

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070722\  
 Data File : BF129169.D  
 Acq On : 07 Jul 2022 20:35  
 Operator : CG\JU  
 Sample : N3584-05 5X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RB-21199

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 07/08/2022  
 Supervised By : Jagrut Upadhyay 07/08/2022

Quant Time: Jul 08 01:56:56 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 29 17:05:31 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.951  | 152  | 192713   | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.234  | 136  | 623746   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 10.010 | 164  | 246403   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.551 | 188  | 239618m  | 20.000 | ng    | 0.05     |
| 76) Chrysene-d12              | 14.174 | 240  | 590793   | 20.000 | ng    | 0.02     |
| 86) Perylene-d12              | 15.674 | 264  | 568983   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.563  | 112  | 29252    | 2.566  | ng    | -0.02    |
| 7) Phenol-d6                  | 6.563  | 99   | 112048   | 7.915  | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.510  | 82   | 86176    | 8.241  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.822 | 330  | 50672    | 18.913 | ng    | 0.02     |
| 45) 2-Fluorobiphenyl          | 9.310  | 172  | 211537   | 13.734 | ng    | -0.01    |
| 79) Terphenyl-d14             | 13.139 | 244  | 255710   | 8.988  | ng    | 0.05     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 37) 2-Methylnaphthalene       | 8.951  | 142  | 120080   | 6.302  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 9.051  | 142  | 102719   | 5.551  | ng    | 99       |
| 71) Phenanthrene              | 11.580 | 178  | 736599m  | 64.338 | ng    |          |
| 75) Fluoranthene              | 12.792 | 202  | 297067   | 24.811 | ng    | 73       |
| 78) Pyrene                    | 13.016 | 202  | 253238m  | 6.184  | ng    |          |
| 81) Benzo(a)anthracene        | 14.163 | 228  | 187119   | 5.187  | ng    | # 90     |
| 83) Chrysene                  | 14.198 | 228  | 237792m  | 7.101  | ng    |          |
| 84) Bis(2-ethylhexyl)phtha... | 14.121 | 149  | 107009   | 4.826  | ng    | # 67     |
| 88) Benzo(b)fluoranthene      | 15.221 | 252  | 305136m  | 8.917  | ng    |          |
| 89) Benzo(k)fluoranthene      | 15.251 | 252  | 72653m   | 2.189  | ng    |          |
| 90) Benzo(a)pyrene            | 15.610 | 252  | 110486   | 3.961  | ng    | # 90     |
| -----                         |        |      |          |        |       |          |

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

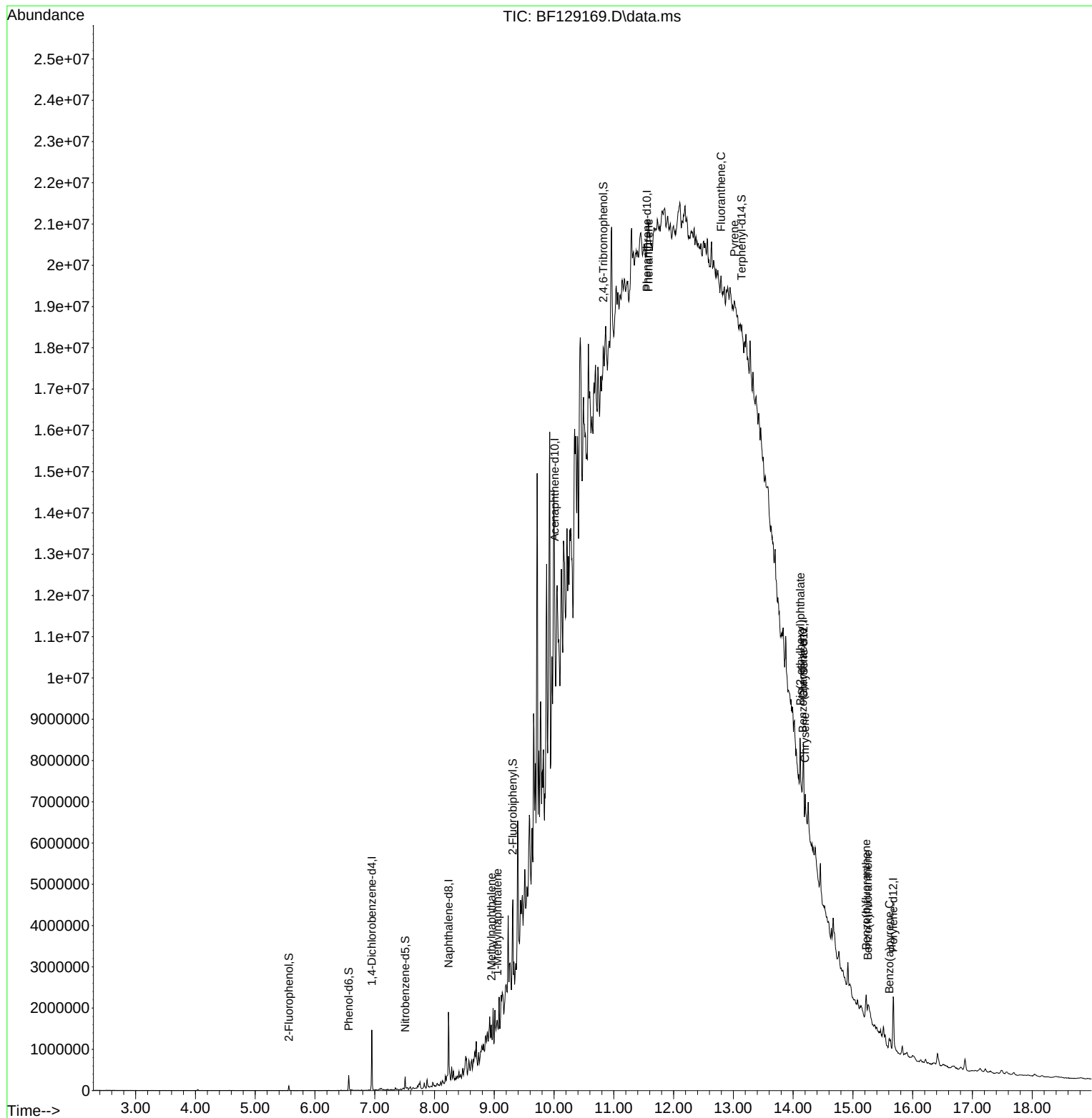
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070722\  
Data File : BF129169.D  
Acq On : 07 Jul 2022 20:35  
Operator : CG\JU  
Sample : N3584-05 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

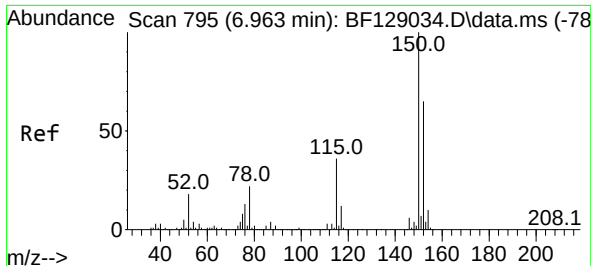
Instrument :  
BNA\_F  
ClientSampleId :  
RB-21199

Quant Time: Jul 08 01:56:56 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 29 17:05:31 2022  
Response via : Initial Calibration

Manual Integrations  
APPROVED

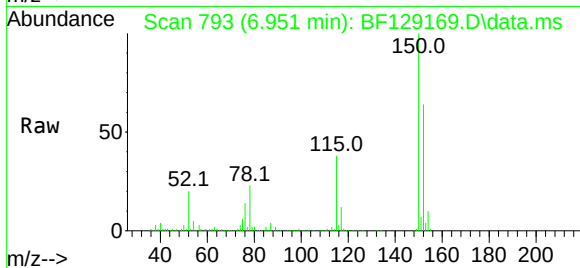
Reviewed By : Christian Giraldo 07/08/2022  
Supervised By : Jagrut Upadhyay 07/08/2022





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.951 min Scan# 795  
Delta R.T. -0.012 min  
Lab File: BF129169.D  
Acq: 07 Jul 2022 20:35

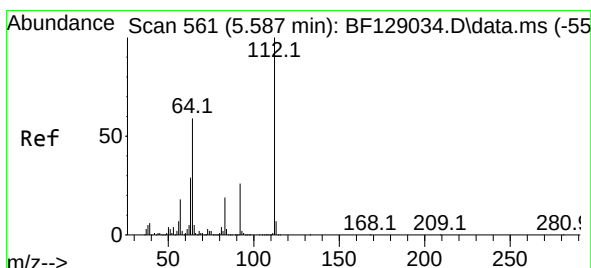
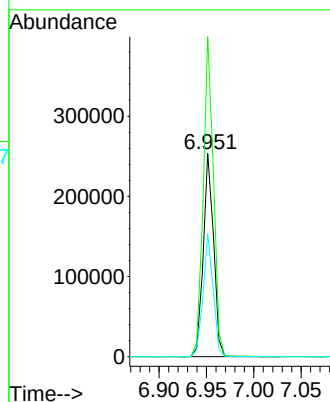
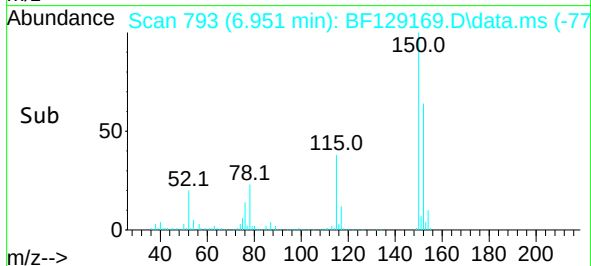
Instrument :  
BNA\_F  
ClientSampleId :  
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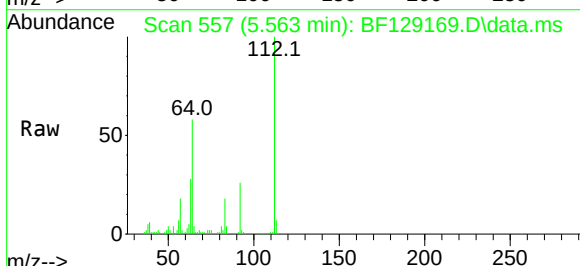
Tgt Ion:152 Resp: 19271  
Ion Ratio Lower Upper  
152 100  
150 157.5 123.7 185.5  
115 60.5 49.9 74.9

Manual Integrations  
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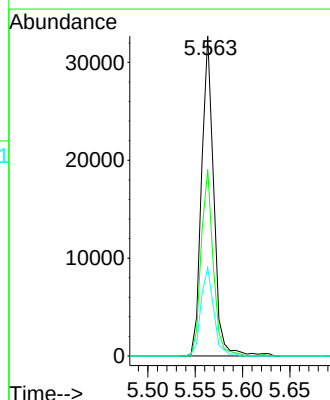
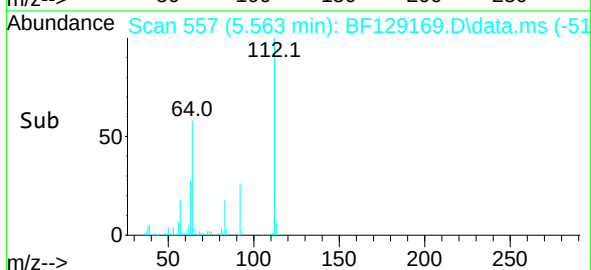
Reviewed By :Christian Giraldo 07/08/2022  
Supervised By :Jagrut Upadhyay 07/08/2022

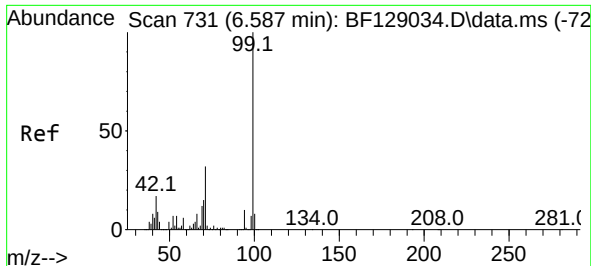


#5  
2-Fluorophenol  
Concen: 2.566 ng  
RT: 5.563 min Scan# 557  
Delta R.T. -0.024 min  
Lab File: BF129169.D  
Acq: 07 Jul 2022 20:35



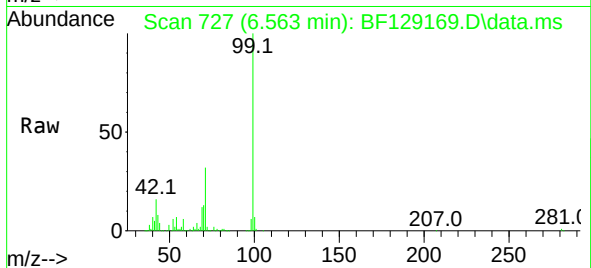
Tgt Ion:112 Resp: 29252  
Ion Ratio Lower Upper  
112 100  
64 58.2 53.3 79.9  
63 27.6 28.0 42.0





#7  
Phenol-d6  
Concen: 7.915 ng  
RT: 6.563 min Scan# 71  
Delta R.T. -0.024 min  
Lab File: BF129169.D  
Acq: 07 Jul 2022 20:35

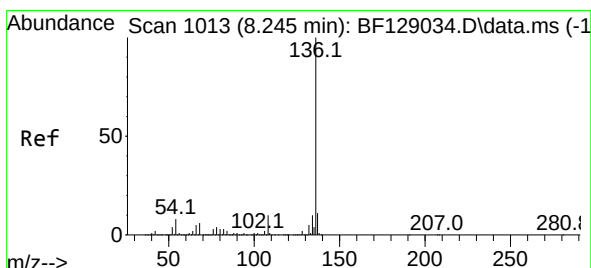
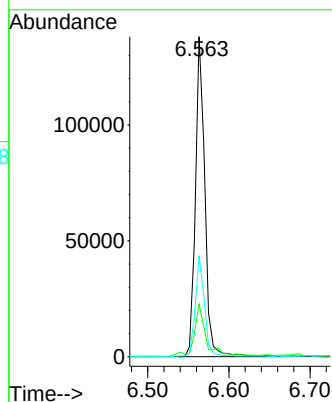
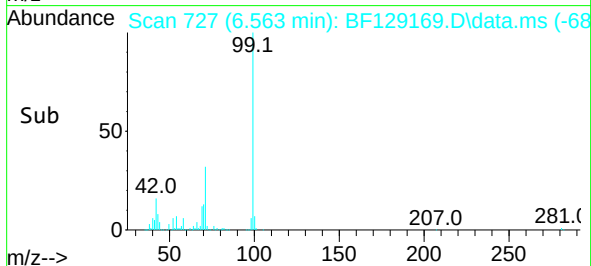
Instrument :  
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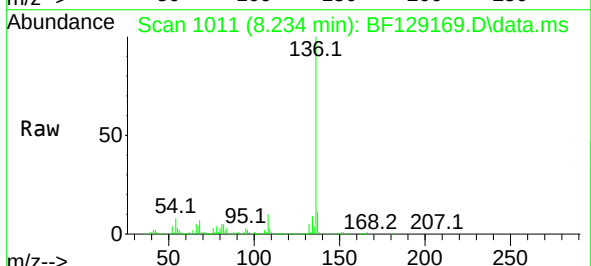
Tgt Ion: 99 Resp: 112048  
Ion Ratio Lower Upper  
99 100  
42 16.4 17.3 25.9  
71 31.6 28.9 43.3

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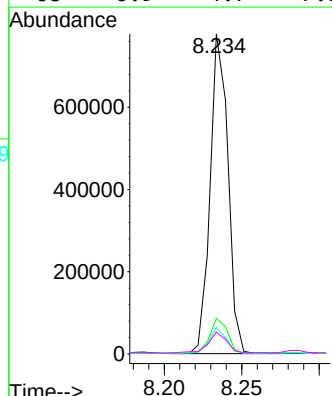
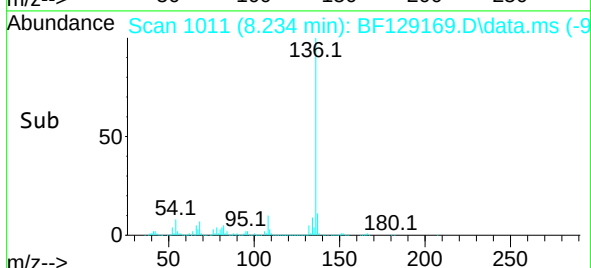
Reviewed By :Christian Giraldo 07/08/2022  
Supervised By :Jagrut Upadhyay 07/08/2022

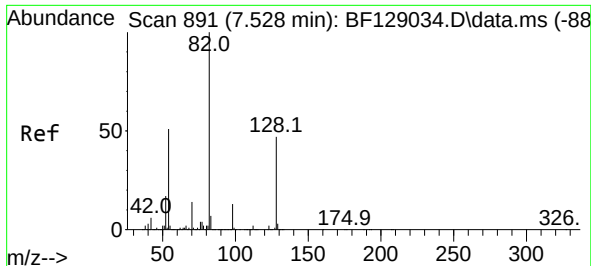


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.234 min Scan# 1011  
Delta R.T. -0.011 min  
Lab File: BF129169.D  
Acq: 07 Jul 2022 20:35



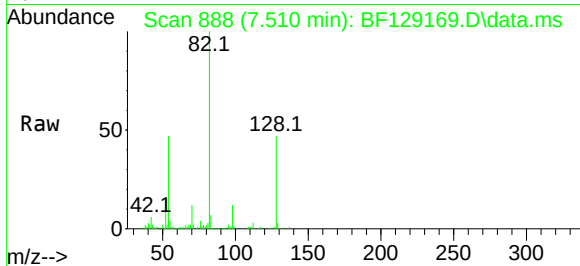
Tgt Ion:136 Resp: 623746  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.8 13.2  
54 8.2 7.5 11.3  
68 6.9 4.7 7.1





#23  
Nitrobenzene-d5  
Concen: 8.241 ng  
RT: 7.510 min Scan# 891  
Delta R.T. -0.018 min  
Lab File: BF129169.D  
Acq: 07 Jul 2022 20:35

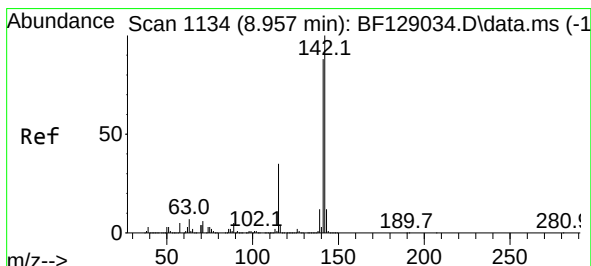
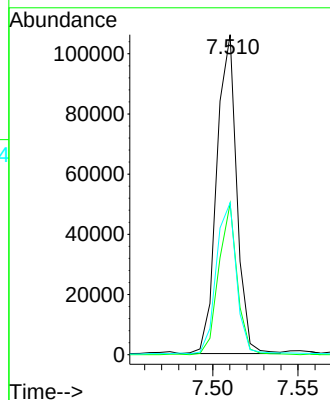
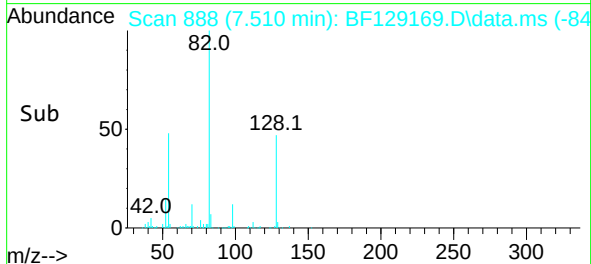
Instrument :  
BNA\_F  
ClientSampleId :  
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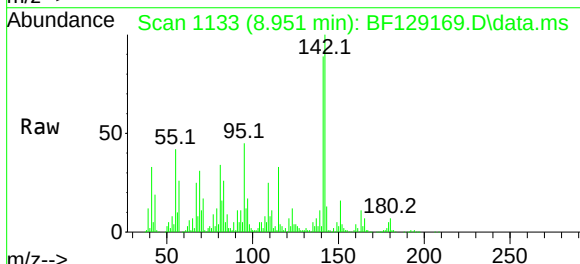
Tgt Ion: 82 Resp: 86170  
Ion Ratio Lower Upper  
82 100  
128 47.2 34.0 51.0  
54 47.4 46.9 70.3

Manual Integrations  
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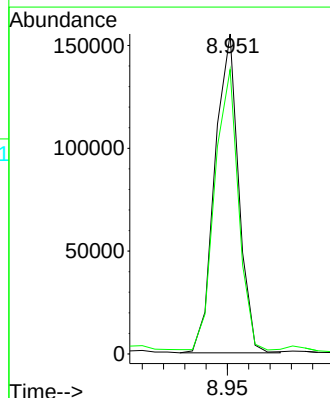
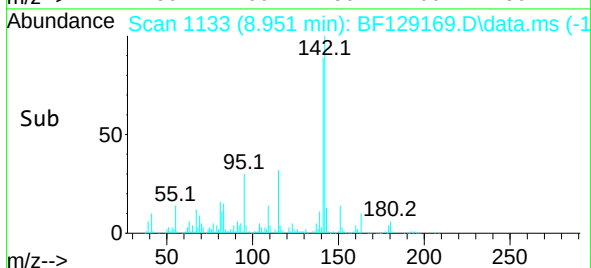
Reviewed By :Christian Giraldo 07/08/2022  
Supervised By :Jagrut Upadhyay 07/08/2022

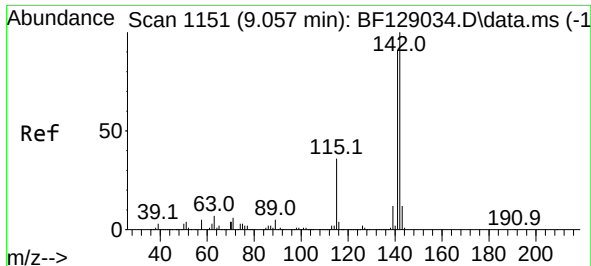


#37  
2-Methylnaphthalene  
Concen: 6.302 ng  
RT: 8.951 min Scan# 1133  
Delta R.T. -0.006 min  
Lab File: BF129169.D  
Acq: 07 Jul 2022 20:35



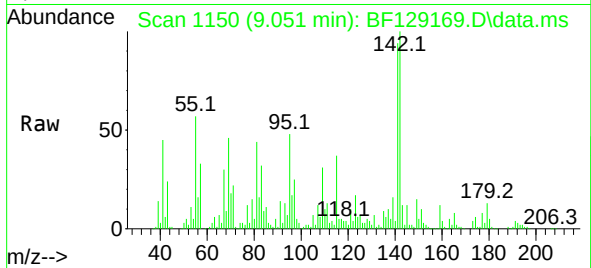
Tgt Ion:142 Resp: 120080  
Ion Ratio Lower Upper  
142 100  
141 88.9 71.0 106.4





#38  
1-Methylnaphthalene  
Concen: 5.551 ng  
RT: 9.051 min Scan# 1151  
Delta R.T. -0.006 min  
Lab File: BF129169.D  
Acq: 07 Jul 2022 20:35

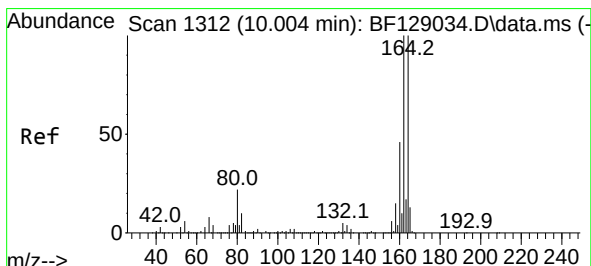
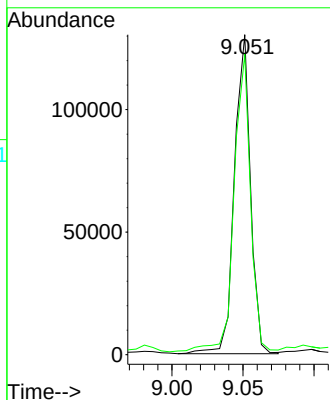
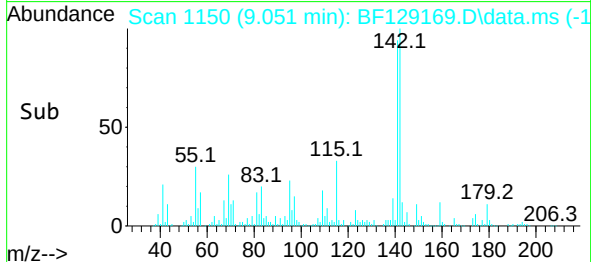
Instrument :  
BNA\_F  
ClientSampleId :  
RB-21199



Tgt Ion:142 Resp: 102719  
Ion Ratio Lower Upper  
142 100  
141 93.8 74.2 111.4

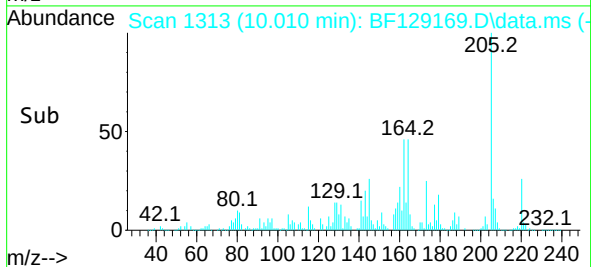
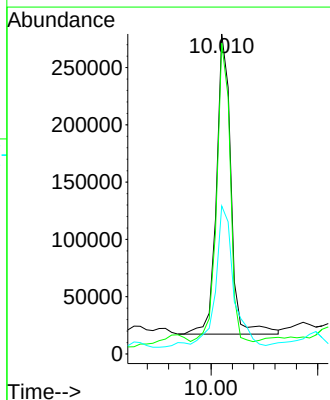
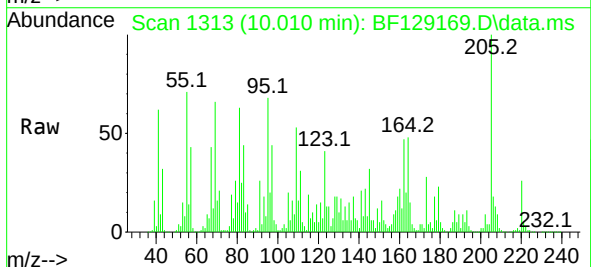
Manual Integrations  
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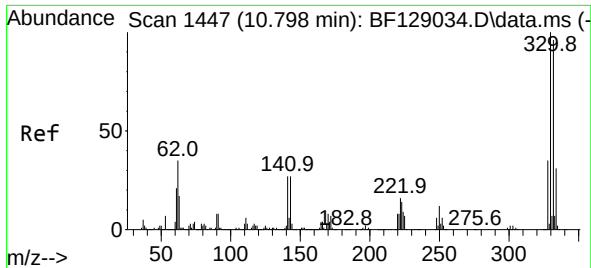
Reviewed By :Christian Giraldo 07/08/2022  
Supervised By :Jagrut Upadhyay 07/08/2022



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.010 min Scan# 1313  
Delta R.T. 0.006 min  
Lab File: BF129169.D  
Acq: 07 Jul 2022 20:35

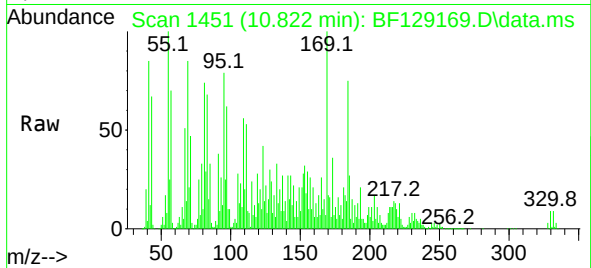
Tgt Ion:164 Resp: 246403  
Ion Ratio Lower Upper  
164 100  
162 97.1 79.5 119.3  
160 46.3 34.2 51.4





#42  
2,4,6-Tribromophenol  
Concen: 18.913 ng  
RT: 10.822 min Scan# 1447  
Delta R.T. 0.023 min  
Lab File: BF129169.D  
Acq: 07 Jul 2022 20:35

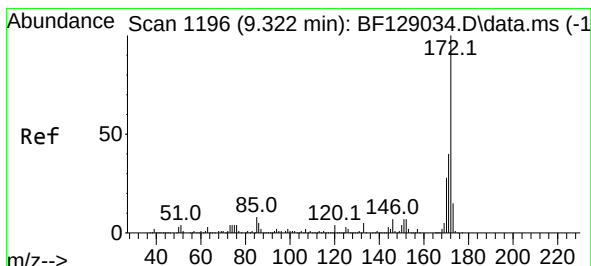
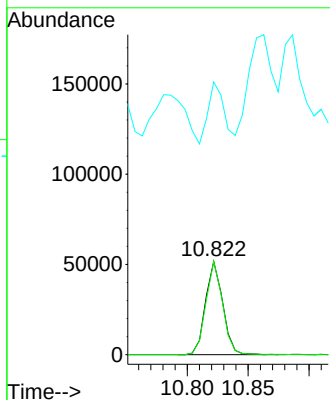
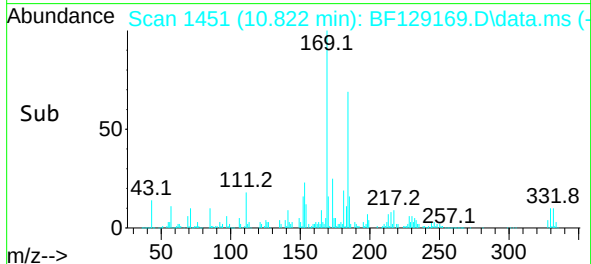
Instrument :  
BNA\_F  
ClientSampleId :  
RB-21199



Tgt Ion:330 Resp: 50672  
Ion Ratio Lower Upper  
330 100  
332 97.7 76.8 115.2  
141 61.4 28.0 42.0

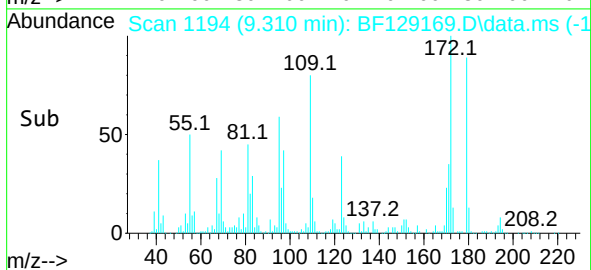
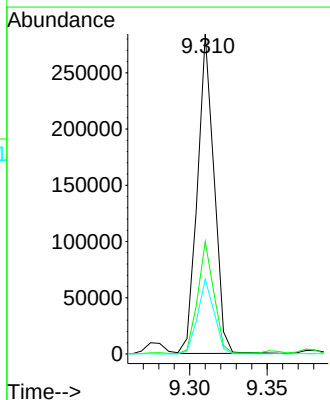
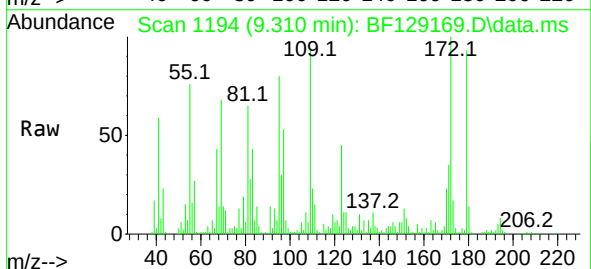
Manual Integrations  
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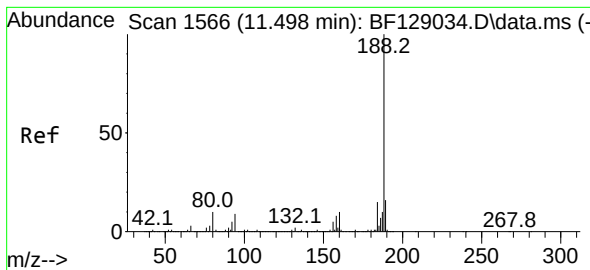
Reviewed By :Christian Giraldo 07/08/2022  
Supervised By :Jagrut Upadhyay 07/08/2022



#45  
2-Fluorobiphenyl  
Concen: 13.734 ng  
RT: 9.310 min Scan# 1194  
Delta R.T. -0.012 min  
Lab File: BF129169.D  
Acq: 07 Jul 2022 20:35

Tgt Ion:172 Resp: 211537  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.8 43.2  
170 23.4 19.8 29.8





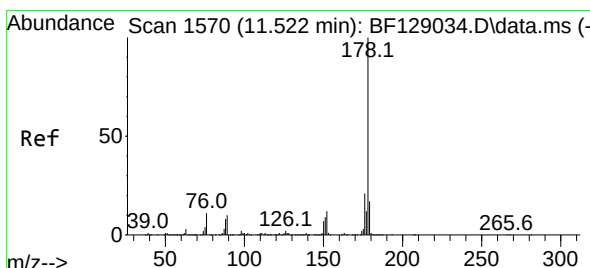
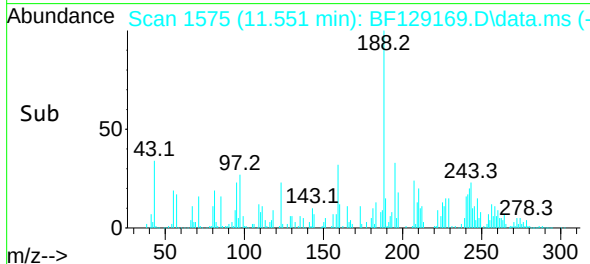
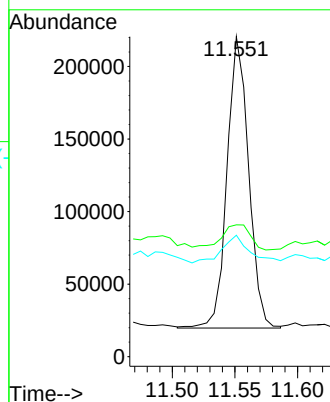
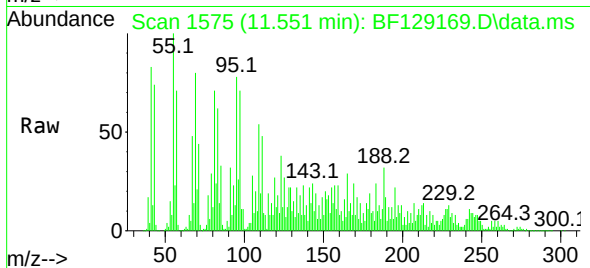
#64  
Phenanthrene-d10  
Concen: 20.000 ng m  
RT: 11.551 min Scan# 1566  
Delta R.T. 0.053 min  
Lab File: BF129169.D  
Acq: 07 Jul 2022 20:35

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:188 Resp: 239618  
Ion Ratio Lower Upper  
188 100  
94 41.2 7.0 10.6  
80 37.9 7.6 11.4

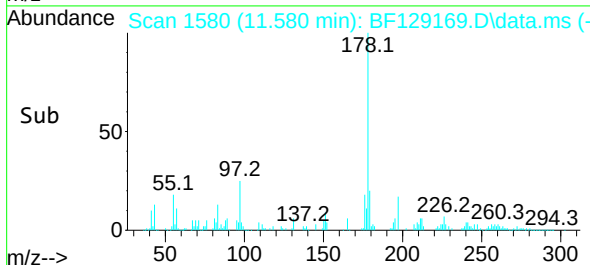
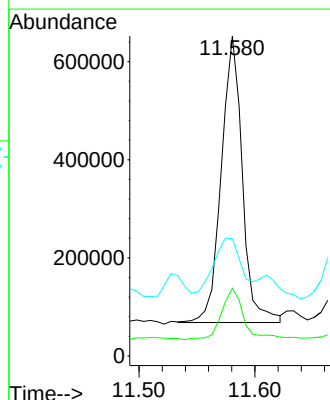
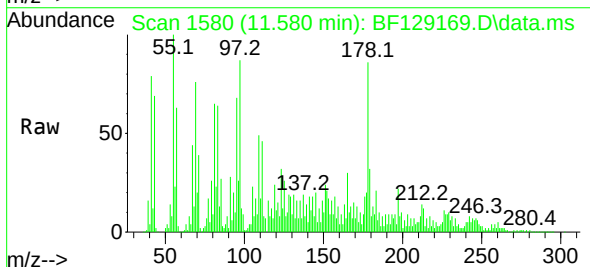
Manual Integrations  
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Supervised By :Jagrut Upadhyay 07/08/2022

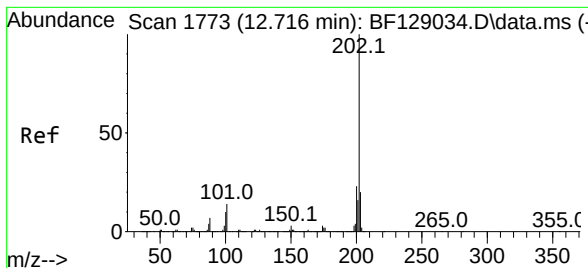


#71  
Phenanthrene  
Concen: 64.338 ng m  
RT: 11.580 min Scan# 1580  
Delta R.T. 0.059 min  
Lab File: BF129169.D  
Acq: 07 Jul 2022 20:35

Tgt Ion:178 Resp: 736599  
Ion Ratio Lower Upper  
178 100  
176 21.2 16.0 24.0  
179 36.6 12.6 19.0

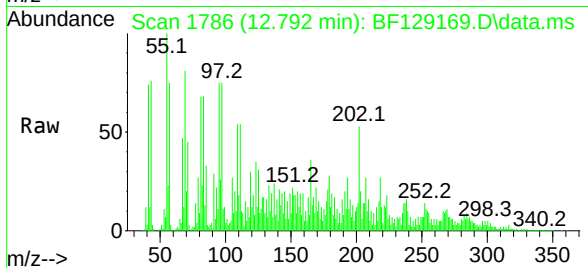






#75  
Fluoranthene  
Concen: 24.811 ng  
RT: 12.792 min Scan# 11  
Delta R.T. 0.076 min  
Lab File: BF129169.D  
Acq: 07 Jul 2022 20:35

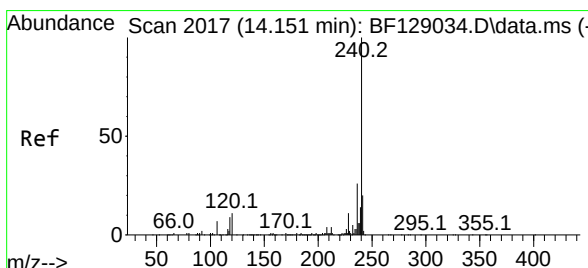
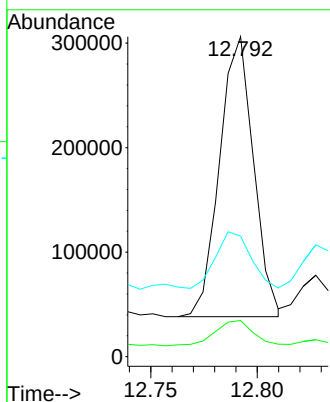
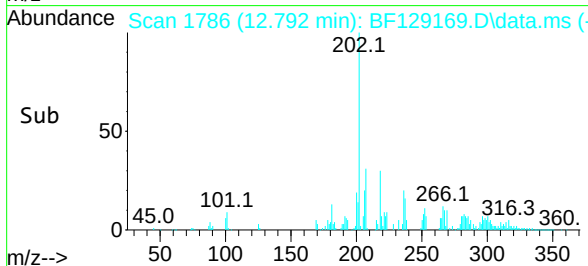
Instrument :  
BNA\_F  
ClientSampleId :  
RB-21199



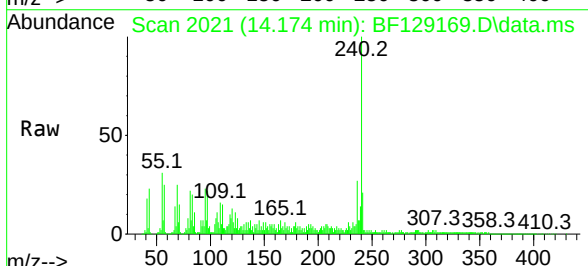
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Ion Ratio Lower Upper  
202 100  
101 11.3 0.0 31.4  
203 37.6 0.0 38.0

Manual Integrations  
APPROVED

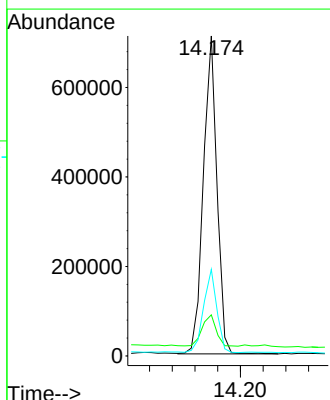
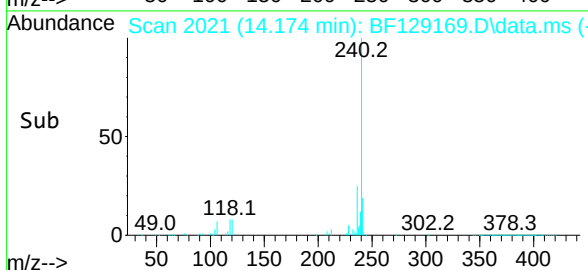
Reviewed By :Christian Giraldo 07/08/2022  
Supervised By :Jagrut Upadhyay 07/08/2022

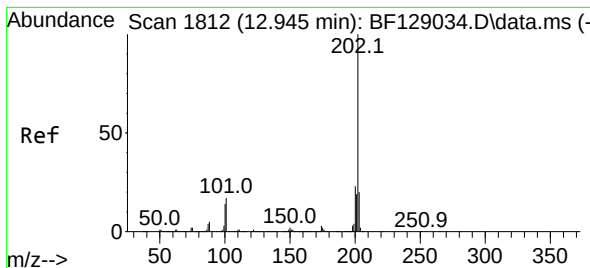


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.174 min Scan# 2021  
Delta R.T. 0.023 min  
Lab File: BF129169.D  
Acq: 07 Jul 2022 20:35



Tgt Ion:240 Resp: 590793  
Ion Ratio Lower Upper  
240 100  
120 12.8 8.9 13.3  
236 27.1 20.8 31.2





#78

Pyrene

Concen: 6.184 ng m

RT: 13.016 min Scan# 1824

Delta R.T. 0.071 min

Lab File: BF129169.D

Acq: 07 Jul 2022 20:35

Instrument :

BNA\_F

ClientSampleId :

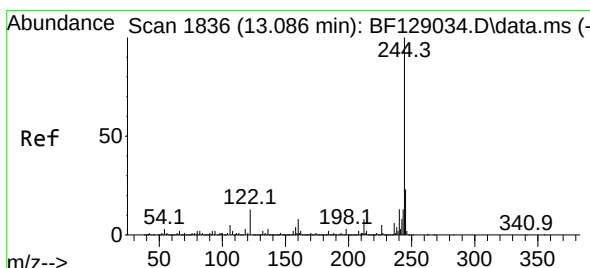
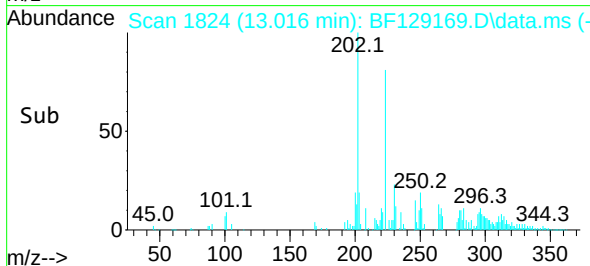
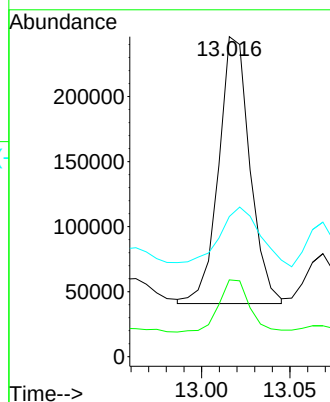
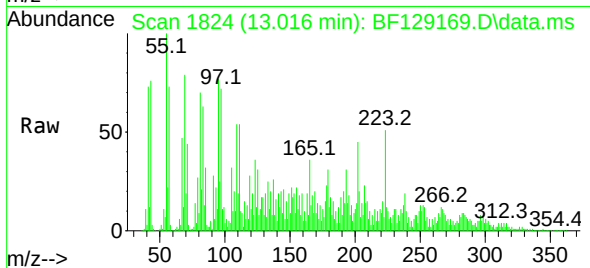
RB-21199

Tgt Ion:202 Resp: 253238  
 Ion Ratio Lower Upper  
 202 100  
 200 24.0 17.7 26.5  
 203 43.8 14.6 21.8

Manual Integrations

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Reviewed By :Christian Giraldo 07/08/2022  
 Supervised By :Jagrut Upadhyay 07/08/2022



#79

Terphenyl-d14

Concen: 8.988 ng

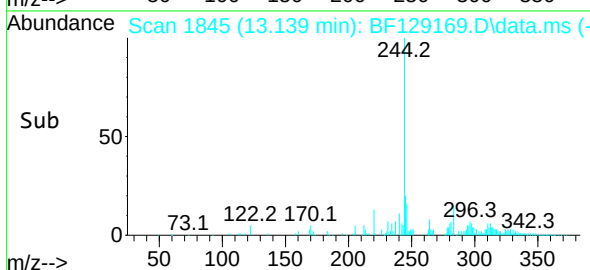
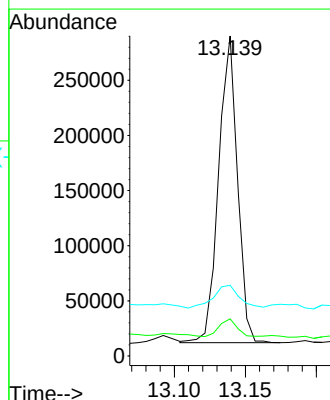
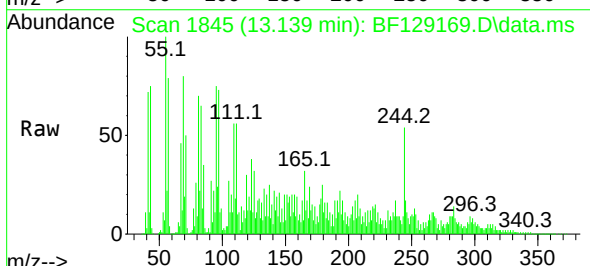
RT: 13.139 min Scan# 1845

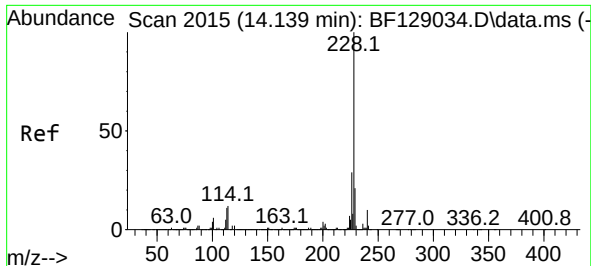
Delta R.T. 0.053 min

Lab File: BF129169.D

Acq: 07 Jul 2022 20:35

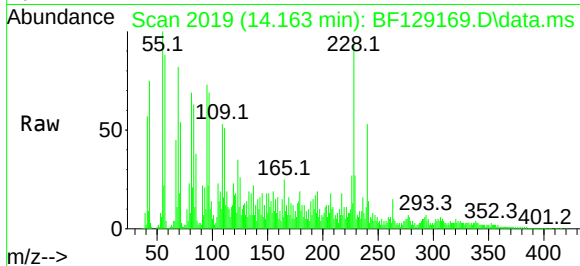
Tgt Ion:244 Resp: 255710  
 Ion Ratio Lower Upper  
 244 100  
 212 11.6 6.1 9.1#  
 122 22.1 8.8 13.2#





#81  
Benzo(a)anthracene  
Concen: 5.187 ng  
RT: 14.163 min Scan# 2019  
Delta R.T. 0.023 min  
Lab File: BF129169.D  
Acq: 07 Jul 2022 20:35

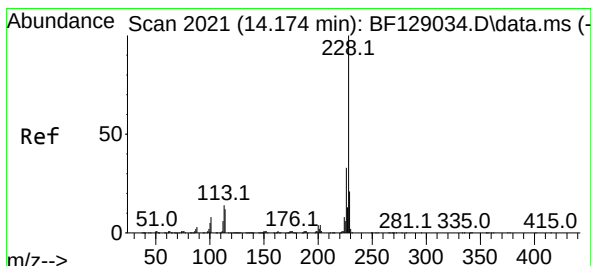
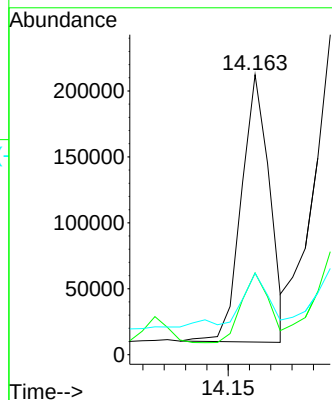
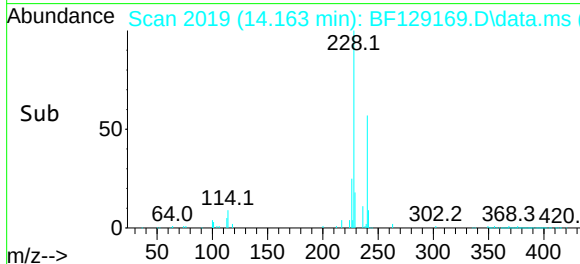
Instrument :  
BNA\_F  
ClientSampleId :  
RB-21199



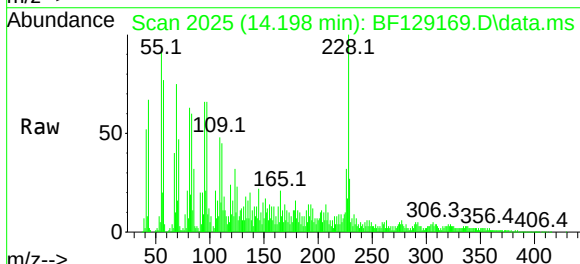
Tgt Ion:228 Resp: 187119  
Ion Ratio Lower Upper  
228 100  
226 29.2 22.1 33.1  
229 29.1 15.8 23.8

Manual Integrations  
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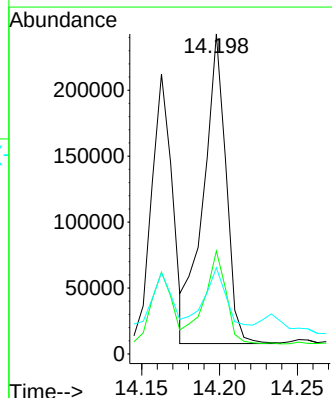
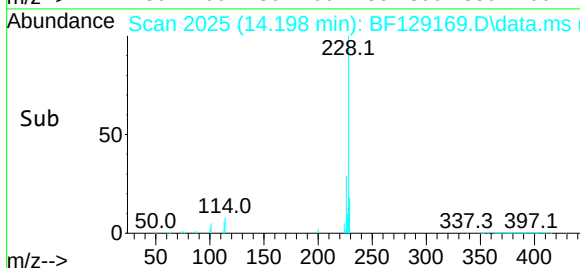
Reviewed By :Christian Giraldo 07/08/2022  
Supervised By :Jagrut Upadhyay 07/08/2022

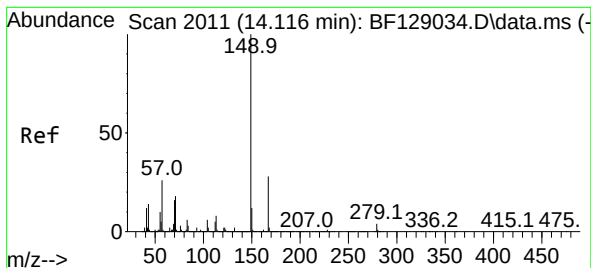


#83  
Chrysene  
Concen: 7.101 ng m  
RT: 14.198 min Scan# 2025  
Delta R.T. 0.024 min  
Lab File: BF129169.D  
Acq: 07 Jul 2022 20:35



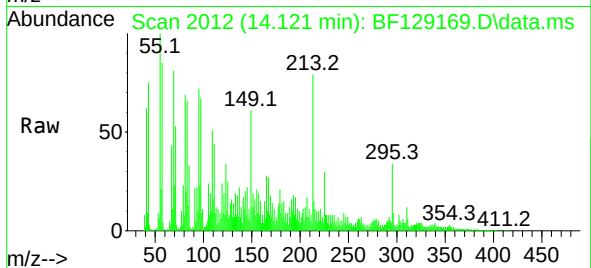
Tgt Ion:228 Resp: 237792  
Ion Ratio Lower Upper  
228 100  
226 32.2 24.3 36.5  
229 26.9 15.9 23.9





#84  
Bis(2-ethylhexyl)phthalate  
Concen: 4.826 ng  
RT: 14.121 min Scan# 2011  
Delta R.T. 0.006 min  
Lab File: BF129169.D  
Acq: 07 Jul 2022 20:35

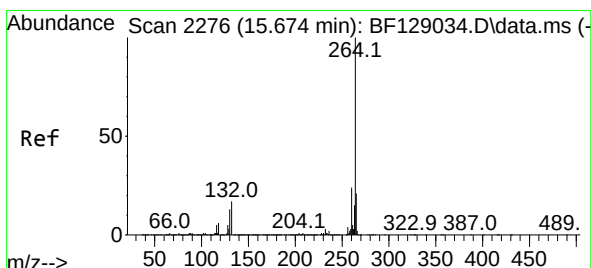
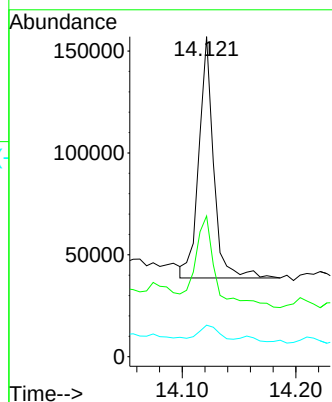
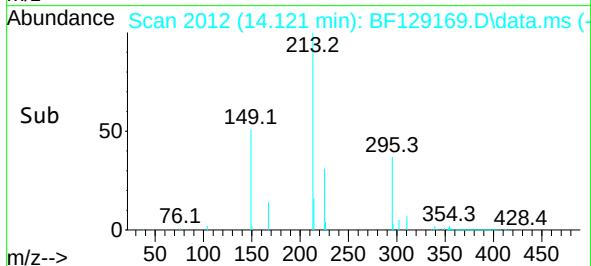
Instrument :  
BNA\_F  
ClientSampleId :  
RB-21199



Tgt Ion:149 Resp: 107009  
Ion Ratio Lower Upper  
149 100  
167 43.9 21.0 31.4  
279 9.9 3.1 4.7

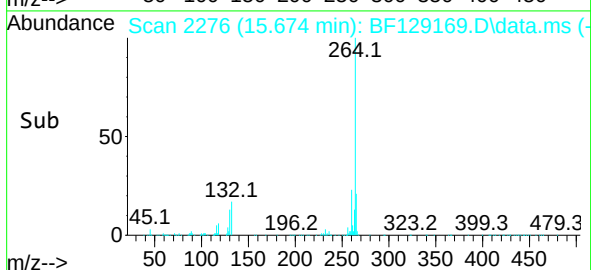
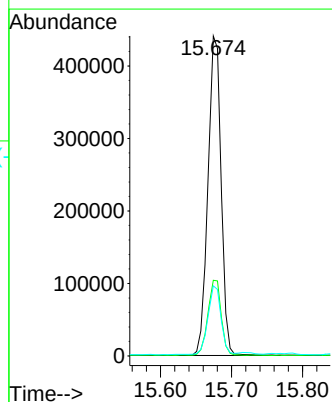
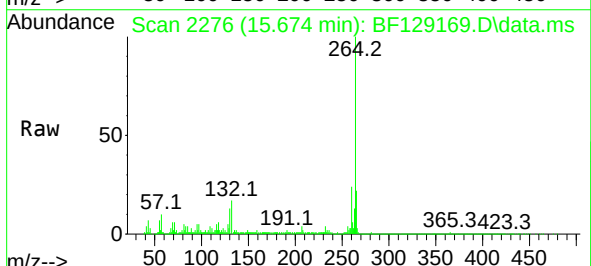
Manual Integrations  
APPROVED

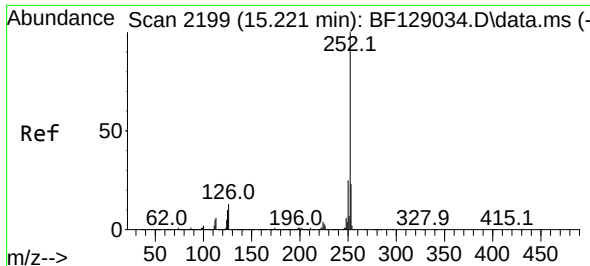
Reviewed By :Christian Giraldo 07/08/2022  
Supervised By :Jagrut Upadhyay 07/08/2022



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.674 min Scan# 2276  
Delta R.T. -0.000 min  
Lab File: BF129169.D  
Acq: 07 Jul 2022 20:35

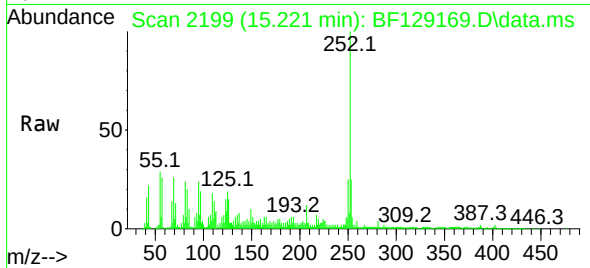
Tgt Ion:264 Resp: 568983  
Ion Ratio Lower Upper  
264 100  
260 23.6 18.4 27.6  
265 21.9 17.2 25.8





#88  
Benzo(b)fluoranthene  
Concen: 8.917 ng m  
RT: 15.221 min Scan# 2199  
Delta R.T. -0.000 min  
Lab File: BF129169.D  
Acq: 07 Jul 2022 20:35

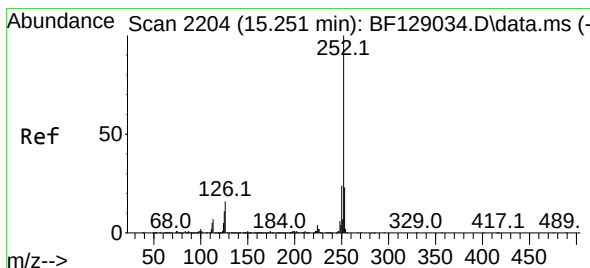
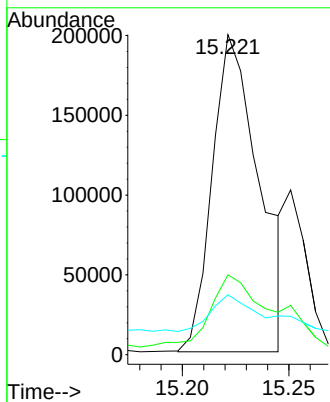
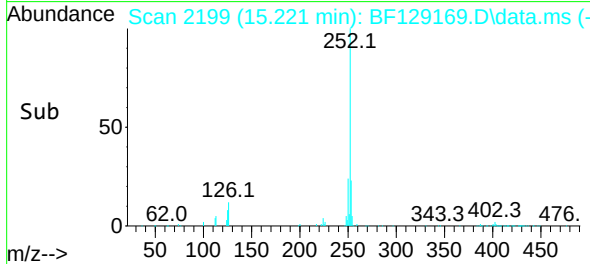
Instrument :  
BNA\_F  
ClientSampleId :  
RB-21199



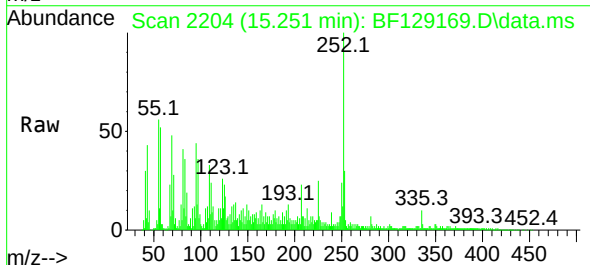
Tgt Ion:252 Resp: 305130  
Ion Ratio Lower Upper  
252 100  
253 25.0 17.7 26.5  
125 18.8 8.0 12.0

Manual Integrations  
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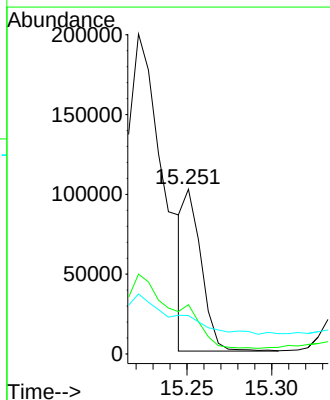
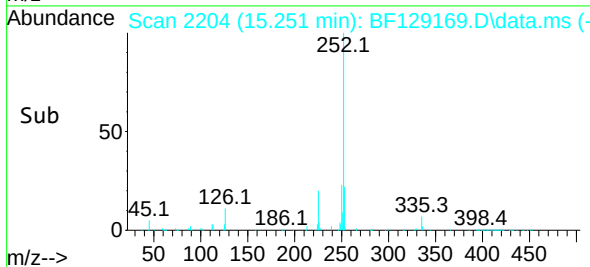
Reviewed By :Christian Giraldo 07/08/2022  
Supervised By :Jagrut Upadhyay 07/08/2022

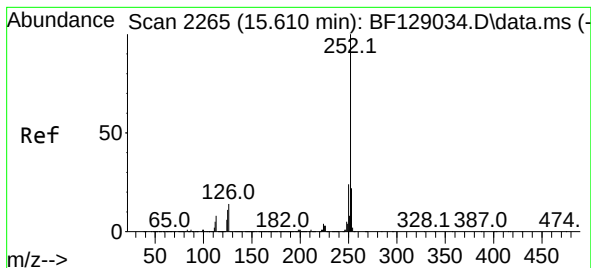


#89  
Benzo(k)fluoranthene  
Concen: 2.189 ng m  
RT: 15.251 min Scan# 2204  
Delta R.T. -0.000 min  
Lab File: BF129169.D  
Acq: 07 Jul 2022 20:35



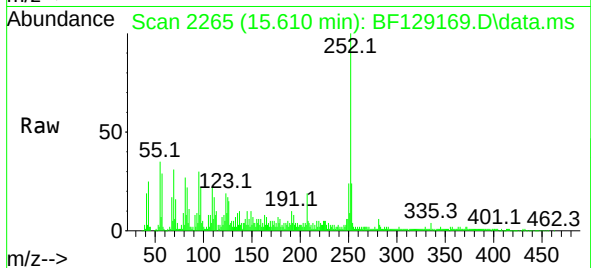
Tgt Ion:252 Resp: 72653  
Ion Ratio Lower Upper  
252 100  
253 29.9 17.8 26.6#  
125 23.3 8.3 12.5#





#90  
Benzo(a)pyrene  
Concen: 3.961 ng  
RT: 15.610 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BF129169.D  
Acq: 07 Jul 2022 20:35

Instrument :  
BNA\_F  
ClientSampleId :  
RB-21199



Tgt Ion:252 Resp: 110480  
Ion Ratio Lower Upper  
252 100  
253 24.3 17.0 25.6  
125 17.1 8.8 13.2

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 07/08/2022  
Supervised By :Jagrut Upadhyay 07/08/2022

