

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110322\  
 Data File : BF130960.D  
 Acq On : 03 Nov 2022 13:27  
 Operator : CG\JU  
 Sample : N5395-05  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-4-103122

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 11/04/2022  
 Supervised By : Sohil Jodhani 11/04/2022

Quant Time: Nov 03 14:44:00 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 03 03:37:09 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.922  | 152  | 64026    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.210  | 136  | 230309   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 9.969  | 164  | 109853   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.457 | 188  | 164498   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12            | 14.110 | 240  | 133502   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12            | 15.621 | 264  | 147040   | 20.000  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.545  | 112  | 433900   | 117.486 | ng    | 0.00     |
| 7) Phenol-d6                | 6.545  | 99   | 527739   | 109.961 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.487  | 82   | 353836   | 92.640  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.757 | 330  | 109971   | 118.921 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.286  | 172  | 482915   | 66.463  | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.051 | 244  | 355767   | 48.833  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 20) 3+4-Methylphenols       | 7.316  | 107  | 16401    | 3.587   | ng    | 83       |
| 71) Phenanthrene            | 11.480 | 178  | 33987    | 4.003   | ng    | 98       |
| 75) Fluoranthene            | 12.674 | 202  | 68632    | 7.608   | ng    | 99       |
| 78) Pyrene                  | 12.910 | 202  | 61034    | 5.419   | ng    | 98       |
| 81) Benzo(a)anthracene      | 14.098 | 228  | 36059    | 4.074   | ng    | 97       |
| 83) Chrysene                | 14.133 | 228  | 31174    | 3.651   | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene  | 17.151 | 276  | 23778    | 2.435   | ng    | # 93     |
| 88) Benzo(b)fluoranthene    | 15.168 | 252  | 46978m   | 4.942   | ng    |          |
| 90) Benzo(a)pyrene          | 15.551 | 252  | 31932    | 4.179   | ng    | # 93     |
| 92) Benzo(g,h,i)perylene    | 17.615 | 276  | 21907    | 2.698   | ng    | 99       |
| -----                       |        |      |          |         |       |          |

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

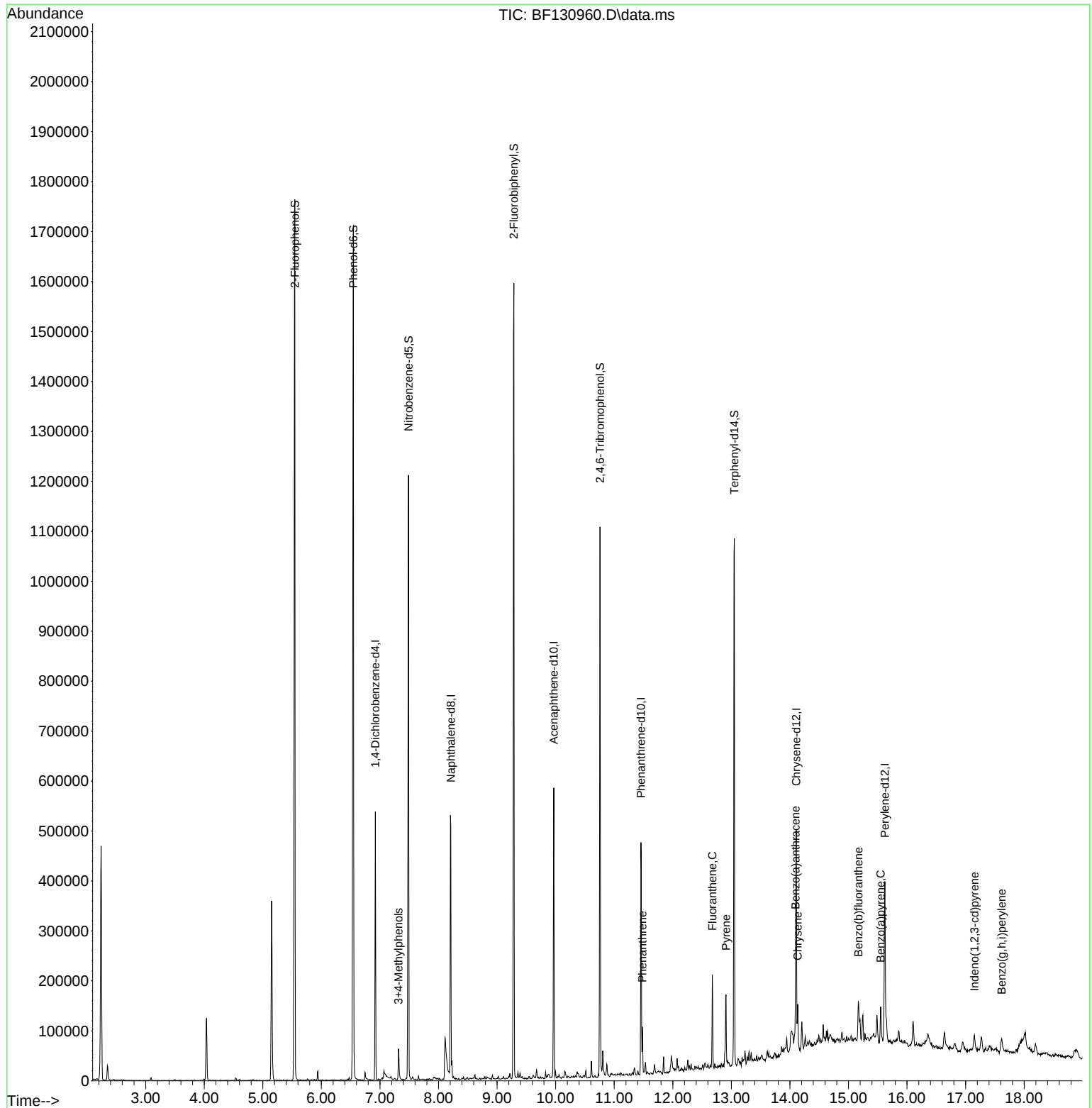
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110322\  
Data File : BF130960.D  
Acq On : 03 Nov 2022 13:27  
Operator : CG\JU  
Sample : N5395-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
S-4-103122

Quant Time: Nov 03 14:44:00 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102722.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 03 03:37:09 2022  
Response via : Initial Calibration

Manual Integrations  
APPROVED

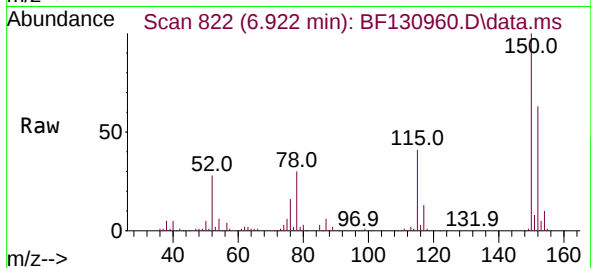
Reviewed By :Christian Giraldo 11/04/2022  
Supervised By :Sohil Jodhani 11/04/2022





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.922 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF130960.D  
Acq: 03 Nov 2022 13:27

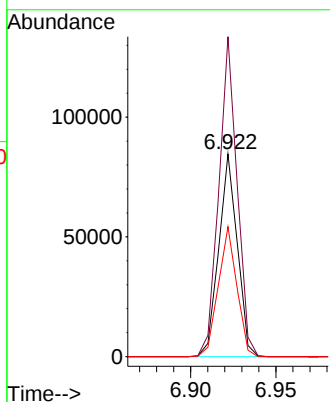
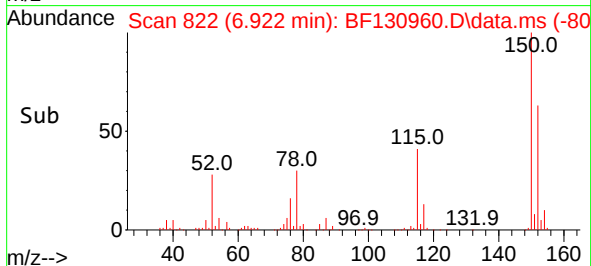
Instrument :  
BNA\_F  
ClientSampleId :  
S-4-103122



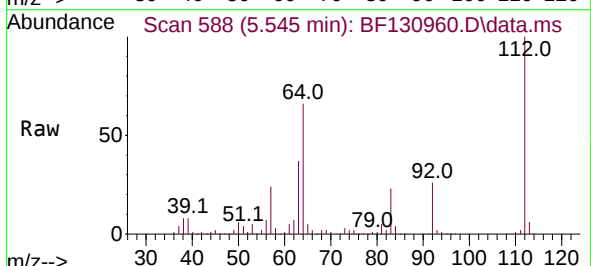
Tgt Ion:152 Resp: 64026  
Ion Ratio Lower Upper  
152 100  
150 157.9 124.1 186.1  
115 64.1 50.1 75.1

Manual Integrations  
APPROVED

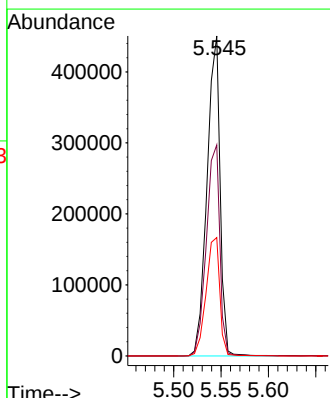
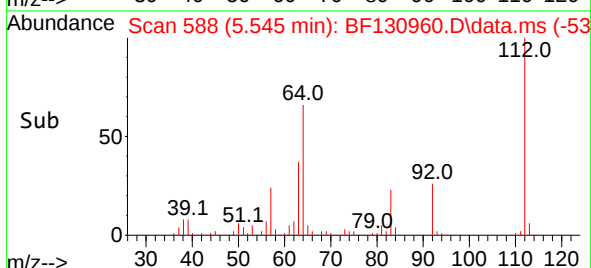
Reviewed By :Christian Giraldo 11/04/2022  
Supervised By :Sohil Jodhani 11/04/2022



#5  
2-Fluorophenol  
Concen: 117.486 ng  
RT: 5.545 min Scan# 588  
Delta R.T. 0.006 min  
Lab File: BF130960.D  
Acq: 03 Nov 2022 13:27



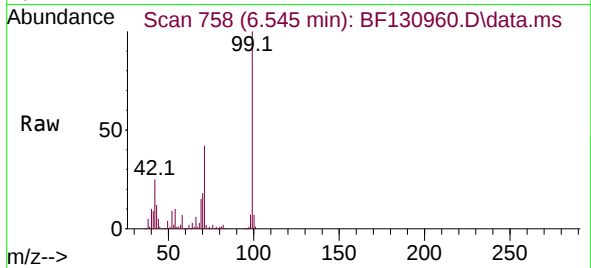
Tgt Ion:112 Resp: 433900  
Ion Ratio Lower Upper  
112 100  
64 65.9 53.9 80.9  
63 37.0 29.4 44.2





#7  
Phenol-d6  
Concen: 109.961 ng  
RT: 6.545 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF130960.D  
Acq: 03 Nov 2022 13:27

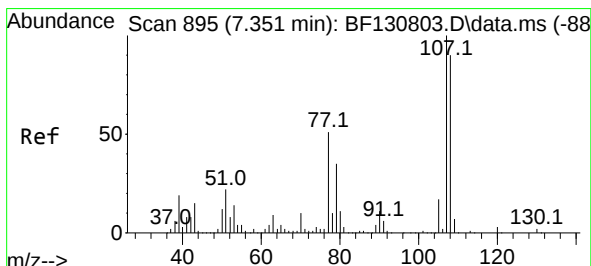
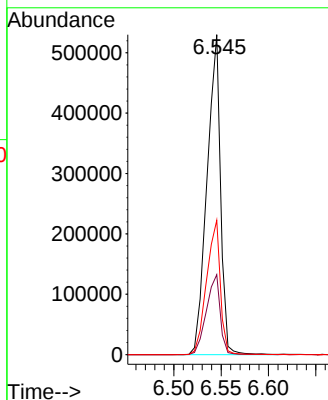
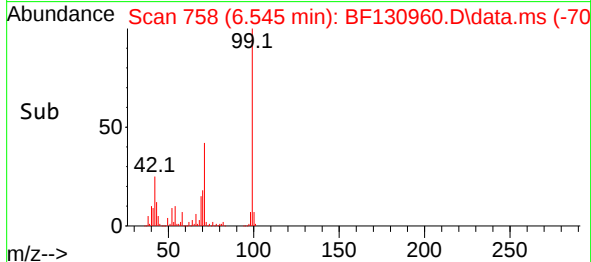
Instrument :  
BNA\_F  
ClientSampleId :  
S-4-103122



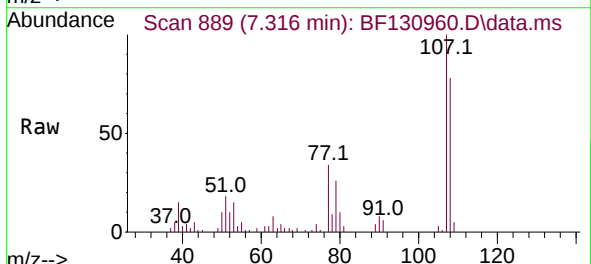
Tgt Ion: 99 Resp: 527739  
Ion Ratio Lower Upper  
99 100  
42 25.0 18.8 28.2  
71 42.0 31.4 47.0

Manual Integrations  
APPROVED

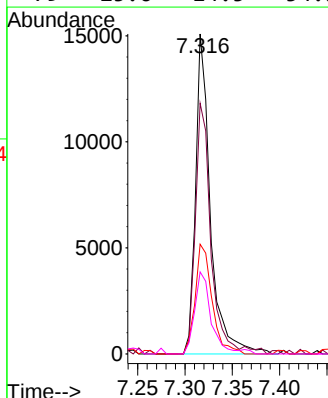
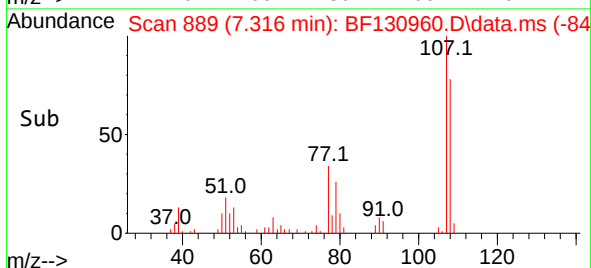
Reviewed By :Christian Giraldo 11/04/2022  
Supervised By :Sohil Jodhani 11/04/2022

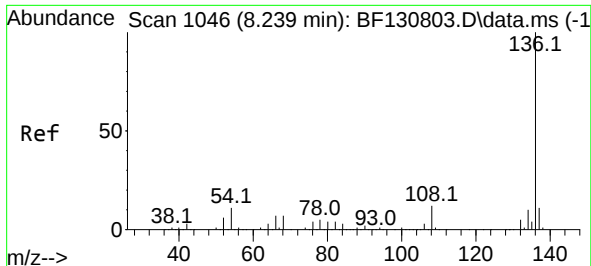


#20  
3+4-Methylphenols  
Concen: 3.587 ng  
RT: 7.316 min Scan# 889  
Delta R.T. -0.012 min  
Lab File: BF130960.D  
Acq: 03 Nov 2022 13:27



Tgt Ion:107 Resp: 16401  
Ion Ratio Lower Upper  
107 100  
108 78.3 70.4 110.4  
77 34.3 31.1 71.1  
79 25.6 14.5 54.5





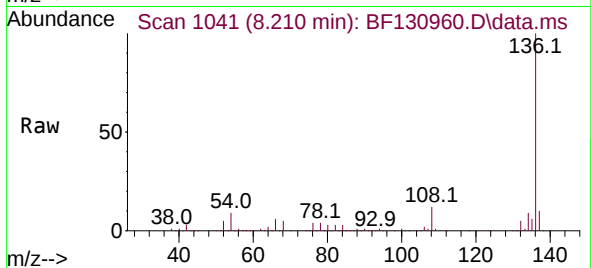
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.210 min Scan# 1041  
Delta R.T. -0.006 min  
Lab File: BF130960.D  
Acq: 03 Nov 2022 13:27

Instrument :

BNA\_F

ClientSampleId :

S-4-103122

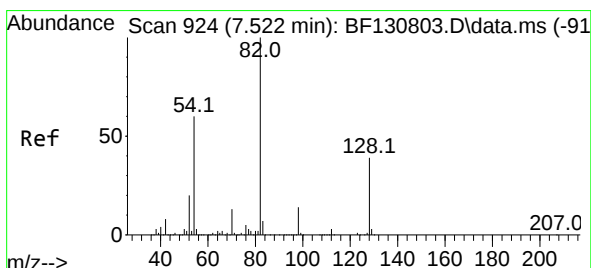
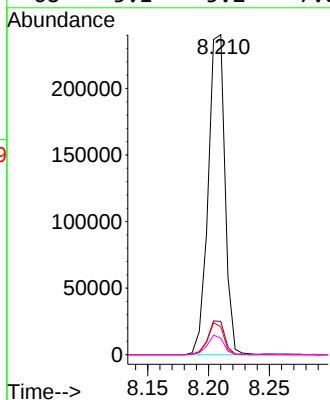
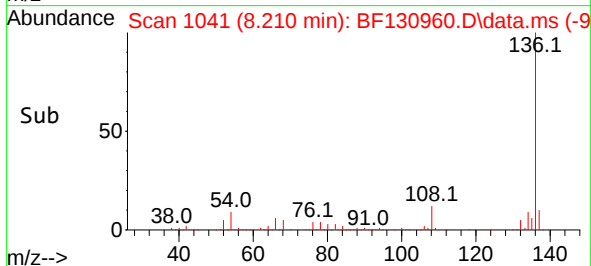


Tgt Ion:136 Resp: 230309  
Ion Ratio Lower Upper  
136 100  
137 10.4 9.2 13.8  
54 8.7 8.8 13.2  
68 5.1 5.2 7.8#

Manual Integrations

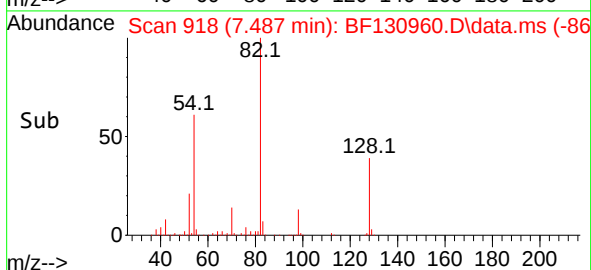
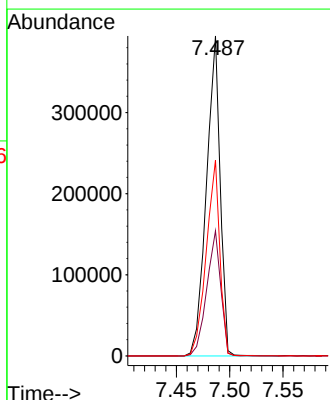
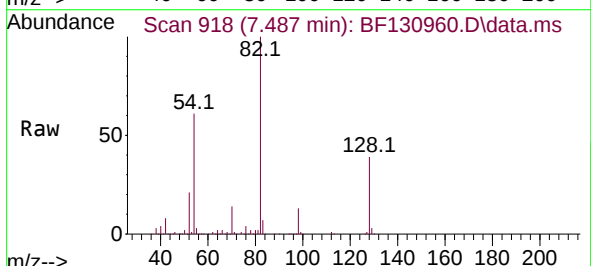
APPROVED

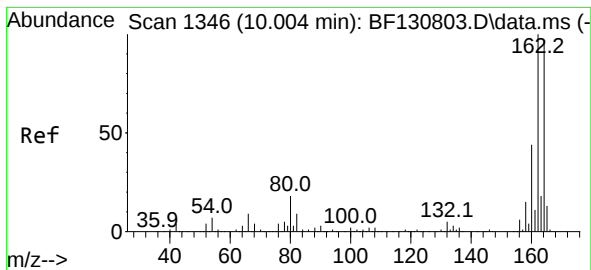
Reviewed By :Christian Giraldo 11/04/2022  
Supervised By :Sohil Jodhani 11/04/2022



#23  
Nitrobenzene-d5  
Concen: 92.640 ng  
RT: 7.487 min Scan# 918  
Delta R.T. -0.006 min  
Lab File: BF130960.D  
Acq: 03 Nov 2022 13:27

Tgt Ion: 82 Resp: 353836  
Ion Ratio Lower Upper  
82 100  
128 39.1 31.2 46.8  
54 61.2 48.0 72.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1346

Delta R.T. -0.006 min

Lab File: BF130960.D

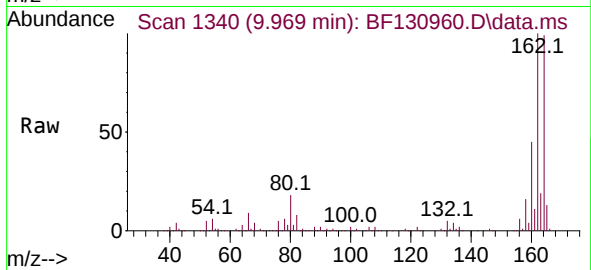
Acq: 03 Nov 2022 13:27

Instrument :

BNA\_F

ClientSampleId :

S-4-103122



Tgt Ion:164 Resp: 109853

Ion Ratio Lower Upper

164 100

162 101.4 82.2 123.2

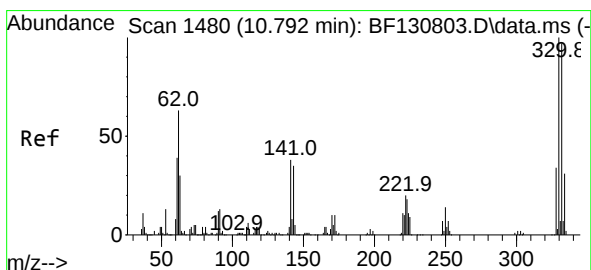
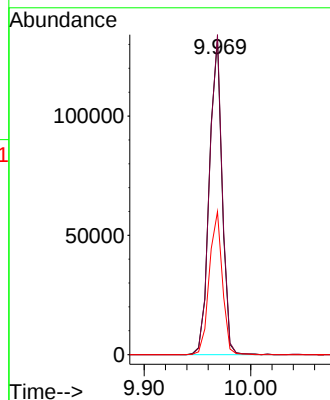
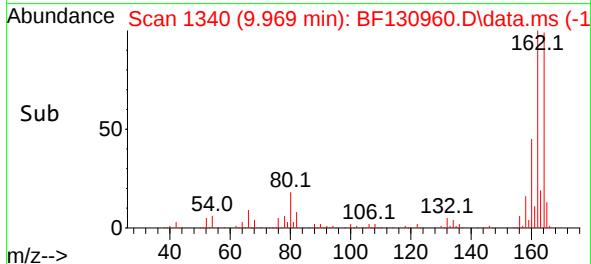
160 45.3 36.6 54.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/04/2022

Supervised By :Sohil Jodhani 11/04/2022



#42

2,4,6-Tribromophenol

Concen: 118.921 ng

RT: 10.757 min Scan# 1474

Delta R.T. -0.012 min

Lab File: BF130960.D

Acq: 03 Nov 2022 13:27

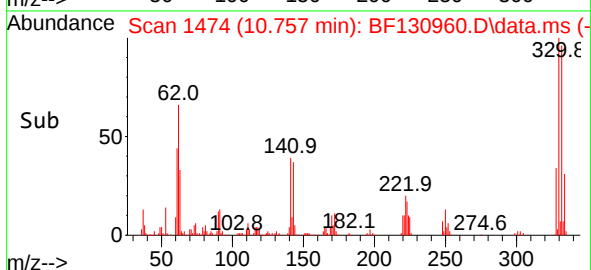
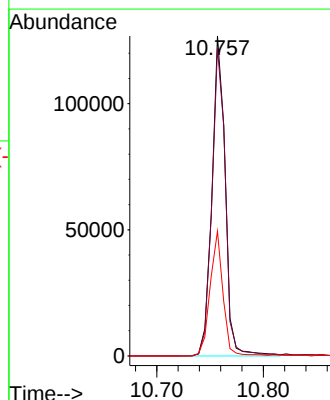
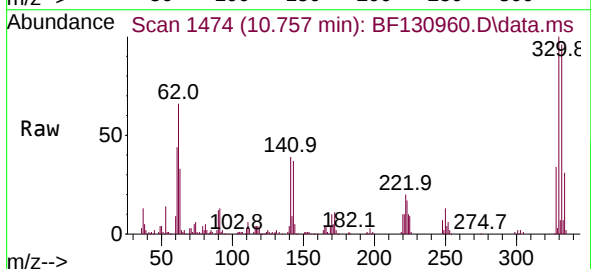
Tgt Ion:330 Resp: 109971

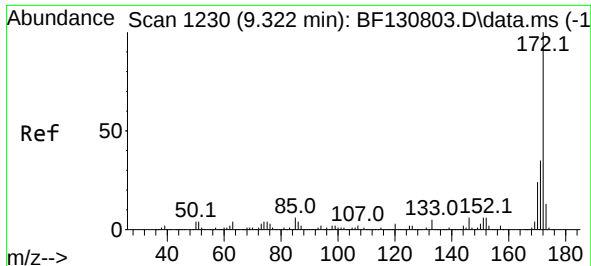
Ion Ratio Lower Upper

330 100

332 97.8 76.2 114.4

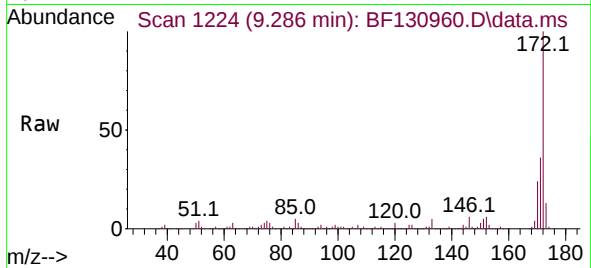
141 38.0 31.4 47.0





#45  
2-Fluorobiphenyl  
Concen: 66.463 ng  
RT: 9.286 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF130960.D  
Acq: 03 Nov 2022 13:27

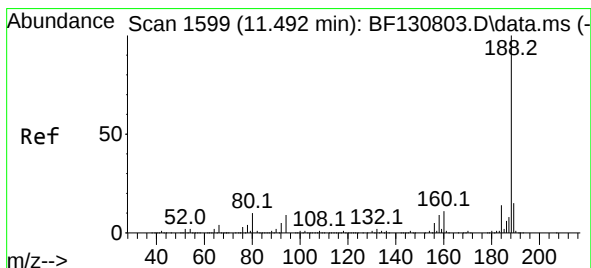
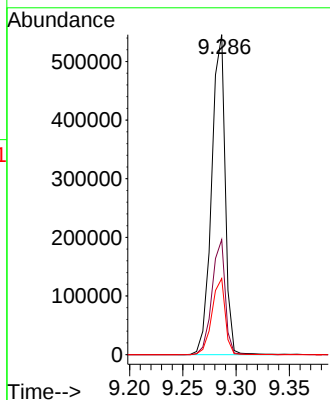
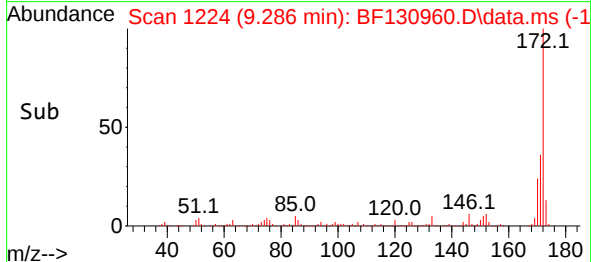
Instrument :  
BNA\_F  
ClientSampleId :  
S-4-103122



Tgt Ion:172 Resp: 482915  
Ion Ratio Lower Upper  
172 100  
171 35.9 28.1 42.1  
170 23.8 19.0 28.4

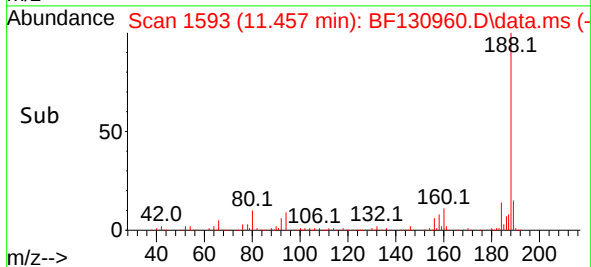
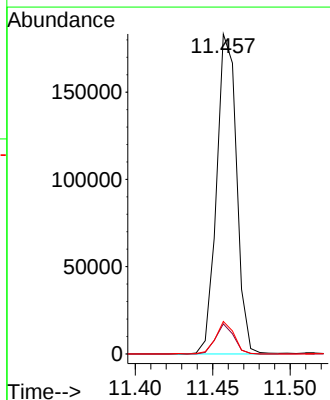
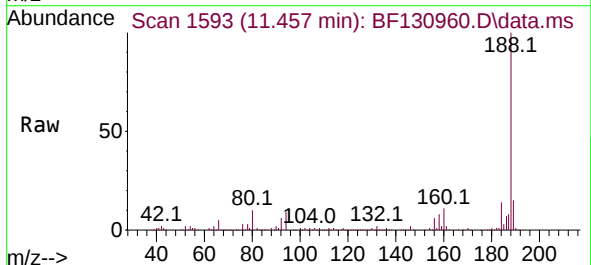
Manual Integrations  
APPROVED

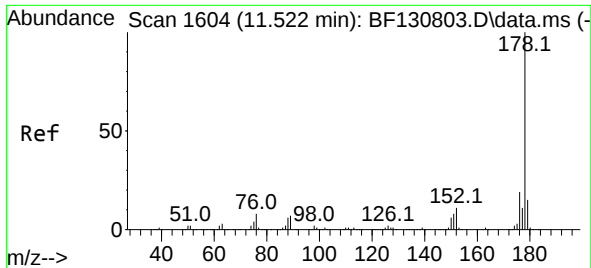
Reviewed By :Christian Giraldo 11/04/2022  
Supervised By :Sohil Jodhani 11/04/2022



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.457 min Scan# 1593  
Delta R.T. -0.012 min  
Lab File: BF130960.D  
Acq: 03 Nov 2022 13:27

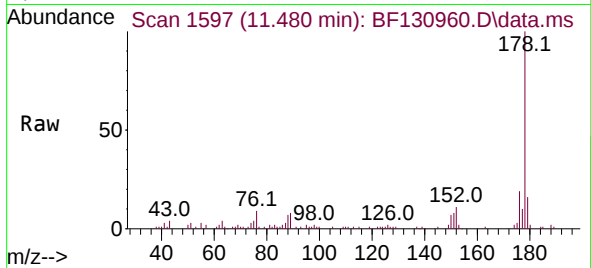
Tgt Ion:188 Resp: 164498  
Ion Ratio Lower Upper  
188 100  
94 9.4 7.4 11.2  
80 10.1 8.0 12.0





#71  
Phenanthrene  
Concen: 4.003 ng  
RT: 11.480 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF130960.D  
Acq: 03 Nov 2022 13:27

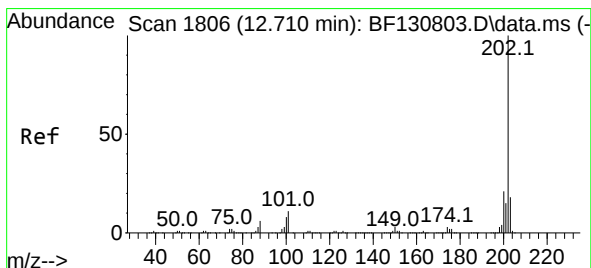
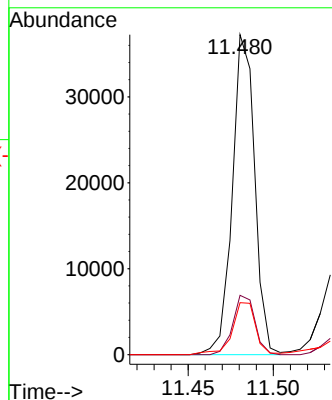
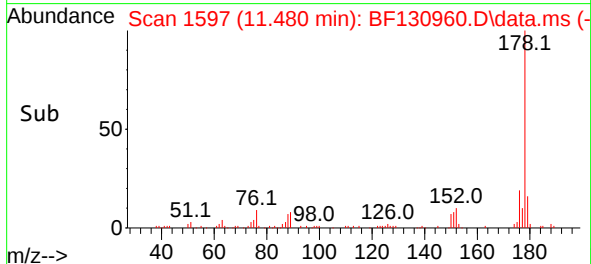
Instrument :  
BNA\_F  
ClientSampleId :  
S-4-103122



Tgt Ion:178 Resp: 3398  
Ion Ratio Lower Upper  
178 100  
176 18.5 15.5 23.3  
179 16.2 12.2 18.2

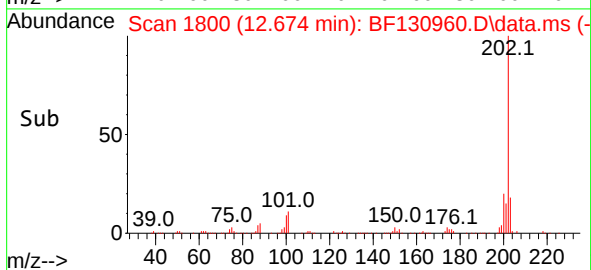
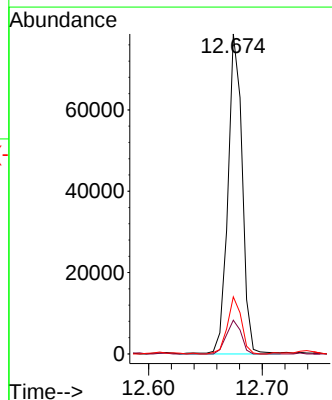
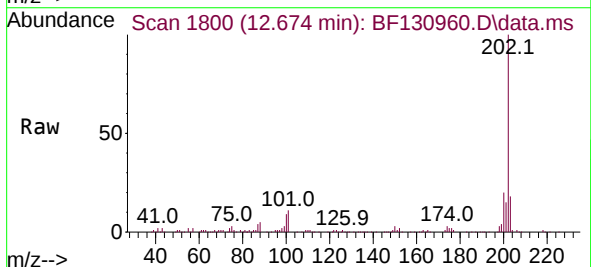
Manual Integrations  
APPROVED

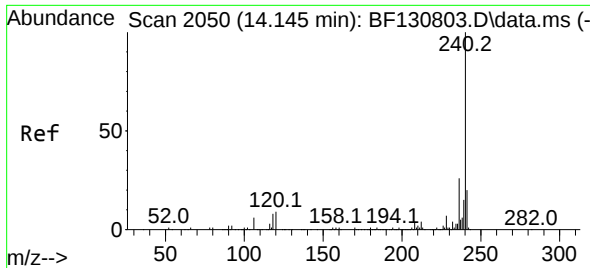
Reviewed By :Christian Giraldo 11/04/2022  
Supervised By :Sohil Jodhani 11/04/2022



#75  
Fluoranthene  
Concen: 7.608 ng  
RT: 12.674 min Scan# 1800  
Delta R.T. -0.012 min  
Lab File: BF130960.D  
Acq: 03 Nov 2022 13:27

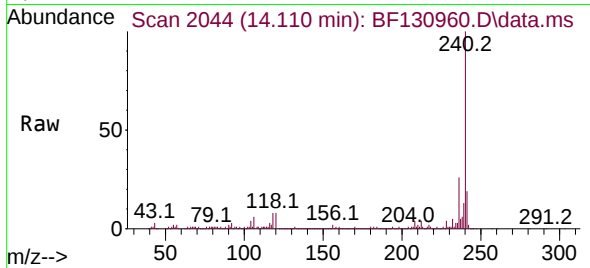
Tgt Ion:202 Resp: 68632  
Ion Ratio Lower Upper  
202 100  
101 10.5 0.0 30.9  
203 17.8 0.0 37.7





#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.110 min Scan# 2044  
Delta R.T. -0.012 min  
Lab File: BF130960.D  
Acq: 03 Nov 2022 13:27

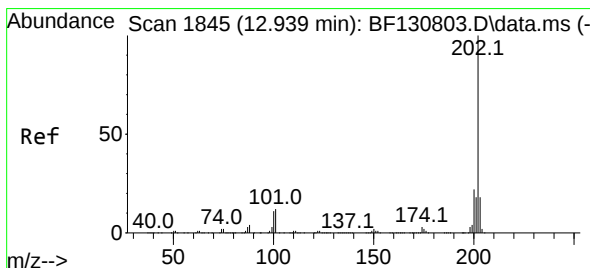
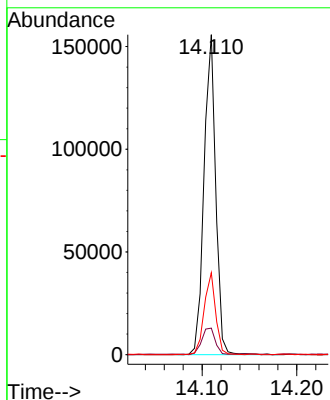
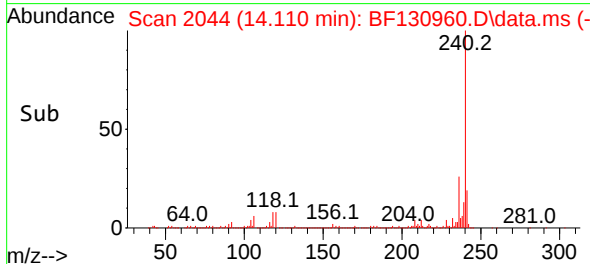
Instrument :  
BNA\_F  
ClientSampleId :  
S-4-103122



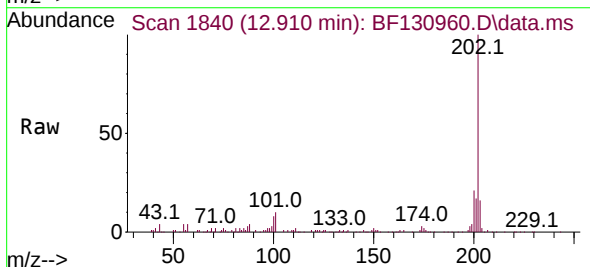
Tgt Ion:240 Resp: 133502  
Ion Ratio Lower Upper  
240 100  
120 8.3 7.0 10.4  
236 25.6 20.5 30.7

Manual Integrations  
APPROVED

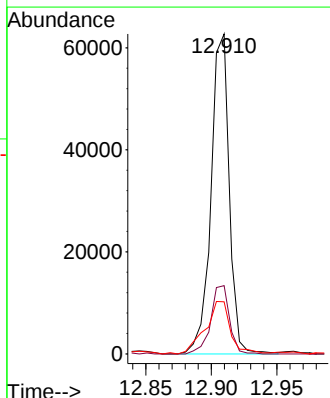
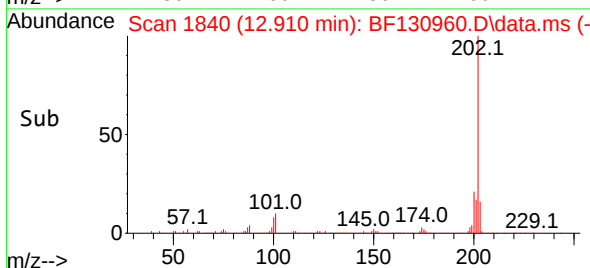
Reviewed By :Christian Giraldo 11/04/2022  
Supervised By :Sohil Jodhani 11/04/2022

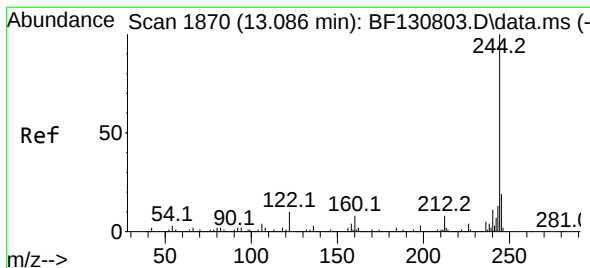


#78  
Pyrene  
Concen: 5.419 ng  
RT: 12.910 min Scan# 1840  
Delta R.T. -0.006 min  
Lab File: BF130960.D  
Acq: 03 Nov 2022 13:27



Tgt Ion:202 Resp: 61034  
Ion Ratio Lower Upper  
202 100  
200 21.3 17.2 25.8  
203 16.3 14.5 21.7





#79

Terphenyl-d14

Concen: 48.833 ng

RT: 13.051 min Scan# 1870

Delta R.T. -0.006 min

Lab File: BF130960.D

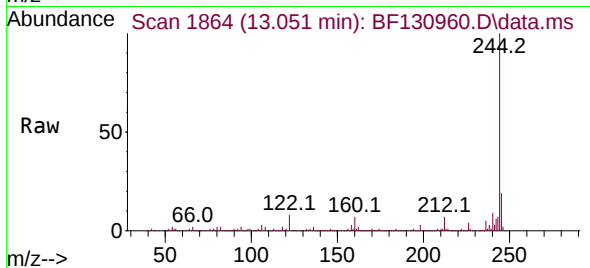
Acq: 03 Nov 2022 13:27

Instrument :

BNA\_F

ClientSampleId :

S-4-103122



Tgt Ion:244 Resp: 355762

Ion Ratio Lower Upper

244 100

212 6.7 6.2 9.2

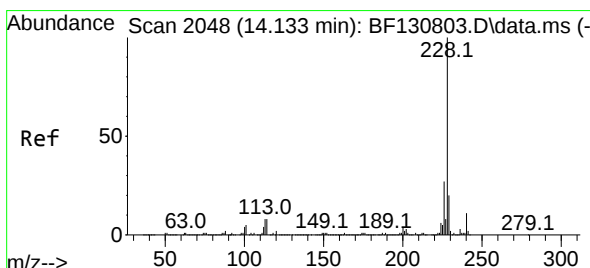
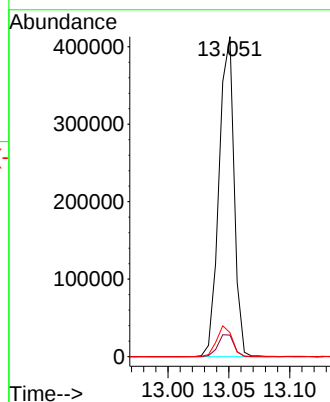
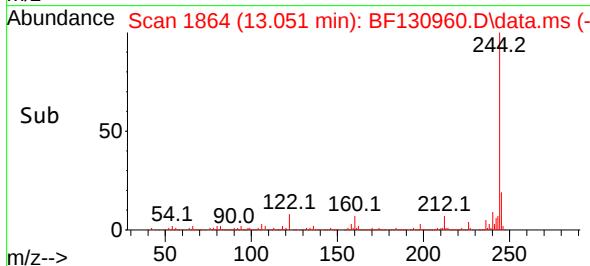
122 7.5 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/04/2022

Supervised By :Sohil Jodhani 11/04/2022



#81

Benzo(a)anthracene

Concen: 4.074 ng

RT: 14.098 min Scan# 2042

Delta R.T. -0.012 min

Lab File: BF130960.D

Acq: 03 Nov 2022 13:27

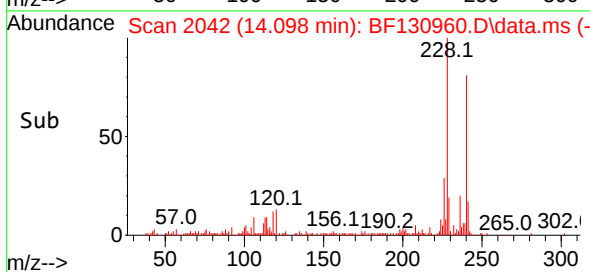
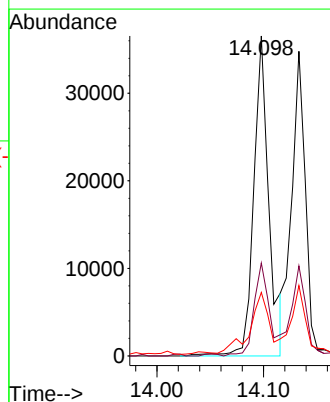
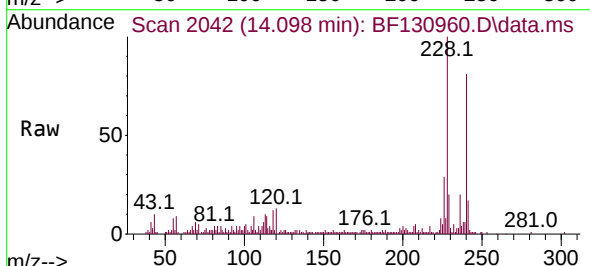
Tgt Ion:228 Resp: 36059

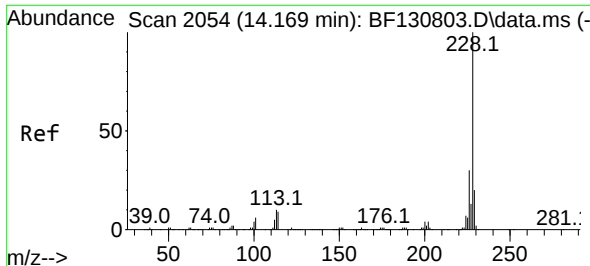
Ion Ratio Lower Upper

228 100

226 29.0 21.4 32.2

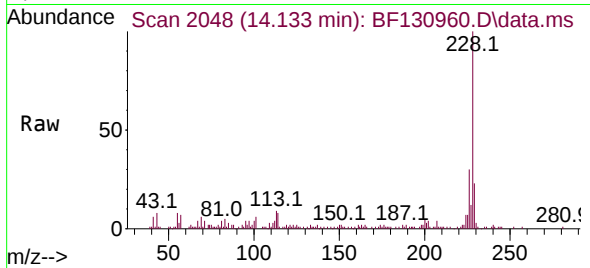
229 19.8 15.8 23.6





#83  
Chrysene  
Concen: 3.651 ng  
RT: 14.133 min Scan# 2054  
Delta R.T. -0.012 min  
Lab File: BF130960.D  
Acq: 03 Nov 2022 13:27

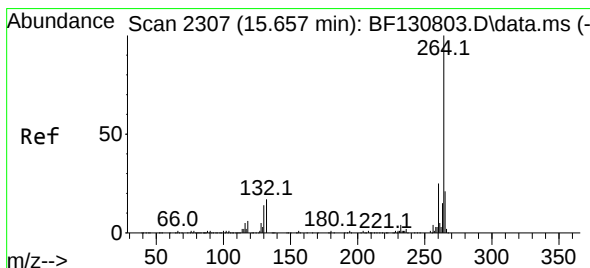
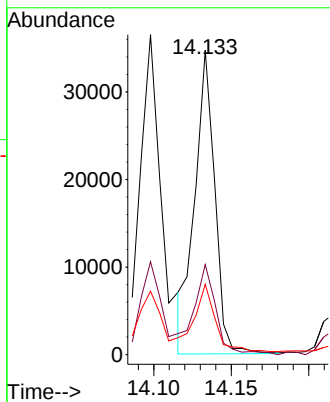
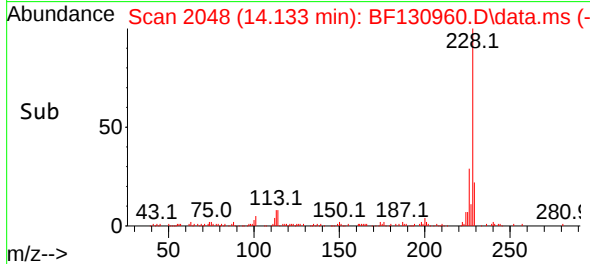
Instrument :  
BNA\_F  
ClientSampleId :  
S-4-103122



Tgt Ion:228 Resp: 31174  
Ion Ratio Lower Upper  
228 100  
226 29.5 23.9 35.9  
229 23.1 15.8 23.6

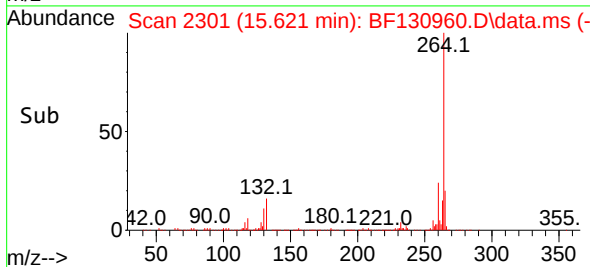
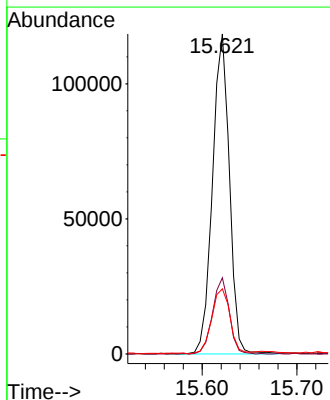
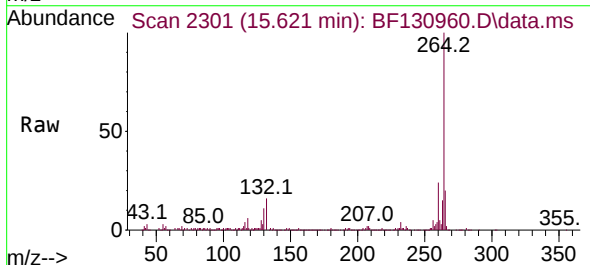
Manual Integrations  
APPROVED

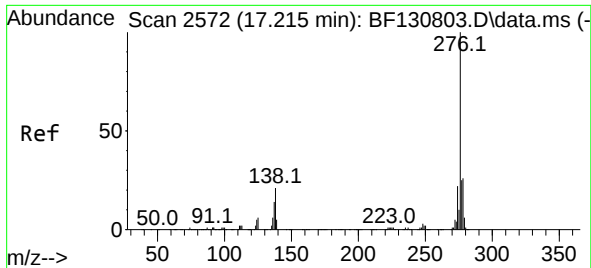
Reviewed By :Christian Giraldo 11/04/2022  
Supervised By :Sohil Jodhani 11/04/2022



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.621 min Scan# 2301  
Delta R.T. -0.006 min  
Lab File: BF130960.D  
Acq: 03 Nov 2022 13:27

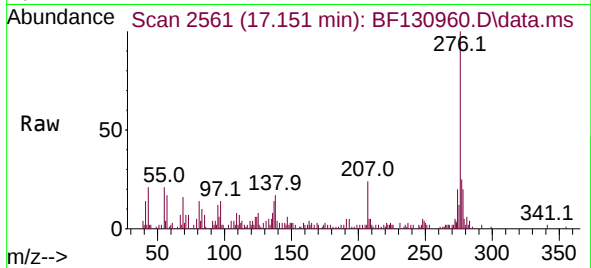
Tgt Ion:264 Resp: 147040  
Ion Ratio Lower Upper  
264 100  
260 23.8 19.9 29.9  
265 20.3 17.0 25.6





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 2.435 ng  
RT: 17.151 min Scan# 2561  
Delta R.T. -0.024 min  
Lab File: BF130960.D  
Acq: 03 Nov 2022 13:27

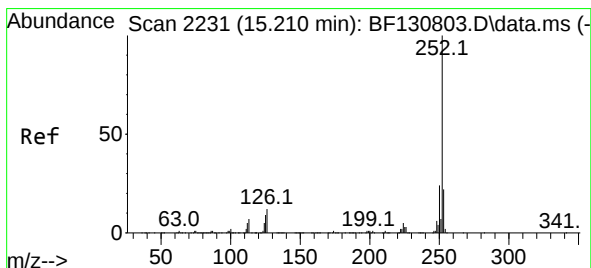
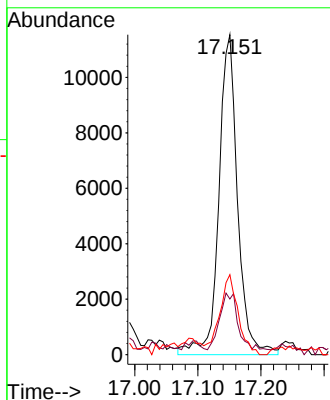
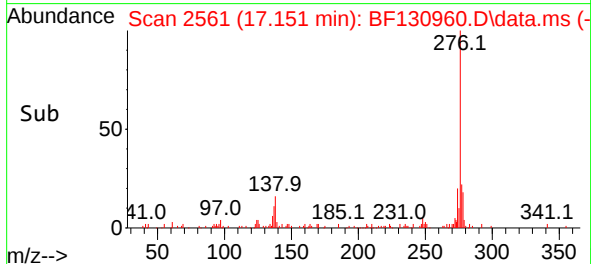
Instrument :  
BNA\_F  
ClientSampleId :  
S-4-103122



Tgt Ion:276 Resp: 23778  
Ion Ratio Lower Upper  
276 100  
138 17.1 19.1 28.7  
277 24.7 20.1 30.1

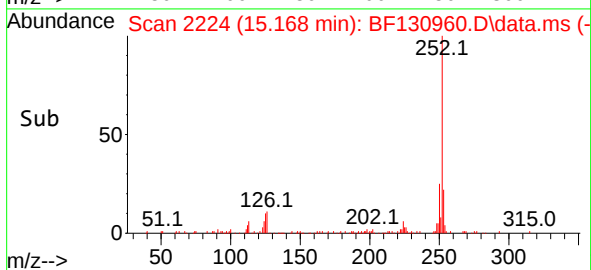
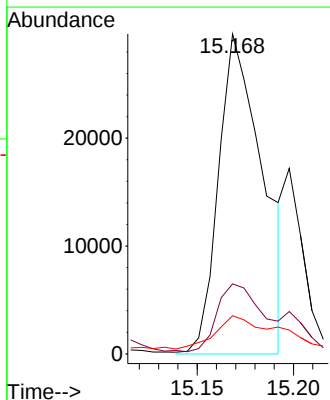
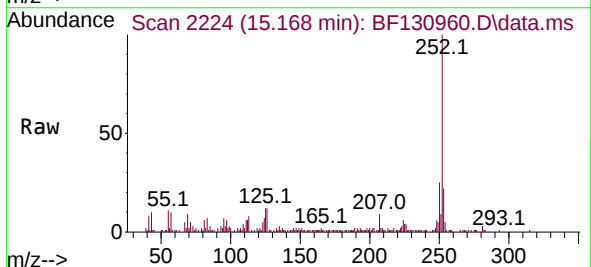
Manual Integrations  
APPROVED

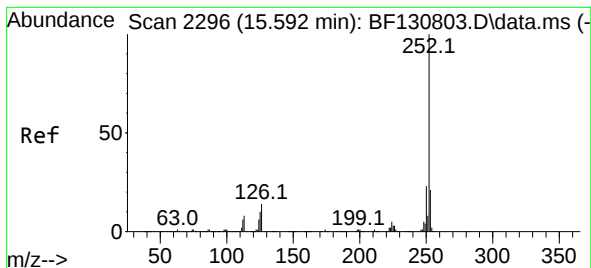
Reviewed By :Christian Giraldo 11/04/2022  
Supervised By :Sohil Jodhani 11/04/2022



#88  
Benzo(b)fluoranthene  
Concen: 4.942 ng m  
RT: 15.168 min Scan# 2224  
Delta R.T. -0.012 min  
Lab File: BF130960.D  
Acq: 03 Nov 2022 13:27

Tgt Ion:252 Resp: 46978  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.5 26.3  
125 11.9 7.0 10.4





#90

Benzo(a)pyrene

Concen: 4.179 ng

RT: 15.551 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF130960.D

Acq: 03 Nov 2022 13:27

Instrument :

BNA\_F

ClientSampleId :

S-4-103122

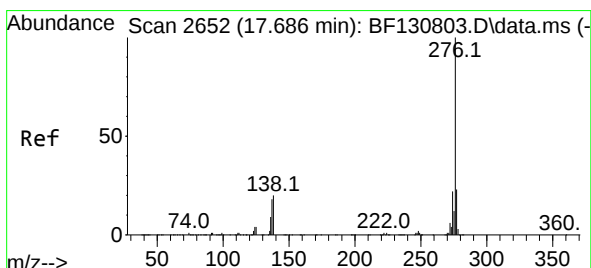
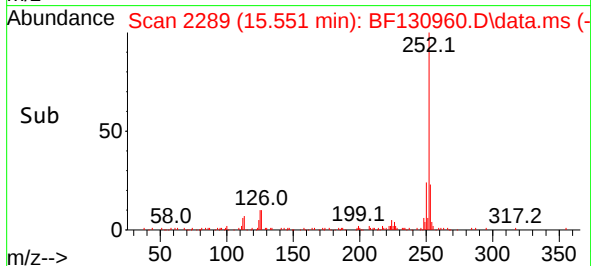
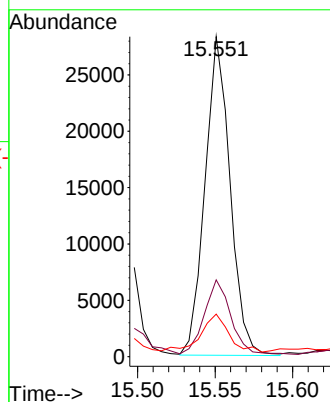
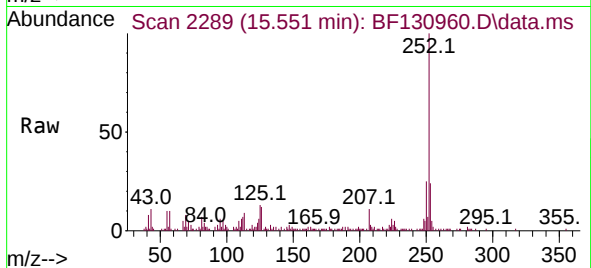
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 31932 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.0  | 16.8  | 25.2  |
| 125       | 13.3  | 8.3   | 12.5  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/04/2022

Supervised By :Sohil Jodhani 11/04/2022



#92

Benzo(g,h,i)perylene

Concen: 2.698 ng

RT: 17.615 min Scan# 2640

Delta R.T. -0.035 min

Lab File: BF130960.D

Acq: 03 Nov 2022 13:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 21907 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 23.8  | 18.8  | 28.2  |
| 138       | 19.6  | 16.3  | 24.5  |

