

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030322\  
 Data File : BF127184.D  
 Acq On : 03 Mar 2022 21:24  
 Operator : CG\JU  
 Sample : N1751-09  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUM-15

Quant Time: Mar 04 02:15:08 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

### Manual Integrations APPROVED

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

Supervised By :Jagrut  
 Upadhyay  
 03/04/2022

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.887  | 152  | 110178   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.175  | 136  | 429996   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 9.934  | 164  | 196231   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.422 | 188  | 259471   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12            | 14.069 | 240  | 153234   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12            | 15.563 | 264  | 133794   | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.516  | 112  | 520733   | 73.048 | ng    | 0.00     |
| 7) Phenol-d6                | 6.522  | 99   | 689496   | 71.680 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.451  | 82   | 477586   | 50.133 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.722 | 330  | 147757   | 65.398 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.251  | 172  | 756502   | 56.754 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.010 | 244  | 479237   | 45.975 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 10) Phenol                  | 6.534  | 94   | 22387    | 2.303  | ng    | 82       |
| 71) Phenanthrene            | 11.445 | 178  | 100749   | 6.937  | ng    | 99       |
| 75) Fluoranthene            | 12.639 | 202  | 165834   | 12.026 | ng    | 93       |
| 78) Pyrene                  | 12.869 | 202  | 146241   | 10.985 | ng    | 98       |
| 81) Benzo(a)anthracene      | 14.057 | 228  | 61596    | 5.963  | ng    | 98       |
| 83) Chrysene                | 14.092 | 228  | 65294    | 6.721  | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene  | 17.068 | 276  | 30293m   | 3.453  | ng    |          |
| 88) Benzo(b)fluoranthene    | 15.121 | 252  | 85627m   | 9.529  | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.145 | 252  | 24029m   | 2.772  | ng    |          |
| 90) Benzo(a)pyrene          | 15.498 | 252  | 55141m   | 7.856  | ng    |          |
| 92) Benzo(g,h,i)perylene    | 17.533 | 276  | 30480    | 4.261  | ng    | # 89     |
| -----                       |        |      |          |        |       |          |

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

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Data File : BF127184.D  
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Operator : CG\JU  
Sample : N1751-09  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

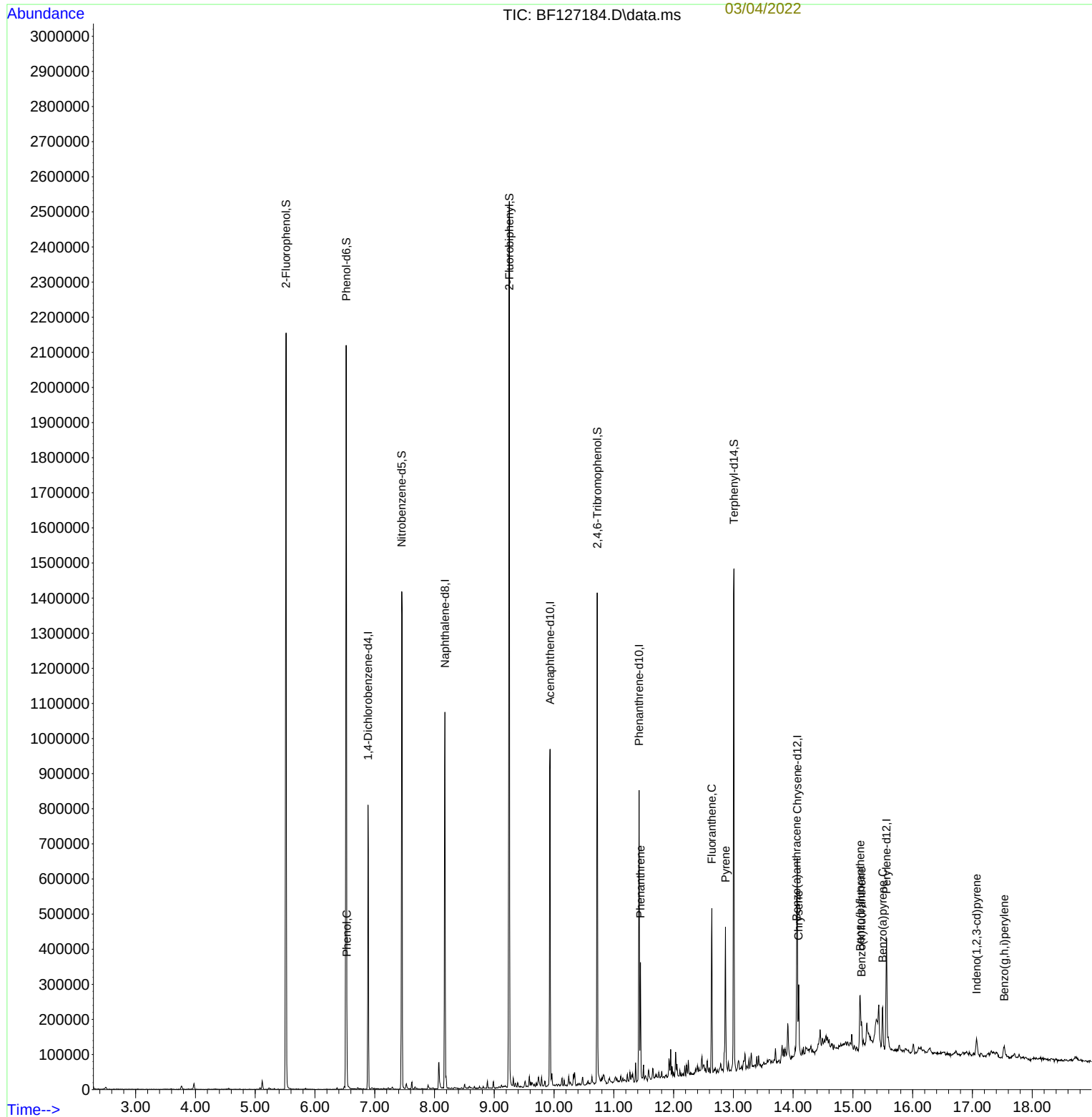
Instrument :  
BNA\_F  
ClientSampleId :  
DUM-15

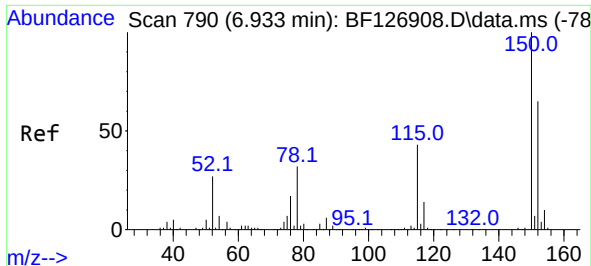
Quant Time: Mar 04 02:15:08 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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03/04/2022





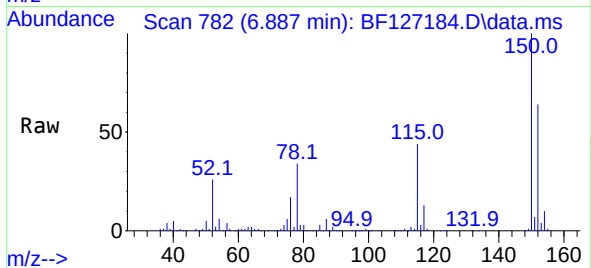
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 70  
Delta R.T. -0.006 min  
Lab File: BF127184.D  
Acq: 03 Mar 2022 21:24

Instrument :

BNA\_F

ClientSampleId :

DUM-15



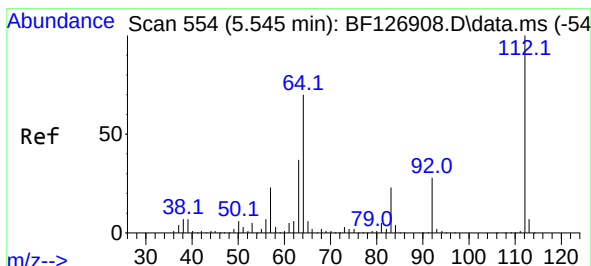
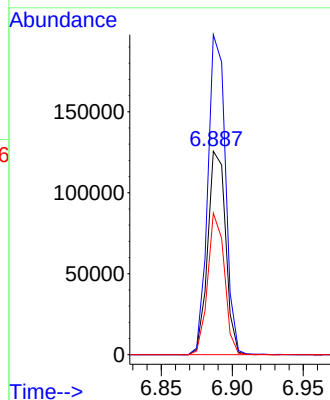
Tgt Ion:152 Resp: 110178  
Ion Ratio Lower Upper  
152 100  
150 157.3 128.1 192.1  
115 69.6 56.7 85.1

Manual Integrations

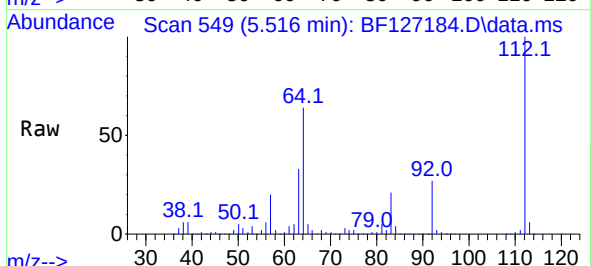
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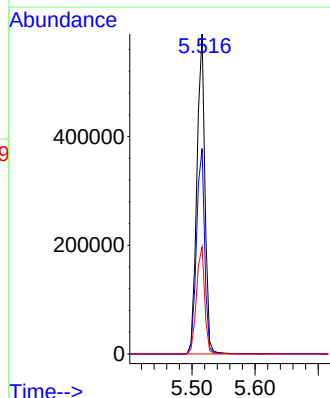
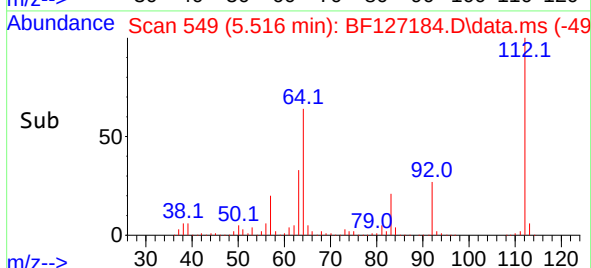
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03/04/2022

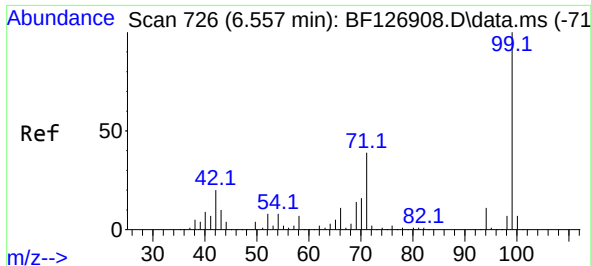


#5  
2-Fluorophenol  
Concen: 73.048 ng  
RT: 5.516 min Scan# 549  
Delta R.T. 0.006 min  
Lab File: BF127184.D  
Acq: 03 Mar 2022 21:24



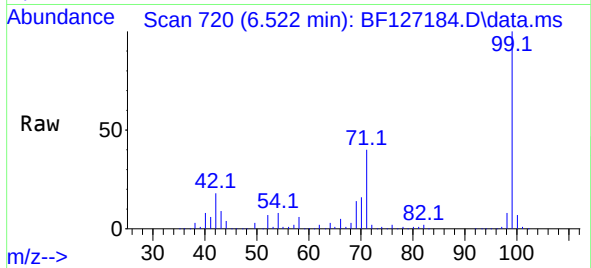
Tgt Ion:112 Resp: 520733  
Ion Ratio Lower Upper  
112 100  
64 64.2 49.5 74.3  
63 33.4 23.9 35.9





#7  
Phenol-d6  
Concen: 71.680 ng  
RT: 6.522 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF127184.D  
Acq: 03 Mar 2022 21:24

Instrument :  
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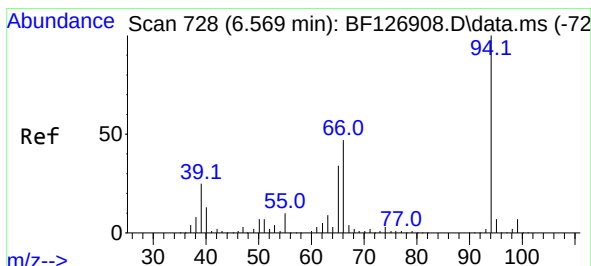
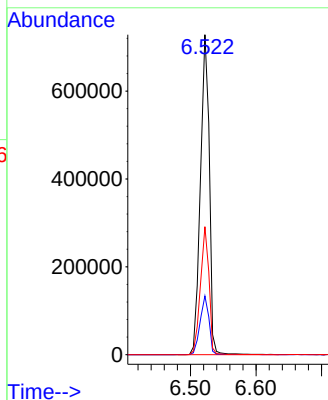
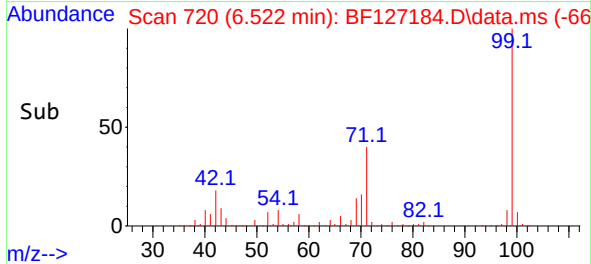


Tgt Ion: 99 Resp: 689490  
Ion Ratio Lower Upper  
99 100  
42 18.3 14.2 21.4  
71 40.0 24.3 36.5

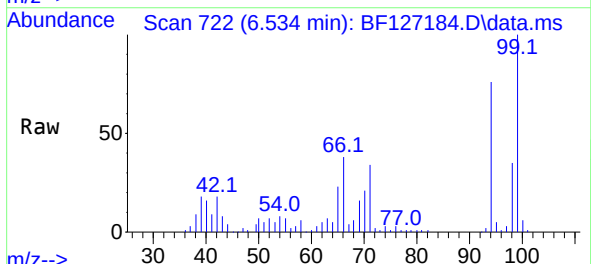
Manual Integrations  
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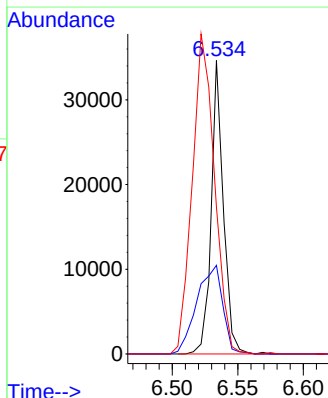
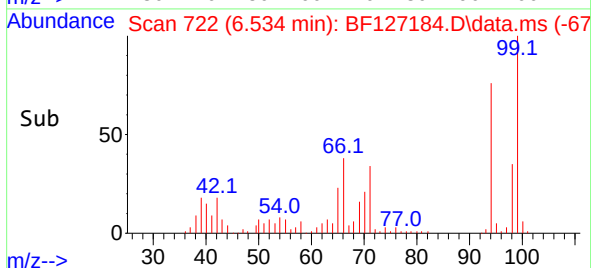
Supervised By :Jagrut  
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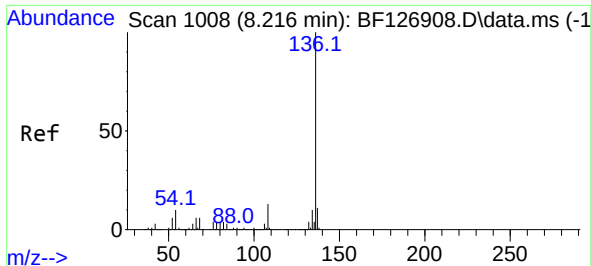


#10  
Phenol  
Concen: 2.303 ng  
RT: 6.534 min Scan# 722  
Delta R.T. -0.006 min  
Lab File: BF127184.D  
Acq: 03 Mar 2022 21:24



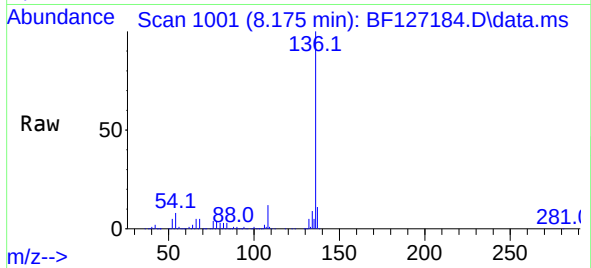
Tgt Ion: 94 Resp: 22387  
Ion Ratio Lower Upper  
94 100  
65 30.2 7.2 47.2  
66 50.1 14.5 54.5





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1008  
Delta R.T. 0.000 min  
Lab File: BF127184.D  
Acq: 03 Mar 2022 21:24

Instrument :  
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DUM-15

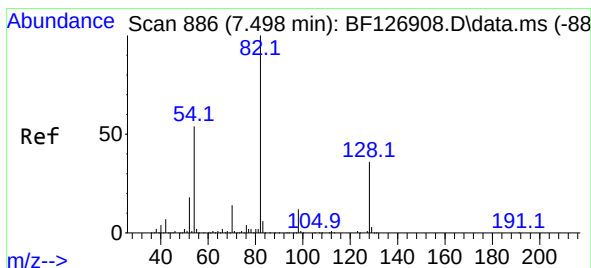
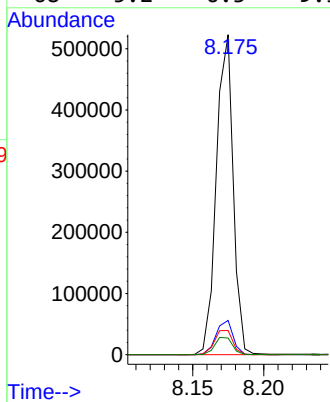
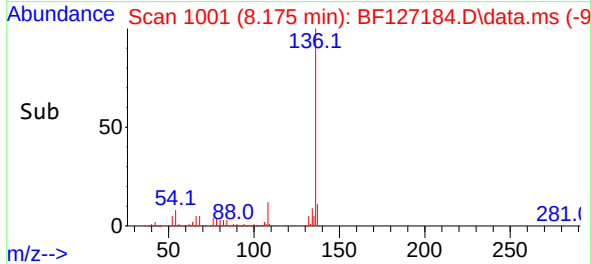


Tgt Ion:136 Resp: 429990  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 13.0  
54 7.6 7.8 11.6  
68 5.2 6.3 9.5

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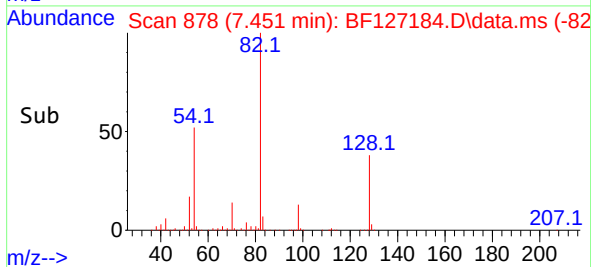
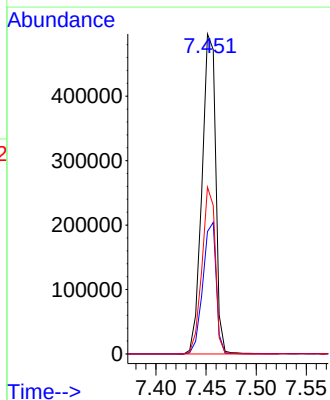
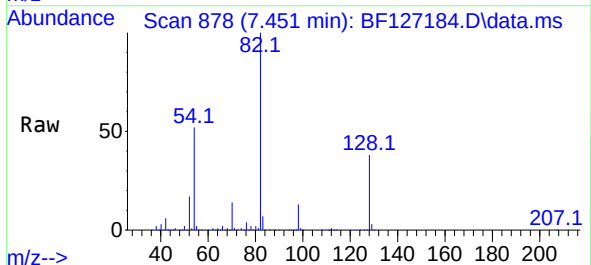
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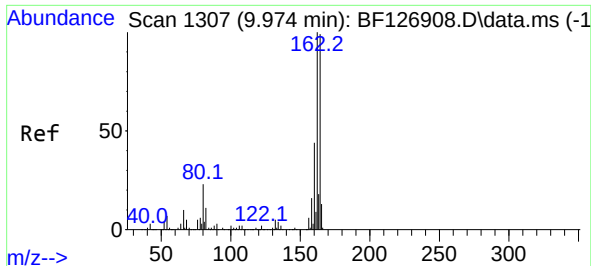
Supervised By :Jagrut  
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03/04/2022



#23  
Nitrobenzene-d5  
Concen: 50.133 ng  
RT: 7.451 min Scan# 878  
Delta R.T. -0.012 min  
Lab File: BF127184.D  
Acq: 03 Mar 2022 21:24

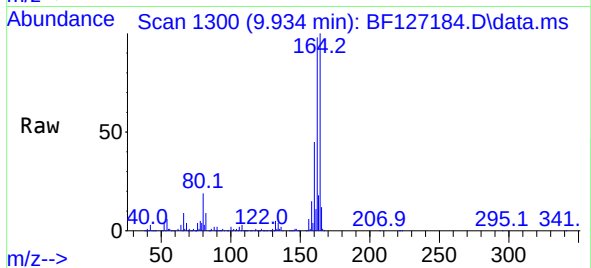
Tgt Ion: 82 Resp: 477586  
Ion Ratio Lower Upper  
82 100  
128 38.3 32.7 49.1  
54 52.1 41.7 62.5





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.934 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF127184.D  
Acq: 03 Mar 2022 21:24

Instrument :  
BNA\_F  
ClientSampleId :  
DUM-15

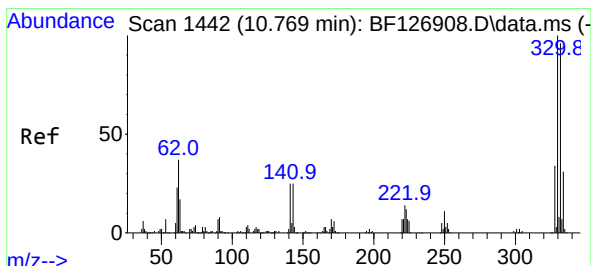
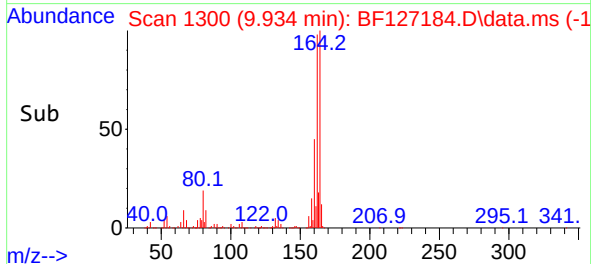
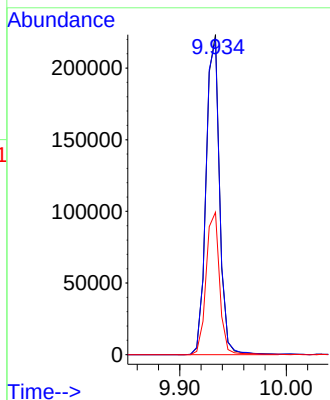


Tgt Ion:164 Resp: 19623  
Ion Ratio Lower Upper  
164 100  
162 98.2 81.4 122.0  
160 44.5 36.6 54.8

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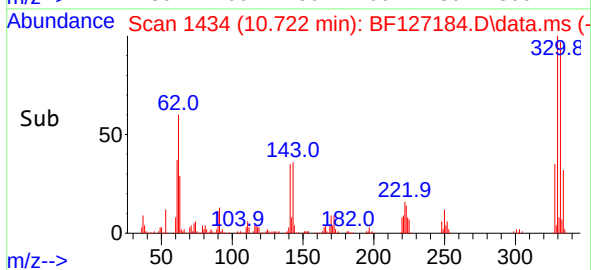
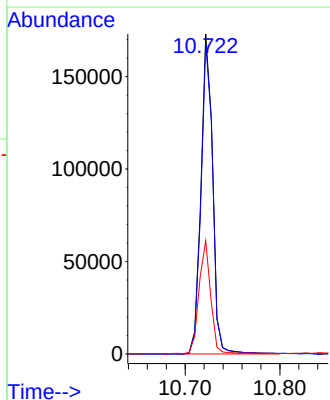
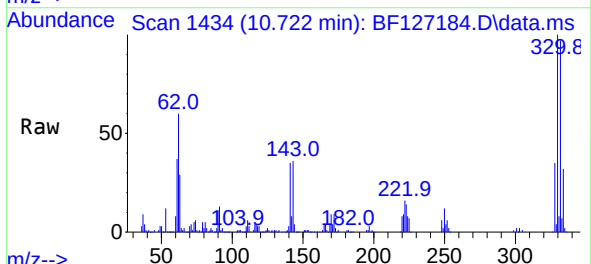
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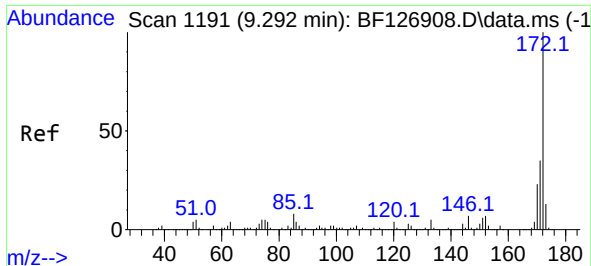
Supervised By :Jagrut  
Upadhyay  
03/04/2022



#42  
2,4,6-Tribromophenol  
Concen: 65.398 ng  
RT: 10.722 min Scan# 1434  
Delta R.T. -0.006 min  
Lab File: BF127184.D  
Acq: 03 Mar 2022 21:24

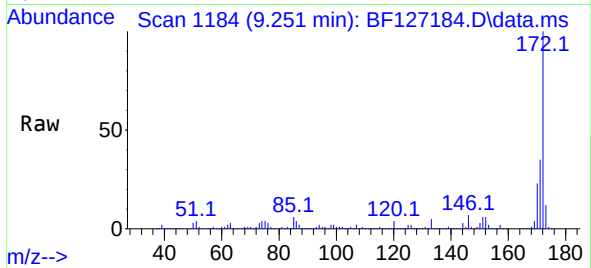
Tgt Ion:330 Resp: 147757  
Ion Ratio Lower Upper  
330 100  
332 97.8 76.0 114.0  
141 35.4 30.1 45.1





#45  
2-Fluorobiphenyl  
Concen: 56.754 ng  
RT: 9.251 min Scan# 1184  
Delta R.T. 0.000 min  
Lab File: BF127184.D  
Acq: 03 Mar 2022 21:24

Instrument :  
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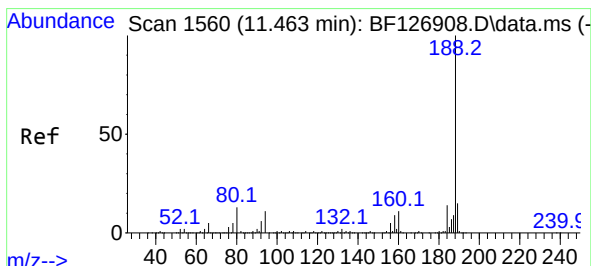
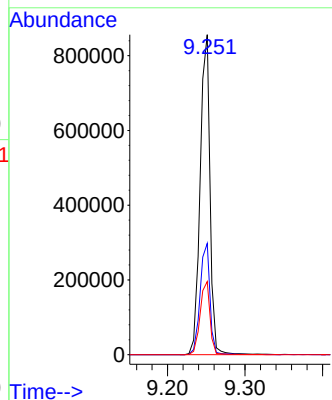
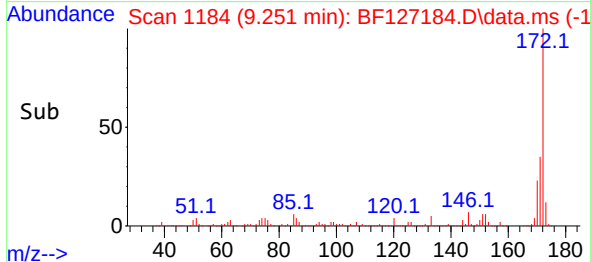


Tgt Ion:172 Resp: 756502  
Ion Ratio Lower Upper  
172 100  
171 34.8 28.3 42.5  
170 22.9 19.0 28.6

Manual Integrations  
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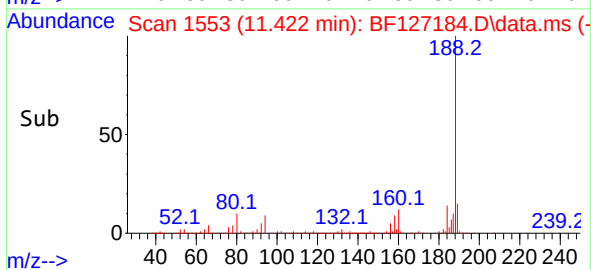
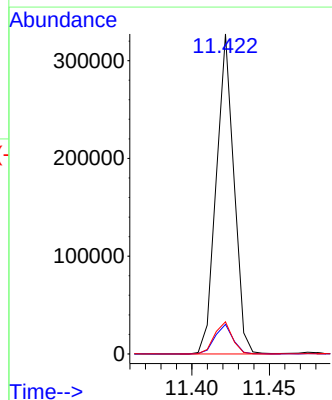
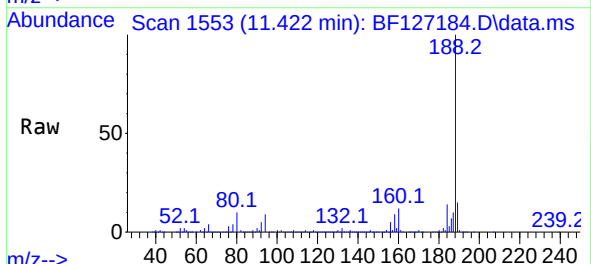
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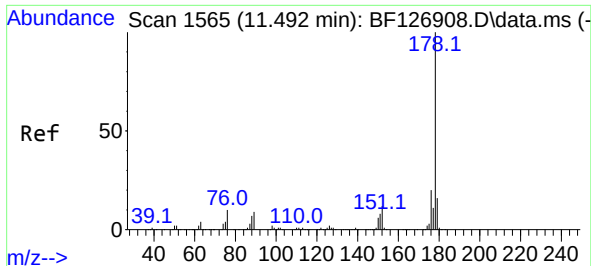
Supervised By :Jagrut  
Upadhyay  
03/04/2022



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.422 min Scan# 1553  
Delta R.T. -0.006 min  
Lab File: BF127184.D  
Acq: 03 Mar 2022 21:24

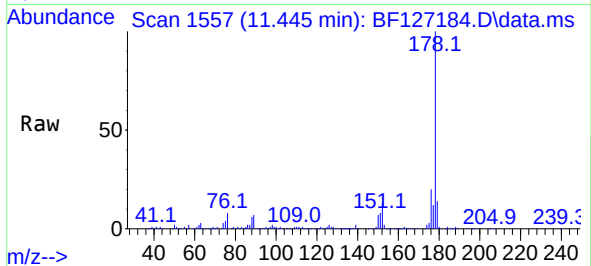
Tgt Ion:188 Resp: 259471  
Ion Ratio Lower Upper  
188 100  
94 9.2 10.1 15.1#  
80 10.1 11.8 17.6#





#71  
Phenanthrene  
Concen: 6.937 ng  
RT: 11.445 min Scan# 1565  
Delta R.T. -0.006 min  
Lab File: BF127184.D  
Acq: 03 Mar 2022 21:24

Instrument :  
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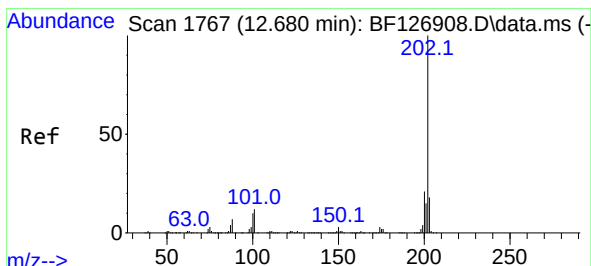
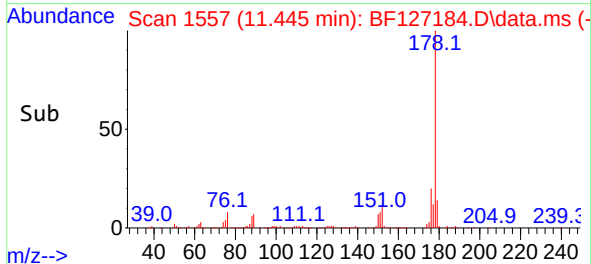
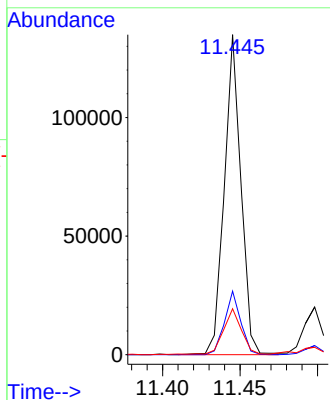


Tgt Ion:178 Resp: 100749  
Ion Ratio Lower Upper  
178 100  
176 19.8 15.7 23.5  
179 14.4 12.3 18.5

Manual Integrations  
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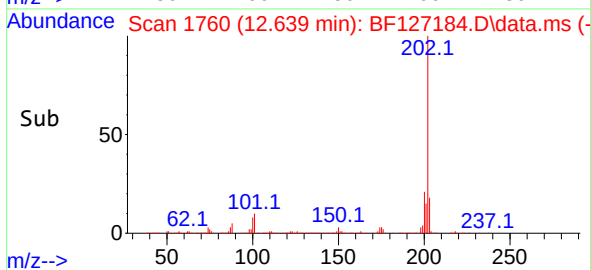
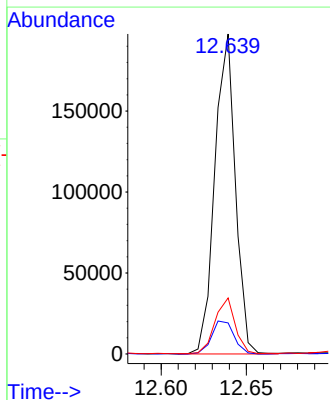
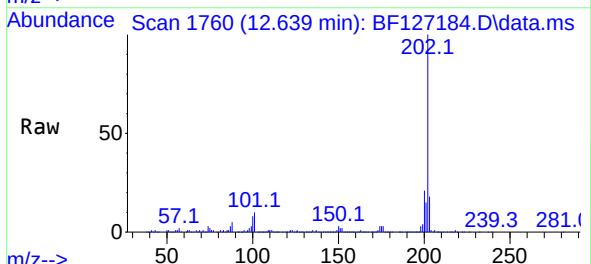
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Upadhyay  
03/04/2022

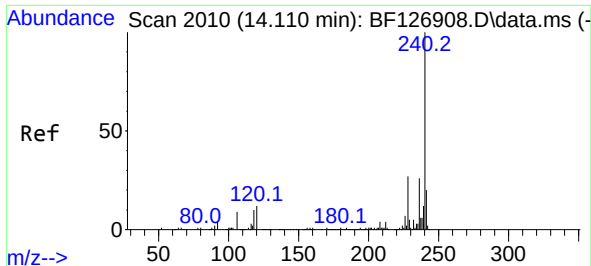


#75  
Fluoranthene  
Concen: 12.026 ng  
RT: 12.639 min Scan# 1760  
Delta R.T. -0.006 min  
Lab File: BF127184.D  
Acq: 03 Mar 2022 21:24

Tgt Ion:202 Resp: 165834  
Ion Ratio Lower Upper  
202 100  
101 9.7 0.0 35.7  
203 17.5 0.0 37.1







#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.069 min Scan# 2010  
Delta R.T. -0.006 min  
Lab File: BF127184.D  
Acq: 03 Mar 2022 21:24

Instrument :

BNA\_F

ClientSampleId :

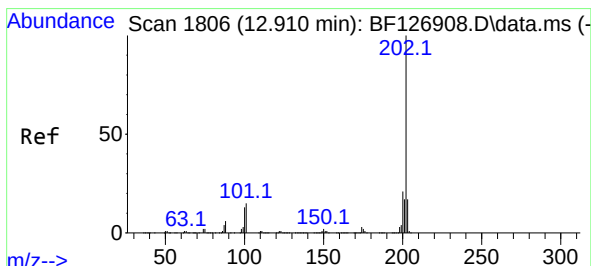
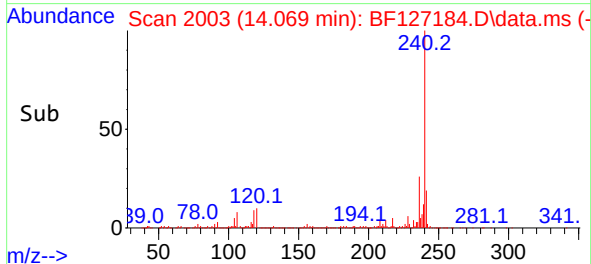
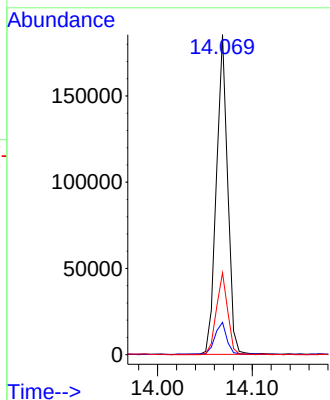
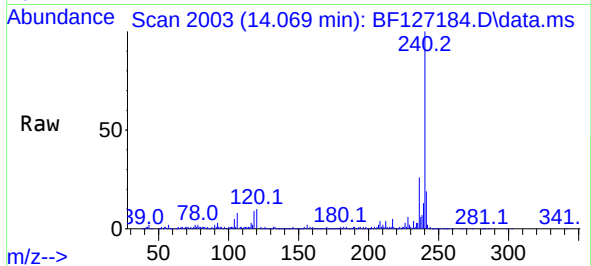
DUM-15

Tgt Ion:240 Resp: 153234  
Ion Ratio Lower Upper  
240 100  
120 10.1 14.4 21.6  
236 25.6 20.5 30.7

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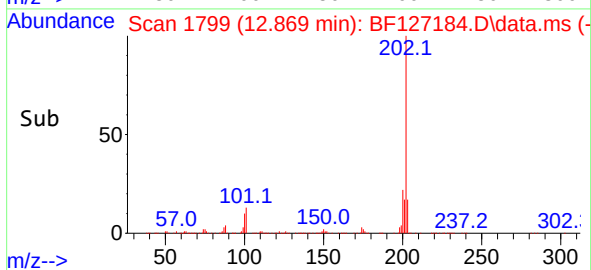
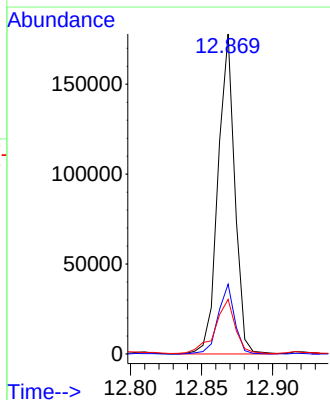
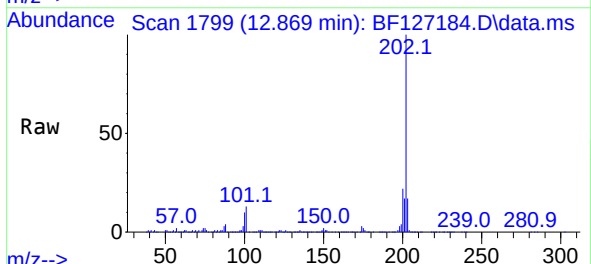
Reviewed By :Christian Giraldo 03/04/2022  
Supervised By :Jagrut Upadhyay 03/04/2022

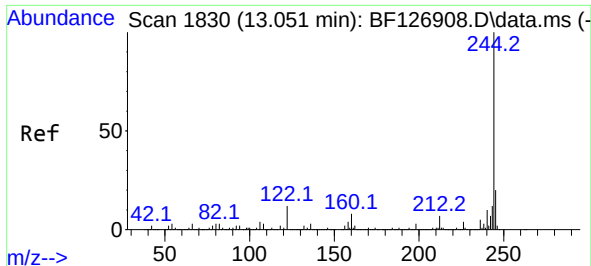
Supervised By :Jagrut  
Upadhyay  
03/04/2022



#78  
Pyrene  
Concen: 10.985 ng  
RT: 12.869 min Scan# 1799  
Delta R.T. -0.006 min  
Lab File: BF127184.D  
Acq: 03 Mar 2022 21:24

Tgt Ion:202 Resp: 146241  
Ion Ratio Lower Upper  
202 100  
200 21.8 16.6 24.8  
203 17.1 13.8 20.8





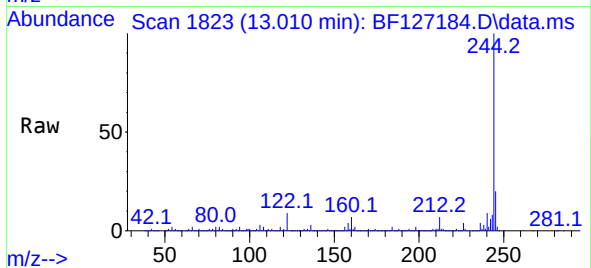
#79  
 Terphenyl-d14  
 Concen: 45.975 ng  
 RT: 13.010 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF127184.D  
 Acq: 03 Mar 2022 21:24

Instrument :

BNA\_F

ClientSampleId :

DUM-15



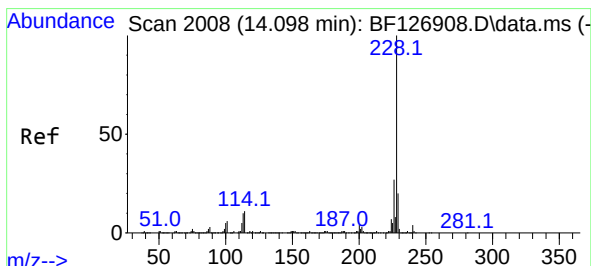
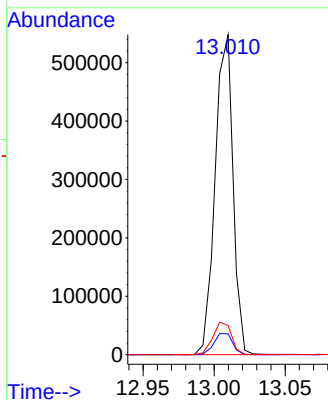
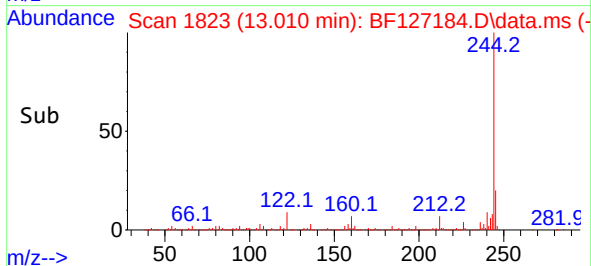
Tgt Ion:244 Resp: 47923  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 5.0 7.4  
 122 9.1 13.3 19.9

Manual Integrations

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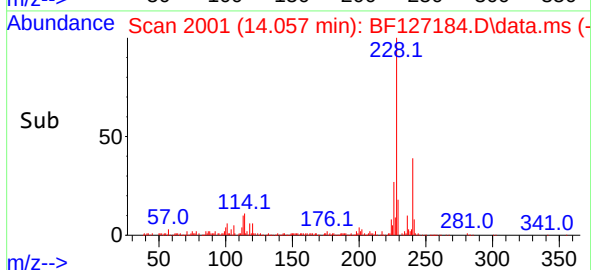
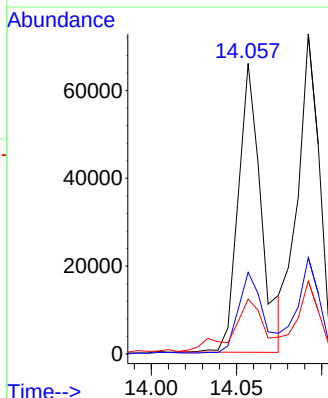
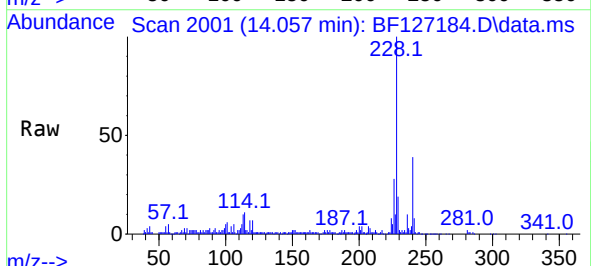
Reviewed By :Christian Giraldo 03/04/2022  
 Supervised By :Jagrut Upadhyay 03/04/2022

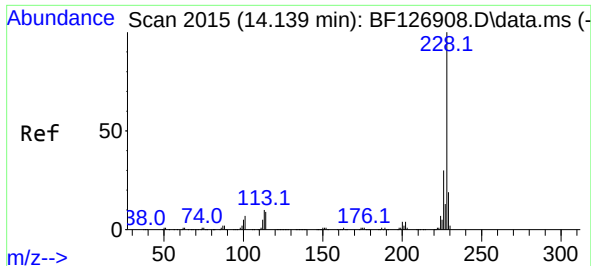
Supervised By :Jagrut  
 Upadhyay  
 03/04/2022



#81  
 Benzo(a)anthracene  
 Concen: 5.963 ng  
 RT: 14.057 min Scan# 2001  
 Delta R.T. -0.006 min  
 Lab File: BF127184.D  
 Acq: 03 Mar 2022 21:24

Tgt Ion:228 Resp: 61596  
 Ion Ratio Lower Upper  
 228 100  
 226 28.1 21.4 32.0  
 229 18.9 15.4 23.2





#83  
Chrysene  
Concen: 6.721 ng  
RT: 14.092 min Scan# 2015  
Delta R.T. -0.012 min  
Lab File: BF127184.D  
Acq: 03 Mar 2022 21:24

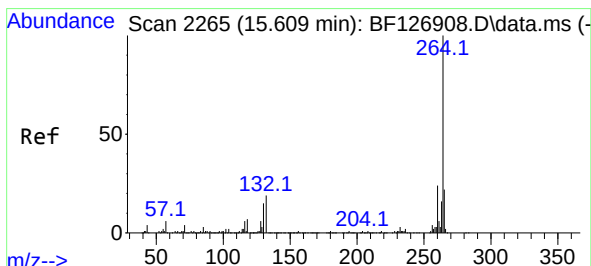
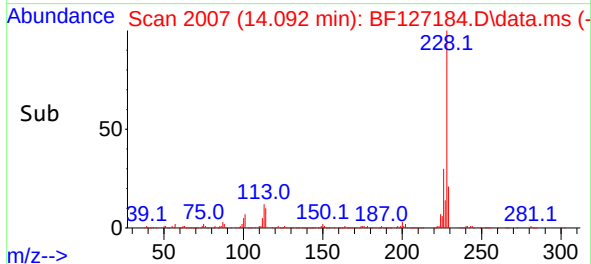
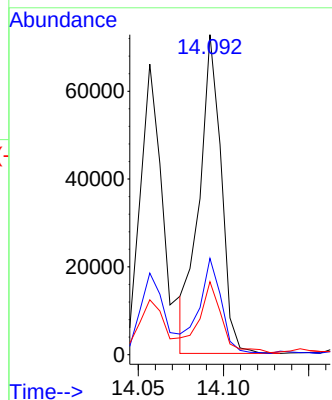
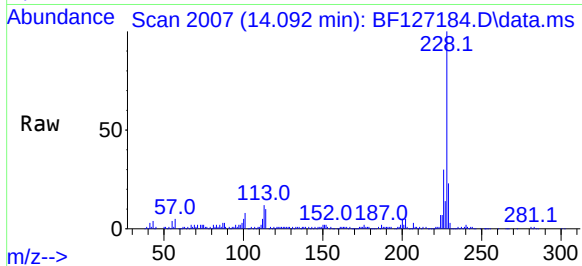
Instrument :  
BNA\_F  
ClientSampleId :  
DUM-15

Tgt Ion:228 Resp: 65294  
Ion Ratio Lower Upper  
228 100  
226 30.1 23.7 35.5  
229 22.8 15.5 23.3

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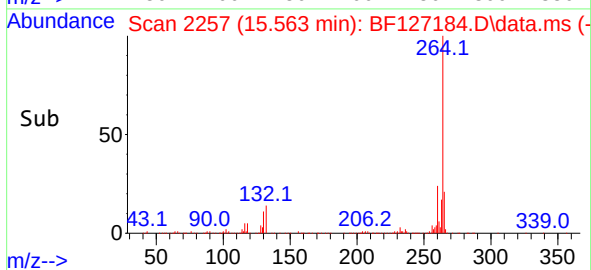
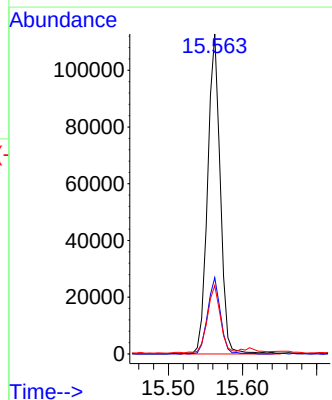
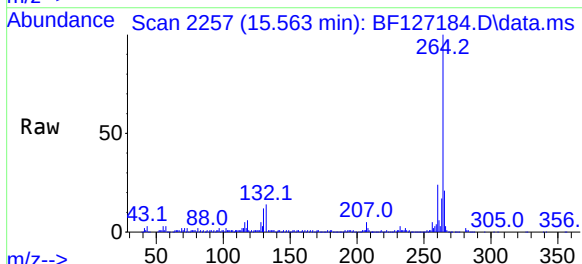
Reviewed By :Christian Giraldo 03/04/2022  
Supervised By :Jagrut Upadhyay 03/04/2022

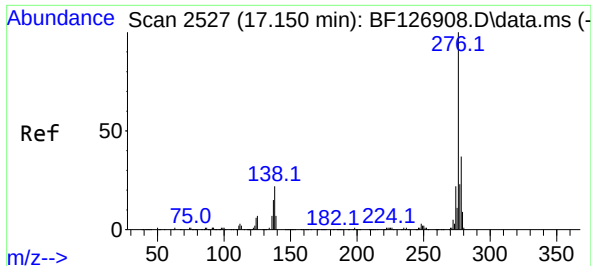
Supervised By :Jagrut  
Upadhyay  
03/04/2022



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.563 min Scan# 2257  
Delta R.T. -0.006 min  
Lab File: BF127184.D  
Acq: 03 Mar 2022 21:24

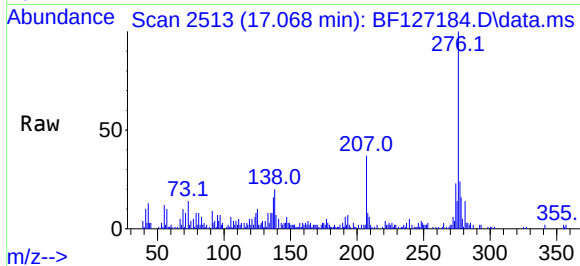
Tgt Ion:264 Resp: 133794  
Ion Ratio Lower Upper  
264 100  
260 23.8 19.2 28.8  
265 21.3 17.4 26.2





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 3.453 ng m  
RT: 17.068 min Scan# 2182  
Delta R.T. -0.018 min  
Lab File: BF127184.D  
Acq: 03 Mar 2022 21:24

Instrument :  
BNA\_F  
ClientSampleId :  
DUM-15

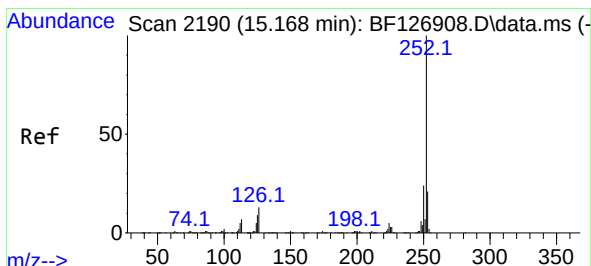
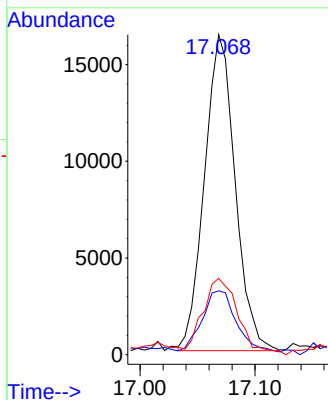
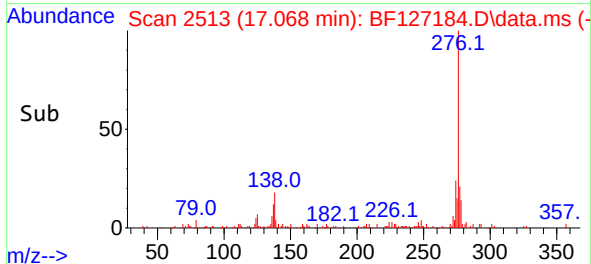


Tgt Ion: 276 Resp: 3029  
Ion Ratio Lower Upper  
276 100  
138 2.4 29.2 43.8  
277 2.0 19.8 29.8

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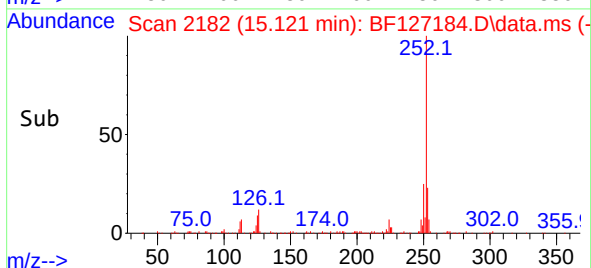
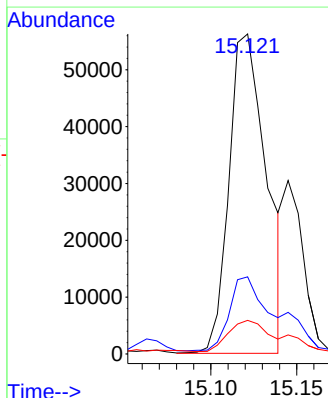
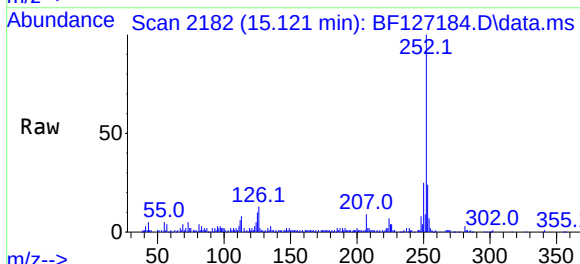
Reviewed By : Christian Giraldo 03/04/2022  
Supervised By : Jagrut Upadhyay 03/04/2022

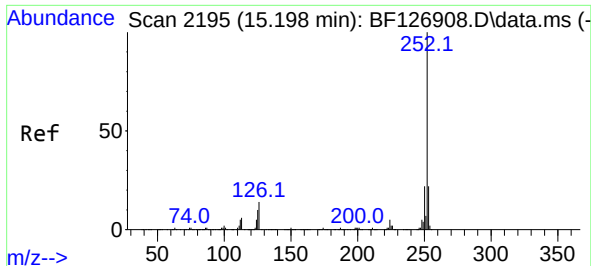
Supervised By : Jagrut  
Upadhyay  
03/04/2022



#88  
Benzo(b)fluoranthene  
Concen: 9.529 ng m  
RT: 15.121 min Scan# 2182  
Delta R.T. -0.006 min  
Lab File: BF127184.D  
Acq: 03 Mar 2022 21:24

Tgt Ion: 252 Resp: 85627  
Ion Ratio Lower Upper  
252 100  
253 24.1 17.8 26.8  
125 10.5 12.4 18.6





#89

Benzo(k)fluoranthene

Concen: 2.772 ng m

RT: 15.145 min Scan# 2195

Delta R.T. -0.012 min

Lab File: BF127184.D

Acq: 03 Mar 2022 21:24

Instrument :

BNA\_F

ClientSampleId :

DUM-15

Tgt Ion:252 Resp: 24029  
 Ion Ratio Lower Upper  
 252 100  
 253 24.0 17.5 26.3  
 125 11.0 11.8 17.6

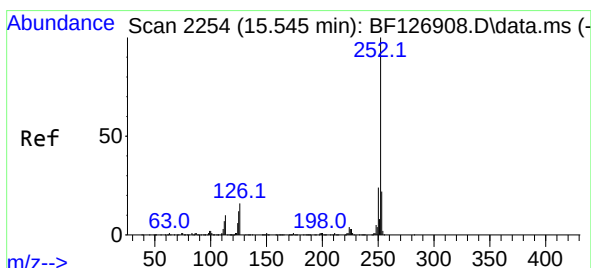
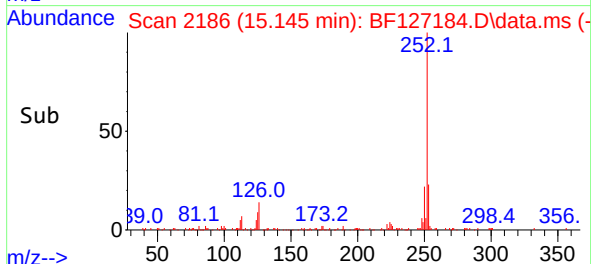
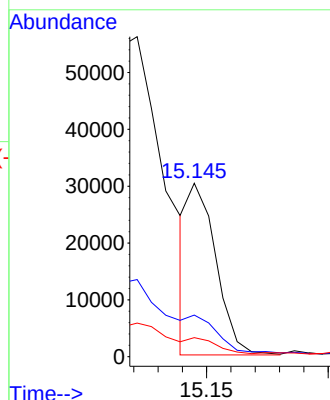
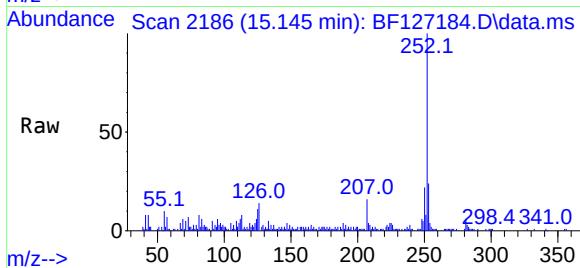
Manual Integrations

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Reviewed By :Christian Giraldo 03/04/2022

Supervised By :Jagrut Upadhyay 03/04/2022

Supervised By :Jagrut  
 Upadhyay  
 03/04/2022



#90

Benzo(a)pyrene

Concen: 7.856 ng m

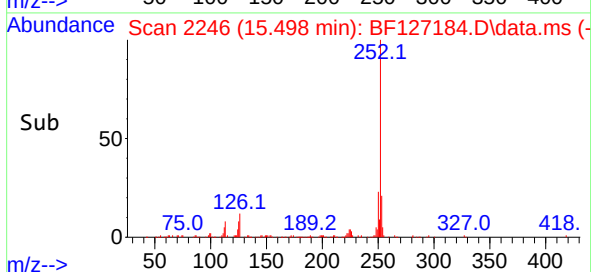
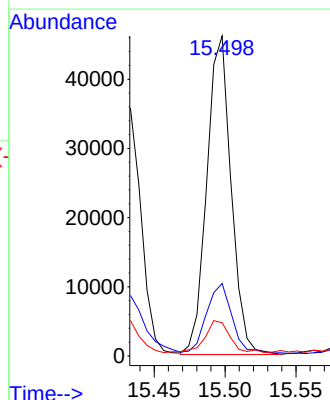
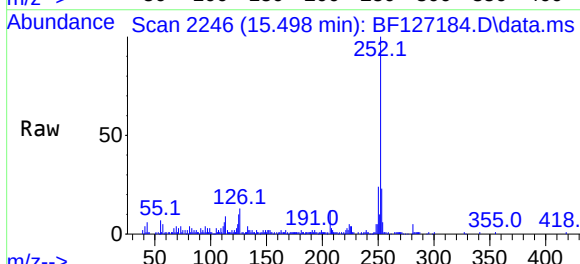
RT: 15.498 min Scan# 2246

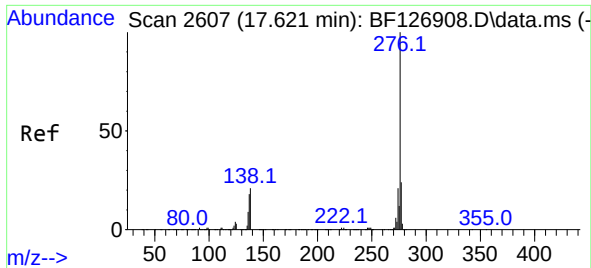
Delta R.T. -0.006 min

Lab File: BF127184.D

Acq: 03 Mar 2022 21:24

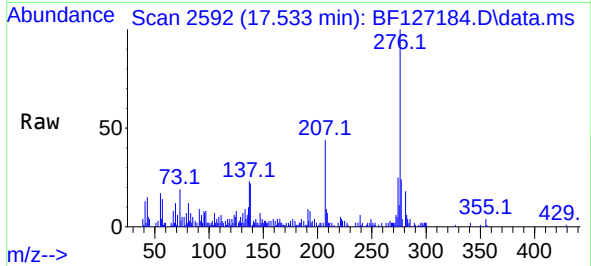
Tgt Ion:252 Resp: 55141  
 Ion Ratio Lower Upper  
 252 100  
 253 22.6 17.1 25.7  
 125 10.4 13.0 19.6





#92  
Benzo(g,h,i)perylene  
Concen: 4.261 ng  
RT: 17.533 min Scan# 20  
Delta R.T. -0.018 min  
Lab File: BF127184.D  
Acq: 03 Mar 2022 21:24

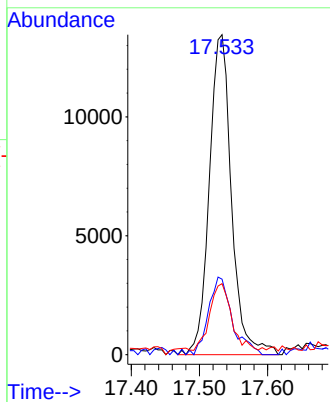
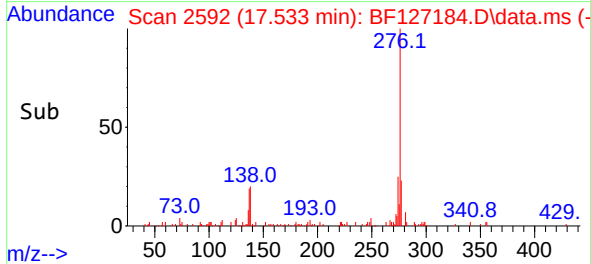
Instrument :  
BNA\_F  
ClientSampleId :  
DUM-15



Tgt Ion:276 Resp: 30480  
Ion Ratio Lower Upper  
276 100  
277 23.6 18.5 27.7  
138 22.2 25.9 38.9

Manual Integrations  
APPROVED

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



Supervised By :Jagrut  
Upadhyay  
03/04/2022