

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071124\  
 Data File : BF138533.D  
 Acq On : 11 Jul 2024 20:21  
 Operator : CG\JU  
 Sample : P3187-05  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-2

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 07/12/2024  
 Supervised By :mohammad ahmed 07/13/2024

Quant Time: Jul 12 01:14:16 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF070924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 09 16:58:40 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.863  | 152  | 84640    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.145  | 136  | 329907   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.898  | 164  | 176605   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.380 | 188  | 252020   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.015 | 240  | 150582   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12            | 15.480 | 264  | 175035   | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.493  | 112  | 491067   | 91.887 | ng    | 0.00     |
| 7) Phenol-d6                | 6.498  | 99   | 655401   | 92.187 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.422  | 82   | 428171   | 63.722 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.686 | 330  | 136502   | 82.701 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.216  | 172  | 753275   | 66.663 | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.969 | 244  | 550627   | 59.571 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 11.404 | 178  | 215638   | 16.936 | ng    | 99       |
| 72) Anthracene              | 11.457 | 178  | 70817    | 5.603  | ng    | 98       |
| 75) Fluoranthene            | 12.592 | 202  | 289408   | 22.276 | ng    | 98       |
| 78) Pyrene                  | 12.821 | 202  | 240463   | 15.731 | ng    | 99       |
| 81) Benzo(a)anthracene      | 14.004 | 228  | 125372   | 12.408 | ng    | 100      |
| 83) Chrysene                | 14.045 | 228  | 105990   | 11.089 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene  | 16.939 | 276  | 42806    | 3.641  | ng    | 96       |
| 88) Benzo(b)fluoranthene    | 15.051 | 252  | 127519m  | 12.936 | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.080 | 252  | 51566m   | 5.364  | ng    |          |
| 90) Benzo(a)pyrene          | 15.415 | 252  | 96712    | 11.168 | ng    | 99       |
| 92) Benzo(g,h,i)perylene    | 17.380 | 276  | 37112    | 3.639  | ng    | # 91     |
| -----                       |        |      |          |        |       |          |

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

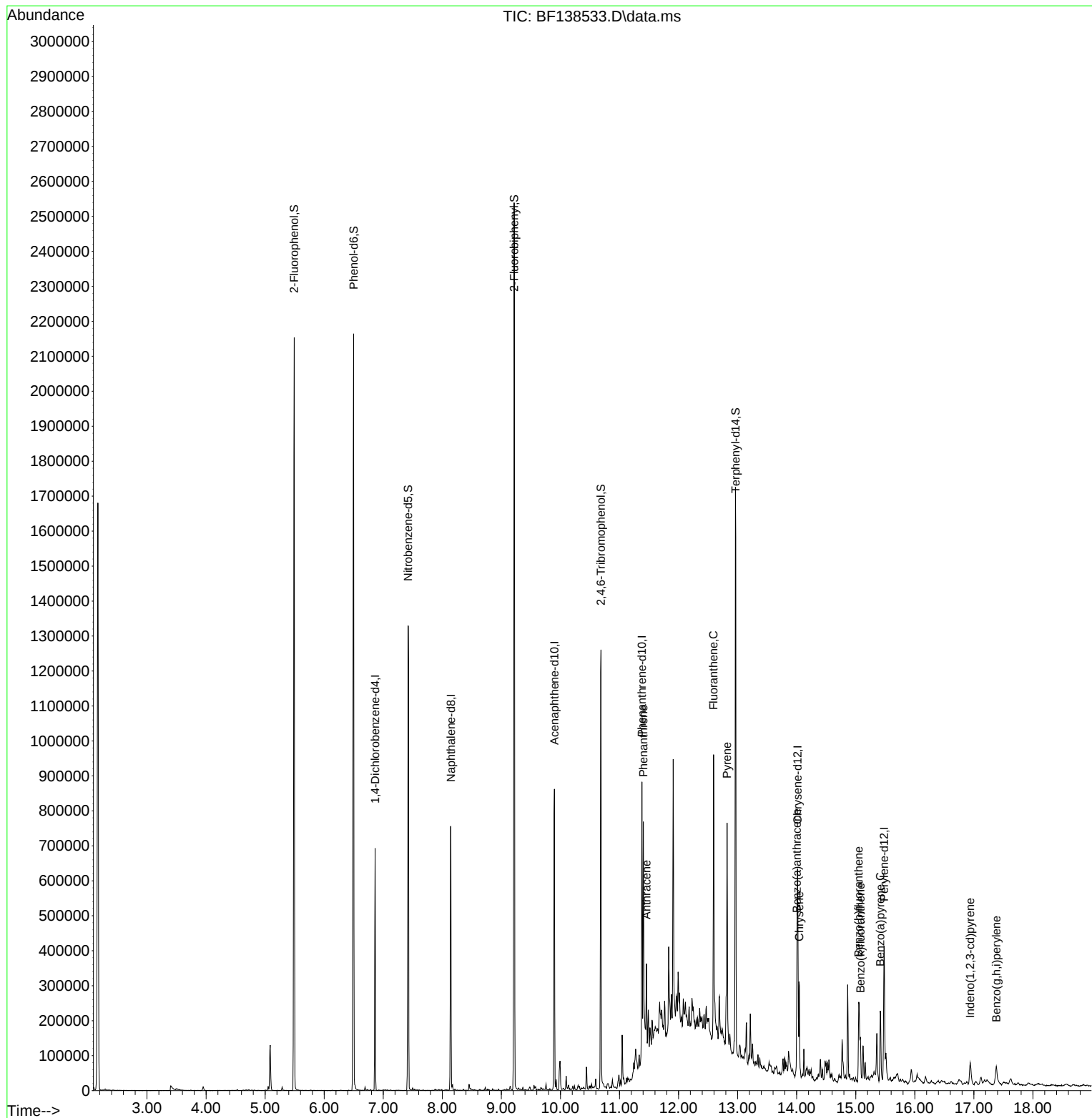
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071124\  
Data File : BF138533.D  
Acq On : 11 Jul 2024 20:21  
Operator : CG\JU  
Sample : P3187-05  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

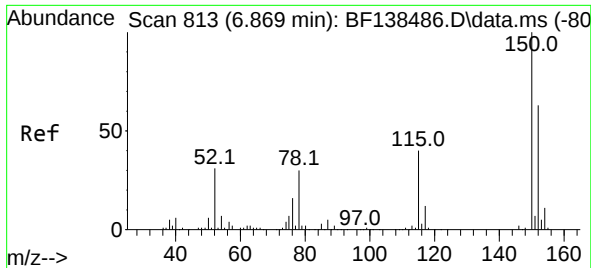
Instrument :  
BNA\_F  
ClientSampleId :  
WC-2

Manual Integrations  
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Supervised By :mohammad ahmed 07/13/2024

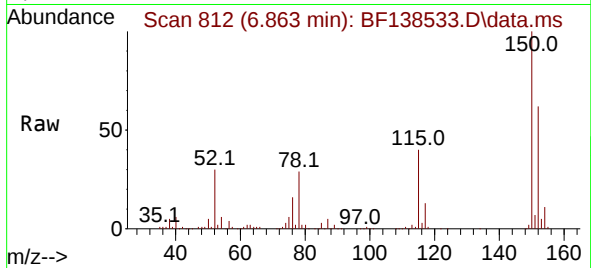
Quant Time: Jul 12 01:14:16 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF070924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 09 16:58:40 2024  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.863 min Scan# 813  
Delta R.T. -0.006 min  
Lab File: BF138533.D  
Acq: 11 Jul 2024 20:21

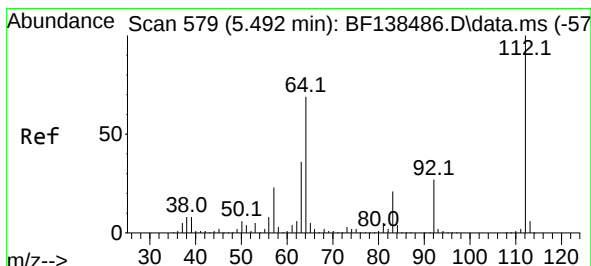
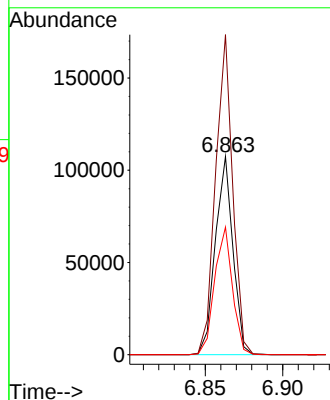
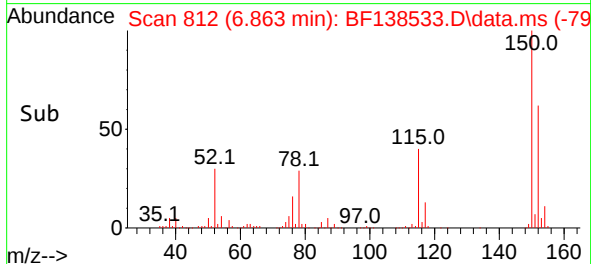
Instrument :  
BNA\_F  
ClientSampleId :  
WC-2



Tgt Ion:152 Resp: 84640  
Ion Ratio Lower Upper  
152 100  
150 161.5 126.2 189.4  
115 64.3 50.3 75.5

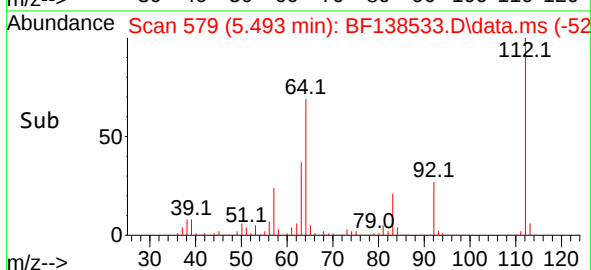
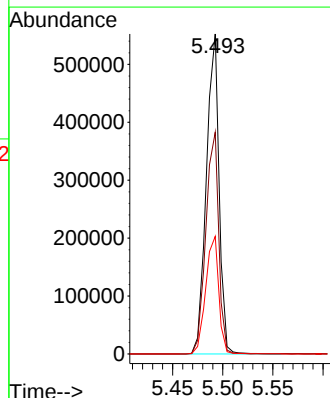
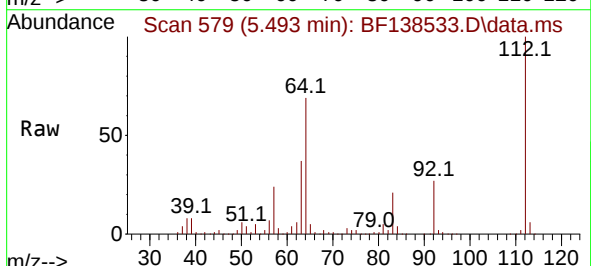
Manual Integrations  
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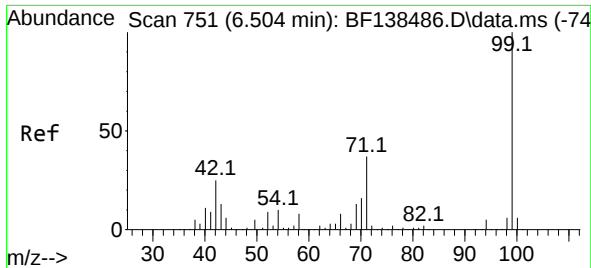
Reviewed By :Jagrut Upadhyay 07/12/2024  
Supervised By :mohammad ahmed 07/13/2024



#5  
2-Fluorophenol  
Concen: 91.887 ng  
RT: 5.493 min Scan# 579  
Delta R.T. 0.000 min  
Lab File: BF138533.D  
Acq: 11 Jul 2024 20:21

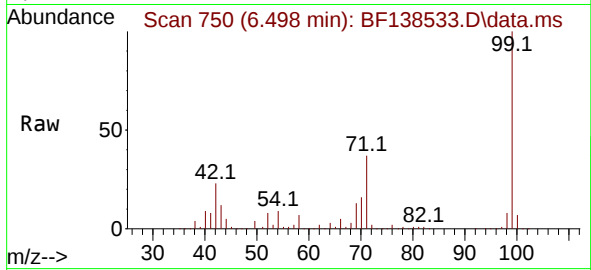
Tgt Ion:112 Resp: 491067  
Ion Ratio Lower Upper  
112 100  
64 69.3 55.1 82.7  
63 36.8 29.0 43.6





#7  
Phenol-d6  
Concen: 92.187 ng  
RT: 6.498 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF138533.D  
Acq: 11 Jul 2024 20:21

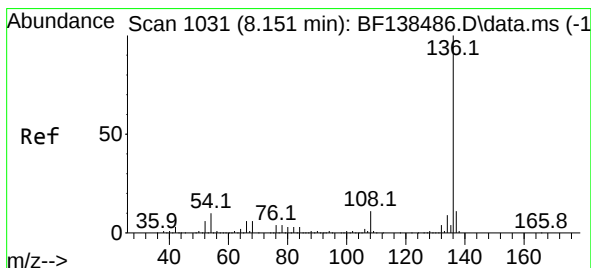
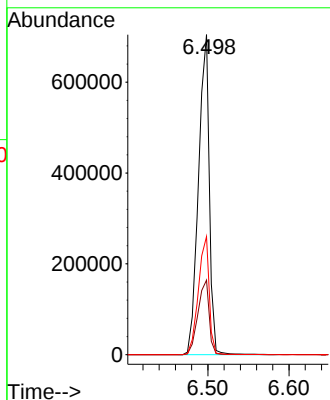
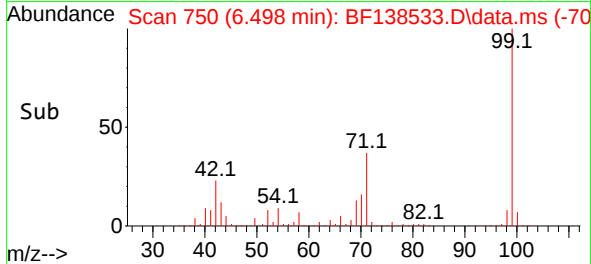
Instrument :  
BNA\_F  
ClientSampleId :  
WC-2



Tgt Ion: 99 Resp: 65540  
Ion Ratio Lower Upper  
99 100  
42 23.3 19.7 29.5  
71 36.9 29.9 44.9

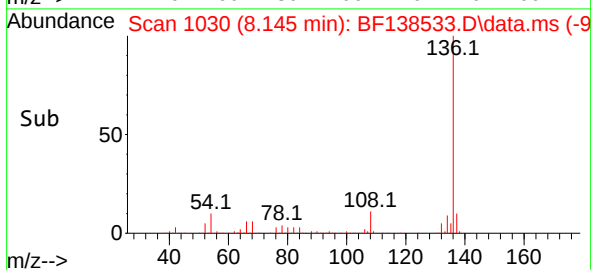
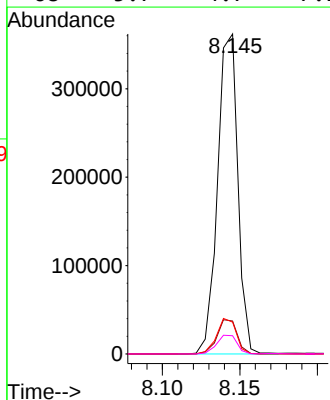
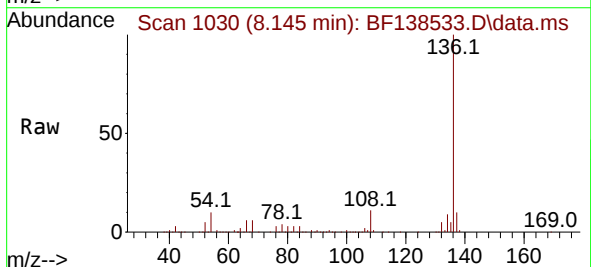
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Supervised By :mohammad ahmed 07/13/2024



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.145 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF138533.D  
Acq: 11 Jul 2024 20:21

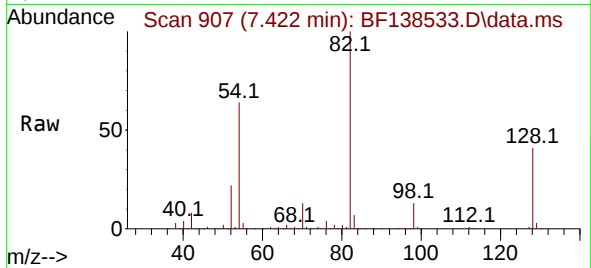
Tgt Ion:136 Resp: 329907  
Ion Ratio Lower Upper  
136 100  
137 10.3 8.5 12.7  
54 9.9 8.1 12.1  
68 5.7 4.7 7.1





#23  
Nitrobenzene-d5  
Concen: 63.722 ng  
RT: 7.422 min Scan# 909  
Delta R.T. -0.012 min  
Lab File: BF138533.D  
Acq: 11 Jul 2024 20:21

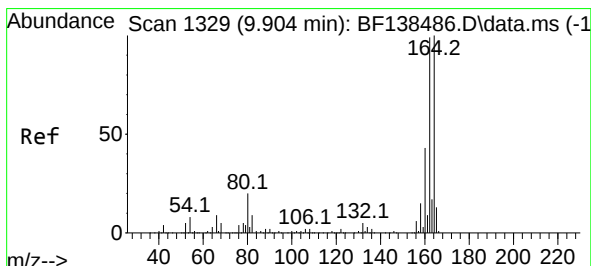
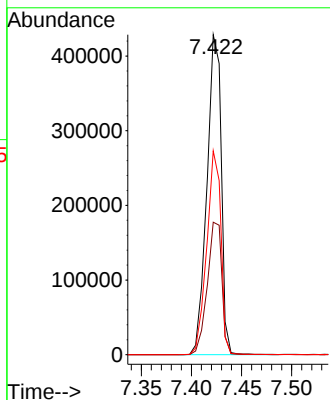
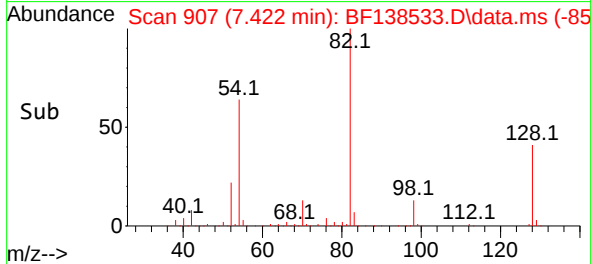
Instrument :  
BNA\_F  
ClientSampleId :  
WC-2



Tgt Ion: 82 Resp: 42817  
Ion Ratio Lower Upper  
82 100  
128 41.4 32.3 48.5  
54 63.7 51.4 77.0

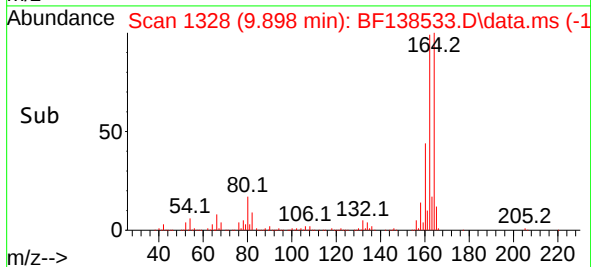
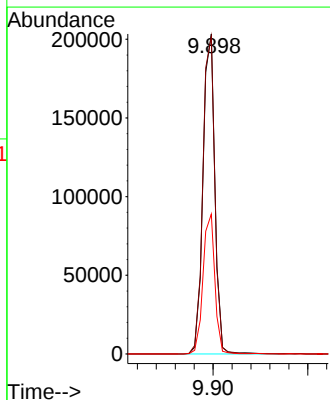
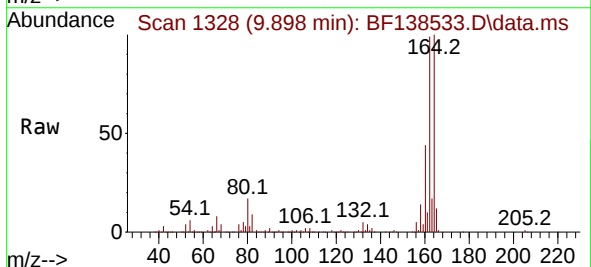
Manual Integrations  
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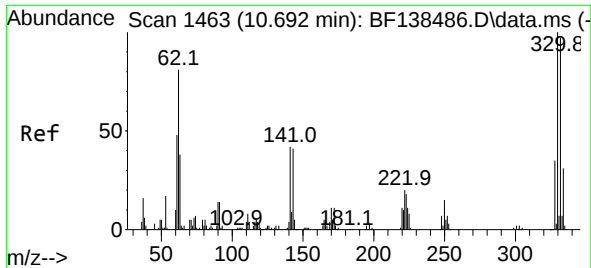
Reviewed By :Jagrut Upadhyay 07/12/2024  
Supervised By :mohammad ahmed 07/13/2024



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.898 min Scan# 1328  
Delta R.T. -0.006 min  
Lab File: BF138533.D  
Acq: 11 Jul 2024 20:21

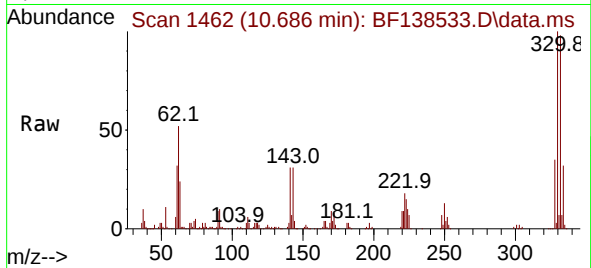
Tgt Ion:164 Resp: 176605  
Ion Ratio Lower Upper  
164 100  
162 99.2 79.0 118.6  
160 43.7 34.4 51.6





#42  
2,4,6-Tribromophenol  
Concen: 82.701 ng  
RT: 10.686 min Scan# 1462  
Delta R.T. -0.006 min  
Lab File: BF138533.D  
Acq: 11 Jul 2024 20:21

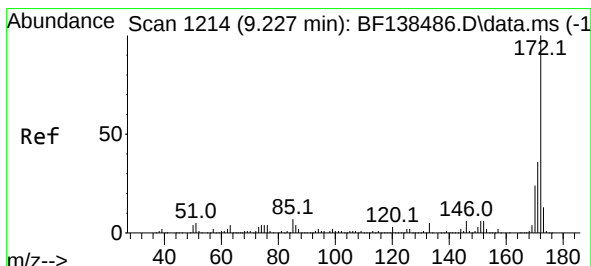
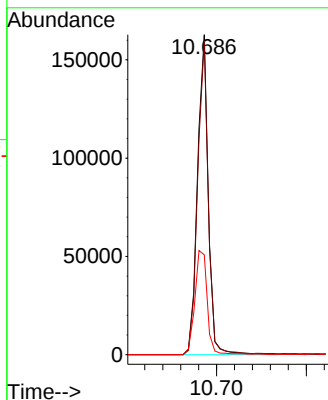
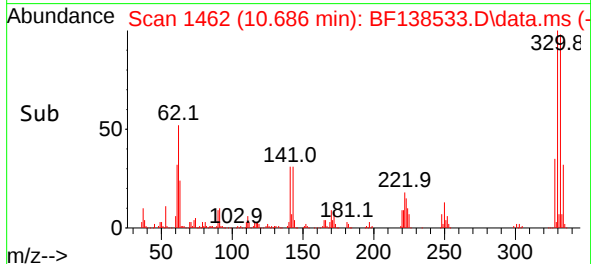
Instrument :  
BNA\_F  
ClientSampleId :  
WC-2



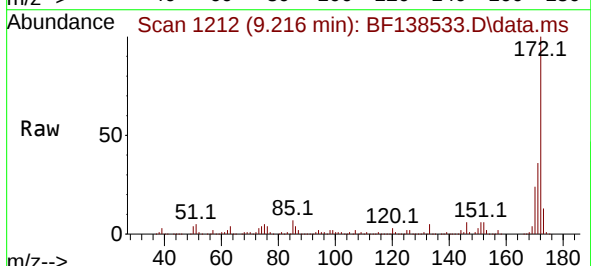
Tgt Ion: 330 Resp: 13650  
Ion Ratio Lower Upper  
330 100  
332 97.1 76.8 115.2  
141 37.4 29.4 44.2

Manual Integrations  
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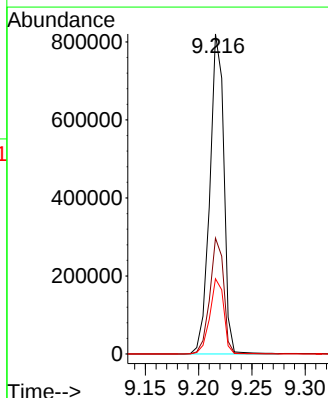
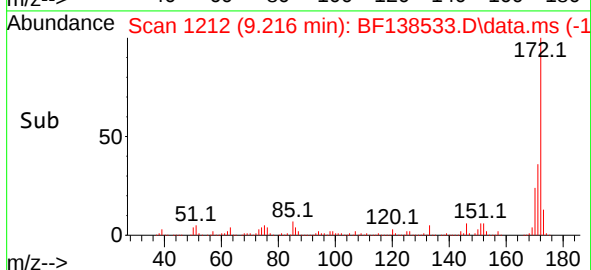
Reviewed By :Jagrut Upadhyay 07/12/2024  
Supervised By :mohammad ahmed 07/13/2024

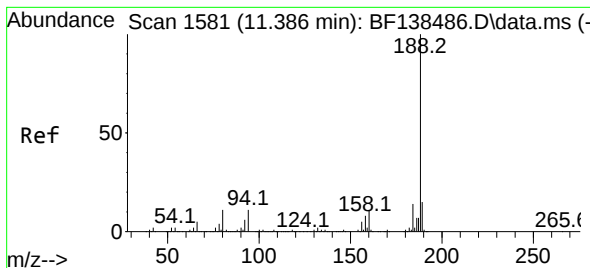


#45  
2-Fluorobiphenyl  
Concen: 66.663 ng  
RT: 9.216 min Scan# 1212  
Delta R.T. -0.012 min  
Lab File: BF138533.D  
Acq: 11 Jul 2024 20:21



Tgt Ion: 172 Resp: 753275  
Ion Ratio Lower Upper  
172 100  
171 36.2 28.9 43.3  
170 23.5 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138533.D

Acq: 11 Jul 2024 20:21

Instrument :

BNA\_F

ClientSampleId :

WC-2

Tgt Ion:188 Resp: 252020

Ion Ratio Lower Upper

188 100

94 9.2 8.7 13.1

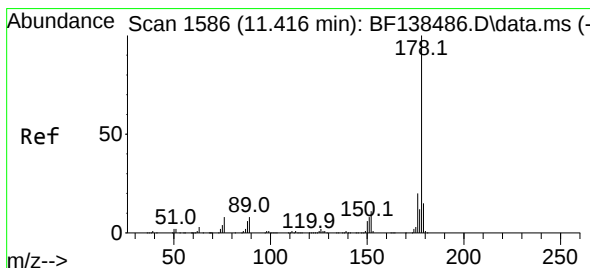
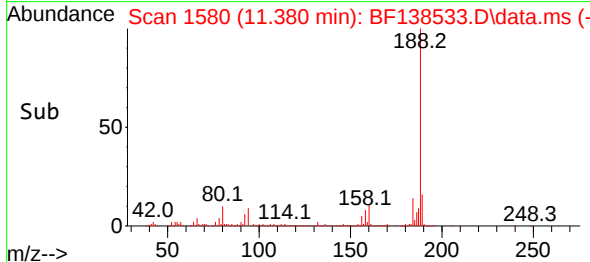
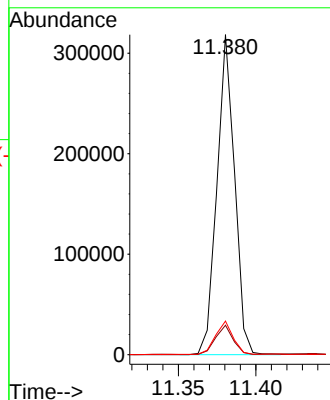
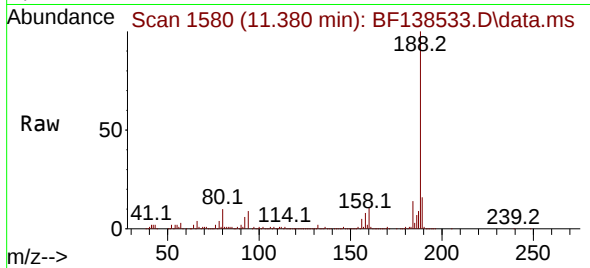
80 10.5 9.0 13.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/12/2024

Supervised By :mohammad ahmed 07/13/2024



#71

Phenanthrene

Concen: 16.936 ng

RT: 11.404 min Scan# 1584

Delta R.T. -0.012 min

Lab File: BF138533.D

Acq: 11 Jul 2024 20:21

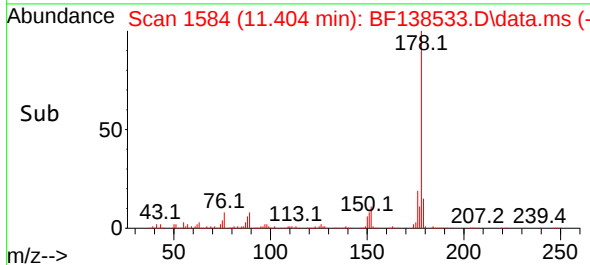
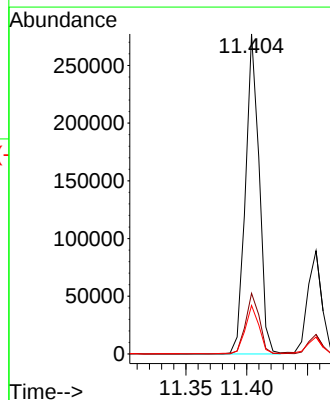
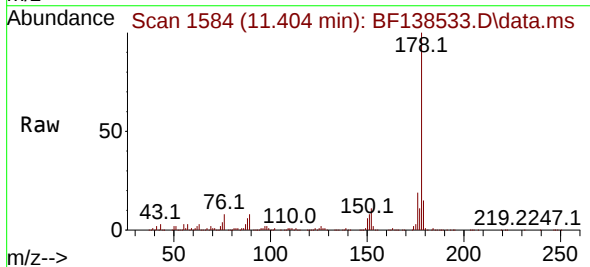
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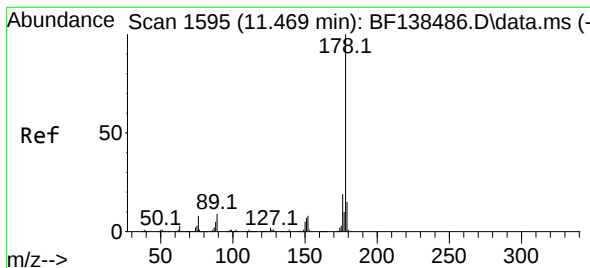
Ion Ratio Lower Upper

178 100

176 19.0 15.7 23.5

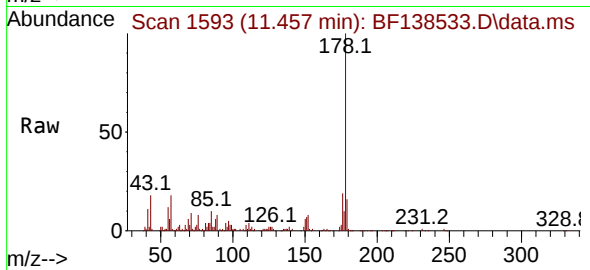
179 15.2 12.2 18.2





#72  
 Anthracene  
 Concen: 5.603 ng  
 RT: 11.457 min Scan# 11457  
 Delta R.T. -0.012 min  
 Lab File: BF138533.D  
 Acq: 11 Jul 2024 20:21

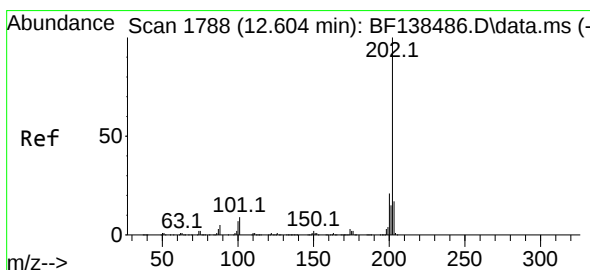
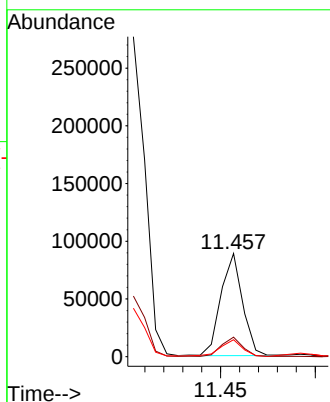
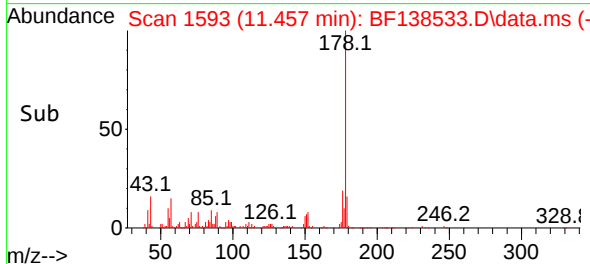
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-2



Tgt Ion:178 Resp: 7081  
 Ion Ratio Lower Upper  
 178 100  
 176 19.0 14.8 22.2  
 179 16.5 12.2 18.4

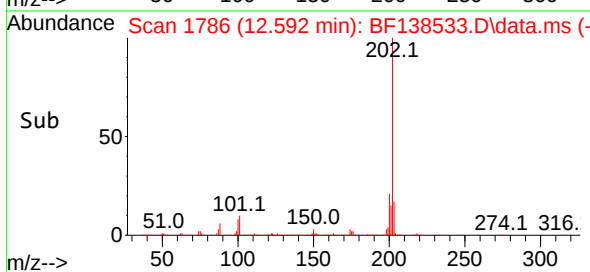
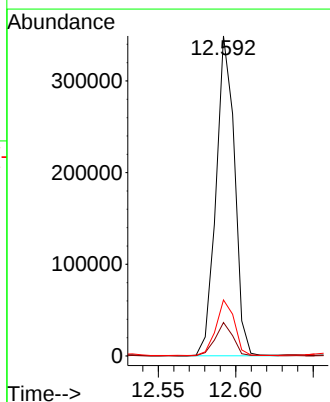
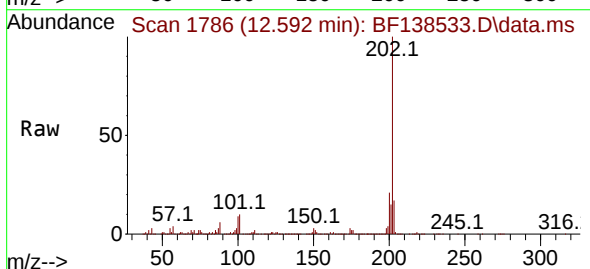
Manual Integrations  
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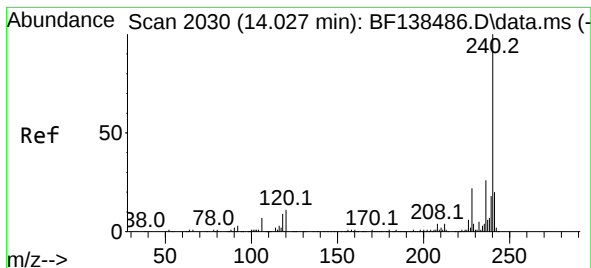
Reviewed By :Jagrut Upadhyay 07/12/2024  
 Supervised By :mohammad ahmed 07/13/2024



#75  
 Fluoranthene  
 Concen: 22.276 ng  
 RT: 12.592 min Scan# 1786  
 Delta R.T. -0.012 min  
 Lab File: BF138533.D  
 Acq: 11 Jul 2024 20:21

Tgt Ion:202 Resp: 289408  
 Ion Ratio Lower Upper  
 202 100  
 101 10.5 0.0 29.2  
 203 17.5 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF138533.D

Acq: 11 Jul 2024 20:21

Instrument :

BNA\_F

ClientSampleId :

WC-2

Tgt Ion:240 Resp: 15058

Ion Ratio Lower Upper

240 100

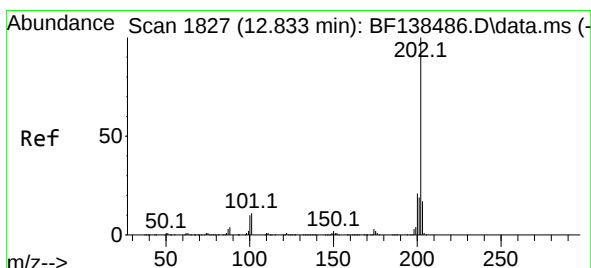
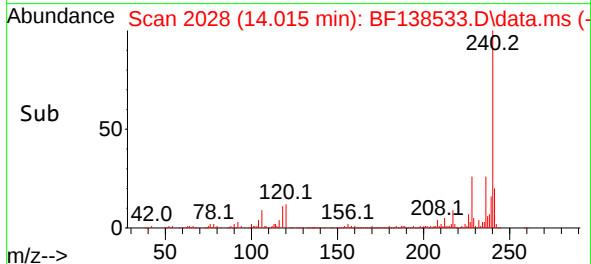
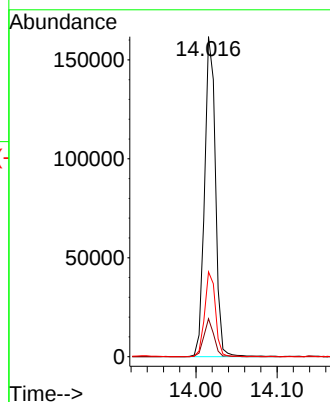
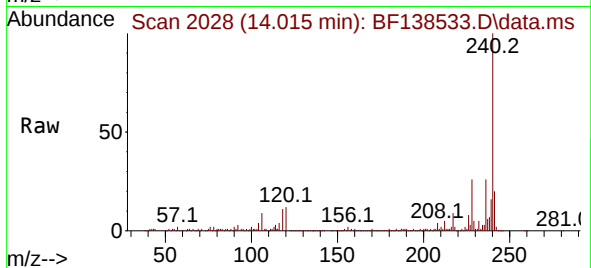
120 11.9 8.6 12.8

236 26.5 21.0 31.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 07/12/2024  
Supervised By :mohammad ahmed 07/13/2024



#78

Pyrene

Concen: 15.731 ng

RT: 12.821 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF138533.D

Acq: 11 Jul 2024 20:21

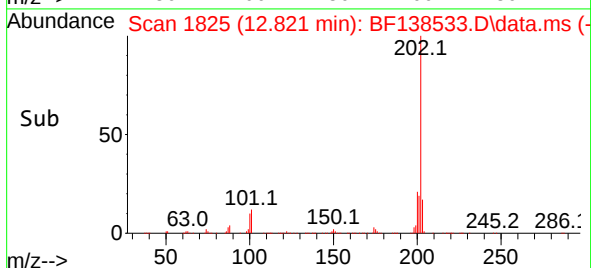
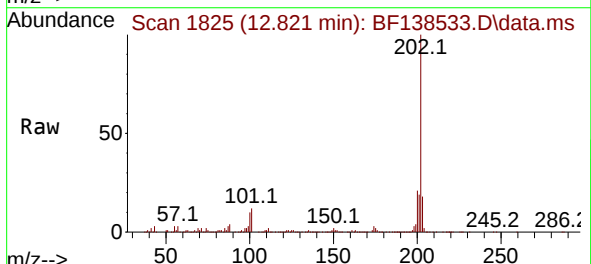
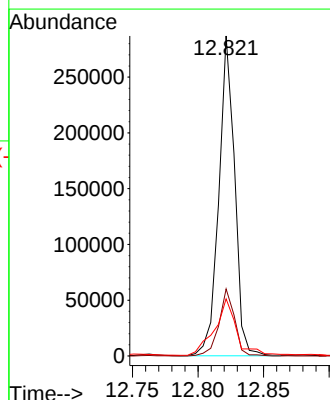
Tgt Ion:202 Resp: 240463

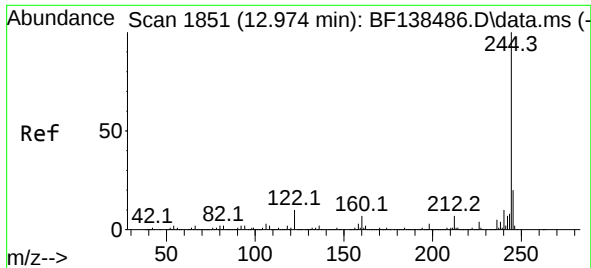
Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.6

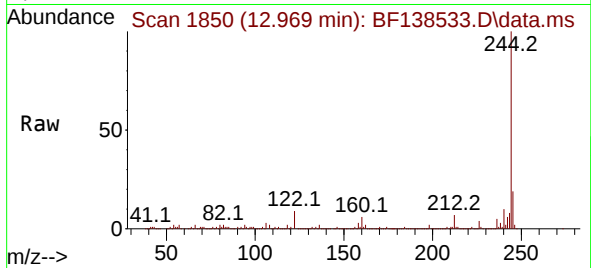
203 17.9 13.7 20.5





#79  
 Terphenyl-d14  
 Concen: 59.571 ng  
 RT: 12.969 min Scan# 1850  
 Delta R.T. -0.006 min  
 Lab File: BF138533.D  
 Acq: 11 Jul 2024 20:21

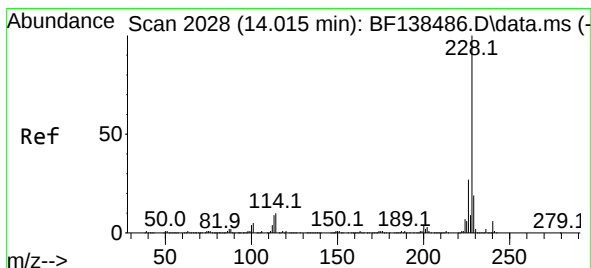
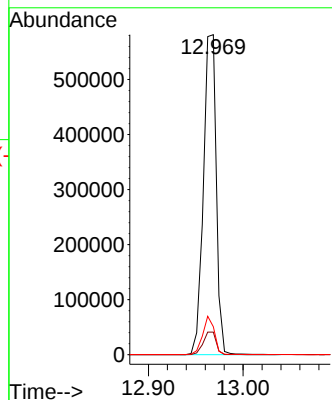
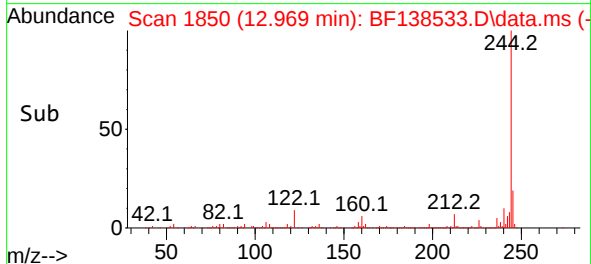
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-2



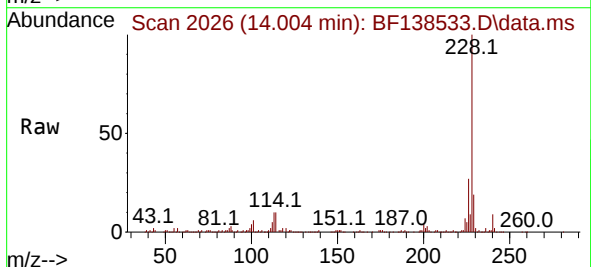
Tgt Ion:244 Resp: 550627  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.5 8.3  
 122 8.7 7.8 11.8

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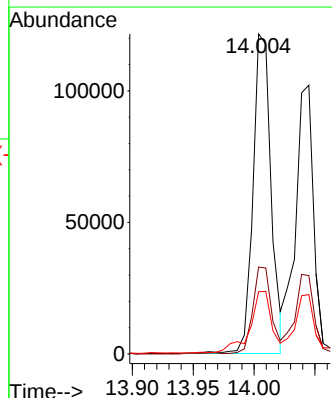
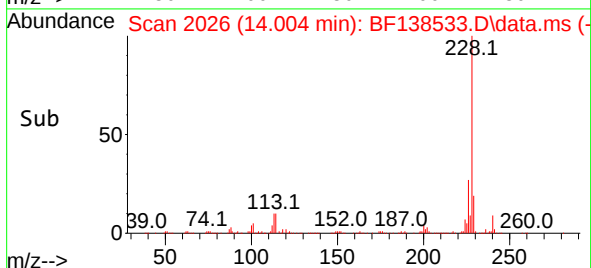
Reviewed By :Jagrut Upadhyay 07/12/2024  
 Supervised By :mohammad ahmed 07/13/2024

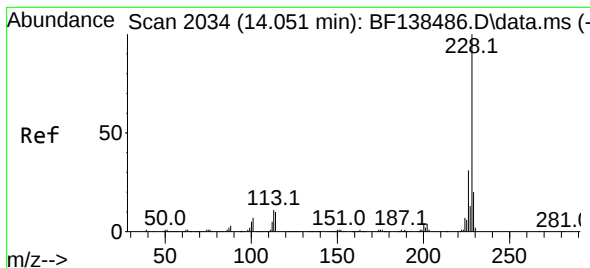


#81  
 Benzo(a)anthracene  
 Concen: 12.408 ng  
 RT: 14.004 min Scan# 2026  
 Delta R.T. -0.012 min  
 Lab File: BF138533.D  
 Acq: 11 Jul 2024 20:21



Tgt Ion:228 Resp: 125372  
 Ion Ratio Lower Upper  
 228 100  
 226 27.2 21.9 32.9  
 229 19.5 15.5 23.3





#83

Chrysene

Concen: 11.089 ng

RT: 14.045 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138533.D

Acq: 11 Jul 2024 20:21

Instrument :

BNA\_F

ClientSampleId :

WC-2

Tgt Ion:228 Resp: 105990

Ion Ratio Lower Upper

228 100

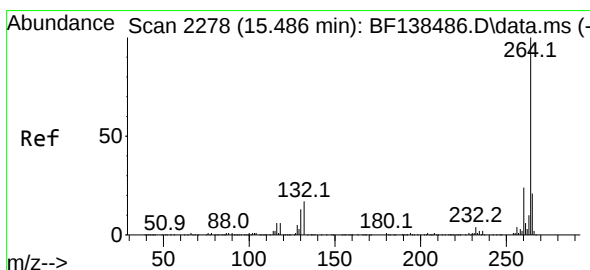
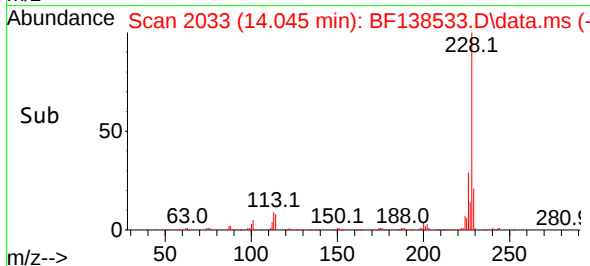
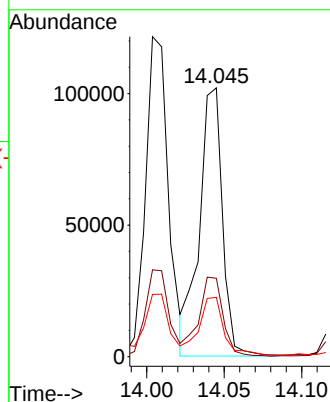
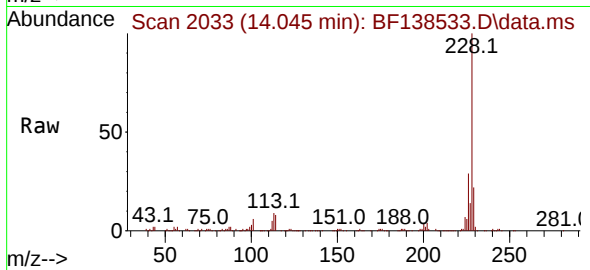
226 29.2 24.4 36.6

229 22.1 16.0 24.0

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#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 2277

Delta R.T. -0.006 min

Lab File: BF138533.D

Acq: 11 Jul 2024 20:21

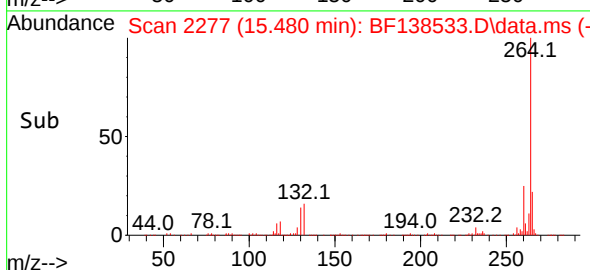
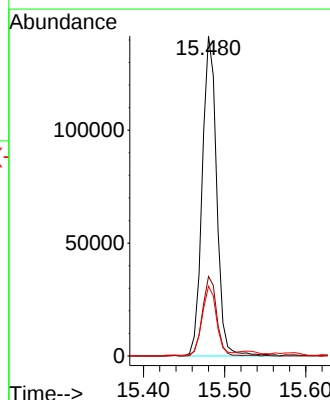
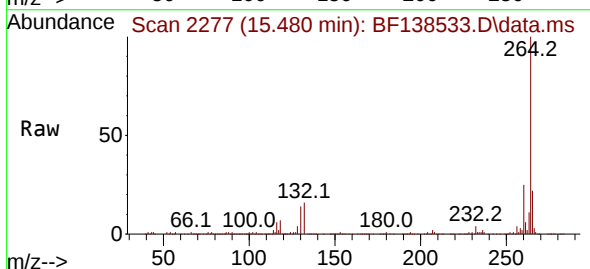
Tgt Ion:264 Resp: 175035

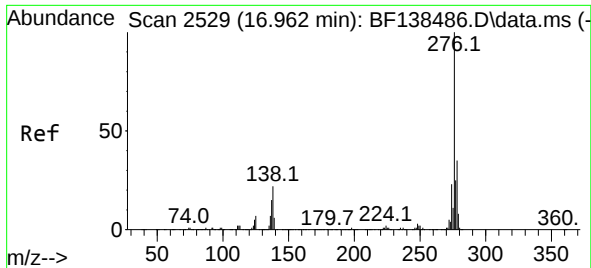
Ion Ratio Lower Upper

264 100

260 24.9 19.0 28.6

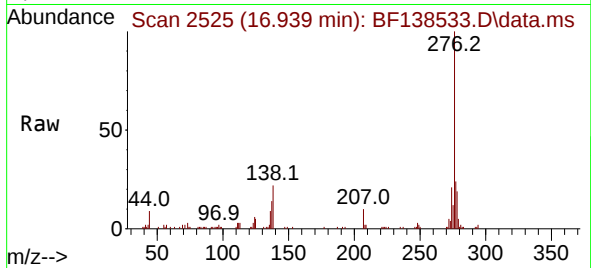
265 21.8 17.0 25.4





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 3.641 ng  
RT: 16.939 min Scan# 21  
Delta R.T. -0.023 min  
Lab File: BF138533.D  
Acq: 11 Jul 2024 20:21

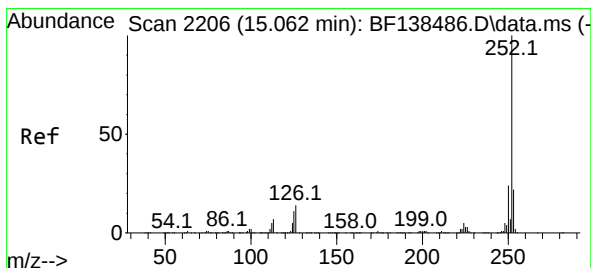
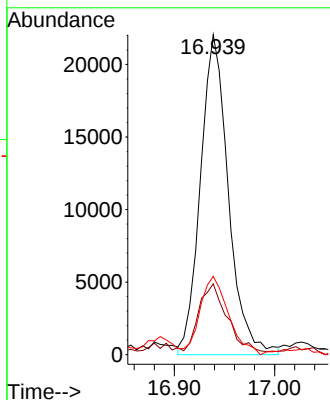
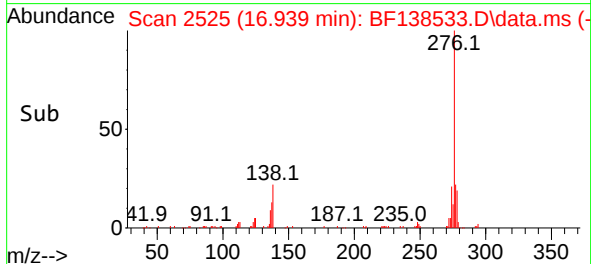
Instrument :  
BNA\_F  
ClientSampleId :  
WC-2



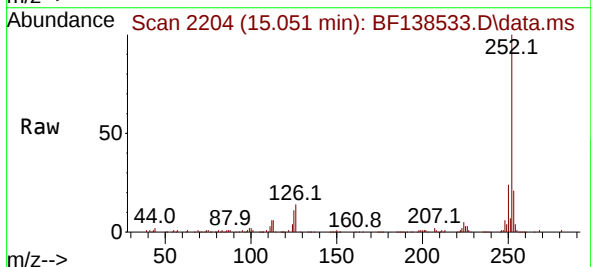
Tgt Ion:276 Resp: 42800  
Ion Ratio Lower Upper  
276 100  
138 21.7 19.6 29.4  
277 24.7 20.5 30.7

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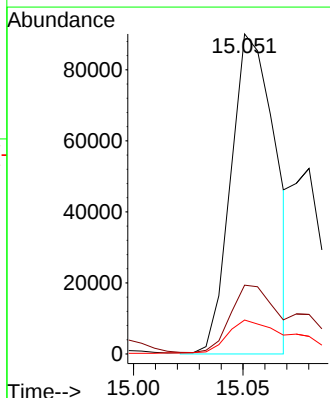
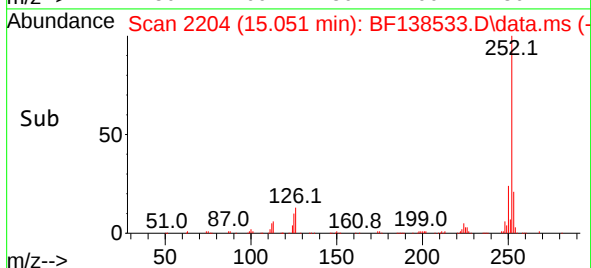
Reviewed By :Jagrut Upadhyay 07/12/2024  
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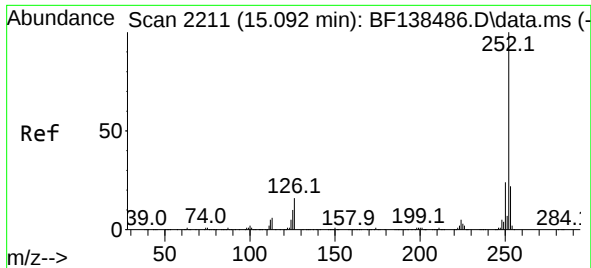


#88  
Benzo(b)fluoranthene  
Concen: 12.936 ng m  
RT: 15.051 min Scan# 2204  
Delta R.T. -0.012 min  
Lab File: BF138533.D  
Acq: 11 Jul 2024 20:21



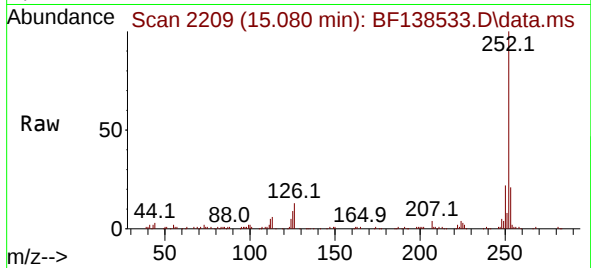
Tgt Ion:252 Resp: 127519  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.3 25.9  
125 10.6 8.6 13.0





#89  
Benzo(k)fluoranthene  
Concen: 5.364 ng m  
RT: 15.080 min Scan# 211  
Delta R.T. -0.012 min  
Lab File: BF138533.D  
Acq: 11 Jul 2024 20:21

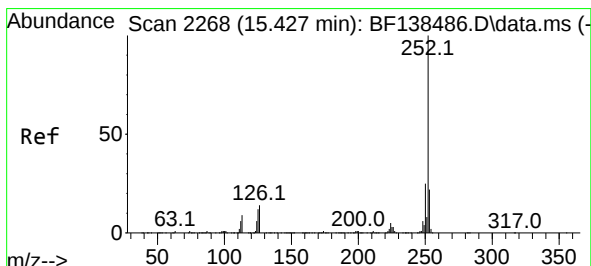
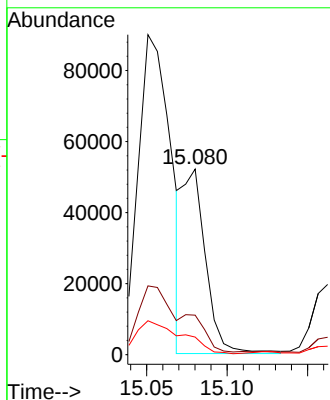
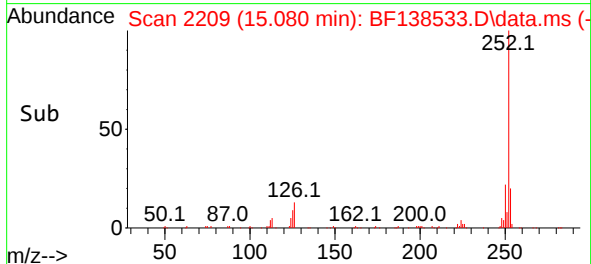
Instrument :  
BNA\_F  
ClientSampleId :  
WC-2



Tgt Ion:252 Resp: 51560  
Ion Ratio Lower Upper  
252 100  
253 21.3 17.7 26.5  
125 9.4 8.1 12.1

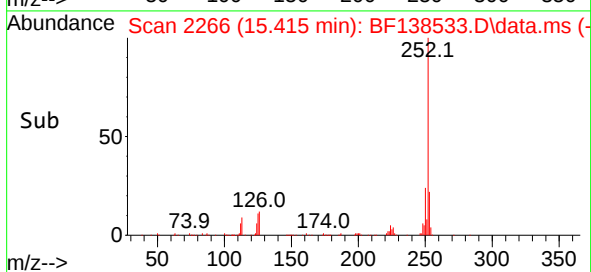
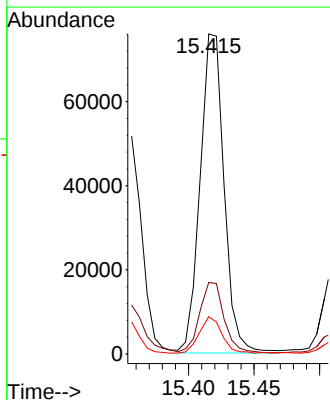
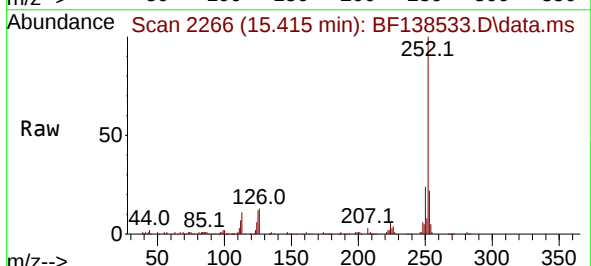
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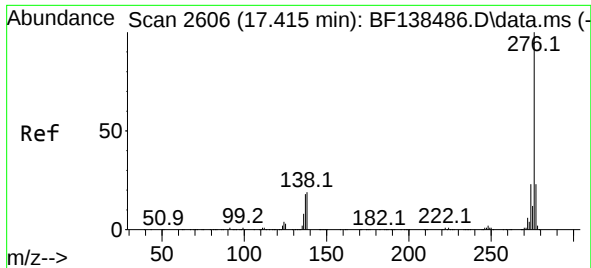
Reviewed By :Jagrut Upadhyay 07/12/2024  
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#90  
Benzo(a)pyrene  
Concen: 11.168 ng  
RT: 15.415 min Scan# 2266  
Delta R.T. -0.012 min  
Lab File: BF138533.D  
Acq: 11 Jul 2024 20:21

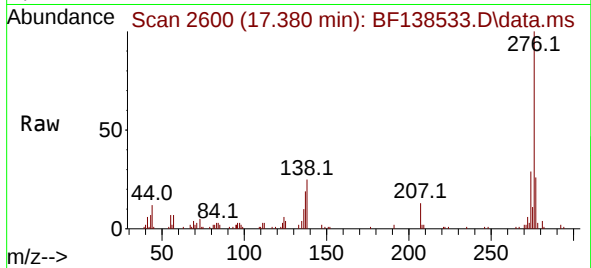
Tgt Ion:252 Resp: 96712  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.4 26.0  
125 11.6 9.4 14.2





#92  
Benzo(g,h,i)perylene  
Concen: 3.639 ng  
RT: 17.380 min Scan# 20  
Delta R.T. -0.035 min  
Lab File: BF138533.D  
Acq: 11 Jul 2024 20:21

Instrument :  
BNA\_F  
ClientSampleId :  
WC-2



Tgt Ion:276 Resp: 37112  
Ion Ratio Lower Upper  
276 100  
277 25.8 18.0 27.0  
138 24.9 15.5 23.3

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