

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060923\  
 Data File : BF133679.D  
 Acq On : 09 Jun 2023 16:51  
 Operator : CG\JU  
 Sample : 03071-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-1

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/13/2023  
 Supervised By :mohammad ahmed 06/13/2023

Quant Time: Jun 09 17:25:01 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 09 15:37:41 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.839  | 152  | 96393    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.122  | 136  | 349720   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.875  | 164  | 154401   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.363 | 188  | 239934   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.010 | 240  | 143978   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.474 | 264  | 105822   | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.451  | 112  | 449121   | 81.113 | ng    | 0.00     |
| 7) Phenol-d6                | 6.463  | 99   | 547724   | 75.996 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.398  | 82   | 368518   | 57.394 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.669 | 330  | 129580   | 66.300 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.198  | 172  | 633726   | 58.345 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.957 | 244  | 457716   | 49.191 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 11.386 | 178  | 25789    | 2.119  | ng    | 99       |
| 75) Fluoranthene            | 12.580 | 202  | 42936    | 3.321  | ng    | 99       |
| 78) Pyrene                  | 12.810 | 202  | 38239    | 2.851  | ng    | 98       |
| 88) Benzo(b)fluoranthene    | 15.051 | 252  | 17032m   | 2.650  | ng    |          |
| -----                       |        |      |          |        |       |          |

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

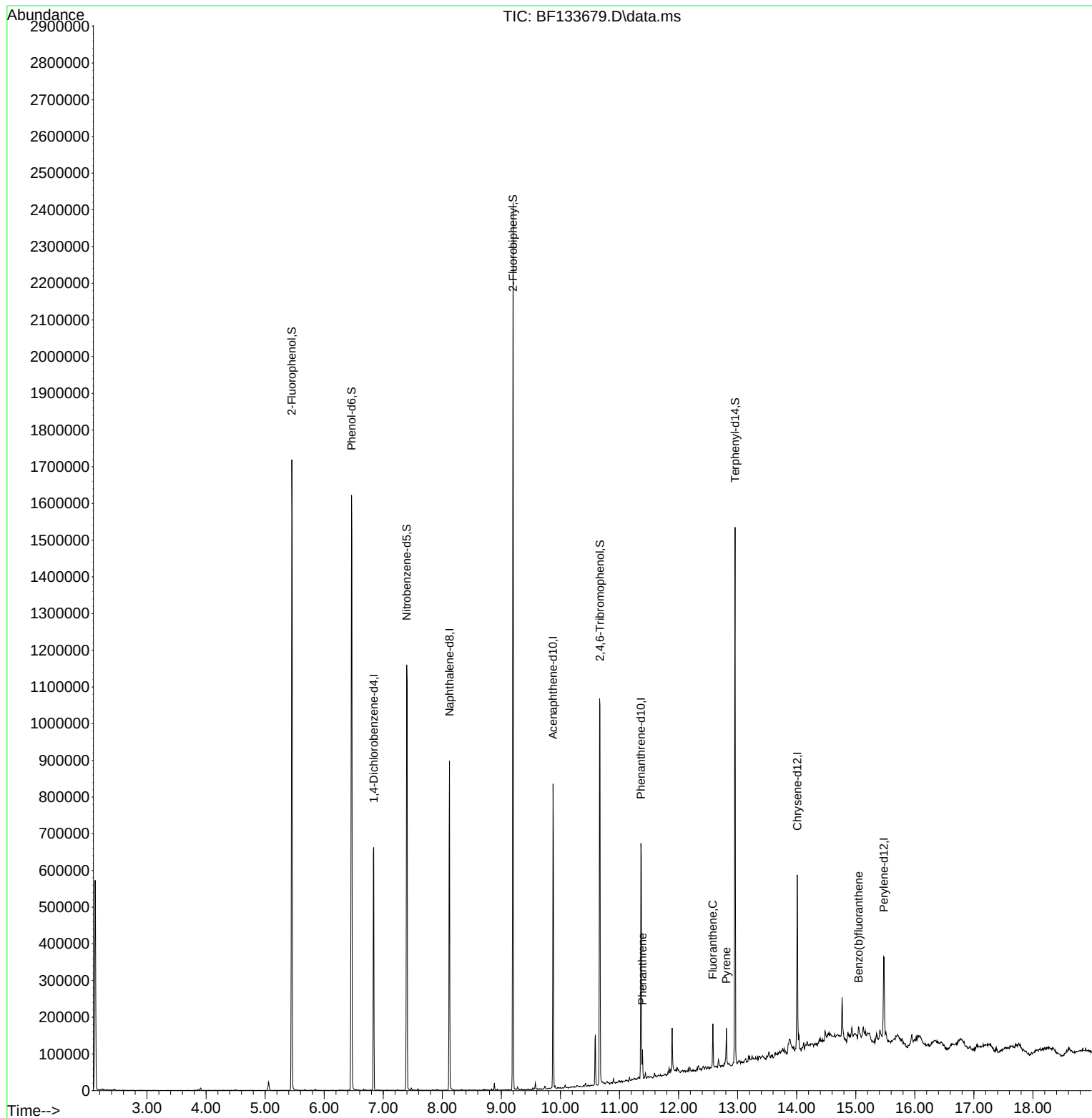
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060923\  
Data File : BF133679.D  
Acq On : 09 Jun 2023 16:51  
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Sample : 03071-01  
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ALS Vial : 7 Sample Multiplier: 1

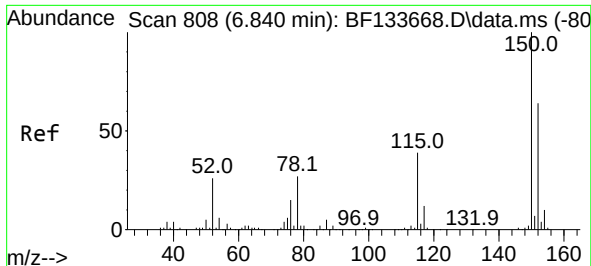
Instrument :  
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Quant Time: Jun 09 17:25:01 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 09 15:37:41 2023  
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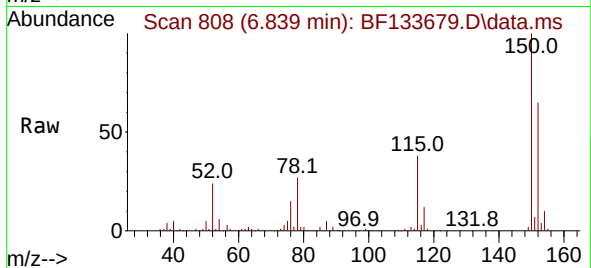
Reviewed By :Yogesh Patel 06/13/2023  
Supervised By :mohammad ahmed 06/13/2023





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.839 min Scan# 808  
Delta R.T. -0.001 min  
Lab File: BF133679.D  
Acq: 09 Jun 2023 16:51

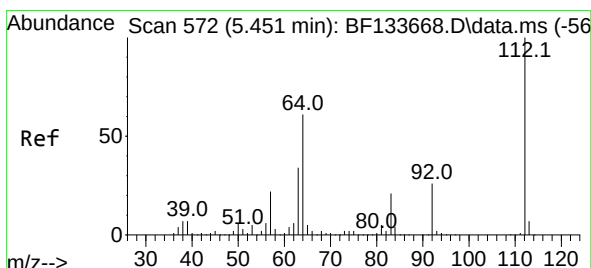
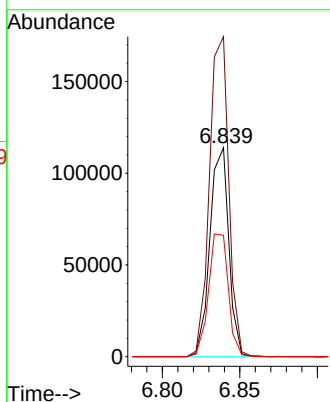
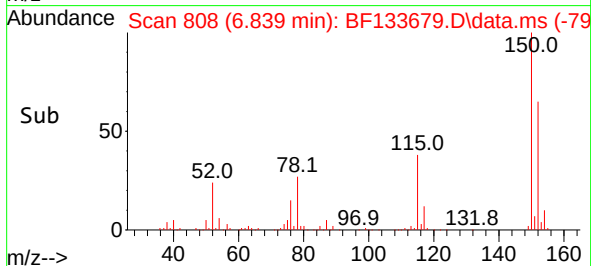
Instrument :  
BNA\_F  
ClientSampleId :  
WC-1



Tgt Ion:152 Resp: 9639  
Ion Ratio Lower Upper  
152 100  
150 153.1 124.3 186.5  
115 58.1 48.5 72.7

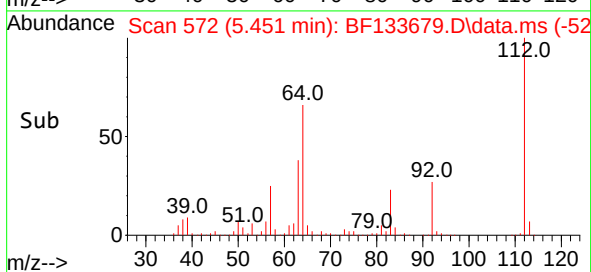
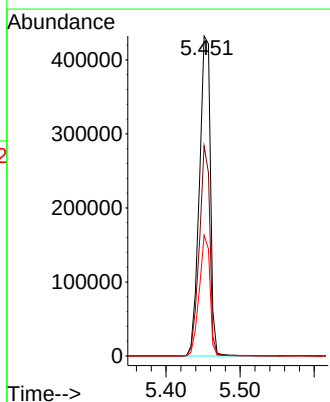
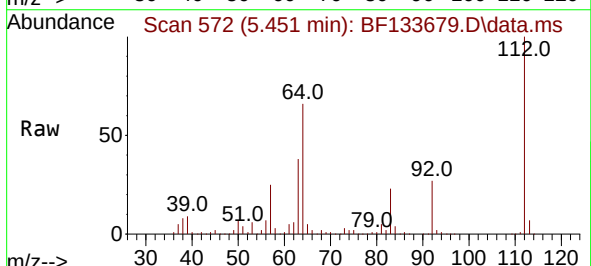
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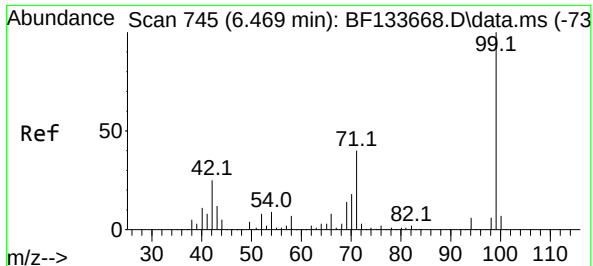
Reviewed By :Yogesh Patel 06/13/2023  
Supervised By :mohammad ahmed 06/13/2023



#5  
2-Fluorophenol  
Concen: 81.113 ng  
RT: 5.451 min Scan# 572  
Delta R.T. 0.000 min  
Lab File: BF133679.D  
Acq: 09 Jun 2023 16:51

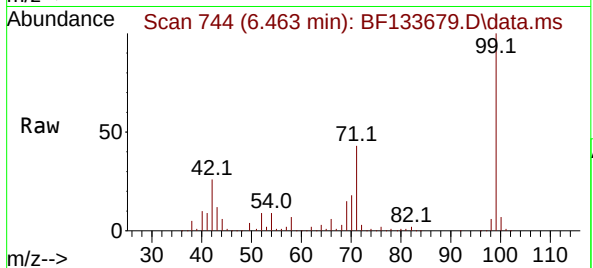
Tgt Ion:112 Resp: 449121  
Ion Ratio Lower Upper  
112 100  
64 65.7 49.0 73.4  
63 37.8 26.8 40.2





#7  
Phenol-d6  
Concen: 75.996 ng  
RT: 6.463 min Scan# 745  
Delta R.T. -0.006 min  
Lab File: BF133679.D  
Acq: 09 Jun 2023 16:51

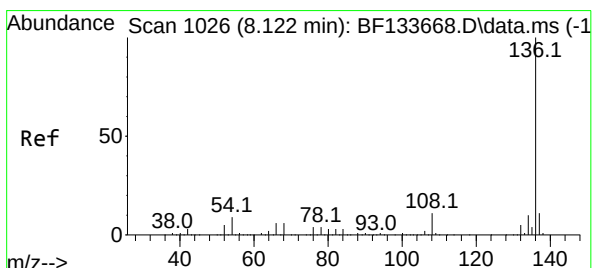
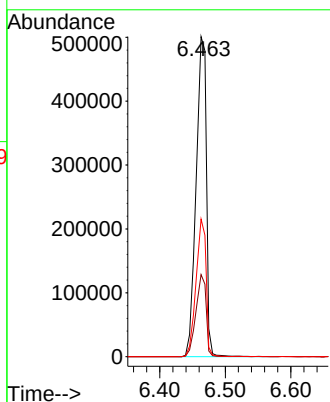
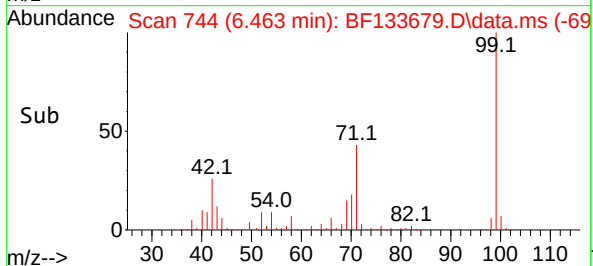
Instrument :  
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ClientSampleId :  
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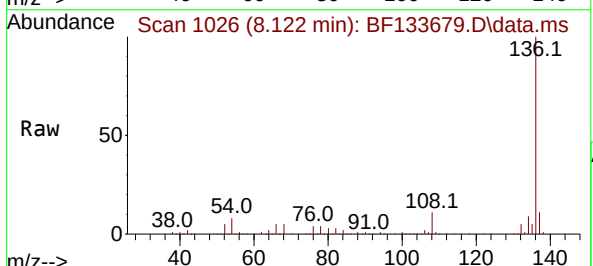
Tgt Ion: 99 Resp: 547724  
Ion Ratio Lower Upper  
99 100  
42 25.7 19.9 29.9  
71 43.0 32.2 48.4

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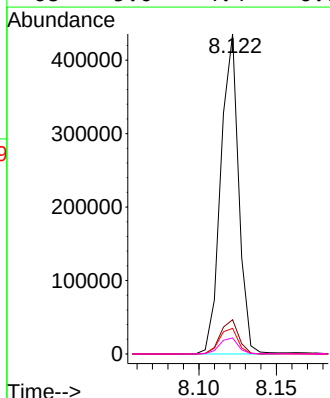
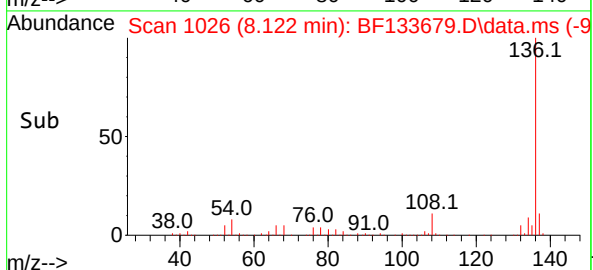
Reviewed By :Yogesh Patel 06/13/2023  
Supervised By :mohammad ahmed 06/13/2023

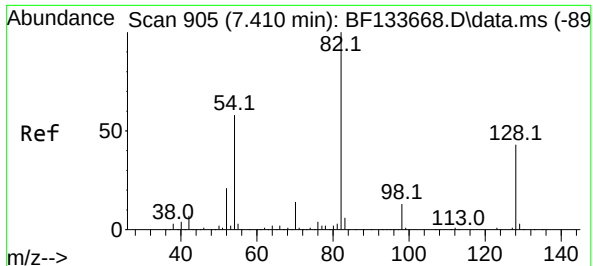


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.122 min Scan# 1026  
Delta R.T. -0.000 min  
Lab File: BF133679.D  
Acq: 09 Jun 2023 16:51



Tgt Ion:136 Resp: 349720  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.8 13.2  
54 8.0 7.4 11.0  
68 5.0 4.4 6.6





#23

Nitrobenzene-d5

Concen: 57.394 ng

RT: 7.398 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF133679.D

Acq: 09 Jun 2023 16:51

Instrument :

BNA\_F

ClientSampleId :

WC-1

Tgt Ion: 82 Resp: 368518

Ion Ratio Lower Upper

82 100

128 40.1 34.2 51.2

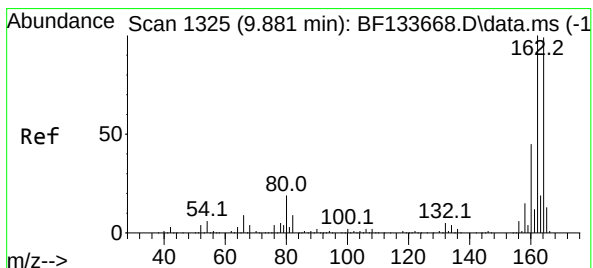
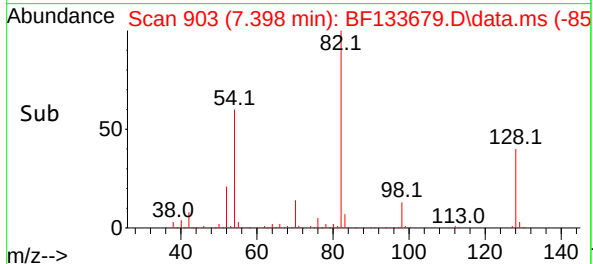
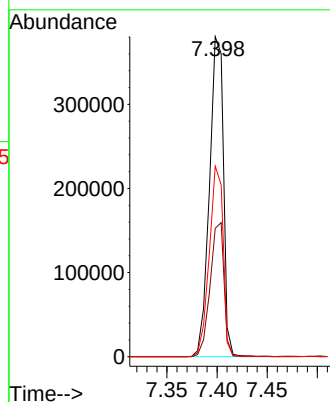
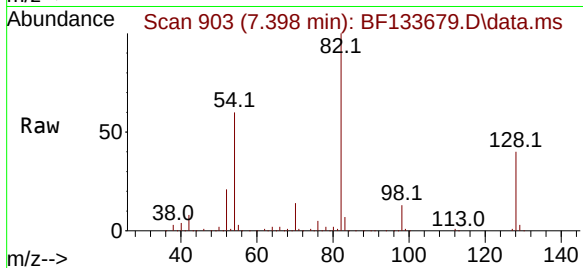
54 59.5 46.5 69.7

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Supervised By :mohammad ahmed 06/13/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1324

Delta R.T. -0.006 min

Lab File: BF133679.D

Acq: 09 Jun 2023 16:51

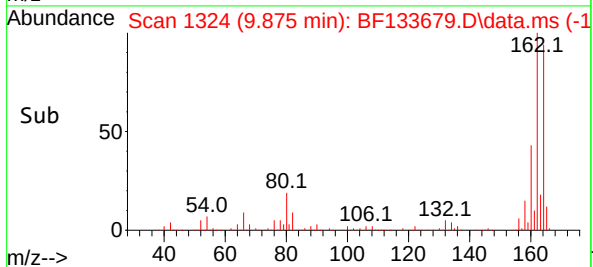
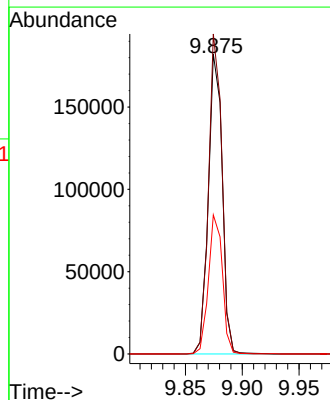
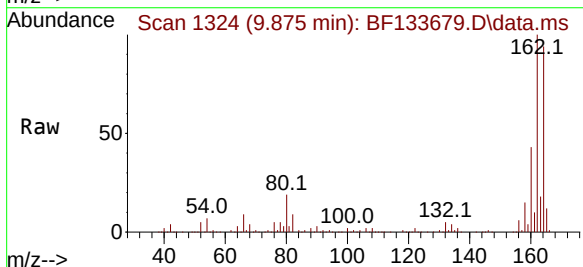
Tgt Ion:164 Resp: 154401

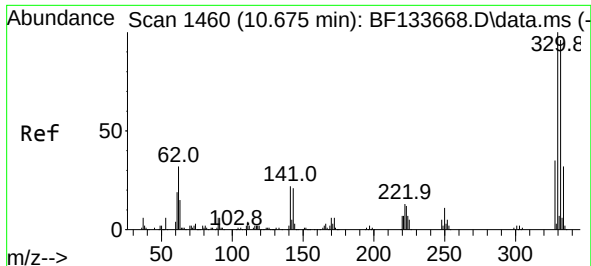
Ion Ratio Lower Upper

164 100

162 106.7 80.8 121.2

160 46.4 36.7 55.1





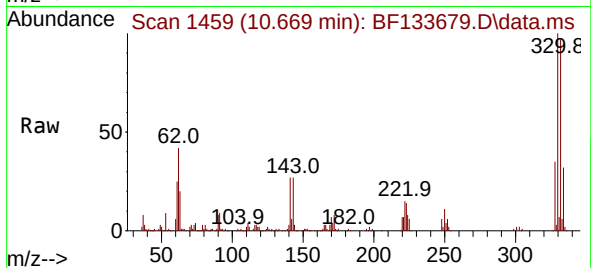
#42  
2,4,6-Tribromophenol  
Concen: 66.300 ng  
RT: 10.669 min Scan# 1460  
Delta R.T. -0.006 min  
Lab File: BF133679.D  
Acq: 09 Jun 2023 16:51

Instrument :

BNA\_F

ClientSampleId :

WC-1

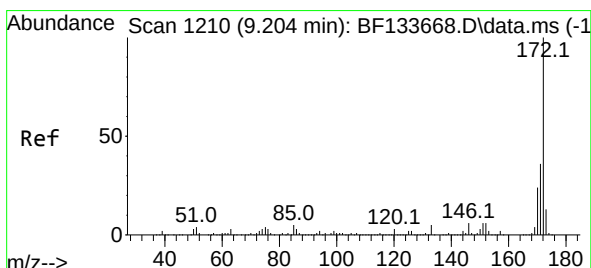
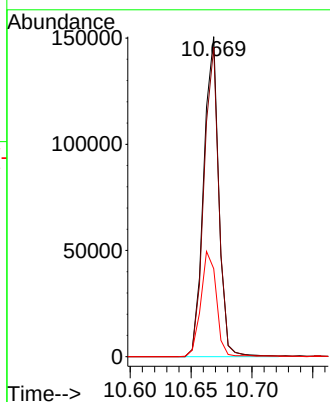
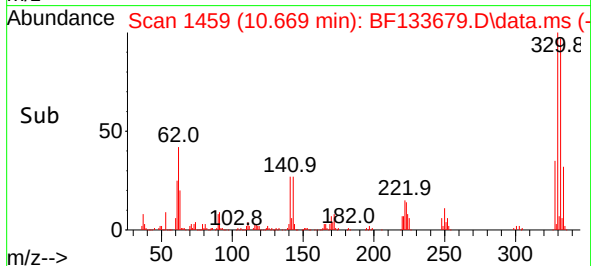


Tgt Ion: 330 Resp: 129580  
Ion Ratio Lower Upper  
330 100  
332 96.4 77.2 115.8  
141 34.5 24.9 37.3

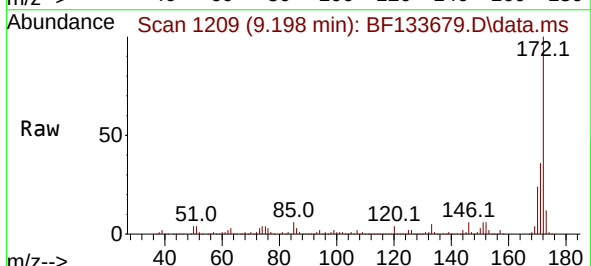
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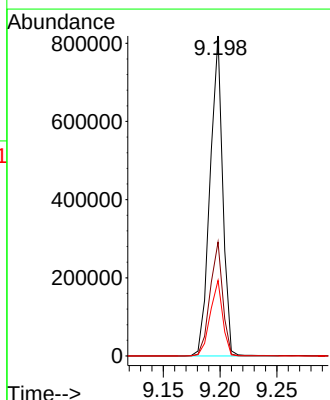
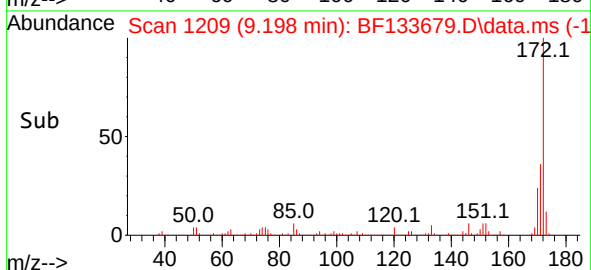
Reviewed By : Yogesh Patel 06/13/2023  
Supervised By : mohammad ahmed 06/13/2023

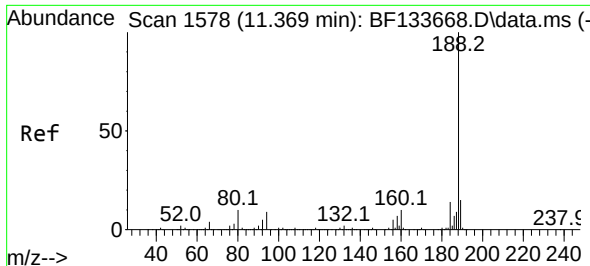


#45  
2-Fluorobiphenyl  
Concen: 58.345 ng  
RT: 9.198 min Scan# 1209  
Delta R.T. -0.006 min  
Lab File: BF133679.D  
Acq: 09 Jun 2023 16:51



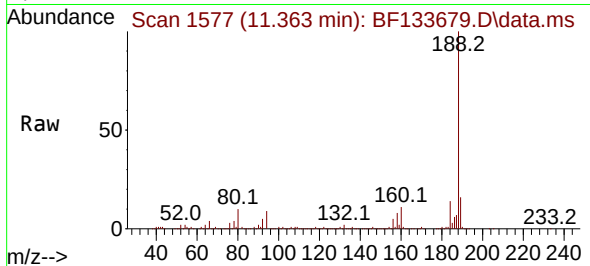
Tgt Ion: 172 Resp: 633726  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.6 43.0  
170 23.6 19.1 28.7





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.363 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF133679.D  
Acq: 09 Jun 2023 16:51

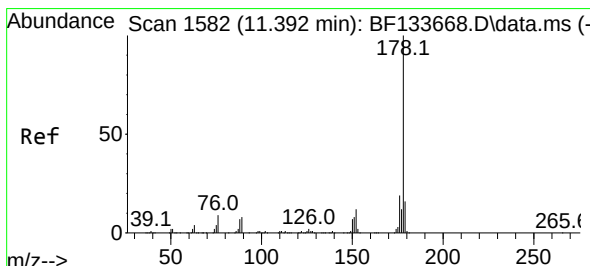
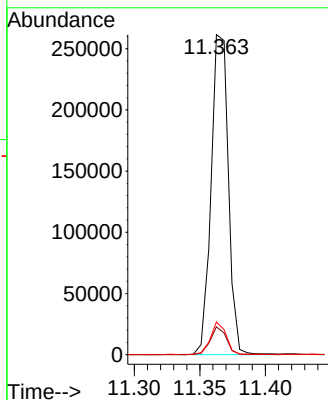
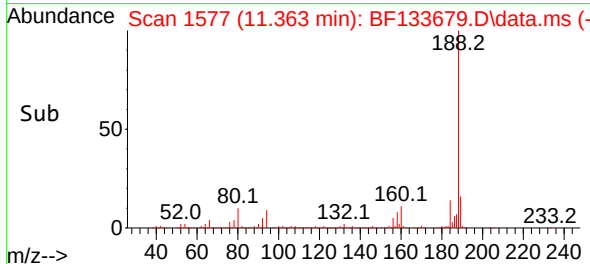
Instrument :  
BNA\_F  
ClientSampleId :  
WC-1



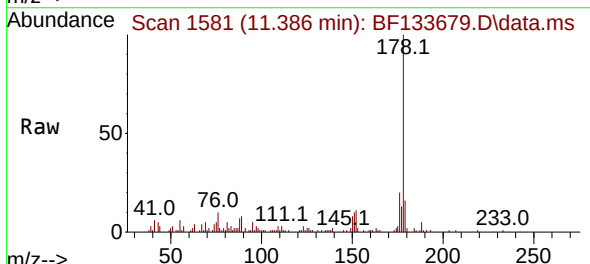
Tgt Ion:188 Resp: 239934  
Ion Ratio Lower Upper  
188 100  
94 8.7 6.8 10.2  
80 10.2 7.8 11.6

Manual Integrations  
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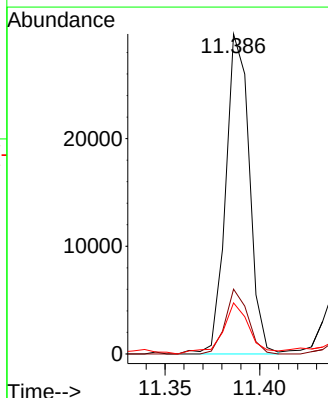
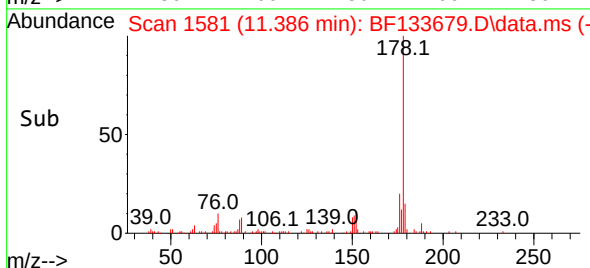
Reviewed By :Yogesh Patel 06/13/2023  
Supervised By :mohammad ahmed 06/13/2023

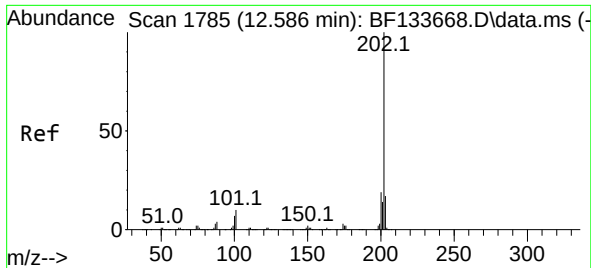


#71  
Phenanthrene  
Concen: 2.119 ng  
RT: 11.386 min Scan# 1581  
Delta R.T. -0.006 min  
Lab File: BF133679.D  
Acq: 09 Jun 2023 16:51



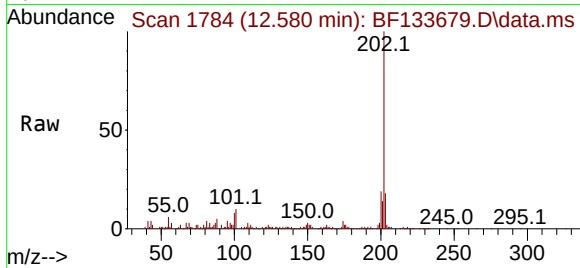
Tgt Ion:178 Resp: 25789  
Ion Ratio Lower Upper  
178 100  
176 20.2 15.6 23.4  
179 16.0 12.4 18.6





#75  
Fluoranthene  
Concen: 3.321 ng  
RT: 12.580 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF133679.D  
Acq: 09 Jun 2023 16:51

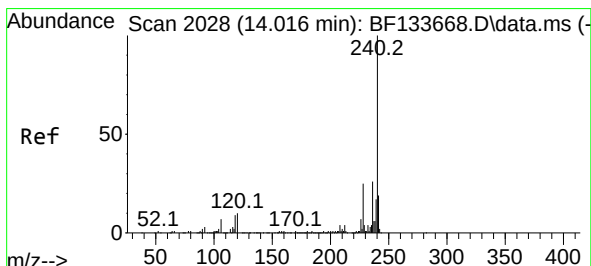
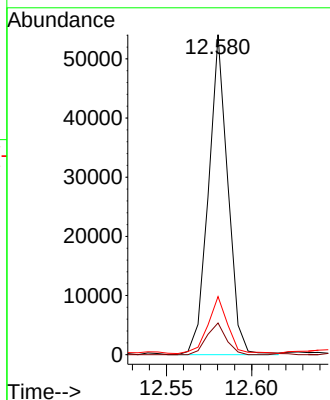
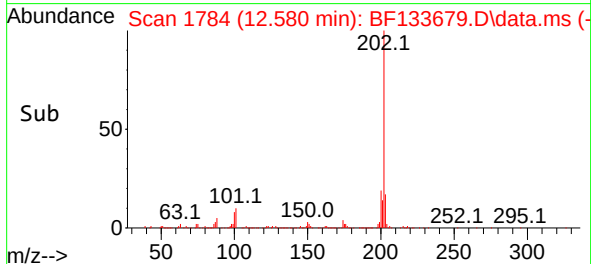
Instrument :  
BNA\_F  
ClientSampleId :  
WC-1



Tgt Ion:202 Resp: 42930  
Ion Ratio Lower Upper  
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101 9.9 0.0 29.6  
203 18.2 0.0 37.4

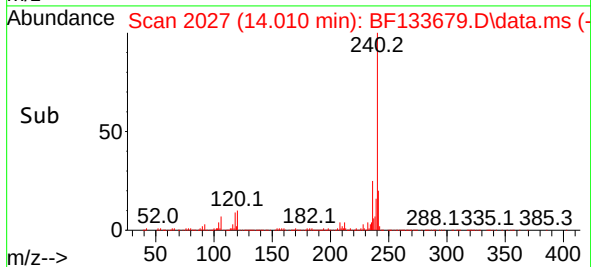
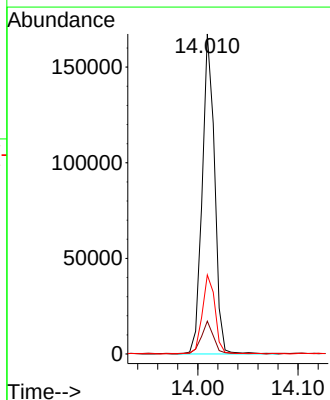
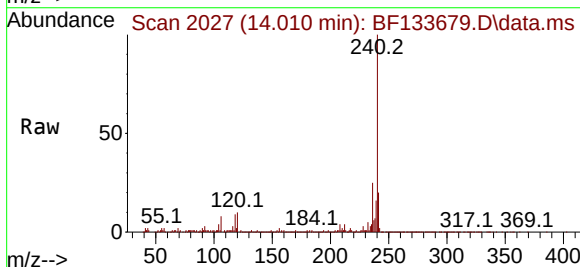
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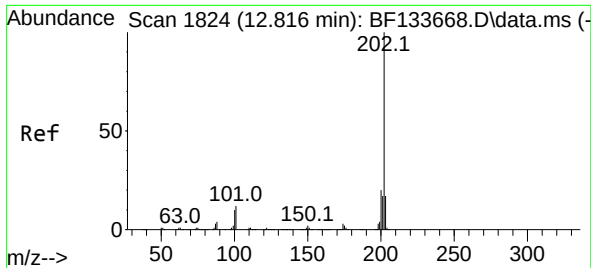


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.010 min Scan# 2027  
Delta R.T. -0.006 min  
Lab File: BF133679.D  
Acq: 09 Jun 2023 16:51

Tgt Ion:240 Resp: 143978  
Ion Ratio Lower Upper  
240 100  
120 10.2 8.1 12.1  
236 24.7 20.5 30.7







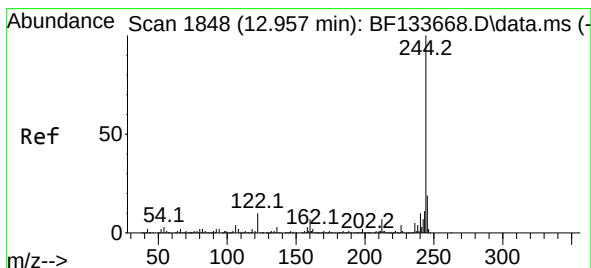
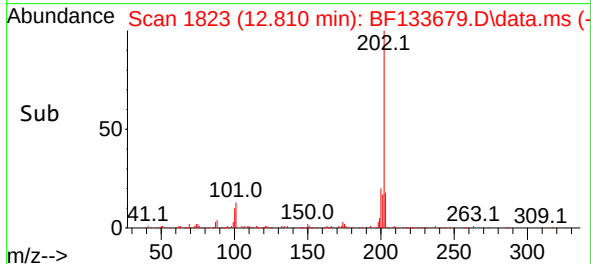
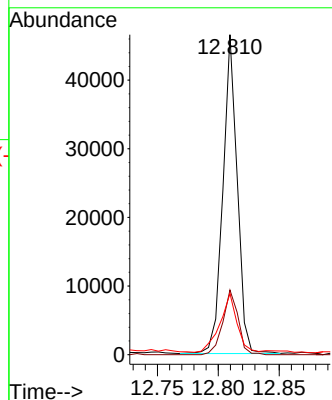
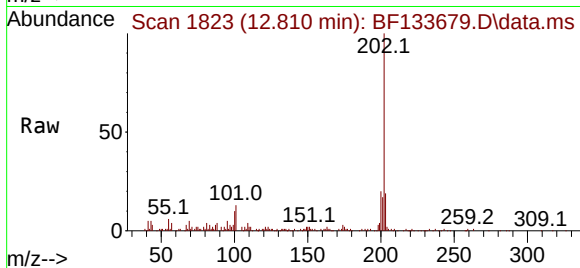
#78  
Pyrene  
Concen: 2.851 ng  
RT: 12.810 min Scan# 1823  
Delta R.T. -0.006 min  
Lab File: BF133679.D  
Acq: 09 Jun 2023 16:51

Instrument :  
BNA\_F  
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WC-1

Tgt Ion:202 Resp: 38239  
Ion Ratio Lower Upper  
202 100  
200 20.2 16.2 24.2  
203 19.1 13.9 20.9

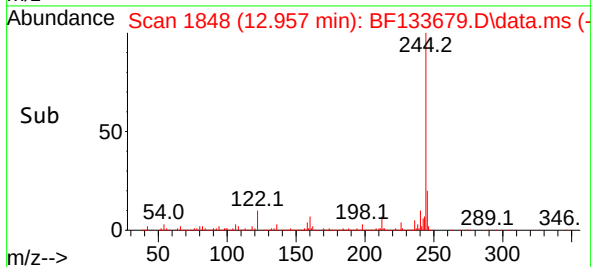
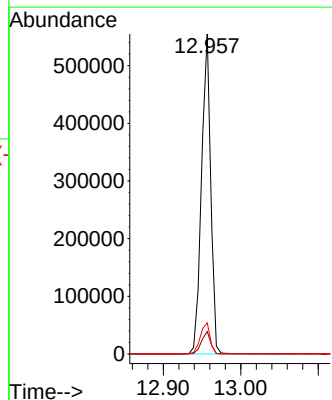
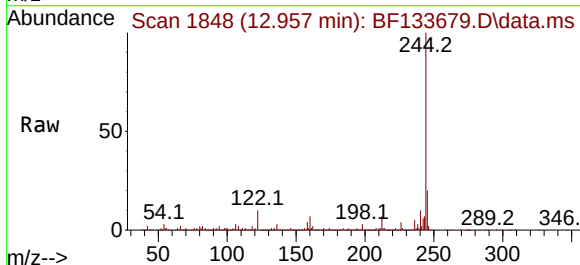
Manual Integrations  
APPROVED

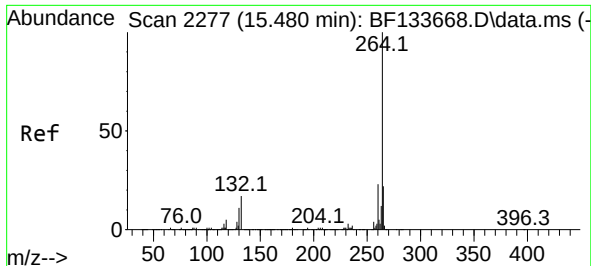
Reviewed By :Yogesh Patel 06/13/2023  
Supervised By :mohammad ahmed 06/13/2023



#79  
Terphenyl-d14  
Concen: 49.191 ng  
RT: 12.957 min Scan# 1848  
Delta R.T. -0.000 min  
Lab File: BF133679.D  
Acq: 09 Jun 2023 16:51

Tgt Ion:244 Resp: 457716  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.4 8.2  
122 9.7 8.1 12.1





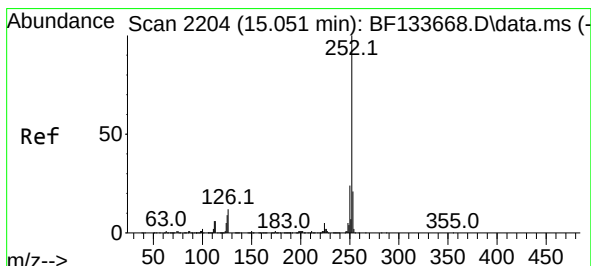
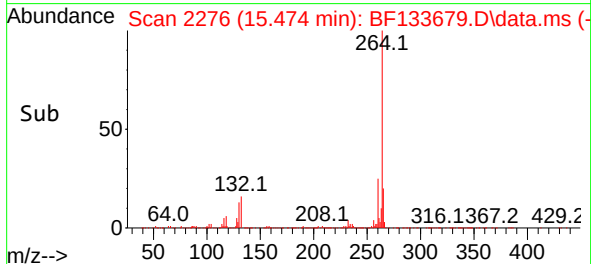
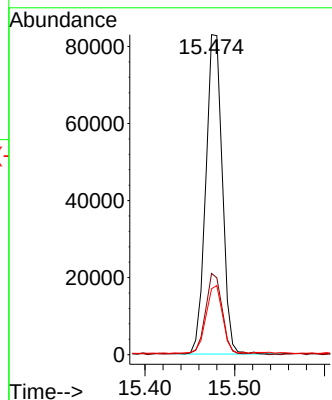
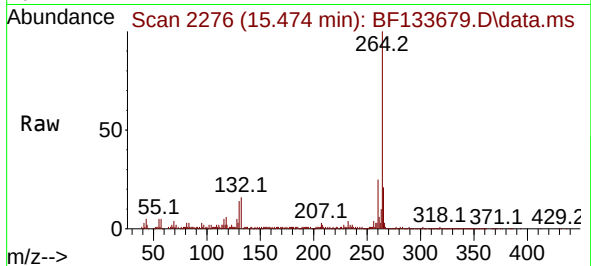
#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.474 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF133679.D  
Acq: 09 Jun 2023 16:51

Instrument :  
BNA\_F  
ClientSampleId :  
WC-1

Tgt Ion:264 Resp: 10582  
Ion Ratio Lower Upper  
264 100  
260 25.4 18.2 27.2  
265 20.6 17.8 26.6

Manual Integrations  
APPROVED

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Supervised By :mohammad ahmed 06/13/2023



#88  
Benzo(b)fluoranthene  
Concen: 2.650 ng m  
RT: 15.051 min Scan# 2204  
Delta R.T. -0.000 min  
Lab File: BF133679.D  
Acq: 09 Jun 2023 16:51

Tgt Ion:252 Resp: 17032  
Ion Ratio Lower Upper  
252 100  
253 24.1 17.0 25.6  
125 17.3 7.3 10.9#

