

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031124\  
 Data File : BF137568.D  
 Acq On : 11 Mar 2024 21:20  
 Operator : CG\JU  
 Sample : P1701-03  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RCA-3-COMP

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 03/12/2024  
 Supervised By :mohammad ahmed 03/12/2024

Quant Time: Mar 12 02:08:31 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 12 02:00:03 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.904  | 152  | 216995   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.175  | 136  | 797037   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.927  | 164  | 368901   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.427 | 188  | 528449   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.092 | 240  | 411981   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.645 | 264  | 332886   | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.569  | 112  | 1221406  | 85.249 | ng    | 0.00     |
| 7) Phenol-d6                | 6.545  | 99   | 1629213  | 78.777 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.457  | 82   | 1005608  | 58.623 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.722 | 330  | 235668   | 72.746 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.251  | 172  | 1513839  | 64.237 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.033 | 244  | 1286345  | 42.935 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 11.451 | 178  | 71735    | 2.494  | ng    | 99       |
| 75) Fluoranthene            | 12.651 | 202  | 148310   | 5.276  | ng    | 98       |
| 78) Pyrene                  | 12.880 | 202  | 150737   | 3.729  | ng    | 99       |
| 81) Benzo(a)anthracene      | 14.080 | 228  | 74267    | 2.572  | ng    | 99       |
| 83) Chrysene                | 14.115 | 228  | 72137    | 2.472  | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 15.180 | 252  | 74916m   | 3.804  | ng    |          |
| 90) Benzo(a)pyrene          | 15.580 | 252  | 45685    | 2.354  | ng    | # 85     |
| -----                       |        |      |          |        |       |          |

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

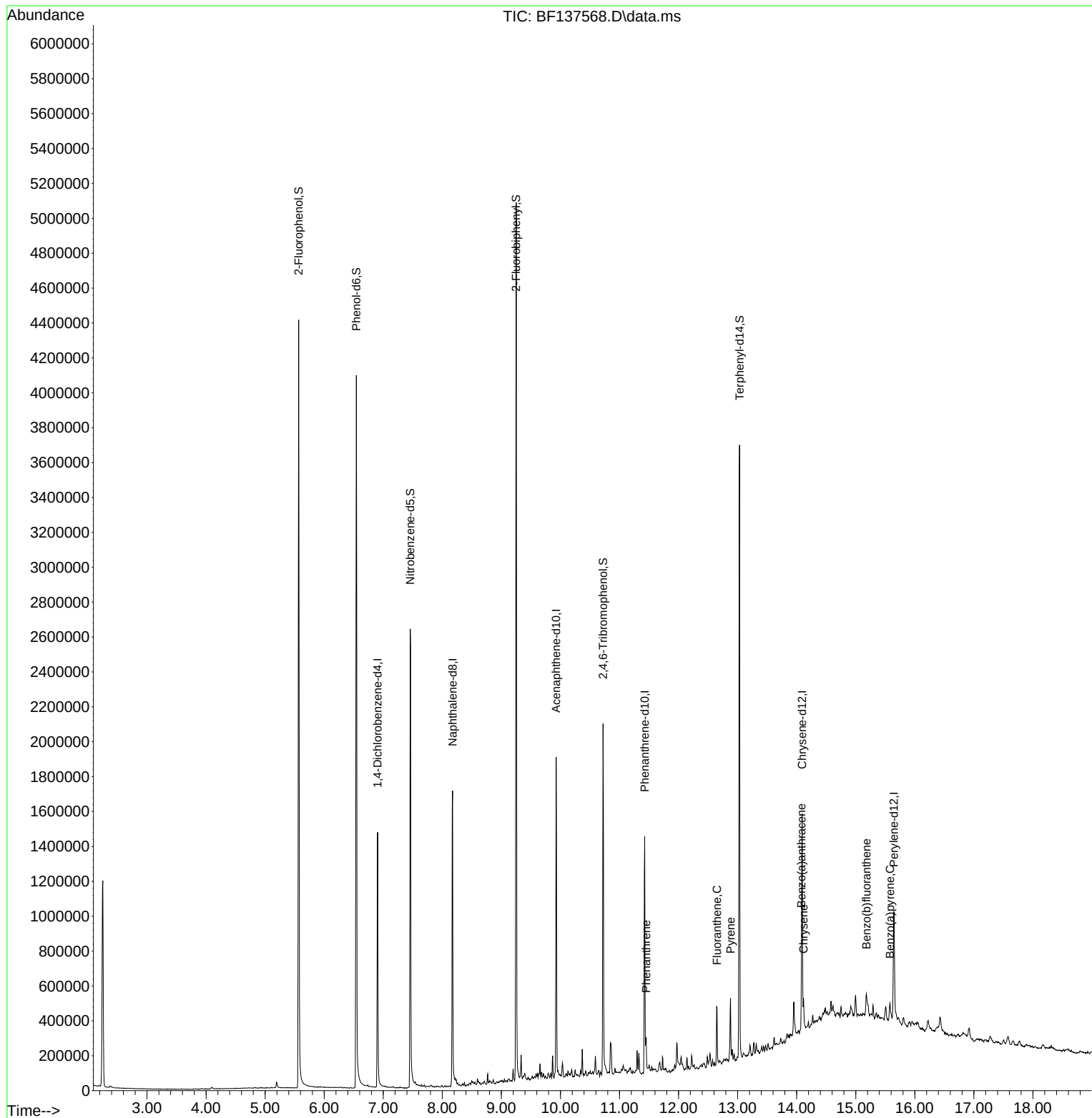
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031124\  
Data File : BF137568.D  
Acq On : 11 Mar 2024 21:20  
Operator : CG\JU  
Sample : P1701-03  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

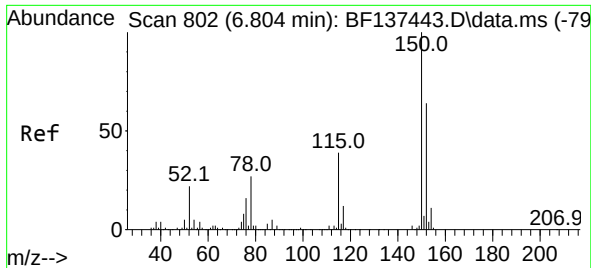
Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Time: Mar 12 02:08:31 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022924.M  
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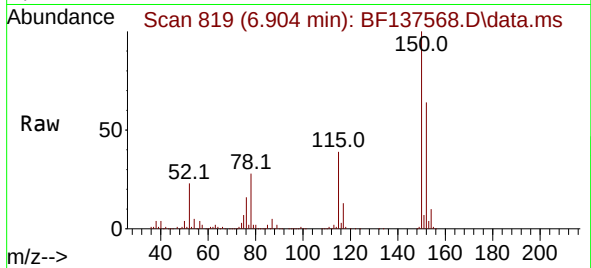
Reviewed By :Yogesh Patel 03/12/2024  
Supervised By :mohammad ahmed 03/12/2024





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.904 min Scan# 819  
Delta R.T. 0.000 min  
Lab File: BF137568.D  
Acq: 11 Mar 2024 21:20

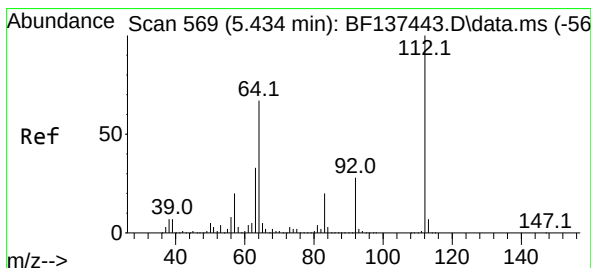
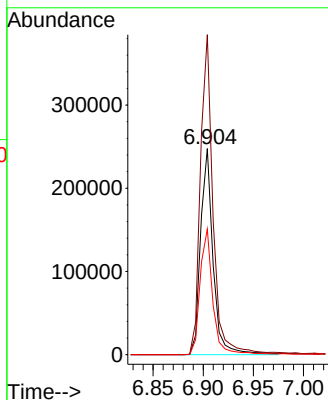
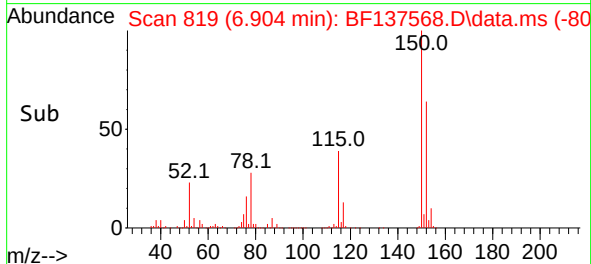
Instrument :  
BNA\_F  
ClientSampleId :  
RCA-3-COMP



Tgt Ion:152 Resp: 21699  
Ion Ratio Lower Upper  
152 100  
150 155.2 125.8 188.6  
115 60.9 48.8 73.2

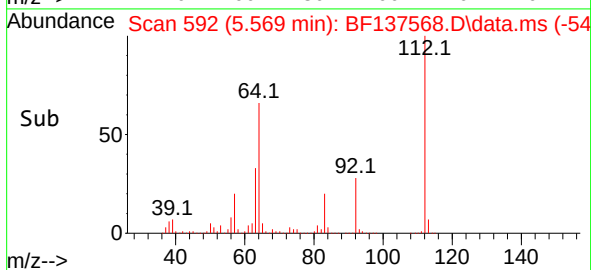
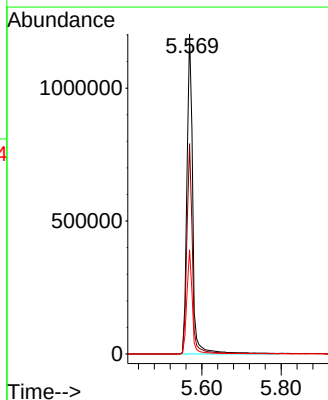
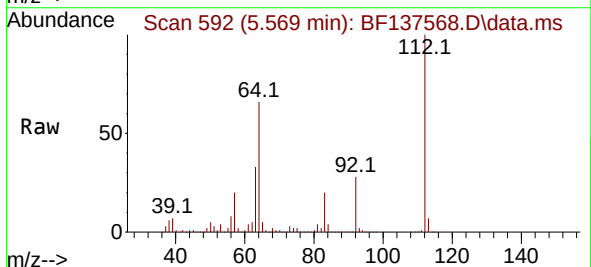
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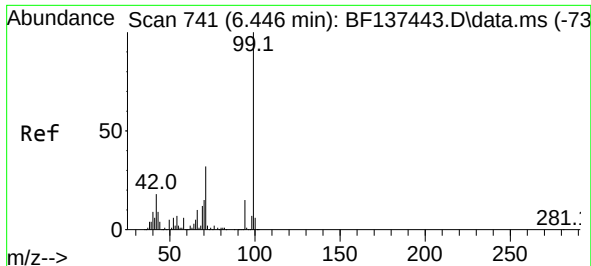
Reviewed By :Yogesh Patel 03/12/2024  
Supervised By :mohammad ahmed 03/12/2024



#5  
2-Fluorophenol  
Concen: 85.249 ng  
RT: 5.569 min Scan# 592  
Delta R.T. -0.000 min  
Lab File: BF137568.D  
Acq: 11 Mar 2024 21:20

Tgt Ion:112 Resp: 1221406  
Ion Ratio Lower Upper  
112 100  
64 65.7 53.4 80.2  
63 32.5 26.2 39.2





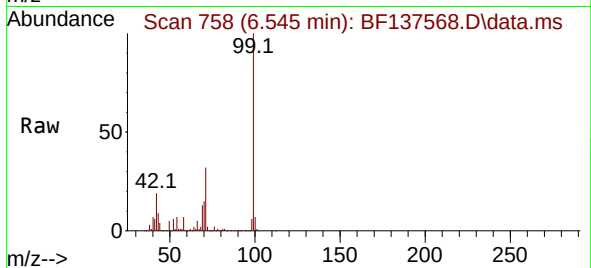
#7  
Phenol-d6  
Concen: 78.777 ng  
RT: 6.545 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF137568.D  
Acq: 11 Mar 2024 21:20

Instrument :

BNA\_F

ClientSampleId :

RCA-3-COMP



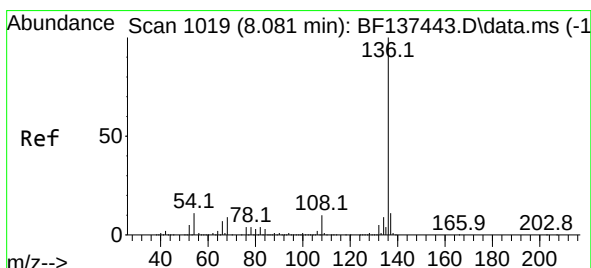
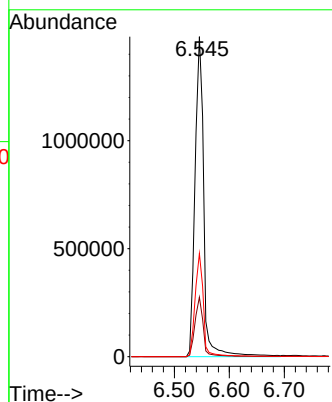
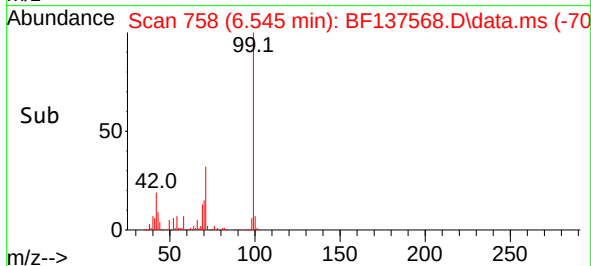
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Ion Ratio Lower Upper  
99 100  
42 18.6 14.6 21.8  
71 32.3 25.3 37.9

Manual Integrations

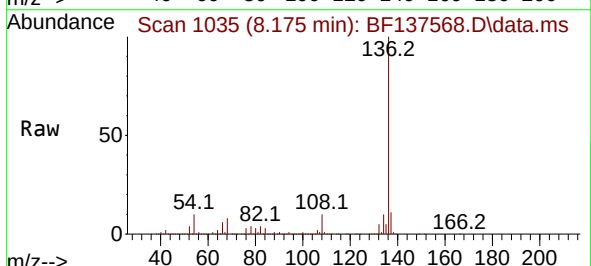
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Reviewed By :Yogesh Patel 03/12/2024

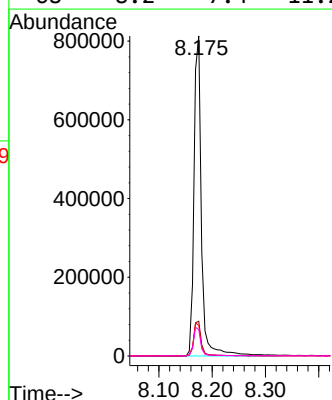
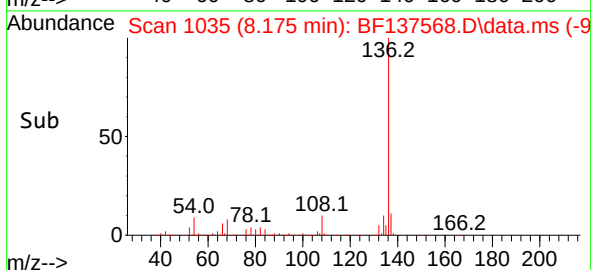
Supervised By :mohammad ahmed 03/12/2024

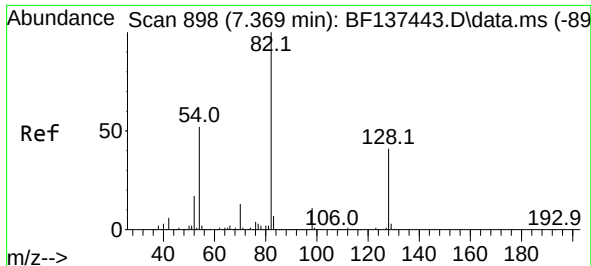


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1035  
Delta R.T. -0.000 min  
Lab File: BF137568.D  
Acq: 11 Mar 2024 21:20



Tgt Ion:136 Resp: 797037  
Ion Ratio Lower Upper  
136 100  
137 10.8 9.1 13.7  
54 9.6 8.5 12.7  
68 8.2 7.4 11.2





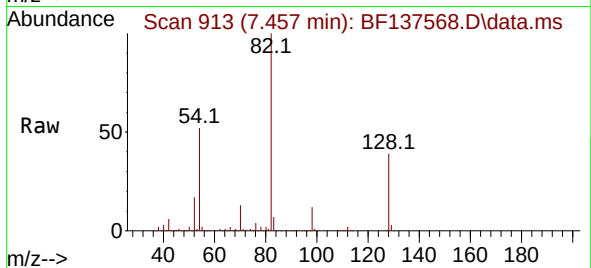
#23  
Nitrobenzene-d5  
Concen: 58.623 ng  
RT: 7.457 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: BF137568.D  
Acq: 11 Mar 2024 21:20

Instrument :

BNA\_F

ClientSampleId :

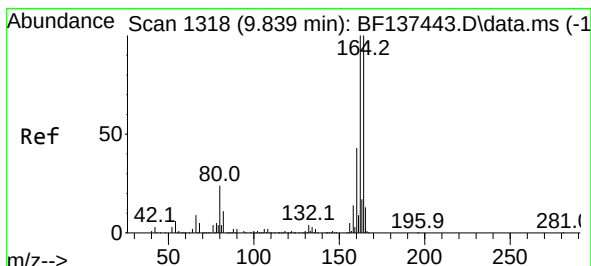
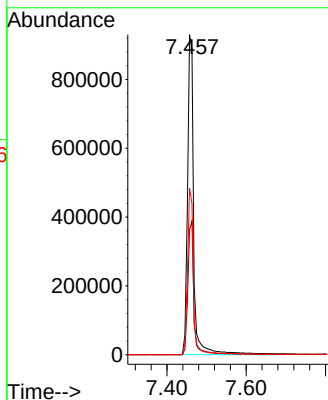
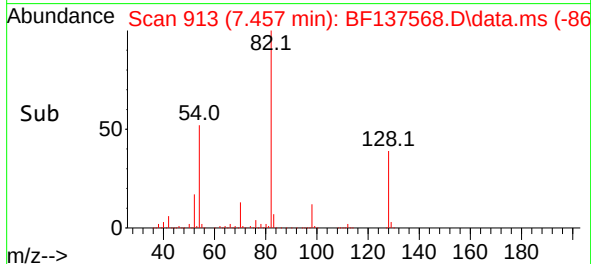
RCA-3-COMP



Tgt Ion: 82 Resp: 1005608  
Ion Ratio Lower Upper  
82 100  
128 39.0 32.5 48.7  
54 52.0 41.5 62.3

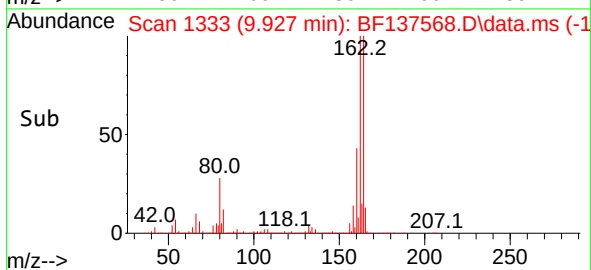
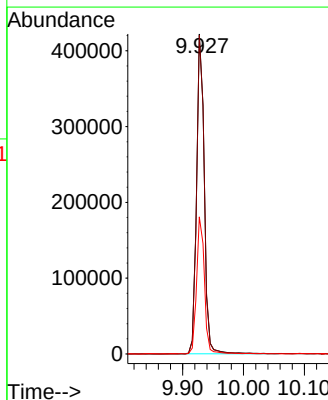
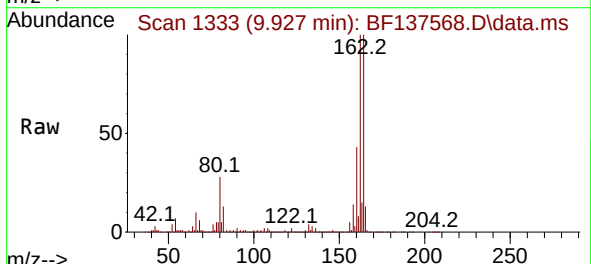
Manual Integrations  
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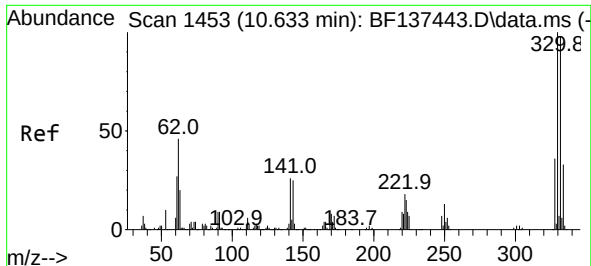
Reviewed By :Yogesh Patel 03/12/2024  
Supervised By :mohammad ahmed 03/12/2024



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.927 min Scan# 1333  
Delta R.T. -0.006 min  
Lab File: BF137568.D  
Acq: 11 Mar 2024 21:20

Tgt Ion:164 Resp: 368901  
Ion Ratio Lower Upper  
164 100  
162 99.6 79.8 119.8  
160 42.8 34.4 51.6





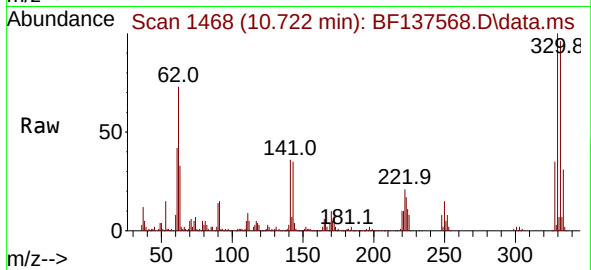
#42  
2,4,6-Tribromophenol  
Concen: 72.746 ng  
RT: 10.722 min Scan# 1453  
Delta R.T. -0.012 min  
Lab File: BF137568.D  
Acq: 11 Mar 2024 21:20

Instrument :

BNA\_F

ClientSampleId :

RCA-3-COMP



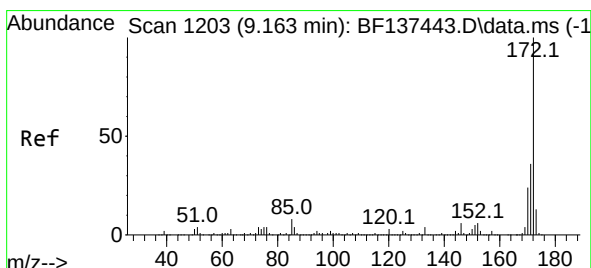
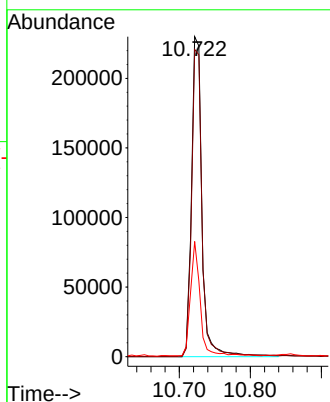
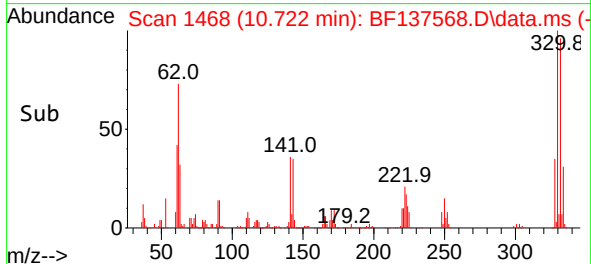
Tgt Ion:330 Resp: 235668  
Ion Ratio Lower Upper  
330 100  
332 96.1 78.0 117.0  
141 32.8 27.3 40.9

Manual Integrations

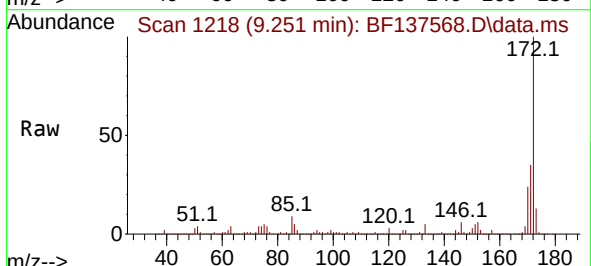
APPROVED

Reviewed By :Yogesh Patel 03/12/2024

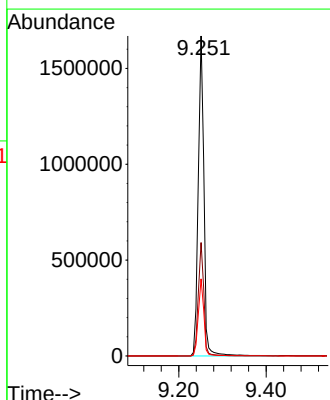
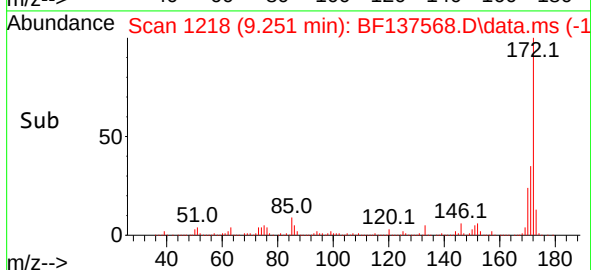
Supervised By :mohammad ahmed 03/12/2024

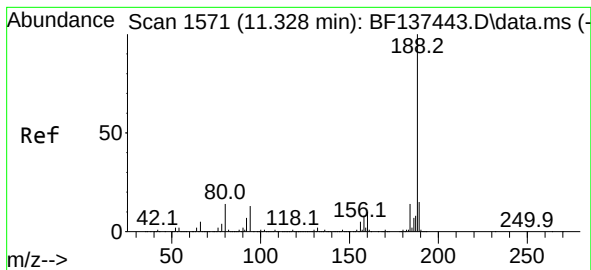


#45  
2-Fluorobiphenyl  
Concen: 64.237 ng  
RT: 9.251 min Scan# 1218  
Delta R.T. -0.006 min  
Lab File: BF137568.D  
Acq: 11 Mar 2024 21:20



Tgt Ion:172 Resp: 1513839  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.5 42.7  
170 24.1 19.0 28.6





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.427 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF137568.D  
Acq: 11 Mar 2024 21:20

Instrument :

BNA\_F

ClientSampleId :

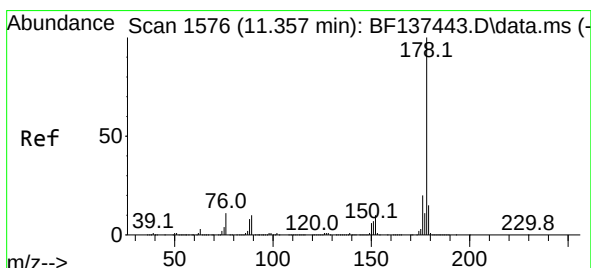
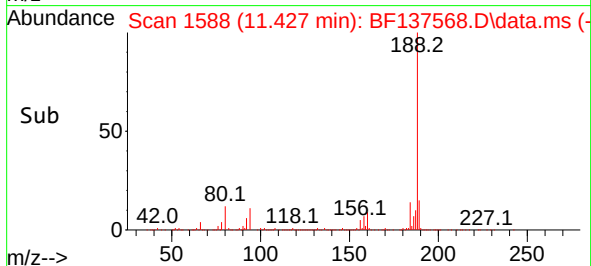
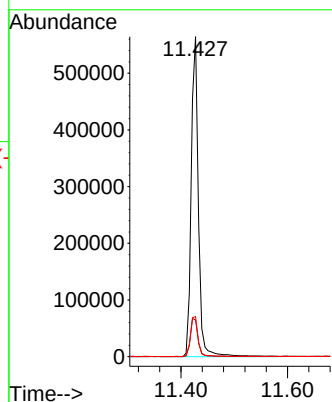
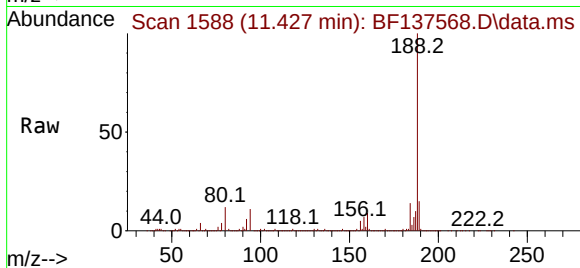
RCA-3-COMP

Tgt Ion:188 Resp: 528449  
Ion Ratio Lower Upper  
188 100  
94 11.4 10.6 15.8  
80 12.5 11.5 17.3

Manual Integrations

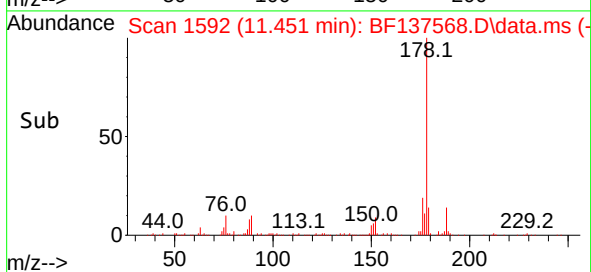
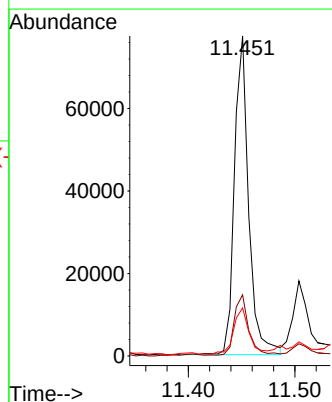
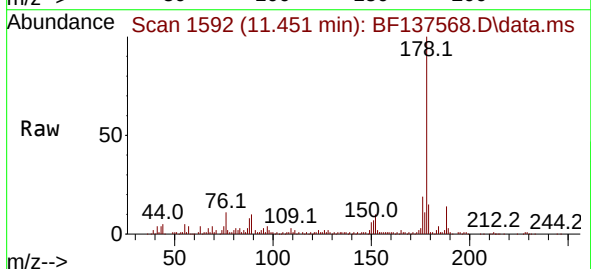
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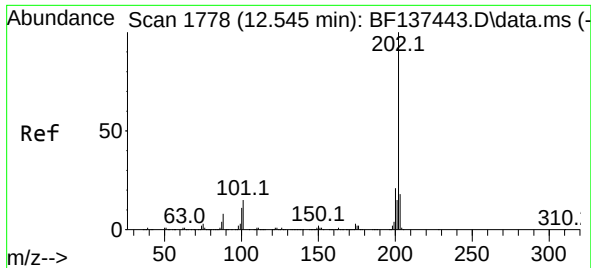
Reviewed By :Yogesh Patel 03/12/2024  
Supervised By :mohammad ahmed 03/12/2024



#71  
Phenanthrene  
Concen: 2.494 ng  
RT: 11.451 min Scan# 1592  
Delta R.T. -0.006 min  
Lab File: BF137568.D  
Acq: 11 Mar 2024 21:20

Tgt Ion:178 Resp: 71735  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.8 23.8  
179 15.0 12.2 18.2





#75  
Fluoranthene  
Concen: 5.276 ng  
RT: 12.651 min Scan# 1796  
Delta R.T. -0.006 min  
Lab File: BF137568.D  
Acq: 11 Mar 2024 21:20

Instrument :

BNA\_F

ClientSampleId :

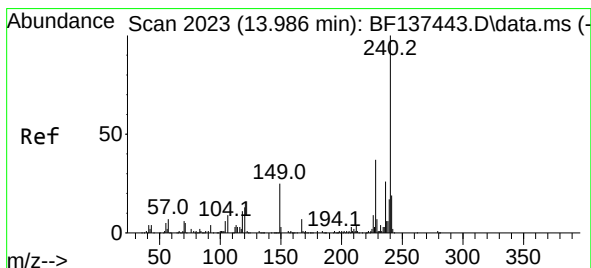
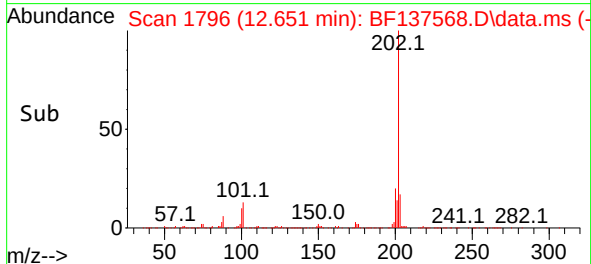
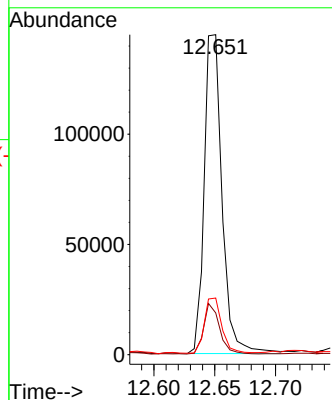
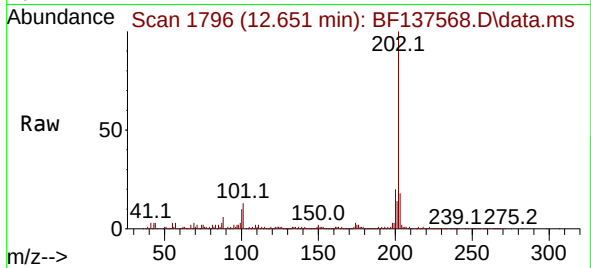
RCA-3-COMP

Tgt Ion:202 Resp: 148310  
Ion Ratio Lower Upper  
202 100  
101 13.0 0.0 35.0  
203 17.7 0.0 37.7

Manual Integrations

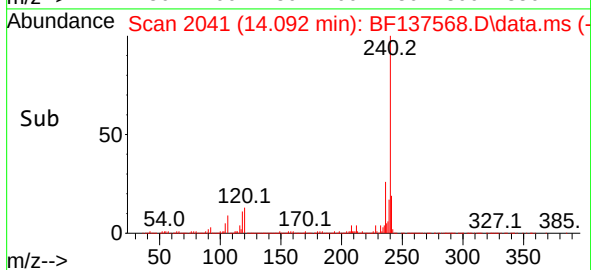
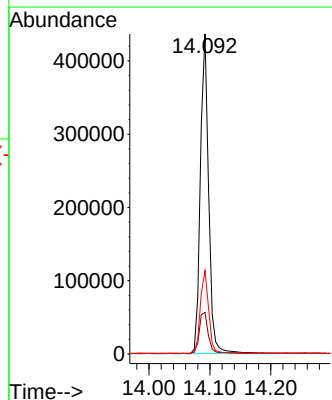
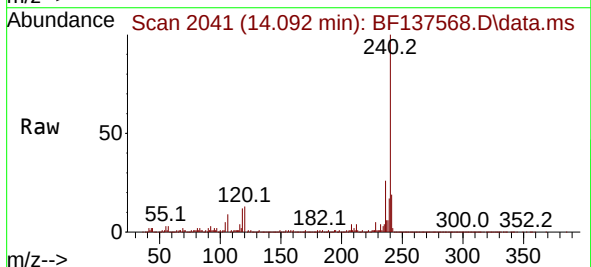
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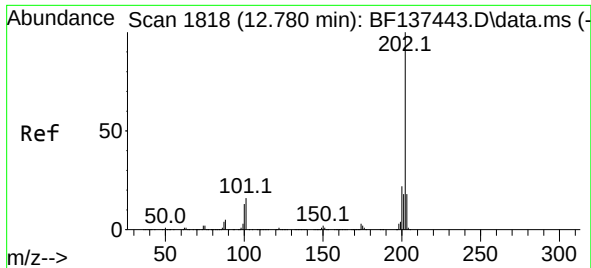


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.092 min Scan# 2041  
Delta R.T. -0.006 min  
Lab File: BF137568.D  
Acq: 11 Mar 2024 21:20

Tgt Ion:240 Resp: 411981  
Ion Ratio Lower Upper  
240 100  
120 13.0 10.4 15.6  
236 26.1 20.9 31.3







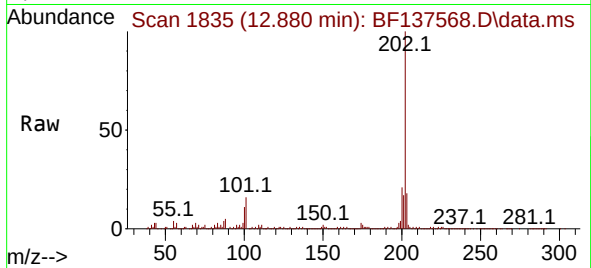
#78  
 Pyrene  
 Concen: 3.729 ng  
 RT: 12.880 min Scan# 1835  
 Delta R.T. -0.006 min  
 Lab File: BF137568.D  
 Acq: 11 Mar 2024 21:20

Instrument :

BNA\_F

ClientSampleId :

RCA-3-COMP

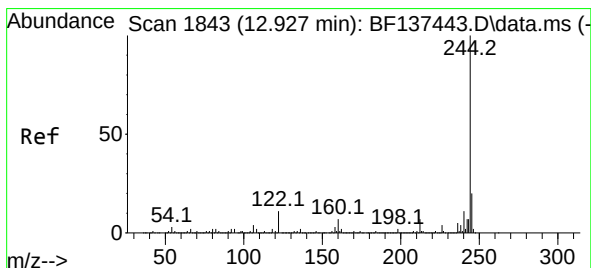
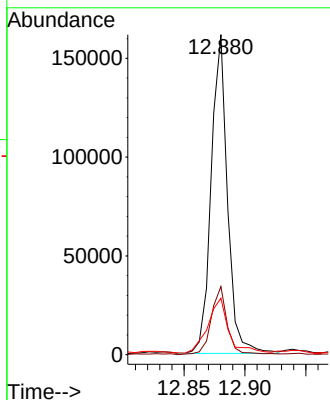
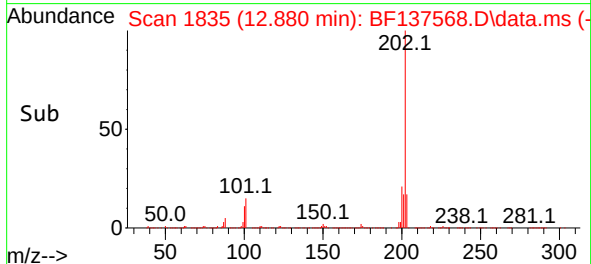


Tgt Ion:202 Resp: 15073  
 Ion Ratio Lower Upper  
 202 100  
 200 21.3 17.4 26.2  
 203 17.7 14.1 21.1

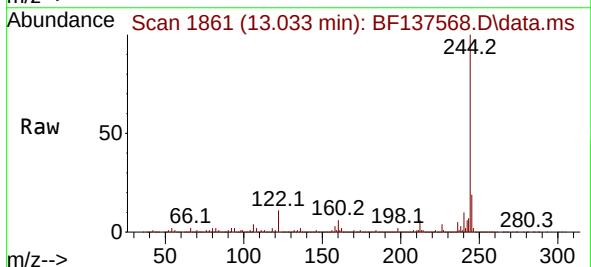
Manual Integrations

APPROVED

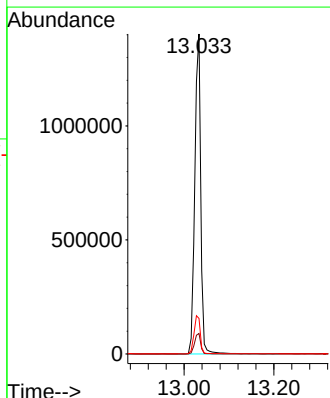
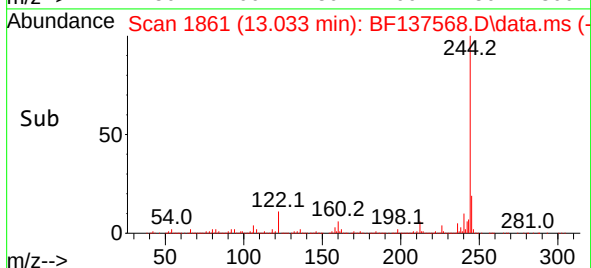
Reviewed By :Yogesh Patel 03/12/2024  
 Supervised By :mohammad ahmed 03/12/2024

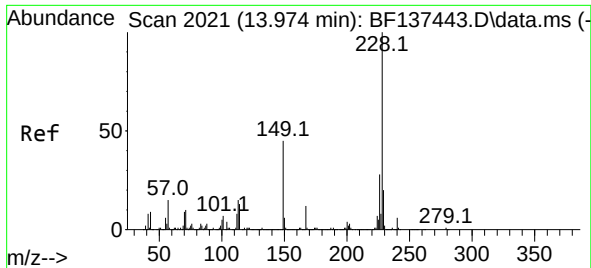


#79  
 Terphenyl-d14  
 Concen: 42.935 ng  
 RT: 13.033 min Scan# 1861  
 Delta R.T. -0.006 min  
 Lab File: BF137568.D  
 Acq: 11 Mar 2024 21:20



Tgt Ion:244 Resp: 1286345  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 5.4 8.2  
 122 11.1 9.1 13.7





#81  
Benzo(a)anthracene  
Concen: 2.572 ng  
RT: 14.080 min Scan# 2045  
Delta R.T. -0.006 min  
Lab File: BF137568.D  
Acq: 11 Mar 2024 21:20

Instrument :

BNA\_F

ClientSampleId :

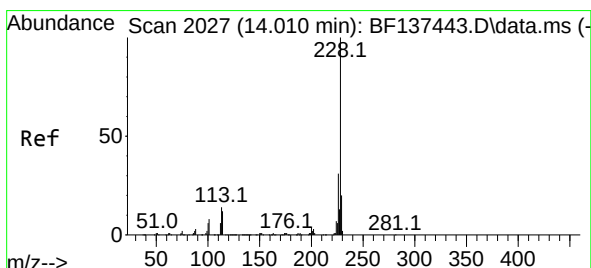
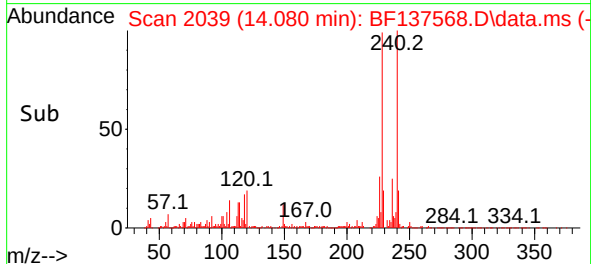
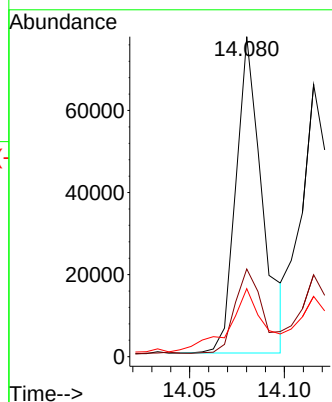
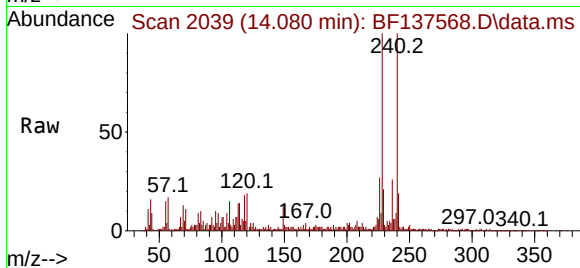
RCA-3-COMP

Tgt Ion:228 Resp: 7426  
Ion Ratio Lower Upper  
228 100  
226 27.4 22.3 33.5  
229 21.2 16.3 24.5

Manual Integrations

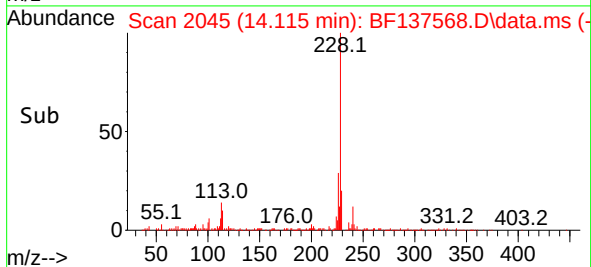
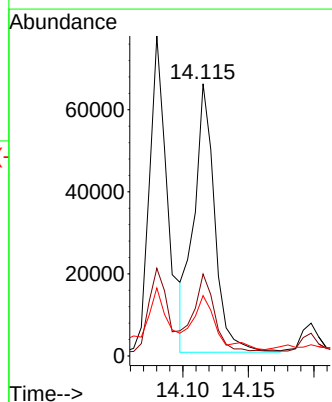
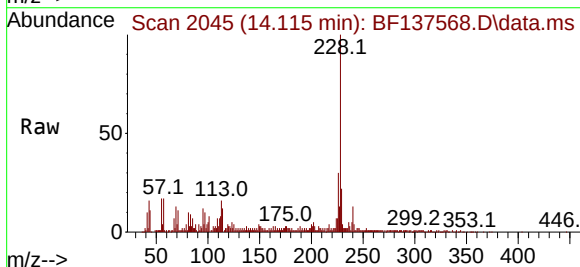
APPROVED

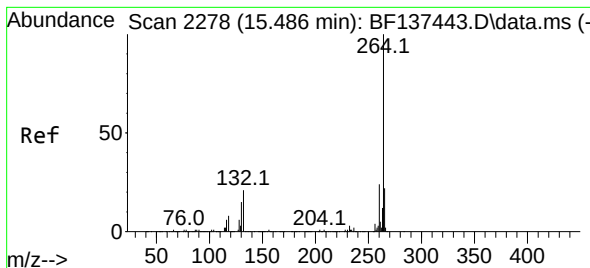
Reviewed By :Yogesh Patel 03/12/2024  
Supervised By :mohammad ahmed 03/12/2024



#83  
Chrysene  
Concen: 2.472 ng  
RT: 14.115 min Scan# 2045  
Delta R.T. -0.012 min  
Lab File: BF137568.D  
Acq: 11 Mar 2024 21:20

Tgt Ion:228 Resp: 72137  
Ion Ratio Lower Upper  
228 100  
226 30.1 24.7 37.1  
229 22.1 15.9 23.9





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.645 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: BF137568.D  
Acq: 11 Mar 2024 21:20

Instrument :

BNA\_F

ClientSampleId :

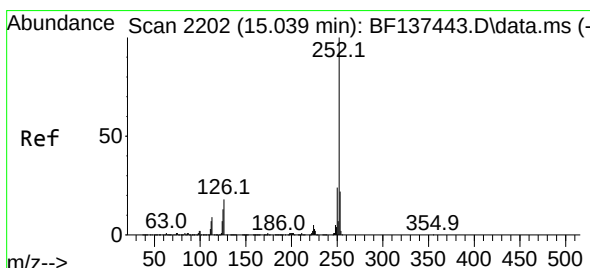
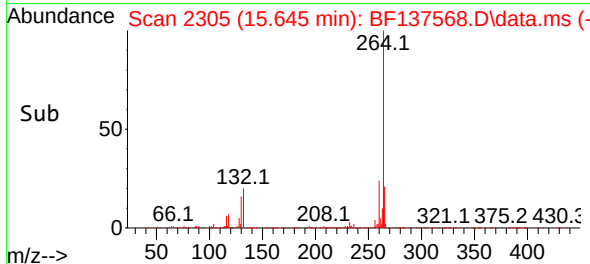
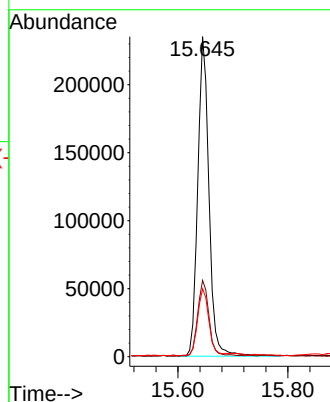
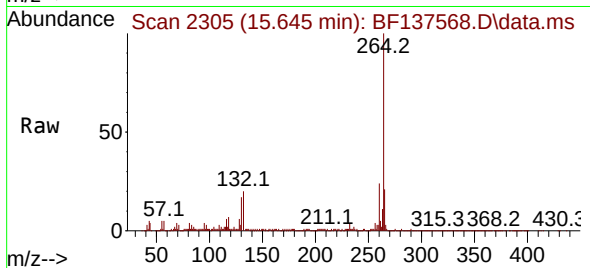
RCA-3-COMP

Tgt Ion:264 Resp: 332880  
Ion Ratio Lower Upper  
264 100  
260 23.9 19.3 28.9  
265 21.2 17.4 26.0

Manual Integrations

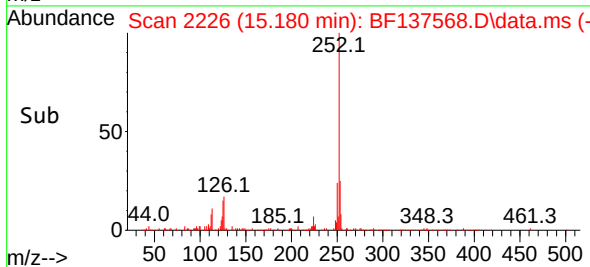
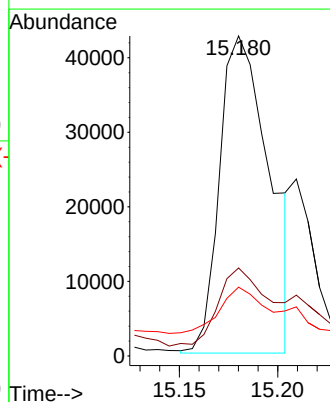
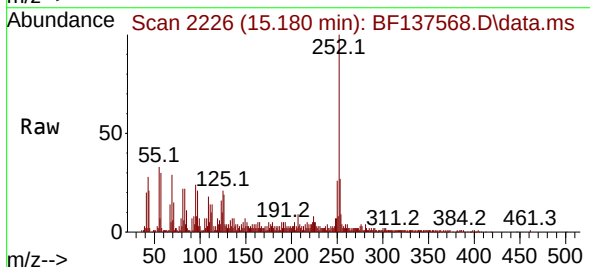
APPROVED

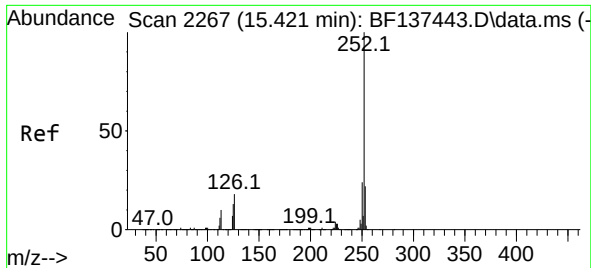
Reviewed By :Yogesh Patel 03/12/2024  
Supervised By :mohammad ahmed 03/12/2024



#88  
Benzo(b)fluoranthene  
Concen: 3.804 ng m  
RT: 15.180 min Scan# 2226  
Delta R.T. -0.006 min  
Lab File: BF137568.D  
Acq: 11 Mar 2024 21:20

Tgt Ion:252 Resp: 74916  
Ion Ratio Lower Upper  
252 100  
253 27.5 17.8 26.8#  
125 21.5 10.1 15.1#





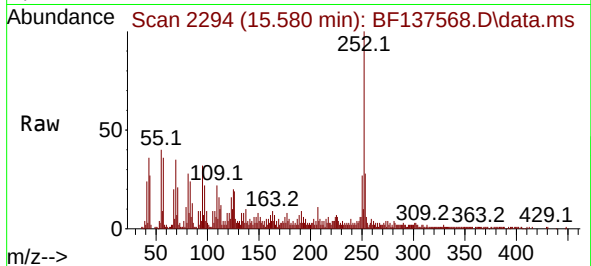
#90  
Benzo(a)pyrene  
Concen: 2.354 ng  
RT: 15.580 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF137568.D  
Acq: 11 Mar 2024 21:20

Instrument :

BNA\_F

ClientSampleId :

RCA-3-COMP



Tgt Ion:252 Resp: 4568  
Ion Ratio Lower Upper  
252 100  
253 28.2 17.4 26.2  
125 20.1 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/12/2024

Supervised By :mohammad ahmed 03/12/2024

