

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080822\  
 Data File : BF129642.D  
 Acq On : 08 Aug 2022 21:06  
 Operator : CG\JU  
 Sample : N4091-05  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PSC-124037

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 08/09/2022  
 Supervised By : Jagrut Upadhyay 08/09/2022

Quant Time: Aug 09 00:35:53 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 05 16:27:34 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.839  | 152  | 169145   | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.122  | 136  | 677398   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.880  | 164  | 360647   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.369 | 188  | 595637   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12            | 14.015 | 240  | 275949   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12            | 15.492 | 264  | 331882   | 20.000  | ng    | -0.01    |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.481  | 112  | 1077681  | 103.789 | ng    | 0.00     |
| 7) Phenol-d6                | 6.487  | 99   | 1369648  | 104.944 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.404  | 82   | 871216   | 70.208  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.674 | 330  | 354519   | 102.245 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.198  | 172  | 1504839  | 64.548  | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.957 | 244  | 1313375  | 89.791  | ng    | -0.01    |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 75) Fluoranthene            | 12.580 | 202  | 117464   | 3.566   | ng    | 98       |
| 78) Pyrene                  | 12.816 | 202  | 99978    | 4.333   | ng    | 96       |
| 81) Benzo(a)anthracene      | 14.004 | 228  | 37762    | 2.003   | ng    | 97       |
| 83) Chrysene                | 14.039 | 228  | 38451m   | 2.164   | ng    |          |
| 88) Benzo(b)fluoranthene    | 15.057 | 252  | 60979m   | 2.770   | ng    |          |
| 90) Benzo(a)pyrene          | 15.421 | 252  | 37789    | 2.115   | ng    | # 89     |
| -----                       |        |      |          |         |       |          |

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

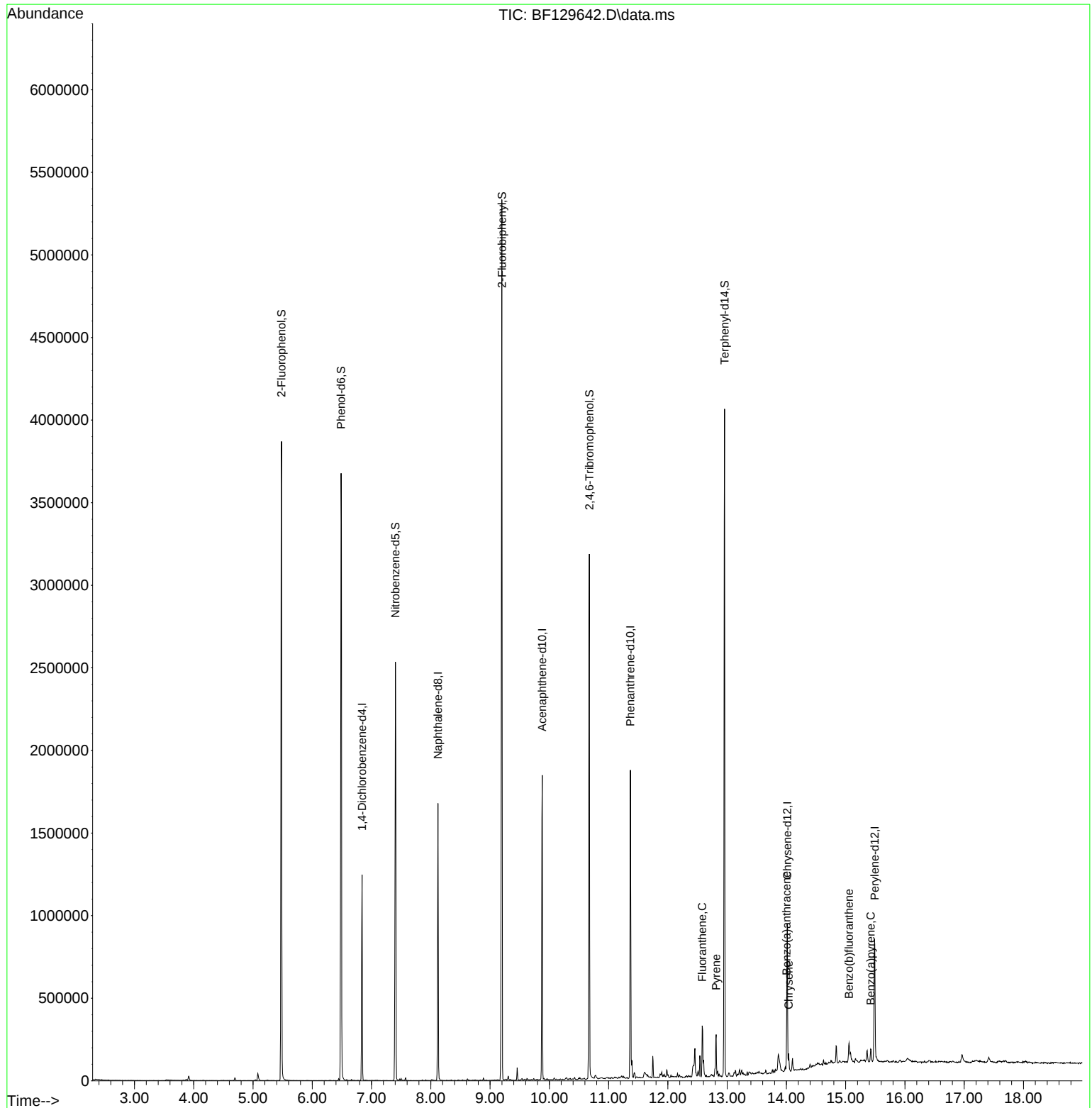
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080822\  
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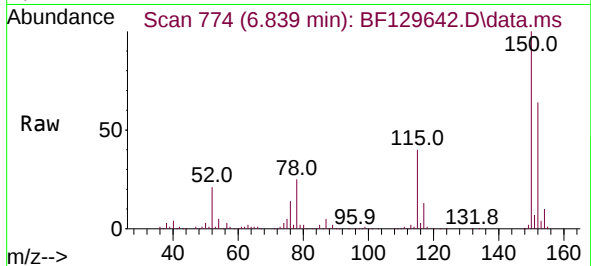
Reviewed By :Christian Giraldo 08/09/2022  
Supervised By :Jagrut Upadhyay 08/09/2022





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.839 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF129642.D  
Acq: 08 Aug 2022 21:06

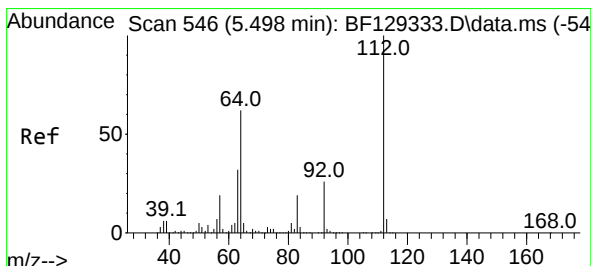
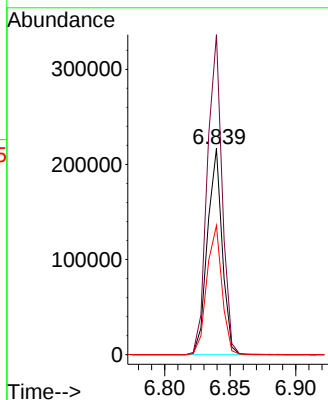
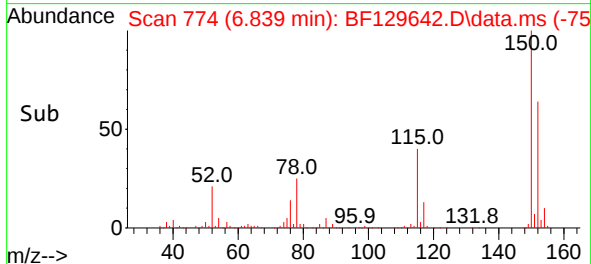
Instrument :  
BNA\_F  
ClientSampleId :  
PSC-124037



Tgt Ion:152 Resp: 169145  
Ion Ratio Lower Upper  
152 100  
150 155.2 123.7 185.5  
115 62.6 49.9 74.9

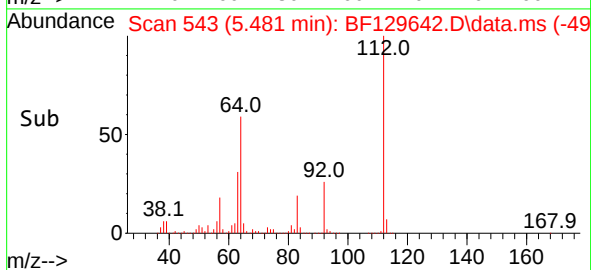
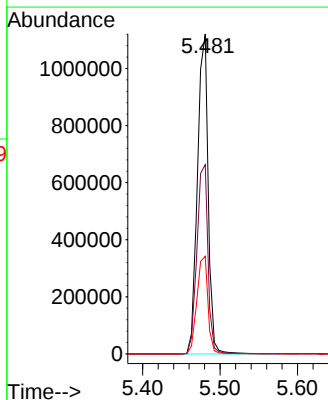
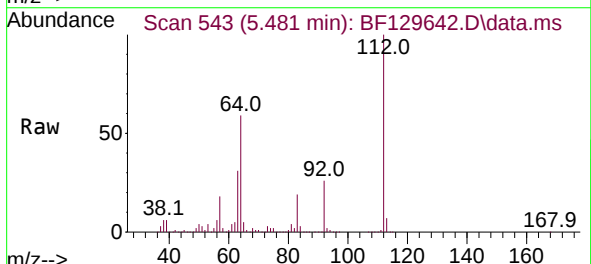
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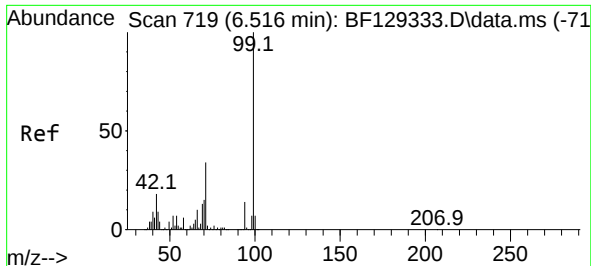
Reviewed By :Christian Giraldo 08/09/2022  
Supervised By :Jagrut Upadhyay 08/09/2022



#5  
2-Fluorophenol  
Concen: 103.789 ng  
RT: 5.481 min Scan# 543  
Delta R.T. -0.000 min  
Lab File: BF129642.D  
Acq: 08 Aug 2022 21:06

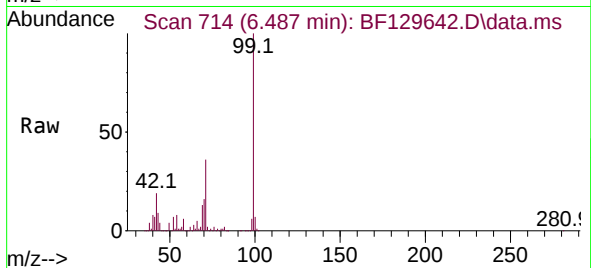
Tgt Ion:112 Resp: 1077681  
Ion Ratio Lower Upper  
112 100  
64 59.1 53.3 79.9  
63 30.6 28.0 42.0





#7  
Phenol-d6  
Concen: 104.944 ng  
RT: 6.487 min Scan# 71  
Delta R.T. -0.018 min  
Lab File: BF129642.D  
Acq: 08 Aug 2022 21:06

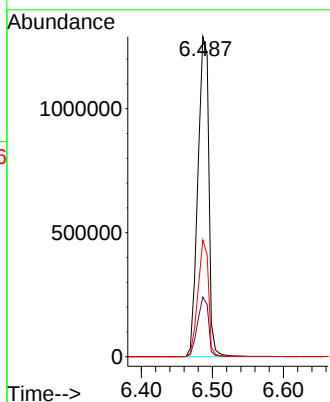
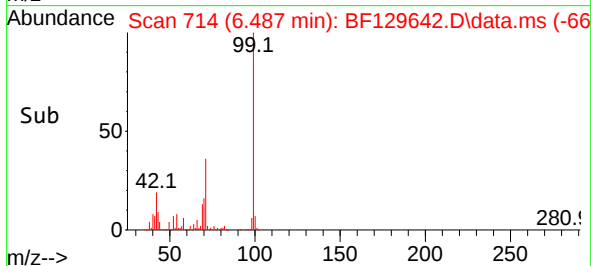
Instrument :  
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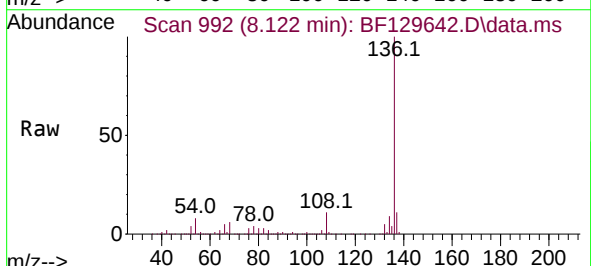
Tgt Ion: 99 Resp: 1369648  
Ion Ratio Lower Upper  
99 100  
42 18.6 17.3 25.9  
71 36.5 28.9 43.3

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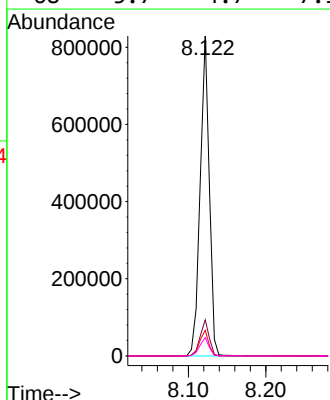
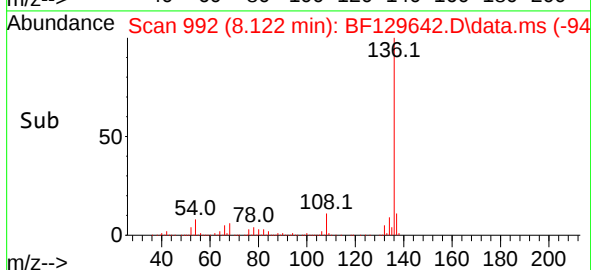
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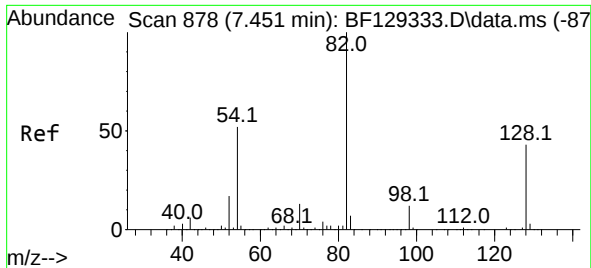


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.122 min Scan# 992  
Delta R.T. -0.012 min  
Lab File: BF129642.D  
Acq: 08 Aug 2022 21:06



Tgt Ion:136 Resp: 677398  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.8 13.2  
54 8.0 7.5 11.3  
68 5.7 4.7 7.1





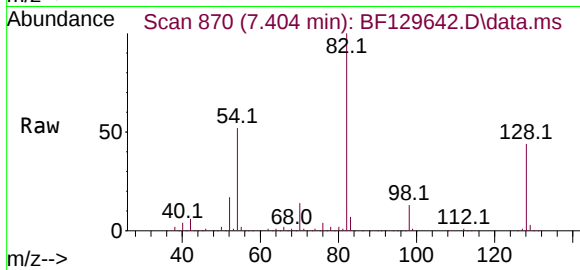
#23  
Nitrobenzene-d5  
Concen: 70.208 ng  
RT: 7.404 min Scan# 81  
Delta R.T. -0.018 min  
Lab File: BF129642.D  
Acq: 08 Aug 2022 21:06

Instrument :

BNA\_F

ClientSampleId :

PSC-124037

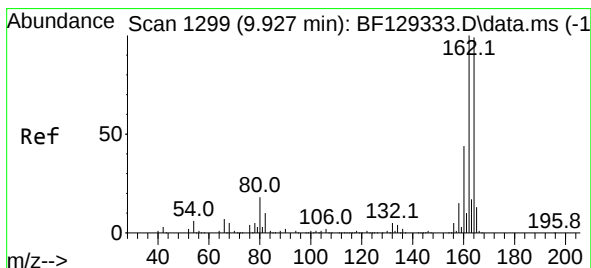
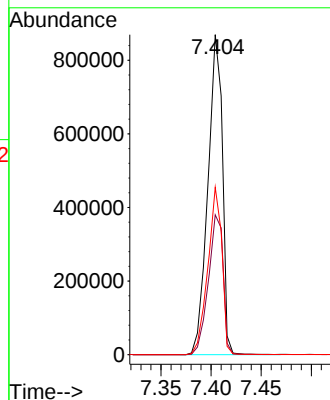
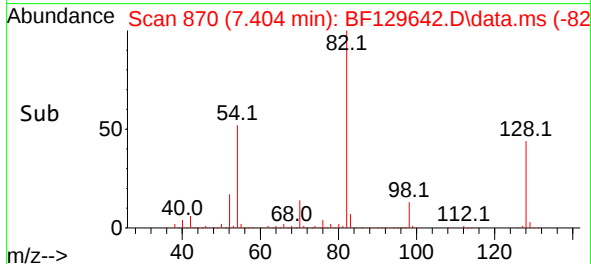


Tgt Ion: 82 Resp: 871216  
Ion Ratio Lower Upper  
82 100  
128 43.7 34.0 51.0  
54 52.3 46.9 70.3

Manual Integrations

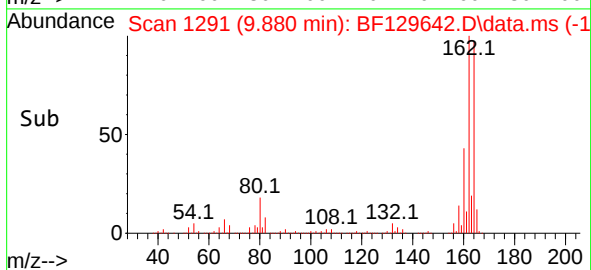
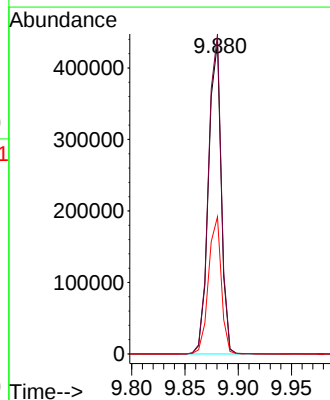
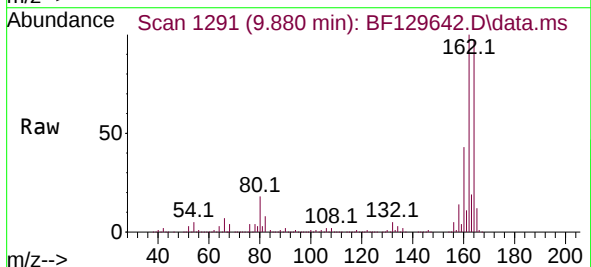
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Supervised By :Jagrut Upadhyay 08/09/2022



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.880 min Scan# 1291  
Delta R.T. -0.012 min  
Lab File: BF129642.D  
Acq: 08 Aug 2022 21:06

Tgt Ion:164 Resp: 360647  
Ion Ratio Lower Upper  
164 100  
162 102.7 79.5 119.3  
160 44.0 34.2 51.4





#42  
2,4,6-Tribromophenol  
Concen: 102.245 ng  
RT: 10.674 min Scan# 1434  
Delta R.T. -0.012 min  
Lab File: BF129642.D  
Acq: 08 Aug 2022 21:06

Instrument :

BNA\_F

ClientSampleId :

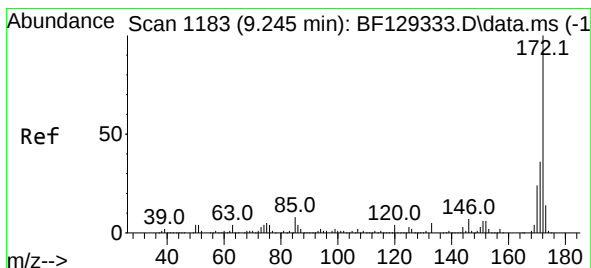
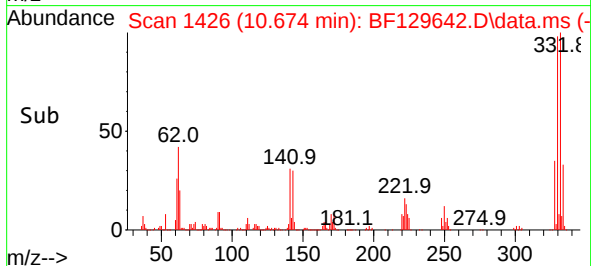
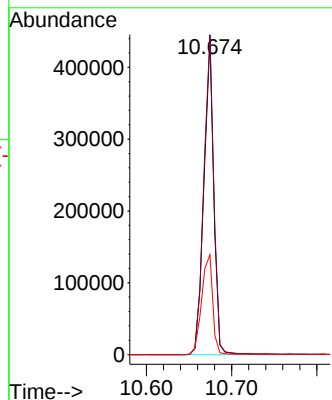
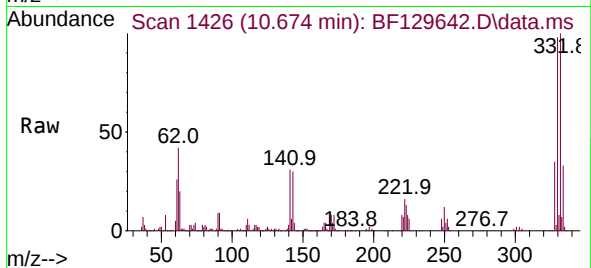
PSC-124037

Tgt Ion:330 Resp: 354519  
Ion Ratio Lower Upper  
330 100  
332 102.6 76.8 115.2  
141 35.2 28.0 42.0

Manual Integrations

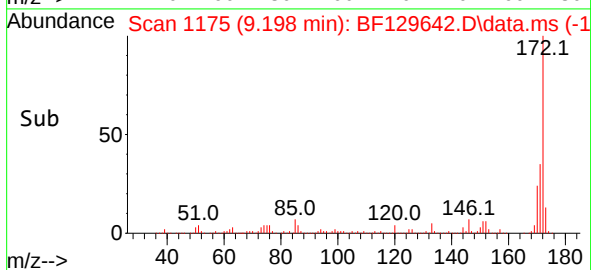
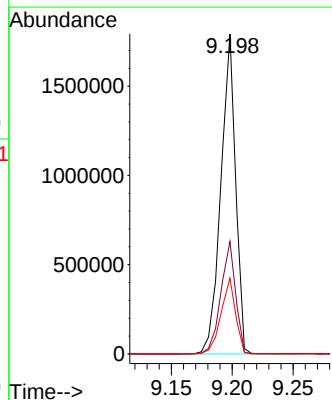
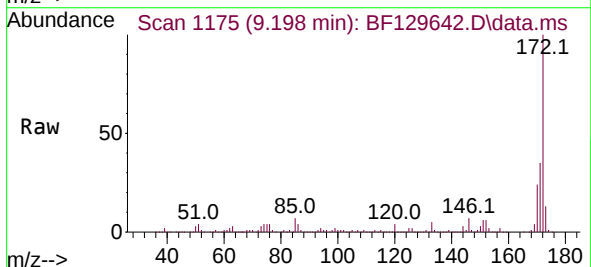
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Supervised By :Jagrut Upadhyay 08/09/2022



#45  
2-Fluorobiphenyl  
Concen: 64.548 ng  
RT: 9.198 min Scan# 1175  
Delta R.T. -0.012 min  
Lab File: BF129642.D  
Acq: 08 Aug 2022 21:06

Tgt Ion:172 Resp: 1504839  
Ion Ratio Lower Upper  
172 100  
171 35.1 28.8 43.2  
170 23.6 19.8 29.8





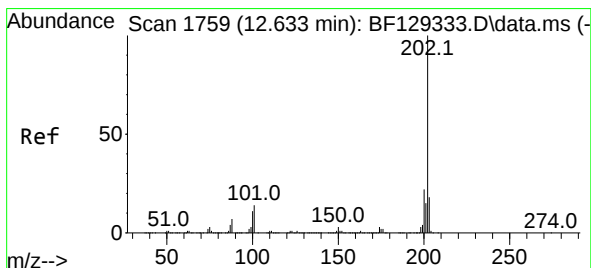
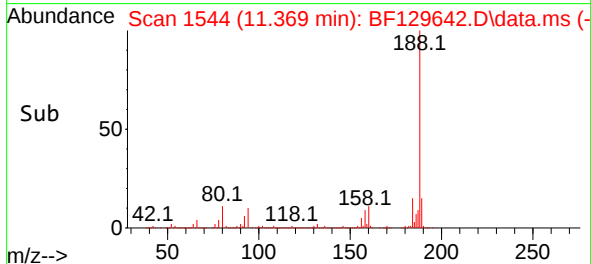
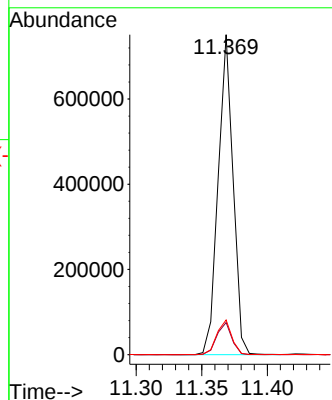
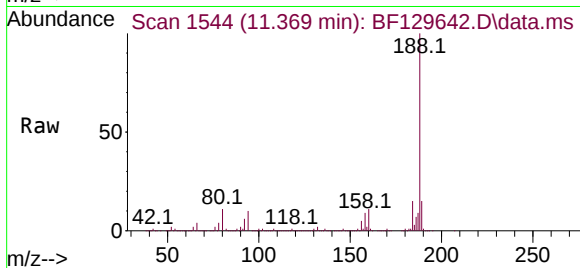
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.369 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF129642.D  
Acq: 08 Aug 2022 21:06

Instrument :  
BNA\_F  
ClientSampleId :  
PSC-124037

Tgt Ion:188 Resp: 59563  
Ion Ratio Lower Upper  
188 100  
94 10.0 7.0 10.6  
80 10.8 7.6 11.4

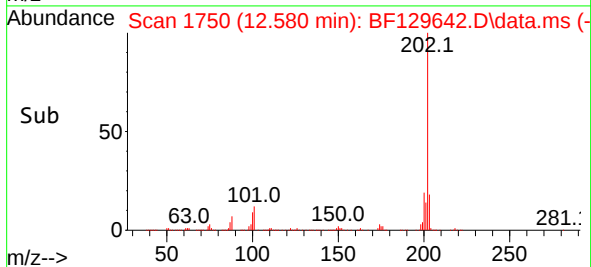
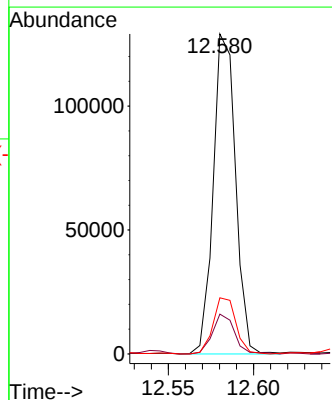
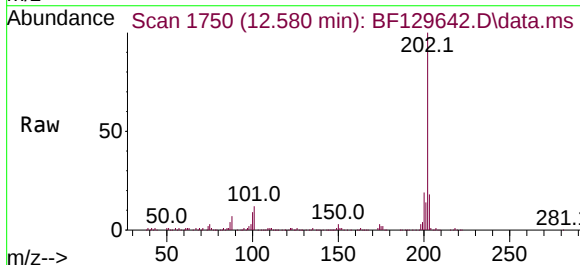
Manual Integrations  
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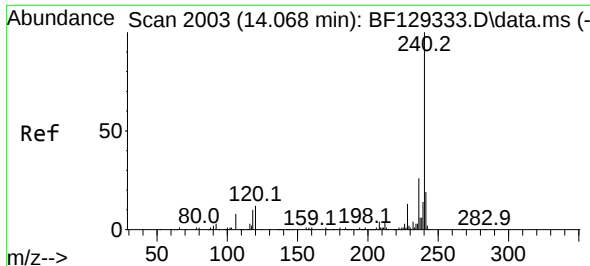
Reviewed By :Christian Giraldo 08/09/2022  
Supervised By :Jagrut Upadhyay 08/09/2022



#75  
Fluoranthene  
Concen: 3.566 ng  
RT: 12.580 min Scan# 1750  
Delta R.T. -0.018 min  
Lab File: BF129642.D  
Acq: 08 Aug 2022 21:06

Tgt Ion:202 Resp: 117464  
Ion Ratio Lower Upper  
202 100  
101 12.4 0.0 31.4  
203 17.5 0.0 38.0





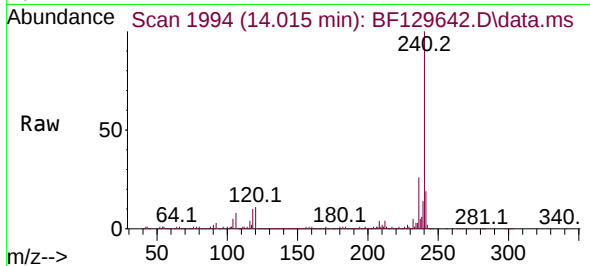
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.015 min Scan# 1994  
Delta R.T. -0.012 min  
Lab File: BF129642.D  
Acq: 08 Aug 2022 21:06

Instrument :

BNA\_F

ClientSampleId :

PSC-124037

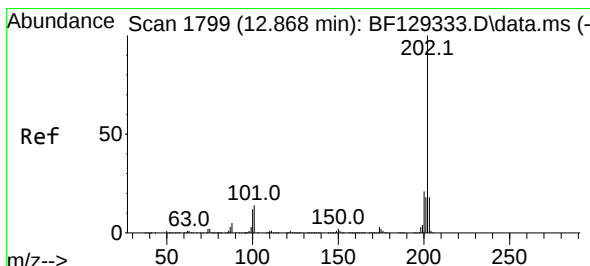
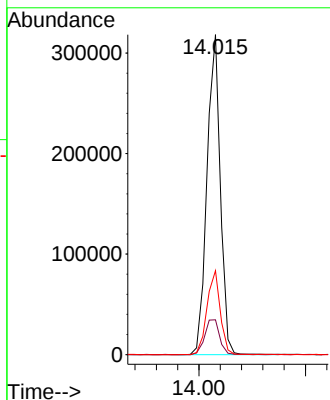
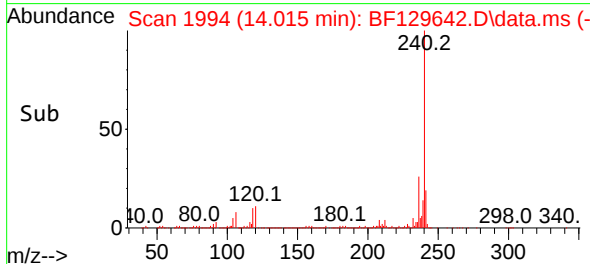


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Ion Ratio Lower Upper  
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120 10.9 8.9 13.3  
236 26.3 20.8 31.2

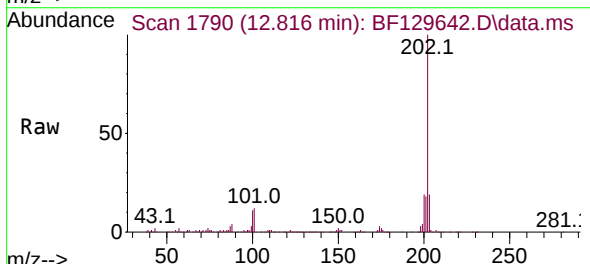
Manual Integrations

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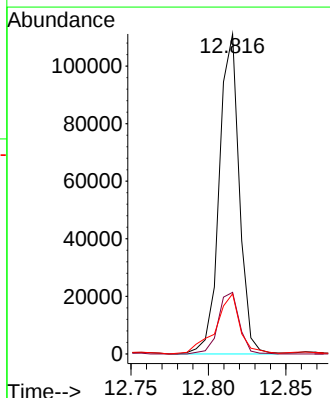
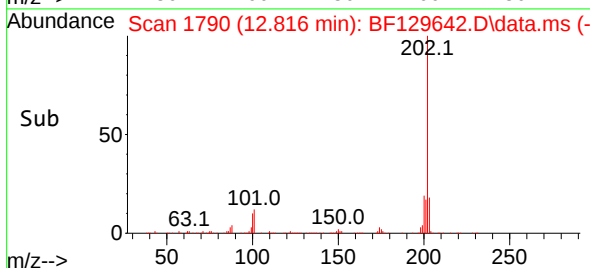
Reviewed By :Christian Giraldo 08/09/2022  
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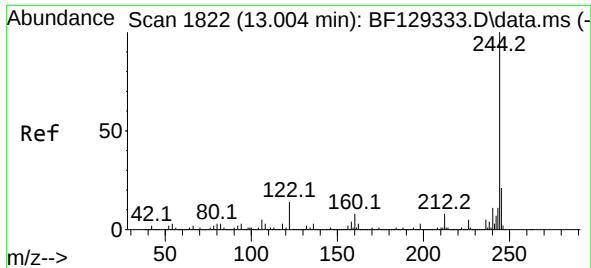


#78  
Pyrene  
Concen: 4.333 ng  
RT: 12.816 min Scan# 1790  
Delta R.T. -0.012 min  
Lab File: BF129642.D  
Acq: 08 Aug 2022 21:06



Tgt Ion:202 Resp: 99978  
Ion Ratio Lower Upper  
202 100  
200 19.2 17.7 26.5  
203 18.8 14.6 21.8





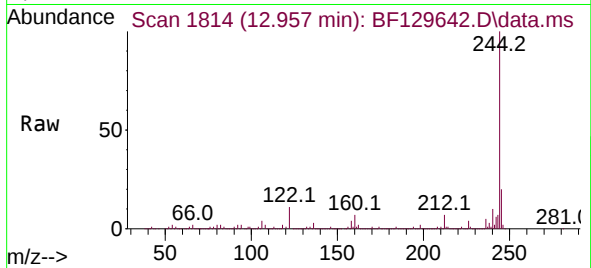
#79  
Terphenyl-d14  
Concen: 89.791 ng  
RT: 12.957 min Scan# 1822  
Delta R.T. -0.012 min  
Lab File: BF129642.D  
Acq: 08 Aug 2022 21:06

Instrument :

BNA\_F

ClientSampleId :

PSC-124037

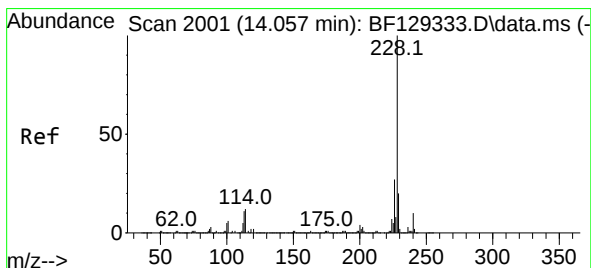
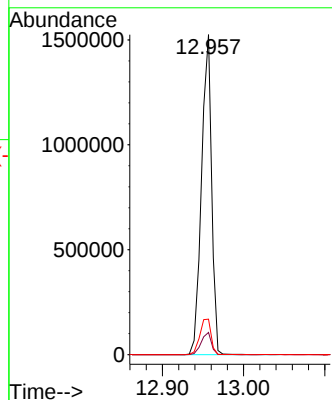
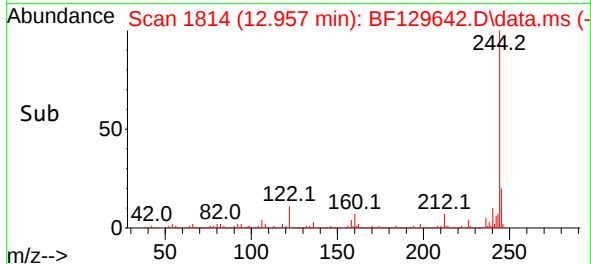


Tgt Ion:244 Resp: 1313375  
Ion Ratio Lower Upper  
244 100  
212 6.9 6.1 9.1  
122 11.1 8.8 13.2

Manual Integrations

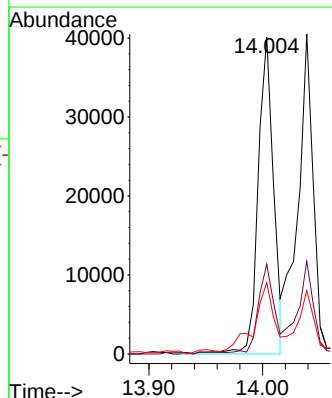
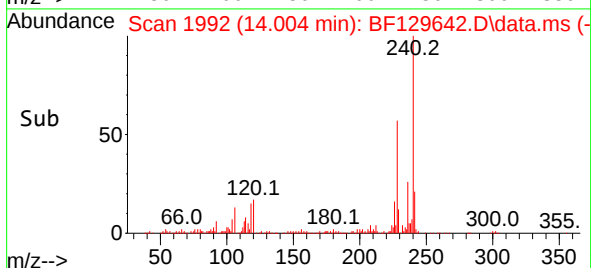
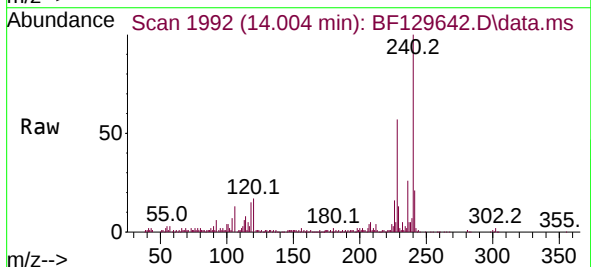
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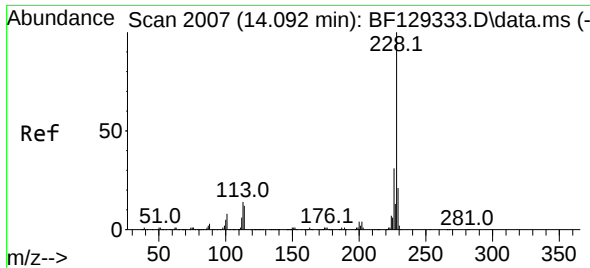
Reviewed By :Christian Giraldo 08/09/2022  
Supervised By :Jagrut Upadhyay 08/09/2022



#81  
Benzo(a)anthracene  
Concen: 2.003 ng  
RT: 14.004 min Scan# 1992  
Delta R.T. -0.012 min  
Lab File: BF129642.D  
Acq: 08 Aug 2022 21:06

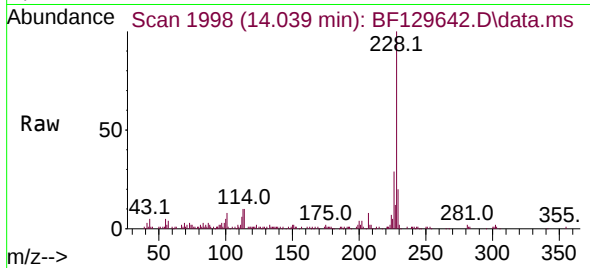
Tgt Ion:228 Resp: 37762  
Ion Ratio Lower Upper  
228 100  
226 28.3 22.1 33.1  
229 22.5 15.8 23.8





#83  
Chrysene  
Concen: 2.164 ng m  
RT: 14.039 min Scan# 1998  
Delta R.T. -0.018 min  
Lab File: BF129642.D  
Acq: 08 Aug 2022 21:06

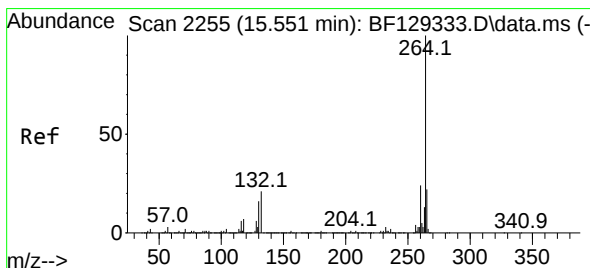
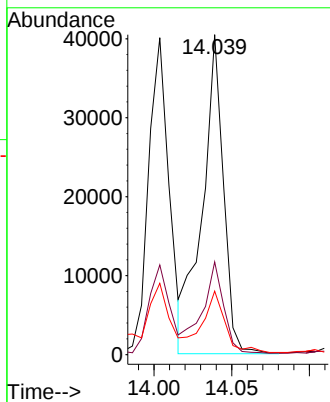
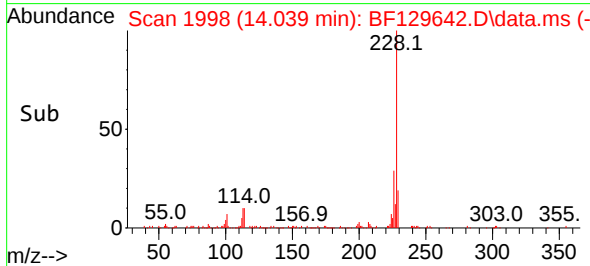
Instrument :  
BNA\_F  
ClientSampleId :  
PSC-124037



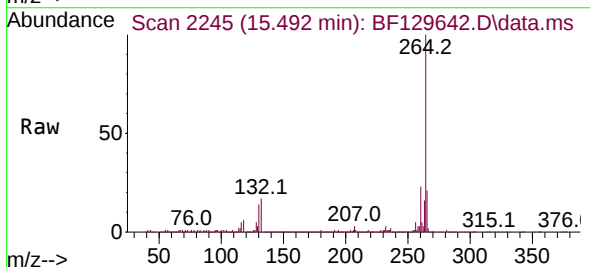
Tgt Ion:228 Resp: 3845  
Ion Ratio Lower Upper  
228 100  
226 29.0 24.3 36.5  
229 19.8 15.9 23.9

Manual Integrations  
APPROVED

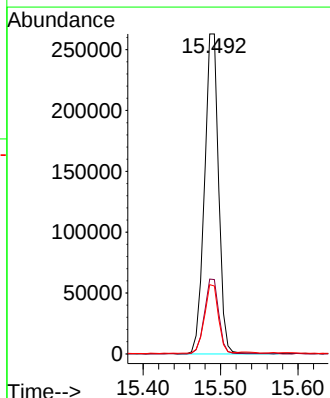
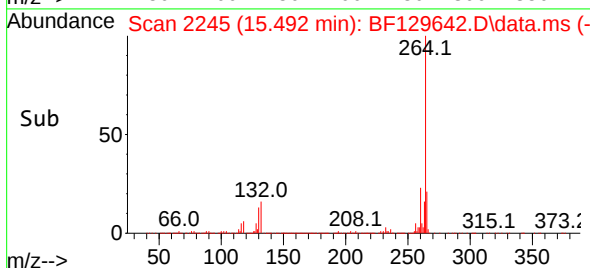
Reviewed By :Christian Giraldo 08/09/2022  
Supervised By :Jagrut Upadhyay 08/09/2022

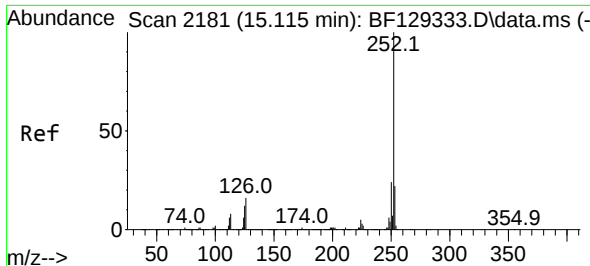


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.492 min Scan# 2245  
Delta R.T. -0.012 min  
Lab File: BF129642.D  
Acq: 08 Aug 2022 21:06



Tgt Ion:264 Resp: 331882  
Ion Ratio Lower Upper  
264 100  
260 23.2 18.4 27.6  
265 21.2 17.2 25.8





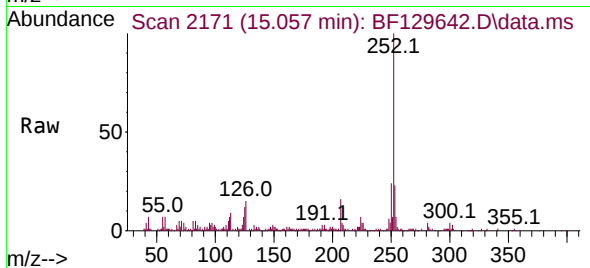
#88  
Benzo(b)fluoranthene  
Concen: 2.770 ng m  
RT: 15.057 min Scan# 2181  
Delta R.T. -0.012 min  
Lab File: BF129642.D  
Acq: 08 Aug 2022 21:06

Instrument :

BNA\_F

ClientSampleId :

PSC-124037

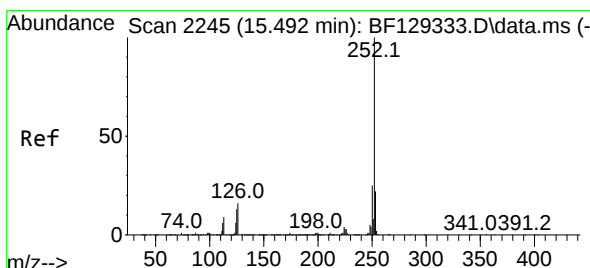
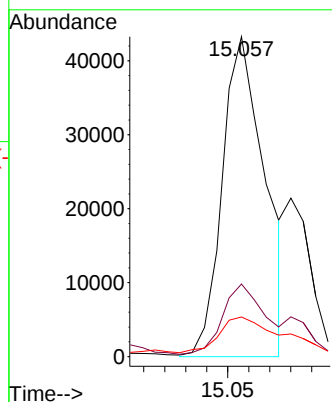
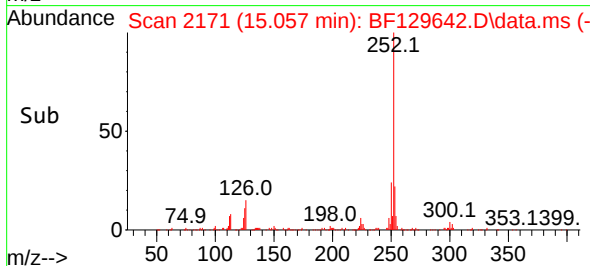


Tgt Ion:252 Resp: 60979  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.7 26.5  
125 12.4 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/09/2022  
Supervised By :Jagrut Upadhyay 08/09/2022



#90  
Benzo(a)pyrene  
Concen: 2.115 ng  
RT: 15.421 min Scan# 2233  
Delta R.T. -0.018 min  
Lab File: BF129642.D  
Acq: 08 Aug 2022 21:06

Tgt Ion:252 Resp: 37789  
Ion Ratio Lower Upper  
252 100  
253 26.2 17.0 25.6#  
125 15.1 8.8 13.2#

