

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF042123\  
 Data File : BF132986.D  
 Acq On : 22 Apr 2023 00:14  
 Operator : CG\JU  
 Sample : 02386-03 5X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SPA-1WC-23-04

Manual Integrations  
 APPROVED

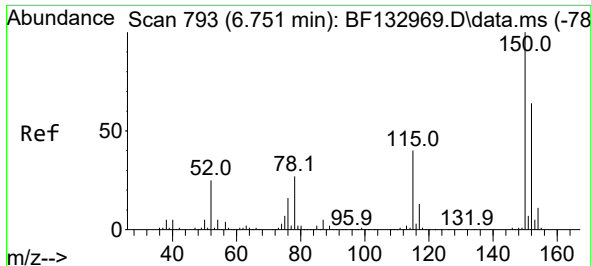
Reviewed By : Christian Giraldo 04/24/2023  
 Supervised By : Jagrut Upadhyay 04/24/2023

Quant Time: Apr 22 04:32:41 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Apr 22 03:30:56 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.763  | 152  | 185493   | 20.000  | ng    | 0.01     |
| 21) Naphthalene-d8            | 8.045  | 136  | 695131   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.798  | 164  | 273116   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.292 | 188  | 413329   | 20.000  | ng    | 0.02     |
| 76) Chrysene-d12              | 13.945 | 240  | 162788   | 20.000  | ng    | 0.04     |
| 86) Perylene-d12              | 15.392 | 264  | 242456   | 20.000  | ng    | 0.06     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.357  | 112  | 200278   | 16.310  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.387  | 99   | 330289   | 21.671  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.316  | 82   | 241962   | 18.788  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.592 | 330  | 48003    | 17.477  | ng    | 0.01     |
| 45) 2-Fluorobiphenyl          | 9.116  | 172  | 323056   | 19.789  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.880 | 244  | 208178   | 22.056  | ng    | 0.02     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 12) 1,3-Dichlorobenzene       | 6.698  | 146  | 304619   | 22.981  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.781  | 146  | 1121779  | 84.442  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.939  | 146  | 1303808  | 106.454 | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.698  | 122  | 111577m  | 10.338  | ng    |          |
| 30) 1,2,4-Trichlorobenzene    | 7.992  | 180  | 840070   | 82.529  | ng    | 98       |
| 31) Naphthalene               | 8.069  | 128  | 2126608  | 61.190  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.757  | 142  | 1699904  | 71.543  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 8.857  | 142  | 1043671  | 46.954  | ng    | 100      |
| 46) 1,1'-Biphenyl             | 9.222  | 154  | 999500   | 46.152  | ng    | 98       |
| 52) Acenaphthene              | 9.833  | 154  | 102100   | 6.019   | ng    | # 88     |
| 58) Fluorene                  | 10.345 | 166  | 204913   | 12.087  | ng    | # 92     |
| 66) n-Nitrosodiphenylamine    | 10.457 | 169  | 310473   | 23.157  | ng    | 87       |
| 71) Phenanthrene              | 11.316 | 178  | 694803m  | 31.276  | ng    |          |
| 72) Anthracene                | 11.369 | 178  | 735089   | 32.333  | ng    | 97       |
| 74) Di-n-butylphthalate       | 11.857 | 149  | 126329   | 5.514   | ng    | # 87     |
| 75) Fluoranthene              | 12.510 | 202  | 381867   | 17.128  | ng    | 92       |
| 78) Pyrene                    | 12.739 | 202  | 378641m  | 27.134  | ng    |          |
| 80) Butylbenzylphthalate      | 13.368 | 149  | 123158   | 24.926  | ng    | # 78     |
| 81) Benzo(a)anthracene        | 13.933 | 228  | 118481   | 10.584  | ng    | # 89     |
| 83) Chrysene                  | 13.968 | 228  | 79268    | 7.083   | ng    | # 91     |
| 84) Bis(2-ethylhexyl)phtha... | 13.968 | 149  | 4777455  | 770.327 | ng    | # 93     |
| 85) Di-n-octyl phthalate      | 14.545 | 149  | 775045   | 76.643  | ng    | # 73     |
| 87) Indeno(1,2,3-cd)pyrene    | 16.780 | 276  | 50592    | 3.668   | ng    | 95       |
| 88) Benzo(b)fluoranthene      | 14.974 | 252  | 149502m  | 9.692   | ng    |          |
| 89) Benzo(k)fluoranthene      | 14.998 | 252  | 48124m   | 3.147   | ng    |          |
| 90) Benzo(a)pyrene            | 15.327 | 252  | 102722   | 7.317   | ng    | # 30     |
| 92) Benzo(g,h,i)perylene      | 17.198 | 276  | 57126    | 5.030   | ng    | # 71     |
| -----                         |        |      |          |         |       |          |

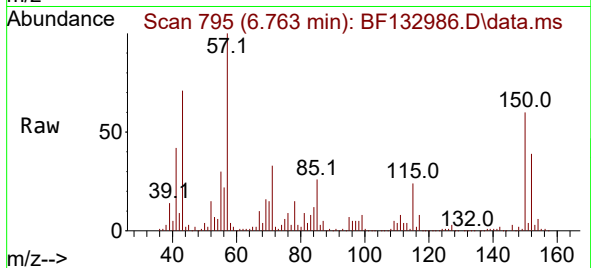
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.763 min Scan# 794  
Delta R.T. 0.012 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14

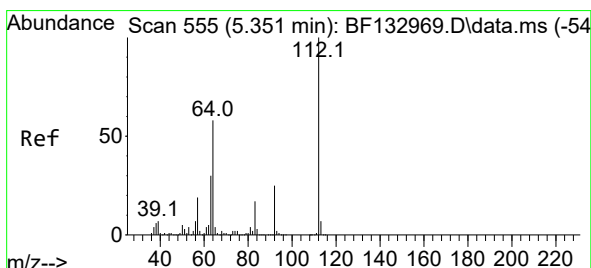
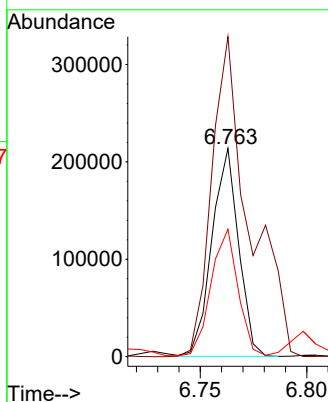
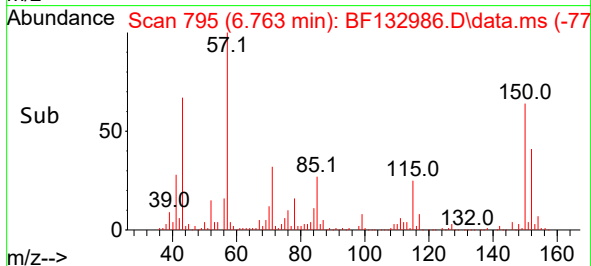
Instrument :  
BNA\_F  
ClientSampleId :  
SPA-1WC-23-04



Tgt Ion:152 Resp: 18549  
Ion Ratio Lower Upper  
152 100  
150 153.6 124.8 187.2  
115 61.3 49.9 74.9

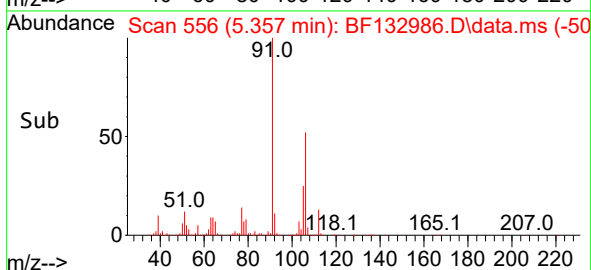
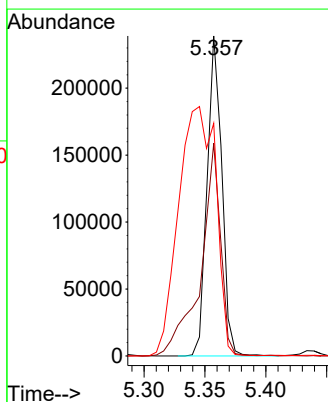
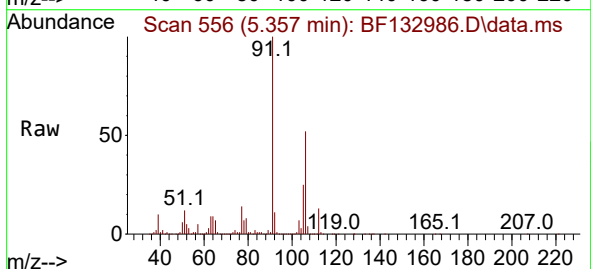
Manual Integrations  
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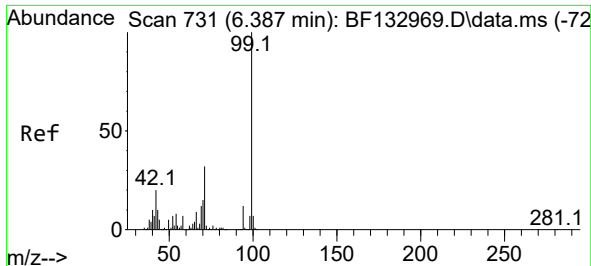
Reviewed By :Christian Giraldo 04/24/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#5  
2-Fluorophenol  
Concen: 16.310 ng  
RT: 5.357 min Scan# 556  
Delta R.T. 0.006 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14

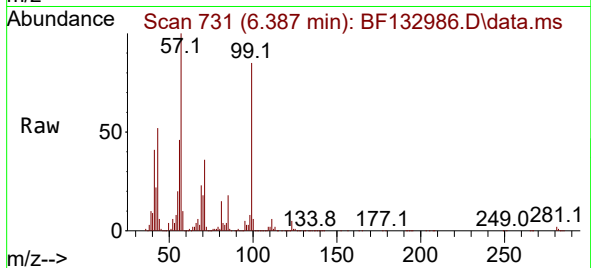
Tgt Ion:112 Resp: 200278  
Ion Ratio Lower Upper  
112 100  
64 66.5 46.8 70.2  
63 72.7 23.8 35.8





#7  
Phenol-d6  
Concen: 21.671 ng  
RT: 6.387 min Scan# 716  
Delta R.T. -0.000 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14

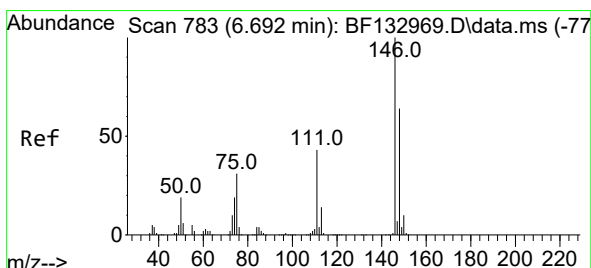
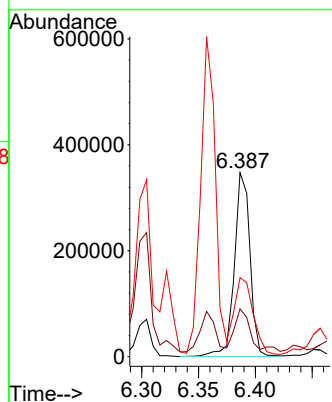
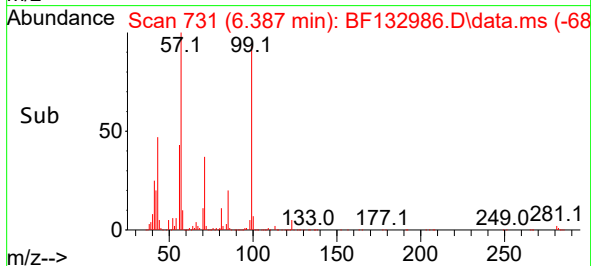
Instrument :  
BNA\_F  
ClientSampleId :  
SPA-1WC-23-04



Tgt Ion: 99 Resp: 330289  
Ion Ratio Lower Upper  
99 100  
42 26.0 16.3 24.5  
71 43.0 25.6 38.4

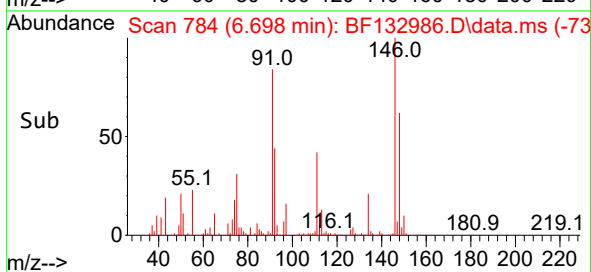
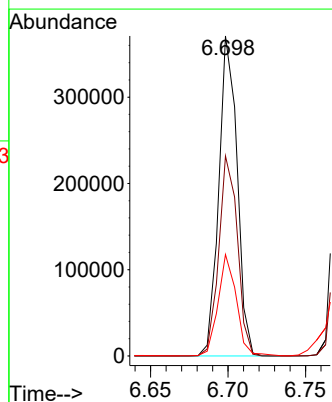
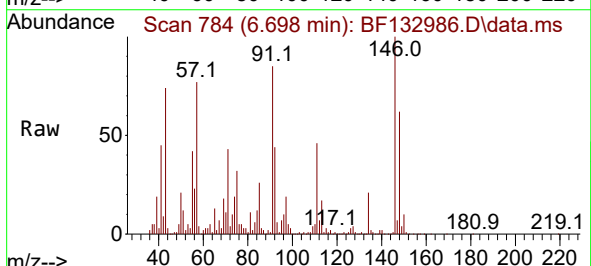
Manual Integrations  
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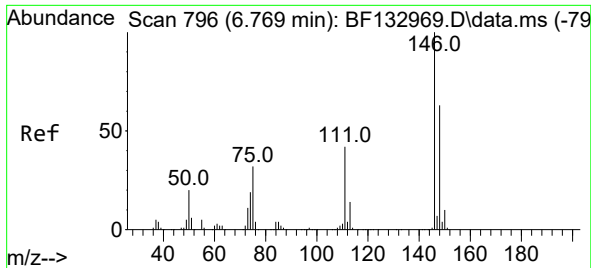
Reviewed By :Christian Giraldo 04/24/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#12  
1,3-Dichlorobenzene  
Concen: 22.981 ng  
RT: 6.698 min Scan# 784  
Delta R.T. 0.006 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14

Tgt Ion:146 Resp: 304619  
Ion Ratio Lower Upper  
146 100  
148 62.5 51.0 76.4  
75 31.7 24.8 37.2





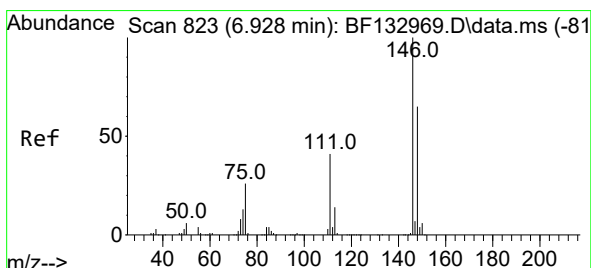
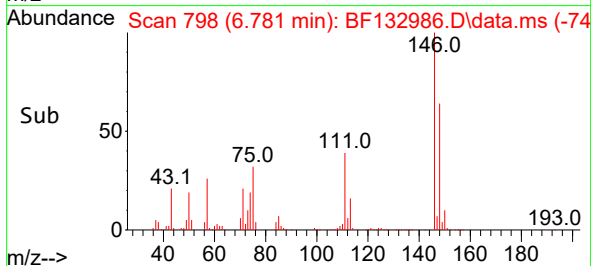
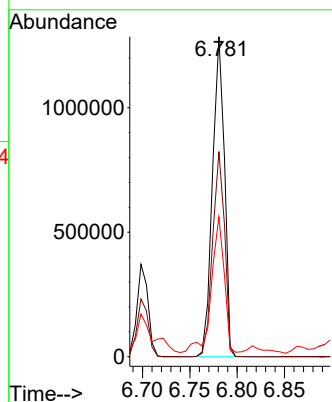
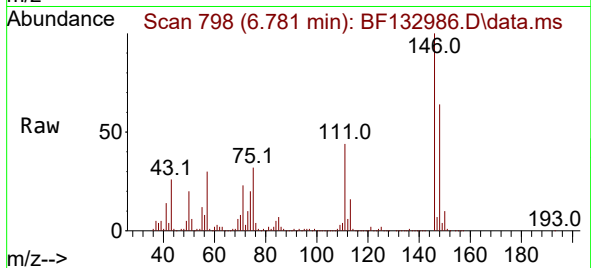
#13  
1,4-Dichlorobenzene  
Concen: 84.442 ng  
RT: 6.781 min Scan# 796  
Delta R.T. 0.012 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14

Instrument :  
BNA\_F  
ClientSampleId :  
SPA-1WC-23-04

Tgt Ion:146 Resp: 1121779  
Ion Ratio Lower Upper  
146 100  
148 64.1 50.3 75.5  
111 43.7 33.8 50.6

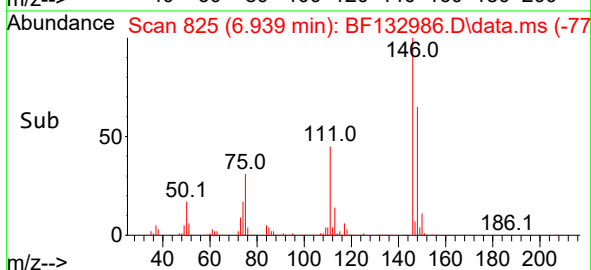
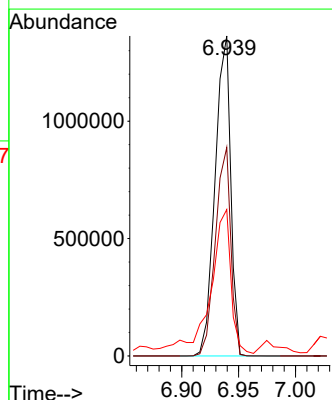
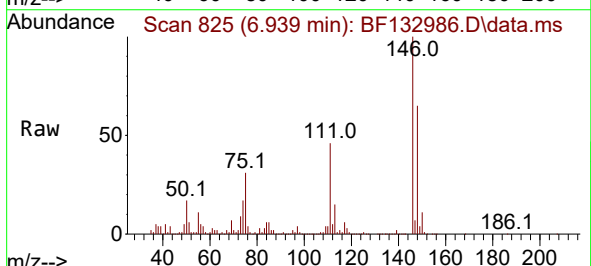
Manual Integrations  
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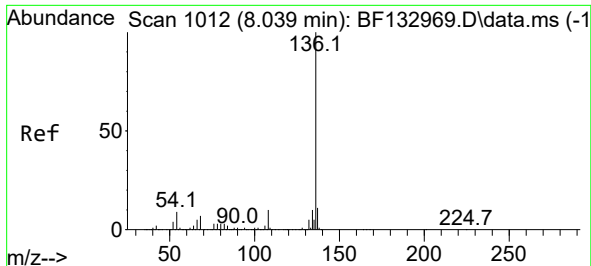
Reviewed By :Christian Giraldo 04/24/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#14  
1,2-Dichlorobenzene  
Concen: 106.454 ng  
RT: 6.939 min Scan# 825  
Delta R.T. 0.012 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14

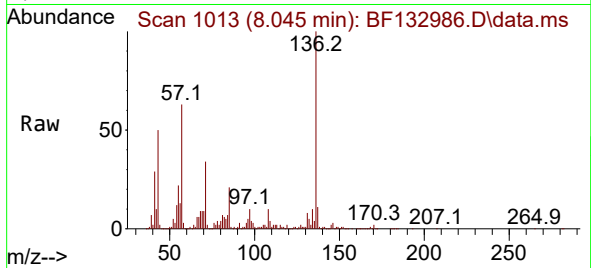
Tgt Ion:146 Resp: 1303808  
Ion Ratio Lower Upper  
146 100  
148 65.1 52.2 78.2  
111 45.8 32.8 49.2





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.045 min Scan# 1012  
Delta R.T. 0.006 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14

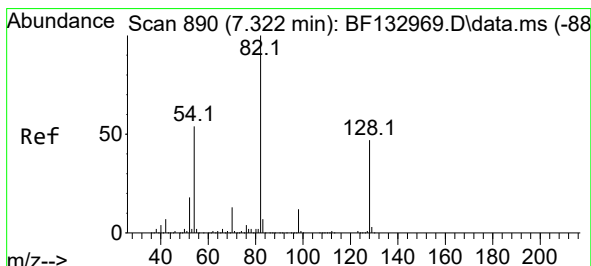
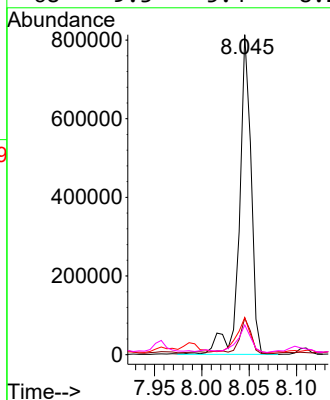
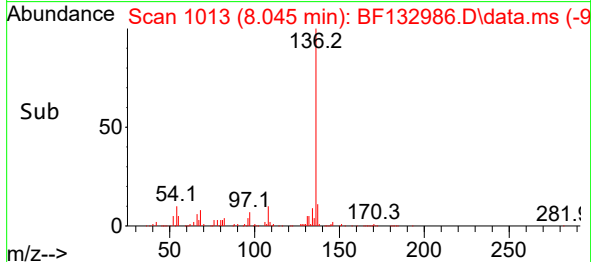
Instrument :  
BNA\_F  
ClientSampleId :  
SPA-1WC-23-04



Tgt Ion:136 Resp: 69513  
Ion Ratio Lower Upper  
136 100  
137 11.4 8.6 13.0  
54 11.6 7.0 10.4  
68 9.3 5.4 8.2#

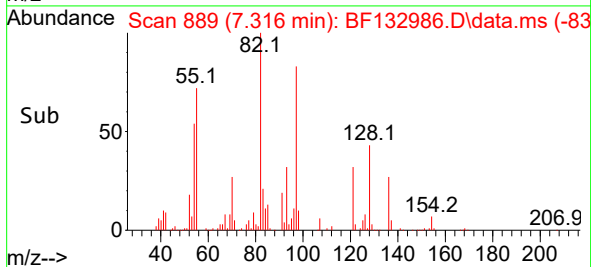
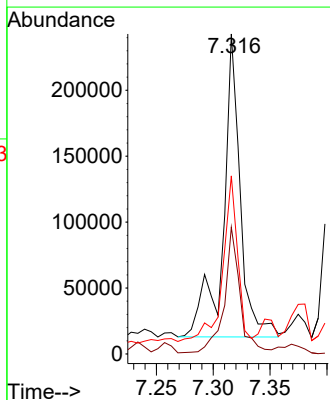
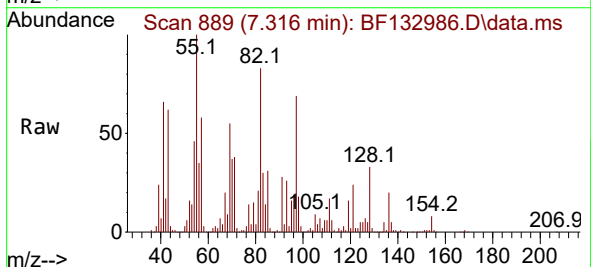
Manual Integrations  
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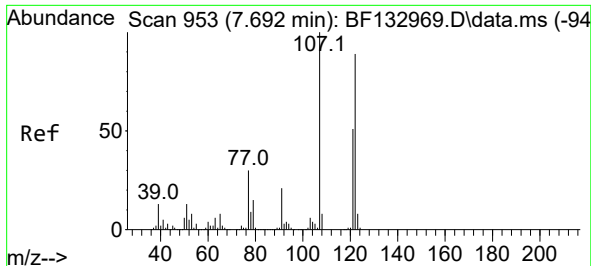
Reviewed By :Christian Giraldo 04/24/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#23  
Nitrobenzene-d5  
Concen: 18.788 ng  
RT: 7.316 min Scan# 889  
Delta R.T. -0.006 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14

Tgt Ion: 82 Resp: 241962  
Ion Ratio Lower Upper  
82 100  
128 39.6 37.7 56.5  
54 55.6 43.0 64.4





#27

2,4-Dimethylphenol

Concen: 10.338 ng m

RT: 7.698 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

Instrument :

BNA\_F

ClientSampleId :

SPA-1WC-23-04

Tgt Ion:122 Resp: 11157

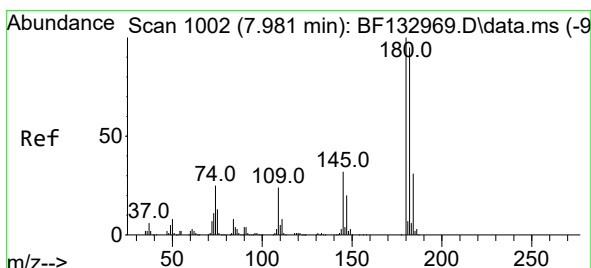
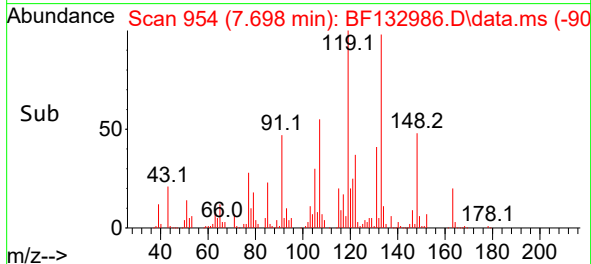
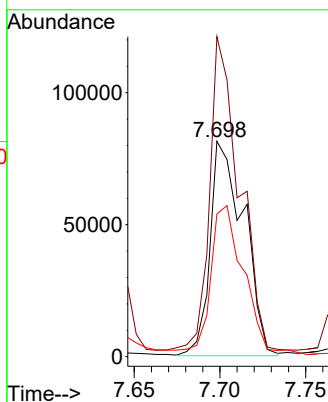
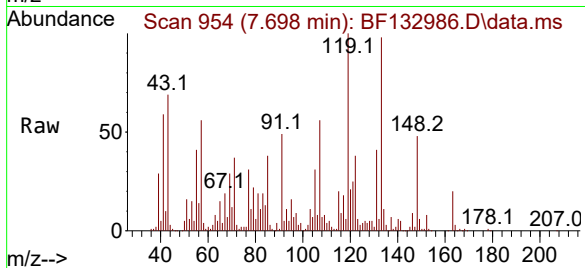
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 122 | 100   |       |       |
| 107 | 148.6 | 89.7  | 134.5 |
| 121 | 66.3  | 46.0  | 69.0  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/24/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#30

1,2,4-Trichlorobenzene

Concen: 82.529 ng

RT: 7.992 min Scan# 1004

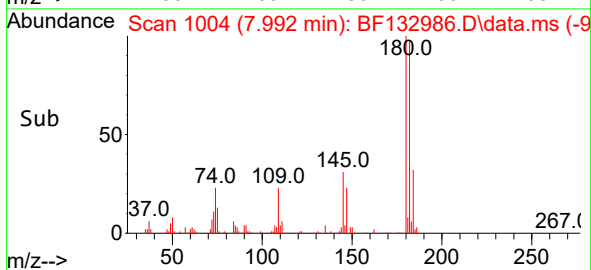
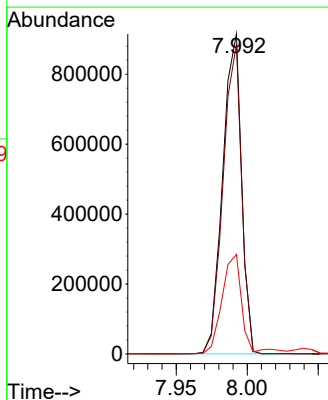
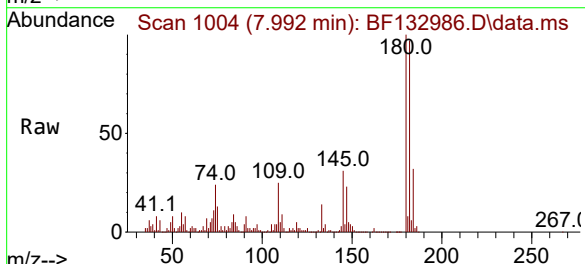
Delta R.T. 0.012 min

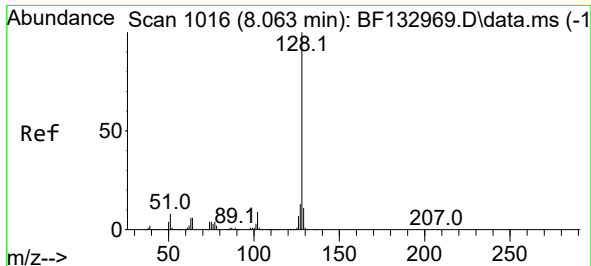
Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

Tgt Ion:180 Resp: 840070

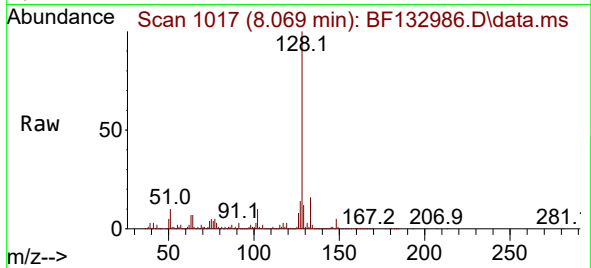
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 96.9  | 75.9  | 113.9 |
| 145 | 31.1  | 25.3  | 37.9  |





#31  
Naphthalene  
Concen: 61.190 ng  
RT: 8.069 min Scan# 1016  
Delta R.T. 0.006 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14

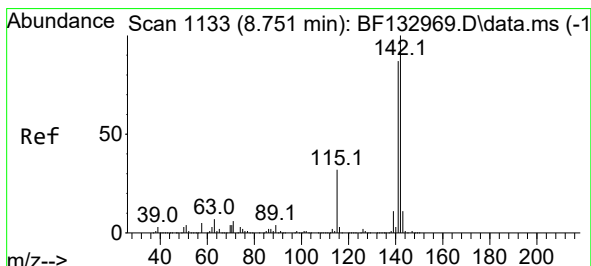
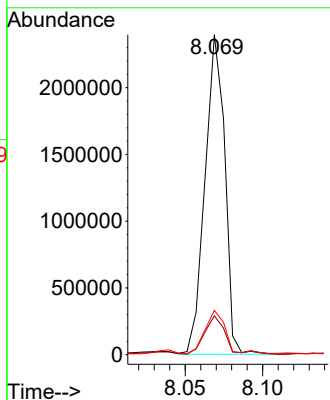
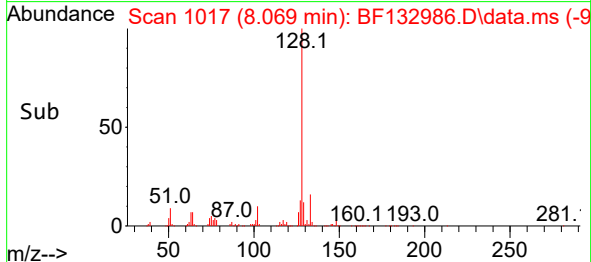
Instrument :  
BNA\_F  
ClientSampleId :  
SPA-1WC-23-04



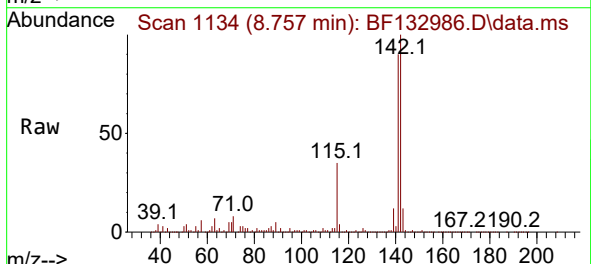
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Ion Ratio Lower Upper  
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129 12.1 8.8 13.2  
127 13.9 10.7 16.1

Manual Integrations  
APPROVED

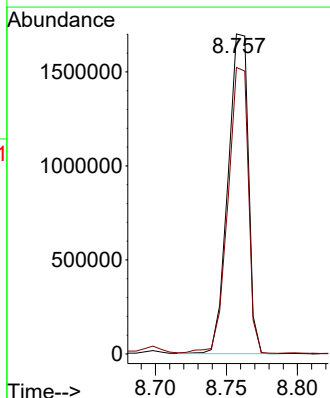
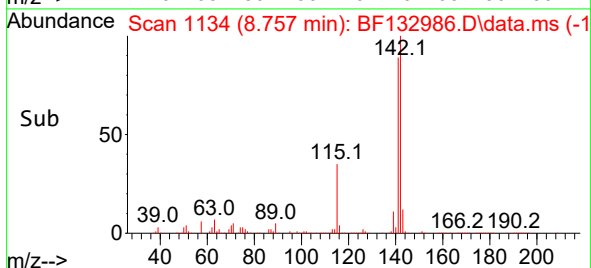
Reviewed By :Christian Giraldo 04/24/2023  
Supervised By :Jagrut Upadhyay 04/24/2023

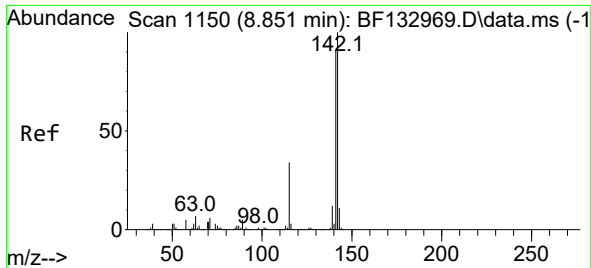


#37  
2-Methylnaphthalene  
Concen: 71.543 ng  
RT: 8.757 min Scan# 1134  
Delta R.T. 0.006 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14



Tgt Ion:142 Resp: 1699904  
Ion Ratio Lower Upper  
142 100  
141 89.5 69.4 104.0





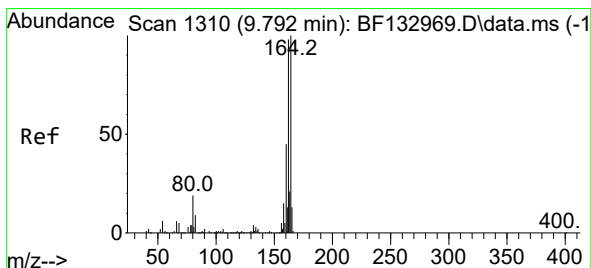
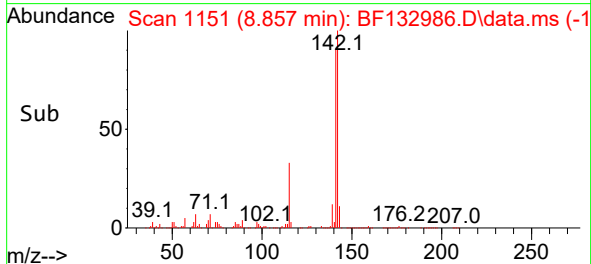
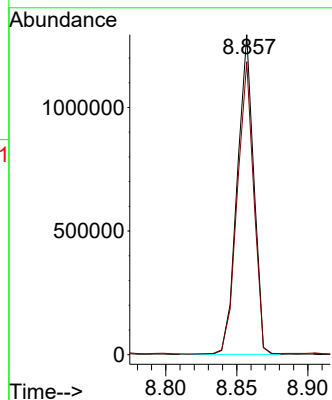
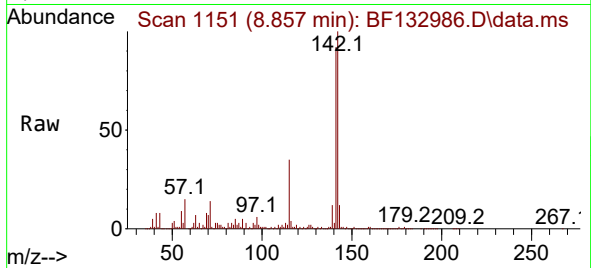
#38  
1-Methylnaphthalene  
Concen: 46.954 ng  
RT: 8.857 min Scan# 1151  
Delta R.T. 0.006 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14

Instrument :  
BNA\_F  
ClientSampleId :  
SPA-1WC-23-04

Tgt Ion:142 Resp: 104367  
Ion Ratio Lower Upper  
142 100  
141 91.6 73.1 109.7

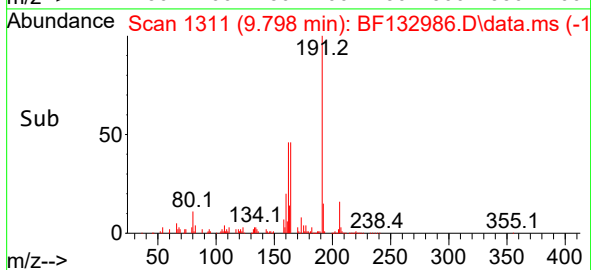
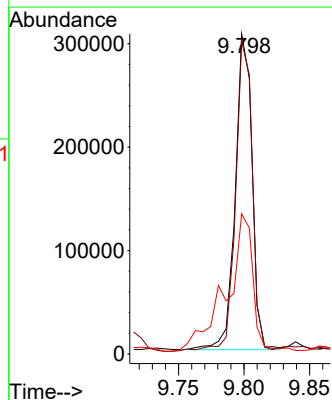
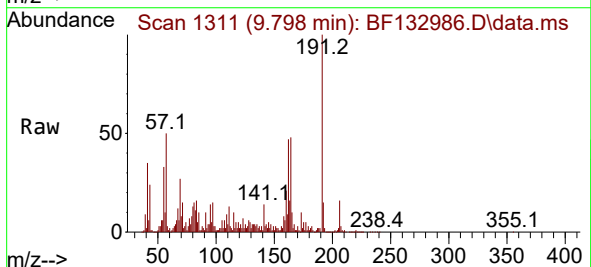
Manual Integrations  
APPROVED

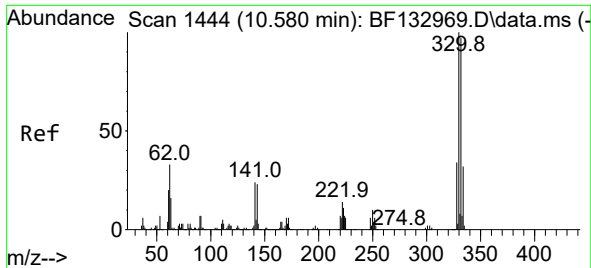
Reviewed By :Christian Giraldo 04/24/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.798 min Scan# 1311  
Delta R.T. 0.006 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14

Tgt Ion:164 Resp: 273116  
Ion Ratio Lower Upper  
164 100  
162 97.7 78.7 118.1  
160 43.8 35.8 53.6





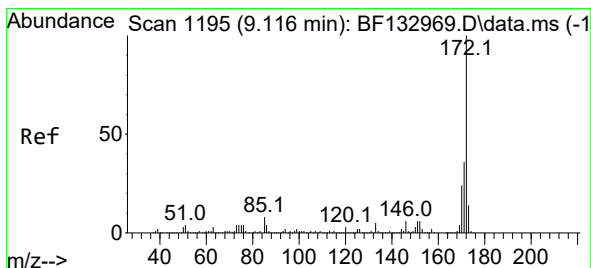
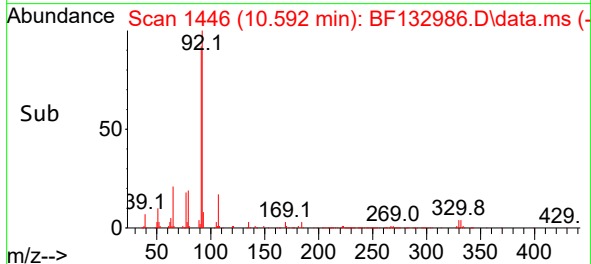
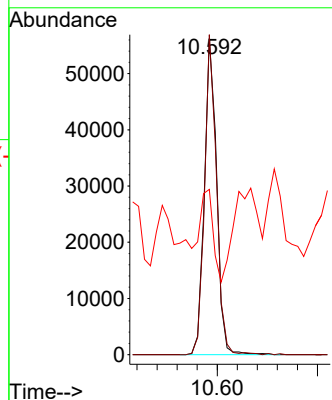
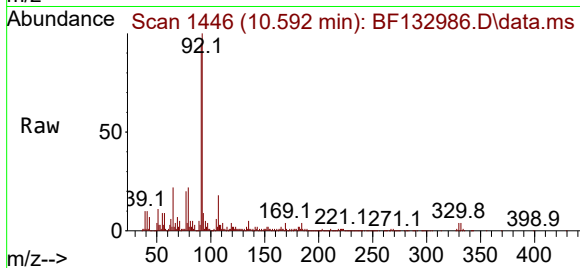
#42  
2,4,6-Tribromophenol  
Concen: 17.477 ng  
RT: 10.592 min Scan# 1444  
Delta R.T. 0.012 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14

Instrument :  
BNA\_F  
ClientSampleId :  
SPA-1WC-23-04

Tgt Ion: 330 Resp: 4800  
Ion Ratio Lower Upper  
330 100  
332 98.1 77.1 115.7  
141 32.4 25.8 38.8

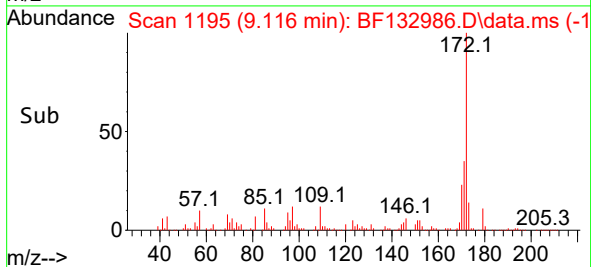
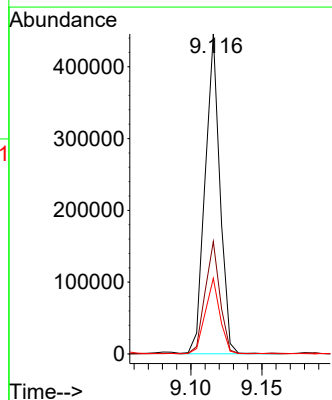
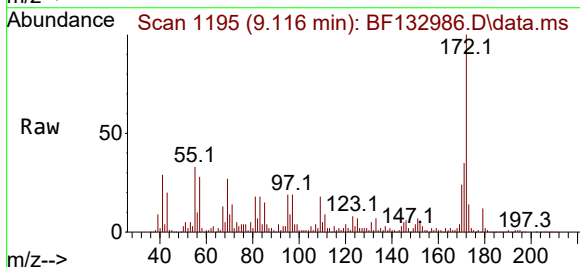
Manual Integrations  
APPROVED

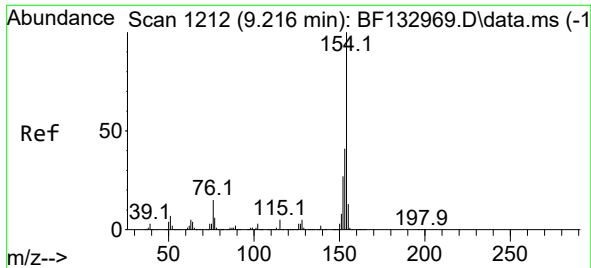
Reviewed By : Christian Giraldo 04/24/2023  
Supervised By : Jagrut Upadhyay 04/24/2023



#45  
2-Fluorobiphenyl  
Concen: 19.789 ng  
RT: 9.116 min Scan# 1195  
Delta R.T. -0.000 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14

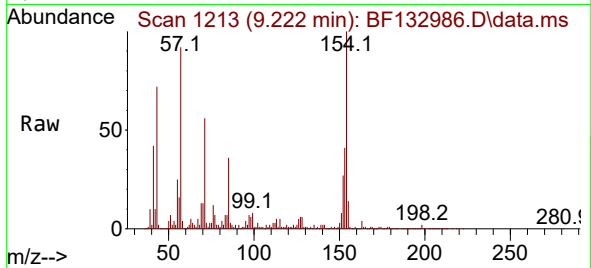
Tgt Ion: 172 Resp: 323056  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.8 43.2  
170 23.6 19.4 29.2





#46  
1,1'-Biphenyl  
Concen: 46.152 ng  
RT: 9.222 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14

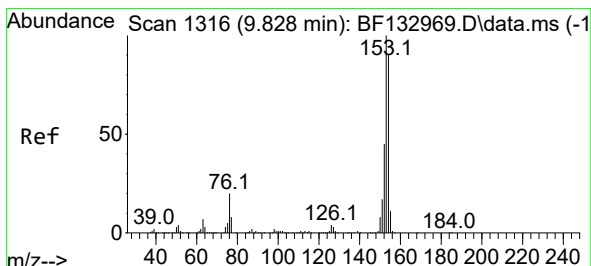
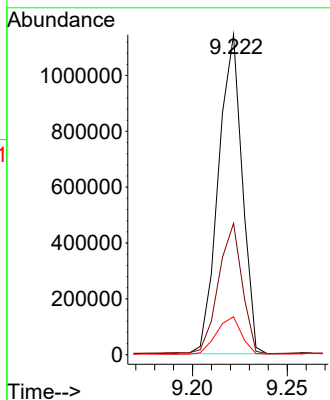
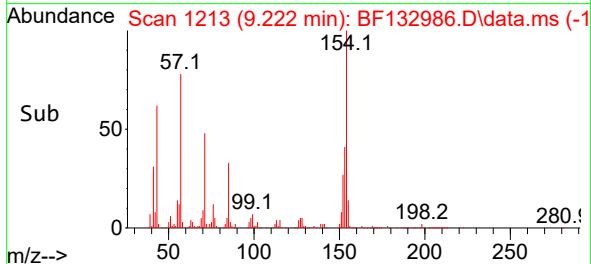
Instrument :  
BNA\_F  
ClientSampleId :  
SPA-1WC-23-04



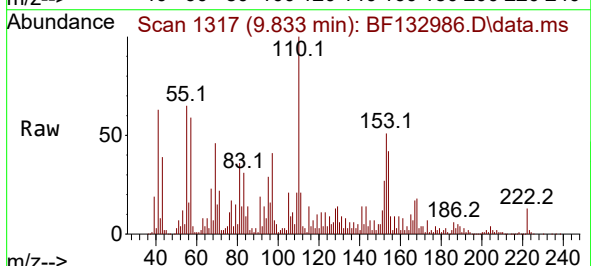
Tgt Ion:154 Resp: 999500  
Ion Ratio Lower Upper  
154 100  
153 41.1 21.0 61.0  
76 11.9 0.0 34.5

Manual Integrations  
APPROVED

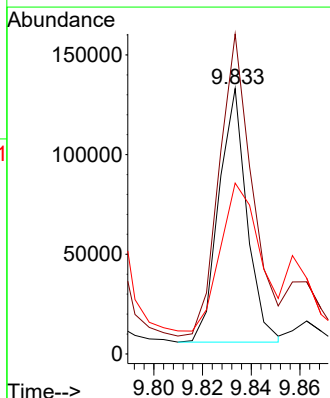
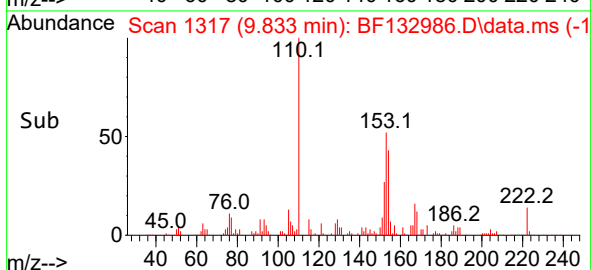
Reviewed By :Christian Giraldo 04/24/2023  
Supervised By :Jagrut Upadhyay 04/24/2023

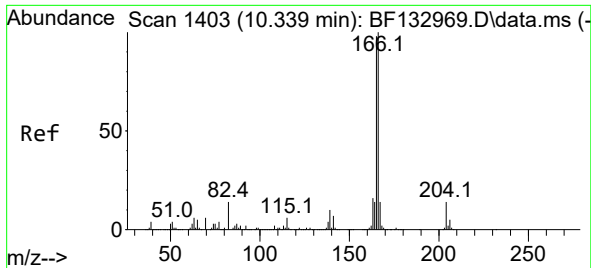


#52  
Acenaphthene  
Concen: 6.019 ng  
RT: 9.833 min Scan# 1317  
Delta R.T. 0.006 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14



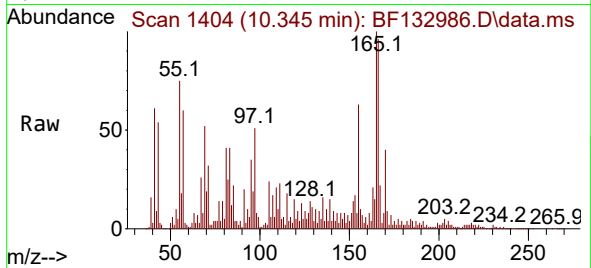
Tgt Ion:154 Resp: 102100  
Ion Ratio Lower Upper  
154 100  
153 120.5 89.0 133.6  
152 64.4 40.4 60.6





#58  
Fluorene  
Concen: 12.087 ng  
RT: 10.345 min Scan# 1404  
Delta R.T. 0.006 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14

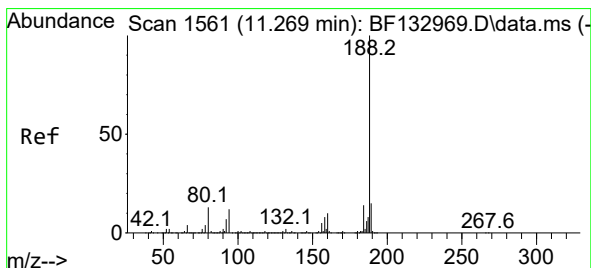
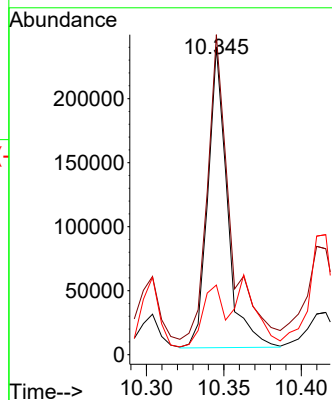
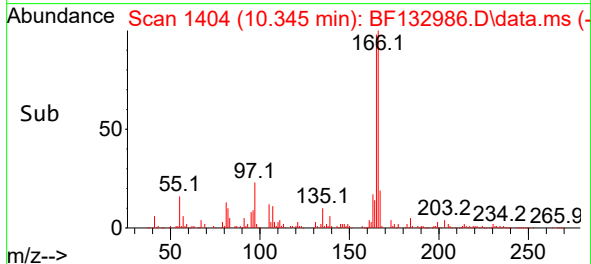
Instrument :  
BNA\_F  
ClientSampleId :  
SPA-1WC-23-04



Tgt Ion:166 Resp: 204911  
Ion Ratio Lower Upper  
166 100  
165 103.9 78.6 117.8  
167 22.6 11.0 16.4

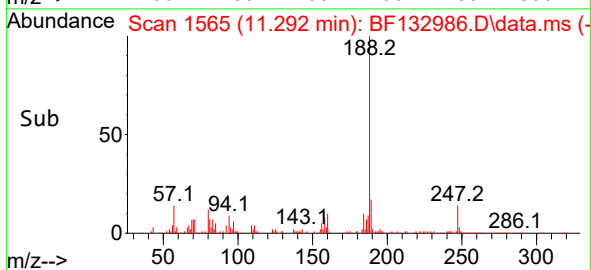
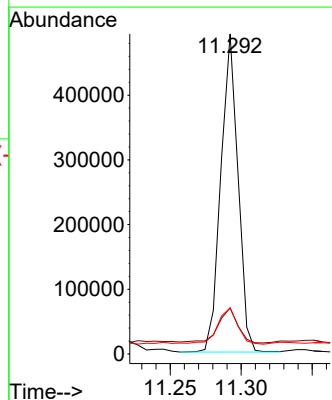
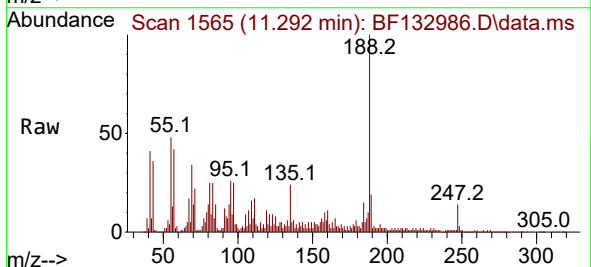
Manual Integrations  
APPROVED

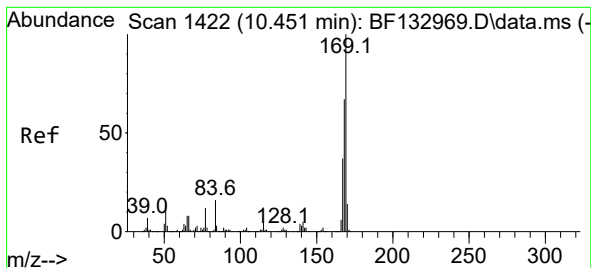
Reviewed By :Christian Giraldo 04/24/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.292 min Scan# 1565  
Delta R.T. 0.024 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14

Tgt Ion:188 Resp: 413329  
Ion Ratio Lower Upper  
188 100  
94 14.4 9.7 14.5  
80 14.4 10.4 15.6





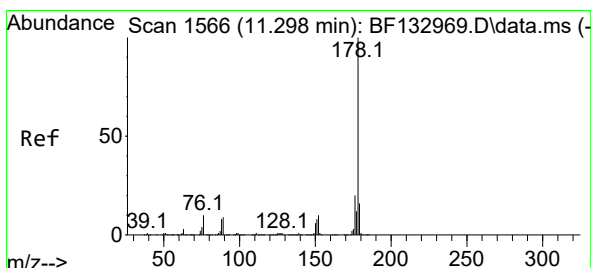
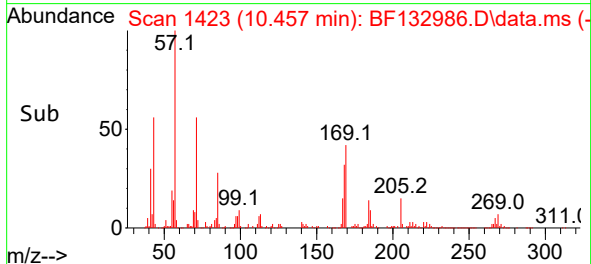
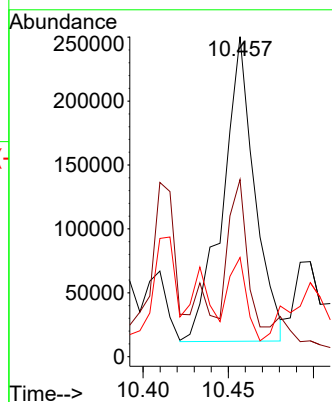
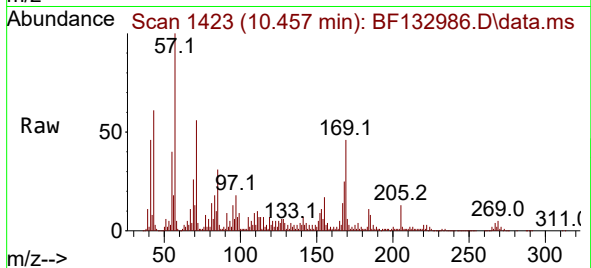
#66  
n-Nitrosodiphenylamine  
Concen: 23.157 ng  
RT: 10.457 min Scan# 1423  
Delta R.T. 0.006 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14

Instrument :  
BNA\_F  
ClientSampleId :  
SPA-1WC-23-04

Tgt Ion:169 Resp: 31047  
Ion Ratio Lower Upper  
169 100  
168 55.4 53.8 80.8  
167 31.0 29.7 44.5

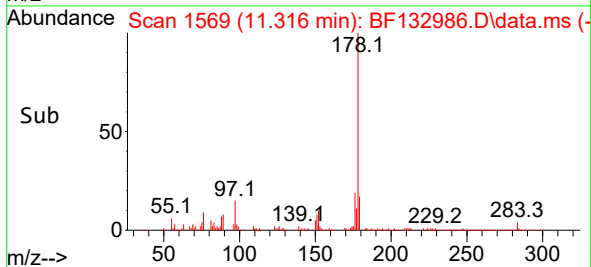
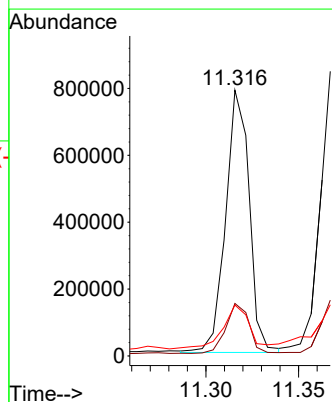
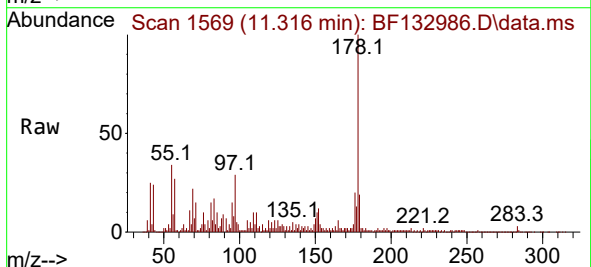
Manual Integrations  
APPROVED

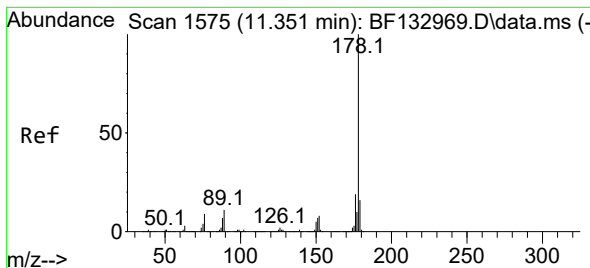
Reviewed By :Christian Giraldo 04/24/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#71  
Phenanthrene  
Concen: 31.276 ng m  
RT: 11.316 min Scan# 1569  
Delta R.T. 0.018 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14

Tgt Ion:178 Resp: 694803  
Ion Ratio Lower Upper  
178 100  
176 19.7 15.9 23.9  
179 19.2 12.5 18.7#





#72

Anthracene

Concen: 32.333 ng

RT: 11.369 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

Instrument :

BNA\_F

ClientSampleId :

SPA-1WC-23-04

Tgt Ion:178 Resp: 735089

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.0

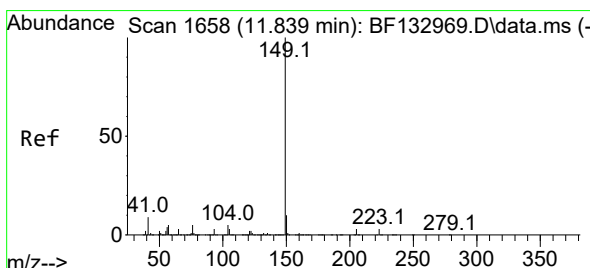
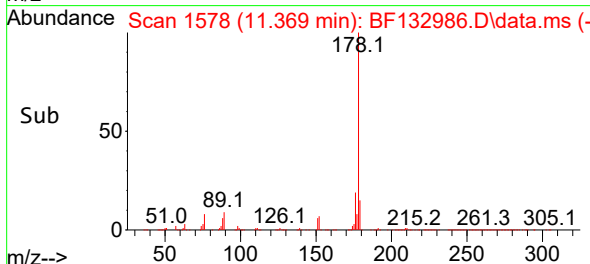
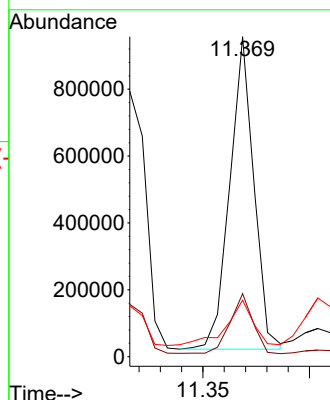
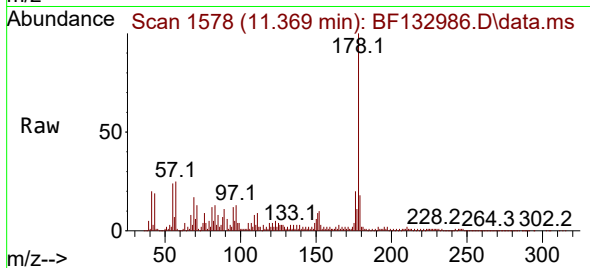
179 17.7 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/24/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#74

Di-n-butylphthalate

Concen: 5.514 ng

RT: 11.857 min Scan# 1661

Delta R.T. 0.018 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

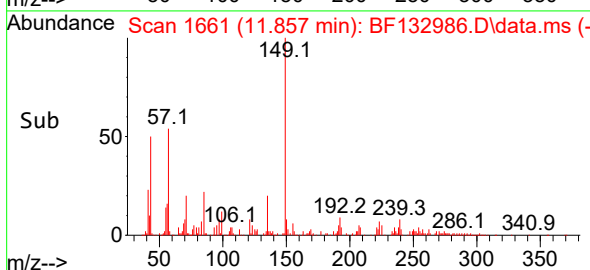
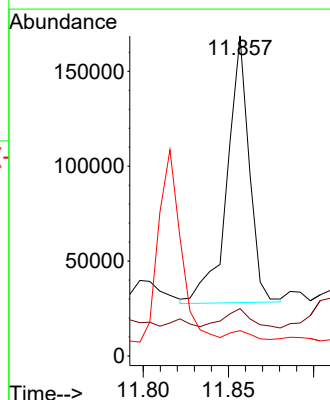
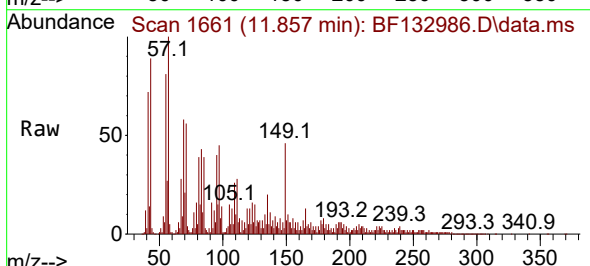
Tgt Ion:149 Resp: 126329

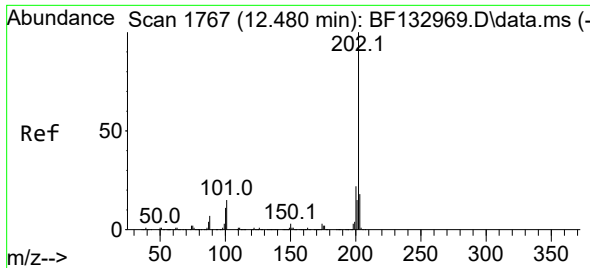
Ion Ratio Lower Upper

149 100

150 14.8 7.6 11.4#

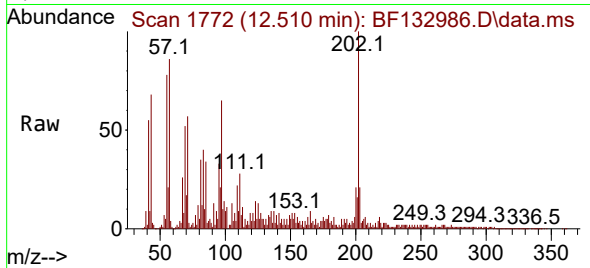
104 7.9 4.0 6.0#





#75  
Fluoranthene  
Concen: 17.128 ng  
RT: 12.510 min Scan# 1772  
Delta R.T. 0.029 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14

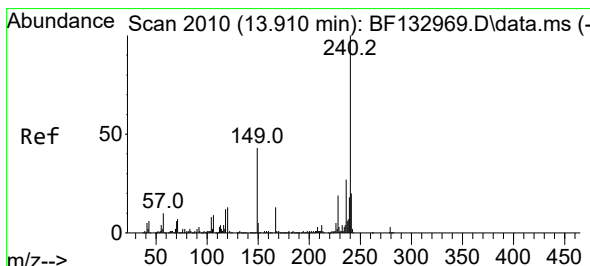
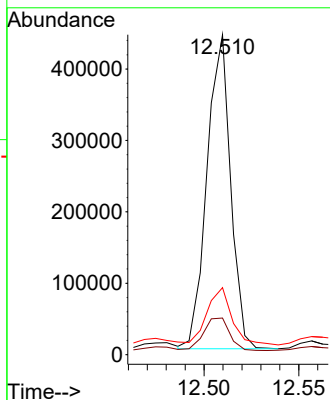
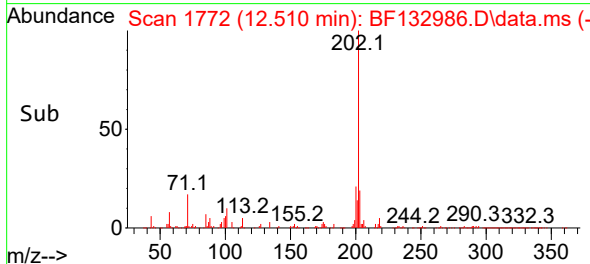
Instrument :  
BNA\_F  
ClientSampleId :  
SPA-1WC-23-04



Tgt Ion:202 Resp: 38186  
Ion Ratio Lower Upper  
202 100  
101 11.5 0.0 35.3  
203 20.9 0.0 38.1

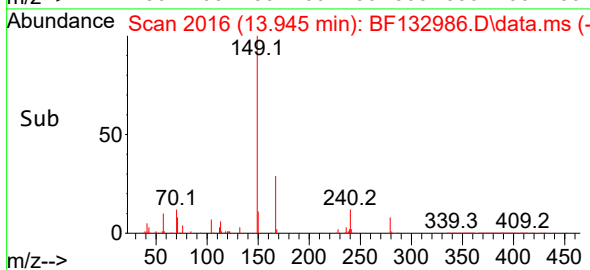
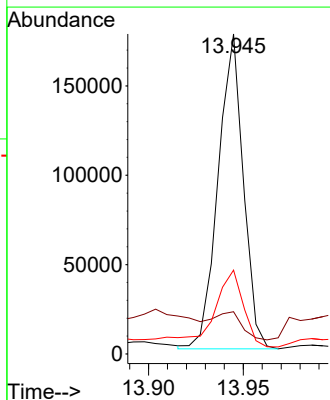
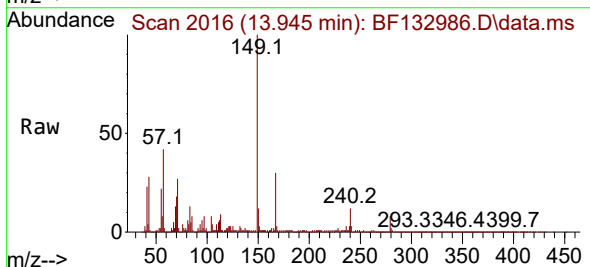
Manual Integrations  
APPROVED

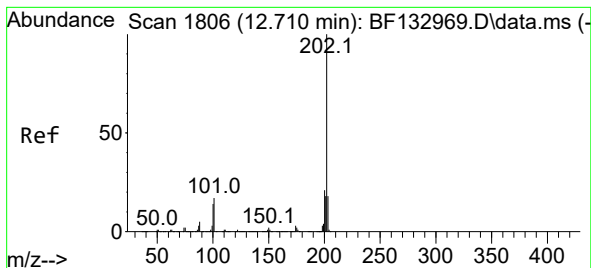
Reviewed By :Christian Giraldo 04/24/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.945 min Scan# 2016  
Delta R.T. 0.035 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14

Tgt Ion:240 Resp: 162788  
Ion Ratio Lower Upper  
240 100  
120 13.2 10.5 15.7  
236 26.2 21.5 32.3





#78

Pyrene

Concen: 27.134 ng m

RT: 12.739 min Scan# 1811

Delta R.T. 0.029 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

Instrument :

BNA\_F

ClientSampleId :

SPA-1WC-23-04

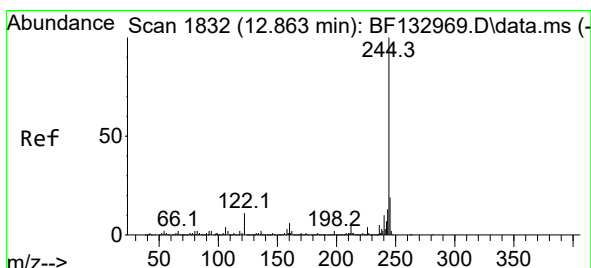
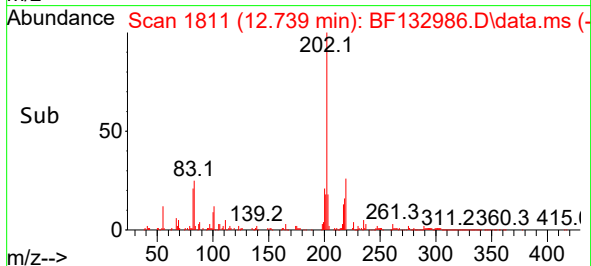
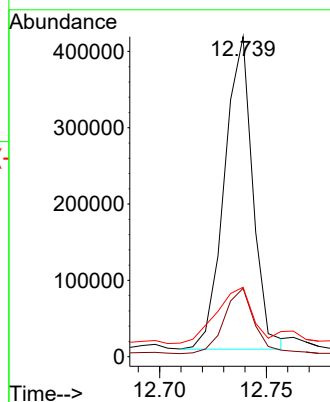
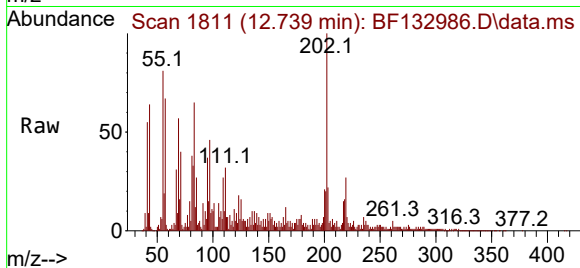
Tgt Ion:202 Resp: 37864

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 21.4  | 17.1  | 25.7  |
| 203 | 21.7  | 14.1  | 21.1  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/24/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#79

Terphenyl-d14

Concen: 22.056 ng

RT: 12.880 min Scan# 1835

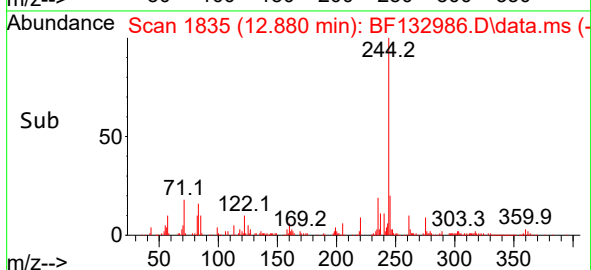
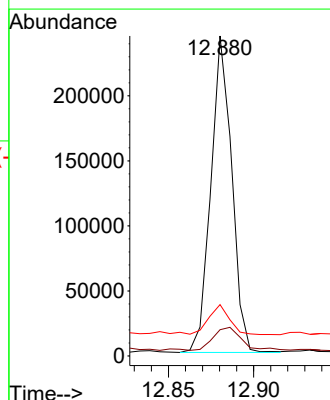
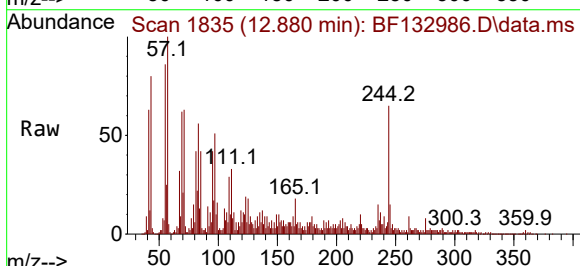
Delta R.T. 0.018 min

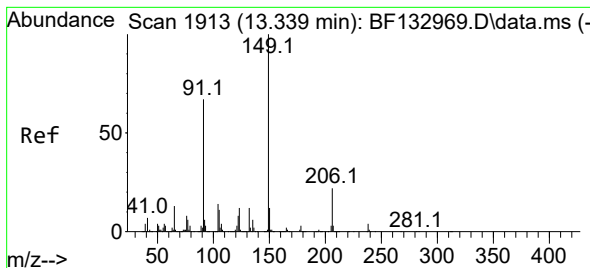
Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

Tgt Ion:244 Resp: 208178

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.2   | 5.1   | 7.7#  |
| 122 | 16.1  | 8.6   | 13.0# |





#80

Butylbenzylphthalate

Concen: 24.926 ng

RT: 13.368 min Scan# 1913

Delta R.T. 0.029 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

Instrument :

BNA\_F

ClientSampleId :

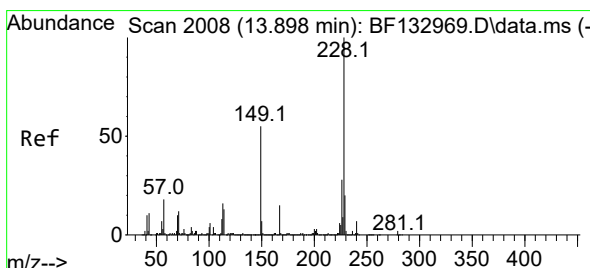
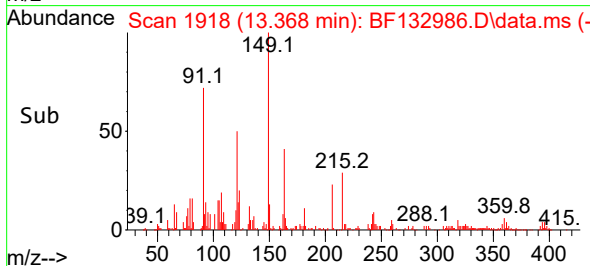
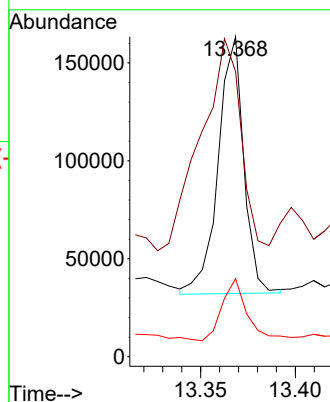
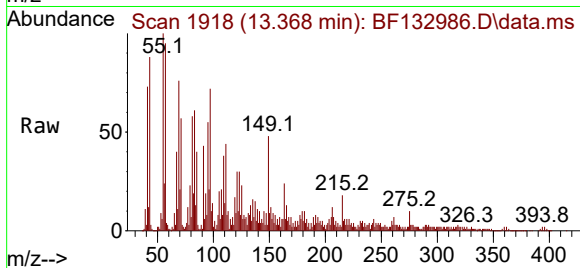
SPA-1WC-23-04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 123158 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 91        | 89.2  | 53.8  | 80.6   |
| 206       | 24.4  | 17.5  | 26.3   |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/24/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#81

Benzo(a)anthracene

Concen: 10.584 ng

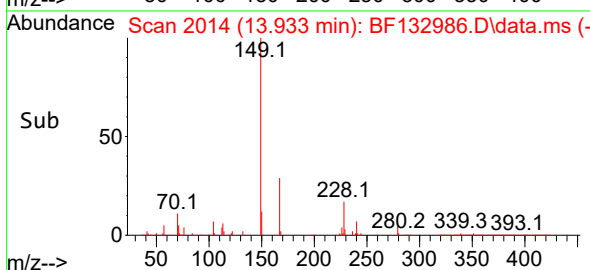
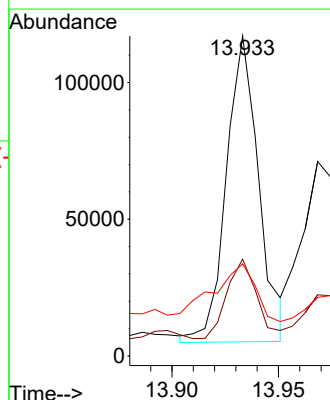
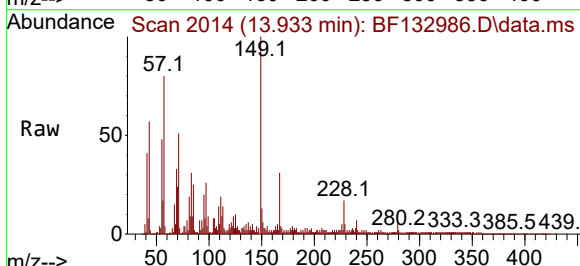
RT: 13.933 min Scan# 2014

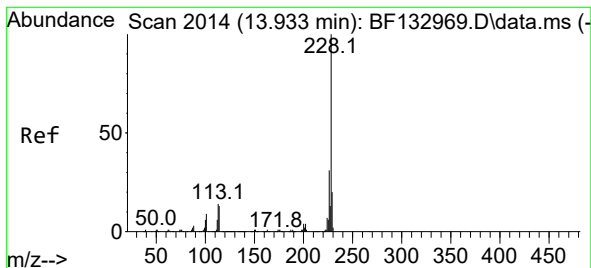
Delta R.T. 0.035 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 118481 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.3  | 22.2  | 33.4   |
| 229       | 28.8  | 16.0  | 24.0   |





#83

Chrysene

Concen: 7.083 ng

RT: 13.968 min Scan# 20

Delta R.T. 0.035 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

Instrument :

BNA\_F

ClientSampleId :

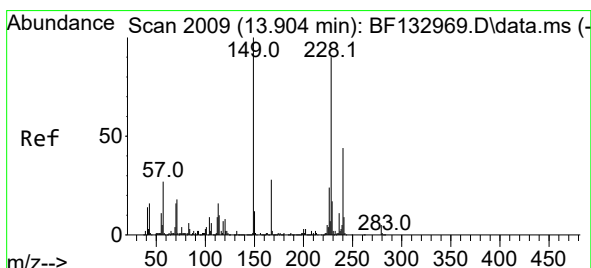
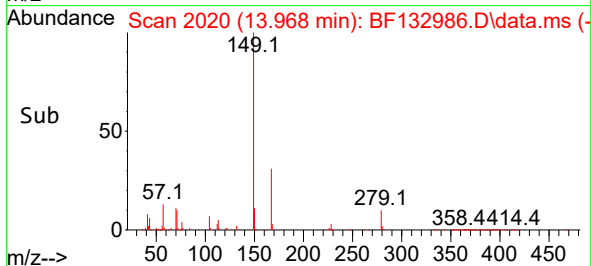
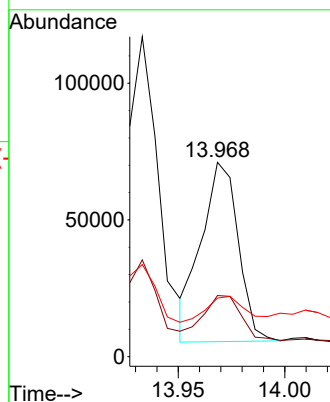
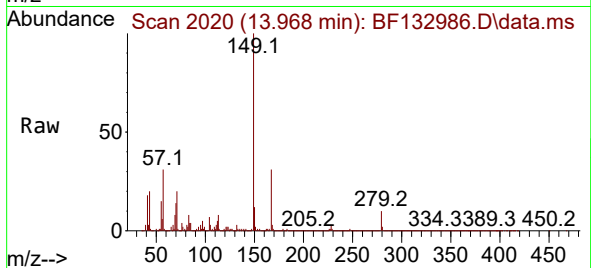
SPA-1WC-23-04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 79268 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 31.4  | 24.7  | 37.1  |
| 229       | 30.2  | 16.1  | 24.1  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/24/2023  
Supervised By :Jagrut Upadhyay 04/24/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 770.327 ng

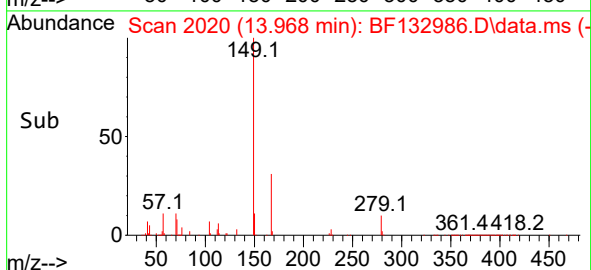
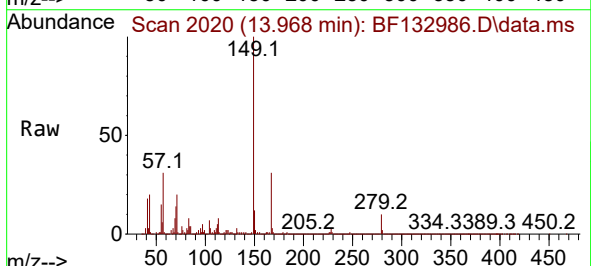
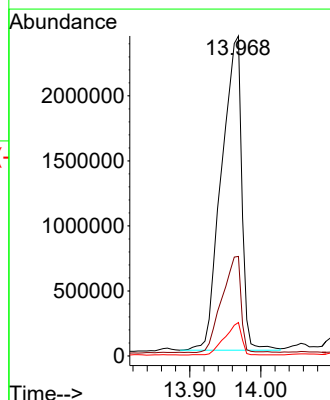
RT: 13.968 min Scan# 2020

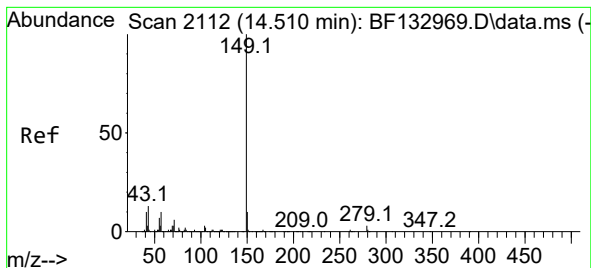
Delta R.T. 0.065 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

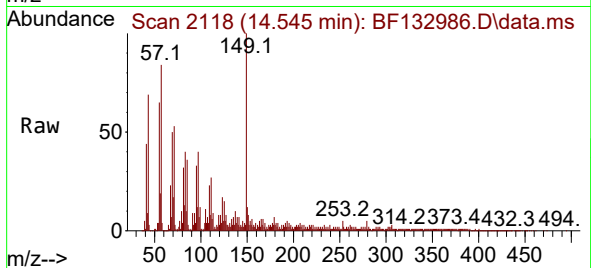
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 149   | Resp: | 4777455 |
| Ion Ratio | Lower | Upper |         |
| 149       | 100   |       |         |
| 167       | 31.1  | 22.5  | 33.7    |
| 279       | 10.5  | 4.2   | 6.4     |





#85  
Di-n-octyl phthalate  
Concen: 76.643 ng  
RT: 14.545 min Scan# 2118  
Delta R.T. 0.035 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14

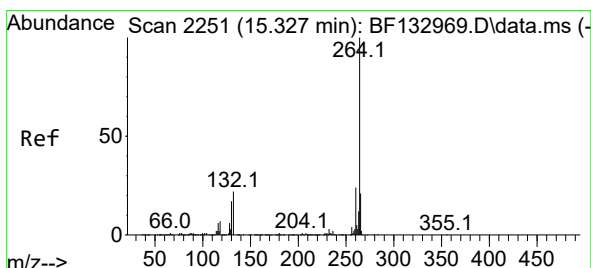
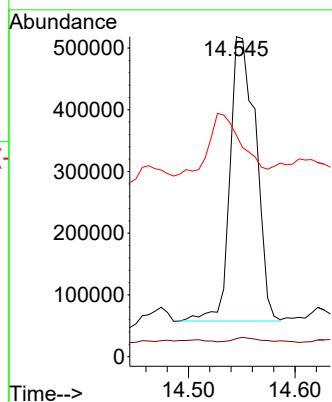
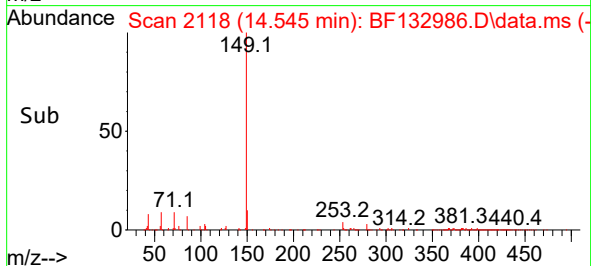
Instrument :  
BNA\_F  
ClientSampleId :  
SPA-1WC-23-04



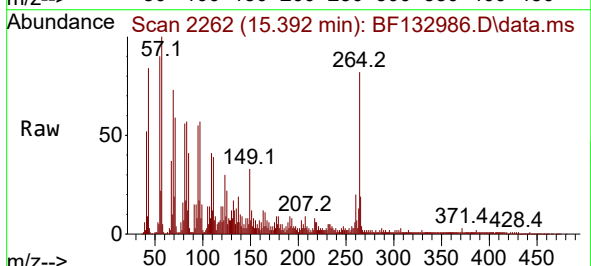
Tgt Ion:149 Resp: 775045  
Ion Ratio Lower Upper  
149 100  
167 2.1 1.2 1.8  
43 0.0 9.5 14.3

Manual Integrations  
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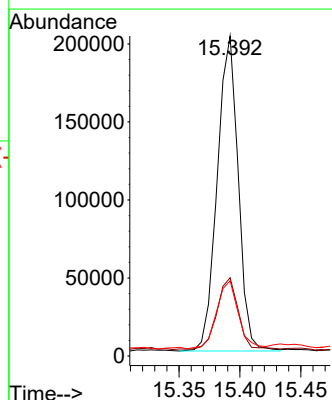
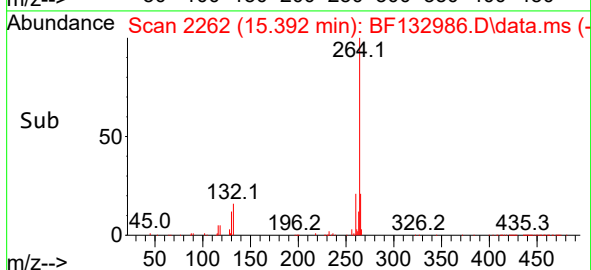
Reviewed By :Christian Giraldo 04/24/2023  
Supervised By :Jagrut Upadhyay 04/24/2023

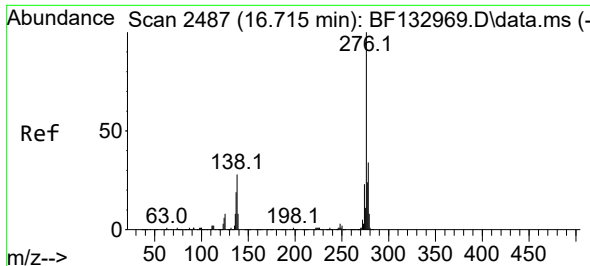


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.392 min Scan# 2262  
Delta R.T. 0.065 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14



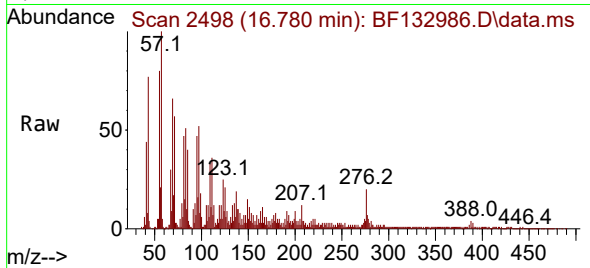
Tgt Ion:264 Resp: 242456  
Ion Ratio Lower Upper  
264 100  
260 24.5 18.8 28.2  
265 23.5 17.0 25.4





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 3.668 ng  
RT: 16.780 min Scan# 2487  
Delta R.T. 0.065 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14

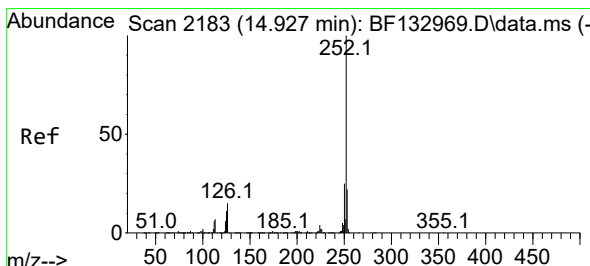
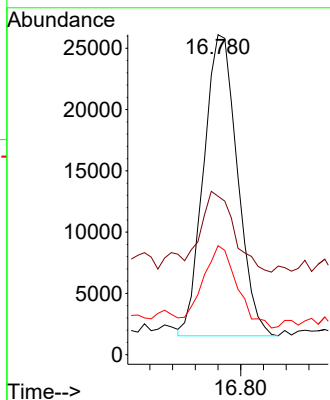
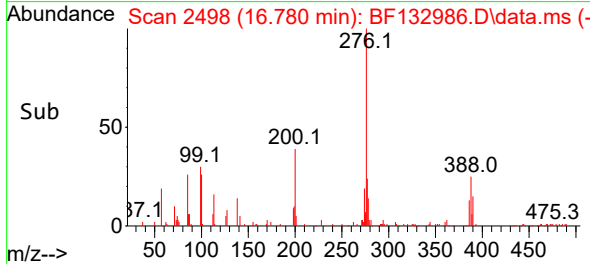
Instrument :  
BNA\_F  
ClientSampleId :  
SPA-1WC-23-04



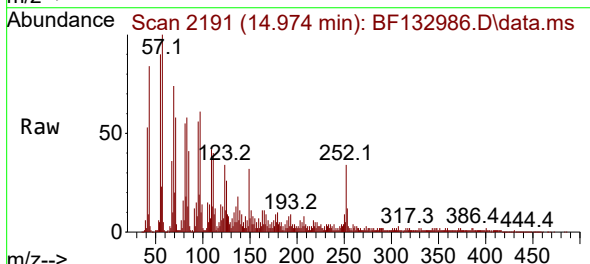
Tgt Ion:276 Resp: 50592  
Ion Ratio Lower Upper  
276 100  
138 28.9 25.5 38.3  
277 28.3 20.4 30.6

Manual Integrations  
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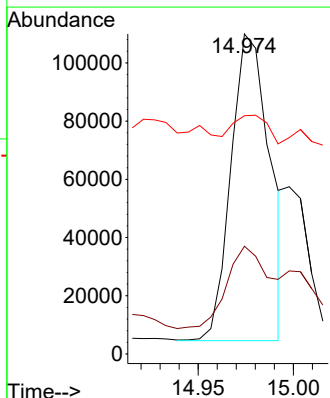
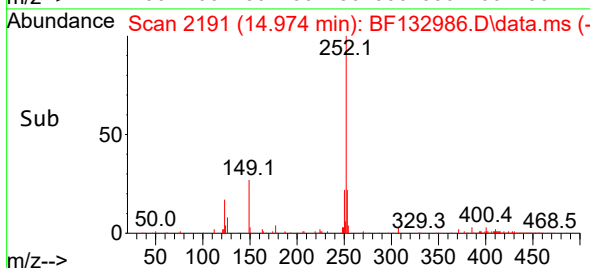
Reviewed By :Christian Giraldo 04/24/2023  
Supervised By :Jagrut Upadhyay 04/24/2023

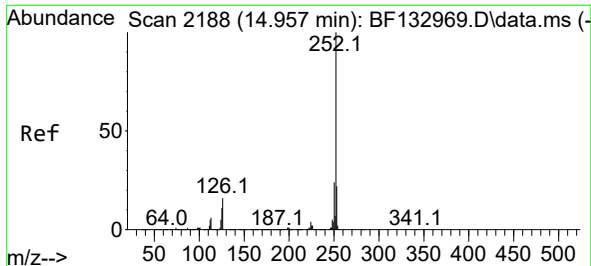


#88  
Benzo(b)fluoranthene  
Concen: 9.692 ng m  
RT: 14.974 min Scan# 2191  
Delta R.T. 0.047 min  
Lab File: BF132986.D  
Acq: 22 Apr 2023 00:14



Tgt Ion:252 Resp: 149502  
Ion Ratio Lower Upper  
252 100  
253 33.7 17.6 26.4#  
125 74.5 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 3.147 ng m

RT: 14.998 min Scan# 2188

Delta R.T. 0.041 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

Instrument :

BNA\_F

ClientSampleId :

SPA-1WC-23-04

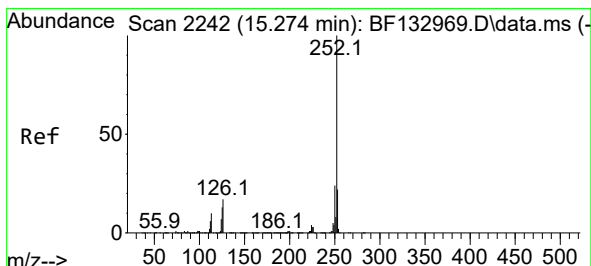
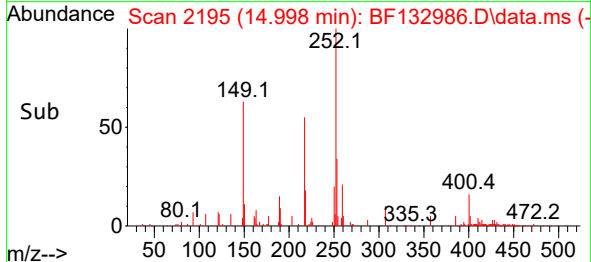
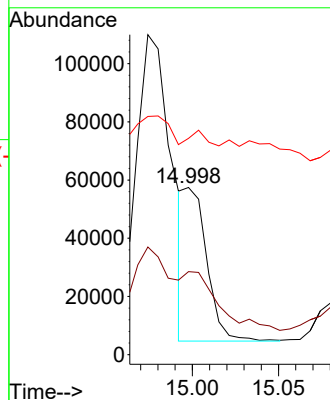
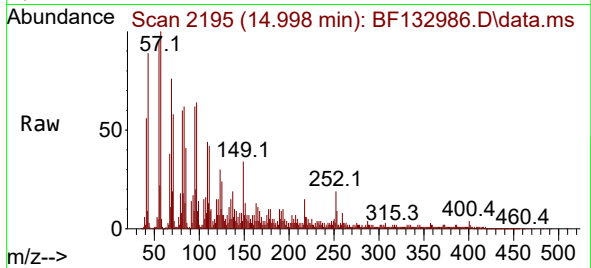
Tgt Ion:252 Resp: 48124  
 Ion Ratio Lower Upper  
 252 100  
 253 49.6 17.7 26.5#  
 125 129.3 9.0 13.4#

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/24/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#90

Benzo(a)pyrene

Concen: 7.317 ng

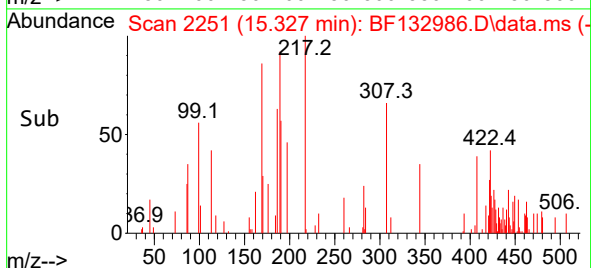
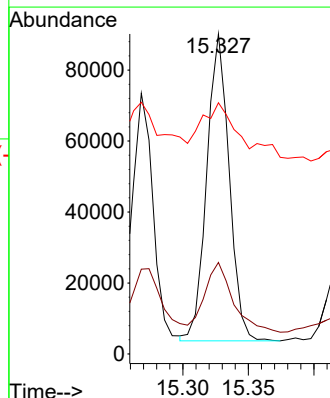
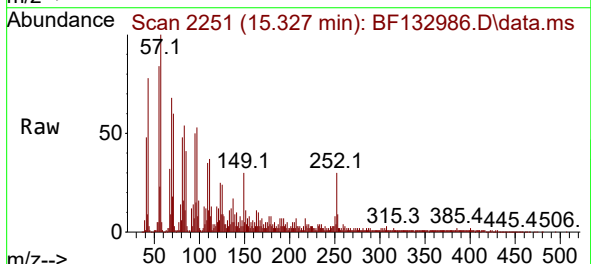
RT: 15.327 min Scan# 2251

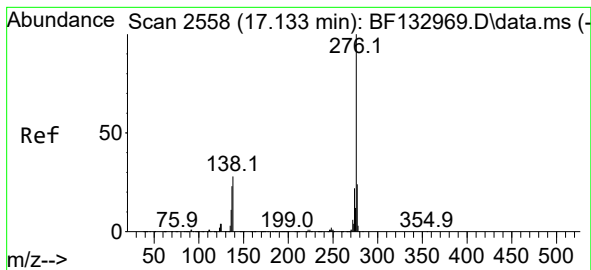
Delta R.T. 0.053 min

Lab File: BF132986.D

Acq: 22 Apr 2023 00:14

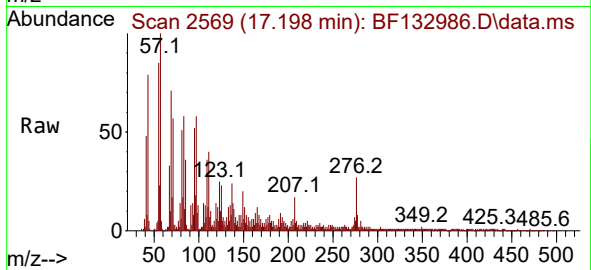
Tgt Ion:252 Resp: 102722  
 Ion Ratio Lower Upper  
 252 100  
 253 28.6 17.7 26.5#  
 125 78.5 10.5 15.7#





#92  
 Benzo(g,h,i)perylene  
 Concen: 5.030 ng  
 RT: 17.198 min Scan# 21  
 Delta R.T. 0.065 min  
 Lab File: BF132986.D  
 Acq: 22 Apr 2023 00:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SPA-1WC-23-04



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 57120 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 30.0  | 19.4  | 29.0  |
| 138       | 51.9  | 22.7  | 34.1  |

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 04/24/2023  
 Supervised By :Jagrut Upadhyay 04/24/2023

