jagrut Upadhyay 02/24/2022

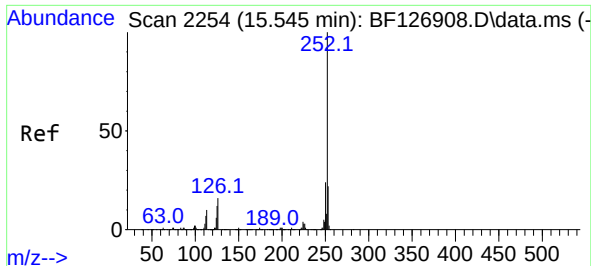


#89  
Benzo(k)fluoranthene  
Concen: 4.915 ng m  
RT: 15.192 min Scan# 2194  
Delta R.T. 0.018 min  
Lab File: BF127053.D  
Acq: 23 Feb 2022 21:55



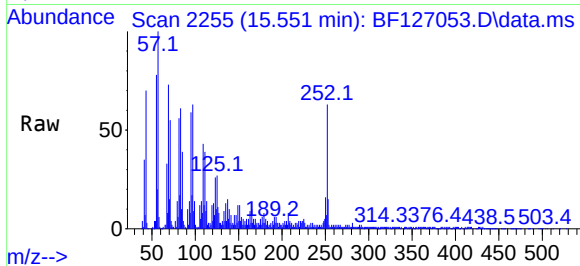
Tgt Ion:252 Resp: 23928  
Ion Ratio Lower Upper  
252 100  
253 27.5 17.5 26.3#  
125 76.5 11.8 17.6#





#90  
Benzo(a)pyrene  
Concen: 12.930 ng  
RT: 15.551 min Scan# 21  
Delta R.T. 0.029 min  
Lab File: BF127053.D  
Acq: 23 Feb 2022 21:55

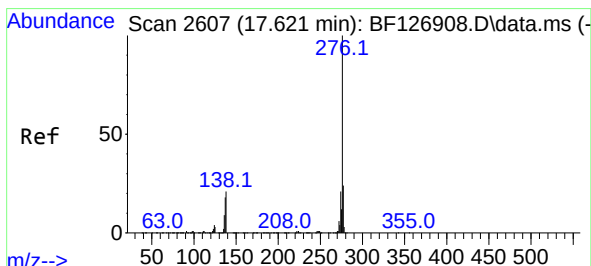
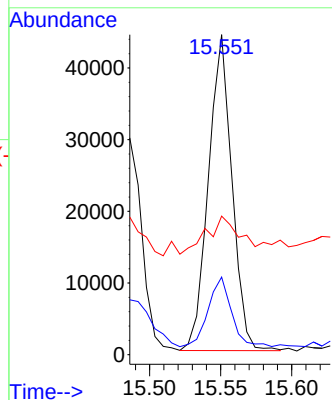
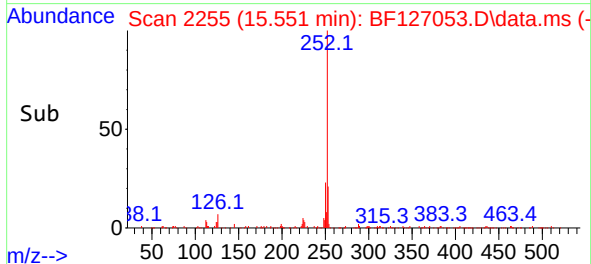
Instrument :  
BNA\_F  
ClientSampleId :  
CC-B3



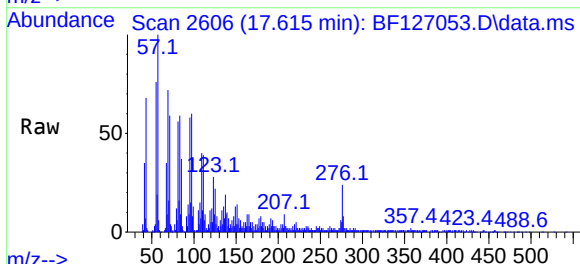
Tgt Ion:252 Resp: 50978  
Ion Ratio Lower Upper  
252 100  
253 24.2 17.1 25.7  
125 43.3 13.0 19.6

Manual Integrations  
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Reviewed By :Christian Giraldo 02/24/2022  
Supervised By :Jagrut Upadhyay 02/24/2022



#92  
Benzo(g,h,i)perylene  
Concen: 6.781 ng  
RT: 17.615 min Scan# 2606  
Delta R.T. 0.035 min  
Lab File: BF127053.D  
Acq: 23 Feb 2022 21:55



Tgt Ion:276 Resp: 27245  
Ion Ratio Lower Upper  
276 100  
277 33.8 18.5 27.7#  
138 34.8 25.9 38.9

