

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060722\  
 Data File : BF128726.D  
 Acq On : 07 Jun 2022 20:16  
 Operator : CG\JU  
 Sample : N3206-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-060322

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 06/08/2022  
 Supervised By : Jagrut Upadhyay 06/08/2022

Quant Time: Jun 08 00:27:42 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  | 59784    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.104  | 136  | 198447   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.863  | 164  | 93362    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.351 | 188  | 163965   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12            | 13.998 | 240  | 165124   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12            | 15.474 | 264  | 122682   | 20.000 | ng    | 0.01     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.475  | 112  | 303584   | 80.884 | ng    | 0.00     |
| 7) Phenol-d6                | 6.486  | 99   | 358649   | 78.281 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.386  | 82   | 248603   | 58.326 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.657 | 330  | 78932    | 71.553 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.180  | 172  | 368073   | 55.226 | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.939 | 244  | 383796   | 40.388 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 11.374 | 178  | 107330   | 13.051 | ng    | 98       |
| 72) Anthracene              | 11.427 | 178  | 40257    | 4.945  | ng    | 100      |
| 75) Fluoranthene            | 12.568 | 202  | 225916   | 26.279 | ng    | 95       |
| 78) Pyrene                  | 12.798 | 202  | 251229   | 20.450 | ng    | 99       |
| 81) Benzo(a)anthracene      | 13.986 | 228  | 134399   | 13.058 | ng    | 92       |
| 83) Chrysene                | 14.021 | 228  | 117989   | 12.024 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene  | 16.933 | 276  | 44408    | 6.006  | ng    | # 87     |
| 88) Benzo(b)fluoranthene    | 15.039 | 252  | 140542m  | 17.928 | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.068 | 252  | 32690m   | 4.433  | ng    |          |
| 90) Benzo(a)pyrene          | 15.409 | 252  | 92089    | 14.946 | ng    | 95       |
| 91) Dibenzo(a,h)anthracene  | 16.945 | 278  | 12278    | 2.002  | ng    | # 67     |
| 92) Benzo(g,h,i)perylene    | 17.380 | 276  | 45577    | 7.498  | ng    | # 93     |
| -----                       |        |      |          |        |       |          |

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

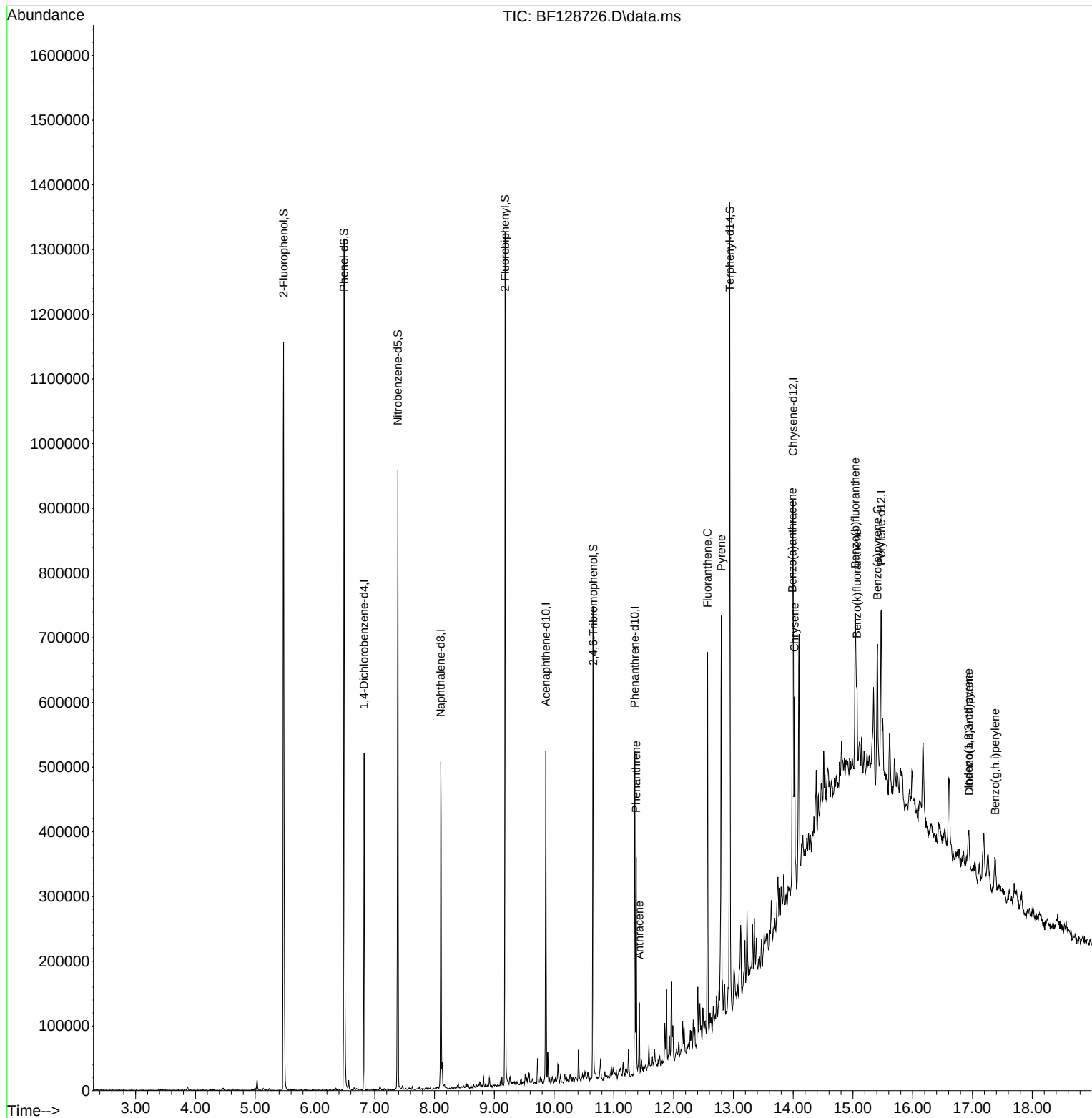
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060722\  
Data File : BF128726.D  
Acq On : 07 Jun 2022 20:16  
Operator : CG\JU  
Sample : N3206-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

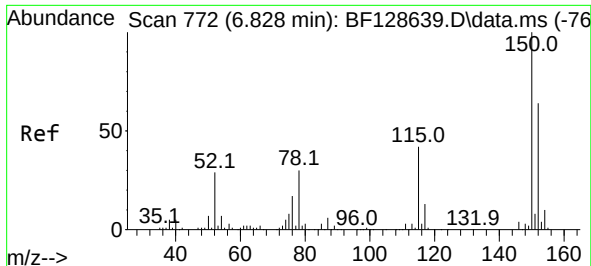
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-060322

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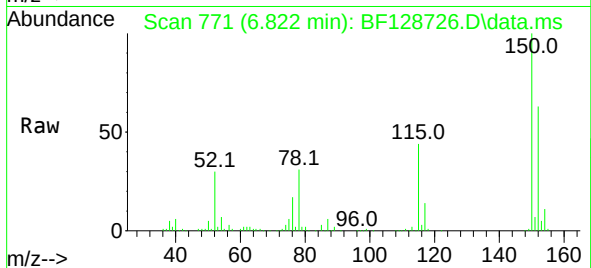
Quant Time: Jun 08 00:27:42 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 02 17:07:23 2022  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.822 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF128726.D  
Acq: 07 Jun 2022 20:16

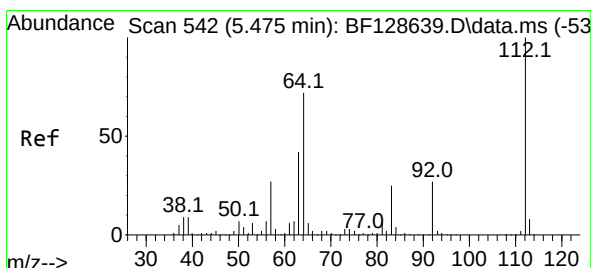
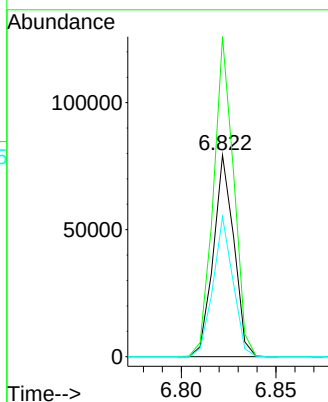
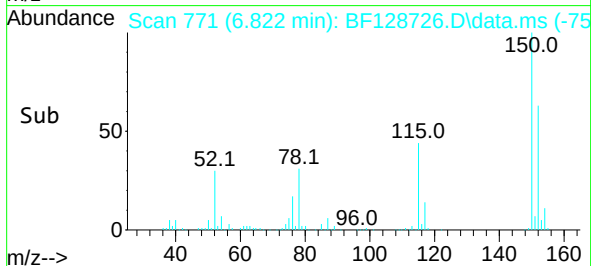
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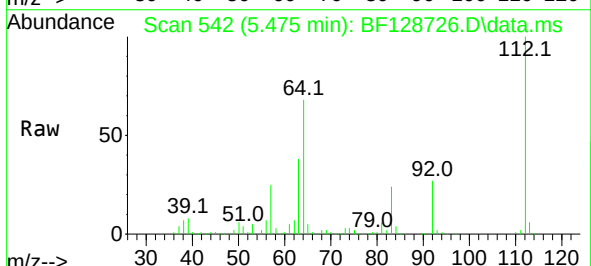
Tgt Ion:152 Resp: 59784  
Ion Ratio Lower Upper  
152 100  
150 158.7 123.7 185.5  
115 69.5 49.9 74.9

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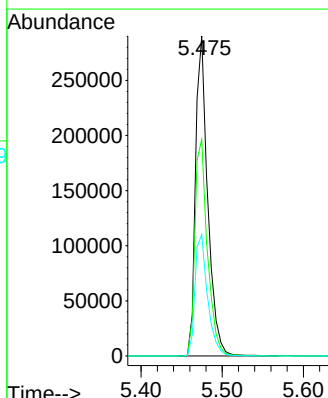
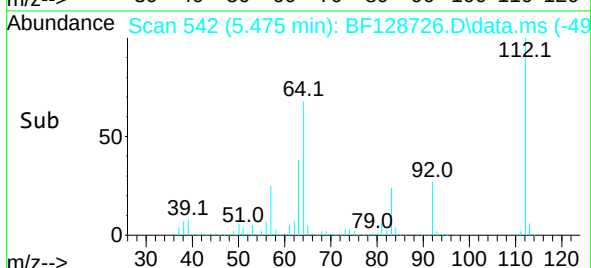
Reviewed By :Christian Giraldo 06/08/2022  
Supervised By :Jagrut Upadhyay 06/08/2022

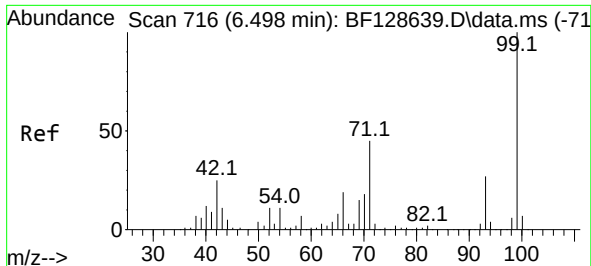


#5  
2-Fluorophenol  
Concen: 80.884 ng  
RT: 5.475 min Scan# 542  
Delta R.T. -0.000 min  
Lab File: BF128726.D  
Acq: 07 Jun 2022 20:16



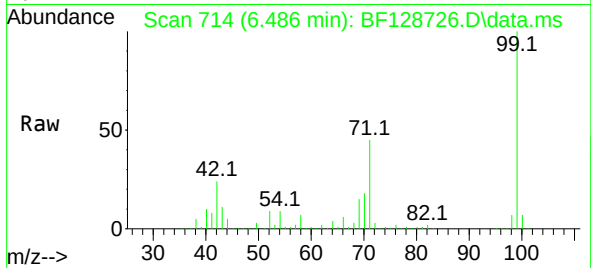
Tgt Ion:112 Resp: 303584  
Ion Ratio Lower Upper  
112 100  
64 67.7 53.3 79.9  
63 38.0 28.0 42.0





#7  
Phenol-d6  
Concen: 78.281 ng  
RT: 6.486 min Scan# 716  
Delta R.T. -0.012 min  
Lab File: BF128726.D  
Acq: 07 Jun 2022 20:16

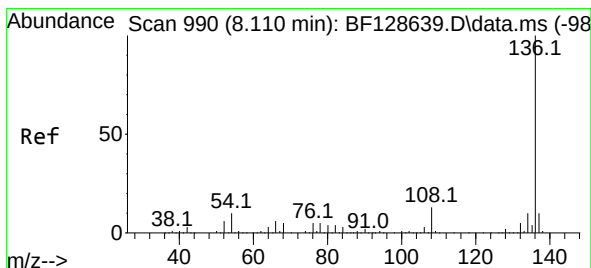
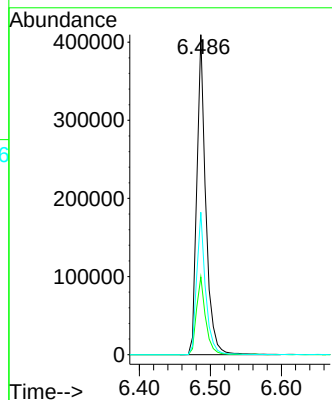
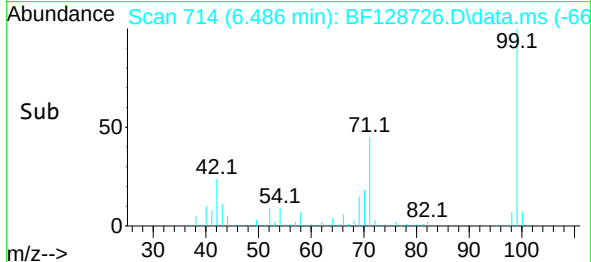
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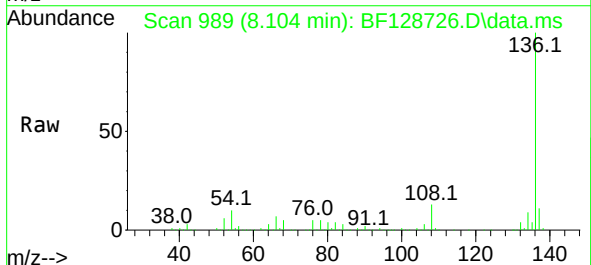
Tgt Ion: 99 Resp: 358649  
Ion Ratio Lower Upper  
99 100  
42 24.3 17.3 25.9  
71 44.5 28.9 43.3

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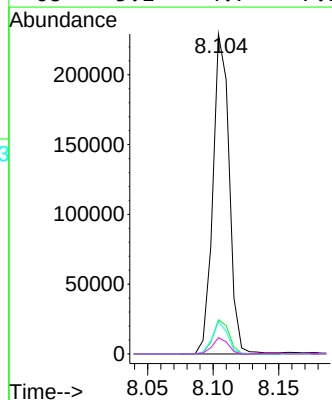
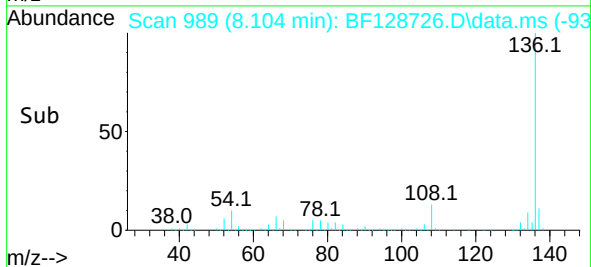
Reviewed By :Christian Giraldo 06/08/2022  
Supervised By :Jagrut Upadhyay 06/08/2022

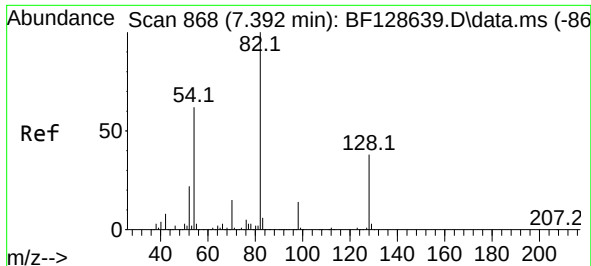


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.104 min Scan# 989  
Delta R.T. -0.006 min  
Lab File: BF128726.D  
Acq: 07 Jun 2022 20:16



Tgt Ion:136 Resp: 198447  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.8 13.2  
54 10.1 7.5 11.3  
68 5.1 4.7 7.1





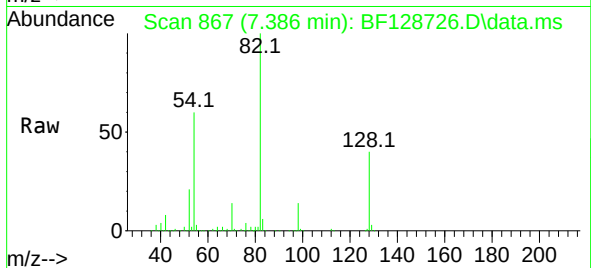
#23  
Nitrobenzene-d5  
Concen: 58.326 ng  
RT: 7.386 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF128726.D  
Acq: 07 Jun 2022 20:16

Instrument :

BNA\_F

ClientSampleId :

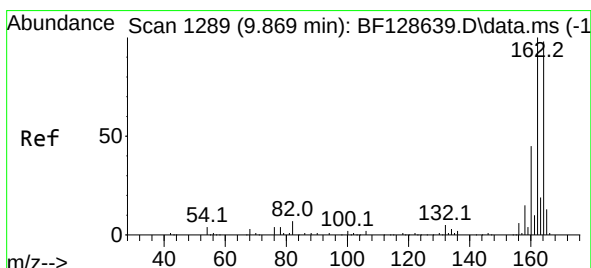
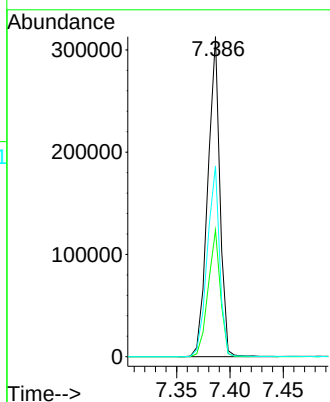
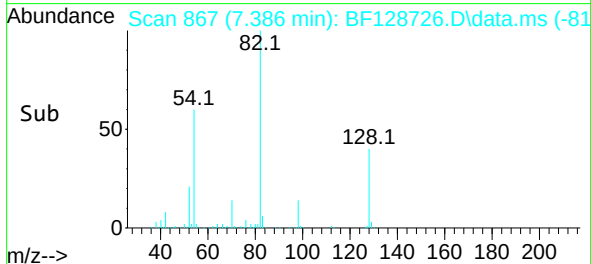
CL-01-060322



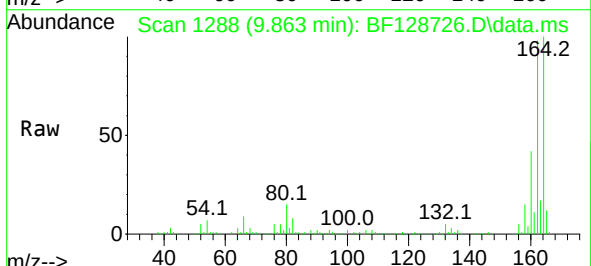
Tgt Ion: 82 Resp: 24860  
Ion Ratio Lower Upper  
82 100  
128 39.6 34.0 51.0  
54 59.6 46.9 70.3

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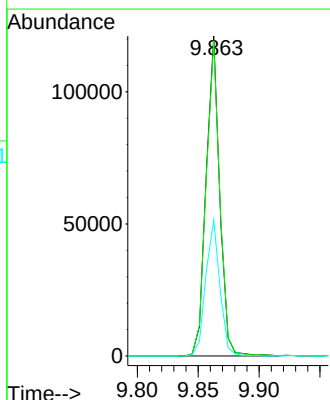
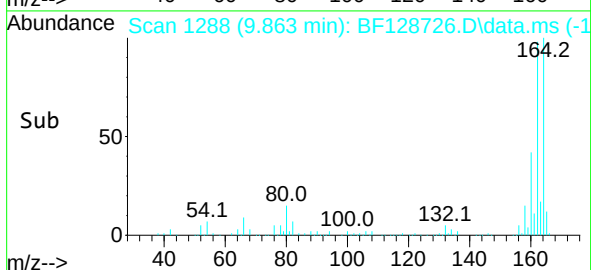
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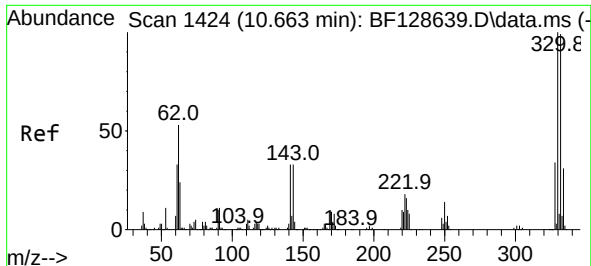


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.863 min Scan# 1288  
Delta R.T. -0.006 min  
Lab File: BF128726.D  
Acq: 07 Jun 2022 20:16



Tgt Ion:164 Resp: 93362  
Ion Ratio Lower Upper  
164 100  
162 98.5 79.5 119.3  
160 42.5 34.2 51.4





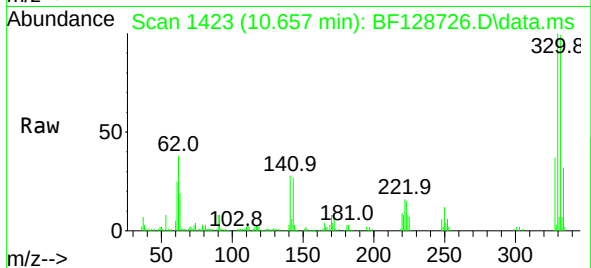
#42  
2,4,6-Tribromophenol  
Concen: 71.553 ng  
RT: 10.657 min Scan# 1423  
Delta R.T. -0.006 min  
Lab File: BF128726.D  
Acq: 07 Jun 2022 20:16

Instrument :

BNA\_F

ClientSampleId :

CL-01-060322

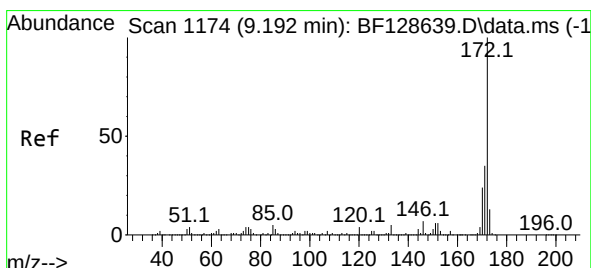
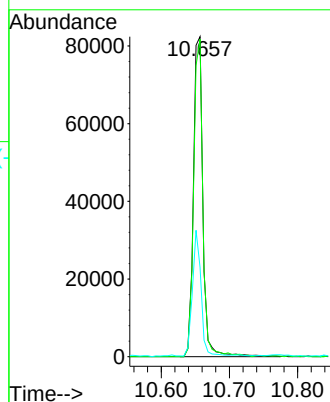
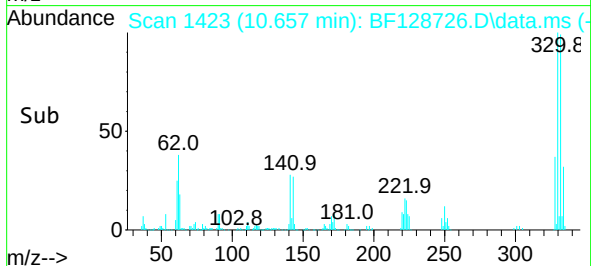


Tgt Ion: 330 Resp: 7893  
Ion Ratio Lower Upper  
330 100  
332 96.3 76.8 115.2  
141 35.2 28.0 42.0

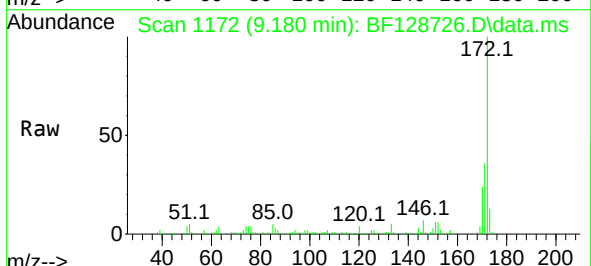
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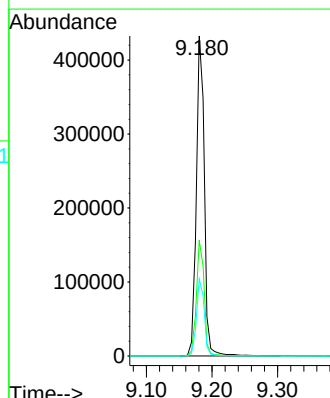
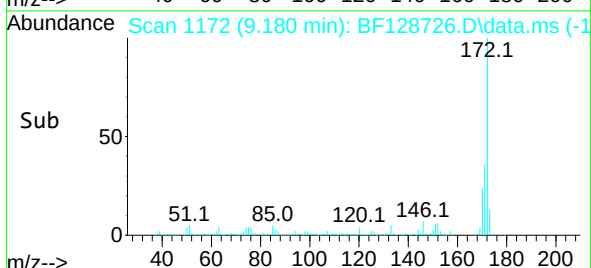
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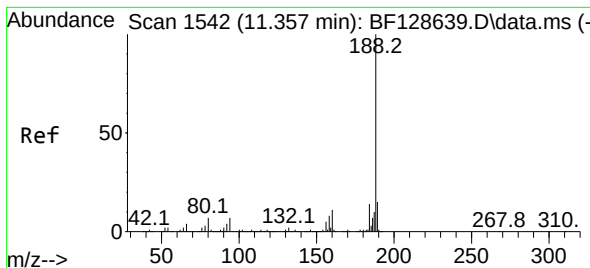


#45  
2-Fluorobiphenyl  
Concen: 55.226 ng  
RT: 9.180 min Scan# 1172  
Delta R.T. -0.012 min  
Lab File: BF128726.D  
Acq: 07 Jun 2022 20:16



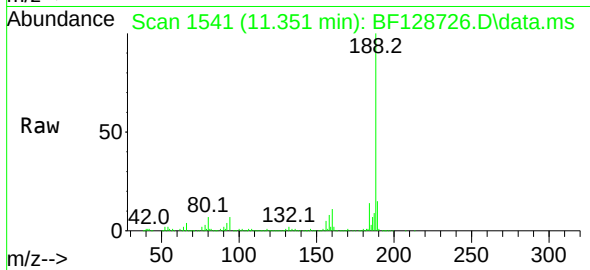
Tgt Ion: 172 Resp: 368073  
Ion Ratio Lower Upper  
172 100  
171 36.2 28.8 43.2  
170 24.1 19.8 29.8





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.351 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF128726.D  
Acq: 07 Jun 2022 20:16

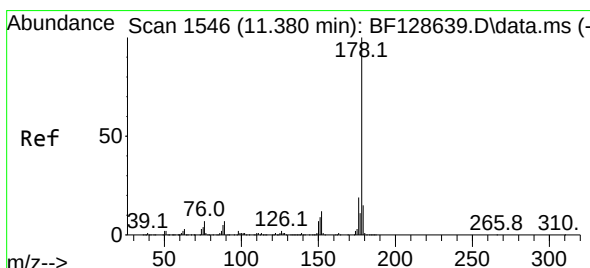
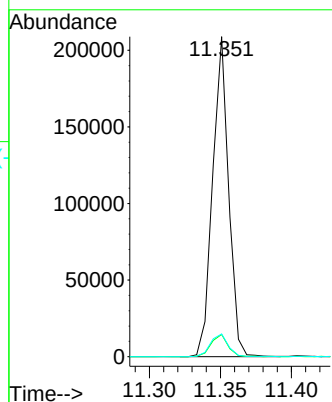
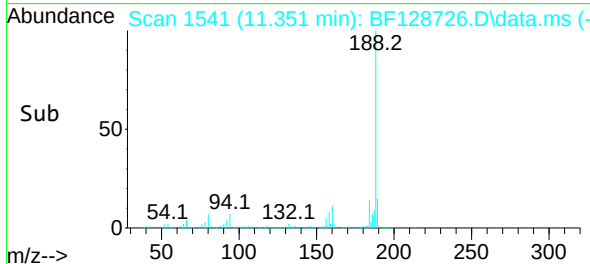
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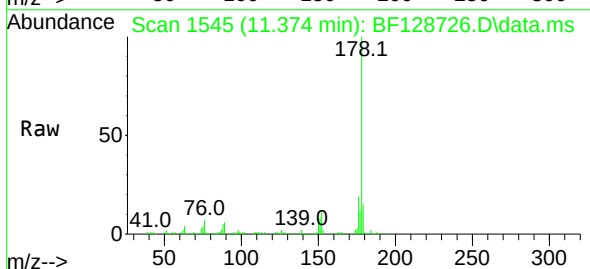
Tgt Ion:188 Resp: 16396  
Ion Ratio Lower Upper  
188 100  
94 7.0 7.0 10.6  
80 7.1 7.6 11.4

Manual Integrations  
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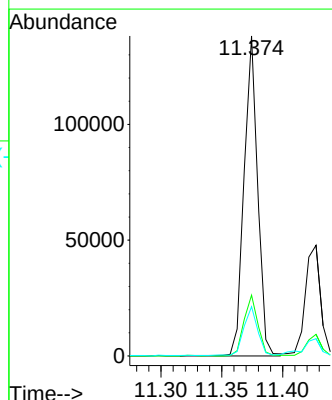
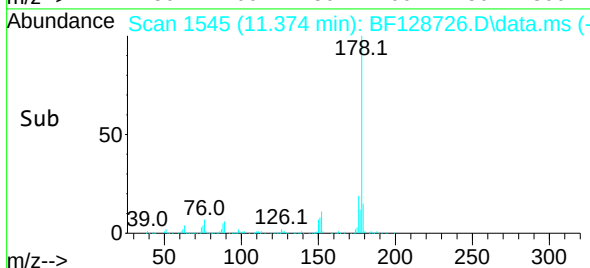
Reviewed By :Christian Giraldo 06/08/2022  
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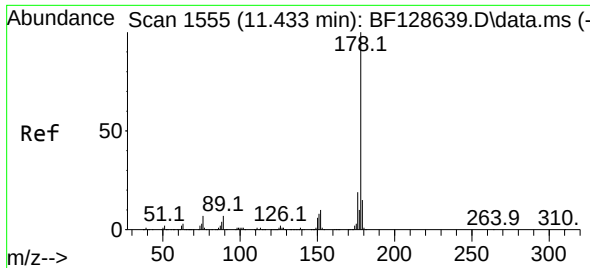


#71  
Phenanthrene  
Concen: 13.051 ng  
RT: 11.374 min Scan# 1545  
Delta R.T. -0.006 min  
Lab File: BF128726.D  
Acq: 07 Jun 2022 20:16



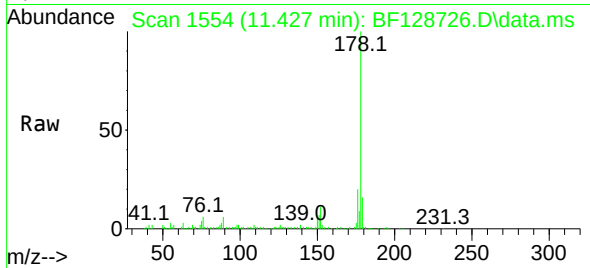
Tgt Ion:178 Resp: 107330  
Ion Ratio Lower Upper  
178 100  
176 19.0 16.0 24.0  
179 15.4 12.6 19.0





#72  
 Anthracene  
 Concen: 4.945 ng  
 RT: 11.427 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF128726.D  
 Acq: 07 Jun 2022 20:16

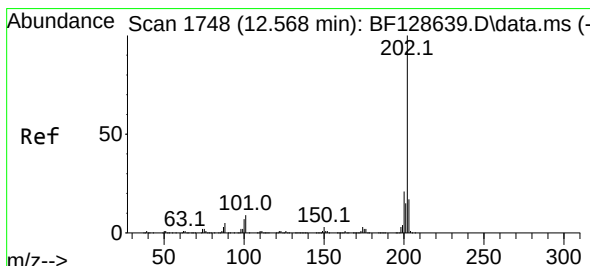
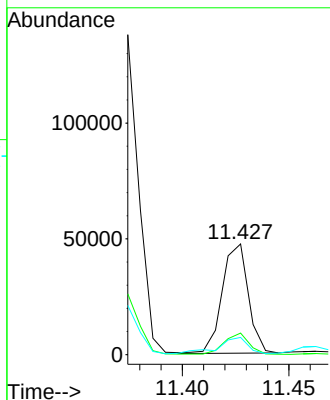
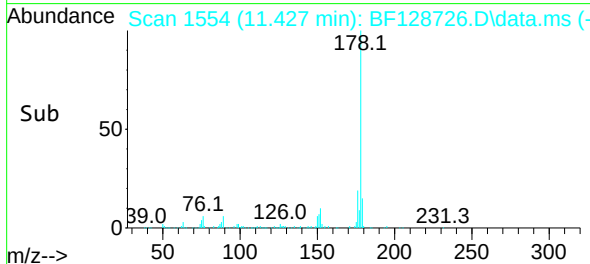
Instrument :  
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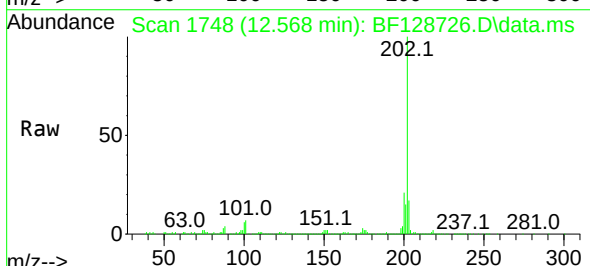
Tgt Ion:178 Resp: 4025  
 Ion Ratio Lower Upper  
 178 100  
 176 19.6 15.4 23.2  
 179 15.7 12.6 19.0

Manual Integrations  
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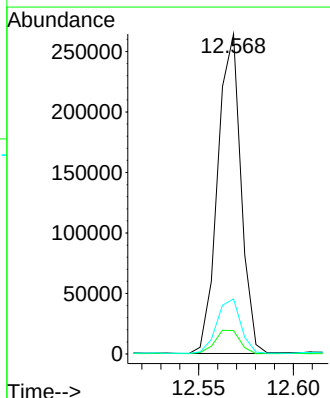
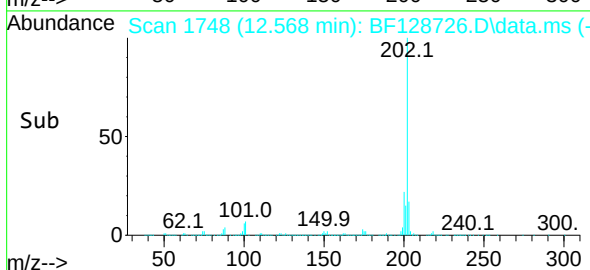
Reviewed By :Christian Giraldo 06/08/2022  
 Supervised By :Jagrut Upadhyay 06/08/2022



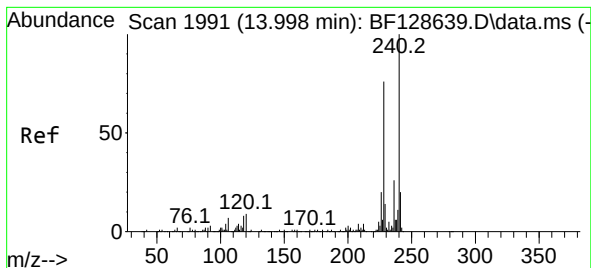
#75  
 Fluoranthene  
 Concen: 26.279 ng  
 RT: 12.568 min Scan# 1748  
 Delta R.T. -0.000 min  
 Lab File: BF128726.D  
 Acq: 07 Jun 2022 20:16



Tgt Ion:202 Resp: 225916  
 Ion Ratio Lower Upper  
 202 100  
 101 7.3 0.0 31.4  
 203 17.2 0.0 38.0







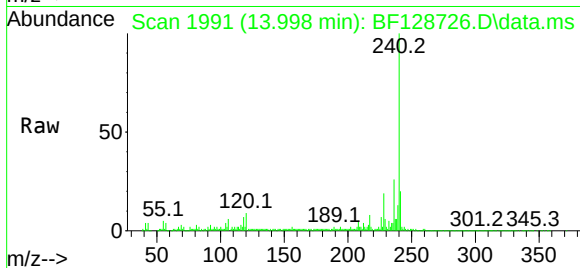
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.998 min Scan# 1991  
Delta R.T. -0.000 min  
Lab File: BF128726.D  
Acq: 07 Jun 2022 20:16

Instrument :

BNA\_F

ClientSampleId :

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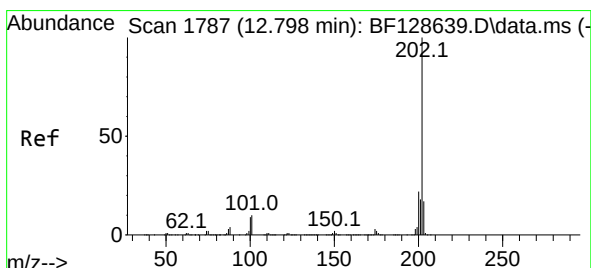
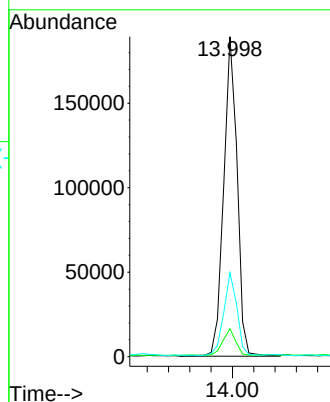
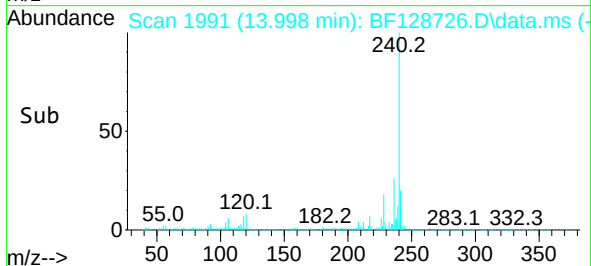


Tgt Ion:240 Resp: 165124  
Ion Ratio Lower Upper  
240 100  
120 8.7 8.9 13.3  
236 26.2 20.8 31.2

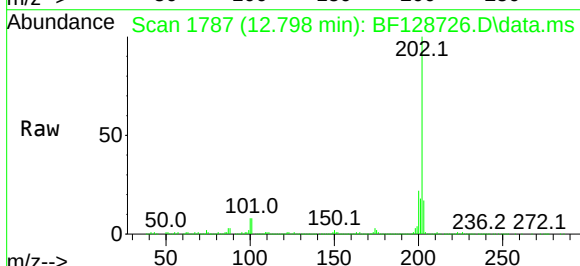
Manual Integrations

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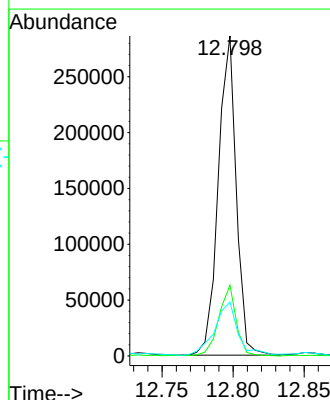
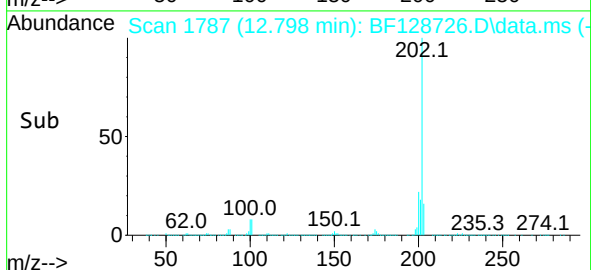
Reviewed By :Christian Giraldo 06/08/2022  
Supervised By :Jagrut Upadhyay 06/08/2022

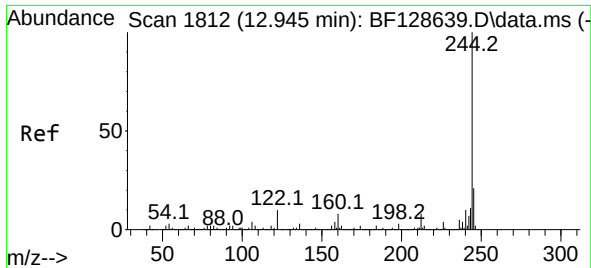


#78  
Pyrene  
Concen: 20.450 ng  
RT: 12.798 min Scan# 1787  
Delta R.T. -0.000 min  
Lab File: BF128726.D  
Acq: 07 Jun 2022 20:16



Tgt Ion:202 Resp: 251229  
Ion Ratio Lower Upper  
202 100  
200 22.1 17.7 26.5  
203 16.9 14.6 21.8





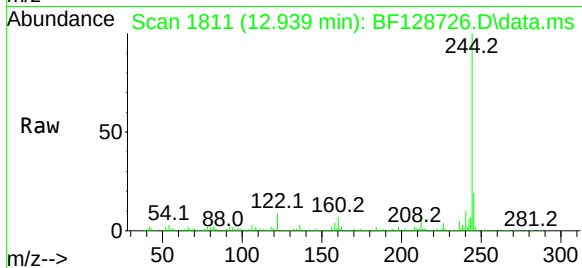
#79  
 Terphenyl-d14  
 Concen: 40.388 ng  
 RT: 12.939 min Scan# 1812  
 Delta R.T. -0.006 min  
 Lab File: BF128726.D  
 Acq: 07 Jun 2022 20:16

Instrument :

BNA\_F

ClientSampleId :

CL-01-060322

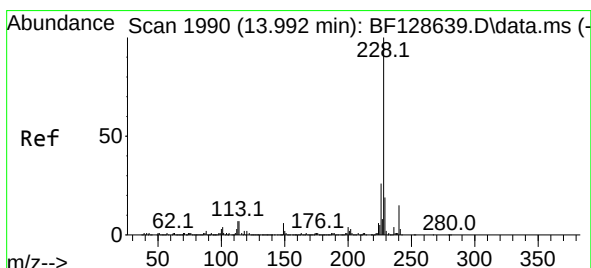
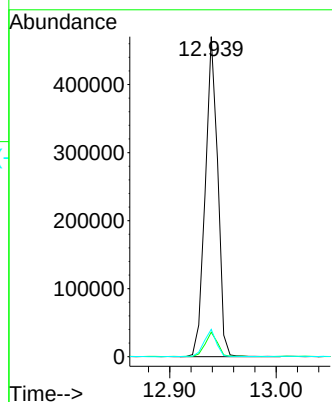
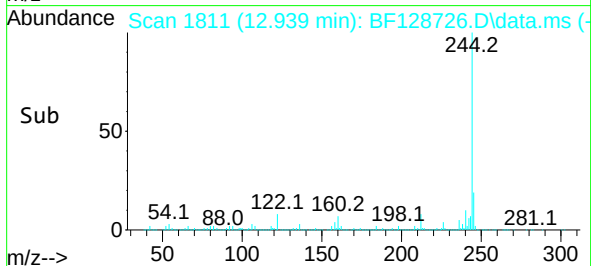


Tgt Ion:244 Resp: 383790  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.1 9.1  
 122 8.6 8.8 13.2

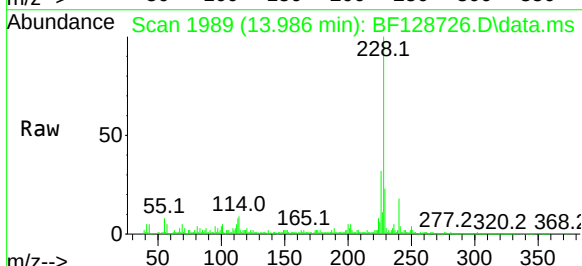
Manual Integrations

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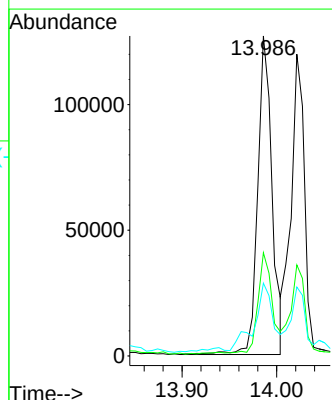
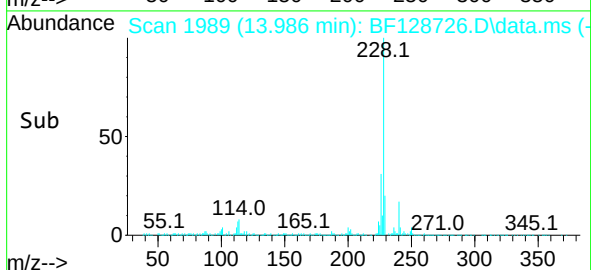
Reviewed By :Christian Giraldo 06/08/2022  
 Supervised By :Jagrut Upadhyay 06/08/2022

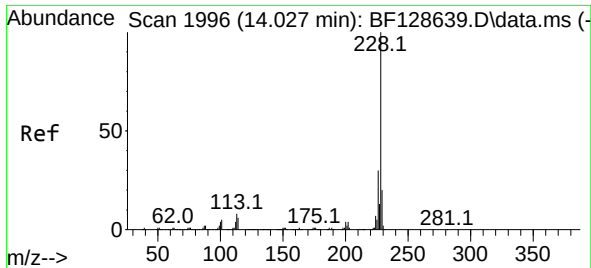


#81  
 Benzo(a)anthracene  
 Concen: 13.058 ng  
 RT: 13.986 min Scan# 1989  
 Delta R.T. -0.006 min  
 Lab File: BF128726.D  
 Acq: 07 Jun 2022 20:16



Tgt Ion:228 Resp: 134399  
 Ion Ratio Lower Upper  
 228 100  
 226 32.2 22.1 33.1  
 229 22.8 15.8 23.8





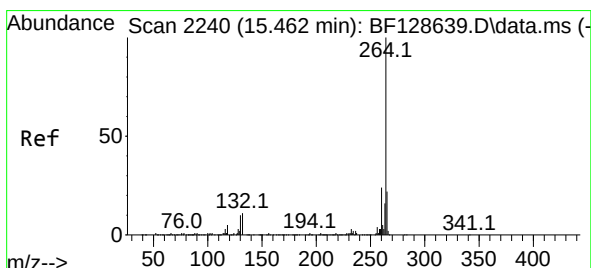
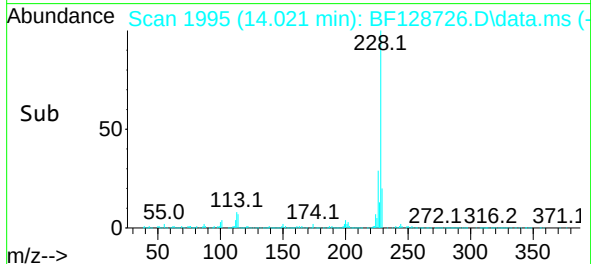
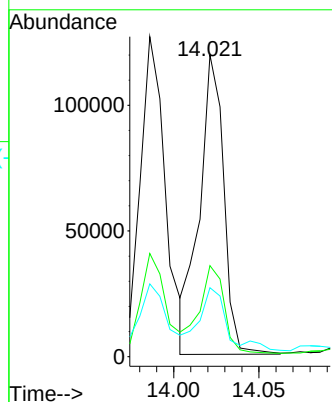
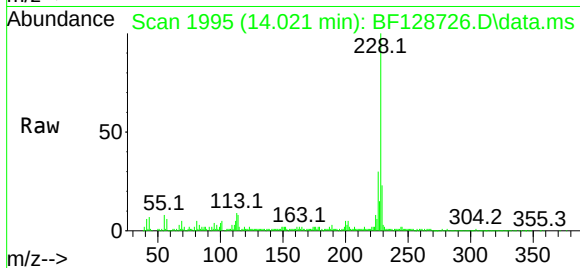
#83  
Chrysene  
Concen: 12.024 ng  
RT: 14.021 min Scan# 1996  
Delta R.T. -0.006 min  
Lab File: BF128726.D  
Acq: 07 Jun 2022 20:16

Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-060322

Tgt Ion:228 Resp: 117989  
Ion Ratio Lower Upper  
228 100  
226 30.2 24.3 36.5  
229 22.8 15.9 23.9

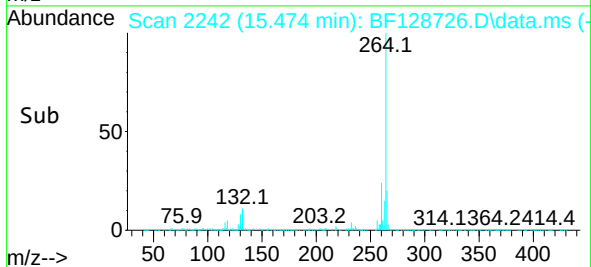
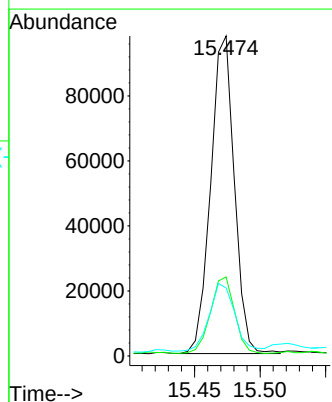
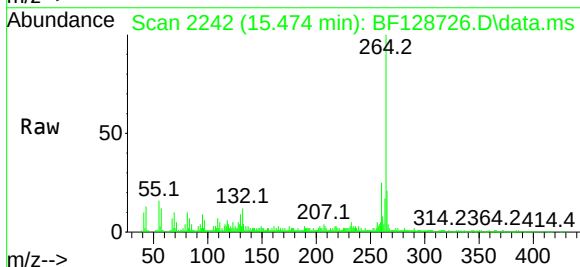
Manual Integrations  
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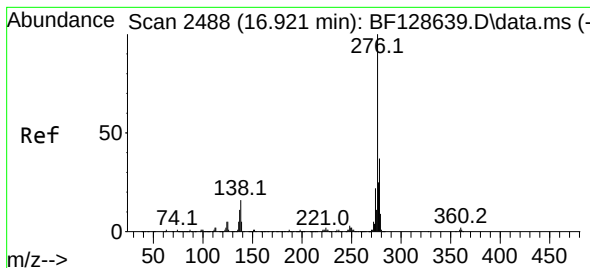
Reviewed By :Christian Giraldo 06/08/2022  
Supervised By :Jagrut Upadhyay 06/08/2022



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.474 min Scan# 2242  
Delta R.T. 0.012 min  
Lab File: BF128726.D  
Acq: 07 Jun 2022 20:16

Tgt Ion:264 Resp: 122682  
Ion Ratio Lower Upper  
264 100  
260 24.7 18.4 27.6  
265 21.2 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.006 ng

RT: 16.933 min Scan# 2488

Delta R.T. 0.012 min

Lab File: BF128726.D

Acq: 07 Jun 2022 20:16

Instrument :

BNA\_F

ClientSampleId :

CL-01-060322

Tgt Ion:276 Resp: 44408

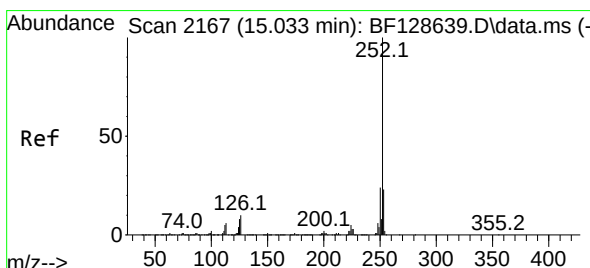
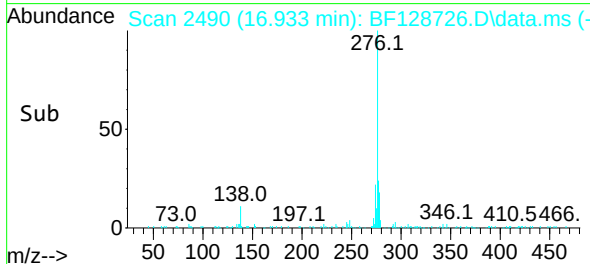
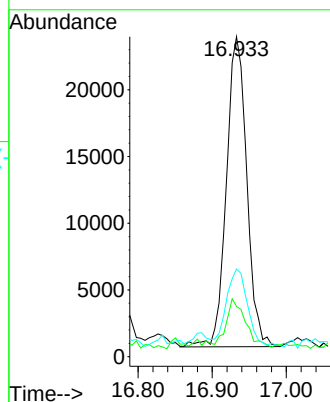
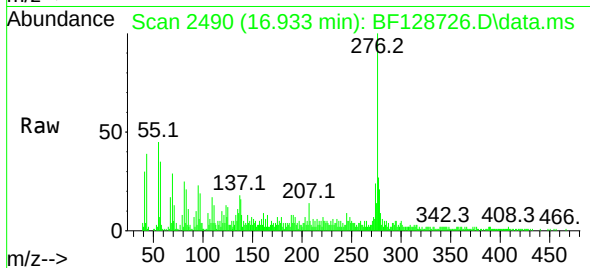
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 14.9  | 21.1  | 31.7  |
| 277 | 26.7  | 20.3  | 30.5  |

Manual Integrations

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Reviewed By :Christian Giraldo 06/08/2022

Supervised By :Jagrut Upadhyay 06/08/2022



#88

Benzo(b)fluoranthene

Concen: 17.928 ng m

RT: 15.039 min Scan# 2168

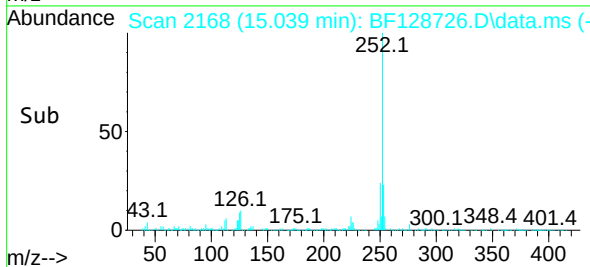
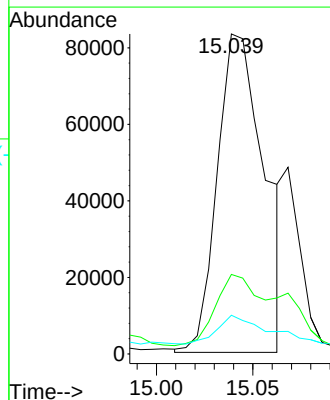
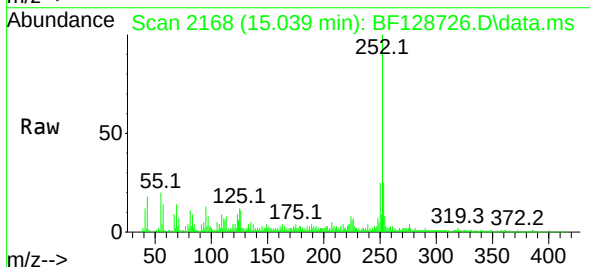
Delta R.T. 0.006 min

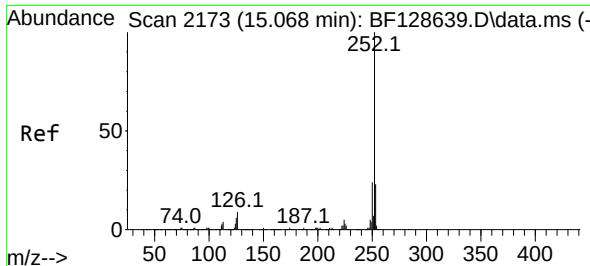
Lab File: BF128726.D

Acq: 07 Jun 2022 20:16

Tgt Ion:252 Resp: 140542

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 24.8  | 17.7  | 26.5  |
| 125 | 12.1  | 8.0   | 12.0  |





#89  
Benzo(k)fluoranthene  
Concen: 4.433 ng m  
RT: 15.068 min Scan# 2173  
Delta R.T. -0.000 min  
Lab File: BF128726.D  
Acq: 07 Jun 2022 20:16

Instrument :

BNA\_F

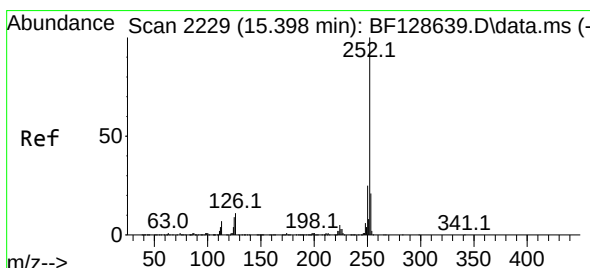
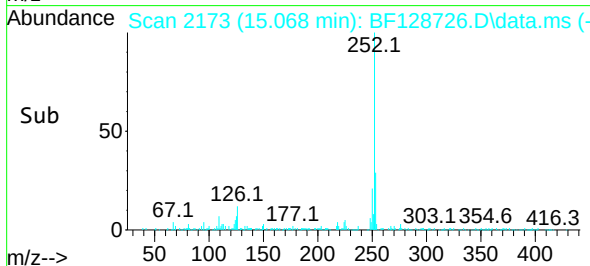
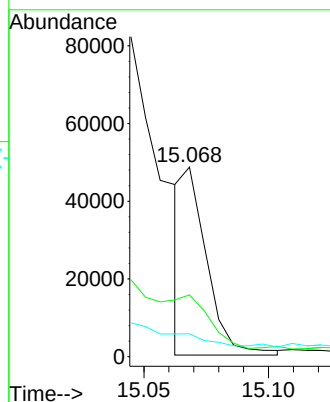
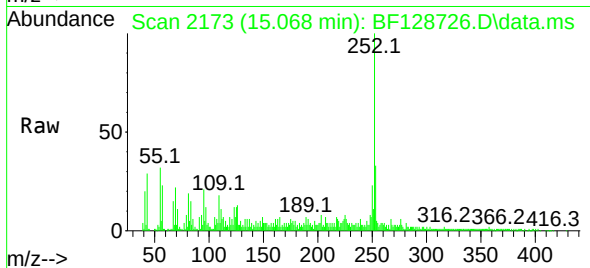
ClientSampleId :

CL-01-060322

Tgt Ion:252 Resp: 32690  
Ion Ratio Lower Upper  
252 100  
253 32.6 17.8 26.6  
125 12.1 8.3 12.5

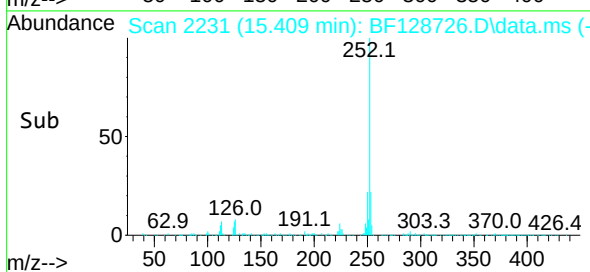
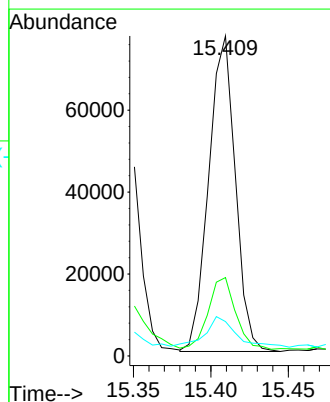
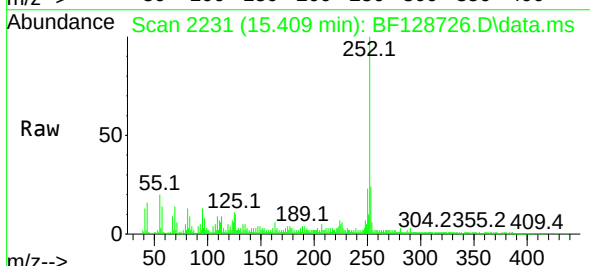
Manual Integrations  
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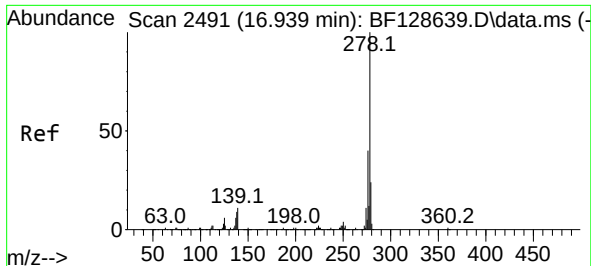
Reviewed By :Christian Giraldo 06/08/2022  
Supervised By :Jagrut Upadhyay 06/08/2022



#90  
Benzo(a)pyrene  
Concen: 14.946 ng  
RT: 15.409 min Scan# 2231  
Delta R.T. 0.012 min  
Lab File: BF128726.D  
Acq: 07 Jun 2022 20:16

Tgt Ion:252 Resp: 92089  
Ion Ratio Lower Upper  
252 100  
253 24.5 17.0 25.6  
125 10.7 8.8 13.2





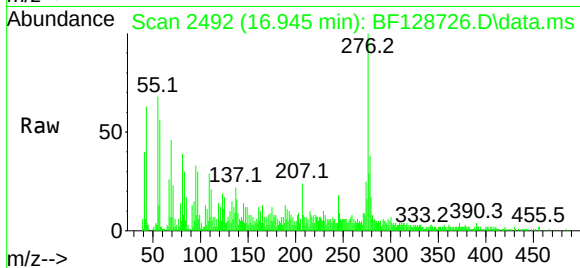
#91  
Dibenzo(a,h)anthracene  
Concen: 2.002 ng  
RT: 16.945 min Scan# 2491  
Delta R.T. 0.006 min  
Lab File: BF128726.D  
Acq: 07 Jun 2022 20:16

Instrument :

BNA\_F

ClientSampleId :

CL-01-060322

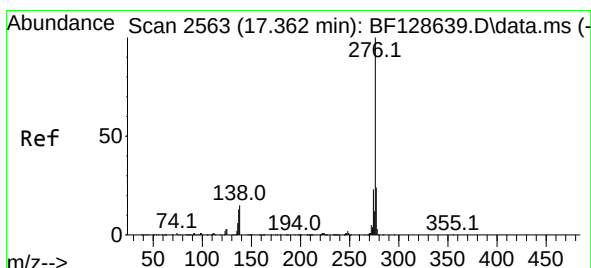
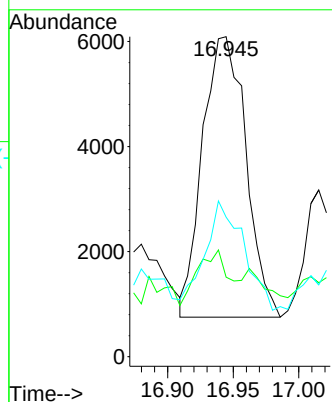
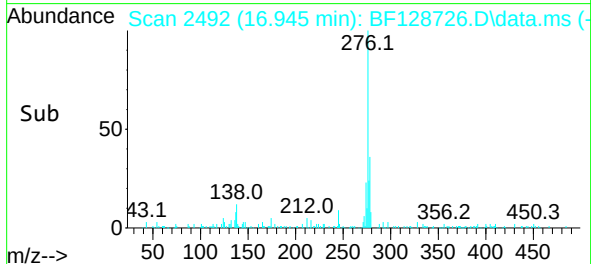


Tgt Ion:278 Resp: 12278  
Ion Ratio Lower Upper  
278 100  
139 24.8 12.8 19.2  
279 43.6 18.6 28.0

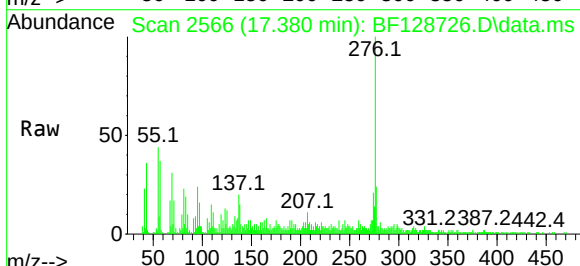
Manual Integrations

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Reviewed By :Christian Giraldo 06/08/2022  
Supervised By :Jagrut Upadhyay 06/08/2022



#92  
Benzo(g,h,i)perylene  
Concen: 7.498 ng  
RT: 17.380 min Scan# 2566  
Delta R.T. 0.018 min  
Lab File: BF128726.D  
Acq: 07 Jun 2022 20:16



Tgt Ion:276 Resp: 45577  
Ion Ratio Lower Upper  
276 100  
277 24.3 19.1 28.7  
138 15.5 18.0 27.0

