

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091922\  
 Data File : BF130331.D  
 Acq On : 19 Sep 2022 20:57  
 Operator : CG\JU  
 Sample : N4613-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SASP2-T-6-(10-18)

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 09/20/2022  
 Supervised By : Jagrut Upadhyay 09/20/2022

Quant Time: Sep 20 02:29:23 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 19 15:06:14 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.663  | 152  | 100832   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.945  | 136  | 376469   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 9.692  | 164  | 164038   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.169 | 188  | 219916   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.798 | 240  | 214795   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.192 | 264  | 196680   | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.281  | 112  | 544279   | 93.624 | ng    | 0.02     |
| 7) Phenol-d6                | 6.316  | 99   | 657157   | 90.344 | ng    | 0.02     |
| 23) Nitrobenzene-d5         | 7.228  | 82   | 425665   | 57.765 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.481 | 330  | 59378    | 37.777 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.022  | 172  | 723333   | 64.211 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.757 | 244  | 561223   | 43.281 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| Target Compounds            |        |      |          |        |       | Qvalue   |
| 71) Phenanthrene            | 11.192 | 178  | 58894    | 4.770  | ng    | 98       |
| 75) Fluoranthene            | 12.380 | 202  | 148202   | 12.422 | ng    | 96       |
| 78) Pyrene                  | 12.604 | 202  | 148519   | 7.904  | ng    | 100      |
| 81) Benzo(a)anthracene      | 13.786 | 228  | 95514    | 6.684  | ng    | 97       |
| 83) Chrysene                | 13.822 | 228  | 94756    | 6.984  | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 14.798 | 252  | 101294m  | 7.891  | ng    |          |
| 89) Benzo(k)fluoranthene    | 14.821 | 252  | 31272m   | 2.476  | ng    |          |
| 90) Benzo(a)pyrene          | 15.127 | 252  | 63159    | 6.210  | ng    | # 93     |
| -----                       |        |      |          |        |       |          |

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

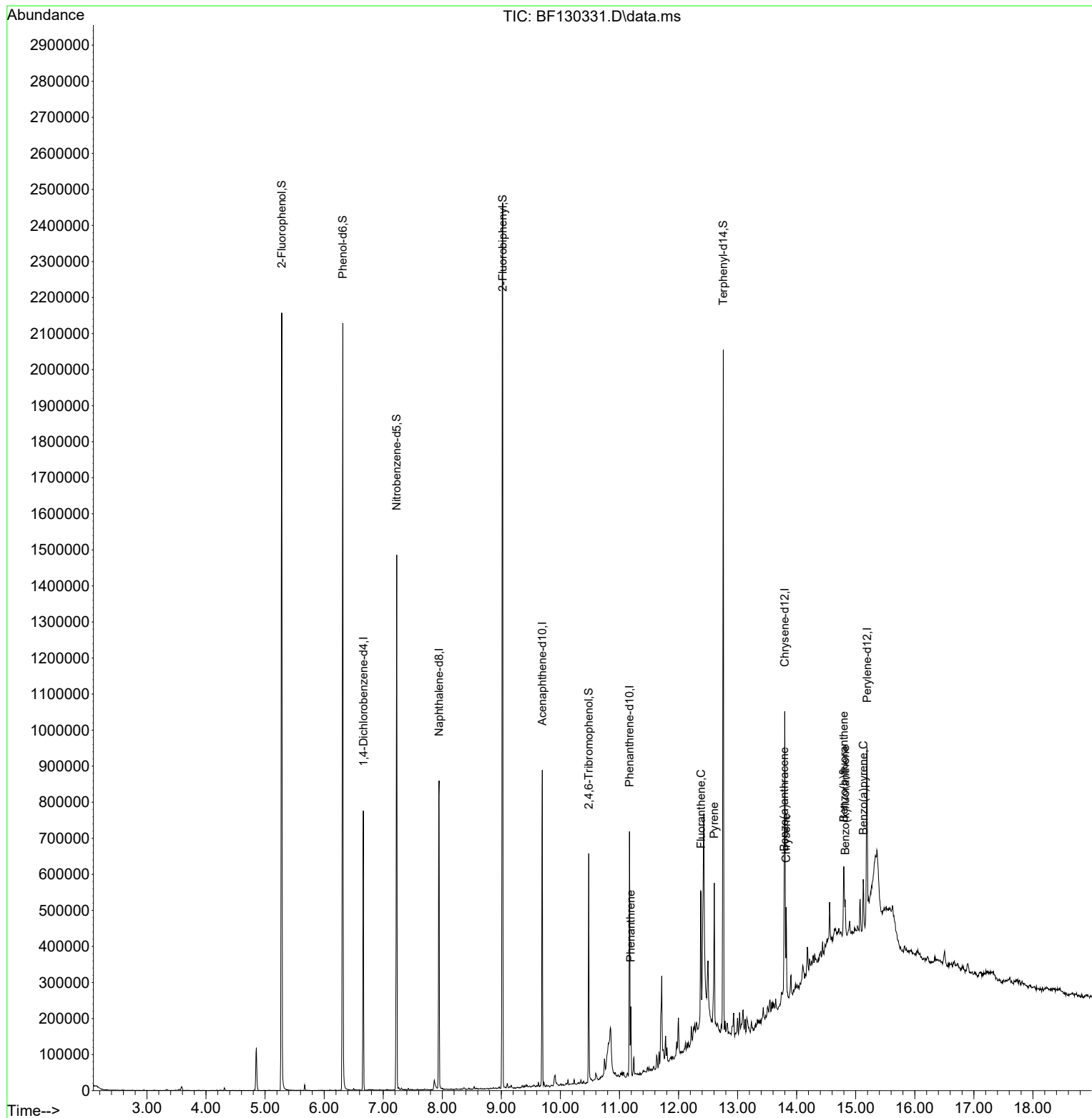
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091922\  
Data File : BF130331.D  
Acq On : 19 Sep 2022 20:57  
Operator : CG\JU  
Sample : N4613-01  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

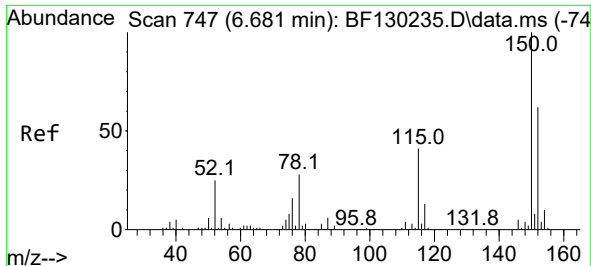
Instrument :  
BNA\_F  
ClientSampleId :  
SASP2-T-6-(10-18)

Quant Time: Sep 20 02:29:23 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Sep 19 15:06:14 2022  
Response via : Initial Calibration

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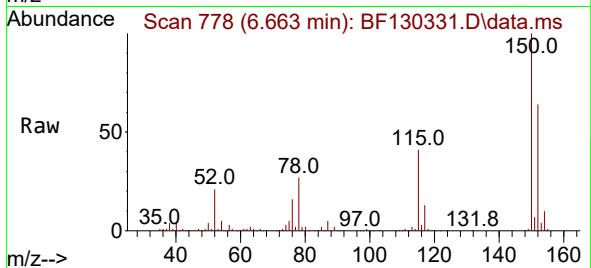
Reviewed By : Christian Giraldo 09/20/2022  
Supervised By : Jagrut Upadhyay 09/20/2022





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.663 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF130331.D  
Acq: 19 Sep 2022 20:57

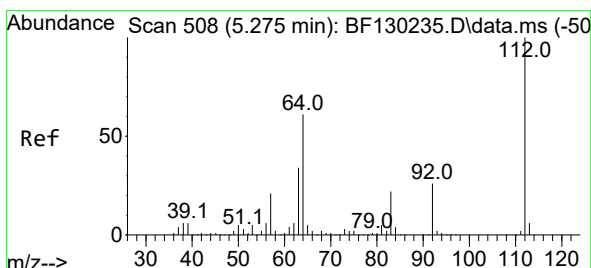
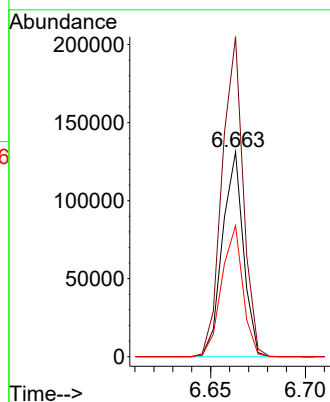
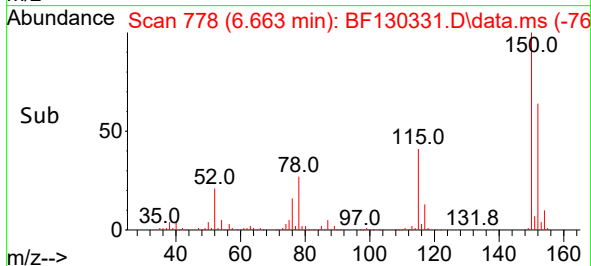
Instrument :  
BNA\_F  
ClientSampleId :  
SASP2-T-6-(10-18)



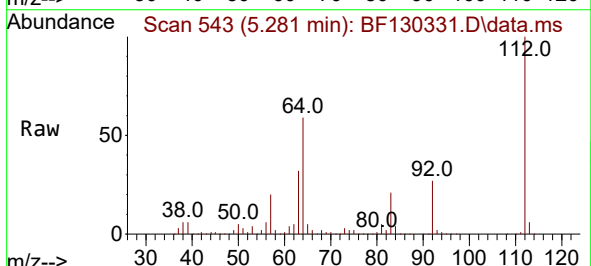
Tgt Ion:152 Resp: 100832  
Ion Ratio Lower Upper  
152 100  
150 156.3 122.8 184.2  
115 64.0 53.8 80.8

Manual Integrations  
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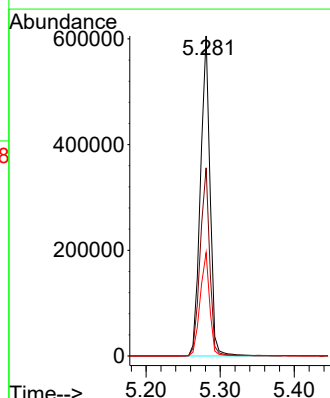
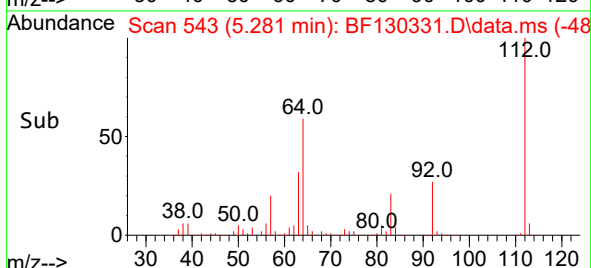
Reviewed By :Christian Giraldo 09/20/2022  
Supervised By :Jagrut Upadhyay 09/20/2022

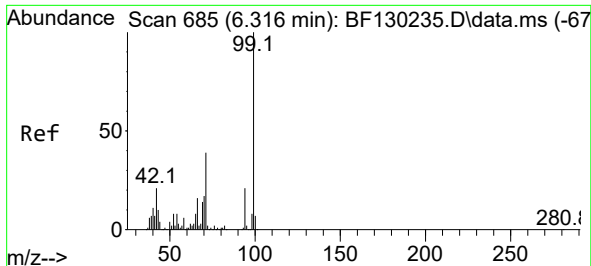


#5  
2-Fluorophenol  
Concen: 93.624 ng  
RT: 5.281 min Scan# 543  
Delta R.T. 0.024 min  
Lab File: BF130331.D  
Acq: 19 Sep 2022 20:57



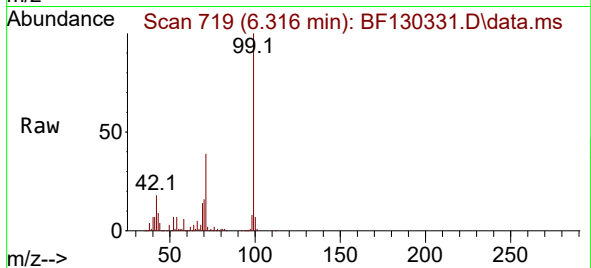
Tgt Ion:112 Resp: 544279  
Ion Ratio Lower Upper  
112 100  
64 58.8 51.4 77.0  
63 32.3 28.8 43.2





#7  
Phenol-d6  
Concen: 90.344 ng  
RT: 6.316 min Scan# 71  
Delta R.T. 0.018 min  
Lab File: BF130331.D  
Acq: 19 Sep 2022 20:57

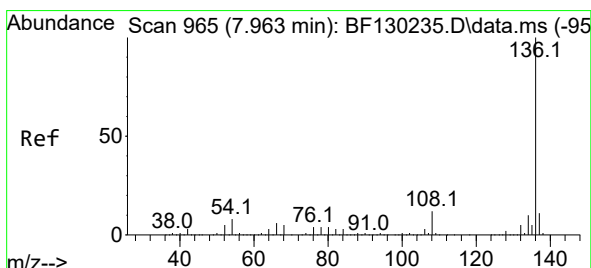
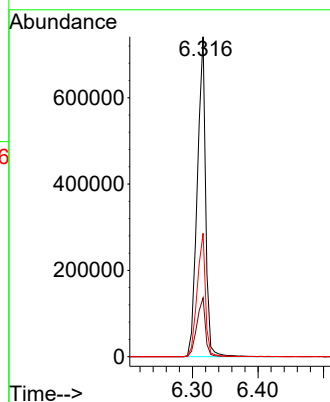
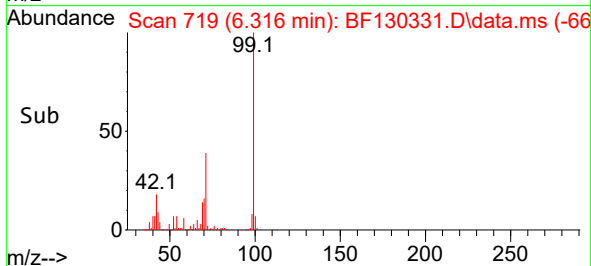
Instrument :  
BNA\_F  
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Tgt Ion: 99 Resp: 65715  
Ion Ratio Lower Upper  
99 100  
42 18.4 17.0 25.6  
71 38.6 32.3 48.5

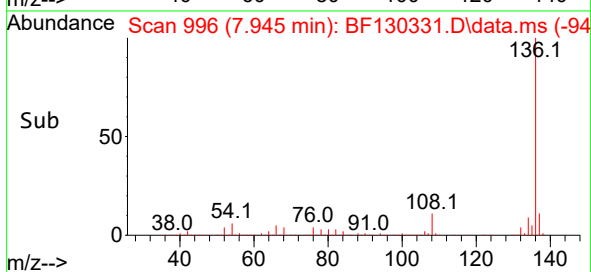
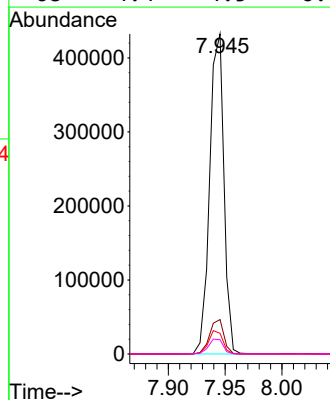
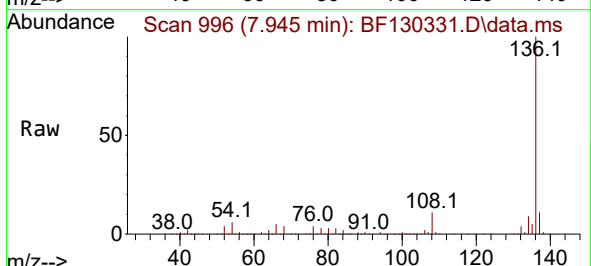
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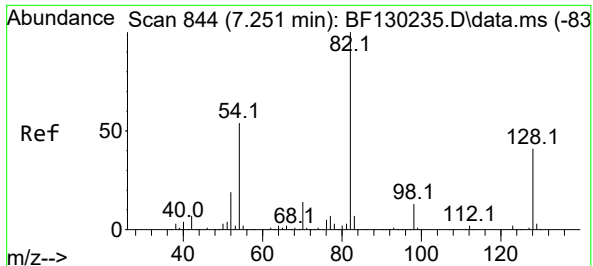
Reviewed By :Christian Giraldo 09/20/2022  
Supervised By :Jagrut Upadhyay 09/20/2022



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.945 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: BF130331.D  
Acq: 19 Sep 2022 20:57

Tgt Ion:136 Resp: 376469  
Ion Ratio Lower Upper  
136 100  
137 10.8 9.1 13.7  
54 6.5 7.1 10.7#  
68 4.4 4.5 6.7#





#23

Nitrobenzene-d5

Concen: 57.765 ng

RT: 7.228 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF130331.D

Acq: 19 Sep 2022 20:57

Instrument :

BNA\_F

ClientSampleId :

SASP2-T-6-(10-18)

Tgt Ion: 82 Resp: 42566

Ion Ratio Lower Upper

82 100

128 43.8 32.6 49.0

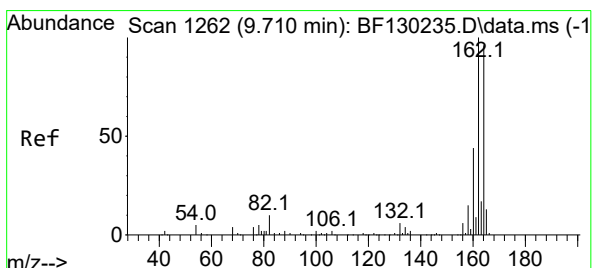
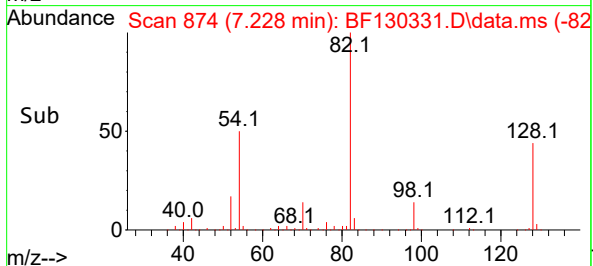
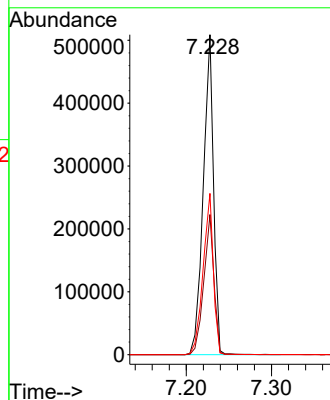
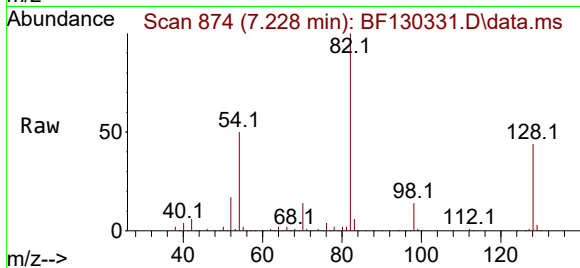
54 50.4 43.8 65.6

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.692 min Scan# 1293

Delta R.T. 0.000 min

Lab File: BF130331.D

Acq: 19 Sep 2022 20:57

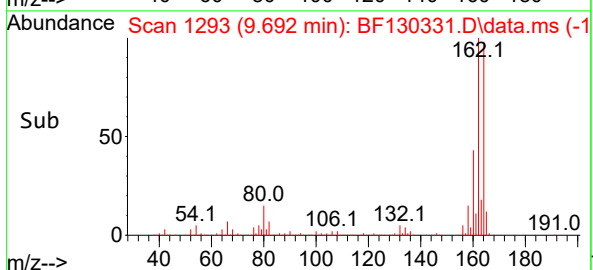
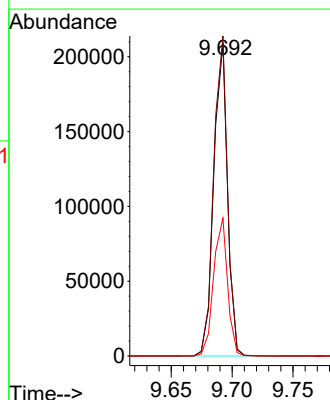
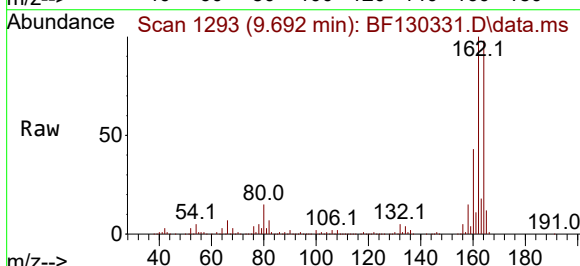
Tgt Ion:164 Resp: 164038

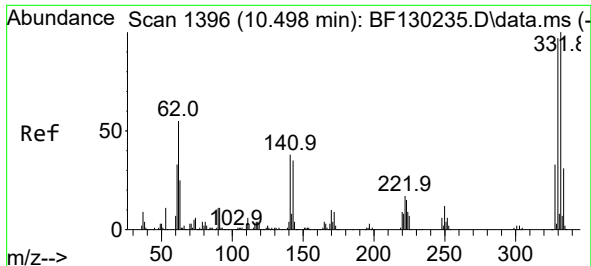
Ion Ratio Lower Upper

164 100

162 102.4 81.4 122.0

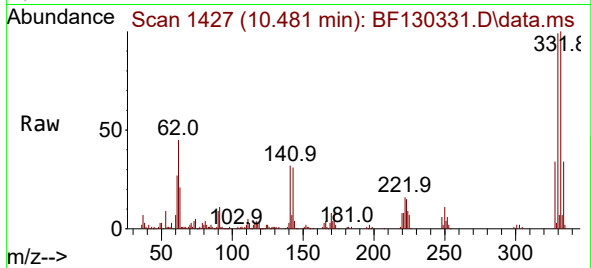
160 44.1 36.2 54.4





#42  
2,4,6-Tribromophenol  
Concen: 37.777 ng  
RT: 10.481 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: BF130331.D  
Acq: 19 Sep 2022 20:57

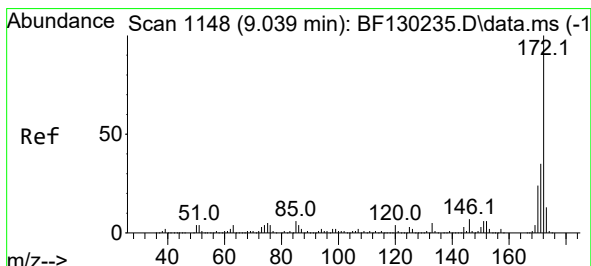
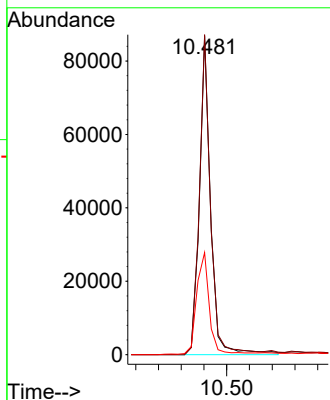
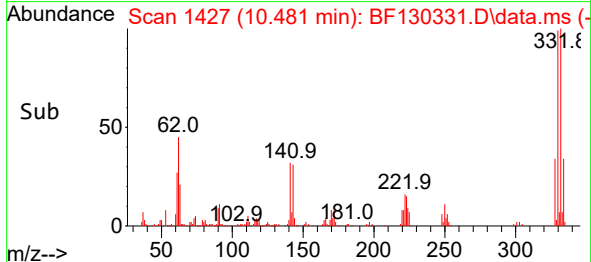
Instrument :  
BNA\_F  
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SASP2-T-6-(10-18)



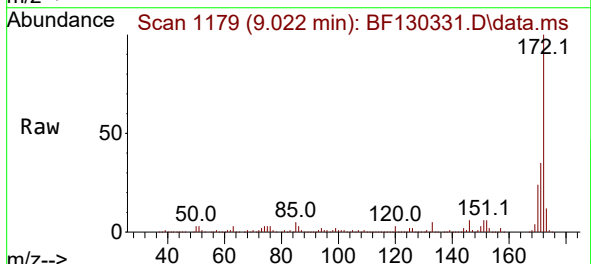
Tgt Ion: 330 Resp: 59378  
Ion Ratio Lower Upper  
330 100  
332 99.8 83.4 125.2  
141 37.0 34.0 51.0

Manual Integrations  
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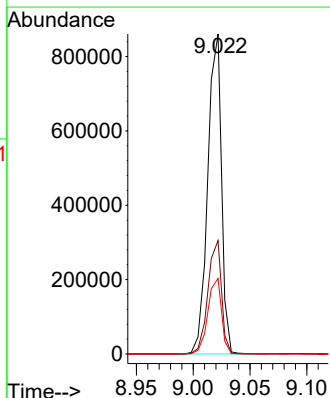
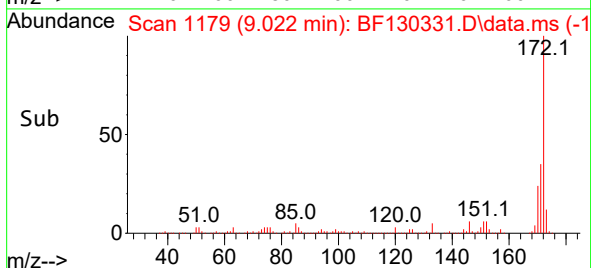
Reviewed By : Christian Giraldo 09/20/2022  
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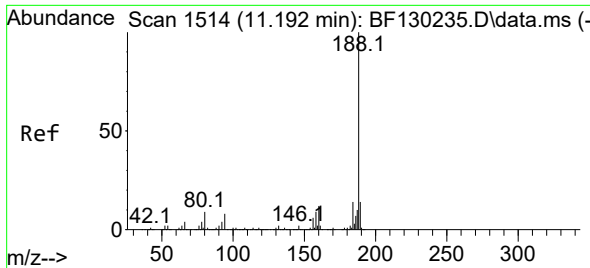


#45  
2-Fluorobiphenyl  
Concen: 64.211 ng  
RT: 9.022 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: BF130331.D  
Acq: 19 Sep 2022 20:57



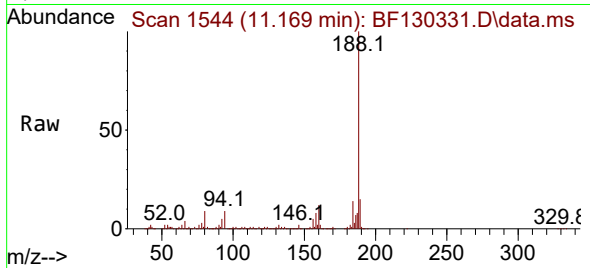
Tgt Ion: 172 Resp: 723333  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.3 42.5  
170 23.6 18.7 28.1





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.169 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF130331.D  
Acq: 19 Sep 2022 20:57

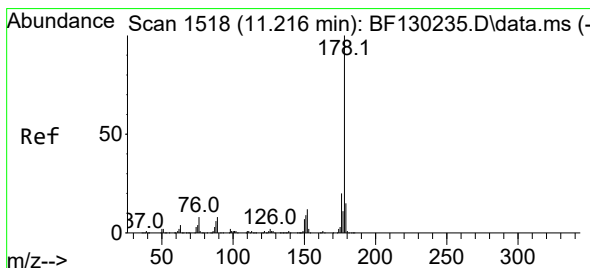
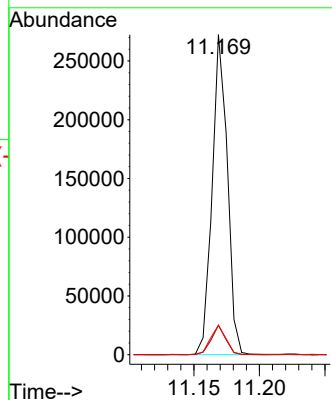
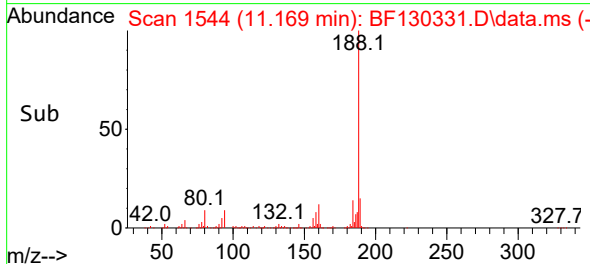
Instrument :  
BNA\_F  
ClientSampleId :  
SASP2-T-6-(10-18)



Tgt Ion:188 Resp: 219910  
Ion Ratio Lower Upper  
188 100  
94 9.2 7.4 11.2  
80 9.2 7.9 11.9

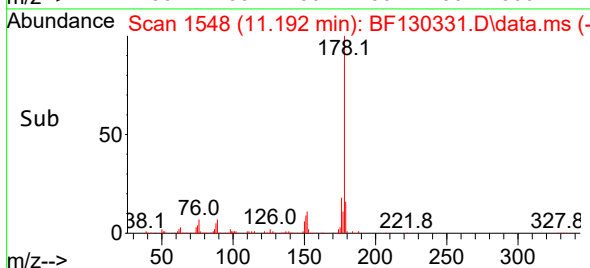
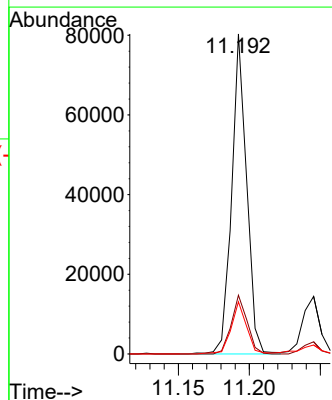
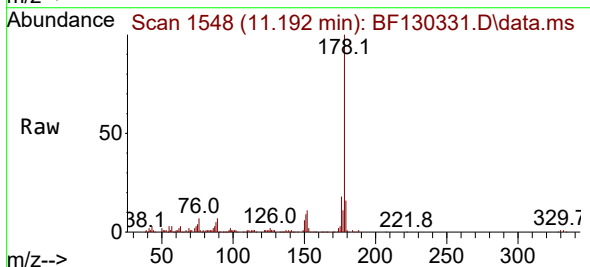
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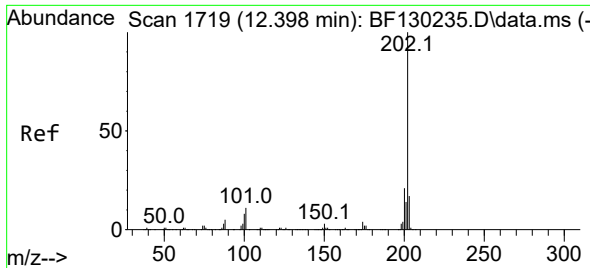
Reviewed By :Christian Giraldo 09/20/2022  
Supervised By :Jagrut Upadhyay 09/20/2022



#71  
Phenanthrene  
Concen: 4.770 ng  
RT: 11.192 min Scan# 1548  
Delta R.T. -0.006 min  
Lab File: BF130331.D  
Acq: 19 Sep 2022 20:57

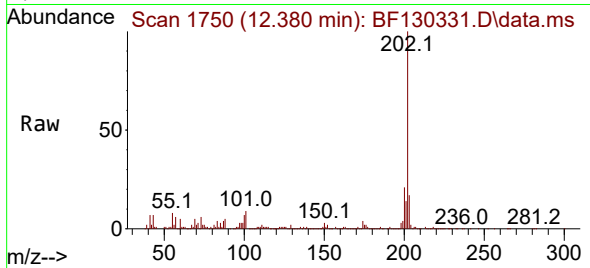
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Ion Ratio Lower Upper  
178 100  
176 18.3 15.4 23.0  
179 16.3 12.4 18.6





#75  
Fluoranthene  
Concen: 12.422 ng  
RT: 12.380 min Scan# 1719  
Delta R.T. 0.000 min  
Lab File: BF130331.D  
Acq: 19 Sep 2022 20:57

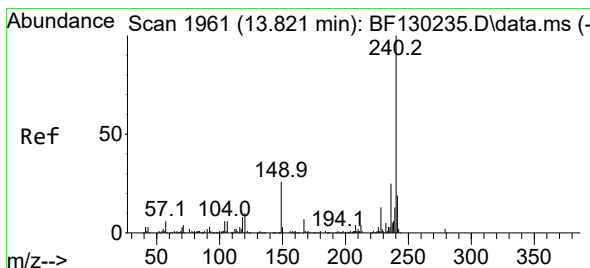
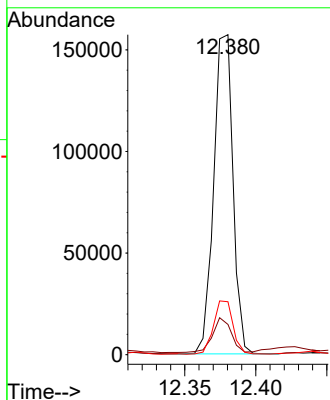
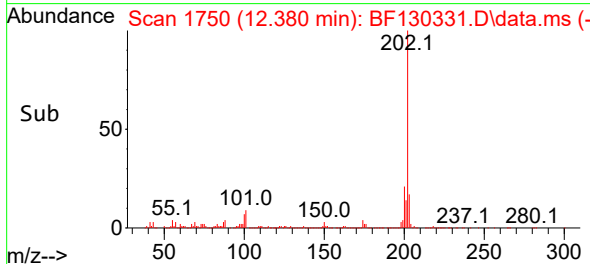
Instrument :  
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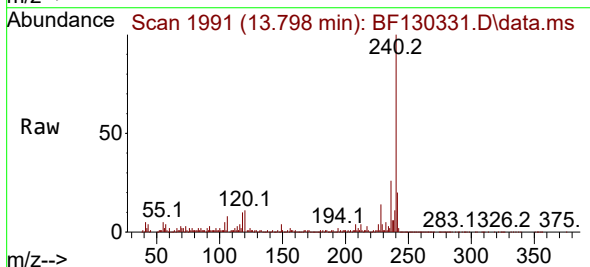
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101 9.5 0.0 31.8  
203 16.6 0.0 37.8

Manual Integrations  
APPROVED

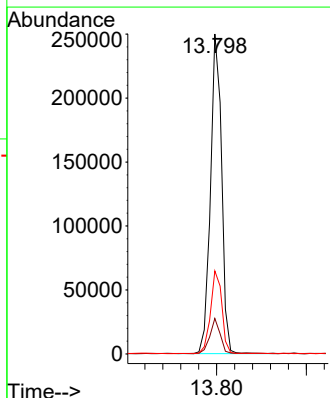
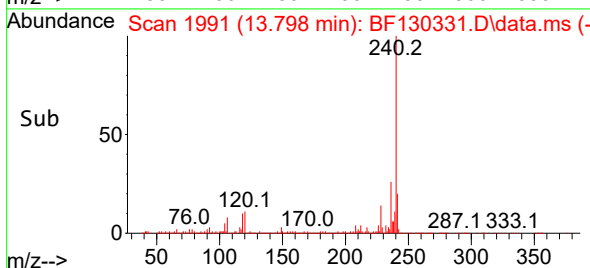
Reviewed By :Christian Giraldo 09/20/2022  
Supervised By :Jagrut Upadhyay 09/20/2022

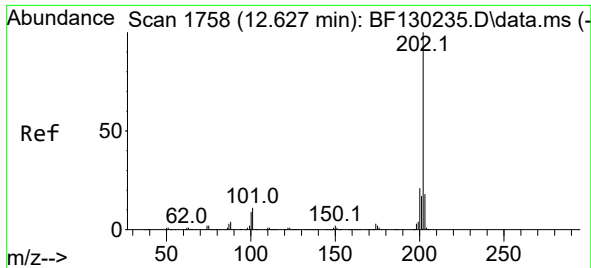


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.798 min Scan# 1991  
Delta R.T. -0.006 min  
Lab File: BF130331.D  
Acq: 19 Sep 2022 20:57



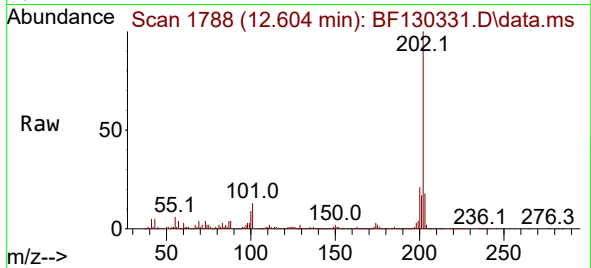
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Ion Ratio Lower Upper  
240 100  
120 11.1 8.7 13.1  
236 26.0 20.9 31.3





#78  
 Pyrene  
 Concen: 7.904 ng  
 RT: 12.604 min Scan# 1814  
 Delta R.T. -0.006 min  
 Lab File: BF130331.D  
 Acq: 19 Sep 2022 20:57

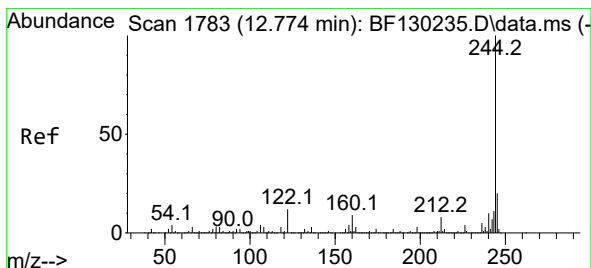
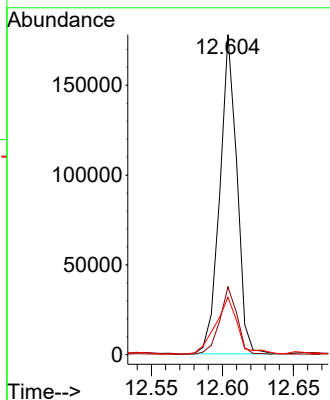
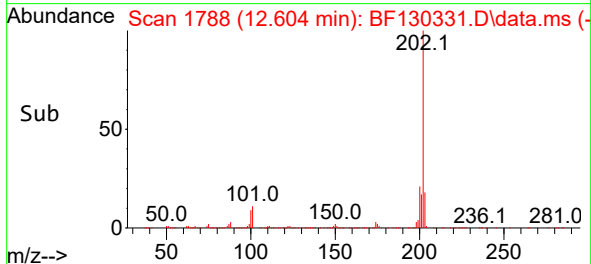
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SASP2-T-6-(10-18)



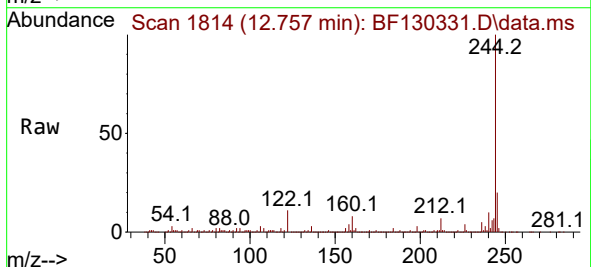
Tgt Ion:202 Resp: 148519  
 Ion Ratio Lower Upper  
 202 100  
 200 21.2 17.2 25.8  
 203 18.0 14.3 21.5

Manual Integrations  
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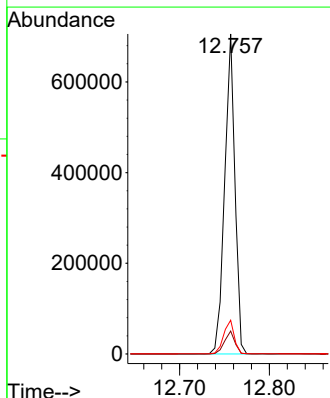
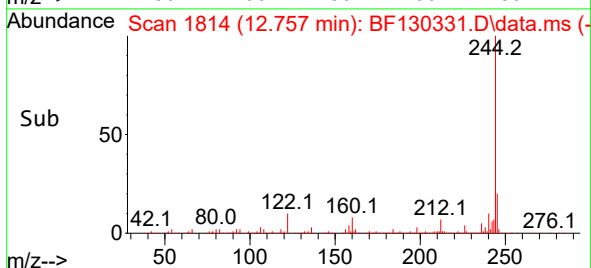
Reviewed By :Christian Giraldo 09/20/2022  
 Supervised By :Jagrut Upadhyay 09/20/2022

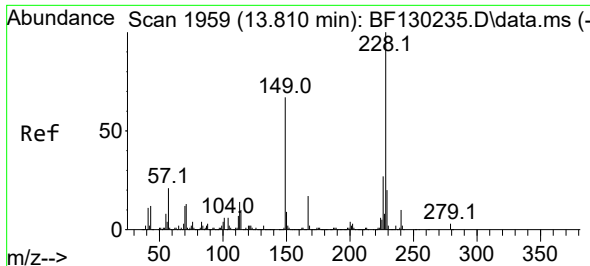


#79  
 Terphenyl-d14  
 Concen: 43.281 ng  
 RT: 12.757 min Scan# 1814  
 Delta R.T. 0.000 min  
 Lab File: BF130331.D  
 Acq: 19 Sep 2022 20:57



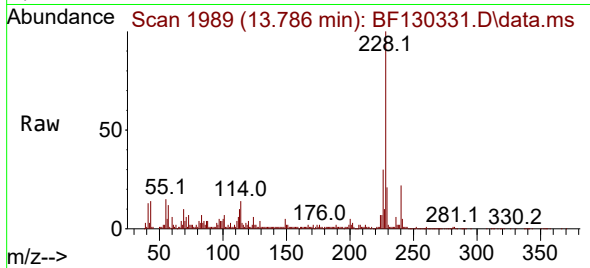
Tgt Ion:244 Resp: 561223  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.9 8.9  
 122 10.5 8.5 12.7





#81  
Benzo(a)anthracene  
Concen: 6.684 ng  
RT: 13.786 min Scan# 1959  
Delta R.T. -0.006 min  
Lab File: BF130331.D  
Acq: 19 Sep 2022 20:57

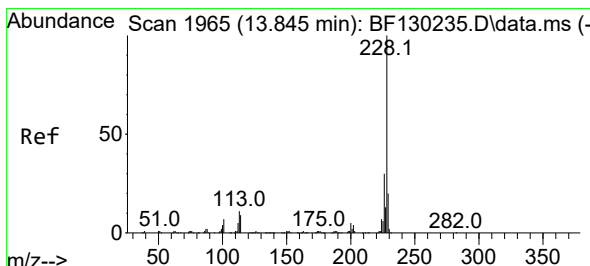
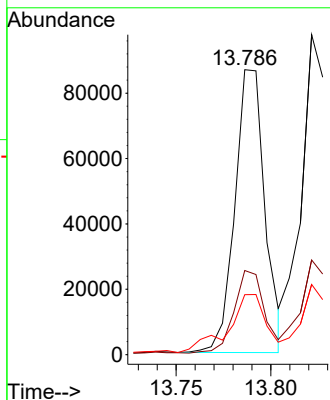
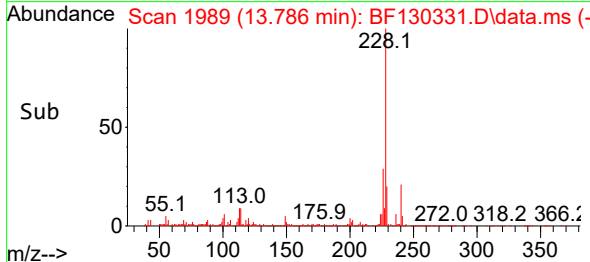
Instrument :  
BNA\_F  
ClientSampleId :  
SASP2-T-6-(10-18)



Tgt Ion:228 Resp: 95514  
Ion Ratio Lower Upper  
228 100  
226 29.5 21.9 32.9  
229 21.0 16.1 24.1

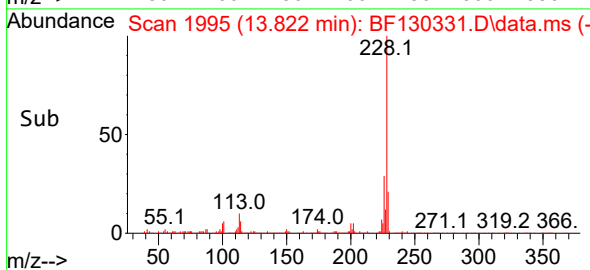
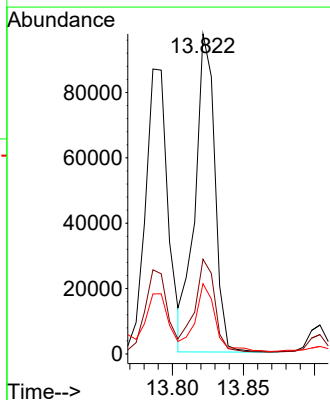
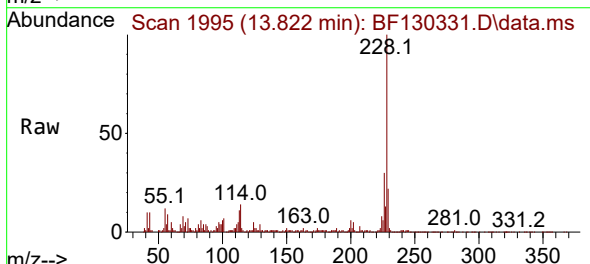
Manual Integrations  
APPROVED

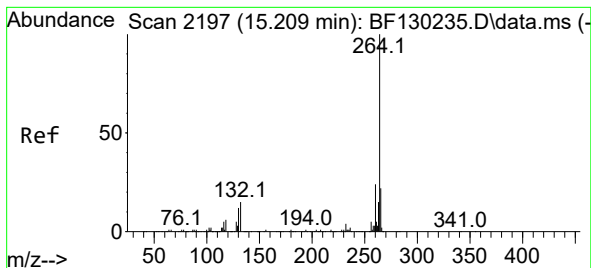
Reviewed By :Christian Giraldo 09/20/2022  
Supervised By :Jagrut Upadhyay 09/20/2022



#83  
Chrysene  
Concen: 6.984 ng  
RT: 13.822 min Scan# 1995  
Delta R.T. -0.006 min  
Lab File: BF130331.D  
Acq: 19 Sep 2022 20:57

Tgt Ion:228 Resp: 94756  
Ion Ratio Lower Upper  
228 100  
226 29.6 23.8 35.8  
229 21.9 15.3 22.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.192 min Scan# 2197

Delta R.T. 0.006 min

Lab File: BF130331.D

Acq: 19 Sep 2022 20:57

Instrument :

BNA\_F

ClientSampleId :

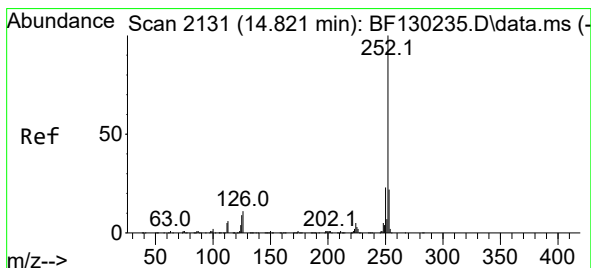
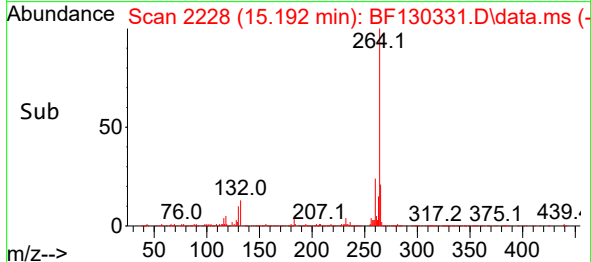
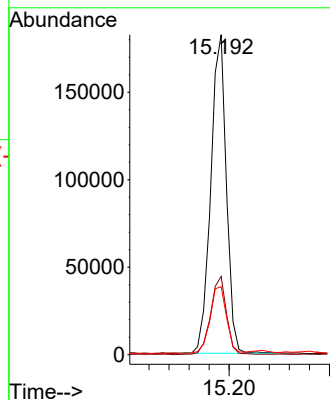
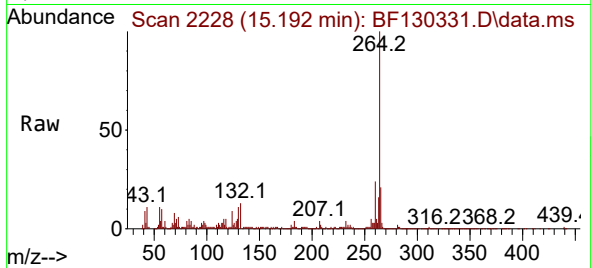
SASP2-T-6-(10-18)

Tgt Ion:264 Resp: 196680  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 19.3 28.9  
 265 21.3 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/20/2022  
 Supervised By :Jagrut Upadhyay 09/20/2022



#88

Benzo(b)fluoranthene

Concen: 7.891 ng m

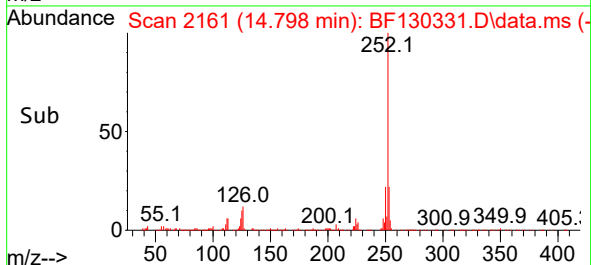
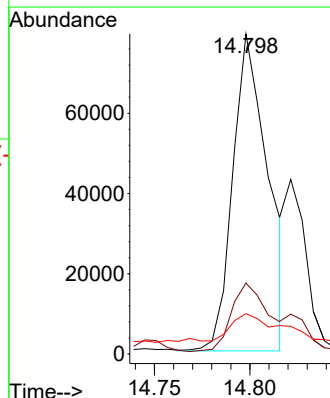
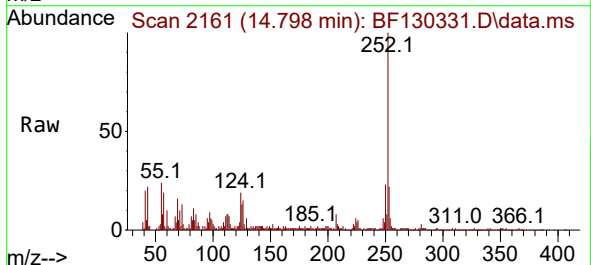
RT: 14.798 min Scan# 2161

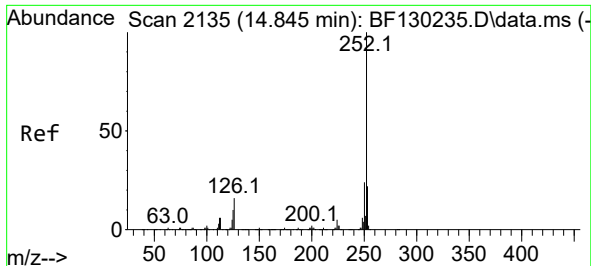
Delta R.T. 0.000 min

Lab File: BF130331.D

Acq: 19 Sep 2022 20:57

Tgt Ion:252 Resp: 101294  
 Ion Ratio Lower Upper  
 252 100  
 253 22.2 17.7 26.5  
 125 12.6 8.1 12.1#





#89

Benzo(k)fluoranthene

Concen: 2.476 ng m

RT: 14.821 min Scan# 2135

Delta R.T. -0.006 min

Lab File: BF130331.D

Acq: 19 Sep 2022 20:57

Instrument :

BNF

ClientSampleId :

SASP2-T-6-(10-18)

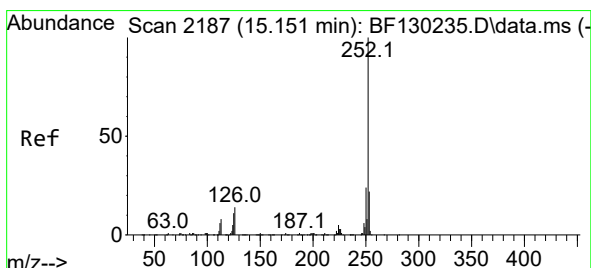
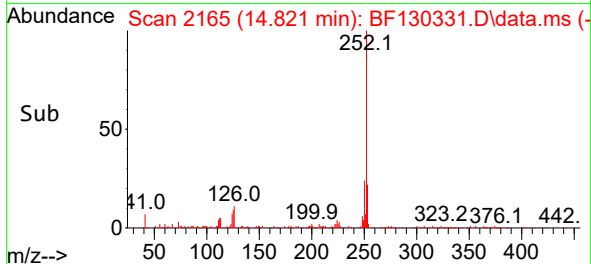
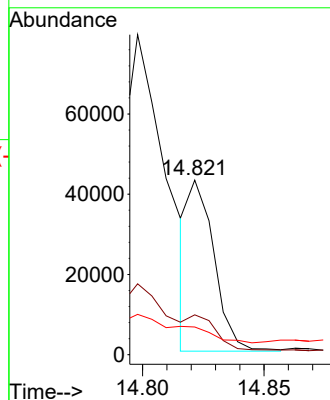
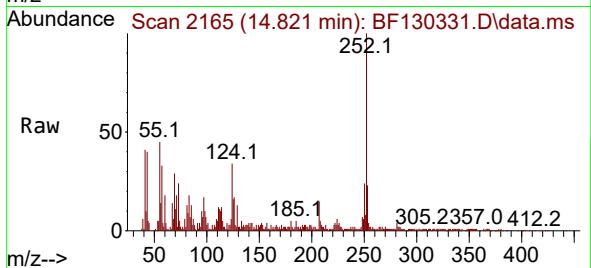
Tgt Ion:252 Resp: 31272  
 Ion Ratio Lower Upper  
 252 100  
 253 22.8 17.4 26.2  
 125 15.9 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/20/2022

Supervised By :Jagrut Upadhyay 09/20/2022



#90

Benzo(a)pyrene

Concen: 6.210 ng

RT: 15.127 min Scan# 2217

Delta R.T. -0.006 min

Lab File: BF130331.D

Acq: 19 Sep 2022 20:57

Tgt Ion:252 Resp: 63159  
 Ion Ratio Lower Upper  
 252 100  
 253 25.2 17.8 26.6  
 125 14.8 9.0 13.6

