

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051622\  
 Data File : BF128277.D  
 Acq On : 16 May 2022 19:45  
 Operator : CG\JU  
 Sample : N2832-01  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB01

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 05/17/2022  
 Supervised By : Jagrut Upadhyay 05/17/2022

Quant Time: May 17 06:22:54 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF050922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat May 14 00:51:21 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.887  | 152  | 66376    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.169  | 136  | 221873   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.928  | 164  | 111666   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.416 | 188  | 208910   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.063 | 240  | 188828   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.557 | 264  | 124627   | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.510  | 112  | 362546   | 87.072 | ng    | 0.00     |
| 7) Phenol-d6                | 6.516  | 99   | 443385   | 80.510 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.451  | 82   | 307317   | 62.325 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.716 | 330  | 107072   | 83.606 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.239  | 172  | 441350   | 61.843 | ng    | -0.01    |
| 79) Terphenyl-d14           | 13.004 | 244  | 563852   | 56.031 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 11.439 | 178  | 41239    | 3.964  | ng    | 100      |
| 75) Fluoranthene            | 12.633 | 202  | 91753    | 8.136  | ng    | 97       |
| 78) Pyrene                  | 12.863 | 202  | 89434    | 6.532  | ng    | 100      |
| 81) Benzo(a)anthracene      | 14.051 | 228  | 51792    | 4.294  | ng    | 98       |
| 83) Chrysene                | 14.086 | 228  | 46065    | 4.003  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene  | 17.074 | 276  | 19497    | 2.586  | ng    | 95       |
| 88) Benzo(b)fluoranthene    | 15.116 | 252  | 45474m   | 5.886  | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.145 | 252  | 17681m   | 2.318  | ng    |          |
| 90) Benzo(a)pyrene          | 15.492 | 252  | 32558    | 5.220  | ng    | # 93     |
| 92) Benzo(g,h,i)perylene    | 17.533 | 276  | 21357    | 3.456  | ng    | # 93     |
| -----                       |        |      |          |        |       |          |

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

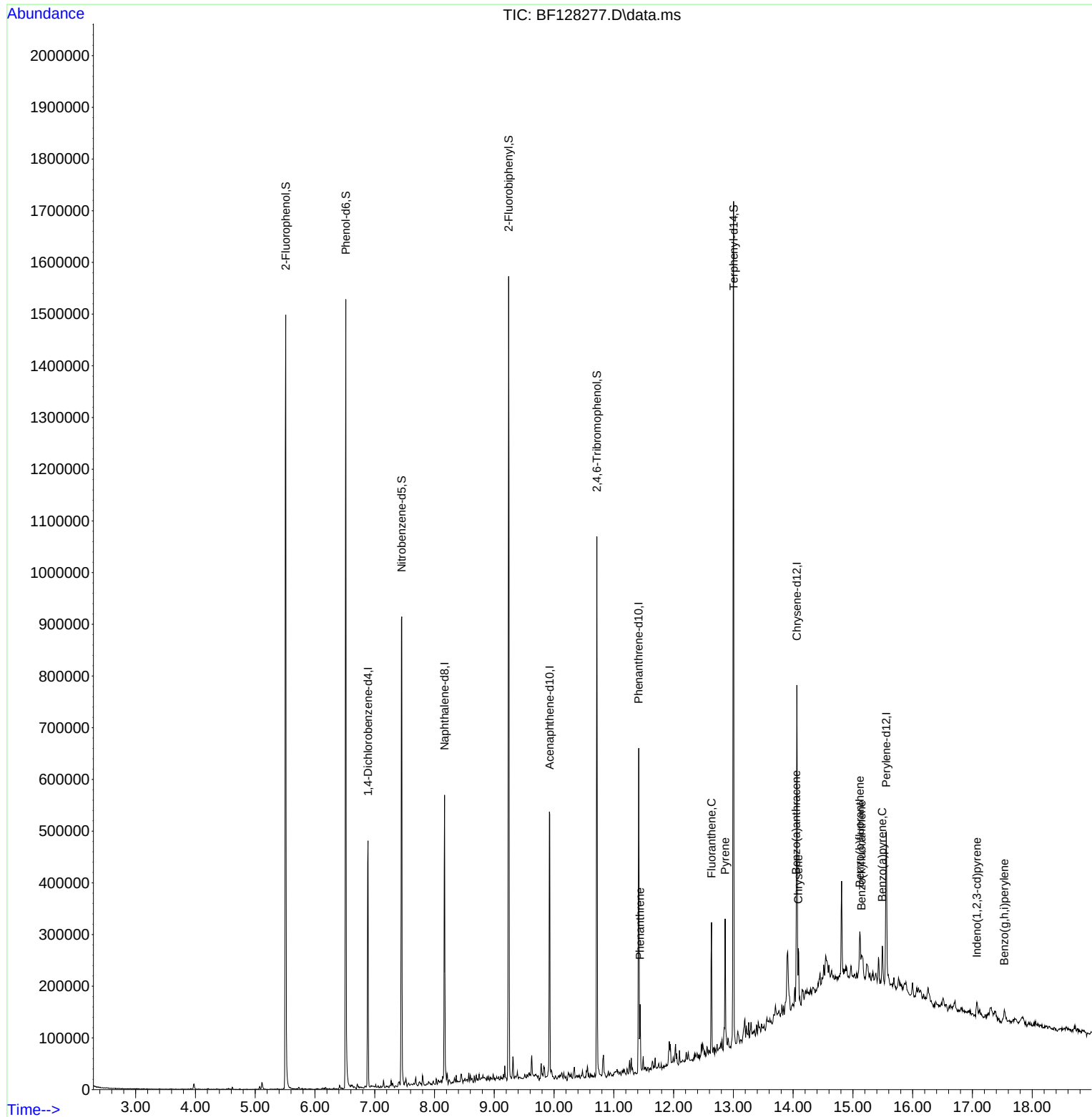
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051622\  
Data File : BF128277.D  
Acq On : 16 May 2022 19:45  
Operator : CG\JU  
Sample : N2832-01  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

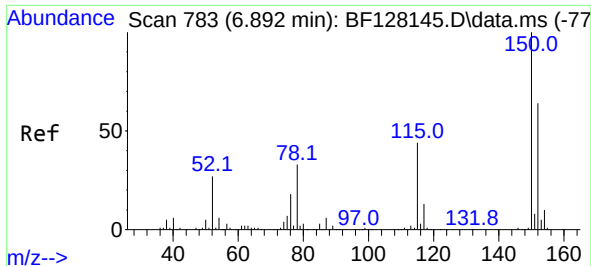
Instrument :  
BNA\_F  
ClientSampleId :  
SB01

Quant Time: May 17 06:22:54 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF050922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat May 14 00:51:21 2022  
Response via : Initial Calibration

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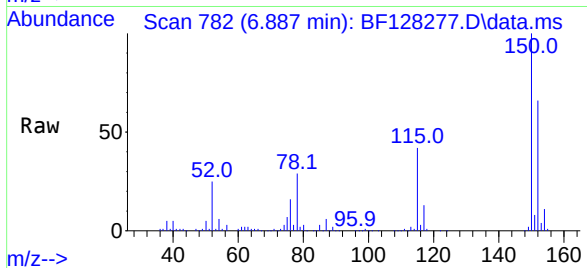
Reviewed By : Christian Giraldo 05/17/2022  
Supervised By : Jagrut Upadhyay 05/17/2022





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF128277.D  
Acq: 16 May 2022 19:45

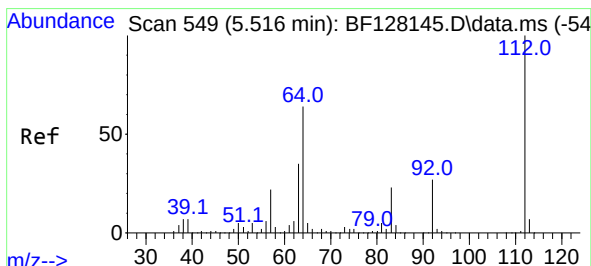
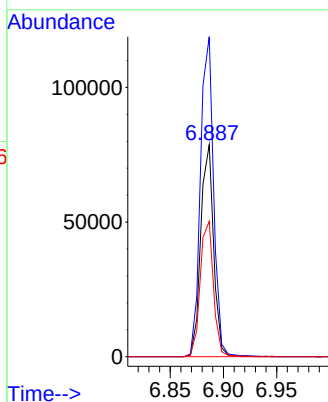
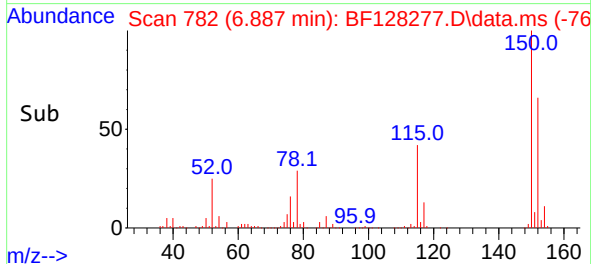
Instrument :  
BNA\_F  
ClientSampleId :  
SB01



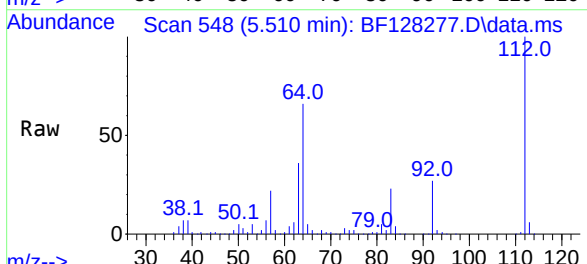
Tgt Ion:152 Resp: 66370  
Ion Ratio Lower Upper  
152 100  
150 150.9 125.3 187.9  
115 63.8 48.8 73.2

Manual Integrations  
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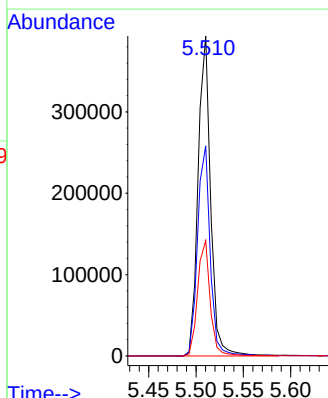
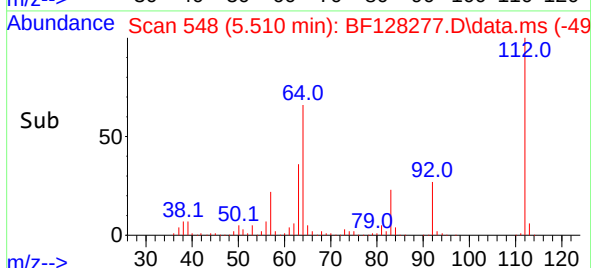
Reviewed By :Christian Giraldo 05/17/2022  
Supervised By :Jagrut Upadhyay 05/17/2022

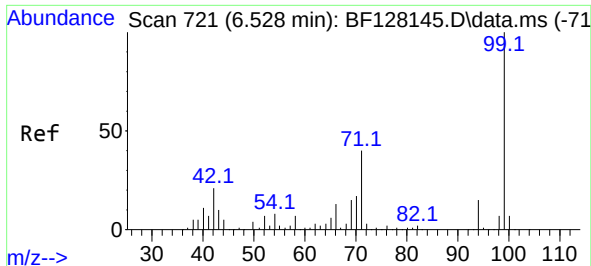


#5  
2-Fluorophenol  
Concen: 87.072 ng  
RT: 5.510 min Scan# 548  
Delta R.T. 0.000 min  
Lab File: BF128277.D  
Acq: 16 May 2022 19:45



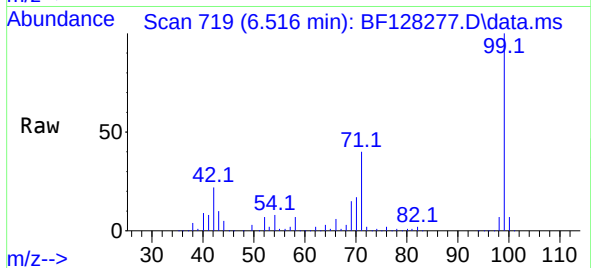
Tgt Ion:112 Resp: 362546  
Ion Ratio Lower Upper  
112 100  
64 65.7 49.5 74.3  
63 36.0 26.3 39.5





#7  
Phenol-d6  
Concen: 80.510 ng  
RT: 6.516 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF128277.D  
Acq: 16 May 2022 19:45

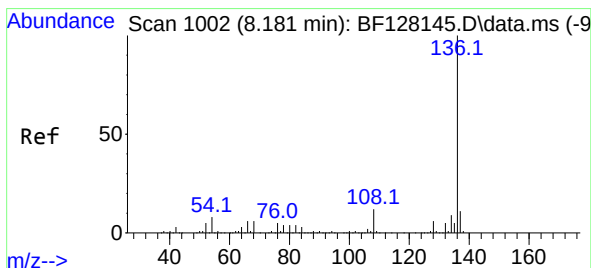
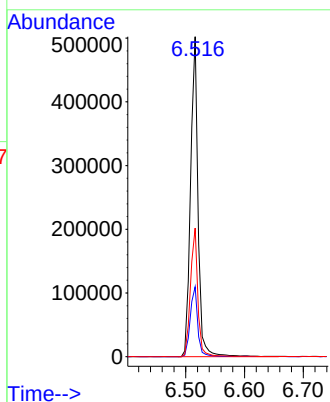
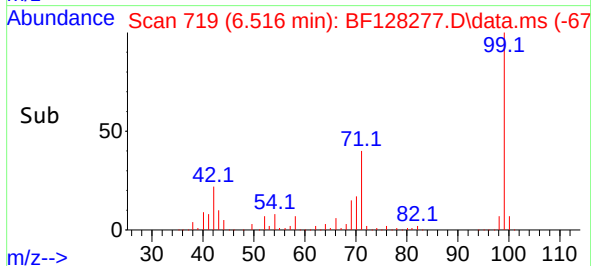
Instrument :  
BNA\_F  
ClientSampleId :  
SB01



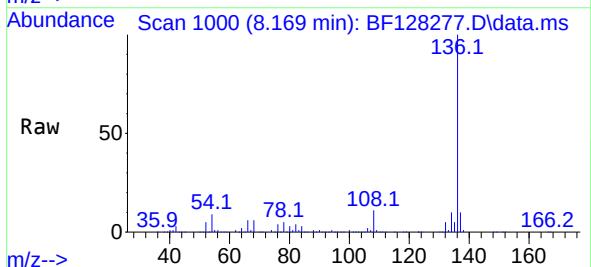
Tgt Ion: 99 Resp: 443385  
Ion Ratio Lower Upper  
99 100  
42 21.8 16.6 24.8  
71 40.2 30.0 45.0

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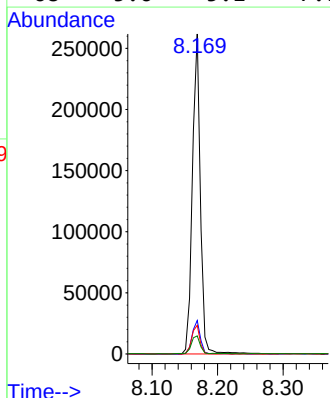
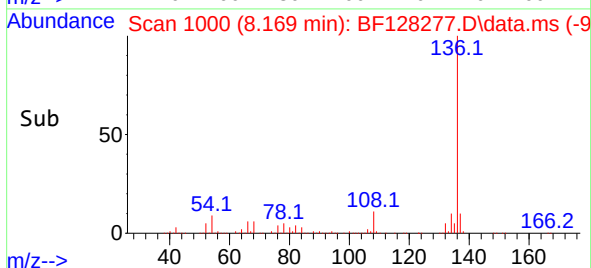
Reviewed By :Christian Giraldo 05/17/2022  
Supervised By :Jagrut Upadhyay 05/17/2022

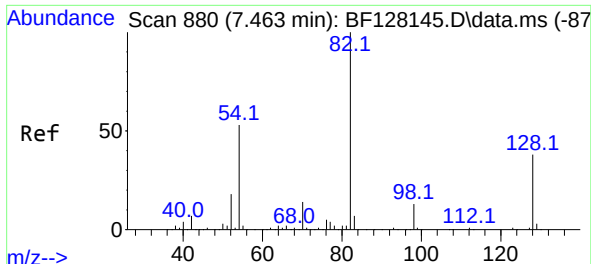


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1000  
Delta R.T. -0.006 min  
Lab File: BF128277.D  
Acq: 16 May 2022 19:45



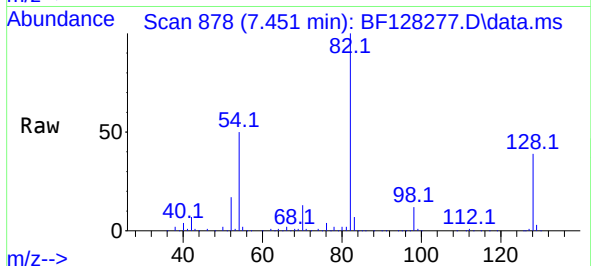
Tgt Ion:136 Resp: 221873  
Ion Ratio Lower Upper  
136 100  
137 10.5 8.6 13.0  
54 8.9 6.8 10.2  
68 5.6 5.1 7.7





#23  
Nitrobenzene-d5  
Concen: 62.325 ng  
RT: 7.451 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF128277.D  
Acq: 16 May 2022 19:45

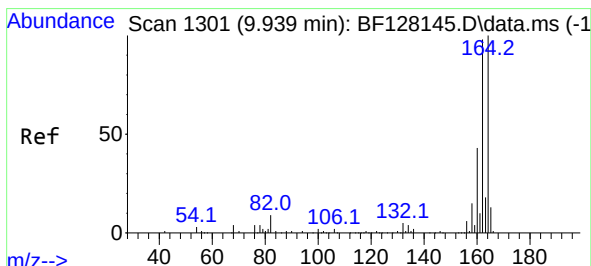
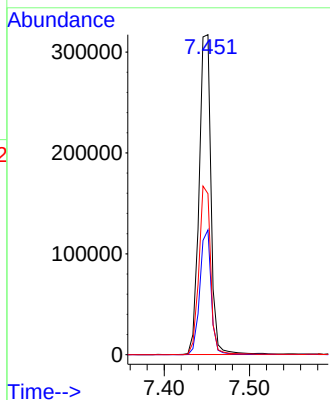
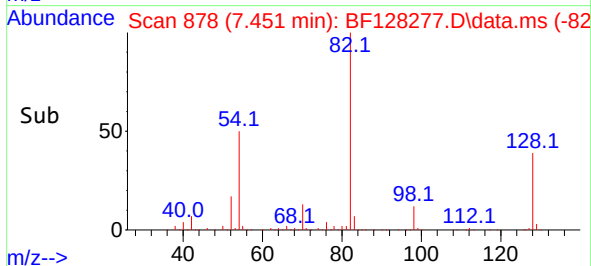
Instrument :  
BNA\_F  
ClientSampleId :  
SB01



Tgt Ion: 82 Resp: 30731  
Ion Ratio Lower Upper  
82 100  
128 39.0 30.0 45.0  
54 50.3 41.3 61.9

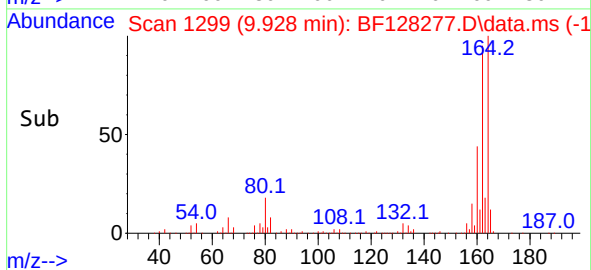
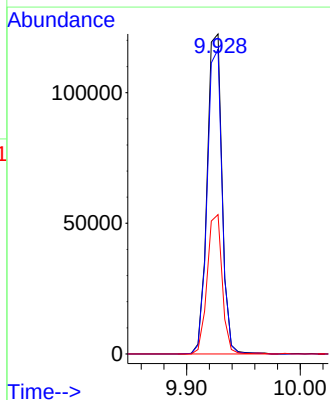
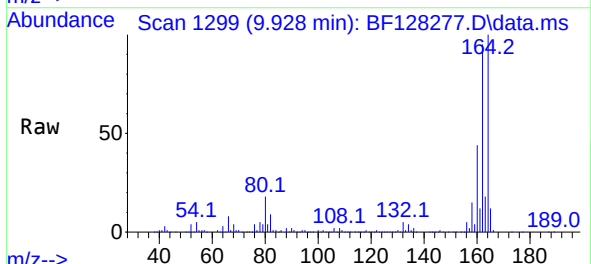
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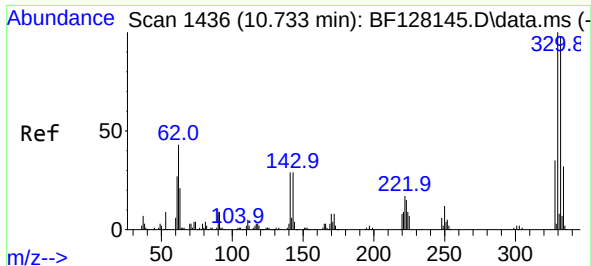
Reviewed By :Christian Giraldo 05/17/2022  
Supervised By :Jagrut Upadhyay 05/17/2022



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.928 min Scan# 1299  
Delta R.T. -0.006 min  
Lab File: BF128277.D  
Acq: 16 May 2022 19:45

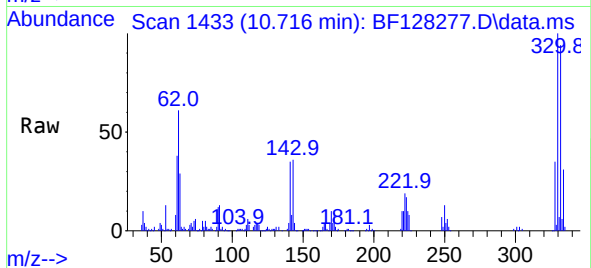
Tgt Ion:164 Resp: 111666  
Ion Ratio Lower Upper  
164 100  
162 95.2 76.0 114.0  
160 43.5 34.8 52.2





#42  
2,4,6-Tribromophenol  
Concen: 83.606 ng  
RT: 10.716 min Scan# 1433  
Delta R.T. -0.012 min  
Lab File: BF128277.D  
Acq: 16 May 2022 19:45

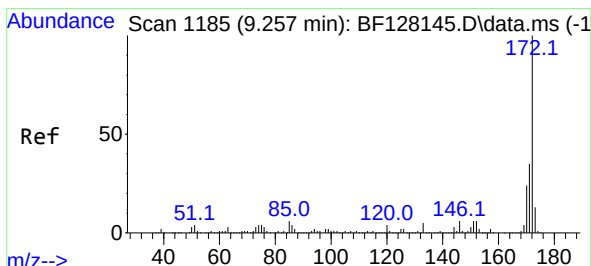
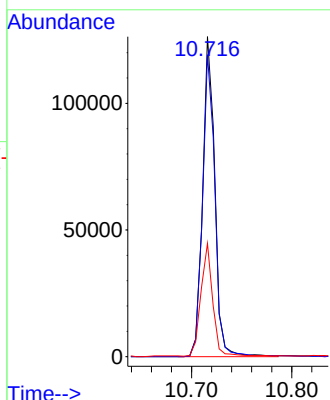
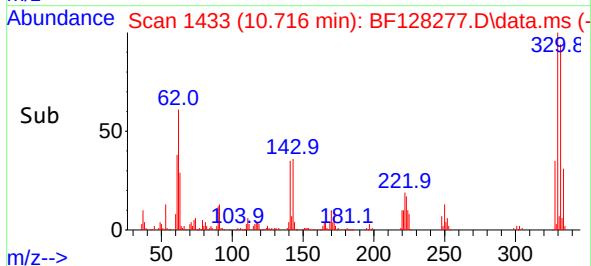
Instrument :  
BNA\_F  
ClientSampleId :  
SB01



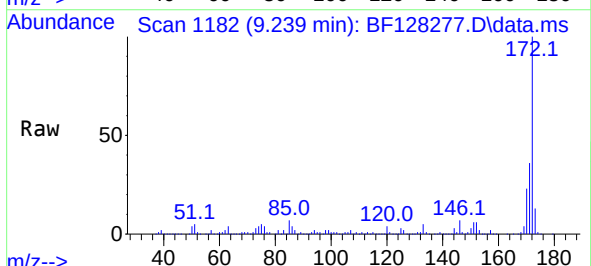
Tgt Ion: 330 Resp: 107072  
Ion Ratio Lower Upper  
330 100  
332 96.3 79.0 118.4  
141 34.3 28.9 43.3

Manual Integrations  
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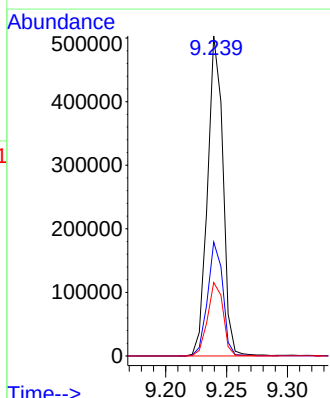
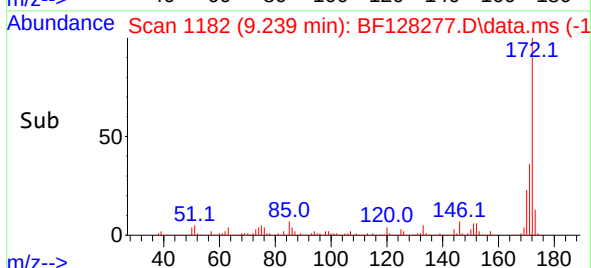
Reviewed By : Christian Giraldo 05/17/2022  
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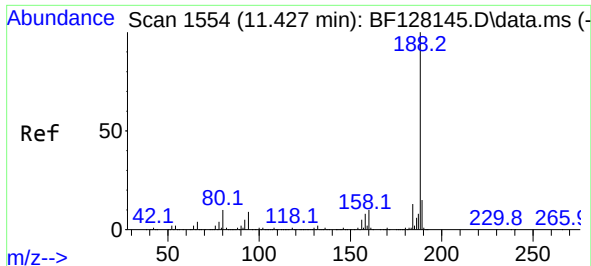


#45  
2-Fluorobiphenyl  
Concen: 61.843 ng  
RT: 9.239 min Scan# 1182  
Delta R.T. -0.012 min  
Lab File: BF128277.D  
Acq: 16 May 2022 19:45



Tgt Ion: 172 Resp: 441350  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.6 42.8  
170 23.0 19.1 28.7





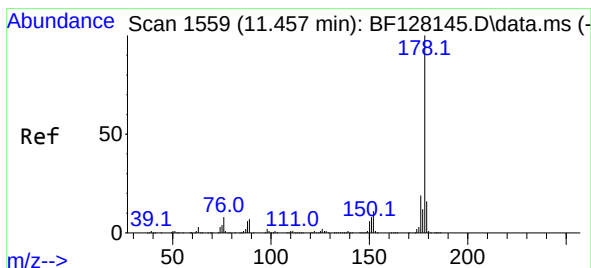
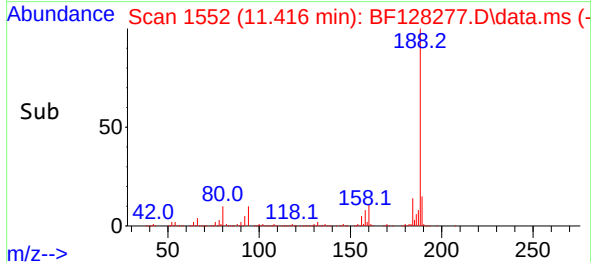
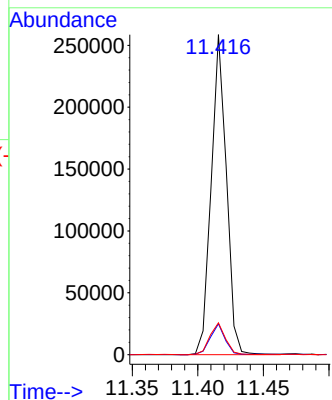
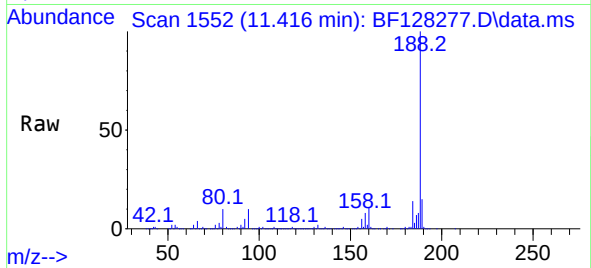
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.416 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF128277.D  
Acq: 16 May 2022 19:45

Instrument :  
BNA\_F  
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SB01

Tgt Ion:188 Resp: 208910  
Ion Ratio Lower Upper  
188 100  
94 9.6 8.0 12.0  
80 10.0 8.9 13.3

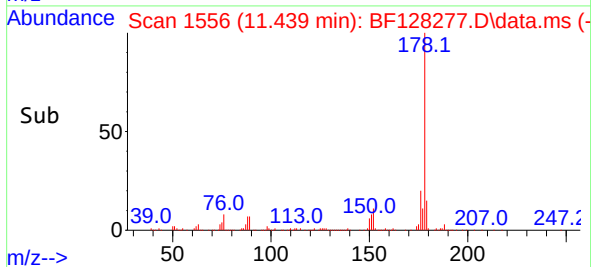
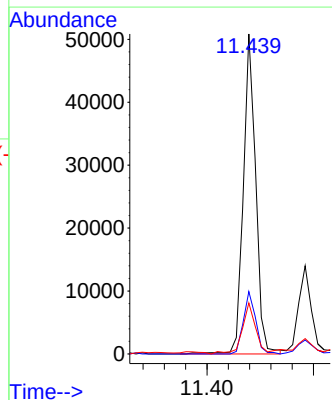
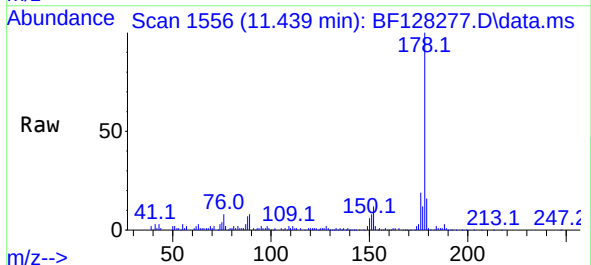
Manual Integrations  
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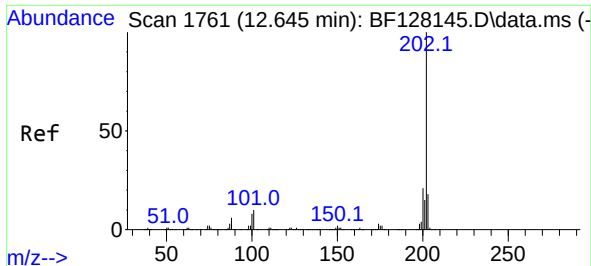
Reviewed By :Christian Giraldo 05/17/2022  
Supervised By :Jagrut Upadhyay 05/17/2022



#71  
Phenanthrene  
Concen: 3.964 ng  
RT: 11.439 min Scan# 1556  
Delta R.T. -0.012 min  
Lab File: BF128277.D  
Acq: 16 May 2022 19:45

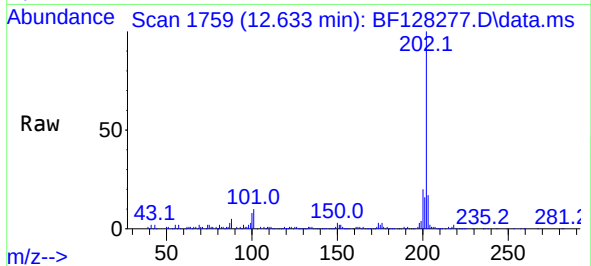
Tgt Ion:178 Resp: 41239  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.7 23.5  
179 16.0 12.6 19.0





#75  
Fluoranthene  
Concen: 8.136 ng  
RT: 12.633 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF128277.D  
Acq: 16 May 2022 19:45

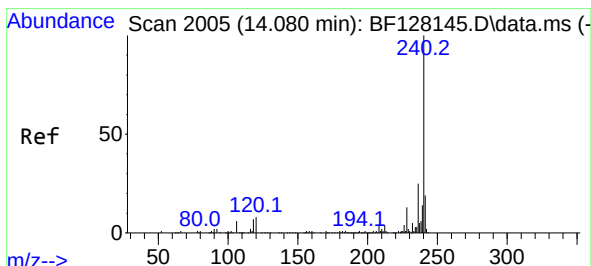
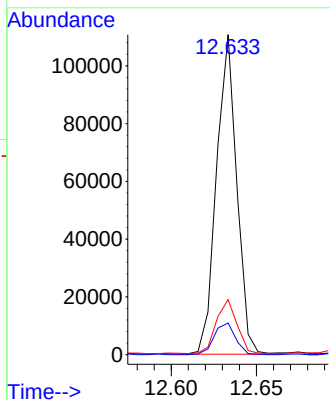
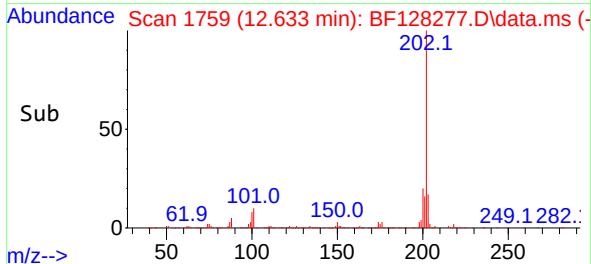
Instrument :  
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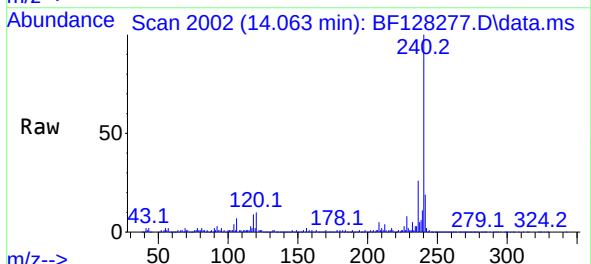
Tgt Ion:202 Resp: 9175  
Ion Ratio Lower Upper  
202 100  
101 9.9 0.0 31.6  
203 17.2 0.0 38.1

Manual Integrations  
APPROVED

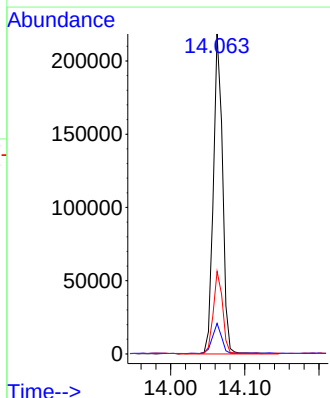
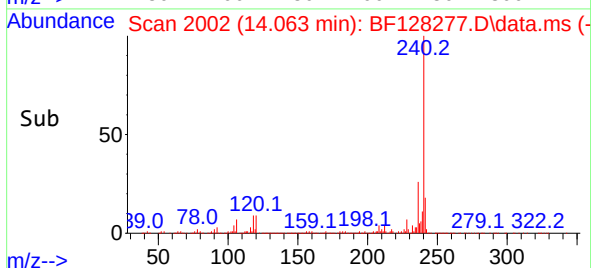
Reviewed By :Christian Giraldo 05/17/2022  
Supervised By :Jagrut Upadhyay 05/17/2022



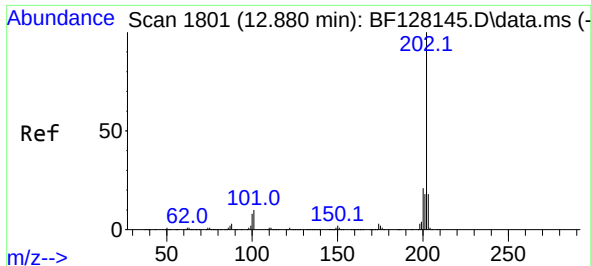
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.063 min Scan# 2002  
Delta R.T. -0.006 min  
Lab File: BF128277.D  
Acq: 16 May 2022 19:45



Tgt Ion:240 Resp: 188828  
Ion Ratio Lower Upper  
240 100  
120 9.6 7.0 10.6  
236 25.8 20.3 30.5

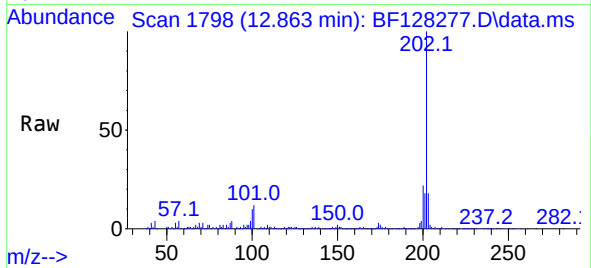






#78  
Pyrene  
Concen: 6.532 ng  
RT: 12.863 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF128277.D  
Acq: 16 May 2022 19:45

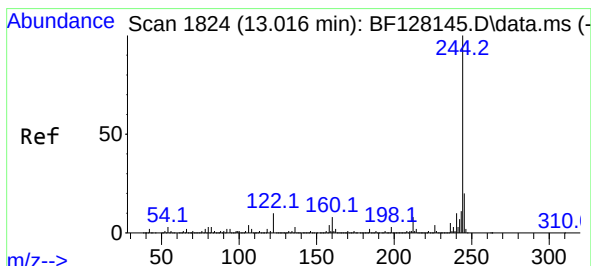
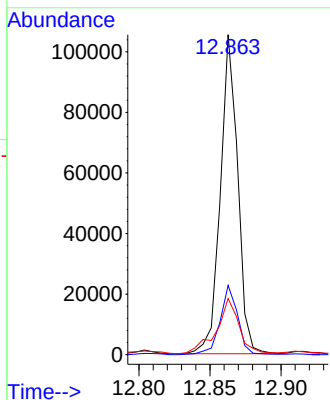
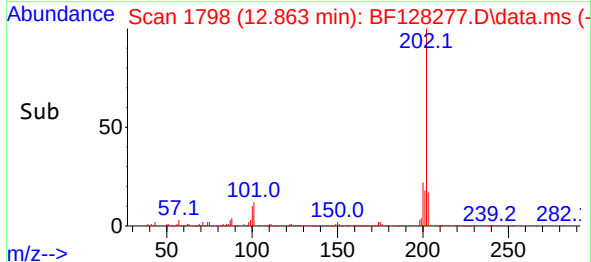
Instrument :  
BNA\_F  
ClientSampleId :  
SB01



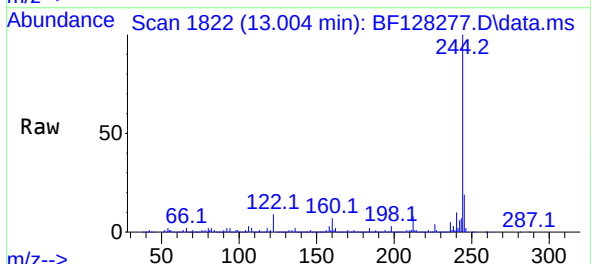
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Ion Ratio Lower Upper  
202 100  
200 21.6 17.4 26.2  
203 17.6 14.0 21.0

Manual Integrations  
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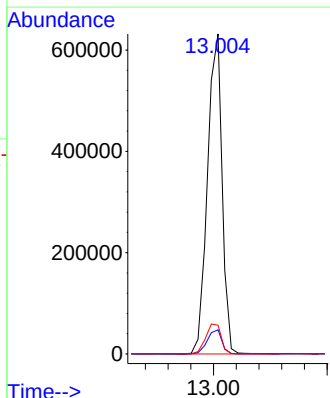
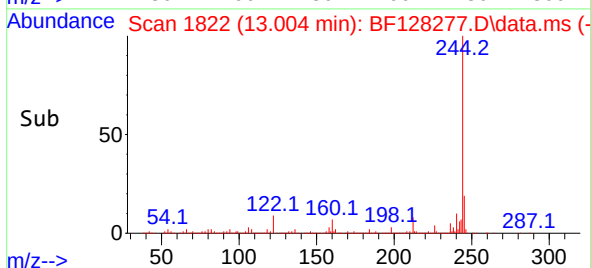
Reviewed By :Christian Giraldo 05/17/2022  
Supervised By :Jagrut Upadhyay 05/17/2022

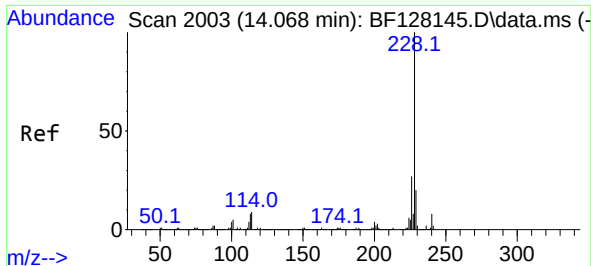


#79  
Terphenyl-d14  
Concen: 56.031 ng  
RT: 13.004 min Scan# 1822  
Delta R.T. -0.006 min  
Lab File: BF128277.D  
Acq: 16 May 2022 19:45



Tgt Ion:244 Resp: 563852  
Ion Ratio Lower Upper  
244 100  
212 7.5 6.2 9.4  
122 9.0 8.6 12.8





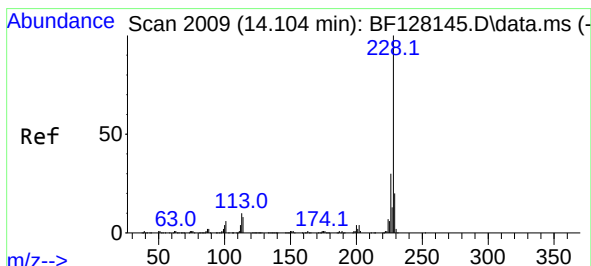
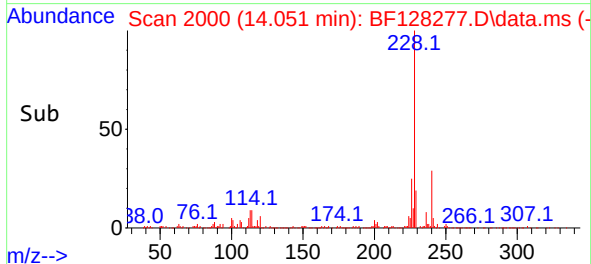
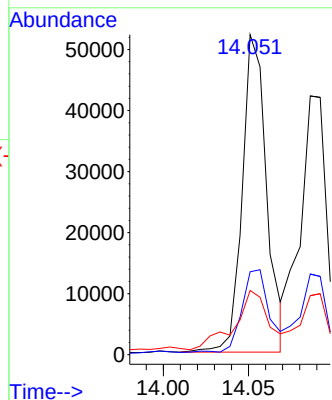
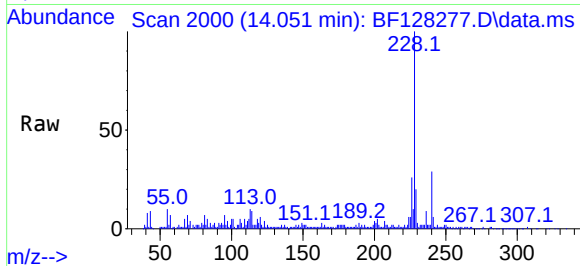
#81  
Benzo(a)anthracene  
Concen: 4.294 ng  
RT: 14.051 min Scan# 2000  
Delta R.T. -0.006 min  
Lab File: BF128277.D  
Acq: 16 May 2022 19:45

Instrument :  
BNA\_F  
ClientSampleId :  
SB01

Tgt Ion:228 Resp: 51792  
Ion Ratio Lower Upper  
228 100  
226 25.9 21.7 32.5  
229 20.0 15.4 23.2

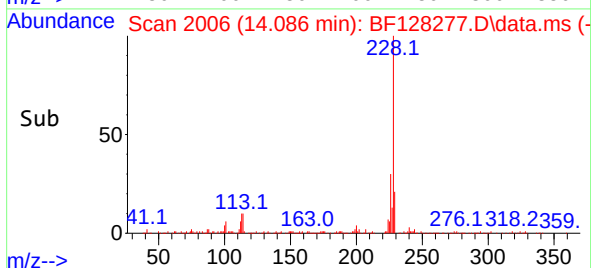
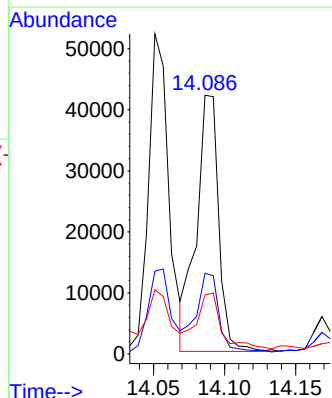
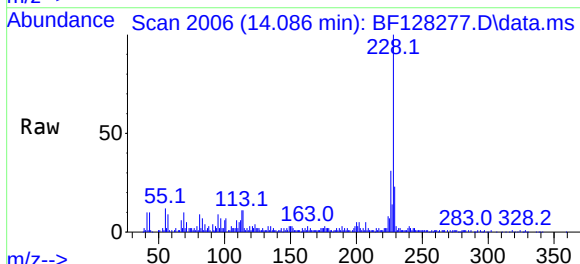
Manual Integrations  
APPROVED

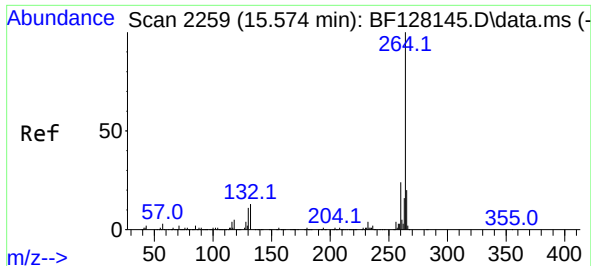
Reviewed By :Christian Giraldo 05/17/2022  
Supervised By :Jagrut Upadhyay 05/17/2022



#83  
Chrysene  
Concen: 4.003 ng  
RT: 14.086 min Scan# 2006  
Delta R.T. -0.012 min  
Lab File: BF128277.D  
Acq: 16 May 2022 19:45

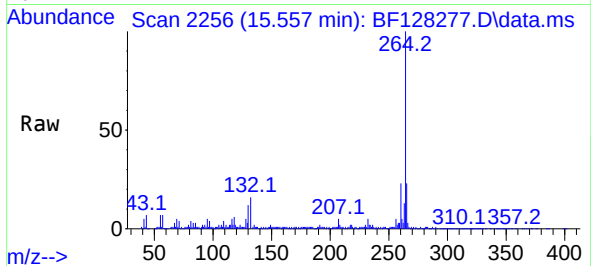
Tgt Ion:228 Resp: 46065  
Ion Ratio Lower Upper  
228 100  
226 31.2 24.4 36.6  
229 22.8 15.8 23.8





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.557 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF128277.D  
Acq: 16 May 2022 19:45

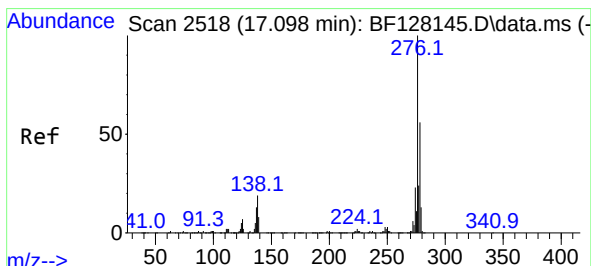
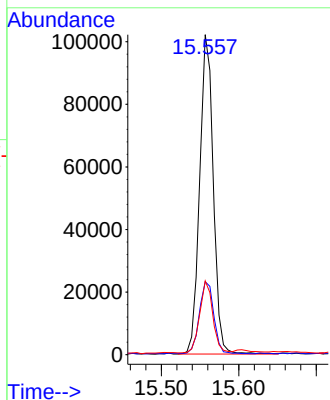
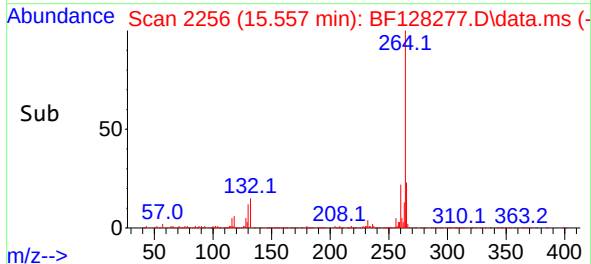
Instrument :  
BNA\_F  
ClientSampleId :  
SB01



Tgt Ion:264 Resp: 12462  
Ion Ratio Lower Upper  
264 100  
260 22.8 20.1 30.1  
265 23.1 17.5 26.3

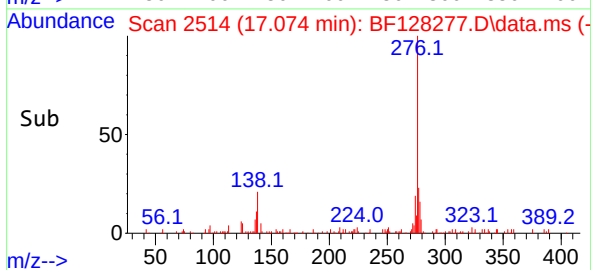
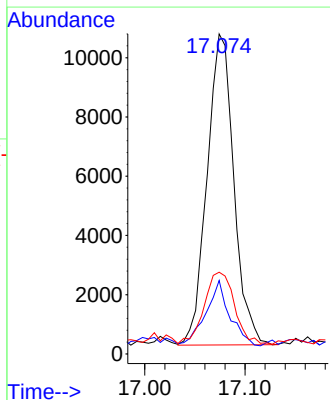
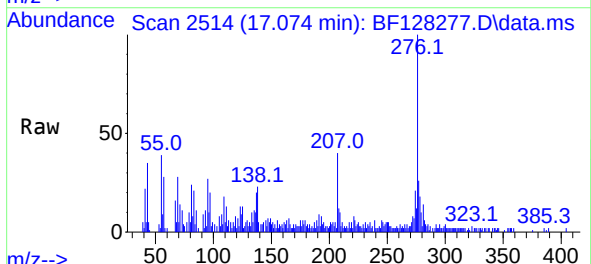
Manual Integrations  
APPROVED

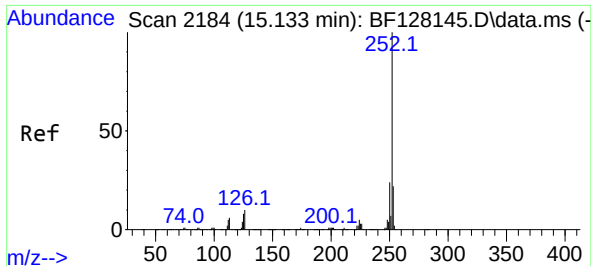
Reviewed By :Christian Giraldo 05/17/2022  
Supervised By :Jagrut Upadhyay 05/17/2022



#87  
Indeno(1,2,3-cd)pyrene  
Concen: 2.586 ng  
RT: 17.074 min Scan# 2514  
Delta R.T. -0.012 min  
Lab File: BF128277.D  
Acq: 16 May 2022 19:45

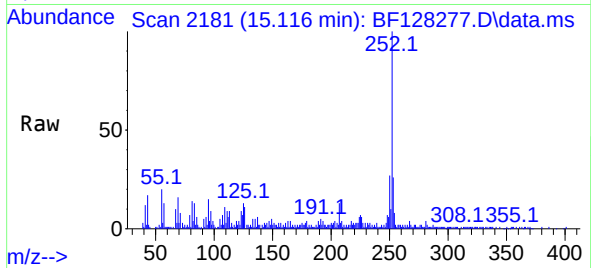
Tgt Ion:276 Resp: 19497  
Ion Ratio Lower Upper  
276 100  
138 19.2 19.0 28.4  
277 26.0 20.1 30.1





#88  
Benzo(b)fluoranthene  
Concen: 5.886 ng m  
RT: 15.116 min Scan# 2184  
Delta R.T. -0.006 min  
Lab File: BF128277.D  
Acq: 16 May 2022 19:45

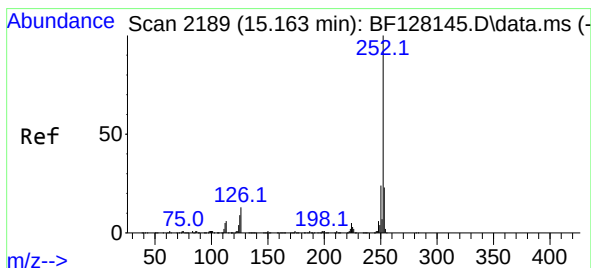
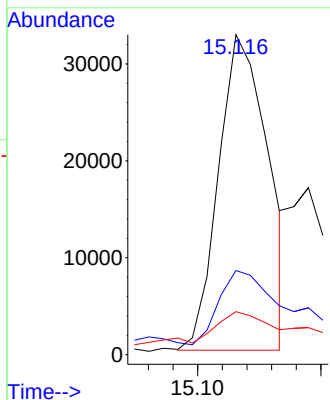
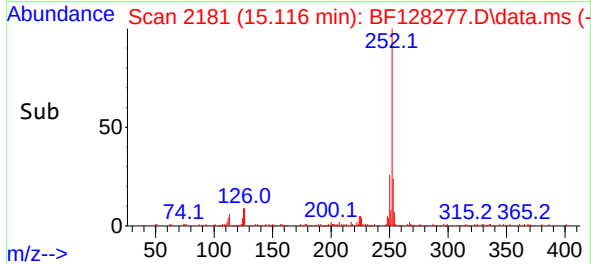
Instrument :  
BNA\_F  
ClientSampleId :  
SB01



Tgt Ion:252 Resp: 45474  
Ion Ratio Lower Upper  
252 100  
253 26.3 17.4 26.2  
125 13.4 7.4 11.2

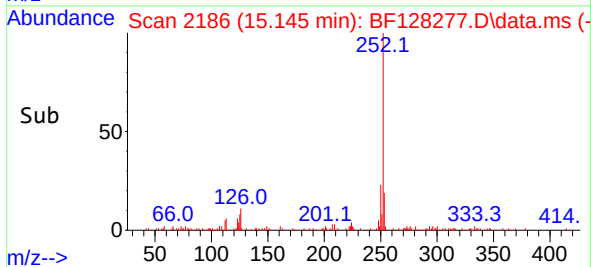
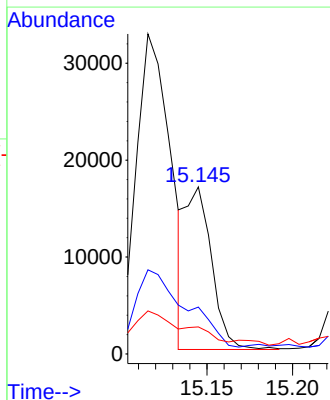
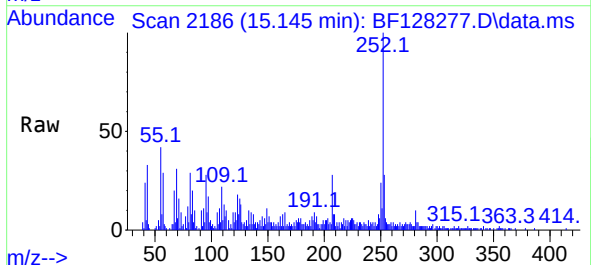
Manual Integrations  
APPROVED

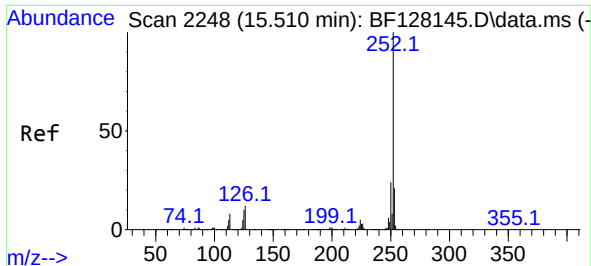
Reviewed By :Christian Giraldo 05/17/2022  
Supervised By :Jagrut Upadhyay 05/17/2022



#89  
Benzo(k)fluoranthene  
Concen: 2.318 ng m  
RT: 15.145 min Scan# 2186  
Delta R.T. -0.006 min  
Lab File: BF128277.D  
Acq: 16 May 2022 19:45

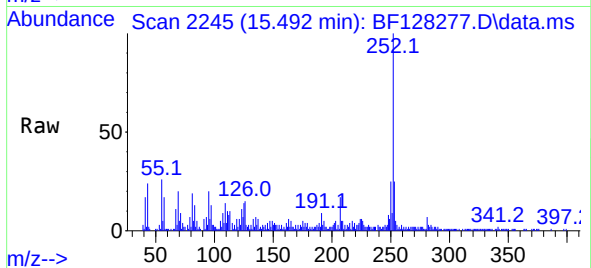
Tgt Ion:252 Resp: 17681  
Ion Ratio Lower Upper  
252 100  
253 28.1 17.0 25.4#  
125 16.1 6.8 10.2#





#90  
Benzo(a)pyrene  
Concen: 5.220 ng  
RT: 15.492 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF128277.D  
Acq: 16 May 2022 19:45

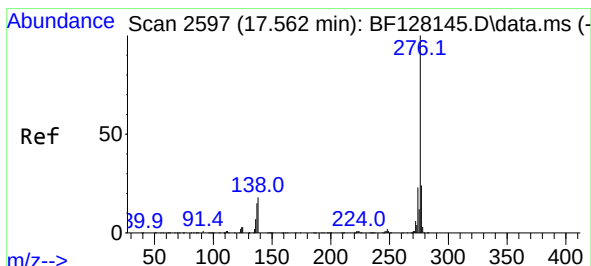
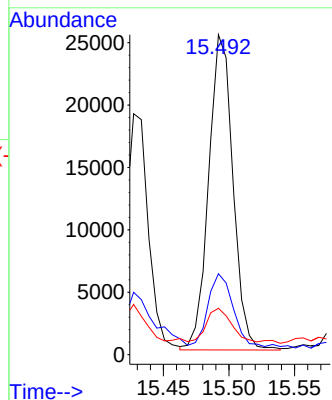
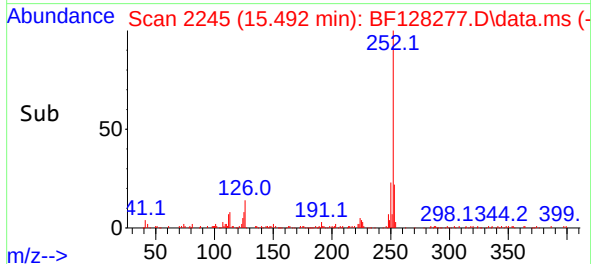
Instrument :  
BNA\_F  
ClientSampleId :  
SB01



Tgt Ion:252 Resp: 3255  
Ion Ratio Lower Upper  
252 100  
253 25.3 17.8 26.6  
125 14.5 9.2 13.8

Manual Integrations  
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Reviewed By :Christian Giraldo 05/17/2022  
Supervised By :Jagrut Upadhyay 05/17/2022



#92  
Benzo(g,h,i)perylene  
Concen: 3.456 ng  
RT: 17.533 min Scan# 2592  
Delta R.T. -0.018 min  
Lab File: BF128277.D  
Acq: 16 May 2022 19:45

Tgt Ion:276 Resp: 21357  
Ion Ratio Lower Upper  
276 100  
277 25.0 18.8 28.2  
138 25.9 16.2 24.2

