

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121222\  
 Data File : BF131601.D  
 Acq On : 12 Dec 2022 19:44  
 Operator : CG\JU  
 Sample : N5964-03  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-518-COMP-02

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 12/13/2022  
 Supervised By : Jagrut Upadhyay 12/13/2022

Quant Time: Dec 13 04:17:29 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 13 04:12:13 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.892  | 152  | 54810    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.181  | 136  | 199943   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.945  | 164  | 118111   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.445 | 188  | 208947   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.098 | 240  | 110950   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.610 | 264  | 118701   | 20.000  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.510  | 112  | 379734   | 115.582 | ng    | 0.00     |
| 7) Phenol-d6                | 6.522  | 99   | 494844   | 114.938 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.457  | 82   | 340208   | 64.329  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.739 | 330  | 132728   | 101.145 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.263  | 172  | 569744   | 60.822  | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.039 | 244  | 515085   | 63.667  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 71) Phenanthrene            | 11.463 | 178  | 54281    | 4.661   | ng    | 98       |
| 75) Fluoranthene            | 12.663 | 202  | 73139    | 6.099   | ng    | 99       |
| 78) Pyrene                  | 12.892 | 202  | 63048    | 5.763   | ng    | 99       |
| 81) Benzo(a)anthracene      | 14.086 | 228  | 28771    | 3.591   | ng    | 99       |
| 83) Chrysene                | 14.121 | 228  | 23576    | 3.095   | ng    | 99       |
| 88) Benzo(b)fluoranthene    | 15.157 | 252  | 29881m   | 3.819   | ng    |          |
| 90) Benzo(a)pyrene          | 15.539 | 252  | 22000    | 3.295   | ng    | 95       |
| -----                       |        |      |          |         |       |          |

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

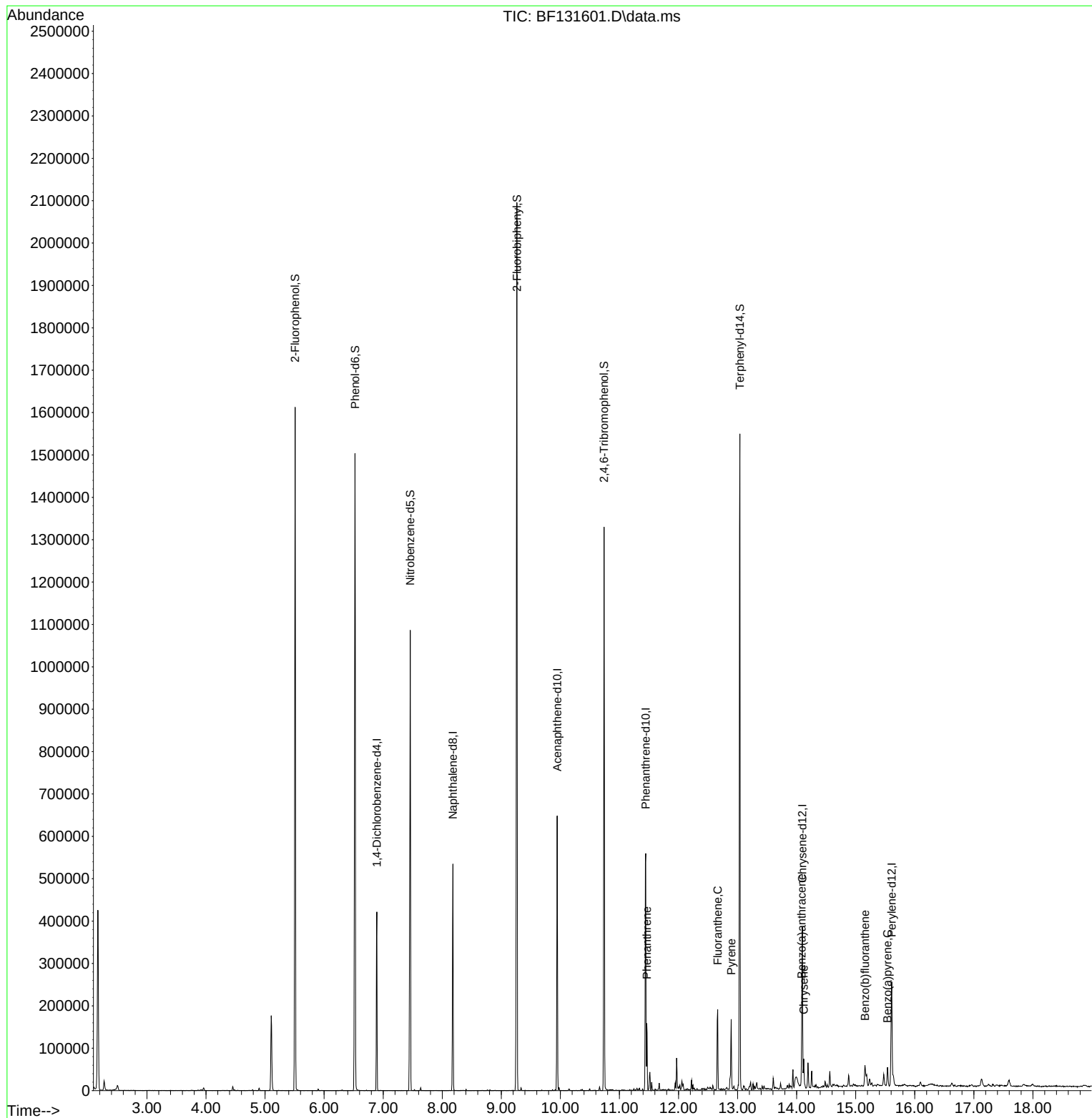
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121222\  
Data File : BF131601.D  
Acq On : 12 Dec 2022 19:44  
Operator : CG\JU  
Sample : N5964-03  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

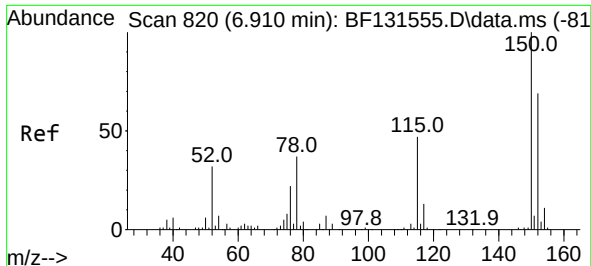
Instrument :  
BNA\_F  
ClientSampleId :  
SU-518-COMP-02

Quant Time: Dec 13 04:17:29 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120822.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 13 04:12:13 2022  
Response via : Initial Calibration

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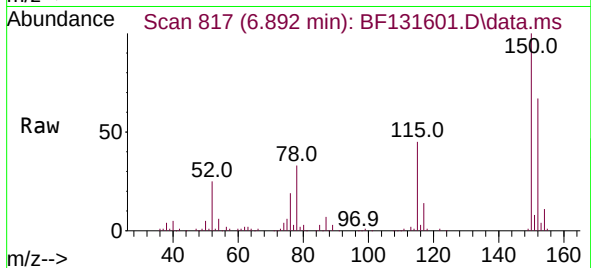
Reviewed By :Christian Giraldo 12/13/2022  
Supervised By :Jagrut Upadhyay 12/13/2022





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 817  
Delta R.T. 0.000 min  
Lab File: BF131601.D  
Acq: 12 Dec 2022 19:44

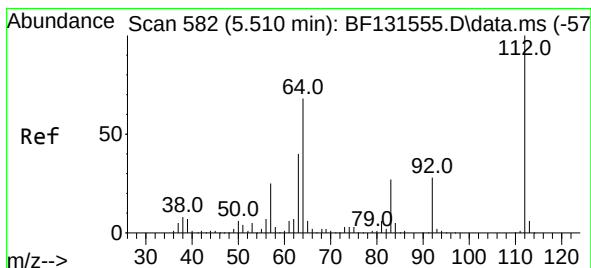
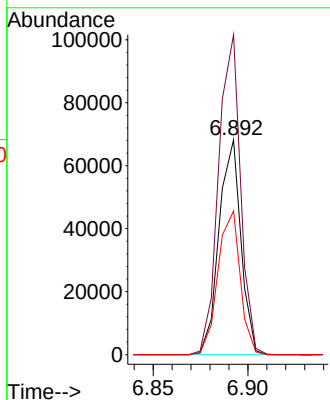
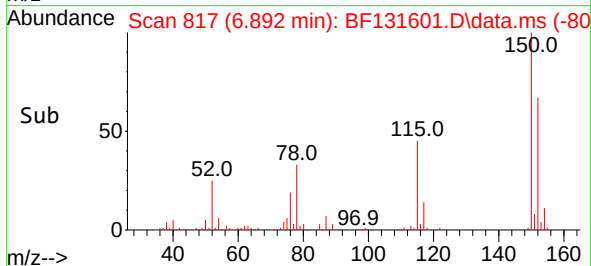
Instrument :  
BNA\_F  
ClientSampleId :  
SU-518-COMP-02



Tgt Ion:152 Resp: 54810  
Ion Ratio Lower Upper  
152 100  
150 148.9 116.7 175.1  
115 66.8 54.6 82.0

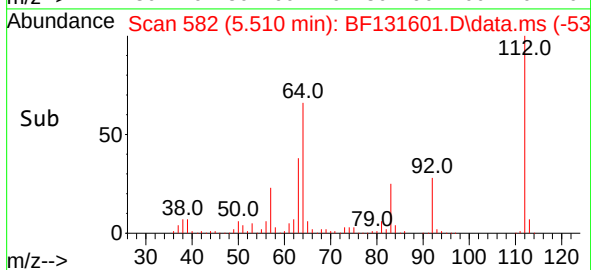
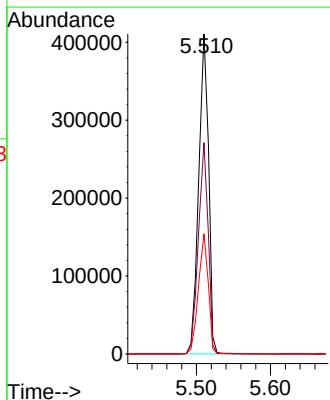
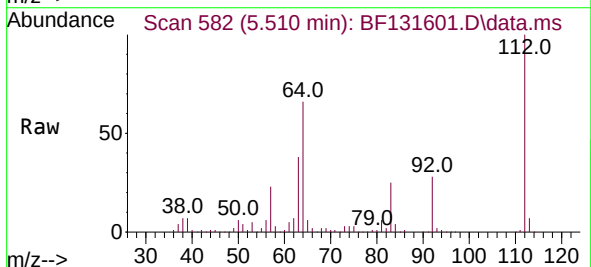
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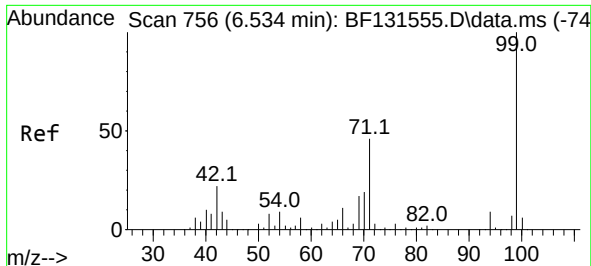
Reviewed By :Christian Giraldo 12/13/2022  
Supervised By :Jagrut Upadhyay 12/13/2022



#5  
2-Fluorophenol  
Concen: 115.582 ng  
RT: 5.510 min Scan# 582  
Delta R.T. -0.000 min  
Lab File: BF131601.D  
Acq: 12 Dec 2022 19:44

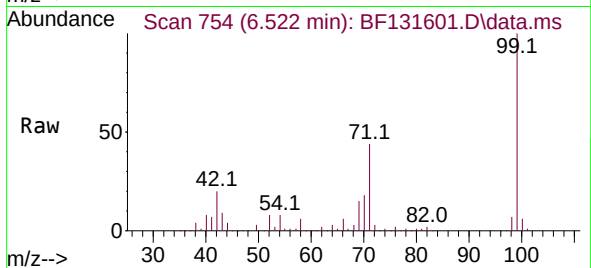
Tgt Ion:112 Resp: 379734  
Ion Ratio Lower Upper  
112 100  
64 66.0 54.5 81.7  
63 37.5 31.9 47.9





#7  
Phenol-d6  
Concen: 114.938 ng  
RT: 6.522 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF131601.D  
Acq: 12 Dec 2022 19:44

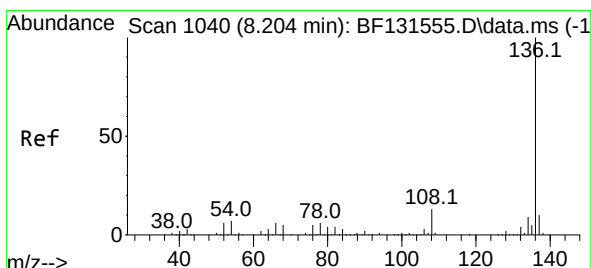
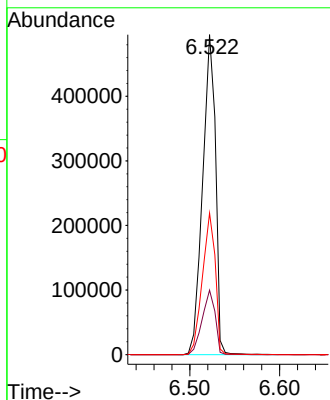
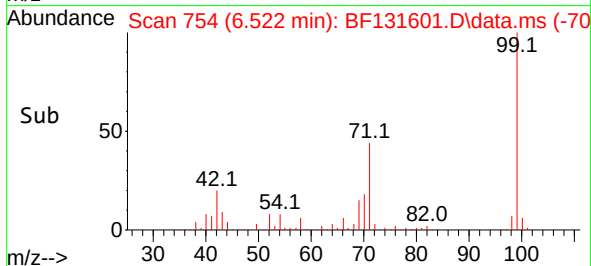
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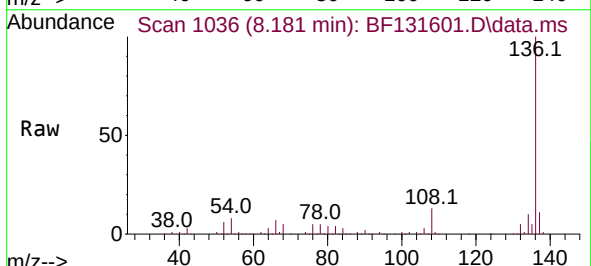
Tgt Ion: 99 Resp: 494844  
Ion Ratio Lower Upper  
99 100  
42 20.1 17.9 26.9  
71 44.2 37.2 55.8

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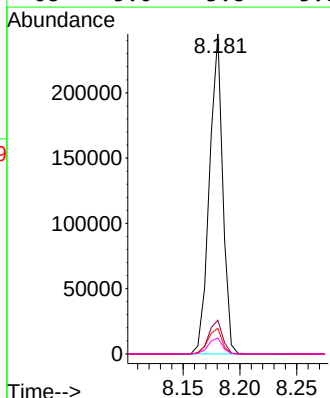
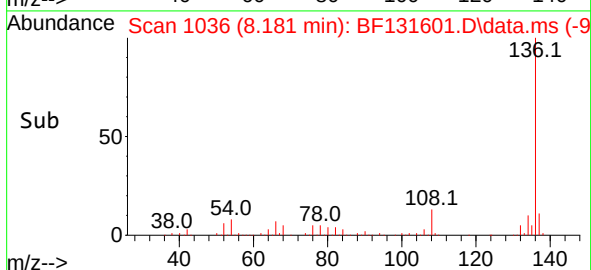
Reviewed By :Christian Giraldo 12/13/2022  
Supervised By :Jagrut Upadhyay 12/13/2022

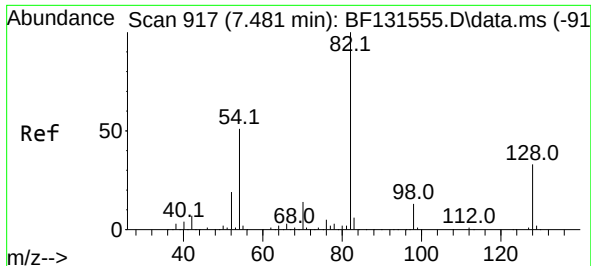


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.181 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: BF131601.D  
Acq: 12 Dec 2022 19:44



Tgt Ion:136 Resp: 199943  
Ion Ratio Lower Upper  
136 100  
137 10.5 8.1 12.1  
54 8.0 6.0 9.0  
68 5.0 3.8 5.8





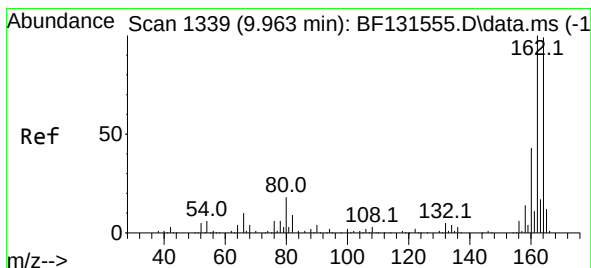
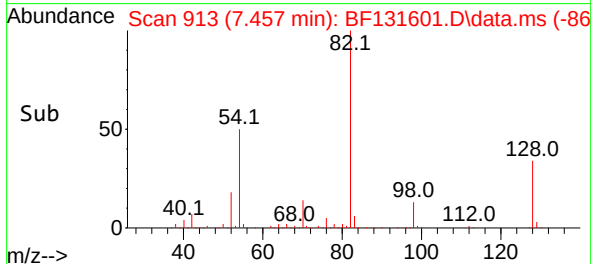
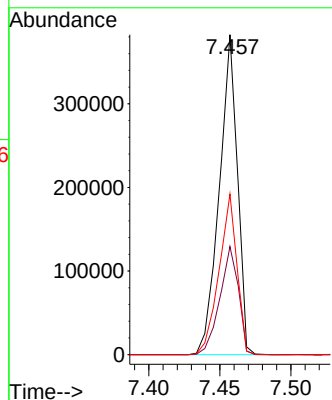
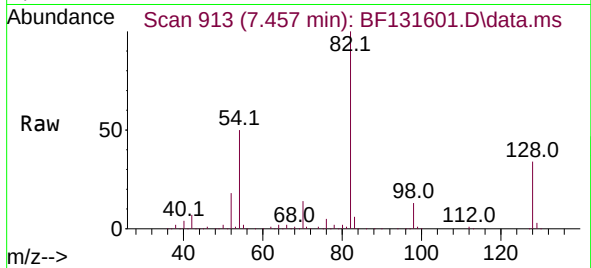
#23  
Nitrobenzene-d5  
Concen: 64.329 ng  
RT: 7.457 min Scan# 917  
Delta R.T. -0.012 min  
Lab File: BF131601.D  
Acq: 12 Dec 2022 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 82 Resp: 340208  
Ion Ratio Lower Upper  
82 100  
128 33.8 26.1 39.1  
54 50.2 40.6 60.8

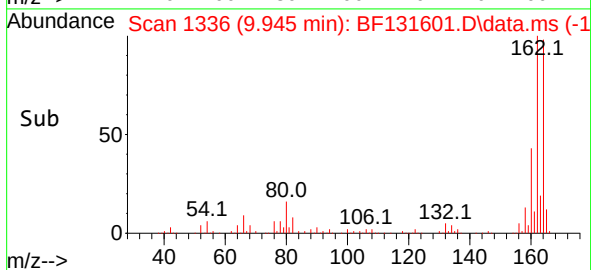
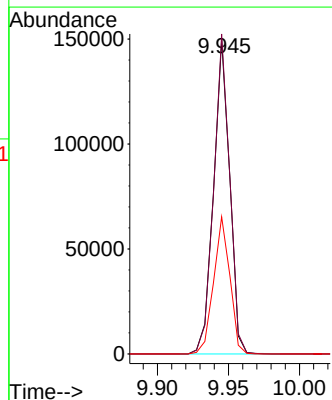
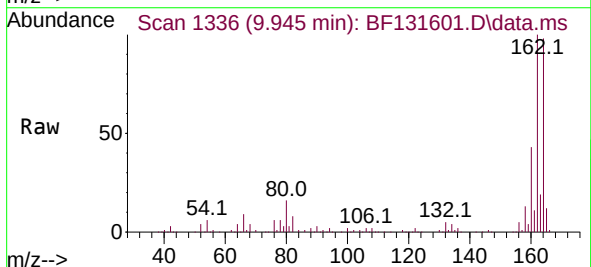
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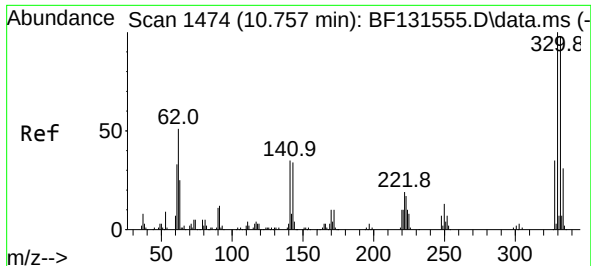
Reviewed By :Christian Giraldo 12/13/2022  
Supervised By :Jagrut Upadhyay 12/13/2022



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.945 min Scan# 1336  
Delta R.T. -0.006 min  
Lab File: BF131601.D  
Acq: 12 Dec 2022 19:44

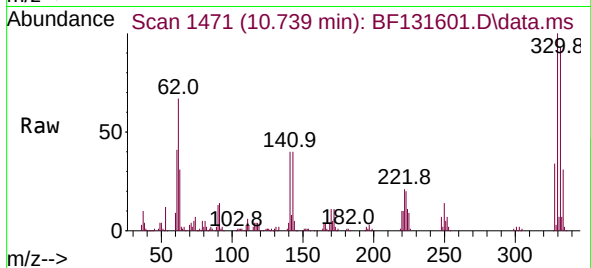
Tgt Ion:164 Resp: 118111  
Ion Ratio Lower Upper  
164 100  
162 101.8 81.0 121.6  
160 43.6 35.0 52.6





#42  
2,4,6-Tribromophenol  
Concen: 101.145 ng  
RT: 10.739 min Scan# 1474  
Delta R.T. -0.012 min  
Lab File: BF131601.D  
Acq: 12 Dec 2022 19:44

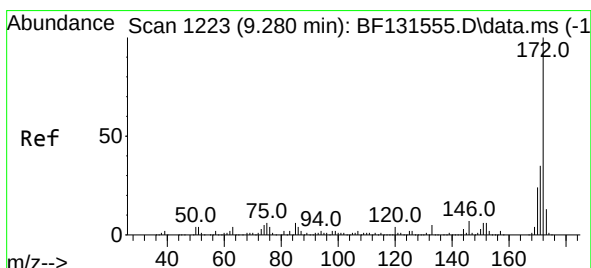
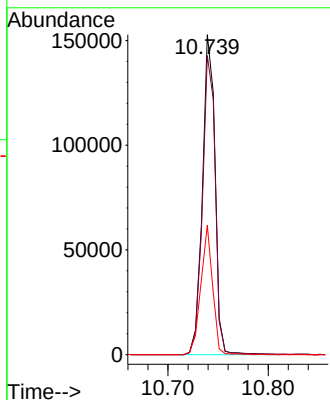
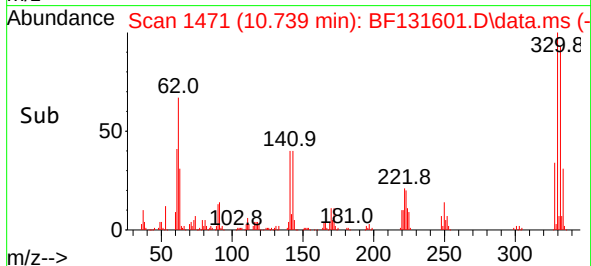
Instrument :  
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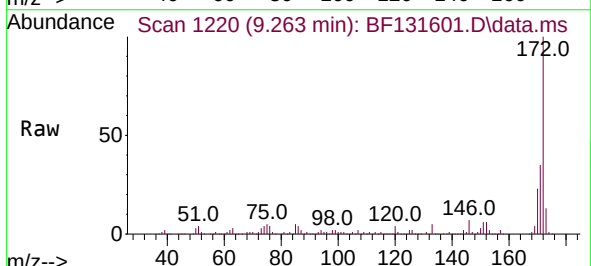
Tgt Ion: 330 Resp: 132728  
Ion Ratio Lower Upper  
330 100  
332 95.1 78.3 117.5  
141 37.8 32.6 49.0

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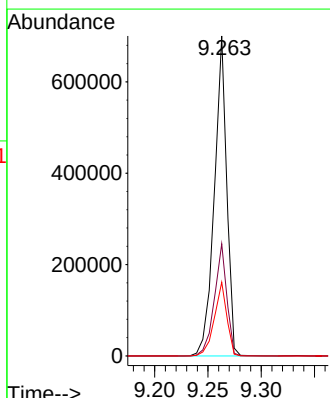
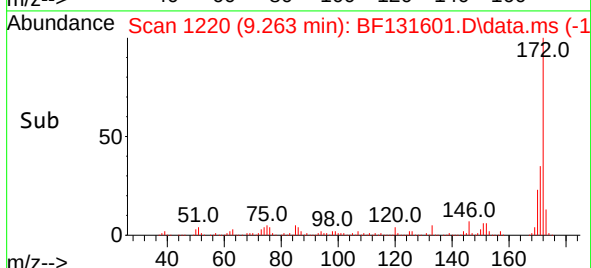
Reviewed By : Christian Giraldo 12/13/2022  
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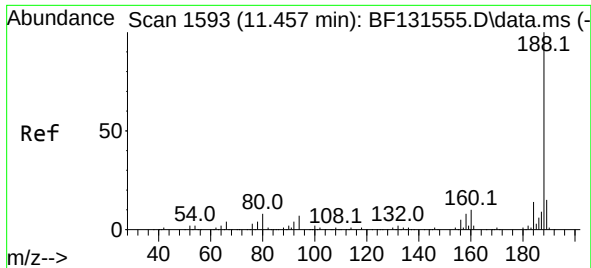


#45  
2-Fluorobiphenyl  
Concen: 60.822 ng  
RT: 9.263 min Scan# 1220  
Delta R.T. -0.006 min  
Lab File: BF131601.D  
Acq: 12 Dec 2022 19:44



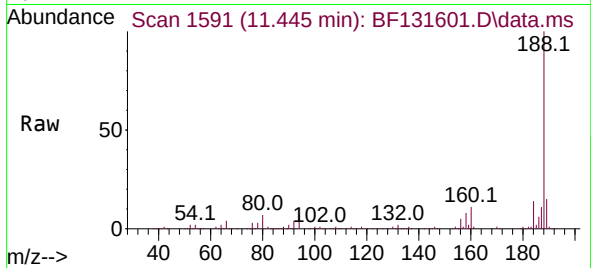
Tgt Ion: 172 Resp: 569744  
Ion Ratio Lower Upper  
172 100  
171 35.0 28.3 42.5  
170 23.0 19.3 28.9





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.445 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF131601.D  
Acq: 12 Dec 2022 19:44

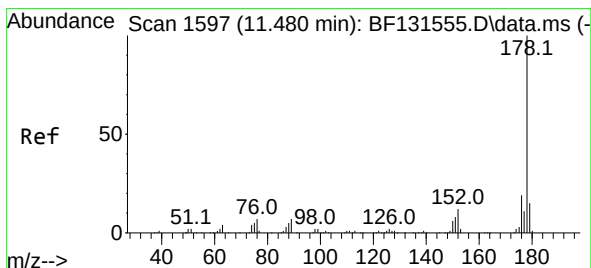
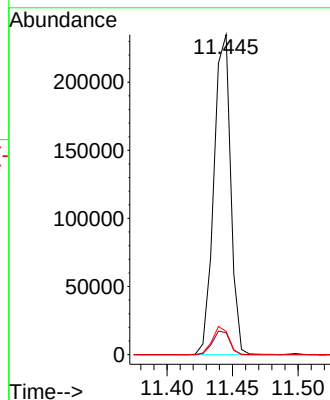
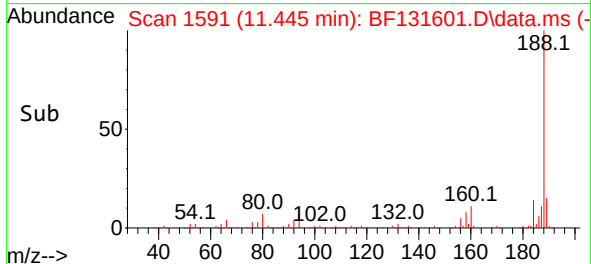
Instrument :  
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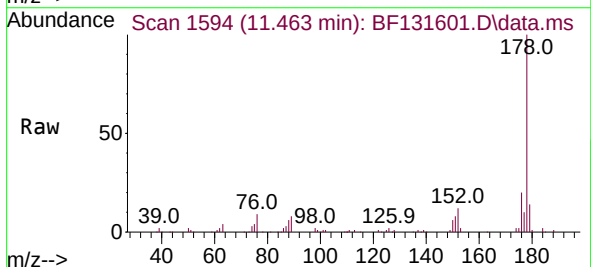
Tgt Ion:188 Resp: 20894  
Ion Ratio Lower Upper  
188 100  
94 6.9 5.5 8.3  
80 7.3 6.6 10.0

Manual Integrations  
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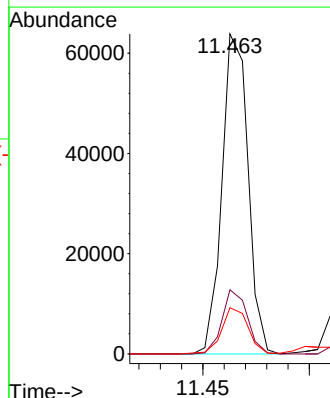
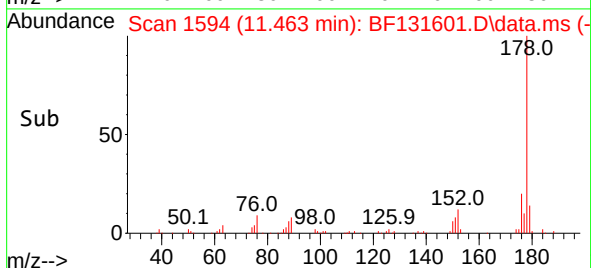
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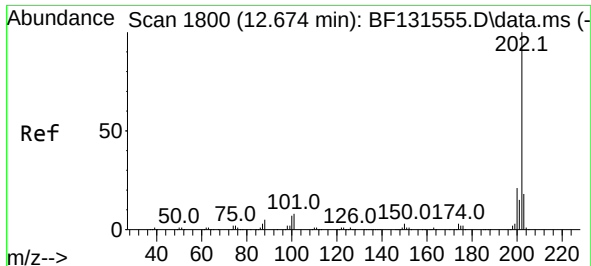


#71  
Phenanthrene  
Concen: 4.661 ng  
RT: 11.463 min Scan# 1594  
Delta R.T. -0.012 min  
Lab File: BF131601.D  
Acq: 12 Dec 2022 19:44



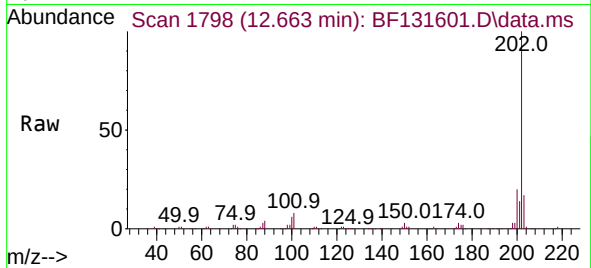
Tgt Ion:178 Resp: 54281  
Ion Ratio Lower Upper  
178 100  
176 20.0 15.4 23.0  
179 14.4 12.2 18.4





#75  
Fluoranthene  
Concen: 6.099 ng  
RT: 12.663 min Scan# 1798  
Delta R.T. -0.006 min  
Lab File: BF131601.D  
Acq: 12 Dec 2022 19:44

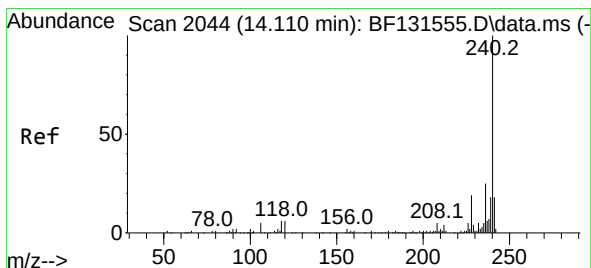
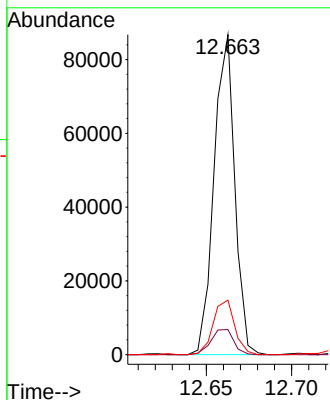
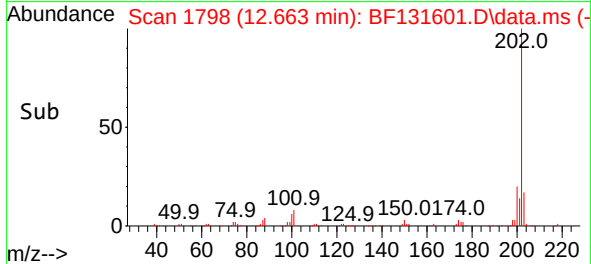
Instrument :  
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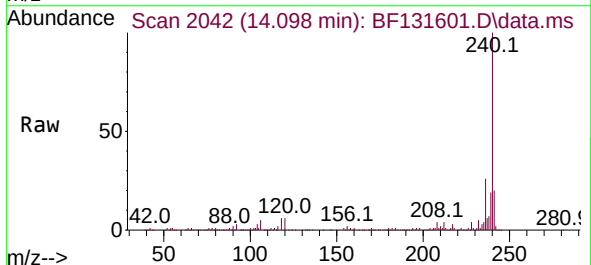
Tgt Ion:202 Resp: 73139  
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202 100  
101 7.8 0.0 27.7  
203 17.0 0.0 37.7

Manual Integrations  
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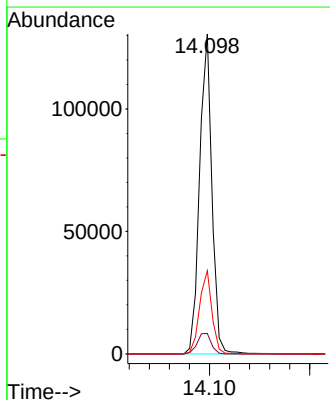
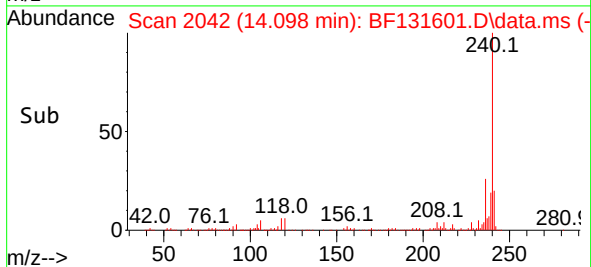
Reviewed By :Christian Giraldo 12/13/2022  
Supervised By :Jagrut Upadhyay 12/13/2022



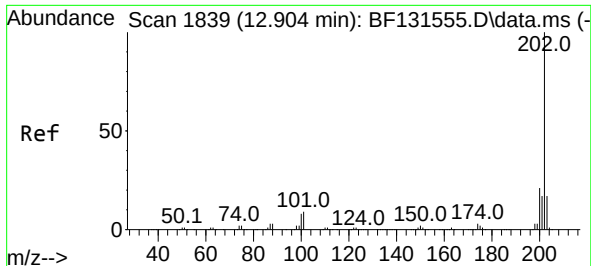
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.098 min Scan# 2042  
Delta R.T. -0.006 min  
Lab File: BF131601.D  
Acq: 12 Dec 2022 19:44



Tgt Ion:240 Resp: 110950  
Ion Ratio Lower Upper  
240 100  
120 6.4 4.6 7.0  
236 26.0 20.2 30.2

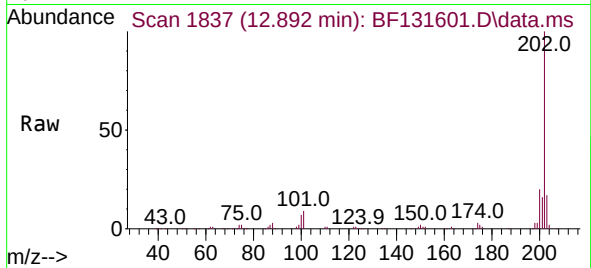






#78  
Pyrene  
Concen: 5.763 ng  
RT: 12.892 min Scan# 1837  
Delta R.T. -0.006 min  
Lab File: BF131601.D  
Acq: 12 Dec 2022 19:44

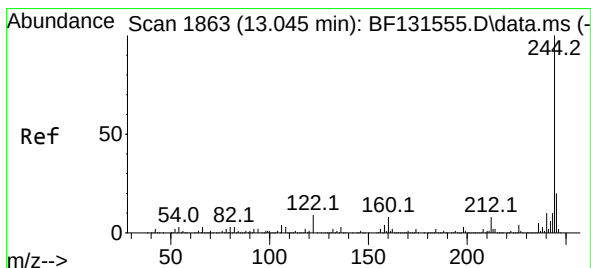
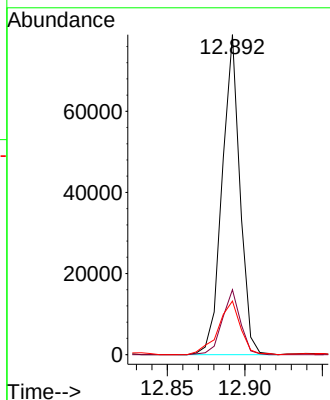
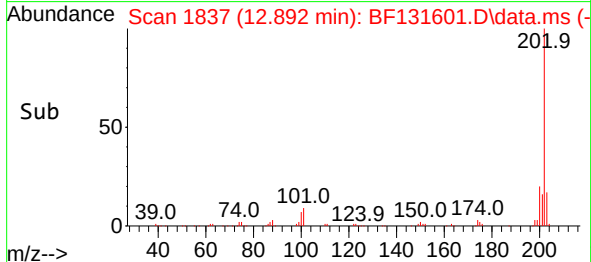
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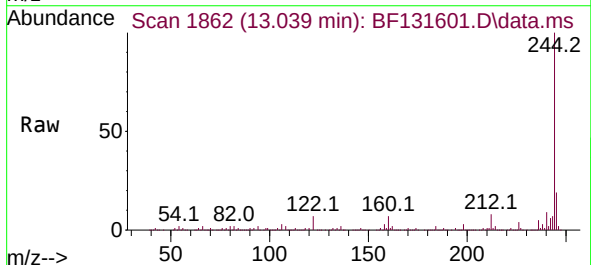
Tgt Ion:202 Resp: 63048  
Ion Ratio Lower Upper  
202 100  
200 20.3 16.7 25.1  
203 16.8 13.8 20.6

Manual Integrations  
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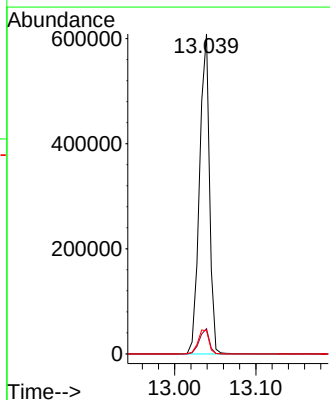
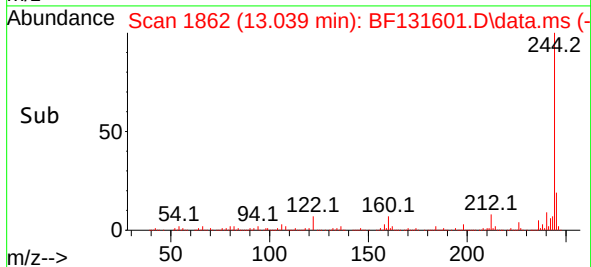
Reviewed By :Christian Giraldo 12/13/2022  
Supervised By :Jagrut Upadhyay 12/13/2022

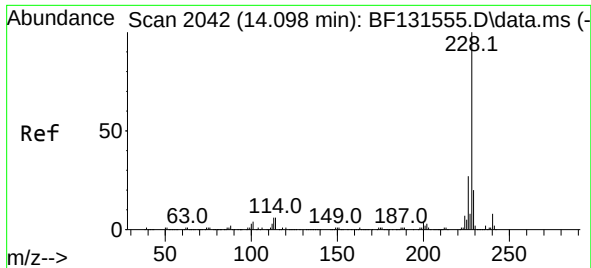


#79  
Terphenyl-d14  
Concen: 63.667 ng  
RT: 13.039 min Scan# 1862  
Delta R.T. -0.006 min  
Lab File: BF131601.D  
Acq: 12 Dec 2022 19:44



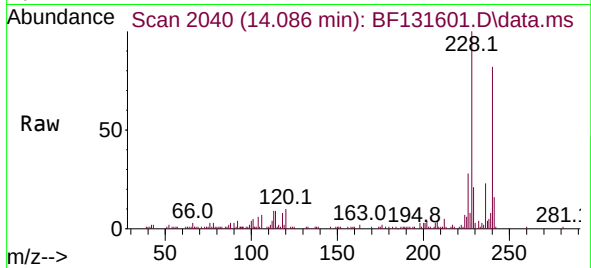
Tgt Ion:244 Resp: 515085  
Ion Ratio Lower Upper  
244 100  
212 7.9 6.5 9.7  
122 7.2 7.1 10.7





#81  
Benzo(a)anthracene  
Concen: 3.591 ng  
RT: 14.086 min Scan# 2040  
Delta R.T. -0.006 min  
Lab File: BF131601.D  
Acq: 12 Dec 2022 19:44

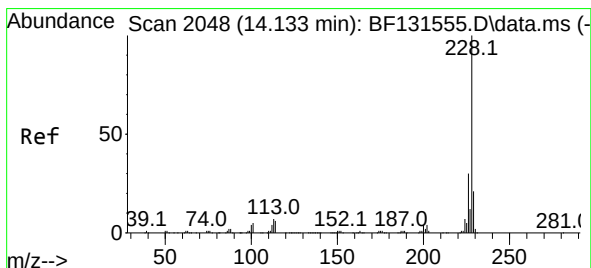
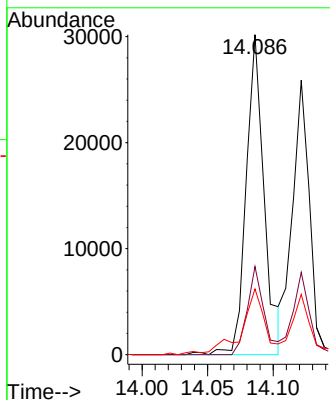
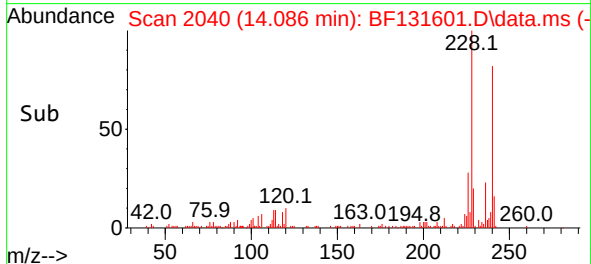
Instrument :  
BNA\_F  
ClientSampleId :  
SU-518-COMP-02



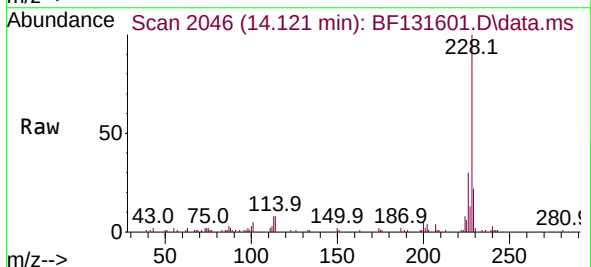
Tgt Ion:228 Resp: 2877  
Ion Ratio Lower Upper  
228 100  
226 27.5 21.5 32.3  
229 20.5 15.8 23.6

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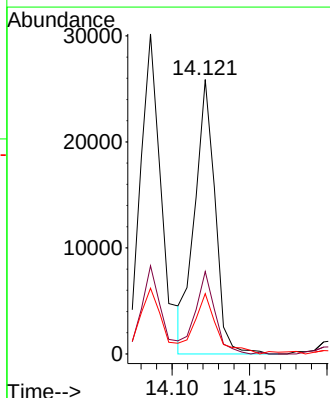
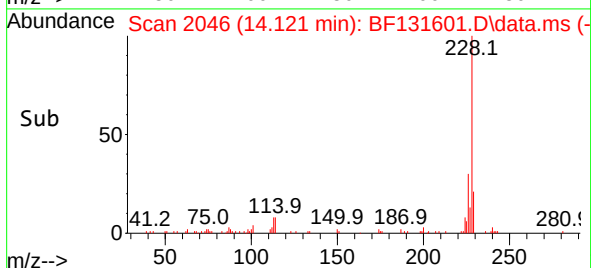
Reviewed By :Christian Giraldo 12/13/2022  
Supervised By :Jagrut Upadhyay 12/13/2022

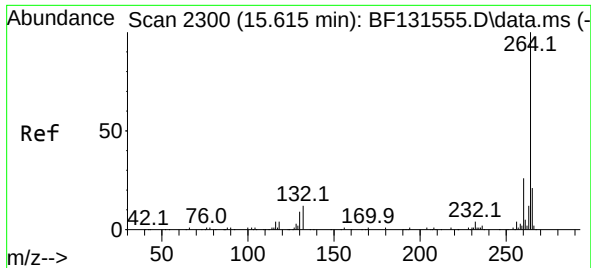


#83  
Chrysene  
Concen: 3.095 ng  
RT: 14.121 min Scan# 2046  
Delta R.T. -0.012 min  
Lab File: BF131601.D  
Acq: 12 Dec 2022 19:44



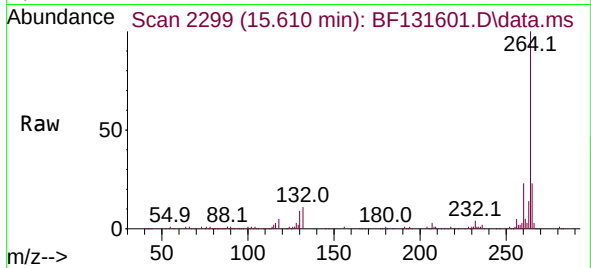
Tgt Ion:228 Resp: 23576  
Ion Ratio Lower Upper  
228 100  
226 30.0 23.9 35.9  
229 22.0 16.7 25.1





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.610 min Scan# 2299  
Delta R.T. -0.006 min  
Lab File: BF131601.D  
Acq: 12 Dec 2022 19:44

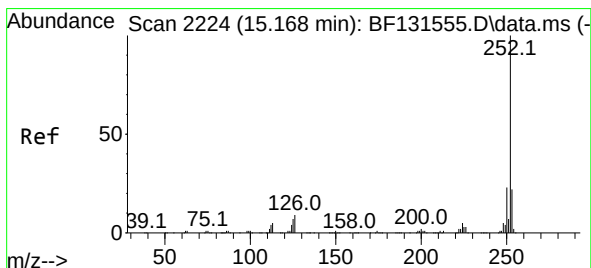
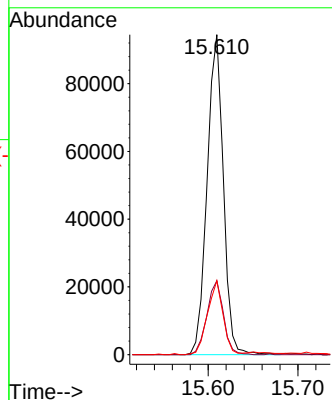
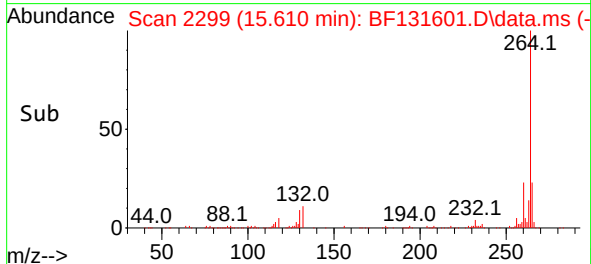
Instrument :  
BNA\_F  
ClientSampleId :  
SU-518-COMP-02



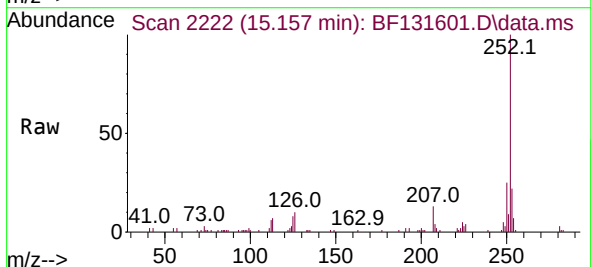
Tgt Ion:264 Resp: 118701  
Ion Ratio Lower Upper  
264 100  
260 23.1 20.6 30.8  
265 23.1 16.8 25.2

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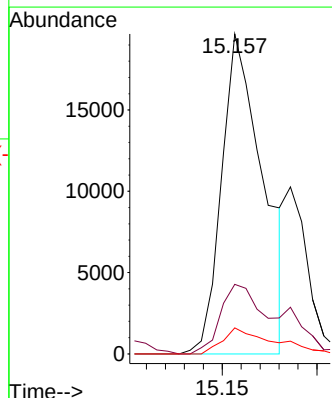
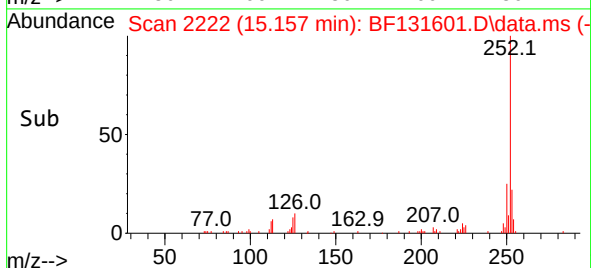
Reviewed By :Christian Giraldo 12/13/2022  
Supervised By :Jagrut Upadhyay 12/13/2022

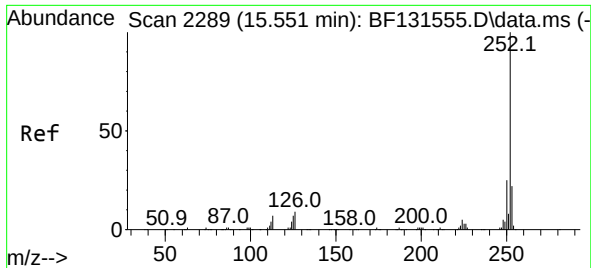


#88  
Benzo(b)fluoranthene  
Concen: 3.819 ng m  
RT: 15.157 min Scan# 2222  
Delta R.T. -0.012 min  
Lab File: BF131601.D  
Acq: 12 Dec 2022 19:44



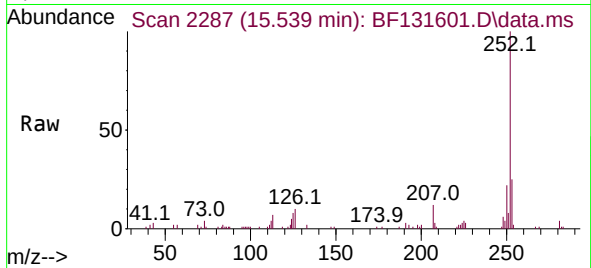
Tgt Ion:252 Resp: 29881  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.7 26.5  
125 8.1 5.6 8.4





#90  
 Benzo(a)pyrene  
 Concen: 3.295 ng  
 RT: 15.539 min Scan# 2287  
 Delta R.T. -0.012 min  
 Lab File: BF131601.D  
 Acq: 12 Dec 2022 19:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SU-518-COMP-02



Tgt Ion:252 Resp: 22000  
 Ion Ratio Lower Upper  
 252 100  
 253 24.8 17.5 26.3  
 125 8.0 5.6 8.4

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Reviewed By :Christian Giraldo 12/13/2022  
 Supervised By :Jagrut Upadhyay 12/13/2022

