

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062723\  
 Data File : BF134002.D  
 Acq On : 27 Jun 2023 21:16  
 Operator : CG\JU  
 Sample : 03388-01 2X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-05-062223

Quant Time: Jun 28 01:31:27 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 26 23:12:04 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/28/2023  
 Supervised By :mohammad ahmed 06/29/2023

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.851  | 152  | 111596   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.128  | 136  | 386841   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.886  | 164  | 151359   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.386 | 188  | 262390   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.045 | 240  | 174648   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.551 | 264  | 137149   | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.481  | 112  | 347292   | 52.057 | ng    | 0.00     |
| 7) Phenol-d6                | 6.481  | 99   | 342719   | 41.772 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.410  | 82   | 218072   | 30.388 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.680 | 330  | 72908    | 38.418 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.204  | 172  | 375484   | 36.067 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.986 | 244  | 341069   | 31.430 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 75) Fluoranthene            | 12.610 | 202  | 62067    | 4.346  | ng    | 98       |
| 78) Pyrene                  | 12.839 | 202  | 67131    | 4.130  | ng    | 99       |
| 81) Benzo(a)anthracene      | 14.033 | 228  | 31665    | 2.614  | ng    | # 86     |
| 83) Chrysene                | 14.068 | 228  | 28400    | 2.421  | ng    | # 90     |
| 88) Benzo(b)fluoranthene    | 15.104 | 252  | 33732m   | 4.183  | ng    |          |
| 90) Benzo(a)pyrene          | 15.486 | 252  | 21164    | 2.714  | ng    | # 78     |
| -----                       |        |      |          |        |       |          |

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

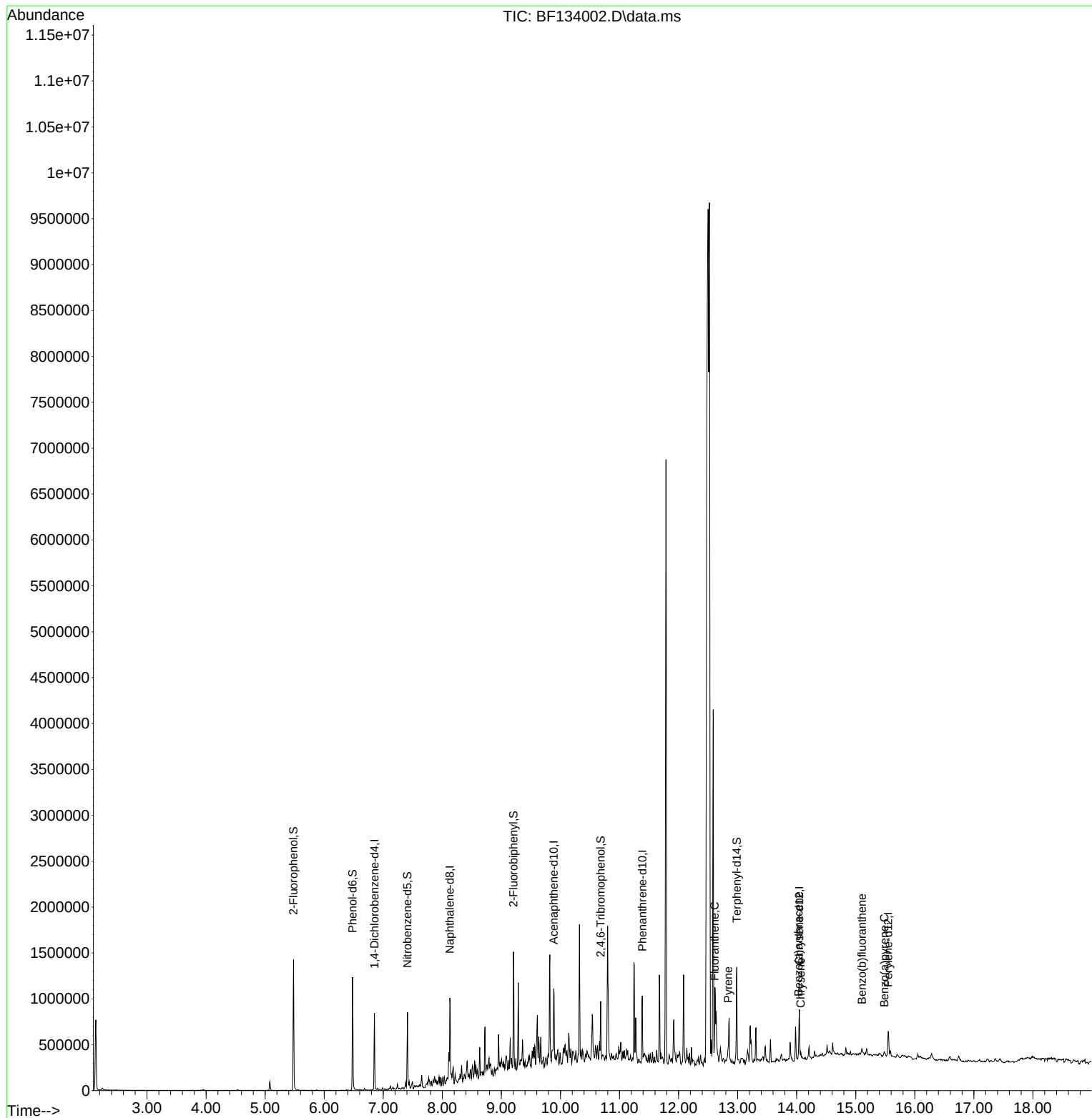
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062723\  
Data File : BF134002.D  
Acq On : 27 Jun 2023 21:16  
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Sample : 03388-01 2X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

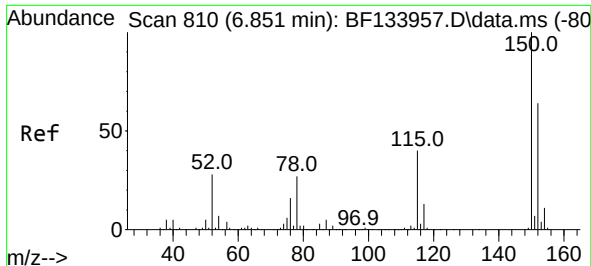
Instrument :  
BNA\_F  
ClientSampleId :  
TR-05-062223

Quant Time: Jun 28 01:31:27 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 26 23:12:04 2023  
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Manual Integrations  
APPROVED

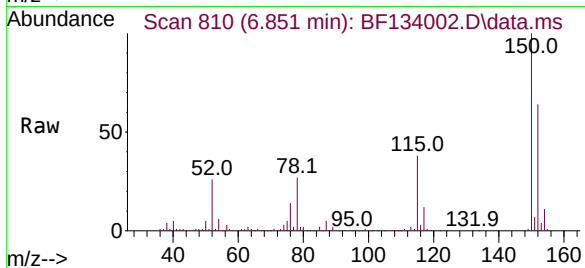
Reviewed By :Yogesh Patel 06/28/2023  
Supervised By :mohammad ahmed 06/29/2023





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.851 min Scan# 810  
Delta R.T. 0.000 min  
Lab File: BF134002.D  
Acq: 27 Jun 2023 21:16

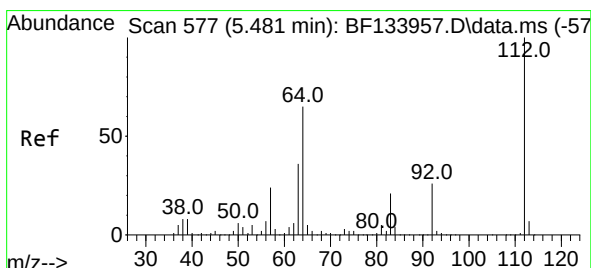
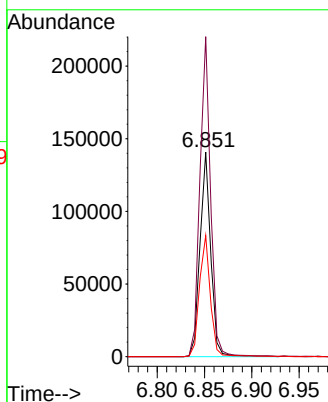
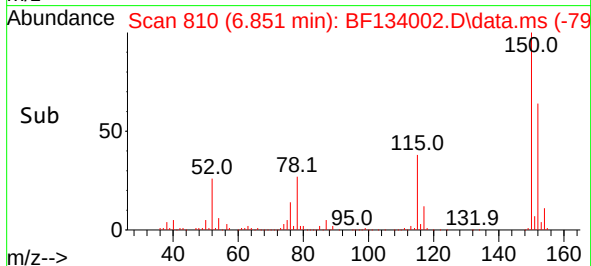
Instrument :  
BNA\_F  
ClientSampleId :  
TR-05-062223



Tgt Ion:152 Resp: 111590  
Ion Ratio Lower Upper  
152 100  
150 156.3 124.5 186.7  
115 59.1 50.2 75.2

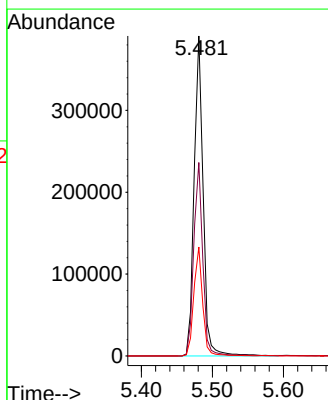
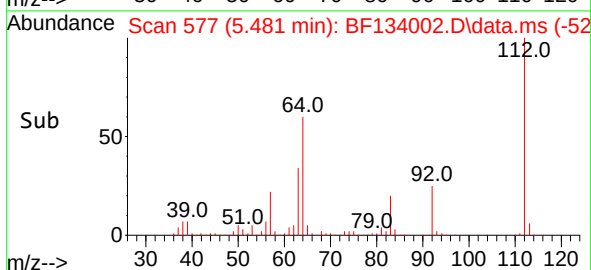
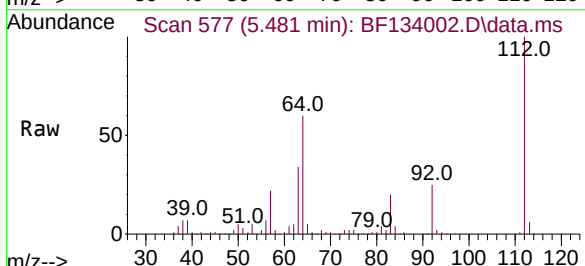
Manual Integrations  
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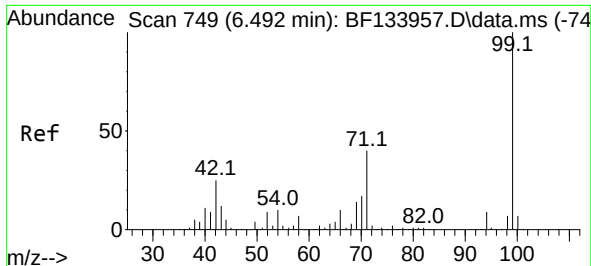
Reviewed By :Yogesh Patel 06/28/2023  
Supervised By :mohammad ahmed 06/29/2023



#5  
2-Fluorophenol  
Concen: 52.057 ng  
RT: 5.481 min Scan# 577  
Delta R.T. 0.000 min  
Lab File: BF134002.D  
Acq: 27 Jun 2023 21:16

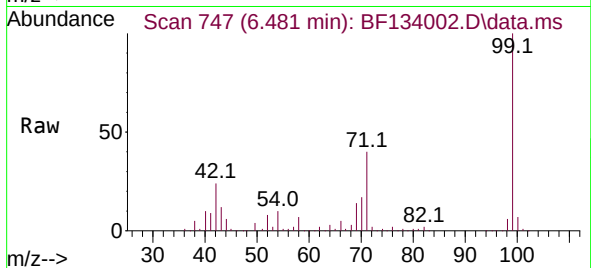
Tgt Ion:112 Resp: 347292  
Ion Ratio Lower Upper  
112 100  
64 60.5 52.1 78.1  
63 34.0 28.6 42.8





#7  
Phenol-d6  
Concen: 41.772 ng  
RT: 6.481 min Scan# 749  
Delta R.T. -0.012 min  
Lab File: BF134002.D  
Acq: 27 Jun 2023 21:16

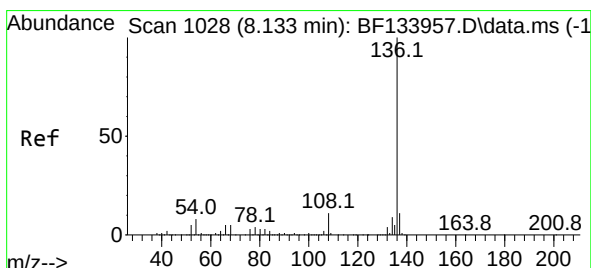
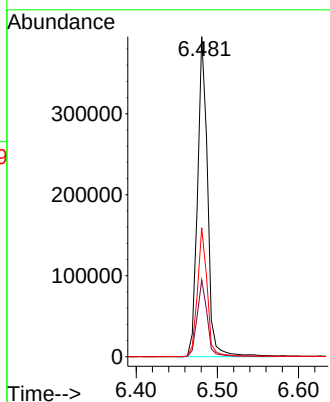
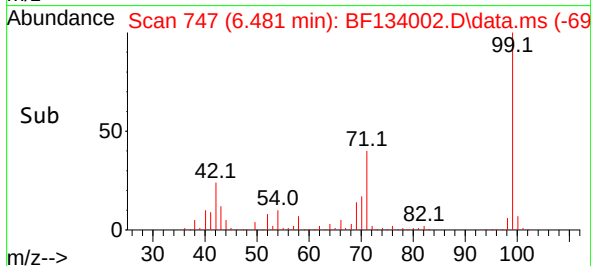
Instrument :  
BNA\_F  
ClientSampleId :  
TR-05-062223



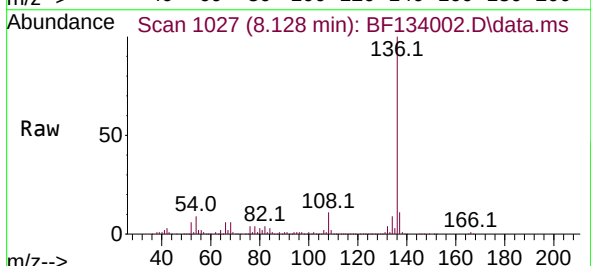
Tgt Ion: 99 Resp: 342719  
Ion Ratio Lower Upper  
99 100  
42 24.0 19.8 29.6  
71 40.3 31.9 47.9

Manual Integrations  
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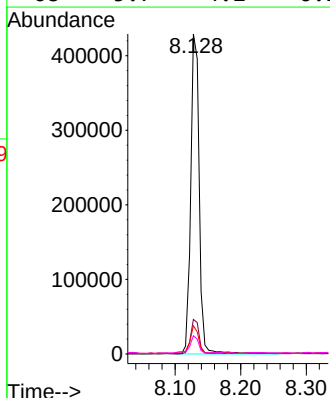
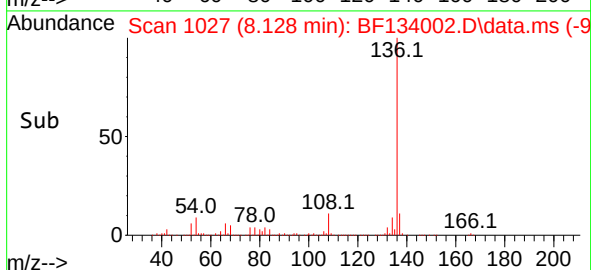
Reviewed By :Yogesh Patel 06/28/2023  
Supervised By :mohammad ahmed 06/29/2023

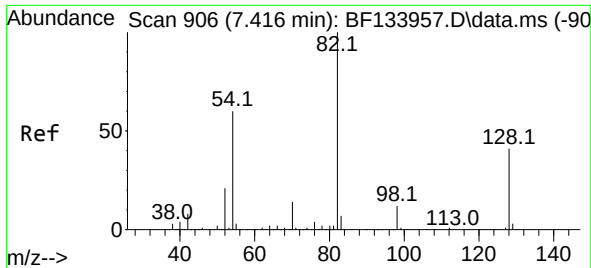


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.128 min Scan# 1027  
Delta R.T. -0.006 min  
Lab File: BF134002.D  
Acq: 27 Jun 2023 21:16



Tgt Ion:136 Resp: 386841  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 12.8  
54 8.8 6.5 9.7  
68 5.7 4.2 6.2





#23

Nitrobenzene-d5

Concen: 30.388 ng

RT: 7.410 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF134002.D

Acq: 27 Jun 2023 21:16

Instrument :

BNA\_F

ClientSampleId :

TR-05-062223

Tgt Ion: 82 Resp: 218072

Ion Ratio Lower Upper

82 100

128 42.4 32.5 48.7

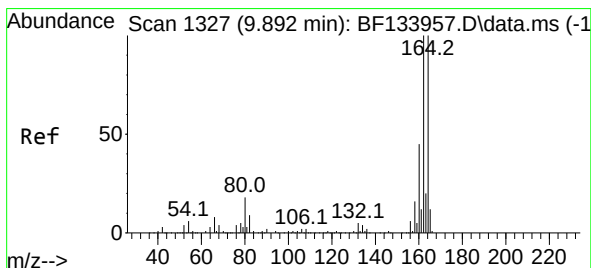
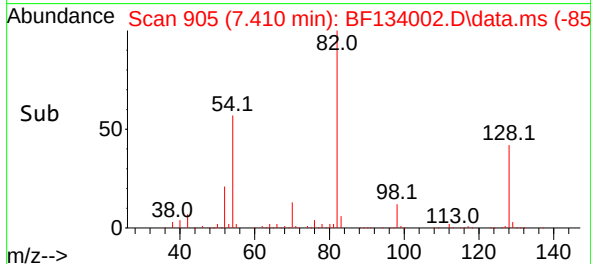
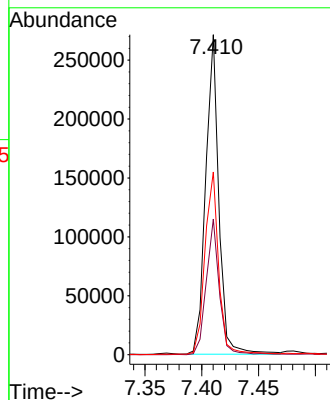
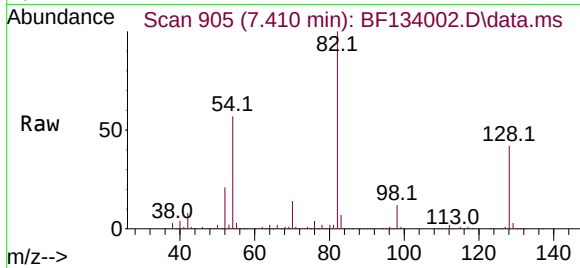
54 57.1 48.2 72.2

Manual Integrations

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Reviewed By :Yogesh Patel 06/28/2023

Supervised By :mohammad ahmed 06/29/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.006 min

Lab File: BF134002.D

Acq: 27 Jun 2023 21:16

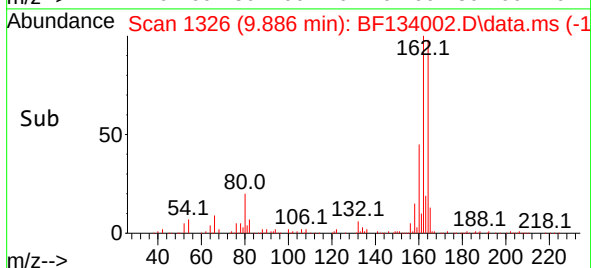
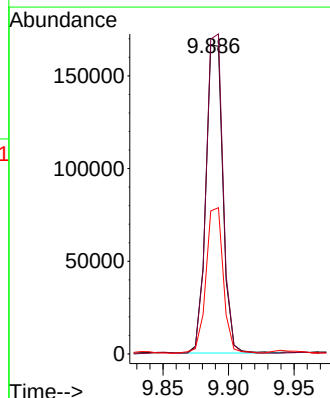
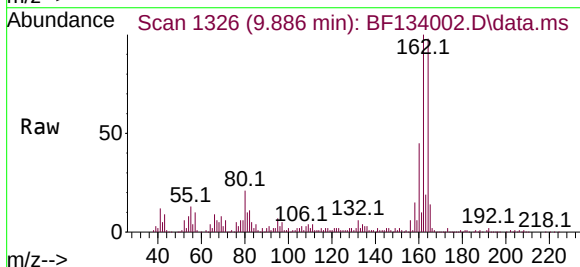
Tgt Ion:164 Resp: 151359

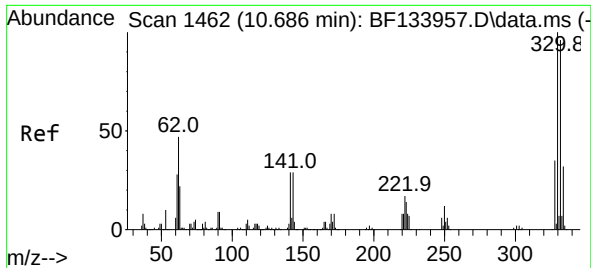
Ion Ratio Lower Upper

164 100

162 101.8 80.0 120.0

160 46.3 35.9 53.9





#42  
2,4,6-Tribromophenol  
Concen: 38.418 ng  
RT: 10.680 min Scan# 1462  
Delta R.T. -0.006 min  
Lab File: BF134002.D  
Acq: 27 Jun 2023 21:16

Instrument :

BNA\_F

ClientSampleId :

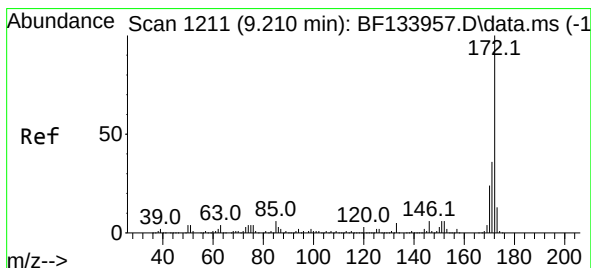
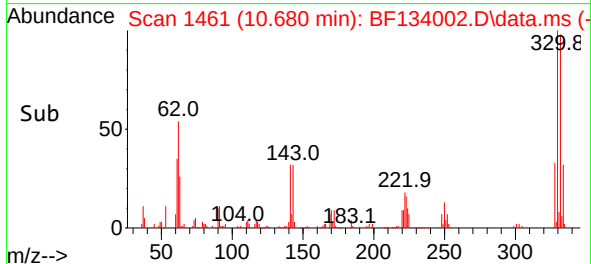
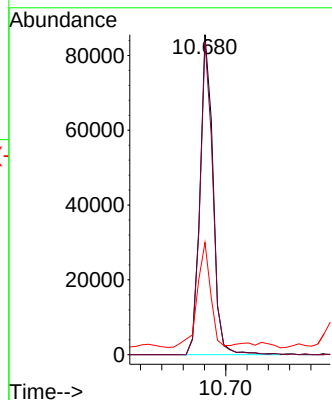
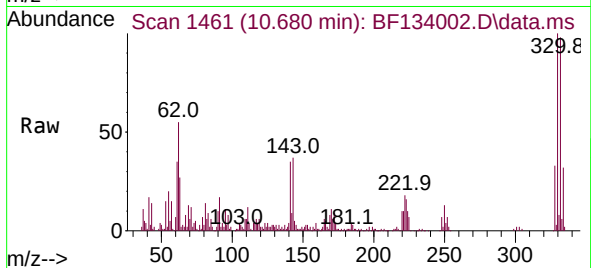
TR-05-062223

Tgt Ion:330 Resp: 72908  
Ion Ratio Lower Upper  
330 100  
332 96.2 77.0 115.6  
141 33.4 26.3 39.5

Manual Integrations

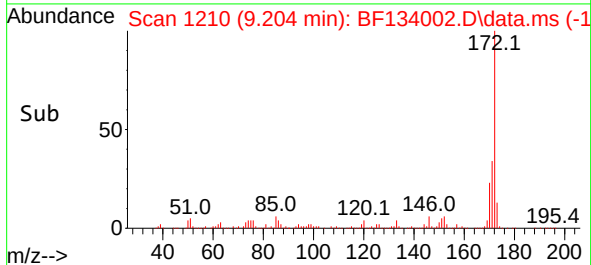
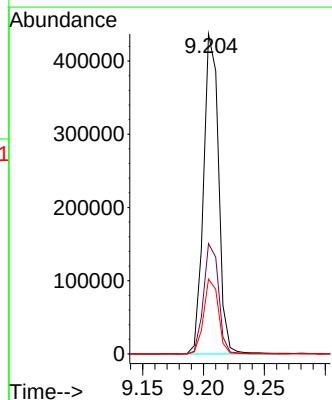
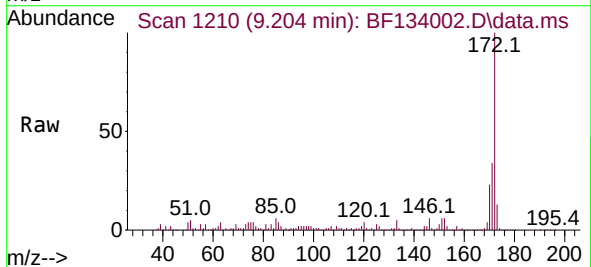
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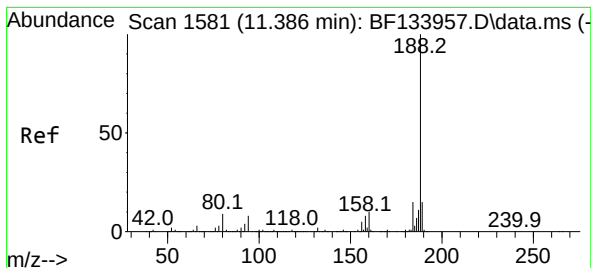
Reviewed By :Yogesh Patel 06/28/2023  
Supervised By :mohammad ahmed 06/29/2023



#45  
2-Fluorobiphenyl  
Concen: 36.067 ng  
RT: 9.204 min Scan# 1210  
Delta R.T. -0.006 min  
Lab File: BF134002.D  
Acq: 27 Jun 2023 21:16

Tgt Ion:172 Resp: 375484  
Ion Ratio Lower Upper  
172 100  
171 34.5 28.6 43.0  
170 23.4 19.4 29.0





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.386 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF134002.D  
Acq: 27 Jun 2023 21:16

Instrument :

BNA\_F

ClientSampleId :

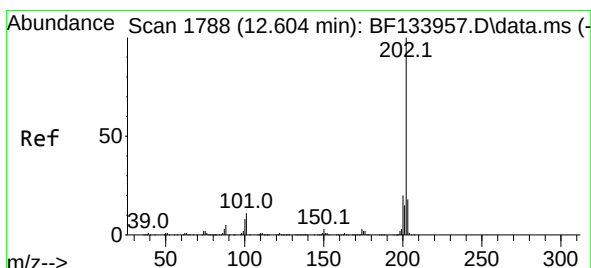
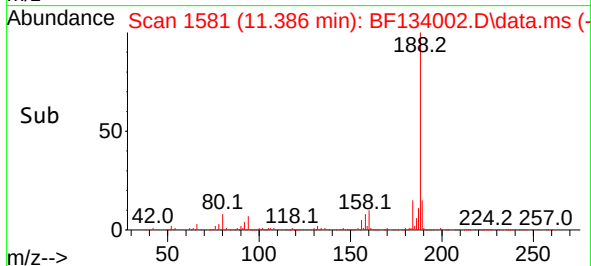
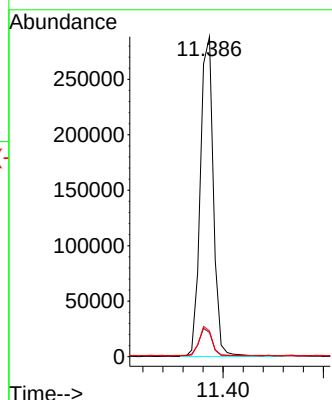
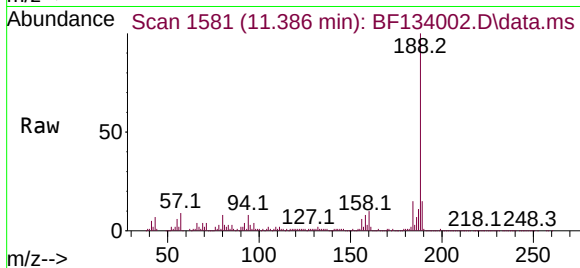
TR-05-062223

Tgt Ion:188 Resp: 262390  
Ion Ratio Lower Upper  
188 100  
94 7.6 6.4 9.6  
80 8.1 7.3 10.9

Manual Integrations

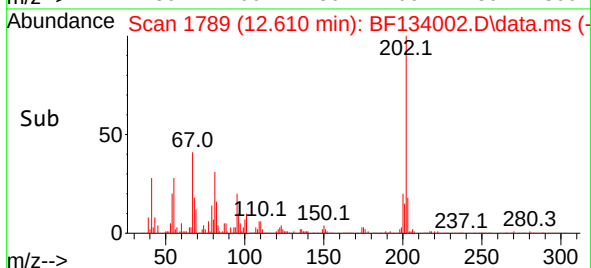
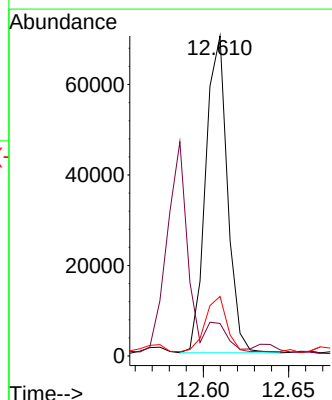
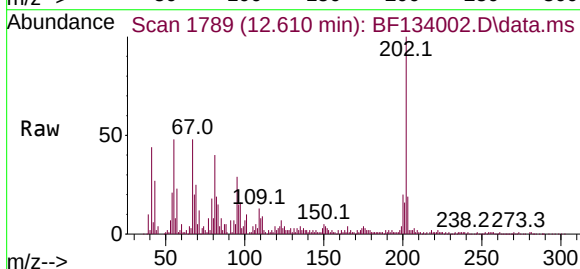
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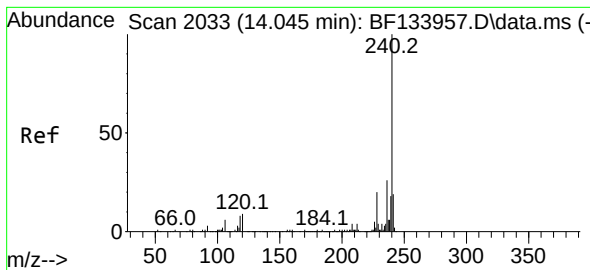
Reviewed By :Yogesh Patel 06/28/2023  
Supervised By :mohammad ahmed 06/29/2023



#75  
Fluoranthene  
Concen: 4.346 ng  
RT: 12.610 min Scan# 1789  
Delta R.T. 0.006 min  
Lab File: BF134002.D  
Acq: 27 Jun 2023 21:16

Tgt Ion:202 Resp: 62067  
Ion Ratio Lower Upper  
202 100  
101 10.2 0.0 31.0  
203 18.6 0.0 37.6





#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.045 min Scan# 2033  
Delta R.T. 0.000 min  
Lab File: BF134002.D  
Acq: 27 Jun 2023 21:16

Instrument :

BNA\_F

ClientSampleId :

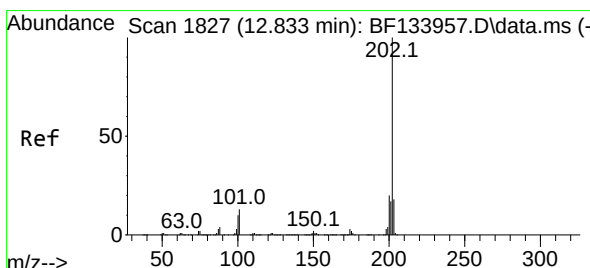
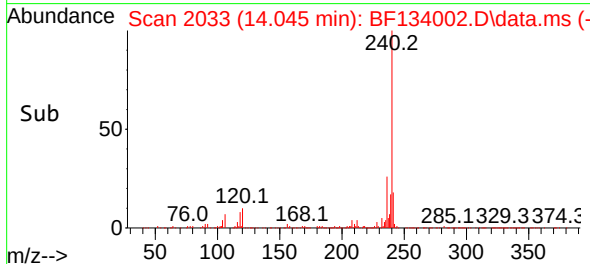
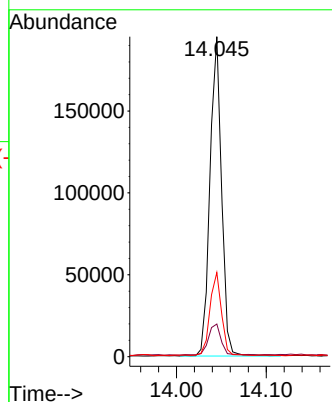
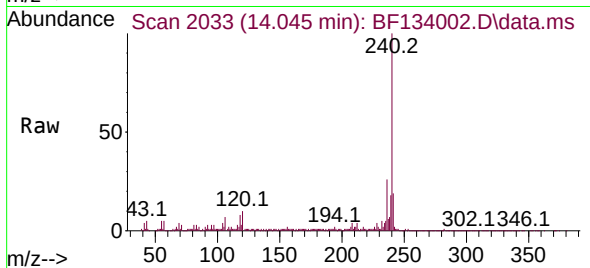
TR-05-062223

Tgt Ion:240 Resp: 174648  
Ion Ratio Lower Upper  
240 100  
120 10.2 7.4 11.0  
236 26.3 21.0 31.6

Manual Integrations

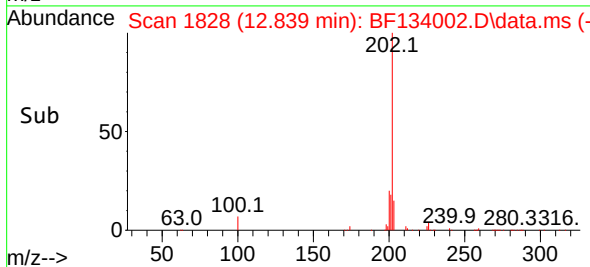
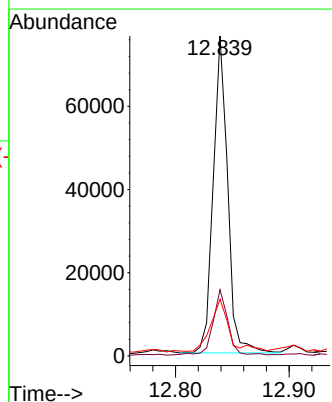
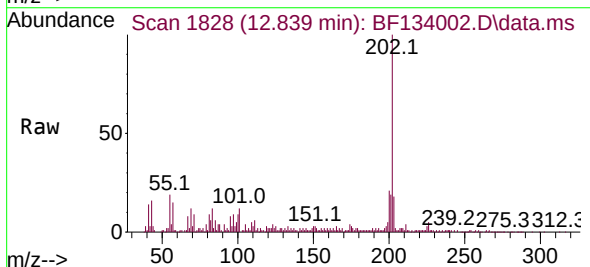
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Supervised By :mohammad ahmed 06/29/2023

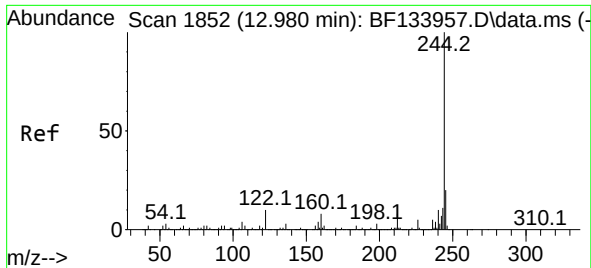


#78  
Pyrene  
Concen: 4.130 ng  
RT: 12.839 min Scan# 1828  
Delta R.T. 0.006 min  
Lab File: BF134002.D  
Acq: 27 Jun 2023 21:16

Tgt Ion:202 Resp: 67131  
Ion Ratio Lower Upper  
202 100  
200 20.7 16.1 24.1  
203 17.7 14.3 21.5

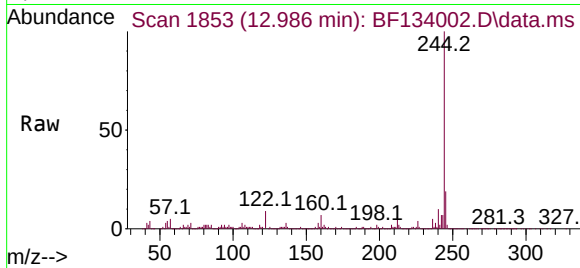






#79  
Terphenyl-d14  
Concen: 31.430 ng  
RT: 12.986 min Scan# 1852  
Delta R.T. 0.006 min  
Lab File: BF134002.D  
Acq: 27 Jun 2023 21:16

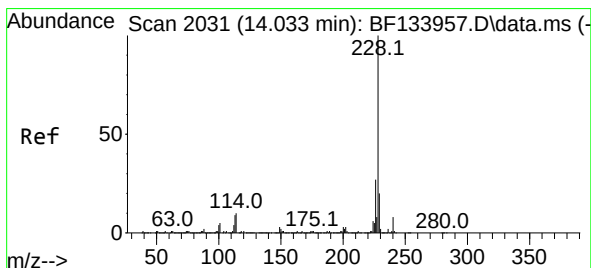
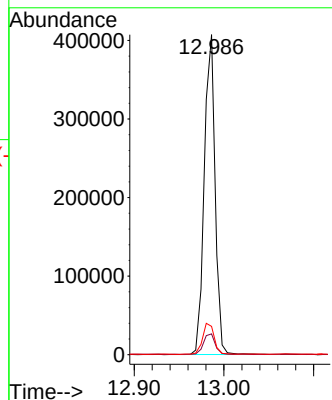
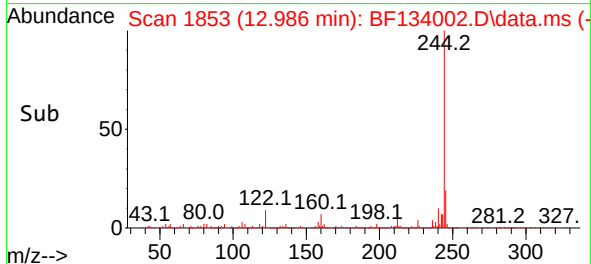
Instrument :  
BNA\_F  
ClientSampleId :  
TR-05-062223



Tgt Ion:244 Resp: 341065  
Ion Ratio Lower Upper  
244 100  
212 6.5 6.0 9.0  
122 8.9 8.3 12.5

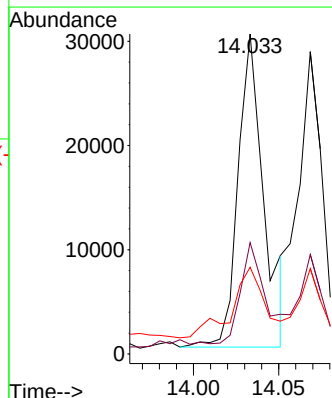
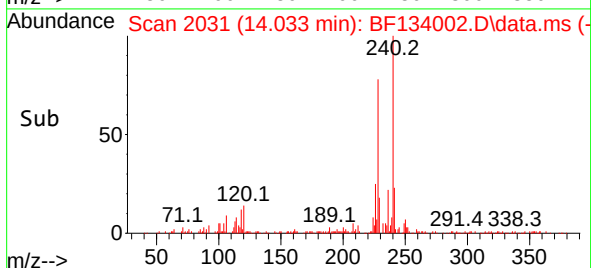
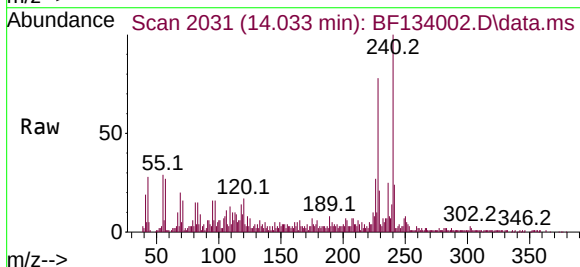
Manual Integrations  
APPROVED

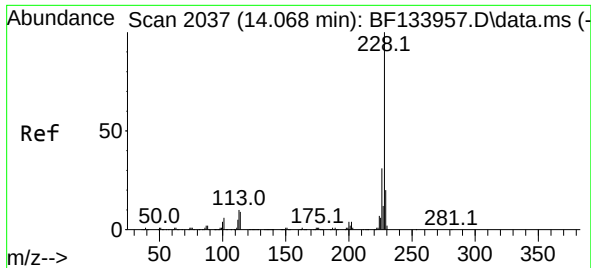
Reviewed By :Yogesh Patel 06/28/2023  
Supervised By :mohammad ahmed 06/29/2023



#81  
Benzo(a)anthracene  
Concen: 2.614 ng  
RT: 14.033 min Scan# 2031  
Delta R.T. 0.000 min  
Lab File: BF134002.D  
Acq: 27 Jun 2023 21:16

Tgt Ion:228 Resp: 31665  
Ion Ratio Lower Upper  
228 100  
226 34.8 22.0 33.0#  
229 27.1 16.3 24.5#





#83  
Chrysene  
Concen: 2.421 ng  
RT: 14.068 min Scan# 2037  
Delta R.T. 0.000 min  
Lab File: BF134002.D  
Acq: 27 Jun 2023 21:16

Instrument :

BNA\_F

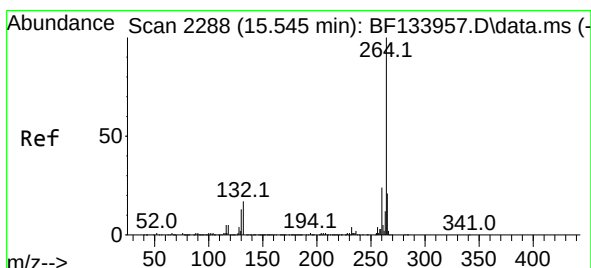
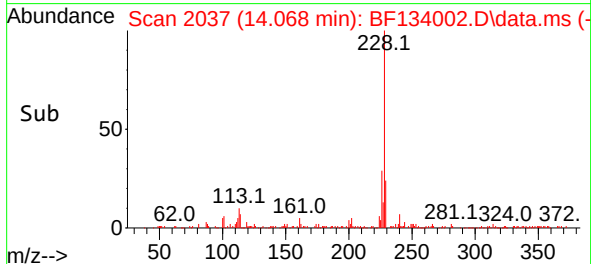
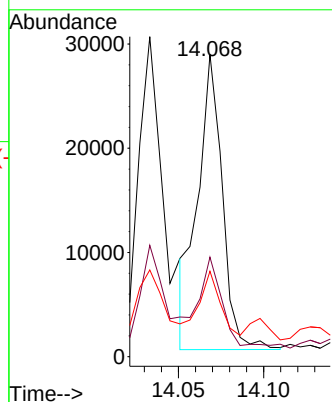
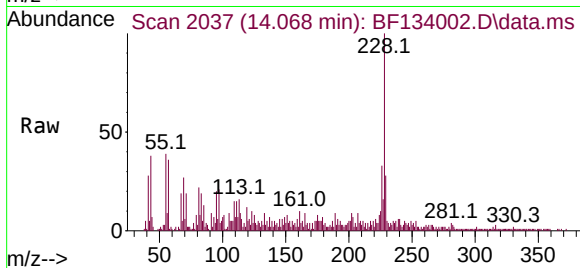
ClientSampleId :

TR-05-062223

Tgt Ion:228 Resp: 28400  
Ion Ratio Lower Upper  
228 100  
226 32.9 24.4 36.6  
229 28.2 16.1 24.1

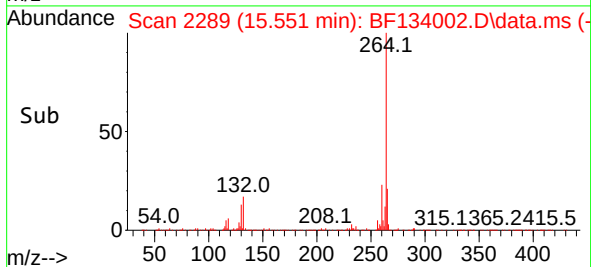
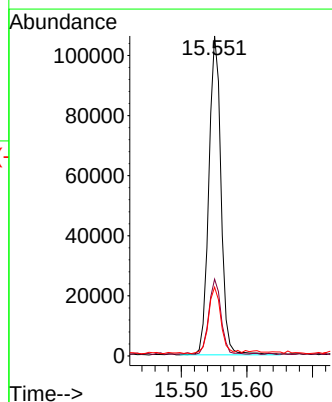
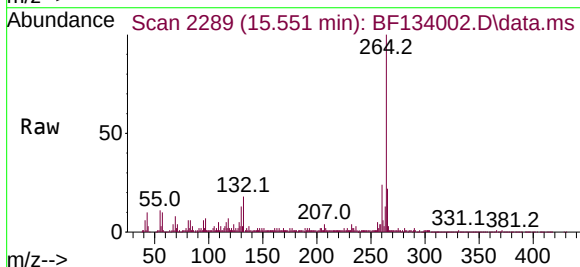
Manual Integrations  
APPROVED

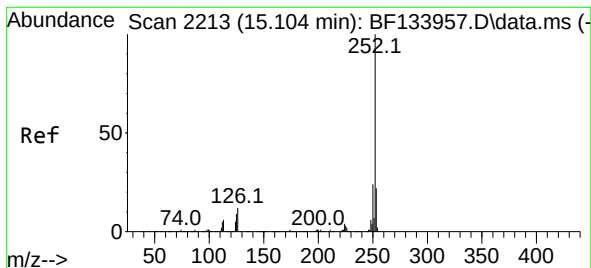
Reviewed By :Yogesh Patel 06/28/2023  
Supervised By :mohammad ahmed 06/29/2023



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.551 min Scan# 2289  
Delta R.T. 0.006 min  
Lab File: BF134002.D  
Acq: 27 Jun 2023 21:16

Tgt Ion:264 Resp: 137149  
Ion Ratio Lower Upper  
264 100  
260 24.0 19.5 29.3  
265 21.5 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 4.183 ng m

RT: 15.104 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134002.D

Acq: 27 Jun 2023 21:16

Instrument :

BNF

ClientSampleId :

TR-05-062223

Tgt Ion:252 Resp: 3373

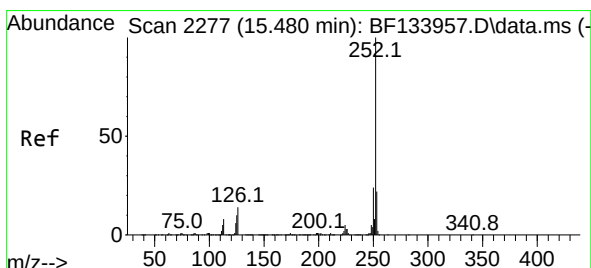
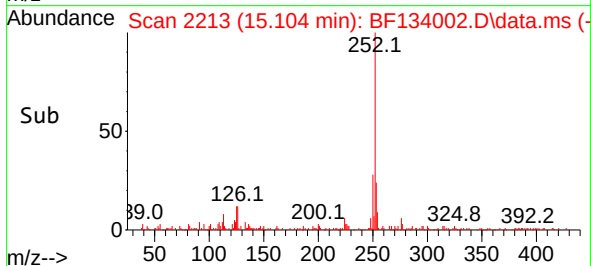
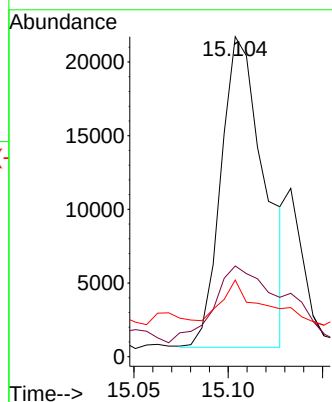
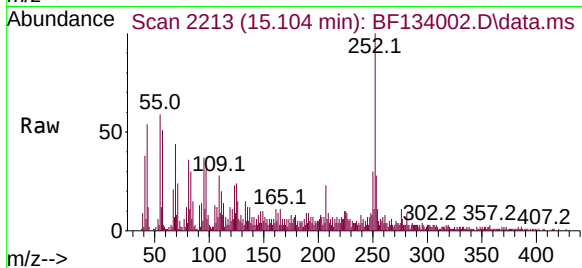
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 28.3  | 17.4  | 26.0  |
| 125 | 23.9  | 7.1   | 10.7  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/28/2023

Supervised By :mohammad ahmed 06/29/2023



#90

Benzo(a)pyrene

Concen: 2.714 ng

RT: 15.486 min Scan# 2278

Delta R.T. 0.006 min

Lab File: BF134002.D

Acq: 27 Jun 2023 21:16

Tgt Ion:252 Resp: 21164

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 28.1  | 17.4  | 26.0  |
| 125 | 25.1  | 8.4   | 12.6  |

