

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121223\  
 Data File : BF136516.D  
 Acq On : 12 Dec 2023 15:14  
 Operator : CG\JU  
 Sample : 05628-08  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-03-COMP

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/14/2023  
 Supervised By :mohammad ahmed 12/14/2023

Quant Time: Dec 12 15:34:33 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 06 09:40:27 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.792  | 152  | 91924    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.069  | 136  | 351232   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.827  | 164  | 171779   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.316 | 188  | 291437   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12            | 13.968 | 240  | 181915   | 20.000  | ng    | #-0.01   |
| 86) Perylene-d12            | 15.451 | 264  | 232915   | 20.000  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.440  | 112  | 766064   | 123.074 | ng    | 0.00     |
| 7) Phenol-d6                | 6.439  | 99   | 953329   | 122.758 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.357  | 82   | 549401   | 84.562  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.622 | 330  | 257022   | 121.348 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.151  | 172  | 940151   | 74.679  | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.916 | 244  | 937757   | 67.944  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 75) Fluoranthene            | 12.533 | 202  | 60388    | 3.597   | ng    | 98       |
| 78) Pyrene                  | 12.763 | 202  | 65862    | 3.697   | ng    | 95       |
| 81) Benzo(a)anthracene      | 13.963 | 228  | 57158m   | 4.511   | ng    |          |
| 83) Chrysene                | 13.992 | 228  | 55300    | 4.436   | ng    | 94       |
| 87) Indeno(1,2,3-cd)pyrene  | 16.945 | 276  | 70751    | 4.372   | ng    | 96       |
| 88) Benzo(b)fluoranthene    | 15.015 | 252  | 112205m  | 7.046   | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.045 | 252  | 38463m   | 2.563   | ng    |          |
| 90) Benzo(a)pyrene          | 15.386 | 252  | 78133    | 5.941   | ng    | 97       |
| 92) Benzo(g,h,i)perylene    | 17.398 | 276  | 66000    | 4.851   | ng    | 98       |
| -----                       |        |      |          |         |       |          |

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

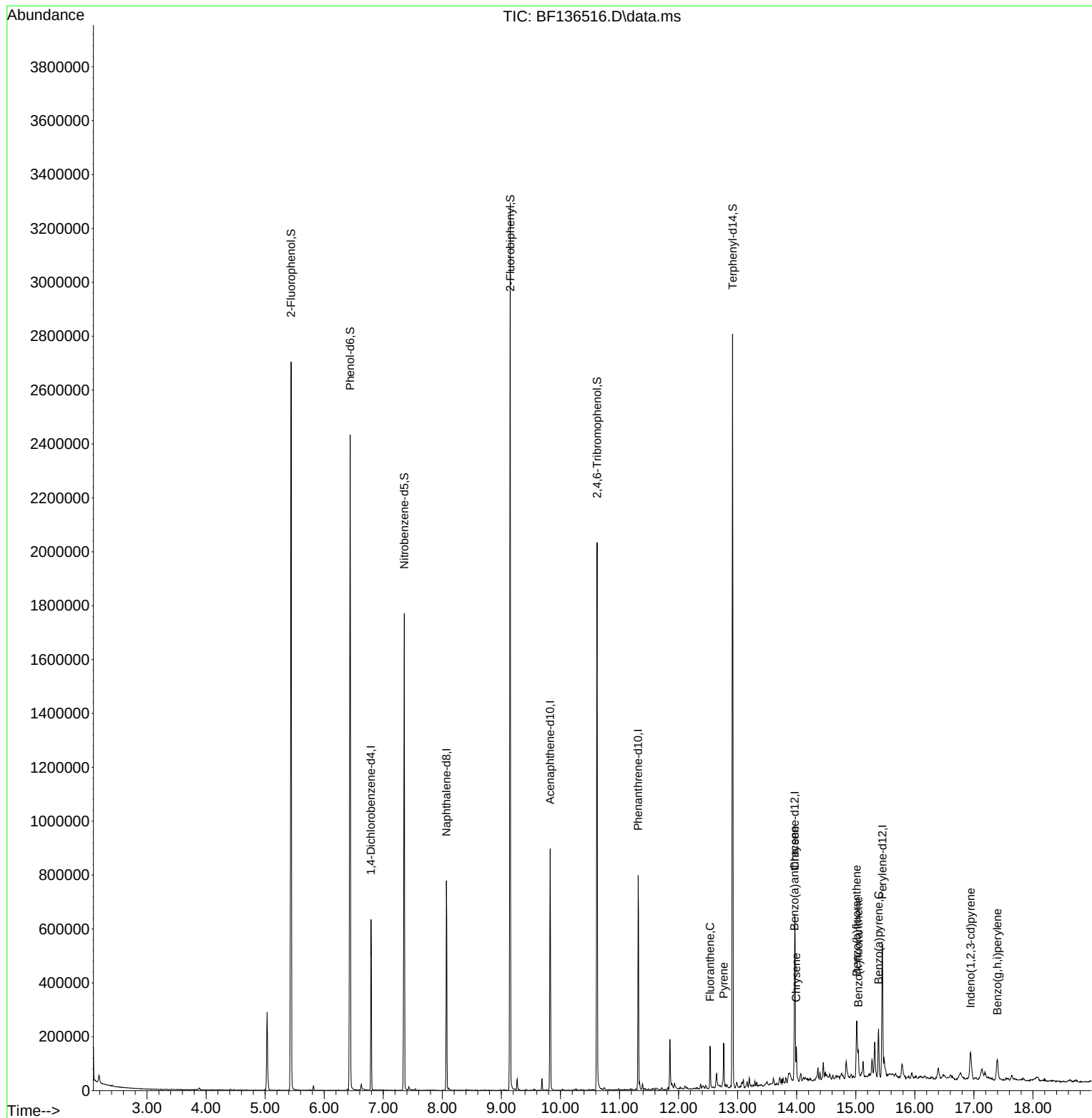
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121223\  
Data File : BF136516.D  
Acq On : 12 Dec 2023 15:14  
Operator : CG\JU  
Sample : 05628-08  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

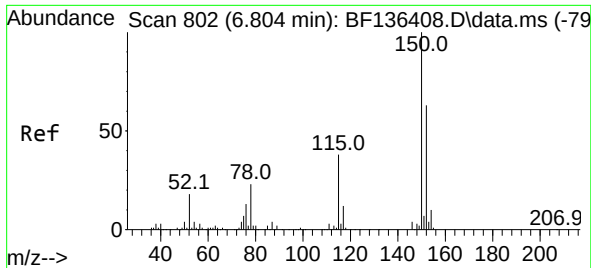
Instrument :  
BNA\_F  
ClientSampleId :  
SB-03-COMP

Quant Time: Dec 12 15:34:33 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 06 09:40:27 2023  
Response via : Initial Calibration

Manual Integrations  
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Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023





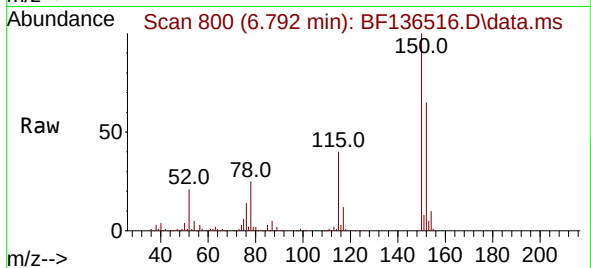
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.792 min Scan# 80  
Delta R.T. -0.012 min  
Lab File: BF136516.D  
Acq: 12 Dec 2023 15:14

Instrument :

BNA\_F

ClientSampleId :

SB-03-COMP

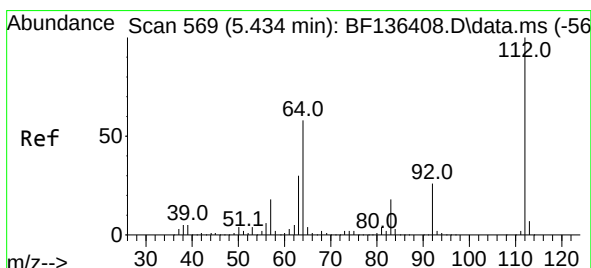
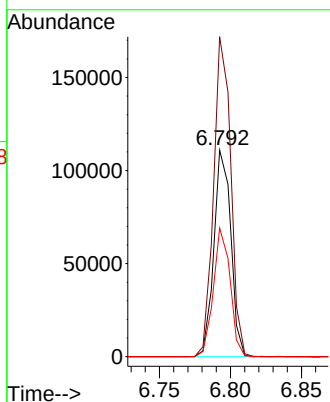
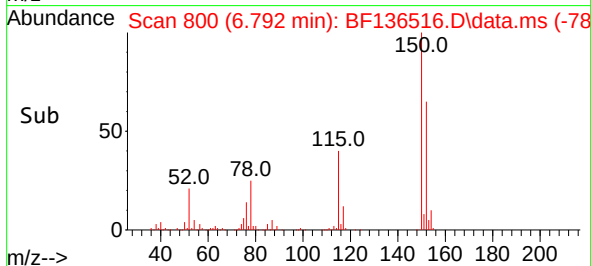


Tgt Ion:152 Resp: 91924  
Ion Ratio Lower Upper  
152 100  
150 155.0 126.4 189.6  
115 62.3 48.2 72.4

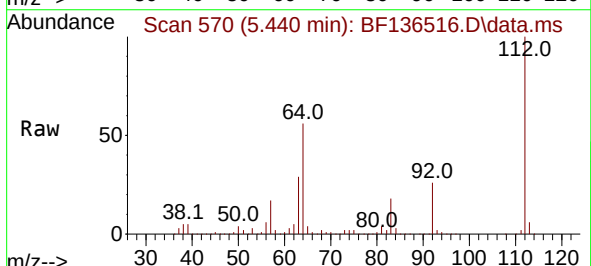
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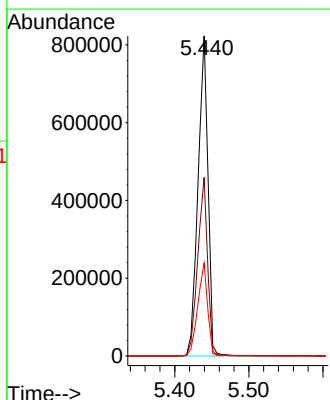
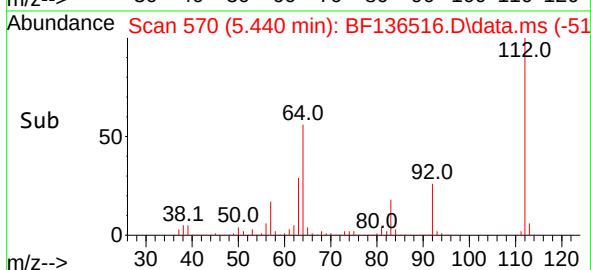
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

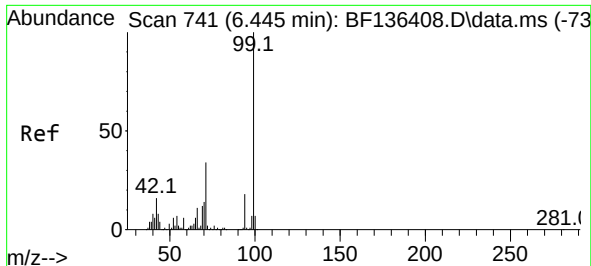


#5  
2-Fluorophenol  
Concen: 123.074 ng  
RT: 5.440 min Scan# 570  
Delta R.T. 0.006 min  
Lab File: BF136516.D  
Acq: 12 Dec 2023 15:14



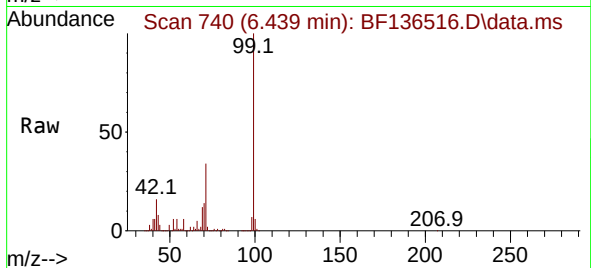
Tgt Ion:112 Resp: 766064  
Ion Ratio Lower Upper  
112 100  
64 55.8 46.5 69.7  
63 29.0 23.9 35.9





#7  
Phenol-d6  
Concen: 122.758 ng  
RT: 6.439 min Scan# 741  
Delta R.T. -0.006 min  
Lab File: BF136516.D  
Acq: 12 Dec 2023 15:14

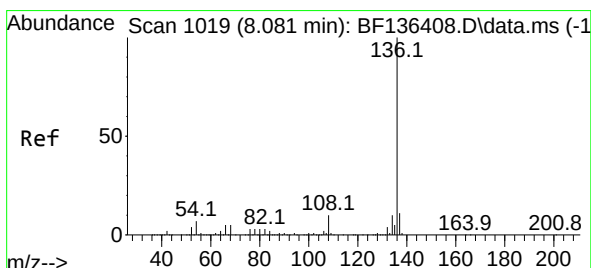
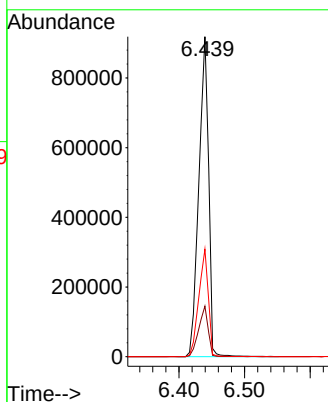
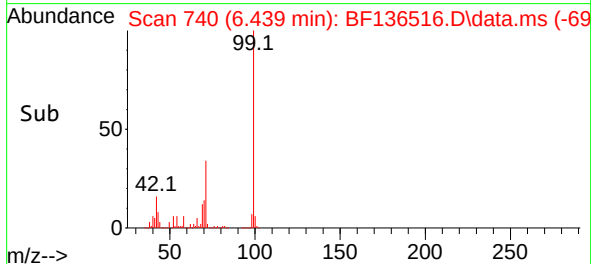
Instrument :  
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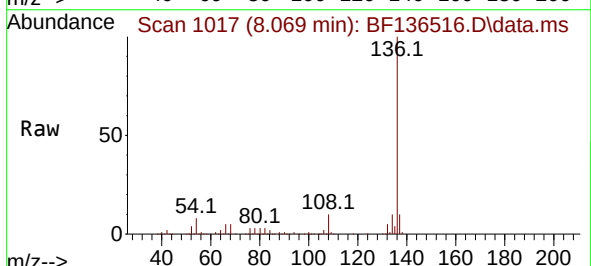
Tgt Ion: 99 Resp: 953329  
Ion Ratio Lower Upper  
99 100  
42 15.8 12.8 19.2  
71 33.6 27.0 40.4

Manual Integrations  
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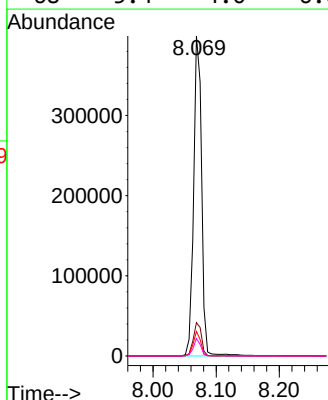
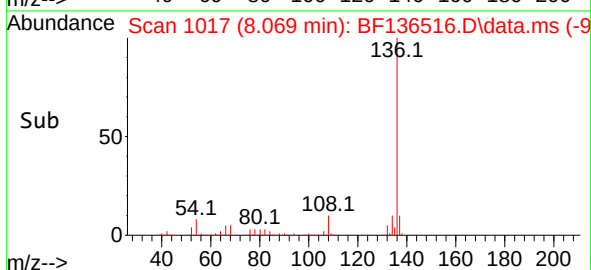
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

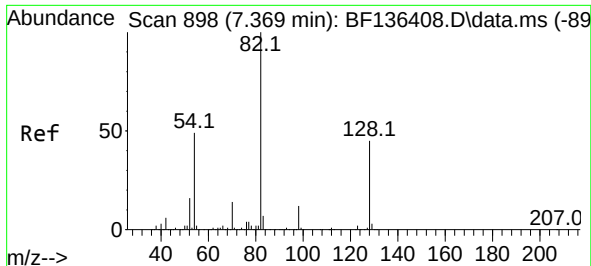


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.069 min Scan# 1017  
Delta R.T. -0.012 min  
Lab File: BF136516.D  
Acq: 12 Dec 2023 15:14



Tgt Ion:136 Resp: 351232  
Ion Ratio Lower Upper  
136 100  
137 10.4 8.6 12.8  
54 7.7 5.7 8.5  
68 5.4 4.0 6.0





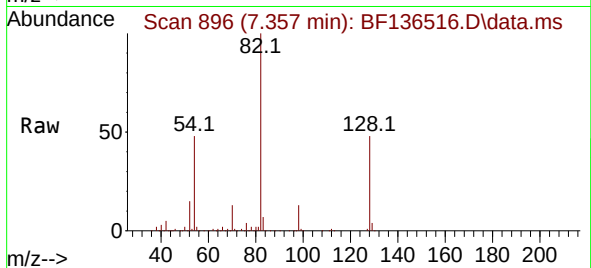
#23  
Nitrobenzene-d5  
Concen: 84.562 ng  
RT: 7.357 min Scan# 898  
Delta R.T. -0.012 min  
Lab File: BF136516.D  
Acq: 12 Dec 2023 15:14

Instrument :

BNA\_F

ClientSampleId :

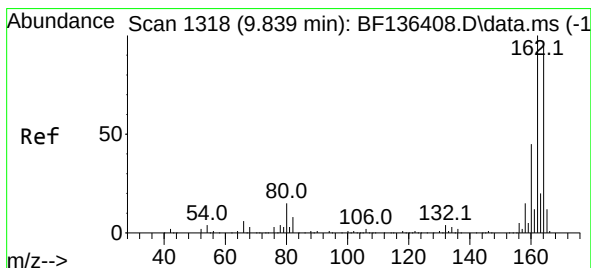
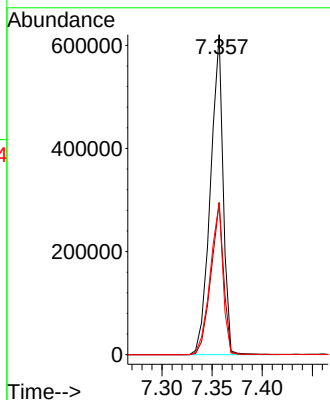
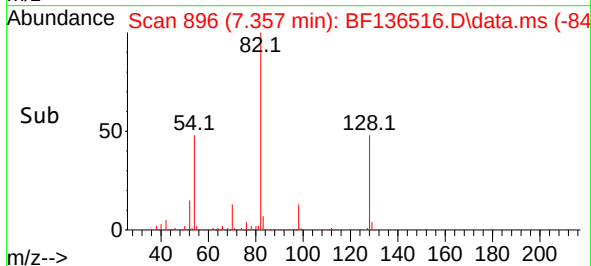
SB-03-COMP



Tgt Ion: 82 Resp: 54940  
Ion Ratio Lower Upper  
82 100  
128 47.5 36.3 54.5  
54 47.5 39.0 58.6

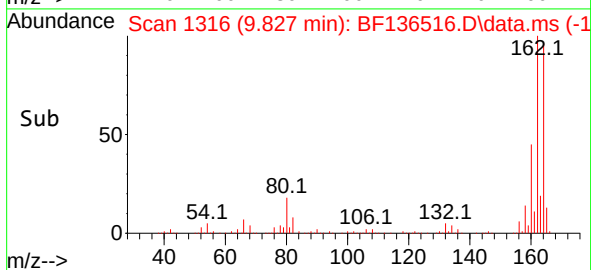
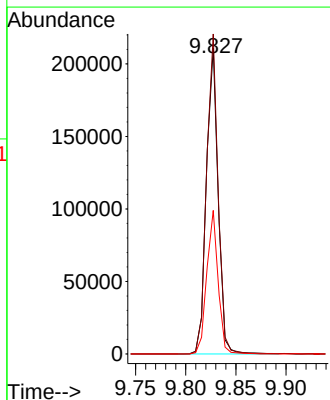
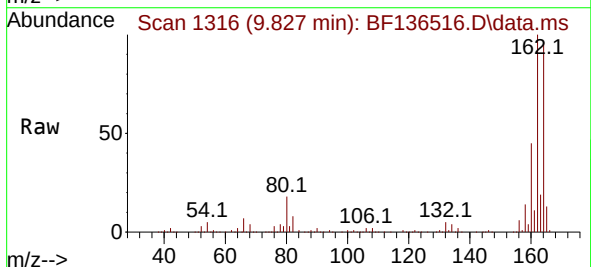
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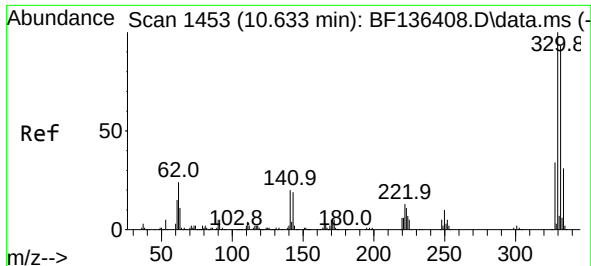
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.827 min Scan# 1316  
Delta R.T. -0.012 min  
Lab File: BF136516.D  
Acq: 12 Dec 2023 15:14

Tgt Ion:164 Resp: 171779  
Ion Ratio Lower Upper  
164 100  
162 104.6 84.4 126.6  
160 47.0 37.6 56.4





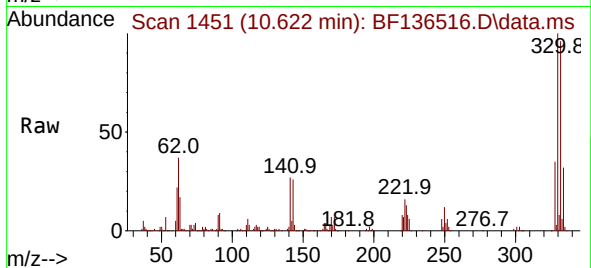
#42  
2,4,6-Tribromophenol  
Concen: 121.348 ng  
RT: 10.622 min Scan# 1453  
Delta R.T. -0.012 min  
Lab File: BF136516.D  
Acq: 12 Dec 2023 15:14

Instrument :

BNA\_F

ClientSampleId :

SB-03-COMP



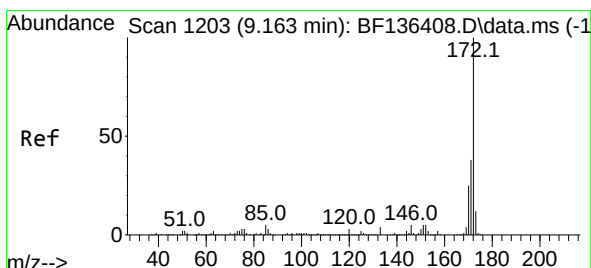
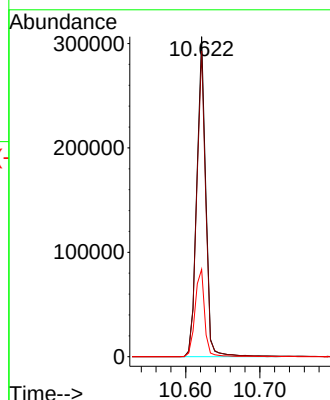
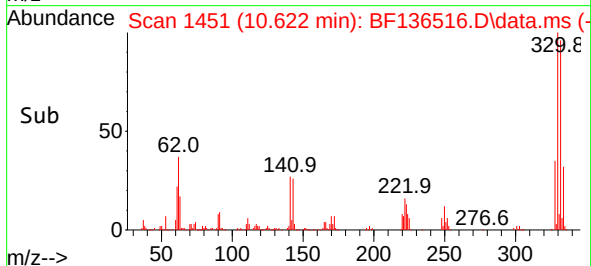
Tgt Ion:330 Resp: 25702  
Ion Ratio Lower Upper  
330 100  
332 96.1 76.4 114.6  
141 29.3 23.4 35.2

Manual Integrations

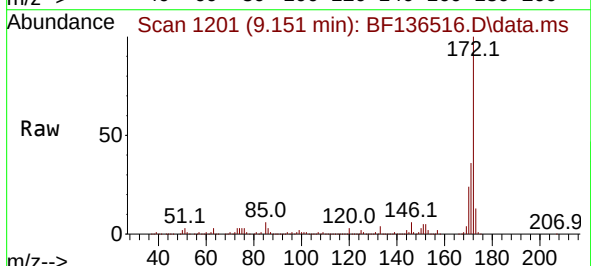
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Reviewed By :Yogesh Patel 12/14/2023

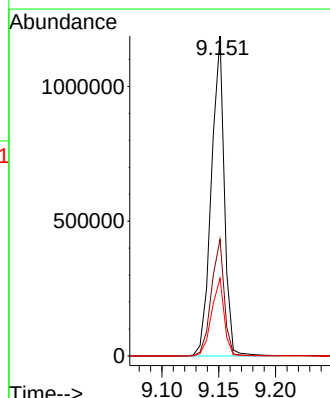
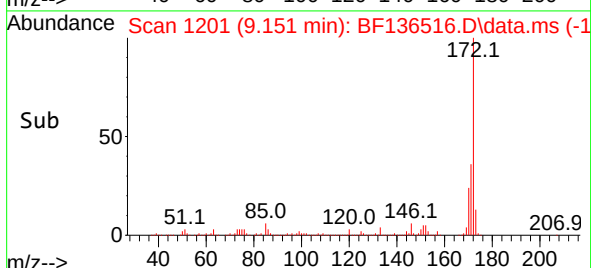
Supervised By :mohammad ahmed 12/14/2023

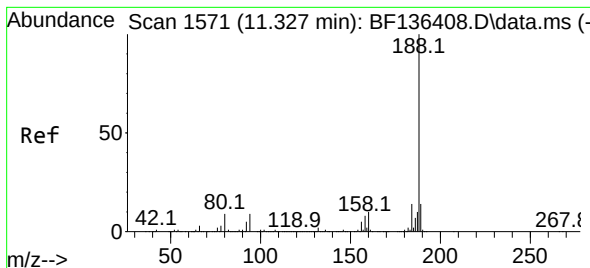


#45  
2-Fluorobiphenyl  
Concen: 74.679 ng  
RT: 9.151 min Scan# 1201  
Delta R.T. -0.012 min  
Lab File: BF136516.D  
Acq: 12 Dec 2023 15:14



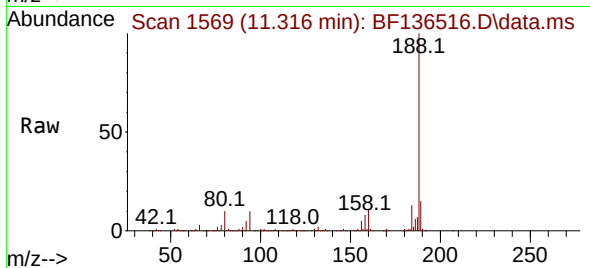
Tgt Ion:172 Resp: 940151  
Ion Ratio Lower Upper  
172 100  
171 36.5 30.5 45.7  
170 24.2 19.9 29.9





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.316 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF136516.D  
Acq: 12 Dec 2023 15:14

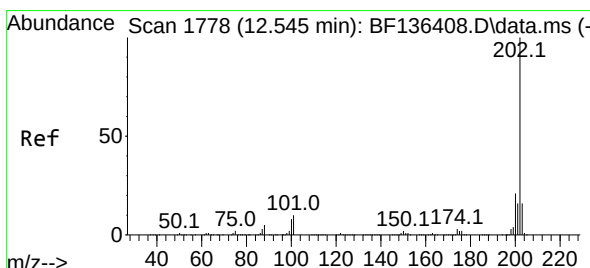
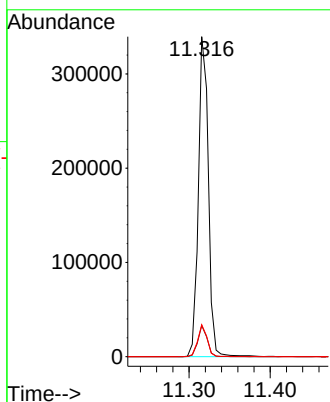
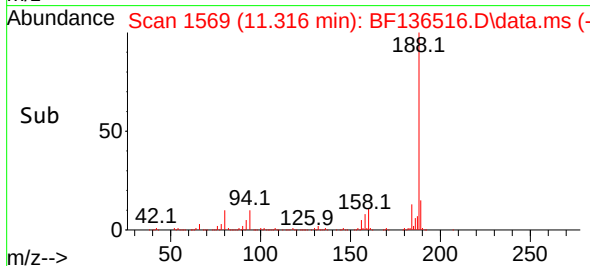
Instrument :  
BNA\_F  
ClientSampleId :  
SB-03-COMP



Tgt Ion:188 Resp: 29143  
Ion Ratio Lower Upper  
188 100  
94 9.7 7.2 10.8  
80 10.0 7.2 10.8

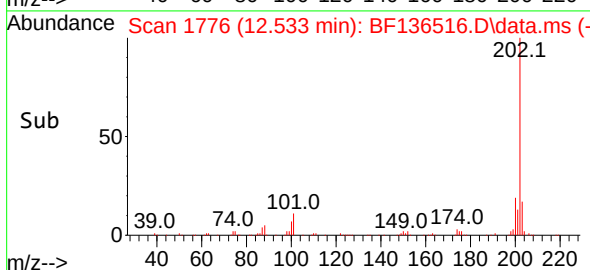
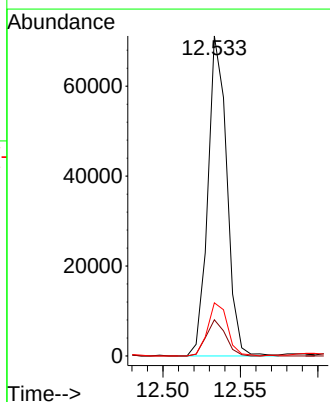
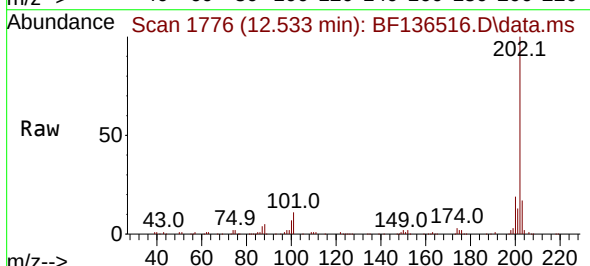
Manual Integrations  
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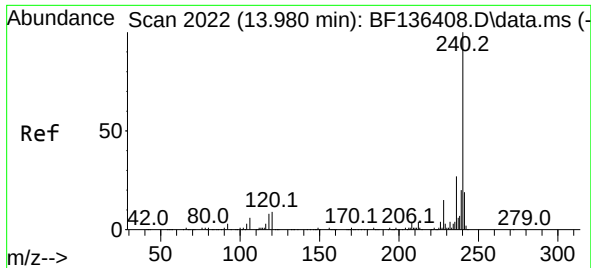
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#75  
Fluoranthene  
Concen: 3.597 ng  
RT: 12.533 min Scan# 1776  
Delta R.T. -0.012 min  
Lab File: BF136516.D  
Acq: 12 Dec 2023 15:14

Tgt Ion:202 Resp: 60388  
Ion Ratio Lower Upper  
202 100  
101 11.3 0.0 29.9  
203 16.6 0.0 36.3





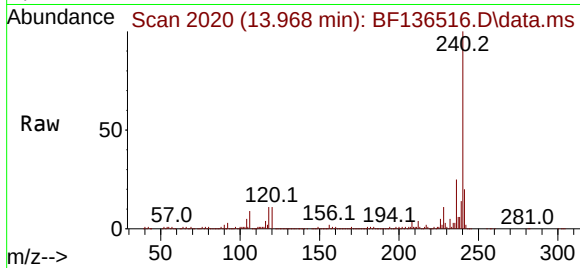
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.968 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: BF136516.D  
Acq: 12 Dec 2023 15:14

Instrument :

BNA\_F

ClientSampleId :

SB-03-COMP

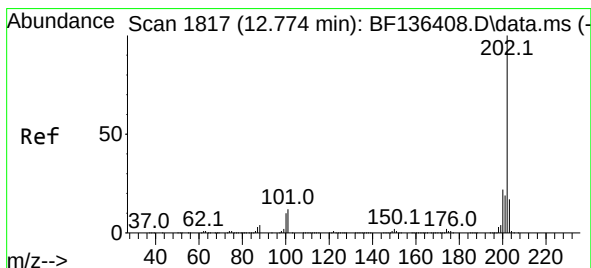
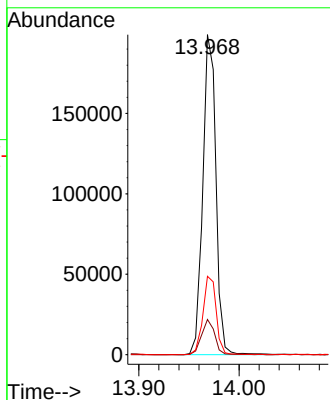
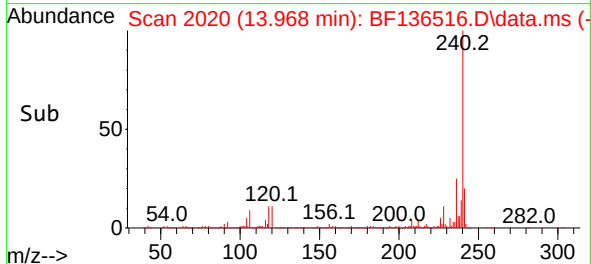


Tgt Ion:240 Resp: 181915  
Ion Ratio Lower Upper  
240 100  
120 11.0 7.3 10.9  
236 24.5 21.3 31.9

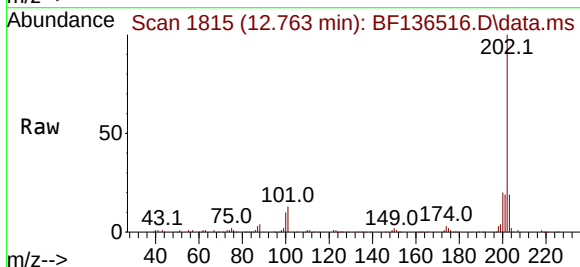
Manual Integrations

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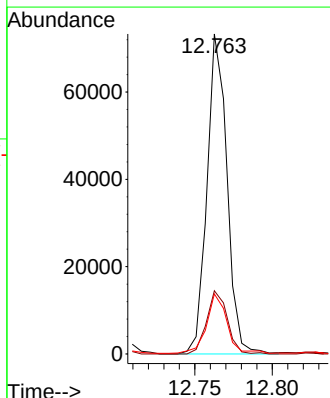
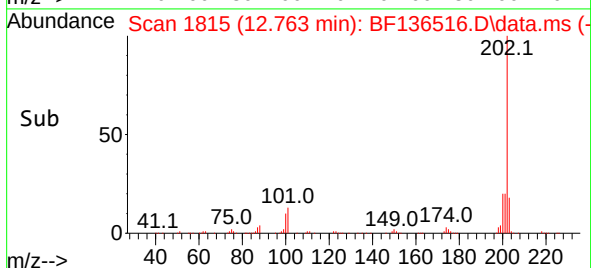
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



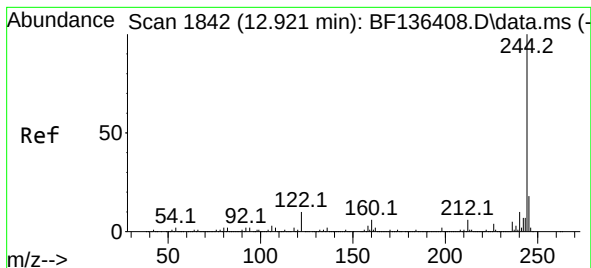
#78  
Pyrene  
Concen: 3.697 ng  
RT: 12.763 min Scan# 1815  
Delta R.T. -0.012 min  
Lab File: BF136516.D  
Acq: 12 Dec 2023 15:14



Tgt Ion:202 Resp: 65862  
Ion Ratio Lower Upper  
202 100  
200 19.7 18.0 27.0  
203 18.7 13.5 20.3







#79

Terphenyl-d14

Concen: 67.944 ng

RT: 12.916 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136516.D

Acq: 12 Dec 2023 15:14

Instrument :

BNA\_F

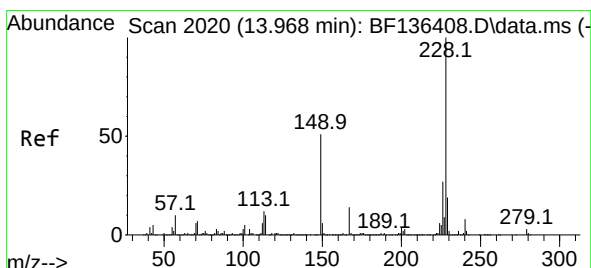
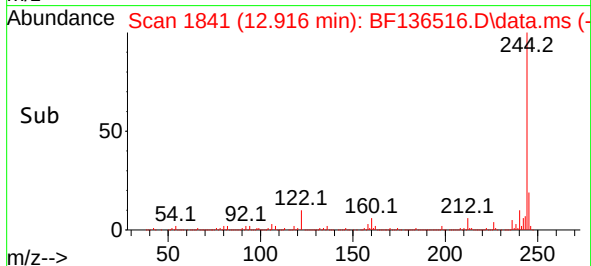
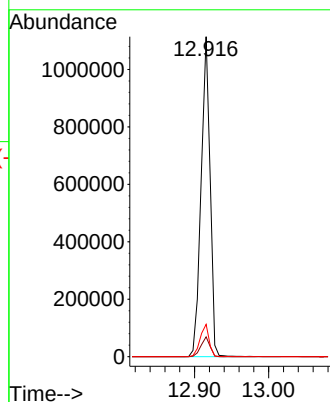
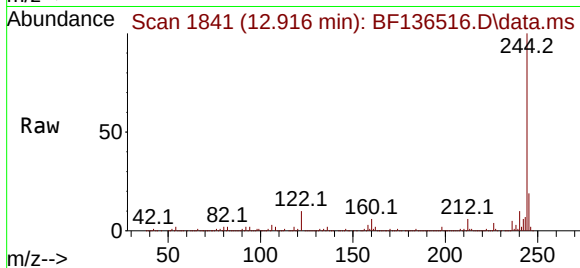
ClientSampleId :

SB-03-COMP

Tgt Ion:244 Resp: 93775  
 Ion Ratio Lower Upper  
 244 100  
 212 6.2 5.0 7.4  
 122 10.1 8.3 12.5

Manual Integrations  
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#81

Benzo(a)anthracene

Concen: 4.511 ng m

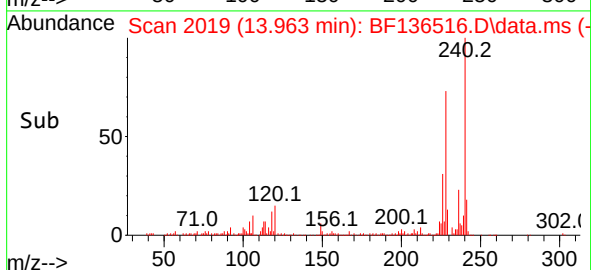
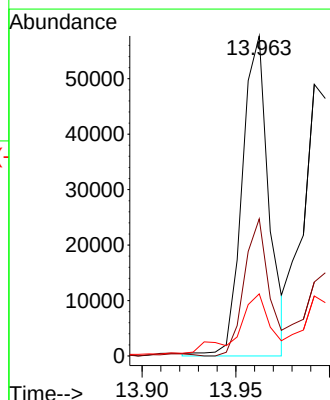
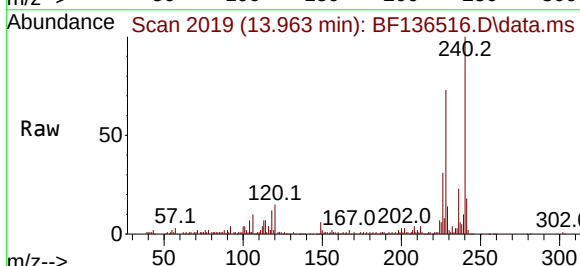
RT: 13.963 min Scan# 2019

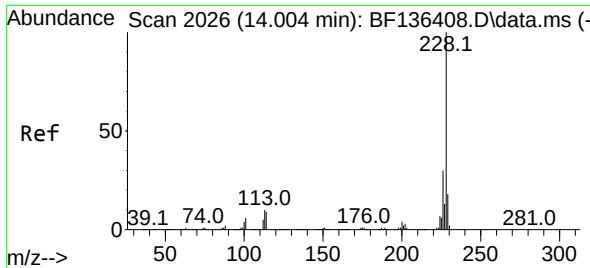
Delta R.T. -0.006 min

Lab File: BF136516.D

Acq: 12 Dec 2023 15:14

Tgt Ion:228 Resp: 57158  
 Ion Ratio Lower Upper  
 228 100  
 226 42.9 21.8 32.8#  
 229 19.4 15.0 22.4





#83  
Chrysene  
Concen: 4.436 ng  
RT: 13.992 min Scan# 2026  
Delta R.T. -0.012 min  
Lab File: BF136516.D  
Acq: 12 Dec 2023 15:14

Instrument :

BNA\_F

ClientSampleId :

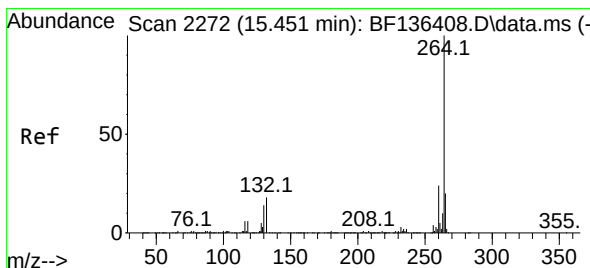
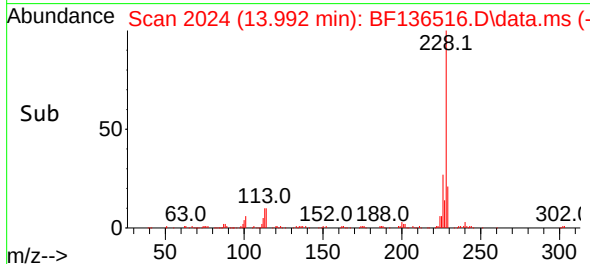
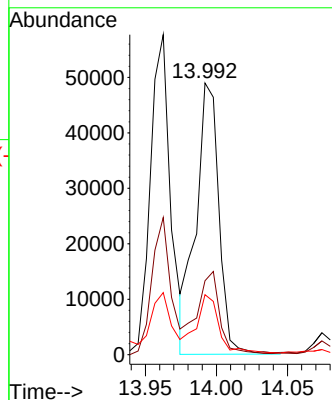
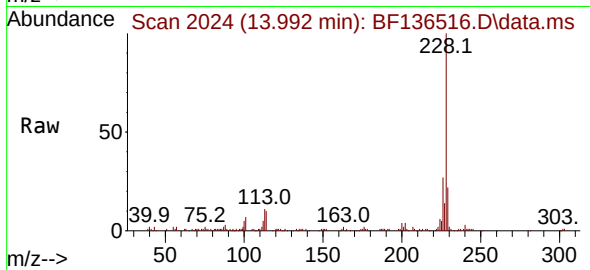
SB-03-COMP

Tgt Ion:228 Resp: 55300  
Ion Ratio Lower Upper  
228 100  
226 27.2 23.8 35.6  
229 22.1 14.8 22.2

Manual Integrations

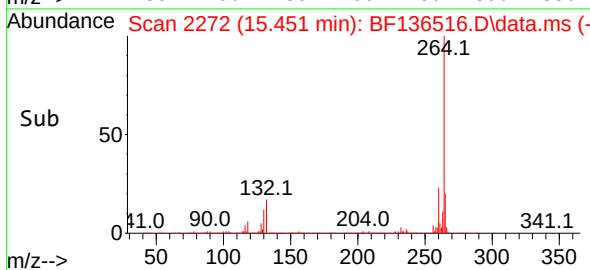
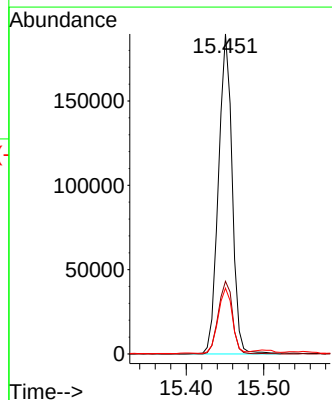
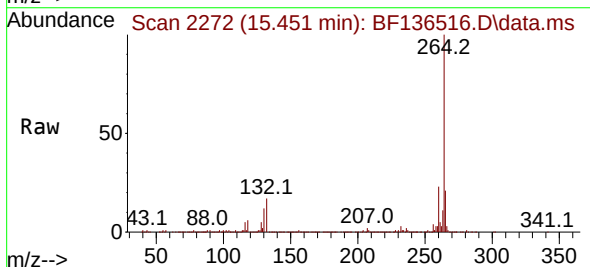
APPROVED

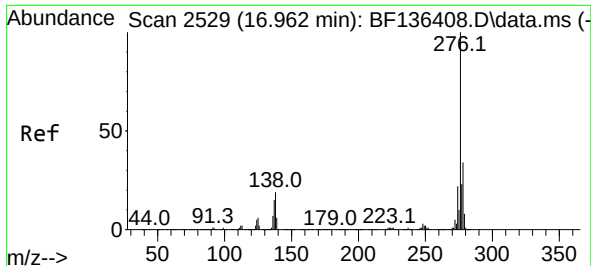
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.451 min Scan# 2272  
Delta R.T. -0.000 min  
Lab File: BF136516.D  
Acq: 12 Dec 2023 15:14

Tgt Ion:264 Resp: 232915  
Ion Ratio Lower Upper  
264 100  
260 22.7 19.2 28.8  
265 20.6 15.9 23.9





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 4.372 ng  
RT: 16.945 min Scan# 2198  
Delta R.T. -0.018 min  
Lab File: BF136516.D  
Acq: 12 Dec 2023 15:14

Instrument :

BNA\_F

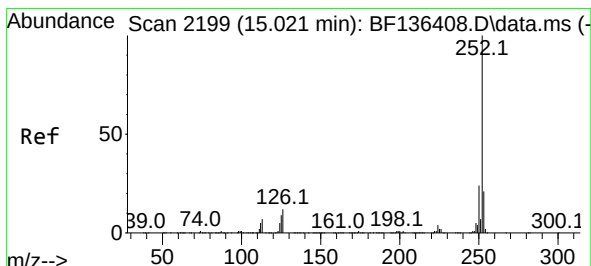
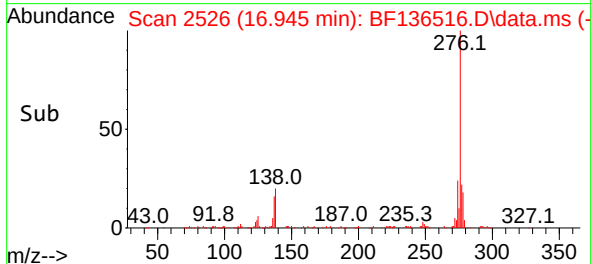
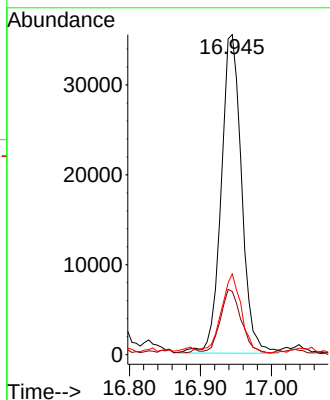
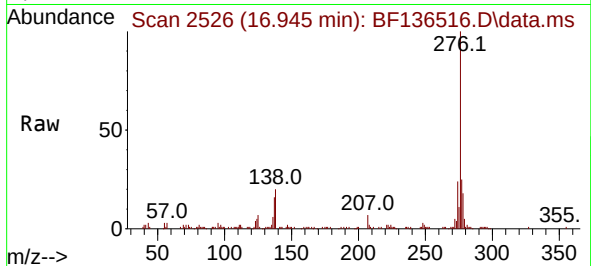
ClientSampleId :

SB-03-COMP

Tgt Ion:276 Resp: 7075  
Ion Ratio Lower Upper  
276 100  
138 20.6 19.0 28.4  
277 24.1 20.0 30.0

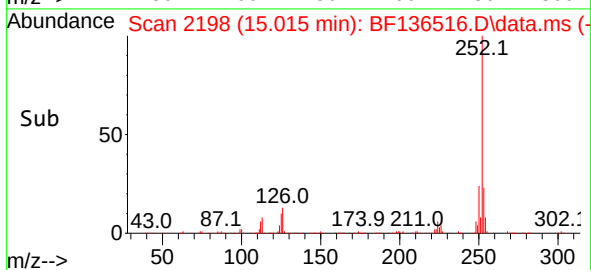
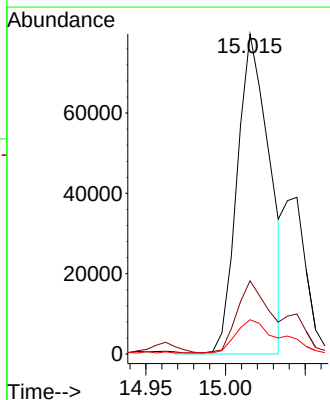
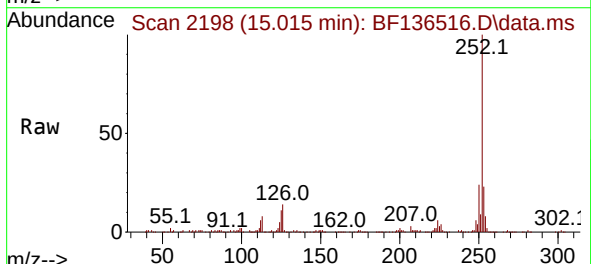
Manual Integrations  
APPROVED

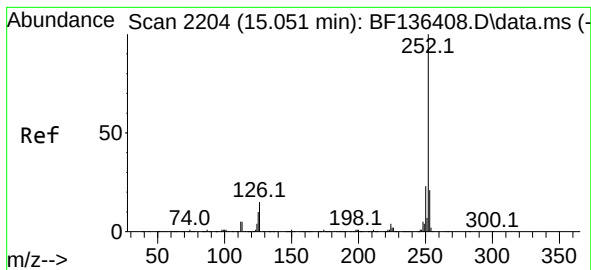
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#88  
Benzo(b)fluoranthene  
Concen: 7.046 ng m  
RT: 15.015 min Scan# 2198  
Delta R.T. -0.006 min  
Lab File: BF136516.D  
Acq: 12 Dec 2023 15:14

Tgt Ion:252 Resp: 112205  
Ion Ratio Lower Upper  
252 100  
253 22.8 16.9 25.3  
125 10.7 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 2.563 ng m

RT: 15.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136516.D

Acq: 12 Dec 2023 15:14

Instrument :

BNA\_F

ClientSampleId :

SB-03-COMP

Tgt Ion:252 Resp: 3846

Ion Ratio Lower Upper

252 100

253 25.6 16.9 25.3

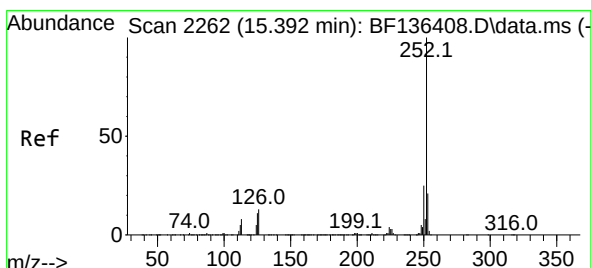
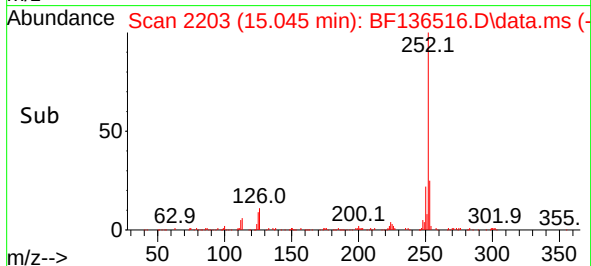
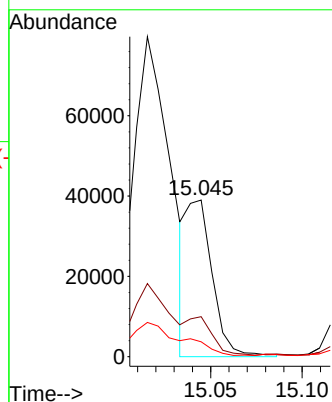
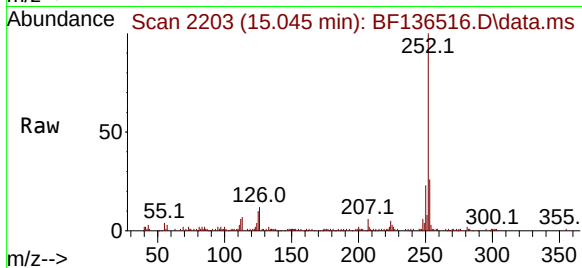
125 9.5 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#90

Benzo(a)pyrene

Concen: 5.941 ng

RT: 15.386 min Scan# 2261

Delta R.T. -0.006 min

Lab File: BF136516.D

Acq: 12 Dec 2023 15:14

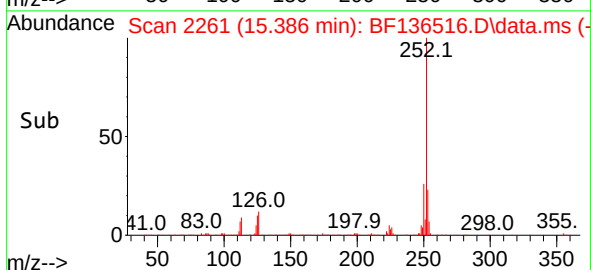
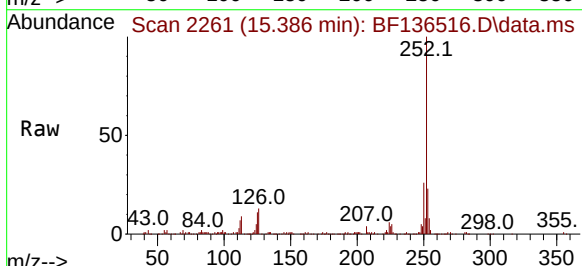
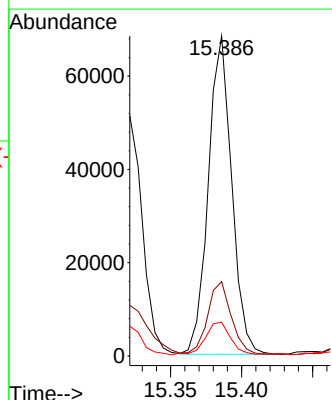
Tgt Ion:252 Resp: 78133

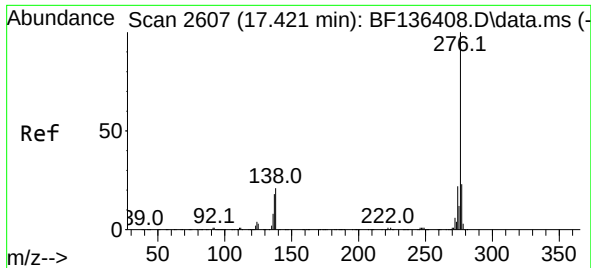
Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.4

125 10.6 8.6 13.0





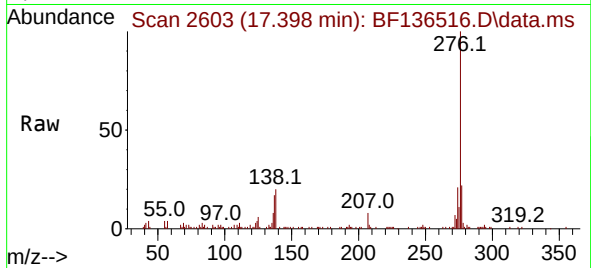
#92  
 Benzo(g,h,i)perylene  
 Concen: 4.851 ng  
 RT: 17.398 min Scan# 20  
 Delta R.T. -0.024 min  
 Lab File: BF136516.D  
 Acq: 12 Dec 2023 15:14

Instrument :

BNA\_F

ClientSampleId :

SB-03-COMP



Tgt Ion:276 Resp: 66000  
 Ion Ratio Lower Upper  
 276 100  
 277 21.8 18.7 28.1  
 138 20.4 16.6 25.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023

