

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061323\  
 Data File : BF133735.D  
 Acq On : 13 Jun 2023 17:23  
 Operator : CG\JU  
 Sample : 03069-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB34A

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/14/2023  
 Supervised By :mohammad ahmed 06/16/2023

Quant Time: Jun 13 18:04:11 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 13 11:26:55 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.834  | 152  | 81105    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.116  | 136  | 262975   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.869  | 164  | 111690   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.357 | 188  | 243619   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12            | 14.004 | 240  | 200191   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12            | 15.468 | 264  | 143497   | 20.000 | ng    | -0.01    |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.445  | 112  | 382580   | 82.120 | ng    | 0.00     |
| 7) Phenol-d6                | 6.457  | 99   | 427732   | 70.534 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.392  | 82   | 271723   | 56.279 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.657 | 330  | 112177   | 79.345 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.192  | 172  | 469177   | 59.714 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.951 | 244  | 616065   | 47.618 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 11.380 | 178  | 59732    | 4.833  | ng    | 98       |
| 75) Fluoranthene            | 12.574 | 202  | 162237   | 12.360 | ng    | 99       |
| 78) Pyrene                  | 12.804 | 202  | 140191   | 7.518  | ng    | 98       |
| 81) Benzo(a)anthracene      | 13.992 | 228  | 70300    | 5.077  | ng    | 96       |
| 83) Chrysene                | 14.027 | 228  | 59965    | 4.579  | ng    | 96       |
| 88) Benzo(b)fluoranthene    | 15.039 | 252  | 48624m   | 5.578  | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.068 | 252  | 19090m   | 2.248  | ng    |          |
| 90) Benzo(a)pyrene          | 15.404 | 252  | 29953    | 3.703  | ng    | # 97     |
| -----                       |        |      |          |        |       |          |

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

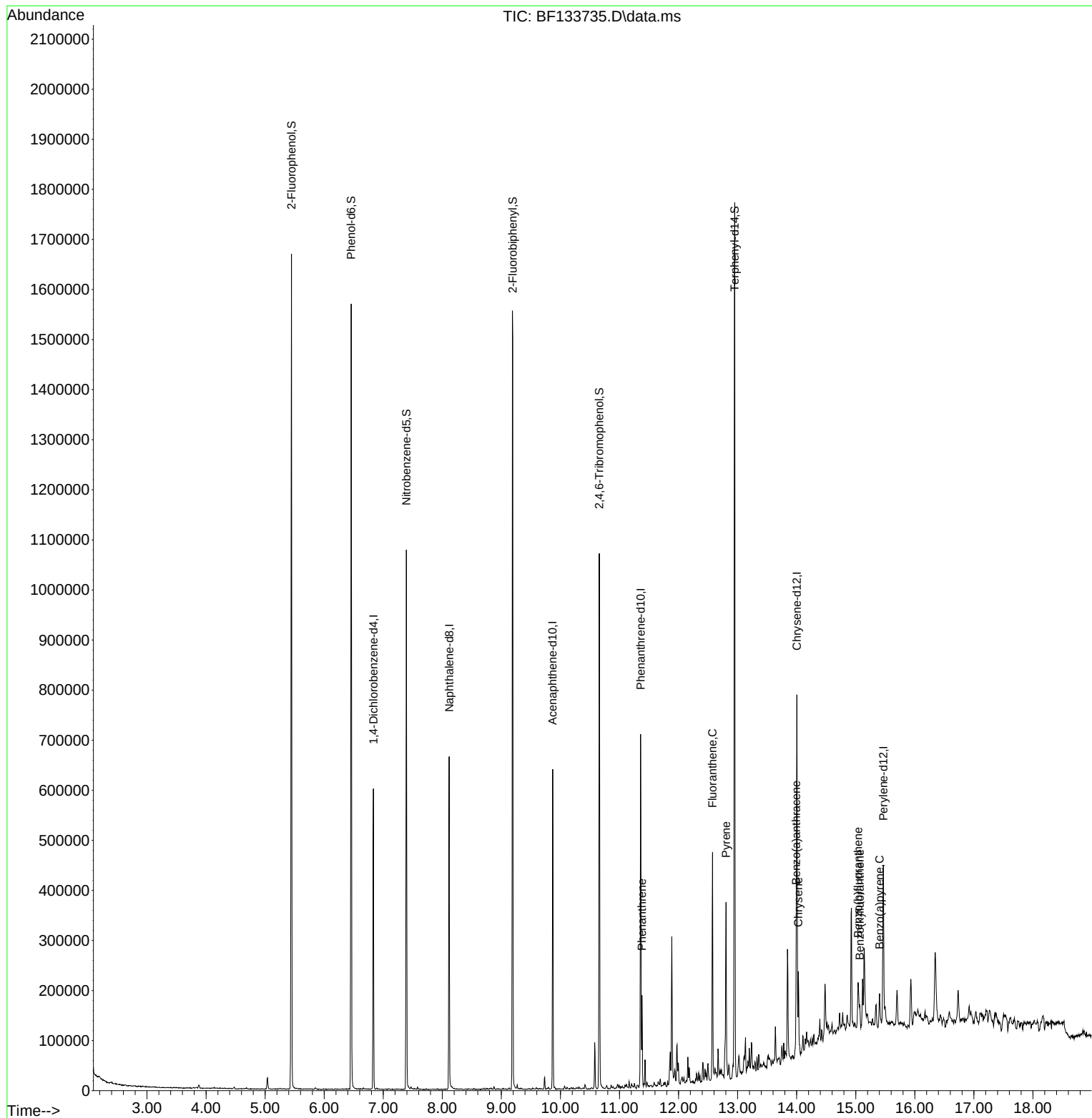
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061323\  
Data File : BF133735.D  
Acq On : 13 Jun 2023 17:23  
Operator : CG\JU  
Sample : 03069-01  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

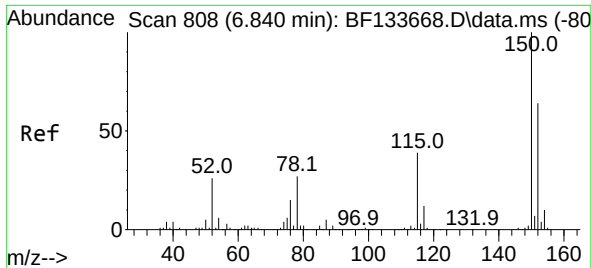
Instrument :  
BNA\_F  
ClientSampleId :  
SB34A

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Supervised By :mohammad ahmed 06/16/2023

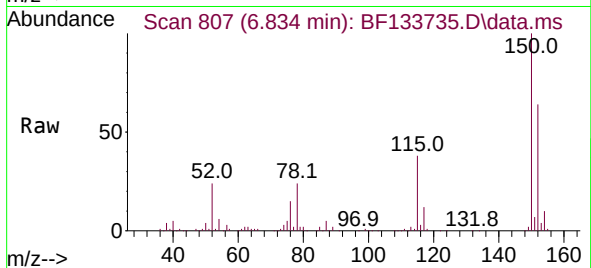
Quant Time: Jun 13 18:04:11 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 13 11:26:55 2023  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.834 min Scan# 808  
Delta R.T. -0.000 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

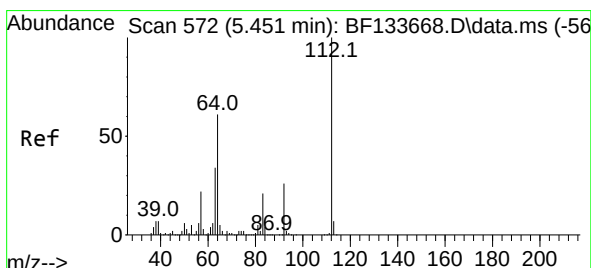
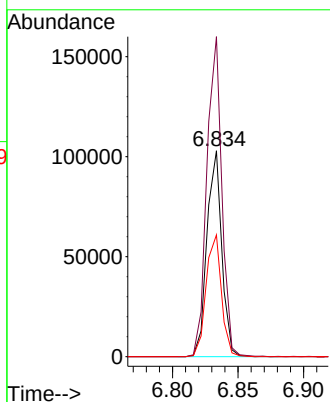
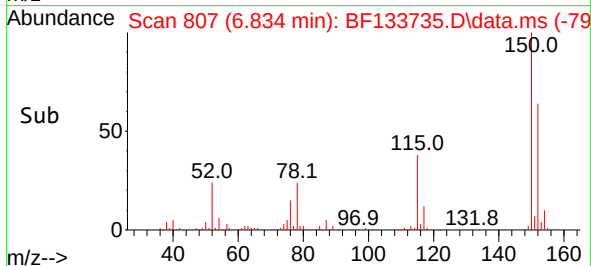
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:152 Resp: 8110  
Ion Ratio Lower Upper  
152 100  
150 155.4 124.3 186.5  
115 59.1 48.5 72.7

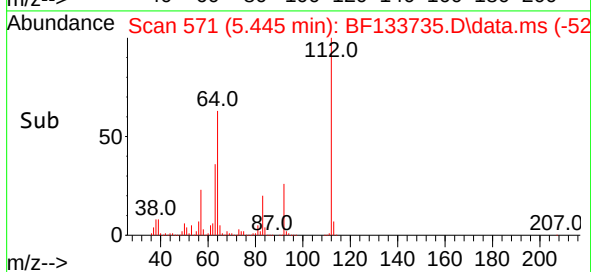
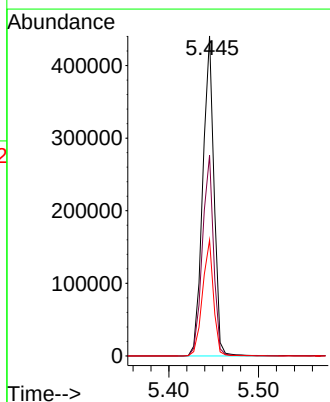
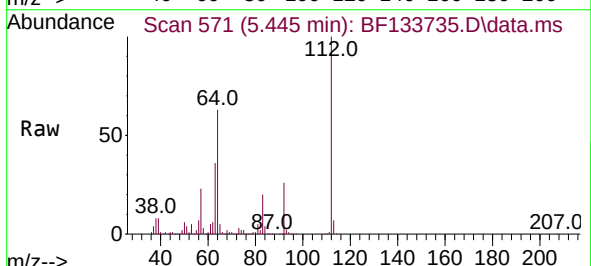
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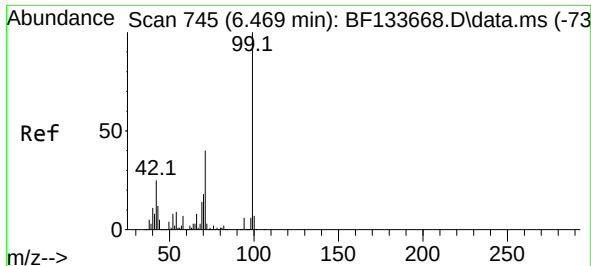
Reviewed By :Yogesh Patel 06/14/2023  
Supervised By :mohammad ahmed 06/16/2023



#5  
2-Fluorophenol  
Concen: 82.120 ng  
RT: 5.445 min Scan# 571  
Delta R.T. -0.000 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

Tgt Ion:112 Resp: 382580  
Ion Ratio Lower Upper  
112 100  
64 62.7 49.0 73.4  
63 36.2 26.8 40.2





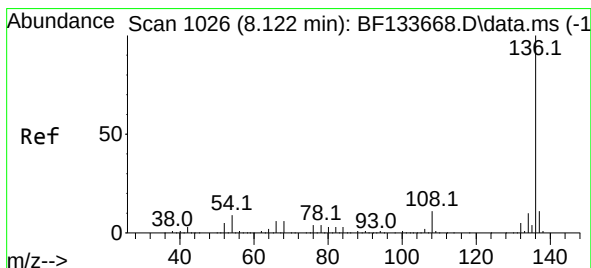
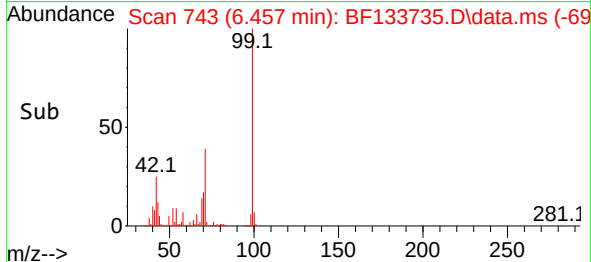
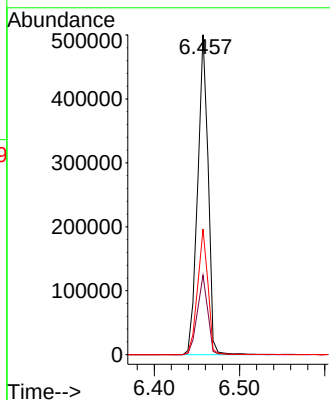
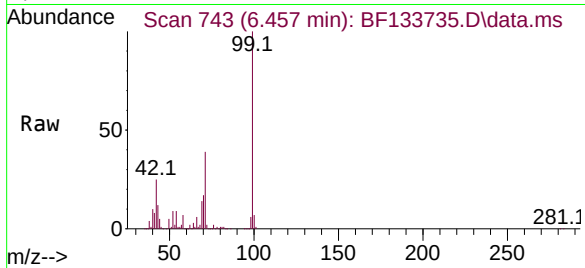
#7  
Phenol-d6  
Concen: 70.534 ng  
RT: 6.457 min Scan# 74  
Delta R.T. -0.012 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

Instrument :  
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Tgt Ion: 99 Resp: 427732  
Ion Ratio Lower Upper  
99 100  
42 24.8 19.9 29.9  
71 39.2 32.2 48.4

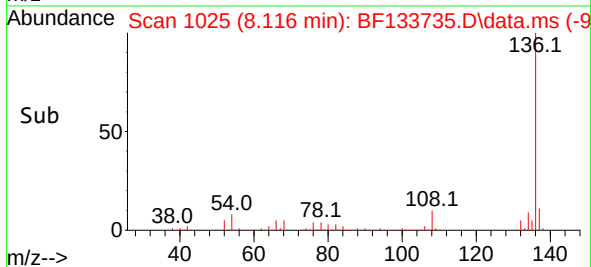
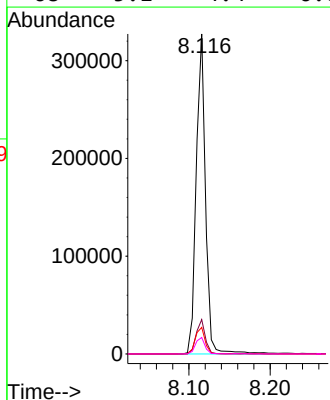
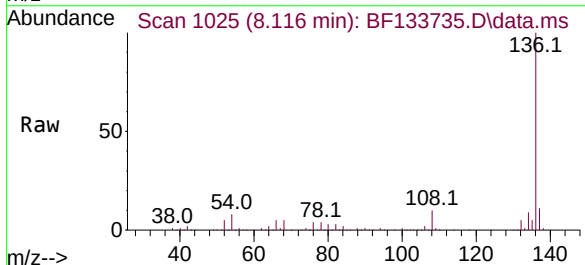
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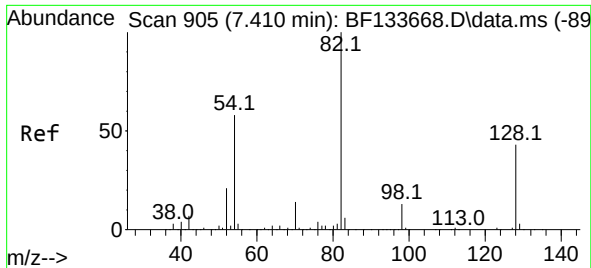
Reviewed By :Yogesh Patel 06/14/2023  
Supervised By :mohammad ahmed 06/16/2023



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.116 min Scan# 1025  
Delta R.T. -0.006 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

Tgt Ion:136 Resp: 262975  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.8 13.2  
54 8.3 7.4 11.0  
68 5.1 4.4 6.6





#23  
Nitrobenzene-d5  
Concen: 56.279 ng  
RT: 7.392 min Scan# 905  
Delta R.T. -0.012 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

Instrument :

BNA\_F

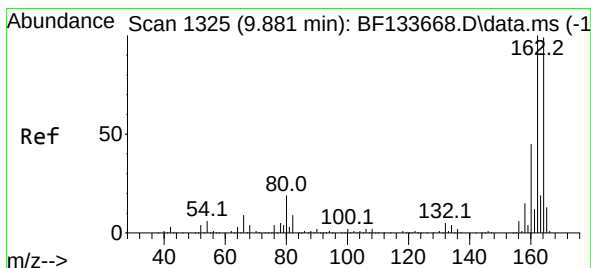
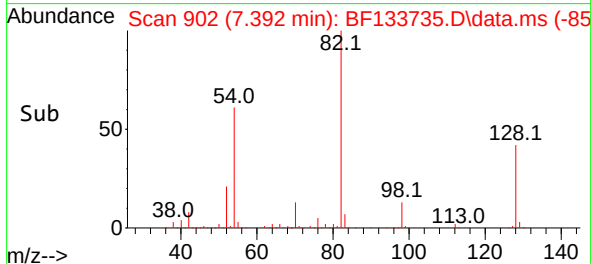
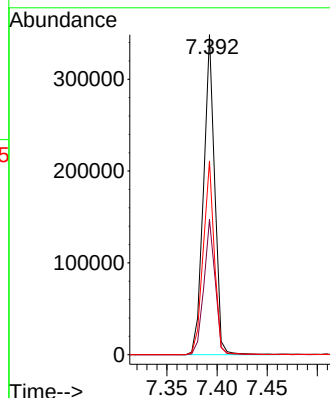
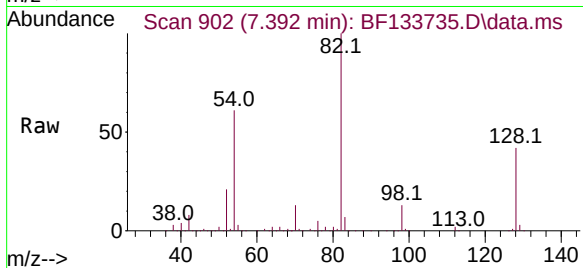
ClientSampleId :

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Tgt Ion: 82 Resp: 271723  
Ion Ratio Lower Upper  
82 100  
128 42.3 34.2 51.2  
54 60.6 46.5 69.7

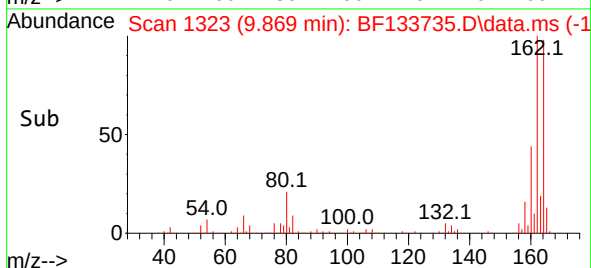
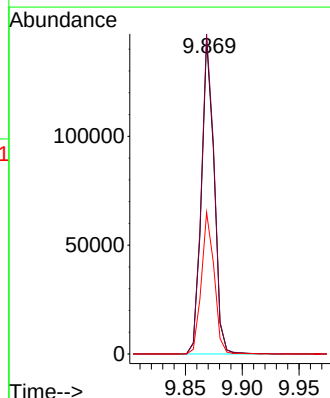
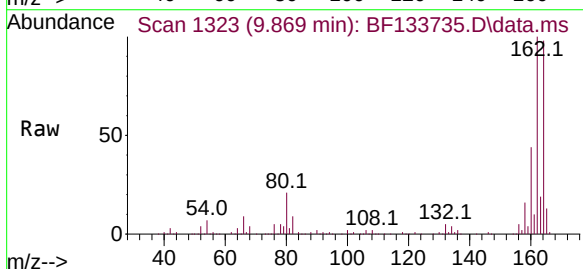
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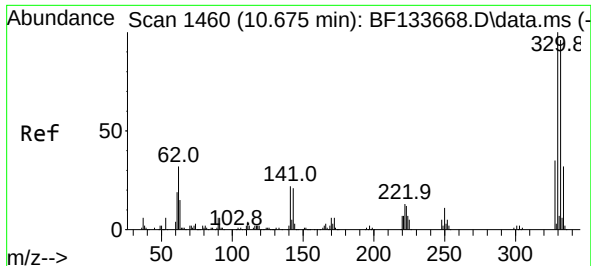
Reviewed By :Yogesh Patel 06/14/2023  
Supervised By :mohammad ahmed 06/16/2023



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.869 min Scan# 1323  
Delta R.T. -0.012 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

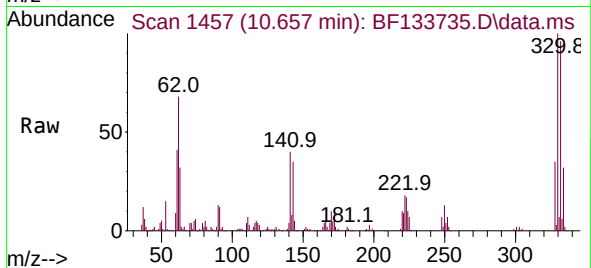
Tgt Ion:164 Resp: 111690  
Ion Ratio Lower Upper  
164 100  
162 101.8 80.8 121.2  
160 45.0 36.7 55.1





#42  
2,4,6-Tribromophenol  
Concen: 79.345 ng  
RT: 10.657 min Scan# 1460  
Delta R.T. -0.012 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

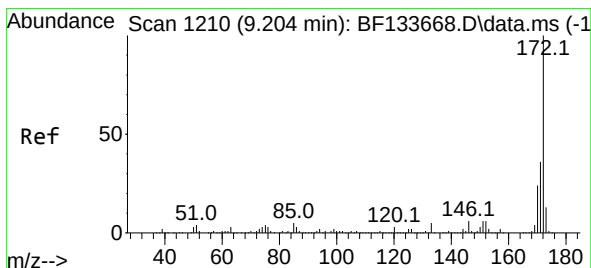
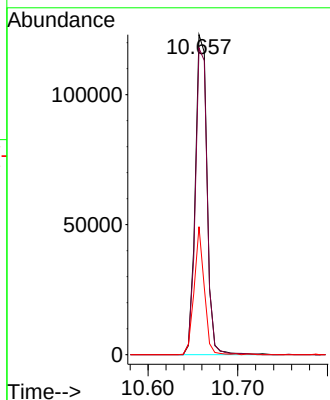
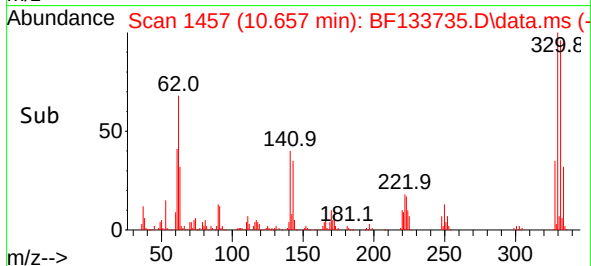
Instrument :  
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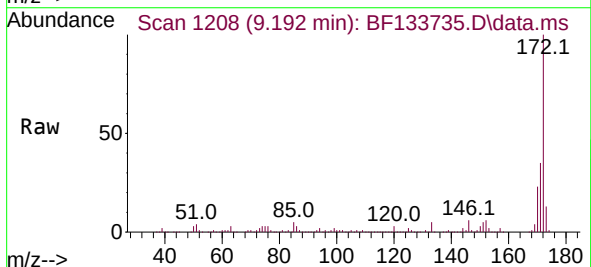
Tgt Ion: 330 Resp: 112177  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.2 115.8  
141 34.2 24.9 37.3

Manual Integrations  
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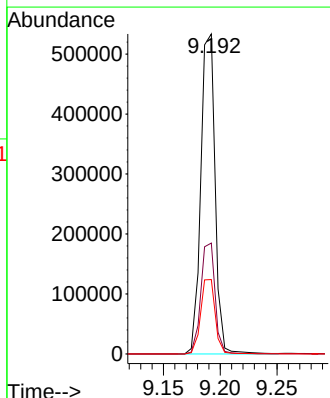
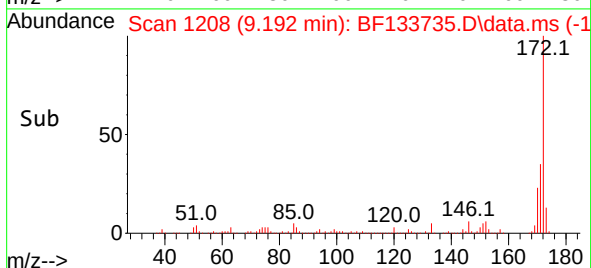
Reviewed By : Yogesh Patel 06/14/2023  
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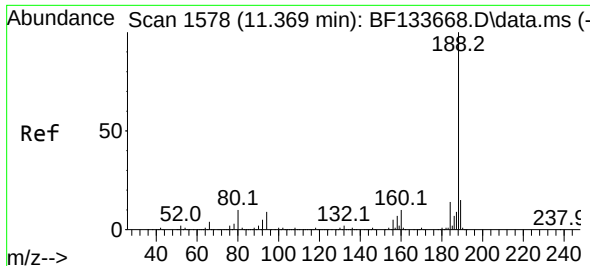


#45  
2-Fluorobiphenyl  
Concen: 59.714 ng  
RT: 9.192 min Scan# 1208  
Delta R.T. -0.006 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23



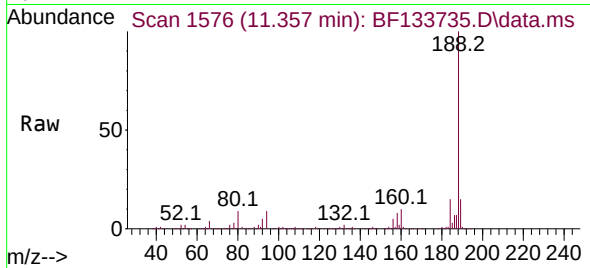
Tgt Ion: 172 Resp: 469177  
Ion Ratio Lower Upper  
172 100  
171 34.7 28.6 43.0  
170 23.3 19.1 28.7





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.357 min Scan# 1578  
Delta R.T. -0.012 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

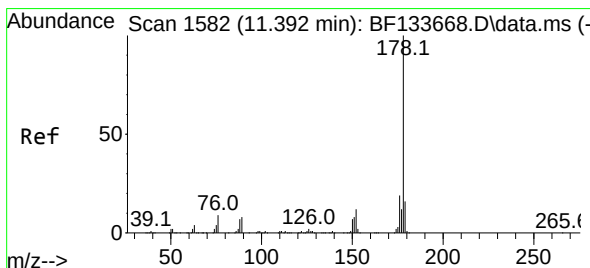
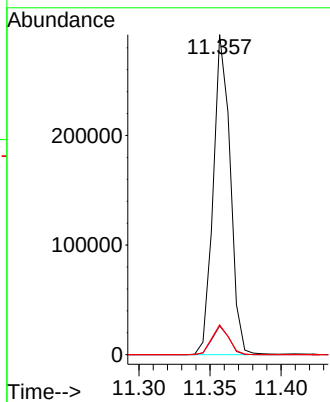
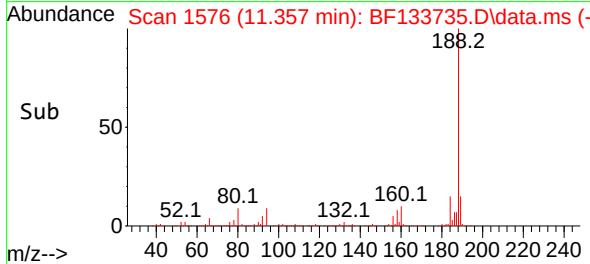
Instrument :  
BNA\_F  
ClientSampleId :  
SB34A



Tgt Ion:188 Resp: 243619  
Ion Ratio Lower Upper  
188 100  
94 8.9 6.8 10.2  
80 9.4 7.8 11.6

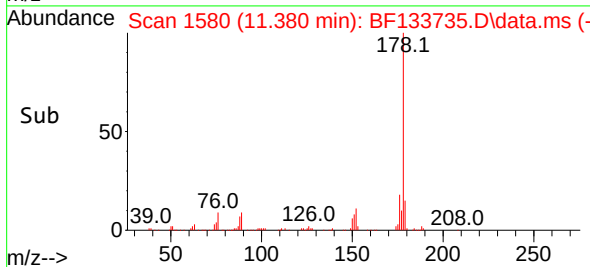
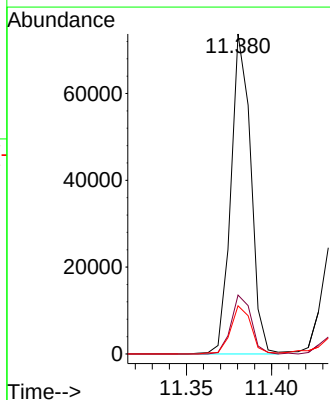
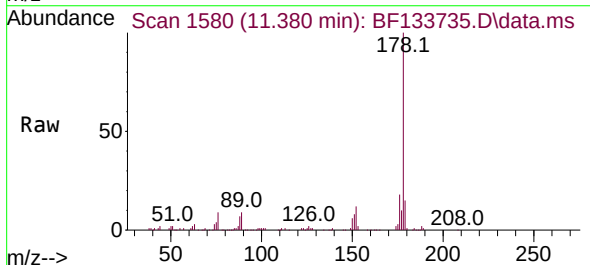
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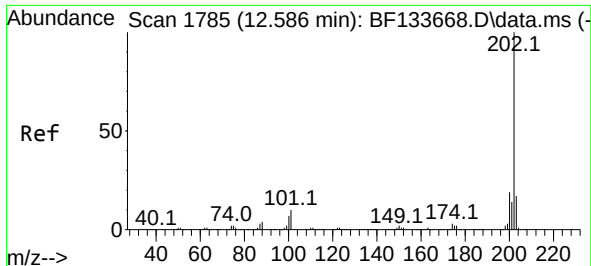
Reviewed By :Yogesh Patel 06/14/2023  
Supervised By :mohammad ahmed 06/16/2023



#71  
Phenanthrene  
Concen: 4.833 ng  
RT: 11.380 min Scan# 1580  
Delta R.T. -0.012 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

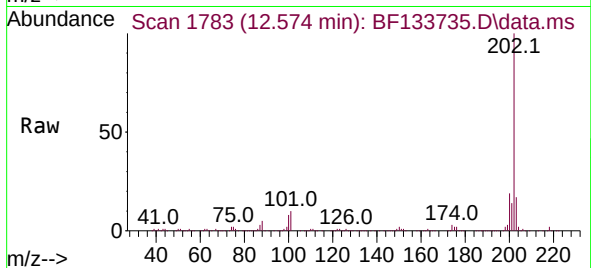
Tgt Ion:178 Resp: 59732  
Ion Ratio Lower Upper  
178 100  
176 18.4 15.6 23.4  
179 15.1 12.4 18.6





#75  
Fluoranthene  
Concen: 12.360 ng  
RT: 12.574 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

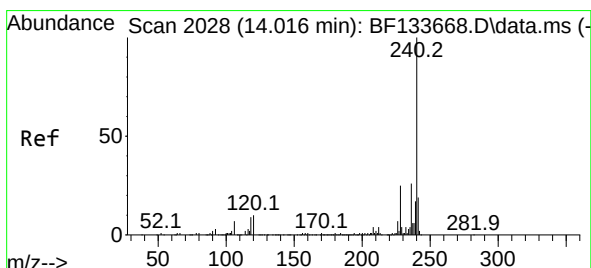
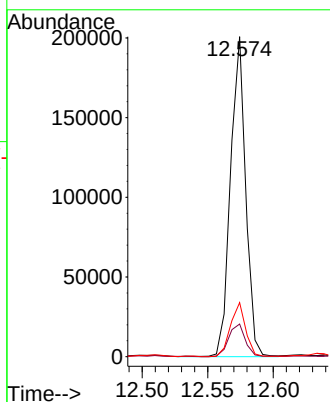
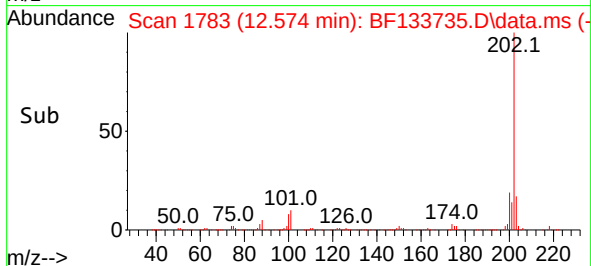
Instrument :  
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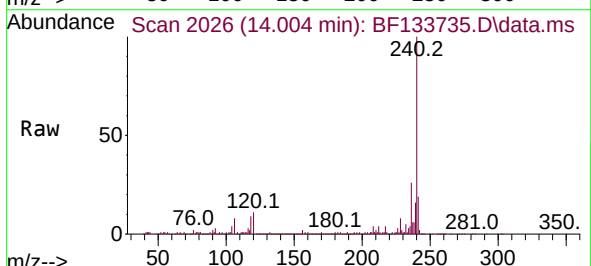
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Ion Ratio Lower Upper  
202 100  
101 10.2 0.0 29.6  
203 16.9 0.0 37.4

Manual Integrations  
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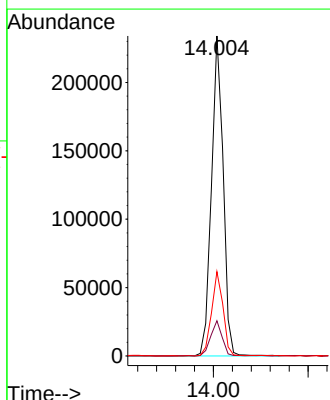
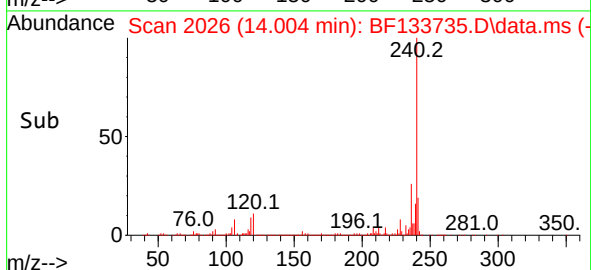
Reviewed By :Yogesh Patel 06/14/2023  
Supervised By :mohammad ahmed 06/16/2023



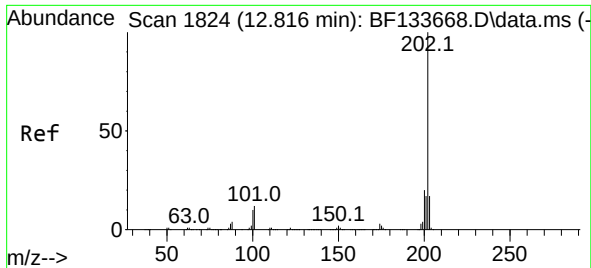
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.004 min Scan# 2026  
Delta R.T. -0.012 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23



Tgt Ion:240 Resp: 200191  
Ion Ratio Lower Upper  
240 100  
120 11.0 8.1 12.1  
236 26.4 20.5 30.7

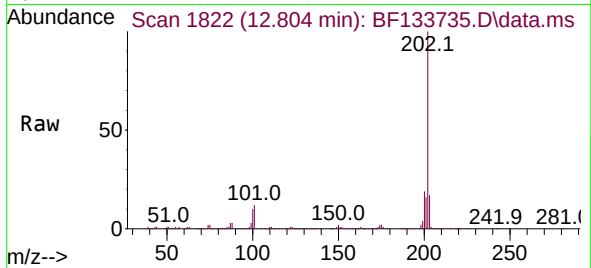






#78  
Pyrene  
Concen: 7.518 ng  
RT: 12.804 min Scan# 1822  
Delta R.T. -0.012 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

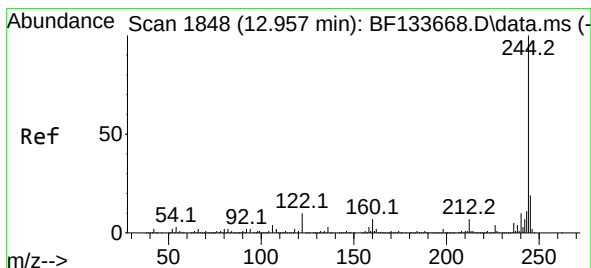
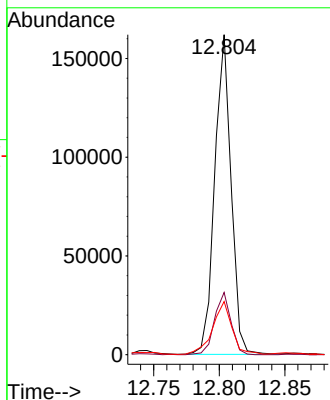
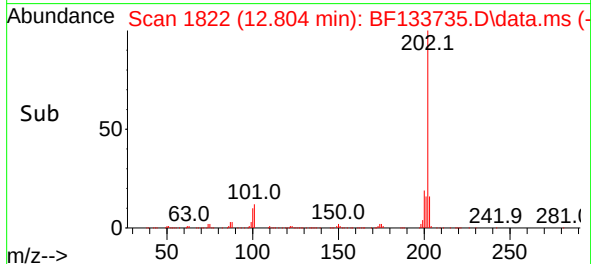
Instrument :  
BNA\_F  
ClientSampleId :  
SB34A



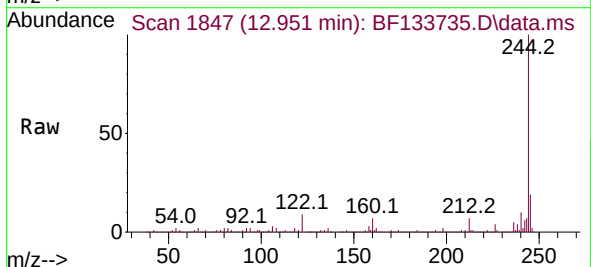
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Ion Ratio Lower Upper  
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200 19.4 16.2 24.2  
203 16.6 13.9 20.9

Manual Integrations  
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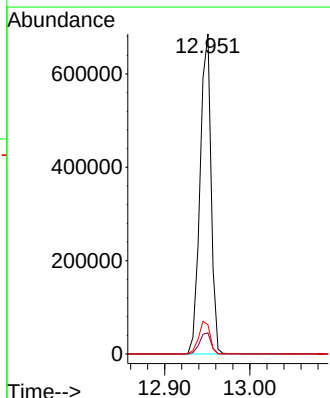
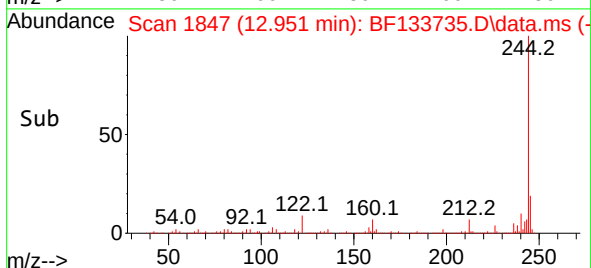
Reviewed By :Yogesh Patel 06/14/2023  
Supervised By :mohammad ahmed 06/16/2023

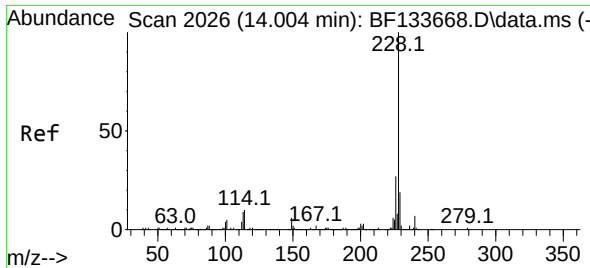


#79  
Terphenyl-d14  
Concen: 47.618 ng  
RT: 12.951 min Scan# 1847  
Delta R.T. -0.006 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23



Tgt Ion:244 Resp: 616065  
Ion Ratio Lower Upper  
244 100  
212 6.6 5.4 8.2  
122 9.2 8.1 12.1





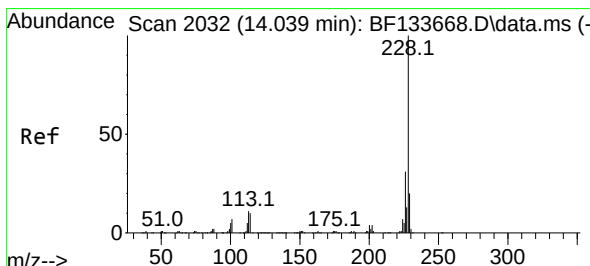
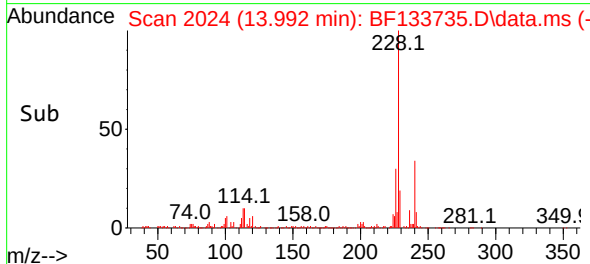
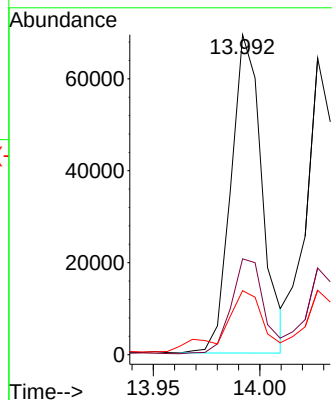
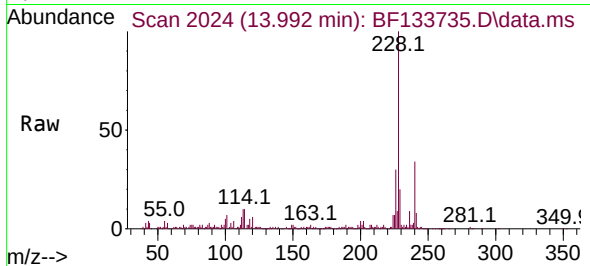
#81  
Benzo(a)anthracene  
Concen: 5.077 ng  
RT: 13.992 min Scan# 2030  
Delta R.T. -0.012 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

Instrument :  
BNA\_F  
ClientSampleId :  
SB34A

Tgt Ion:228 Resp: 70300  
Ion Ratio Lower Upper  
228 100  
226 30.0 21.7 32.5  
229 20.0 15.4 23.2

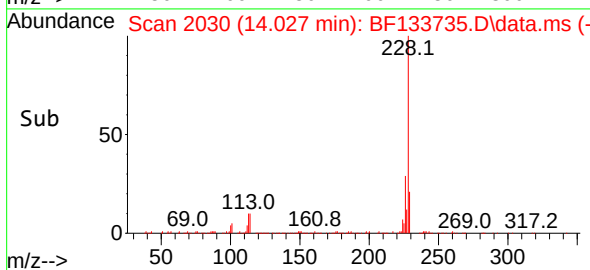
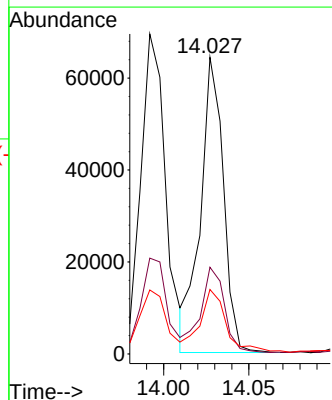
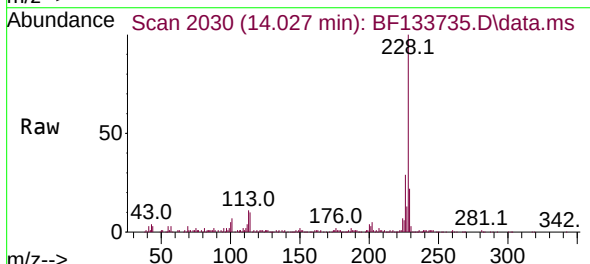
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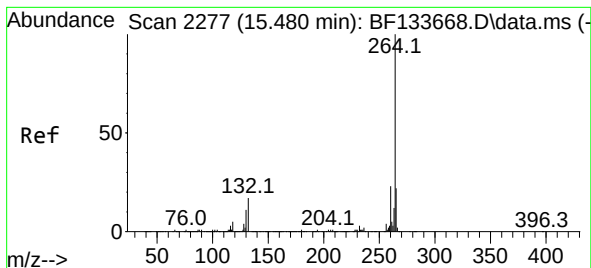
Reviewed By :Yogesh Patel 06/14/2023  
Supervised By :mohammad ahmed 06/16/2023



#83  
Chrysene  
Concen: 4.579 ng  
RT: 14.027 min Scan# 2030  
Delta R.T. -0.018 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

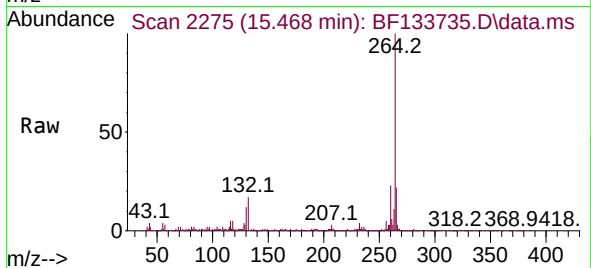
Tgt Ion:228 Resp: 59965  
Ion Ratio Lower Upper  
228 100  
226 29.3 25.0 37.6  
229 21.8 15.8 23.8





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.468 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

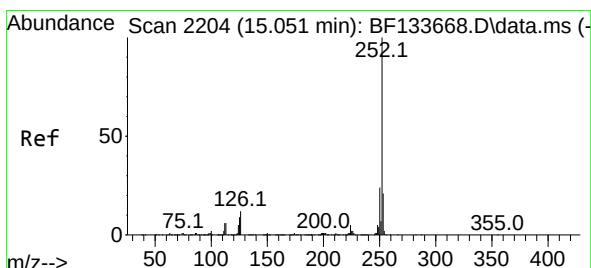
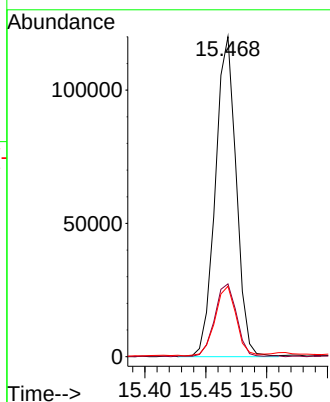
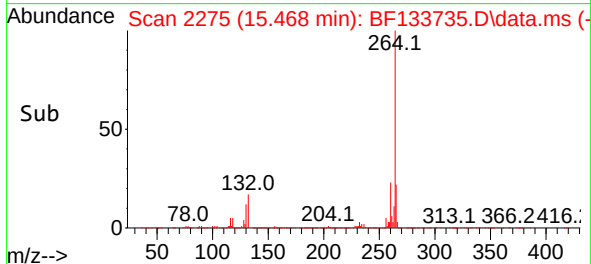
Instrument :  
BNA\_F  
ClientSampleId :  
SB34A



Tgt Ion:264 Resp: 14349  
Ion Ratio Lower Upper  
264 100  
260 22.7 18.2 27.2  
265 22.0 17.8 26.6

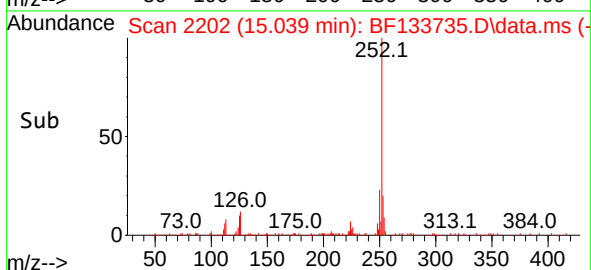
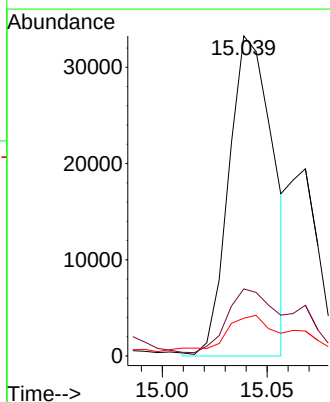
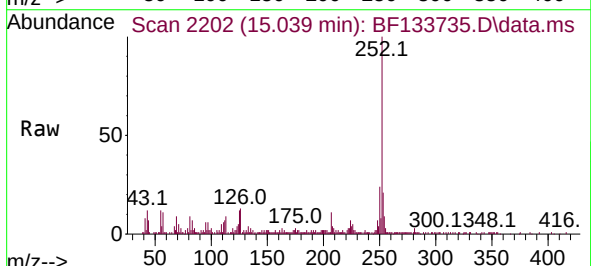
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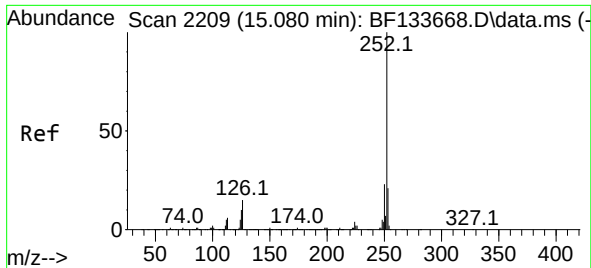
Reviewed By :Yogesh Patel 06/14/2023  
Supervised By :mohammad ahmed 06/16/2023



#88  
Benzo(b)fluoranthene  
Concen: 5.578 ng m  
RT: 15.039 min Scan# 2202  
Delta R.T. -0.018 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

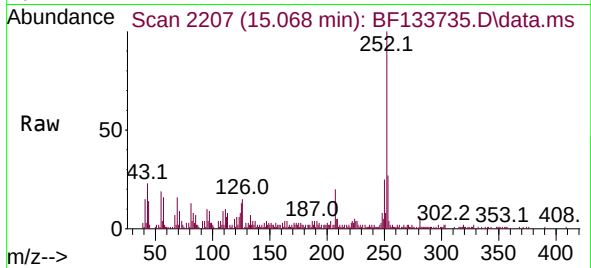
Tgt Ion:252 Resp: 48624  
Ion Ratio Lower Upper  
252 100  
253 21.0 17.0 25.6  
125 11.8 7.3 10.9#





#89  
Benzo(k)fluoranthene  
Concen: 2.248 ng m  
RT: 15.068 min Scan# 2209  
Delta R.T. -0.018 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

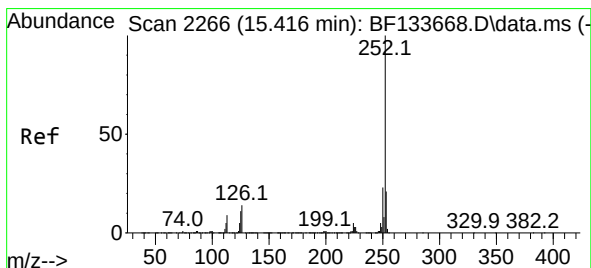
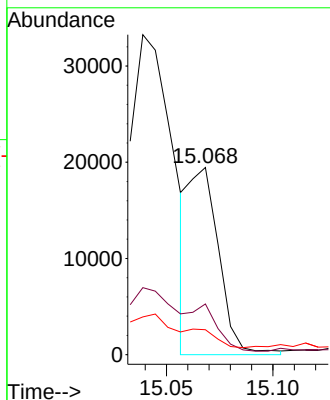
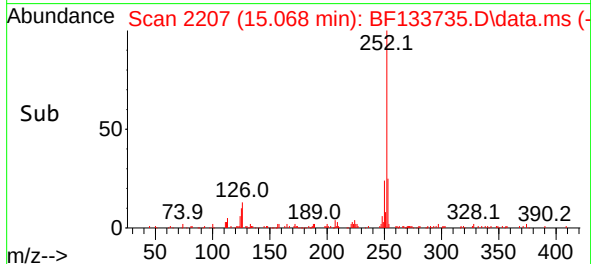
Instrument :  
BNA\_F  
ClientSampleId :  
SB34A



Tgt Ion:252 Resp: 19090  
Ion Ratio Lower Upper  
252 100  
253 27.1 17.0 25.4  
125 13.3 7.8 11.6

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Reviewed By :Yogesh Patel 06/14/2023  
Supervised By :mohammad ahmed 06/16/2023



#90  
Benzo(a)pyrene  
Concen: 3.703 ng  
RT: 15.404 min Scan# 2264  
Delta R.T. -0.018 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

Tgt Ion:252 Resp: 29953  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.1 25.7  
125 13.7 8.6 13.0

