

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110722\  
 Data File : BF131054.D  
 Acq On : 07 Nov 2022 21:10  
 Operator : CG\JU  
 Sample : N5415-08  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 R-21

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 11/08/2022  
 Supervised By : Jagrut Upadhyay 11/08/2022

Quant Time: Nov 08 02:18:30 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF110722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 08 01:40:43 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.898  | 152  | 76313    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.187  | 136  | 319222   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.945  | 164  | 137436   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.433 | 188  | 173751   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.086 | 240  | 193230   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.586 | 264  | 160443   | 20.000  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.522  | 112  | 616540   | 130.275 | ng    | 0.00     |
| 7) Phenol-d6                | 6.528  | 99   | 776032   | 134.345 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.469  | 82   | 533276   | 77.435  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.739 | 330  | 127823   | 84.476  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.263  | 172  | 766502   | 76.007  | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.027 | 244  | 616073   | 51.116  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 75) Fluoranthene            | 12.651 | 202  | 22061    | 2.124   | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene  | 17.098 | 276  | 5951     | 3.733   | ng    | # 85     |
| 88) Benzo(b)fluoranthene    | 15.139 | 252  | 23678m   | 2.031   | ng    |          |
| 92) Benzo(g,h,i)perylene    | 17.562 | 276  | 5934     | 3.882   | ng    | # 86     |
| -----                       |        |      |          |         |       |          |

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

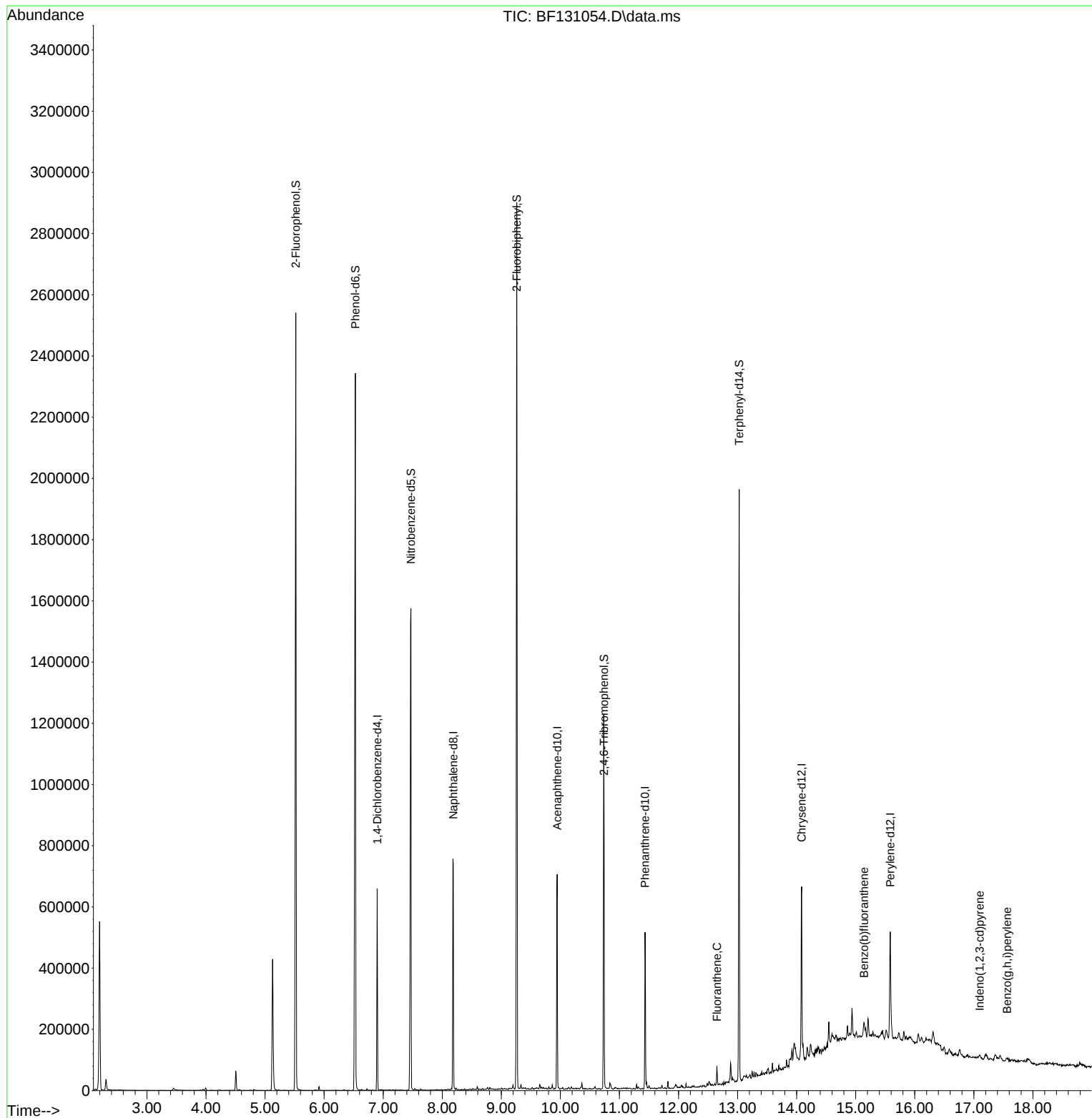
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110722\  
Data File : BF131054.D  
Acq On : 07 Nov 2022 21:10  
Operator : CG\JU  
Sample : N5415-08  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

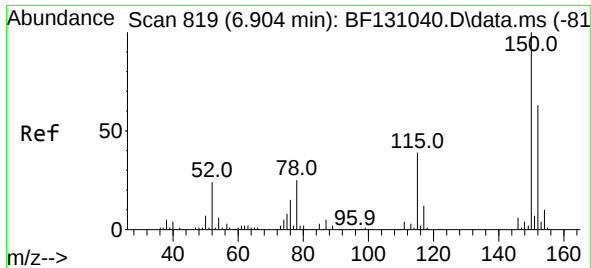
Instrument :  
BNA\_F  
ClientSampleId :  
R-21

Quant Time: Nov 08 02:18:30 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF110722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 08 01:40:43 2022  
Response via : Initial Calibration

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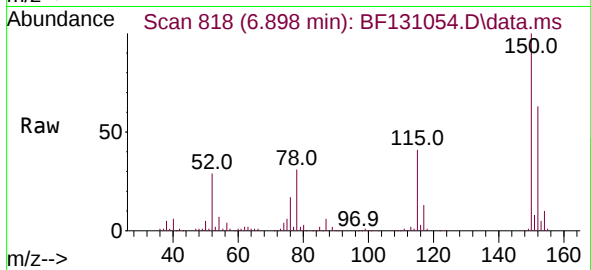
Reviewed By :Christian Giraldo 11/08/2022  
Supervised By :Jagrut Upadhyay 11/08/2022





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.898 min Scan# 819  
Delta R.T. -0.006 min  
Lab File: BF131054.D  
Acq: 07 Nov 2022 21:10

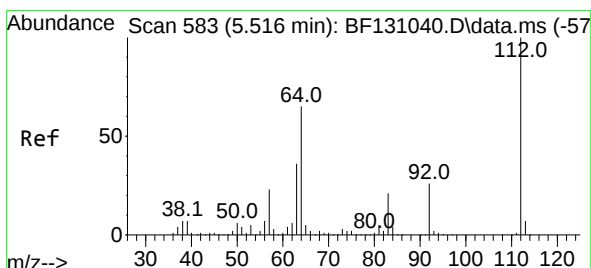
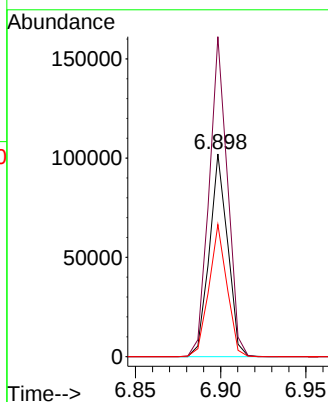
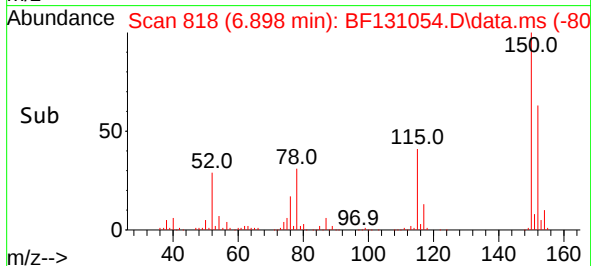
Instrument :  
BNA\_F  
ClientSampleId :  
R-21



Tgt Ion:152 Resp: 76313  
Ion Ratio Lower Upper  
152 100  
150 157.9 126.6 189.8  
115 65.2 49.1 73.7

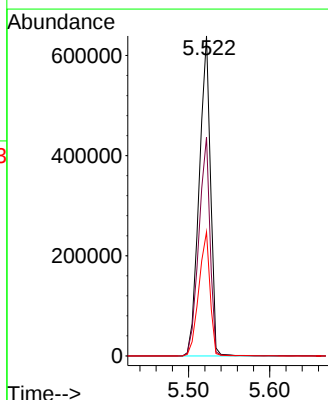
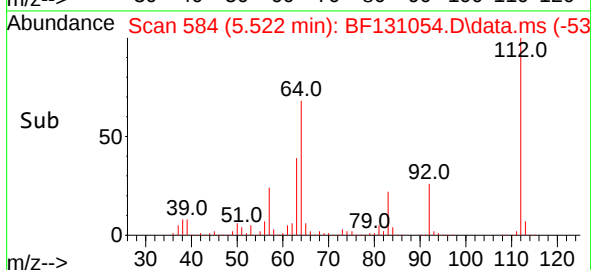
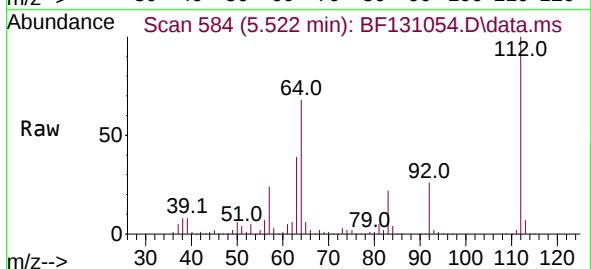
Manual Integrations  
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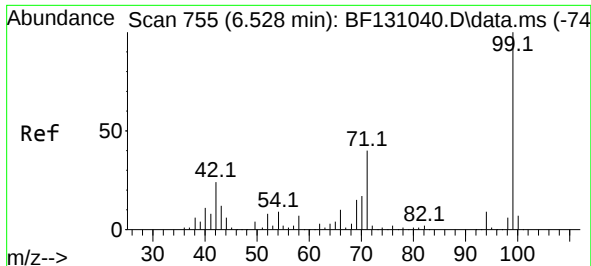
Reviewed By :Christian Giraldo 11/08/2022  
Supervised By :Jagrut Upadhyay 11/08/2022



#5  
2-Fluorophenol  
Concen: 130.275 ng  
RT: 5.522 min Scan# 584  
Delta R.T. 0.006 min  
Lab File: BF131054.D  
Acq: 07 Nov 2022 21:10

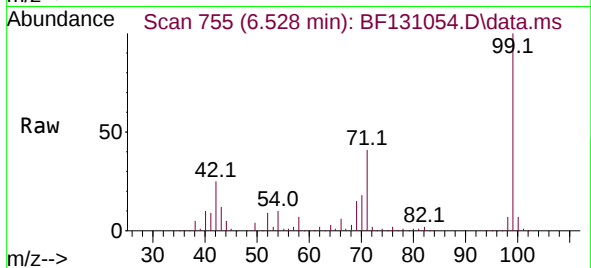
Tgt Ion:112 Resp: 616540  
Ion Ratio Lower Upper  
112 100  
64 68.4 52.2 78.4  
63 38.7 29.0 43.4





#7  
Phenol-d6  
Concen: 134.345 ng  
RT: 6.528 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF131054.D  
Acq: 07 Nov 2022 21:10

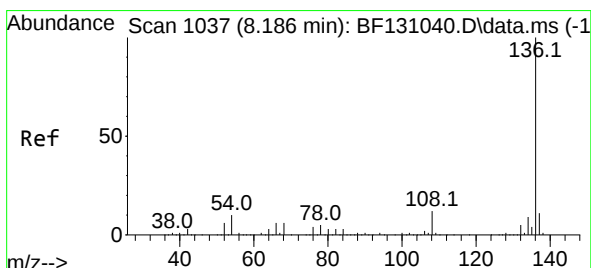
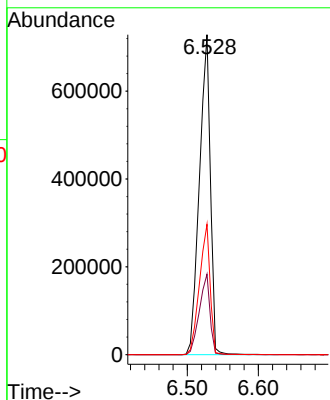
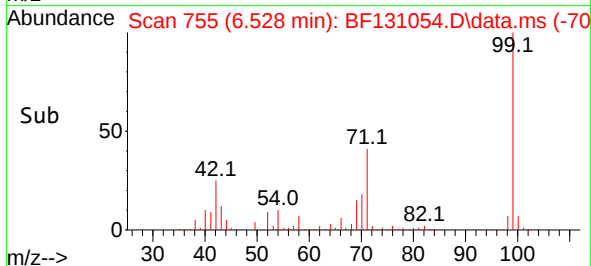
Instrument :  
BNA\_F  
ClientSampleId :  
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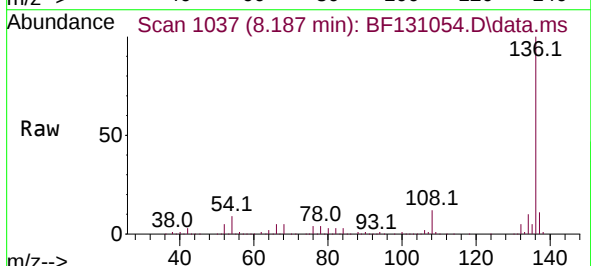
Tgt Ion: 99 Resp: 776032  
Ion Ratio Lower Upper  
99 100  
42 25.1 19.4 29.0  
71 40.7 31.8 47.8

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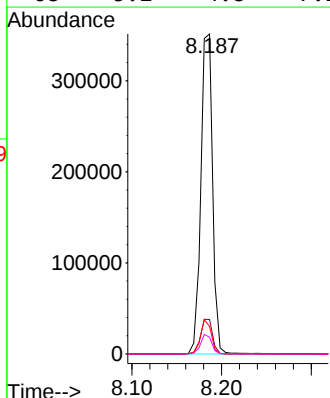
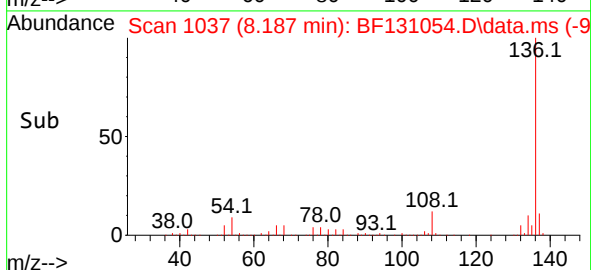
Reviewed By :Christian Giraldo 11/08/2022  
Supervised By :Jagrut Upadhyay 11/08/2022

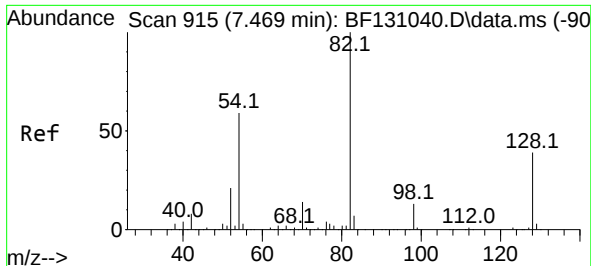


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.187 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: BF131054.D  
Acq: 07 Nov 2022 21:10



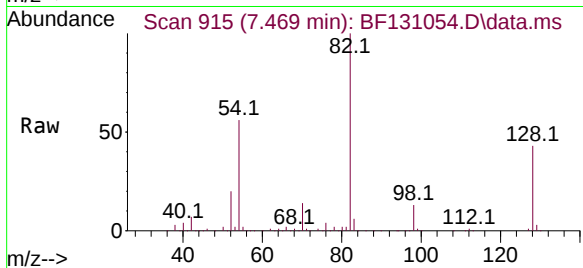
Tgt Ion:136 Resp: 319222  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.8 13.2  
54 8.6 8.2 12.2  
68 5.2 4.8 7.2





#23  
Nitrobenzene-d5  
Concen: 77.435 ng  
RT: 7.469 min Scan# 915  
Delta R.T. -0.000 min  
Lab File: BF131054.D  
Acq: 07 Nov 2022 21:10

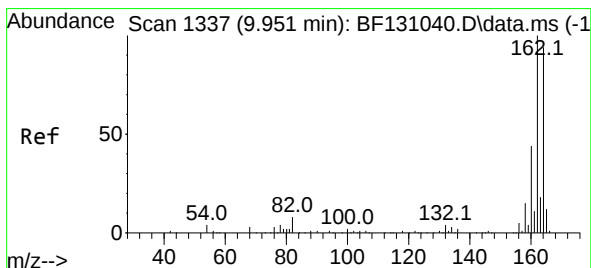
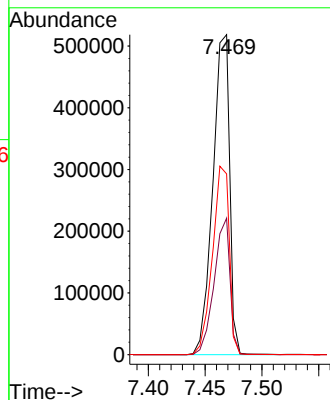
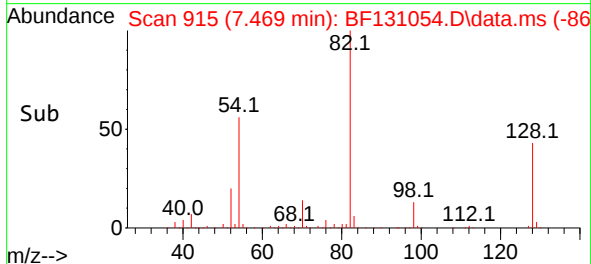
Instrument :  
BNA\_F  
ClientSampleId :  
R-21



Tgt Ion: 82 Resp: 533276  
Ion Ratio Lower Upper  
82 100  
128 42.6 31.3 46.9  
54 56.5 47.2 70.8

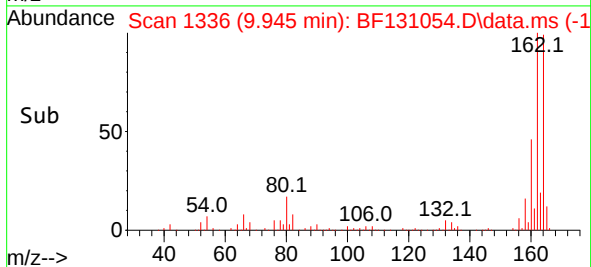
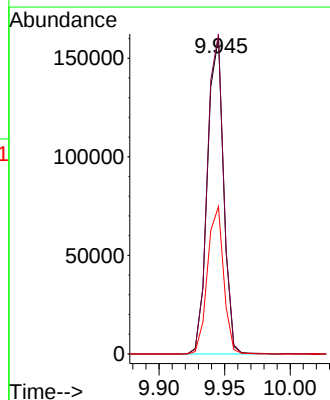
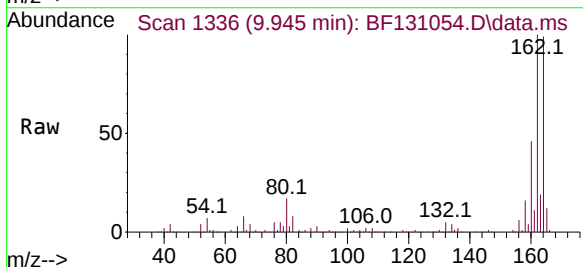
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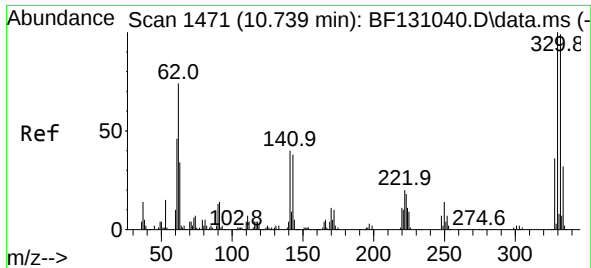
Reviewed By :Christian Giraldo 11/08/2022  
Supervised By :Jagrut Upadhyay 11/08/2022



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.945 min Scan# 1336  
Delta R.T. -0.006 min  
Lab File: BF131054.D  
Acq: 07 Nov 2022 21:10

Tgt Ion:164 Resp: 137436  
Ion Ratio Lower Upper  
164 100  
162 101.2 85.0 127.6  
160 46.6 37.0 55.6





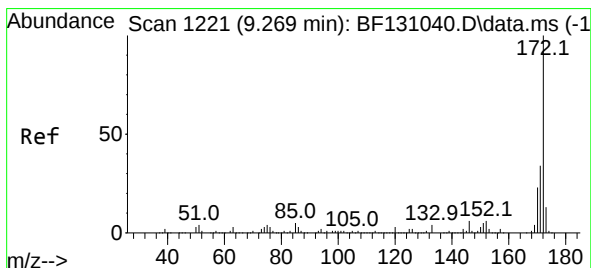
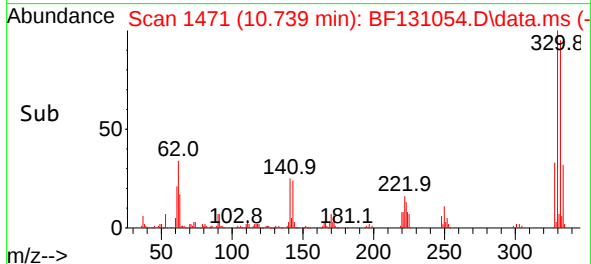
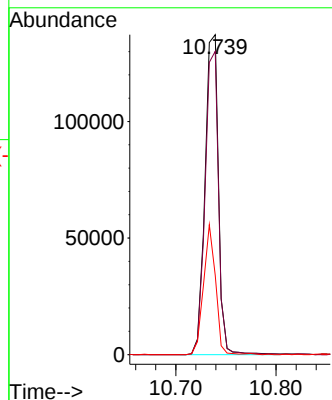
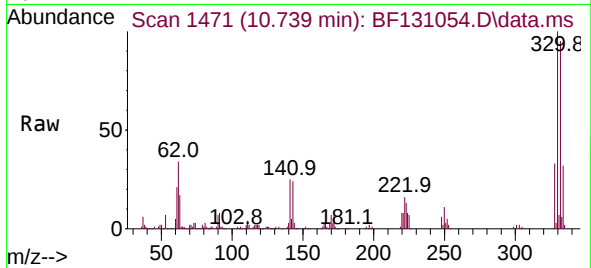
#42  
2,4,6-Tribromophenol  
Concen: 84.476 ng  
RT: 10.739 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: BF131054.D  
Acq: 07 Nov 2022 21:10

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 330 Resp: 127823  
Ion Ratio Lower Upper  
330 100  
332 94.5 77.0 115.4  
141 36.3 28.3 42.5

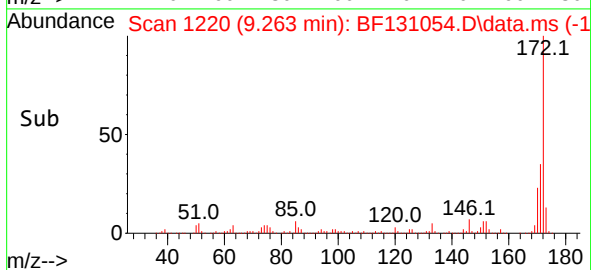
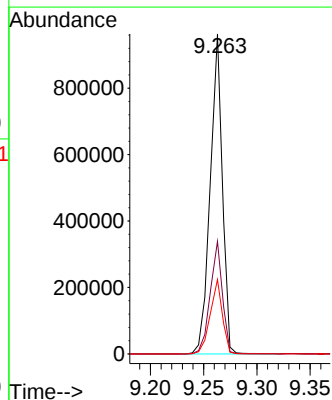
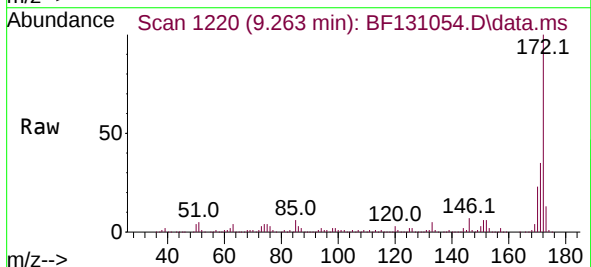
Manual Integrations  
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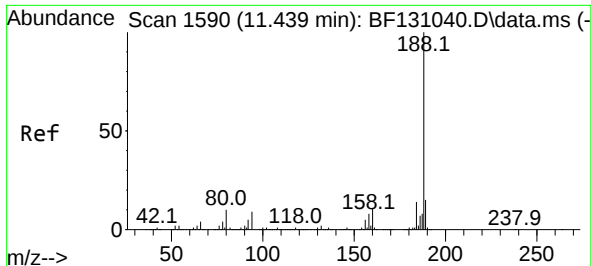
Reviewed By : Christian Giraldo 11/08/2022  
Supervised By : Jagrut Upadhyay 11/08/2022



#45  
2-Fluorobiphenyl  
Concen: 76.007 ng  
RT: 9.263 min Scan# 1220  
Delta R.T. -0.006 min  
Lab File: BF131054.D  
Acq: 07 Nov 2022 21:10

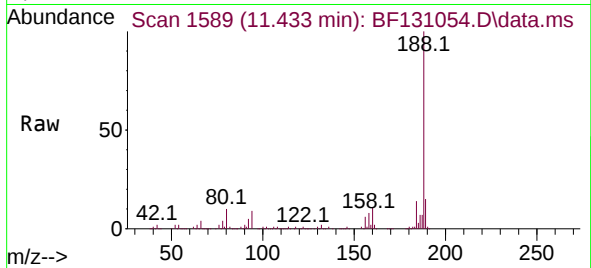
Tgt Ion: 172 Resp: 766502  
Ion Ratio Lower Upper  
172 100  
171 35.2 27.7 41.5  
170 23.2 18.4 27.6





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.433 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF131054.D  
Acq: 07 Nov 2022 21:10

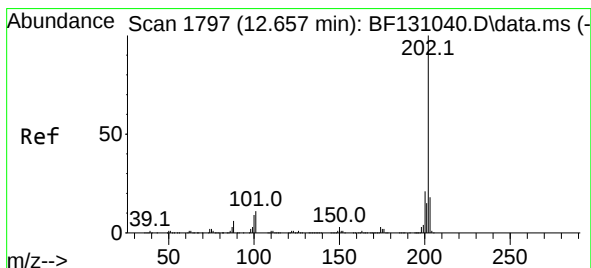
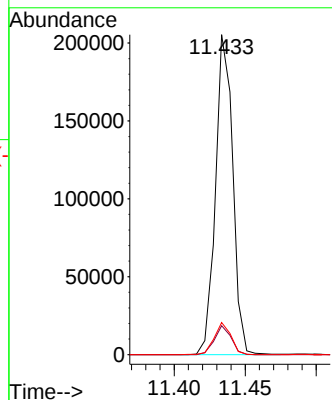
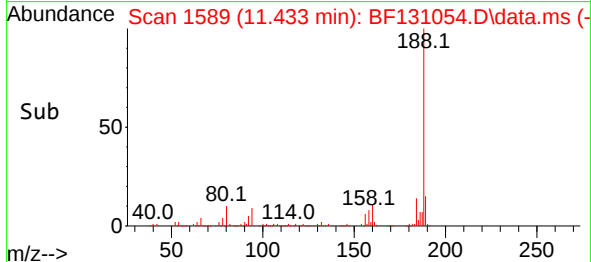
Instrument :  
BNA\_F  
ClientSampleId :  
R-21



Tgt Ion:188 Resp: 17375  
Ion Ratio Lower Upper  
188 100  
94 9.0 7.0 10.6  
80 10.0 8.1 12.1

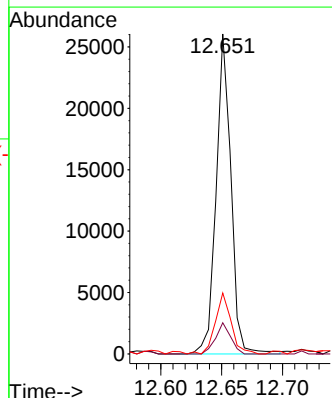
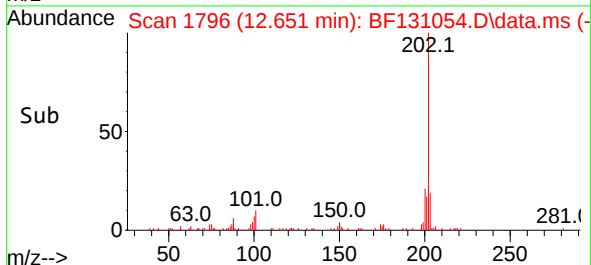
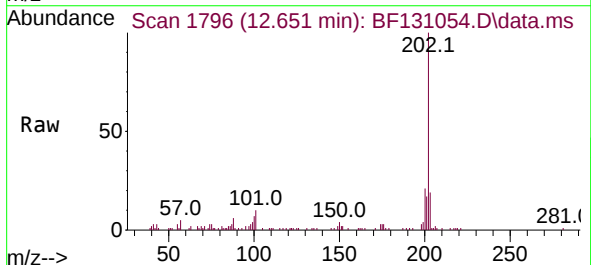
Manual Integrations  
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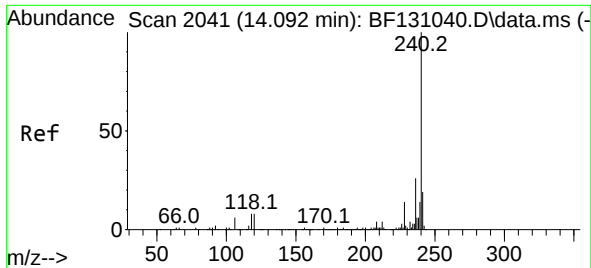
Reviewed By :Christian Giraldo 11/08/2022  
Supervised By :Jagrut Upadhyay 11/08/2022



#75  
Fluoranthene  
Concen: 2.124 ng  
RT: 12.651 min Scan# 1796  
Delta R.T. -0.006 min  
Lab File: BF131054.D  
Acq: 07 Nov 2022 21:10

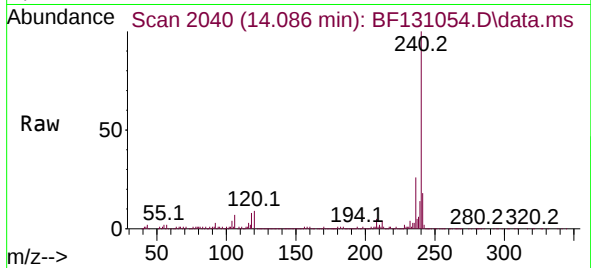
Tgt Ion:202 Resp: 22061  
Ion Ratio Lower Upper  
202 100  
101 9.7 0.0 30.9  
203 19.0 0.0 37.8





#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.086 min Scan# 2041  
Delta R.T. -0.006 min  
Lab File: BF131054.D  
Acq: 07 Nov 2022 21:10

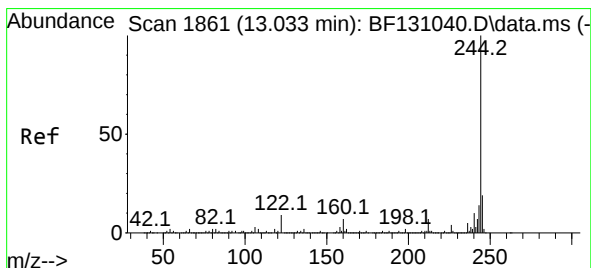
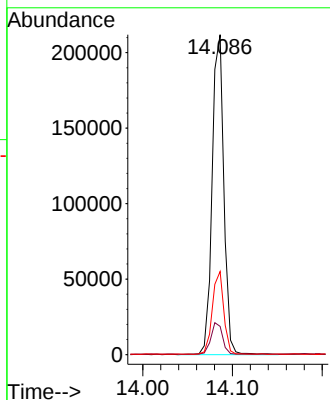
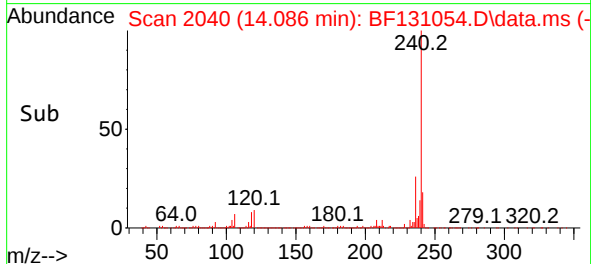
Instrument :  
BNA\_F  
ClientSampleId :  
R-21



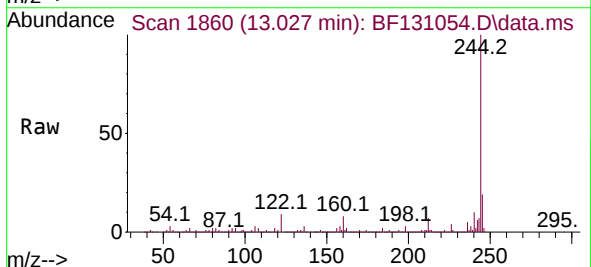
Tgt Ion:240 Resp: 193236  
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240 100  
120 8.8 6.7 10.1  
236 26.0 20.8 31.2

Manual Integrations  
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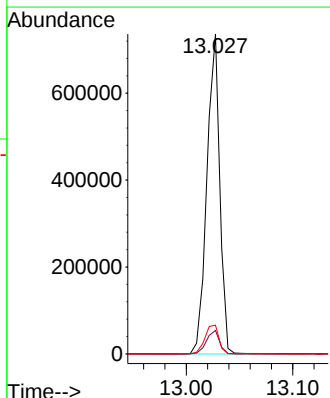
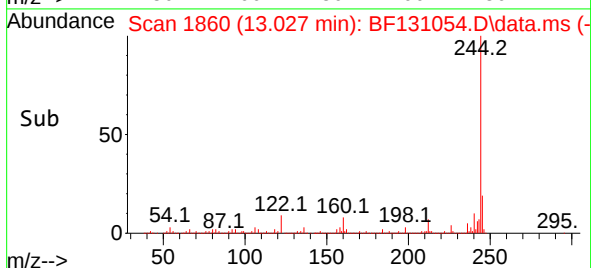
Reviewed By :Christian Giraldo 11/08/2022  
Supervised By :Jagrut Upadhyay 11/08/2022

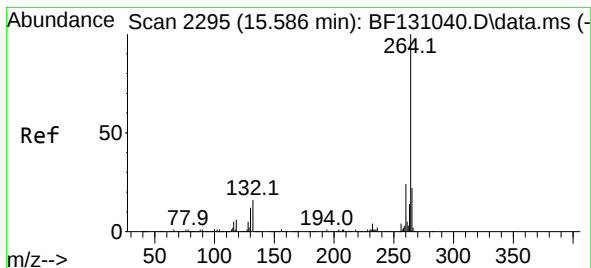


#79  
Terphenyl-d14  
Concen: 51.116 ng  
RT: 13.027 min Scan# 1860  
Delta R.T. -0.006 min  
Lab File: BF131054.D  
Acq: 07 Nov 2022 21:10



Tgt Ion:244 Resp: 616073  
Ion Ratio Lower Upper  
244 100  
212 7.3 5.8 8.6  
122 9.0 7.0 10.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.586 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF131054.D

Acq: 07 Nov 2022 21:10

Instrument :

BNA\_F

ClientSampleId :

R-21

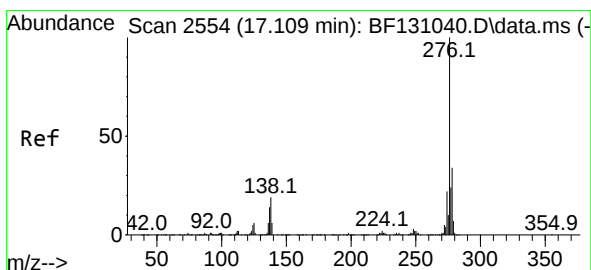
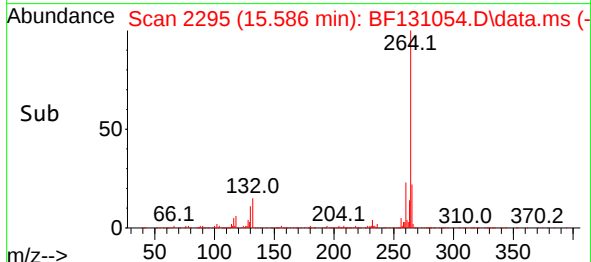
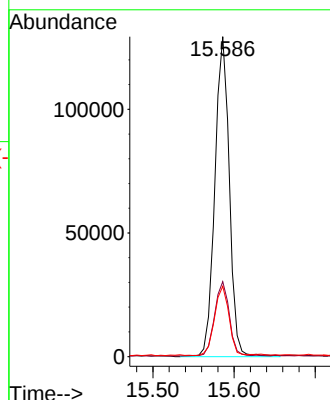
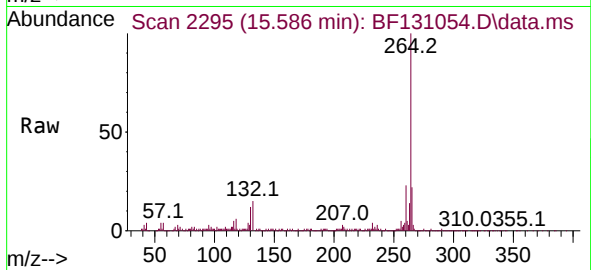
Tgt Ion:264 Resp: 16044

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.4  | 18.8  | 28.2  |
| 265 | 22.0  | 17.3  | 25.9  |

Manual Integrations

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Supervised By :Jagrut Upadhyay 11/08/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.733 ng

RT: 17.098 min Scan# 2552

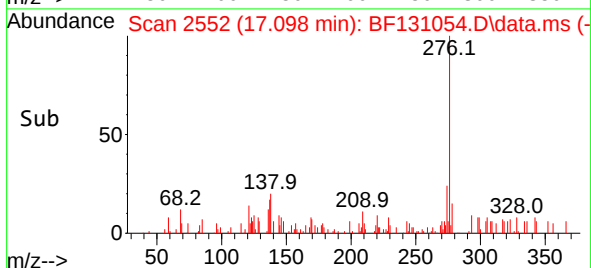
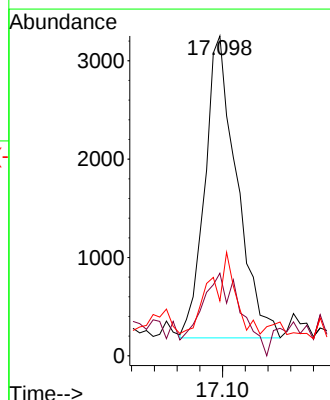
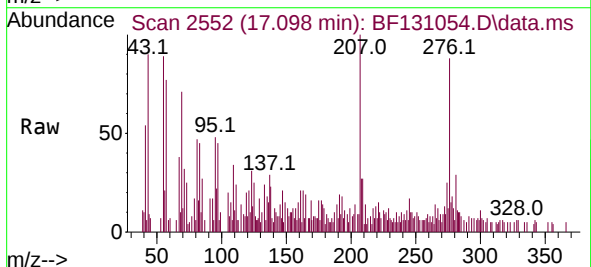
Delta R.T. -0.011 min

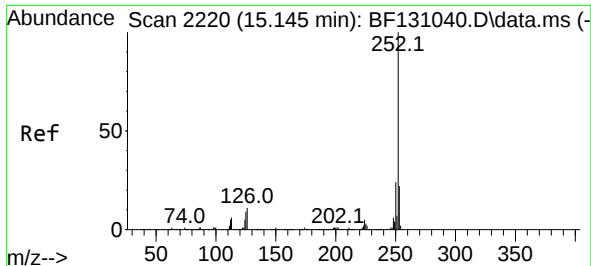
Lab File: BF131054.D

Acq: 07 Nov 2022 21:10

Tgt Ion:276 Resp: 5951

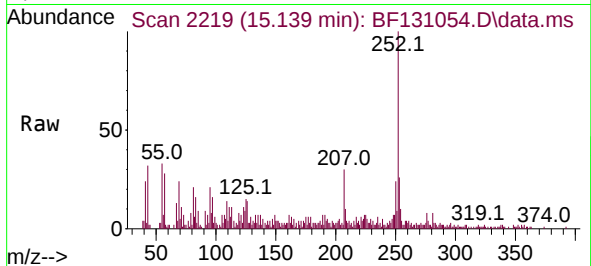
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 34.4  | 17.3  | 25.9  |
| 277 | 23.1  | 20.2  | 30.4  |





#88  
Benzo(b)fluoranthene  
Concen: 2.031 ng m  
RT: 15.139 min Scan# 2219  
Delta R.T. -0.006 min  
Lab File: BF131054.D  
Acq: 07 Nov 2022 21:10

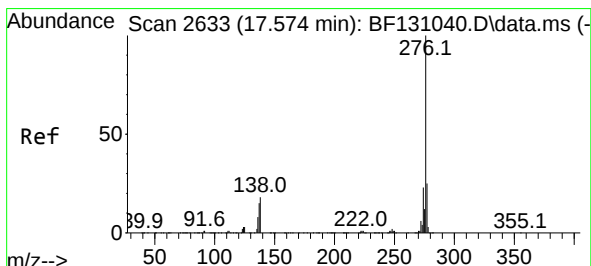
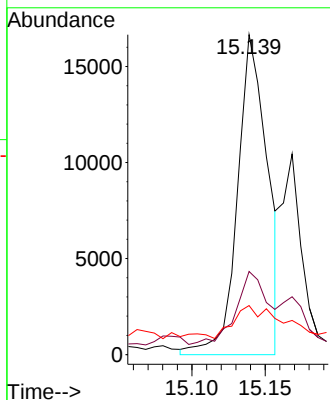
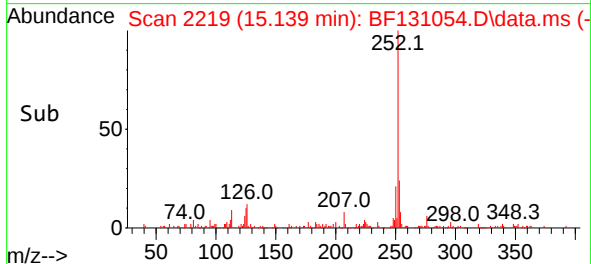
Instrument :  
BNA\_F  
ClientSampleId :  
R-21



Tgt Ion:252 Resp: 23678  
Ion Ratio Lower Upper  
252 100  
253 26.0 17.9 26.9  
125 15.3 7.1 10.7

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 11/08/2022  
Supervised By :Jagrut Upadhyay 11/08/2022



#92  
Benzo(g,h,i)perylene  
Concen: 3.882 ng  
RT: 17.562 min Scan# 2631  
Delta R.T. -0.012 min  
Lab File: BF131054.D  
Acq: 07 Nov 2022 21:10

Tgt Ion:276 Resp: 5934  
Ion Ratio Lower Upper  
276 100  
277 32.4 20.0 30.0#  
138 24.1 14.8 22.2#

