

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF042622\  
 Data File : BF127927.D  
 Acq On : 26 Apr 2022 22:08  
 Operator : CG\JU  
 Sample : N2559-04  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH-10D

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 04/27/2022  
 Supervised By : Jagrut Upadhyay 04/27/2022

Quant Time: Apr 27 01:49:26 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Apr 24 00:43:03 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.940  | 152  | 143067   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.222  | 136  | 573929   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.981  | 164  | 334338   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.475 | 188  | 562209   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.121 | 240  | 299642   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.633 | 264  | 311714   | 20.000  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.575  | 112  | 1084586  | 120.748 | ng    | 0.01     |
| 7) Phenol-d6                | 6.569  | 99   | 1436497  | 123.251 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.504  | 82   | 1052349  | 86.223  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.781 | 330  | 411337   | 122.215 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.304  | 172  | 1731803  | 87.629  | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.063 | 244  | 1531121  | 93.436  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 71) Phenanthrene            | 11.498 | 178  | 284636   | 9.672   | ng    | 99       |
| 72) Anthracene              | 11.551 | 178  | 71568    | 2.441   | ng    | 99       |
| 75) Fluoranthene            | 12.692 | 202  | 374360   | 12.087  | ng    | 97       |
| 78) Pyrene                  | 12.922 | 202  | 346710   | 14.334  | ng    | 99       |
| 81) Benzo(a)anthracene      | 14.110 | 228  | 144388   | 7.230   | ng    | 98       |
| 83) Chrysene                | 14.145 | 228  | 147715m  | 7.744   | ng    |          |
| 87) Indeno(1,2,3-cd)pyrene  | 17.174 | 276  | 82431    | 3.962   | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 15.186 | 252  | 201475m  | 10.291  | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.210 | 252  | 53584m   | 2.717   | ng    |          |
| 90) Benzo(a)pyrene          | 15.568 | 252  | 146497   | 9.021   | ng    | 98       |
| 92) Benzo(g,h,i)perylene    | 17.645 | 276  | 75760    | 4.308   | ng    | 97       |
| -----                       |        |      |          |         |       |          |

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

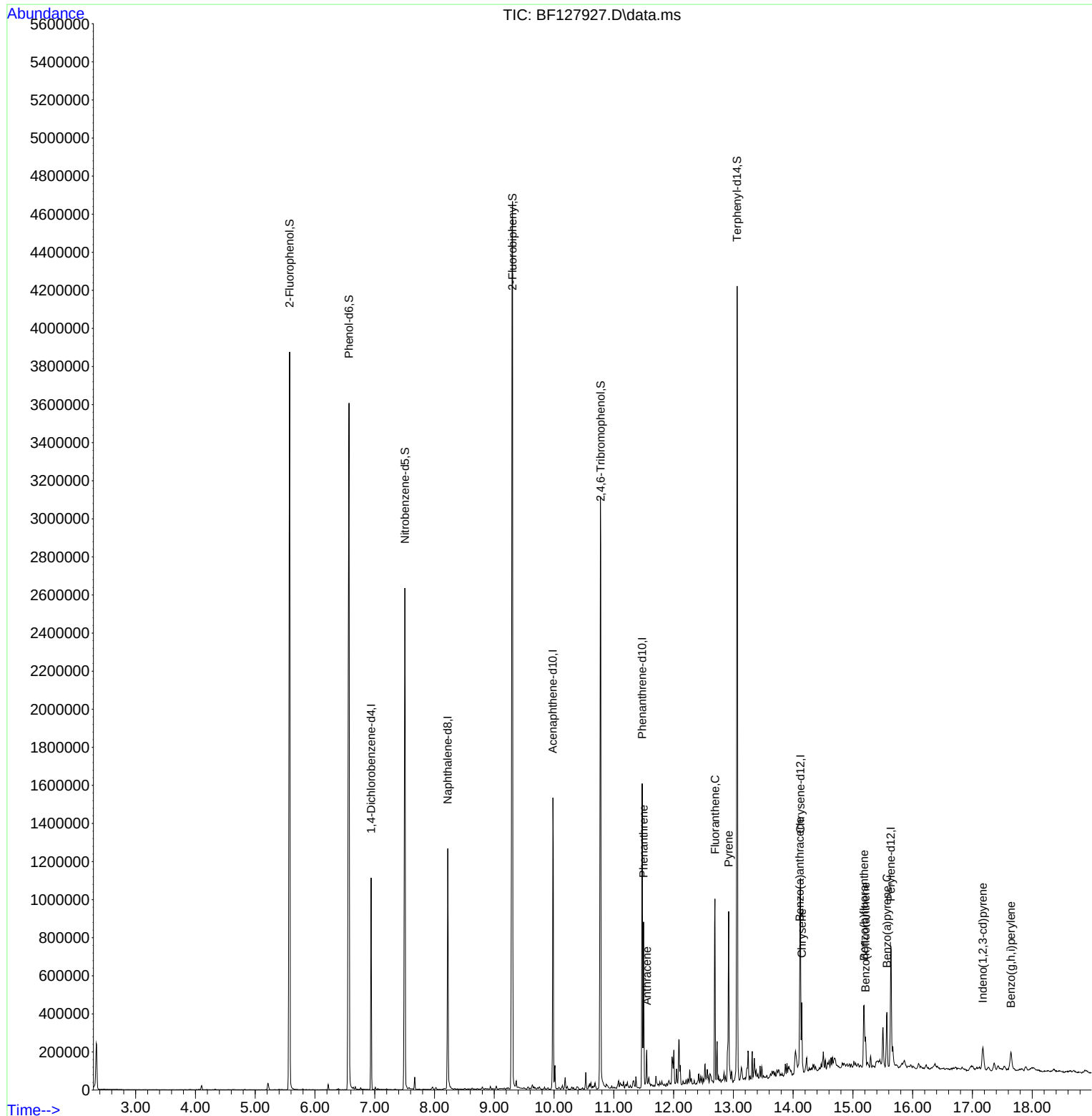
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF042622\  
Data File : BF127927.D  
Acq On : 26 Apr 2022 22:08  
Operator : CG\JU  
Sample : N2559-04  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

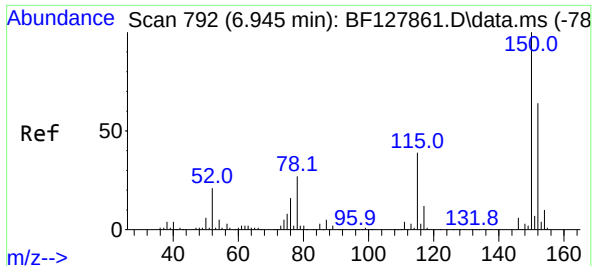
Instrument :  
BNA\_F  
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MH-10D

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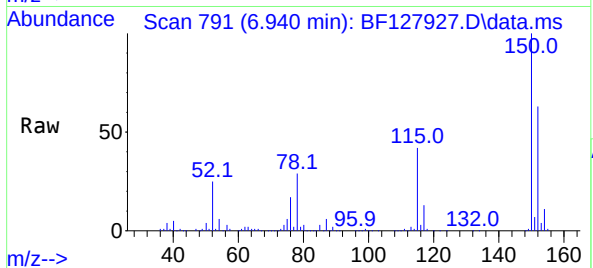
Quant Time: Apr 27 01:49:26 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sun Apr 24 00:43:03 2022  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.940 min Scan# 792  
Delta R.T. -0.005 min  
Lab File: BF127927.D  
Acq: 26 Apr 2022 22:08

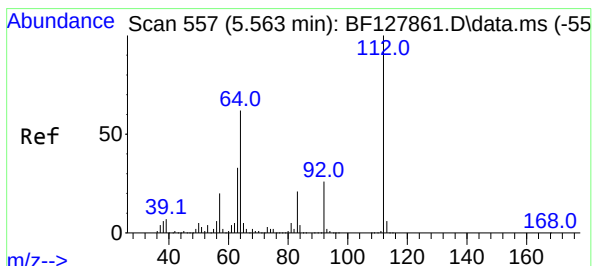
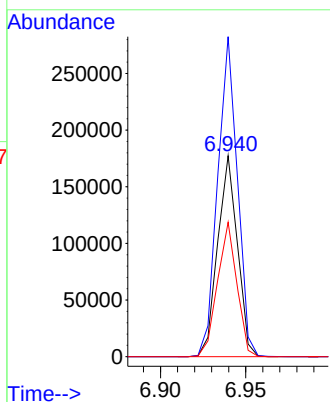
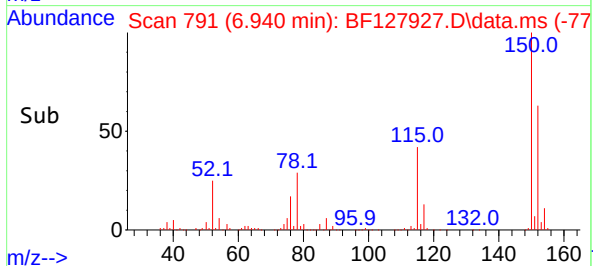
Instrument :  
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ClientSampleId :  
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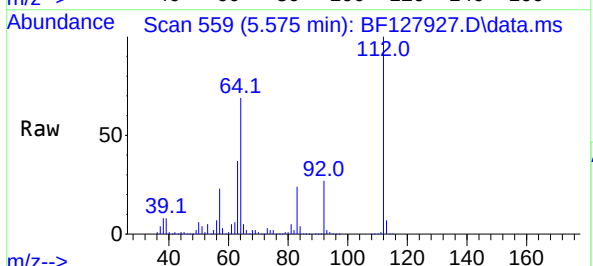
Tgt Ion:152 Resp: 14306  
Ion Ratio Lower Upper  
152 100  
150 159.2 125.3 187.9  
115 66.8 48.8 73.2

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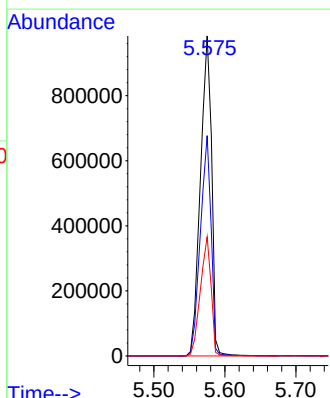
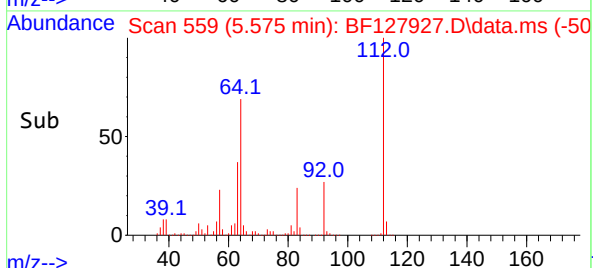
Reviewed By :Christian Giraldo 04/27/2022  
Supervised By :Jagrut Upadhyay 04/27/2022

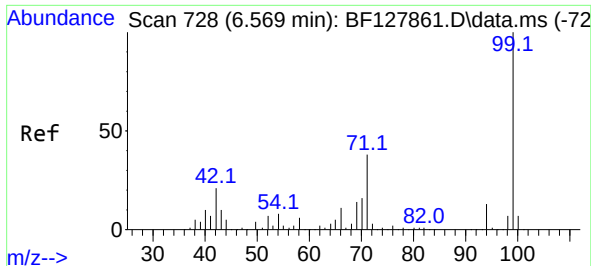


#5  
2-Fluorophenol  
Concen: 120.748 ng  
RT: 5.575 min Scan# 559  
Delta R.T. 0.012 min  
Lab File: BF127927.D  
Acq: 26 Apr 2022 22:08



Tgt Ion:112 Resp: 1084586  
Ion Ratio Lower Upper  
112 100  
64 68.9 49.5 74.3  
63 37.2 26.3 39.5





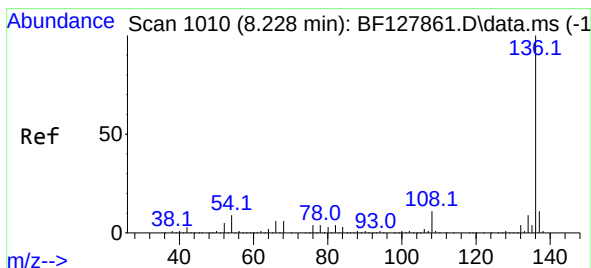
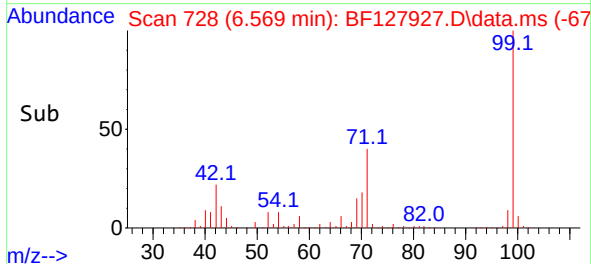
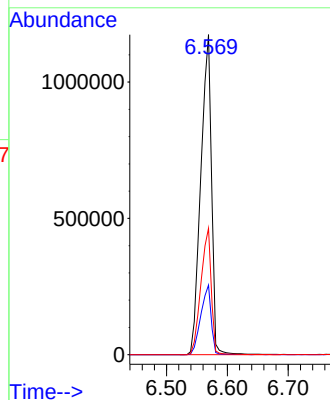
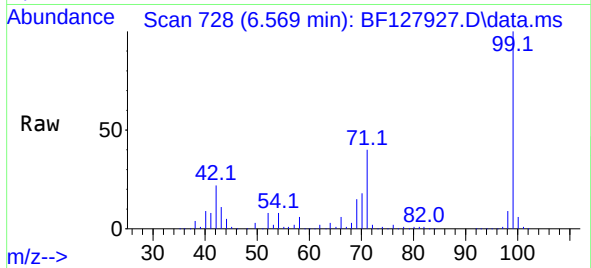
#7  
Phenol-d6  
Concen: 123.251 ng  
RT: 6.569 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF127927.D  
Acq: 26 Apr 2022 22:08

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Tgt Ion: 99 Resp: 143649  
Ion Ratio Lower Upper  
99 100  
42 21.7 16.6 24.8  
71 39.5 30.0 45.0

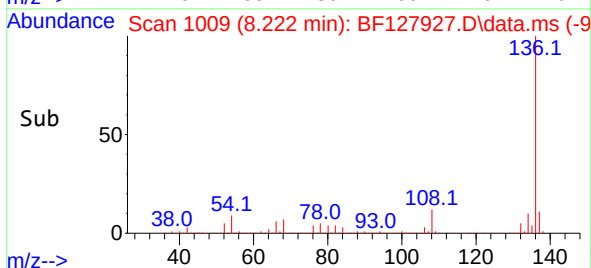
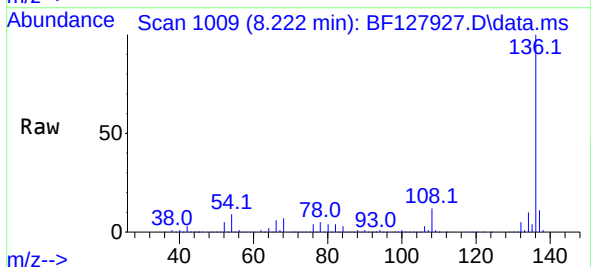
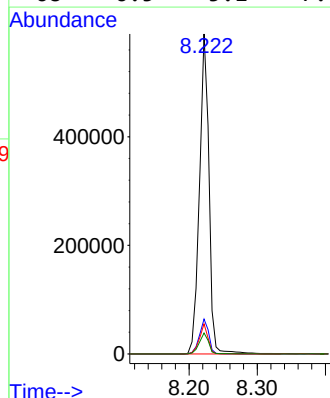
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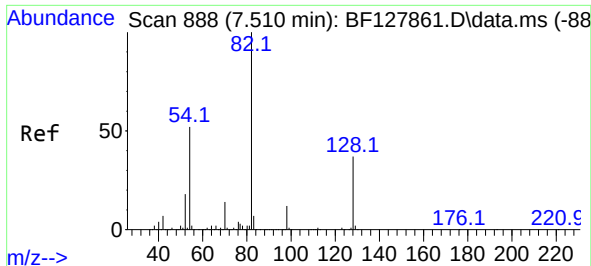
Reviewed By :Christian Giraldo 04/27/2022  
Supervised By :Jagrut Upadhyay 04/27/2022



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.222 min Scan# 1009  
Delta R.T. -0.006 min  
Lab File: BF127927.D  
Acq: 26 Apr 2022 22:08

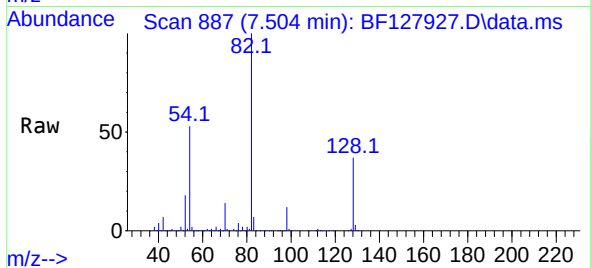
Tgt Ion:136 Resp: 573929  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 13.0  
54 9.4 6.8 10.2  
68 6.5 5.1 7.7





#23  
Nitrobenzene-d5  
Concen: 86.223 ng  
RT: 7.504 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF127927.D  
Acq: 26 Apr 2022 22:08

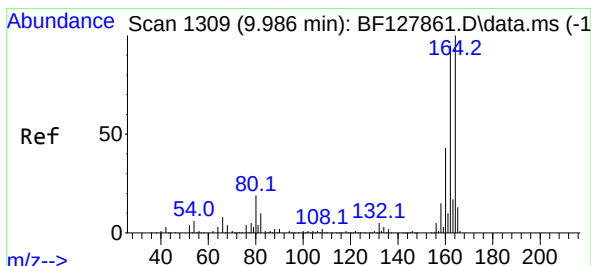
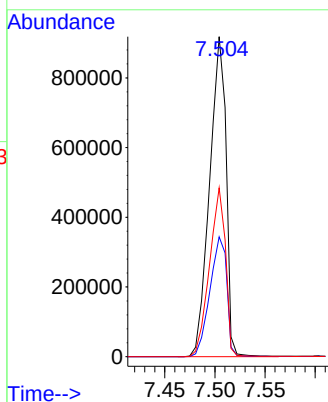
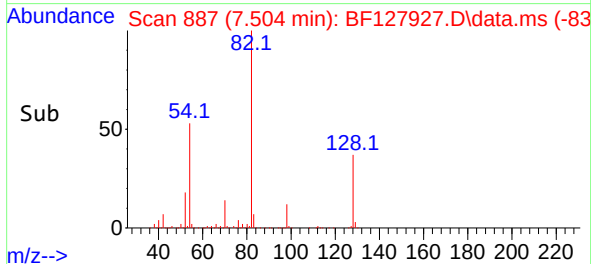
Instrument :  
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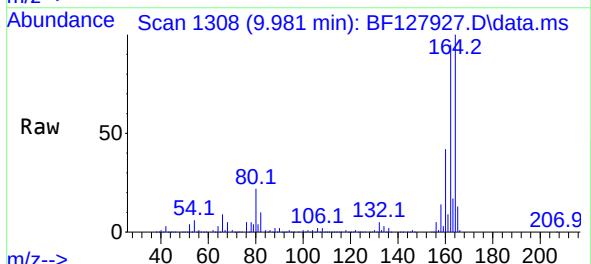
Tgt Ion: 82 Resp: 1052349  
Ion Ratio Lower Upper  
82 100  
128 37.5 30.0 45.0  
54 52.8 41.3 61.9

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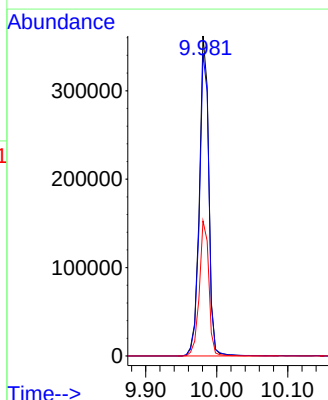
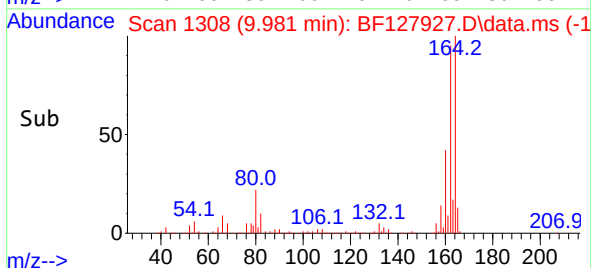
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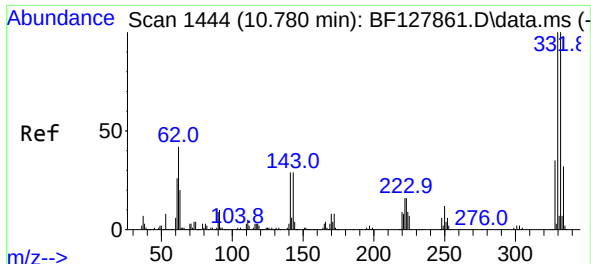


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.981 min Scan# 1308  
Delta R.T. -0.006 min  
Lab File: BF127927.D  
Acq: 26 Apr 2022 22:08



Tgt Ion:164 Resp: 334338  
Ion Ratio Lower Upper  
164 100  
162 94.6 76.0 114.0  
160 42.2 34.8 52.2





#42  
2,4,6-Tribromophenol  
Concen: 122.215 ng  
RT: 10.781 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: BF127927.D  
Acq: 26 Apr 2022 22:08

Instrument :

BNA\_F

ClientSampleId :

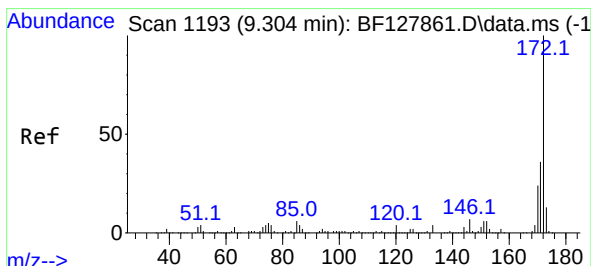
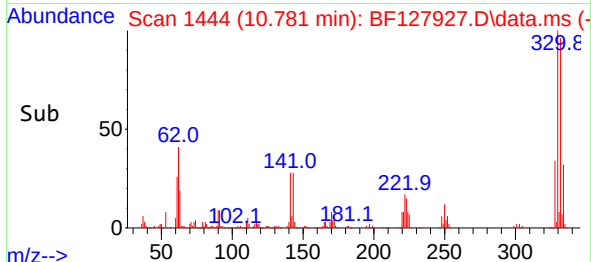
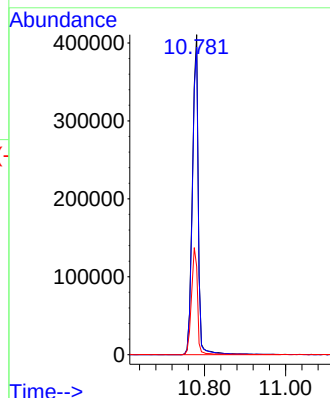
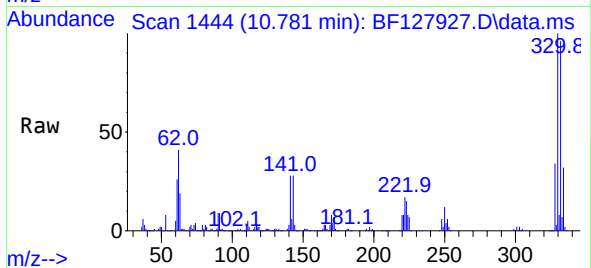
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Tgt Ion:330 Resp: 41133  
Ion Ratio Lower Upper  
330 100  
332 96.0 79.0 118.4  
141 34.3 28.9 43.3

Manual Integrations

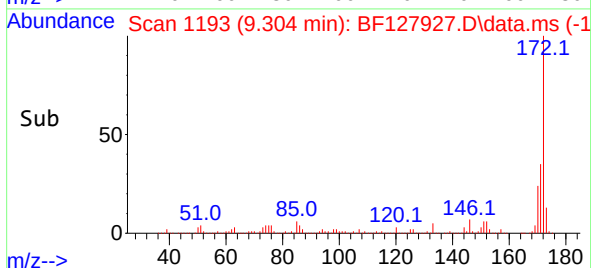
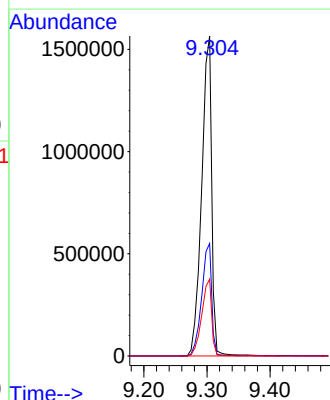
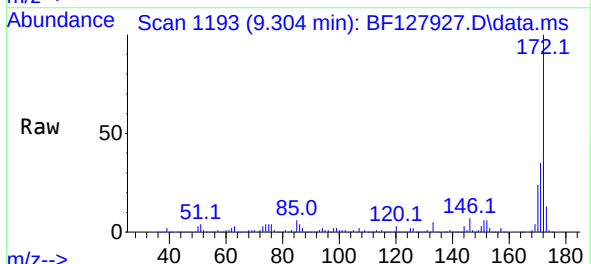
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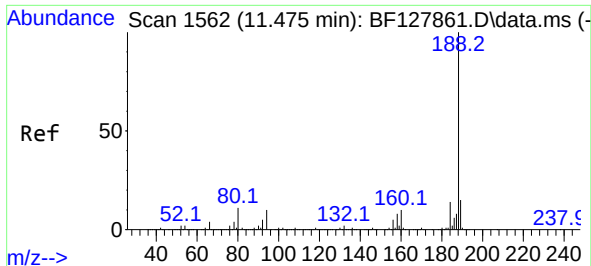
Reviewed By :Christian Giraldo 04/27/2022  
Supervised By :Jagrut Upadhyay 04/27/2022



#45  
2-Fluorobiphenyl  
Concen: 87.629 ng  
RT: 9.304 min Scan# 1193  
Delta R.T. 0.000 min  
Lab File: BF127927.D  
Acq: 26 Apr 2022 22:08

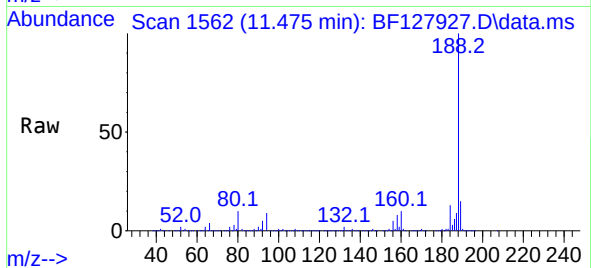
Tgt Ion:172 Resp: 1731803  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.6 42.8  
170 24.0 19.1 28.7





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.475 min Scan# 1562  
Delta R.T. 0.000 min  
Lab File: BF127927.D  
Acq: 26 Apr 2022 22:08

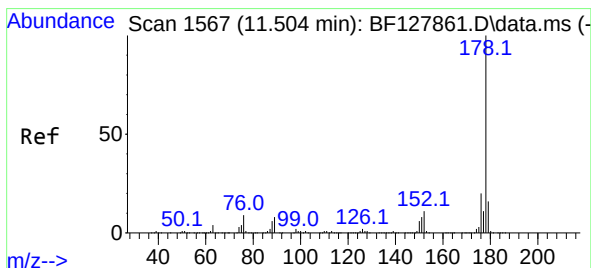
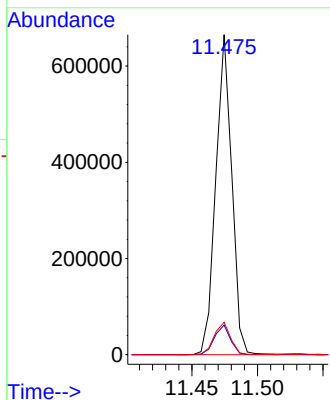
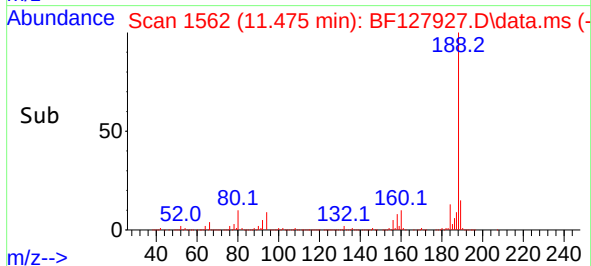
Instrument :  
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ClientSampleId :  
MH-10D



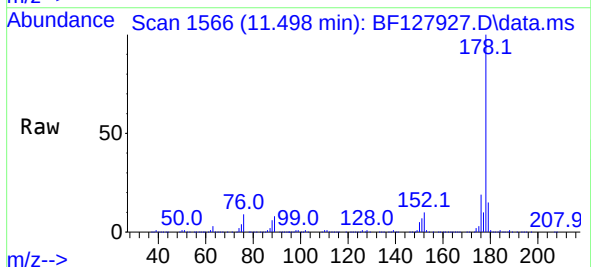
Tgt Ion:188 Resp: 562209  
Ion Ratio Lower Upper  
188 100  
94 9.2 8.0 12.0  
80 10.2 8.9 13.3

Manual Integrations  
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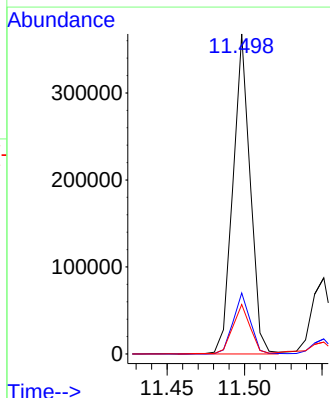
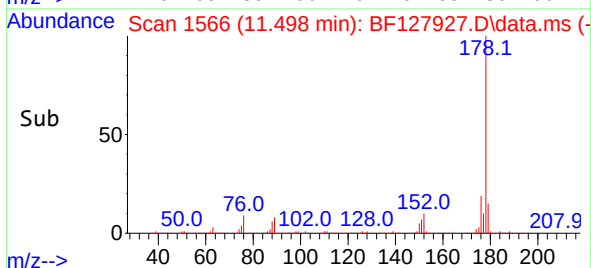
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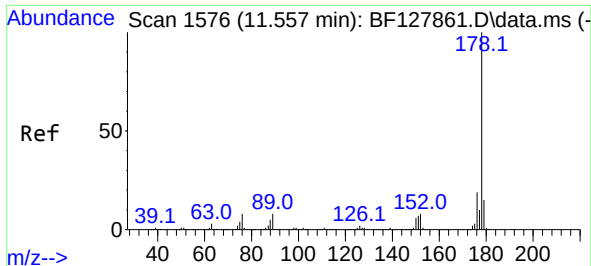


#71  
Phenanthrene  
Concen: 9.672 ng  
RT: 11.498 min Scan# 1566  
Delta R.T. -0.006 min  
Lab File: BF127927.D  
Acq: 26 Apr 2022 22:08



Tgt Ion:178 Resp: 284636  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.7 23.5  
179 15.5 12.6 19.0





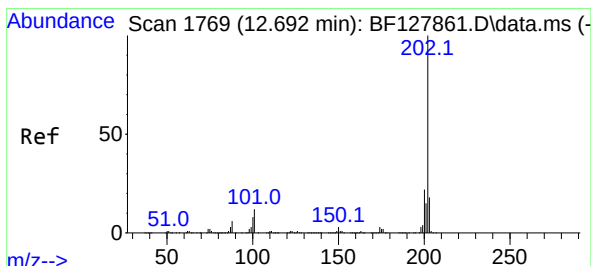
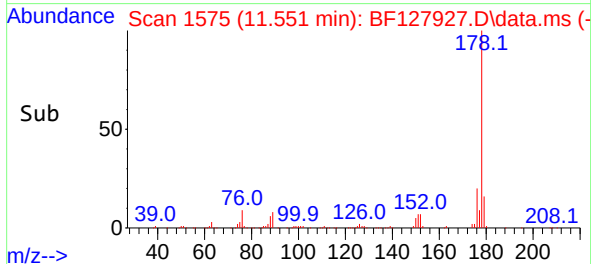
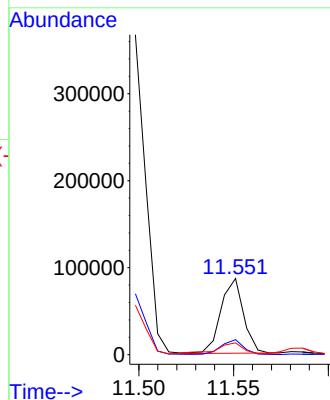
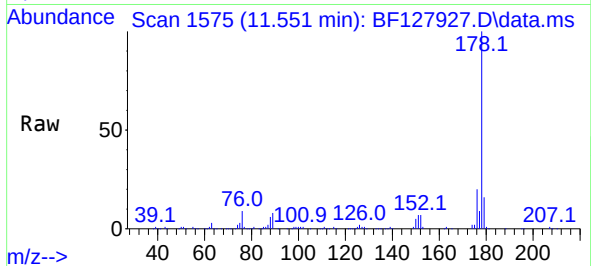
#72  
 Anthracene  
 Concen: 2.441 ng  
 RT: 11.551 min Scan# 1576  
 Delta R.T. -0.006 min  
 Lab File: BF127927.D  
 Acq: 26 Apr 2022 22:08

Instrument :  
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 MH-10D

Tgt Ion:178 Resp: 71568  
 Ion Ratio Lower Upper  
 178 100  
 176 19.9 15.0 22.6  
 179 15.6 12.4 18.6

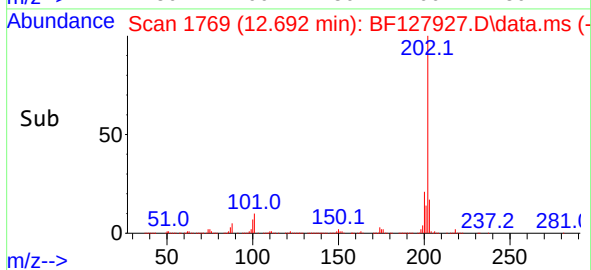
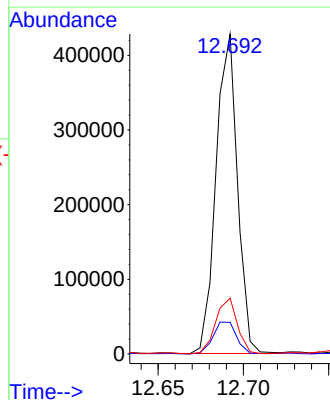
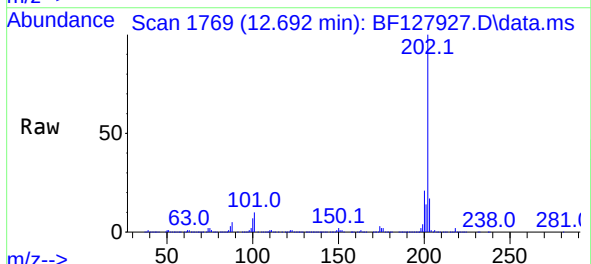
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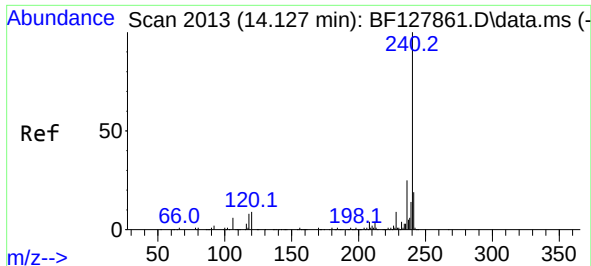


#75  
 Fluoranthene  
 Concen: 12.087 ng  
 RT: 12.692 min Scan# 1769  
 Delta R.T. 0.000 min  
 Lab File: BF127927.D  
 Acq: 26 Apr 2022 22:08

Tgt Ion:202 Resp: 374360  
 Ion Ratio Lower Upper  
 202 100  
 101 9.9 0.0 31.6  
 203 17.4 0.0 38.1







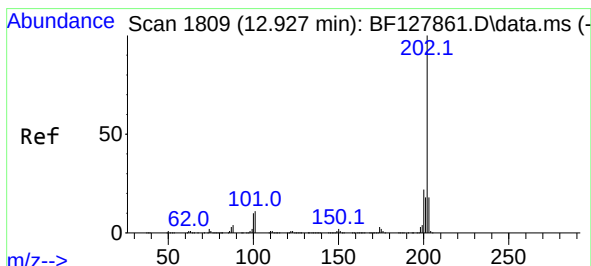
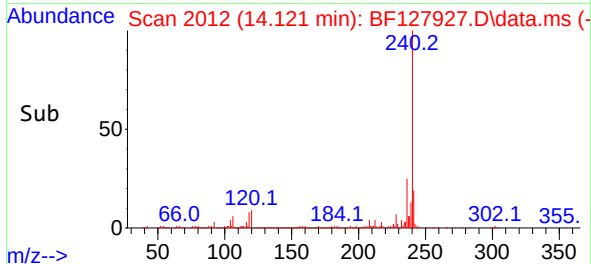
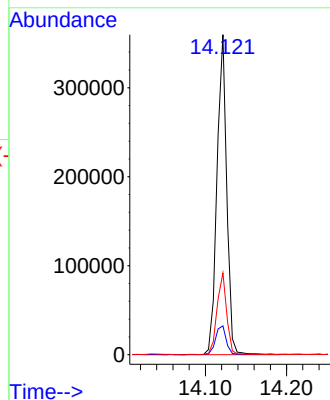
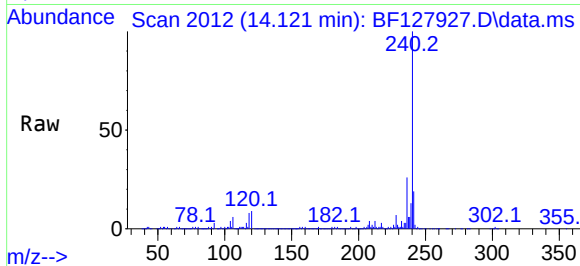
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.121 min Scan# 2013  
Delta R.T. -0.006 min  
Lab File: BF127927.D  
Acq: 26 Apr 2022 22:08

Instrument :  
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Tgt Ion:240 Resp: 29964  
Ion Ratio Lower Upper  
240 100  
120 9.0 7.0 10.6  
236 25.6 20.3 30.5

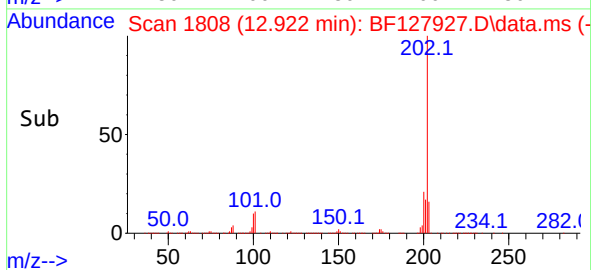
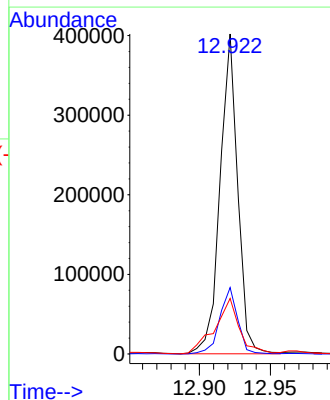
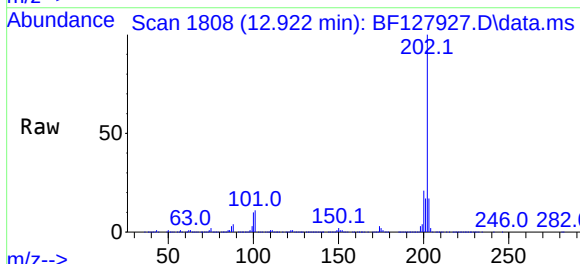
Manual Integrations  
APPROVED

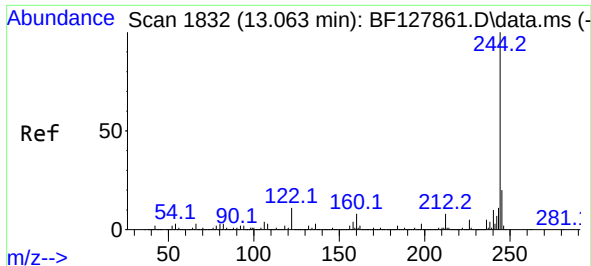
Reviewed By :Christian Giraldo 04/27/2022  
Supervised By :Jagrut Upadhyay 04/27/2022



#78  
Pyrene  
Concen: 14.334 ng  
RT: 12.922 min Scan# 1808  
Delta R.T. -0.006 min  
Lab File: BF127927.D  
Acq: 26 Apr 2022 22:08

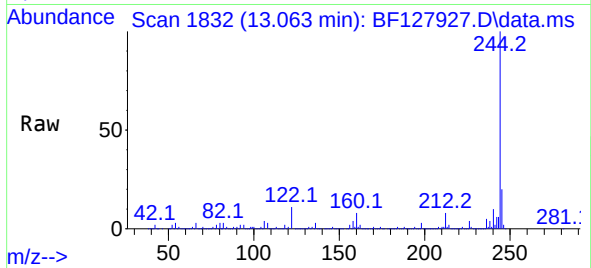
Tgt Ion:202 Resp: 346710  
Ion Ratio Lower Upper  
202 100  
200 20.8 17.4 26.2  
203 17.3 14.0 21.0





#79  
Terphenyl-d14  
Concen: 93.436 ng  
RT: 13.063 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF127927.D  
Acq: 26 Apr 2022 22:08

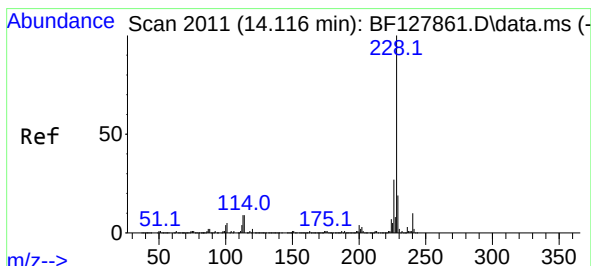
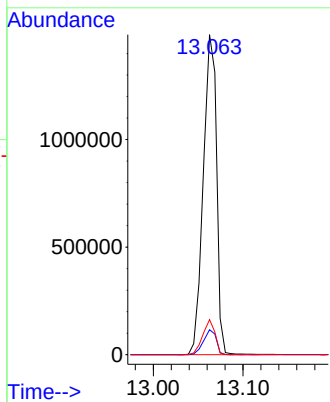
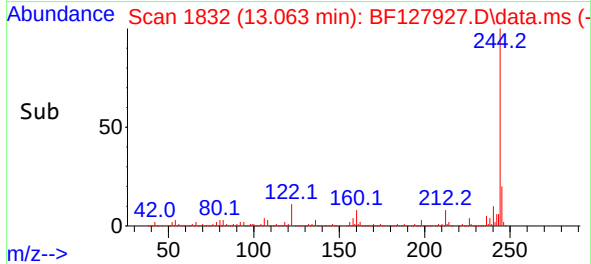
Instrument :  
BNA\_F  
ClientSampleId :  
MH-10D



Tgt Ion:244 Resp: 153112  
Ion Ratio Lower Upper  
244 100  
212 7.8 6.2 9.4  
122 11.0 8.6 12.8

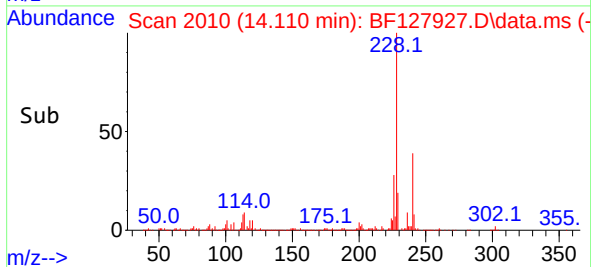
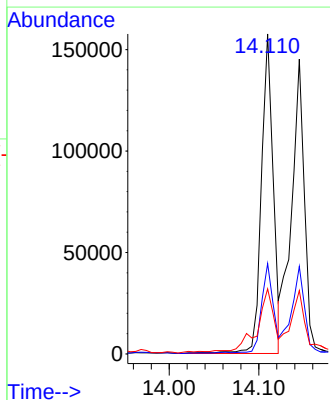
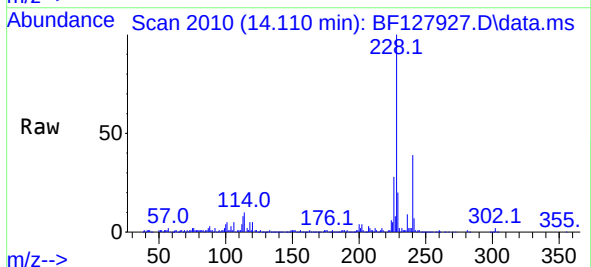
Manual Integrations  
APPROVED

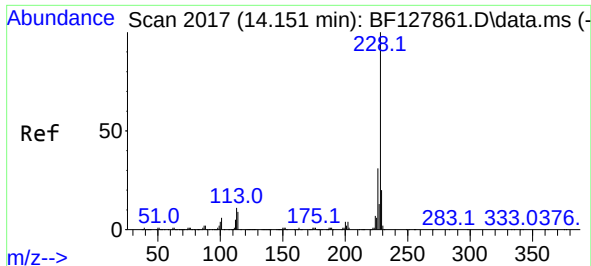
Reviewed By :Christian Giraldo 04/27/2022  
Supervised By :Jagrut Upadhyay 04/27/2022



#81  
Benzo(a)anthracene  
Concen: 7.230 ng  
RT: 14.110 min Scan# 2010  
Delta R.T. -0.006 min  
Lab File: BF127927.D  
Acq: 26 Apr 2022 22:08

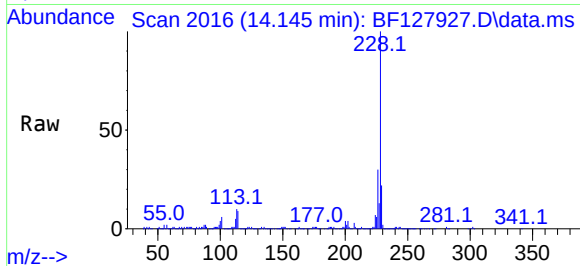
Tgt Ion:228 Resp: 144388  
Ion Ratio Lower Upper  
228 100  
226 28.3 21.7 32.5  
229 20.3 15.4 23.2





#83  
Chrysene  
Concen: 7.744 ng m  
RT: 14.145 min Scan# 2017  
Delta R.T. -0.006 min  
Lab File: BF127927.D  
Acq: 26 Apr 2022 22:08

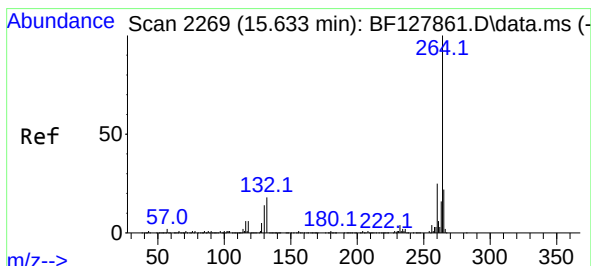
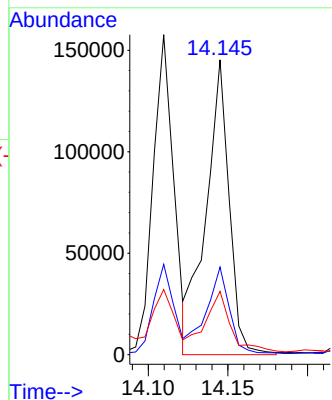
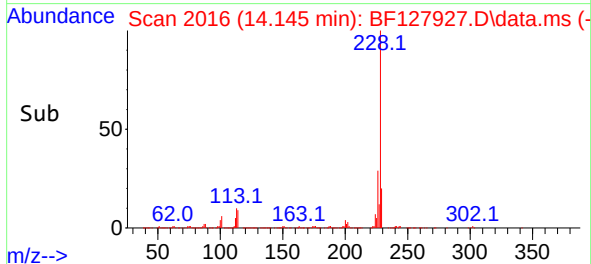
Instrument :  
BNA\_F  
ClientSampleId :  
MH-10D



Tgt Ion:228 Resp: 147715  
Ion Ratio Lower Upper  
228 100  
226 29.7 24.4 36.6  
229 21.5 15.8 23.8

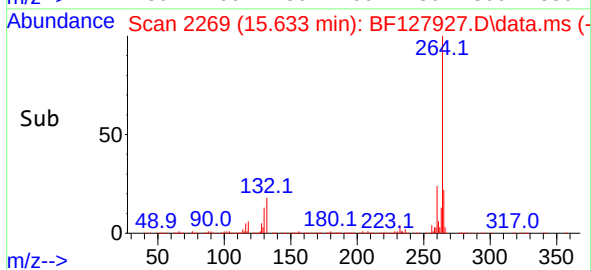
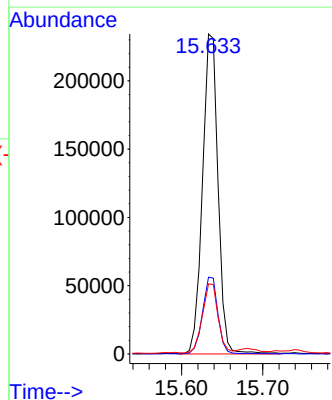
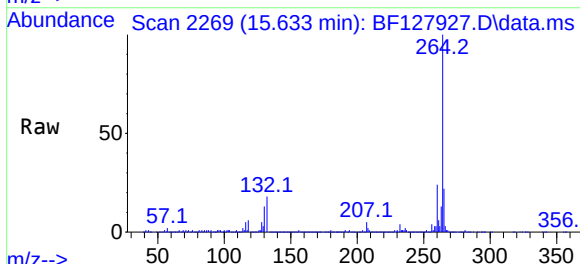
Manual Integrations  
APPROVED

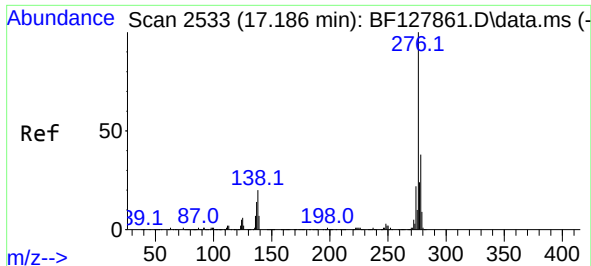
Reviewed By :Christian Giraldo 04/27/2022  
Supervised By :Jagrut Upadhyay 04/27/2022



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.633 min Scan# 2269  
Delta R.T. 0.000 min  
Lab File: BF127927.D  
Acq: 26 Apr 2022 22:08

Tgt Ion:264 Resp: 311714  
Ion Ratio Lower Upper  
264 100  
260 24.0 20.1 30.1  
265 21.9 17.5 26.3





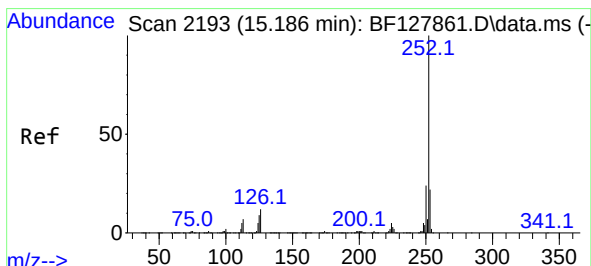
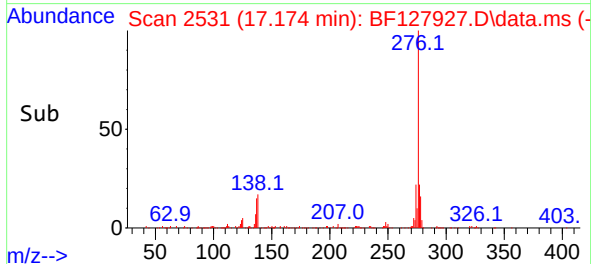
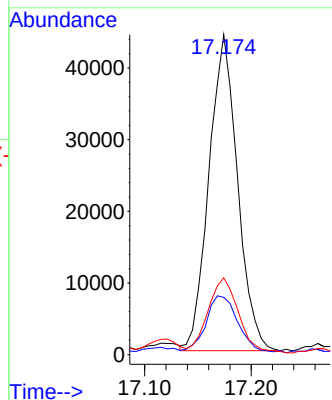
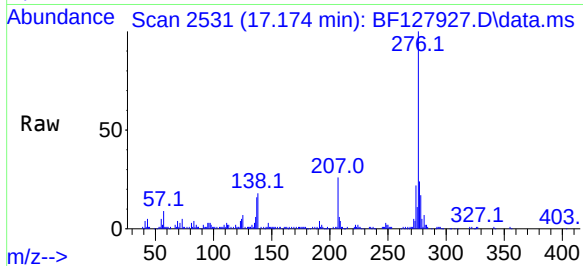
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 3.962 ng  
RT: 17.174 min Scan# 2531  
Delta R.T. -0.012 min  
Lab File: BF127927.D  
Acq: 26 Apr 2022 22:08

Instrument :  
BNA\_F  
ClientSampleId :  
MH-10D

Tgt Ion:276 Resp: 8243  
Ion Ratio Lower Upper  
276 100  
138 20.4 19.0 28.4  
277 25.1 20.1 30.1

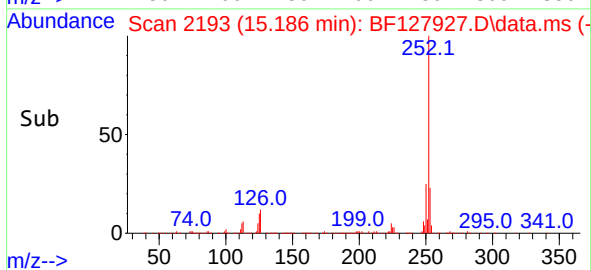
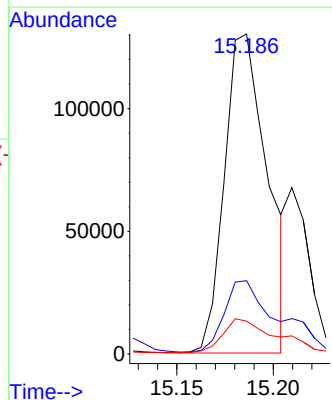
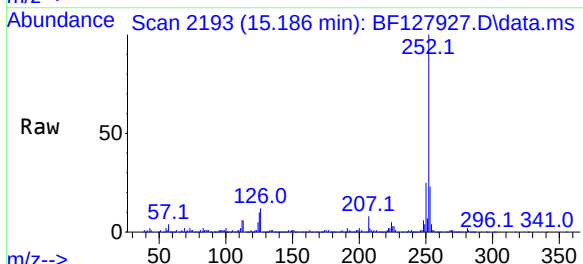
Manual Integrations  
APPROVED

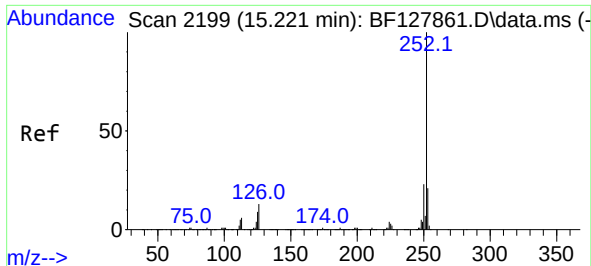
Reviewed By :Christian Giraldo 04/27/2022  
Supervised By :Jagrut Upadhyay 04/27/2022



#88  
Benzo(b)fluoranthene  
Concen: 10.291 ng m  
RT: 15.186 min Scan# 2193  
Delta R.T. 0.000 min  
Lab File: BF127927.D  
Acq: 26 Apr 2022 22:08

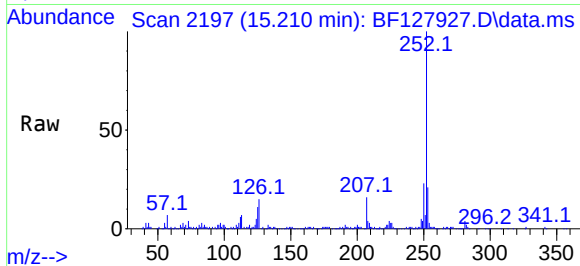
Tgt Ion:252 Resp: 201475  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.4 26.2  
125 10.3 7.4 11.2





#89  
Benzo(k)fluoranthene  
Concen: 2.717 ng m  
RT: 15.210 min Scan# 2199  
Delta R.T. -0.012 min  
Lab File: BF127927.D  
Acq: 26 Apr 2022 22:08

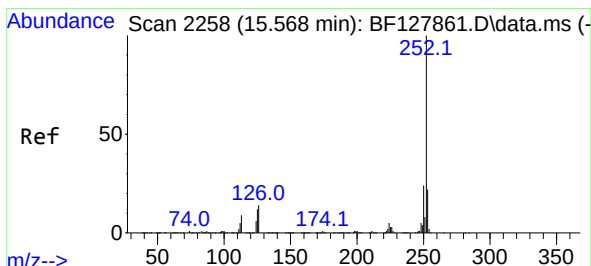
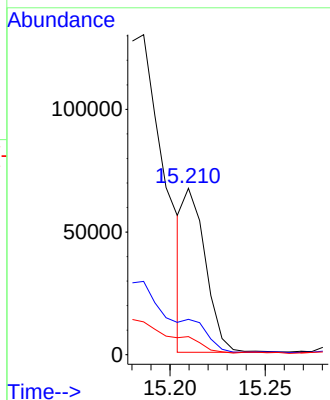
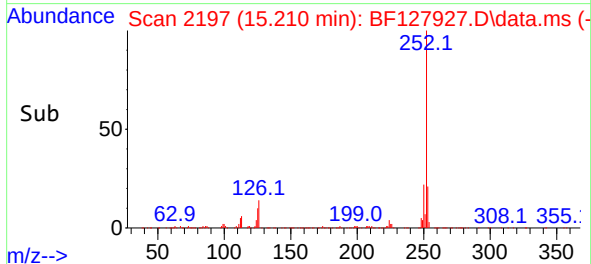
Instrument :  
BNA\_F  
ClientSampleId :  
MH-10D



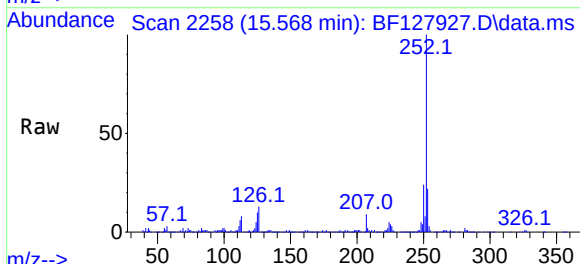
Tgt Ion:252 Resp: 53584  
Ion Ratio Lower Upper  
252 100  
253 21.3 17.0 25.4  
125 10.8 6.8 10.2

Manual Integrations  
APPROVED

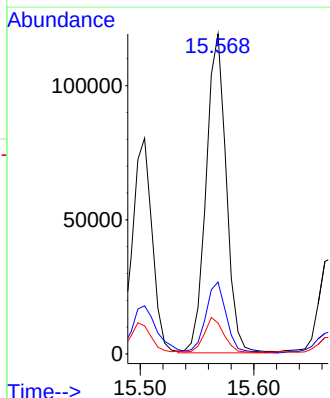
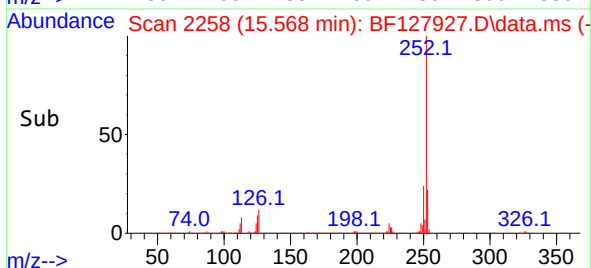
Reviewed By :Christian Giraldo 04/27/2022  
Supervised By :Jagrut Upadhyay 04/27/2022

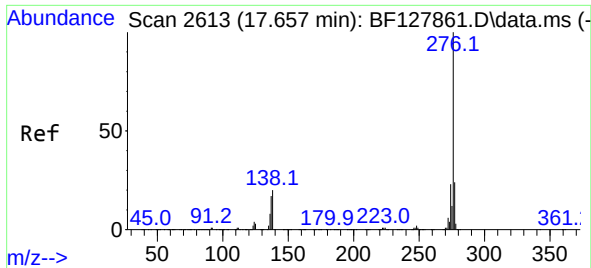


#90  
Benzo(a)pyrene  
Concen: 9.021 ng  
RT: 15.568 min Scan# 2258  
Delta R.T. 0.000 min  
Lab File: BF127927.D  
Acq: 26 Apr 2022 22:08



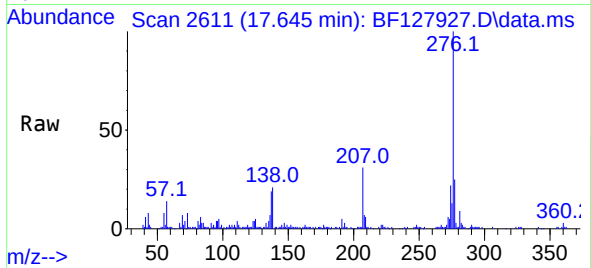
Tgt Ion:252 Resp: 146497  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.8 26.6  
125 9.6 9.2 13.8





#92  
Benzo(g,h,i)perylene  
Concen: 4.308 ng  
RT: 17.645 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: BF127927.D  
Acq: 26 Apr 2022 22:08

Instrument :  
BNA\_F  
ClientSampleId :  
MH-10D



Tgt Ion: 276 Resp: 75760  
Ion Ratio Lower Upper  
276 100  
277 25.3 18.8 28.2  
138 21.1 16.2 24.2

Manual Integrations  
APPROVED

Reviewed By : Christian Giraldo 04/27/2022  
Supervised By : Jagrut Upadhyay 04/27/2022

