

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061522\  
 Data File : BF128829.D  
 Acq On : 15 Jun 2022 16:52  
 Operator : CG\JU  
 Sample : N3347-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-061422

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 06/16/2022  
 Supervised By :mohammad ahmed 06/22/2022

Quant Time: Jun 16 03:57:28 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 14 14:53:53 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.781  | 152  | 75308    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.063  | 136  | 261020   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.822  | 164  | 126777   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.310 | 188  | 225420   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.963 | 240  | 160791   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12            | 15.427 | 264  | 119002   | 20.000 | ng    | 0.01     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.416  | 112  | 357896   | 75.698 | ng    | 0.00     |
| 7) Phenol-d6                | 6.434  | 99   | 440590   | 76.342 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.345  | 82   | 288358   | 51.435 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.616 | 330  | 99889    | 66.685 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.145  | 172  | 541400   | 59.821 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.904 | 244  | 556561   | 60.146 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 49) Acenaphthylene          | 9.681  | 152  | 50614    | 4.555  | ng    | 100      |
| 71) Phenanthrene            | 11.333 | 178  | 140155   | 12.396 | ng    | 99       |
| 72) Anthracene              | 11.386 | 178  | 51502    | 4.602  | ng    | 97       |
| 75) Fluoranthene            | 12.533 | 202  | 496536   | 42.013 | ng    | 95       |
| 78) Pyrene                  | 12.763 | 202  | 499762   | 41.776 | ng    | 97       |
| 81) Benzo(a)anthracene      | 13.951 | 228  | 313099   | 31.239 | ng    | 97       |
| 83) Chrysene                | 13.992 | 228  | 280652   | 29.371 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene  | 16.880 | 276  | 160981m  | 22.444 | ng    |          |
| 88) Benzo(b)fluoranthene    | 15.004 | 252  | 392419m  | 51.606 | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.027 | 252  | 105915m  | 14.807 | ng    |          |
| 90) Benzo(a)pyrene          | 15.368 | 252  | 254118m  | 42.519 | ng    |          |
| 91) Dibenzo(a,h)anthracene  | 16.886 | 278  | 40976    | 6.887  | ng    | # 85     |
| 92) Benzo(g,h,i)perylene    | 17.327 | 276  | 161550   | 27.398 | ng    | # 90     |
| -----                       |        |      |          |        |       |          |

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

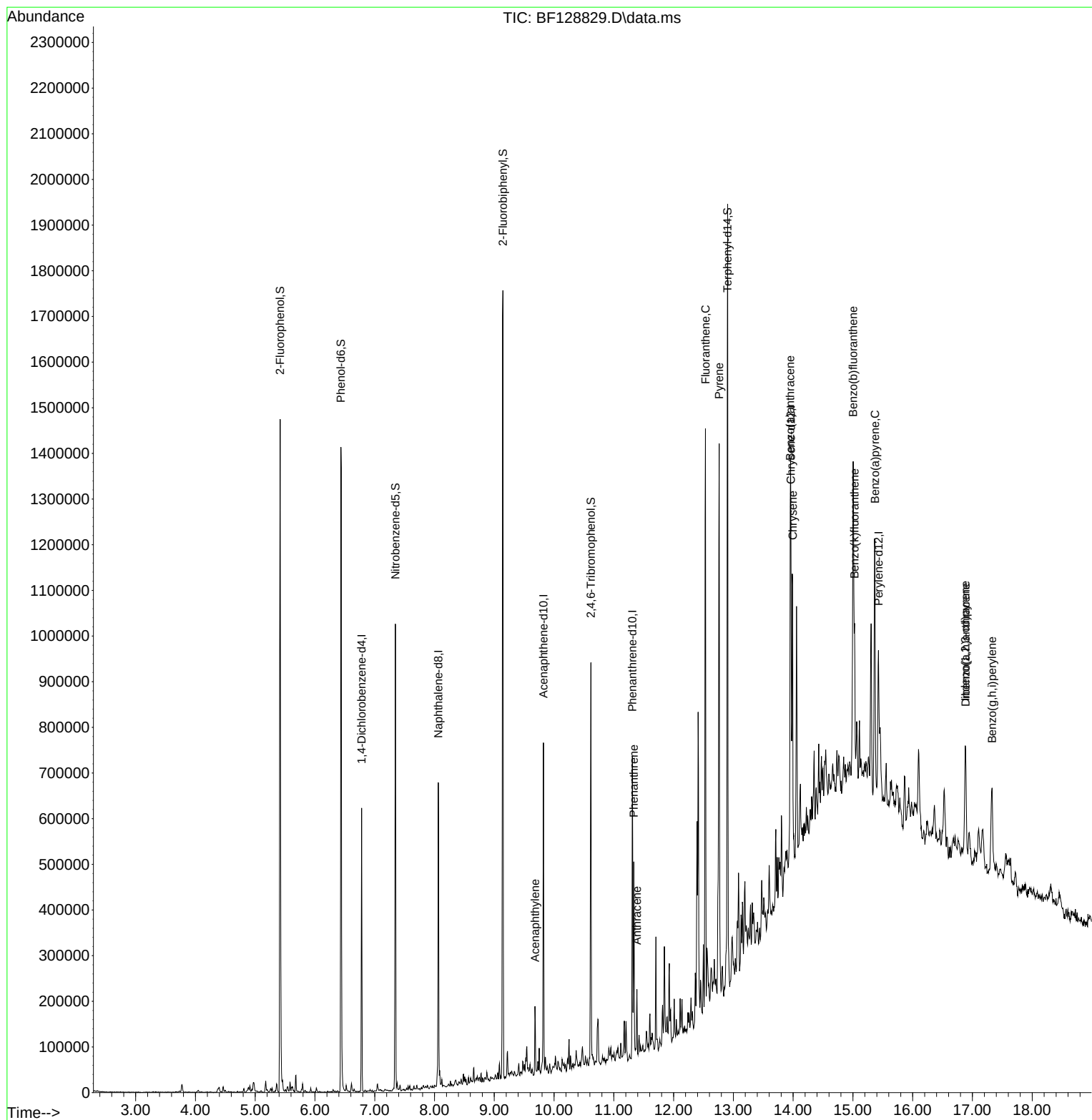
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061522\  
Data File : BF128829.D  
Acq On : 15 Jun 2022 16:52  
Operator : CG\JU  
Sample : N3347-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

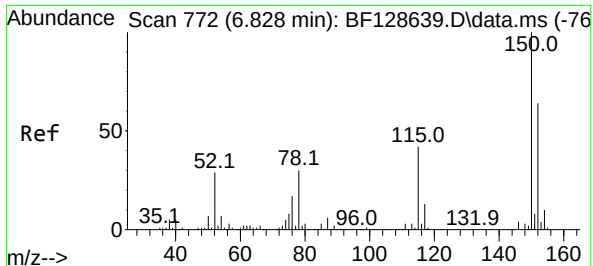
Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-061422

Manual Integrations  
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Supervised By :mohammad ahmed 06/22/2022

Quant Time: Jun 16 03:57:28 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 14 14:53:53 2022  
Response via : Initial Calibration





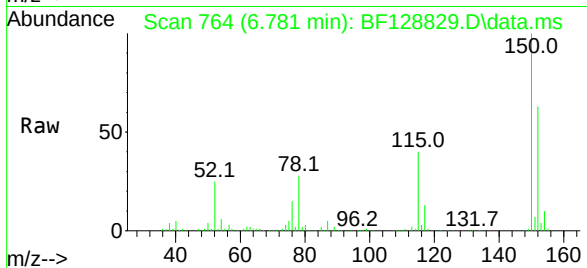
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.781 min Scan# 70  
Delta R.T. -0.000 min  
Lab File: BF128829.D  
Acq: 15 Jun 2022 16:52

Instrument :

BNA\_F

ClientSampleId :

CL-02-061422

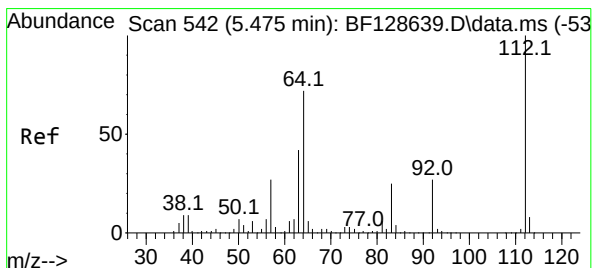
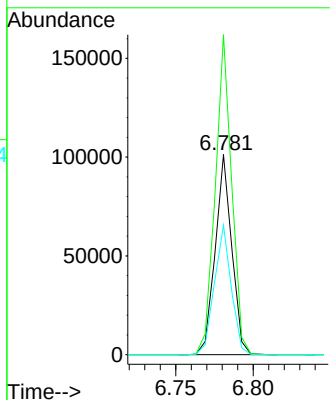
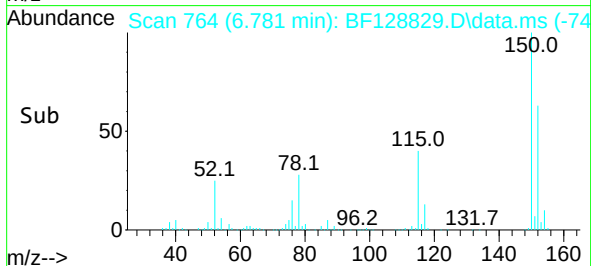


Tgt Ion:152 Resp: 75308  
Ion Ratio Lower Upper  
152 100  
150 159.9 123.7 185.5  
115 64.7 49.9 74.9

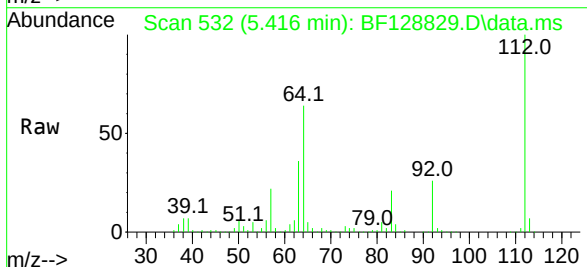
Manual Integrations

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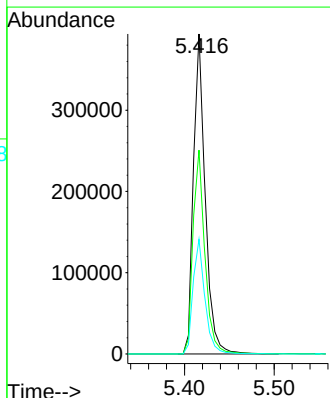
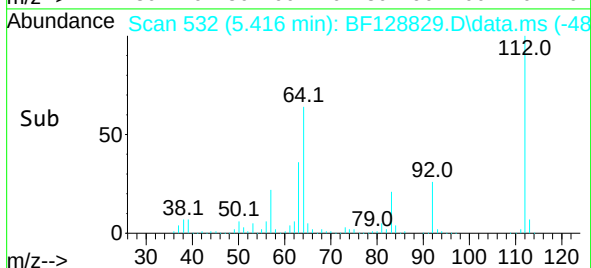
Reviewed By :Jagrut Upadhyay 06/16/2022  
Supervised By :mohammad ahmed 06/22/2022

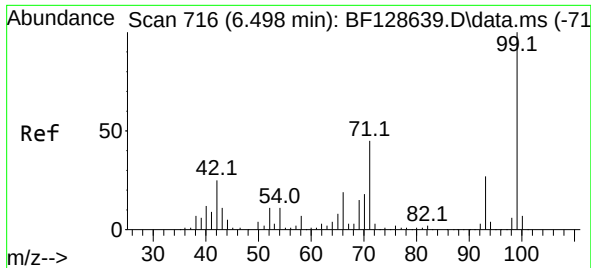


#5  
2-Fluorophenol  
Concen: 75.698 ng  
RT: 5.416 min Scan# 532  
Delta R.T. 0.000 min  
Lab File: BF128829.D  
Acq: 15 Jun 2022 16:52



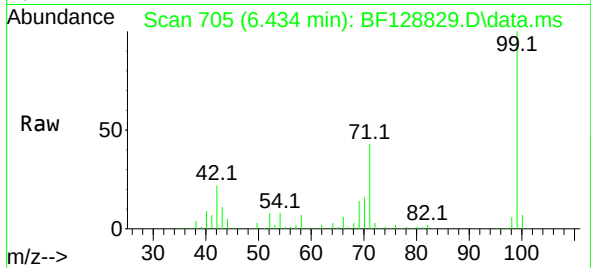
Tgt Ion:112 Resp: 357896  
Ion Ratio Lower Upper  
112 100  
64 63.7 53.3 79.9  
63 35.8 28.0 42.0





#7  
Phenol-d6  
Concen: 76.342 ng  
RT: 6.434 min Scan# 705  
Delta R.T. -0.006 min  
Lab File: BF128829.D  
Acq: 15 Jun 2022 16:52

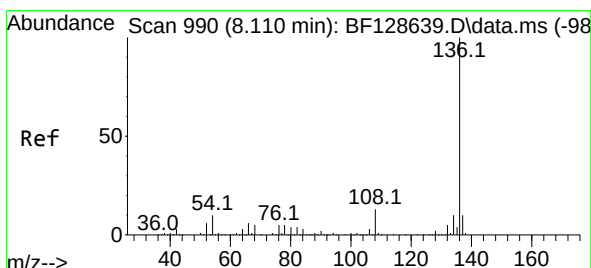
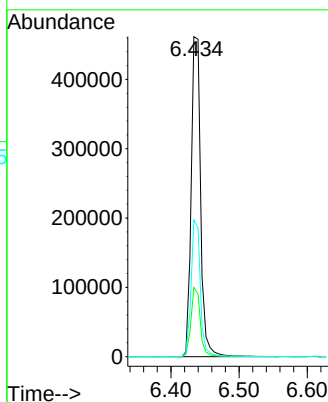
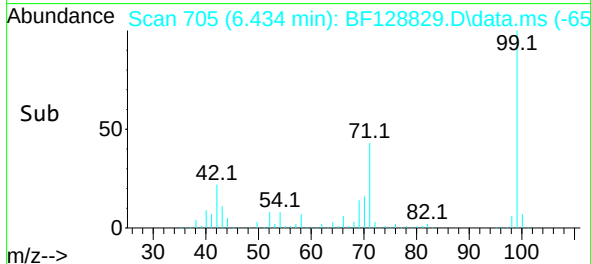
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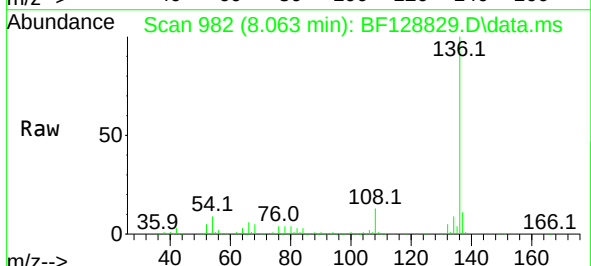
Tgt Ion: 99 Resp: 440590  
Ion Ratio Lower Upper  
99 100  
42 21.6 17.3 25.9  
71 42.7 28.9 43.3

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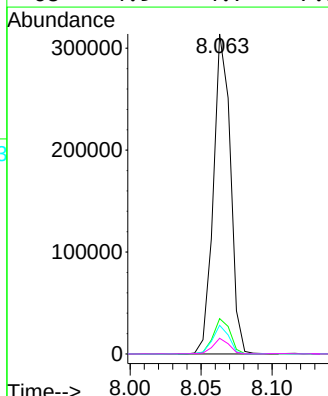
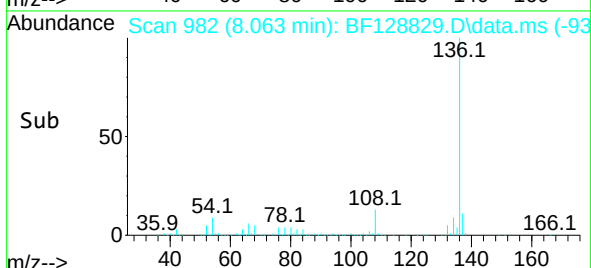
Reviewed By :Jagrut Upadhyay 06/16/2022  
Supervised By :mohammad ahmed 06/22/2022

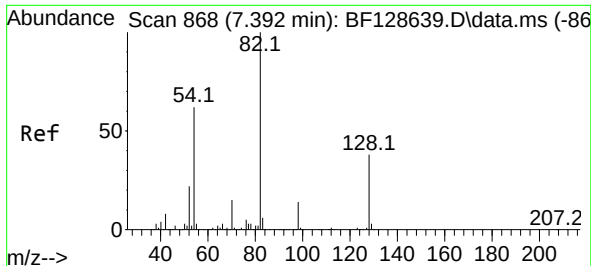


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.063 min Scan# 982  
Delta R.T. -0.006 min  
Lab File: BF128829.D  
Acq: 15 Jun 2022 16:52



Tgt Ion:136 Resp: 261020  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.8 13.2  
54 9.0 7.5 11.3  
68 4.9 4.7 7.1





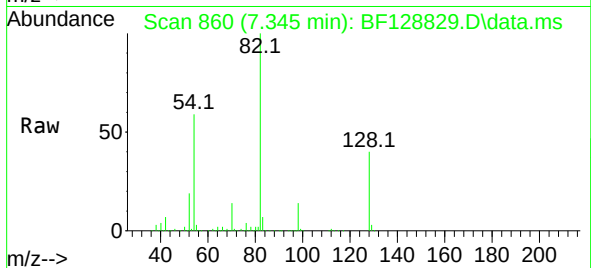
#23  
Nitrobenzene-d5  
Concen: 51.435 ng  
RT: 7.345 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF128829.D  
Acq: 15 Jun 2022 16:52

Instrument :

BNA\_F

ClientSampleId :

CL-02-061422

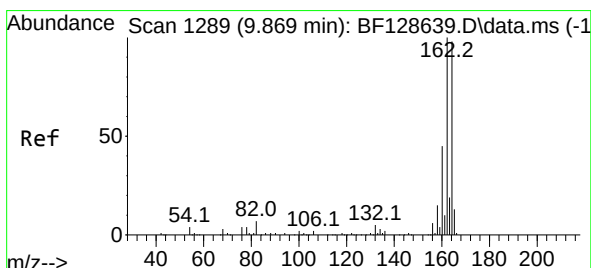
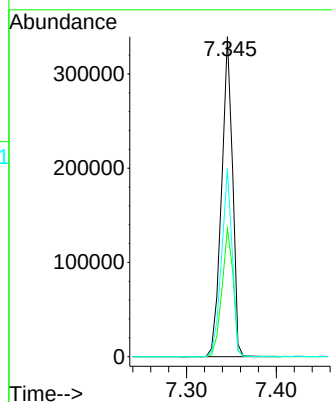
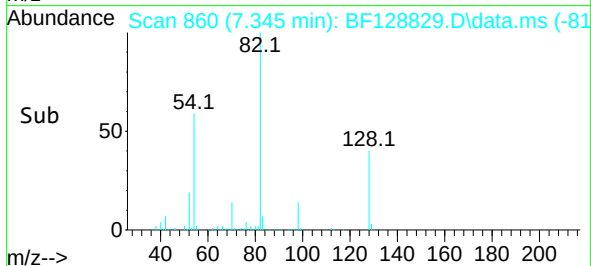


Tgt Ion: 82 Resp: 288358  
Ion Ratio Lower Upper  
82 100  
128 40.0 34.0 51.0  
54 58.7 46.9 70.3

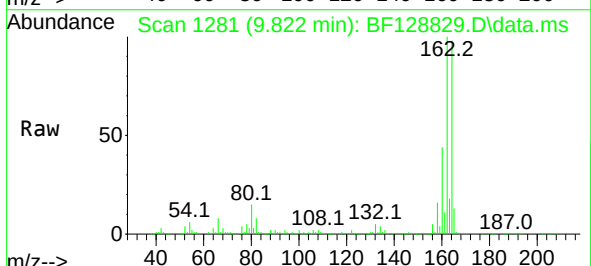
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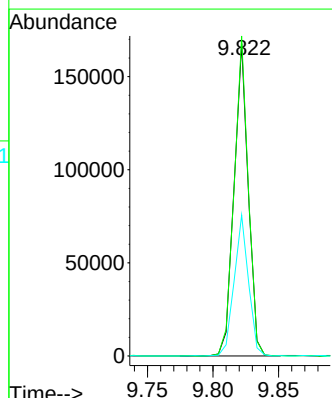
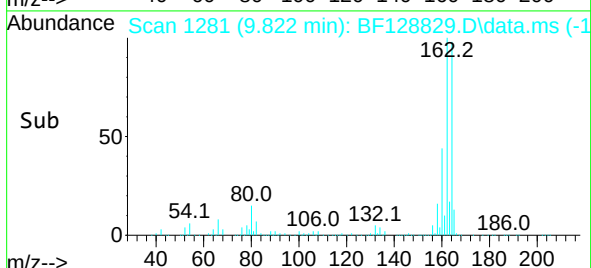
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Supervised By :mohammad ahmed 06/22/2022

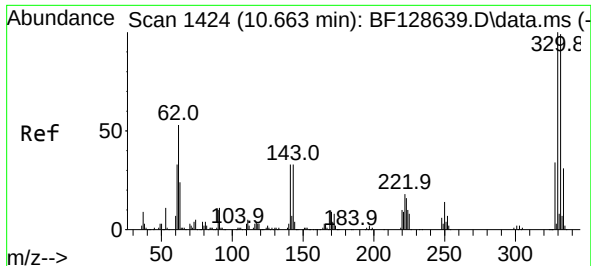


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.822 min Scan# 1281  
Delta R.T. -0.006 min  
Lab File: BF128829.D  
Acq: 15 Jun 2022 16:52



Tgt Ion:164 Resp: 126777  
Ion Ratio Lower Upper  
164 100  
162 102.4 79.5 119.3  
160 45.1 34.2 51.4





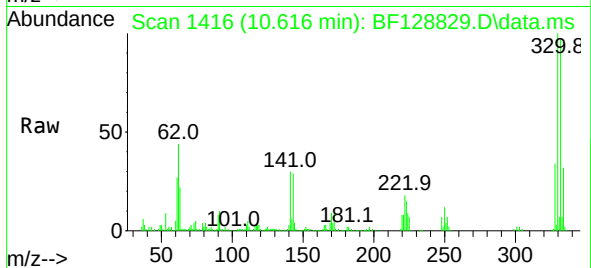
#42  
2,4,6-Tribromophenol  
Concen: 66.685 ng  
RT: 10.616 min Scan# 1424  
Delta R.T. -0.006 min  
Lab File: BF128829.D  
Acq: 15 Jun 2022 16:52

Instrument :

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CL-02-061422

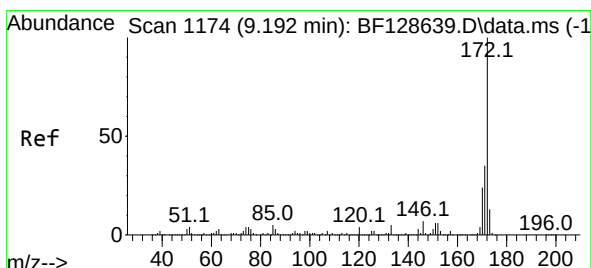
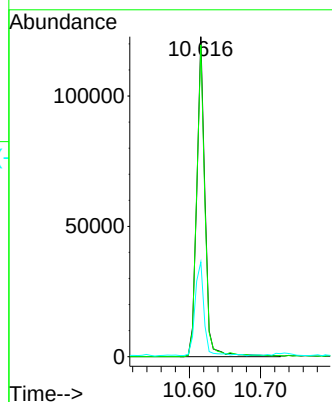
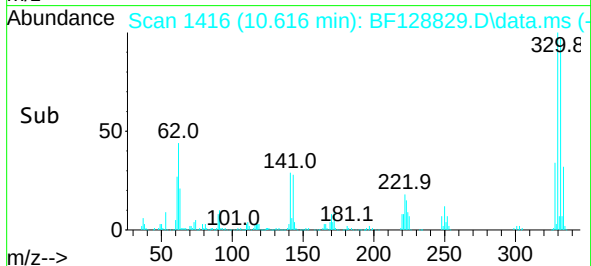


Tgt Ion:330 Resp: 99889  
Ion Ratio Lower Upper  
330 100  
332 97.7 76.8 115.2  
141 31.9 28.0 42.0

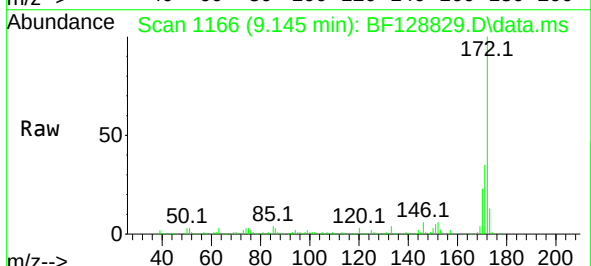
Manual Integrations

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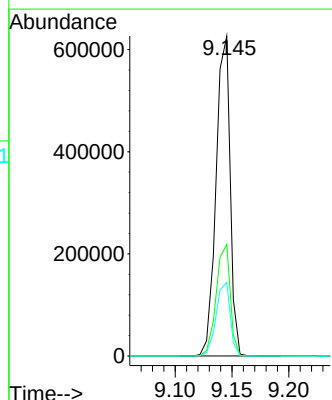
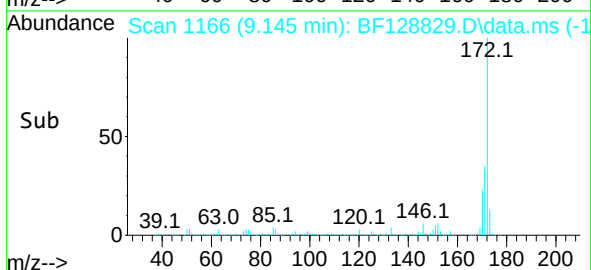
Reviewed By :Jagrut Upadhyay 06/16/2022  
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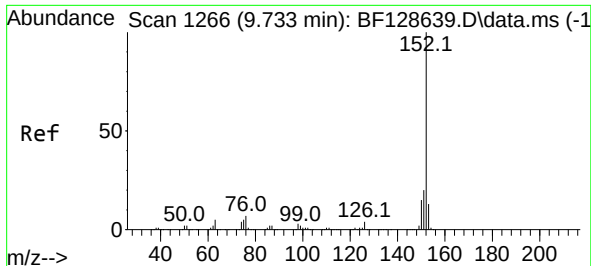


#45  
2-Fluorobiphenyl  
Concen: 59.821 ng  
RT: 9.145 min Scan# 1166  
Delta R.T. 0.000 min  
Lab File: BF128829.D  
Acq: 15 Jun 2022 16:52



Tgt Ion:172 Resp: 541400  
Ion Ratio Lower Upper  
172 100  
171 34.9 28.8 43.2  
170 22.9 19.8 29.8





#49  
Acenaphthylene  
Concen: 4.555 ng  
RT: 9.681 min Scan# 1534  
Delta R.T. -0.006 min  
Lab File: BF128829.D  
Acq: 15 Jun 2022 16:52

Instrument :

BNA\_F

ClientSampleId :

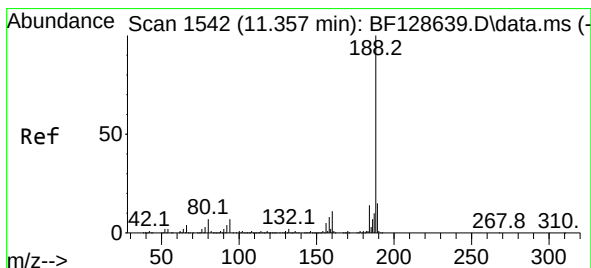
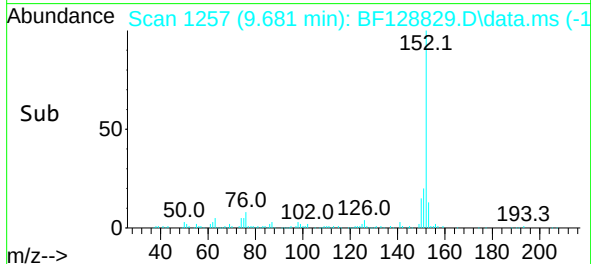
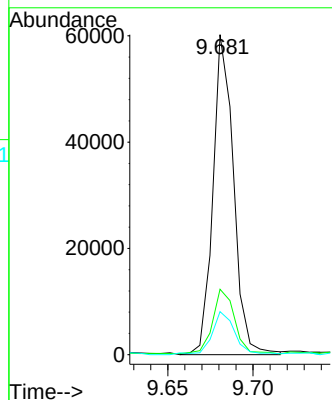
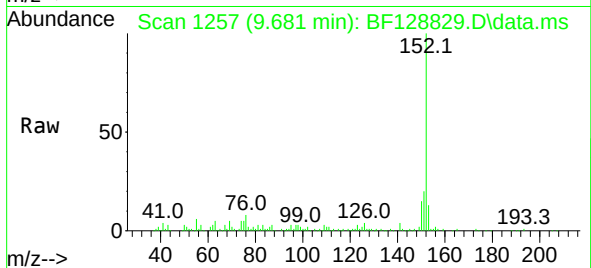
CL-02-061422

Tgt Ion:152 Resp: 50614  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.2 24.4  
153 13.4 10.7 16.1

Manual Integrations

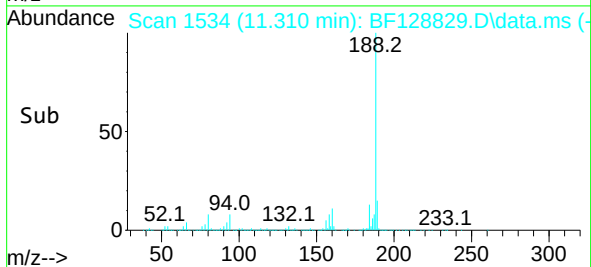
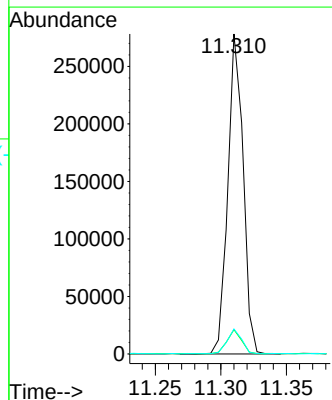
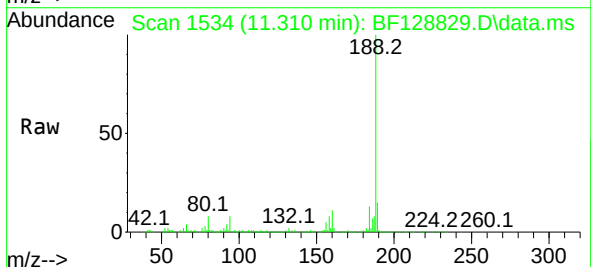
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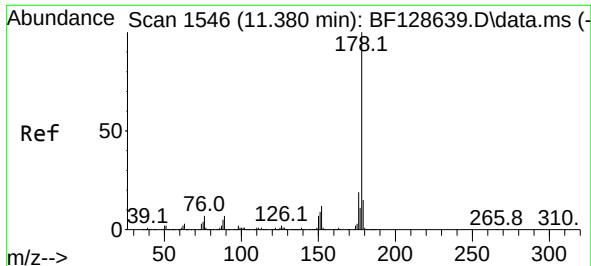
Reviewed By :Jagrut Upadhyay 06/16/2022  
Supervised By :mohammad ahmed 06/22/2022



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.310 min Scan# 1534  
Delta R.T. -0.006 min  
Lab File: BF128829.D  
Acq: 15 Jun 2022 16:52

Tgt Ion:188 Resp: 225420  
Ion Ratio Lower Upper  
188 100  
94 7.6 7.0 10.6  
80 7.8 7.6 11.4





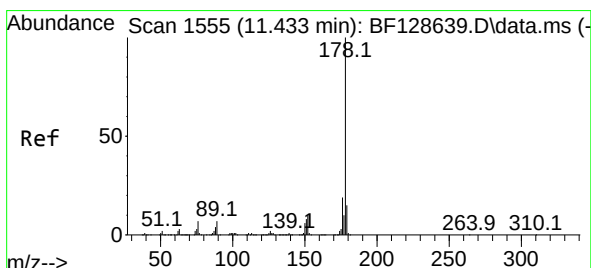
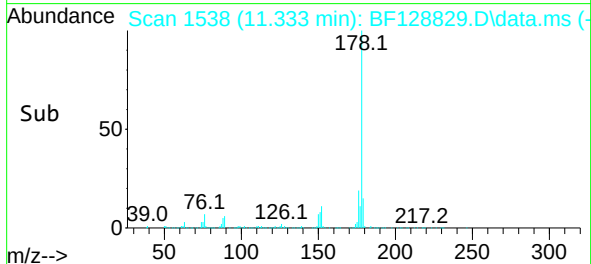
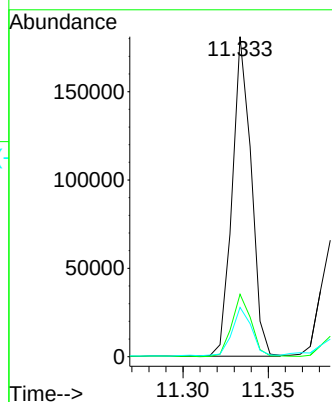
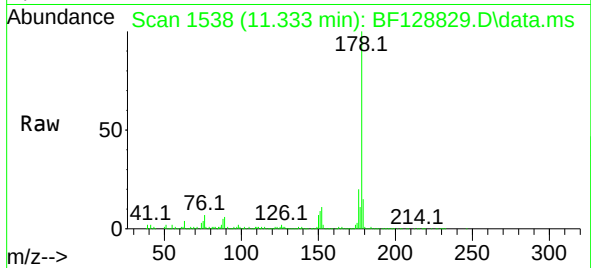
#71  
Phenanthrene  
Concen: 12.396 ng  
RT: 11.333 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF128829.D  
Acq: 15 Jun 2022 16:52

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-061422

Tgt Ion:178 Resp: 14015  
Ion Ratio Lower Upper  
178 100  
176 19.5 16.0 24.0  
179 15.4 12.6 19.0

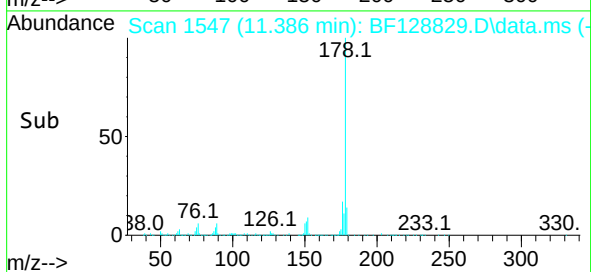
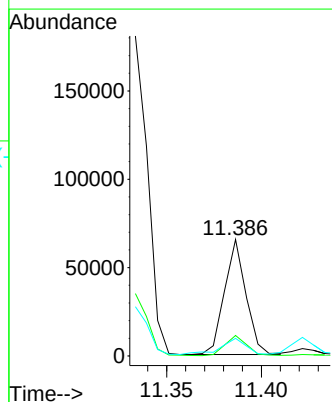
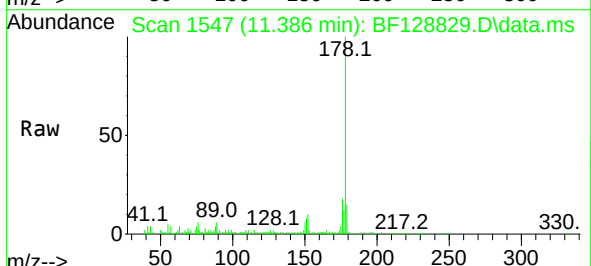
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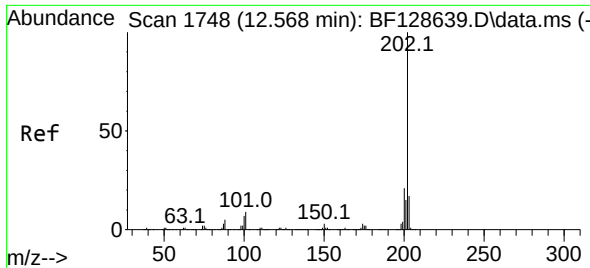


#72  
Anthracene  
Concen: 4.602 ng  
RT: 11.386 min Scan# 1547  
Delta R.T. -0.006 min  
Lab File: BF128829.D  
Acq: 15 Jun 2022 16:52

Tgt Ion:178 Resp: 51502  
Ion Ratio Lower Upper  
178 100  
176 17.6 15.4 23.2  
179 15.1 12.6 19.0

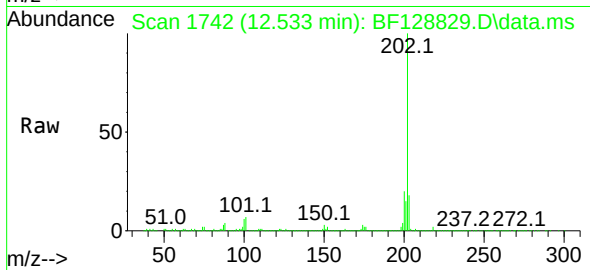






#75  
Fluoranthene  
Concen: 42.013 ng  
RT: 12.533 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF128829.D  
Acq: 15 Jun 2022 16:52

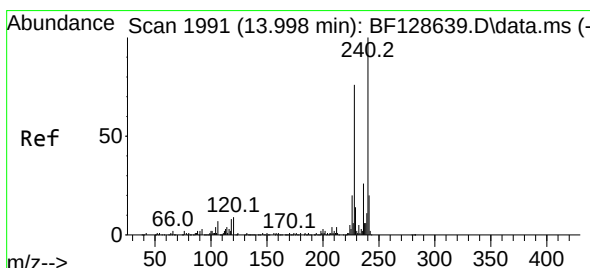
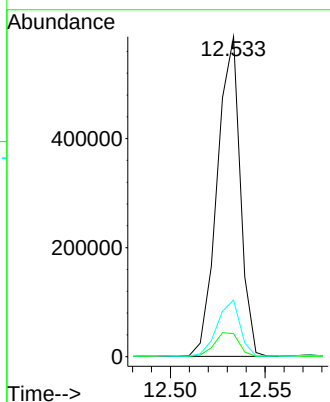
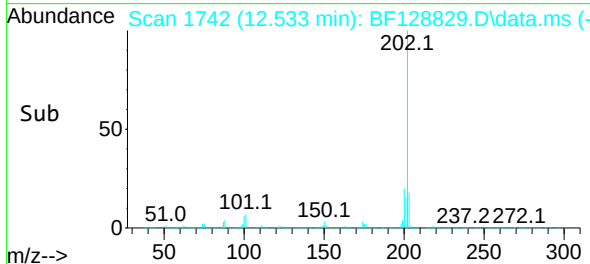
Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-061422



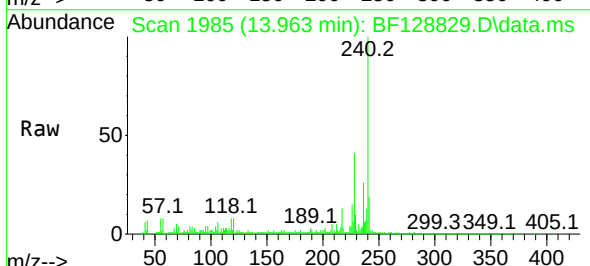
Tgt Ion:202 Resp: 496530  
Ion Ratio Lower Upper  
202 100  
101 7.2 0.0 31.4  
203 17.7 0.0 38.0

Manual Integrations  
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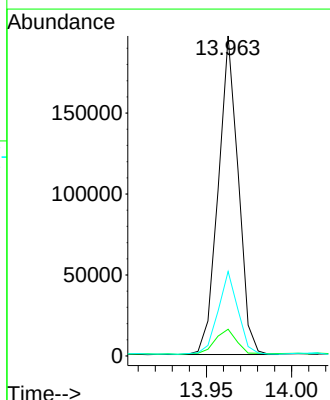
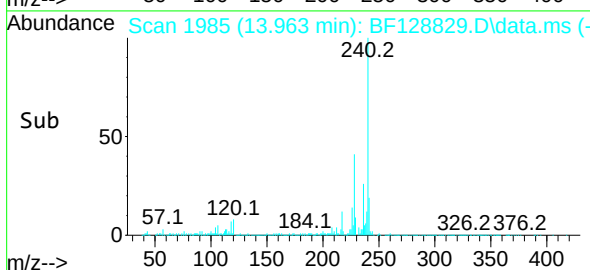
Reviewed By :Jagrut Upadhyay 06/16/2022  
Supervised By :mohammad ahmed 06/22/2022

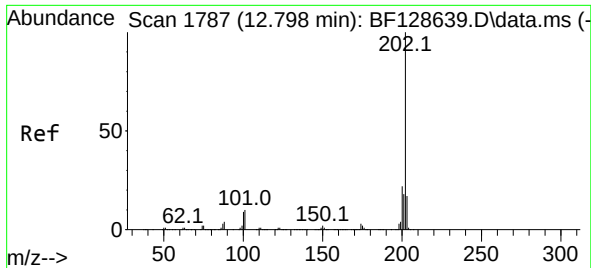


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.963 min Scan# 1985  
Delta R.T. 0.000 min  
Lab File: BF128829.D  
Acq: 15 Jun 2022 16:52



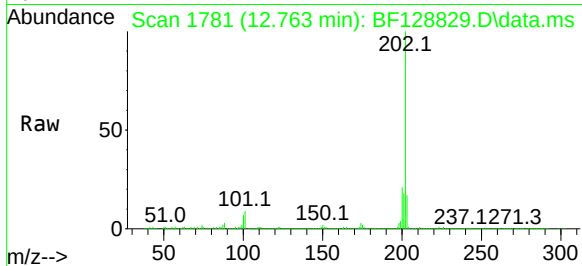
Tgt Ion:240 Resp: 160791  
Ion Ratio Lower Upper  
240 100  
120 8.3 8.9 13.3#  
236 26.4 20.8 31.2





#78  
Pyrene  
Concen: 41.776 ng  
RT: 12.763 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF128829.D  
Acq: 15 Jun 2022 16:52

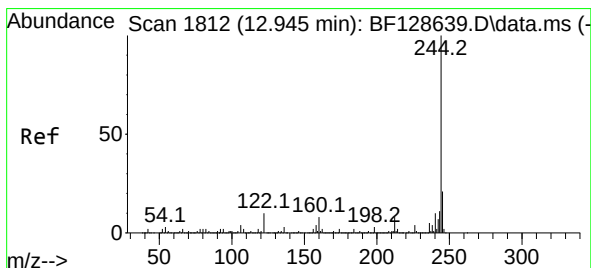
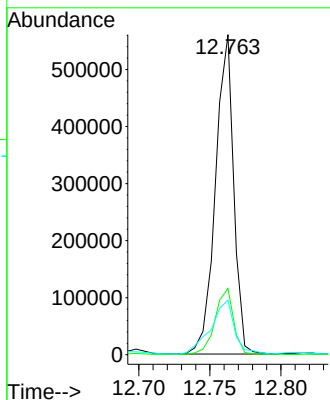
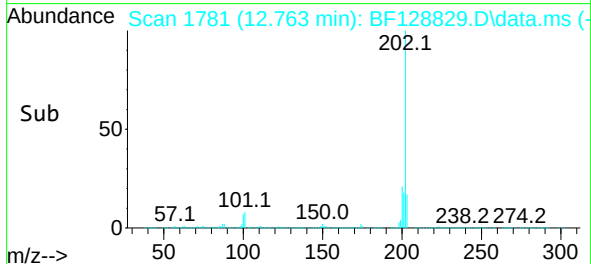
Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-061422



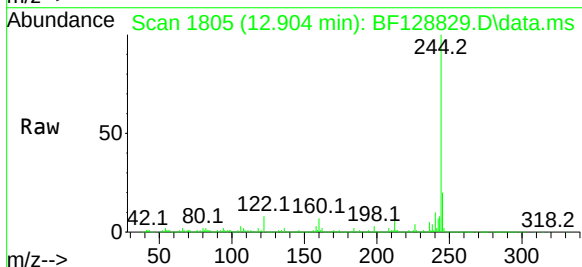
Tgt Ion:202 Resp: 499762  
Ion Ratio Lower Upper  
202 100  
200 20.7 17.7 26.5  
203 17.1 14.6 21.8

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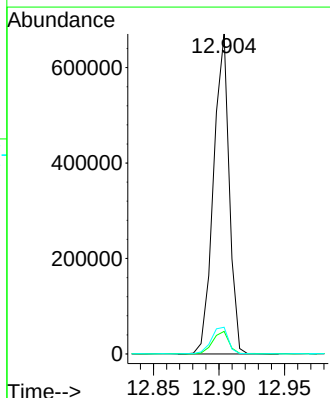
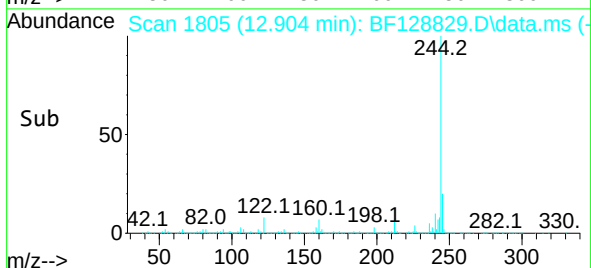
Reviewed By :Jagrut Upadhyay 06/16/2022  
Supervised By :mohammad ahmed 06/22/2022

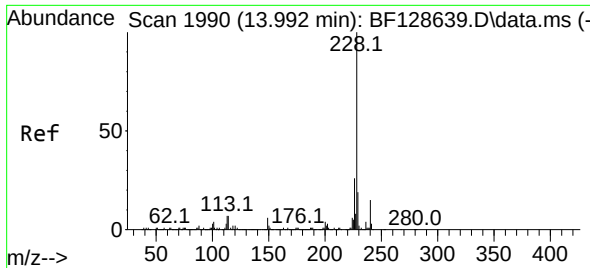


#79  
Terphenyl-d14  
Concen: 60.146 ng  
RT: 12.904 min Scan# 1805  
Delta R.T. 0.000 min  
Lab File: BF128829.D  
Acq: 15 Jun 2022 16:52



Tgt Ion:244 Resp: 556561  
Ion Ratio Lower Upper  
244 100  
212 7.1 6.1 9.1  
122 8.3 8.8 13.2#





#81  
Benzo(a)anthracene  
Concen: 31.239 ng  
RT: 13.951 min Scan# 1983  
Delta R.T. 0.000 min  
Lab File: BF128829.D  
Acq: 15 Jun 2022 16:52

Instrument :

BNA\_F

ClientSampleId :

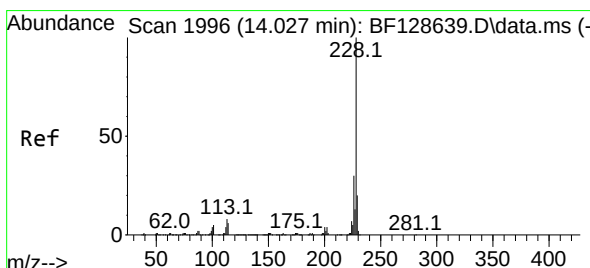
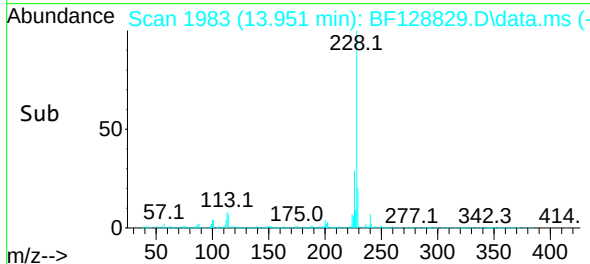
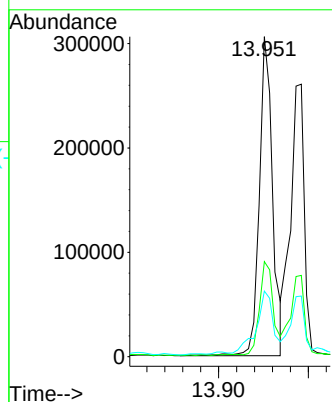
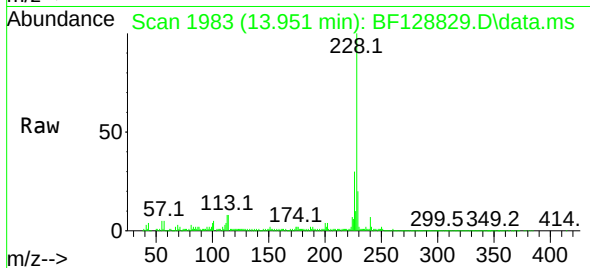
CL-02-061422

Tgt Ion:228 Resp: 313099  
Ion Ratio Lower Upper  
228 100  
226 29.7 22.1 33.1  
229 20.5 15.8 23.8

Manual Integrations

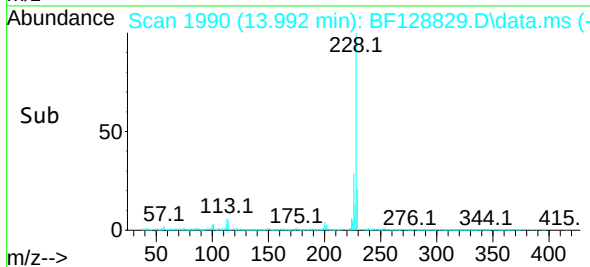
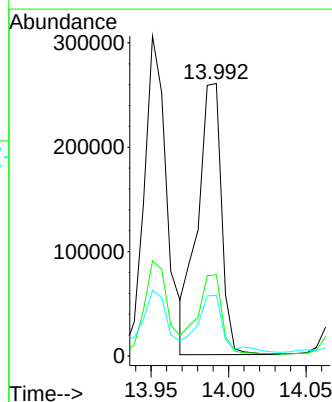
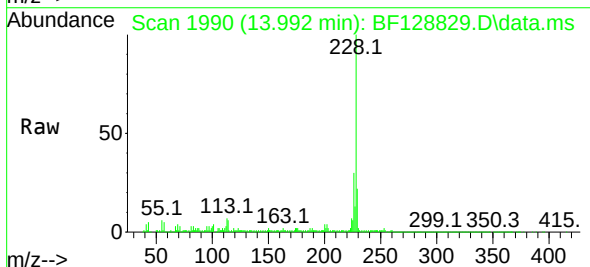
APPROVED

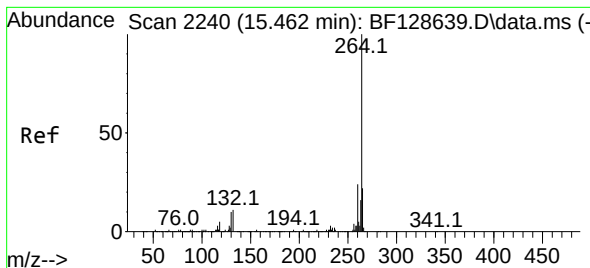
Reviewed By :Jagrut Upadhyay 06/16/2022  
Supervised By :mohammad ahmed 06/22/2022



#83  
Chrysene  
Concen: 29.371 ng  
RT: 13.992 min Scan# 1990  
Delta R.T. 0.000 min  
Lab File: BF128829.D  
Acq: 15 Jun 2022 16:52

Tgt Ion:228 Resp: 280652  
Ion Ratio Lower Upper  
228 100  
226 29.8 24.3 36.5  
229 22.3 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF128829.D

Acq: 15 Jun 2022 16:52

Instrument :

BNA\_F

ClientSampleId :

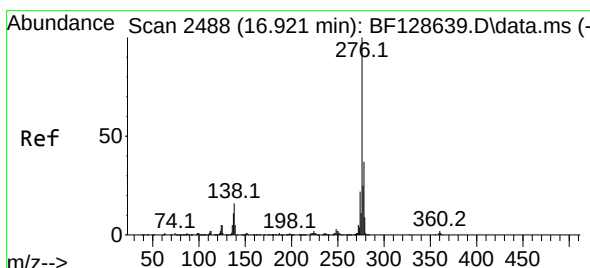
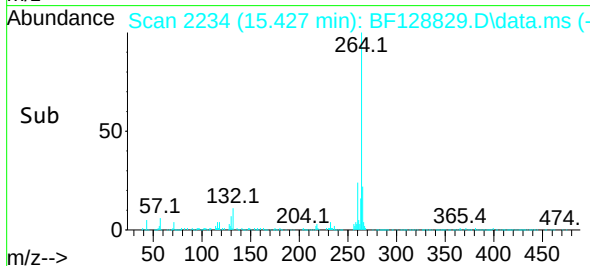
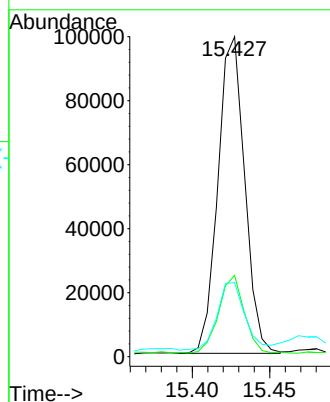
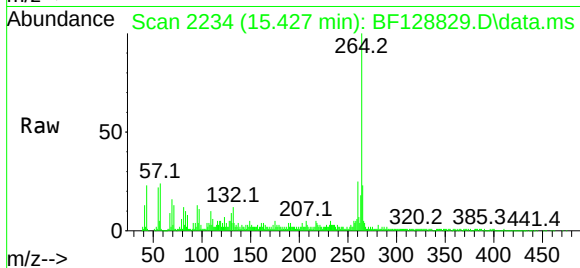
CL-02-061422

|             |                |
|-------------|----------------|
| Tgt Ion:264 | Resp: 11900    |
| Ion Ratio   | Lower Upper    |
| 264         | 100            |
| 260         | 25.4 18.4 27.6 |
| 265         | 23.2 17.2 25.8 |

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/16/2022  
Supervised By :mohammad ahmed 06/22/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 22.444 ng m

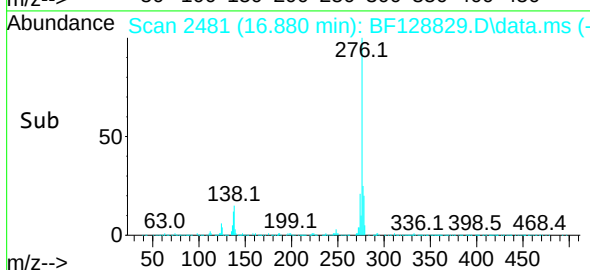
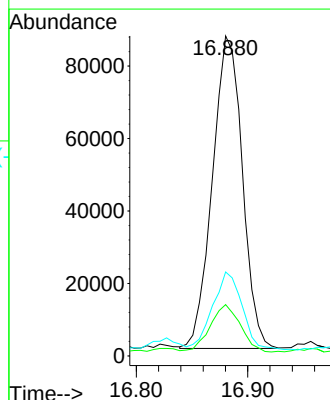
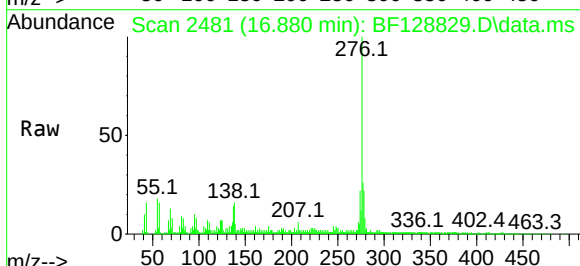
RT: 16.880 min Scan# 2481

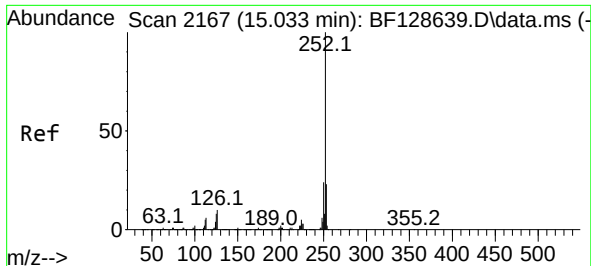
Delta R.T. 0.018 min

Lab File: BF128829.D

Acq: 15 Jun 2022 16:52

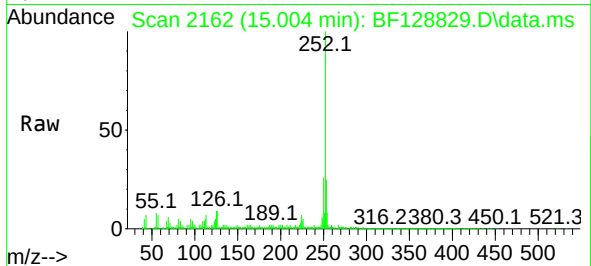
|             |                |
|-------------|----------------|
| Tgt Ion:276 | Resp: 160981   |
| Ion Ratio   | Lower Upper    |
| 276         | 100            |
| 138         | 1.1 21.1 31.7# |
| 277         | 0.8 20.3 30.5# |





#88  
Benzo(b)fluoranthene  
Concen: 51.606 ng m  
RT: 15.004 min Scan# 2166  
Delta R.T. 0.012 min  
Lab File: BF128829.D  
Acq: 15 Jun 2022 16:52

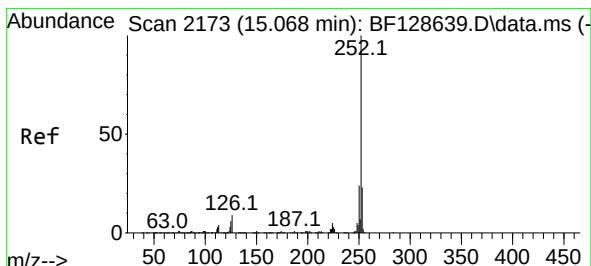
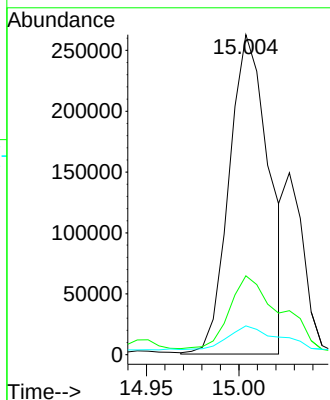
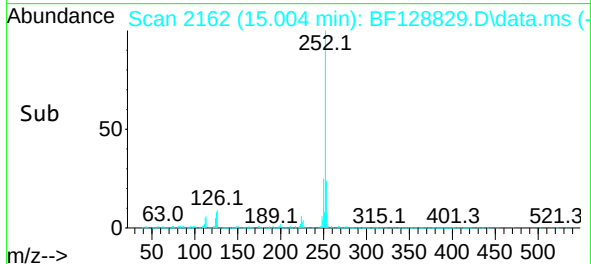
Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-061422



Tgt Ion:252 Resp: 392419  
Ion Ratio Lower Upper  
252 100  
253 24.7 17.7 26.5  
125 9.0 8.0 12.0

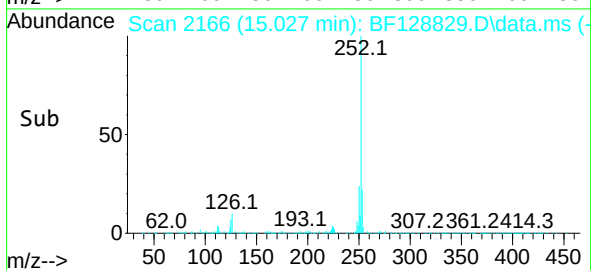
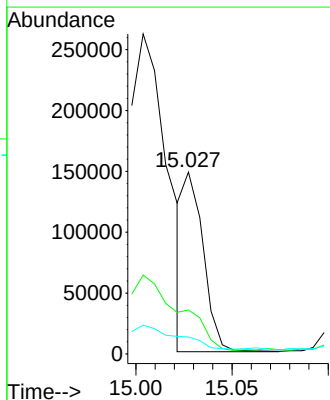
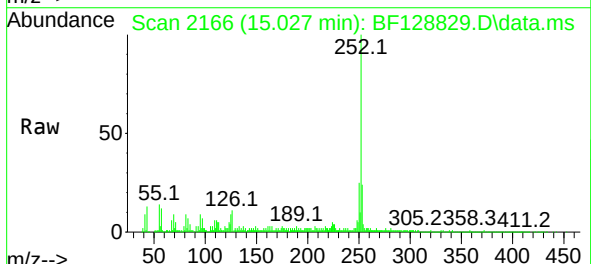
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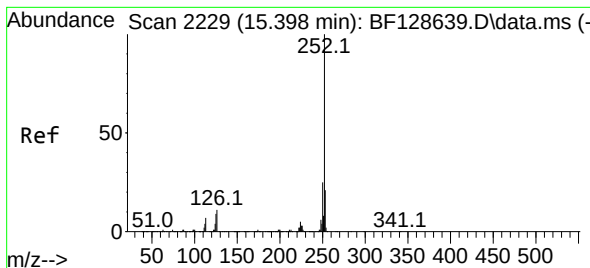
Reviewed By :Jagrut Upadhyay 06/16/2022  
Supervised By :mohammad ahmed 06/22/2022



#89  
Benzo(k)fluoranthene  
Concen: 14.807 ng m  
RT: 15.027 min Scan# 2166  
Delta R.T. 0.000 min  
Lab File: BF128829.D  
Acq: 15 Jun 2022 16:52

Tgt Ion:252 Resp: 105915  
Ion Ratio Lower Upper  
252 100  
253 24.2 17.8 26.6  
125 9.3 8.3 12.5





#90

Benzo(a)pyrene

Concen: 42.519 ng m

RT: 15.368 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF128829.D

Acq: 15 Jun 2022 16:52

Instrument :

BNA\_F

ClientSampleId :

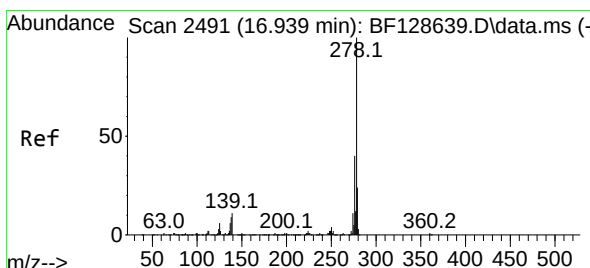
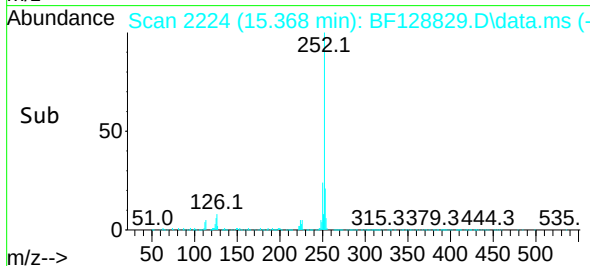
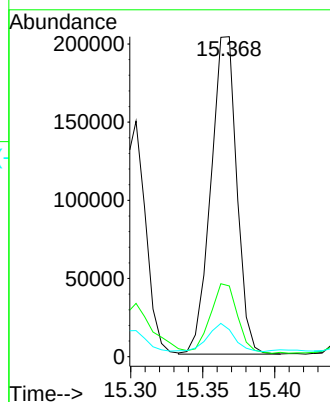
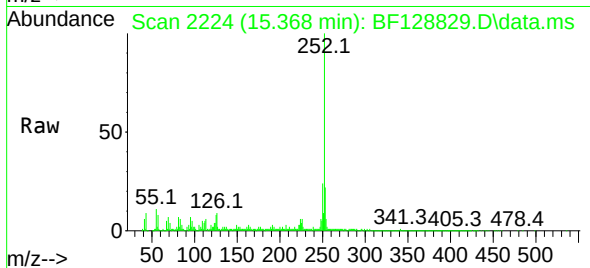
CL-02-061422

Tgt Ion:252 Resp: 254118  
 Ion Ratio Lower Upper  
 252 100  
 253 22.1 17.0 25.6  
 125 8.4 8.8 13.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/16/2022  
 Supervised By :mohammad ahmed 06/22/2022



#91

Dibenzo(a,h)anthracene

Concen: 6.887 ng

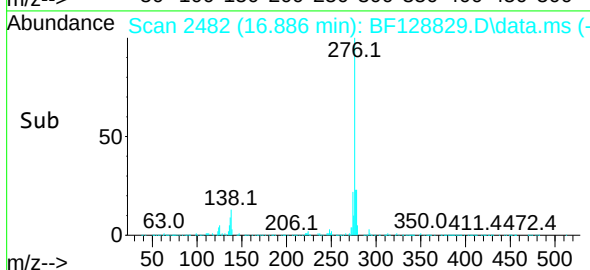
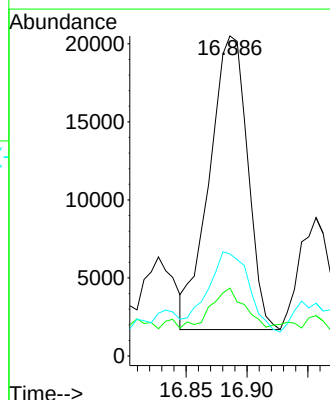
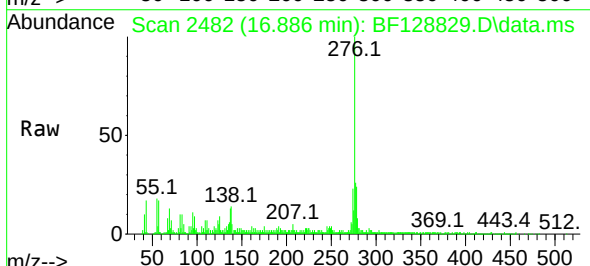
RT: 16.886 min Scan# 2482

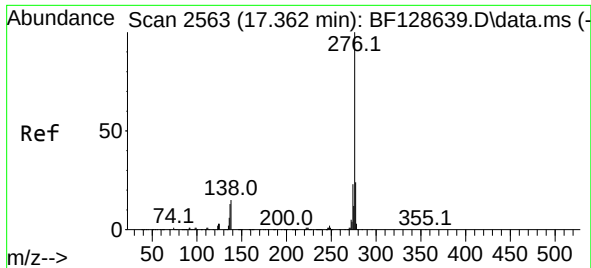
Delta R.T. 0.012 min

Lab File: BF128829.D

Acq: 15 Jun 2022 16:52

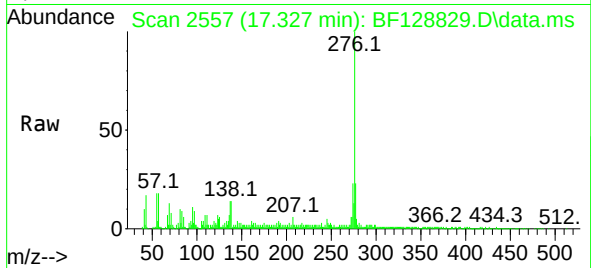
Tgt Ion:278 Resp: 40976  
 Ion Ratio Lower Upper  
 278 100  
 139 21.2 12.8 19.2#  
 279 31.9 18.6 28.0#





#92  
Benzo(g,h,i)perylene  
Concen: 27.398 ng  
RT: 17.327 min Scan# 21  
Delta R.T. 0.029 min  
Lab File: BF128829.D  
Acq: 15 Jun 2022 16:52

Instrument :  
BNA\_F  
ClientSampleId :  
CL-02-061422



Tgt Ion:276 Resp: 161550  
Ion Ratio Lower Upper  
276 100  
277 23.0 19.1 28.7  
138 13.6 18.0 27.0

Manual Integrations  
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Reviewed By :Jagrut Upadhyay 06/16/2022  
Supervised By :mohammad ahmed 06/22/2022

