

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051722\  
 Data File : BF128299.D  
 Acq On : 17 May 2022 19:11  
 Operator : CG\JU  
 Sample : N2882-02  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SLP-2

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 05/18/2022  
 Supervised By : Jagrut Upadhyay 05/18/2022

Quant Time: May 18 01:34:43 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF050922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 18 01:31:11 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|-------|----------|
| -----                       |        |      |          |       |       |          |
| Internal Standards          |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.875  | 152  | 70458    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.157  | 136  | 265624   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.916  | 164  | 131671   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.410 | 188  | 180658   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.062 | 240  | 166413   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.551 | 264  | 143159   | 20.00 | ng    | 0.00     |
|                             |        |      |          |       |       |          |
| System Monitoring Compounds |        |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.492  | 112  | 272194   | 61.58 | ng    | 0.00     |
| 7) Phenol-d6                | 6.504  | 99   | 422365   | 72.25 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.439  | 82   | 316730   | 53.65 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.710 | 330  | 24970    | 16.54 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.233  | 172  | 494722   | 58.79 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.004 | 244  | 370989   | 41.83 | ng    | 0.00     |
|                             |        |      |          |       |       |          |
| Target Compounds            |        |      |          |       |       | Qvalue   |
| 10) Phenol                  | 6.516  | 94   | 17303    | 2.81  | ng    | 86       |
| 71) Phenanthrene            | 11.433 | 178  | 42082    | 4.68  | ng    | 96       |
| 75) Fluoranthene            | 12.633 | 202  | 67473    | 6.92  | ng    | 97       |
| 78) Pyrene                  | 12.863 | 202  | 66820    | 5.54  | ng    | 98       |
| 81) Benzo(a)anthracene      | 14.051 | 228  | 46037    | 4.33  | ng    | 98       |
| 83) Chrysene                | 14.086 | 228  | 39606m   | 3.91  | ng    |          |
| 87) Indeno(1,2,3-cd)pyrene  | 17.068 | 276  | 18126    | 2.09  | ng    | 95       |
| 88) Benzo(b)fluoranthene    | 15.109 | 252  | 56812m   | 6.40  | ng    |          |
| 90) Benzo(a)pyrene          | 15.486 | 252  | 33765    | 4.71  | ng    | # 86     |
| -----                       |        |      |          |       |       |          |

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

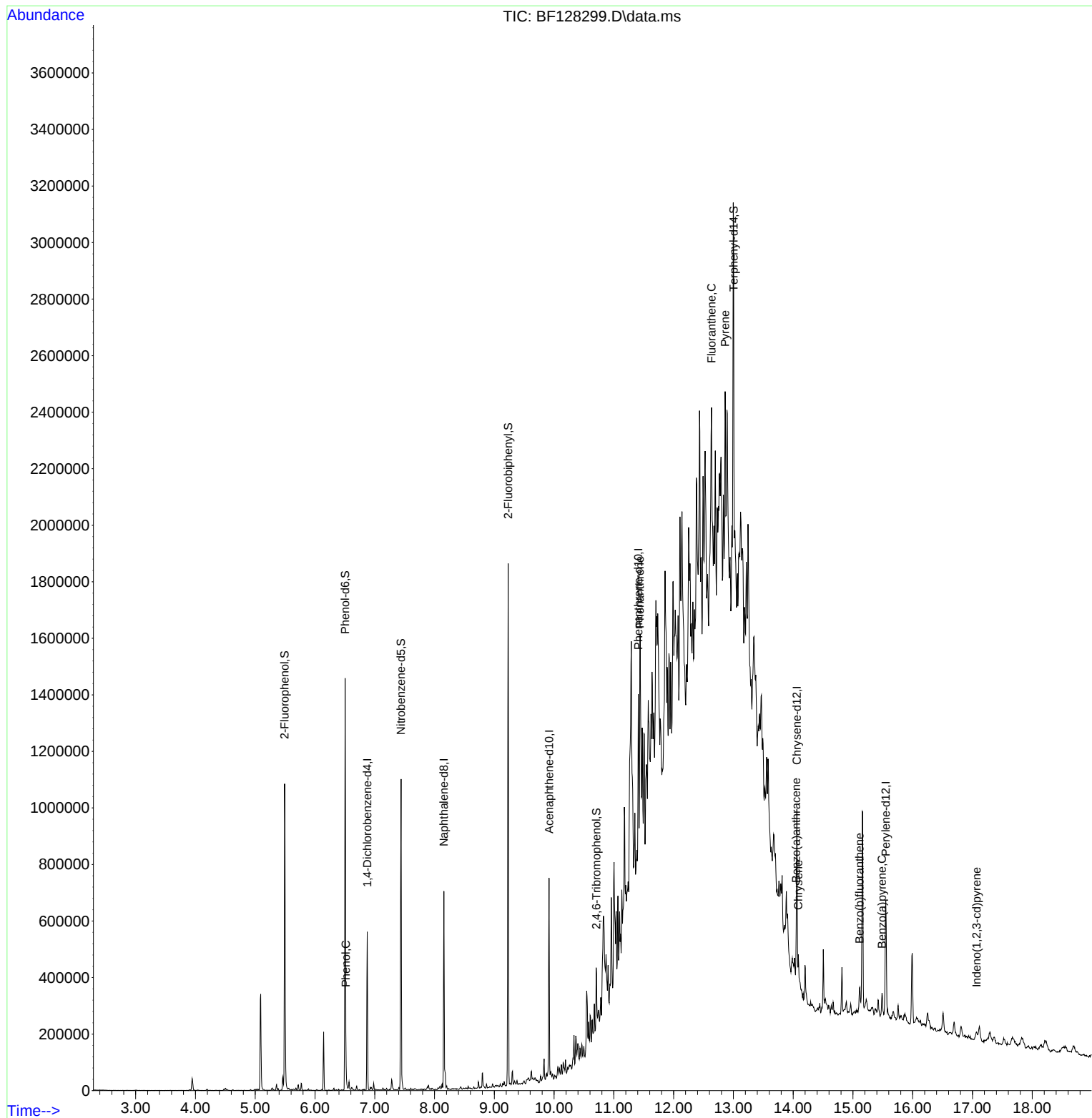
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051722\  
Data File : BF128299.D  
Acq On : 17 May 2022 19:11  
Operator : CG\JU  
Sample : N2882-02  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

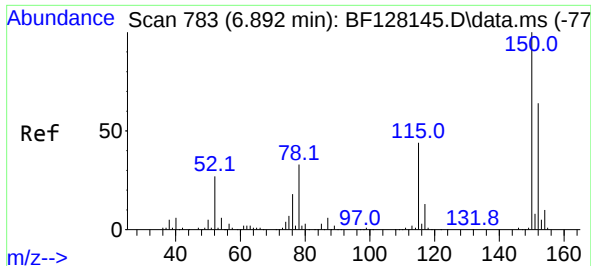
Instrument :  
BNA\_F  
ClientSampleId :  
SLP-2

Quant Time: May 18 01:34:43 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF050922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 18 01:31:11 2022  
Response via : Initial Calibration

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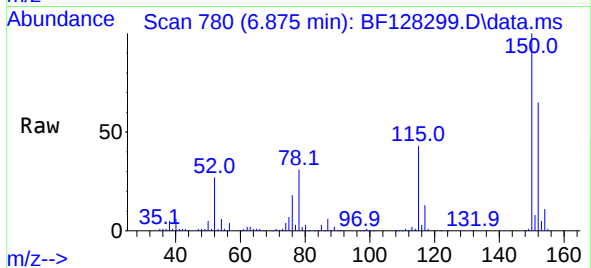
Reviewed By : Christian Giraldo 05/18/2022  
Supervised By : Jagrut Upadhyay 05/18/2022





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.875 min Scan# 70  
Delta R.T. -0.006 min  
Lab File: BF128299.D  
Acq: 17 May 2022 19:11

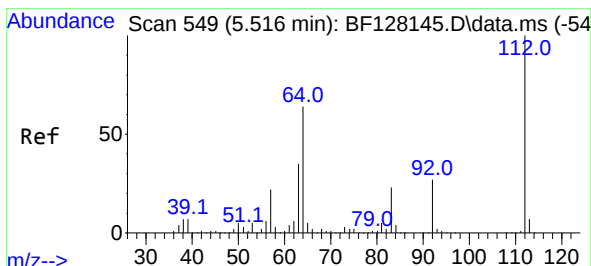
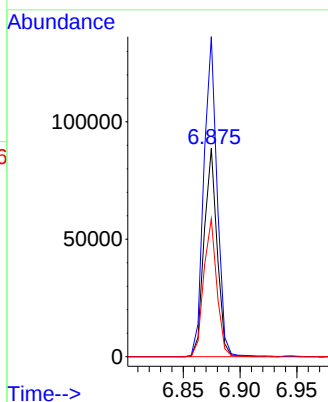
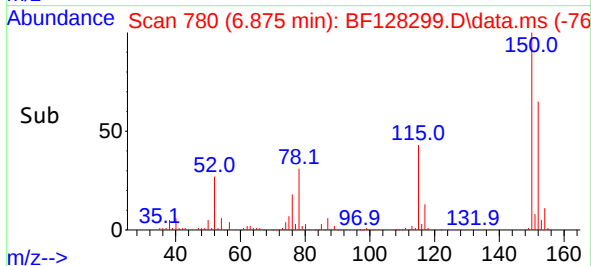
Instrument :  
BNA\_F  
ClientSampleId :  
SLP-2



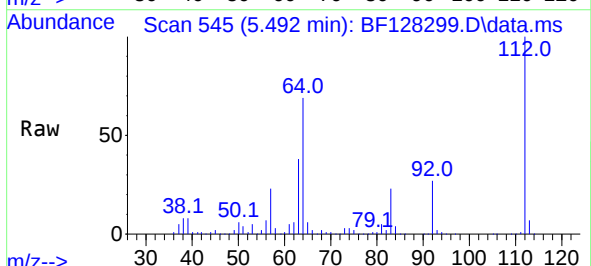
Tgt Ion:152 Resp: 70458  
Ion Ratio Lower Upper  
152 100  
150 153.6 125.3 187.9  
115 66.1 48.8 73.2

Manual Integrations  
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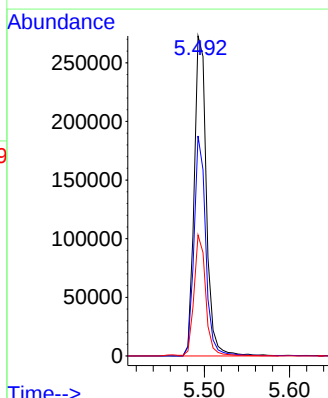
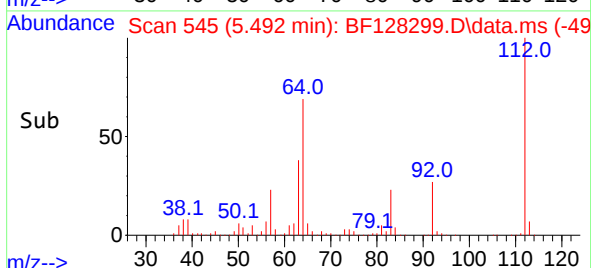
Reviewed By :Christian Giraldo 05/18/2022  
Supervised By :Jagrut Upadhyay 05/18/2022



#5  
2-Fluorophenol  
Concen: 61.58 ng  
RT: 5.492 min Scan# 545  
Delta R.T. -0.006 min  
Lab File: BF128299.D  
Acq: 17 May 2022 19:11



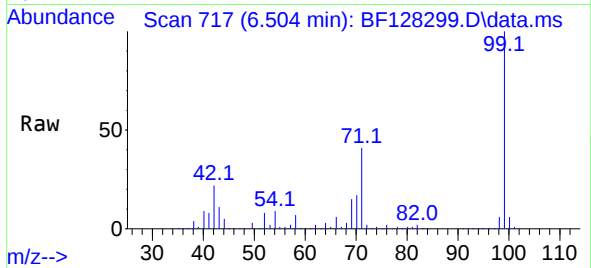
Tgt Ion:112 Resp: 272194  
Ion Ratio Lower Upper  
112 100  
64 68.8 49.5 74.3  
63 37.8 26.3 39.5





#7  
Phenol-d6  
Concen: 72.25 ng  
RT: 6.504 min Scan# 719  
Delta R.T. -0.012 min  
Lab File: BF128299.D  
Acq: 17 May 2022 19:11

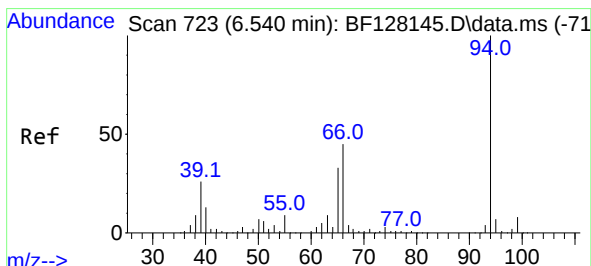
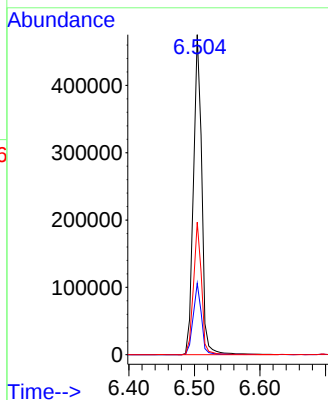
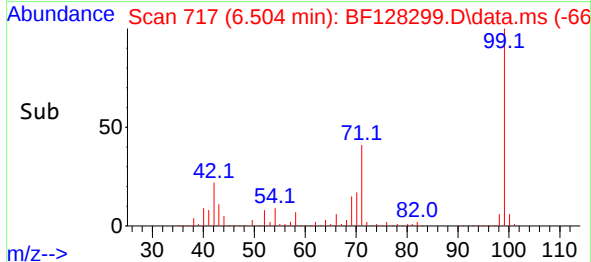
Instrument :  
BNA\_F  
ClientSampleId :  
SLP-2



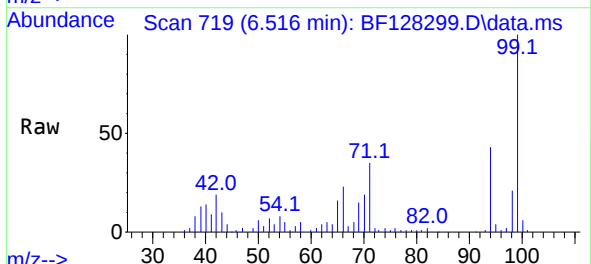
Tgt Ion: 99 Resp: 42236  
Ion Ratio Lower Upper  
99 100  
42 22.3 16.6 24.8  
71 41.4 30.0 45.0

Manual Integrations  
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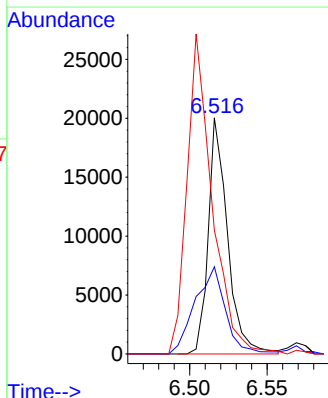
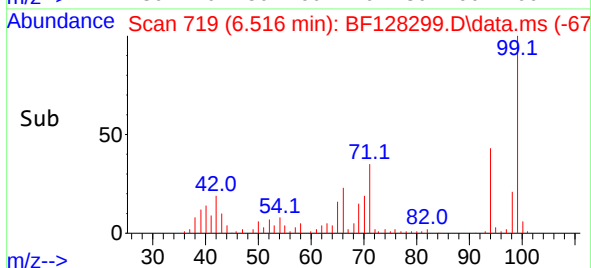
Reviewed By :Christian Giraldo 05/18/2022  
Supervised By :Jagrut Upadhyay 05/18/2022

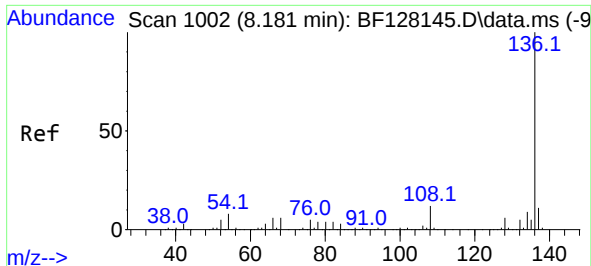


#10  
Phenol  
Concen: 2.81 ng  
RT: 6.516 min Scan# 719  
Delta R.T. -0.012 min  
Lab File: BF128299.D  
Acq: 17 May 2022 19:11



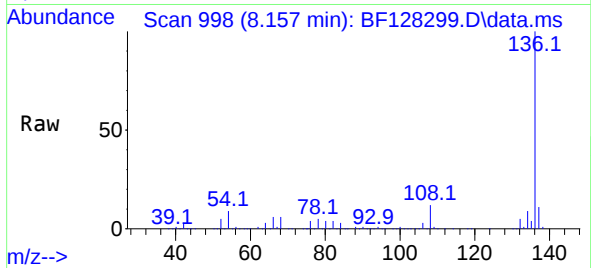
Tgt Ion: 94 Resp: 17303  
Ion Ratio Lower Upper  
94 100  
65 36.9 10.6 50.6  
66 52.4 22.6 62.6





#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.157 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF128299.D  
Acq: 17 May 2022 19:11

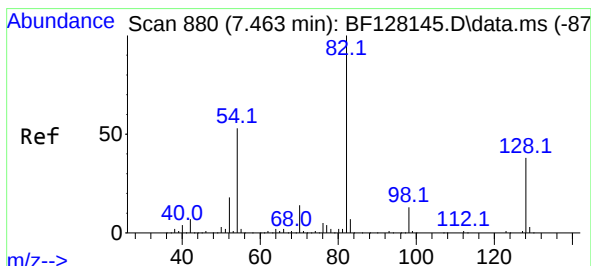
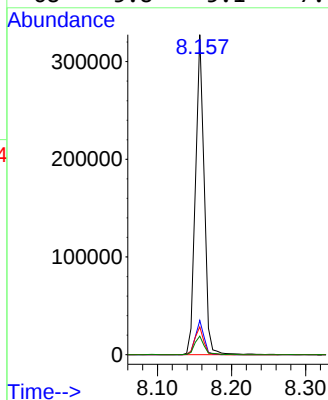
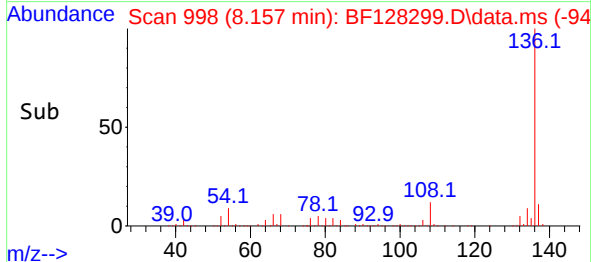
Instrument :  
BNA\_F  
ClientSampleId :  
SLP-2



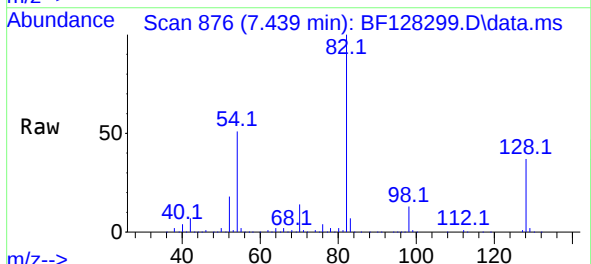
Tgt Ion:136 Resp: 265624  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 13.0  
54 8.7 6.8 10.2  
68 5.8 5.1 7.7

Manual Integrations  
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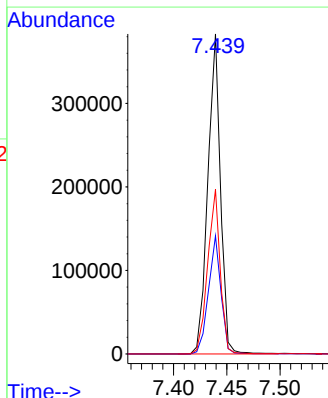
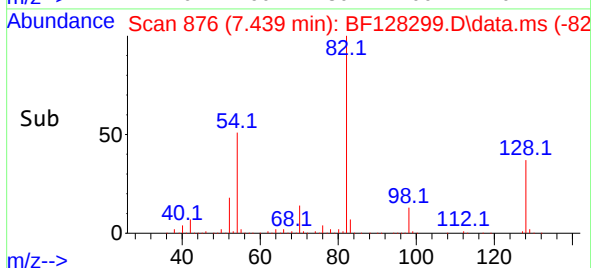
Reviewed By :Christian Giraldo 05/18/2022  
Supervised By :Jagrut Upadhyay 05/18/2022

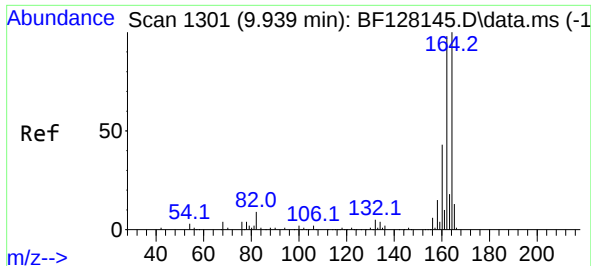


#23  
Nitrobenzene-d5  
Concen: 53.65 ng  
RT: 7.439 min Scan# 876  
Delta R.T. -0.012 min  
Lab File: BF128299.D  
Acq: 17 May 2022 19:11



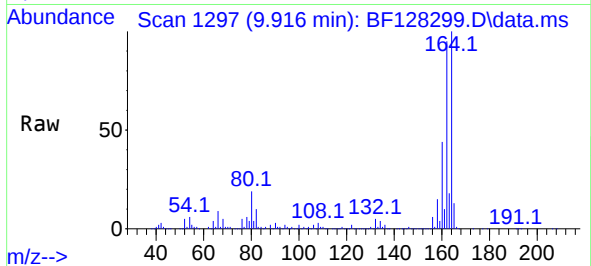
Tgt Ion: 82 Resp: 316730  
Ion Ratio Lower Upper  
82 100  
128 36.9 30.0 45.0  
54 51.4 41.3 61.9





#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.916 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF128299.D  
Acq: 17 May 2022 19:11

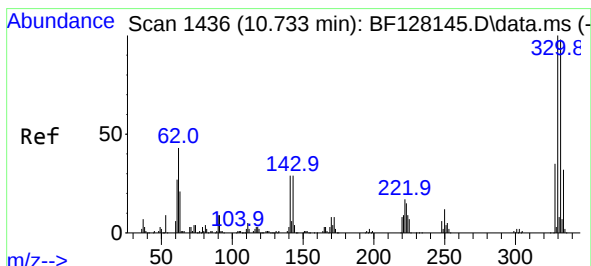
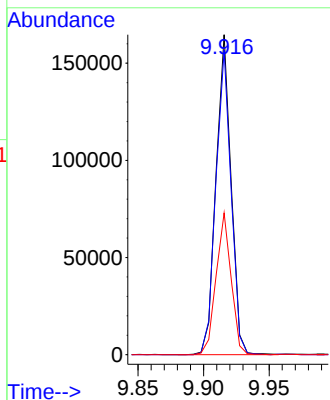
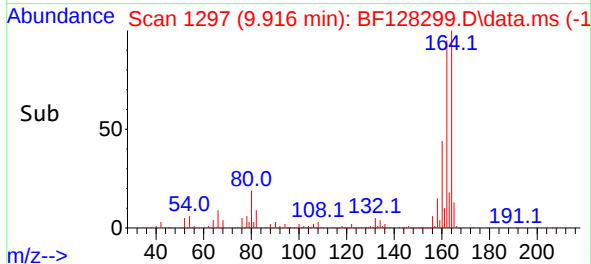
Instrument :  
BNA\_F  
ClientSampleId :  
SLP-2



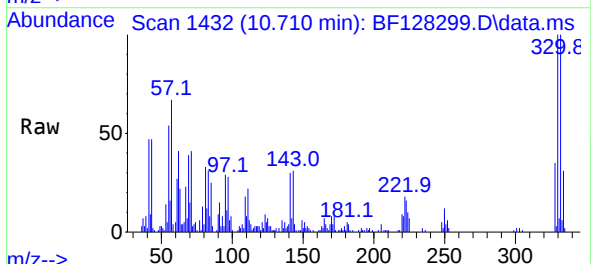
Tgt Ion:164 Resp: 13167  
Ion Ratio Lower Upper  
164 100  
162 95.2 76.0 114.0  
160 44.3 34.8 52.2

Manual Integrations  
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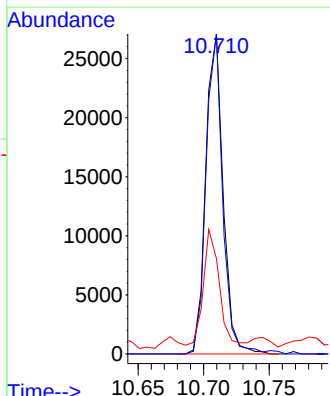
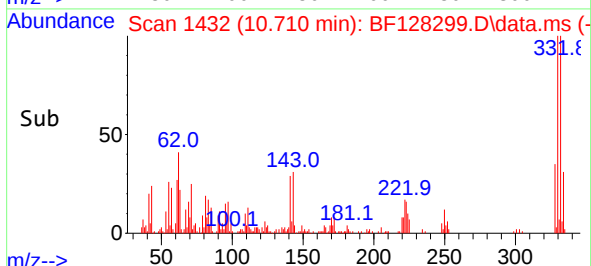
Reviewed By :Christian Giraldo 05/18/2022  
Supervised By :Jagrut Upadhyay 05/18/2022

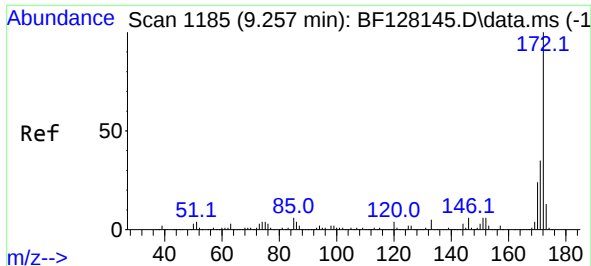


#42  
2,4,6-Tribromophenol  
Concen: 16.54 ng  
RT: 10.710 min Scan# 1432  
Delta R.T. -0.006 min  
Lab File: BF128299.D  
Acq: 17 May 2022 19:11



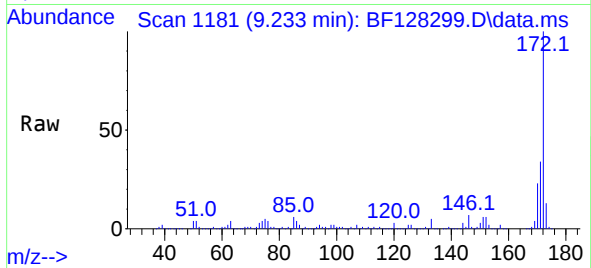
Tgt Ion:330 Resp: 24970  
Ion Ratio Lower Upper  
330 100  
332 96.1 79.0 118.4  
141 33.5 28.9 43.3





#45  
2-Fluorobiphenyl  
Concen: 58.79 ng  
RT: 9.233 min Scan# 1185  
Delta R.T. -0.006 min  
Lab File: BF128299.D  
Acq: 17 May 2022 19:11

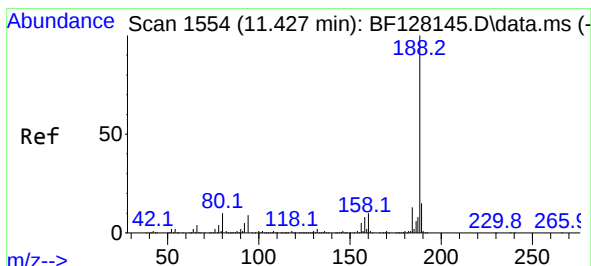
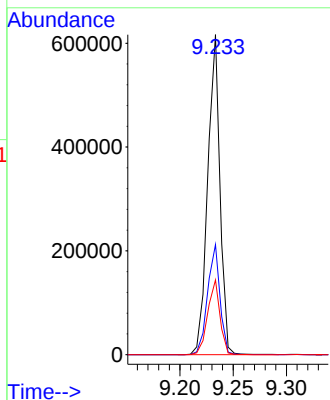
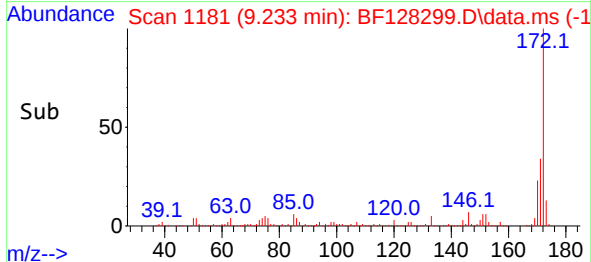
Instrument :  
BNA\_F  
ClientSampleId :  
SLP-2



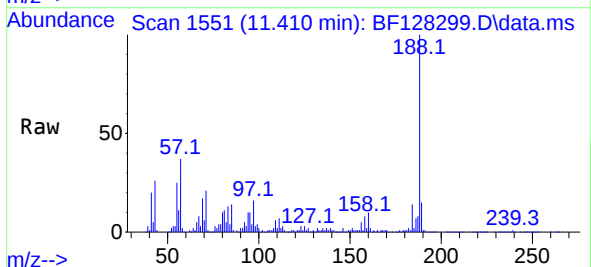
Tgt Ion:172 Resp: 494722  
Ion Ratio Lower Upper  
172 100  
171 34.4 28.6 42.8  
170 23.4 19.1 28.7

Manual Integrations  
APPROVED

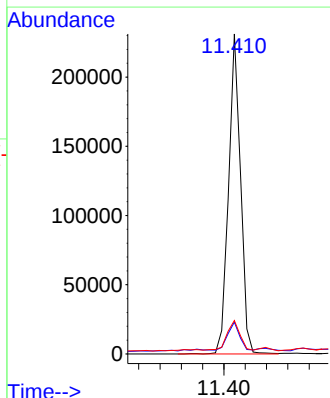
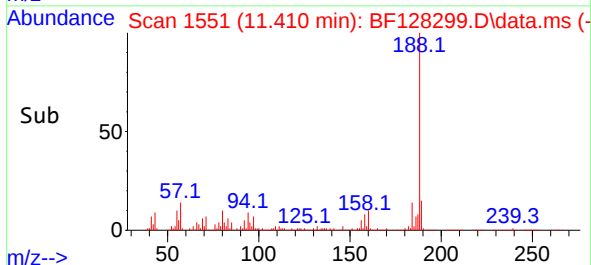
Reviewed By :Christian Giraldo 05/18/2022  
Supervised By :Jagrut Upadhyay 05/18/2022

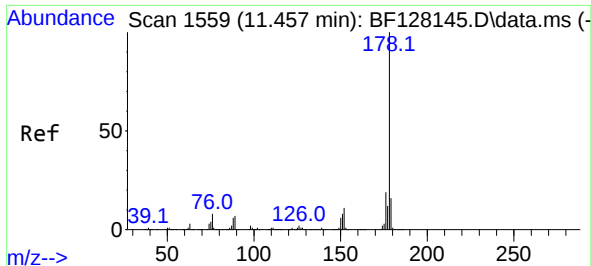


#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.410 min Scan# 1551  
Delta R.T. -0.006 min  
Lab File: BF128299.D  
Acq: 17 May 2022 19:11



Tgt Ion:188 Resp: 180658  
Ion Ratio Lower Upper  
188 100  
94 9.9 8.0 12.0  
80 10.4 8.9 13.3





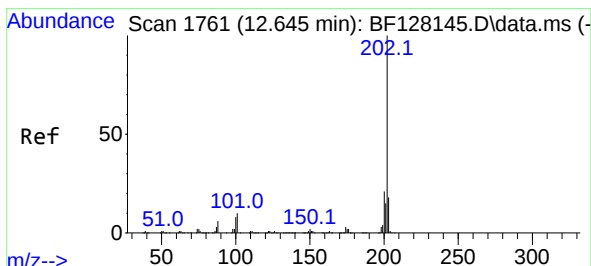
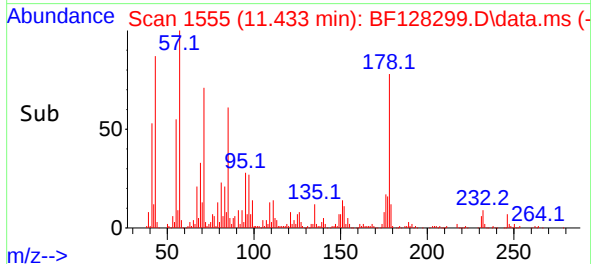
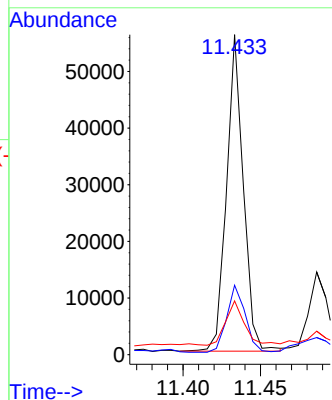
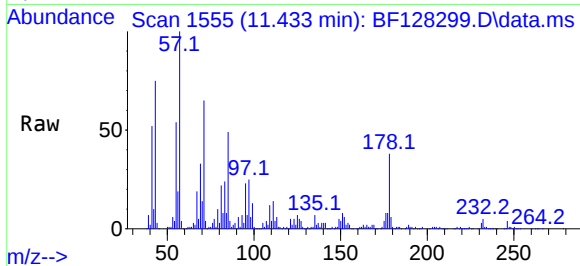
#71  
Phenanthrene  
Concen: 4.68 ng  
RT: 11.433 min Scan# 11433  
Delta R.T. -0.006 min  
Lab File: BF128299.D  
Acq: 17 May 2022 19:11

Instrument :  
BNA\_F  
ClientSampleId :  
SLP-2

Tgt Ion:178 Resp: 42082  
Ion Ratio Lower Upper  
178 100  
176 21.7 15.7 23.5  
179 16.8 12.6 19.0

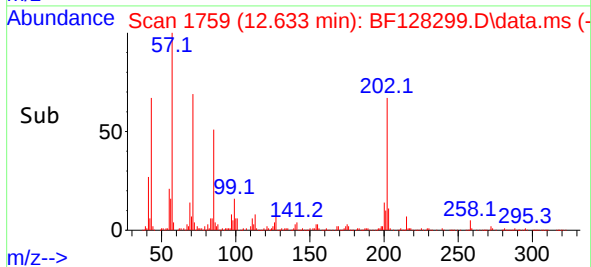
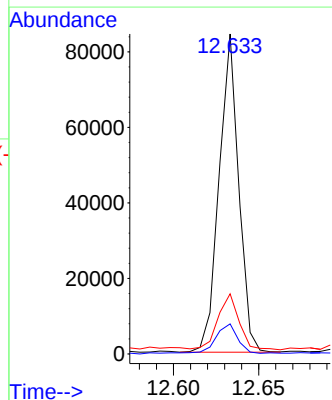
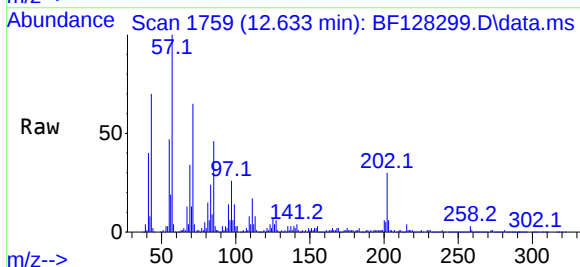
Manual Integrations  
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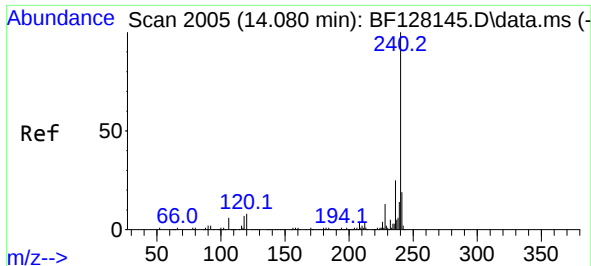
Reviewed By :Christian Giraldo 05/18/2022  
Supervised By :Jagrut Upadhyay 05/18/2022



#75  
Fluoranthene  
Concen: 6.92 ng  
RT: 12.633 min Scan# 1759  
Delta R.T. -0.000 min  
Lab File: BF128299.D  
Acq: 17 May 2022 19:11

Tgt Ion:202 Resp: 67473  
Ion Ratio Lower Upper  
202 100  
101 9.4 0.0 31.6  
203 18.8 0.0 38.1





#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.062 min Scan# 2005

Delta R.T. -0.000 min

Lab File: BF128299.D

Acq: 17 May 2022 19:11

Instrument :

BNA\_F

ClientSampleId :

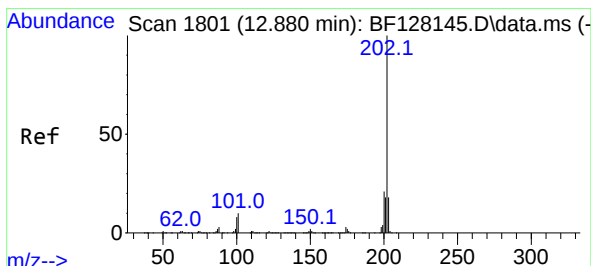
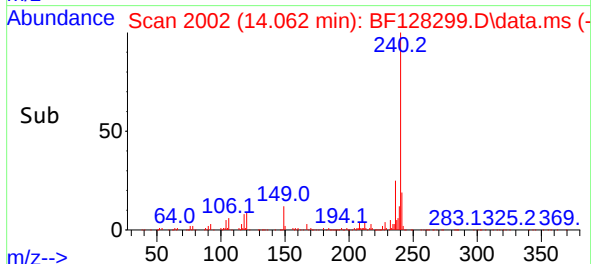
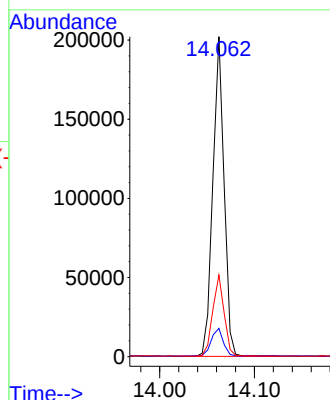
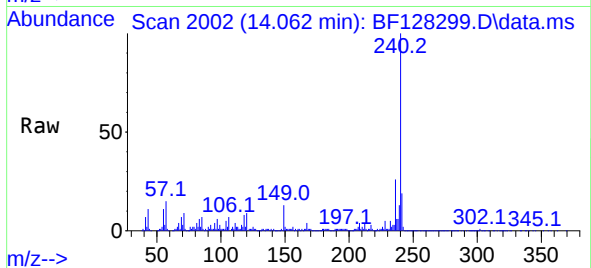
SLP-2

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 240   | Resp: | 16641 |
| Ion Ratio | Lower | Upper |       |
| 240       | 100   |       |       |
| 120       | 8.9   | 7.0   | 10.6  |
| 236       | 25.5  | 20.3  | 30.5  |

Manual Integrations

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Reviewed By :Christian Giraldo 05/18/2022  
Supervised By :Jagrut Upadhyay 05/18/2022



#78

Pyrene

Concen: 5.54 ng

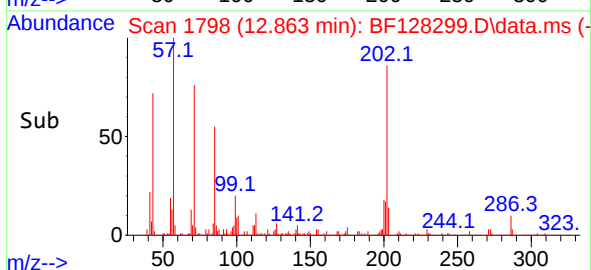
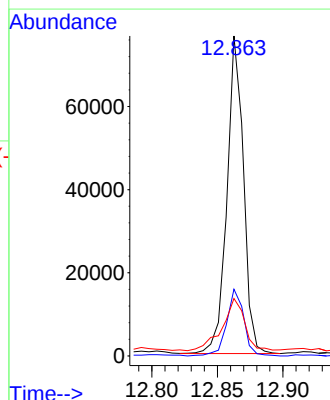
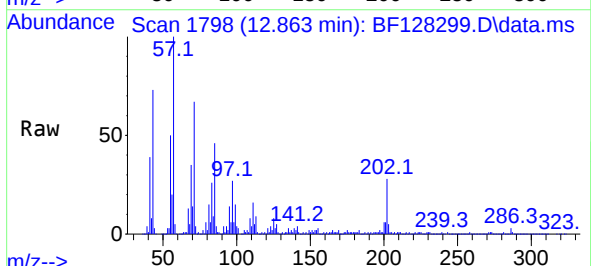
RT: 12.863 min Scan# 1798

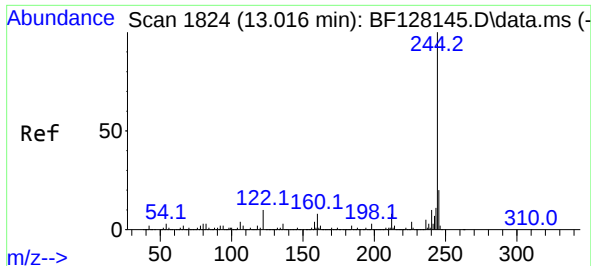
Delta R.T. -0.000 min

Lab File: BF128299.D

Acq: 17 May 2022 19:11

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 66820 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 20.9  | 17.4  | 26.2  |
| 203       | 18.0  | 14.0  | 21.0  |





#79  
Terphenyl-d14  
Concen: 41.83 ng  
RT: 13.004 min Scan# 1824  
Delta R.T. -0.000 min  
Lab File: BF128299.D  
Acq: 17 May 2022 19:11

Instrument :

BNA\_F

ClientSampleId :

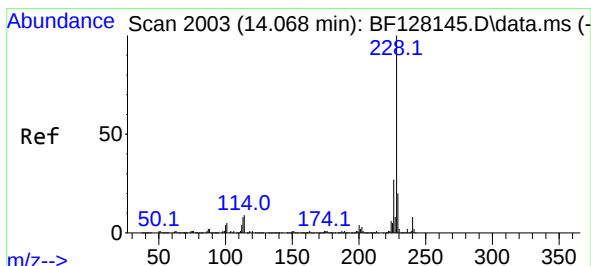
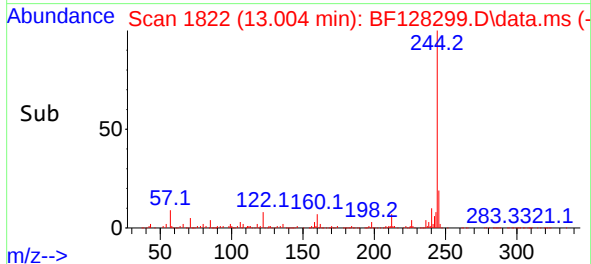
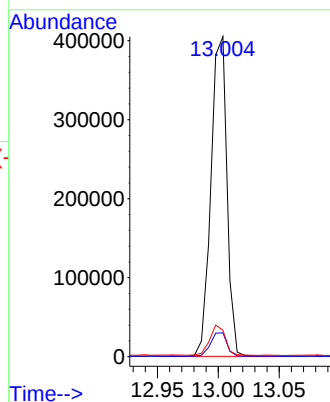
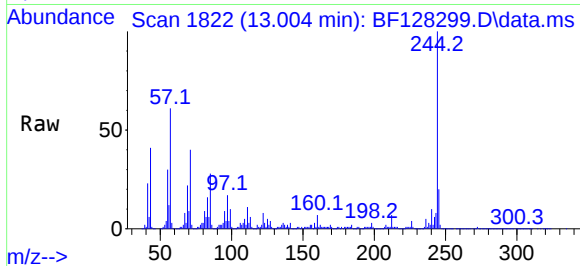
SLP-2

Tgt Ion:244 Resp: 370989  
Ion Ratio Lower Upper  
244 100  
212 7.5 6.2 9.4  
122 8.3 8.6 12.8

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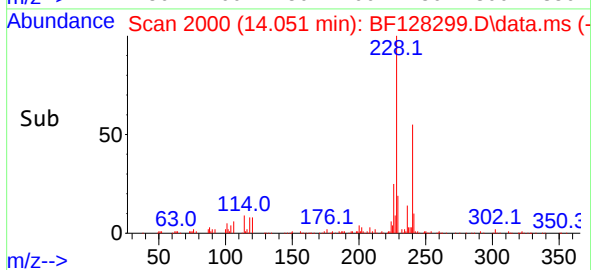
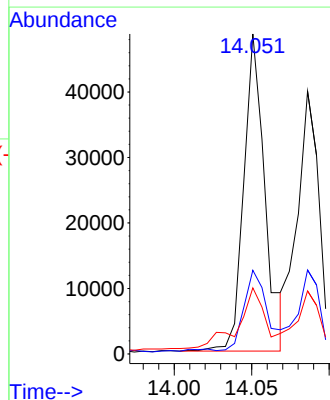
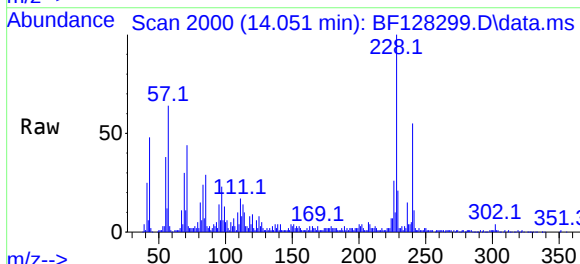
APPROVED

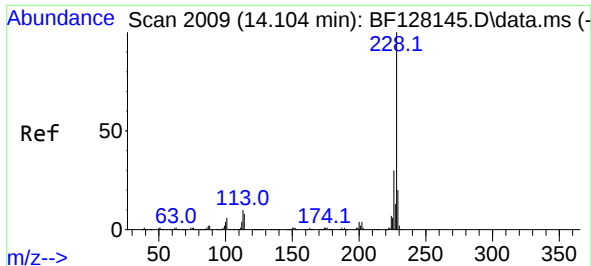
Reviewed By :Christian Giraldo 05/18/2022  
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#81  
Benzo(a)anthracene  
Concen: 4.33 ng  
RT: 14.051 min Scan# 2000  
Delta R.T. -0.006 min  
Lab File: BF128299.D  
Acq: 17 May 2022 19:11

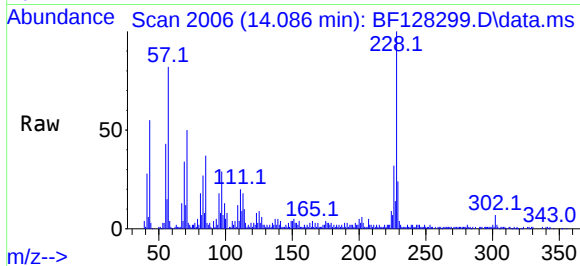
Tgt Ion:228 Resp: 46037  
Ion Ratio Lower Upper  
228 100  
226 26.1 21.7 32.5  
229 20.6 15.4 23.2





#83  
Chrysene  
Concen: 3.91 ng m  
RT: 14.086 min Scan# 2009  
Delta R.T. -0.006 min  
Lab File: BF128299.D  
Acq: 17 May 2022 19:11

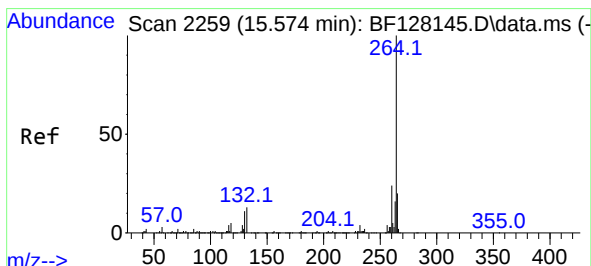
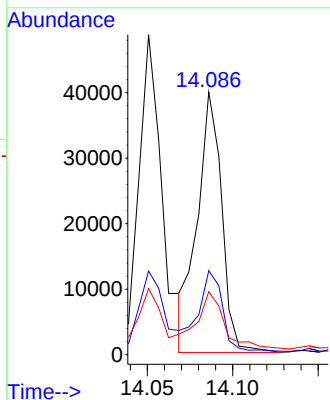
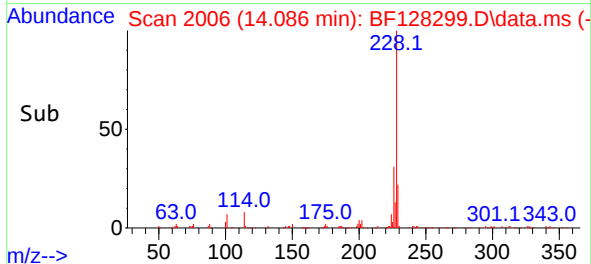
Instrument :  
BNA\_F  
ClientSampleId :  
SLP-2



Tgt Ion:228 Resp: 39600  
Ion Ratio Lower Upper  
228 100  
226 32.0 24.4 36.6  
229 24.0 15.8 23.8

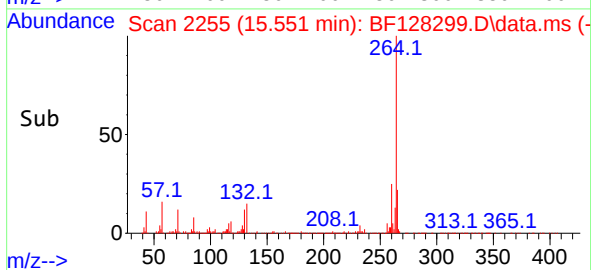
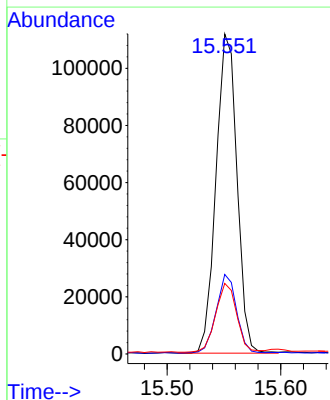
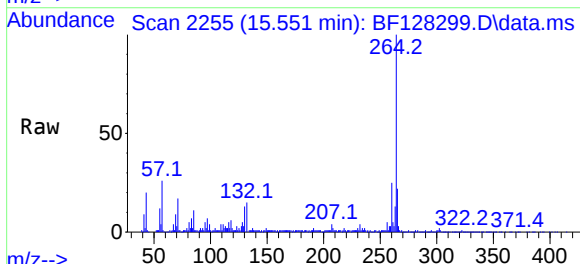
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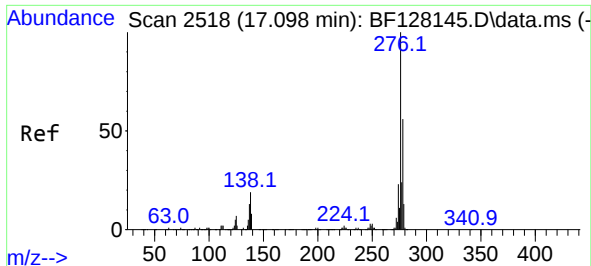
Reviewed By :Christian Giraldo 05/18/2022  
Supervised By :Jagrut Upadhyay 05/18/2022



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.551 min Scan# 2255  
Delta R.T. -0.006 min  
Lab File: BF128299.D  
Acq: 17 May 2022 19:11

Tgt Ion:264 Resp: 143159  
Ion Ratio Lower Upper  
264 100  
260 24.9 20.1 30.1  
265 22.1 17.5 26.3





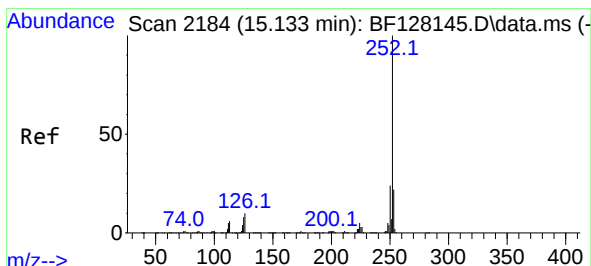
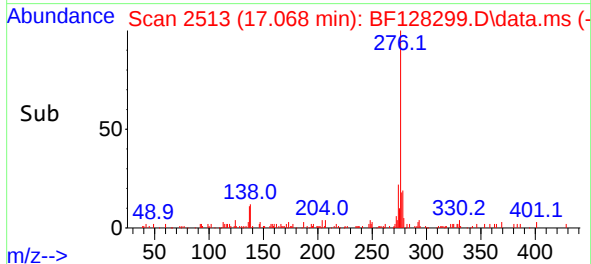
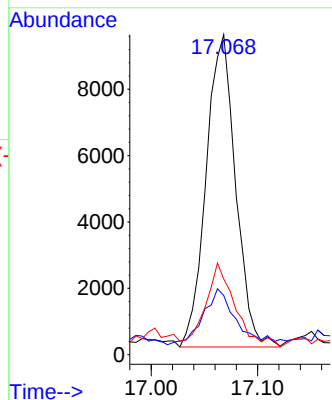
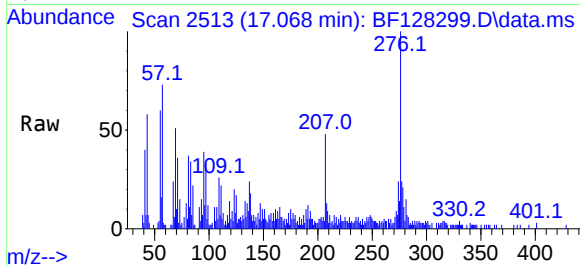
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 2.09 ng  
RT: 17.068 min Scan# 2180  
Delta R.T. -0.018 min  
Lab File: BF128299.D  
Acq: 17 May 2022 19:11

Instrument :  
BNA\_F  
ClientSampleId :  
SLP-2

Tgt Ion: 276 Resp: 18120  
Ion Ratio Lower Upper  
276 100  
138 20.1 19.0 28.4  
277 26.8 20.1 30.1

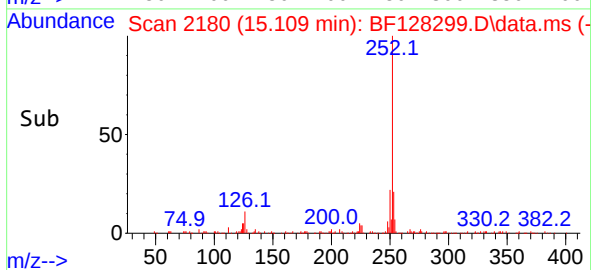
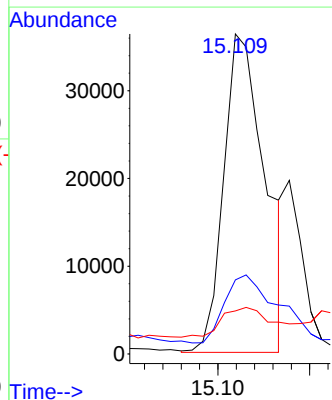
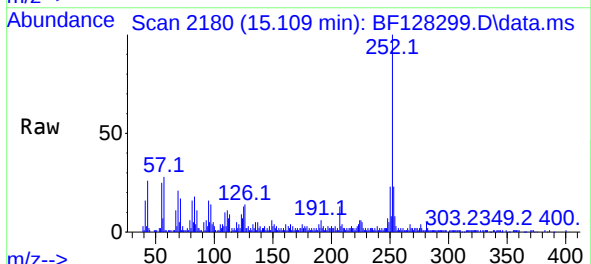
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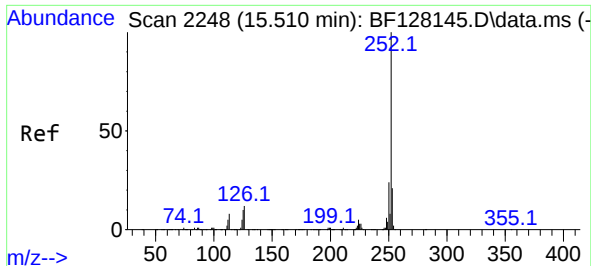
Reviewed By : Christian Giraldo 05/18/2022  
Supervised By : Jagrut Upadhyay 05/18/2022



#88  
Benzo(b)fluoranthene  
Concen: 6.40 ng m  
RT: 15.109 min Scan# 2180  
Delta R.T. -0.006 min  
Lab File: BF128299.D  
Acq: 17 May 2022 19:11

Tgt Ion: 252 Resp: 56812  
Ion Ratio Lower Upper  
252 100  
253 23.2 17.4 26.2  
125 13.4 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 4.71 ng

RT: 15.486 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF128299.D

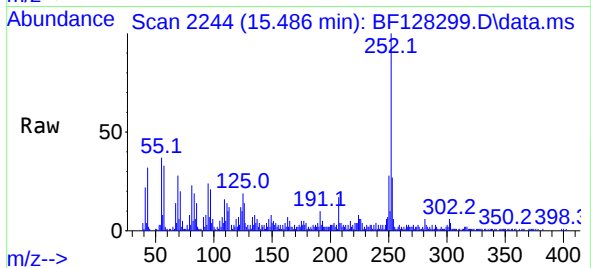
Acq: 17 May 2022 19:11

Instrument :

BNA\_F

ClientSampleId :

SLP-2



|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:252 | Resp: | 3376      |
| Ion Ratio   | Lower | Upper     |
| 252         | 100   |           |
| 253         | 27.4  | 17.8 26.6 |
| 125         | 19.5  | 9.2 13.8  |

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