

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060822\  
 Data File : BF128735.D  
 Acq On : 08 Jun 2022 15:01  
 Operator : CG\JU  
 Sample : N3197-03DL 20X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-4-060322DL

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 06/09/2022  
 Supervised By : Jagrut Upadhyay 06/09/2022

Quant Time: Jun 08 15:21:00 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 08 14:28:39 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.810  | 152  | 81243    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.092  | 136  | 237226   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 9.851  | 164  | 111966   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.339 | 188  | 182155   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12            | 13.986 | 240  | 165167   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12            | 15.445 | 264  | 130888   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.469  | 112  | 12577    | 2.466  | ng    | 0.01     |
| 7) Phenol-d6                | 6.481  | 99   | 17606    | 2.828  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.369  | 82   | 11049    | 2.169  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.639 | 330  | 2686     | 2.030  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.169  | 172  | 17981    | 2.250  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.922 | 244  | 18265    | 1.922  | ng    | -0.01    |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 11.363 | 178  | 59058    | 6.464  | ng    | 98       |
| 72) Anthracene              | 11.410 | 178  | 24116    | 2.667  | ng    | 98       |
| 75) Fluoranthene            | 12.557 | 202  | 283254   | 29.659 | ng    | 96       |
| 78) Pyrene                  | 12.786 | 202  | 252375   | 20.538 | ng    | 99       |
| 81) Benzo(a)anthracene      | 13.974 | 228  | 137742   | 13.379 | ng    | 99       |
| 83) Chrysene                | 14.010 | 228  | 113384   | 11.552 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene  | 16.892 | 276  | 53844    | 6.825  | ng    | # 89     |
| 88) Benzo(b)fluoranthene    | 15.021 | 252  | 146884m  | 17.562 | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.045 | 252  | 40817m   | 5.188  | ng    |          |
| 90) Benzo(a)pyrene          | 15.380 | 252  | 98437m   | 14.975 | ng    |          |
| 91) Dibenzo(a,h)anthracene  | 16.898 | 278  | 13373    | 2.044  | ng    | 92       |
| 92) Benzo(g,h,i)perylene    | 17.327 | 276  | 50259    | 7.750  | ng    | 97       |
| -----                       |        |      |          |        |       |          |

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

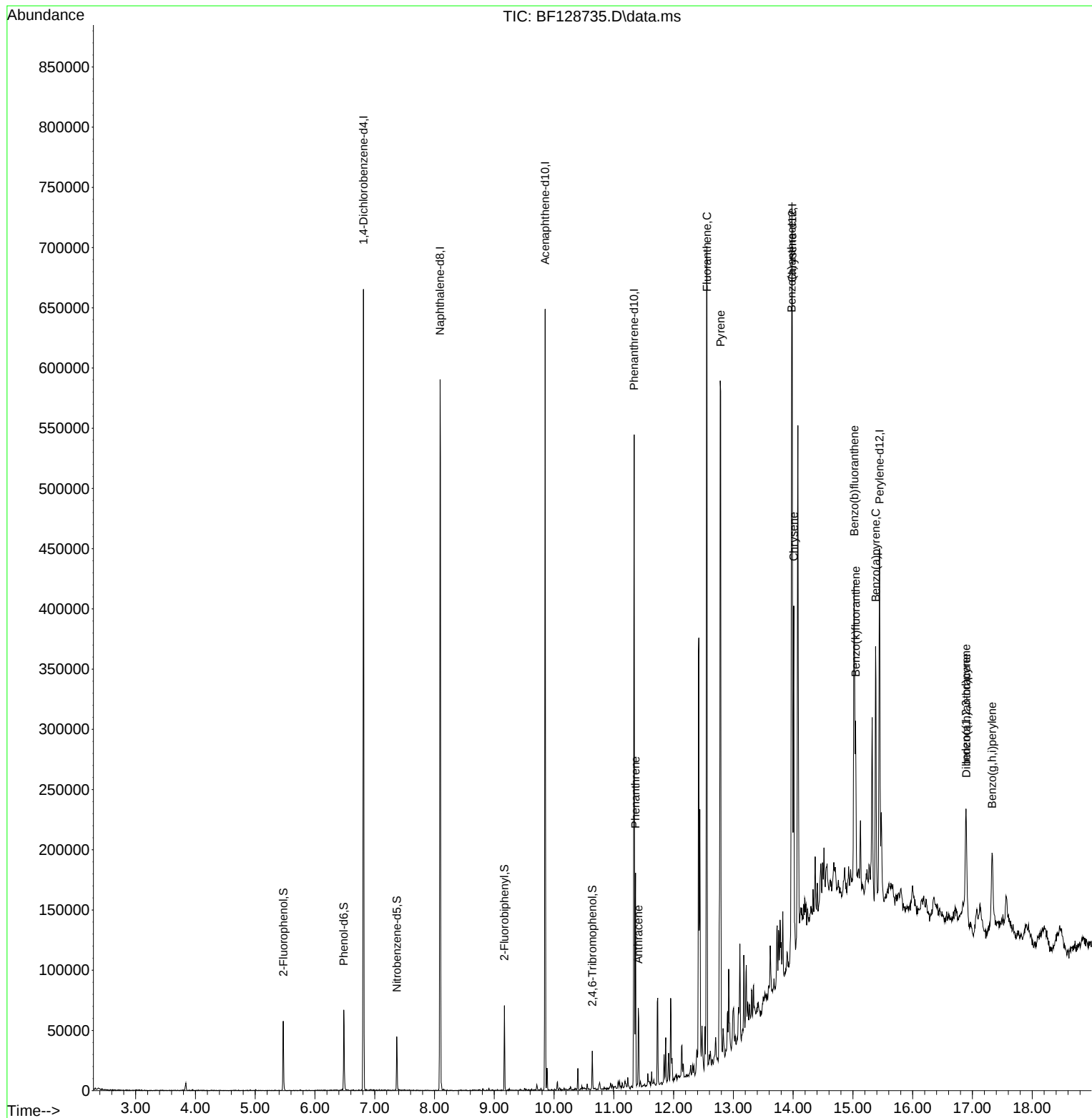
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060822\  
Data File : BF128735.D  
Acq On : 08 Jun 2022 15:01  
Operator : CG\JU  
Sample : N3197-03DL 20X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SU-4-060322DL

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Supervised By : Jagrut Upadhyay 06/09/2022

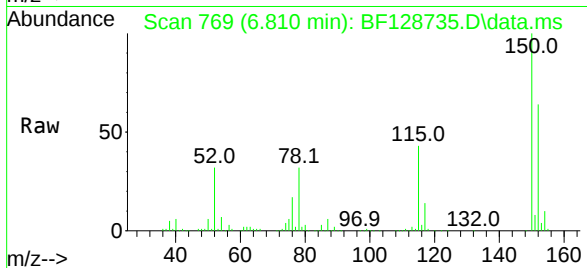
Quant Time: Jun 08 15:21:00 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 08 14:28:39 2022  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.810 min Scan# 70  
Delta R.T. 0.000 min  
Lab File: BF128735.D  
Acq: 08 Jun 2022 15:01

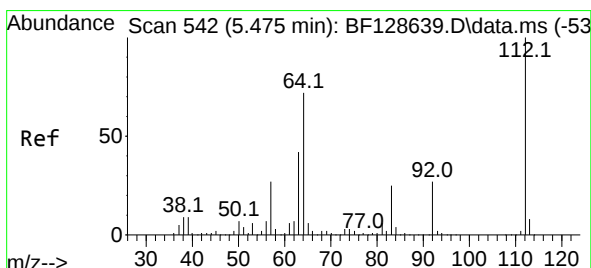
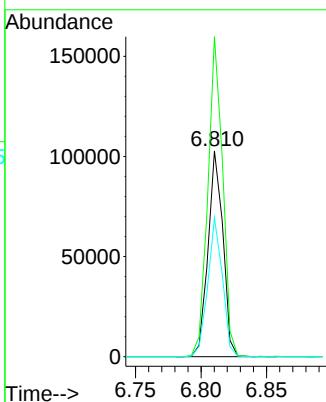
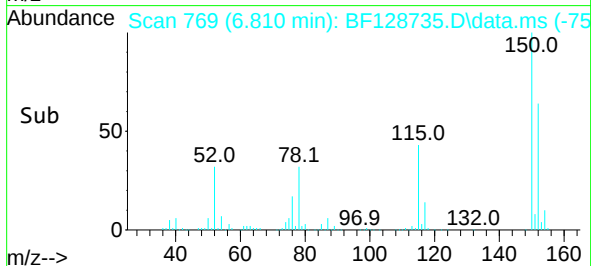
Instrument :  
BNA\_F  
ClientSampleId :  
SU-4-060322DL



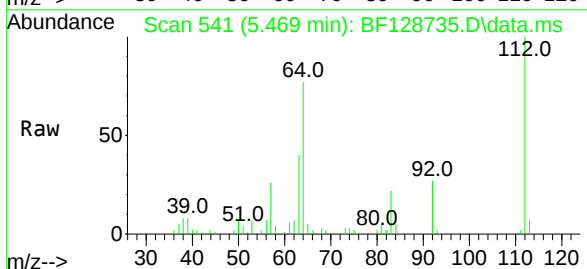
Tgt Ion:152 Resp: 8124  
Ion Ratio Lower Upper  
152 100  
150 155.5 123.7 185.5  
115 67.5 49.9 74.9

Manual Integrations  
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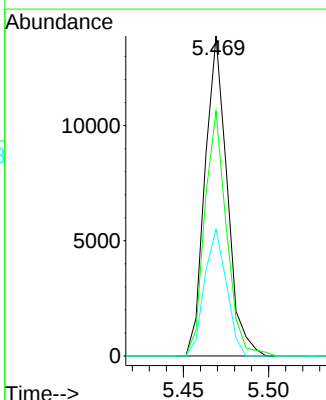
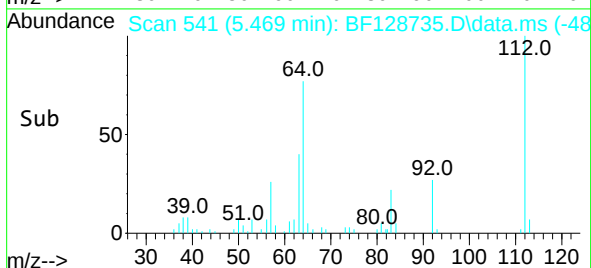
Reviewed By :Christian Giraldo 06/09/2022  
Supervised By :Jagrut Upadhyay 06/09/2022

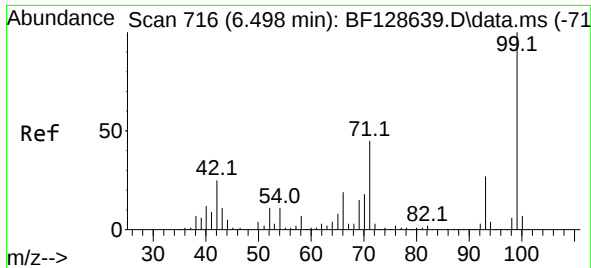


#5  
2-Fluorophenol  
Concen: 2.466 ng  
RT: 5.469 min Scan# 541  
Delta R.T. 0.012 min  
Lab File: BF128735.D  
Acq: 08 Jun 2022 15:01



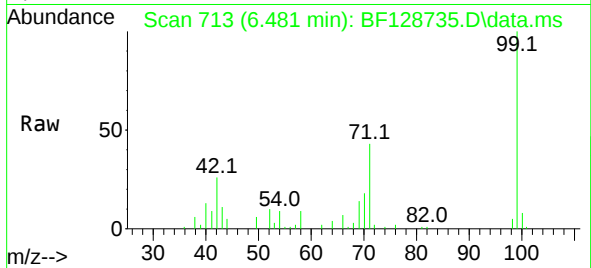
Tgt Ion:112 Resp: 12577  
Ion Ratio Lower Upper  
112 100  
64 76.5 53.3 79.9  
63 39.6 28.0 42.0





#7  
Phenol-d6  
Concen: 2.828 ng  
RT: 6.481 min Scan# 716  
Delta R.T. -0.000 min  
Lab File: BF128735.D  
Acq: 08 Jun 2022 15:01

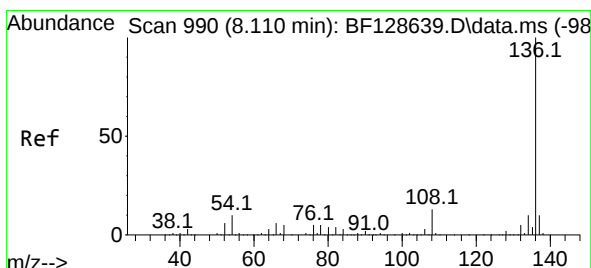
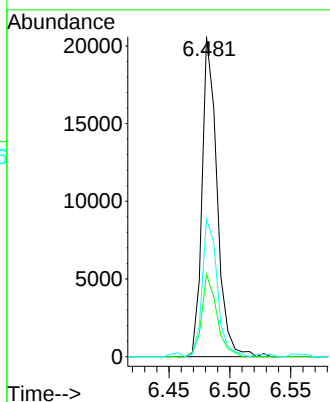
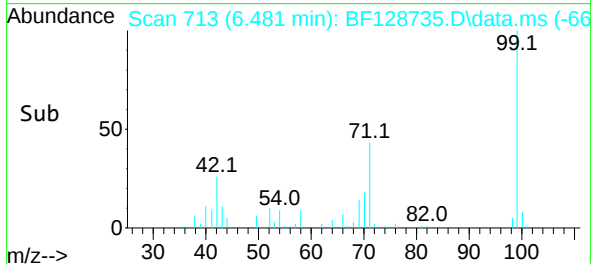
Instrument :  
BNA\_F  
ClientSampleId :  
SU-4-060322DL



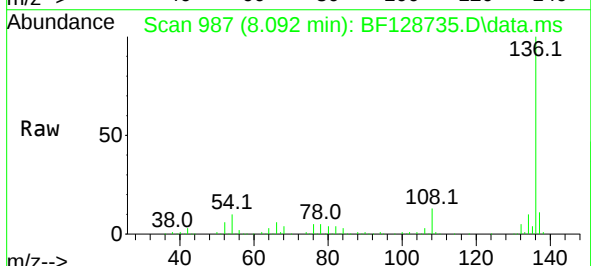
Tgt Ion: 99 Resp: 17600  
Ion Ratio Lower Upper  
99 100  
42 25.7 17.3 25.9  
71 43.0 28.9 43.3

Manual Integrations  
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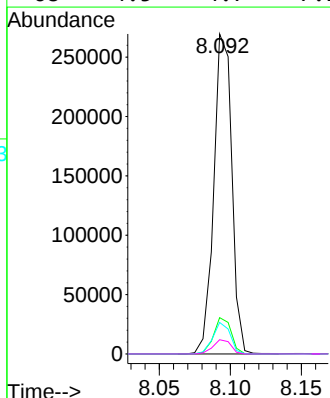
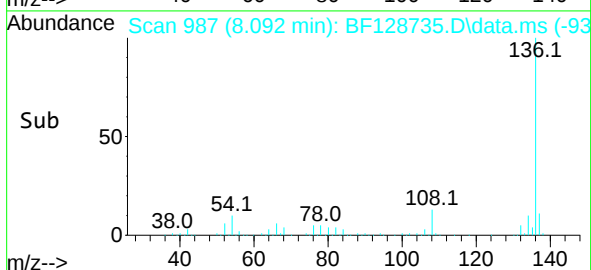
Reviewed By :Christian Giraldo 06/09/2022  
Supervised By :Jagrut Upadhyay 06/09/2022



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.092 min Scan# 987  
Delta R.T. -0.006 min  
Lab File: BF128735.D  
Acq: 08 Jun 2022 15:01



Tgt Ion:136 Resp: 237226  
Ion Ratio Lower Upper  
136 100  
137 11.4 8.8 13.2  
54 9.8 7.5 11.3  
68 4.5 4.7 7.1#





#23

Nitrobenzene-d5

Concen: 2.169 ng

RT: 7.369 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF128735.D

Acq: 08 Jun 2022 15:01

Instrument :

BNA\_F

ClientSampleId :

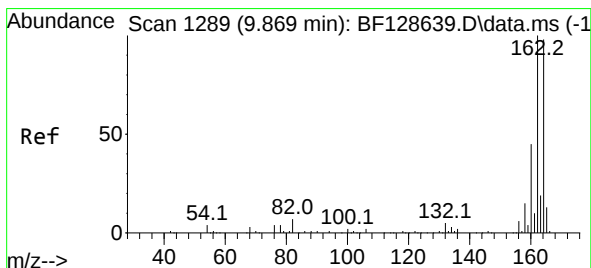
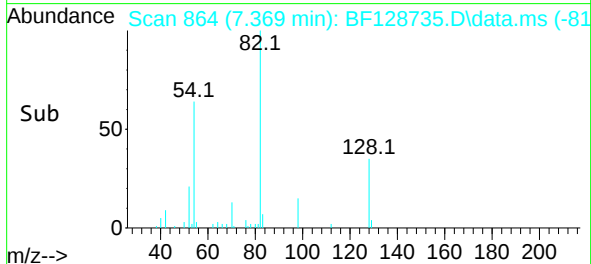
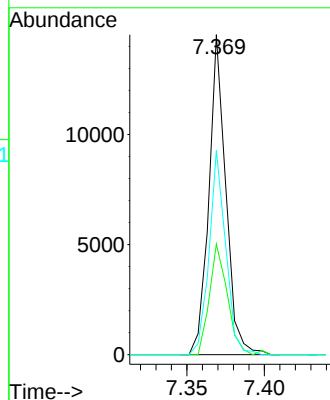
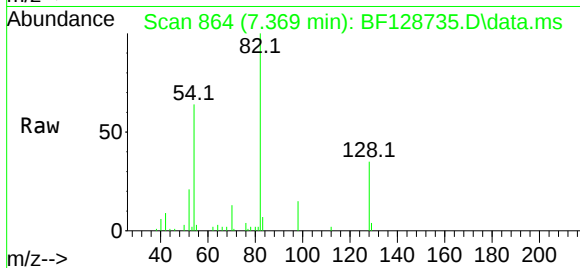
SU-4-060322DL

|             |                |
|-------------|----------------|
| Tgt Ion: 82 | Resp: 11049    |
| Ion Ratio   | Lower Upper    |
| 82          | 100            |
| 128         | 34.6 34.0 51.0 |
| 54          | 63.9 46.9 70.3 |

Manual Integrations

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Reviewed By :Christian Giraldo 06/09/2022  
Supervised By :Jagrut Upadhyay 06/09/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

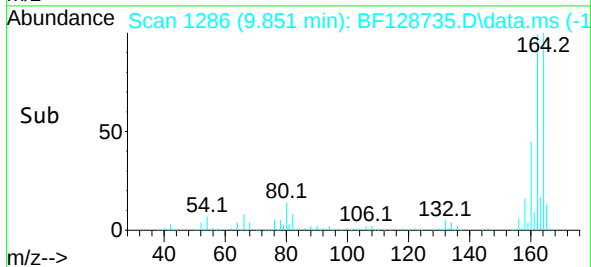
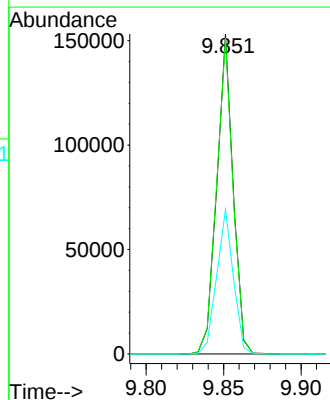
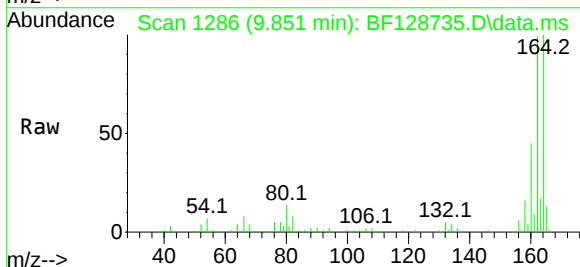
RT: 9.851 min Scan# 1286

Delta R.T. -0.006 min

Lab File: BF128735.D

Acq: 08 Jun 2022 15:01

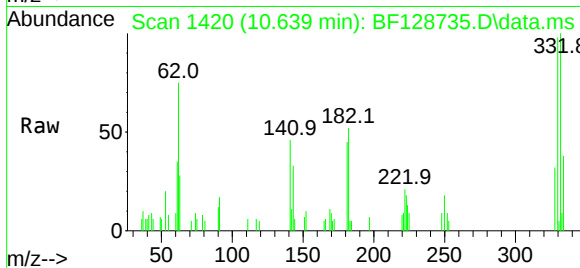
|             |                 |
|-------------|-----------------|
| Tgt Ion:164 | Resp: 111966    |
| Ion Ratio   | Lower Upper     |
| 164         | 100             |
| 162         | 98.8 79.5 119.3 |
| 160         | 45.1 34.2 51.4  |





#42  
2,4,6-Tribromophenol  
Concen: 2.030 ng  
RT: 10.639 min Scan# 1424  
Delta R.T. -0.012 min  
Lab File: BF128735.D  
Acq: 08 Jun 2022 15:01

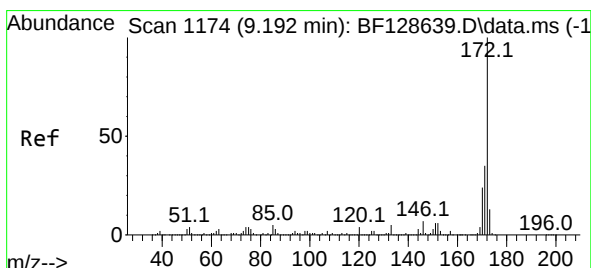
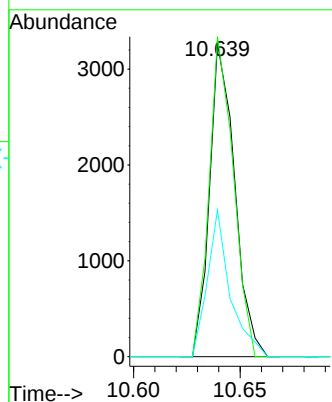
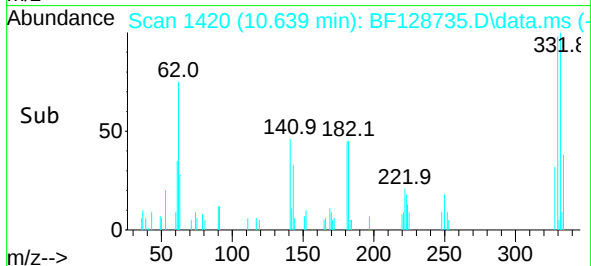
Instrument :  
BNA\_F  
ClientSampleId :  
SU-4-060322DL



Tgt Ion: 330 Resp: 2680  
Ion Ratio Lower Upper  
330 100  
332 98.3 76.8 115.2  
141 42.4 28.0 42.0

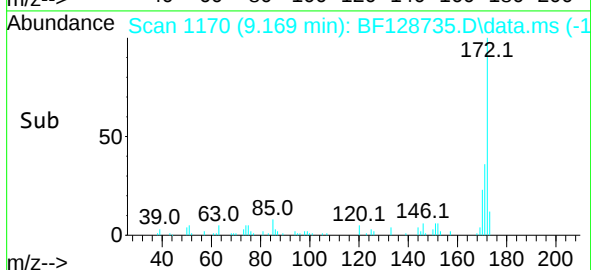
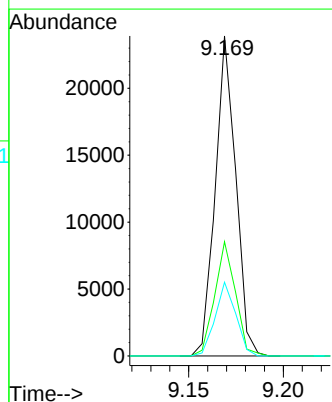
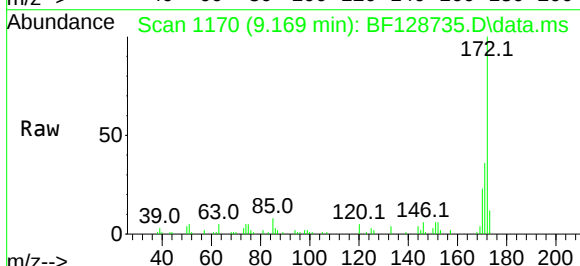
Manual Integrations  
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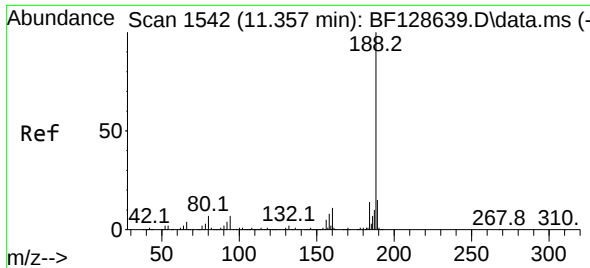
Reviewed By : Christian Giraldo 06/09/2022  
Supervised By : Jagrut Upadhyay 06/09/2022



#45  
2-Fluorobiphenyl  
Concen: 2.250 ng  
RT: 9.169 min Scan# 1170  
Delta R.T. -0.006 min  
Lab File: BF128735.D  
Acq: 08 Jun 2022 15:01

Tgt Ion: 172 Resp: 17981  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.8 43.2  
170 23.1 19.8 29.8





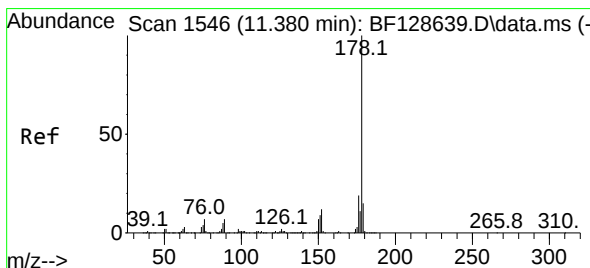
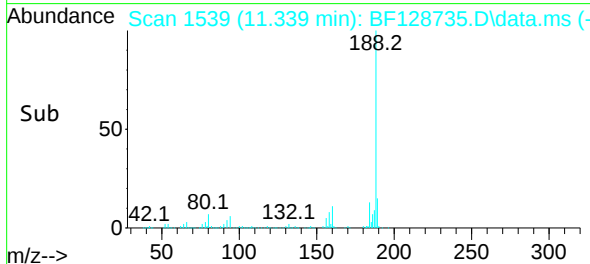
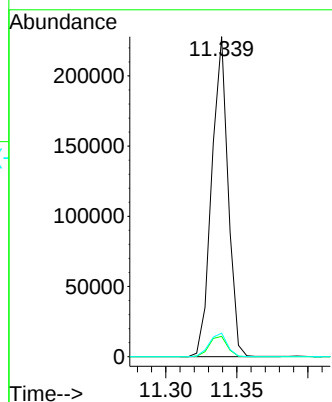
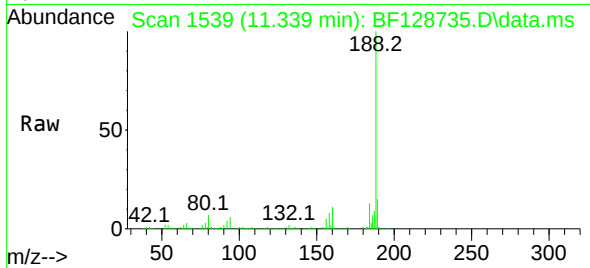
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.339 min Scan# 1539  
Delta R.T. -0.000 min  
Lab File: BF128735.D  
Acq: 08 Jun 2022 15:01

Instrument :  
BNA\_F  
ClientSampleId :  
SU-4-060322DL

Tgt Ion:188 Resp: 18215  
Ion Ratio Lower Upper  
188 100  
94 6.3 7.0 10.6  
80 7.4 7.6 11.4

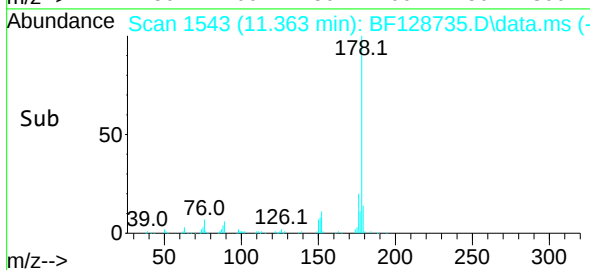
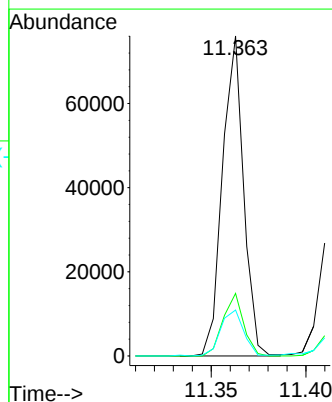
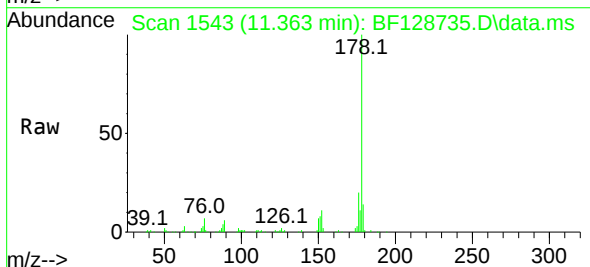
Manual Integrations  
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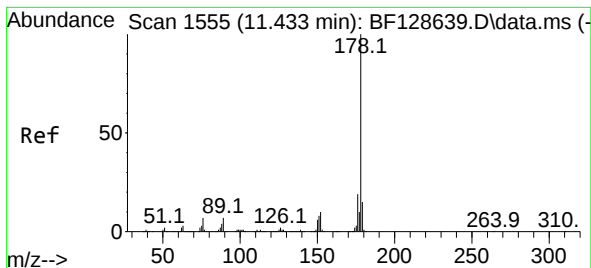
Reviewed By :Christian Giraldo 06/09/2022  
Supervised By :Jagrut Upadhyay 06/09/2022



#71  
Phenanthrene  
Concen: 6.464 ng  
RT: 11.363 min Scan# 1543  
Delta R.T. -0.006 min  
Lab File: BF128735.D  
Acq: 08 Jun 2022 15:01

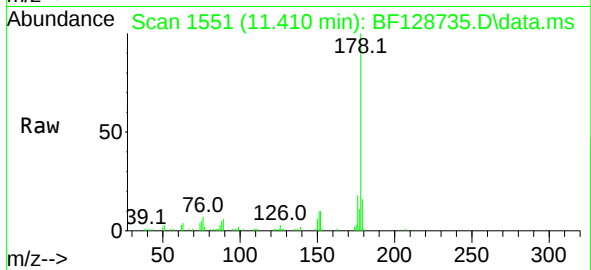
Tgt Ion:178 Resp: 59058  
Ion Ratio Lower Upper  
178 100  
176 19.6 16.0 24.0  
179 14.4 12.6 19.0





#72  
 Anthracene  
 Concen: 2.667 ng  
 RT: 11.410 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: BF128735.D  
 Acq: 08 Jun 2022 15:01

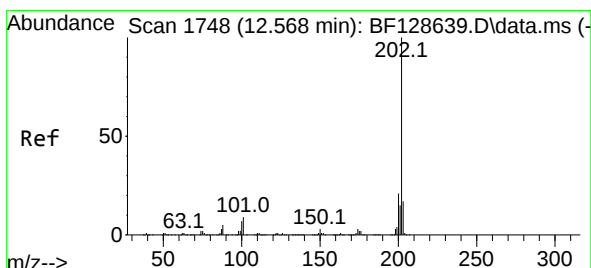
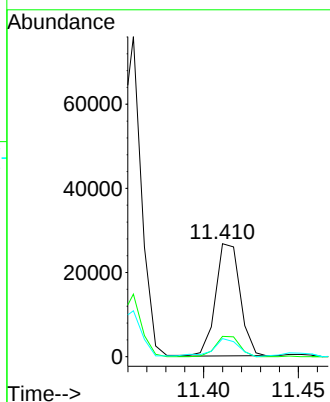
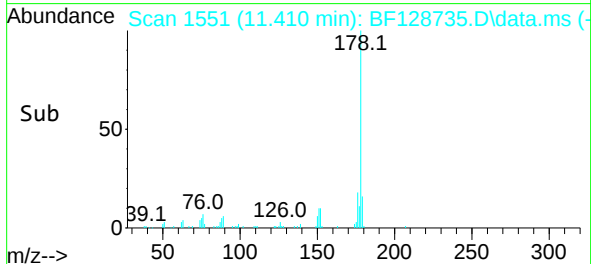
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-4-060322DL



Tgt Ion:178 Resp: 24110  
 Ion Ratio Lower Upper  
 178 100  
 176 18.0 15.4 23.2  
 179 16.0 12.6 19.0

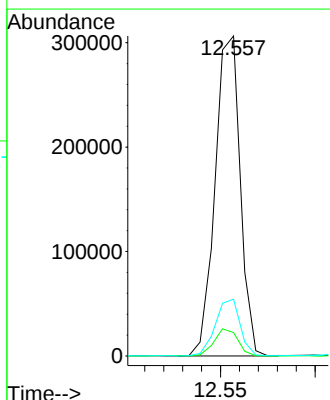
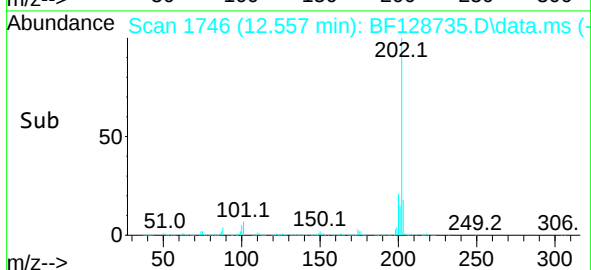
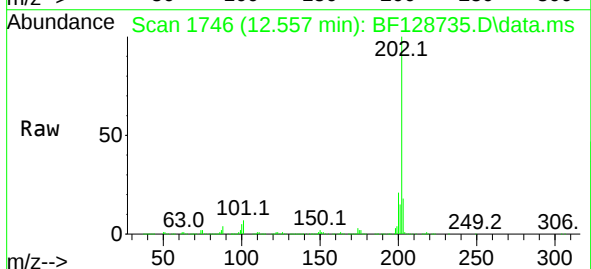
Manual Integrations  
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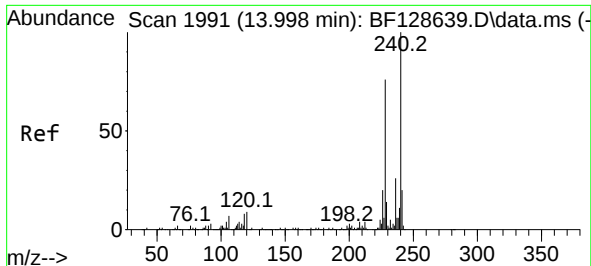
Reviewed By :Christian Giraldo 06/09/2022  
 Supervised By :Jagrut Upadhyay 06/09/2022



#75  
 Fluoranthene  
 Concen: 29.659 ng  
 RT: 12.557 min Scan# 1746  
 Delta R.T. -0.000 min  
 Lab File: BF128735.D  
 Acq: 08 Jun 2022 15:01

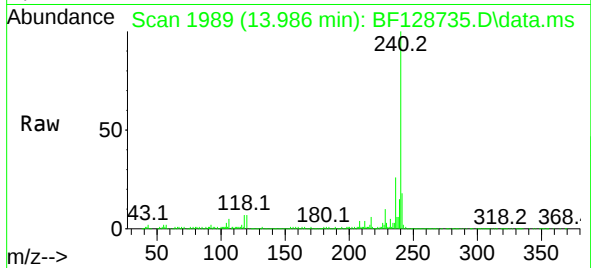
Tgt Ion:202 Resp: 283254  
 Ion Ratio Lower Upper  
 202 100  
 101 7.3 0.0 31.4  
 203 17.8 0.0 38.0





#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.986 min Scan# 1991  
Delta R.T. -0.000 min  
Lab File: BF128735.D  
Acq: 08 Jun 2022 15:01

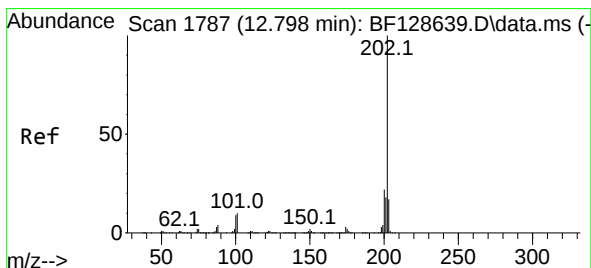
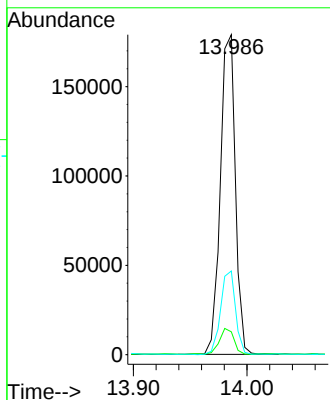
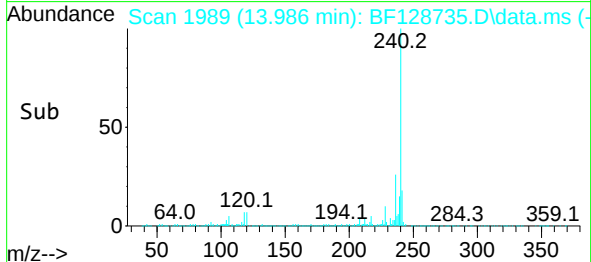
Instrument :  
BNA\_F  
ClientSampleId :  
SU-4-060322DL



Tgt Ion:240 Resp: 16516  
Ion Ratio Lower Upper  
240 100  
120 7.2 8.9 13.3  
236 26.2 20.8 31.2

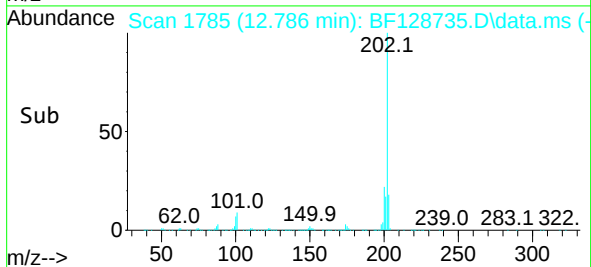
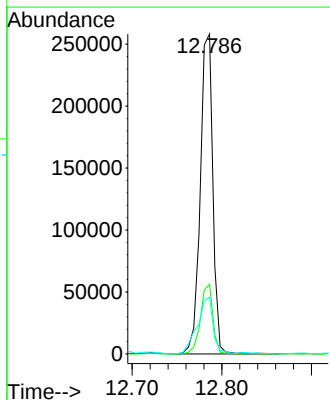
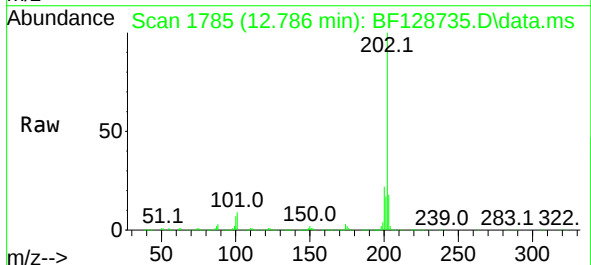
Manual Integrations  
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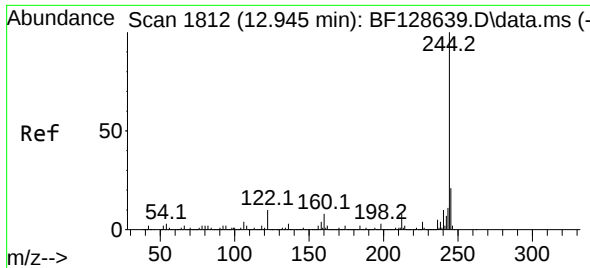
Reviewed By :Christian Giraldo 06/09/2022  
Supervised By :Jagrut Upadhyay 06/09/2022



#78  
Pyrene  
Concen: 20.538 ng  
RT: 12.786 min Scan# 1785  
Delta R.T. -0.000 min  
Lab File: BF128735.D  
Acq: 08 Jun 2022 15:01

Tgt Ion:202 Resp: 252375  
Ion Ratio Lower Upper  
202 100  
200 21.7 17.7 26.5  
203 17.7 14.6 21.8





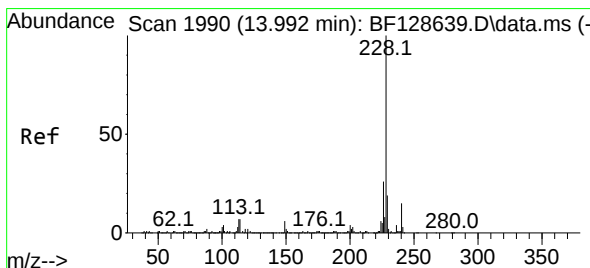
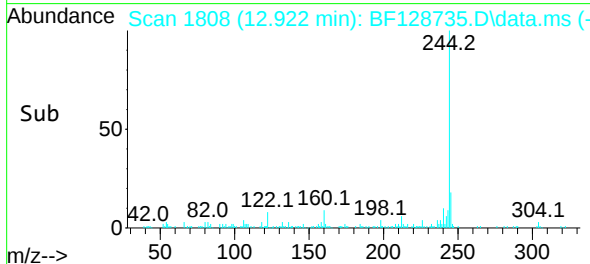
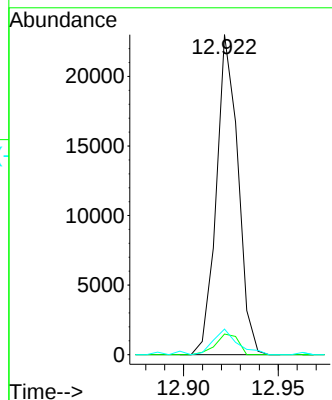
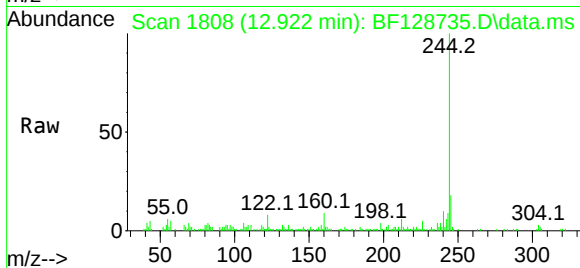
#79  
 Terphenyl-d14  
 Concen: 1.922 ng  
 RT: 12.922 min Scan# 1808  
 Delta R.T. -0.012 min  
 Lab File: BF128735.D  
 Acq: 08 Jun 2022 15:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-4-060322DL

Tgt Ion:244 Resp: 1826  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 6.1 9.1  
 122 8.0 8.8 13.2

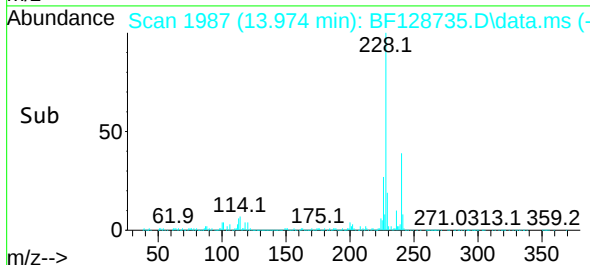
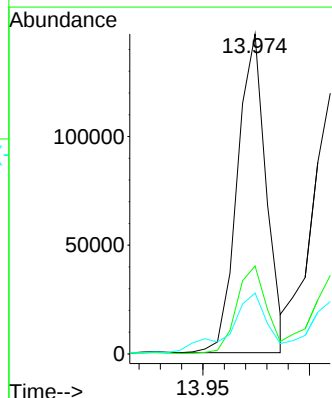
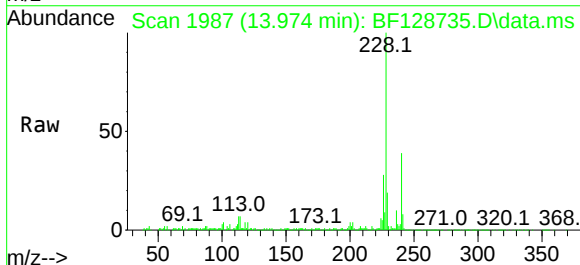
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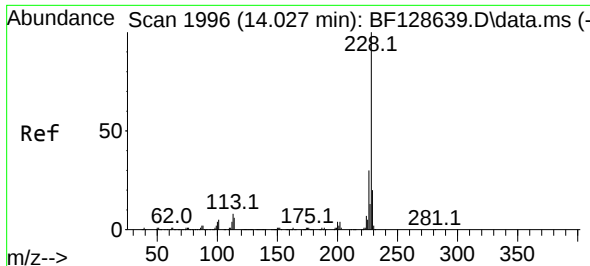
Reviewed By :Christian Giraldo 06/09/2022  
 Supervised By :Jagrut Upadhyay 06/09/2022



#81  
 Benzo(a)anthracene  
 Concen: 13.379 ng  
 RT: 13.974 min Scan# 1987  
 Delta R.T. -0.000 min  
 Lab File: BF128735.D  
 Acq: 08 Jun 2022 15:01

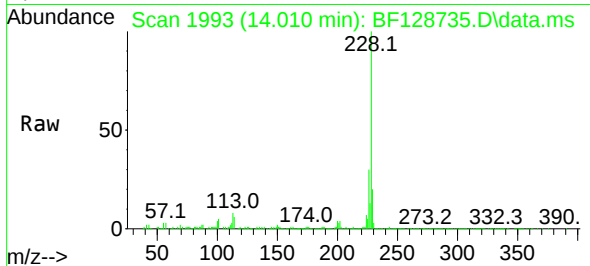
Tgt Ion:228 Resp: 137742  
 Ion Ratio Lower Upper  
 228 100  
 226 27.5 22.1 33.1  
 229 19.0 15.8 23.8





#83  
Chrysene  
Concen: 11.552 ng  
RT: 14.010 min Scan# 1996  
Delta R.T. -0.006 min  
Lab File: BF128735.D  
Acq: 08 Jun 2022 15:01

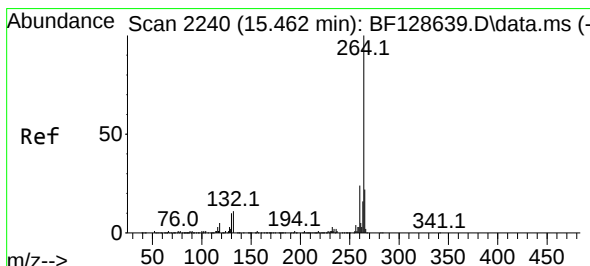
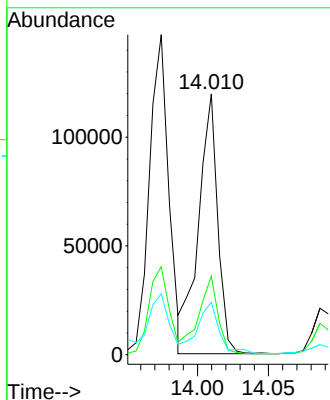
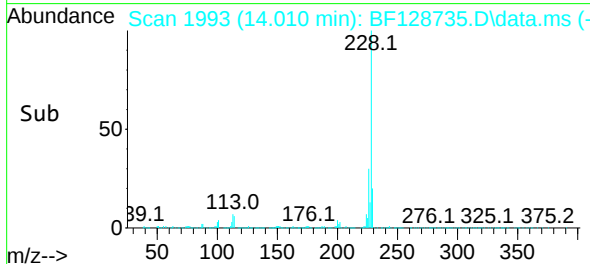
Instrument :  
BNA\_F  
ClientSampleId :  
SU-4-060322DL



Tgt Ion:228 Resp: 113384  
Ion Ratio Lower Upper  
228 100  
226 30.1 24.3 36.5  
229 20.1 15.9 23.9

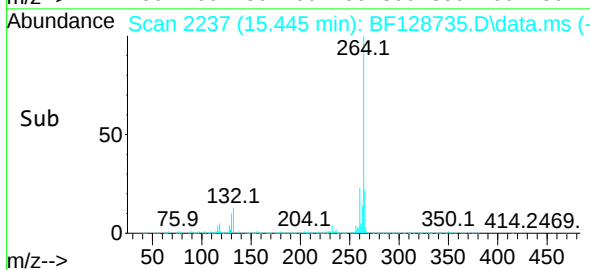
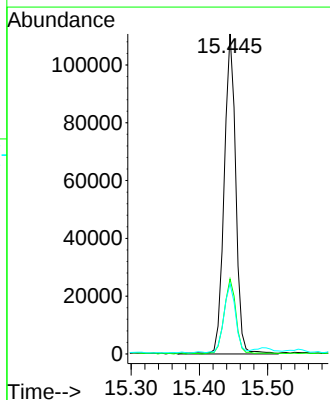
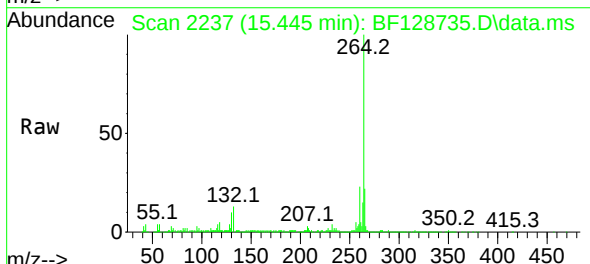
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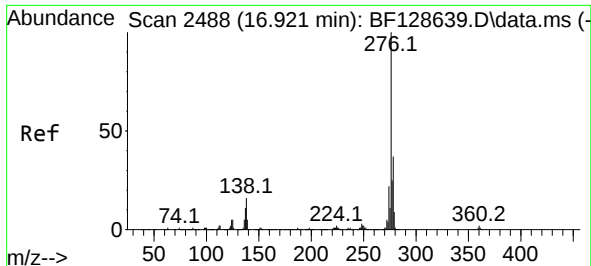
Reviewed By :Christian Giraldo 06/09/2022  
Supervised By :Jagrut Upadhyay 06/09/2022



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.445 min Scan# 2237  
Delta R.T. -0.000 min  
Lab File: BF128735.D  
Acq: 08 Jun 2022 15:01

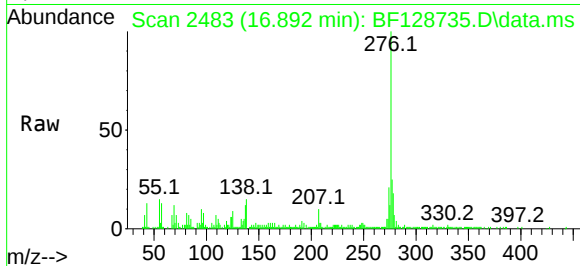
Tgt Ion:264 Resp: 130888  
Ion Ratio Lower Upper  
264 100  
260 23.4 18.4 27.6  
265 21.9 17.2 25.8





#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 6.825 ng  
 RT: 16.892 min Scan# 2488  
 Delta R.T. -0.006 min  
 Lab File: BF128735.D  
 Acq: 08 Jun 2022 15:01

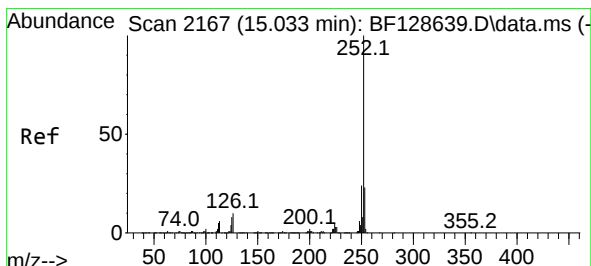
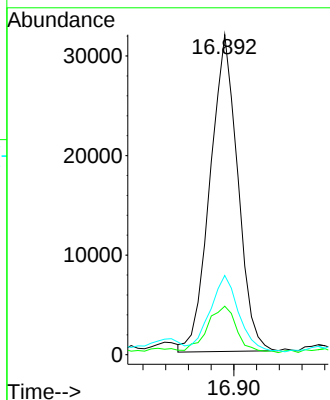
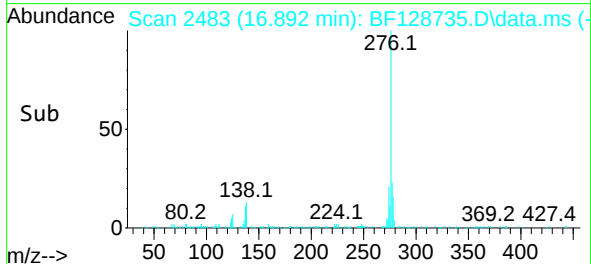
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-4-060322DL



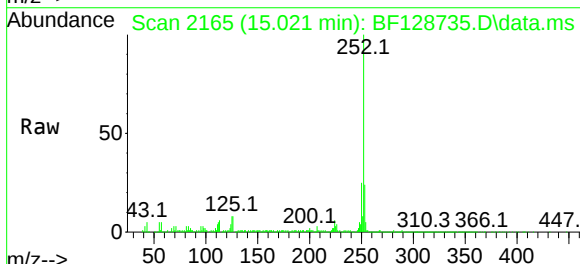
Tgt Ion: 276 Resp: 53844  
 Ion Ratio Lower Upper  
 276 100  
 138 15.7 21.1 31.7  
 277 25.3 20.3 30.5

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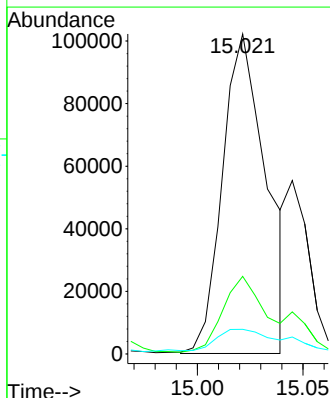
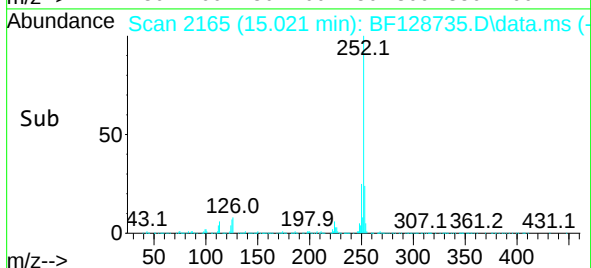
Reviewed By : Christian Giraldo 06/09/2022  
 Supervised By : Jagrut Upadhyay 06/09/2022

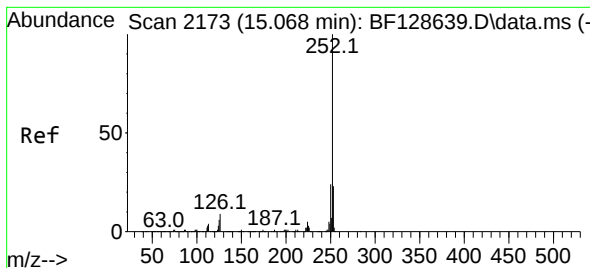


#88  
 Benzo(b)fluoranthene  
 Concen: 17.562 ng m  
 RT: 15.021 min Scan# 2165  
 Delta R.T. -0.000 min  
 Lab File: BF128735.D  
 Acq: 08 Jun 2022 15:01



Tgt Ion: 252 Resp: 146884  
 Ion Ratio Lower Upper  
 252 100  
 253 24.3 17.7 26.5  
 125 7.7 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 5.188 ng m

RT: 15.045 min Scan# 2173

Delta R.T. -0.006 min

Lab File: BF128735.D

Acq: 08 Jun 2022 15:01

Instrument :

BNA\_F

ClientSampleId :

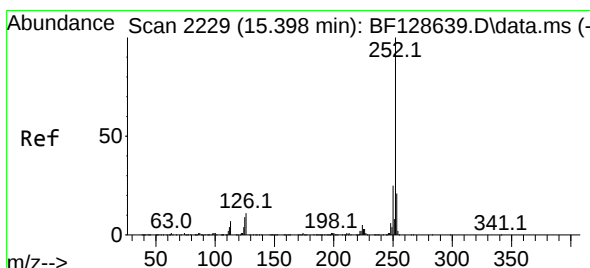
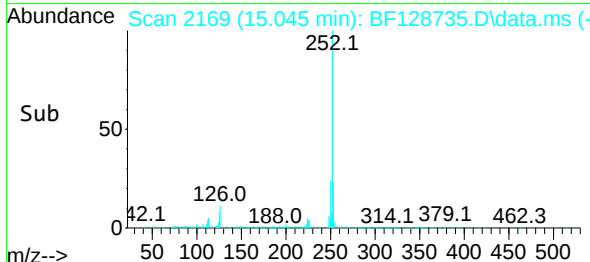
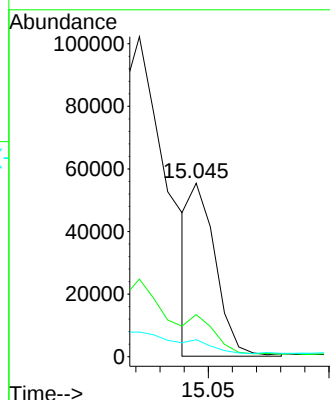
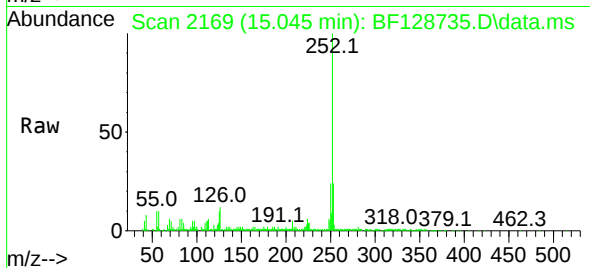
SU-4-060322DL

Tgt Ion:252 Resp: 40817  
 Ion Ratio Lower Upper  
 252 100  
 253 24.2 17.8 26.6  
 125 9.8 8.3 12.5

Manual Integrations

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 Supervised By :Jagrut Upadhyay 06/09/2022



#90

Benzo(a)pyrene

Concen: 14.975 ng m

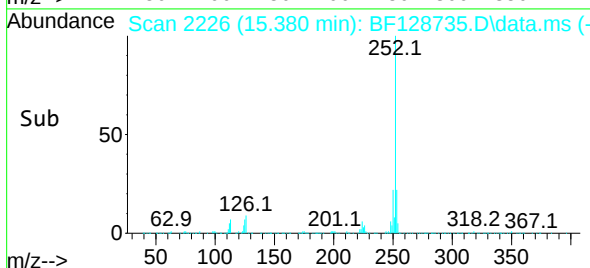
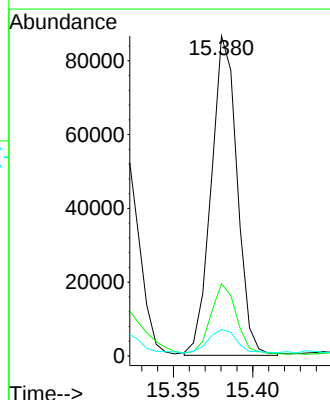
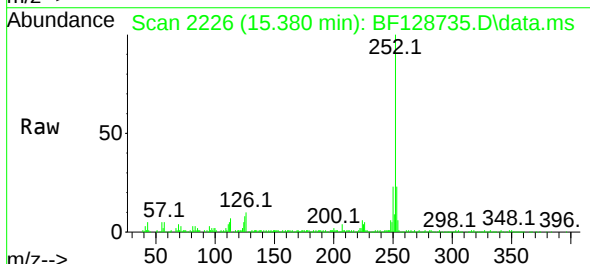
RT: 15.380 min Scan# 2226

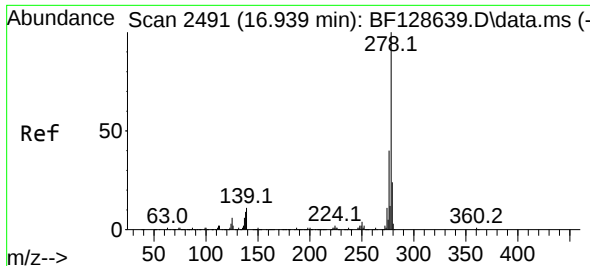
Delta R.T. -0.006 min

Lab File: BF128735.D

Acq: 08 Jun 2022 15:01

Tgt Ion:252 Resp: 98437  
 Ion Ratio Lower Upper  
 252 100  
 253 22.6 17.0 25.6  
 125 8.3 8.8 13.2#





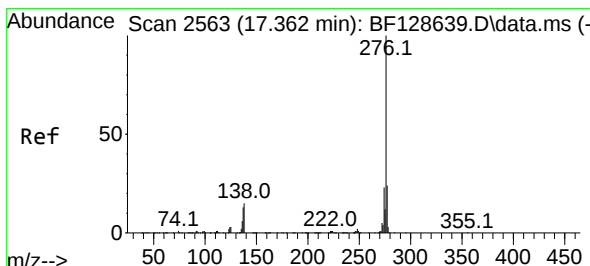
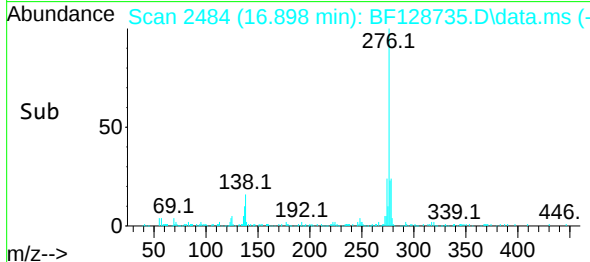
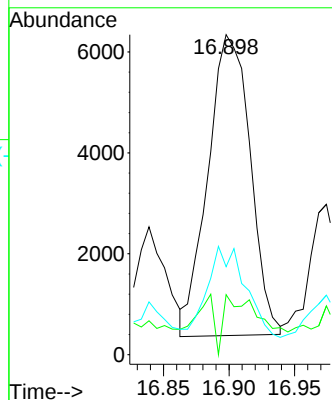
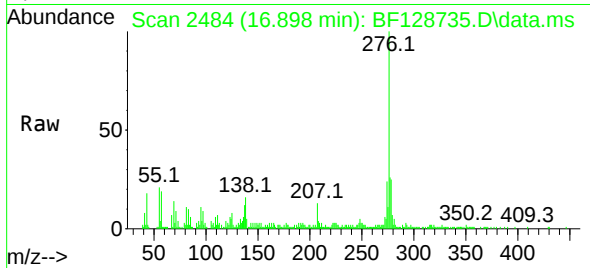
#91  
Dibenzo(a,h)anthracene  
Concen: 2.044 ng  
RT: 16.898 min Scan# 2491  
Delta R.T. -0.018 min  
Lab File: BF128735.D  
Acq: 08 Jun 2022 15:01

Instrument :  
BNA\_F  
ClientSampleId :  
SU-4-060322DL

Tgt Ion: 278 Resp: 1337  
Ion Ratio Lower Upper  
278 100  
139 18.7 12.8 19.2  
279 27.5 18.6 28.0

Manual Integrations  
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Supervised By : Jagrut Upadhyay 06/09/2022



#92  
Benzo(g,h,i)perylene  
Concen: 7.750 ng  
RT: 17.327 min Scan# 2557  
Delta R.T. -0.012 min  
Lab File: BF128735.D  
Acq: 08 Jun 2022 15:01

Tgt Ion: 276 Resp: 50259  
Ion Ratio Lower Upper  
276 100  
277 24.3 19.1 28.7  
138 19.4 18.0 27.0

