

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060622\  
 Data File : BF128703.D  
 Acq On : 06 Jun 2022 18:28  
 Operator : CG\JU  
 Sample : N3201-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 11939

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 06/07/2022  
 Supervised By : Jagrut Upadhyay 06/07/2022

Quant Time: Jun 07 02:43:16 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 02 17:07:23 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.822  | 152  | 68411    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.104  | 136  | 249396   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.863  | 164  | 123275   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.345 | 188  | 183646   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12            | 13.992 | 240  | 158291   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12            | 15.457 | 264  | 161883   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.475  | 112  | 380157   | 88.513 | ng    | 0.00     |
| 7) Phenol-d6                | 6.493  | 99   | 474530   | 90.512 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.387  | 82   | 348724   | 65.102 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.651 | 330  | 101454   | 69.653 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.181  | 172  | 538866   | 61.233 | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.939 | 244  | 446734   | 49.040 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 11.369 | 178  | 46853    | 5.086  | ng    | 99       |
| 75) Fluoranthene            | 12.563 | 202  | 52897    | 5.494  | ng    | 93       |
| 78) Pyrene                  | 12.792 | 202  | 40856    | 3.469  | ng    | 98       |
| 83) Chrysene                | 14.016 | 228  | 23715m   | 2.521  | ng    |          |
| 88) Benzo(b)fluoranthene    | 15.027 | 252  | 24031m   | 2.323  | ng    |          |
| 90) Benzo(a)pyrene          | 15.392 | 252  | 16938m   | 2.083  | ng    |          |
| -----                       |        |      |          |        |       |          |

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

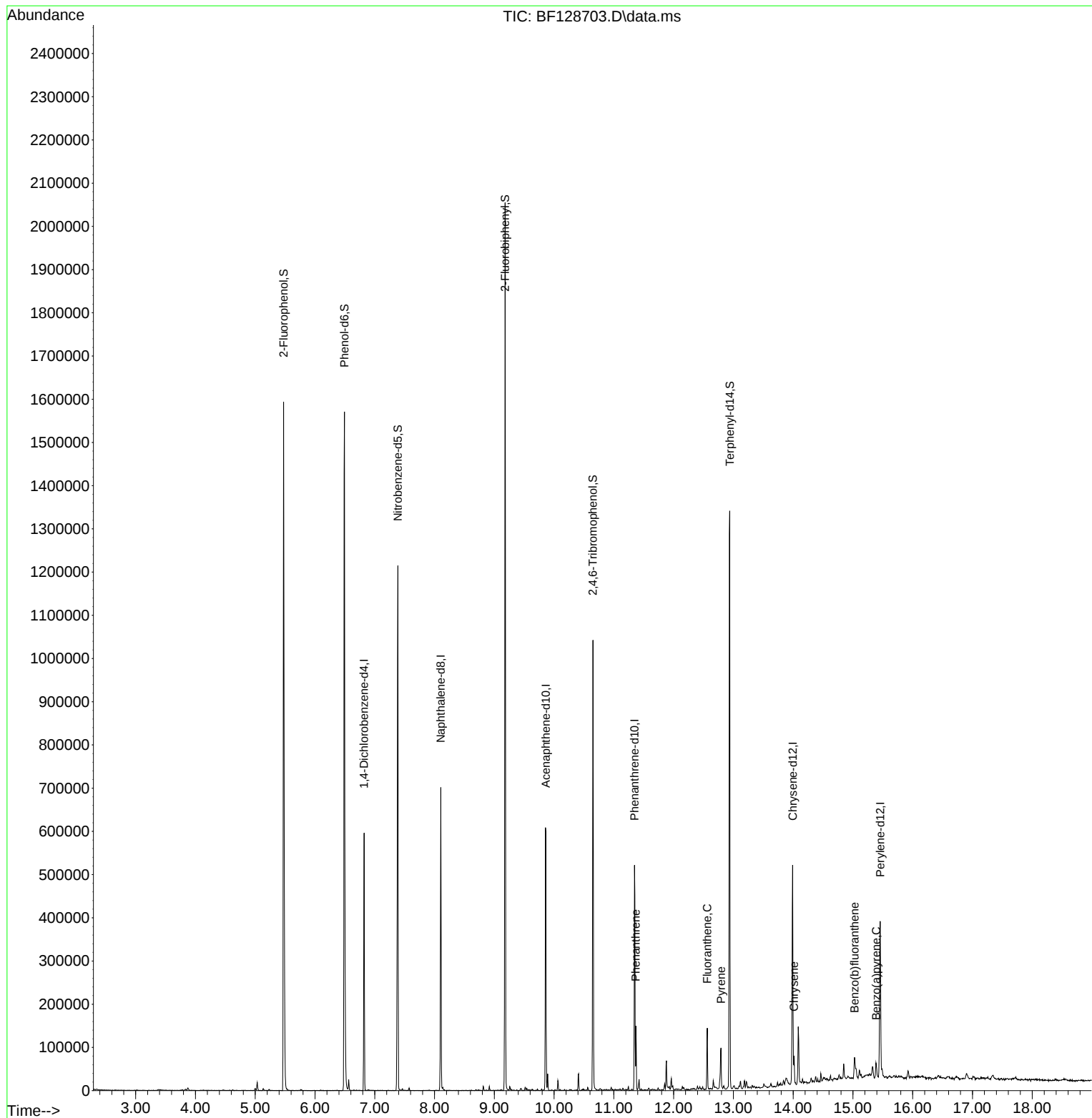
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060622\  
Data File : BF128703.D  
Acq On : 06 Jun 2022 18:28  
Operator : CG\JU  
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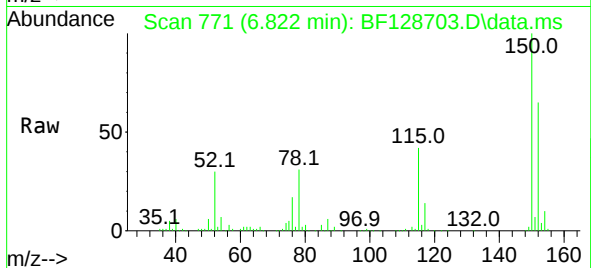
Quant Time: Jun 07 02:43:16 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 02 17:07:23 2022  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.822 min Scan# 772  
Delta R.T. -0.006 min  
Lab File: BF128703.D  
Acq: 06 Jun 2022 18:28

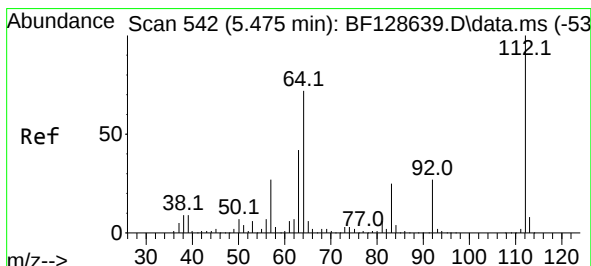
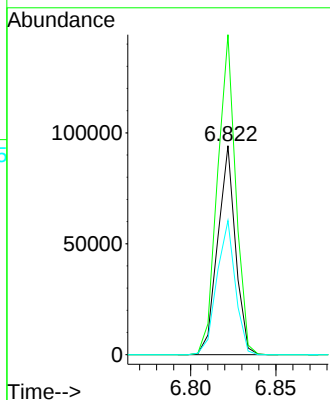
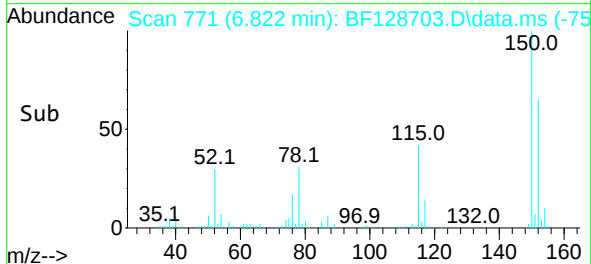
Instrument :  
BNA\_F  
ClientSampleId :  
11939



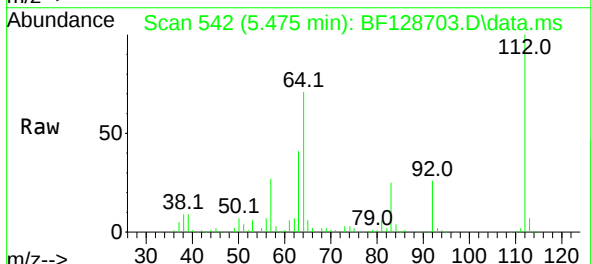
Tgt Ion:152 Resp: 6841  
Ion Ratio Lower Upper  
152 100  
150 153.2 123.7 185.5  
115 64.2 49.9 74.9

Manual Integrations  
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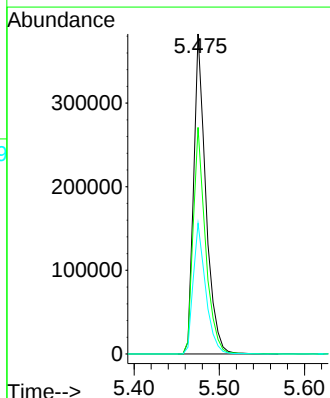
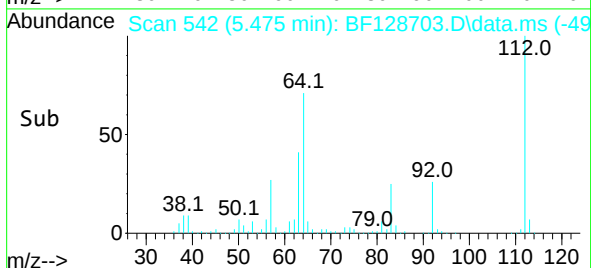
Reviewed By :Christian Giraldo 06/07/2022  
Supervised By :Jagrut Upadhyay 06/07/2022

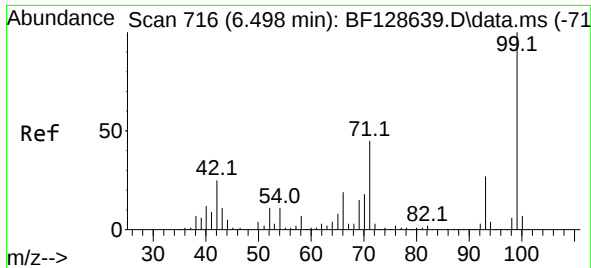


#5  
2-Fluorophenol  
Concen: 88.513 ng  
RT: 5.475 min Scan# 542  
Delta R.T. -0.000 min  
Lab File: BF128703.D  
Acq: 06 Jun 2022 18:28



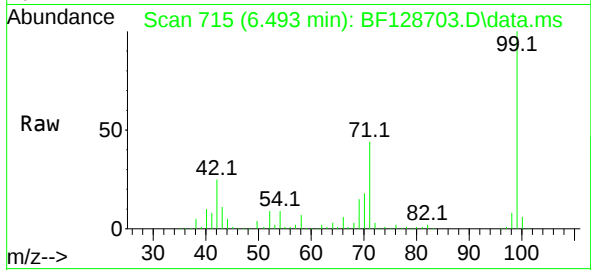
Tgt Ion:112 Resp: 380157  
Ion Ratio Lower Upper  
112 100  
64 70.8 53.3 79.9  
63 40.9 28.0 42.0





#7  
Phenol-d6  
Concen: 90.512 ng  
RT: 6.493 min Scan# 716  
Delta R.T. -0.005 min  
Lab File: BF128703.D  
Acq: 06 Jun 2022 18:28

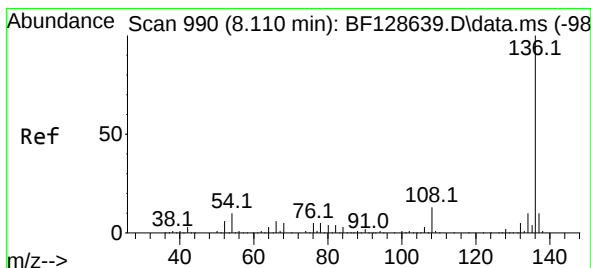
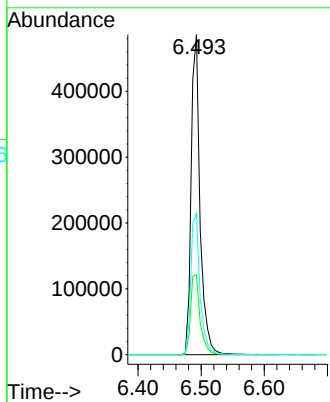
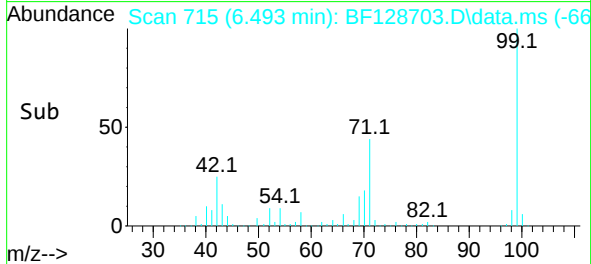
Instrument :  
BNA\_F  
ClientSampleId :  
11939



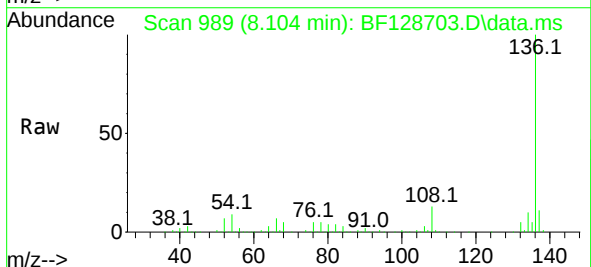
Tgt Ion: 99 Resp: 474530  
Ion Ratio Lower Upper  
99 100  
42 25.1 17.3 25.9  
71 44.3 28.9 43.3

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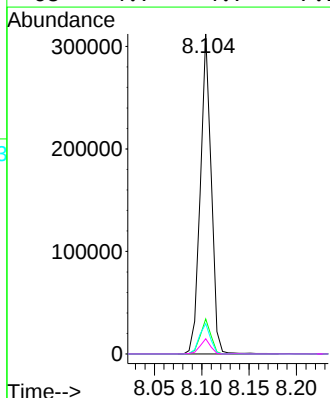
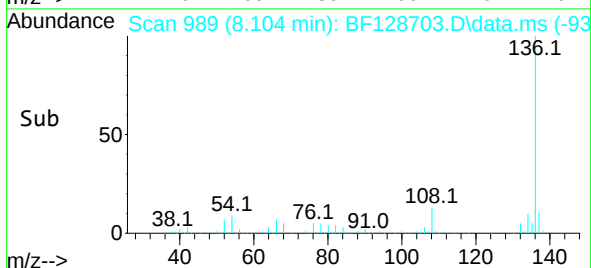
Reviewed By :Christian Giraldo 06/07/2022  
Supervised By :Jagrut Upadhyay 06/07/2022



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.104 min Scan# 989  
Delta R.T. -0.006 min  
Lab File: BF128703.D  
Acq: 06 Jun 2022 18:28



Tgt Ion:136 Resp: 249396  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 9.5 7.5 11.3  
68 4.7 4.7 7.1





#23

Nitrobenzene-d5

Concen: 65.102 ng

RT: 7.387 min Scan# 80

Delta R.T. -0.005 min

Lab File: BF128703.D

Acq: 06 Jun 2022 18:28

Instrument :

BNA\_F

ClientSampleId :

11939

Tgt Ion: 82 Resp: 348724

Ion Ratio Lower Upper

82 100

128 39.5 34.0 51.0

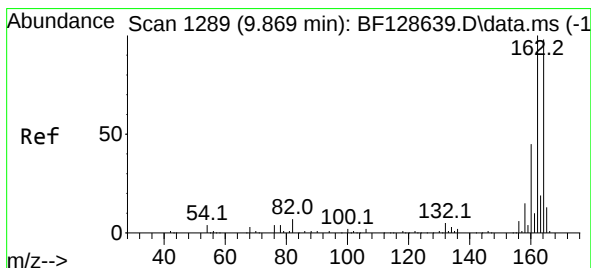
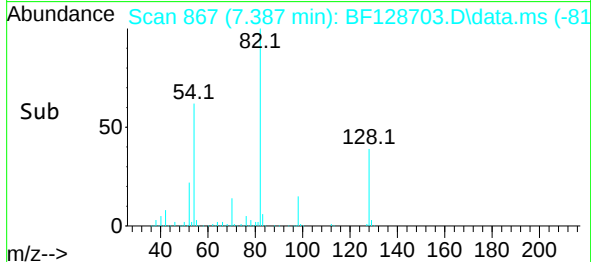
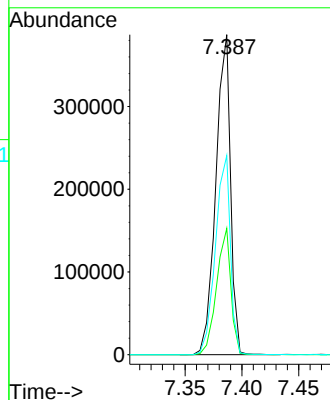
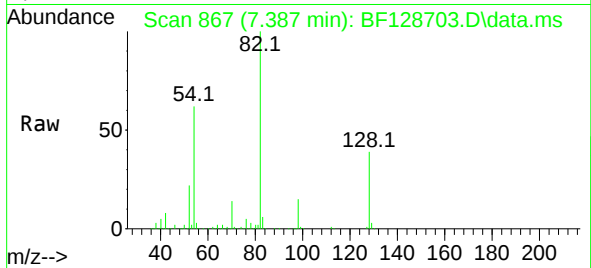
54 62.2 46.9 70.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1288

Delta R.T. -0.006 min

Lab File: BF128703.D

Acq: 06 Jun 2022 18:28

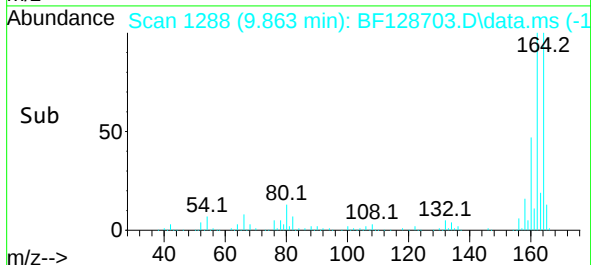
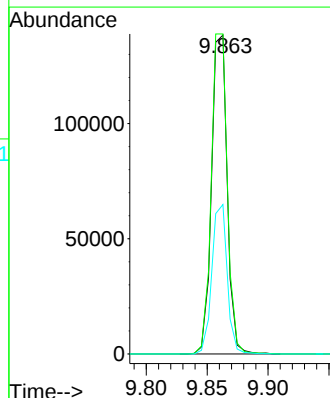
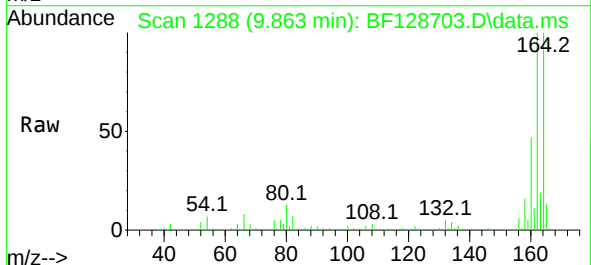
Tgt Ion:164 Resp: 123275

Ion Ratio Lower Upper

164 100

162 100.4 79.5 119.3

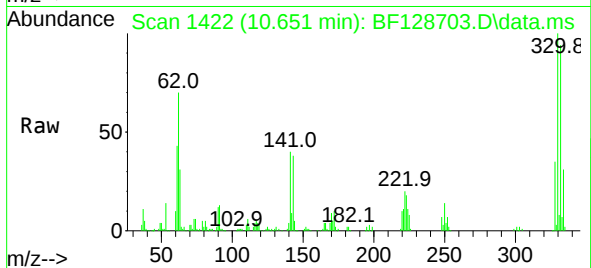
160 46.9 34.2 51.4





#42  
2,4,6-Tribromophenol  
Concen: 69.653 ng  
RT: 10.651 min Scan# 1422  
Delta R.T. -0.012 min  
Lab File: BF128703.D  
Acq: 06 Jun 2022 18:28

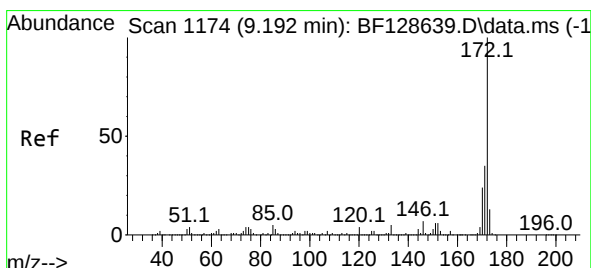
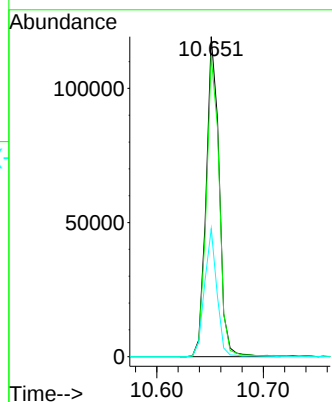
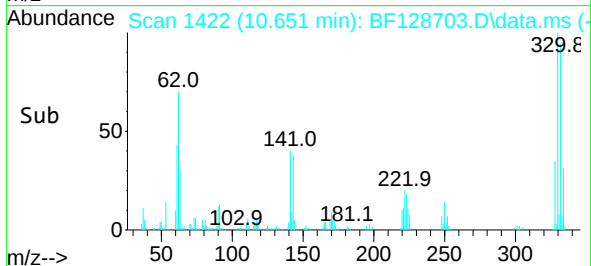
Instrument :  
BNA\_F  
ClientSampleId :  
11939



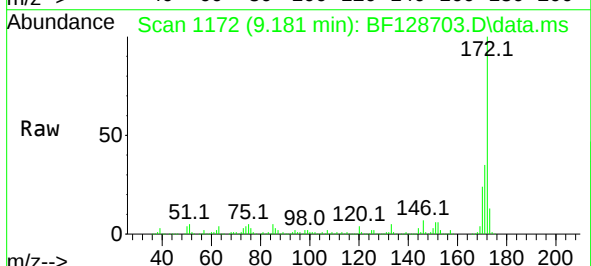
Tgt Ion: 330 Resp: 101454  
Ion Ratio Lower Upper  
330 100  
332 94.4 76.8 115.2  
141 38.3 28.0 42.0

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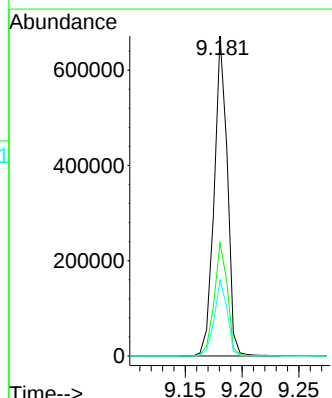
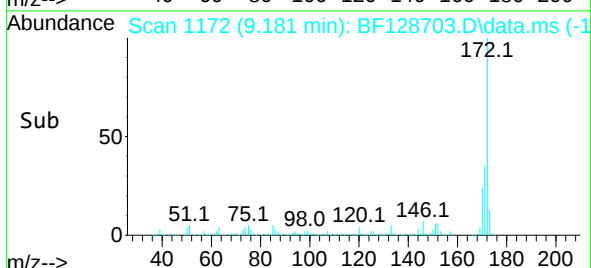
Reviewed By : Christian Giraldo 06/07/2022  
Supervised By : Jagrut Upadhyay 06/07/2022

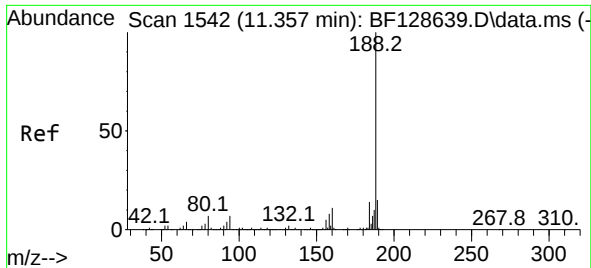


#45  
2-Fluorobiphenyl  
Concen: 61.233 ng  
RT: 9.181 min Scan# 1172  
Delta R.T. -0.011 min  
Lab File: BF128703.D  
Acq: 06 Jun 2022 18:28



Tgt Ion: 172 Resp: 538866  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.8 43.2  
170 23.8 19.8 29.8





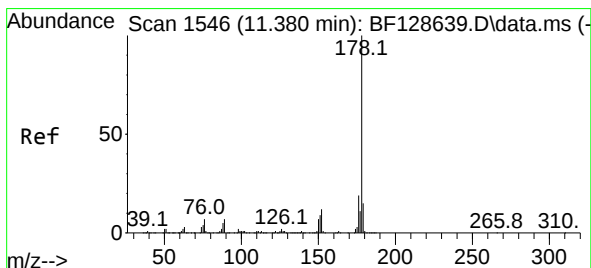
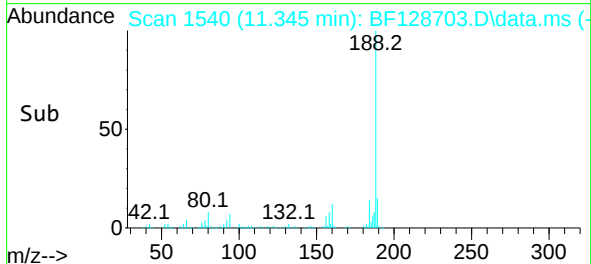
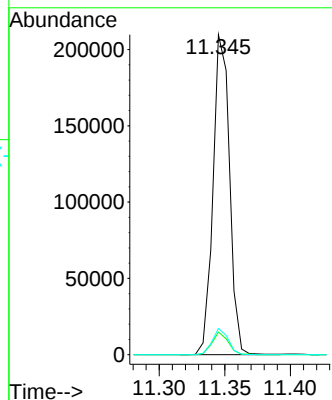
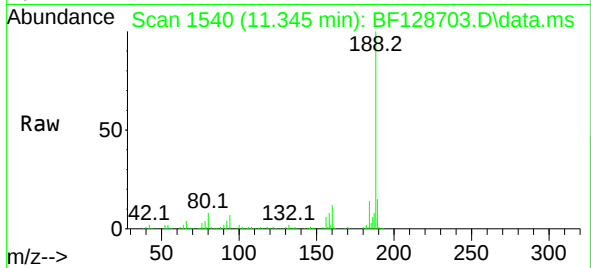
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.345 min Scan# 11939  
Delta R.T. -0.012 min  
Lab File: BF128703.D  
Acq: 06 Jun 2022 18:28

Instrument :  
BNA\_F  
ClientSampleId :  
11939

Tgt Ion:188 Resp: 183640  
Ion Ratio Lower Upper  
188 100  
94 7.0 7.0 10.6  
80 8.2 7.6 11.4

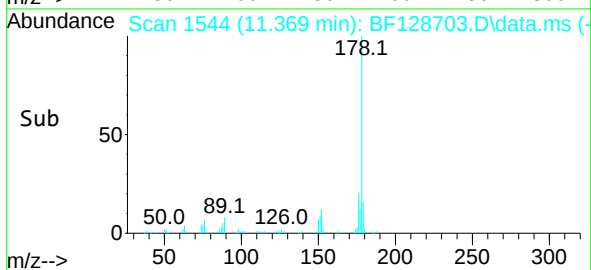
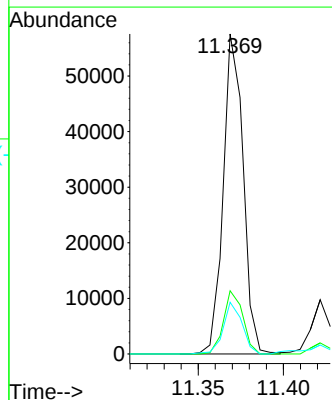
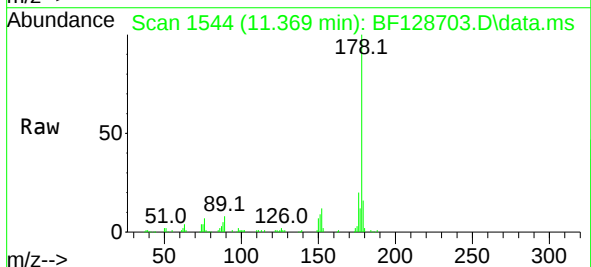
Manual Integrations  
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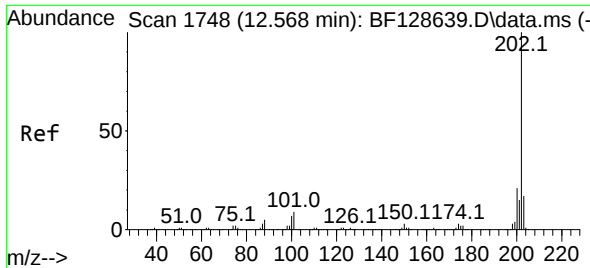
Reviewed By :Christian Giraldo 06/07/2022  
Supervised By :Jagrut Upadhyay 06/07/2022



#71  
Phenanthrene  
Concen: 5.086 ng  
RT: 11.369 min Scan# 1544  
Delta R.T. -0.012 min  
Lab File: BF128703.D  
Acq: 06 Jun 2022 18:28

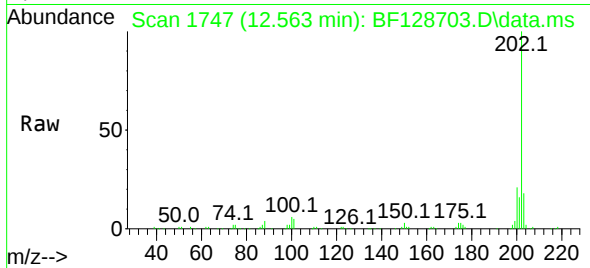
Tgt Ion:178 Resp: 46853  
Ion Ratio Lower Upper  
178 100  
176 19.8 16.0 24.0  
179 16.1 12.6 19.0





#75  
Fluoranthene  
Concen: 5.494 ng  
RT: 12.563 min Scan# 11939  
Delta R.T. -0.006 min  
Lab File: BF128703.D  
Acq: 06 Jun 2022 18:28

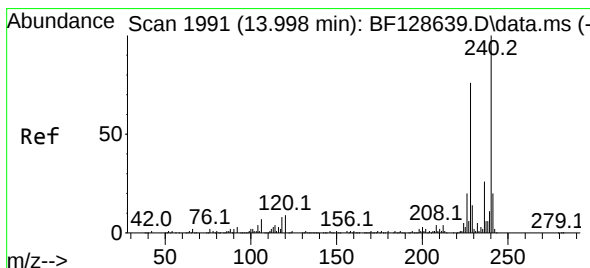
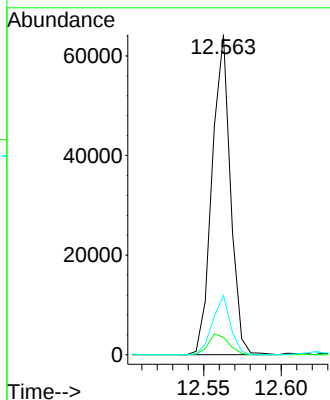
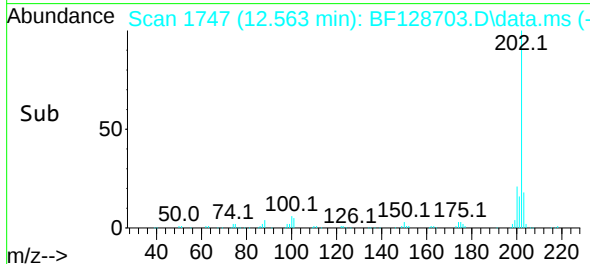
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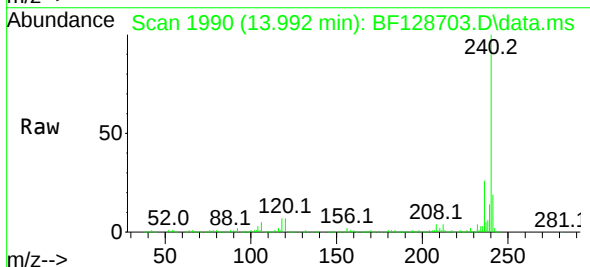
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202 100  
101 5.4 0.0 31.4  
203 18.5 0.0 38.0

Manual Integrations  
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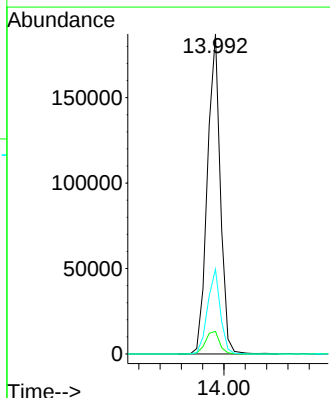
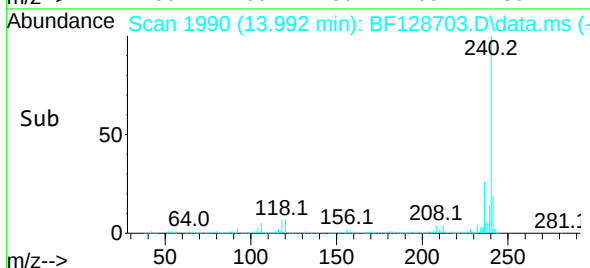
Reviewed By :Christian Giraldo 06/07/2022  
Supervised By :Jagrut Upadhyay 06/07/2022

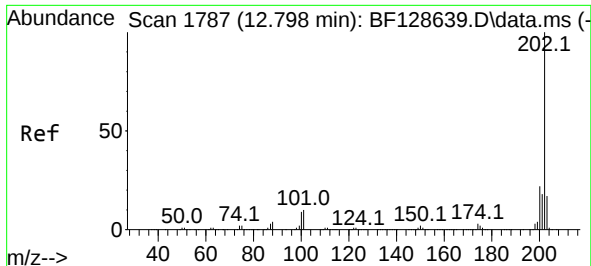


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.992 min Scan# 1990  
Delta R.T. -0.006 min  
Lab File: BF128703.D  
Acq: 06 Jun 2022 18:28



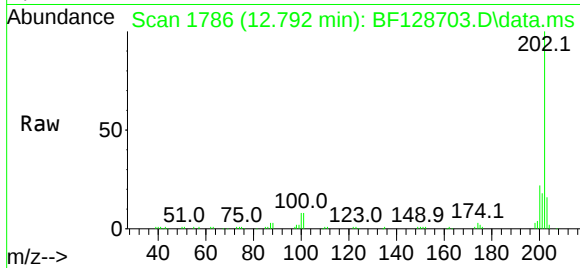
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120 7.1 8.9 13.3#  
236 26.5 20.8 31.2





#78  
Pyrene  
Concen: 3.469 ng  
RT: 12.792 min Scan# 11939  
Delta R.T. -0.006 min  
Lab File: BF128703.D  
Acq: 06 Jun 2022 18:28

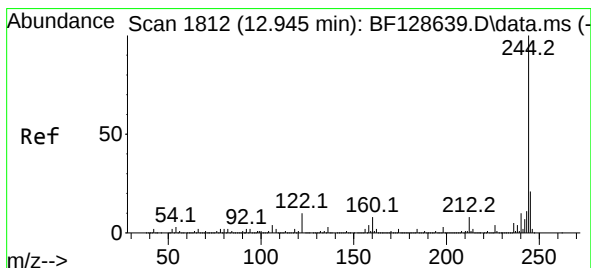
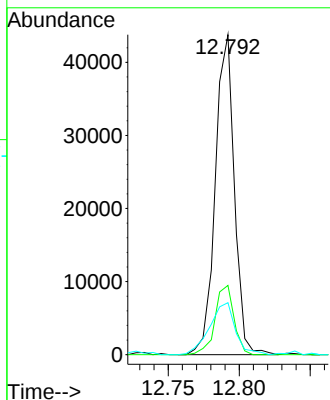
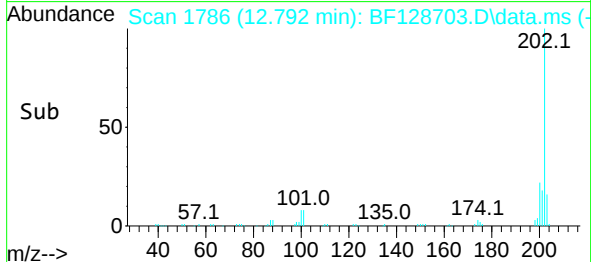
Instrument :  
BNA\_F  
ClientSampleId :  
11939



Tgt Ion:202 Resp: 40850  
Ion Ratio Lower Upper  
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203 16.3 14.6 21.8

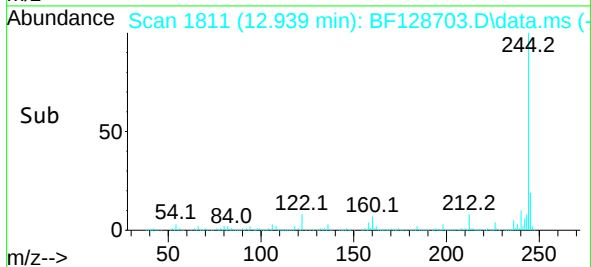
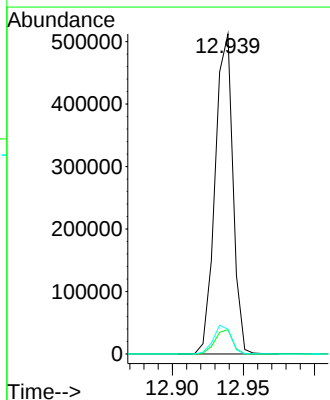
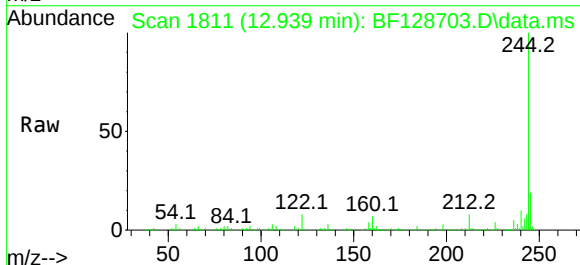
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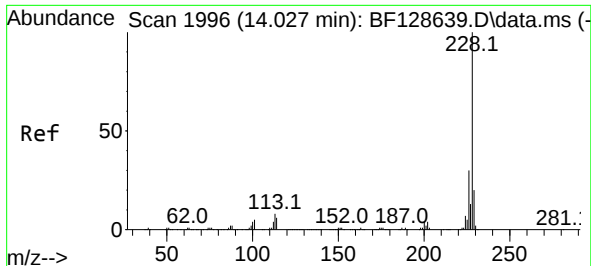
Reviewed By :Christian Giraldo 06/07/2022  
Supervised By :Jagrut Upadhyay 06/07/2022



#79  
Terphenyl-d14  
Concen: 49.040 ng  
RT: 12.939 min Scan# 1811  
Delta R.T. -0.006 min  
Lab File: BF128703.D  
Acq: 06 Jun 2022 18:28

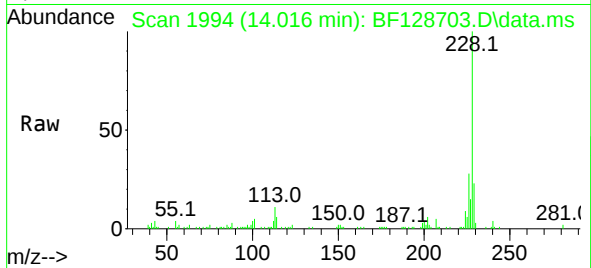
Tgt Ion:244 Resp: 446734  
Ion Ratio Lower Upper  
244 100  
212 7.6 6.1 9.1  
122 7.7 8.8 13.2#





#83  
Chrysene  
Concen: 2.521 ng m  
RT: 14.016 min Scan# 1996  
Delta R.T. -0.012 min  
Lab File: BF128703.D  
Acq: 06 Jun 2022 18:28

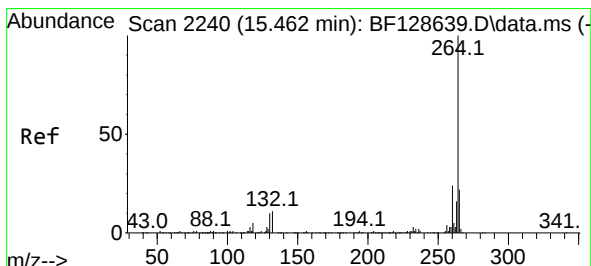
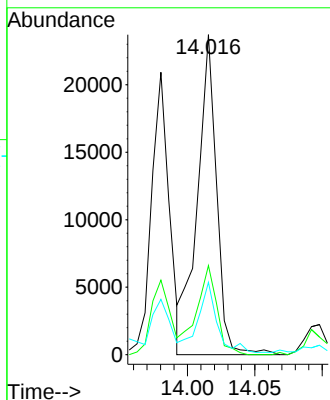
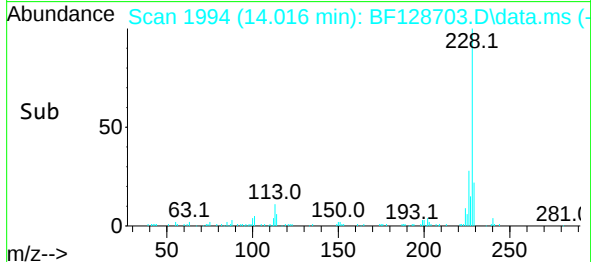
Instrument :  
BNA\_F  
ClientSampleId :  
11939



Tgt Ion:228 Resp: 23715  
Ion Ratio Lower Upper  
228 100  
226 27.8 24.3 36.5  
229 22.6 15.9 23.9

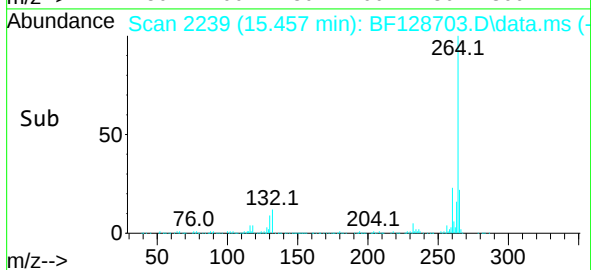
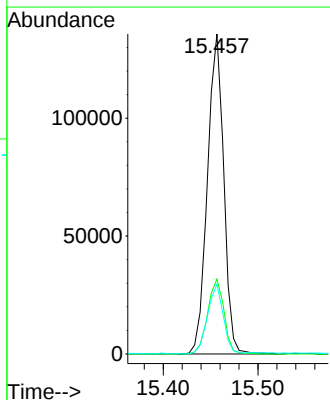
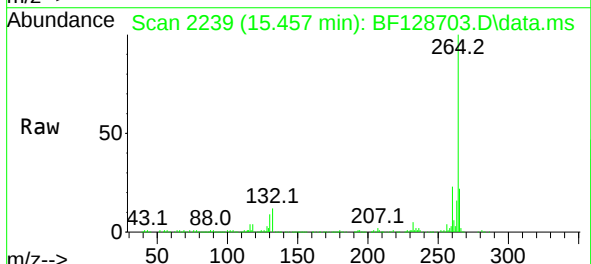
Manual Integrations  
APPROVED

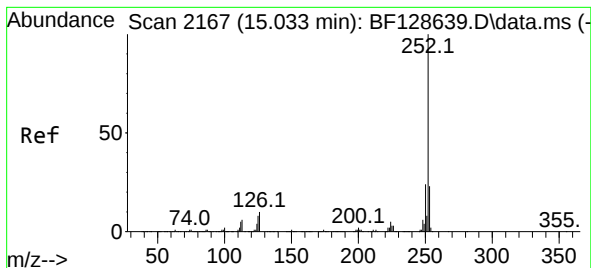
Reviewed By :Christian Giraldo 06/07/2022  
Supervised By :Jagrut Upadhyay 06/07/2022



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.457 min Scan# 2239  
Delta R.T. -0.005 min  
Lab File: BF128703.D  
Acq: 06 Jun 2022 18:28

Tgt Ion:264 Resp: 161883  
Ion Ratio Lower Upper  
264 100  
260 23.4 18.4 27.6  
265 21.8 17.2 25.8





#88

Benzo(b)fluoranthene

Concen: 2.323 ng m

RT: 15.027 min Scan# 2166

Delta R.T. -0.006 min

Lab File: BF128703.D

Acq: 06 Jun 2022 18:28

Instrument :

BNA\_F

ClientSampleId :

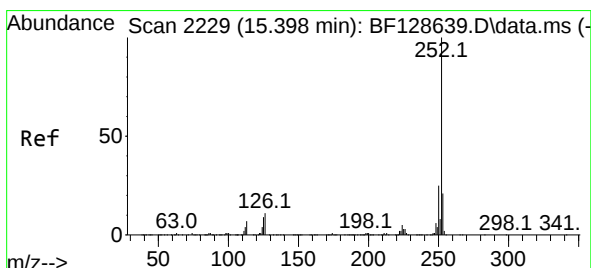
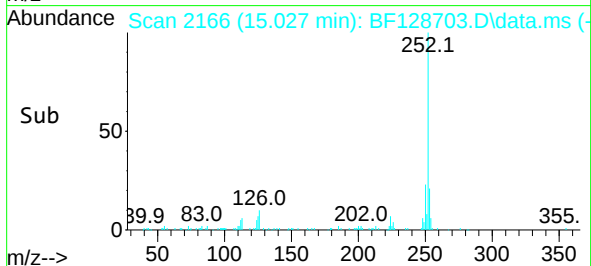
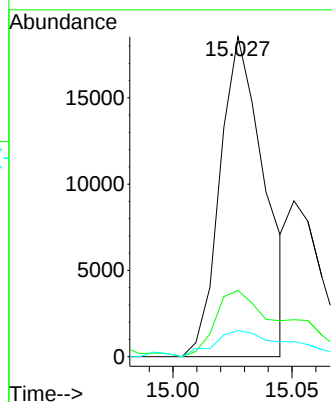
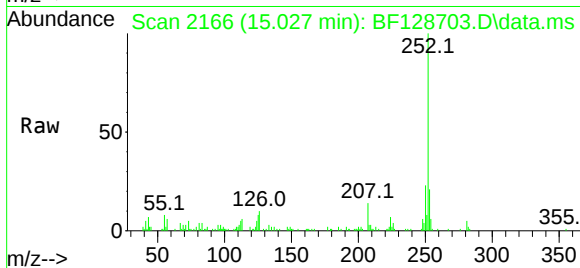
11939

Tgt Ion:252 Resp: 2403  
 Ion Ratio Lower Upper  
 252 100  
 253 20.7 17.7 26.5  
 125 8.2 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/07/2022  
 Supervised By :Jagrut Upadhyay 06/07/2022



#90

Benzo(a)pyrene

Concen: 2.083 ng m

RT: 15.392 min Scan# 2228

Delta R.T. -0.006 min

Lab File: BF128703.D

Acq: 06 Jun 2022 18:28

Tgt Ion:252 Resp: 16938  
 Ion Ratio Lower Upper  
 252 100  
 253 21.9 17.0 25.6  
 125 5.4 8.8 13.2#

