

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010923\  
 Data File : BF131981.D  
 Acq On : 10 Jan 2023 00:44  
 Operator : CG\JU  
 Sample : N6245-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WASTE-COMP

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 01/10/2023  
 Supervised By : Jagrut Upadhyay 01/10/2023

Quant Time: Jan 10 03:17:19 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF010923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 10 00:32:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.787  | 152  | 60581    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.075  | 136  | 202388   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.839  | 164  | 93038    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.333 | 188  | 143294   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.004 | 240  | 125903   | 20.000  | ng    | # 0.02   |
| 86) Perylene-d12              | 15.486 | 264  | 104098   | 20.000  | ng    | 0.04     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.398  | 112  | 374678   | 101.911 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.434  | 99   | 472035   | 96.835  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.357  | 82   | 349952   | 71.764  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.633 | 330  | 89600    | 83.759  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.157  | 172  | 527036   | 76.472  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.939 | 244  | 476587   | 54.254  | ng    | 0.01     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 71) Phenanthrene              | 11.357 | 178  | 39616    | 5.303   | ng    | # 80     |
| 75) Fluoranthene              | 12.563 | 202  | 48956    | 5.827   | ng    | 78       |
| 78) Pyrene                    | 12.792 | 202  | 60209    | 5.243   | ng    | # 80     |
| 81) Benzo(a)anthracene        | 13.992 | 228  | 28336    | 3.094   | ng    | # 55     |
| 83) Chrysene                  | 14.033 | 228  | 29328    | 3.426   | ng    | # 63     |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149  | 38649    | 6.155   | ng    | # 79     |
| 88) Benzo(b)fluoranthene      | 15.057 | 252  | 32034m   | 4.487   | ng    |          |
| 90) Benzo(a)pyrene            | 15.421 | 252  | 18973    | 2.949   | ng    | # 1      |
| 92) Benzo(g,h,i)perylene      | 17.392 | 276  | 11419    | 5.371   | ng    | # 80     |
| -----                         |        |      |          |         |       |          |

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

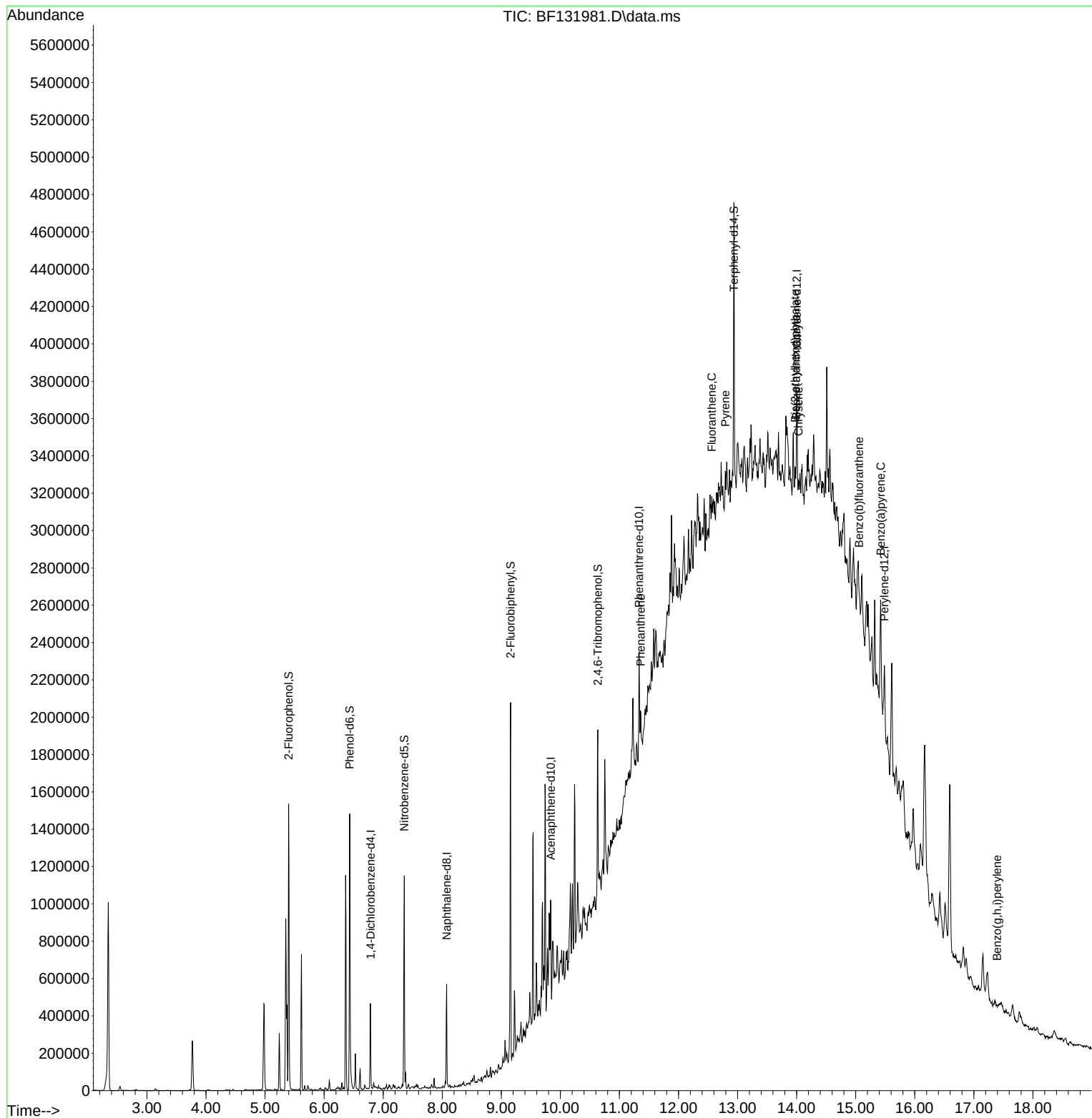
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010923\  
Data File : BF131981.D  
Acq On : 10 Jan 2023 00:44  
Operator : CG\JU  
Sample : N6245-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

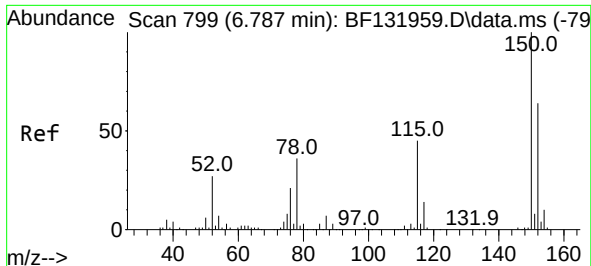
Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-COMP

Quant Time: Jan 10 03:17:19 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF010923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jan 10 00:32:25 2023  
Response via : Initial Calibration

Manual Integrations  
APPROVED

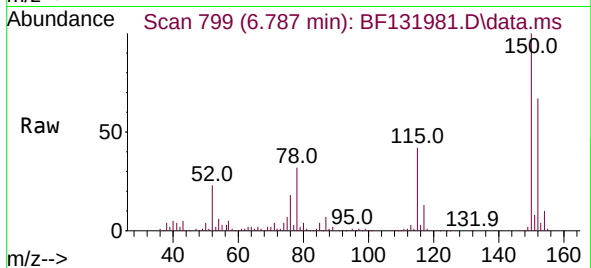
Reviewed By :Christian Giraldo 01/10/2023  
Supervised By :Jagrut Upadhyay 01/10/2023





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.787 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: BF131981.D  
Acq: 10 Jan 2023 00:44

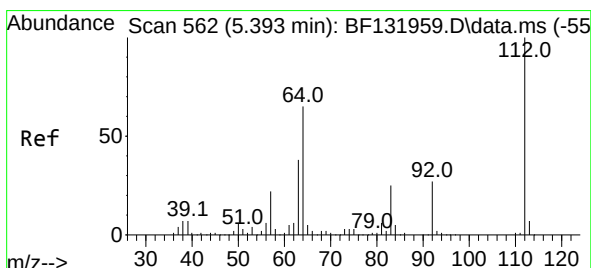
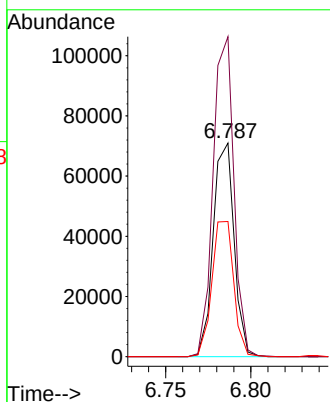
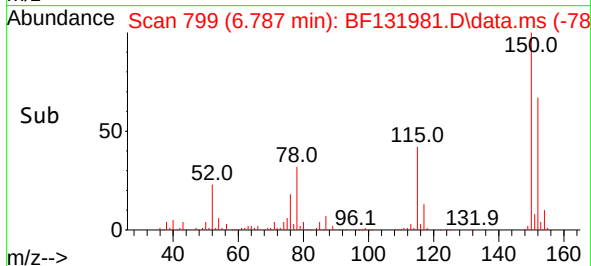
Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-COMP



Tgt Ion:152 Resp: 60581  
Ion Ratio Lower Upper  
152 100  
150 149.9 124.6 186.8  
115 63.3 55.6 83.4

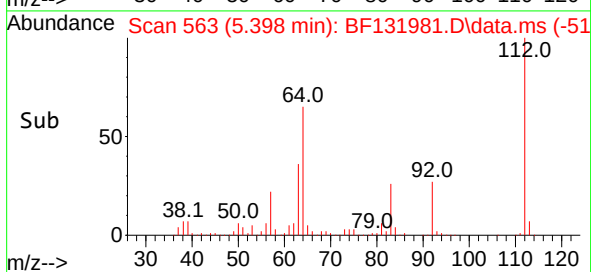
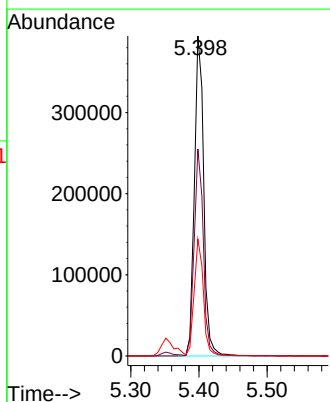
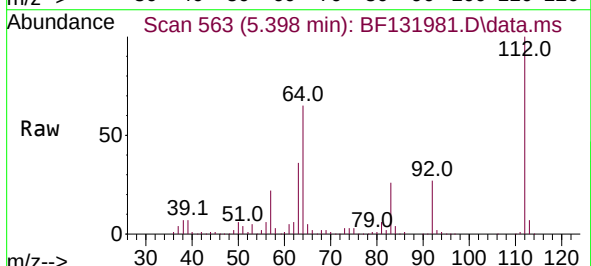
Manual Integrations  
APPROVED

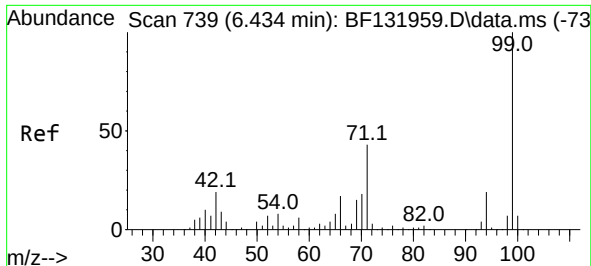
Reviewed By :Christian Giraldo 01/10/2023  
Supervised By :Jagrut Upadhyay 01/10/2023



#5  
2-Fluorophenol  
Concen: 101.911 ng  
RT: 5.398 min Scan# 563  
Delta R.T. 0.006 min  
Lab File: BF131981.D  
Acq: 10 Jan 2023 00:44

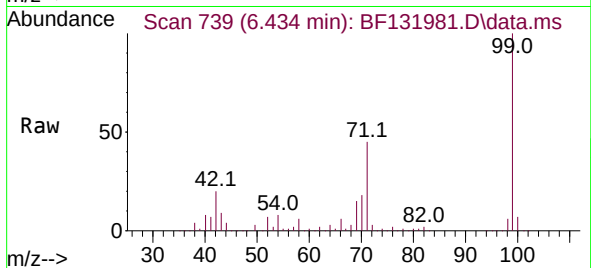
Tgt Ion:112 Resp: 374678  
Ion Ratio Lower Upper  
112 100  
64 64.7 51.9 77.9  
63 36.5 30.2 45.2





#7  
Phenol-d6  
Concen: 96.835 ng  
RT: 6.434 min Scan# 739  
Delta R.T. -0.000 min  
Lab File: BF131981.D  
Acq: 10 Jan 2023 00:44

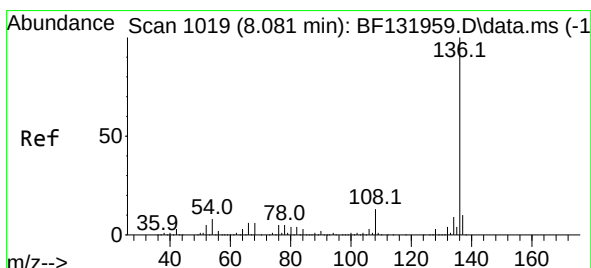
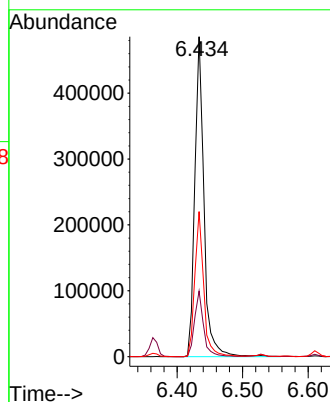
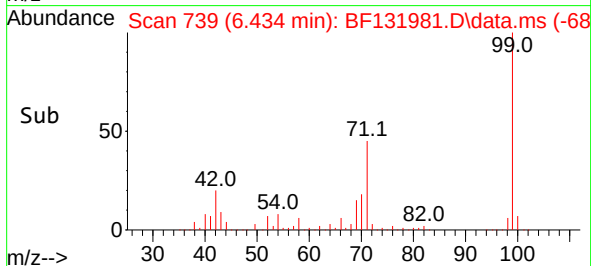
Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-COMP



Tgt Ion: 99 Resp: 472035  
Ion Ratio Lower Upper  
99 100  
42 20.5 15.4 23.2  
71 45.3 34.6 51.8

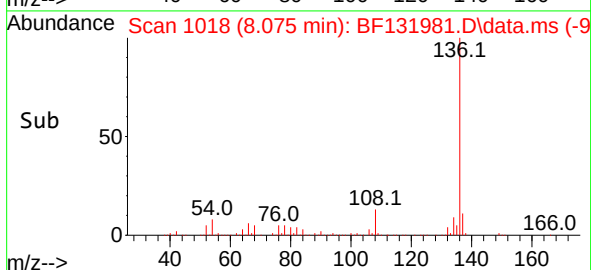
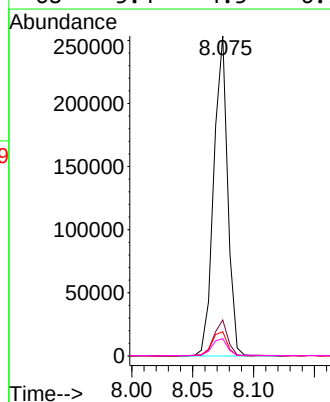
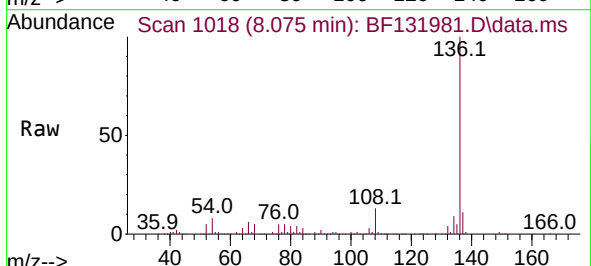
Manual Integrations  
APPROVED

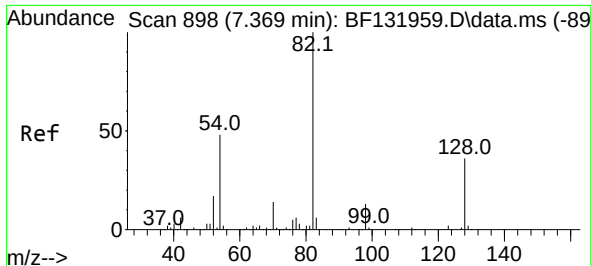
Reviewed By :Christian Giraldo 01/10/2023  
Supervised By :Jagrut Upadhyay 01/10/2023



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.075 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: BF131981.D  
Acq: 10 Jan 2023 00:44

Tgt Ion:136 Resp: 202388  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.2 12.2  
54 7.6 6.6 9.8  
68 5.4 4.5 6.7





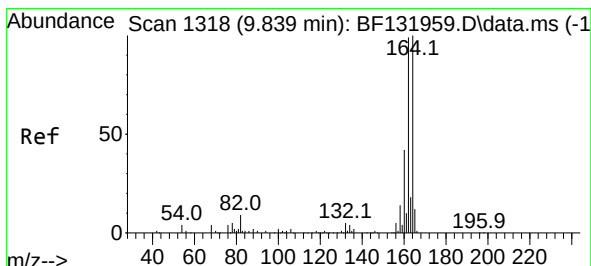
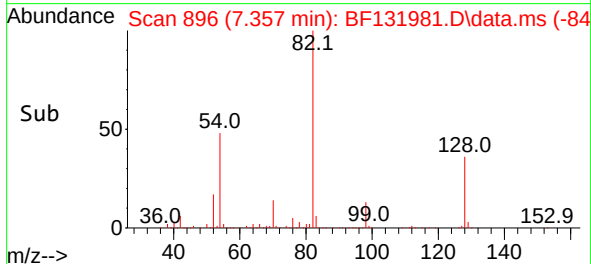
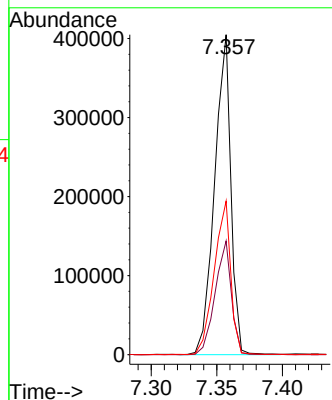
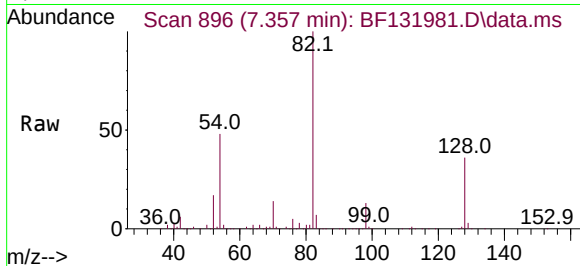
#23  
Nitrobenzene-d5  
Concen: 71.764 ng  
RT: 7.357 min Scan# 898  
Delta R.T. -0.012 min  
Lab File: BF131981.D  
Acq: 10 Jan 2023 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-COMP

Tgt Ion: 82 Resp: 349952  
Ion Ratio Lower Upper  
82 100  
128 35.5 28.7 43.1  
54 48.0 38.1 57.1

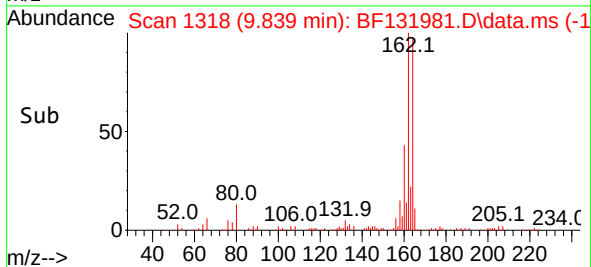
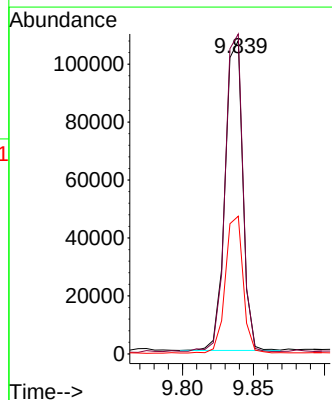
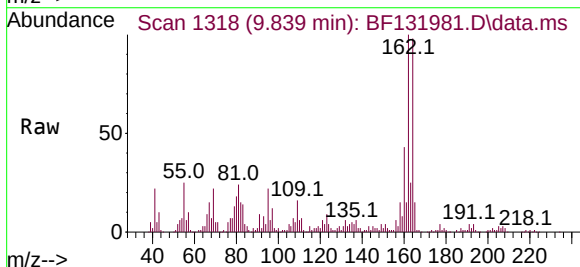
Manual Integrations  
APPROVED

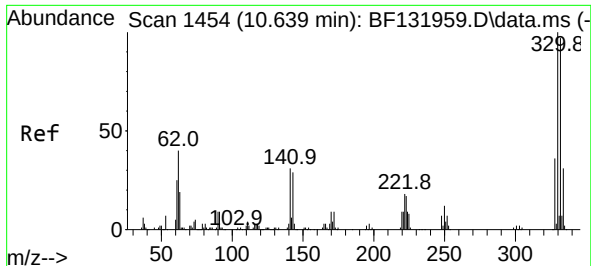
Reviewed By :Christian Giraldo 01/10/2023  
Supervised By :Jagrut Upadhyay 01/10/2023



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.839 min Scan# 1318  
Delta R.T. -0.000 min  
Lab File: BF131981.D  
Acq: 10 Jan 2023 00:44

Tgt Ion:164 Resp: 93038  
Ion Ratio Lower Upper  
164 100  
162 102.2 79.4 119.0  
160 44.0 33.9 50.9





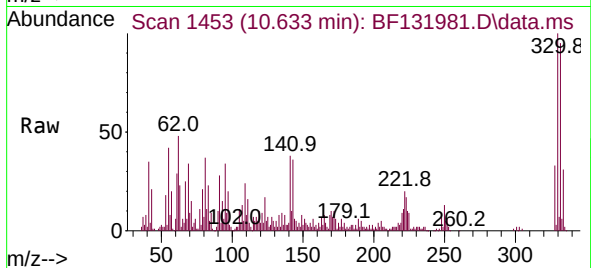
#42  
2,4,6-Tribromophenol  
Concen: 83.759 ng  
RT: 10.633 min Scan# 1454  
Delta R.T. -0.006 min  
Lab File: BF131981.D  
Acq: 10 Jan 2023 00:44

Instrument :

BNA\_F

ClientSampleId :

WASTE-COMP

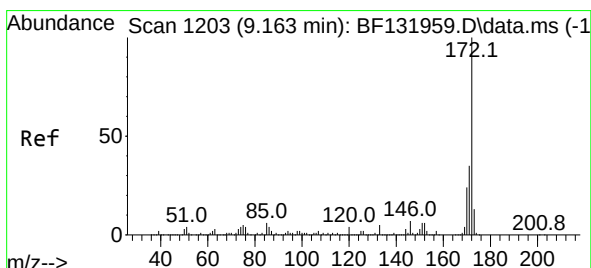
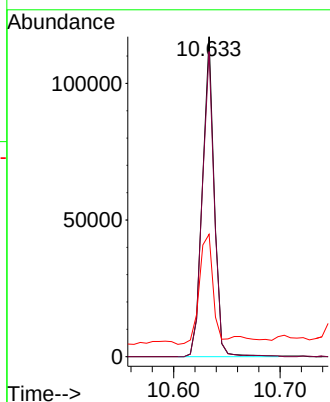
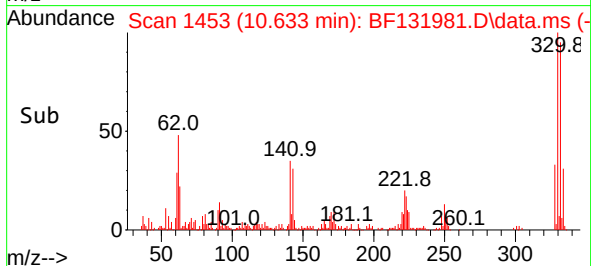


Tgt Ion: 330 Resp: 89600  
Ion Ratio Lower Upper  
330 100  
332 97.0 76.9 115.3  
141 40.7 31.3 46.9

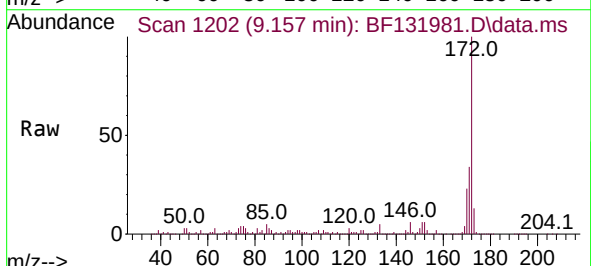
Manual Integrations

APPROVED

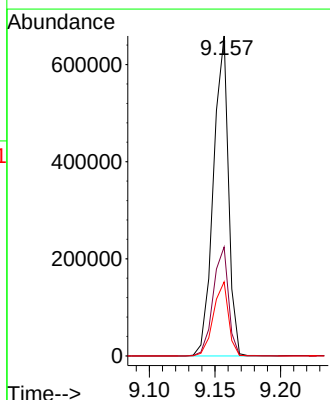
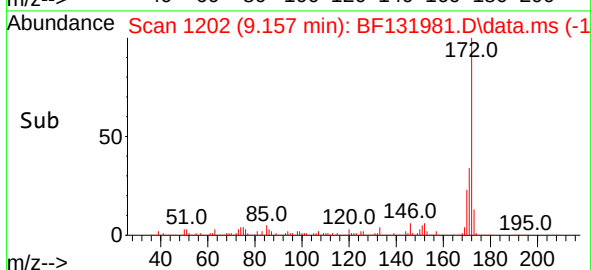
Reviewed By : Christian Giraldo 01/10/2023  
Supervised By : Jagrut Upadhyay 01/10/2023

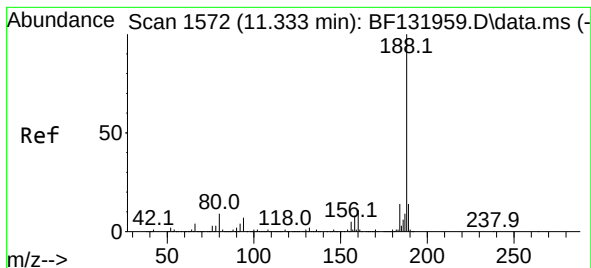


#45  
2-Fluorobiphenyl  
Concen: 76.472 ng  
RT: 9.157 min Scan# 1202  
Delta R.T. -0.006 min  
Lab File: BF131981.D  
Acq: 10 Jan 2023 00:44



Tgt Ion: 172 Resp: 527036  
Ion Ratio Lower Upper  
172 100  
171 34.0 28.0 42.0  
170 23.1 18.9 28.3





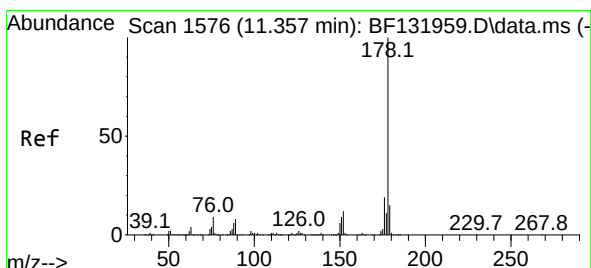
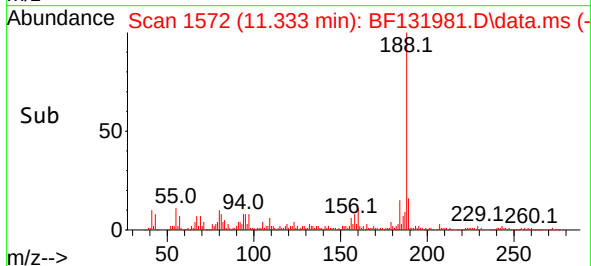
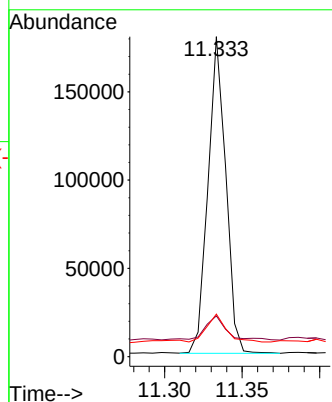
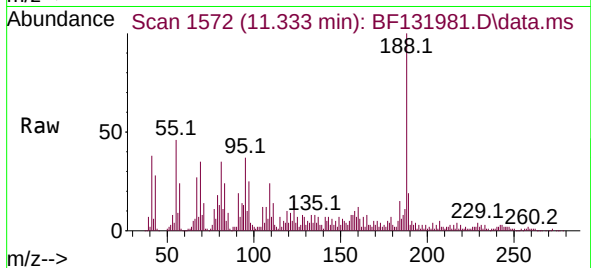
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.333 min Scan# 1572  
Delta R.T. -0.000 min  
Lab File: BF131981.D  
Acq: 10 Jan 2023 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-COMP

Tgt Ion:188 Resp: 143294  
Ion Ratio Lower Upper  
188 100  
94 12.7 5.8 8.6#  
80 13.3 7.4 11.0#

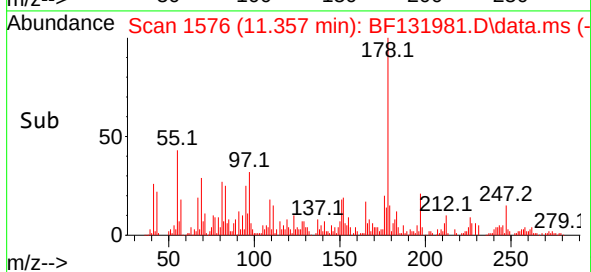
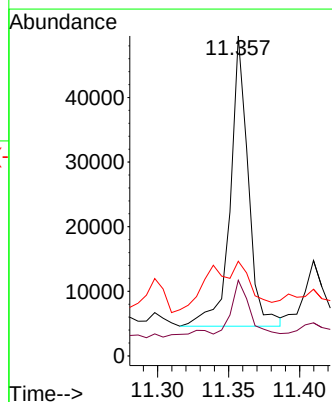
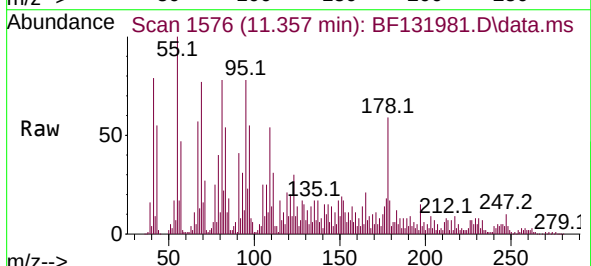
Manual Integrations  
APPROVED

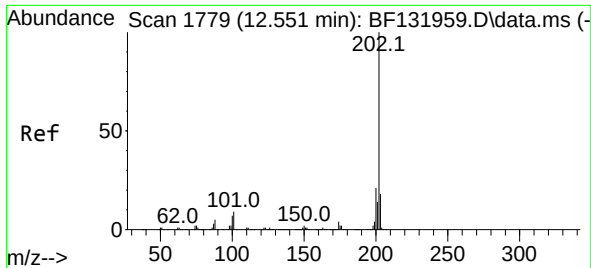
Reviewed By :Christian Giraldo 01/10/2023  
Supervised By :Jagrut Upadhyay 01/10/2023



#71  
Phenanthrene  
Concen: 5.303 ng  
RT: 11.357 min Scan# 1576  
Delta R.T. -0.000 min  
Lab File: BF131981.D  
Acq: 10 Jan 2023 00:44

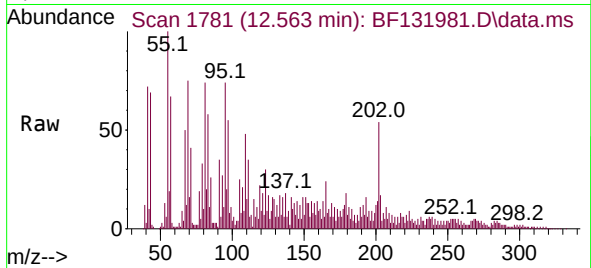
Tgt Ion:178 Resp: 39616  
Ion Ratio Lower Upper  
178 100  
176 23.6 15.5 23.3#  
179 29.6 12.4 18.6#





#75  
Fluoranthene  
Concen: 5.827 ng  
RT: 12.563 min Scan# 1781  
Delta R.T. 0.012 min  
Lab File: BF131981.D  
Acq: 10 Jan 2023 00:44

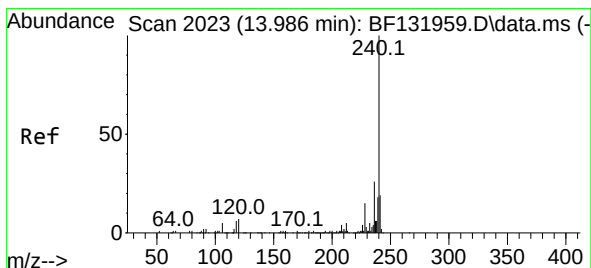
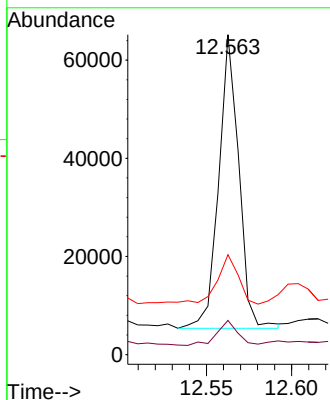
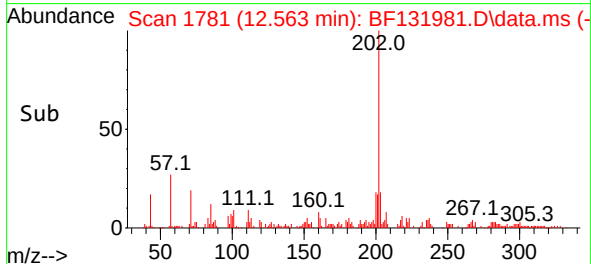
Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-COMP



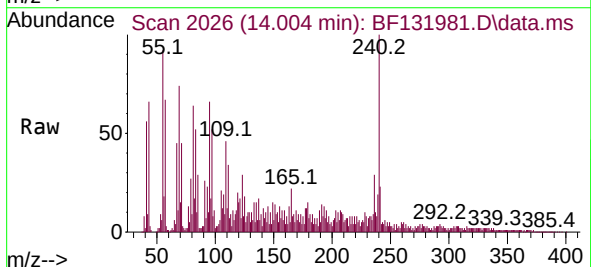
Tgt Ion:202 Resp: 48956  
Ion Ratio Lower Upper  
202 100  
101 10.7 0.0 28.8  
203 31.2 0.0 37.6

Manual Integrations  
APPROVED

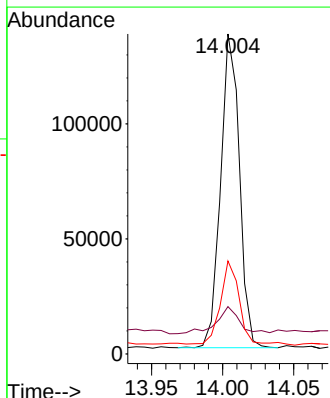
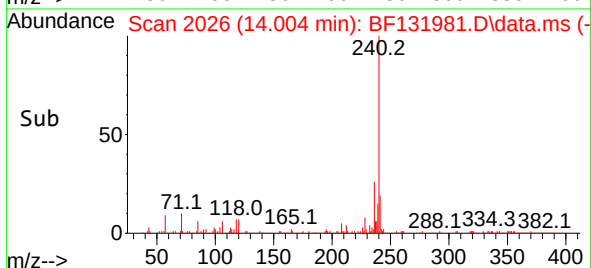
Reviewed By :Christian Giraldo 01/10/2023  
Supervised By :Jagrut Upadhyay 01/10/2023



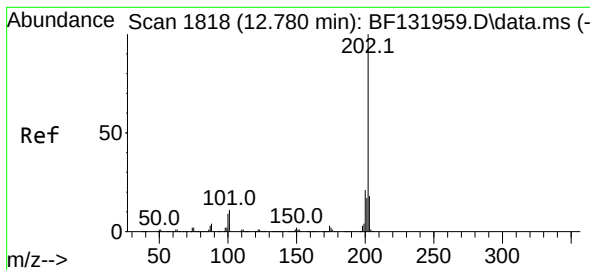
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.004 min Scan# 2026  
Delta R.T. 0.017 min  
Lab File: BF131981.D  
Acq: 10 Jan 2023 00:44



Tgt Ion:240 Resp: 125903  
Ion Ratio Lower Upper  
240 100  
120 14.8 5.4 8.0#  
236 29.0 21.1 31.7







#78

Pyrene

Concen: 5.243 ng

RT: 12.792 min Scan# 1818

Delta R.T. 0.012 min

Lab File: BF131981.D

Acq: 10 Jan 2023 00:44

Instrument :

BNA\_F

ClientSampleId :

WASTE-COMP

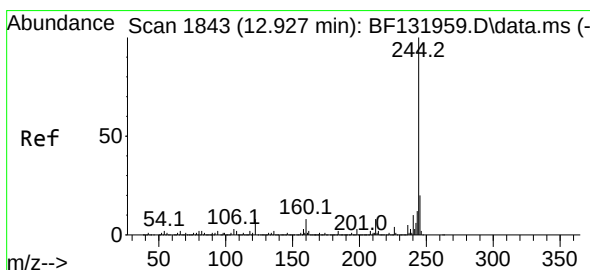
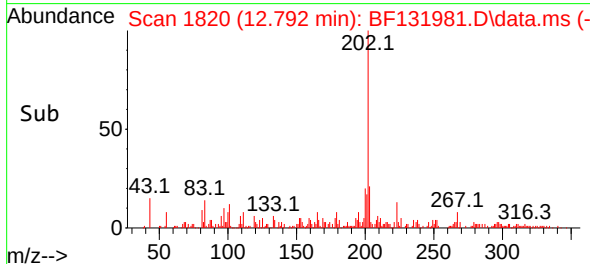
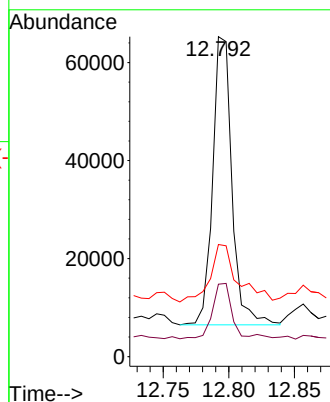
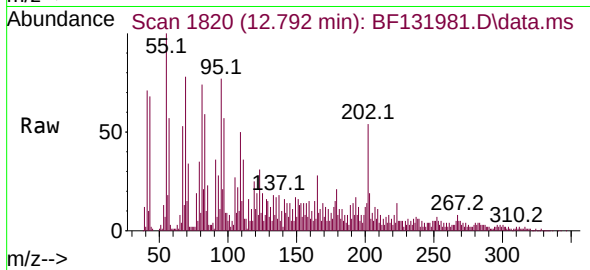
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 60209 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 22.6  | 17.0  | 25.6  |
| 203       | 35.0  | 14.1  | 21.1  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/10/2023

Supervised By :Jagrut Upadhyay 01/10/2023



#79

Terphenyl-d14

Concen: 54.254 ng

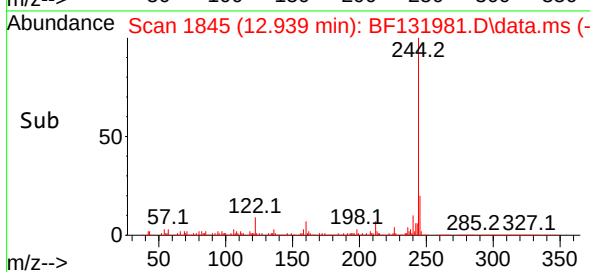
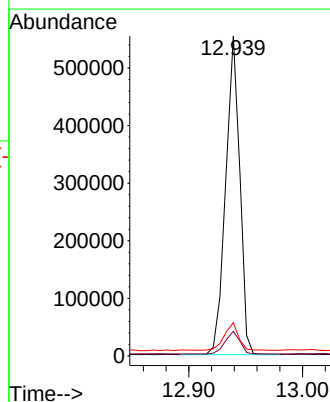
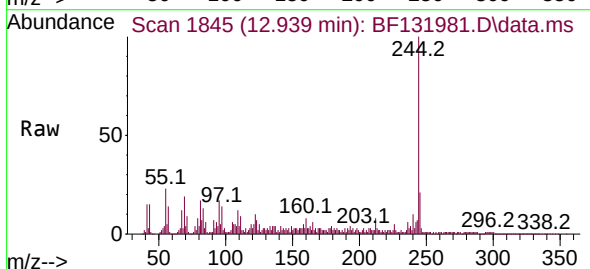
RT: 12.939 min Scan# 1845

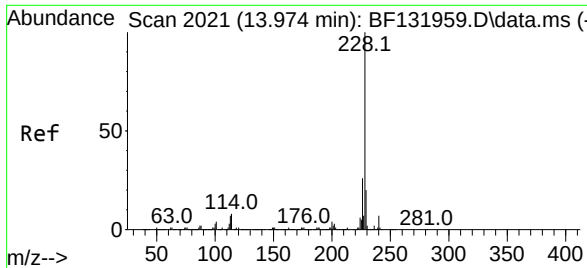
Delta R.T. 0.012 min

Lab File: BF131981.D

Acq: 10 Jan 2023 00:44

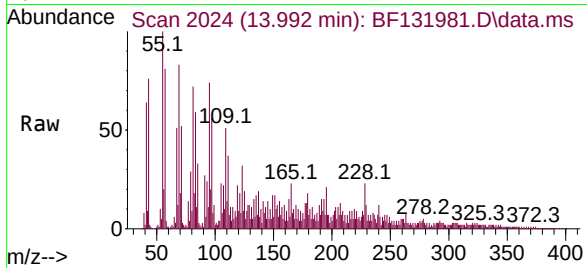
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 244   | Resp: | 476587 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 7.7   | 6.3   | 9.5    |
| 122       | 10.4  | 6.8   | 10.2   |





#81  
Benzo(a)anthracene  
Concen: 3.094 ng  
RT: 13.992 min Scan# 2024  
Delta R.T. 0.017 min  
Lab File: BF131981.D  
Acq: 10 Jan 2023 00:44

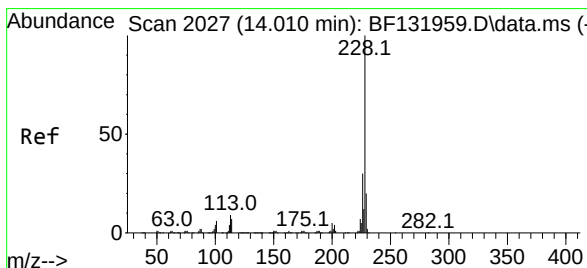
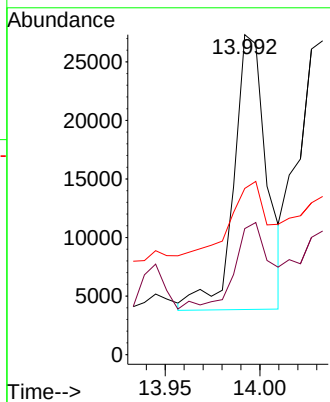
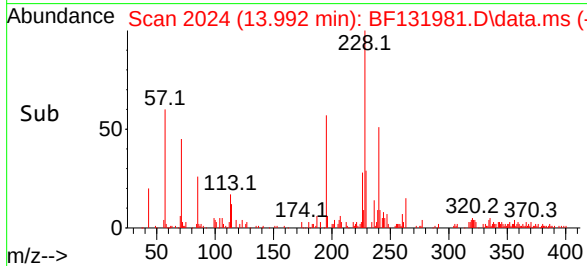
Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-COMP



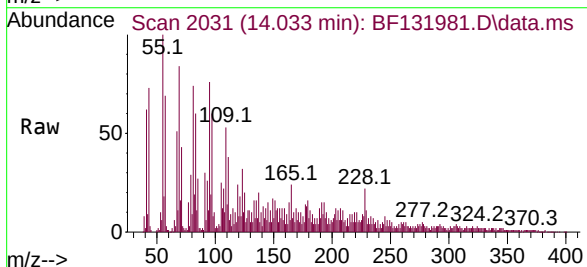
Tgt Ion:228 Resp: 28336  
Ion Ratio Lower Upper  
228 100  
226 39.4 21.0 31.4#  
229 51.9 15.8 23.6#

Manual Integrations  
APPROVED

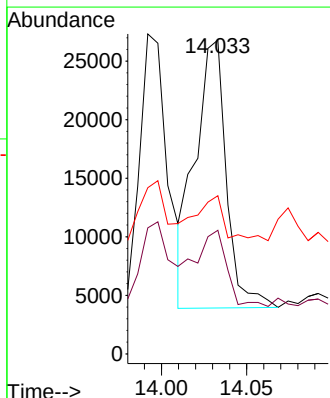
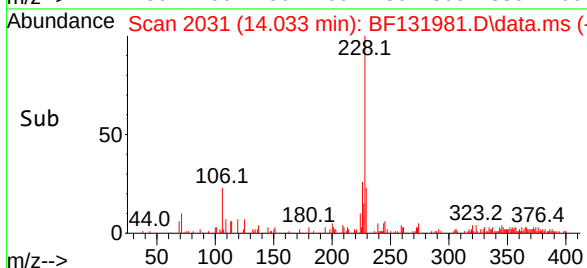
Reviewed By :Christian Giraldo 01/10/2023  
Supervised By :Jagrut Upadhyay 01/10/2023

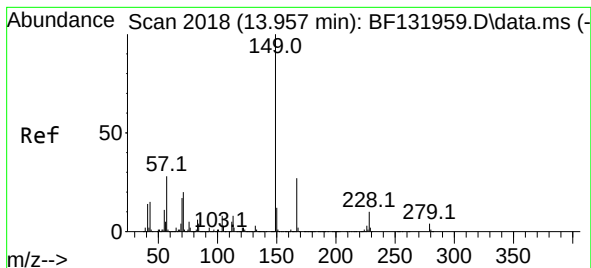


#83  
Chrysene  
Concen: 3.426 ng  
RT: 14.033 min Scan# 2031  
Delta R.T. 0.023 min  
Lab File: BF131981.D  
Acq: 10 Jan 2023 00:44



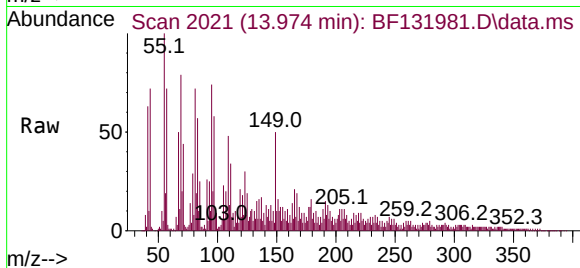
Tgt Ion:228 Resp: 29328  
Ion Ratio Lower Upper  
228 100  
226 39.4 24.0 36.0#  
229 50.4 16.2 24.4#





#84  
Bis(2-ethylhexyl)phthalate  
Concen: 6.155 ng  
RT: 13.974 min Scan# 2018  
Delta R.T. 0.017 min  
Lab File: BF131981.D  
Acq: 10 Jan 2023 00:44

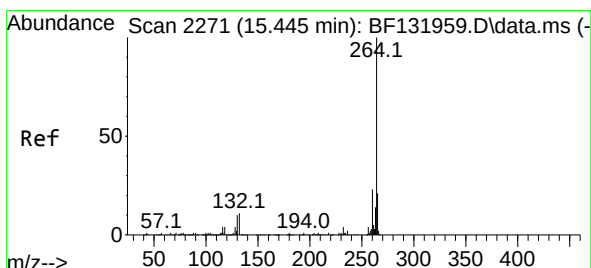
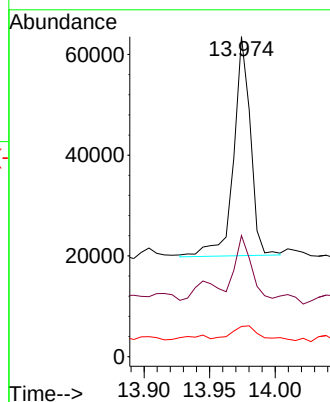
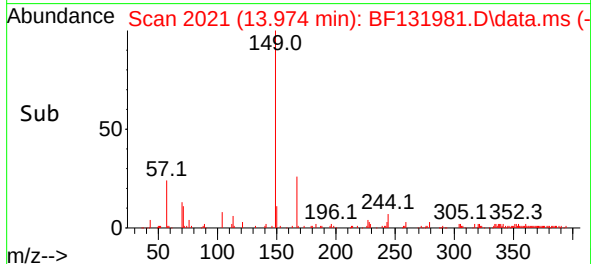
Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-COMP



Tgt Ion:149 Resp: 38649  
Ion Ratio Lower Upper  
149 100  
167 37.8 21.3 31.9  
279 9.4 3.2 4.8

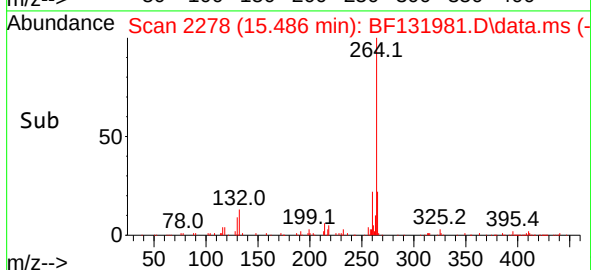
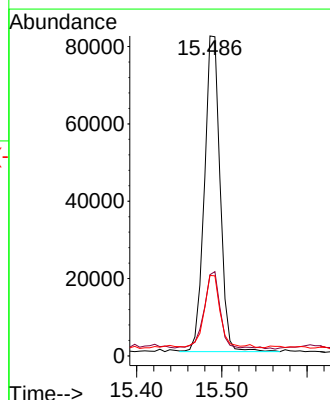
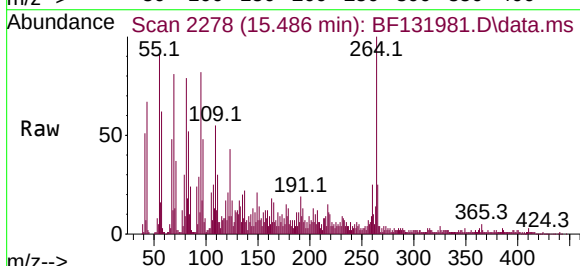
Manual Integrations  
APPROVED

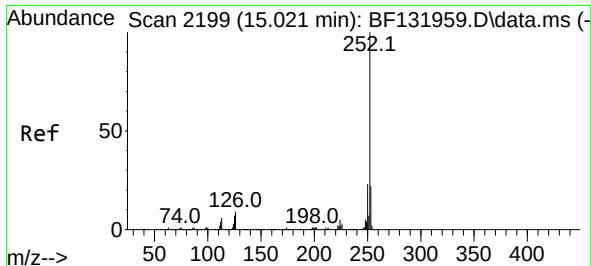
Reviewed By :Christian Giraldo 01/10/2023  
Supervised By :Jagrut Upadhyay 01/10/2023



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.486 min Scan# 2278  
Delta R.T. 0.041 min  
Lab File: BF131981.D  
Acq: 10 Jan 2023 00:44

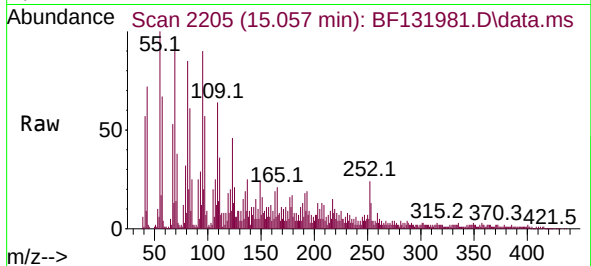
Tgt Ion:264 Resp: 104098  
Ion Ratio Lower Upper  
264 100  
260 25.4 18.3 27.5  
265 25.1 16.9 25.3





#88  
Benzo(b)fluoranthene  
Concen: 4.487 ng m  
RT: 15.057 min Scan# 2199  
Delta R.T. 0.035 min  
Lab File: BF131981.D  
Acq: 10 Jan 2023 00:44

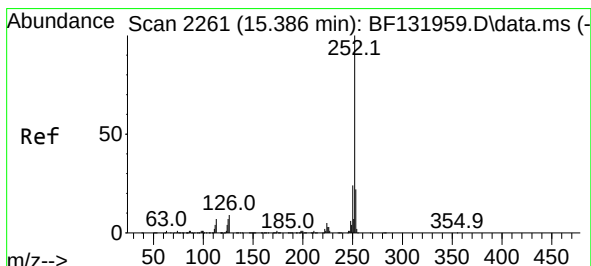
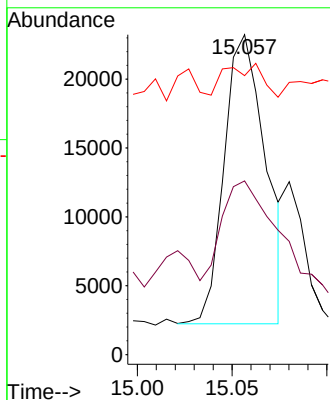
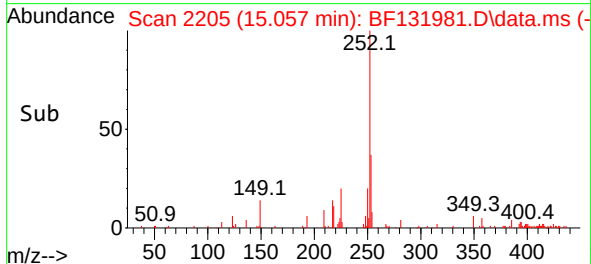
Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-COMP



Tgt Ion:252 Resp: 32034  
Ion Ratio Lower Upper  
252 100  
253 54.3 18.0 27.0#  
125 87.2 5.8 8.6#

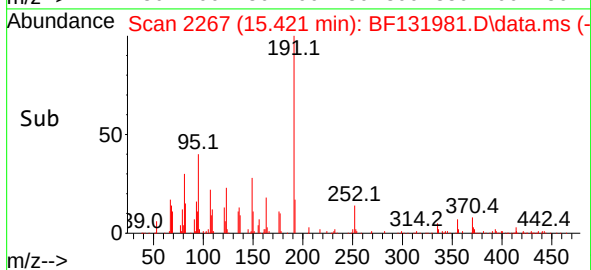
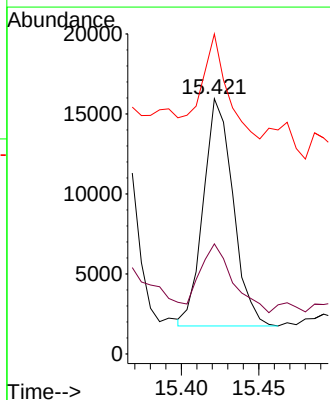
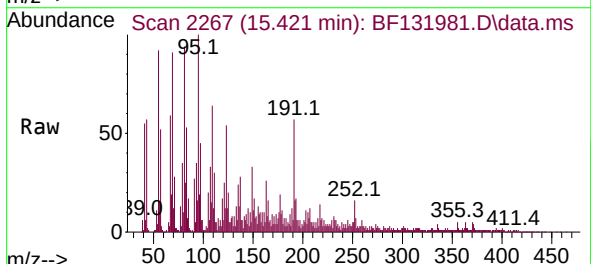
Manual Integrations  
APPROVED

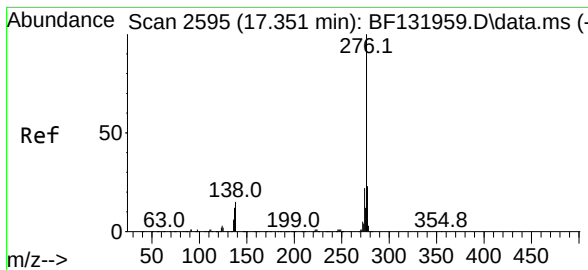
Reviewed By :Christian Giraldo 01/10/2023  
Supervised By :Jagrut Upadhyay 01/10/2023



#90  
Benzo(a)pyrene  
Concen: 2.949 ng  
RT: 15.421 min Scan# 2267  
Delta R.T. 0.035 min  
Lab File: BF131981.D  
Acq: 10 Jan 2023 00:44

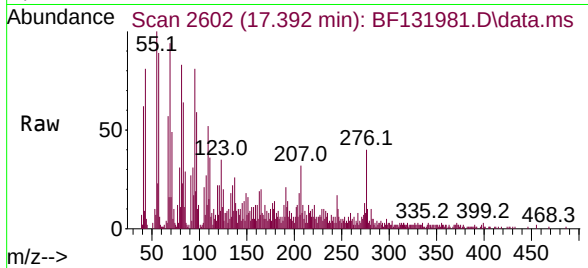
Tgt Ion:252 Resp: 18973  
Ion Ratio Lower Upper  
252 100  
253 43.1 17.4 26.0#  
125 125.5 5.7 8.5#





#92  
Benzo(g,h,i)perylene  
Concen: 5.371 ng  
RT: 17.392 min Scan# 2602  
Delta R.T. 0.041 min  
Lab File: BF131981.D  
Acq: 10 Jan 2023 00:44

Instrument :  
BNA\_F  
ClientSampleId :  
WASTE-COMP



Tgt Ion:276 Resp: 11419  
Ion Ratio Lower Upper  
276 100  
277 25.6 18.2 27.2  
138 32.3 11.7 17.5

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 01/10/2023  
Supervised By :Jagrut Upadhyay 01/10/2023

