

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062322\  
 Data File : BF128962.D  
 Acq On : 23 Jun 2022 20:08  
 Operator : CG\JU  
 Sample : N3469-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 XRDS-SCREENED-CLEAN-FILL-SP-1-COMP

Quant Time: Jun 24 04:33:51 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 24 00:50:48 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 06/24/2022  
 Supervised By :Jagrut Upadhyay 06/28/2022

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.722  | 152  | 109897   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.010  | 136  | 417217   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.763  | 164  | 231182   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.251 | 188  | 415112   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12            | 13.892 | 240  | 255356   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12            | 15.327 | 264  | 226206   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.357  | 112  | 637772   | 92.438 | ng    | 0.00     |
| 7) Phenol-d6                | 6.381  | 99   | 787572   | 93.514 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.292  | 82   | 560380   | 62.535 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.557 | 330  | 221790   | 81.196 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.086  | 172  | 1049823  | 63.612 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.839 | 244  | 1026646  | 69.861 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 11.269 | 178  | 57133    | 2.744  | ng    | 99       |
| 75) Fluoranthene            | 12.463 | 202  | 84119    | 3.865  | ng    | 96       |
| 78) Pyrene                  | 12.692 | 202  | 87146    | 4.587  | ng    | 95       |
| 81) Benzo(a)anthracene      | 13.880 | 228  | 37850    | 2.378  | ng    | 99       |
| 83) Chrysene                | 13.916 | 228  | 31207    | 2.056  | ng    | 98       |
| 88) Benzo(b)fluoranthene    | 14.915 | 252  | 38764m   | 2.682  | ng    |          |
| 90) Benzo(a)pyrene          | 15.268 | 252  | 27965    | 2.462  | ng    | 100      |
| -----                       |        |      |          |        |       |          |

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

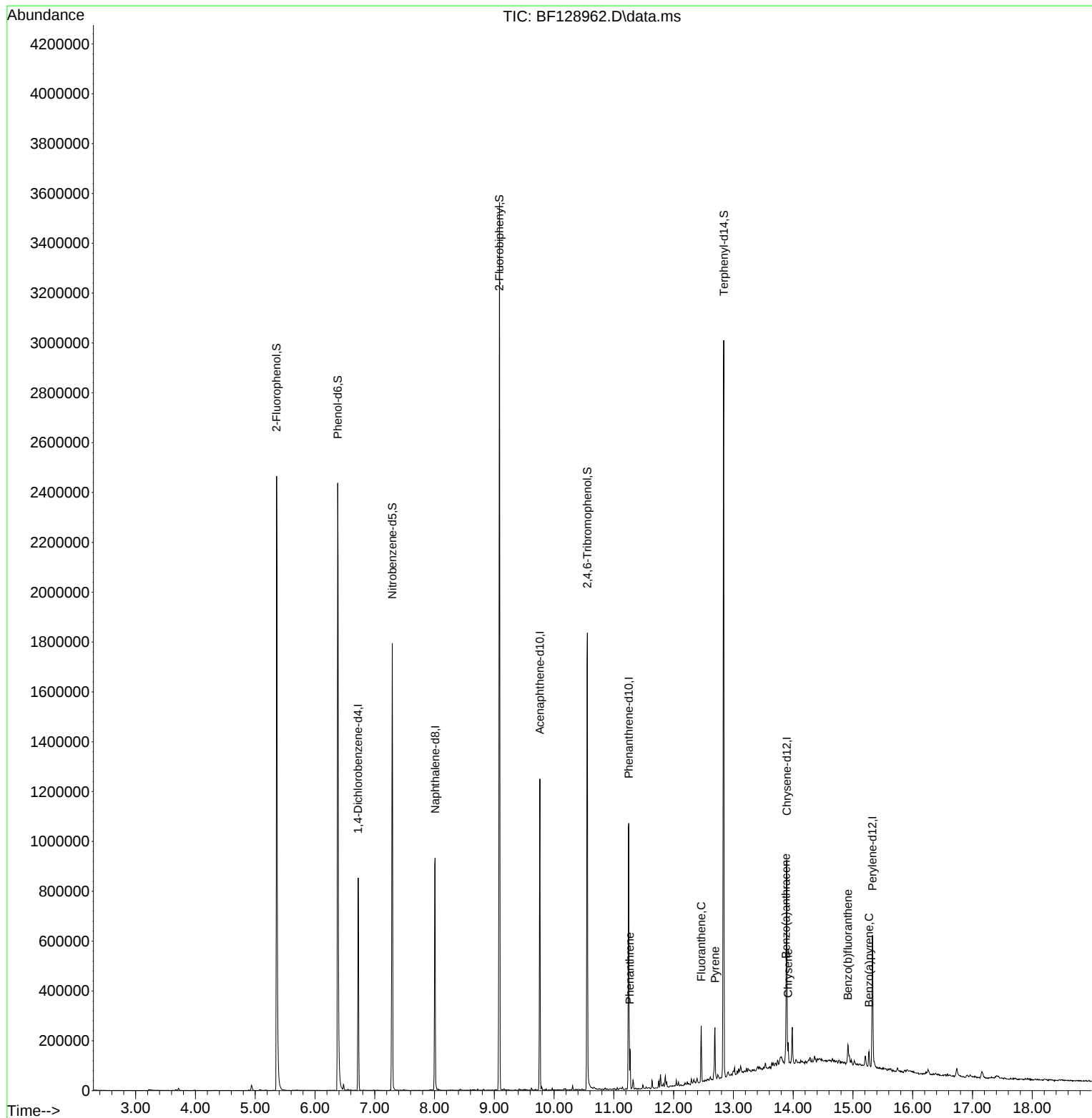
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062322\  
Data File : BF128962.D  
Acq On : 23 Jun 2022 20:08  
Operator : CG\JU  
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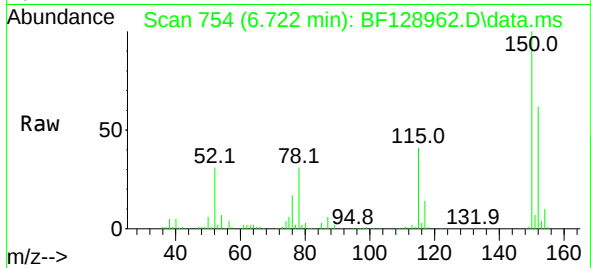
Quant Time: Jun 24 04:33:51 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 24 00:50:48 2022  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.722 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF128962.D  
Acq: 23 Jun 2022 20:08

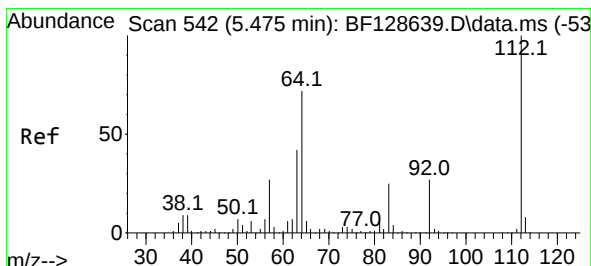
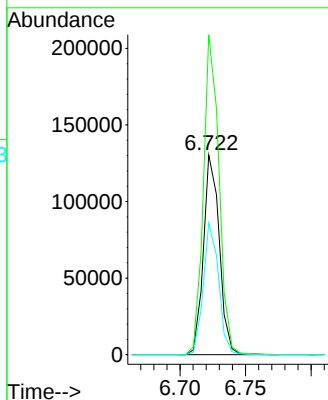
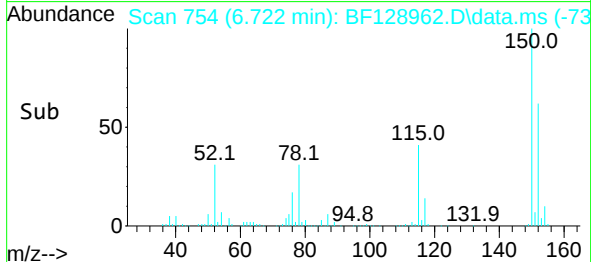
Instrument :  
BNA\_F  
ClientSampleId :  
XRDS-SCREENED-CLEAN-FILL-SP-1-COMP



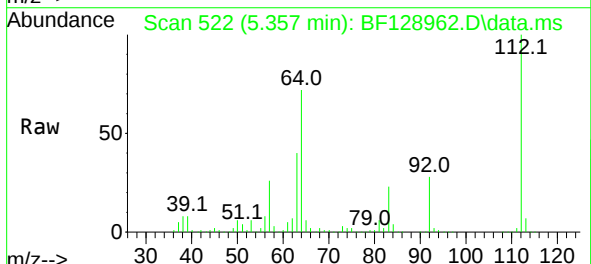
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Ion Ratio Lower Upper  
152 100  
150 160.3 123.7 185.5  
115 65.9 49.9 74.9

Manual Integrations  
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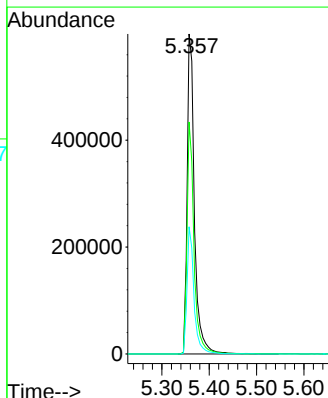
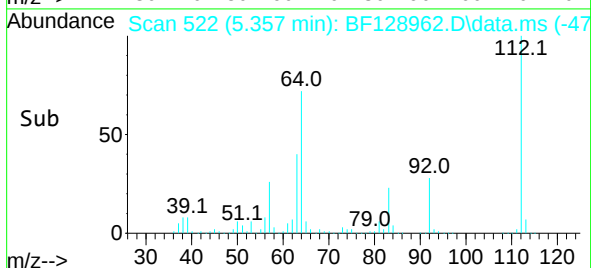
Reviewed By :Christian Giraldo 06/24/2022  
Supervised By :Jagrut Upadhyay 06/28/2022



#5  
2-Fluorophenol  
Concen: 92.438 ng  
RT: 5.357 min Scan# 522  
Delta R.T. -0.000 min  
Lab File: BF128962.D  
Acq: 23 Jun 2022 20:08



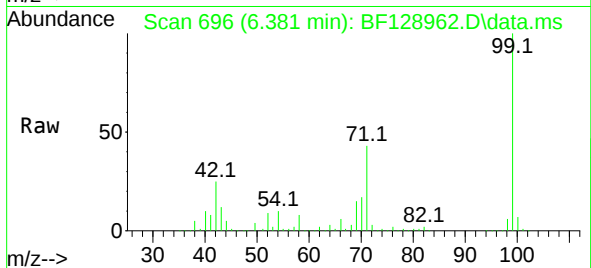
Tgt Ion:112 Resp: 637772  
Ion Ratio Lower Upper  
112 100  
64 72.5 53.3 79.9  
63 39.7 28.0 42.0





#7  
Phenol-d6  
Concen: 93.514 ng  
RT: 6.381 min Scan# 64  
Delta R.T. -0.006 min  
Lab File: BF128962.D  
Acq: 23 Jun 2022 20:08

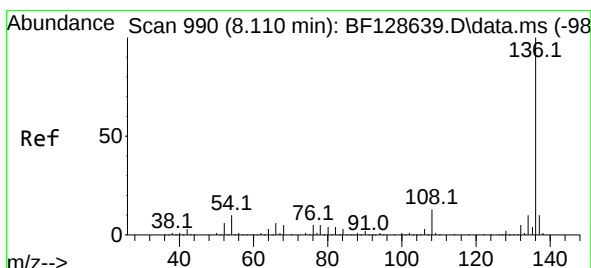
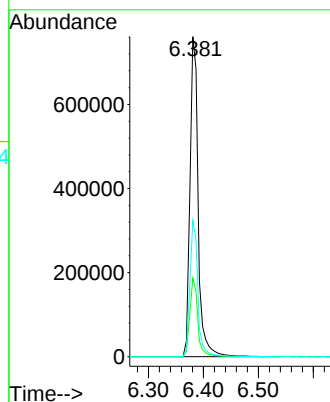
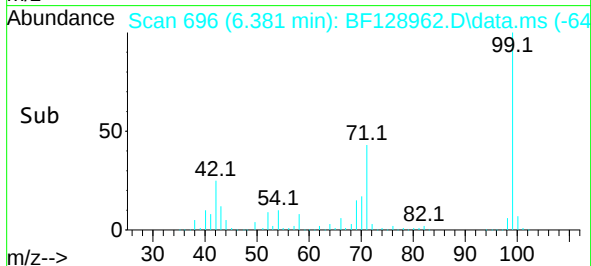
Instrument :  
BNA\_F  
ClientSampleId :  
XRDS-SCREENED-CLEAN-FILL-SP-1-COMP



Tgt Ion: 99 Resp: 787572  
Ion Ratio Lower Upper  
99 100  
42 24.6 17.3 25.9  
71 42.6 28.9 43.3

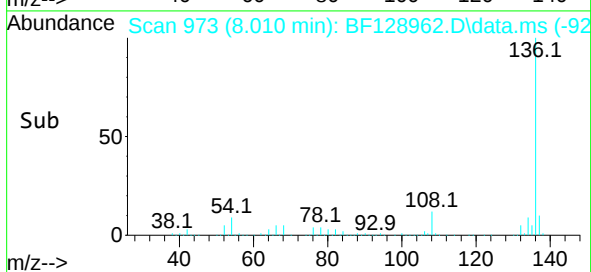
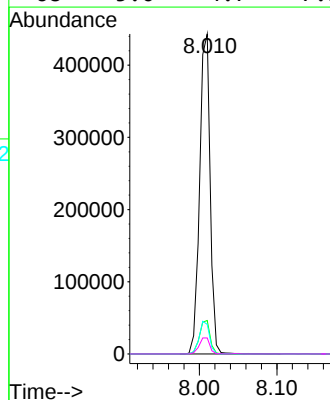
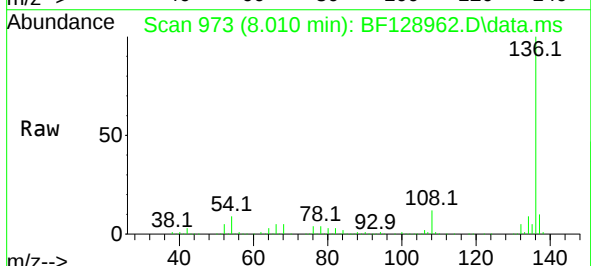
Manual Integrations  
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#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.010 min Scan# 973  
Delta R.T. -0.000 min  
Lab File: BF128962.D  
Acq: 23 Jun 2022 20:08

Tgt Ion:136 Resp: 417217  
Ion Ratio Lower Upper  
136 100  
137 10.4 8.8 13.2  
54 9.2 7.5 11.3  
68 5.0 4.7 7.1





#23

Nitrobenzene-d5

Concen: 62.535 ng

RT: 7.292 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF128962.D

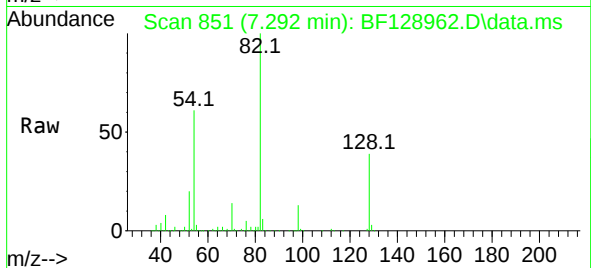
Acq: 23 Jun 2022 20:08

Instrument :

BNA\_F

ClientSampleId :

XRDS-SCREENED-CLEAN-FILL-SP-1-COMP



Tgt Ion: 82 Resp: 560380

Ion Ratio Lower Upper

82 100

128 39.3 34.0 51.0

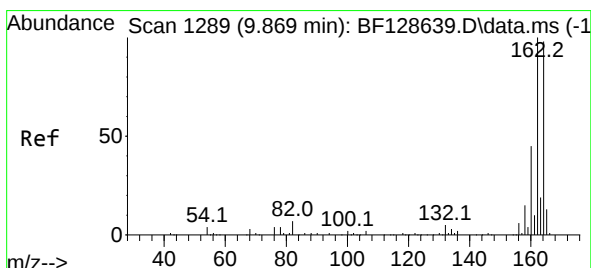
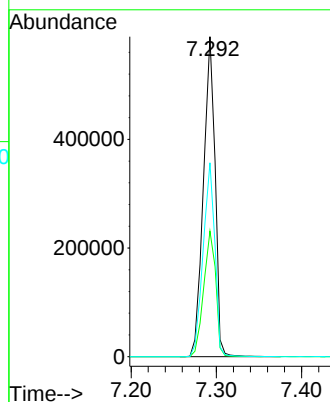
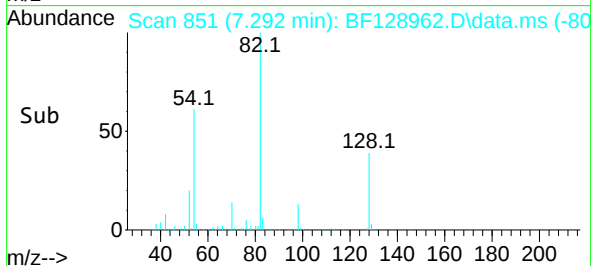
54 60.6 46.9 70.3

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.763 min Scan# 1271

Delta R.T. -0.006 min

Lab File: BF128962.D

Acq: 23 Jun 2022 20:08

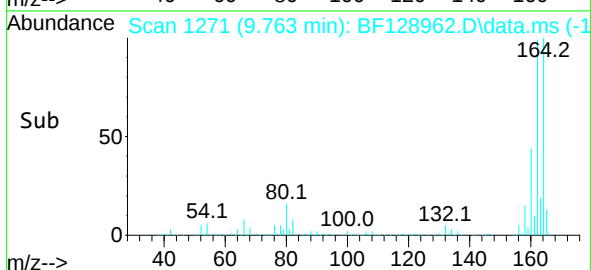
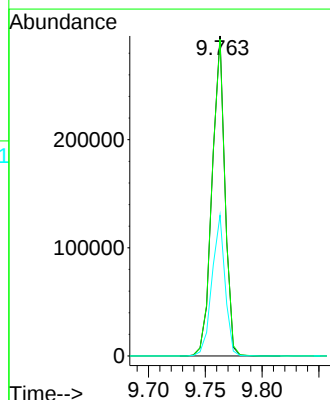
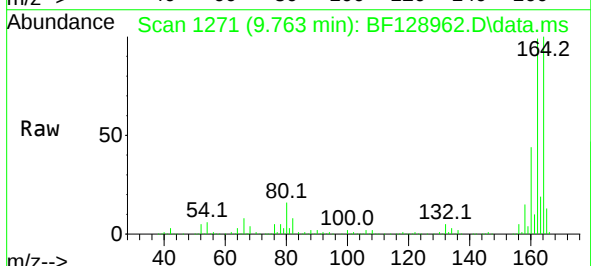
Tgt Ion:164 Resp: 231182

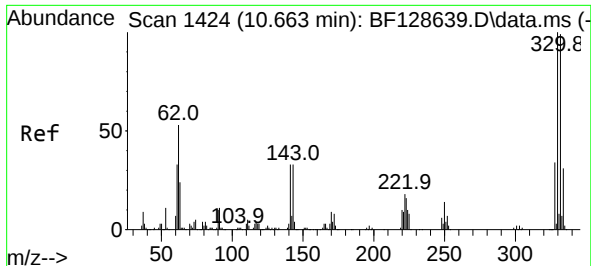
Ion Ratio Lower Upper

164 100

162 99.0 79.5 119.3

160 44.0 34.2 51.4





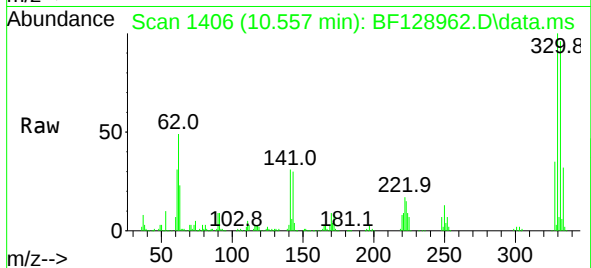
#42  
2,4,6-Tribromophenol  
Concen: 81.196 ng  
RT: 10.557 min Scan# 1424  
Delta R.T. -0.006 min  
Lab File: BF128962.D  
Acq: 23 Jun 2022 20:08

Instrument :

BNA\_F

ClientSampleId :

XRDS-SCREENED-CLEAN-FILL-SP-1-COMP

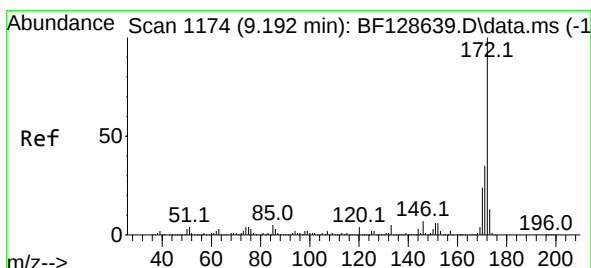
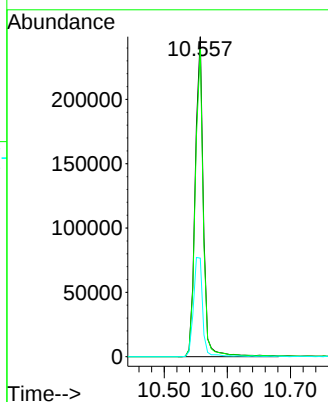
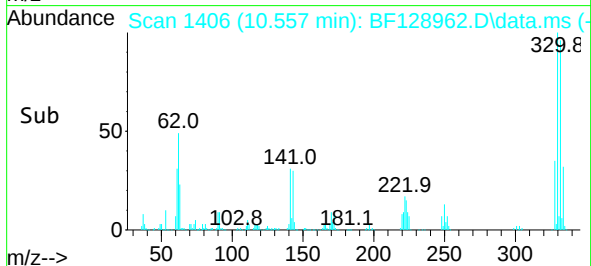


Tgt Ion:330 Resp: 221790  
Ion Ratio Lower Upper  
330 100  
332 94.7 76.8 115.2  
141 34.9 28.0 42.0

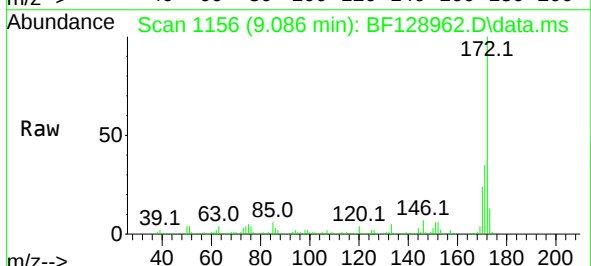
Manual Integrations

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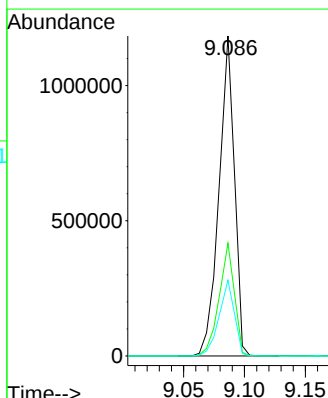
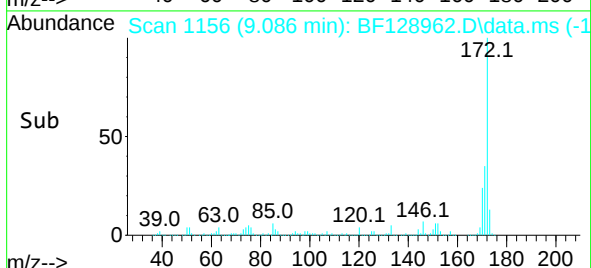
Reviewed By :Christian Giraldo 06/24/2022  
Supervised By :Jagrut Upadhyay 06/28/2022

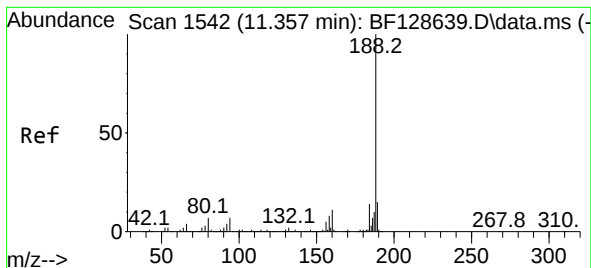


#45  
2-Fluorobiphenyl  
Concen: 63.612 ng  
RT: 9.086 min Scan# 1156  
Delta R.T. -0.006 min  
Lab File: BF128962.D  
Acq: 23 Jun 2022 20:08



Tgt Ion:172 Resp: 1049823  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.8 43.2  
170 23.7 19.8 29.8





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.251 min Scan# 11251  
Delta R.T. -0.000 min  
Lab File: BF128962.D  
Acq: 23 Jun 2022 20:08

Instrument :

BNA\_F

ClientSampleId :

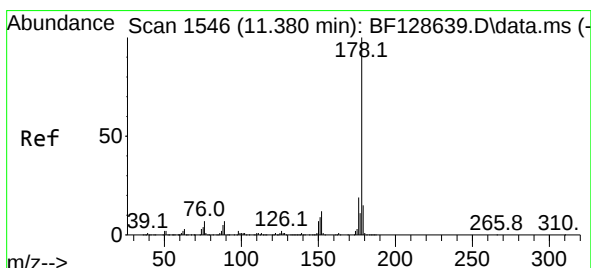
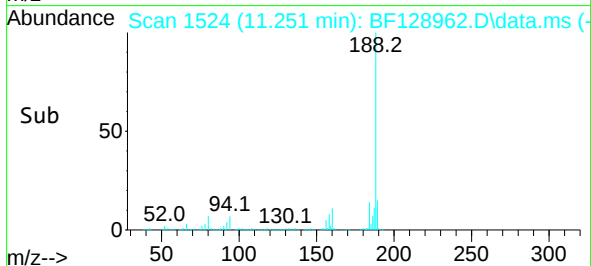
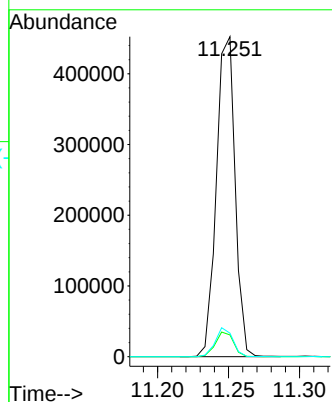
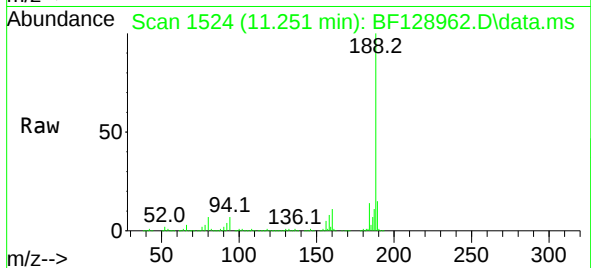
XRDS-SCREENED-CLEAN-FILL-SP-1-COMP

Tgt Ion:188 Resp: 415112  
Ion Ratio Lower Upper  
188 100  
94 6.8 7.0 10.6  
80 7.4 7.6 11.4

Manual Integrations

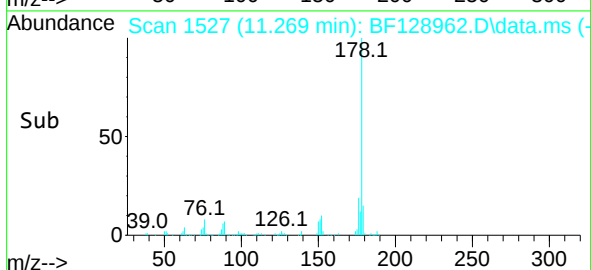
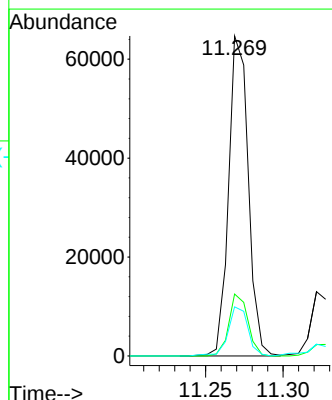
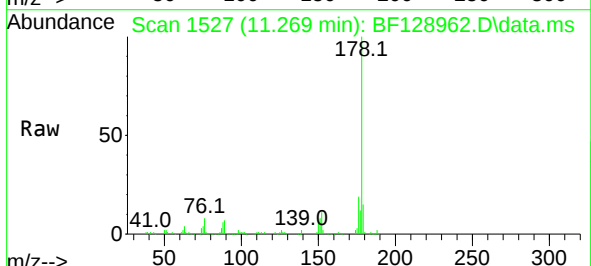
APPROVED

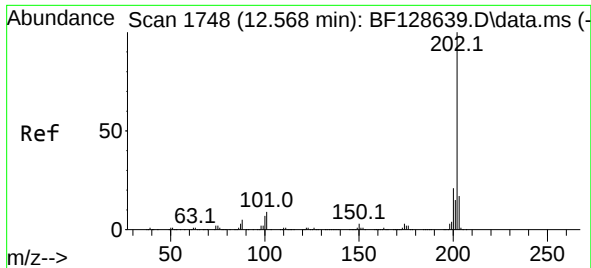
Reviewed By :Christian Giraldo 06/24/2022  
Supervised By :Jagrut Upadhyay 06/28/2022



#71  
Phenanthrene  
Concen: 2.744 ng  
RT: 11.269 min Scan# 1527  
Delta R.T. -0.012 min  
Lab File: BF128962.D  
Acq: 23 Jun 2022 20:08

Tgt Ion:178 Resp: 57133  
Ion Ratio Lower Upper  
178 100  
176 19.4 16.0 24.0  
179 15.4 12.6 19.0





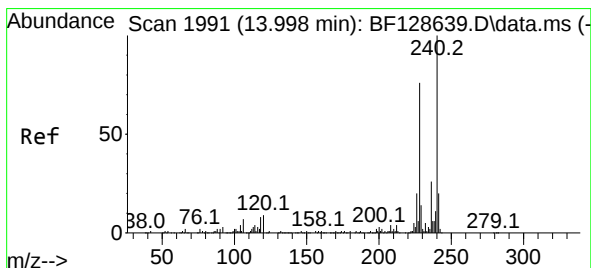
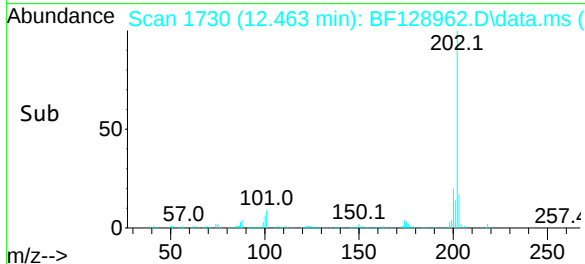
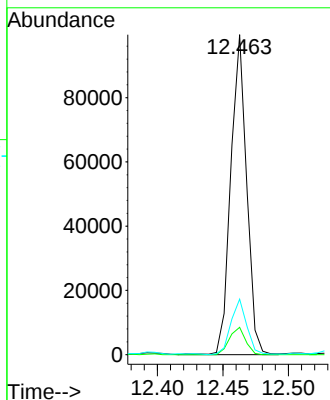
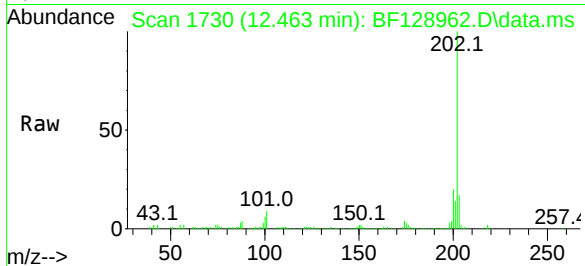
#75  
Fluoranthene  
Concen: 3.865 ng  
RT: 12.463 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: BF128962.D  
Acq: 23 Jun 2022 20:08

Instrument : BNA\_F  
ClientSampleId :  
XRDS-SCREENED-CLEAN-FILL-SP-1-COMP

Tgt Ion:202 Resp: 84119  
Ion Ratio Lower Upper  
202 100  
101 8.6 0.0 31.4  
203 17.4 0.0 38.0

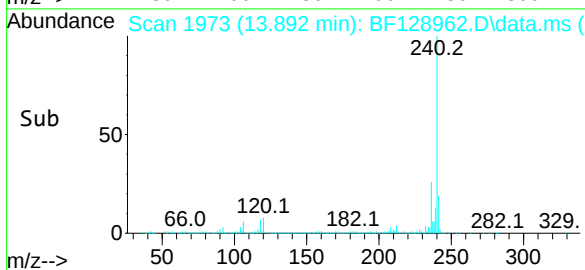
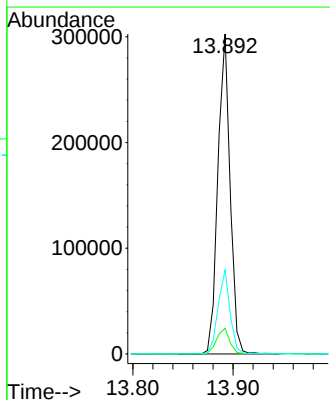
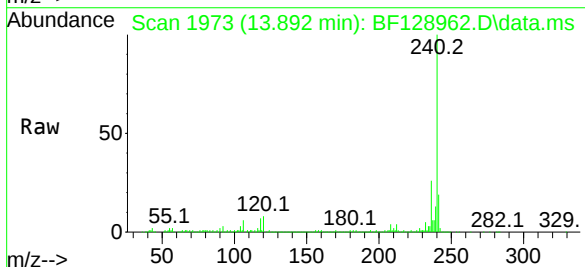
Manual Integrations  
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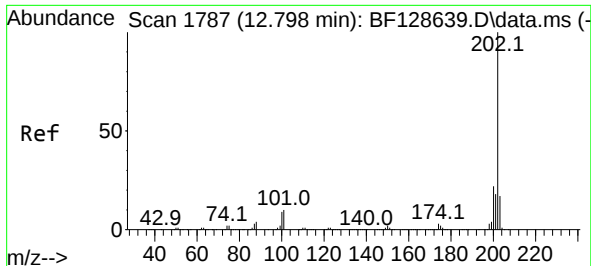
Reviewed By :Christian Giraldo 06/24/2022  
Supervised By :Jagrut Upadhyay 06/28/2022



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.892 min Scan# 1973  
Delta R.T. -0.006 min  
Lab File: BF128962.D  
Acq: 23 Jun 2022 20:08

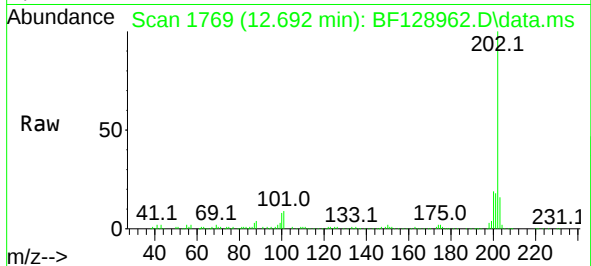
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Ion Ratio Lower Upper  
240 100  
120 8.1 8.9 13.3#  
236 26.2 20.8 31.2





#78  
Pyrene  
Concen: 4.587 ng  
RT: 12.692 min Scan# 1769  
Delta R.T. -0.006 min  
Lab File: BF128962.D  
Acq: 23 Jun 2022 20:08

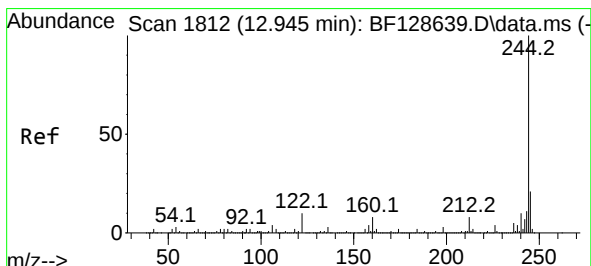
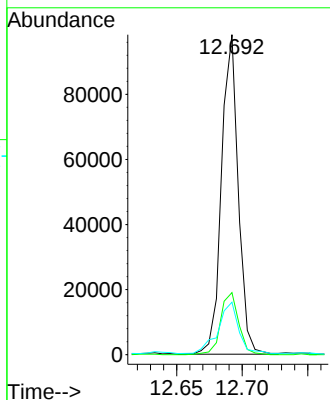
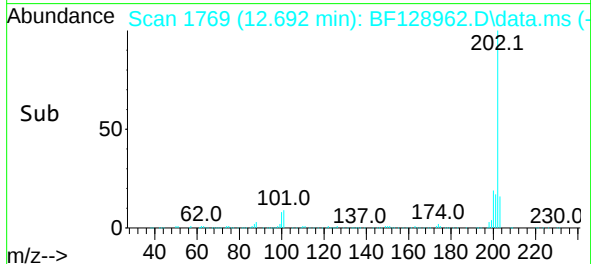
Instrument : BNA\_F  
ClientSampleId : XRDS-SCREENED-CLEAN-FILL-SP-1-COMP



Tgt Ion:202 Resp: 87140  
Ion Ratio Lower Upper  
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200 19.4 17.7 26.5  
203 16.4 14.6 21.8

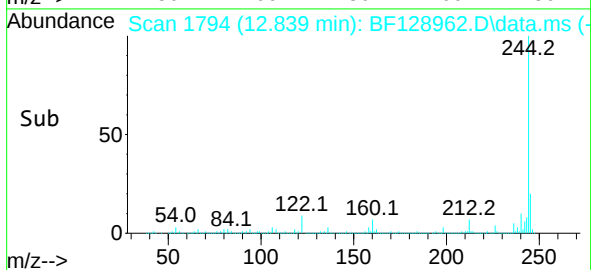
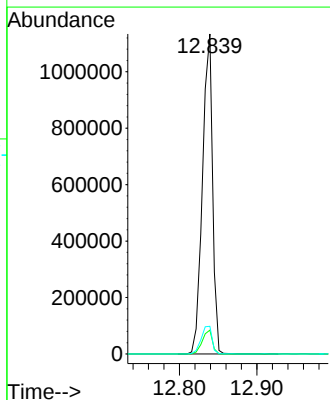
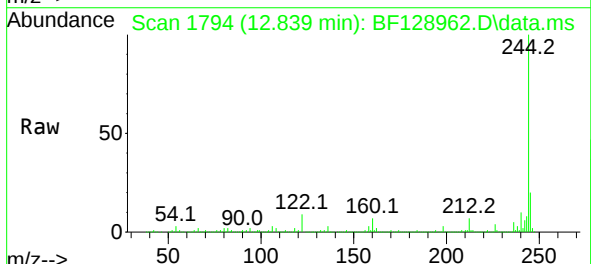
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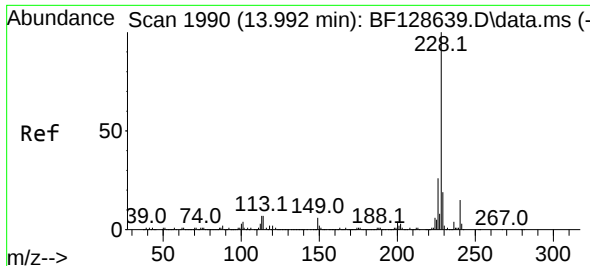
Reviewed By :Christian Giraldo 06/24/2022  
Supervised By :Jagrut Upadhyay 06/28/2022



#79  
Terphenyl-d14  
Concen: 69.861 ng  
RT: 12.839 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: BF128962.D  
Acq: 23 Jun 2022 20:08

Tgt Ion:244 Resp: 1026646  
Ion Ratio Lower Upper  
244 100  
212 7.4 6.1 9.1  
122 8.7 8.8 13.2#





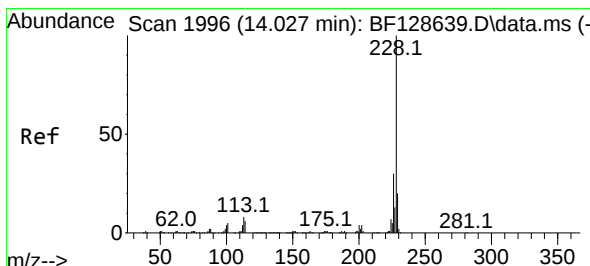
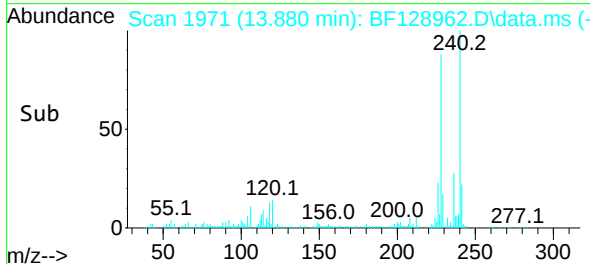
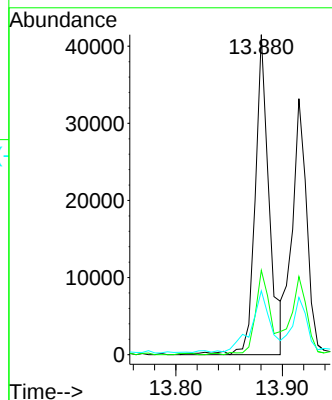
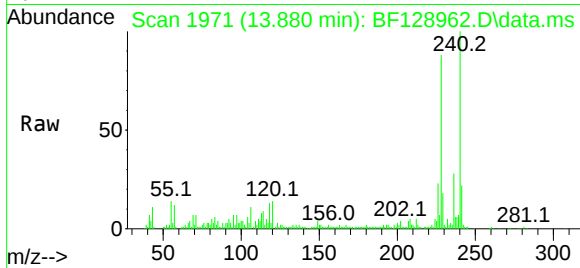
#81  
Benzo(a)anthracene  
Concen: 2.378 ng  
RT: 13.880 min Scan# 1971  
Delta R.T. -0.006 min  
Lab File: BF128962.D  
Acq: 23 Jun 2022 20:08

Instrument : BNA\_F  
ClientSampleId :  
XRDS-SCREENED-CLEAN-FILL-SP-1-COMP

Tgt Ion:228 Resp: 37850  
Ion Ratio Lower Upper  
228 100  
226 26.4 22.1 33.1  
229 19.9 15.8 23.8

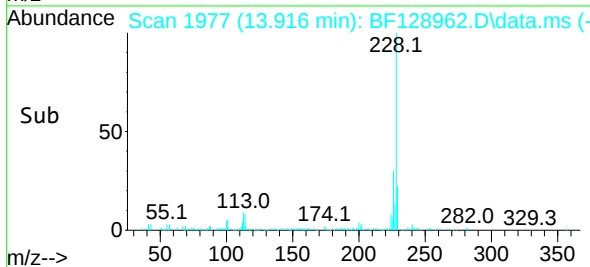
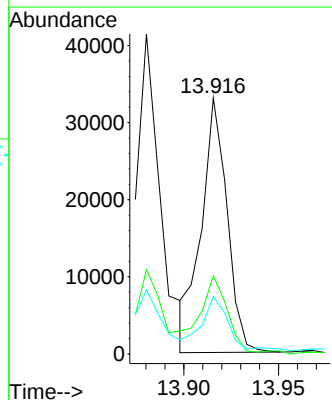
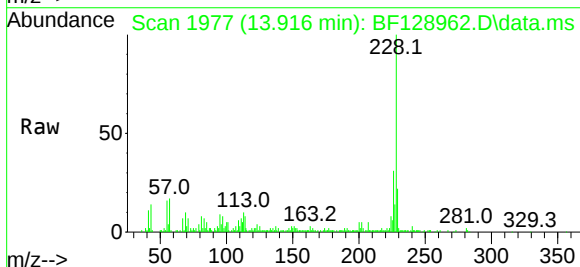
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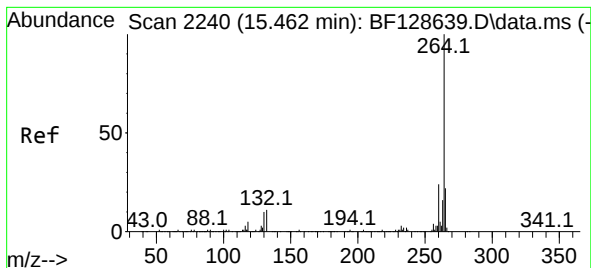
Reviewed By :Christian Giraldo 06/24/2022  
Supervised By :Jagrut Upadhyay 06/28/2022



#83  
Chrysene  
Concen: 2.056 ng  
RT: 13.916 min Scan# 1977  
Delta R.T. -0.012 min  
Lab File: BF128962.D  
Acq: 23 Jun 2022 20:08

Tgt Ion:228 Resp: 31207  
Ion Ratio Lower Upper  
228 100  
226 30.5 24.3 36.5  
229 22.4 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.327 min Scan# 2117

Delta R.T. -0.000 min

Lab File: BF128962.D

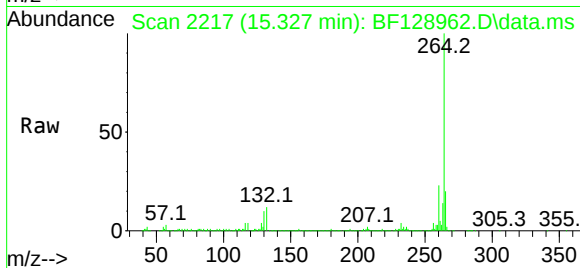
Acq: 23 Jun 2022 20:08

Instrument :

BNA\_F

ClientSampleId :

XRDS-SCREENED-CLEAN-FILL-SP-1-COMP



Tgt Ion:264 Resp: 226200

Ion Ratio Lower Upper

264 100

260 23.3 18.4 27.6

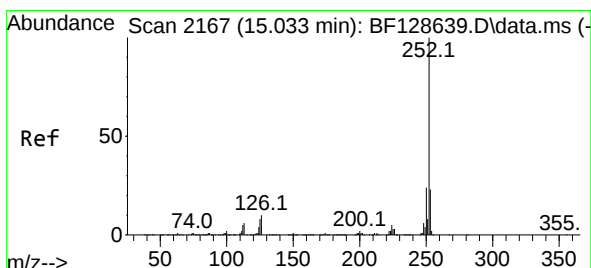
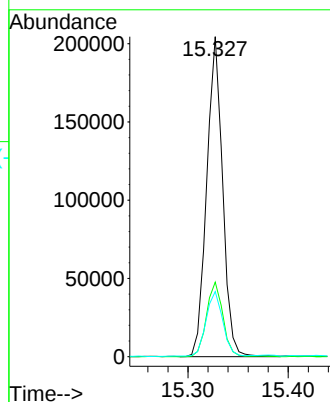
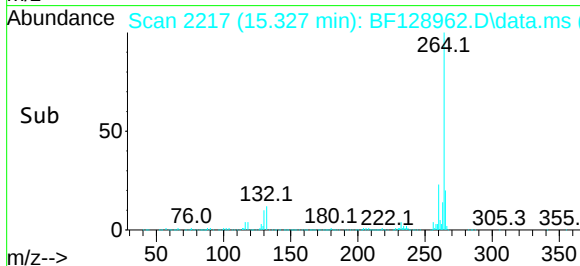
265 20.3 17.2 25.8

Manual Integrations

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Reviewed By :Christian Giraldo 06/24/2022

Supervised By :Jagrut Upadhyay 06/28/2022



#88

Benzo(b)fluoranthene

Concen: 2.682 ng m

RT: 14.915 min Scan# 2147

Delta R.T. -0.006 min

Lab File: BF128962.D

Acq: 23 Jun 2022 20:08

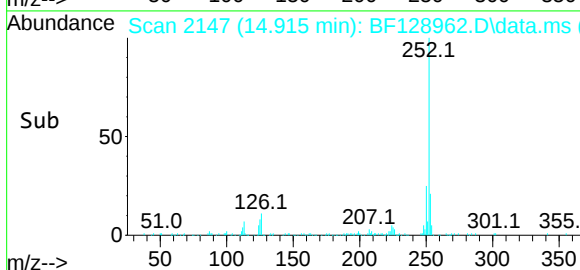
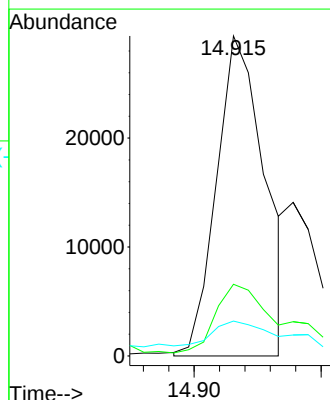
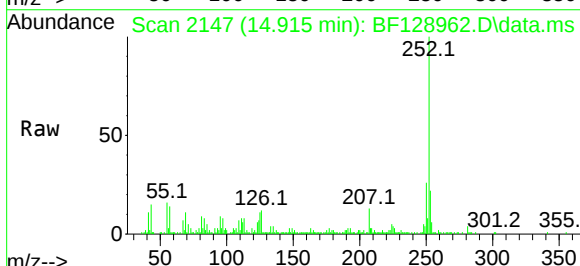
Tgt Ion:252 Resp: 38764

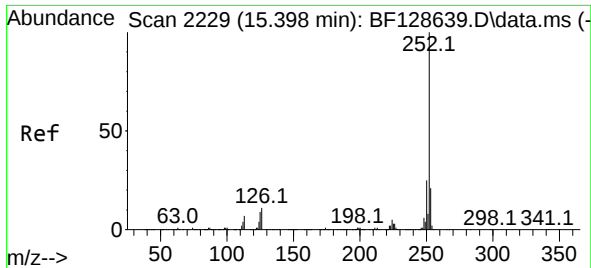
Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

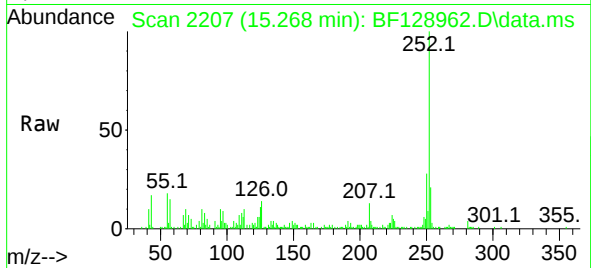
125 10.9 8.0 12.0





#90  
Benzo(a)pyrene  
Concen: 2.462 ng  
RT: 15.268 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF128962.D  
Acq: 23 Jun 2022 20:08

Instrument : BNA\_F  
ClientSampleId :  
XRDS-SCREENED-CLEAN-FILL-SP-1-COMP



Tgt Ion:252 Resp: 2796  
Ion Ratio Lower Upper  
252 100  
253 21.2 17.0 25.6  
125 10.7 8.8 13.2

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 06/24/2022  
Supervised By :Jagrut Upadhyay 06/28/2022

