

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080922\  
 Data File : BF129663.D  
 Acq On : 09 Aug 2022 13:05  
 Operator : CG\JU  
 Sample : N3963-08  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RVE-213

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 08/10/2022  
 Supervised By : Jagrut Upadhyay 08/10/2022

Quant Time: Aug 09 15:16:58 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  | 119388   | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.122  | 136  | 486605   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.880  | 164  | 264877   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.368 | 188  | 472125   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12            | 14.015 | 240  | 368628   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12            | 15.498 | 264  | 365821   | 20.000  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.475  | 112  | 772593   | 105.417 | ng    | 0.00     |
| 7) Phenol-d6                | 6.492  | 99   | 948708   | 102.986 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.404  | 82   | 606981   | 68.093  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.674 | 330  | 289881   | 113.831 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.198  | 172  | 1189070  | 69.445  | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.957 | 244  | 1410299  | 72.177  | ng    | -0.01    |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 75) Fluoranthene            | 12.586 | 202  | 64006    | 2.451   | ng    | 99       |
| 78) Pyrene                  | 12.815 | 202  | 86826    | 2.817   | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 15.062 | 252  | 56931m   | 2.346   | ng    |          |
| 90) Benzo(a)pyrene          | 15.433 | 252  | 39882    | 2.025   | ng    | # 91     |
| -----                       |        |      |          |         |       |          |

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

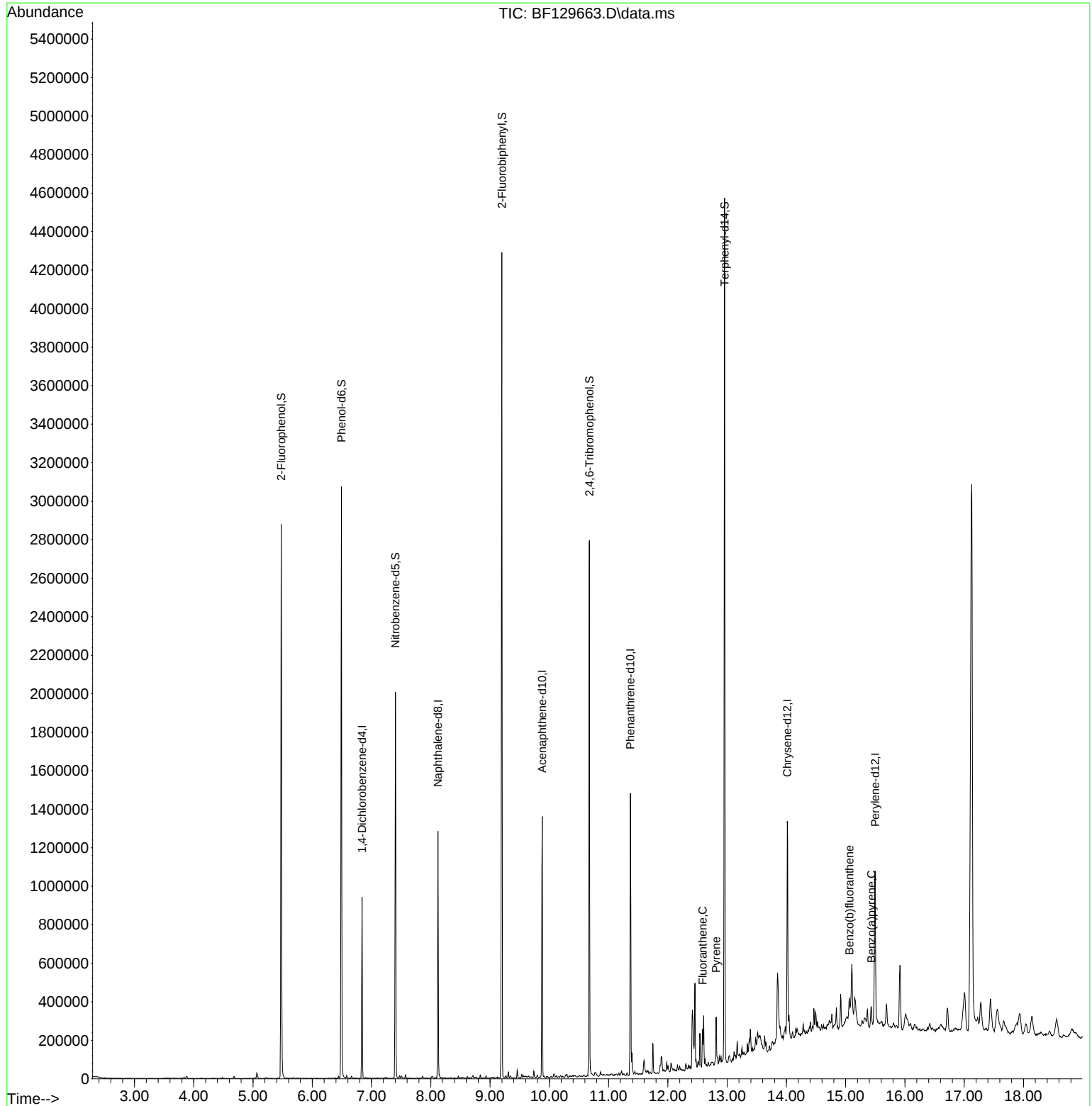
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080922\  
Data File : BF129663.D  
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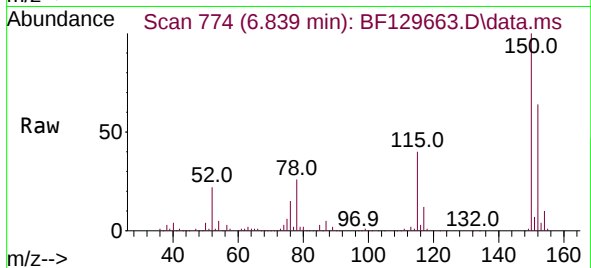
Quant Time: Aug 09 15:16:58 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 05 16:27:34 2022  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.839 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF129663.D  
Acq: 09 Aug 2022 13:05

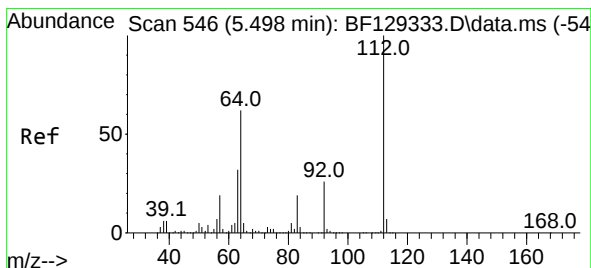
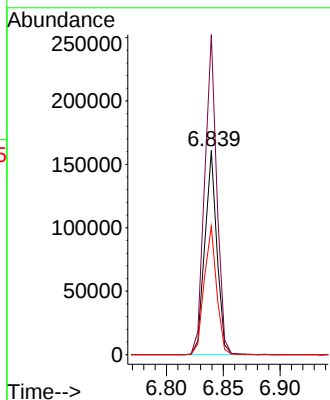
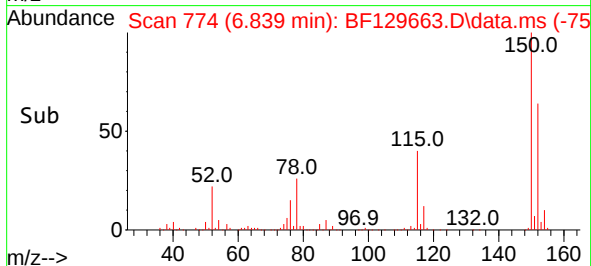
Instrument :  
BNA\_F  
ClientSampleId :  
RVE-213



Tgt Ion:152 Resp: 119388  
Ion Ratio Lower Upper  
152 100  
150 156.8 123.7 185.5  
115 62.9 49.9 74.9

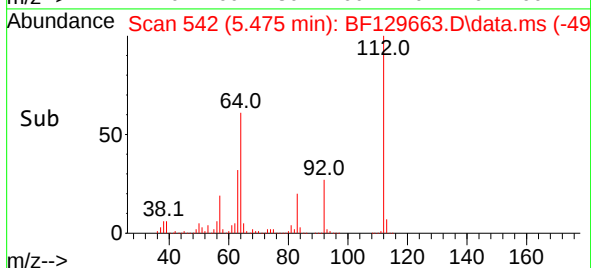
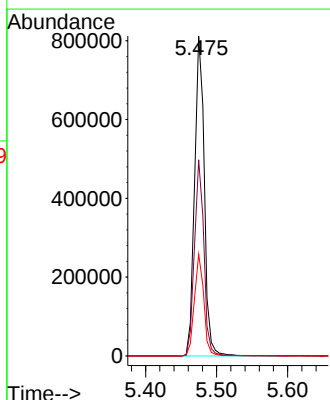
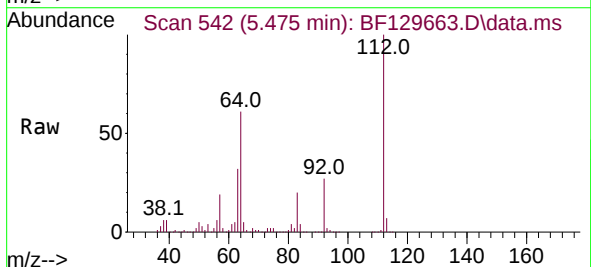
Manual Integrations  
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#5  
2-Fluorophenol  
Concen: 105.417 ng  
RT: 5.475 min Scan# 542  
Delta R.T. -0.006 min  
Lab File: BF129663.D  
Acq: 09 Aug 2022 13:05

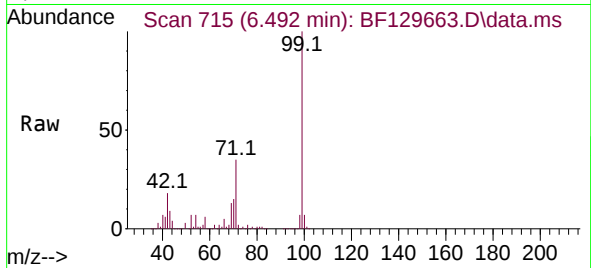
Tgt Ion:112 Resp: 772593  
Ion Ratio Lower Upper  
112 100  
64 61.3 53.3 79.9  
63 31.8 28.0 42.0





#7  
Phenol-d6  
Concen: 102.986 ng  
RT: 6.492 min Scan# 719  
Delta R.T. -0.012 min  
Lab File: BF129663.D  
Acq: 09 Aug 2022 13:05

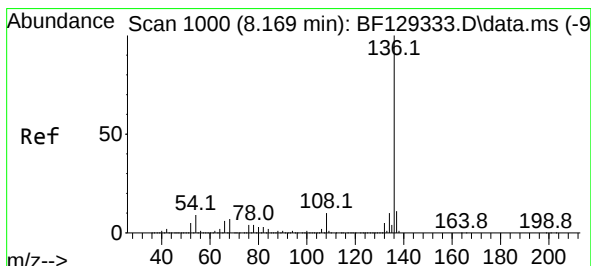
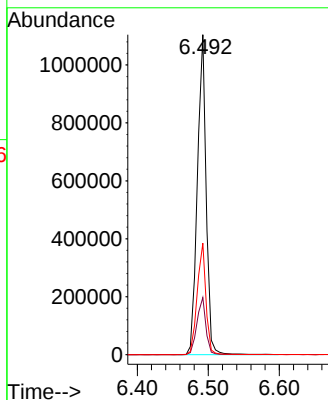
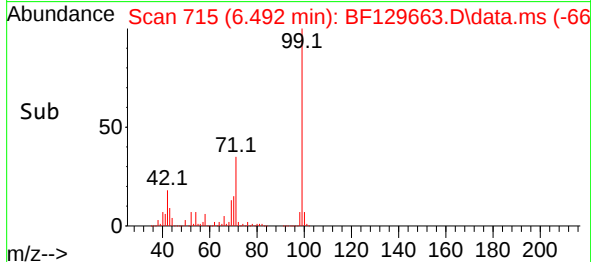
Instrument :  
BNA\_F  
ClientSampleId :  
RVE-213



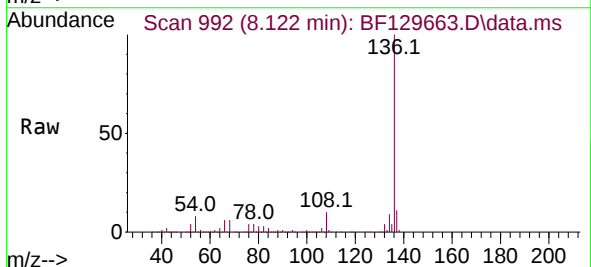
Tgt Ion: 99 Resp: 948708  
Ion Ratio Lower Upper  
99 100  
42 17.8 17.3 25.9  
71 34.8 28.9 43.3

Manual Integrations  
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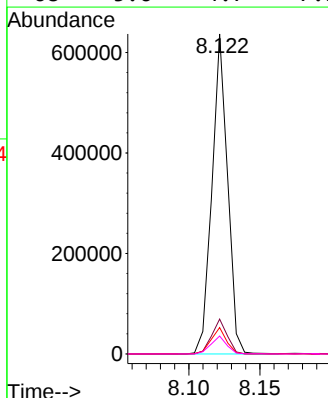
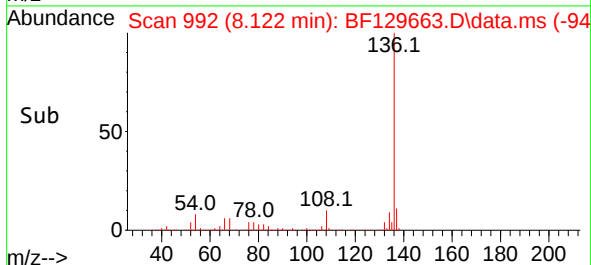
Reviewed By :Christian Giraldo 08/10/2022  
Supervised By :Jagrut Upadhyay 08/10/2022



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.122 min Scan# 992  
Delta R.T. -0.012 min  
Lab File: BF129663.D  
Acq: 09 Aug 2022 13:05



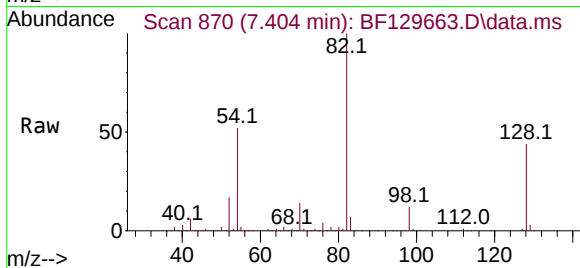
Tgt Ion:136 Resp: 486605  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.8 13.2  
54 8.2 7.5 11.3  
68 5.6 4.7 7.1





#23  
Nitrobenzene-d5  
Concen: 68.093 ng  
RT: 7.404 min Scan# 81  
Delta R.T. -0.018 min  
Lab File: BF129663.D  
Acq: 09 Aug 2022 13:05

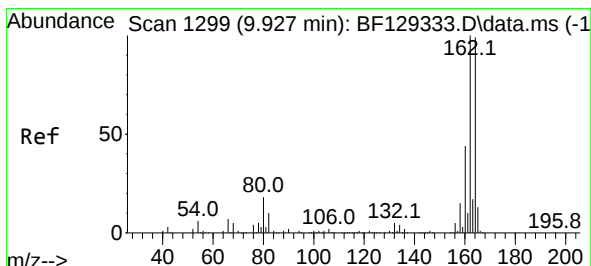
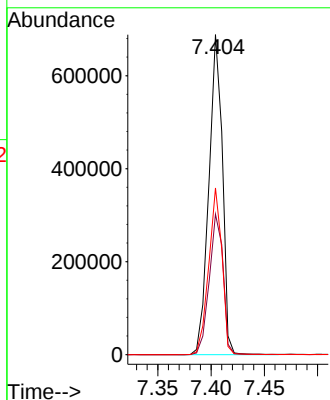
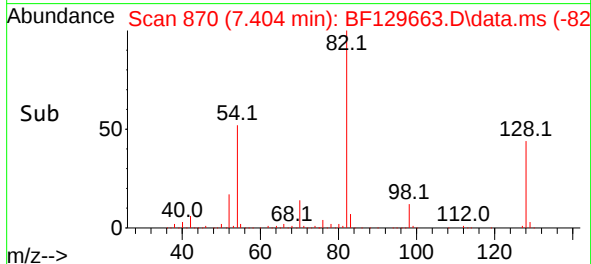
Instrument :  
BNA\_F  
ClientSampleId :  
RVE-213



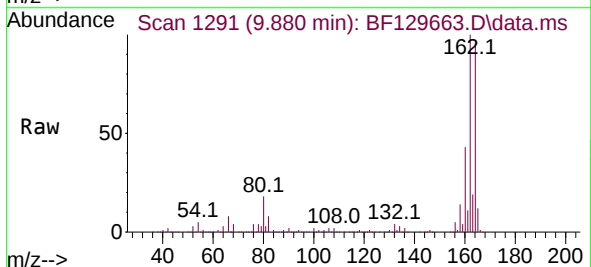
Tgt Ion: 82 Resp: 606981  
Ion Ratio Lower Upper  
82 100  
128 43.9 34.0 51.0  
54 52.1 46.9 70.3

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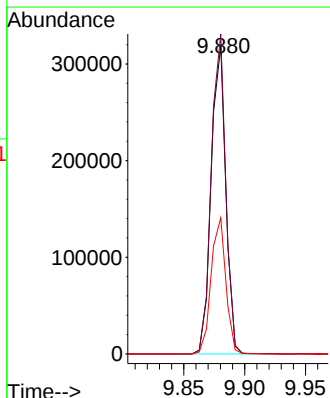
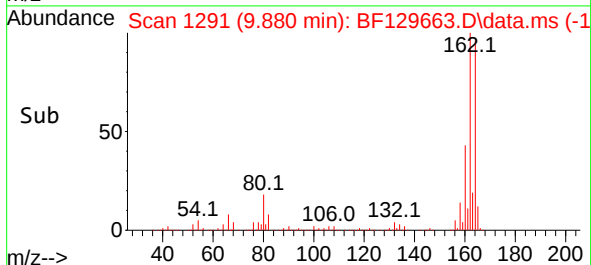
Reviewed By :Christian Giraldo 08/10/2022  
Supervised By :Jagrut Upadhyay 08/10/2022



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.880 min Scan# 1291  
Delta R.T. -0.012 min  
Lab File: BF129663.D  
Acq: 09 Aug 2022 13:05



Tgt Ion:164 Resp: 264877  
Ion Ratio Lower Upper  
164 100  
162 103.9 79.5 119.3  
160 44.2 34.2 51.4





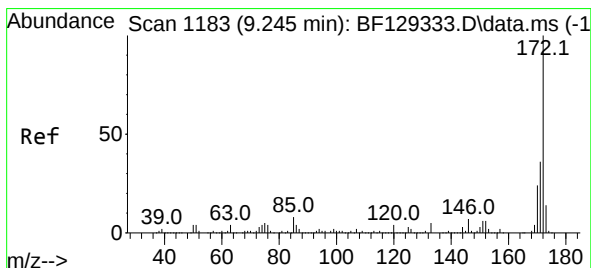
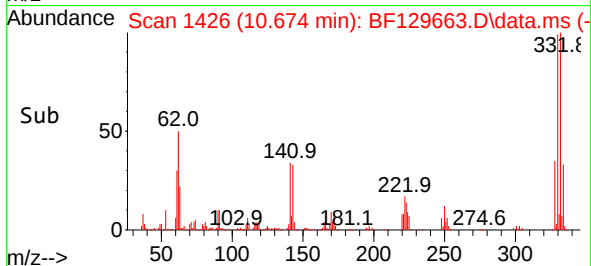
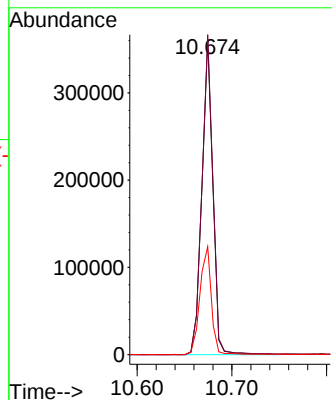
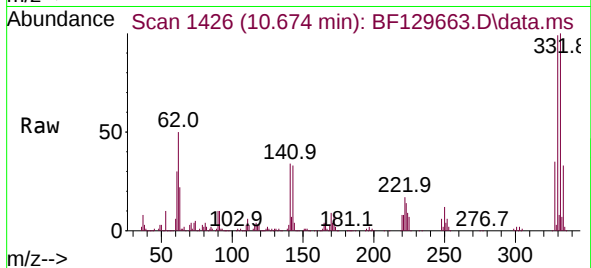
#42  
2,4,6-Tribromophenol  
Concen: 113.831 ng  
RT: 10.674 min Scan# 1434  
Delta R.T. -0.012 min  
Lab File: BF129663.D  
Acq: 09 Aug 2022 13:05

Instrument :  
BNA\_F  
ClientSampleId :  
RVE-213

Tgt Ion: 330 Resp: 289881  
Ion Ratio Lower Upper  
330 100  
332 102.1 76.8 115.2  
141 35.9 28.0 42.0

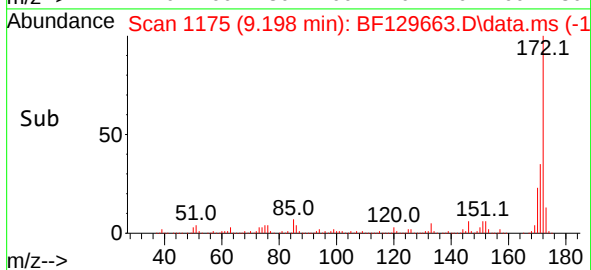
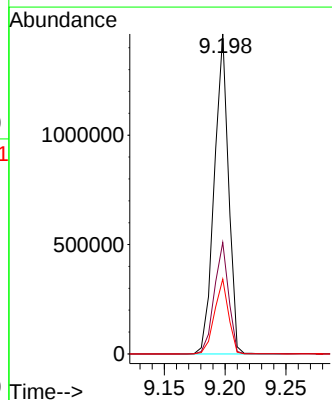
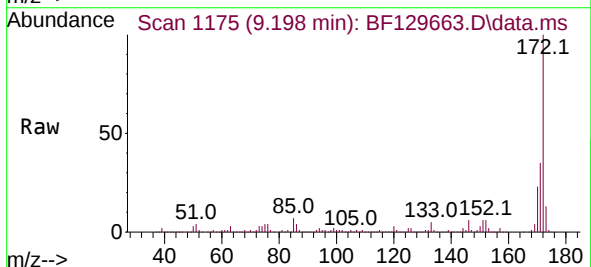
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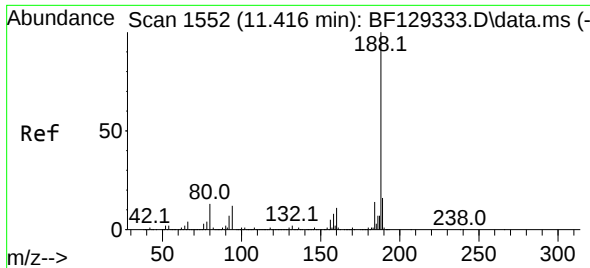
Reviewed By : Christian Giraldo 08/10/2022  
Supervised By : Jagrut Upadhyay 08/10/2022



#45  
2-Fluorobiphenyl  
Concen: 69.445 ng  
RT: 9.198 min Scan# 1175  
Delta R.T. -0.012 min  
Lab File: BF129663.D  
Acq: 09 Aug 2022 13:05

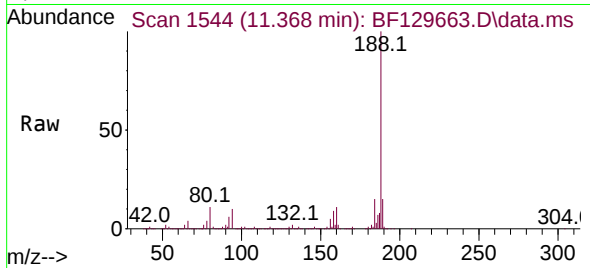
Tgt Ion: 172 Resp: 1189070  
Ion Ratio Lower Upper  
172 100  
171 34.8 28.8 43.2  
170 23.4 19.8 29.8





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.368 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF129663.D  
Acq: 09 Aug 2022 13:05

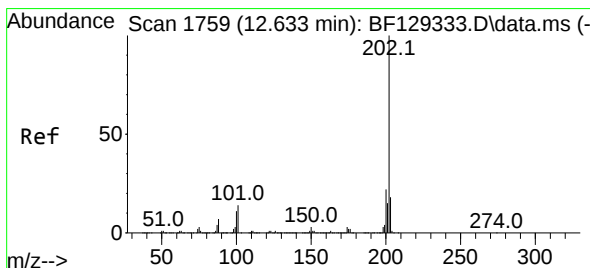
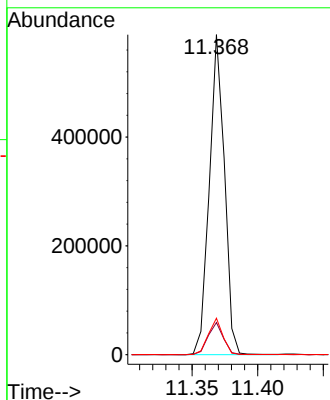
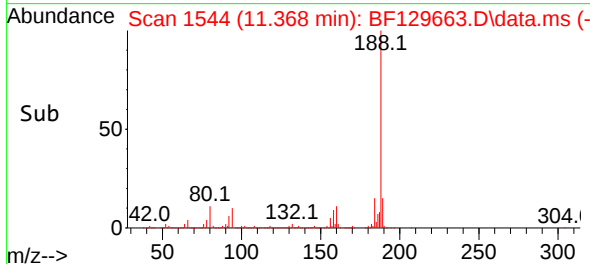
Instrument :  
BNA\_F  
ClientSampleId :  
RVE-213



Tgt Ion:188 Resp: 472125  
Ion Ratio Lower Upper  
188 100  
94 10.0 7.0 10.6  
80 11.4 7.6 11.4

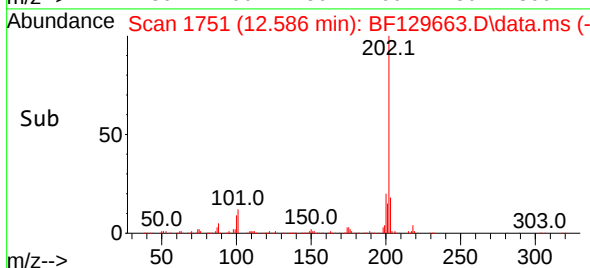
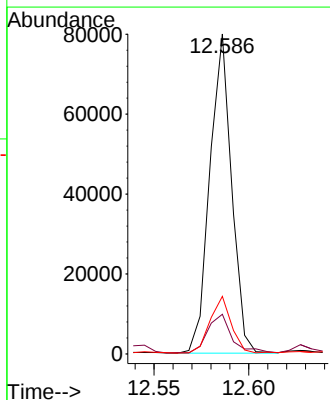
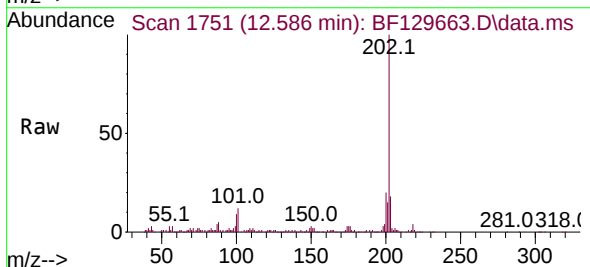
Manual Integrations  
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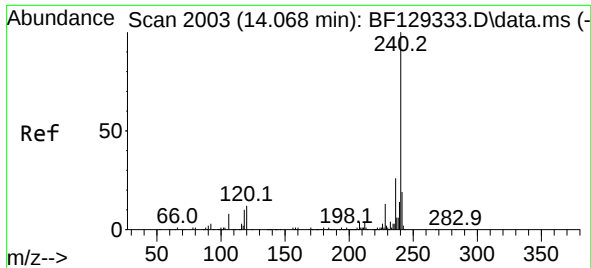
Reviewed By :Christian Giraldo 08/10/2022  
Supervised By :Jagrut Upadhyay 08/10/2022



#75  
Fluoranthene  
Concen: 2.451 ng  
RT: 12.586 min Scan# 1751  
Delta R.T. -0.012 min  
Lab File: BF129663.D  
Acq: 09 Aug 2022 13:05

Tgt Ion:202 Resp: 64006  
Ion Ratio Lower Upper  
202 100  
101 12.4 0.0 31.4  
203 18.0 0.0 38.0





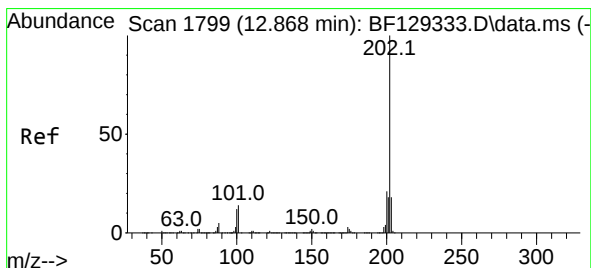
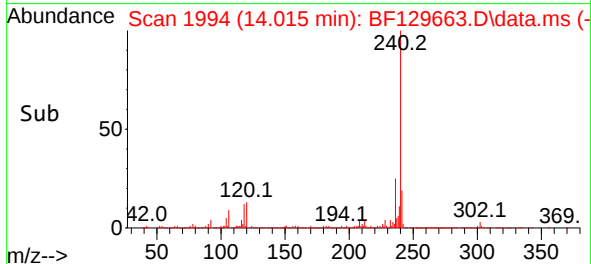
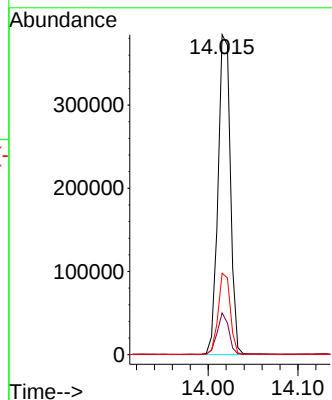
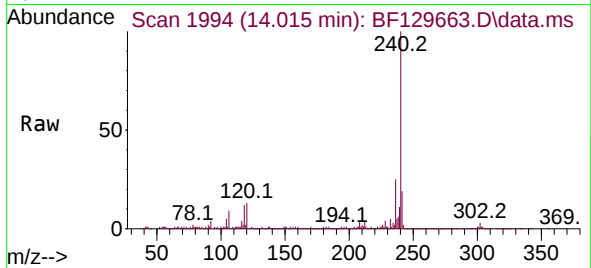
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.015 min Scan# 1994  
Delta R.T. -0.012 min  
Lab File: BF129663.D  
Acq: 09 Aug 2022 13:05

Instrument :  
BNA\_F  
ClientSampleId :  
RVE-213

Tgt Ion:240 Resp: 368628  
Ion Ratio Lower Upper  
240 100  
120 13.0 8.9 13.3  
236 25.4 20.8 31.2

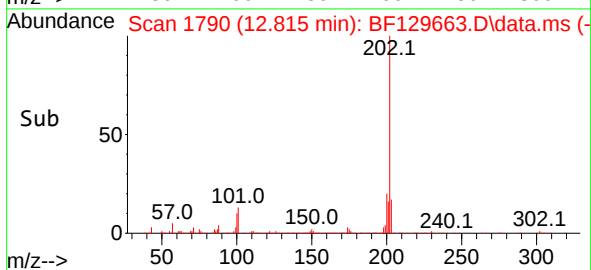
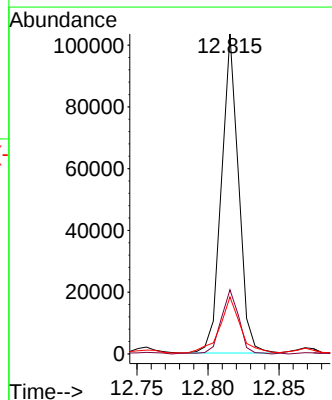
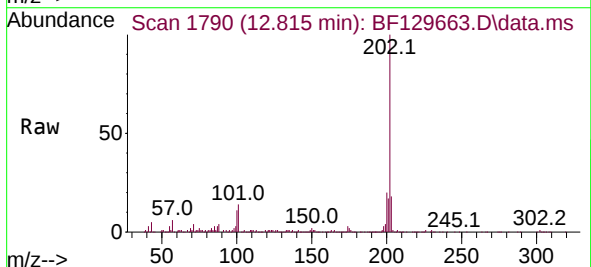
Manual Integrations  
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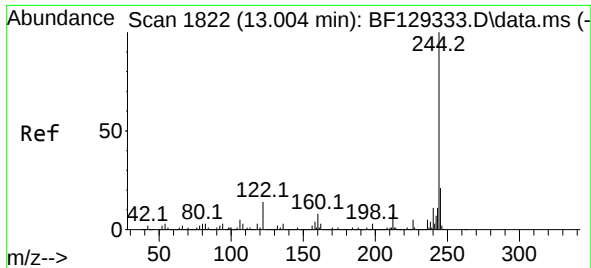
Reviewed By :Christian Giraldo 08/10/2022  
Supervised By :Jagrut Upadhyay 08/10/2022



#78  
Pyrene  
Concen: 2.817 ng  
RT: 12.815 min Scan# 1790  
Delta R.T. -0.012 min  
Lab File: BF129663.D  
Acq: 09 Aug 2022 13:05

Tgt Ion:202 Resp: 86826  
Ion Ratio Lower Upper  
202 100  
200 20.0 17.7 26.5  
203 17.8 14.6 21.8





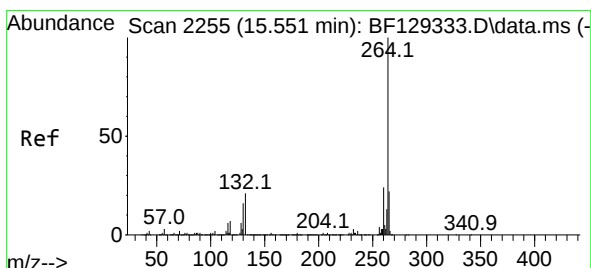
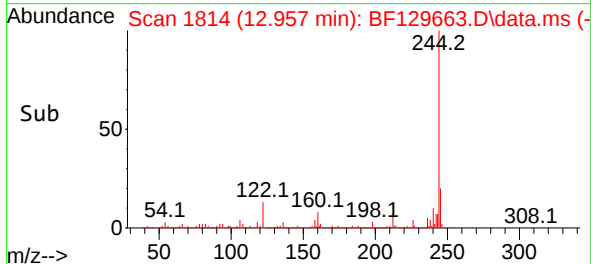
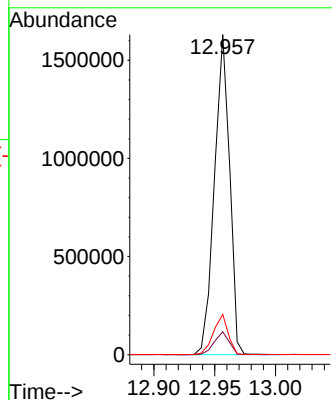
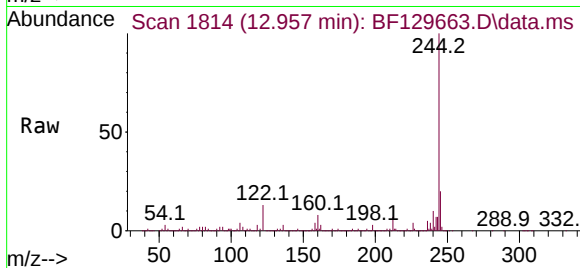
#79  
Terphenyl-d14  
Concen: 72.177 ng  
RT: 12.957 min Scan# 1822  
Delta R.T. -0.012 min  
Lab File: BF129663.D  
Acq: 09 Aug 2022 13:05

Instrument :  
BNA\_F  
ClientSampleId :  
RVE-213

Tgt Ion:244 Resp: 1410299  
Ion Ratio Lower Upper  
244 100  
212 7.2 6.1 9.1  
122 12.5 8.8 13.2

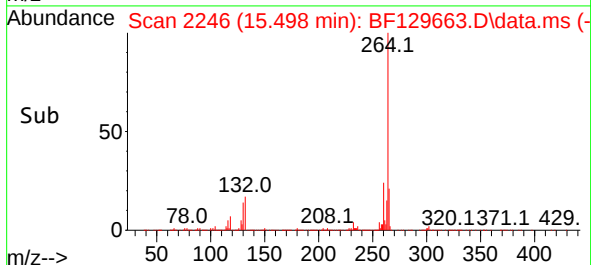
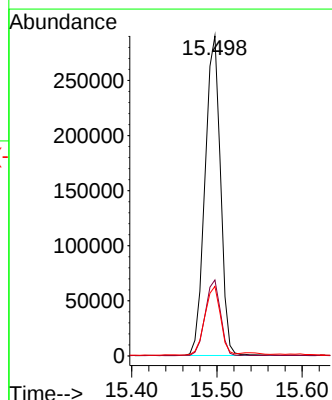
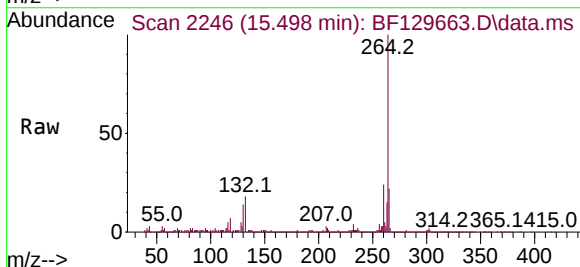
Manual Integrations  
APPROVED

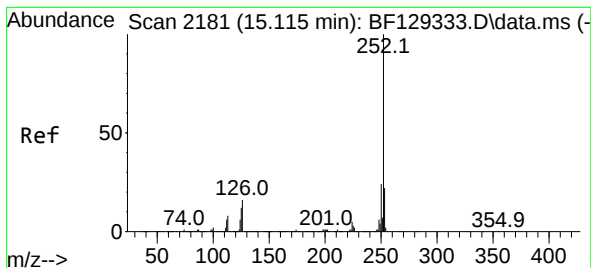
Reviewed By :Christian Giraldo 08/10/2022  
Supervised By :Jagrut Upadhyay 08/10/2022



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.498 min Scan# 2246  
Delta R.T. -0.006 min  
Lab File: BF129663.D  
Acq: 09 Aug 2022 13:05

Tgt Ion:264 Resp: 365821  
Ion Ratio Lower Upper  
264 100  
260 23.7 18.4 27.6  
265 21.7 17.2 25.8





#88

Benzo(b)fluoranthene

Concen: 2.346 ng m

RT: 15.062 min Scan# 2181

Delta R.T. -0.006 min

Lab File: BF129663.D

Acq: 09 Aug 2022 13:05

Instrument :

BNA\_F

ClientSampleId :

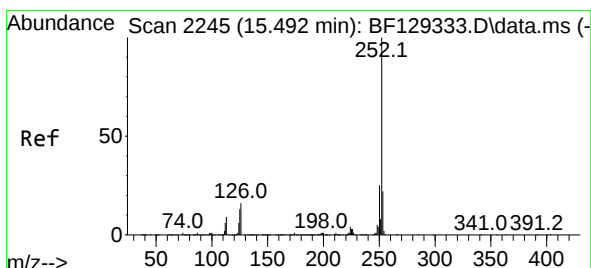
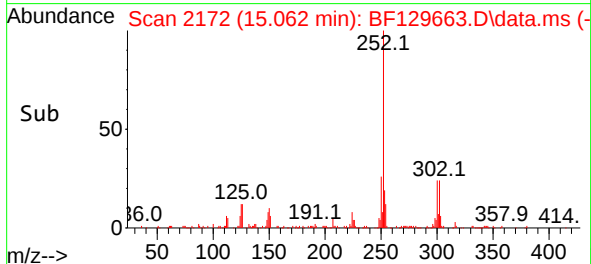
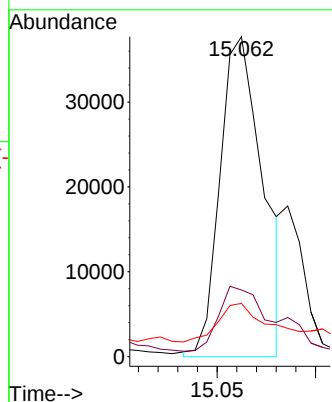
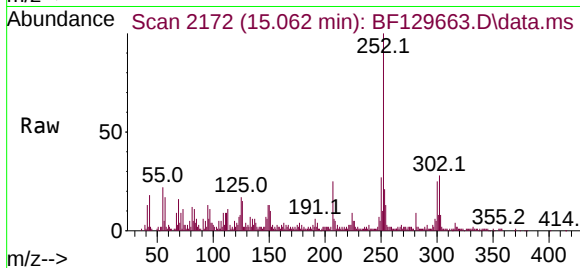
RVE-213

Tgt Ion:252 Resp: 56931  
 Ion Ratio Lower Upper  
 252 100  
 253 20.8 17.7 26.5  
 125 16.6 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/10/2022  
 Supervised By :Jagrut Upadhyay 08/10/2022



#90

Benzo(a)pyrene

Concen: 2.025 ng

RT: 15.433 min Scan# 2235

Delta R.T. -0.006 min

Lab File: BF129663.D

Acq: 09 Aug 2022 13:05

Tgt Ion:252 Resp: 39882  
 Ion Ratio Lower Upper  
 252 100  
 253 24.2 17.0 25.6  
 125 16.1 8.8 13.2

