

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
 Data File : BF127176.D  
 Acq On : 03 Mar 2022 17:36  
 Operator : CG\JU  
 Sample : N1689-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-38

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 03/04/2022  
 Supervised By : Jagrut Upadhyay 03/04/2022

Quant Time: Mar 04 02:14:11 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

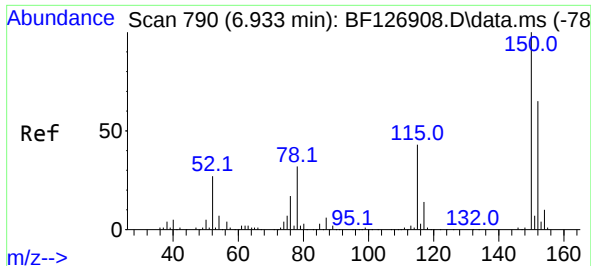
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.892  | 152  | 104573   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.175  | 136  | 414016   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 9.933  | 164  | 220467   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.422 | 188  | 381810   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.068 | 240  | 192039   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12            | 15.562 | 264  | 187109   | 20.000  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.516  | 112  | 345251   | 51.028  | ng    | 0.00     |
| 7) Phenol-d6                | 6.522  | 99   | 377019   | 41.296  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.463  | 82   | 833135   | 90.831  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.727 | 330  | 380384   | 149.853 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.251  | 172  | 1350775  | 90.197  | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.010 | 244  | 1393752  | 106.690 | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 10) Phenol                  | 6.534  | 94   | 80541    | 8.731   | ng    | 82       |
| 27) 2,4-Dimethylphenol      | 7.828  | 122  | 75177m   | 12.404  | ng    |          |
| 31) Naphthalene             | 8.204  | 128  | 2859512  | 132.309 | ng    | 96       |
| 37) 2-Methylnaphthalene     | 8.892  | 142  | 1315430  | 93.800  | ng    | 97       |
| 38) 1-Methylnaphthalene     | 8.992  | 142  | 943324   | 70.244  | ng    | 100      |
| 46) 1,1'-Biphenyl           | 9.351  | 154  | 122835   | 7.032   | ng    | 98       |
| 52) Acenaphthene            | 9.963  | 154  | 31130    | 2.275   | ng    | # 89     |
| 55) Dibenzofuran            | 10.133 | 168  | 41768    | 2.220   | ng    | # 76     |
| 58) Fluorene                | 10.480 | 166  | 47286    | 3.226   | ng    | 95       |
| 71) Phenanthrene            | 11.445 | 178  | 51002    | 2.387   | ng    | 98       |
| -----                       |        |      |          |         |       |          |

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

## Manual Integrations

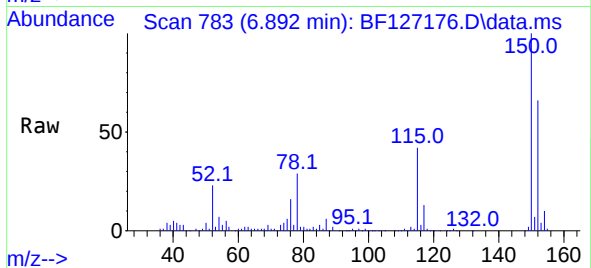
Quant Time: Mar 04 02:14:11 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Mar 01 23:57:09 2022  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 78  
Delta R.T. -0.001 min  
Lab File: BF127176.D  
Acq: 03 Mar 2022 17:36

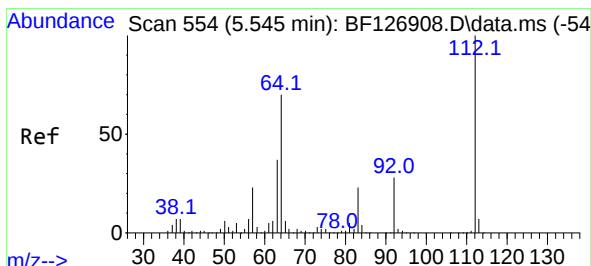
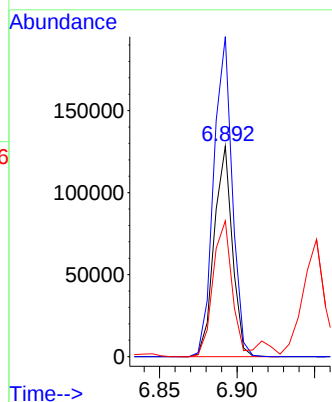
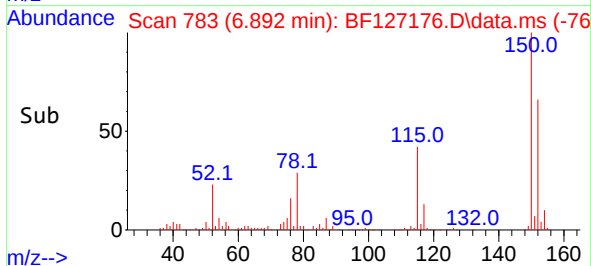
Instrument :  
BNA\_F  
ClientSampleId :  
MW-38



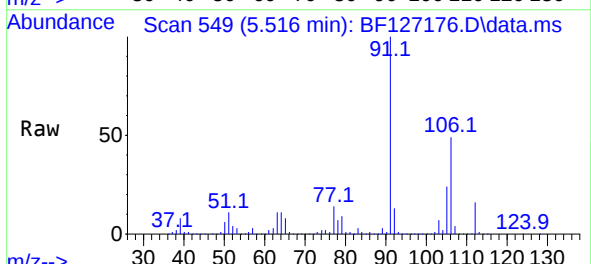
Tgt Ion:152 Resp: 104573  
Ion Ratio Lower Upper  
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150 152.0 128.1 192.1  
115 64.5 56.7 85.1

Manual Integrations  
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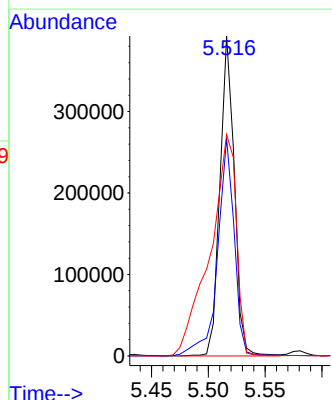
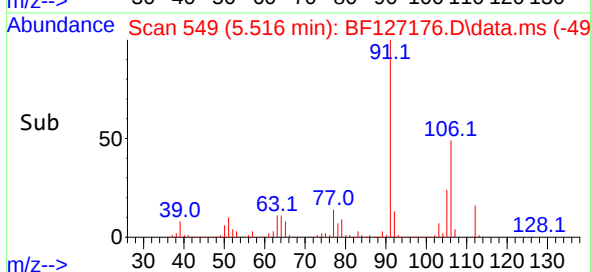
Reviewed By :Christian Giraldo 03/04/2022  
Supervised By :Jagrut Upadhyay 03/04/2022

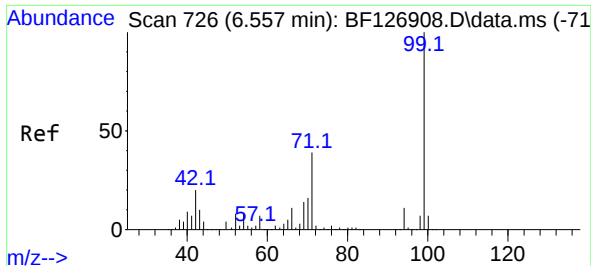


#5  
2-Fluorophenol  
Concen: 51.028 ng  
RT: 5.516 min Scan# 549  
Delta R.T. 0.006 min  
Lab File: BF127176.D  
Acq: 03 Mar 2022 17:36



Tgt Ion:112 Resp: 345251  
Ion Ratio Lower Upper  
112 100  
64 68.0 49.5 74.3  
63 69.2 23.9 35.9





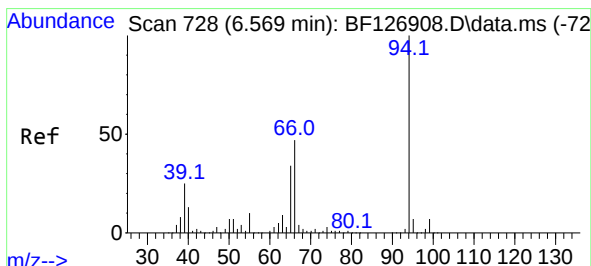
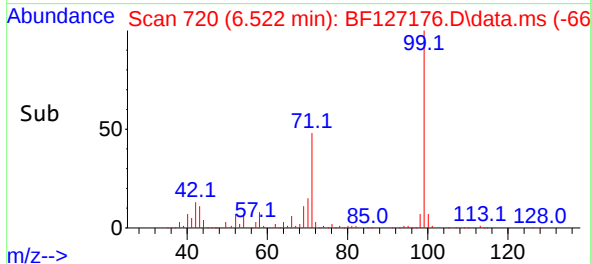
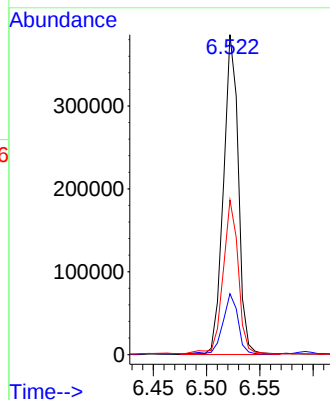
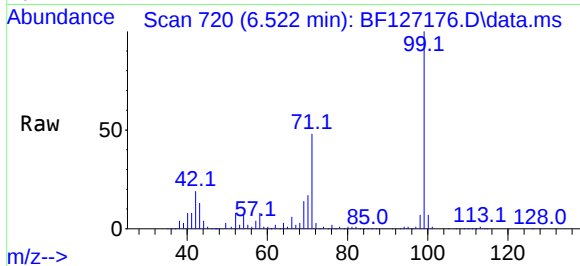
#7  
Phenol-d6  
Concen: 41.296 ng  
RT: 6.522 min Scan# 721  
Delta R.T. -0.000 min  
Lab File: BF127176.D  
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Tgt Ion: 99 Resp: 377019  
Ion Ratio Lower Upper  
99 100  
42 19.0 14.2 21.4  
71 48.4 24.3 36.5

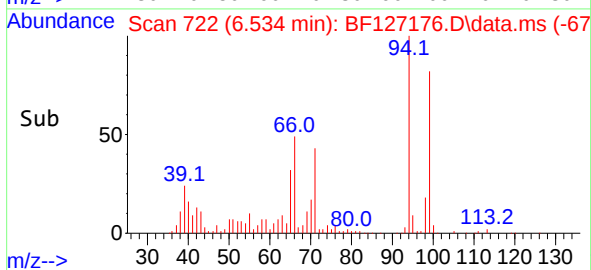
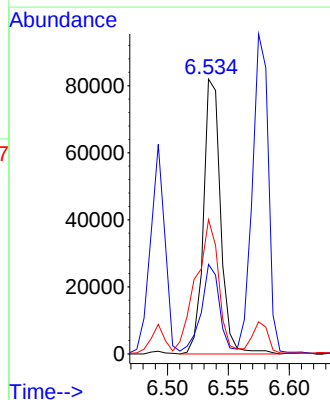
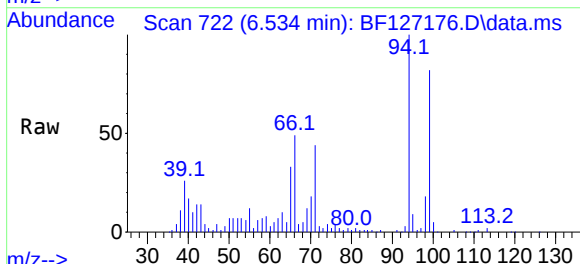
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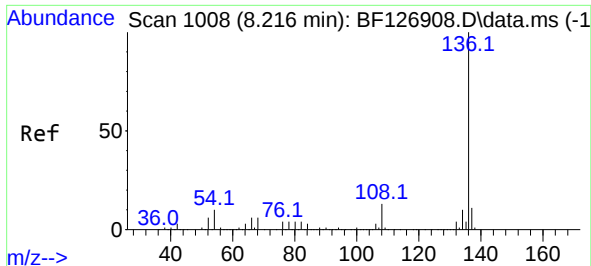
Reviewed By :Christian Giraldo 03/04/2022  
Supervised By :Jagrut Upadhyay 03/04/2022



#10  
Phenol  
Concen: 8.731 ng  
RT: 6.534 min Scan# 722  
Delta R.T. -0.006 min  
Lab File: BF127176.D  
Acq: 03 Mar 2022 17:36

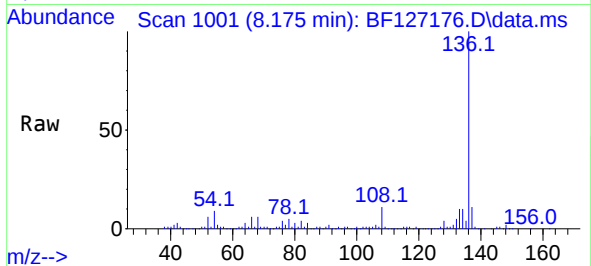
Tgt Ion: 94 Resp: 80541  
Ion Ratio Lower Upper  
94 100  
65 32.5 7.2 47.2  
66 48.9 14.5 54.5





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 10  
Delta R.T. -0.000 min  
Lab File: BF127176.D  
Acq: 03 Mar 2022 17:36

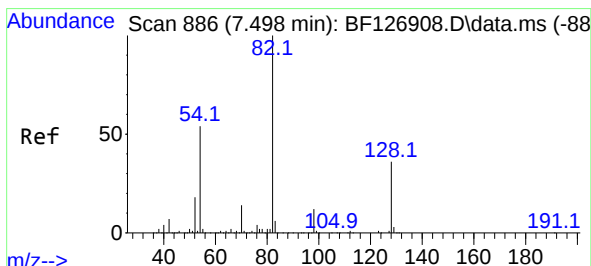
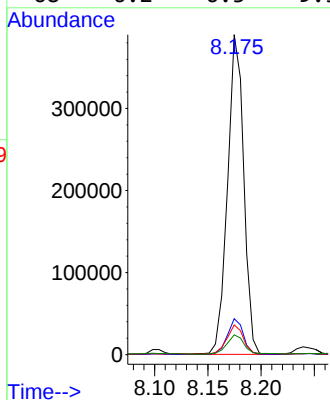
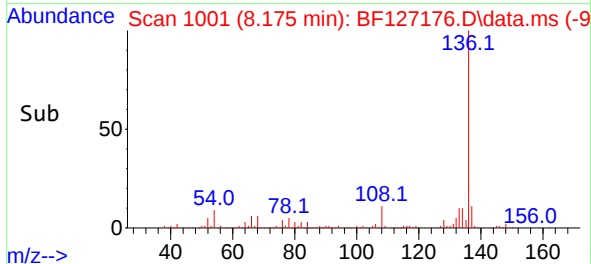
Instrument :  
BNA\_F  
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Tgt Ion:136 Resp: 414016  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.6 13.0  
54 9.3 7.8 11.6  
68 6.2 6.3 9.5#

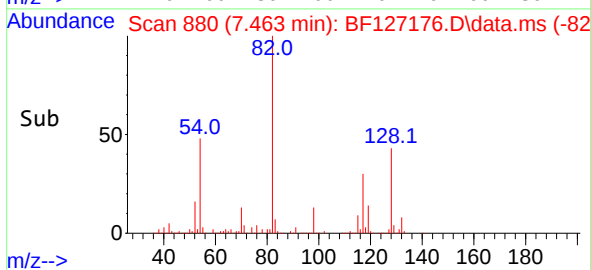
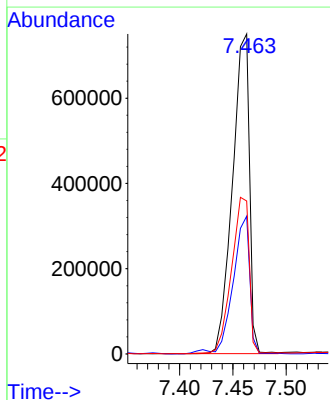
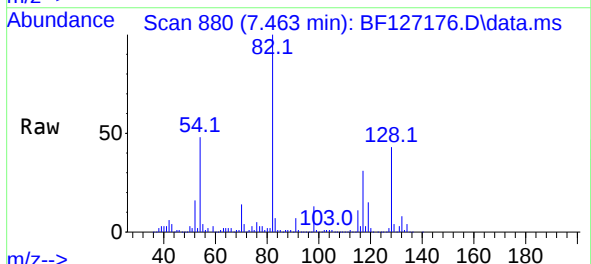
Manual Integrations  
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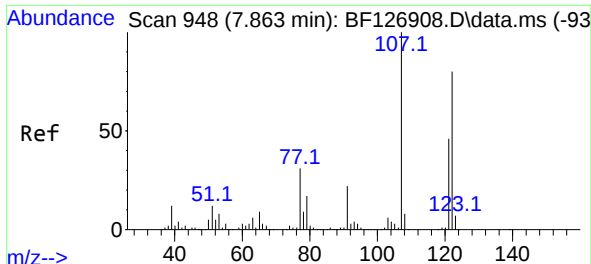
Reviewed By :Christian Giraldo 03/04/2022  
Supervised By :Jagrut Upadhyay 03/04/2022



#23  
Nitrobenzene-d5  
Concen: 90.831 ng  
RT: 7.463 min Scan# 880  
Delta R.T. -0.000 min  
Lab File: BF127176.D  
Acq: 03 Mar 2022 17:36

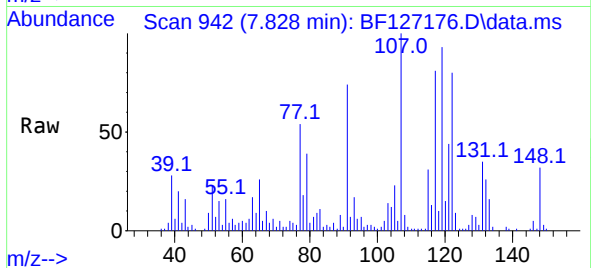
Tgt Ion: 82 Resp: 833135  
Ion Ratio Lower Upper  
82 100  
128 43.0 32.7 49.1  
54 47.8 41.7 62.5





#27  
2,4-Dimethylphenol  
Concen: 12.404 ng m  
RT: 7.828 min Scan# 94  
Delta R.T. -0.000 min  
Lab File: BF127176.D  
Acq: 03 Mar 2022 17:36

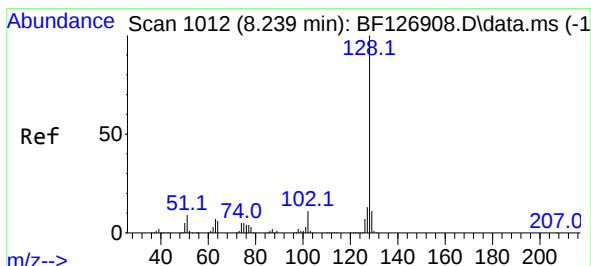
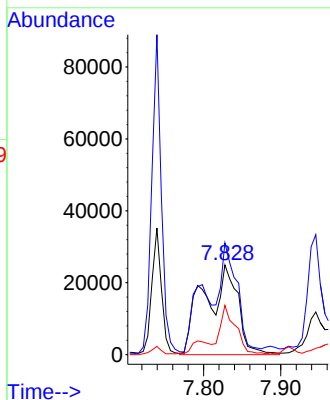
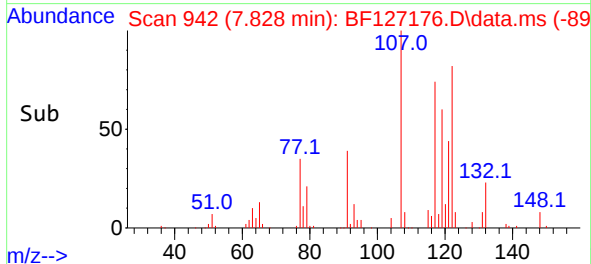
Instrument :  
BNA\_F  
ClientSampleId :  
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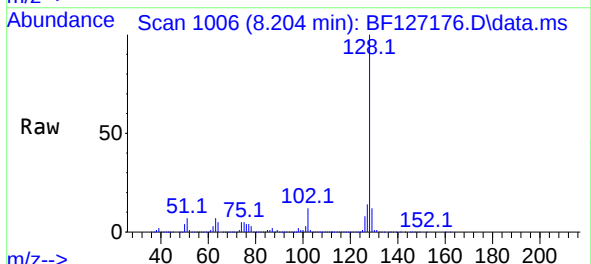
Tgt Ion:122 Resp: 7517  
Ion Ratio Lower Upper  
122 100  
107 124.5 91.2 136.8  
121 54.9 44.4 66.6

Manual Integrations  
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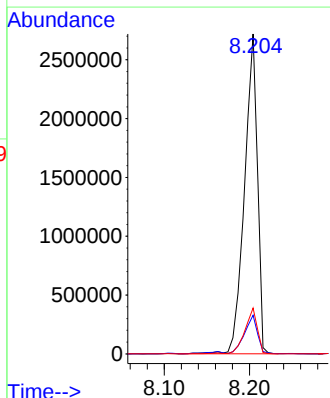
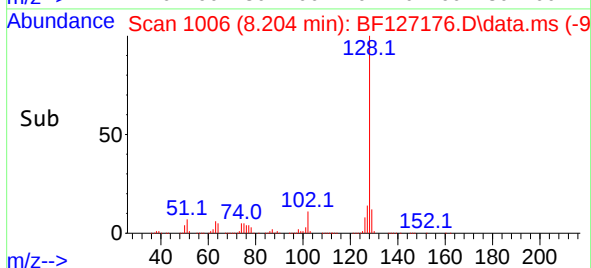
Reviewed By :Christian Giraldo 03/04/2022  
Supervised By :Jagrut Upadhyay 03/04/2022

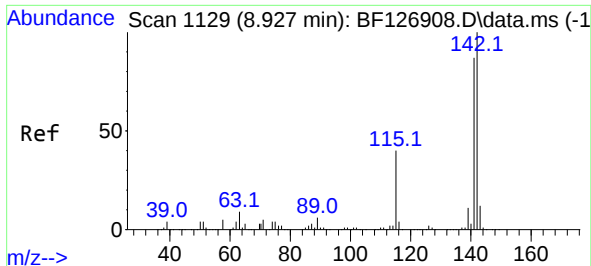


#31  
Naphthalene  
Concen: 132.309 ng  
RT: 8.204 min Scan# 1006  
Delta R.T. 0.006 min  
Lab File: BF127176.D  
Acq: 03 Mar 2022 17:36



Tgt Ion:128 Resp: 2859512  
Ion Ratio Lower Upper  
128 100  
129 12.1 8.6 13.0  
127 14.3 10.3 15.5





#37

2-Methylnaphthalene

Concen: 93.800 ng

RT: 8.892 min Scan# 1129

Delta R.T. -0.000 min

Lab File: BF127176.D

Acq: 03 Mar 2022 17:36

Instrument :

BNA\_F

ClientSampleId :

MW-38

Tgt Ion:142 Resp: 1315430

Ion Ratio Lower Upper

142 100

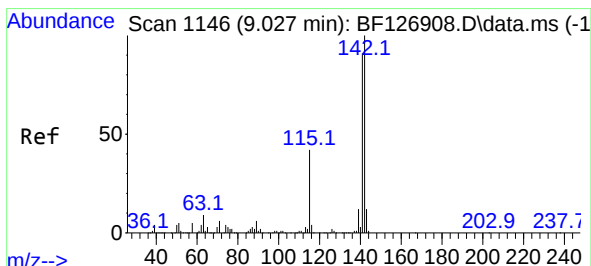
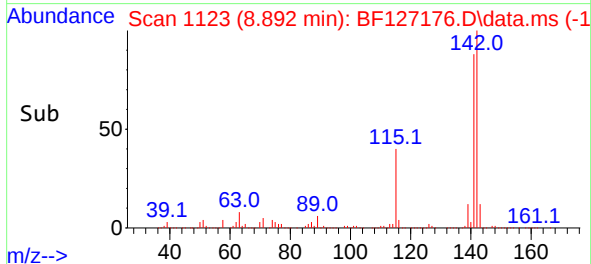
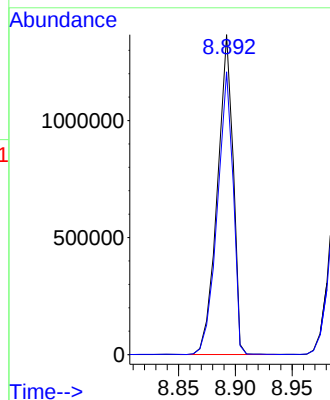
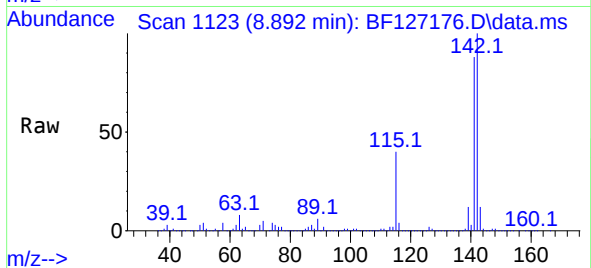
141 88.4 68.6 102.8

Manual Integrations

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Reviewed By :Christian Giraldo 03/04/2022

Supervised By :Jagrut Upadhyay 03/04/2022



#38

1-Methylnaphthalene

Concen: 70.244 ng

RT: 8.992 min Scan# 1140

Delta R.T. -0.000 min

Lab File: BF127176.D

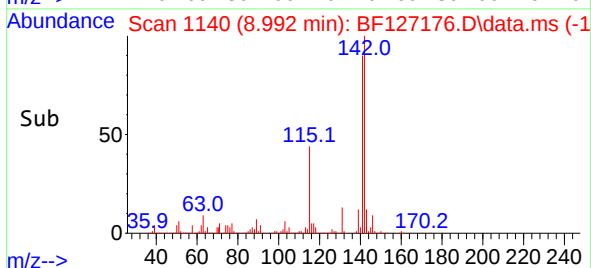
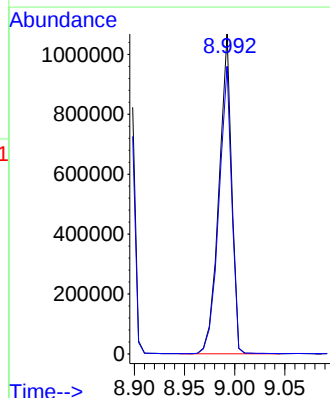
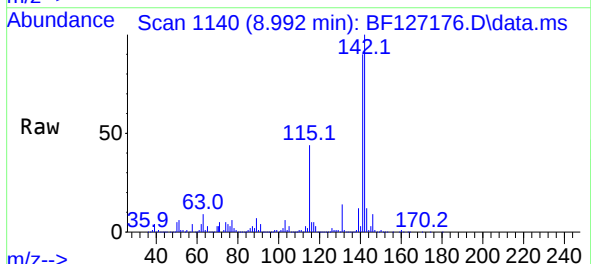
Acq: 03 Mar 2022 17:36

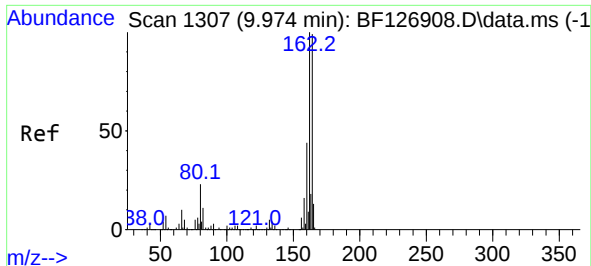
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Ion Ratio Lower Upper

142 100

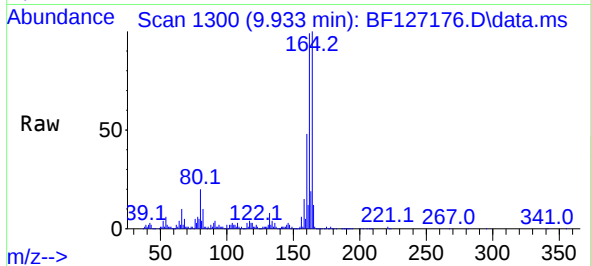
141 89.9 72.1 108.1





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.933 min Scan# 1307  
Delta R.T. -0.006 min  
Lab File: BF127176.D  
Acq: 03 Mar 2022 17:36

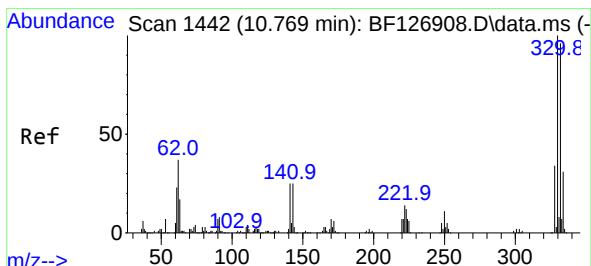
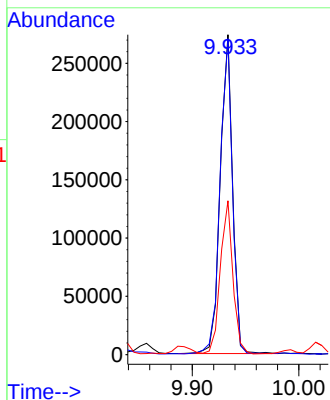
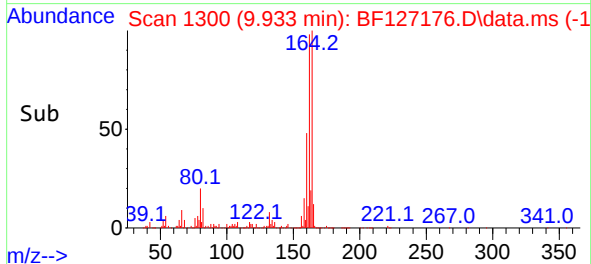
Instrument :  
BNA\_F  
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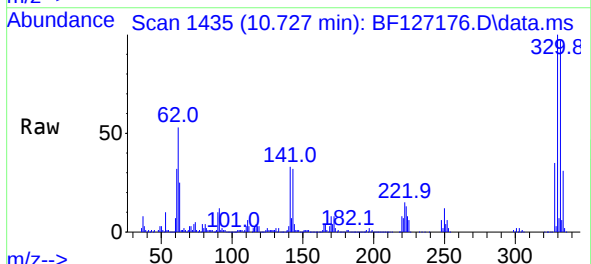
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Ion Ratio Lower Upper  
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162 98.7 81.4 122.0  
160 48.1 36.6 54.8

Manual Integrations  
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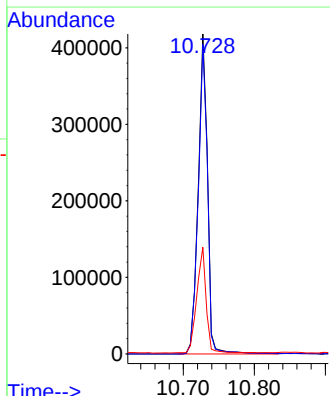
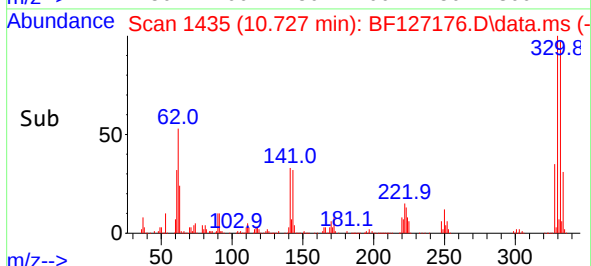
Reviewed By :Christian Giraldo 03/04/2022  
Supervised By :Jagrut Upadhyay 03/04/2022

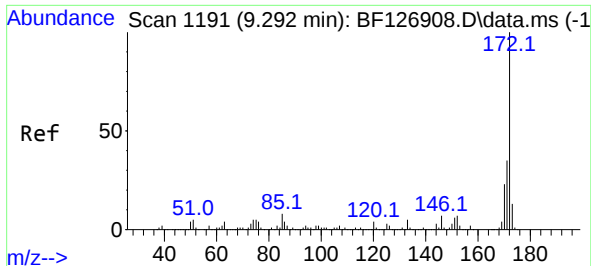


#42  
2,4,6-Tribromophenol  
Concen: 149.853 ng  
RT: 10.727 min Scan# 1435  
Delta R.T. -0.000 min  
Lab File: BF127176.D  
Acq: 03 Mar 2022 17:36



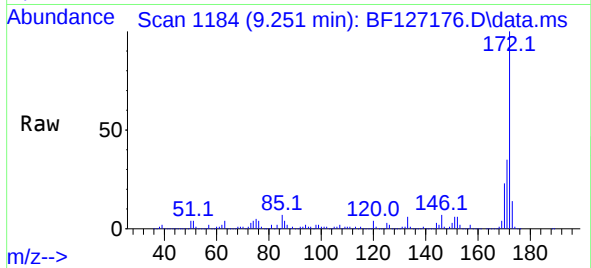
Tgt Ion:330 Resp: 380384  
Ion Ratio Lower Upper  
330 100  
332 96.7 76.0 114.0  
141 33.4 30.1 45.1





#45  
2-Fluorobiphenyl  
Concen: 90.197 ng  
RT: 9.251 min Scan# 1191  
Delta R.T. -0.000 min  
Lab File: BF127176.D  
Acq: 03 Mar 2022 17:36

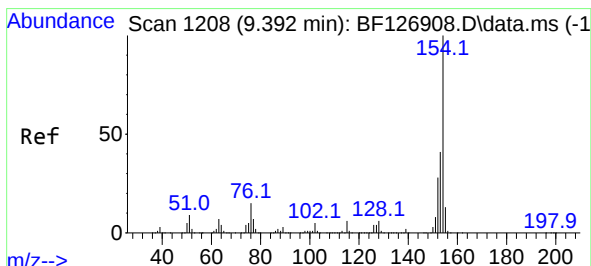
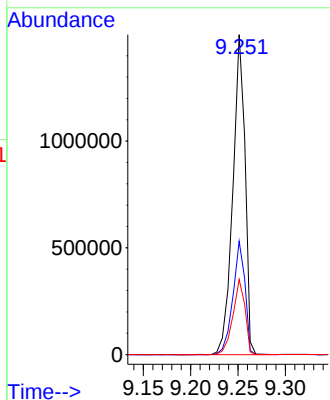
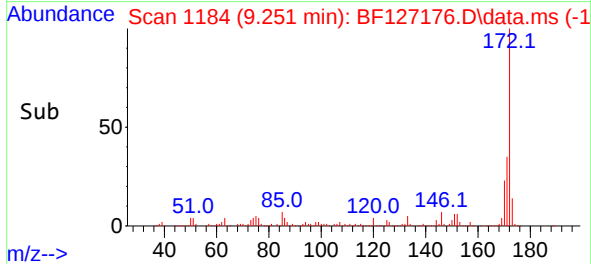
Instrument :  
BNA\_F  
ClientSampleId :  
MW-38



Tgt Ion:172 Resp: 1350775  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.3 42.5  
170 23.5 19.0 28.6

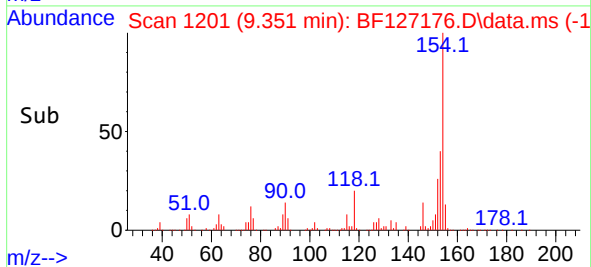
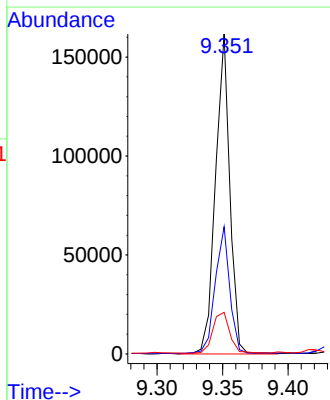
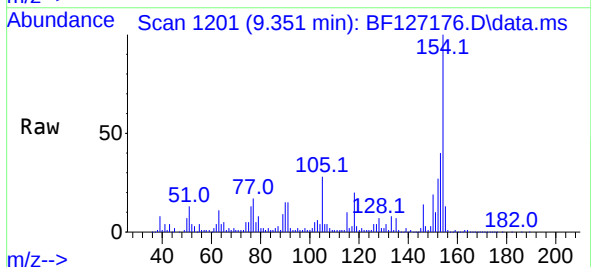
Manual Integrations  
APPROVED

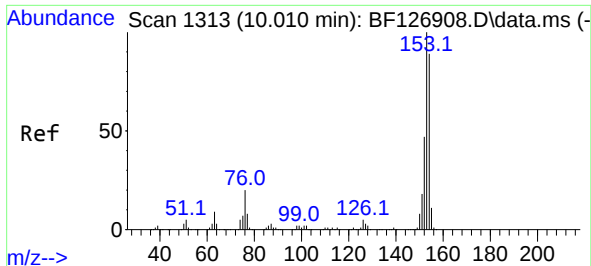
Reviewed By :Christian Giraldo 03/04/2022  
Supervised By :Jagrut Upadhyay 03/04/2022



#46  
1,1'-Biphenyl  
Concen: 7.032 ng  
RT: 9.351 min Scan# 1201  
Delta R.T. -0.006 min  
Lab File: BF127176.D  
Acq: 03 Mar 2022 17:36

Tgt Ion:154 Resp: 122835  
Ion Ratio Lower Upper  
154 100  
153 39.8 19.0 59.0  
76 13.0 0.0 34.5





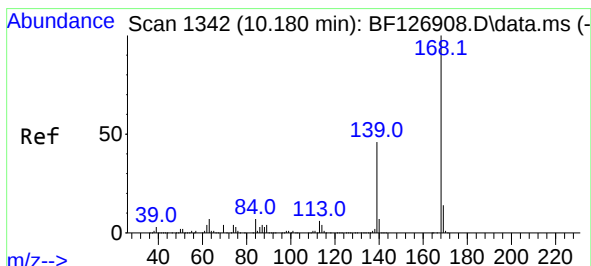
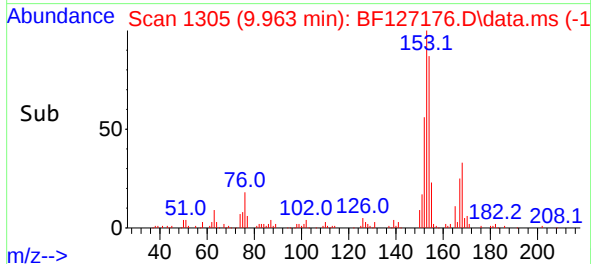
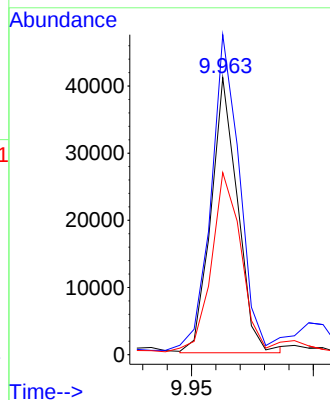
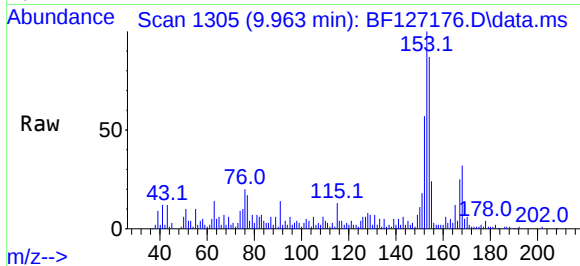
#52  
Acenaphthene  
Concen: 2.275 ng  
RT: 9.963 min Scan# 1313  
Delta R.T. -0.006 min  
Lab File: BF127176.D  
Acq: 03 Mar 2022 17:36

Instrument :  
BNA\_F  
ClientSampleId :  
MW-38

Tgt Ion:154 Resp: 31130  
Ion Ratio Lower Upper  
154 100  
153 115.5 87.8 131.6  
152 65.7 39.4 59.2

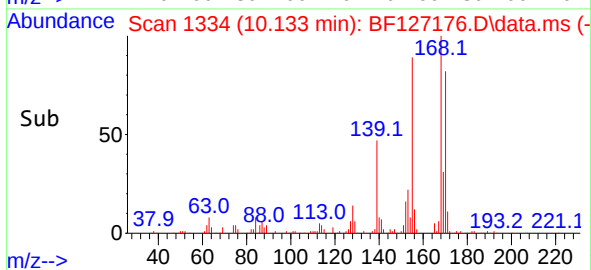
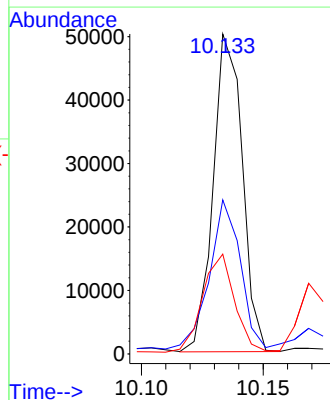
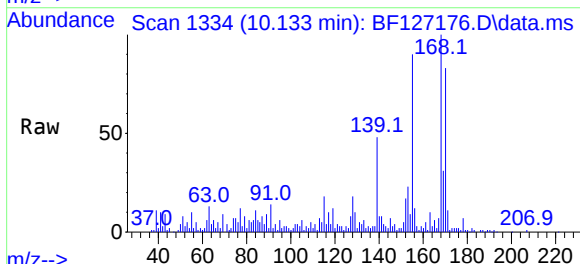
Manual Integrations  
APPROVED

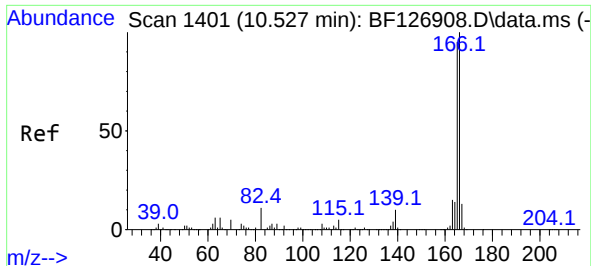
Reviewed By :Christian Giraldo 03/04/2022  
Supervised By :Jagrut Upadhyay 03/04/2022



#55  
Dibenzofuran  
Concen: 2.220 ng  
RT: 10.133 min Scan# 1334  
Delta R.T. -0.012 min  
Lab File: BF127176.D  
Acq: 03 Mar 2022 17:36

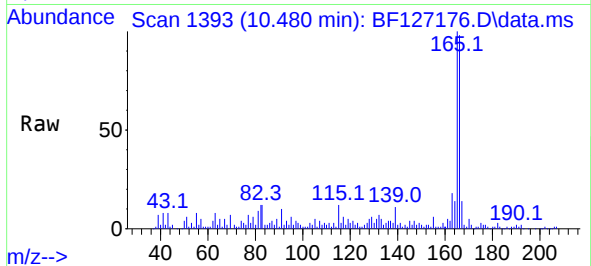
Tgt Ion:168 Resp: 41768  
Ion Ratio Lower Upper  
168 100  
139 48.1 30.6 46.0#  
169 31.2 10.0 15.0#





#58  
Fluorene  
Concen: 3.226 ng  
RT: 10.480 min Scan# 1393  
Delta R.T. -0.006 min  
Lab File: BF127176.D  
Acq: 03 Mar 2022 17:36

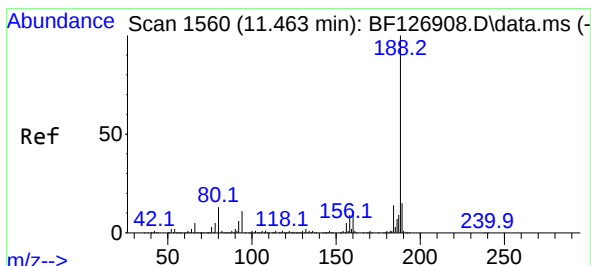
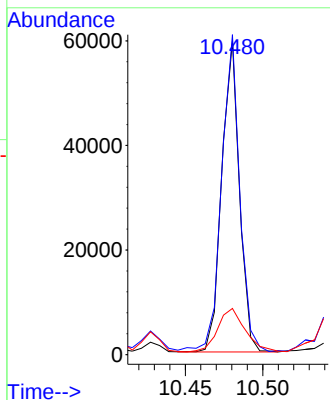
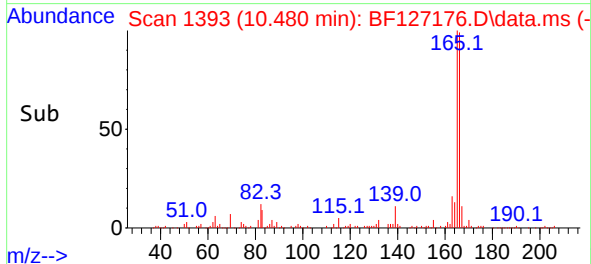
Instrument :  
BNA\_F  
ClientSampleId :  
MW-38



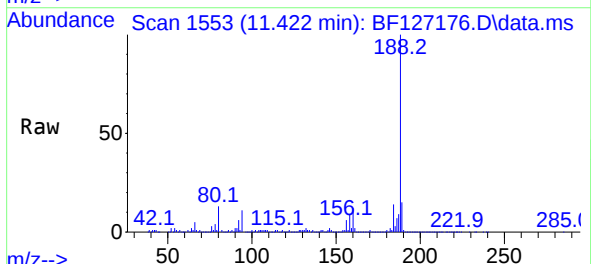
Tgt Ion:166 Resp: 47286  
Ion Ratio Lower Upper  
166 100  
165 102.2 77.7 116.5  
167 14.8 10.7 16.1

Manual Integrations  
APPROVED

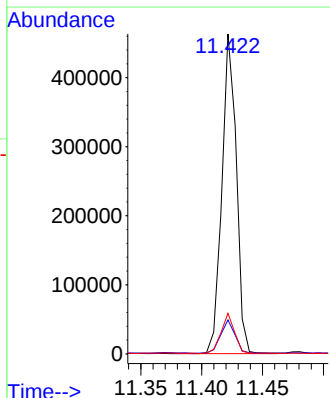
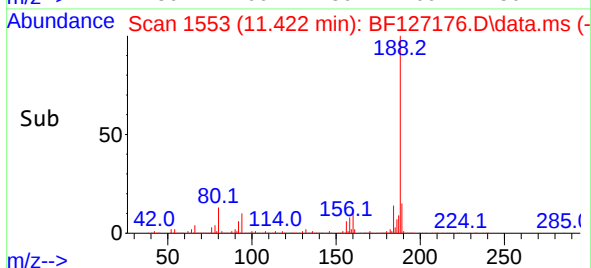
Reviewed By :Christian Giraldo 03/04/2022  
Supervised By :Jagrut Upadhyay 03/04/2022

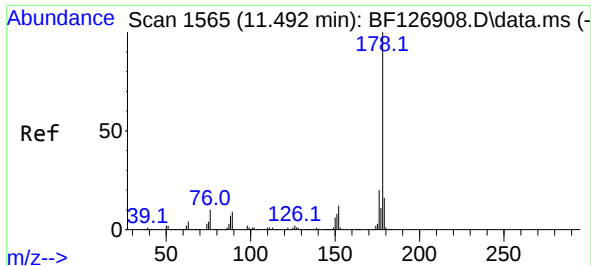


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.422 min Scan# 1553  
Delta R.T. -0.006 min  
Lab File: BF127176.D  
Acq: 03 Mar 2022 17:36



Tgt Ion:188 Resp: 381810  
Ion Ratio Lower Upper  
188 100  
94 10.6 10.1 15.1  
80 12.7 11.8 17.6





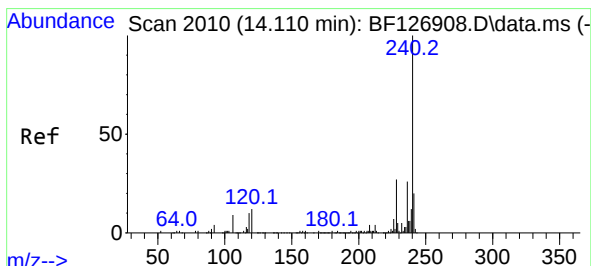
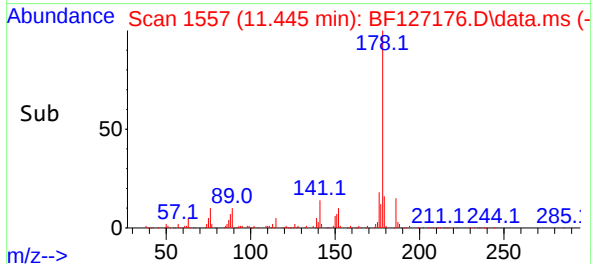
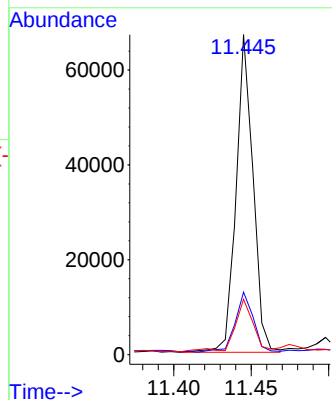
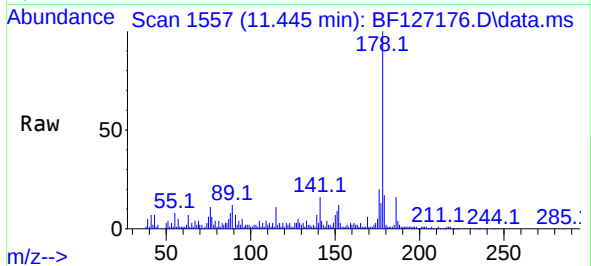
#71  
Phenanthrene  
Concen: 2.387 ng  
RT: 11.445 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF127176.D  
Acq: 03 Mar 2022 17:36

Instrument :  
BNA\_F  
ClientSampleId :  
MW-38

Tgt Ion:178 Resp: 51002  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.7 23.5  
179 17.3 12.3 18.5

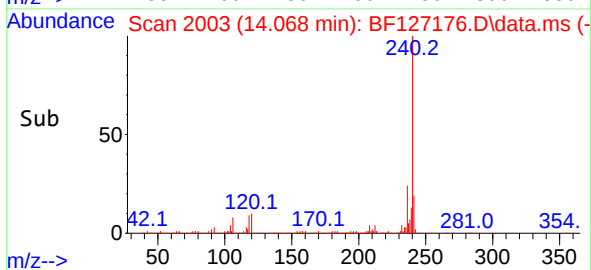
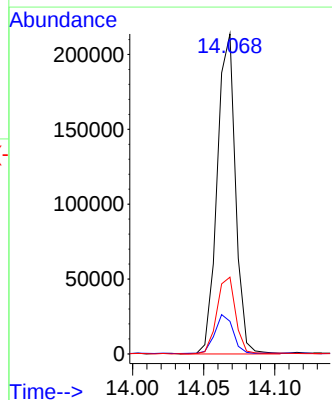
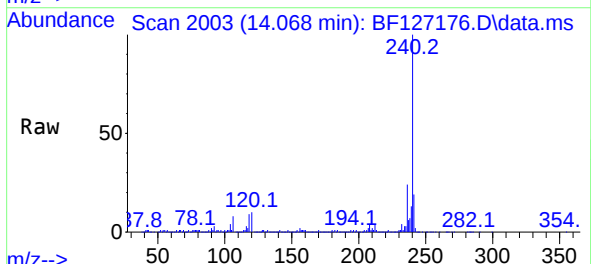
Manual Integrations  
APPROVED

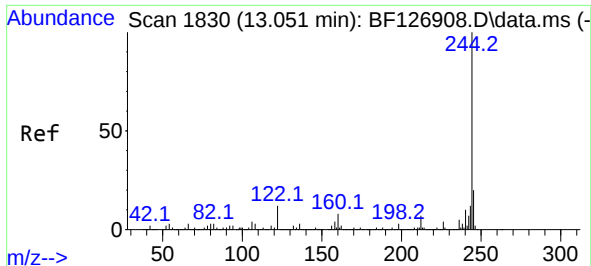
Reviewed By :Christian Giraldo 03/04/2022  
Supervised By :Jagrut Upadhyay 03/04/2022



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.068 min Scan# 2003  
Delta R.T. -0.006 min  
Lab File: BF127176.D  
Acq: 03 Mar 2022 17:36

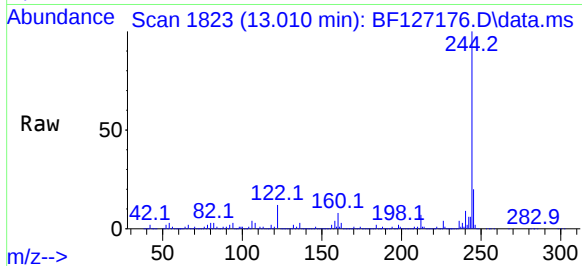
Tgt Ion:240 Resp: 192039  
Ion Ratio Lower Upper  
240 100  
120 10.2 14.4 21.6#  
236 24.0 20.5 30.7





#79  
Terphenyl-d14  
Concen: 106.690 ng  
RT: 13.010 min Scan# 1830  
Delta R.T. -0.006 min  
Lab File: BF127176.D  
Acq: 03 Mar 2022 17:36

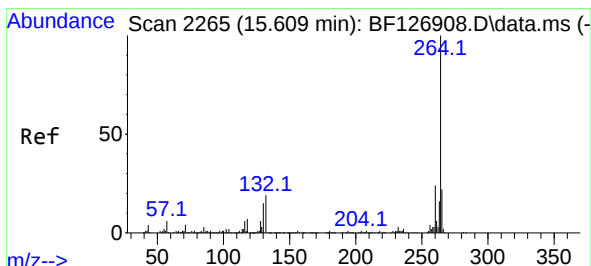
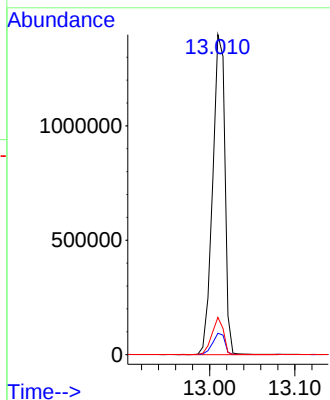
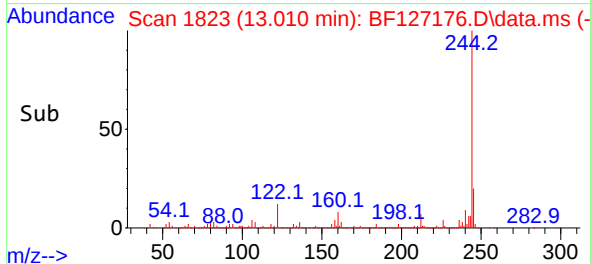
Instrument :  
BNA\_F  
ClientSampleId :  
MW-38



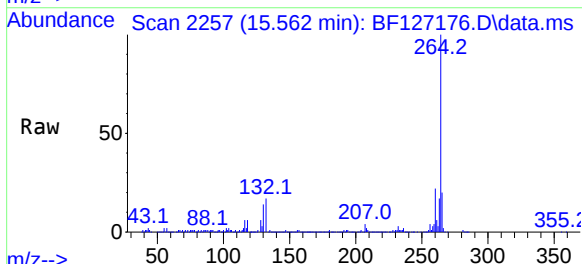
Tgt Ion:244 Resp: 1393752  
Ion Ratio Lower Upper  
244 100  
212 6.7 5.0 7.4  
122 11.6 13.3 19.9

Manual Integrations  
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Reviewed By :Christian Giraldo 03/04/2022  
Supervised By :Jagrut Upadhyay 03/04/2022



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.562 min Scan# 2257  
Delta R.T. -0.006 min  
Lab File: BF127176.D  
Acq: 03 Mar 2022 17:36



Tgt Ion:264 Resp: 187109  
Ion Ratio Lower Upper  
264 100  
260 22.1 19.2 28.8  
265 20.2 17.4 26.2

