

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP033122\  
 Data File : BP009643.D  
 Acq On : 31 Mar 2022 17:16  
 Operator : CG/JU  
 Sample : N2195-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 TP-1-1-5FT

Quant Time: Apr 01 04:10:32 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 31 04:36:51 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Christian Giraldo 04/01/2022  
 Supervised By :Jagrut Upadhyay 04/01/2022

Supervised By :Jagrut  
 Upadhyay  
 04/01/2022

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.740  | 152  | 354664   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.534 | 136  | 1416280  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.392 | 164  | 793135   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.157 | 188  | 1537868  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.274 | 240  | 1603120  | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 23.663 | 264  | 1782774  | 20.000 | ng    | 0.01     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.346  | 112  | 1878548  | 92.477 | ng    | 0.00     |
| 7) Phenol-d6                | 6.934  | 99   | 2442061  | 88.895 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.899  | 82   | 1574972  | 59.095 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.892 | 330  | 992762   | 75.852 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.010 | 172  | 3303775  | 57.745 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.739 | 244  | 4253248  | 47.620 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 17.198 | 178  | 366124   | 4.447  | ng    | 99       |
| 75) Fluoranthene            | 19.186 | 202  | 825720   | 8.285  | ng    | 97       |
| 78) Pyrene                  | 19.539 | 202  | 768953   | 7.279  | ng    | 98       |
| 81) Benzo(a)anthracene      | 21.263 | 228  | 419069   | 3.979  | ng    | 96       |
| 83) Chrysene                | 21.310 | 228  | 375346m  | 3.764  | ng    |          |
| 88) Benzo(b)fluoranthene    | 22.939 | 252  | 494810m  | 4.649  | ng    |          |
| 90) Benzo(a)pyrene          | 23.557 | 252  | 381785   | 4.193  | ng    | # 93     |
| 92) Benzo(g,h,i)perylene    | 26.909 | 276  | 236907   | 2.136  | ng    | # 92     |
| -----                       |        |      |          |        |       |          |

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

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Acq On : 31 Mar 2022 17:16  
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Sample : N2195-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

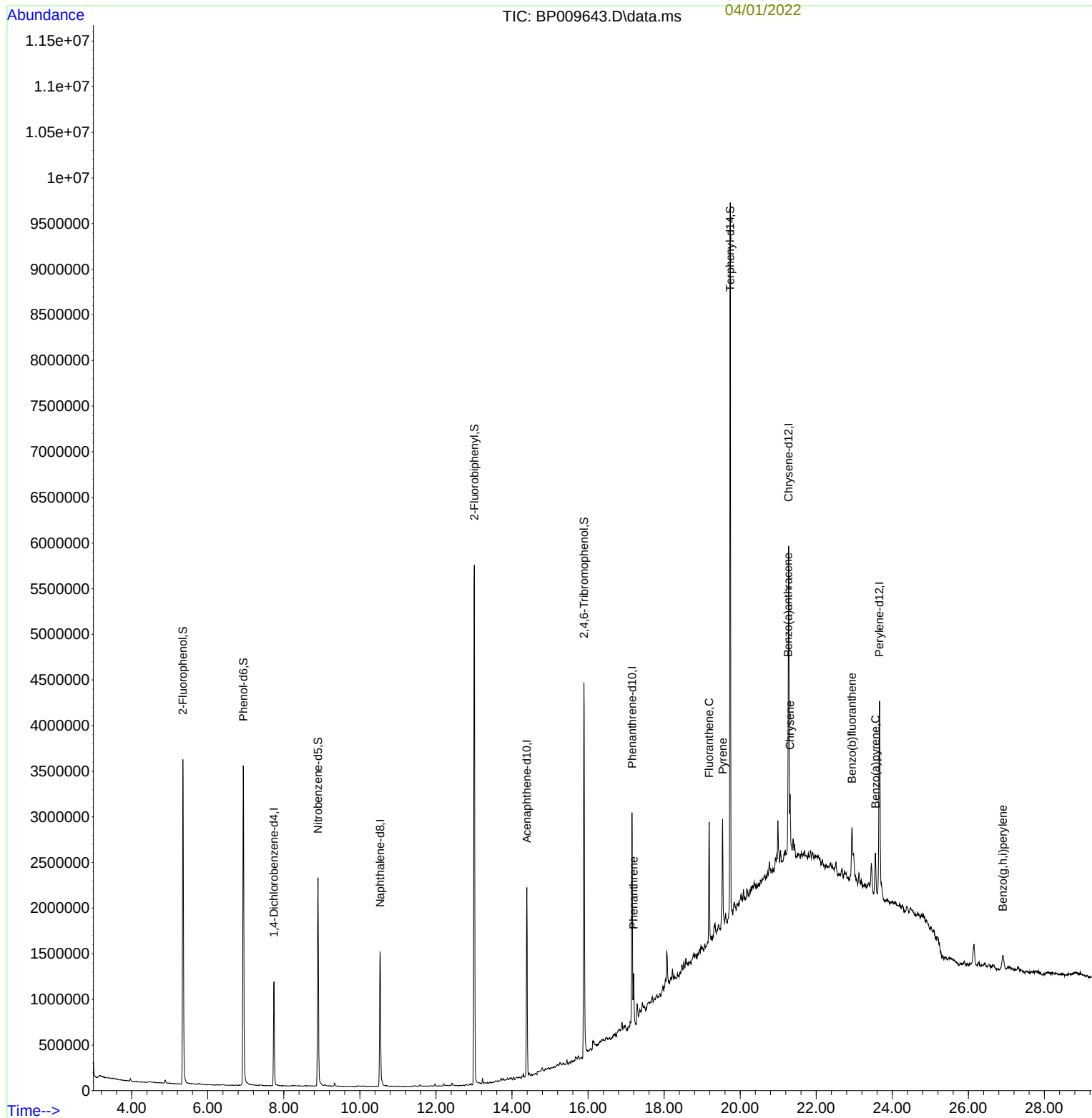
Instrument :  
BNA\_P  
ClientSampleId :  
TP-1-1-5FT

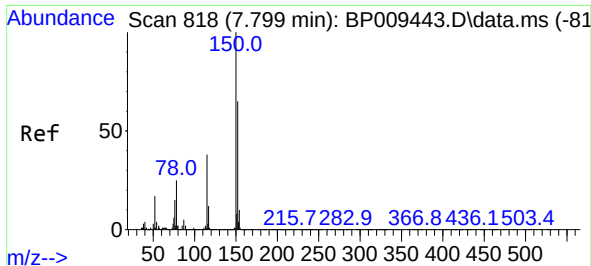
Quant Time: Apr 01 04:10:32 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP031722.M  
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Manual Integrations  
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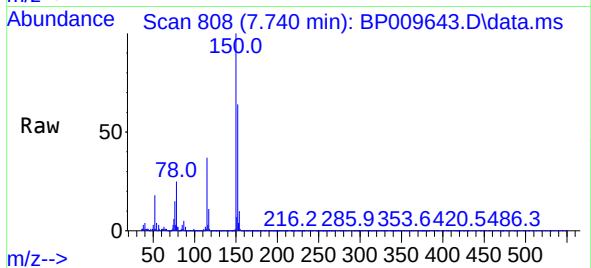
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04/01/2022





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.740 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: BP009643.D  
Acq: 31 Mar 2022 17:16

Instrument :  
BNA\_P  
ClientSampleId :  
TP-1-1-5FT

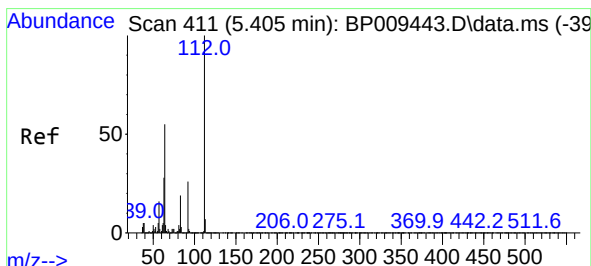
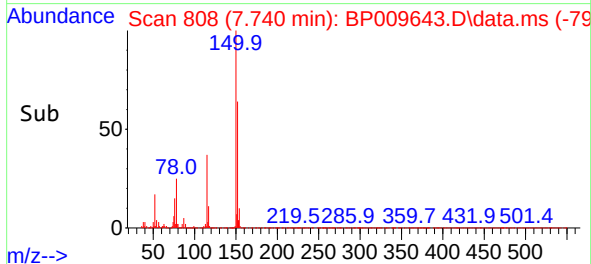
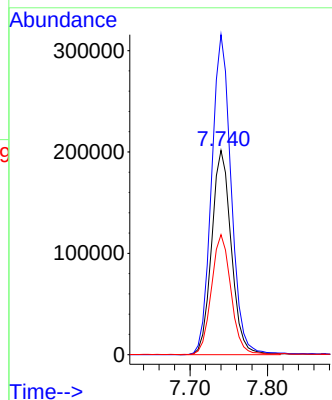


Tgt Ion:152 Resp: 354664  
Ion Ratio Lower Upper  
152 100  
150 156.7 124.5 186.7  
115 58.7 48.2 72.4

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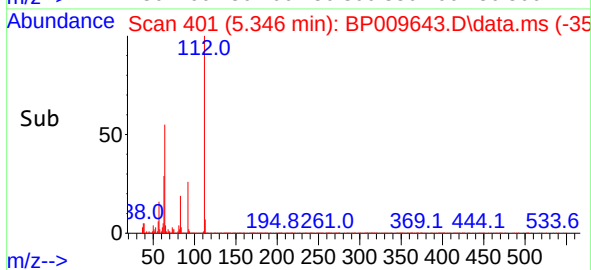
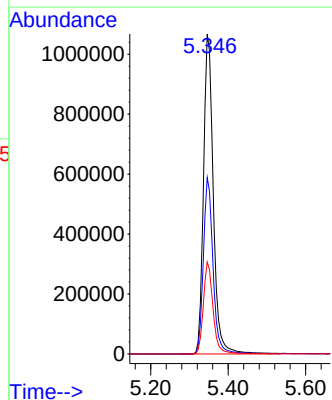
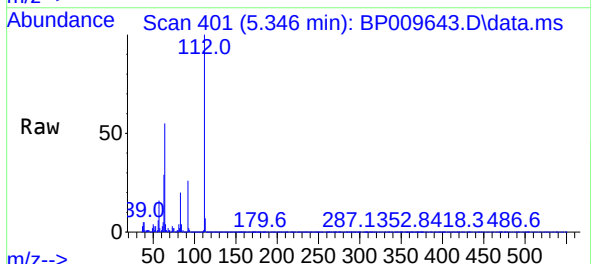
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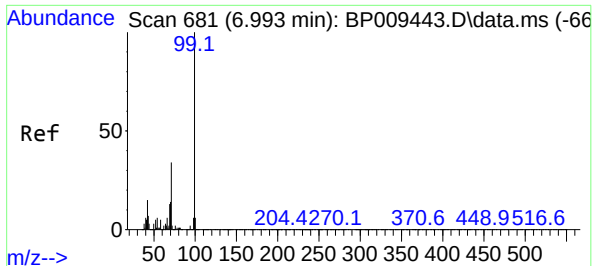
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#5  
2-Fluorophenol  
Concen: 92.477 ng  
RT: 5.346 min Scan# 401  
Delta R.T. 0.000 min  
Lab File: BP009643.D  
Acq: 31 Mar 2022 17:16

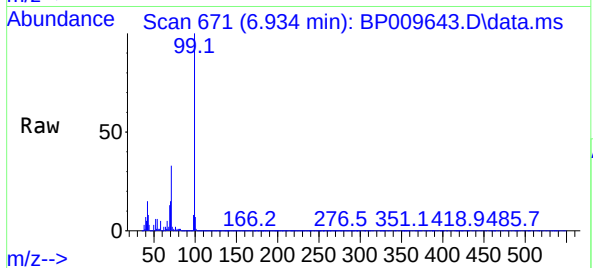
Tgt Ion:112 Resp: 1878548  
Ion Ratio Lower Upper  
112 100  
64 55.1 45.0 67.4  
63 28.8 23.0 34.6





Phenol-d6  
Concen: 88.895 ng  
RT: 6.934 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BP009643.D  
Acq: 31 Mar 2022 17:16

Instrument :  
BNA\_P  
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TP-1-1-5FT

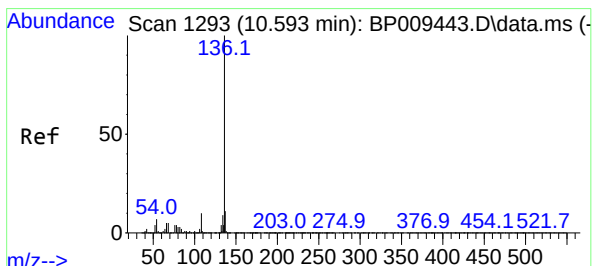
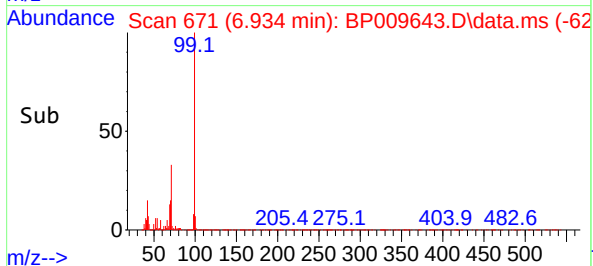
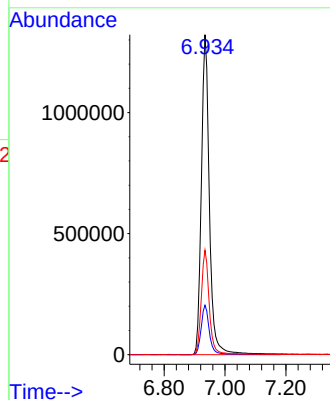


Tgt Ion: 99 Resp: 244206  
Ion Ratio Lower Upper  
99 100  
42 15.4 12.8 19.2  
71 32.7 26.3 39.5

Manual Integrations  
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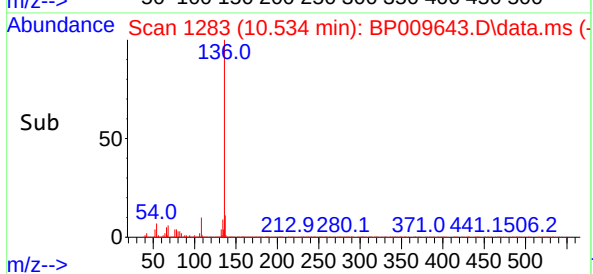
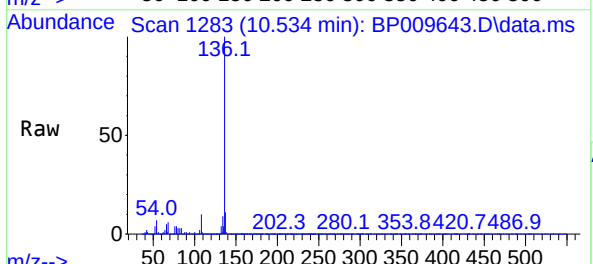
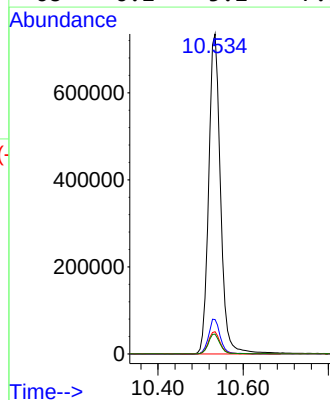
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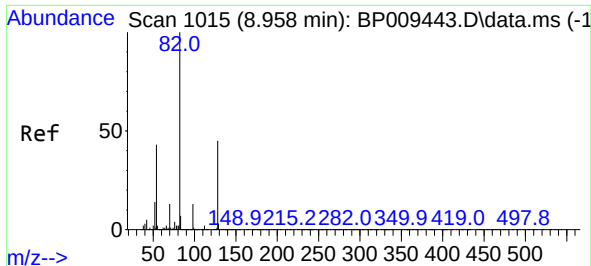
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#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.534 min Scan# 1283  
Delta R.T. 0.000 min  
Lab File: BP009643.D  
Acq: 31 Mar 2022 17:16

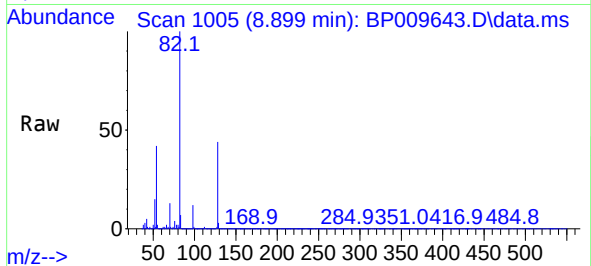
Tgt Ion:136 Resp: 1416280  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 12.8  
54 7.0 5.8 8.8  
68 6.2 5.2 7.8





#23  
Nitrobenzene-d5  
Concen: 59.095 ng  
RT: 8.899 min Scan# 1015  
Delta R.T. 0.000 min  
Lab File: BP009643.D  
Acq: 31 Mar 2022 17:16

Instrument :  
BNA\_P  
ClientSampleId :  
TP-1-1-5FT

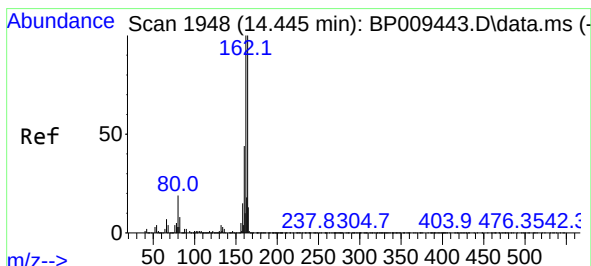
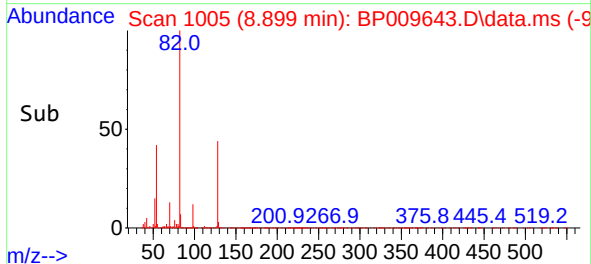
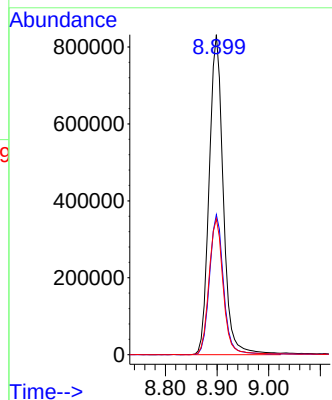


Tgt Ion: 82 Resp: 157497  
Ion Ratio Lower Upper  
82 100  
128 43.7 34.2 51.4  
54 42.5 34.7 52.1

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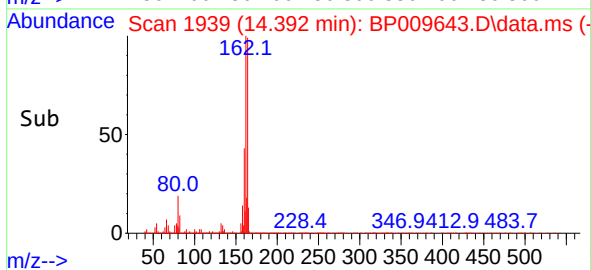
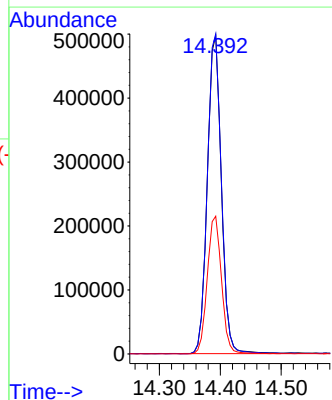
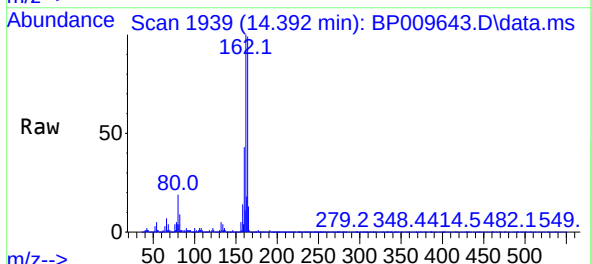
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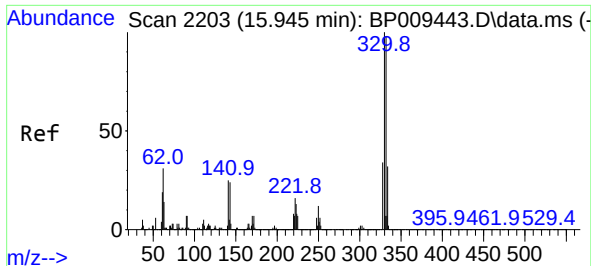
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04/01/2022



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.392 min Scan# 1939  
Delta R.T. 0.000 min  
Lab File: BP009643.D  
Acq: 31 Mar 2022 17:16

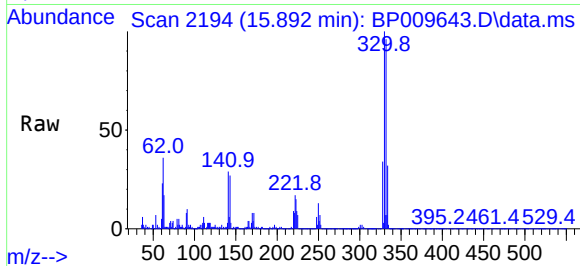
Tgt Ion:164 Resp: 793135  
Ion Ratio Lower Upper  
164 100  
162 100.5 79.1 118.7  
160 43.3 34.9 52.3





#42  
2,4,6-Tribromophenol  
Concen: 75.852 ng  
RT: 15.892 min Scan# 2194  
Delta R.T. 0.000 min  
Lab File: BP009643.D  
Acq: 31 Mar 2022 17:16

Instrument :  
BNA\_P  
ClientSampleId :  
TP-1-1-5FT

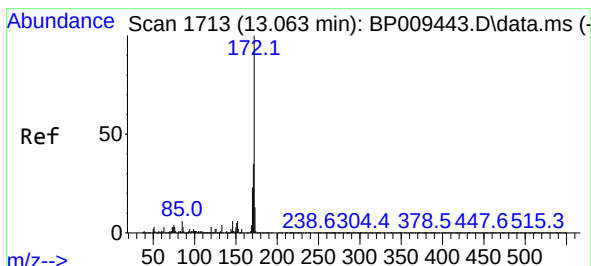
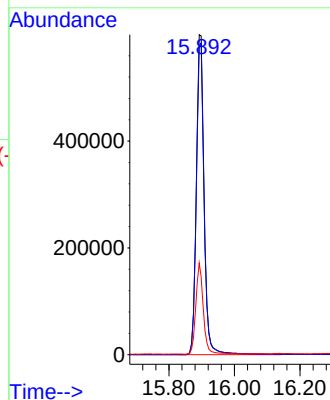
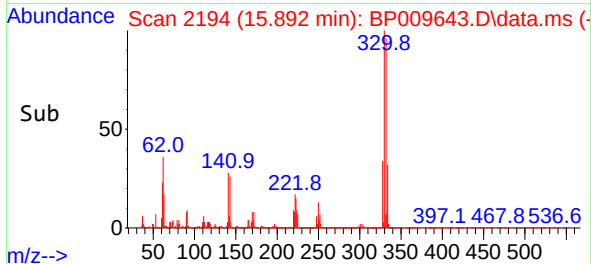


Tgt Ion:330 Resp: 992762  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.0 115.6  
141 27.4 27.6 41.4

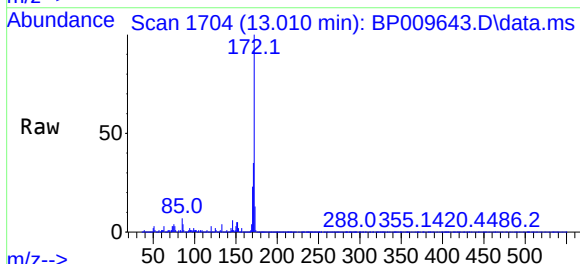
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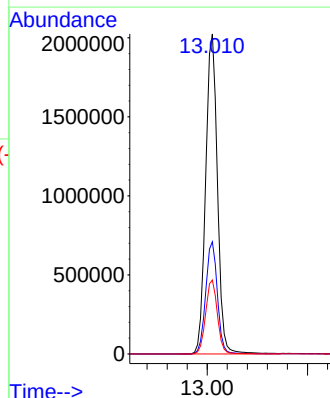
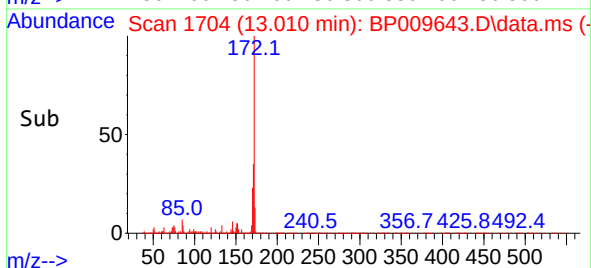
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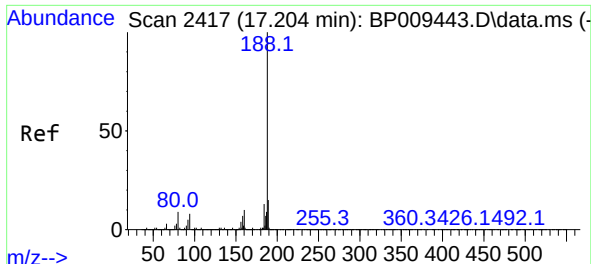


#45  
2-Fluorobiphenyl  
Concen: 57.745 ng  
RT: 13.010 min Scan# 1704  
Delta R.T. 0.000 min  
Lab File: BP009643.D  
Acq: 31 Mar 2022 17:16



Tgt Ion:172 Resp: 3303775  
Ion Ratio Lower Upper  
172 100  
171 35.0 28.0 42.0  
170 23.1 18.6 27.8





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.157 min Scan# 2416  
Delta R.T. 0.000 min  
Lab File: BP009643.D  
Acq: 31 Mar 2022 17:16

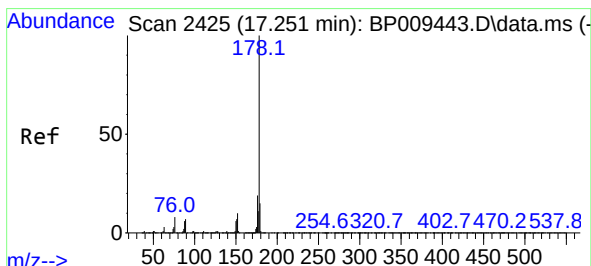
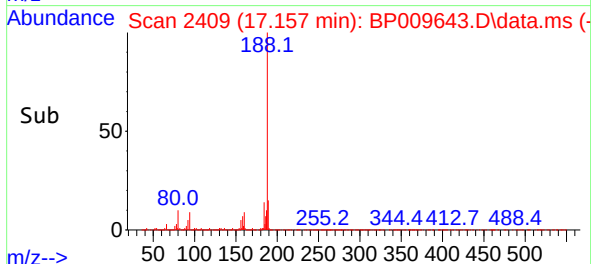
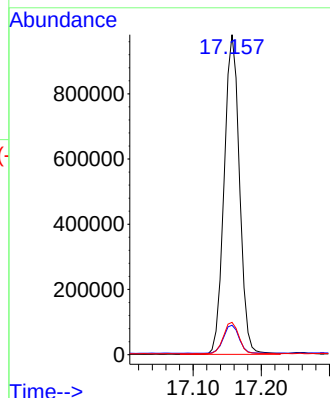
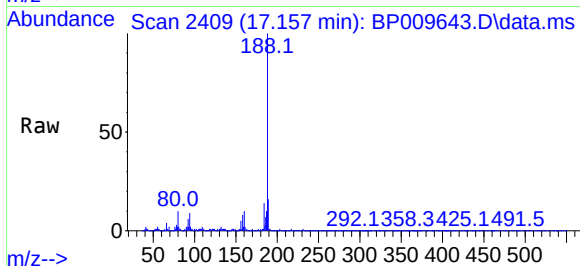
Instrument :  
BNA\_P  
ClientSampleId :  
TP-1-1-5FT

Tgt Ion:188 Resp: 153786  
Ion Ratio Lower Upper  
188 100  
94 9.2 7.9 11.9  
80 10.1 8.8 13.2

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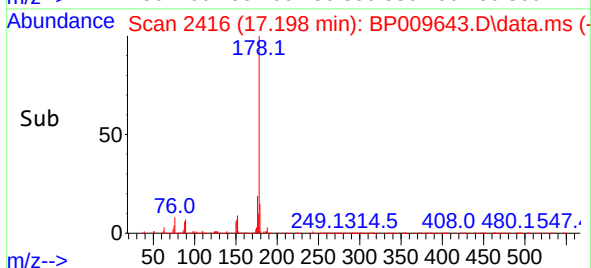
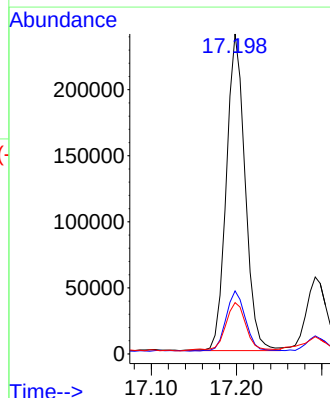
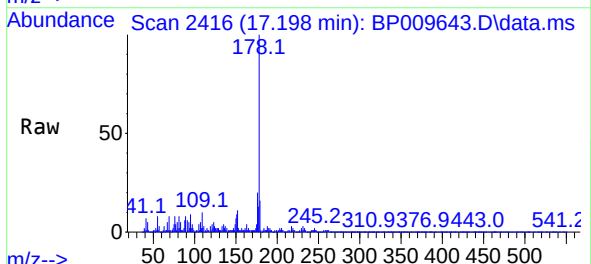
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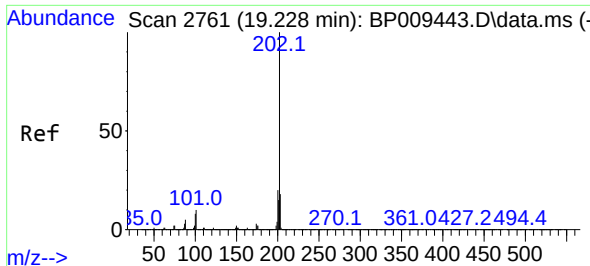
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04/01/2022



#71  
Phenanthrene  
Concen: 4.447 ng  
RT: 17.198 min Scan# 2416  
Delta R.T. 0.000 min  
Lab File: BP009643.D  
Acq: 31 Mar 2022 17:16

Tgt Ion:178 Resp: 366124  
Ion Ratio Lower Upper  
178 100  
176 19.7 15.4 23.2  
179 16.0 12.3 18.5





#75  
Fluoranthene  
Concen: 8.285 ng  
RT: 19.186 min Scan# 2109  
Delta R.T. 0.006 min  
Lab File: BP009643.D  
Acq: 31 Mar 2022 17:16

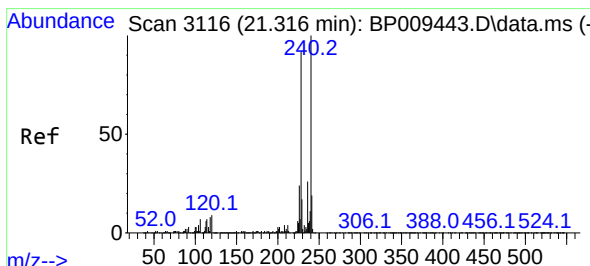
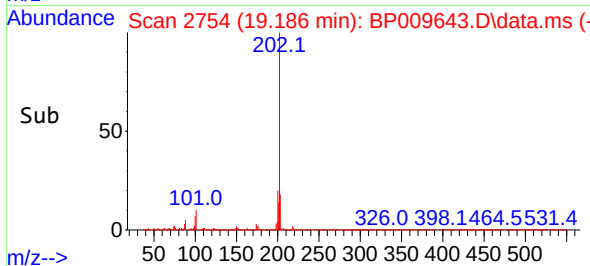
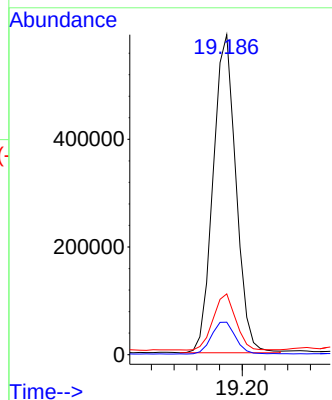
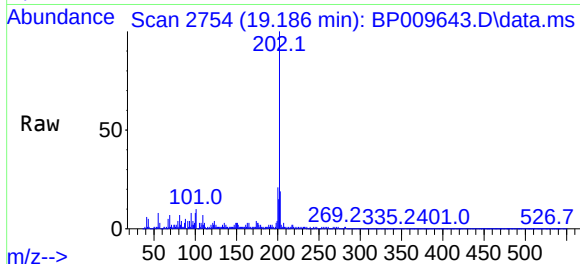
Instrument :  
BNA\_P  
ClientSampleId :  
TP-1-1-5FT

Tgt Ion:202 Resp: 825720  
Ion Ratio Lower Upper  
202 100  
101 10.2 0.0 31.5  
203 19.0 0.0 37.8

### Manual Integrations APPROVED

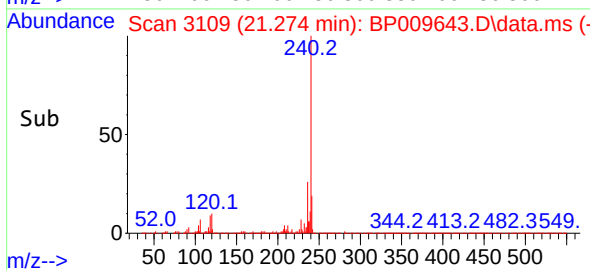
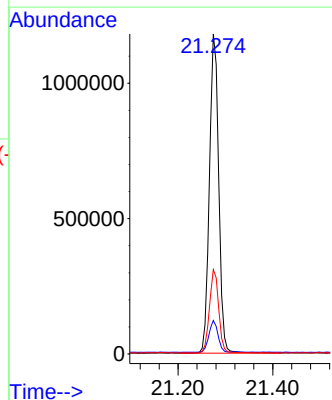
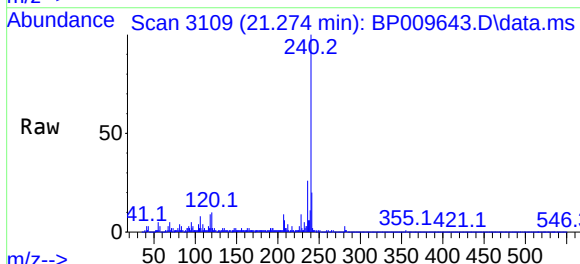
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Upadhyay  
04/01/2022

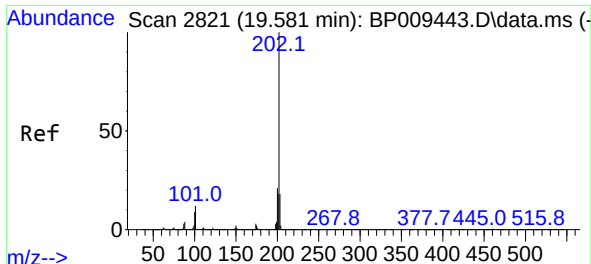


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.274 min Scan# 3109  
Delta R.T. 0.000 min  
Lab File: BP009643.D  
Acq: 31 Mar 2022 17:16

Tgt Ion:240 Resp: 1603120  
Ion Ratio Lower Upper  
240 100  
120 10.4 9.0 13.4  
236 26.4 20.6 30.8

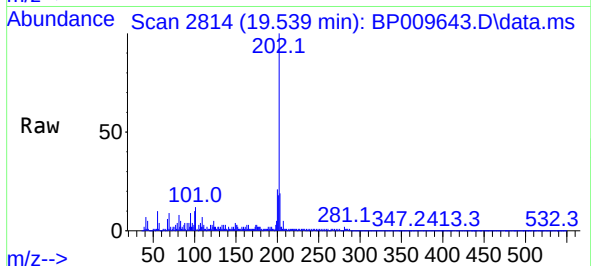






#78  
Pyrene  
Concen: 7.279 ng  
RT: 19.539 min Scan# 2814  
Delta R.T. 0.000 min  
Lab File: BP009643.D  
Acq: 31 Mar 2022 17:16

Instrument :  
BNA\_P  
ClientSampleId :  
TP-1-1-5FT

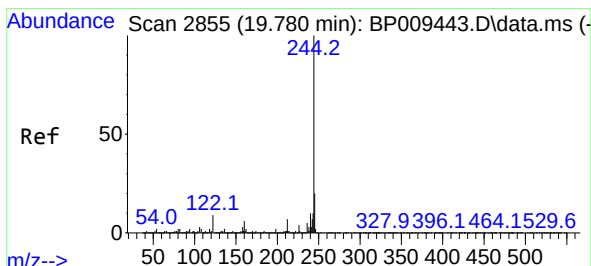
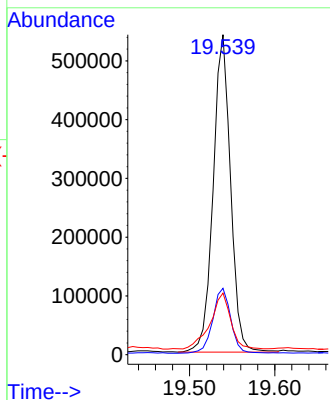
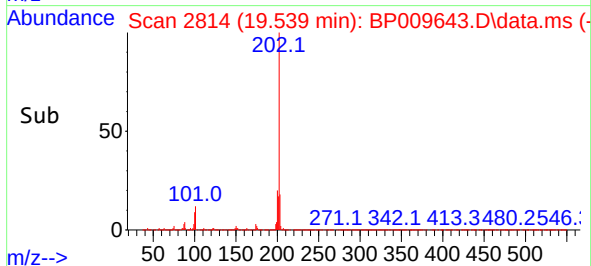


Tgt Ion:202 Resp: 76895  
Ion Ratio Lower Upper  
202 100  
200 20.8 16.8 25.2  
203 19.2 14.2 21.4

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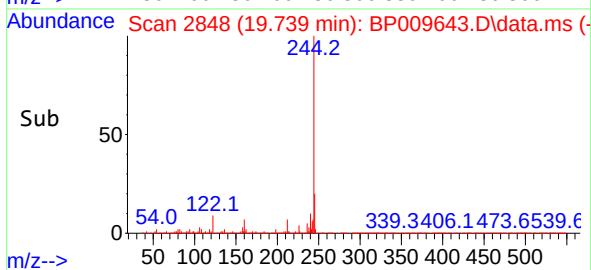
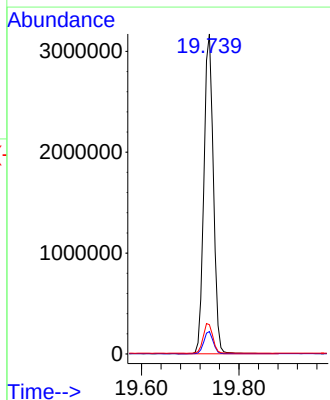
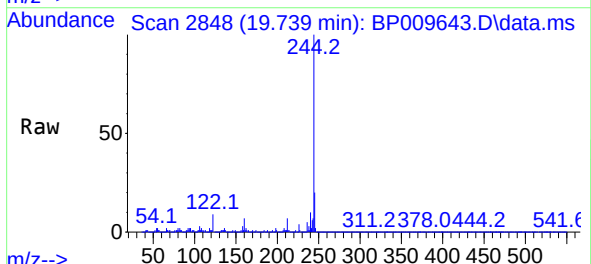
Reviewed By :Christian Giraldo 04/01/2022  
Supervised By :Jagrut Upadhyay 04/01/2022

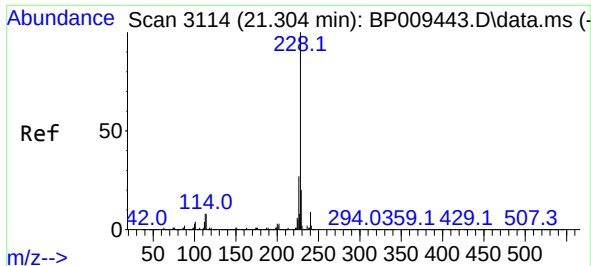
Supervised By :Jagrut  
Upadhyay  
04/01/2022



#79  
Terphenyl-d14  
Concen: 47.620 ng  
RT: 19.739 min Scan# 2848  
Delta R.T. 0.000 min  
Lab File: BP009643.D  
Acq: 31 Mar 2022 17:16

Tgt Ion:244 Resp: 4253248  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.8 8.6  
122 9.2 8.3 12.5





#81  
Benzo(a)anthracene  
Concen: 3.979 ng  
RT: 21.263 min Scan# 3114  
Delta R.T. 0.000 min  
Lab File: BP009643.D  
Acq: 31 Mar 2022 17:16

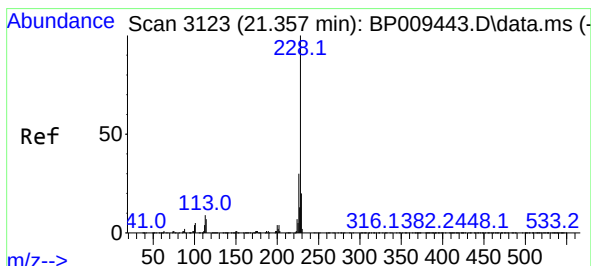
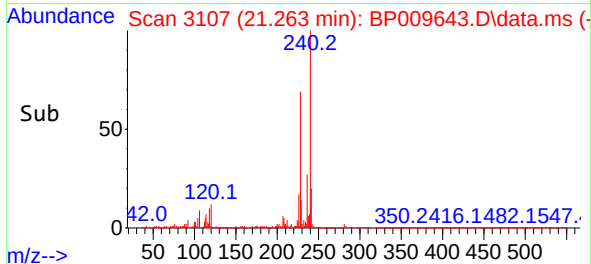
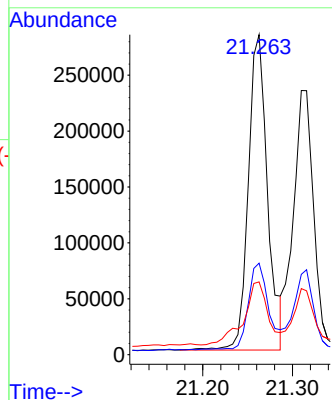
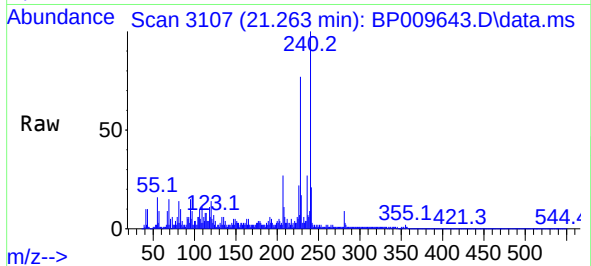
Instrument :  
BNA\_P  
ClientSampleId :  
TP-1-1-5FT

Tgt Ion:228 Resp: 419069  
Ion Ratio Lower Upper  
228 100  
226 28.6 22.0 33.0  
229 22.8 16.1 24.1

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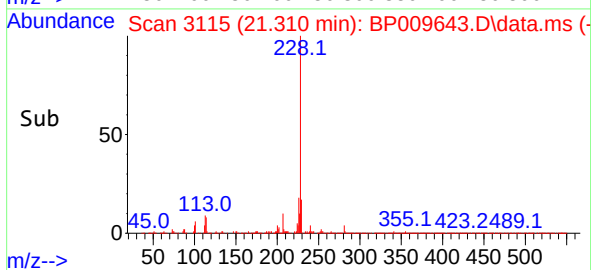
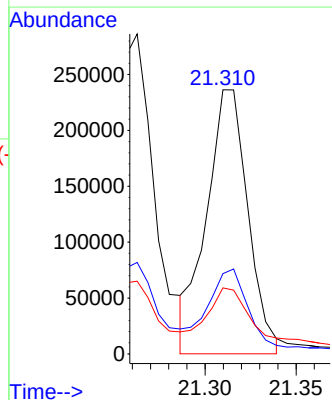
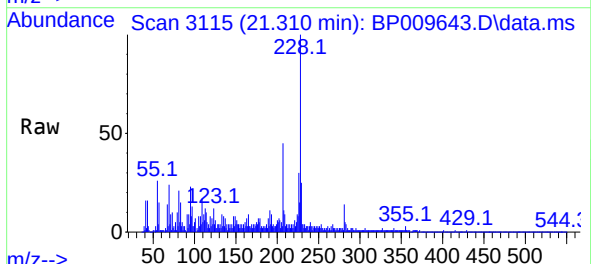
Reviewed By :Christian Giraldo 04/01/2022  
Supervised By :Jagrut Upadhyay 04/01/2022

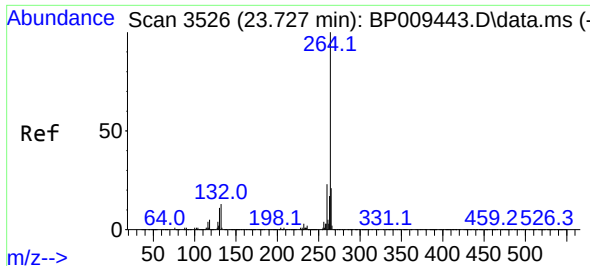
Supervised By :Jagrut  
Upadhyay  
04/01/2022



#83  
Chrysene  
Concen: 3.764 ng m  
RT: 21.310 min Scan# 3115  
Delta R.T. 0.000 min  
Lab File: BP009643.D  
Acq: 31 Mar 2022 17:16

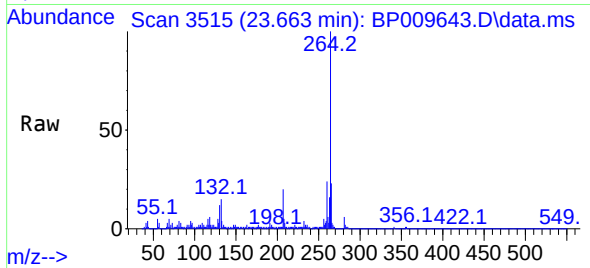
Tgt Ion:228 Resp: 375346  
Ion Ratio Lower Upper  
228 100  
226 30.4 24.2 36.2  
229 25.0 16.1 24.1#





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.663 min Scan# 31  
Delta R.T. 0.012 min  
Lab File: BP009643.D  
Acq: 31 Mar 2022 17:16

Instrument :  
BNA\_P  
ClientSampleId :  
TP-1-1-5FT

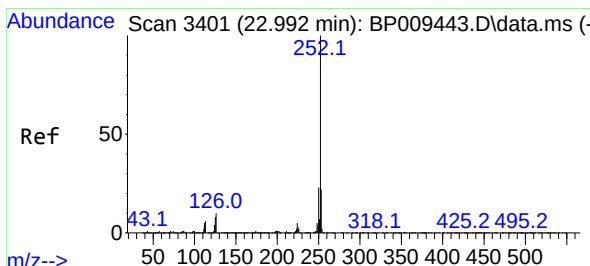
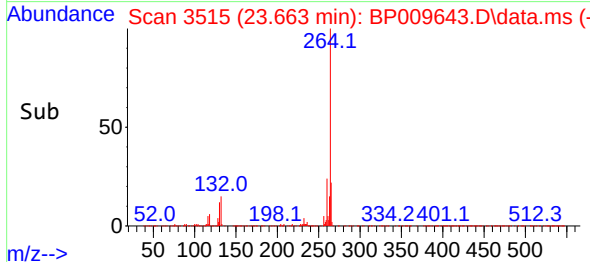
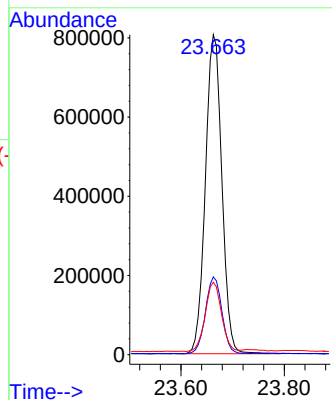


Tgt Ion:264 Resp: 1782774  
Ion Ratio Lower Upper  
264 100  
260 24.3 19.4 29.0  
265 22.6 17.2 25.8

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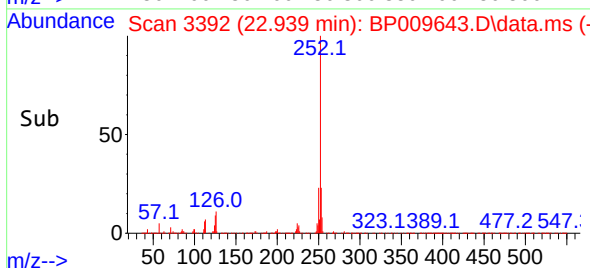
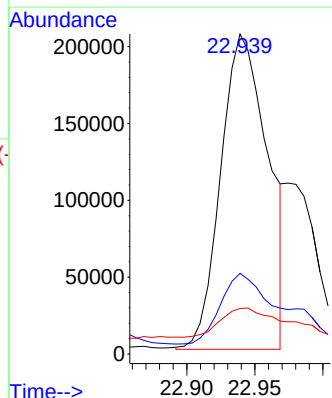
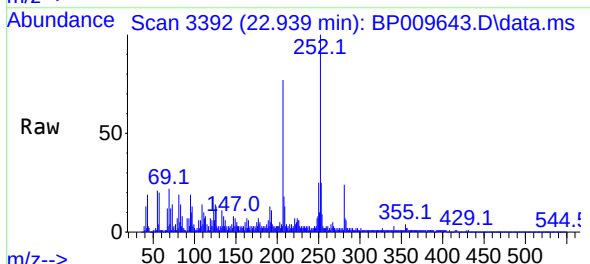
Reviewed By :Christian Giraldo 04/01/2022  
Supervised By :Jagrut Upadhyay 04/01/2022

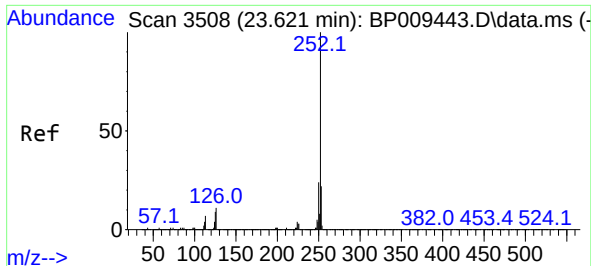
Supervised By :Jagrut  
Upadhyay  
04/01/2022



#88  
Benzo(b)fluoranthene  
Concen: 4.649 ng m  
RT: 22.939 min Scan# 3392  
Delta R.T. 0.012 min  
Lab File: BP009643.D  
Acq: 31 Mar 2022 17:16

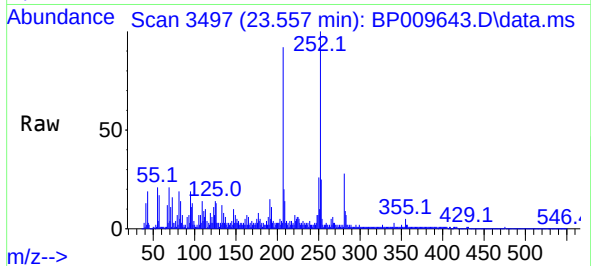
Tgt Ion:252 Resp: 494810  
Ion Ratio Lower Upper  
252 100  
253 25.2 17.8 26.8  
125 14.2 8.1 12.1#





#90  
Benzo(a)pyrene  
Concen: 4.193 ng  
RT: 23.557 min Scan# 34  
Delta R.T. 0.006 min  
Lab File: BP009643.D  
Acq: 31 Mar 2022 17:16

Instrument :  
BNA\_P  
ClientSampleId :  
TP-1-1-5FT

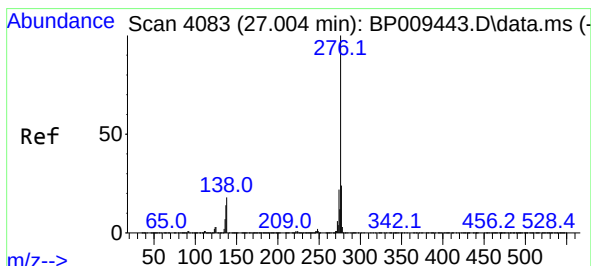
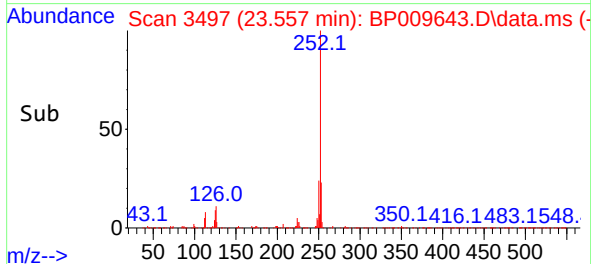
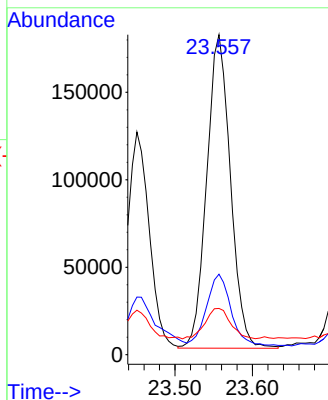


Tgt Ion: 252 Resp: 38178  
Ion Ratio Lower Upper  
252 100  
253 25.2 17.8 26.6  
125 14.5 9.3 13.9

Manual Integrations  
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Reviewed By : Christian Giraldo 04/01/2022  
Supervised By : Jagrut Upadhyay 04/01/2022

Supervised By : Jagrut  
Upadhyay  
04/01/2022



#92  
Benzo(g,h,i)perylene  
Concen: 2.136 ng  
RT: 26.909 min Scan# 4067  
Delta R.T. 0.012 min  
Lab File: BP009643.D  
Acq: 31 Mar 2022 17:16

Tgt Ion: 276 Resp: 236907  
Ion Ratio Lower Upper  
276 100  
277 27.1 19.2 28.8  
138 17.7 18.0 27.0

