

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121321\  
 Data File : BP008388.D  
 Acq On : 13 Dec 2021 21:48  
 Operator : CG/JU  
 Sample : M5051-01DL2 25X  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 P-1DL2

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 12/14/2021  
 Supervised By :Jagrut Upadhyay 12/14/2021

Quant Time: Dec 14 02:21:37 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP112521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 11 03:53:01 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.752  | 152  | 75851    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.546 | 136  | 280497   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.404 | 164  | 187354   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.169 | 188  | 399976   | 20.000 | ng    | #-0.01   |
| 76) Chrysene-d12            | 21.274 | 240  | 451943   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12            | 23.651 | 264  | 503776   | 20.000 | ng    | -0.02    |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.358  | 112  | 14206    | 3.016  | ng    | 0.00     |
| 7) Phenol-d6                | 6.963  | 99   | 17085    | 2.687  | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 8.916  | 82   | 14506    | 2.352  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 15.916 | 330  | 7520     | 3.140  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.022 | 172  | 29726    | 2.305  | ng    | -0.01    |
| 79) Terphenyl-d14           | 19.739 | 244  | 52445    | 2.425  | ng    | -0.02    |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 10.593 | 128  | 838288   | 58.340 | ng    | 99       |
| 37) 2-Methylnaphthalene     | 12.216 | 142  | 79491    | 7.822  | ng    | 98       |
| 38) 1-Methylnaphthalene     | 12.434 | 142  | 41316m   | 4.177  | ng    |          |
| 71) Phenanthrene            | 17.210 | 178  | 136707   | 6.474  | ng    | 99       |
| 75) Fluoranthene            | 19.192 | 202  | 64530    | 2.268  | ng    | 98       |
| -----                       |        |      |          |        |       |          |

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

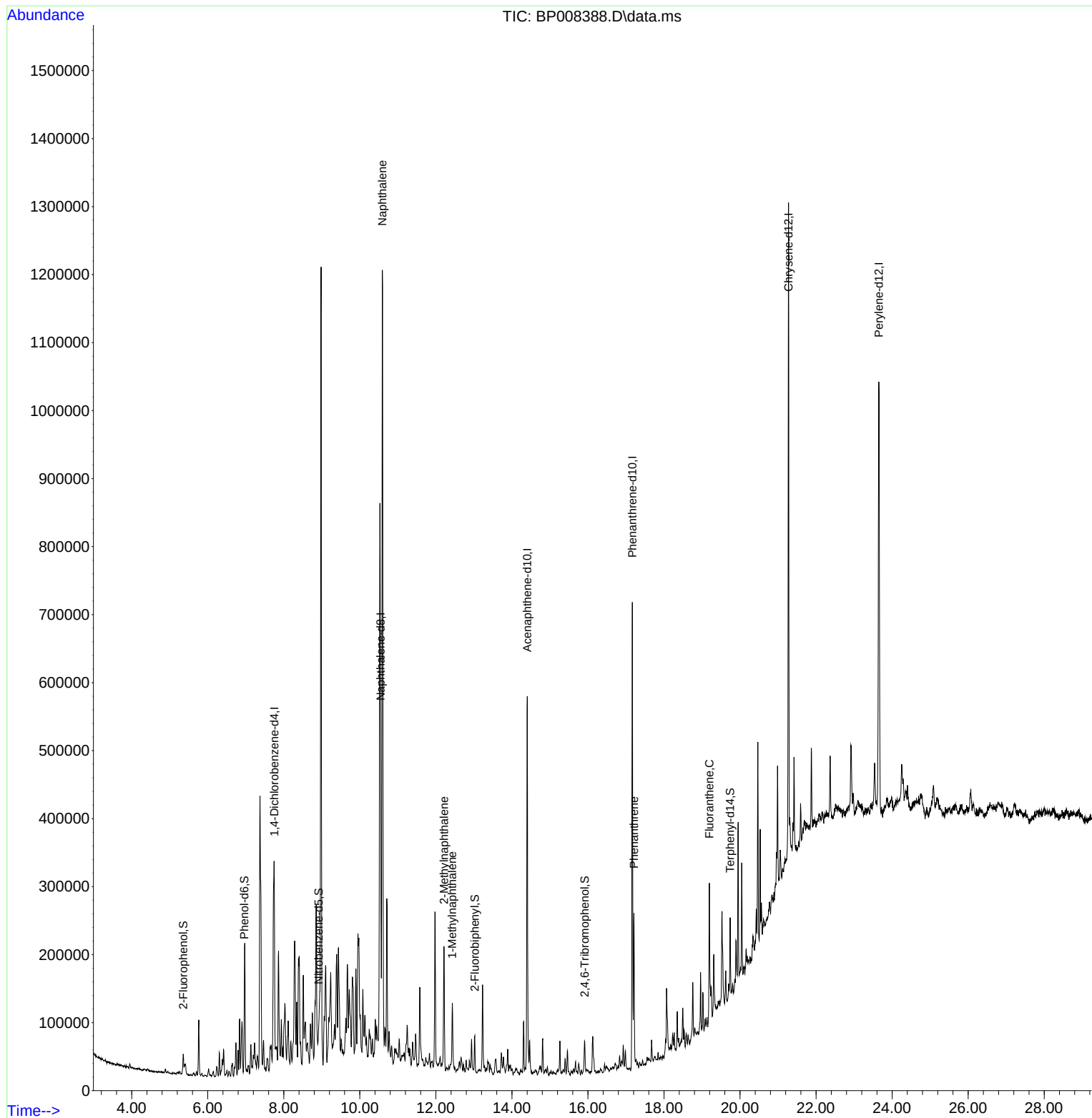
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP121321\  
Data File : BP008388.D  
Acq On : 13 Dec 2021 21:48  
Operator : CG/JU  
Sample : M5051-01DL2 25X  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

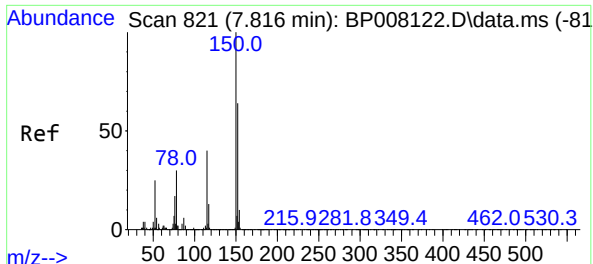
Instrument :  
BNA\_P  
ClientSampleId :  
P-1DL2

Quant Time: Dec 14 02:21:37 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP112521.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 11 03:53:01 2021  
Response via : Initial Calibration

Manual Integrations  
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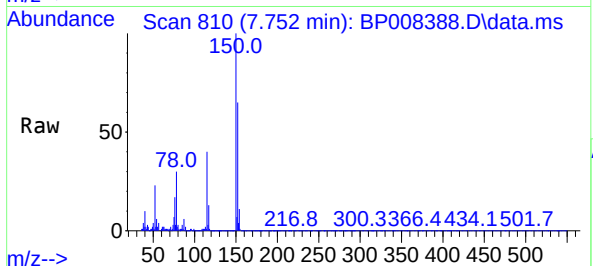
Reviewed By :Christian Giraldo 12/14/2021  
Supervised By :Jagrut Upadhyay 12/14/2021





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.752 min Scan# 81  
Delta R.T. -0.011 min  
Lab File: BP008388.D  
Acq: 13 Dec 2021 21:48

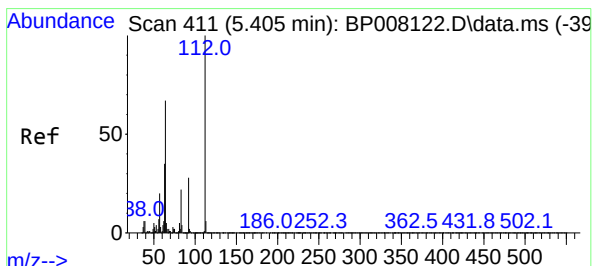
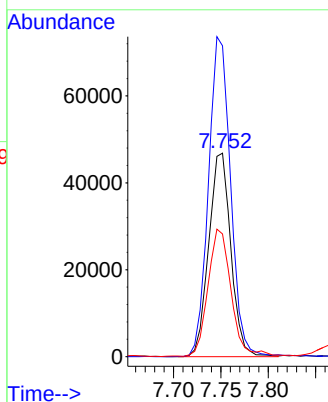
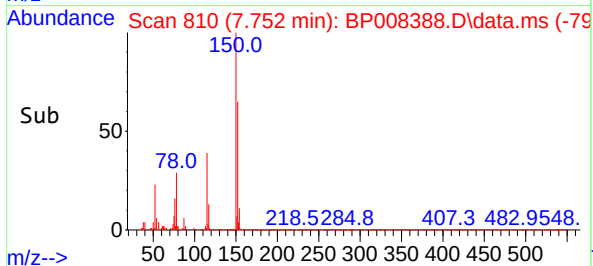
Instrument :  
BNA\_P  
ClientSampleId :  
P-1DL2



Tgt Ion:152 Resp: 7585  
Ion Ratio Lower Upper  
152 100  
150 152.7 125.7 188.5  
115 60.3 50.7 76.1

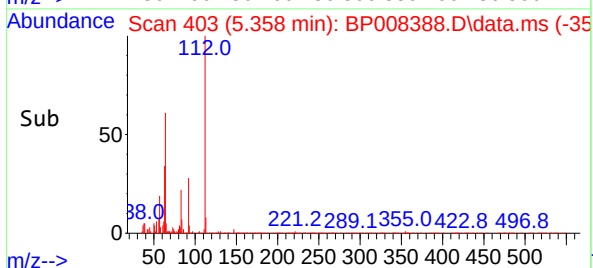
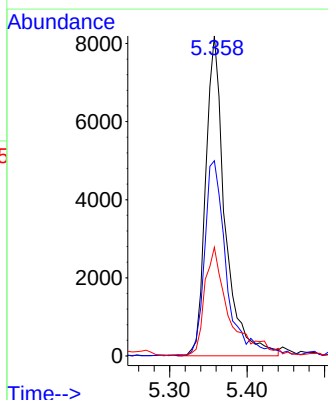
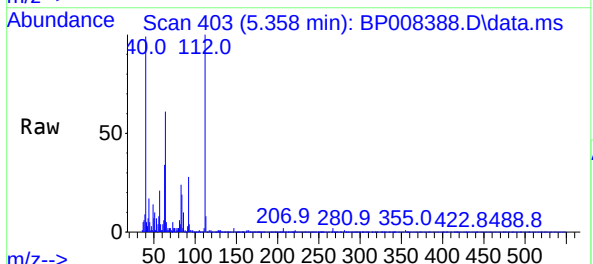
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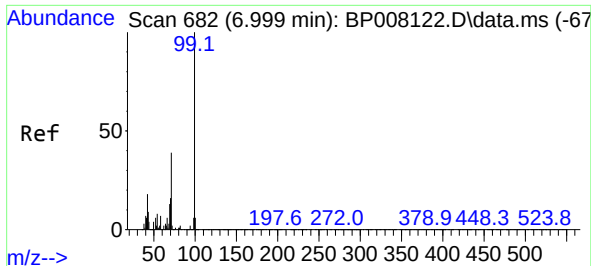
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Supervised By :Jagrut Upadhyay 12/14/2021



#5  
2-Fluorophenol  
Concen: 3.016 ng  
RT: 5.358 min Scan# 403  
Delta R.T. 0.000 min  
Lab File: BP008388.D  
Acq: 13 Dec 2021 21:48

Tgt Ion:112 Resp: 14206  
Ion Ratio Lower Upper  
112 100  
64 61.0 53.4 80.2  
63 34.0 27.8 41.8





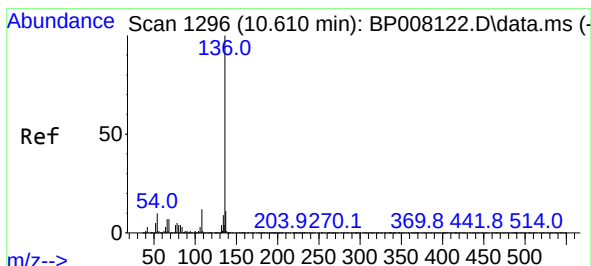
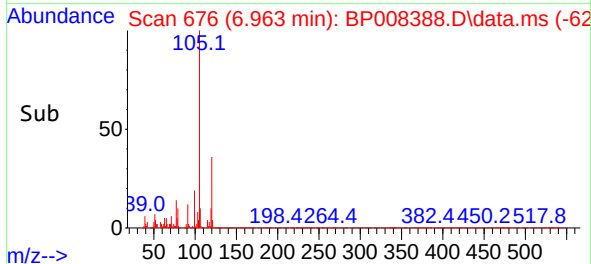
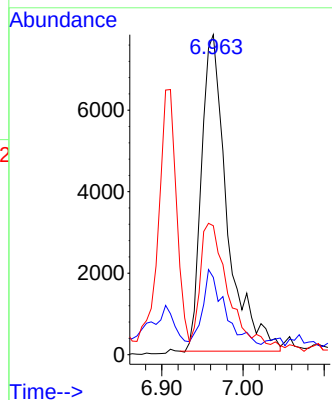
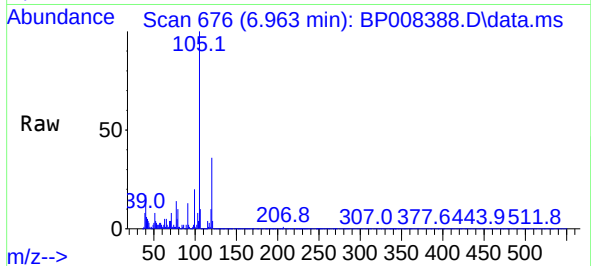
#7  
Phenol-d6  
Concen: 2.687 ng  
RT: 6.963 min Scan# 61  
Delta R.T. 0.012 min  
Lab File: BP008388.D  
Acq: 13 Dec 2021 21:48

Instrument :  
BNA\_P  
ClientSampleId :  
P-1DL2

Tgt Ion: 99 Resp: 17085  
Ion Ratio Lower Upper  
99 100  
42 24.2 14.6 22.0  
71 40.3 31.1 46.7

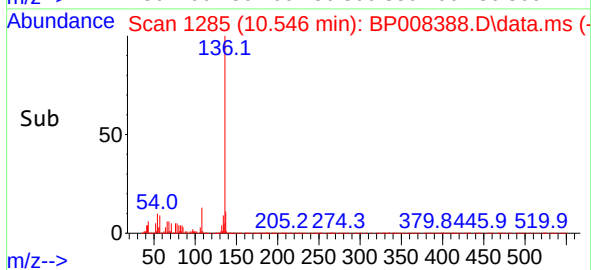
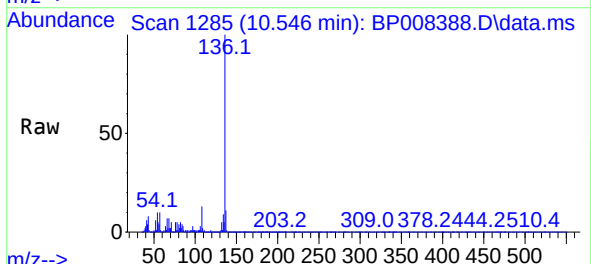
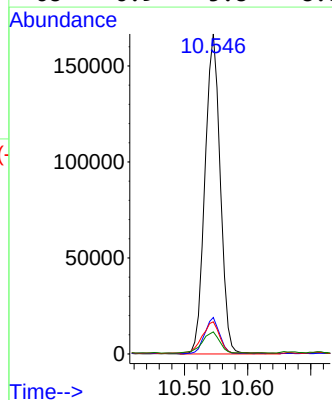
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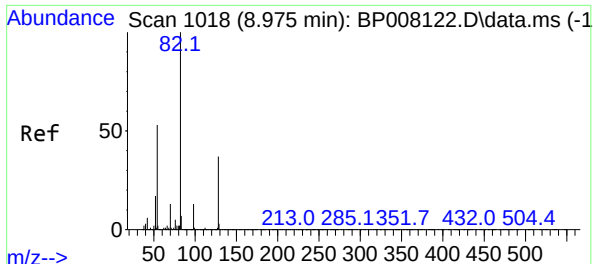
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Supervised By :Jagrut Upadhyay 12/14/2021



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.546 min Scan# 1285  
Delta R.T. -0.012 min  
Lab File: BP008388.D  
Acq: 13 Dec 2021 21:48

Tgt Ion:136 Resp: 280497  
Ion Ratio Lower Upper  
136 100  
137 11.4 9.0 13.6  
54 10.1 8.2 12.4  
68 6.9 5.8 8.8





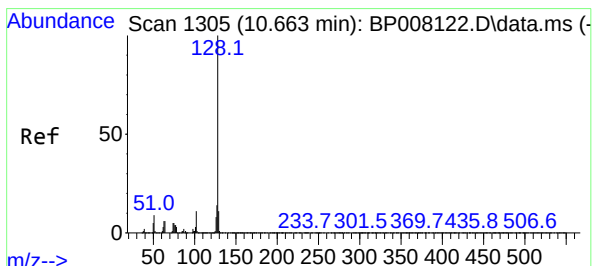
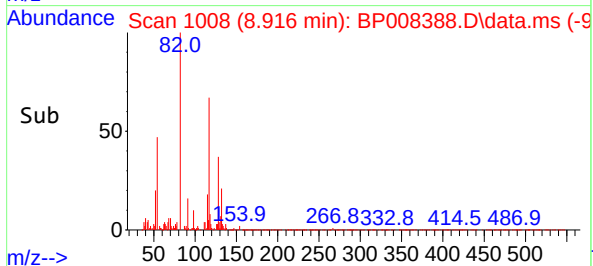
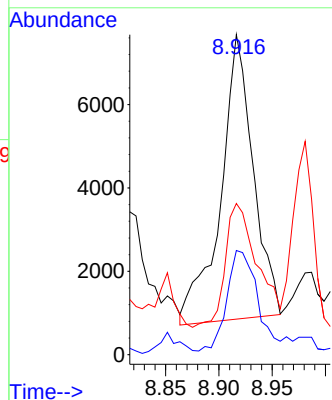
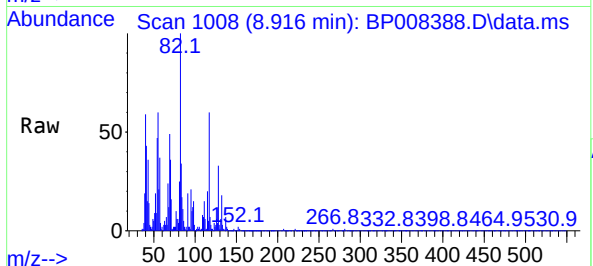
#23  
Nitrobenzene-d5  
Concen: 2.352 ng  
RT: 8.916 min Scan# 1008  
Delta R.T. -0.012 min  
Lab File: BP008388.D  
Acq: 13 Dec 2021 21:48

Instrument :  
BNA\_P  
ClientSampleId :  
P-1DL2

Tgt Ion: 82 Resp: 14500  
Ion Ratio Lower Upper  
82 100  
128 32.5 29.6 44.4  
54 47.3 42.7 64.1

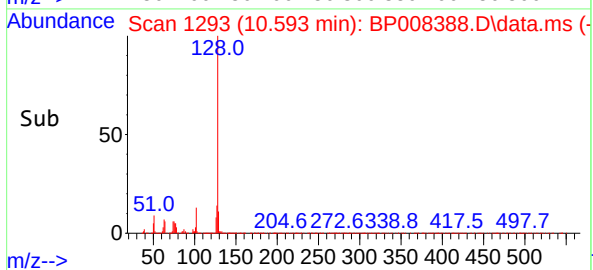
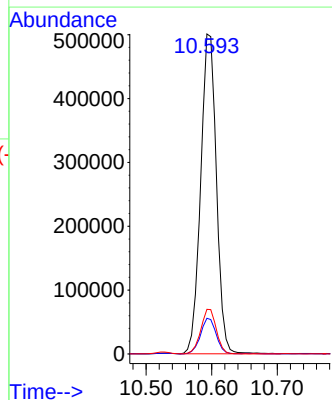
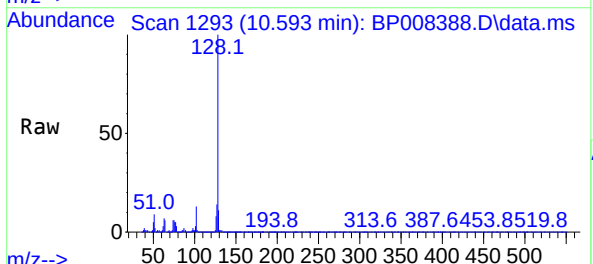
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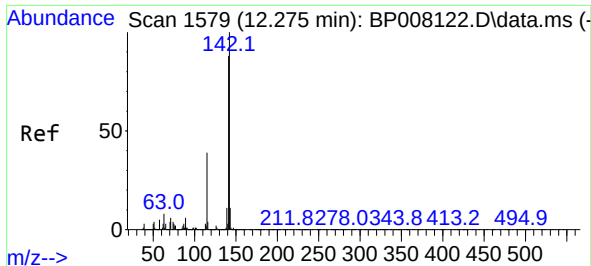
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Supervised By :Jagrut Upadhyay 12/14/2021



#31  
Naphthalene  
Concen: 58.340 ng  
RT: 10.593 min Scan# 1293  
Delta R.T. -0.018 min  
Lab File: BP008388.D  
Acq: 13 Dec 2021 21:48

Tgt Ion:128 Resp: 838288  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.5 12.7  
127 13.9 10.9 16.3





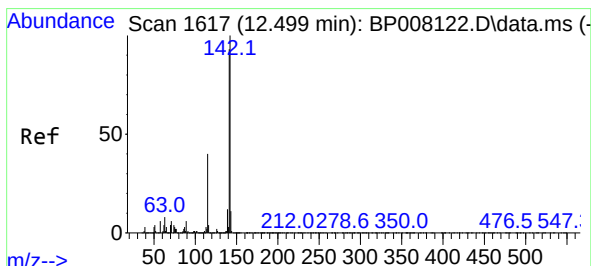
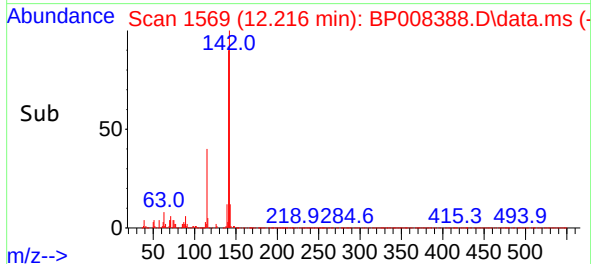
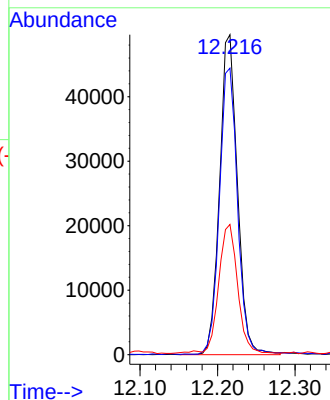
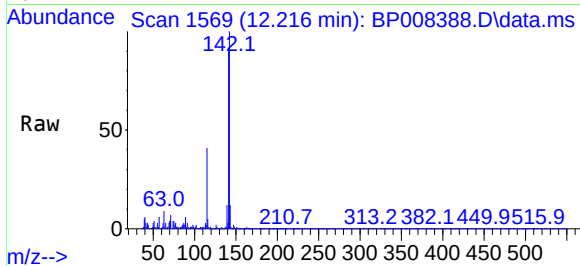
#37  
2-Methylnaphthalene  
Concen: 7.822 ng  
RT: 12.216 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BP008388.D  
Acq: 13 Dec 2021 21:48

Instrument :  
BNA\_P  
ClientSampleId :  
P-1DL2

Tgt Ion:142 Resp: 7949  
Ion Ratio Lower Upper  
142 100  
141 89.6 70.7 106.1  
115 40.7 30.9 46.3

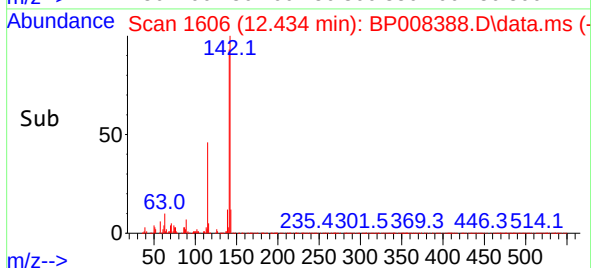
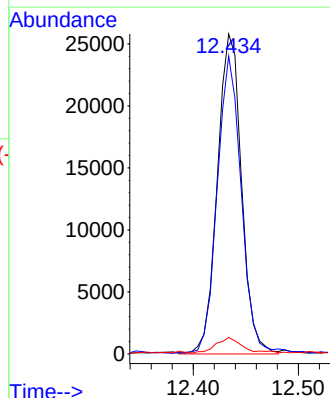
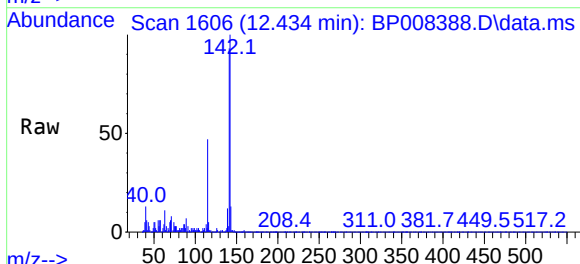
Manual Integrations  
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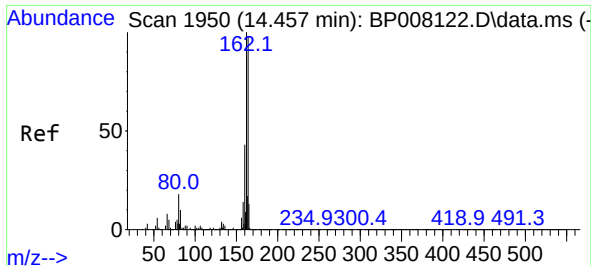
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Supervised By :Jagrut Upadhyay 12/14/2021



#38  
1-Methylnaphthalene  
Concen: 4.177 ng m  
RT: 12.434 min Scan# 1606  
Delta R.T. -0.012 min  
Lab File: BP008388.D  
Acq: 13 Dec 2021 21:48

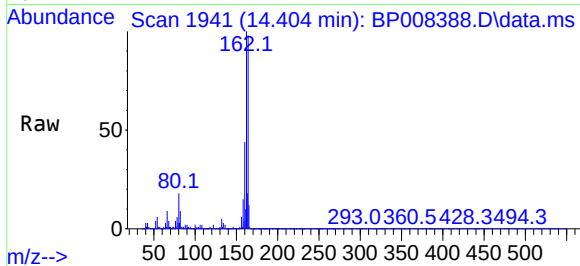
Tgt Ion:142 Resp: 41316  
Ion Ratio Lower Upper  
142 100  
141 93.1 74.2 111.4  
116 5.2 3.4 5.2#





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.404 min Scan# 1941  
Delta R.T. -0.012 min  
Lab File: BP008388.D  
Acq: 13 Dec 2021 21:48

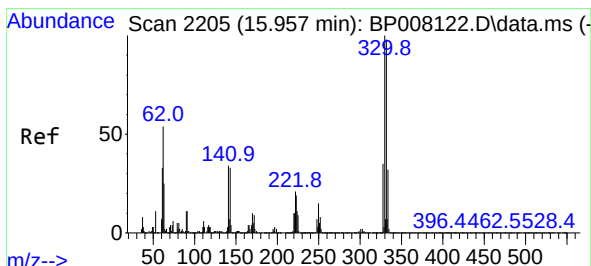
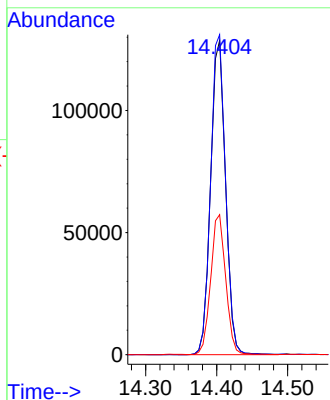
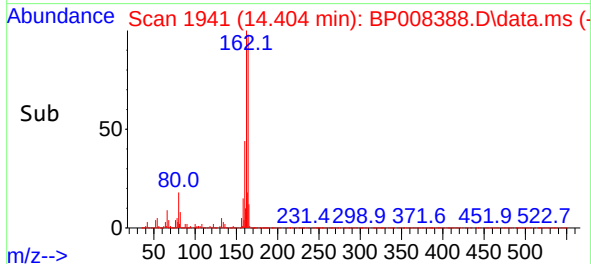
Instrument :  
BNA\_P  
ClientSampleId :  
P-1DL2



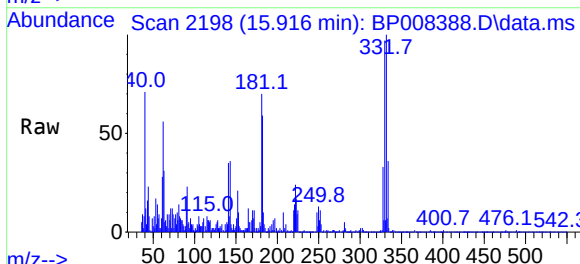
Tgt Ion:164 Resp: 187354  
Ion Ratio Lower Upper  
164 100  
162 101.8 81.9 122.9  
160 44.6 35.4 53.0

Manual Integrations  
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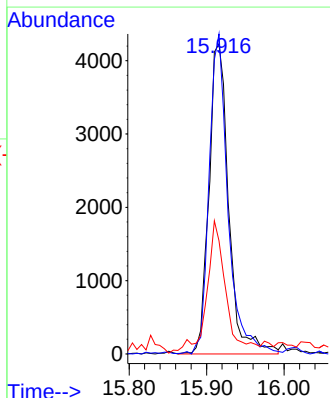
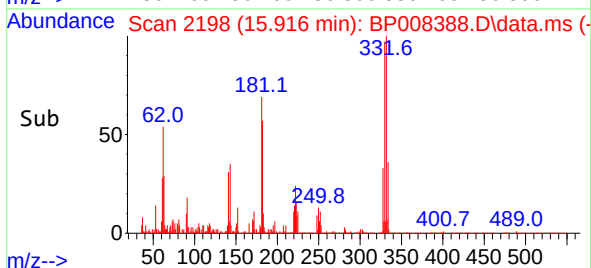
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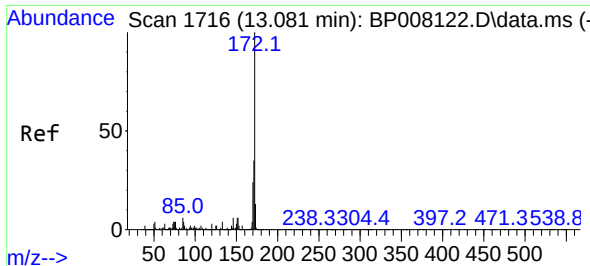


#42  
2,4,6-Tribromophenol  
Concen: 3.140 ng  
RT: 15.916 min Scan# 2198  
Delta R.T. 0.000 min  
Lab File: BP008388.D  
Acq: 13 Dec 2021 21:48



Tgt Ion:330 Resp: 7520  
Ion Ratio Lower Upper  
330 100  
332 97.8 77.0 115.4  
141 41.1 28.4 42.6





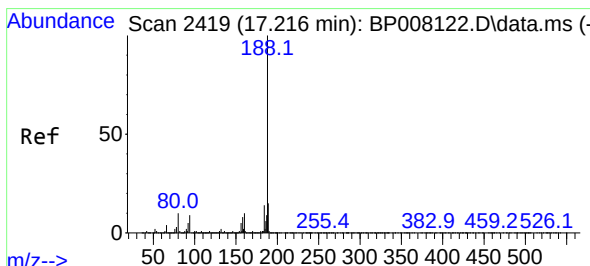
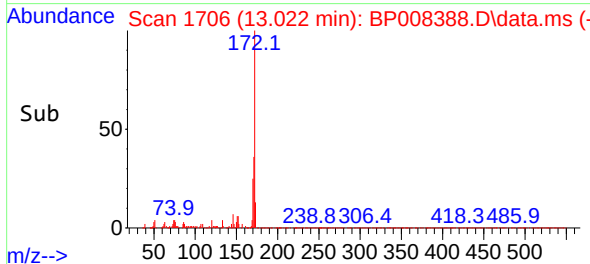
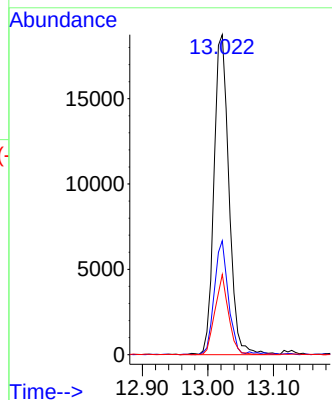
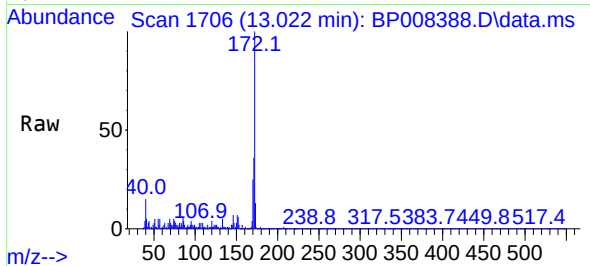
#45  
2-Fluorobiphenyl  
Concen: 2.305 ng  
RT: 13.022 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BP008388.D  
Acq: 13 Dec 2021 21:48

Instrument :  
BNA\_P  
ClientSampleId :  
P-1DL2

Tgt Ion:172 Resp: 29720  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.0 42.0  
170 25.1 18.9 28.3

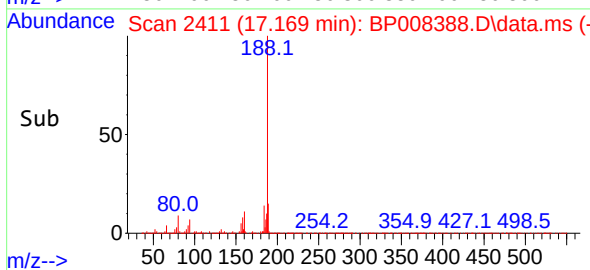
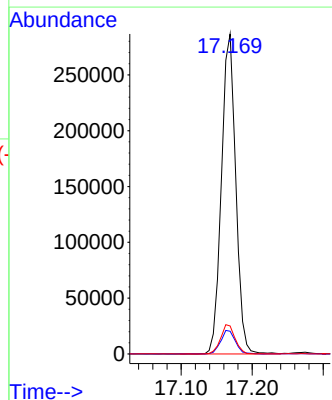
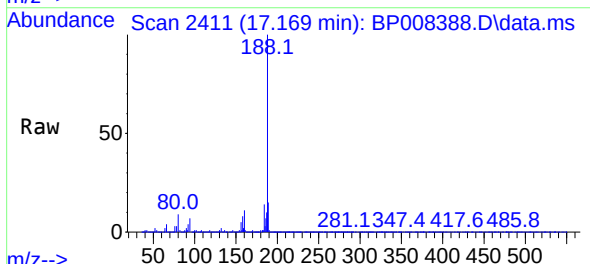
Manual Integrations  
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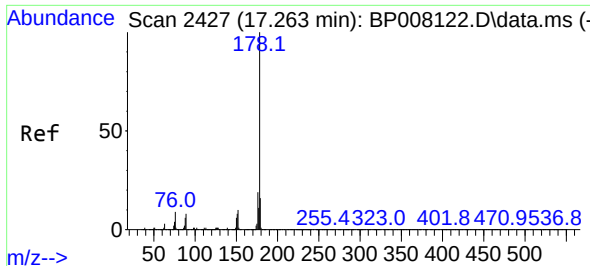


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.169 min Scan# 2411  
Delta R.T. -0.012 min  
Lab File: BP008388.D  
Acq: 13 Dec 2021 21:48

Tgt Ion:188 Resp: 399976  
Ion Ratio Lower Upper  
188 100  
94 7.1 7.2 10.8#  
80 8.8 8.2 12.4







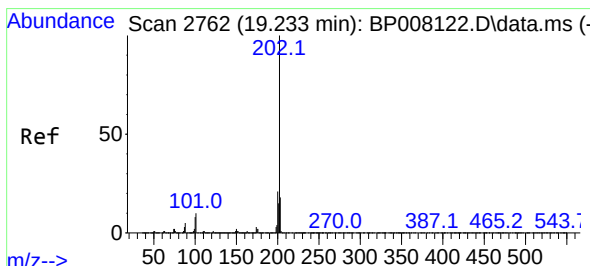
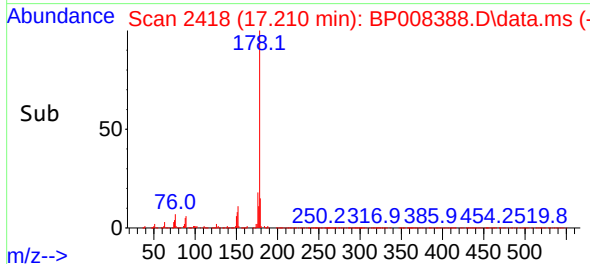
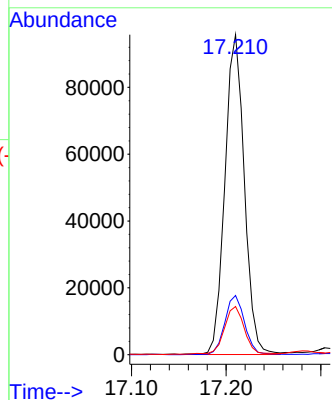
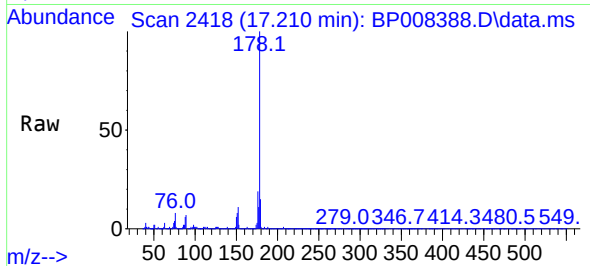
#71  
Phenanthrene  
Concen: 6.474 ng  
RT: 17.210 min Scan# 2418  
Delta R.T. -0.012 min  
Lab File: BP008388.D  
Acq: 13 Dec 2021 21:48

Instrument :  
BNA\_P  
ClientSampleId :  
P-1DL2

Tgt Ion:178 Resp: 13670  
Ion Ratio Lower Upper  
178 100  
176 18.5 15.3 22.9  
179 15.0 12.5 18.7

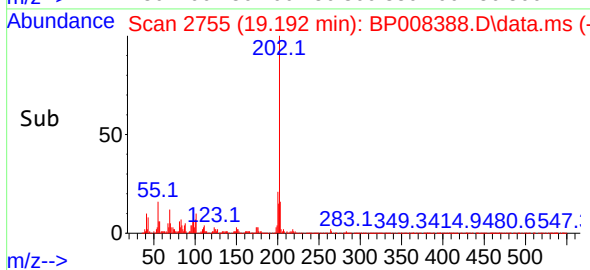
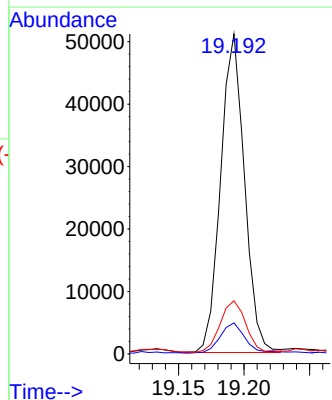
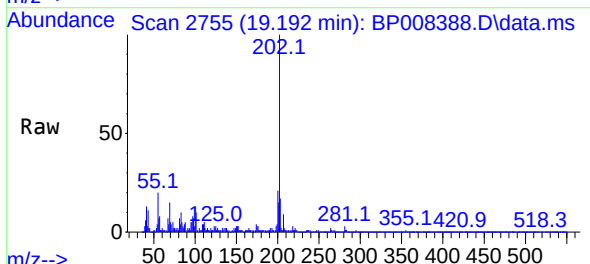
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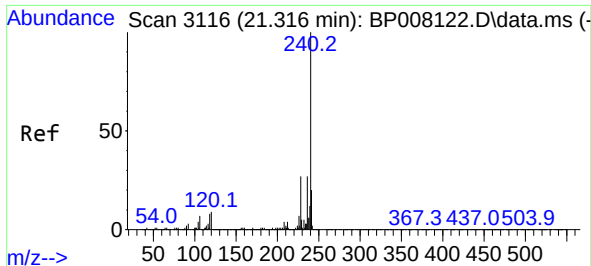
Reviewed By :Christian Giraldo 12/14/2021  
Supervised By :Jagrut Upadhyay 12/14/2021



#75  
Fluoranthene  
Concen: 2.268 ng  
RT: 19.192 min Scan# 2755  
Delta R.T. -0.012 min  
Lab File: BP008388.D  
Acq: 13 Dec 2021 21:48

Tgt Ion:202 Resp: 64530  
Ion Ratio Lower Upper  
202 100  
101 9.7 0.0 29.8  
203 16.6 0.0 37.7





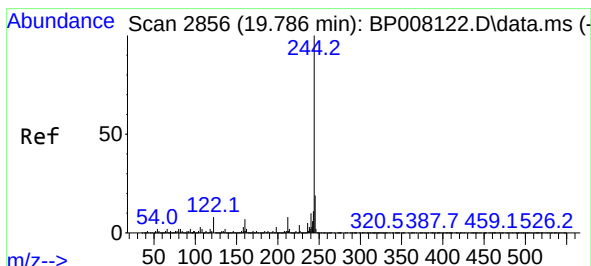
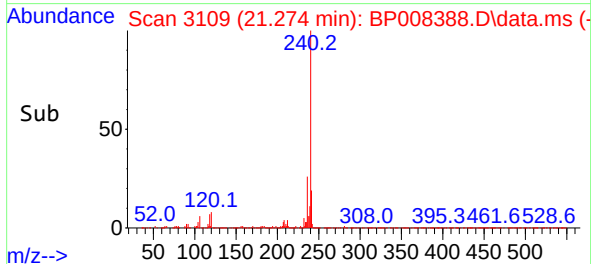
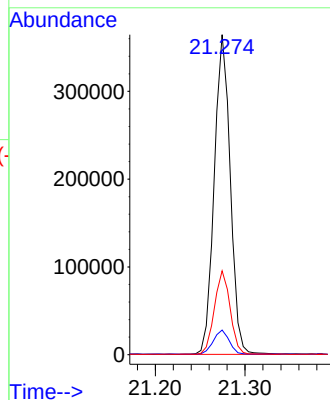
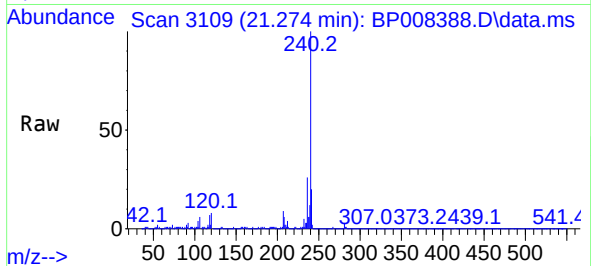
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.274 min Scan# 3116  
Delta R.T. -0.012 min  
Lab File: BP008388.D  
Acq: 13 Dec 2021 21:48

Instrument :  
BNA\_P  
ClientSampleId :  
P-1DL2

Tgt Ion:240 Resp: 45194  
Ion Ratio Lower Upper  
240 100  
120 7.7 7.3 10.9  
236 26.2 21.4 32.2

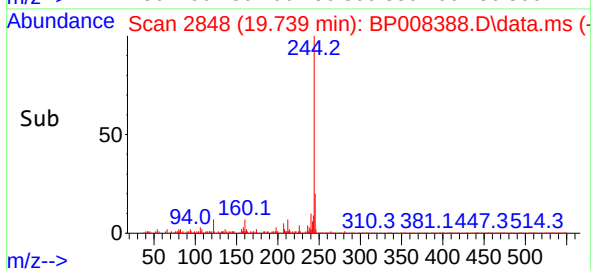
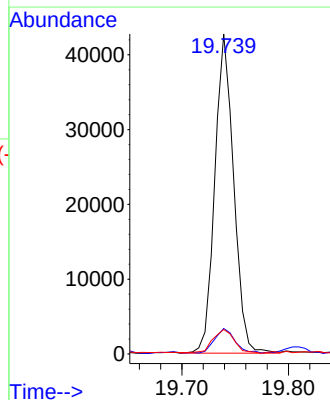
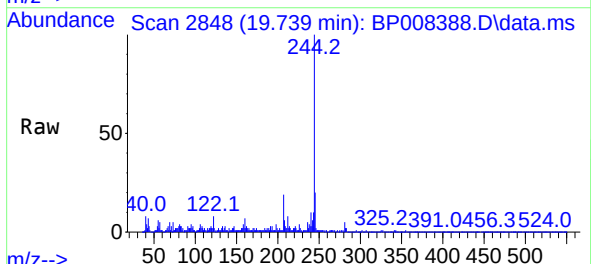
Manual Integrations  
APPROVED

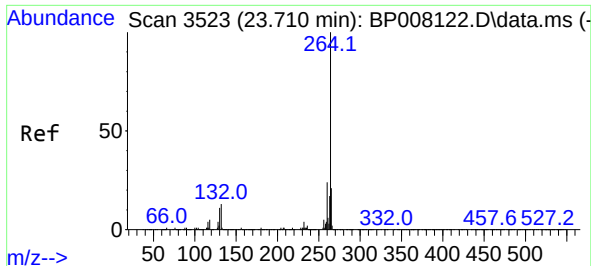
Reviewed By :Christian Giraldo 12/14/2021  
Supervised By :Jagrut Upadhyay 12/14/2021



#79  
Terphenyl-d14  
Concen: 2.425 ng  
RT: 19.739 min Scan# 2848  
Delta R.T. -0.018 min  
Lab File: BP008388.D  
Acq: 13 Dec 2021 21:48

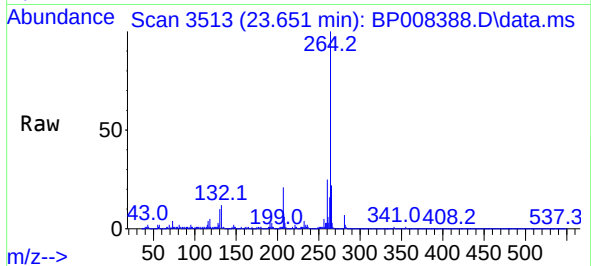
Tgt Ion:244 Resp: 52445  
Ion Ratio Lower Upper  
244 100  
212 7.9 6.0 9.0  
122 7.6 6.6 9.8





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.651 min Scan# 3513  
 Delta R.T. -0.023 min  
 Lab File: BP008388.D  
 Acq: 13 Dec 2021 21:48

Instrument :  
 BNA\_P  
 ClientSampleId :  
 P-1DL2



Tgt Ion: 264 Resp: 503770  
 Ion Ratio Lower Upper  
 264 100  
 260 24.6 19.4 29.2  
 265 22.2 17.6 26.4

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 12/14/2021  
 Supervised By : Jagrut Upadhyay 12/14/2021

