

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF042922\  
 Data File : BF127998.D  
 Acq On : 29 Apr 2022 16:48  
 Operator : CG\JU  
 Sample : N2616-04  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH-18D

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 05/02/2022  
 Supervised By : Jagrut Upadhyay 05/02/2022

Quant Time: Apr 29 17:58:39 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 28 05:13:03 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.922  | 152  | 105373   | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.204  | 136  | 408622   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.963  | 164  | 236662   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.457 | 188  | 421153   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12            | 14.098 | 240  | 238578   | 20.000 | ng    | #-0.02   |
| 86) Perylene-d12            | 15.610 | 264  | 220101   | 20.000 | ng    | -0.01    |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.546  | 112  | 571957   | 86.455 | ng    | 0.00     |
| 7) Phenol-d6                | 6.546  | 99   | 759413   | 88.466 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.487  | 82   | 570594   | 65.664 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.757 | 330  | 224971   | 94.430 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.281  | 172  | 938586   | 67.093 | ng    | -0.01    |
| 79) Terphenyl-d14           | 13.045 | 244  | 886492   | 67.944 | ng    | -0.01    |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 78) Pyrene                  | 12.898 | 202  | 46001    | 2.389  | ng    | 99       |
| 88) Benzo(b)fluoranthene    | 15.157 | 252  | 33248m   | 2.405  | ng    |          |
| 90) Benzo(a)pyrene          | 15.539 | 252  | 24152    | 2.106  | ng    | 97       |
| -----                       |        |      |          |        |       |          |

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

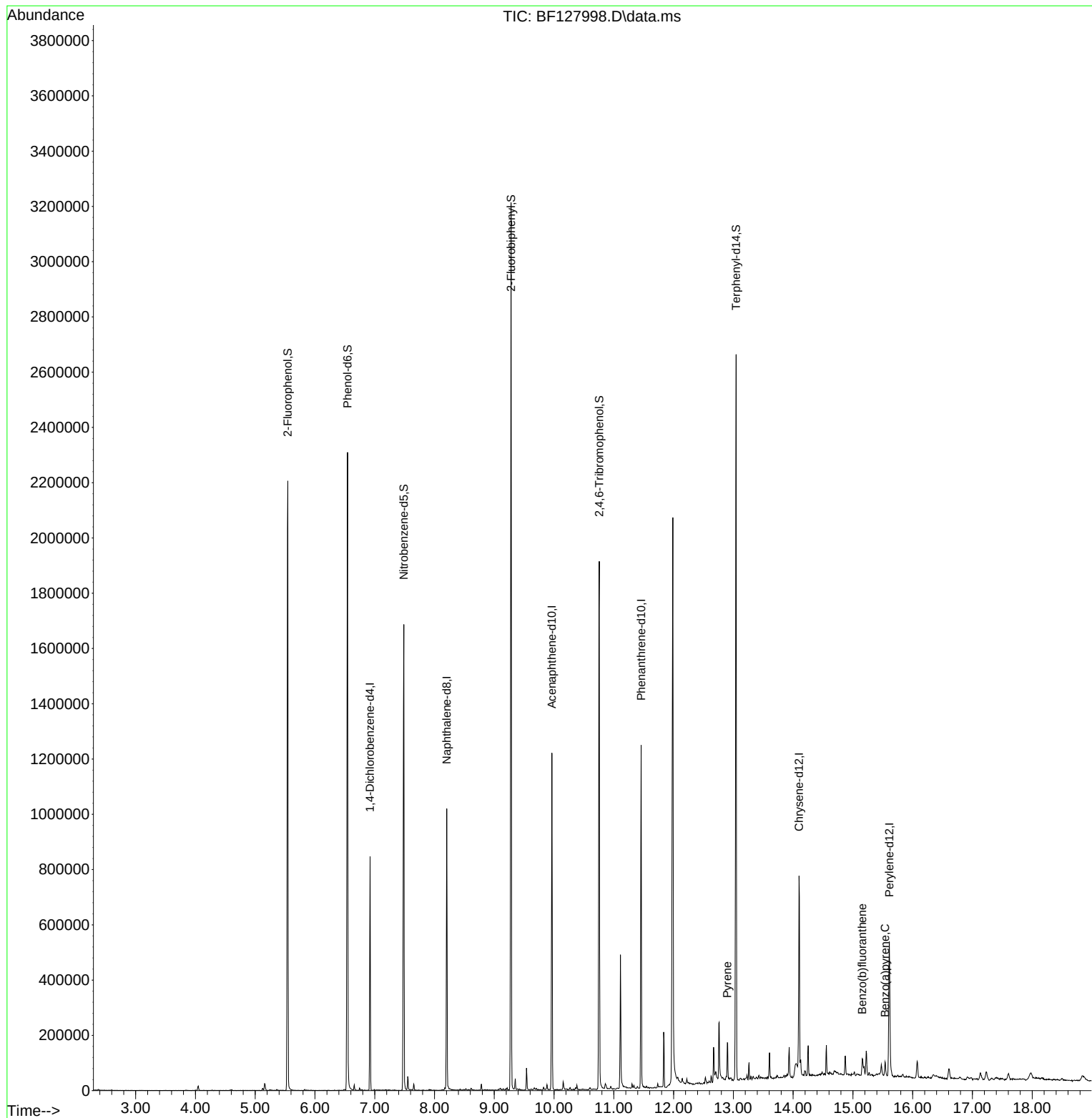
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF042922\  
Data File : BF127998.D  
Acq On : 29 Apr 2022 16:48  
Operator : CG\JU  
Sample : N2616-04  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

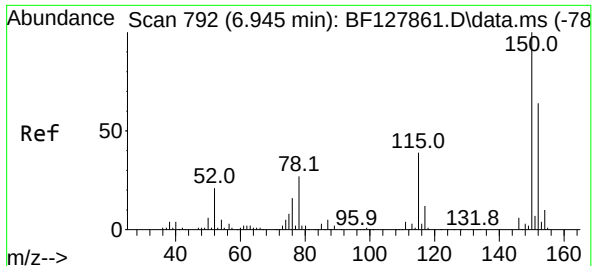
Instrument :  
BNA\_F  
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MH-18D

Quant Time: Apr 29 17:58:39 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 28 05:13:03 2022  
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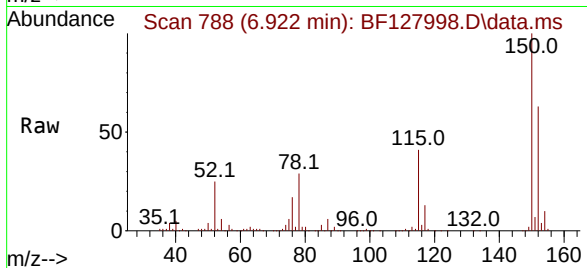
Reviewed By :Christian Giraldo 05/02/2022  
Supervised By :Jagrut Upadhyay 05/02/2022





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.922 min Scan# 792  
Delta R.T. -0.012 min  
Lab File: BF127998.D  
Acq: 29 Apr 2022 16:48

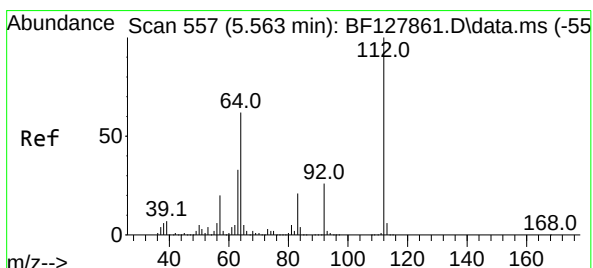
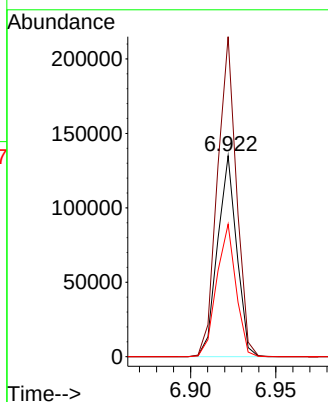
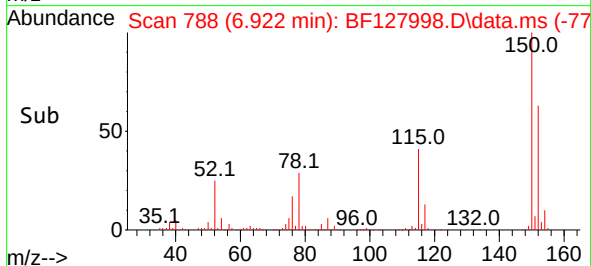
Instrument :  
BNA\_F  
ClientSampleId :  
MH-18D



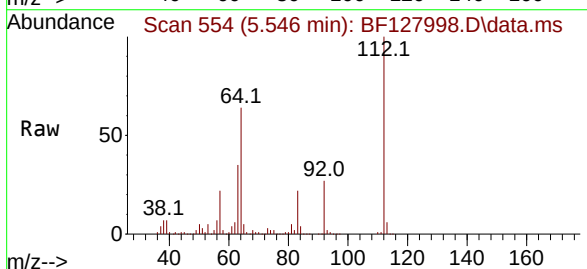
Tgt Ion:152 Resp: 10537  
Ion Ratio Lower Upper  
152 100  
150 159.2 125.3 187.9  
115 65.9 48.8 73.2

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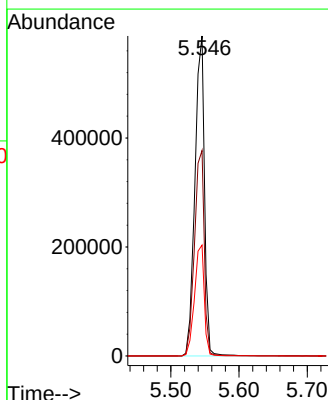
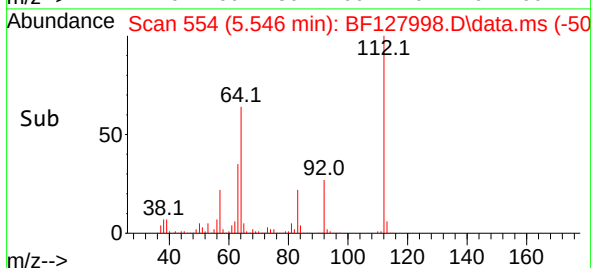
Reviewed By :Christian Giraldo 05/02/2022  
Supervised By :Jagrut Upadhyay 05/02/2022

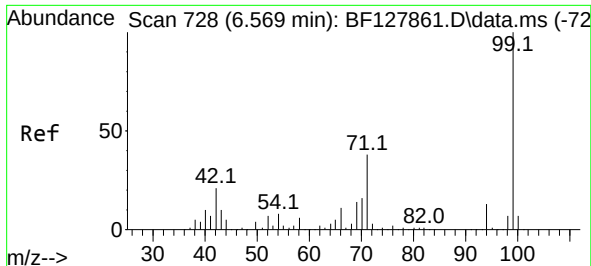


#5  
2-Fluorophenol  
Concen: 86.455 ng  
RT: 5.546 min Scan# 554  
Delta R.T. -0.006 min  
Lab File: BF127998.D  
Acq: 29 Apr 2022 16:48



Tgt Ion:112 Resp: 571957  
Ion Ratio Lower Upper  
112 100  
64 64.2 49.5 74.3  
63 34.6 26.3 39.5





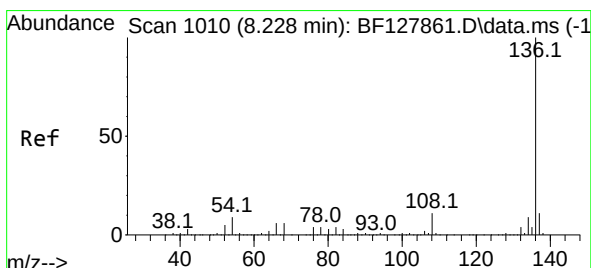
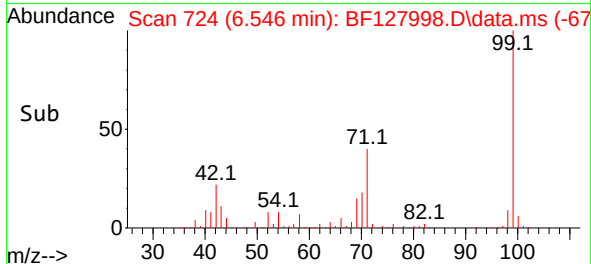
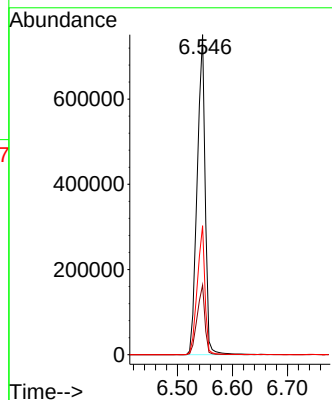
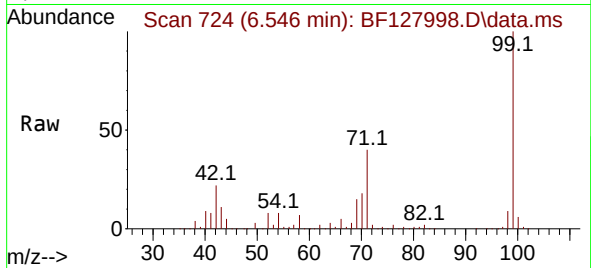
#7  
Phenol-d6  
Concen: 88.466 ng  
RT: 6.546 min Scan# 71  
Delta R.T. -0.017 min  
Lab File: BF127998.D  
Acq: 29 Apr 2022 16:48

Instrument :  
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Tgt Ion: 99 Resp: 75941  
Ion Ratio Lower Upper  
99 100  
42 21.7 16.6 24.8  
71 40.3 30.0 45.0

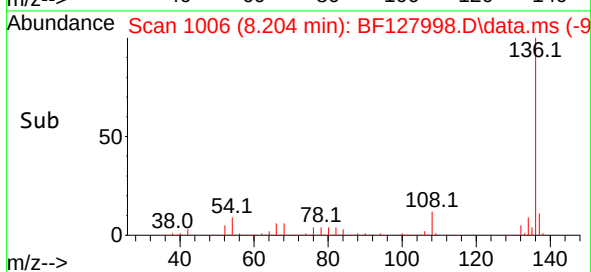
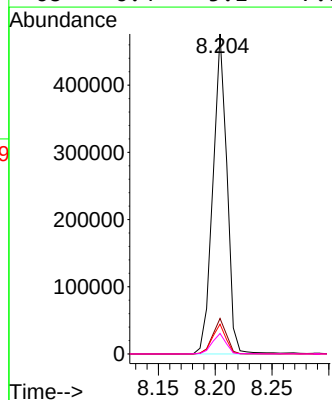
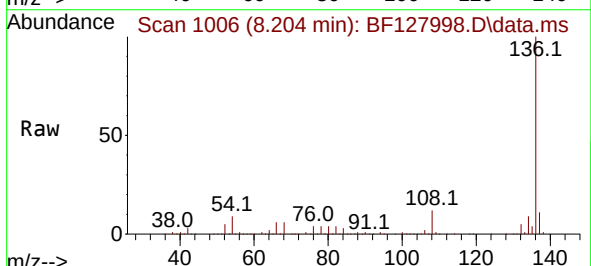
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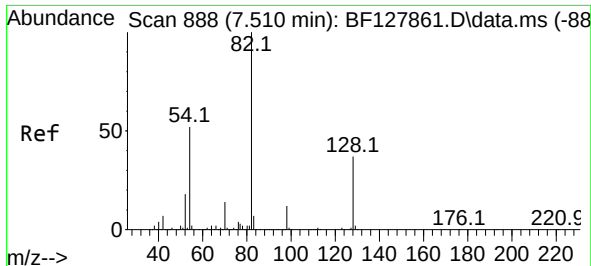
Reviewed By :Christian Giraldo 05/02/2022  
Supervised By :Jagrut Upadhyay 05/02/2022



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.204 min Scan# 1006  
Delta R.T. -0.012 min  
Lab File: BF127998.D  
Acq: 29 Apr 2022 16:48

Tgt Ion:136 Resp: 408622  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.6 13.0  
54 9.3 6.8 10.2  
68 6.4 5.1 7.7





#23

Nitrobenzene-d5

Concen: 65.664 ng

RT: 7.487 min Scan# 81

Delta R.T. -0.017 min

Lab File: BF127998.D

Acq: 29 Apr 2022 16:48

Instrument :

BNA\_F

ClientSampleId :

MH-18D

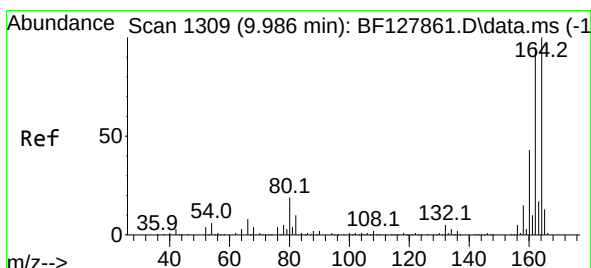
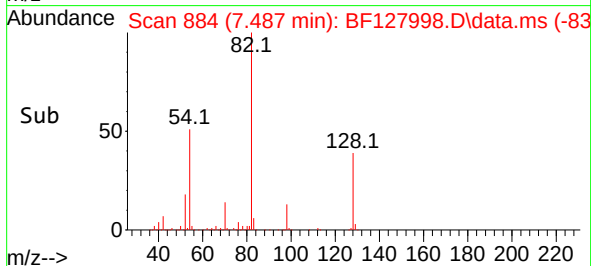
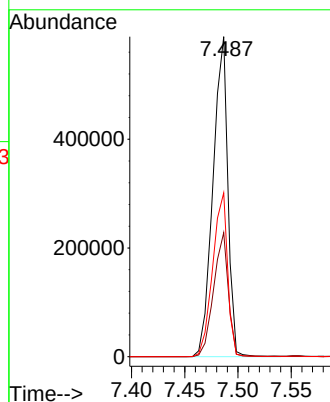
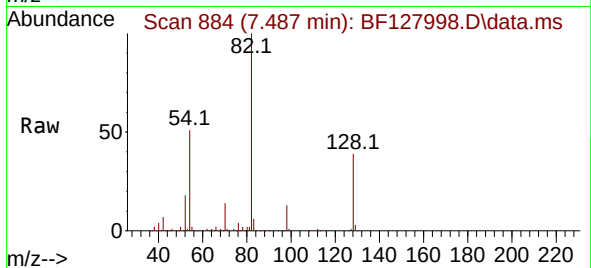
Tgt Ion: 82 Resp: 570594

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 38.8  | 30.0  | 45.0  |
| 54  | 51.2  | 41.3  | 61.9  |

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/02/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1305

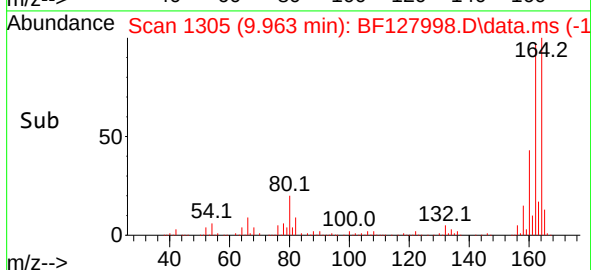
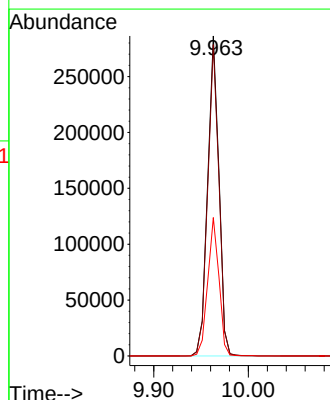
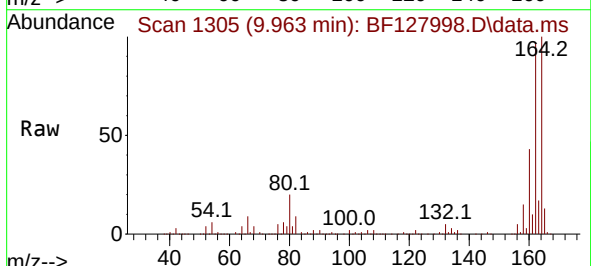
Delta R.T. -0.012 min

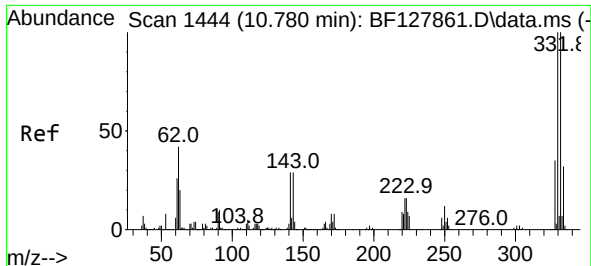
Lab File: BF127998.D

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Tgt Ion:164 Resp: 236662

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 97.3  | 76.0  | 114.0 |
| 160 | 43.3  | 34.8  | 52.2  |





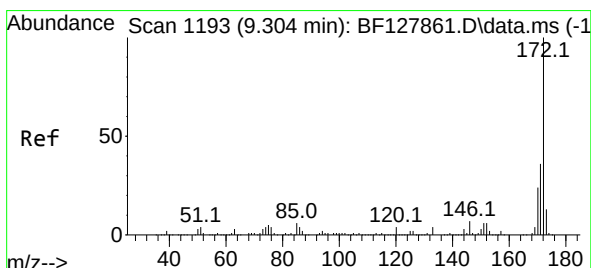
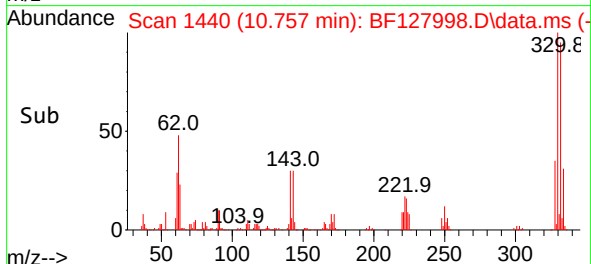
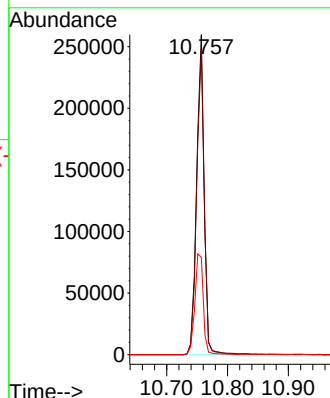
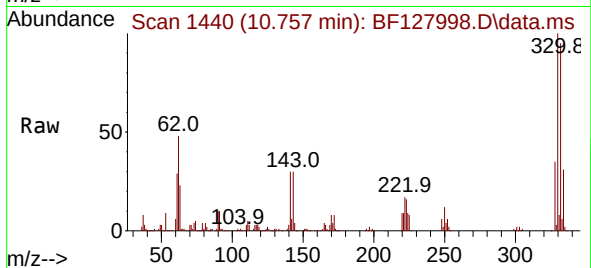
#42  
2,4,6-Tribromophenol  
Concen: 94.430 ng  
RT: 10.757 min Scan# 1444  
Delta R.T. -0.012 min  
Lab File: BF127998.D  
Acq: 29 Apr 2022 16:48

Instrument :  
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ClientSampleId :  
MH-18D

Tgt Ion: 330 Resp: 22497  
Ion Ratio Lower Upper  
330 100  
332 95.7 79.0 118.4  
141 35.3 28.9 43.3

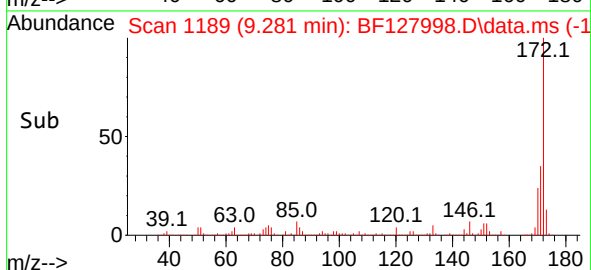
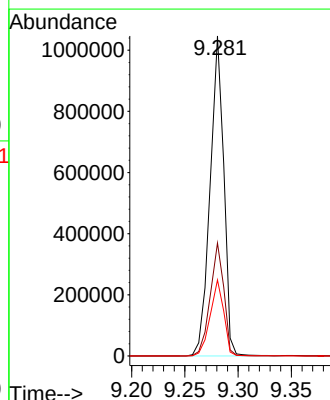
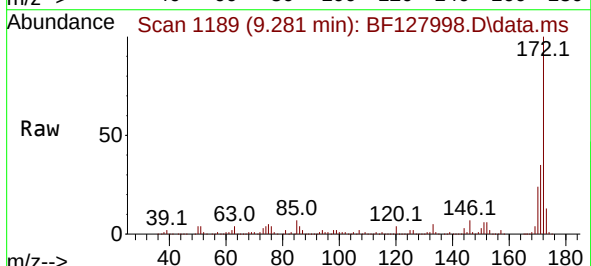
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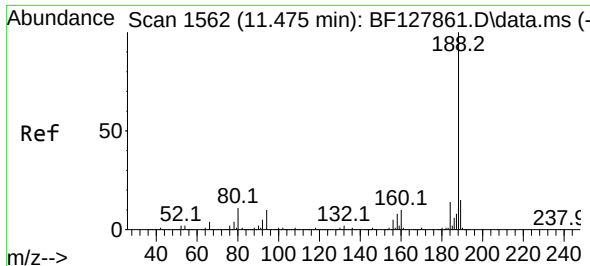
Reviewed By : Christian Giraldo 05/02/2022  
Supervised By : Jagrut Upadhyay 05/02/2022



#45  
2-Fluorobiphenyl  
Concen: 67.093 ng  
RT: 9.281 min Scan# 1189  
Delta R.T. -0.012 min  
Lab File: BF127998.D  
Acq: 29 Apr 2022 16:48

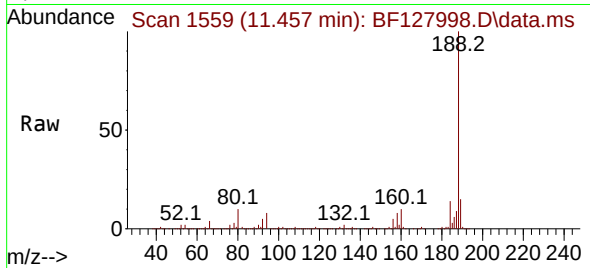
Tgt Ion: 172 Resp: 938586  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.6 42.8  
170 23.7 19.1 28.7





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.457 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF127998.D  
Acq: 29 Apr 2022 16:48

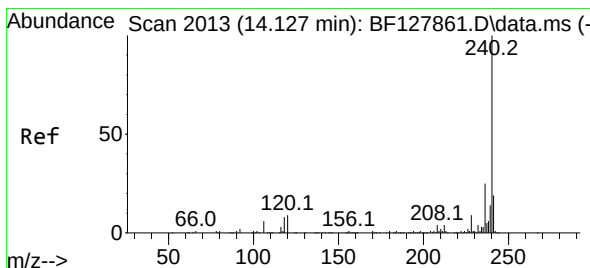
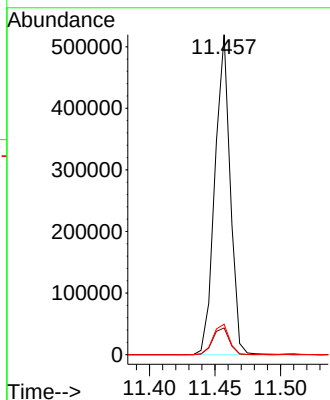
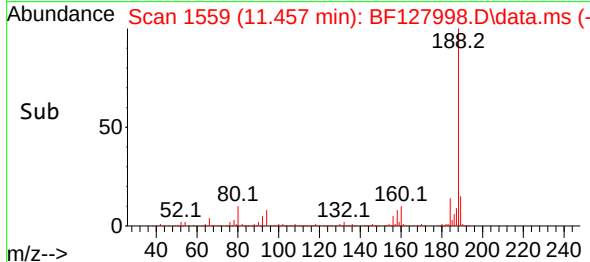
Instrument :  
BNA\_F  
ClientSampleId :  
MH-18D



Tgt Ion:188 Resp: 42115  
Ion Ratio Lower Upper  
188 100  
94 8.4 8.0 12.0  
80 9.5 8.9 13.3

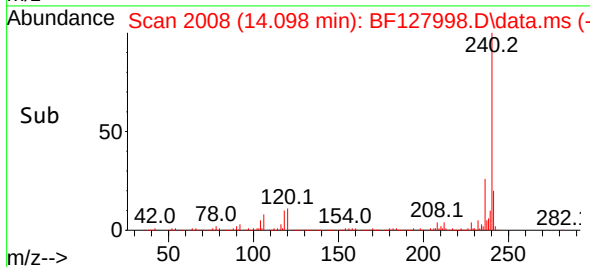
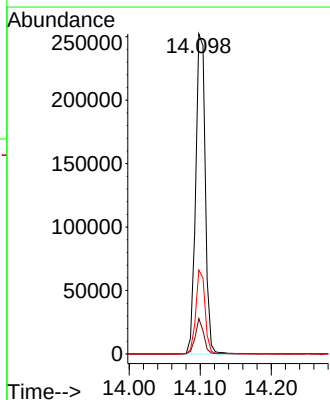
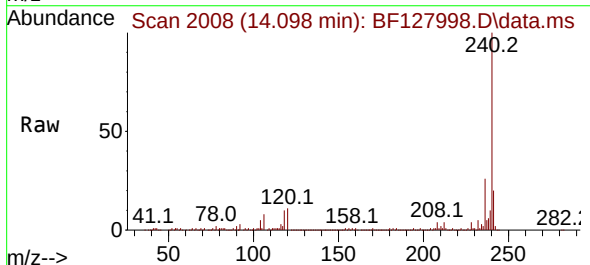
Manual Integrations  
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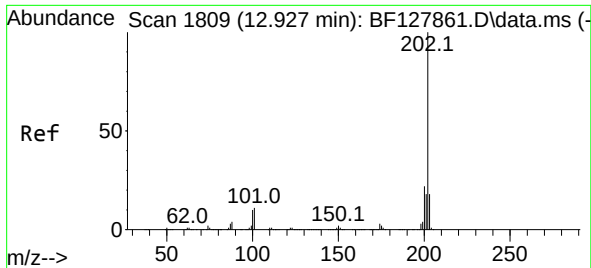
Reviewed By :Christian Giraldo 05/02/2022  
Supervised By :Jagrut Upadhyay 05/02/2022



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.098 min Scan# 2008  
Delta R.T. -0.017 min  
Lab File: BF127998.D  
Acq: 29 Apr 2022 16:48

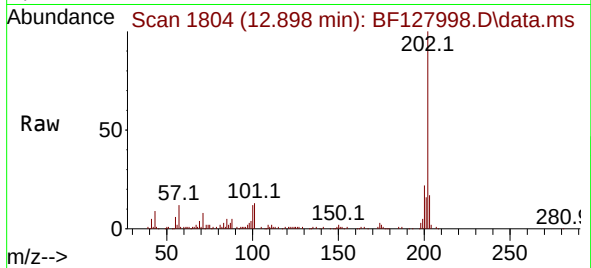
Tgt Ion:240 Resp: 238578  
Ion Ratio Lower Upper  
240 100  
120 11.0 7.0 10.6#  
236 26.2 20.3 30.5





#78  
Pyrene  
Concen: 2.389 ng  
RT: 12.898 min Scan# 1804  
Delta R.T. -0.017 min  
Lab File: BF127998.D  
Acq: 29 Apr 2022 16:48

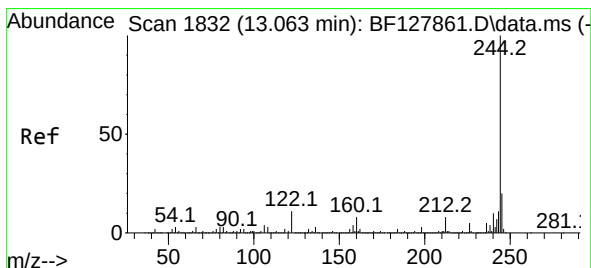
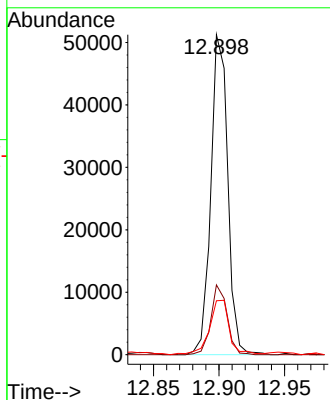
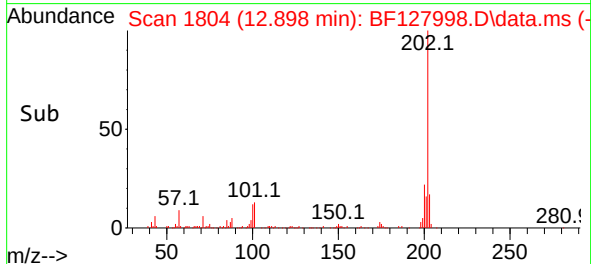
Instrument :  
BNA\_F  
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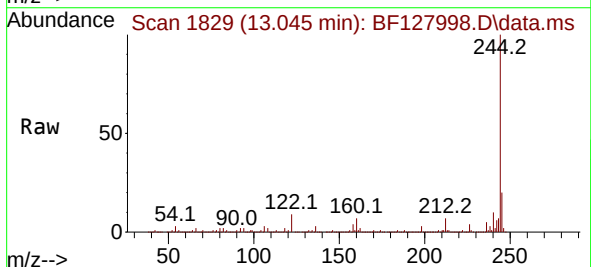
Tgt Ion:202 Resp: 4600  
Ion Ratio Lower Upper  
202 100  
200 21.8 17.4 26.2  
203 16.8 14.0 21.0

Manual Integrations  
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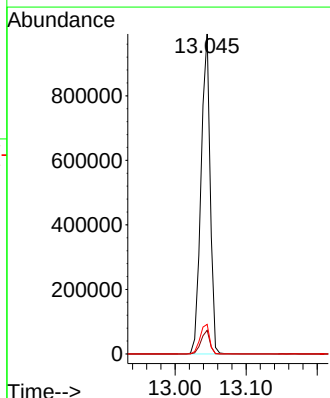
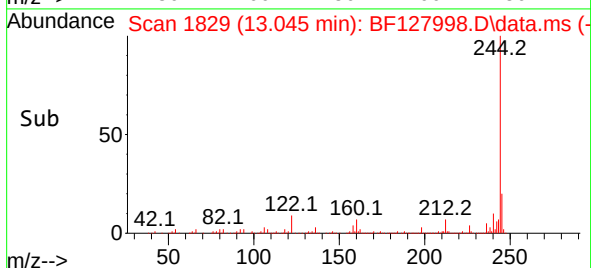
Reviewed By :Christian Giraldo 05/02/2022  
Supervised By :Jagrut Upadhyay 05/02/2022



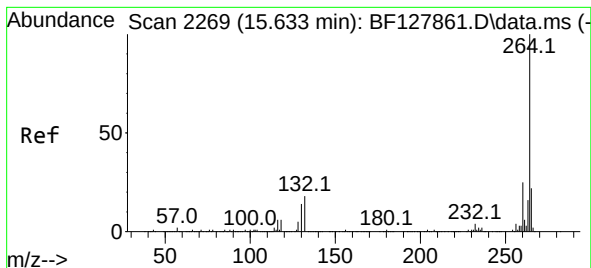
#79  
Terphenyl-d14  
Concen: 67.944 ng  
RT: 13.045 min Scan# 1829  
Delta R.T. -0.012 min  
Lab File: BF127998.D  
Acq: 29 Apr 2022 16:48



Tgt Ion:244 Resp: 886492  
Ion Ratio Lower Upper  
244 100  
212 7.4 6.2 9.4  
122 9.2 8.6 12.8

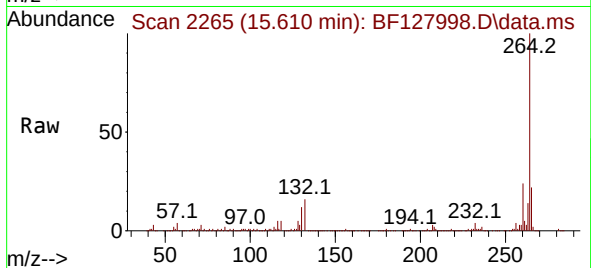






#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.610 min Scan# 2188  
Delta R.T. -0.012 min  
Lab File: BF127998.D  
Acq: 29 Apr 2022 16:48

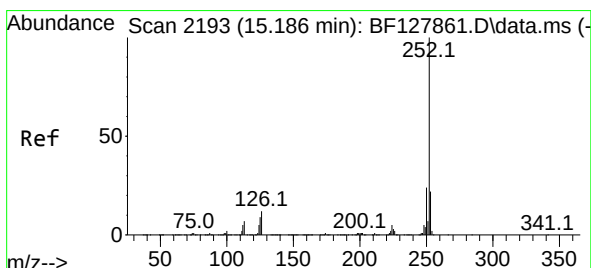
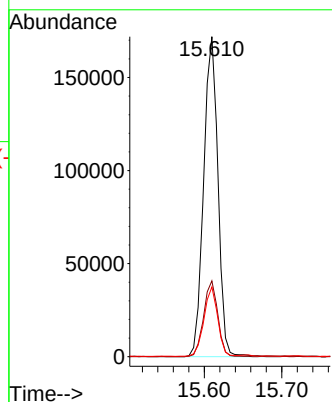
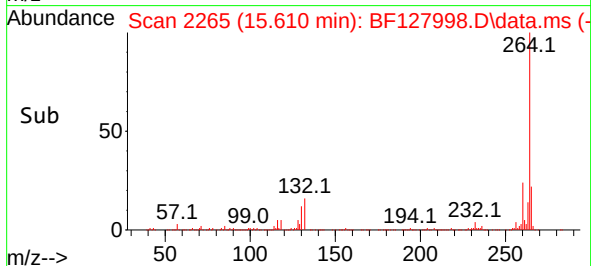
Instrument :  
BNA\_F  
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MH-18D



Tgt Ion:264 Resp: 22010  
Ion Ratio Lower Upper  
264 100  
260 23.7 20.1 30.1  
265 21.8 17.5 26.3

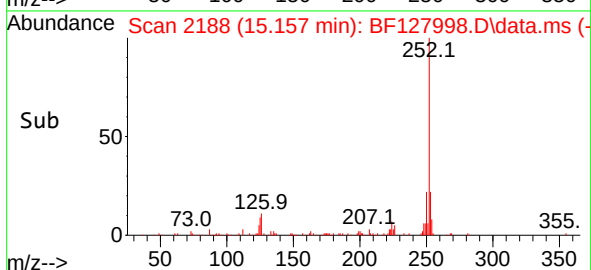
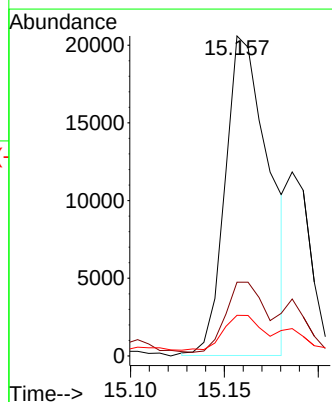
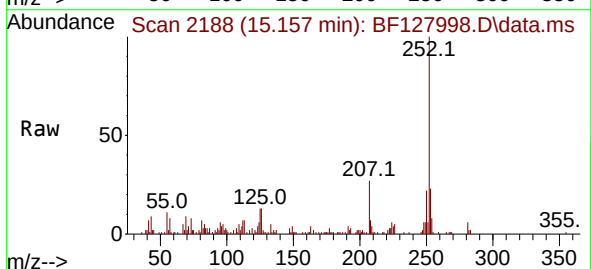
Manual Integrations  
APPROVED

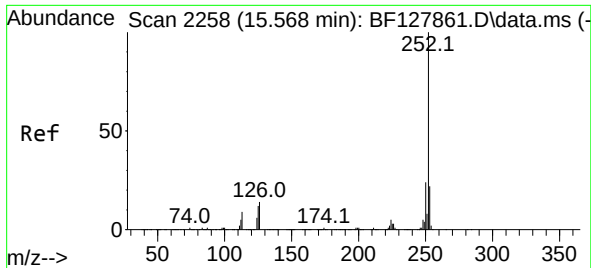
Reviewed By :Christian Giraldo 05/02/2022  
Supervised By :Jagrut Upadhyay 05/02/2022



#88  
Benzo(b)fluoranthene  
Concen: 2.405 ng m  
RT: 15.157 min Scan# 2188  
Delta R.T. -0.018 min  
Lab File: BF127998.D  
Acq: 29 Apr 2022 16:48

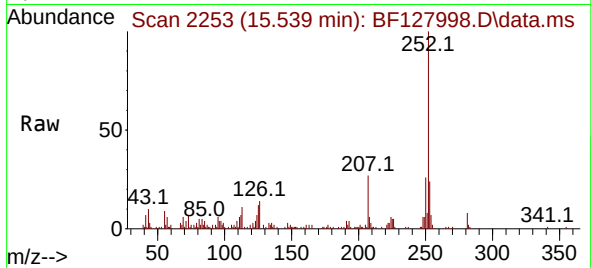
Tgt Ion:252 Resp: 33248  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.4 26.2  
125 12.7 7.4 11.2#





#90  
Benzo(a)pyrene  
Concen: 2.106 ng  
RT: 15.539 min Scan# 21  
Delta R.T. -0.017 min  
Lab File: BF127998.D  
Acq: 29 Apr 2022 16:48

Instrument :  
BNA\_F  
ClientSampleId :  
MH-18D



Tgt Ion:252 Resp: 24152  
Ion Ratio Lower Upper  
252 100  
253 24.3 17.8 26.6  
125 11.8 9.2 13.8

Manual Integrations  
APPROVED

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Supervised By :Jagrut Upadhyay 05/02/2022

