

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030222\  
 Data File : BF127153.D  
 Acq On : 02 Mar 2022 18:08  
 Operator : CG\JU  
 Sample : N1722-05  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUM-8

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 03/03/2022  
 Supervised By : Jagrut Upadhyay 03/03/2022

Quant Time: Mar 03 00:57:19 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 01 23:57:09 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.887  | 152  | 86235    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.169  | 136  | 348255   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 9.934  | 164  | 171645   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.422 | 188  | 276893   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12            | 14.063 | 240  | 131586   | 20.000 | ng    | #-0.01   |
| 86) Perylene-d12            | 15.557 | 264  | 160716   | 20.000 | ng    | -0.01    |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.516  | 112  | 528386   | 94.702 | ng    | 0.00     |
| 7) Phenol-d6                | 6.516  | 99   | 696860   | 92.560 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.451  | 82   | 500799   | 64.909 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.722 | 330  | 173408   | 87.746 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.251  | 172  | 796197   | 68.288 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.004 | 244  | 590573   | 65.977 | ng    | -0.01    |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 37) 2-Methylnaphthalene     | 8.887  | 142  | 28904    | 2.450  | ng    | 98       |
| 38) 1-Methylnaphthalene     | 8.987  | 142  | 28847    | 2.554  | ng    | 99       |
| 52) Acenaphthene            | 9.963  | 154  | 91444    | 8.584  | ng    | 92       |
| 55) Dibenzofuran            | 10.134 | 168  | 158692   | 10.833 | ng    | 91       |
| 58) Fluorene                | 10.481 | 166  | 187363   | 16.420 | ng    | 99       |
| 71) Phenanthrene            | 11.451 | 178  | 747209   | 48.213 | ng    | 99       |
| 72) Anthracene              | 11.498 | 178  | 59066    | 3.828  | ng    | 99       |
| 75) Fluoranthene            | 12.639 | 202  | 306302   | 20.815 | ng    | 94       |
| 78) Pyrene                  | 12.869 | 202  | 202298   | 17.696 | ng    | 99       |
| 81) Benzo(a)anthracene      | 14.057 | 228  | 44681    | 5.037  | ng    | 99       |
| 83) Chrysene                | 14.092 | 228  | 39393    | 4.722  | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 15.116 | 252  | 45636m   | 4.228  | ng    |          |
| 90) Benzo(a)pyrene          | 15.492 | 252  | 29477m   | 3.496  | ng    |          |
| -----                       |        |      |          |        |       |          |

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

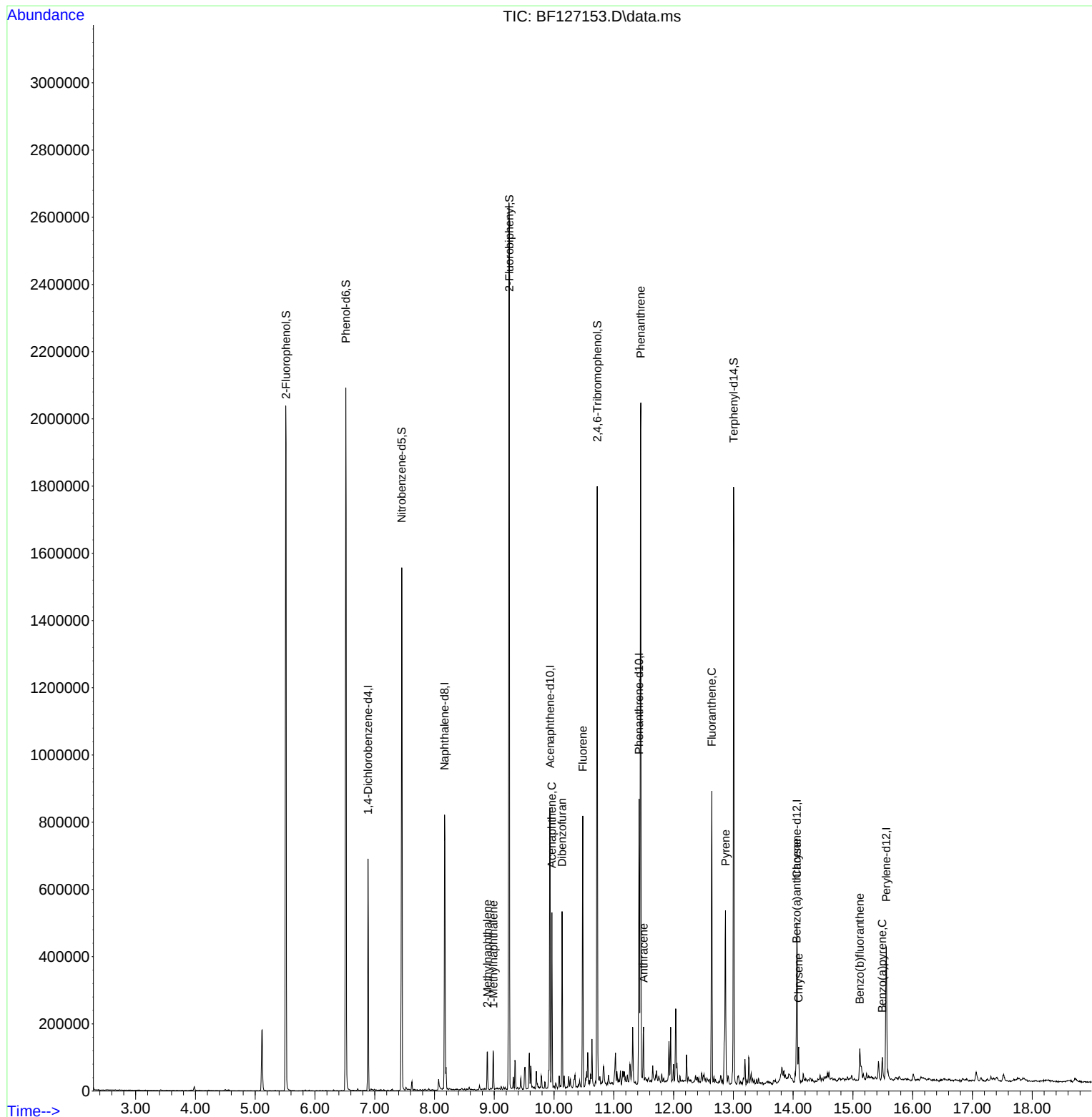
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030222\  
Data File : BF127153.D  
Acq On : 02 Mar 2022 18:08  
Operator : CG\JU  
Sample : N1722-05  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DUM-8

Manual Integrations  
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Reviewed By : Christian Giraldo 03/03/2022  
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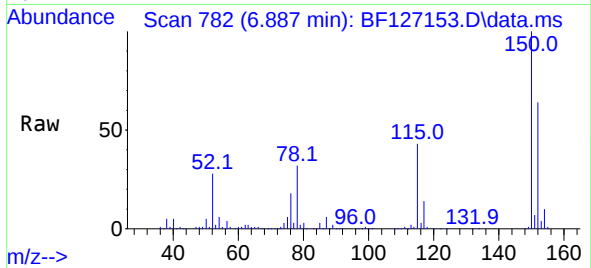
Quant Time: Mar 03 00:57:19 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Mar 01 23:57:09 2022  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF127153.D  
Acq: 02 Mar 2022 18:08

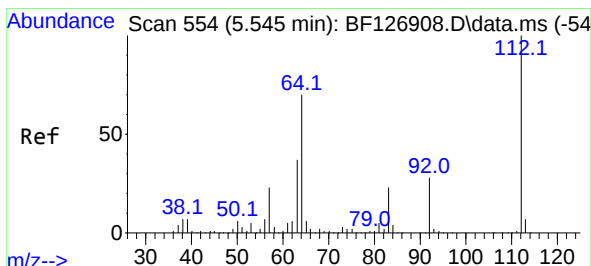
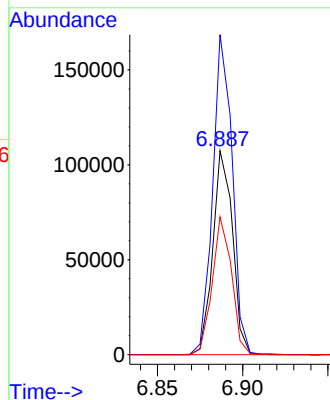
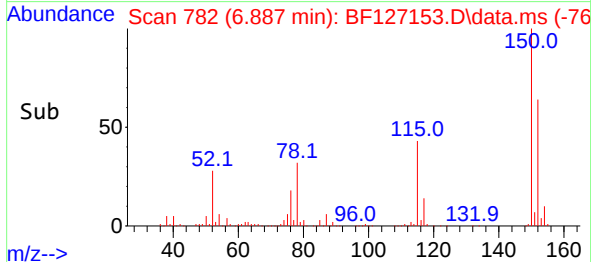
Instrument :  
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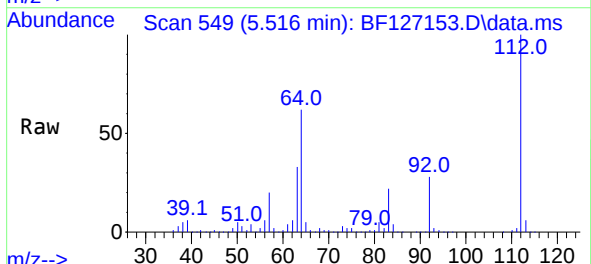
Tgt Ion:152 Resp: 86235  
Ion Ratio Lower Upper  
152 100  
150 157.0 128.1 192.1  
115 67.6 56.7 85.1

Manual Integrations  
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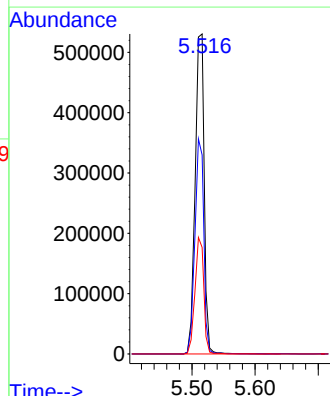
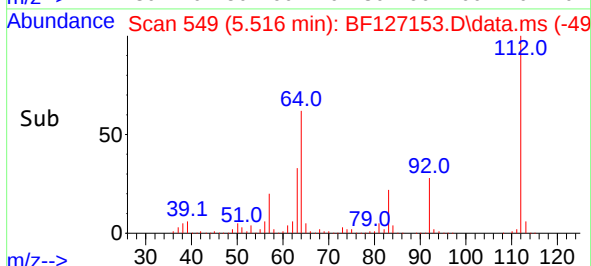
Reviewed By :Christian Giraldo 03/03/2022  
Supervised By :Jagrut Upadhyay 03/03/2022



#5  
2-Fluorophenol  
Concen: 94.702 ng  
RT: 5.516 min Scan# 549  
Delta R.T. 0.006 min  
Lab File: BF127153.D  
Acq: 02 Mar 2022 18:08



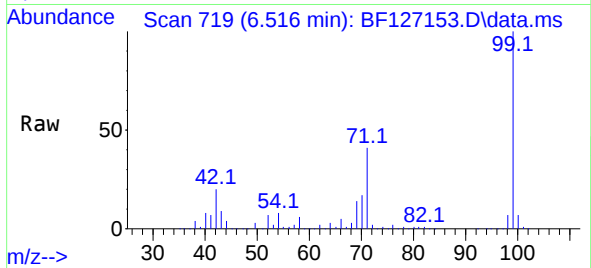
Tgt Ion:112 Resp: 528386  
Ion Ratio Lower Upper  
112 100  
64 62.2 49.5 74.3  
63 33.3 23.9 35.9





#7  
Phenol-d6  
Concen: 92.560 ng  
RT: 6.516 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF127153.D  
Acq: 02 Mar 2022 18:08

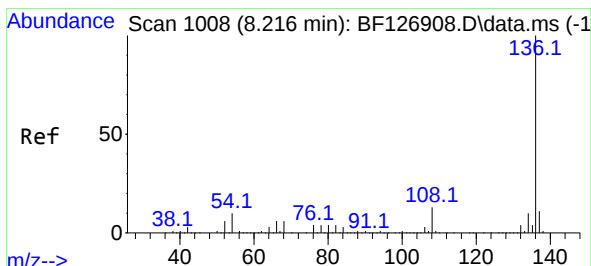
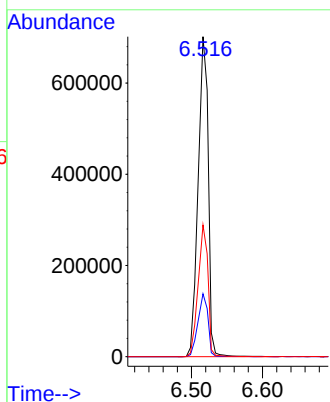
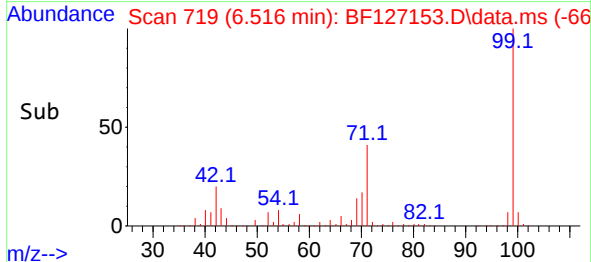
Instrument :  
BNA\_F  
ClientSampleId :  
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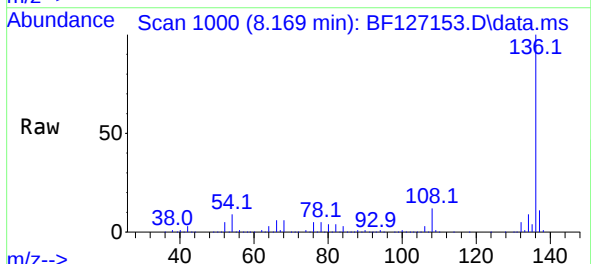
Tgt Ion: 99 Resp: 696860  
Ion Ratio Lower Upper  
99 100  
42 19.7 14.2 21.4  
71 41.1 24.3 36.5

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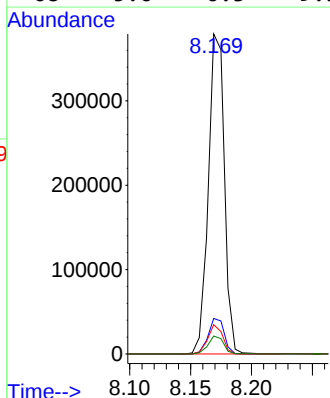
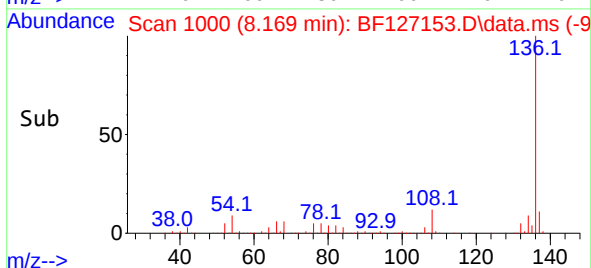
Reviewed By :Christian Giraldo 03/03/2022  
Supervised By :Jagrut Upadhyay 03/03/2022



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1000  
Delta R.T. -0.006 min  
Lab File: BF127153.D  
Acq: 02 Mar 2022 18:08



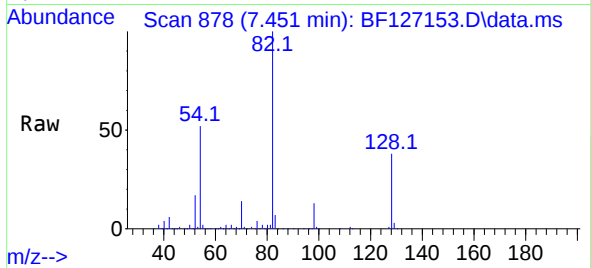
Tgt Ion:136 Resp: 348255  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.6 13.0  
54 9.1 7.8 11.6  
68 5.6 6.3 9.5





#23  
Nitrobenzene-d5  
Concen: 64.909 ng  
RT: 7.451 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF127153.D  
Acq: 02 Mar 2022 18:08

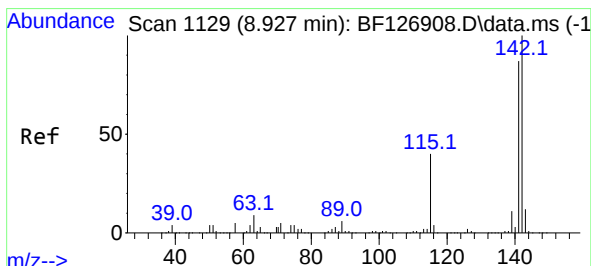
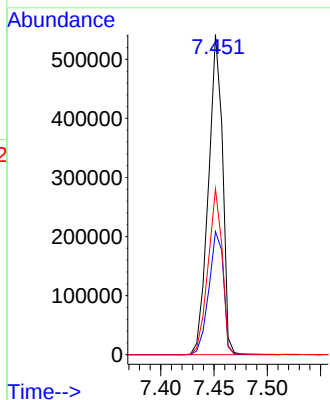
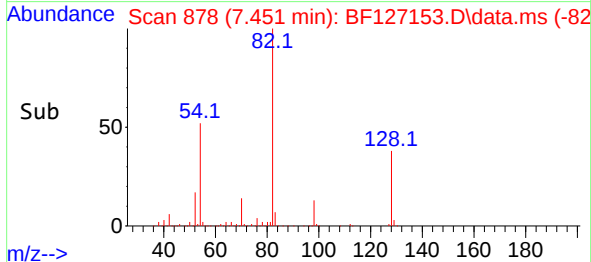
Instrument :  
BNA\_F  
ClientSampleId :  
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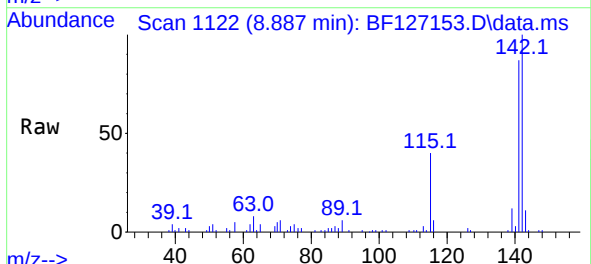
Tgt Ion: 82 Resp: 500799  
Ion Ratio Lower Upper  
82 100  
128 38.5 32.7 49.1  
54 51.8 41.7 62.5

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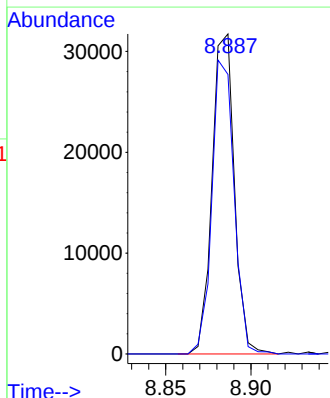
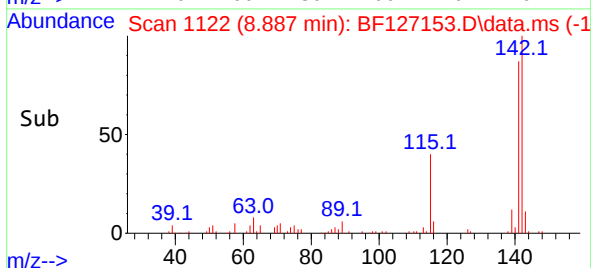
Reviewed By :Christian Giraldo 03/03/2022  
Supervised By :Jagrut Upadhyay 03/03/2022

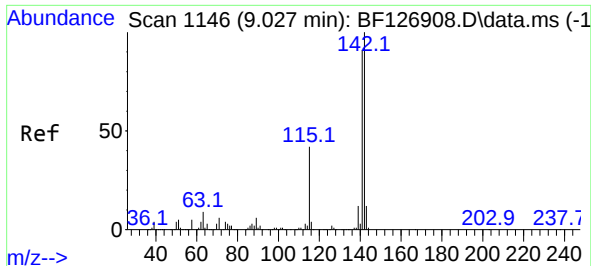


#37  
2-Methylnaphthalene  
Concen: 2.450 ng  
RT: 8.887 min Scan# 1122  
Delta R.T. -0.006 min  
Lab File: BF127153.D  
Acq: 02 Mar 2022 18:08



Tgt Ion:142 Resp: 28904  
Ion Ratio Lower Upper  
142 100  
141 87.4 68.6 102.8





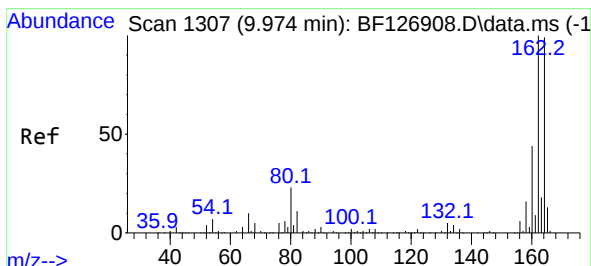
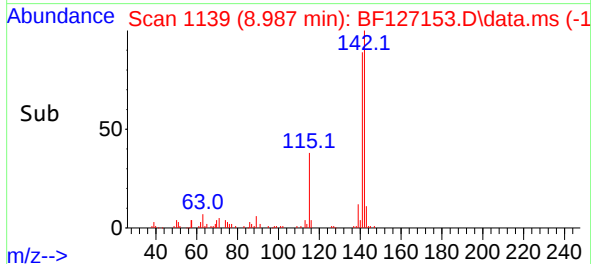
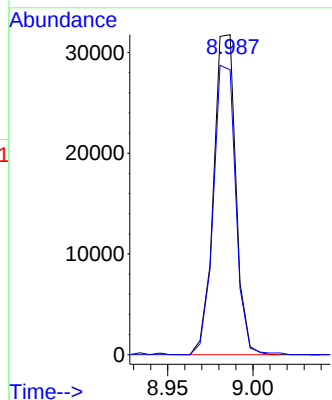
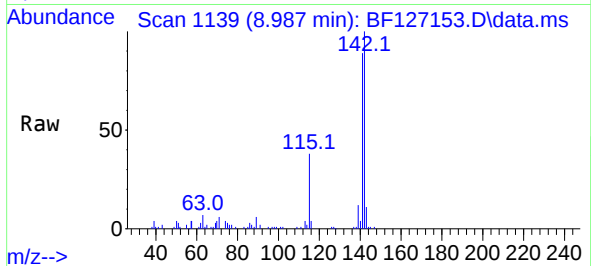
#38  
1-Methylnaphthalene  
Concen: 2.554 ng  
RT: 8.987 min Scan# 1146  
Delta R.T. -0.006 min  
Lab File: BF127153.D  
Acq: 02 Mar 2022 18:08

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:142 Resp: 2884  
Ion Ratio Lower Upper  
142 100  
141 89.1 72.1 108.1

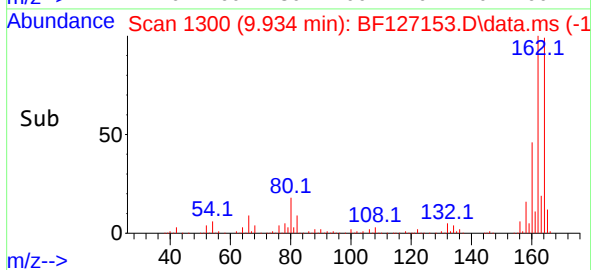
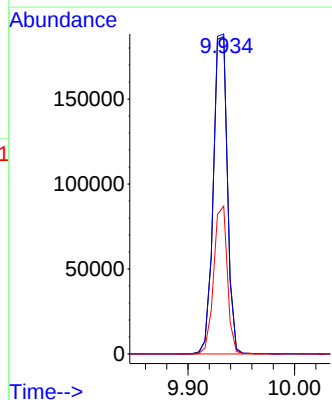
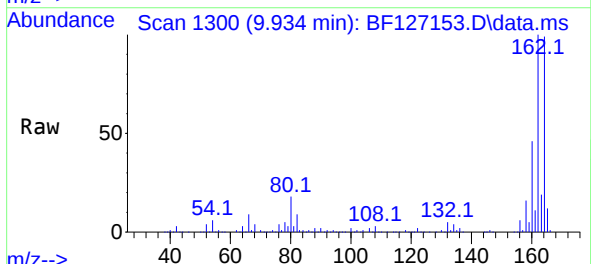
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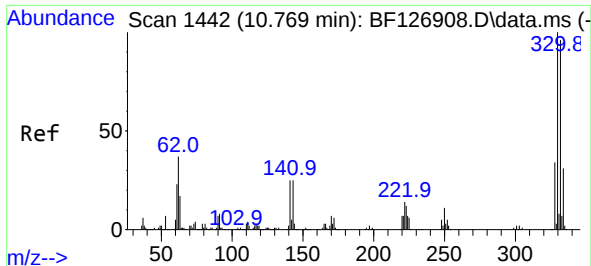
Reviewed By :Christian Giraldo 03/03/2022  
Supervised By :Jagrut Upadhyay 03/03/2022



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.934 min Scan# 1300  
Delta R.T. -0.006 min  
Lab File: BF127153.D  
Acq: 02 Mar 2022 18:08

Tgt Ion:164 Resp: 171645  
Ion Ratio Lower Upper  
164 100  
162 100.8 81.4 122.0  
160 46.6 36.6 54.8





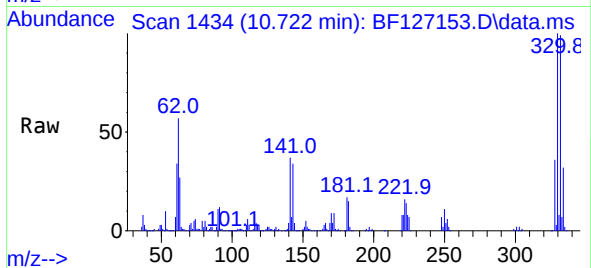
#42  
2,4,6-Tribromophenol  
Concen: 87.746 ng  
RT: 10.722 min Scan# 1442  
Delta R.T. -0.006 min  
Lab File: BF127153.D  
Acq: 02 Mar 2022 18:08

Instrument :

BNA\_F

ClientSampleId :

DUM-8

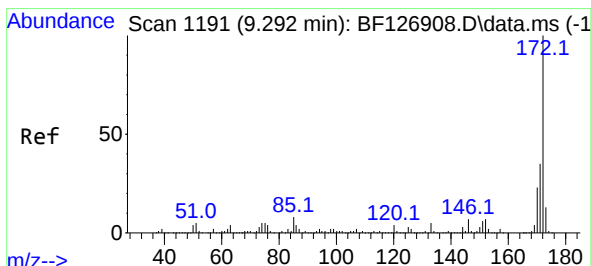
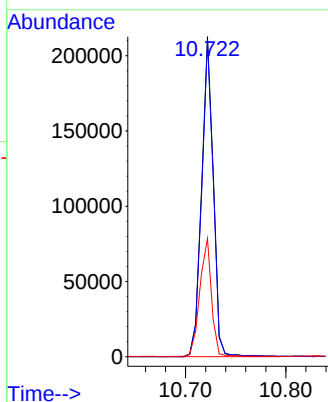
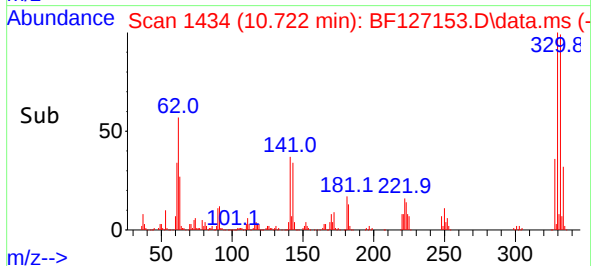


Tgt Ion:330 Resp: 173408  
Ion Ratio Lower Upper  
330 100  
332 98.1 76.0 114.0  
141 37.4 30.1 45.1

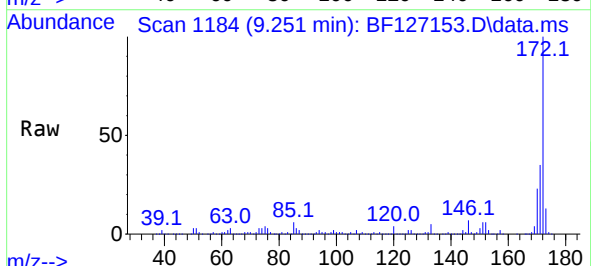
Manual Integrations

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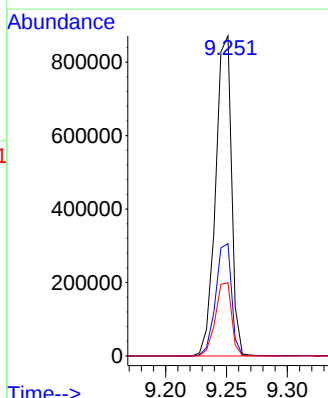
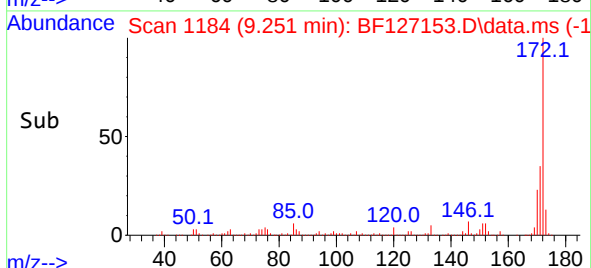
Reviewed By :Christian Giraldo 03/03/2022  
Supervised By :Jagrut Upadhyay 03/03/2022

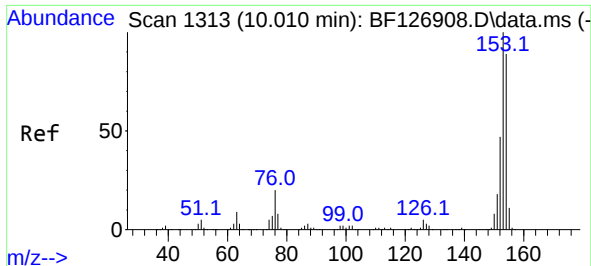


#45  
2-Fluorobiphenyl  
Concen: 68.288 ng  
RT: 9.251 min Scan# 1184  
Delta R.T. 0.000 min  
Lab File: BF127153.D  
Acq: 02 Mar 2022 18:08



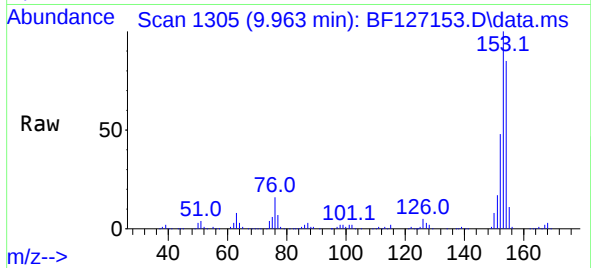
Tgt Ion:172 Resp: 796197  
Ion Ratio Lower Upper  
172 100  
171 35.1 28.3 42.5  
170 22.9 19.0 28.6





#52  
Acenaphthene  
Concen: 8.584 ng  
RT: 9.963 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF127153.D  
Acq: 02 Mar 2022 18:08

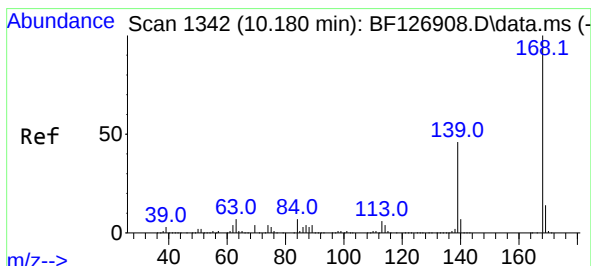
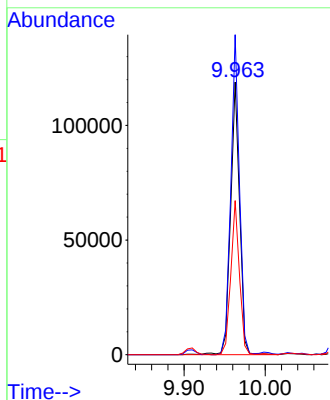
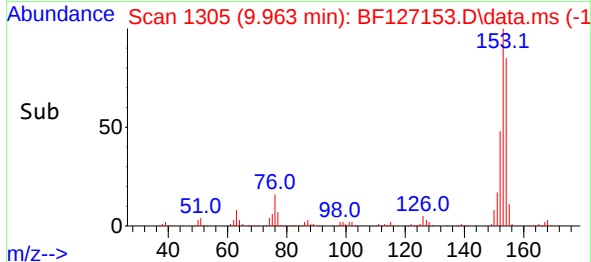
Instrument :  
BNA\_F  
ClientSampleId :  
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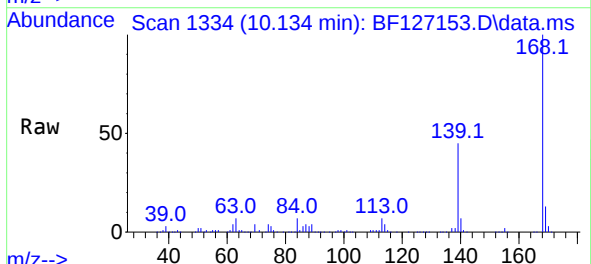
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Ion Ratio Lower Upper  
154 100  
153 117.4 87.8 131.6  
152 56.5 39.4 59.2

Manual Integrations  
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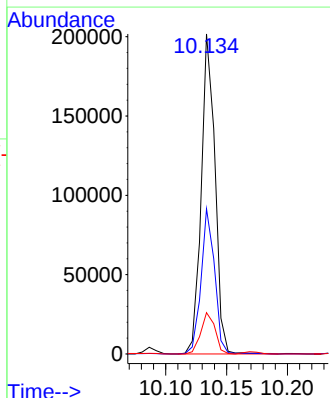
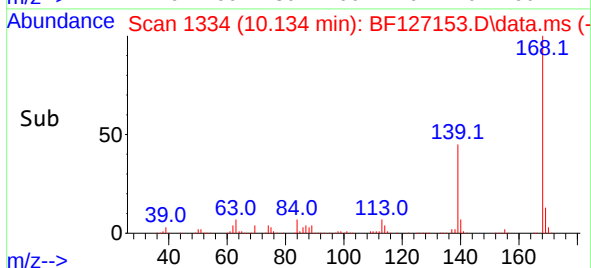
Reviewed By :Christian Giraldo 03/03/2022  
Supervised By :Jagrut Upadhyay 03/03/2022

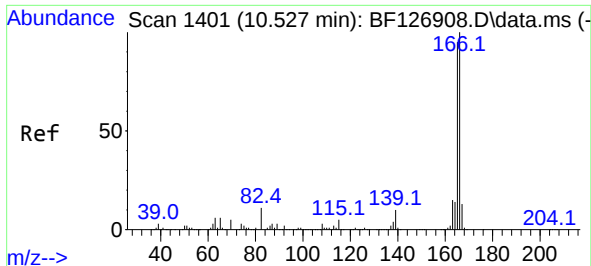


#55  
Dibenzofuran  
Concen: 10.833 ng  
RT: 10.134 min Scan# 1334  
Delta R.T. -0.012 min  
Lab File: BF127153.D  
Acq: 02 Mar 2022 18:08



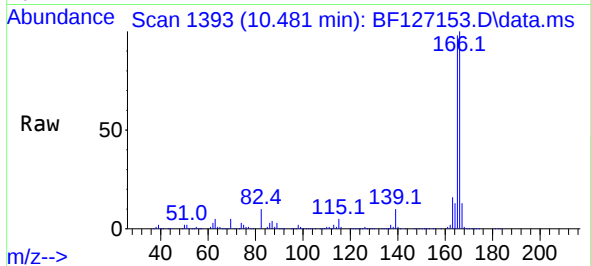
Tgt Ion:168 Resp: 158692  
Ion Ratio Lower Upper  
168 100  
139 45.3 30.6 46.0  
169 12.9 10.0 15.0





#58  
Fluorene  
Concen: 16.420 ng  
RT: 10.481 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF127153.D  
Acq: 02 Mar 2022 18:08

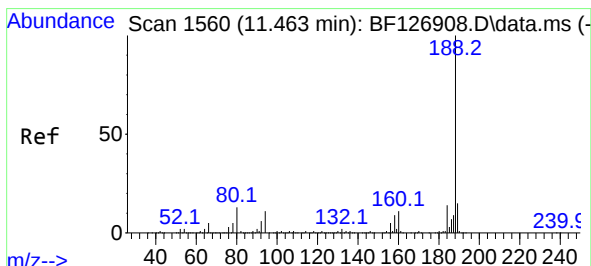
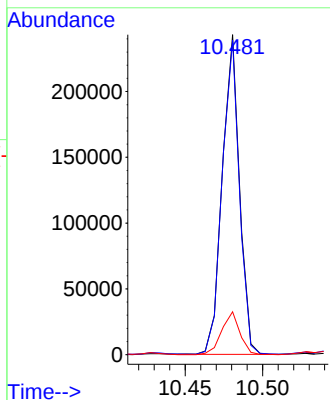
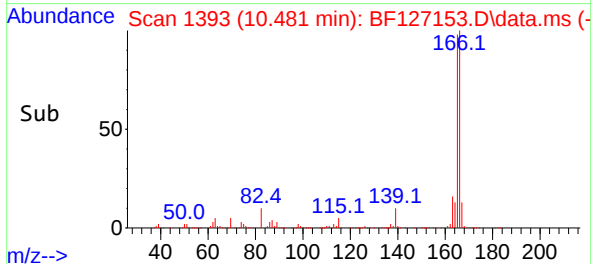
Instrument :  
BNA\_F  
ClientSampleId :  
DUM-8



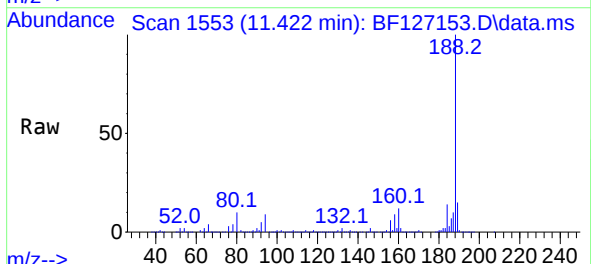
Tgt Ion:166 Resp: 187363  
Ion Ratio Lower Upper  
166 100  
165 98.3 77.7 116.5  
167 13.4 10.7 16.1

Manual Integrations  
APPROVED

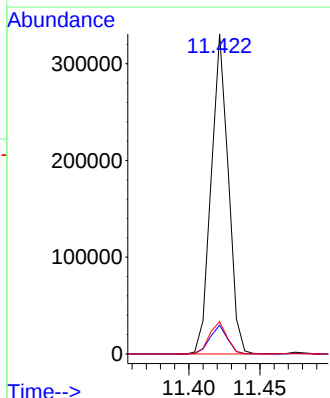
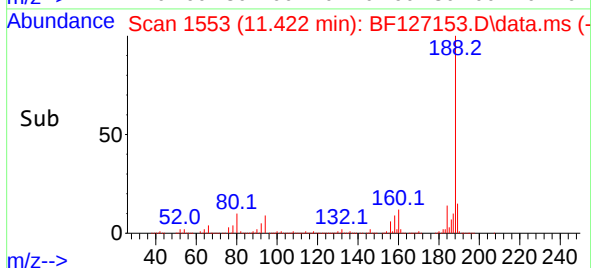
Reviewed By :Christian Giraldo 03/03/2022  
Supervised By :Jagrut Upadhyay 03/03/2022

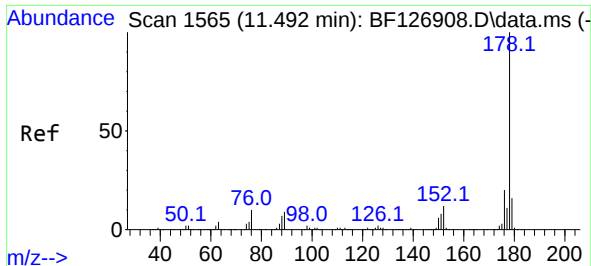


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.422 min Scan# 1553  
Delta R.T. -0.006 min  
Lab File: BF127153.D  
Acq: 02 Mar 2022 18:08



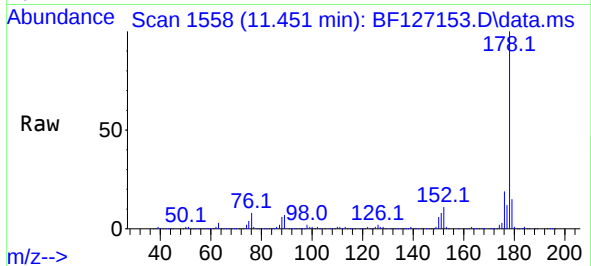
Tgt Ion:188 Resp: 276893  
Ion Ratio Lower Upper  
188 100  
94 9.0 10.1 15.1#  
80 10.1 11.8 17.6#





#71  
Phenanthrene  
Concen: 48.213 ng  
RT: 11.451 min Scan# 1558  
Delta R.T. 0.000 min  
Lab File: BF127153.D  
Acq: 02 Mar 2022 18:08

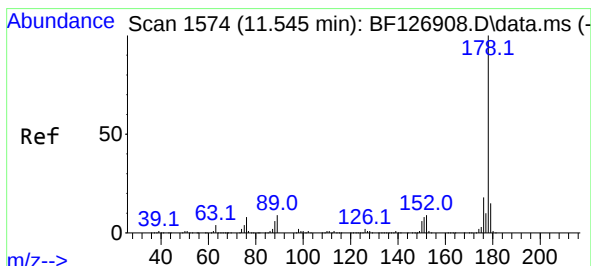
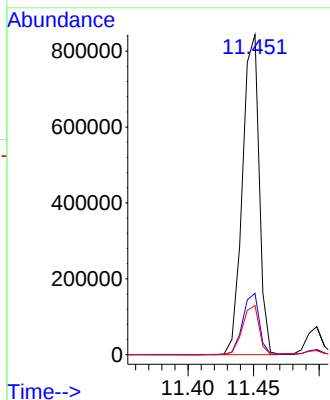
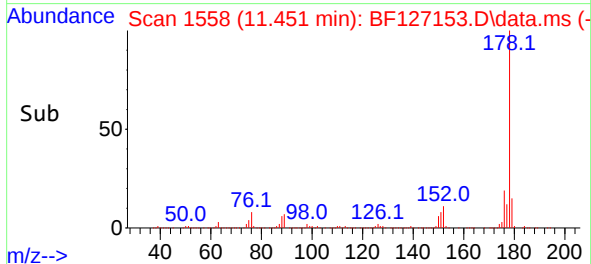
Instrument :  
BNA\_F  
ClientSampleId :  
DUM-8



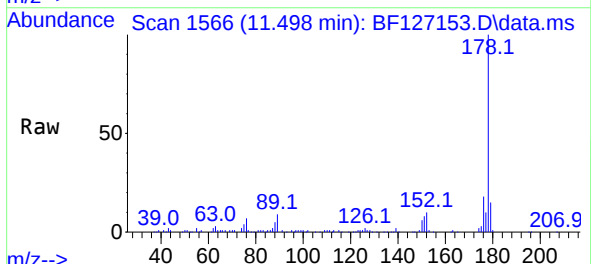
Tgt Ion:178 Resp: 747209  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.7 23.5  
179 15.4 12.3 18.5

Manual Integrations  
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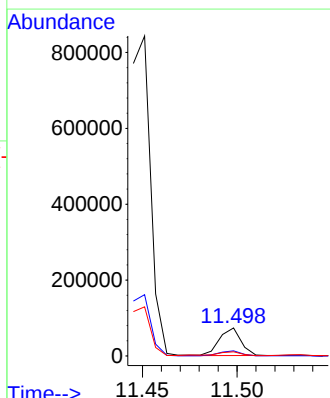
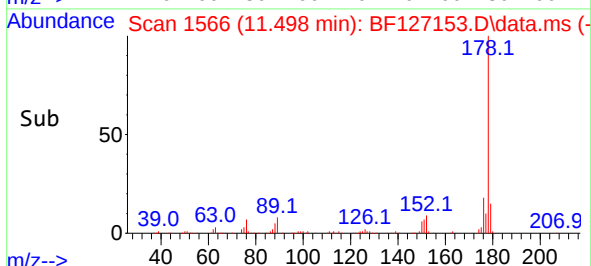
Reviewed By :Christian Giraldo 03/03/2022  
Supervised By :Jagrut Upadhyay 03/03/2022

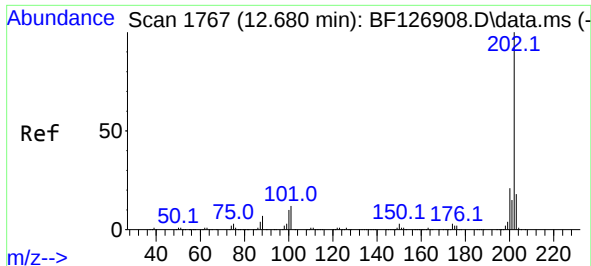


#72  
Anthracene  
Concen: 3.828 ng  
RT: 11.498 min Scan# 1566  
Delta R.T. -0.006 min  
Lab File: BF127153.D  
Acq: 02 Mar 2022 18:08



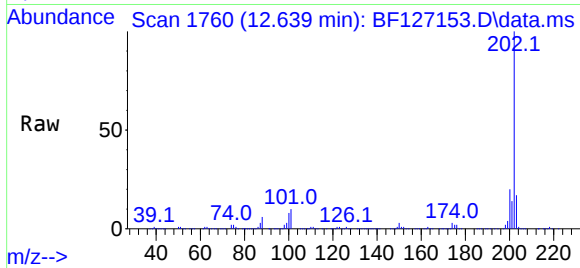
Tgt Ion:178 Resp: 59066  
Ion Ratio Lower Upper  
178 100  
176 18.1 15.0 22.6  
179 15.1 12.5 18.7





#75  
Fluoranthene  
Concen: 20.815 ng  
RT: 12.639 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF127153.D  
Acq: 02 Mar 2022 18:08

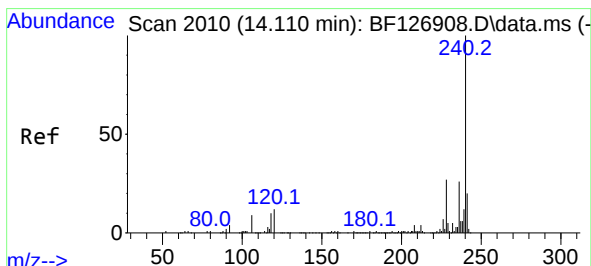
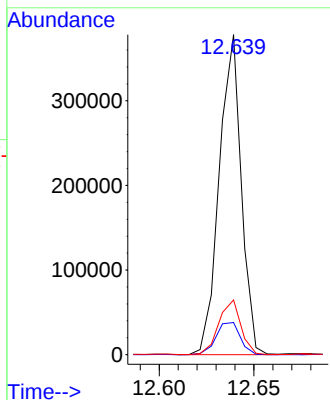
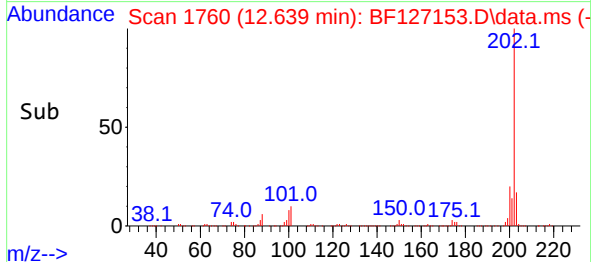
Instrument :  
BNA\_F  
ClientSampleId :  
DUM-8



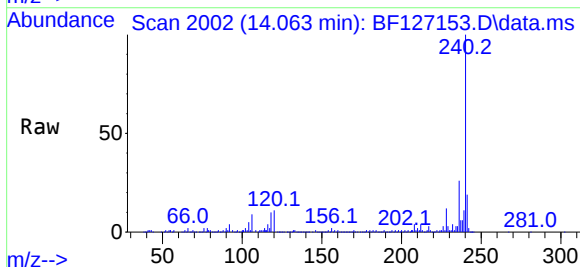
Tgt Ion:202 Resp: 306302  
Ion Ratio Lower Upper  
202 100  
101 10.1 0.0 35.7  
203 17.1 0.0 37.1

Manual Integrations  
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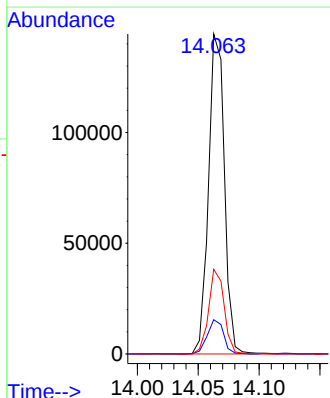
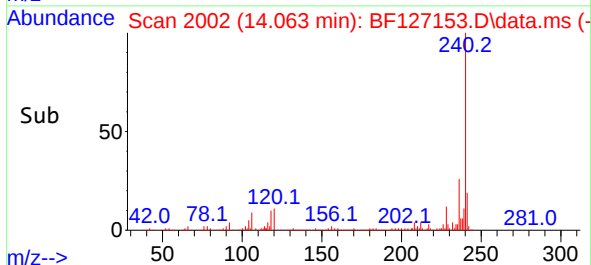
Reviewed By :Christian Giraldo 03/03/2022  
Supervised By :Jagrut Upadhyay 03/03/2022

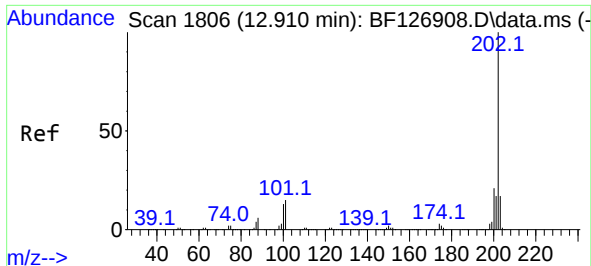


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.063 min Scan# 2002  
Delta R.T. -0.012 min  
Lab File: BF127153.D  
Acq: 02 Mar 2022 18:08



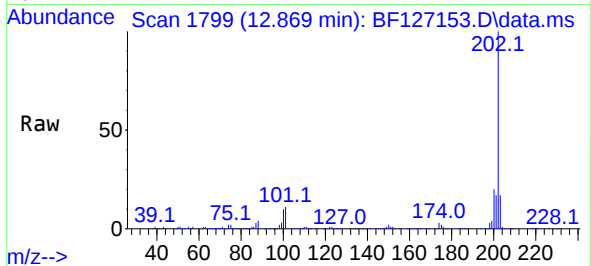
Tgt Ion:240 Resp: 131586  
Ion Ratio Lower Upper  
240 100  
120 10.7 14.4 21.6#  
236 26.5 20.5 30.7





#78  
Pyrene  
Concen: 17.696 ng  
RT: 12.869 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF127153.D  
Acq: 02 Mar 2022 18:08

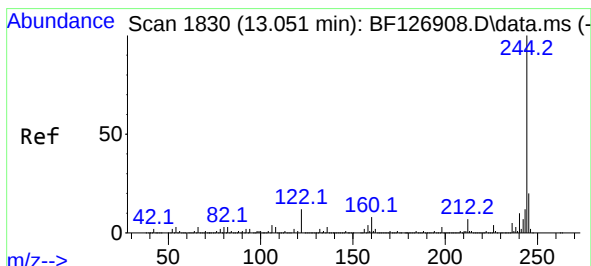
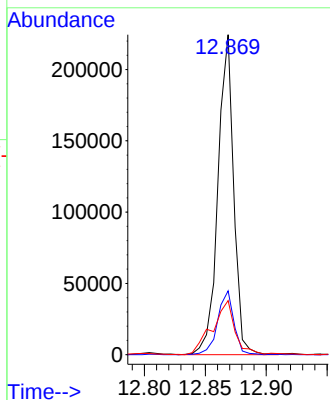
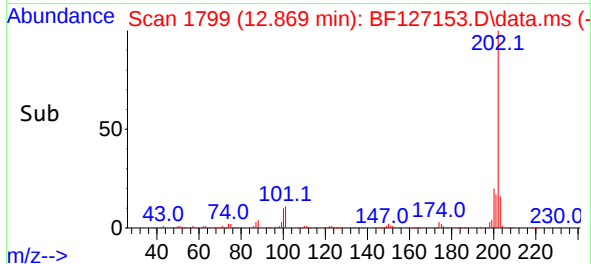
Instrument :  
BNA\_F  
ClientSampleId :  
DUM-8



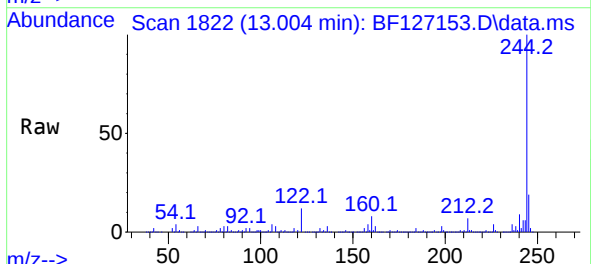
Tgt Ion:202 Resp: 202298  
Ion Ratio Lower Upper  
202 100  
200 19.9 16.6 24.8  
203 16.9 13.8 20.8

Manual Integrations  
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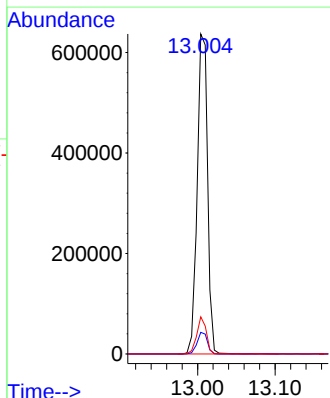
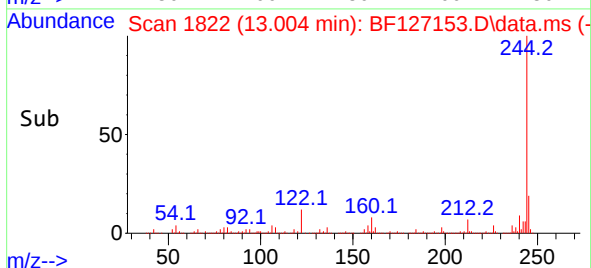
Reviewed By :Christian Giraldo 03/03/2022  
Supervised By :Jagrut Upadhyay 03/03/2022

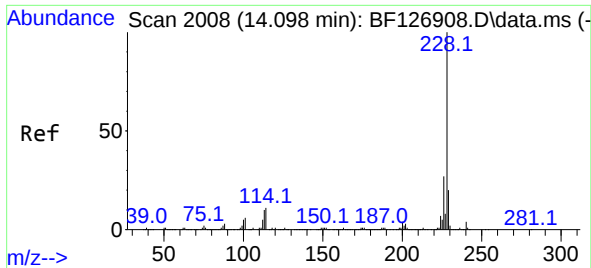


#79  
Terphenyl-d14  
Concen: 65.977 ng  
RT: 13.004 min Scan# 1822  
Delta R.T. -0.012 min  
Lab File: BF127153.D  
Acq: 02 Mar 2022 18:08



Tgt Ion:244 Resp: 590573  
Ion Ratio Lower Upper  
244 100  
212 6.8 5.0 7.4  
122 11.6 13.3 19.9#





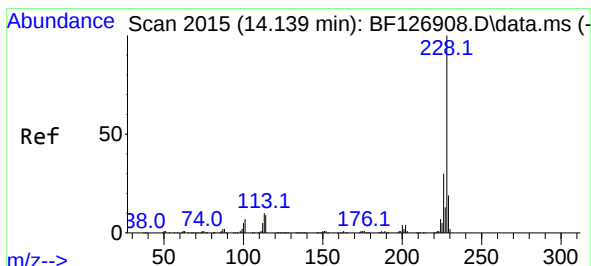
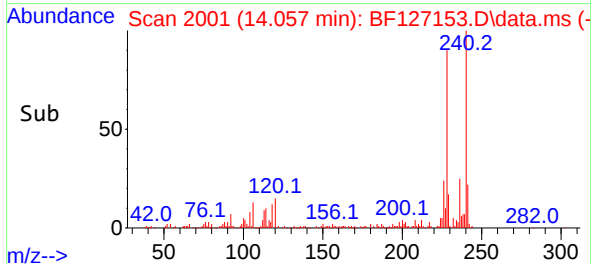
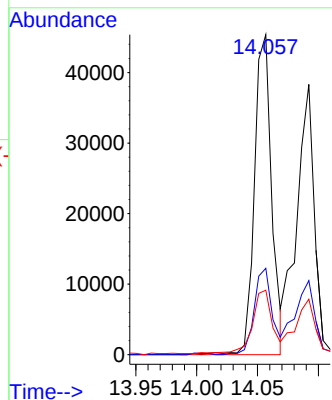
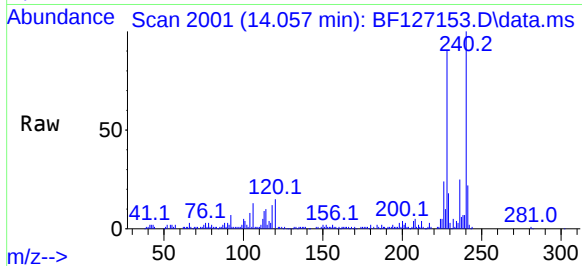
#81  
Benzo(a)anthracene  
Concen: 5.037 ng  
RT: 14.057 min Scan# 2001  
Delta R.T. -0.006 min  
Lab File: BF127153.D  
Acq: 02 Mar 2022 18:08

Instrument :  
BNA\_F  
ClientSampleId :  
DUM-8

Tgt Ion:228 Resp: 4468  
Ion Ratio Lower Upper  
228 100  
226 27.0 21.4 32.0  
229 20.2 15.4 23.2

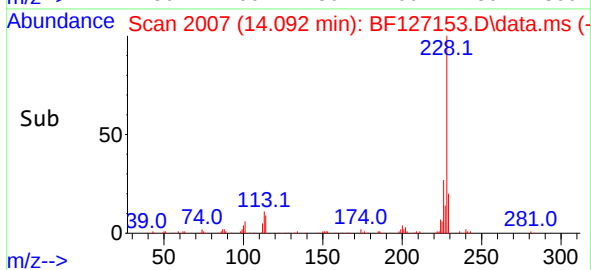
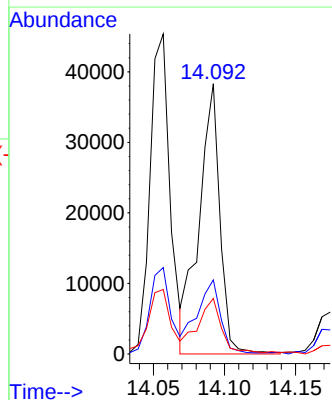
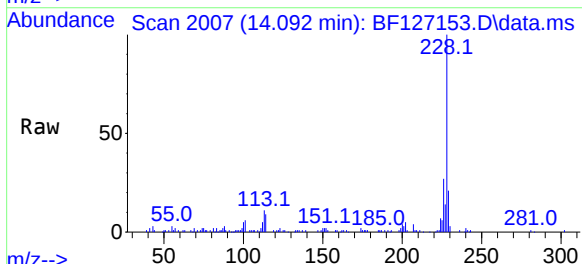
Manual Integrations  
APPROVED

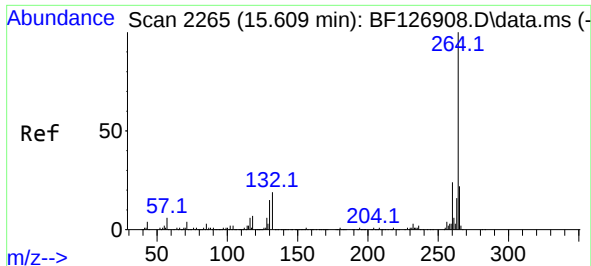
Reviewed By :Christian Giraldo 03/03/2022  
Supervised By :Jagrut Upadhyay 03/03/2022



#83  
Chrysene  
Concen: 4.722 ng  
RT: 14.092 min Scan# 2007  
Delta R.T. -0.012 min  
Lab File: BF127153.D  
Acq: 02 Mar 2022 18:08

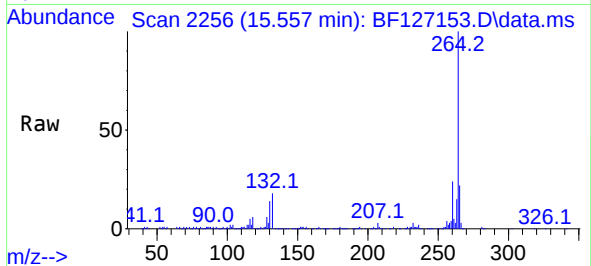
Tgt Ion:228 Resp: 39393  
Ion Ratio Lower Upper  
228 100  
226 27.4 23.7 35.5  
229 20.6 15.5 23.3





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.557 min Scan# 2181  
Delta R.T. -0.012 min  
Lab File: BF127153.D  
Acq: 02 Mar 2022 18:08

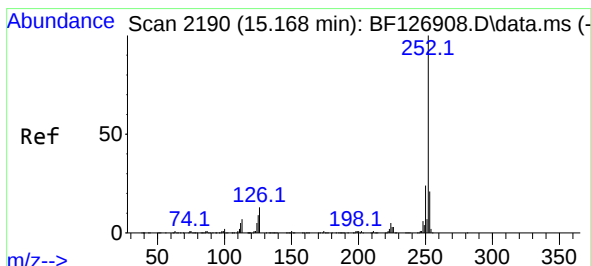
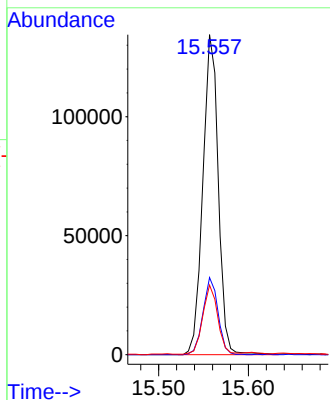
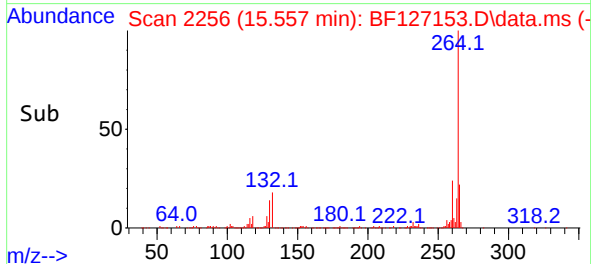
Instrument :  
BNA\_F  
ClientSampleId :  
DUM-8



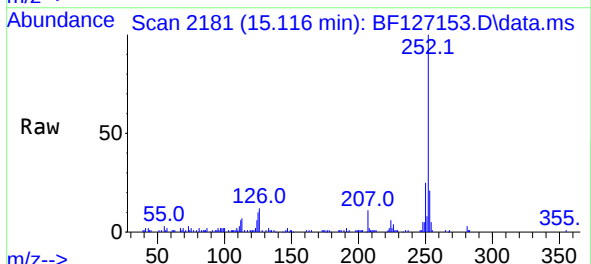
Tgt Ion:264 Resp: 160710  
Ion Ratio Lower Upper  
264 100  
260 24.1 19.2 28.8  
265 21.8 17.4 26.2

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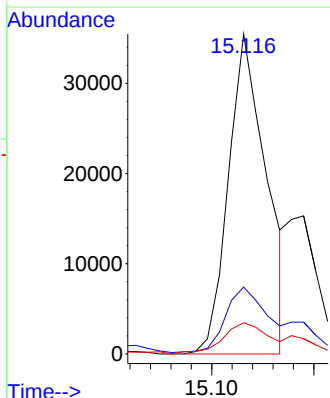
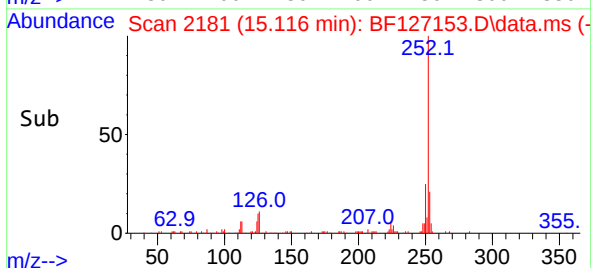
Reviewed By :Christian Giraldo 03/03/2022  
Supervised By :Jagrut Upadhyay 03/03/2022

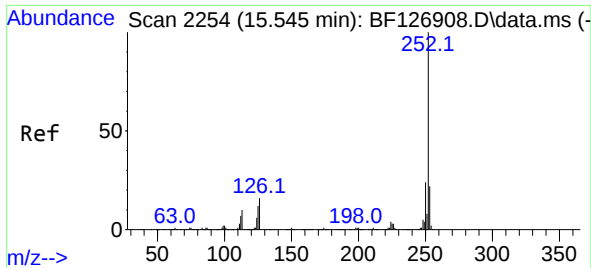


#88  
Benzo(b)fluoranthene  
Concen: 4.228 ng m  
RT: 15.116 min Scan# 2181  
Delta R.T. -0.012 min  
Lab File: BF127153.D  
Acq: 02 Mar 2022 18:08



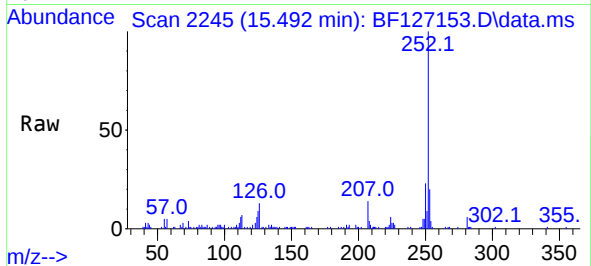
Tgt Ion:252 Resp: 45636  
Ion Ratio Lower Upper  
252 100  
253 20.9 17.8 26.8  
125 9.7 12.4 18.6#





#90  
Benzo(a)pyrene  
Concen: 3.496 ng m  
RT: 15.492 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF127153.D  
Acq: 02 Mar 2022 18:08

Instrument :  
BNA\_F  
ClientSampleId :  
DUM-8



Tgt Ion:252 Resp: 2947  
Ion Ratio Lower Upper  
252 100  
253 20.2 17.1 25.7  
125 9.3 13.0 19.6

Manual Integrations  
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Reviewed By :Christian Giraldo 03/03/2022  
Supervised By :Jagrut Upadhyay 03/03/2022

