

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061623\  
 Data File : BF133820.D  
 Acq On : 16 Jun 2023 22:28  
 Operator : CG\JU  
 Sample : 03224-07 2X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMPOSIT-SB-10

Quant Time: Jun 17 00:13:20 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 16 14:54:03 2023  
 Response via : Initial Calibration

Manual Integrations  
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Reviewed By :Yogesh Patel 06/19/2023  
 Supervised By :mohammad ahmed 06/20/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.863  | 152  | 86914    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.145  | 136  | 269779   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.898  | 164  | 119769   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.392 | 188  | 216734   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 134812   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.562 | 264  | 102309   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 186752   | 37.407 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.492  | 99   | 251316   | 38.673 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.422  | 82   | 151093   | 30.505 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.692 | 330  | 52060    | 34.339 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.216  | 172  | 267067   | 31.698 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 258690   | 29.692 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene              | 11.416 | 178  | 98962    | 9.000  | ng    | 99       |
| 75) Fluoranthene              | 12.616 | 202  | 200236   | 17.148 | ng    | 99       |
| 78) Pyrene                    | 12.845 | 202  | 194822   | 15.513 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 85879    | 9.210  | ng    | 94       |
| 83) Chrysene                  | 14.074 | 228  | 72713    | 8.244  | ng    | 96       |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149  | 24339    | 3.728  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.104 | 276  | 31057    | 4.412  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.110 | 252  | 80897m   | 13.017 | ng    |          |
| 89) Benzo(k)fluoranthene      | 15.139 | 252  | 21301m   | 3.519  | ng    |          |
| 90) Benzo(a)pyrene            | 15.492 | 252  | 51073    | 8.855  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.574 | 276  | 29751    | 5.149  | ng    | # 88     |
| -----                         |        |      |          |        |       |          |

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

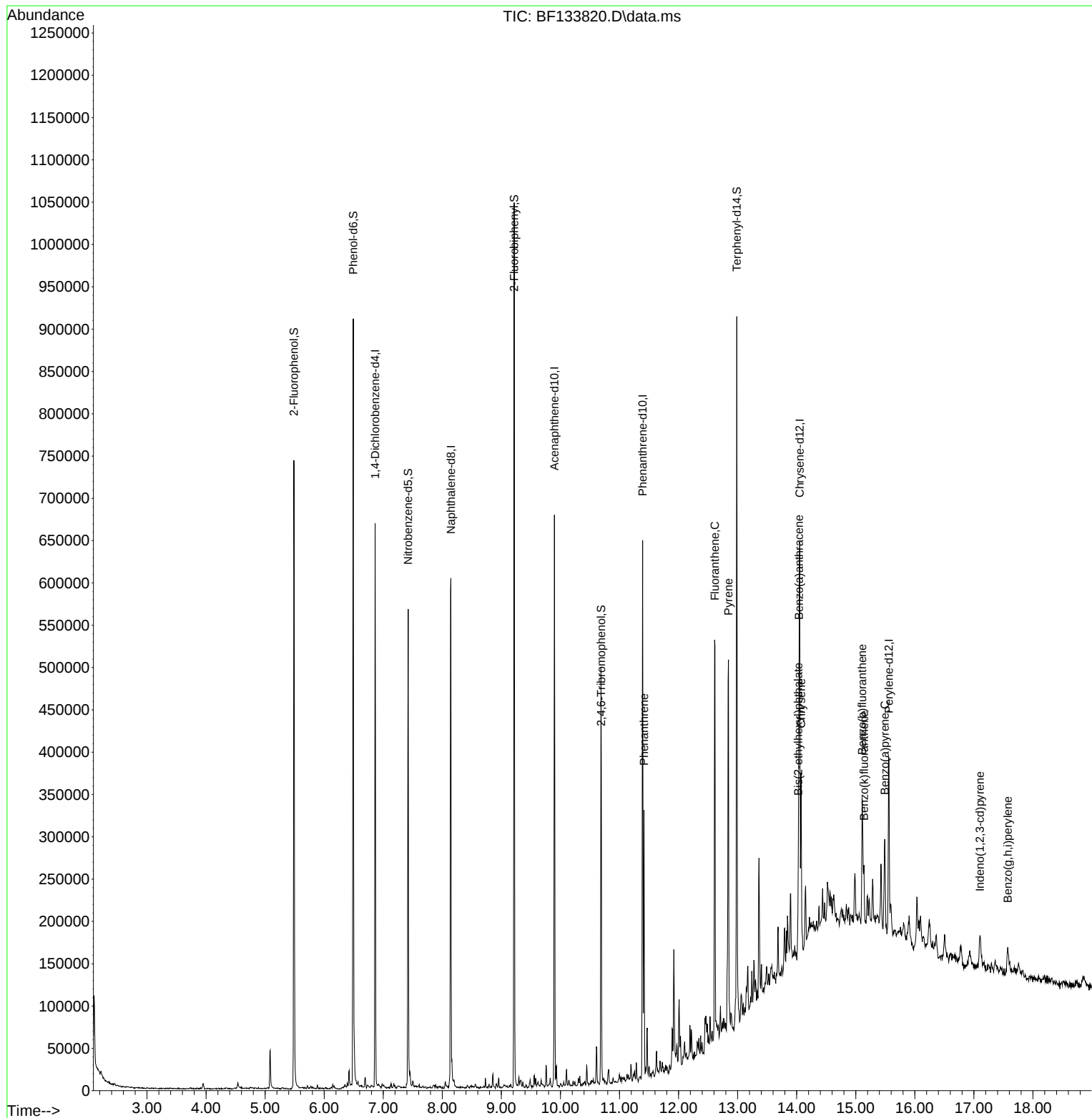
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061623\  
Data File : BF133820.D  
Acq On : 16 Jun 2023 22:28  
Operator : CG\JU  
Sample : 03224-07 2X  
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ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-10

Quant Time: Jun 17 00:13:20 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 16 14:54:03 2023  
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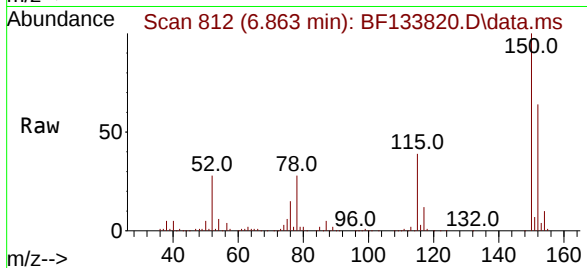
Reviewed By :Yogesh Patel 06/19/2023  
Supervised By :mohammad ahmed 06/20/2023





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.863 min Scan# 812  
Delta R.T. 0.000 min  
Lab File: BF133820.D  
Acq: 16 Jun 2023 22:28

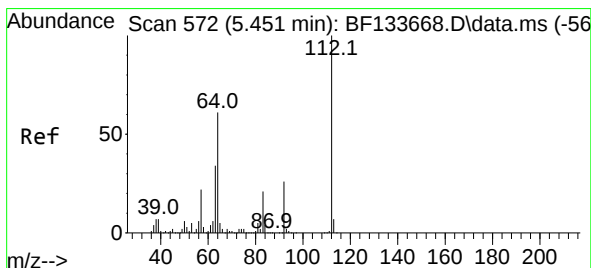
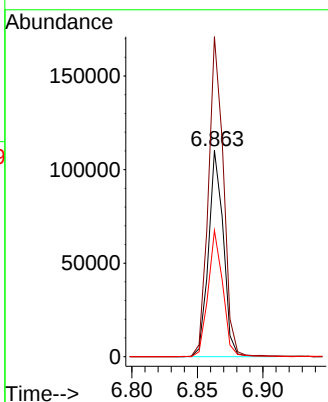
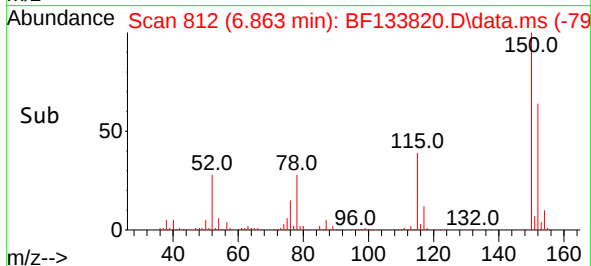
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-10



Tgt Ion:152 Resp: 86914  
Ion Ratio Lower Upper  
152 100  
150 155.2 124.3 186.5  
115 61.2 48.5 72.7

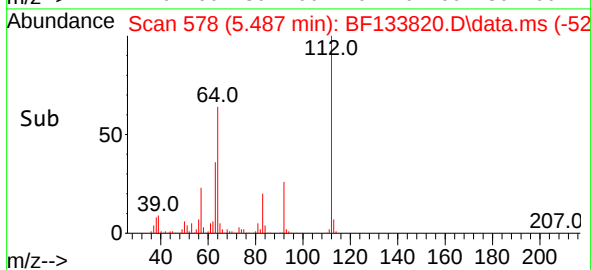
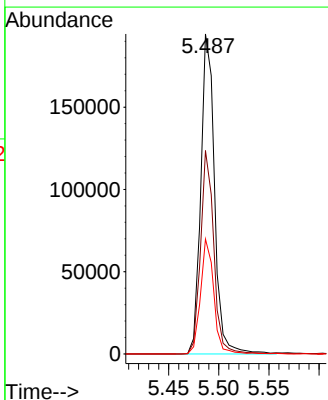
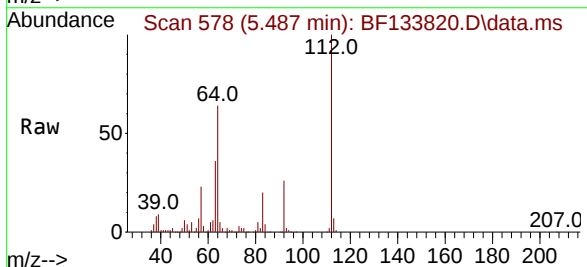
Manual Integrations  
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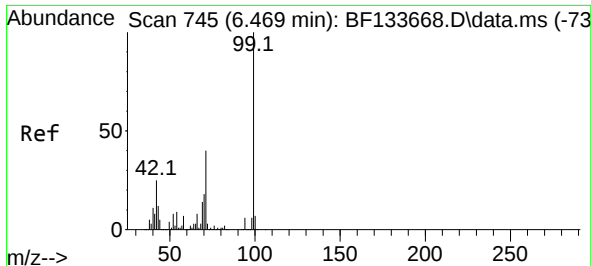
Reviewed By :Yogesh Patel 06/19/2023  
Supervised By :mohammad ahmed 06/20/2023



#5  
2-Fluorophenol  
Concen: 37.407 ng  
RT: 5.487 min Scan# 578  
Delta R.T. -0.006 min  
Lab File: BF133820.D  
Acq: 16 Jun 2023 22:28

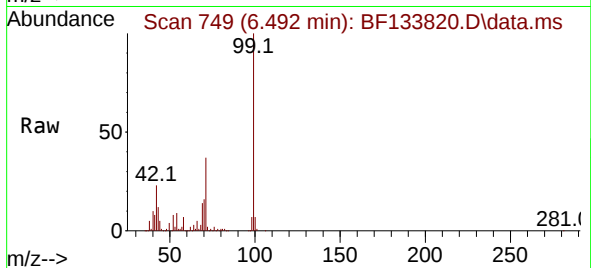
Tgt Ion:112 Resp: 186752  
Ion Ratio Lower Upper  
112 100  
64 63.5 49.0 73.4  
63 35.9 26.8 40.2





#7  
Phenol-d6  
Concen: 38.673 ng  
RT: 6.492 min Scan# 745  
Delta R.T. -0.006 min  
Lab File: BF133820.D  
Acq: 16 Jun 2023 22:28

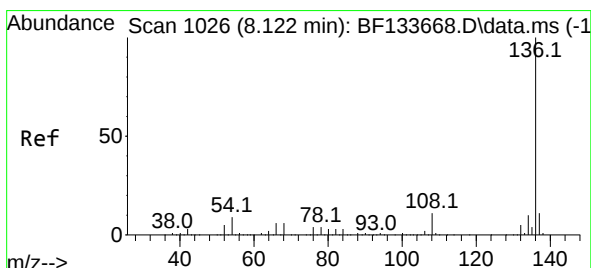
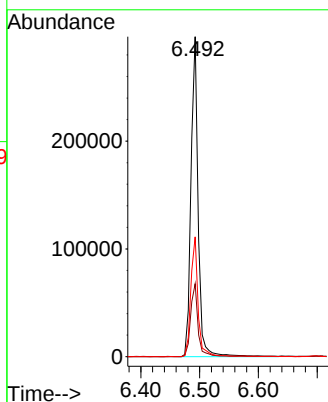
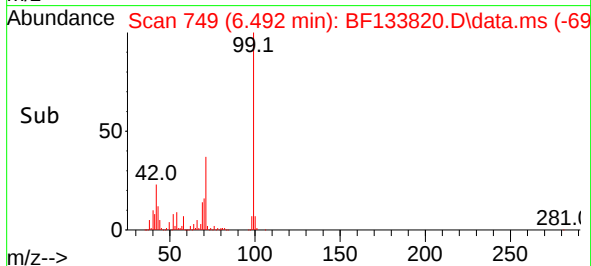
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-10



Tgt Ion: 99 Resp: 251310  
Ion Ratio Lower Upper  
99 100  
42 22.8 19.9 29.9  
71 37.5 32.2 48.4

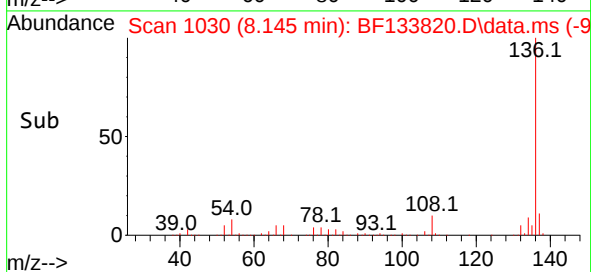
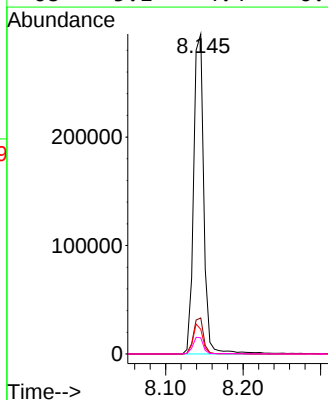
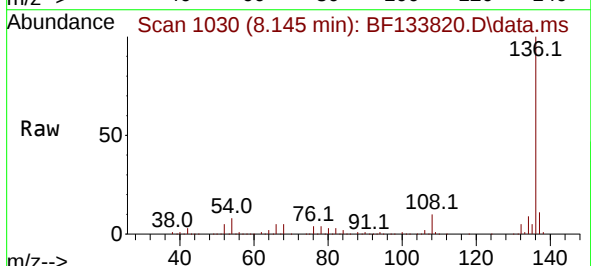
Manual Integrations  
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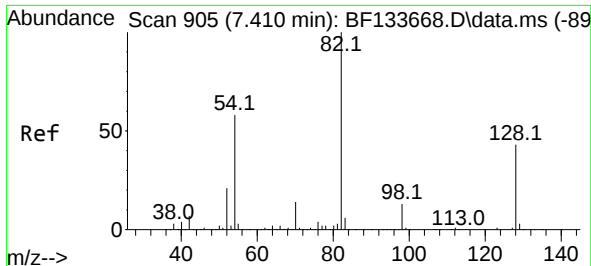
Reviewed By :Yogesh Patel 06/19/2023  
Supervised By :mohammad ahmed 06/20/2023



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.145 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: BF133820.D  
Acq: 16 Jun 2023 22:28

Tgt Ion:136 Resp: 269779  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.8 13.2  
54 7.7 7.4 11.0  
68 5.1 4.4 6.6





#23

Nitrobenzene-d5

Concen: 30.505 ng

RT: 7.422 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133820.D

Acq: 16 Jun 2023 22:28

Instrument :

BNA\_F

ClientSampleId :

COMPOSIT-SB-10

Tgt Ion: 82 Resp: 15109

Ion Ratio Lower Upper

82 100

128 43.6 34.2 51.2

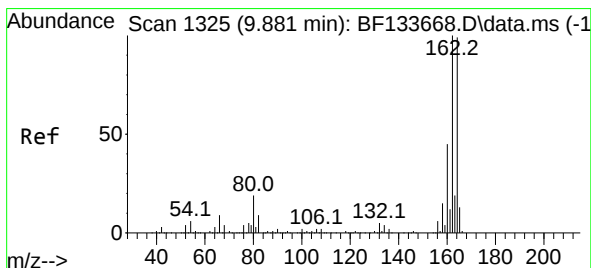
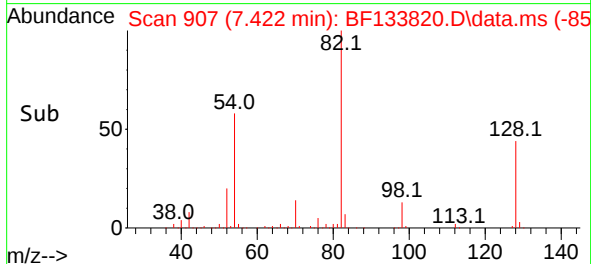
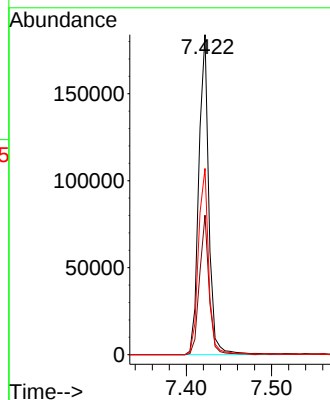
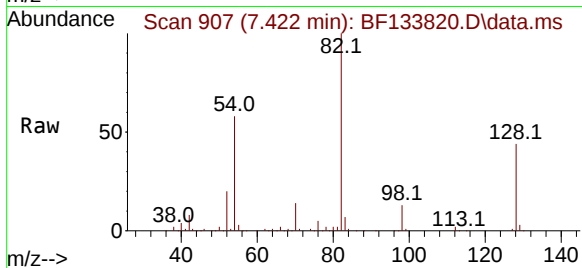
54 58.2 46.5 69.7

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Reviewed By :Yogesh Patel 06/19/2023

Supervised By :mohammad ahmed 06/20/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

Delta R.T. -0.006 min

Lab File: BF133820.D

Acq: 16 Jun 2023 22:28

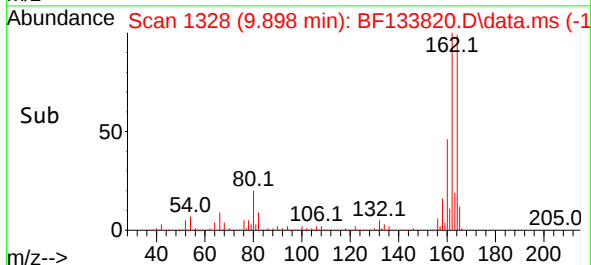
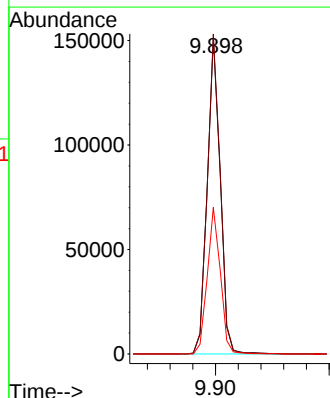
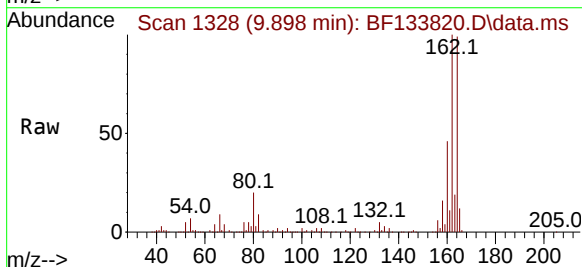
Tgt Ion:164 Resp: 119769

Ion Ratio Lower Upper

164 100

162 101.1 80.8 121.2

160 46.3 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 34.339 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.000 min

Lab File: BF133820.D

Acq: 16 Jun 2023 22:28

Instrument :

BNA\_F

ClientSampleId :

COMPOSIT-SB-10

Tgt Ion:330 Resp: 52060

Ion Ratio Lower Upper

330 100

332 97.8 77.2 115.8

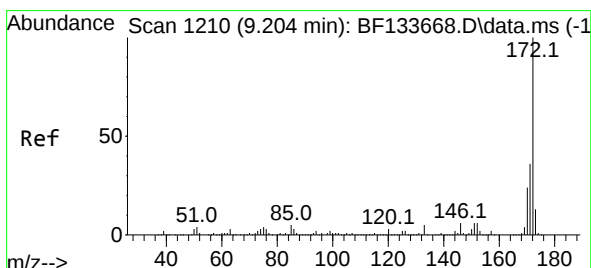
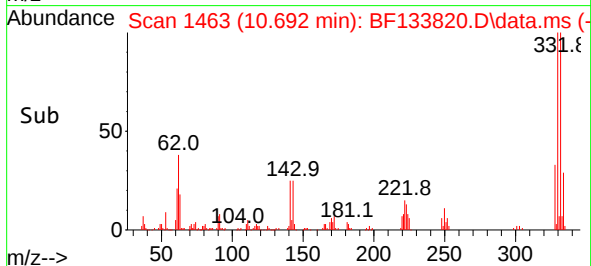
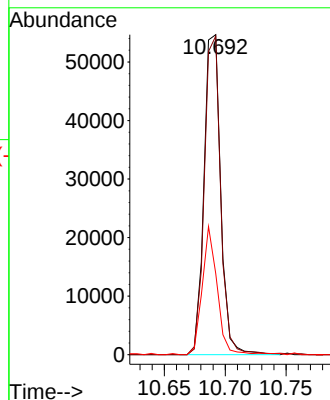
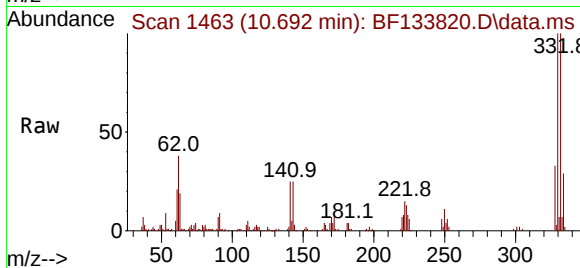
141 36.1 24.9 37.3

Manual Integrations

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Reviewed By :Yogesh Patel 06/19/2023

Supervised By :mohammad ahmed 06/20/2023



#45

2-Fluorobiphenyl

Concen: 31.698 ng

RT: 9.216 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF133820.D

Acq: 16 Jun 2023 22:28

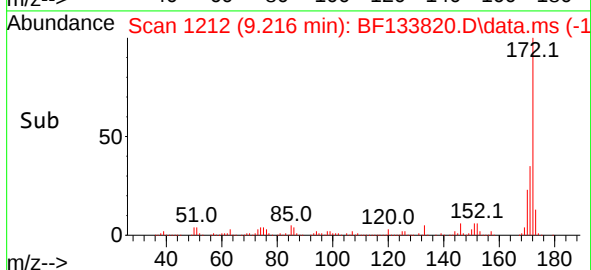
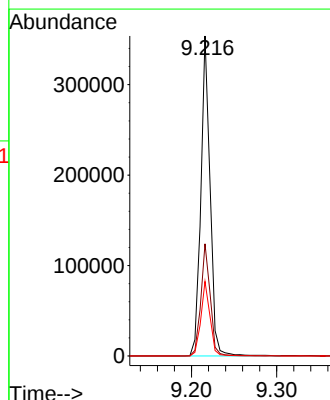
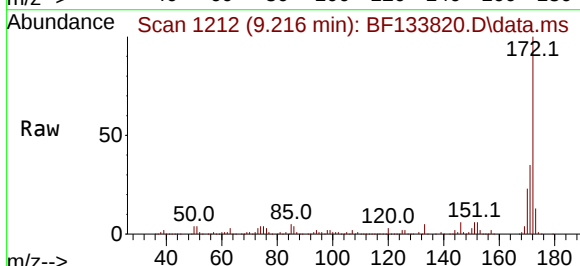
Tgt Ion:172 Resp: 267067

Ion Ratio Lower Upper

172 100

171 35.0 28.6 43.0

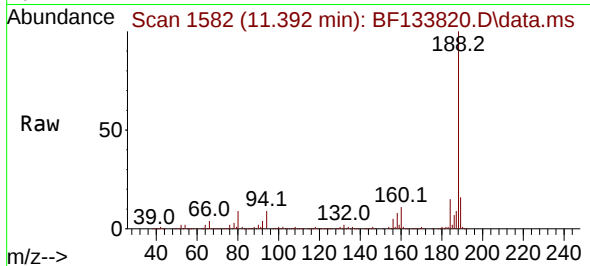
170 23.3 19.1 28.7





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.392 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF133820.D  
Acq: 16 Jun 2023 22:28

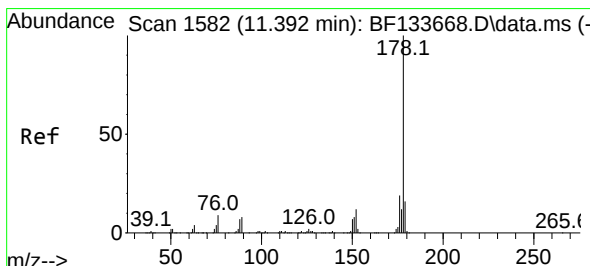
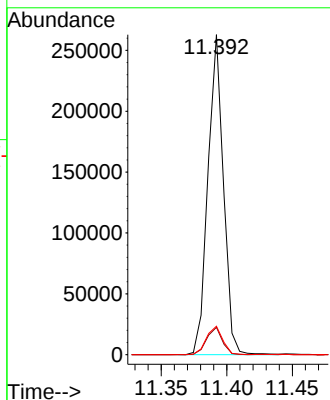
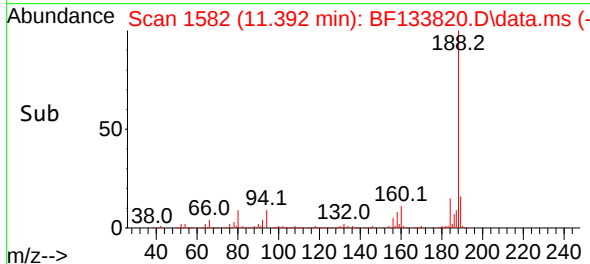
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-10



Tgt Ion:188 Resp: 216734  
Ion Ratio Lower Upper  
188 100  
94 8.5 6.8 10.2  
80 8.9 7.8 11.6

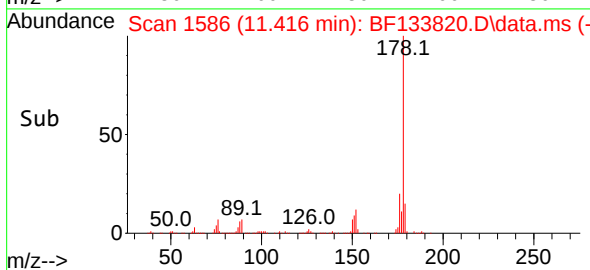
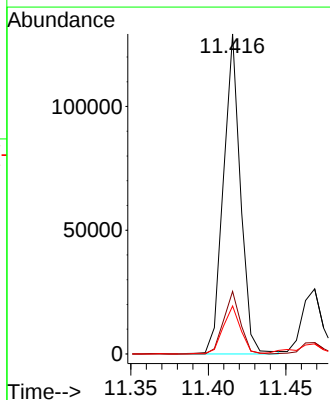
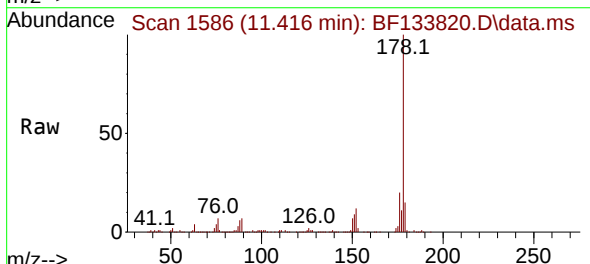
Manual Integrations  
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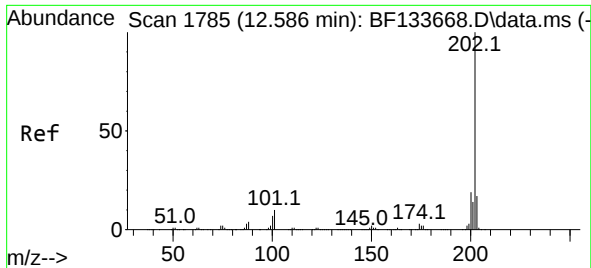
Reviewed By :Yogesh Patel 06/19/2023  
Supervised By :mohammad ahmed 06/20/2023



#71  
Phenanthrene  
Concen: 9.000 ng  
RT: 11.416 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: BF133820.D  
Acq: 16 Jun 2023 22:28

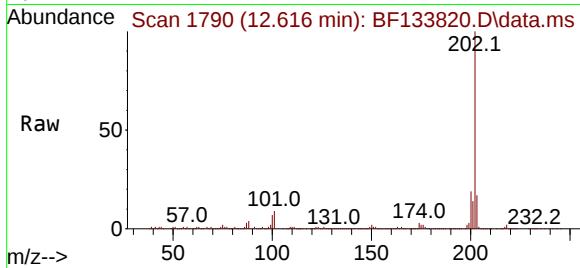
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Ion Ratio Lower Upper  
178 100  
176 19.6 15.6 23.4  
179 15.0 12.4 18.6





#75  
Fluoranthene  
Concen: 17.148 ng  
RT: 12.616 min Scan# 1790  
Delta R.T. -0.000 min  
Lab File: BF133820.D  
Acq: 16 Jun 2023 22:28

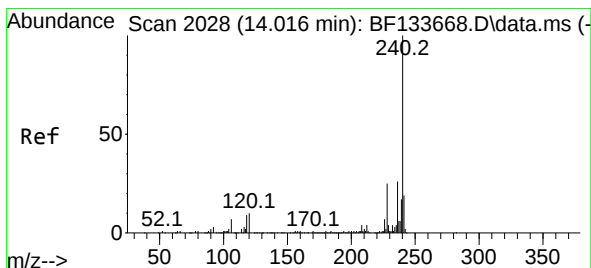
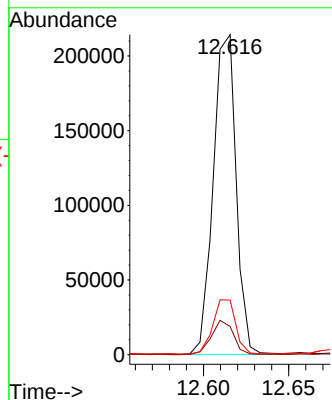
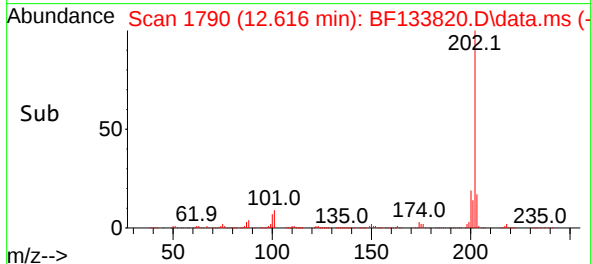
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-10



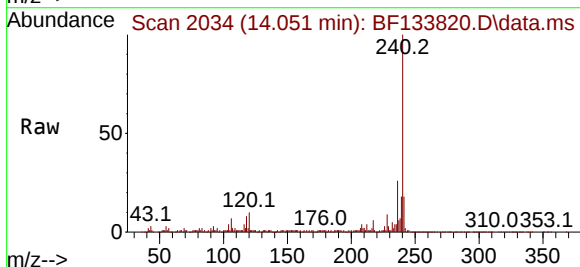
Tgt Ion:202 Resp: 200230  
Ion Ratio Lower Upper  
202 100  
101 8.8 0.0 29.6  
203 17.1 0.0 37.4

Manual Integrations  
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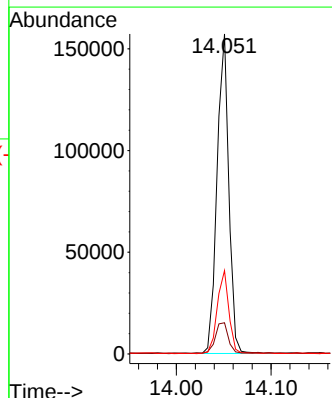
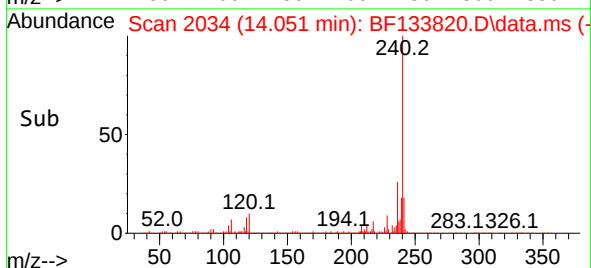
Reviewed By :Yogesh Patel 06/19/2023  
Supervised By :mohammad ahmed 06/20/2023

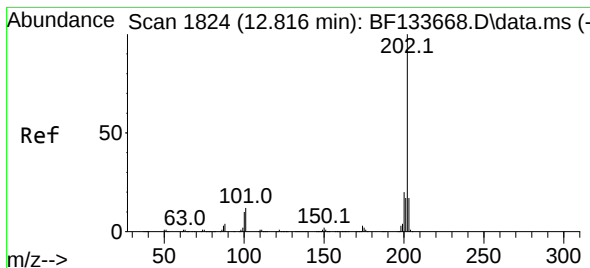


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2034  
Delta R.T. -0.000 min  
Lab File: BF133820.D  
Acq: 16 Jun 2023 22:28



Tgt Ion:240 Resp: 134812  
Ion Ratio Lower Upper  
240 100  
120 9.7 8.1 12.1  
236 26.0 20.5 30.7





#78

Pyrene

Concen: 15.513 ng

RT: 12.845 min Scan# 1824

Delta R.T. -0.000 min

Lab File: BF133820.D

Acq: 16 Jun 2023 22:28

Instrument :

BNA\_F

ClientSampleId :

COMPOSIT-SB-10

Tgt Ion:202 Resp: 19482

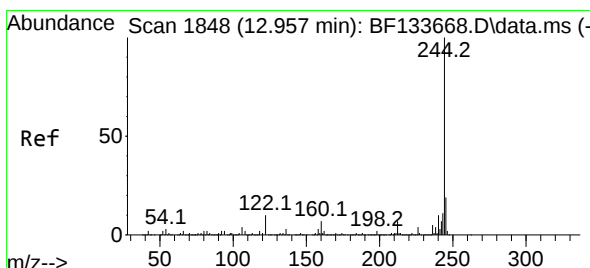
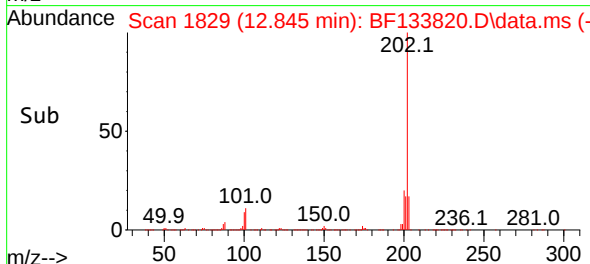
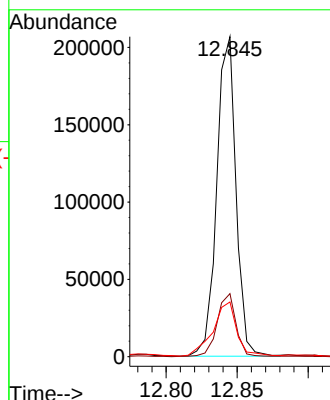
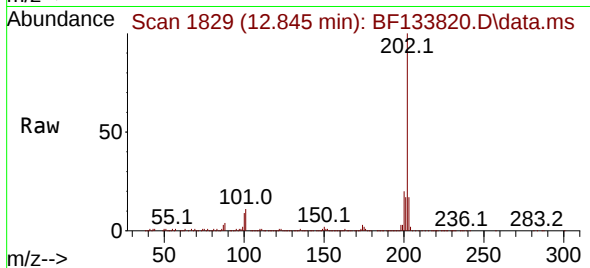
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 19.7  | 16.2  | 24.2  |
| 203 | 17.1  | 13.9  | 20.9  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/19/2023

Supervised By :mohammad ahmed 06/20/2023



#79

Terphenyl-d14

Concen: 29.692 ng

RT: 12.986 min Scan# 1853

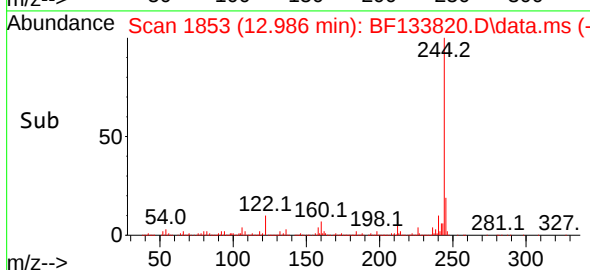
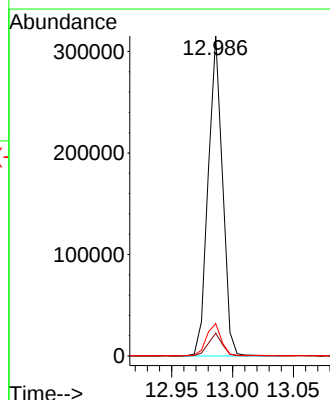
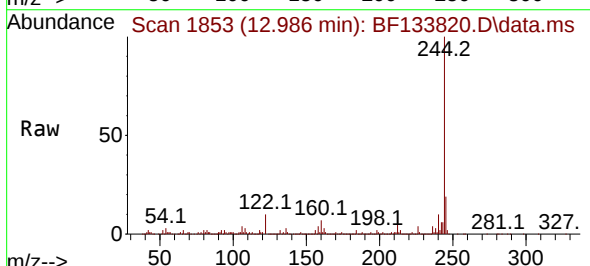
Delta R.T. -0.006 min

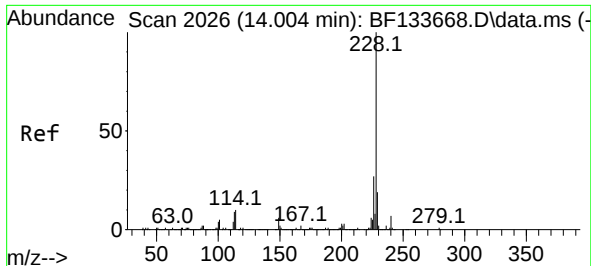
Lab File: BF133820.D

Acq: 16 Jun 2023 22:28

Tgt Ion:244 Resp: 258690

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.1   | 5.4   | 8.2   |
| 122 | 10.1  | 8.1   | 12.1  |





#81  
Benzo(a)anthracene  
Concen: 9.210 ng  
RT: 14.039 min Scan# 2032  
Delta R.T. -0.006 min  
Lab File: BF133820.D  
Acq: 16 Jun 2023 22:28

Instrument :

BNA\_F

ClientSampleId :

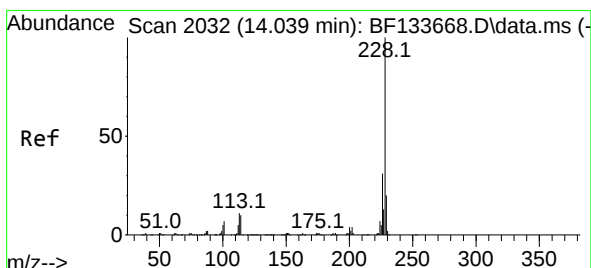
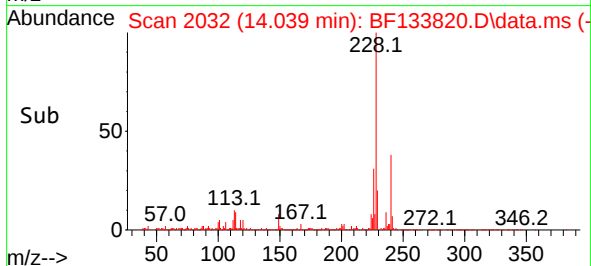
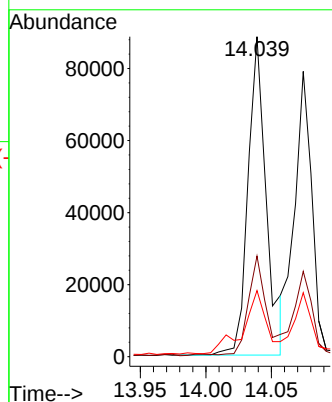
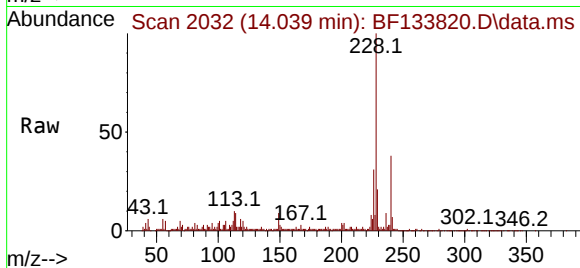
COMPOSIT-SB-10

Tgt Ion:228 Resp: 85879  
Ion Ratio Lower Upper  
228 100  
226 31.4 21.7 32.5  
229 20.7 15.4 23.2

Manual Integrations

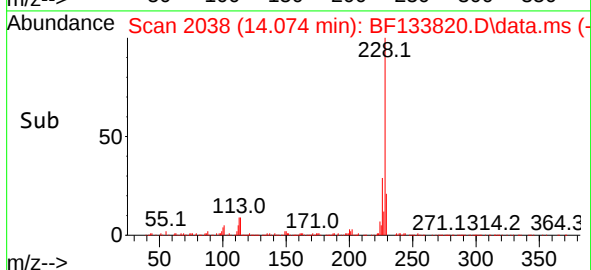
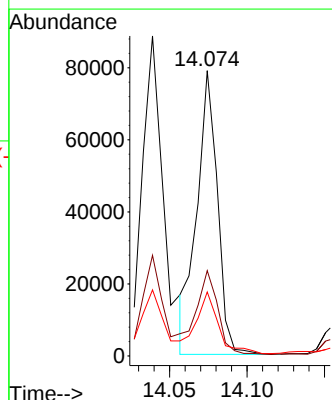
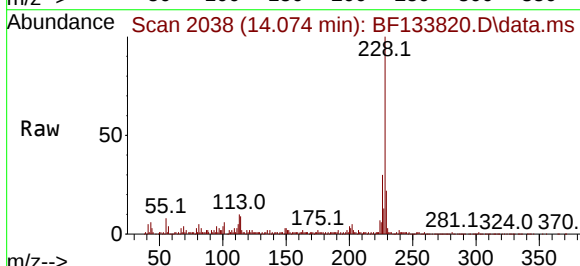
APPROVED

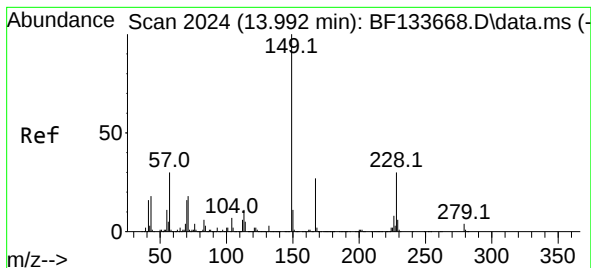
Reviewed By :Yogesh Patel 06/19/2023  
Supervised By :mohammad ahmed 06/20/2023



#83  
Chrysene  
Concen: 8.244 ng  
RT: 14.074 min Scan# 2038  
Delta R.T. -0.006 min  
Lab File: BF133820.D  
Acq: 16 Jun 2023 22:28

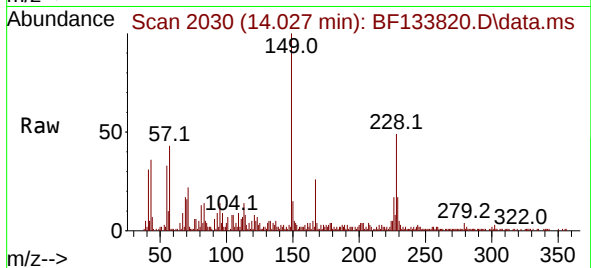
Tgt Ion:228 Resp: 72713  
Ion Ratio Lower Upper  
228 100  
226 29.9 25.0 37.6  
229 22.4 15.8 23.8





#84  
Bis(2-ethylhexyl)phthalate  
Concen: 3.728 ng  
RT: 14.027 min Scan# 2024  
Delta R.T. -0.006 min  
Lab File: BF133820.D  
Acq: 16 Jun 2023 22:28

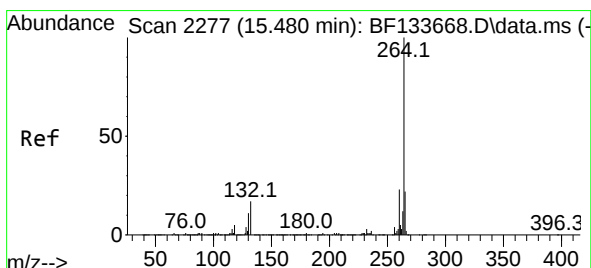
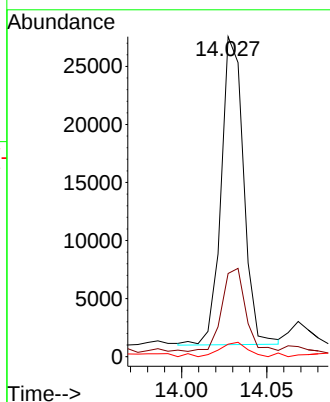
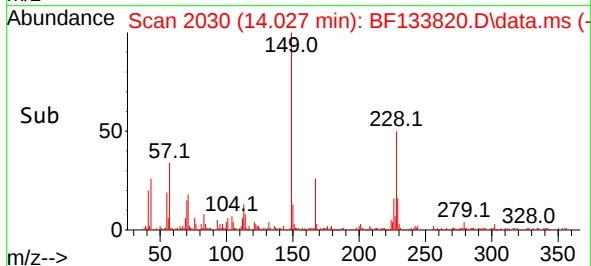
Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-10



Tgt Ion:149 Resp: 24339  
Ion Ratio Lower Upper  
149 100  
167 26.0 21.8 32.8  
279 3.9 3.3 4.9

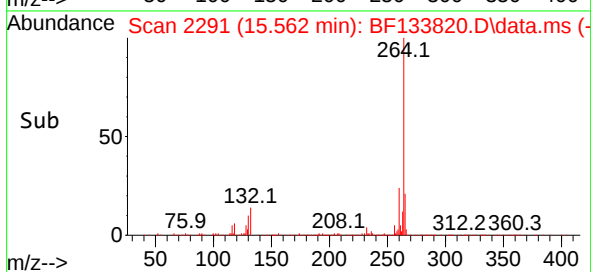
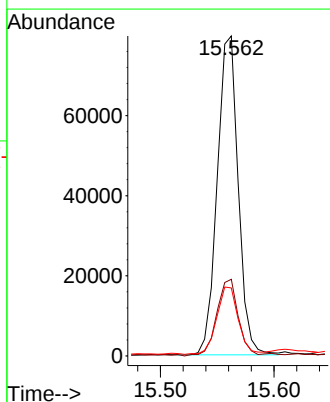
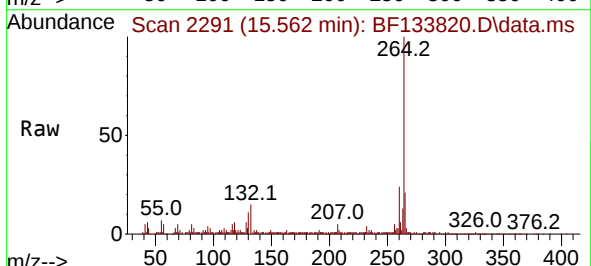
Manual Integrations  
APPROVED

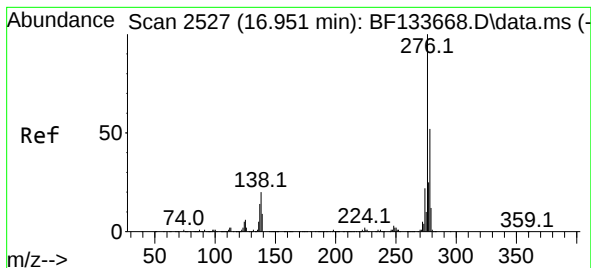
Reviewed By :Yogesh Patel 06/19/2023  
Supervised By :mohammad ahmed 06/20/2023



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.562 min Scan# 2291  
Delta R.T. -0.000 min  
Lab File: BF133820.D  
Acq: 16 Jun 2023 22:28

Tgt Ion:264 Resp: 102309  
Ion Ratio Lower Upper  
264 100  
260 24.0 18.2 27.2  
265 21.2 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.412 ng

RT: 17.104 min Scan# 2114

Delta R.T. -0.012 min

Lab File: BF133820.D

Acq: 16 Jun 2023 22:28

Instrument :

BNA\_F

ClientSampleId :

COMPOSIT-SB-10

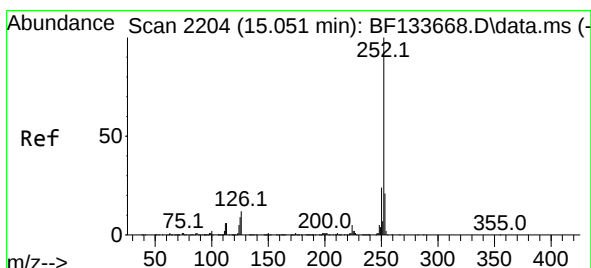
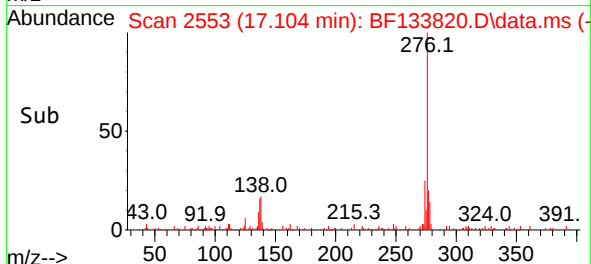
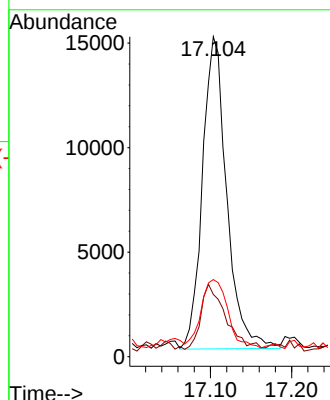
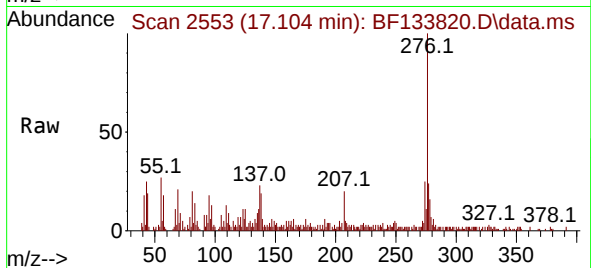
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 276   | Resp: | 3105 |
| Ion Ratio | Lower | Upper |      |
| 276       | 100   |       |      |
| 138       | 21.5  | 17.9  | 26.9 |
| 277       | 23.9  | 20.3  | 30.5 |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/19/2023

Supervised By :mohammad ahmed 06/20/2023



#88

Benzo(b)fluoranthene

Concen: 13.017 ng m

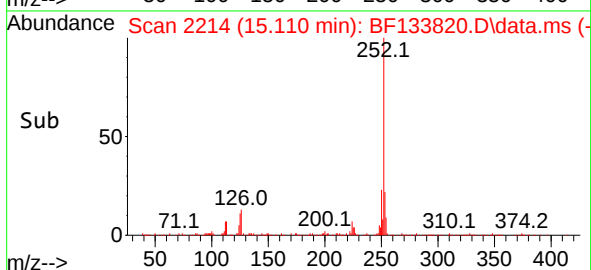
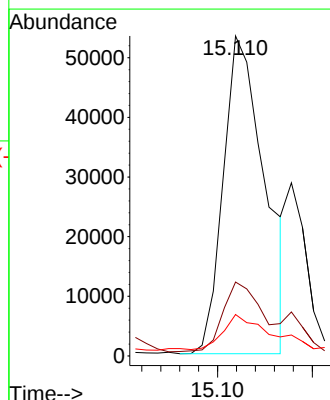
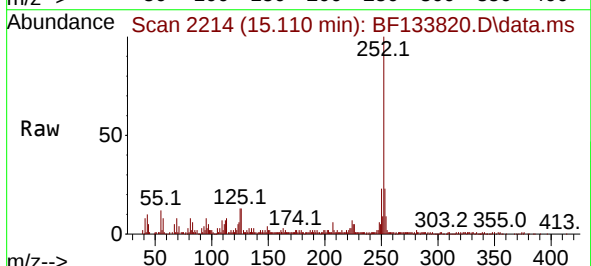
RT: 15.110 min Scan# 2214

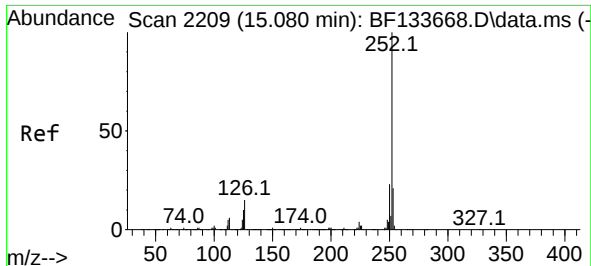
Delta R.T. -0.006 min

Lab File: BF133820.D

Acq: 16 Jun 2023 22:28

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 80897 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 23.1  | 17.0  | 25.6  |
| 125       | 13.0  | 7.3   | 10.9# |





#89

Benzo(k)fluoranthene

Concen: 3.519 ng m

RT: 15.139 min Scan# 2130

Delta R.T. -0.006 min

Lab File: BF133820.D

Acq: 16 Jun 2023 22:28

Instrument :

BNA\_F

ClientSampleId :

COMPOSIT-SB-10

Tgt Ion:252 Resp: 2130

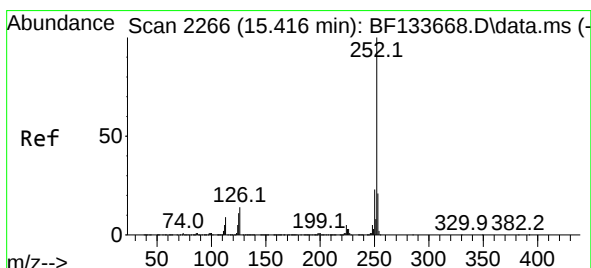
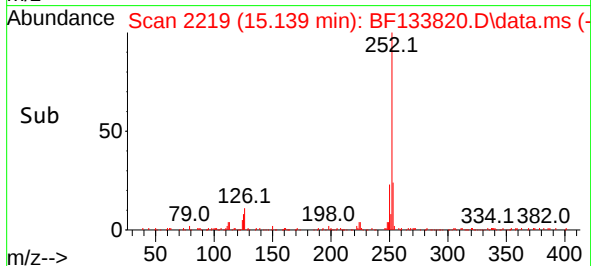
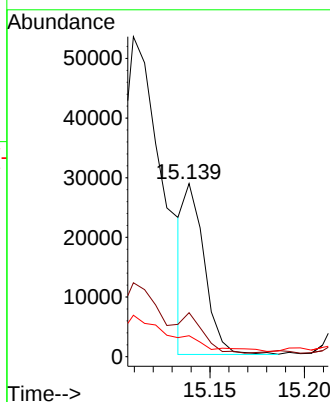
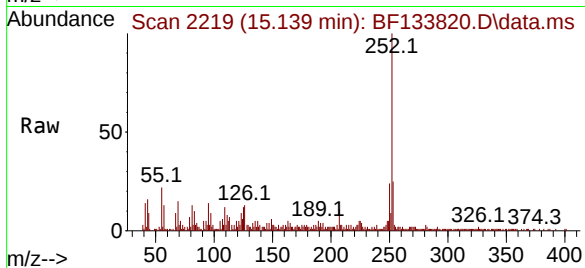
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 25.4  | 17.0  | 25.4  |
| 125 | 12.1  | 7.8   | 11.6  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/19/2023

Supervised By :mohammad ahmed 06/20/2023



#90

Benzo(a)pyrene

Concen: 8.855 ng

RT: 15.492 min Scan# 2279

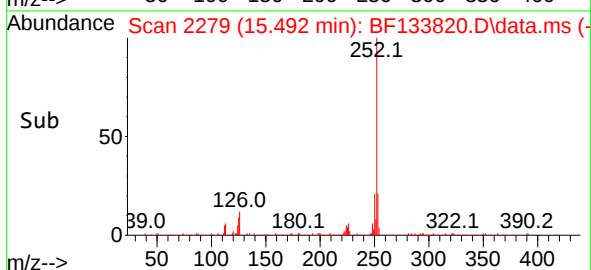
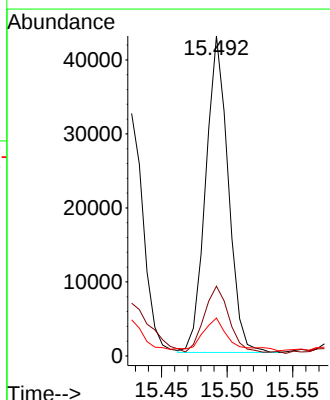
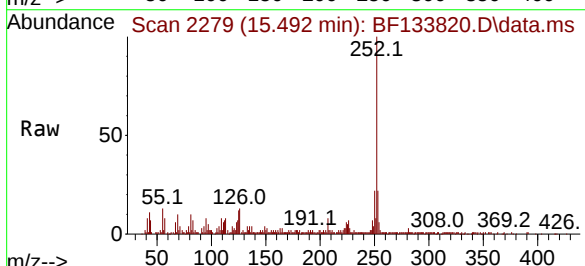
Delta R.T. -0.006 min

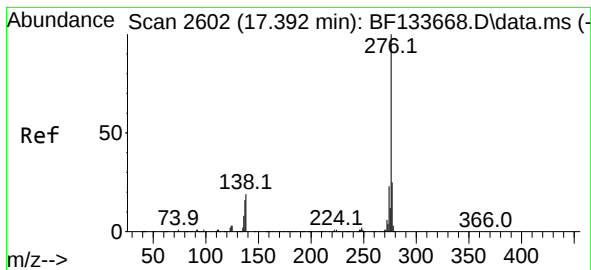
Lab File: BF133820.D

Acq: 16 Jun 2023 22:28

Tgt Ion:252 Resp: 51073

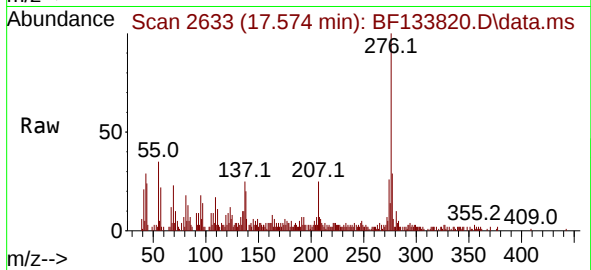
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.8  | 17.1  | 25.7  |
| 125 | 11.9  | 8.6   | 13.0  |





#92  
Benzo(g,h,i)perylene  
Concen: 5.149 ng  
RT: 17.574 min Scan# 20  
Delta R.T. -0.018 min  
Lab File: BF133820.D  
Acq: 16 Jun 2023 22:28

Instrument :  
BNA\_F  
ClientSampleId :  
COMPOSIT-SB-10



Tgt Ion: 276 Resp: 2975  
Ion Ratio Lower Upper  
276 100  
277 29.0 19.8 29.8  
138 26.1 15.0 22.4

Manual Integrations  
APPROVED

Reviewed By : Yogesh Patel 06/19/2023  
Supervised By : mohammad ahmed 06/20/2023

