

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071224\  
 Data File : BF138550.D  
 Acq On : 12 Jul 2024 17:04  
 Operator : CG\JU  
 Sample : P3208-05  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CONC-PADS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/13/2024  
 Supervised By :mohammad ahmed 07/19/2024

Quant Time: Jul 12 18:30:01 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  | 80848    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.145  | 136  | 320552   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.898  | 164  | 169914   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.380 | 188  | 242387   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.016 | 240  | 151280   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12            | 15.480 | 264  | 139969   | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.493  | 112  | 384925   | 75.404 | ng    | 0.00     |
| 7) Phenol-d6                | 6.498  | 99   | 560954   | 82.603 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.428  | 82   | 424459   | 65.013 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.686 | 330  | 98899    | 62.278 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.222  | 172  | 780008   | 71.747 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.963 | 244  | 553136   | 59.567 | ng    | -0.01    |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 11.404 | 178  | 24731    | 2.020  | ng    | 96       |
| 75) Fluoranthene            | 12.592 | 202  | 35008    | 2.802  | ng    | 96       |
| 88) Benzo(b)fluoranthene    | 15.051 | 252  | 17416m   | 2.209  | ng    |          |
| -----                       |        |      |          |        |       |          |

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

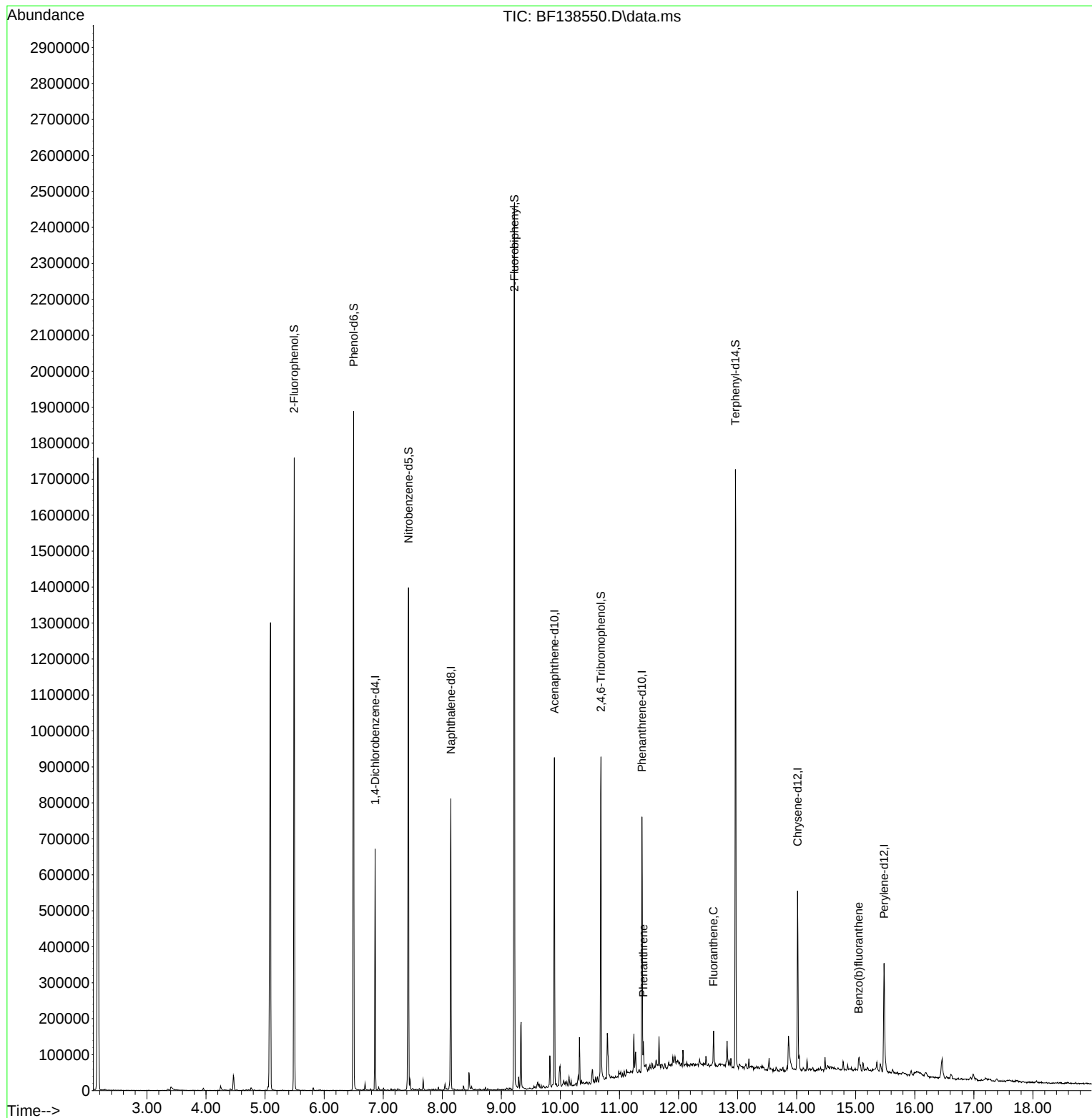
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071224\  
Data File : BF138550.D  
Acq On : 12 Jul 2024 17:04  
Operator : CG\JU  
Sample : P3208-05  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

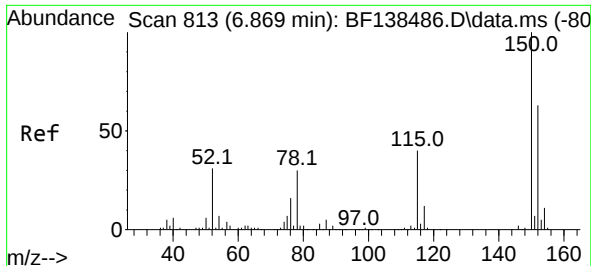
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-PADS

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/13/2024  
Supervised By :mohammad ahmed 07/19/2024

Quant Time: Jul 12 18:30:01 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: BF138550.D  
Acq: 12 Jul 2024 17:04

Instrument :

BNA\_F

ClientSampleId :

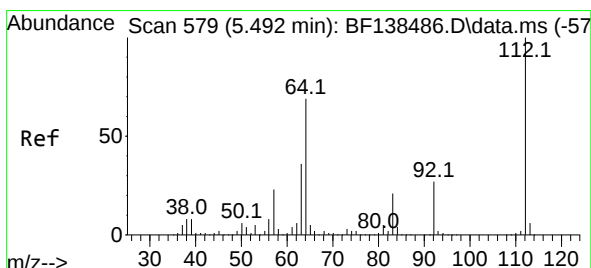
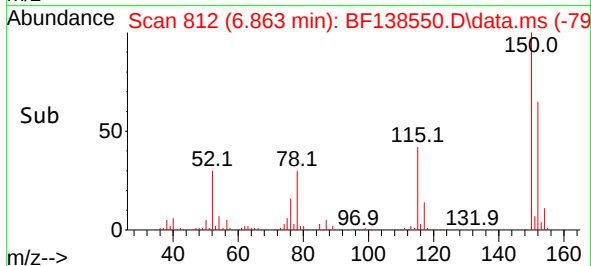
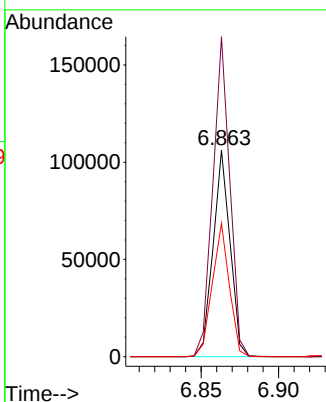
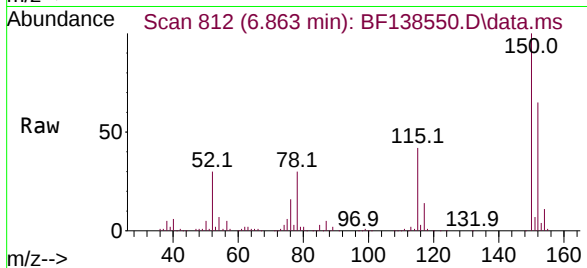
CONC-PADS

Tgt Ion:152 Resp: 80848  
Ion Ratio Lower Upper  
152 100  
150 154.9 126.2 189.4  
115 64.6 50.3 75.5

Manual Integrations

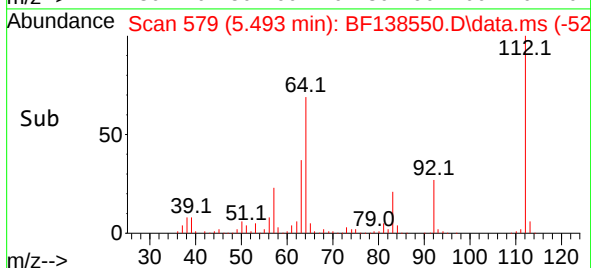
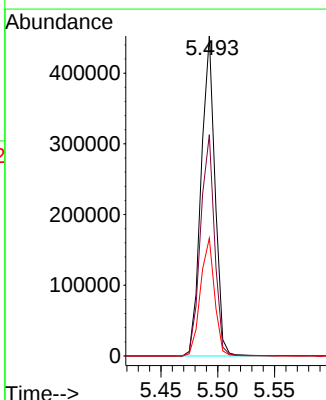
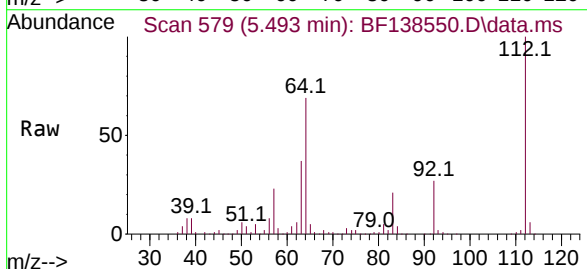
APPROVED

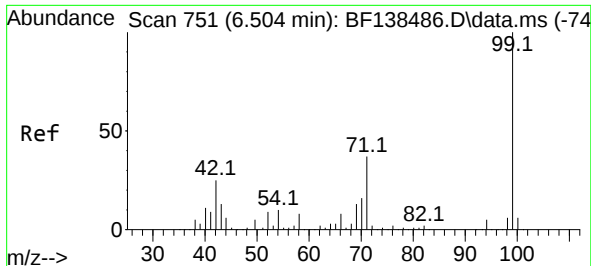
Reviewed By :Yogesh Patel 07/13/2024  
Supervised By :mohammad ahmed 07/19/2024



#5  
2-Fluorophenol  
Concen: 75.404 ng  
RT: 5.493 min Scan# 579  
Delta R.T. 0.000 min  
Lab File: BF138550.D  
Acq: 12 Jul 2024 17:04

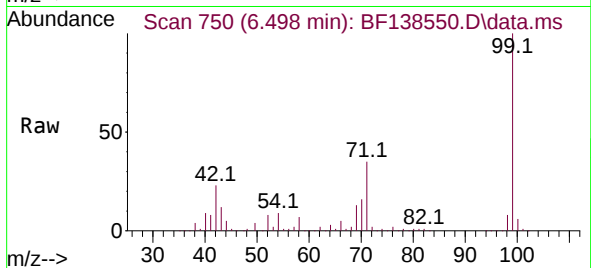
Tgt Ion:112 Resp: 384925  
Ion Ratio Lower Upper  
112 100  
64 69.2 55.1 82.7  
63 36.8 29.0 43.6





#7  
Phenol-d6  
Concen: 82.603 ng  
RT: 6.498 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF138550.D  
Acq: 12 Jul 2024 17:04

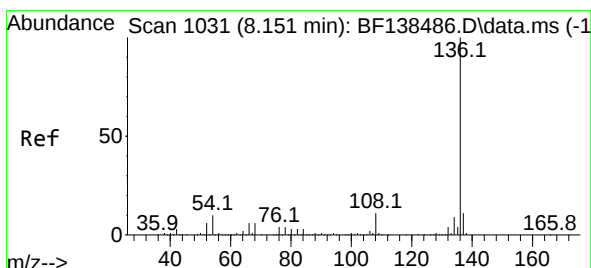
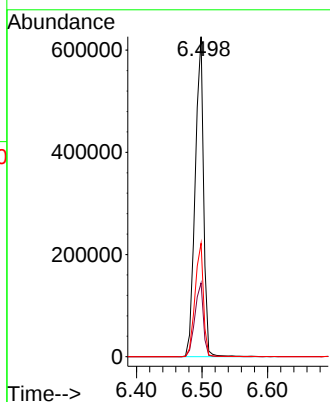
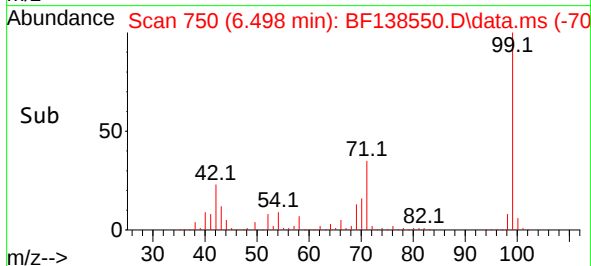
Instrument :  
BNA\_F  
ClientSampleId :  
CONC-PADS



Tgt Ion: 99 Resp: 560954  
Ion Ratio Lower Upper  
99 100  
42 23.0 19.7 29.5  
71 35.4 29.9 44.9

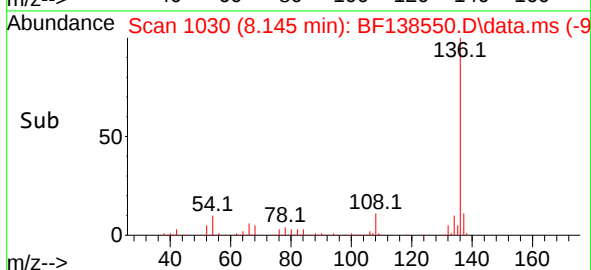
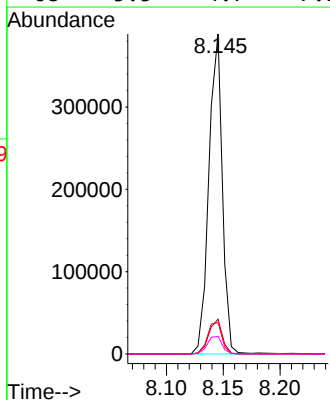
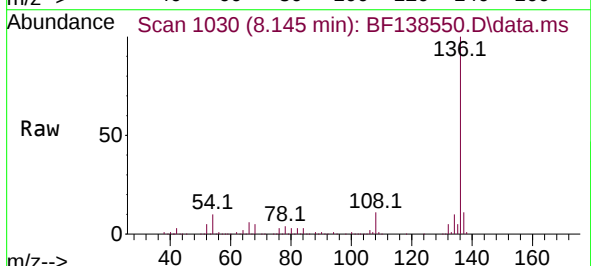
Manual Integrations  
APPROVED

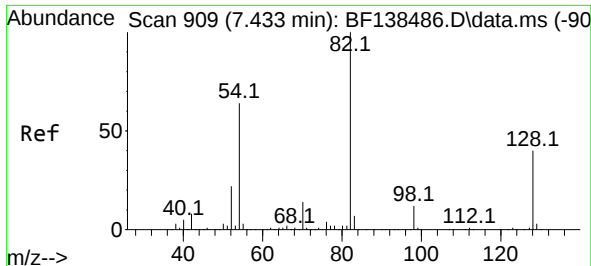
Reviewed By :Yogesh Patel 07/13/2024  
Supervised By :mohammad ahmed 07/19/2024



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.145 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF138550.D  
Acq: 12 Jul 2024 17:04

Tgt Ion:136 Resp: 320552  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.5 12.7  
54 9.9 8.1 12.1  
68 5.5 4.7 7.1





#23

Nitrobenzene-d5

Concen: 65.013 ng

RT: 7.428 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF138550.D

Acq: 12 Jul 2024 17:04

Instrument :

BNA\_F

ClientSampleId :

CONC-PADS

Tgt Ion: 82 Resp: 424459

Ion Ratio Lower Upper

82 100

128 42.3 32.3 48.5

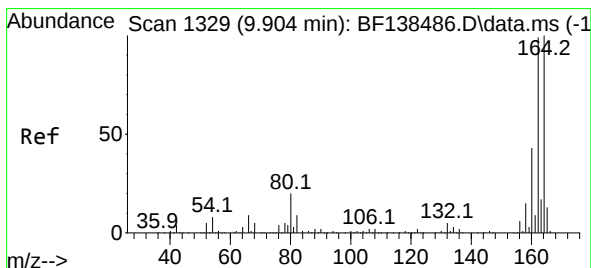
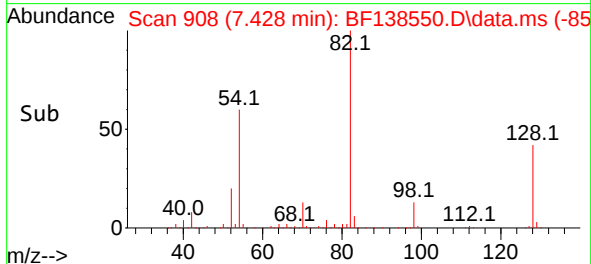
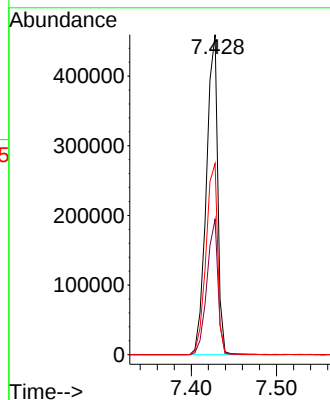
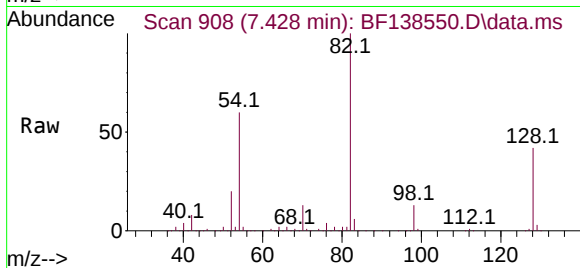
54 59.8 51.4 77.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

Delta R.T. -0.006 min

Lab File: BF138550.D

Acq: 12 Jul 2024 17:04

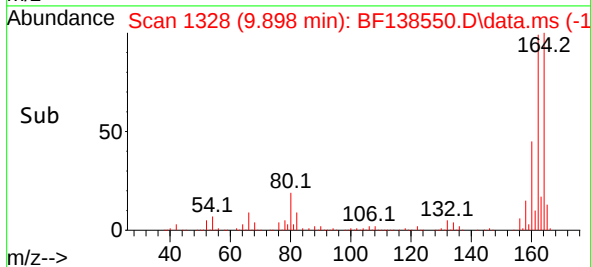
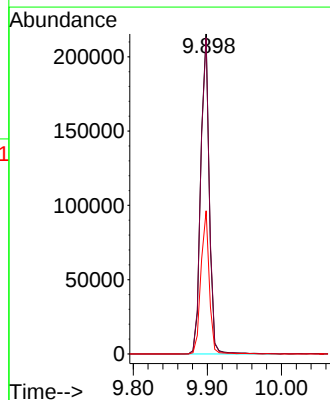
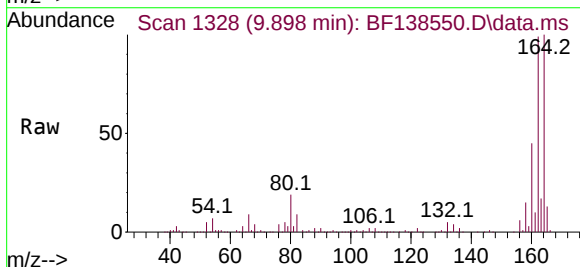
Tgt Ion:164 Resp: 169914

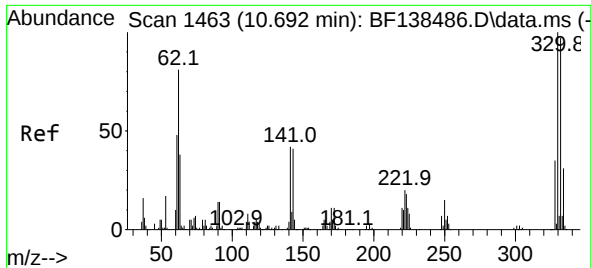
Ion Ratio Lower Upper

164 100

162 98.9 79.0 118.6

160 44.8 34.4 51.6





#42  
2,4,6-Tribromophenol  
Concen: 62.278 ng  
RT: 10.686 min Scan# 1462  
Delta R.T. -0.006 min  
Lab File: BF138550.D  
Acq: 12 Jul 2024 17:04

Instrument :

BNA\_F

ClientSampleId :

CONC-PADS

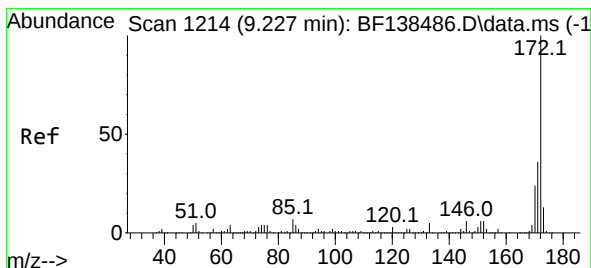
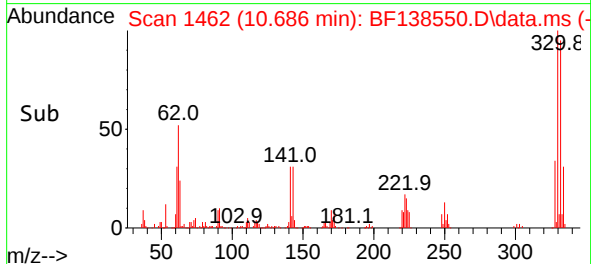
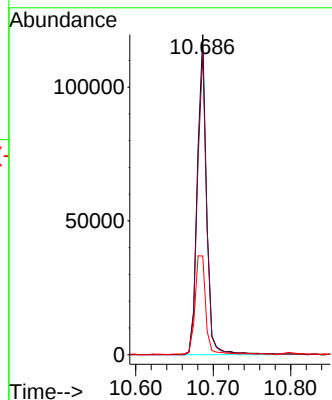
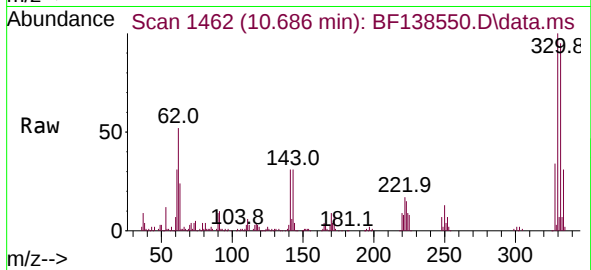
Tgt Ion:330 Resp: 98895  
Ion Ratio Lower Upper  
330 100  
332 95.2 76.8 115.2  
141 36.1 29.4 44.2

Manual Integrations

APPROVED

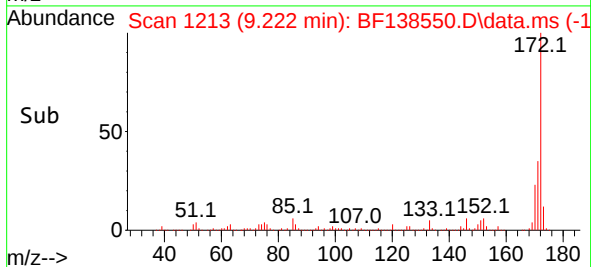
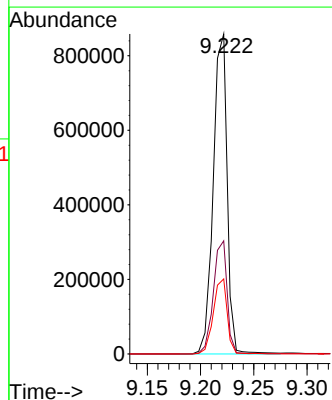
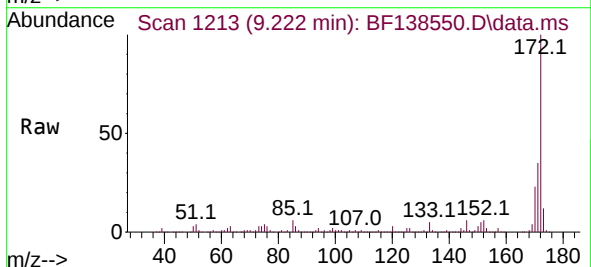
Reviewed By :Yogesh Patel 07/13/2024

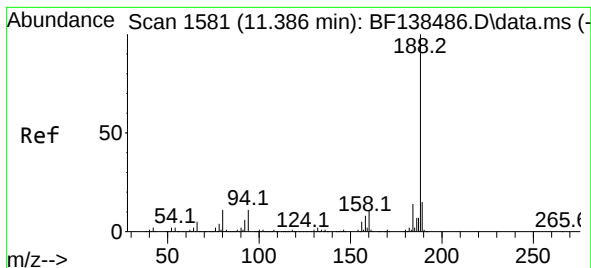
Supervised By :mohammad ahmed 07/19/2024



#45  
2-Fluorobiphenyl  
Concen: 71.747 ng  
RT: 9.222 min Scan# 1213  
Delta R.T. -0.006 min  
Lab File: BF138550.D  
Acq: 12 Jul 2024 17:04

Tgt Ion:172 Resp: 780008  
Ion Ratio Lower Upper  
172 100  
171 35.4 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: BF138550.D  
Acq: 12 Jul 2024 17:04

Instrument :

BNA\_F

ClientSampleId :

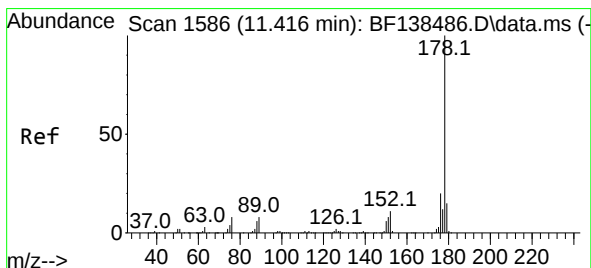
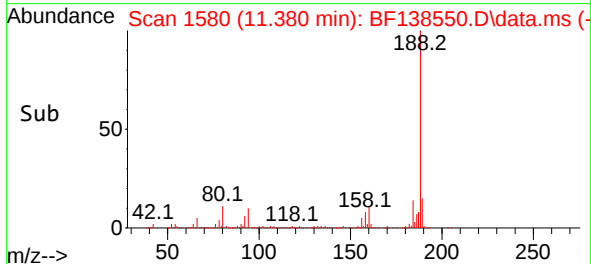
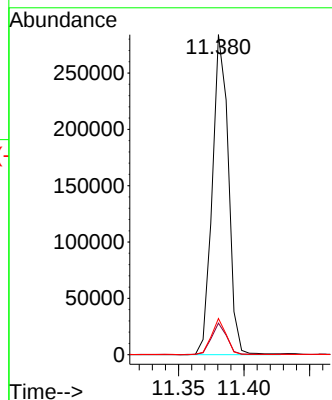
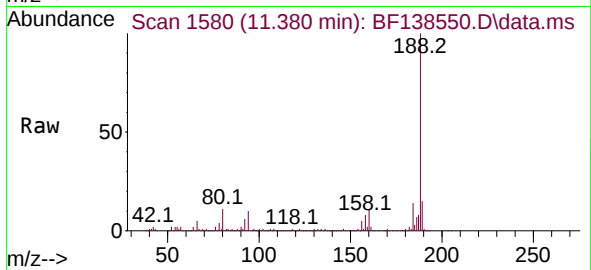
CONC-PADS

Tgt Ion:188 Resp: 24238  
Ion Ratio Lower Upper  
188 100  
94 9.8 8.7 13.1  
80 11.3 9.0 13.4

Manual Integrations

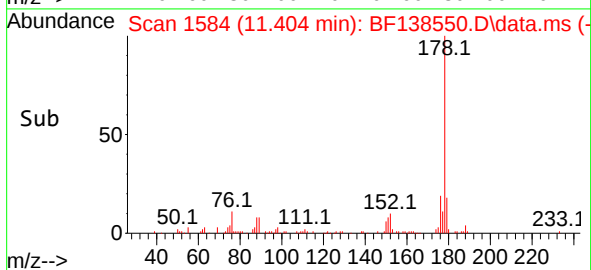
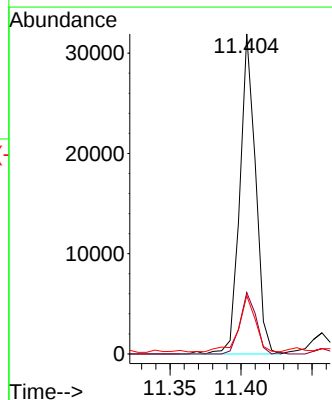
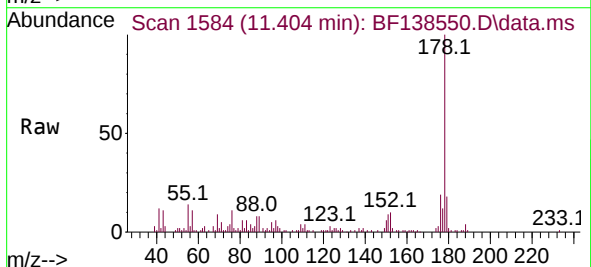
APPROVED

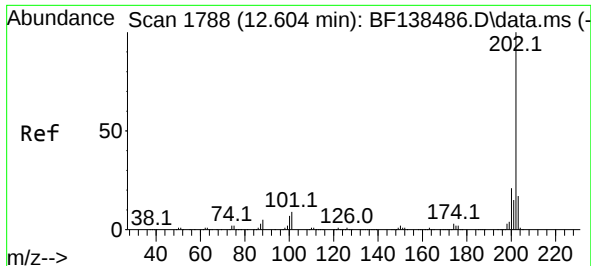
Reviewed By :Yogesh Patel 07/13/2024  
Supervised By :mohammad ahmed 07/19/2024



#71  
Phenanthrene  
Concen: 2.020 ng  
RT: 11.404 min Scan# 1584  
Delta R.T. -0.012 min  
Lab File: BF138550.D  
Acq: 12 Jul 2024 17:04

Tgt Ion:178 Resp: 24731  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.7 23.5  
179 18.2 12.2 18.2





#75  
Fluoranthene  
Concen: 2.802 ng  
RT: 12.592 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF138550.D  
Acq: 12 Jul 2024 17:04

Instrument :

BNA\_F

ClientSampleId :

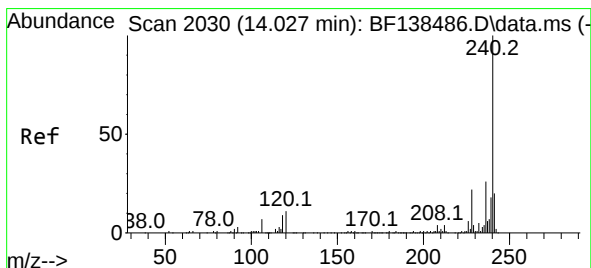
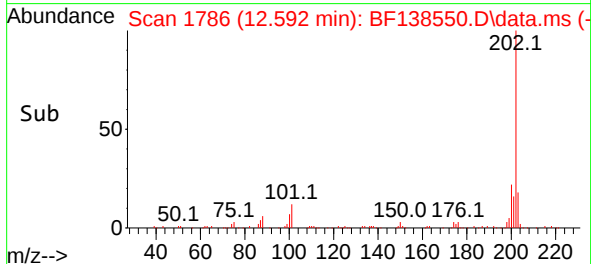
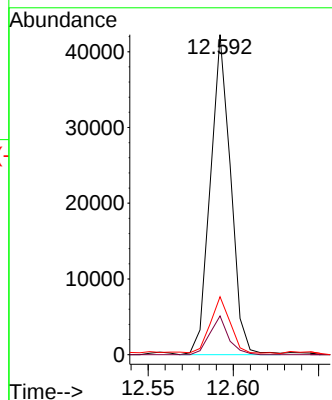
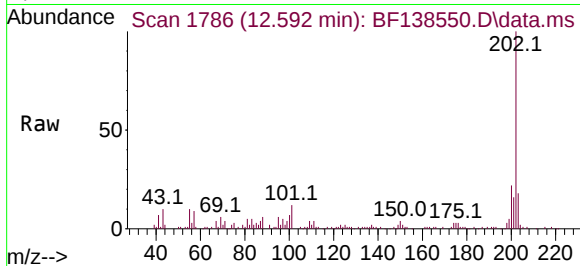
CONC-PADS

Tgt Ion:202 Resp: 35008  
Ion Ratio Lower Upper  
202 100  
101 12.1 0.0 29.2  
203 18.1 0.0 37.3

Manual Integrations

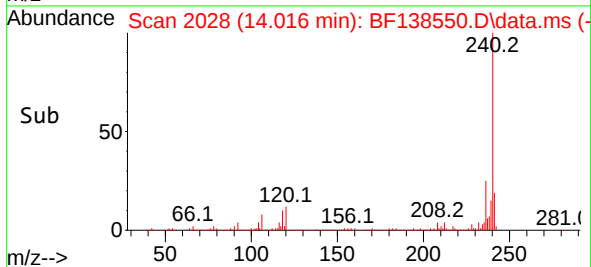
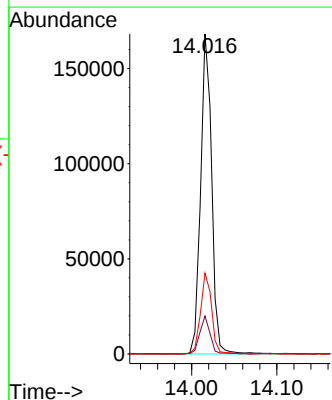
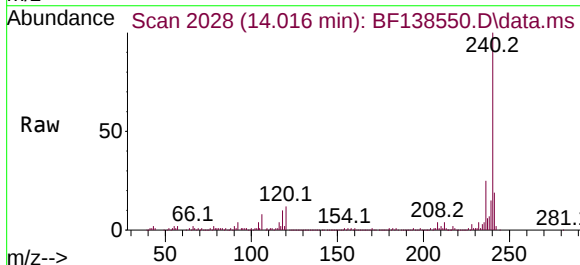
APPROVED

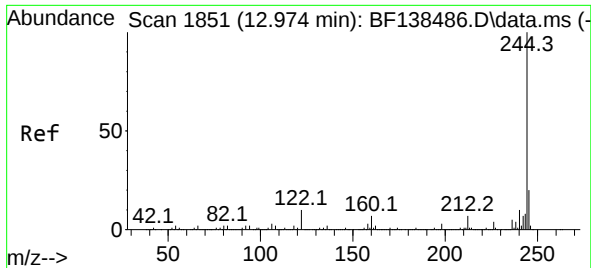
Reviewed By :Yogesh Patel 07/13/2024  
Supervised By :mohammad ahmed 07/19/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.016 min Scan# 2028  
Delta R.T. -0.012 min  
Lab File: BF138550.D  
Acq: 12 Jul 2024 17:04

Tgt Ion:240 Resp: 151280  
Ion Ratio Lower Upper  
240 100  
120 11.9 8.6 12.8  
236 25.3 21.0 31.6





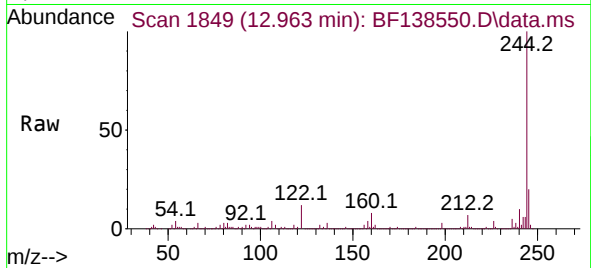
#79  
 Terphenyl-d14  
 Concen: 59.567 ng  
 RT: 12.963 min Scan# 1849  
 Delta R.T. -0.012 min  
 Lab File: BF138550.D  
 Acq: 12 Jul 2024 17:04

Instrument :

BNA\_F

ClientSampleId :

CONC-PADS

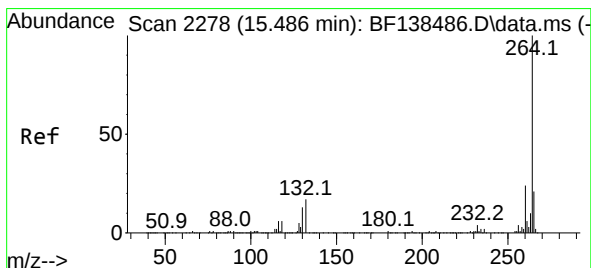
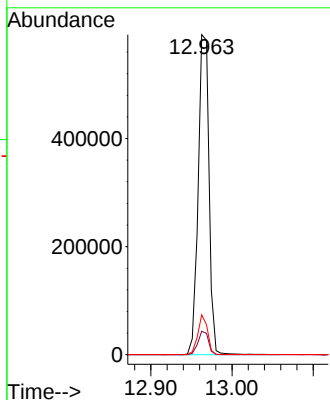
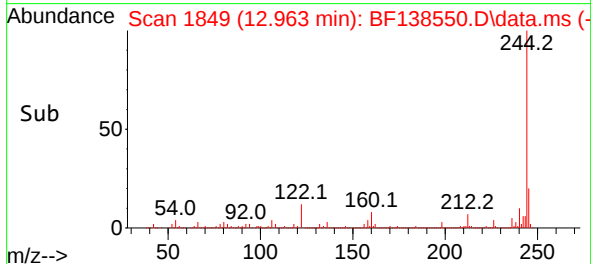


Tgt Ion:244 Resp: 553130  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.5 8.3  
 122 12.4 7.8 11.8

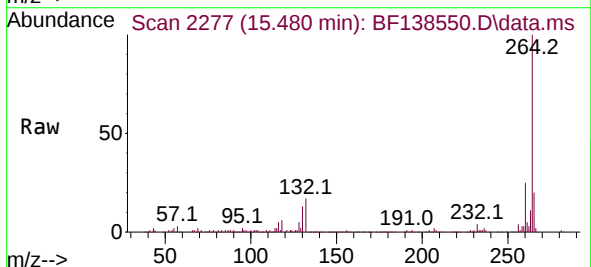
Manual Integrations

APPROVED

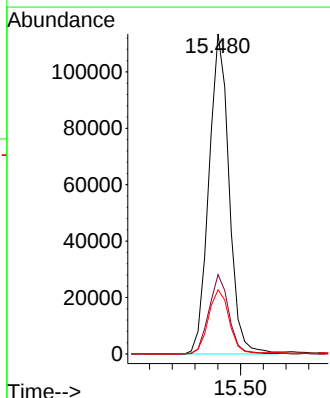
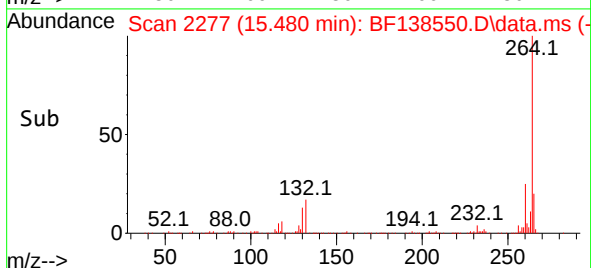
Reviewed By :Yogesh Patel 07/13/2024  
 Supervised By :mohammad ahmed 07/19/2024

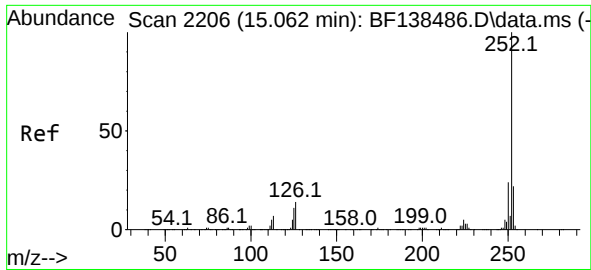


#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.480 min Scan# 2277  
 Delta R.T. -0.006 min  
 Lab File: BF138550.D  
 Acq: 12 Jul 2024 17:04



Tgt Ion:264 Resp: 139969  
 Ion Ratio Lower Upper  
 264 100  
 260 24.8 19.0 28.6  
 265 20.1 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 2.209 ng m

RT: 15.051 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138550.D

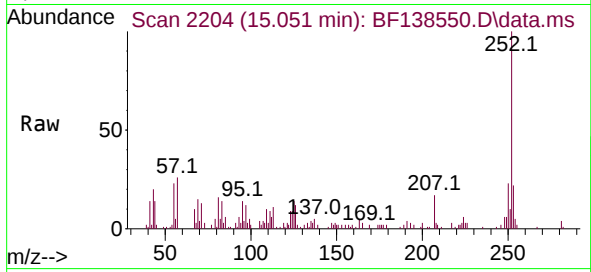
Acq: 12 Jul 2024 17:04

Instrument :

BNA\_F

ClientSampleId :

CONC-PADS



Tgt Ion:252 Resp: 17410

Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 14.2 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024

