

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010722\  
 Data File : BF126549.D  
 Acq On : 7 Jan 2022 18:34  
 Operator : JU/CG  
 Sample : N1066-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DB-5-(9-9.5)-1-5-22

Quant Time: Jan 08 04:39:29 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 05 01:57:07 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 01/10/2022  
 Supervised By :Jagrut Upadhyay 01/10/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.781  | 152  | 69434    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.075  | 136  | 185396   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.851  | 164  | 63926    | 20.000  | ng    | 0.02     |
| 64) Phenanthrene-d10          | 11.374 | 188  | 67329    | 20.000  | ng    | # 0.06   |
| 76) Chrysene-d12              | 14.004 | 240  | 80709    | 20.000  | ng    | # 0.05   |
| 86) Perylene-d12              | 15.457 | 264  | 81251    | 20.000  | ng    | 0.07     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.387  | 112  | 506994   | 104.858 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.410  | 99   | 623464   | 99.557  | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 411942   | 114.089 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.645 | 330  | 54579    | 110.487 | ng    | 0.03     |
| 45) 2-Fluorobiphenyl          | 9.157  | 172  | 322306   | 88.723  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.963 | 244  | 205052   | 49.363  | ng    | 0.06     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 58) Fluorene                  | 10.404 | 166  | 38388    | 11.374  | ng    | # 32     |
| 71) Phenanthrene              | 11.398 | 178  | 39241    | 11.400  | ng    | # 1      |
| 72) Anthracene                | 11.504 | 178  | 35700    | 10.365  | ng    | # 1      |
| 74) Di-n-butylphthalate       | 11.939 | 149  | 53482    | 13.928  | ng    | # 30     |
| 75) Fluoranthene              | 12.598 | 202  | 11697    | 3.723   | ng    | # 1      |
| 81) Benzo(a)anthracene        | 13.992 | 228  | 12397m   | 2.671   | ng    |          |
| 83) Chrysene                  | 14.015 | 228  | 31655m   | 6.649   | ng    |          |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149  | 88126    | 28.135  | ng    | # 89     |
| -----                         |        |      |          |         |       |          |

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

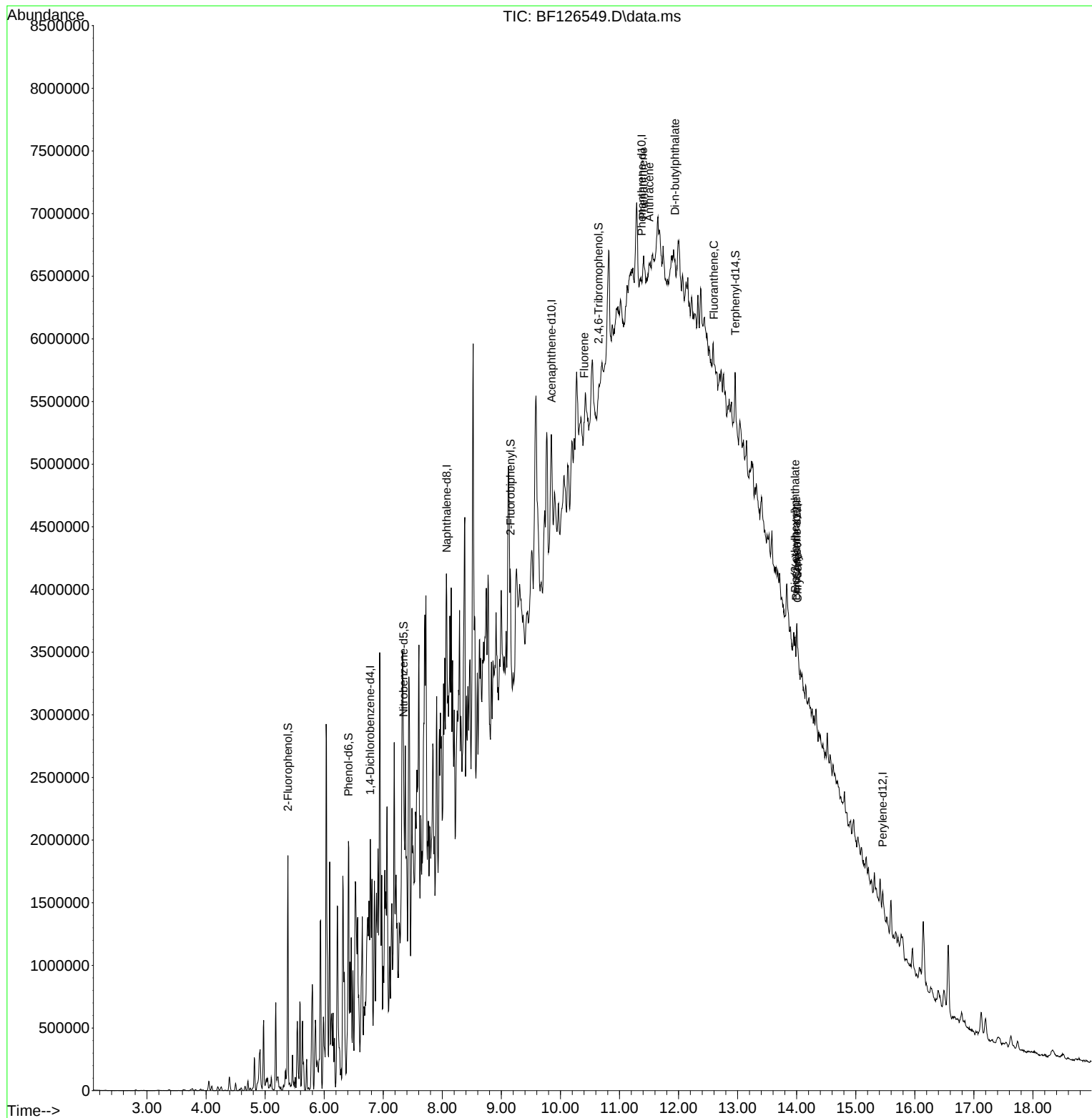
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010722\  
Data File : BF126549.D  
Acq On : 7 Jan 2022 18:34  
Operator : JU/CG  
Sample : N1066-01  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

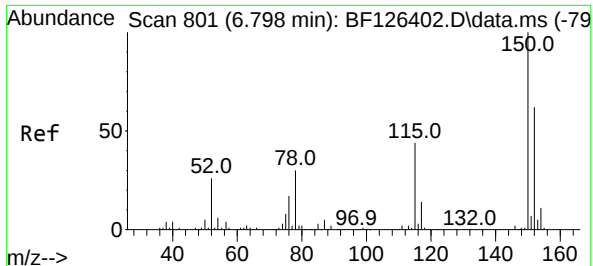
Instrument :  
BNA\_F  
ClientSampleId :  
DB-5-(9-9.5)-1-5-22

Quant Time: Jan 08 04:39:29 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122921.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jan 05 01:57:07 2022  
Response via : Initial Calibration

Manual Integrations  
APPROVED

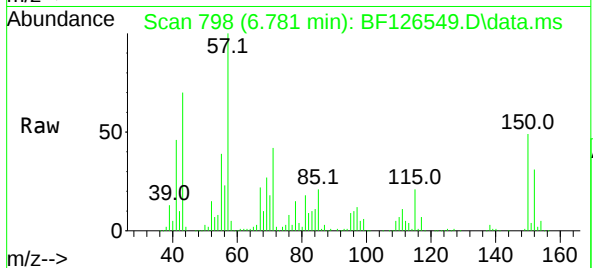
Reviewed By :Christian Giraldo 01/10/2022  
Supervised By :Jagrut Upadhyay 01/10/2022





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.781 min Scan# 79  
Delta R.T. -0.005 min  
Lab File: BF126549.D  
Acq: 7 Jan 2022 18:34

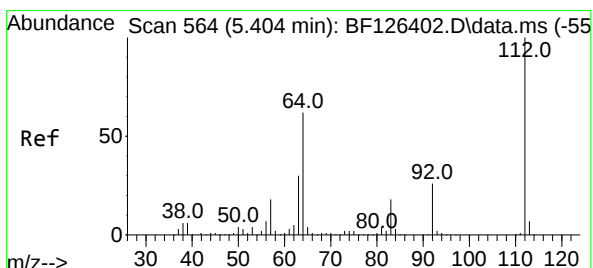
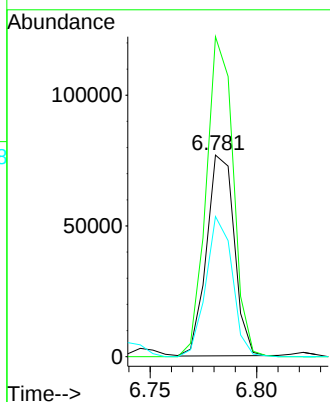
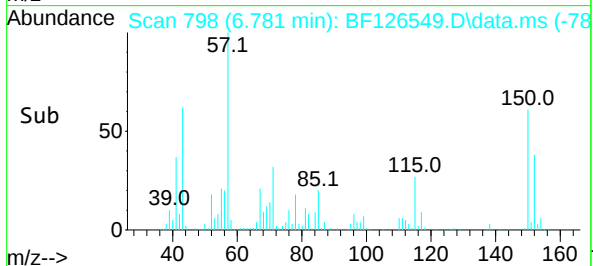
Instrument :  
BNA\_F  
ClientSampleId :  
DB-5-(9-9.5)-1-5-22



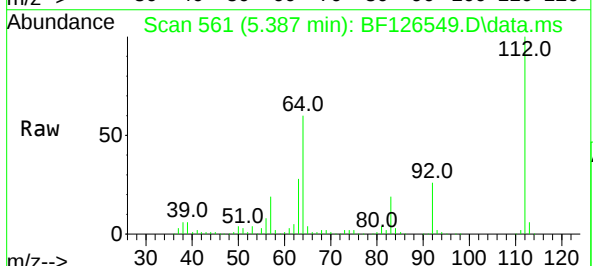
Tgt Ion:152 Resp: 69434  
Ion Ratio Lower Upper  
152 100  
150 158.7 128.1 192.1  
115 69.5 56.7 85.1

Manual Integrations  
APPROVED

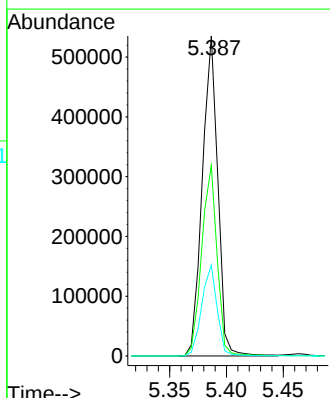
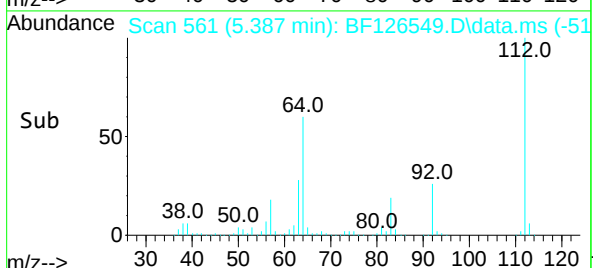
Reviewed By :Christian Giraldo 01/10/2022  
Supervised By :Jagrut Upadhyay 01/10/2022

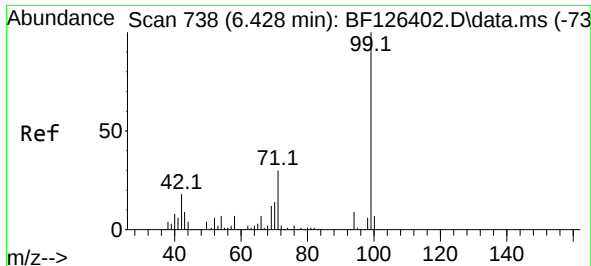


#5  
2-Fluorophenol  
Concen: 104.858 ng  
RT: 5.387 min Scan# 561  
Delta R.T. -0.006 min  
Lab File: BF126549.D  
Acq: 7 Jan 2022 18:34



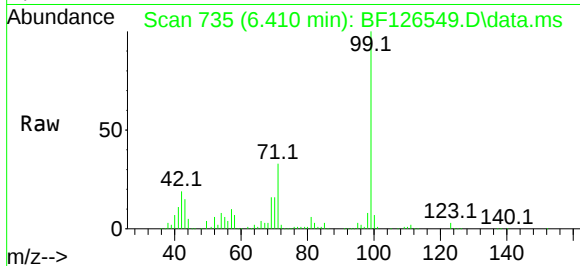
Tgt Ion:112 Resp: 506994  
Ion Ratio Lower Upper  
112 100  
64 59.5 49.5 74.3  
63 28.5 23.9 35.9





#7  
Phenol-d6  
Concen: 99.557 ng  
RT: 6.410 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF126549.D  
Acq: 7 Jan 2022 18:34

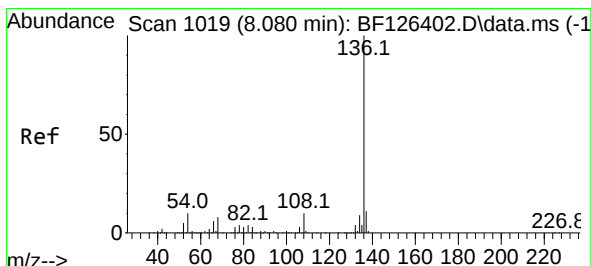
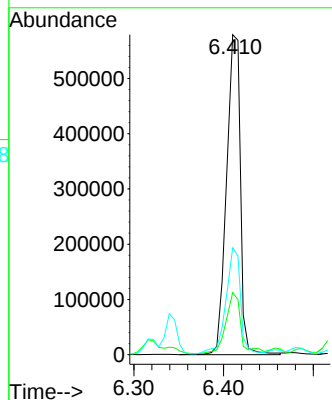
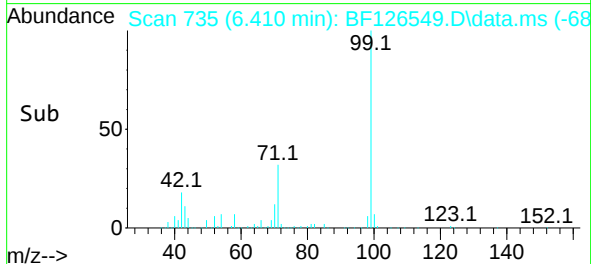
Instrument :  
BNA\_F  
ClientSampleId :  
DB-5-(9-9.5)-1-5-22



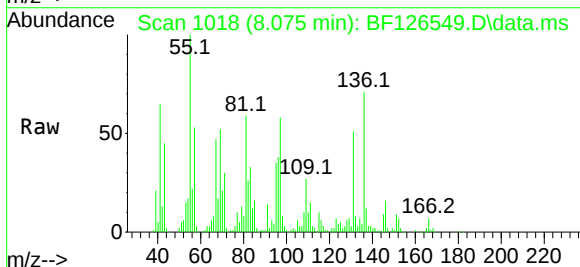
Tgt Ion: 99 Resp: 623464  
Ion Ratio Lower Upper  
99 100  
42 19.4 14.2 21.4  
71 33.4 24.3 36.5

Manual Integrations  
APPROVED

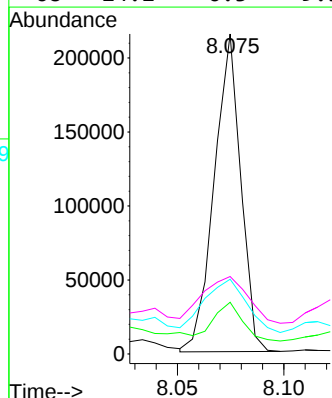
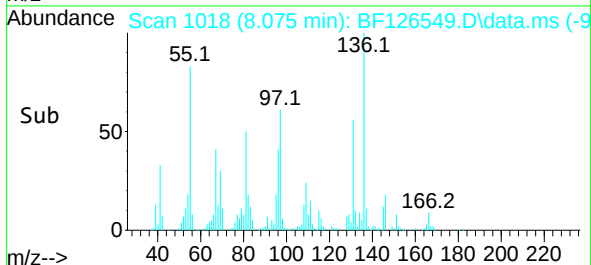
Reviewed By :Christian Giraldo 01/10/2022  
Supervised By :Jagrut Upadhyay 01/10/2022

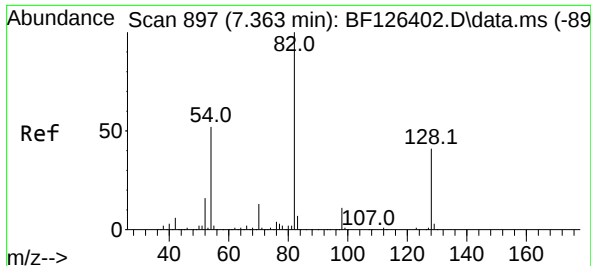


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.075 min Scan# 1018  
Delta R.T. 0.006 min  
Lab File: BF126549.D  
Acq: 7 Jan 2022 18:34



Tgt Ion:136 Resp: 185396  
Ion Ratio Lower Upper  
136 100  
137 16.1 8.6 13.0#  
54 23.4 7.8 11.6#  
68 24.2 6.3 9.5#





#23

Nitrobenzene-d5

Concen: 114.089 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF126549.D

Acq: 7 Jan 2022 18:34

Instrument :

BNA\_F

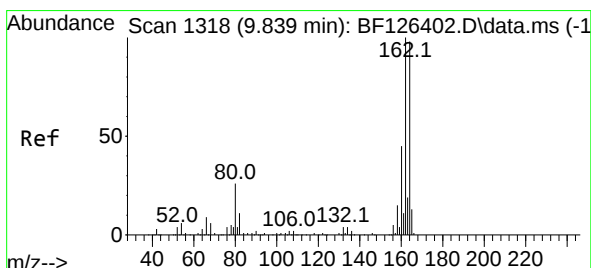
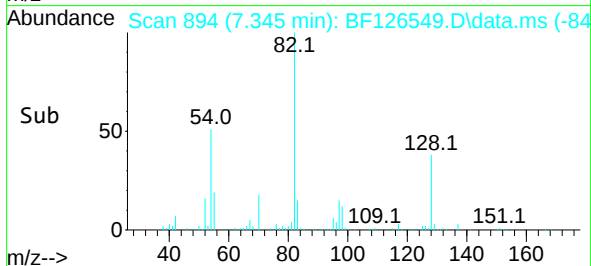
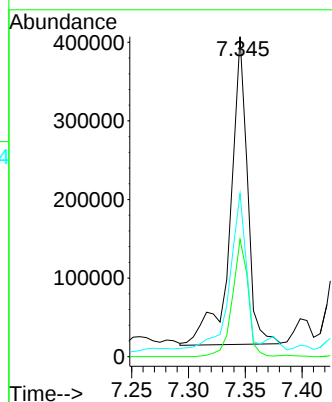
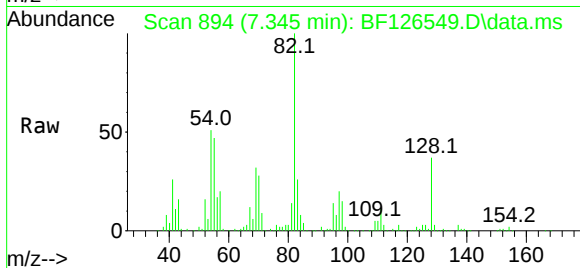
ClientSampleId :

DB-5-(9-9.5)-1-5-22

Tgt Ion: 82 Resp: 41194  
 Ion Ratio Lower Upper  
 82 100  
 128 36.7 32.7 49.1  
 54 51.0 41.7 62.5

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 01/10/2022  
 Supervised By :Jagrut Upadhyay 01/10/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

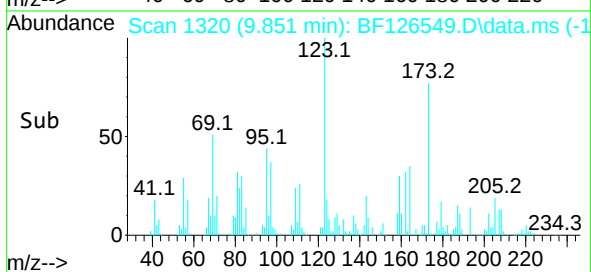
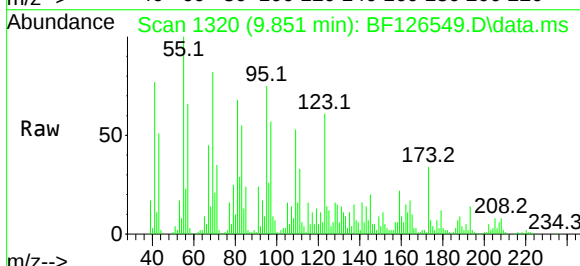
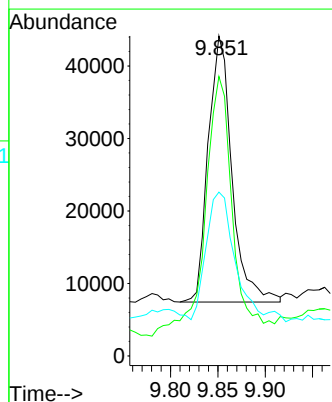
RT: 9.851 min Scan# 1320

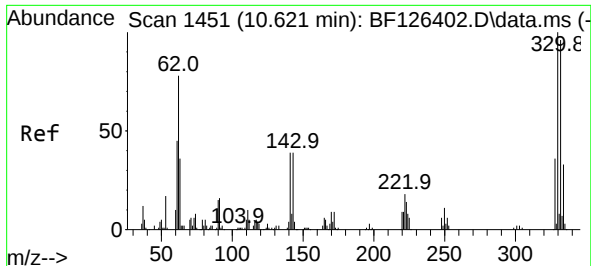
Delta R.T. 0.024 min

Lab File: BF126549.D

Acq: 7 Jan 2022 18:34

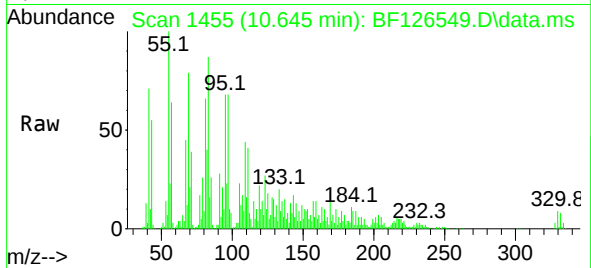
Tgt Ion:164 Resp: 63926  
 Ion Ratio Lower Upper  
 164 100  
 162 87.4 81.4 122.0  
 160 51.2 36.6 54.8





#42  
2,4,6-Tribromophenol  
Concen: 110.487 ng  
RT: 10.645 min Scan# 1451  
Delta R.T. 0.030 min  
Lab File: BF126549.D  
Acq: 7 Jan 2022 18:34

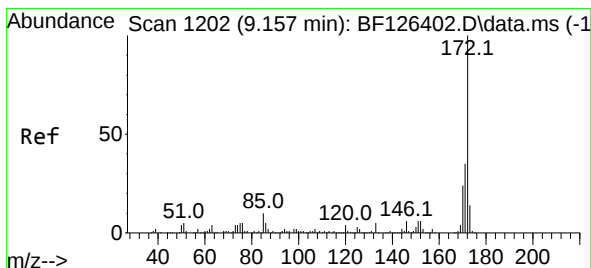
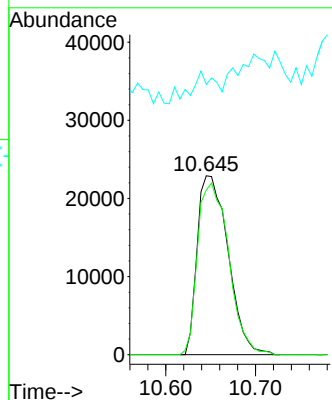
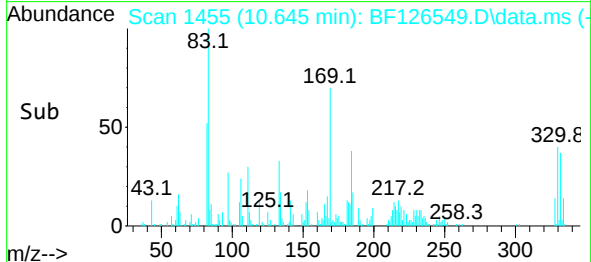
Instrument :  
BNA\_F  
ClientSampleId :  
DB-5-(9-9.5)-1-5-22



Tgt Ion:330 Resp: 54579  
Ion Ratio Lower Upper  
330 100  
332 96.8 76.0 114.0  
141 6.9 30.1 45.1

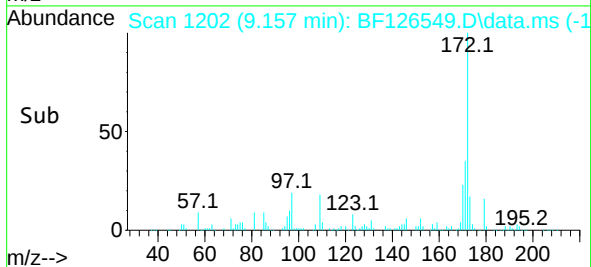
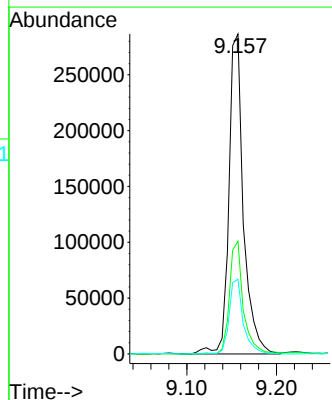
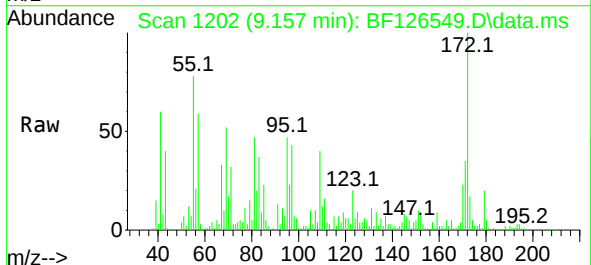
Manual Integrations  
APPROVED

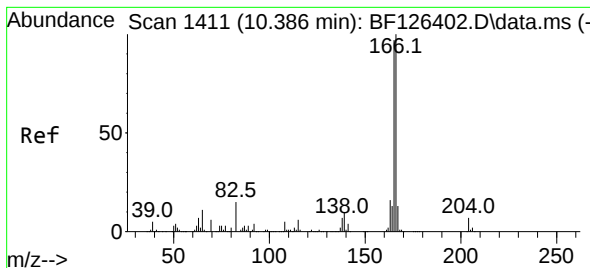
Reviewed By :Christian Giraldo 01/10/2022  
Supervised By :Jagrut Upadhyay 01/10/2022



#45  
2-Fluorobiphenyl  
Concen: 88.723 ng  
RT: 9.157 min Scan# 1202  
Delta R.T. 0.006 min  
Lab File: BF126549.D  
Acq: 7 Jan 2022 18:34

Tgt Ion:172 Resp: 322306  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.3 42.5  
170 23.4 19.0 28.6





#58

Fluorene

Concen: 11.374 ng

RT: 10.404 min Scan# 1411

Delta R.T. 0.030 min

Lab File: BF126549.D

Acq: 7 Jan 2022 18:34

Instrument :

BNA\_F

ClientSampleId :

DB-5-(9-9.5)-1-5-22

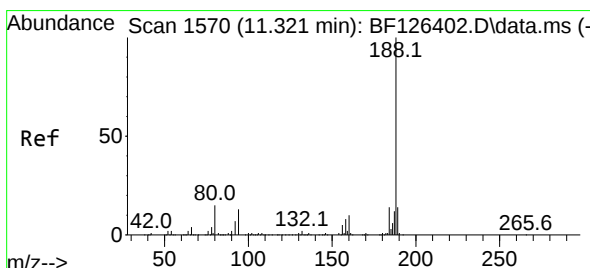
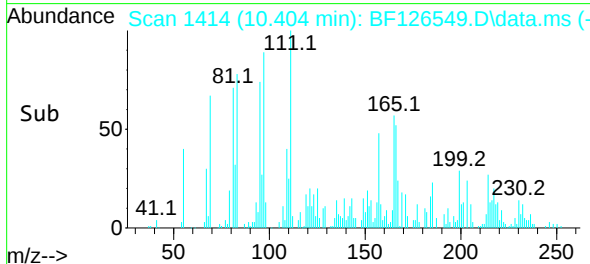
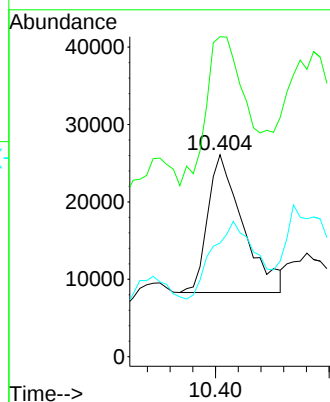
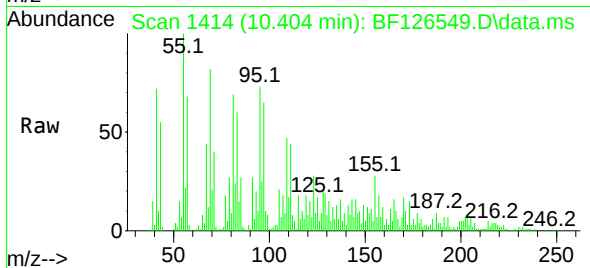
Tgt Ion:166 Resp: 38388  
 Ion Ratio Lower Upper  
 166 100  
 165 158.4 77.7 116.5#  
 167 56.2 10.7 16.1#

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/10/2022

Supervised By :Jagrut Upadhyay 01/10/2022



#64

Phenanthrene-d10

Concen: 20.000 ng

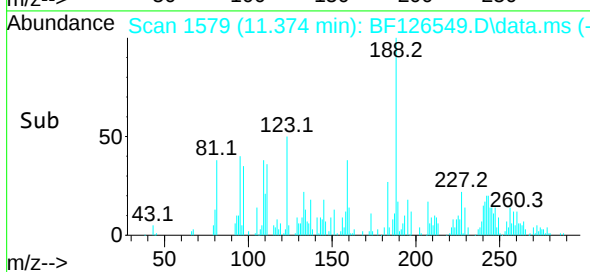
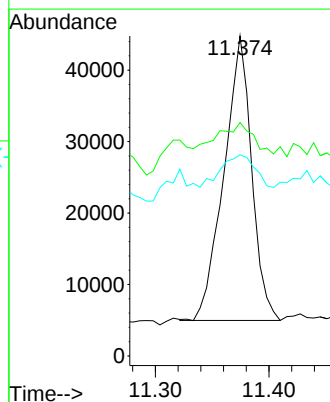
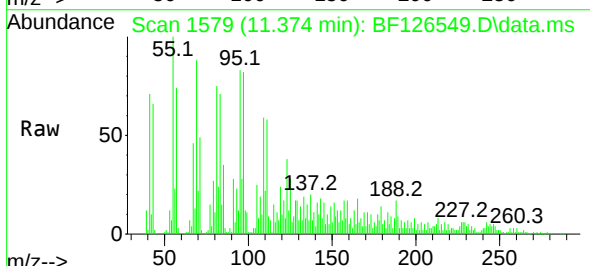
RT: 11.374 min Scan# 1579

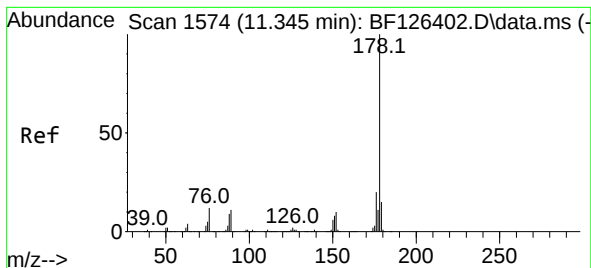
Delta R.T. 0.065 min

Lab File: BF126549.D

Acq: 7 Jan 2022 18:34

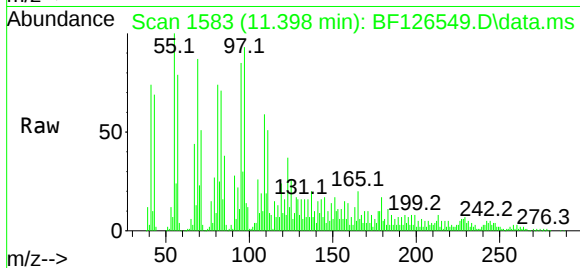
Tgt Ion:188 Resp: 67329  
 Ion Ratio Lower Upper  
 188 100  
 94 73.0 10.1 15.1#  
 80 62.9 11.8 17.6#





#71  
Phenanthrene  
Concen: 11.400 ng  
RT: 11.398 min Scan# 11  
Delta R.T. 0.065 min  
Lab File: BF126549.D  
Acq: 7 Jan 2022 18:34

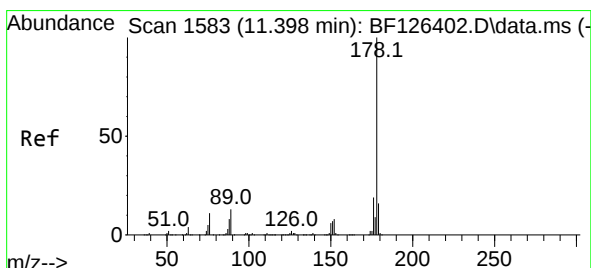
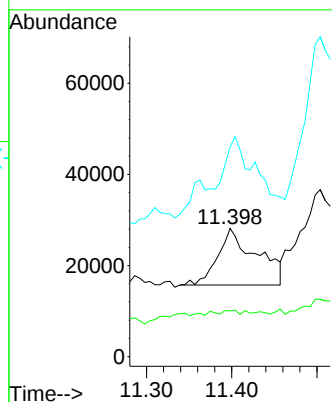
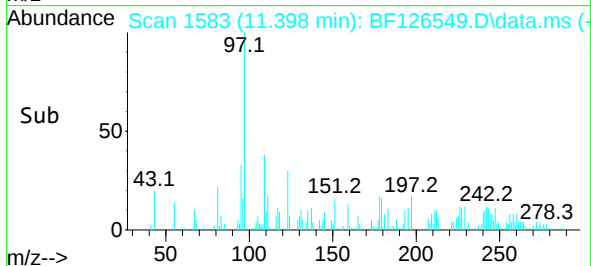
Instrument :  
BNA\_F  
ClientSampleId :  
DB-5-(9-9.5)-1-5-22



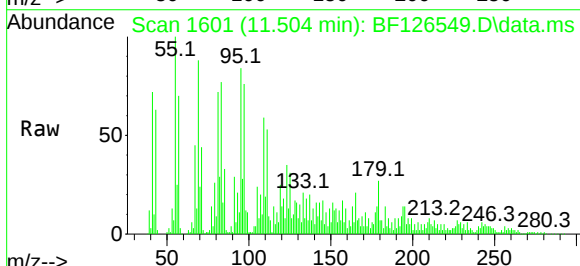
Tgt Ion:178 Resp: 3924  
Ion Ratio Lower Upper  
178 100  
176 35.6 15.7 23.5  
179 163.5 12.3 18.5

Manual Integrations  
APPROVED

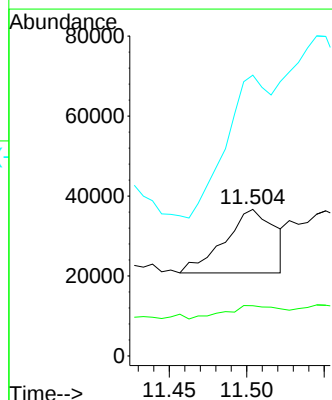
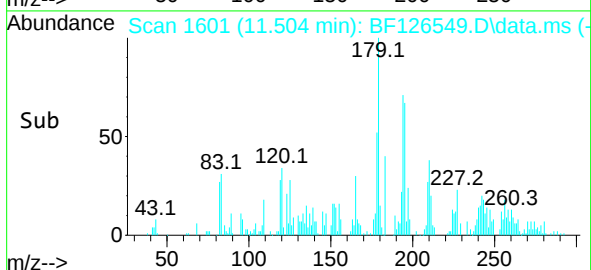
Reviewed By :Christian Giraldo 01/10/2022  
Supervised By :Jagrut Upadhyay 01/10/2022

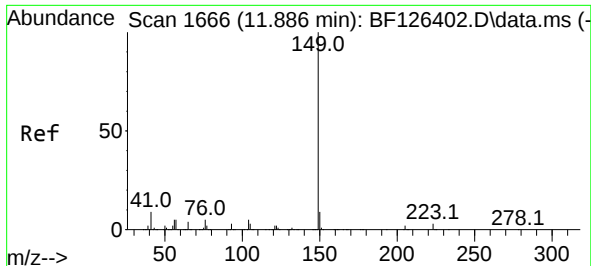


#72  
Anthracene  
Concen: 10.365 ng  
RT: 11.504 min Scan# 1601  
Delta R.T. 0.118 min  
Lab File: BF126549.D  
Acq: 7 Jan 2022 18:34



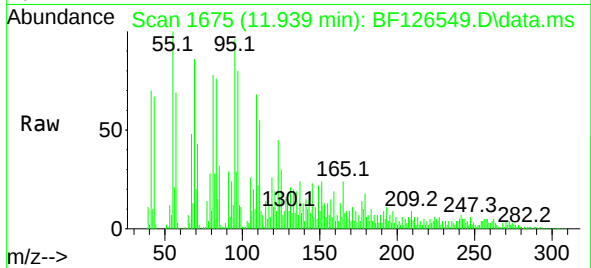
Tgt Ion:178 Resp: 35700  
Ion Ratio Lower Upper  
178 100  
176 34.3 15.0 22.6#  
179 191.5 12.5 18.7#





#74  
Di-n-butylphthalate  
Concen: 13.928 ng  
RT: 11.939 min Scan# 11939  
Delta R.T. 0.065 min  
Lab File: BF126549.D  
Acq: 7 Jan 2022 18:34

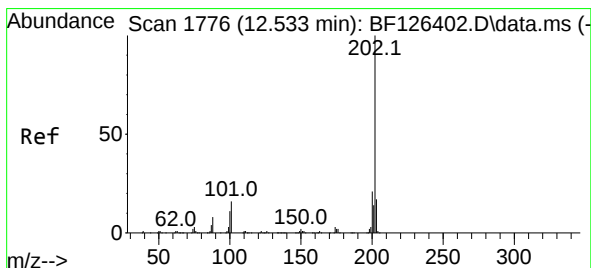
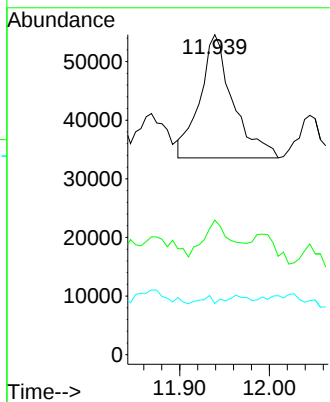
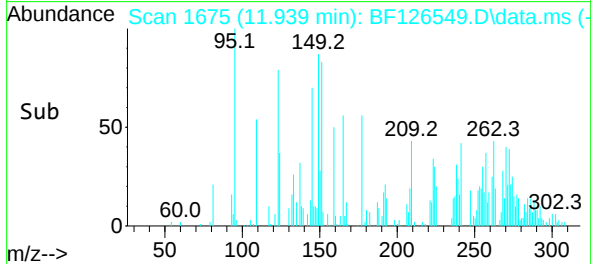
Instrument :  
BNA\_F  
ClientSampleId :  
DB-5-(9-9.5)-1-5-22



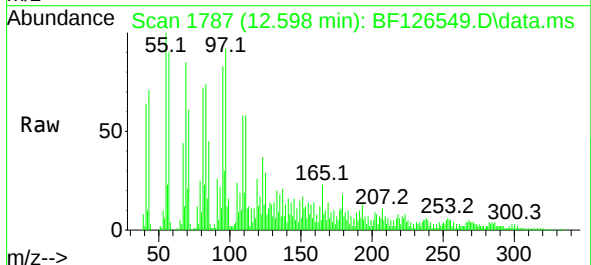
Tgt Ion:149 Resp: 5348  
Ion Ratio Lower Upper  
149 100  
150 42.0 7.2 10.8  
104 16.0 4.2 6.2

Manual Integrations  
APPROVED

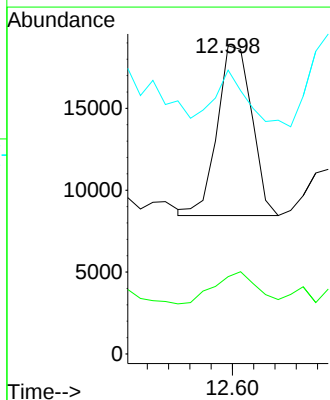
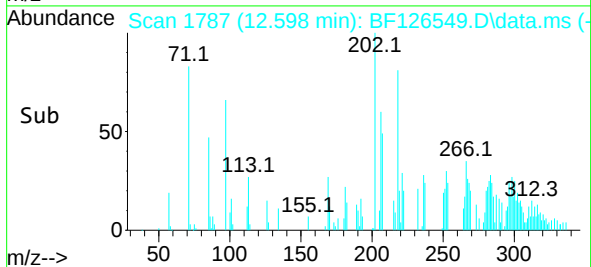
Reviewed By :Christian Giraldo 01/10/2022  
Supervised By :Jagrut Upadhyay 01/10/2022

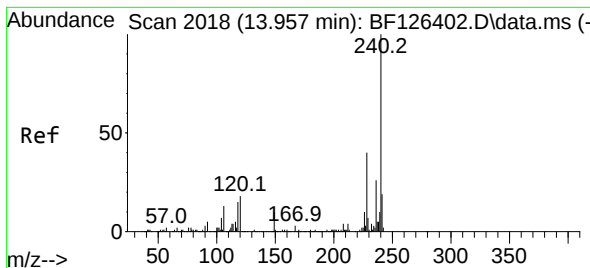


#75  
Fluoranthene  
Concen: 3.723 ng  
RT: 12.598 min Scan# 1787  
Delta R.T. 0.077 min  
Lab File: BF126549.D  
Acq: 7 Jan 2022 18:34



Tgt Ion:202 Resp: 11697  
Ion Ratio Lower Upper  
202 100  
101 25.1 0.0 35.7  
203 92.1 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2018

Delta R.T. 0.053 min

Lab File: BF126549.D

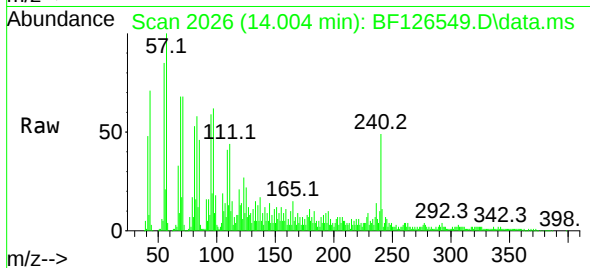
Acq: 7 Jan 2022 18:34

Instrument :

BNA\_F

ClientSampleId :

DB-5-(9-9.5)-1-5-22



Tgt Ion:240 Resp: 80709

Ion Ratio Lower Upper

240 100

120 26.8 14.4 21.6

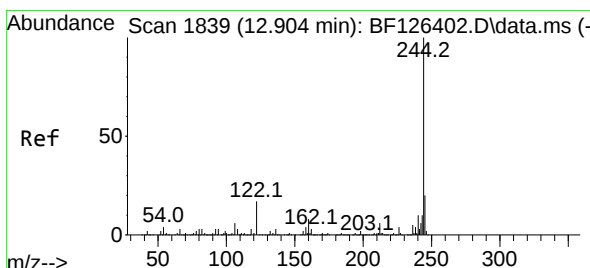
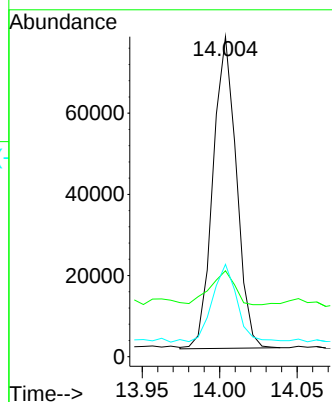
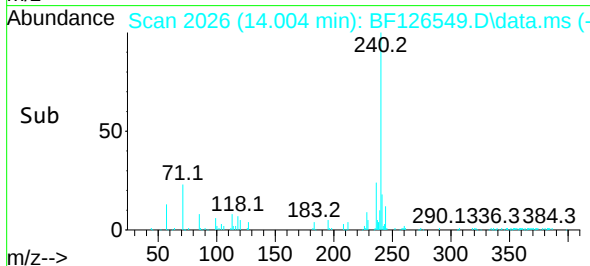
236 28.9 20.5 30.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/10/2022

Supervised By :Jagrut Upadhyay 01/10/2022



#79

Terphenyl-d14

Concen: 49.363 ng

RT: 12.963 min Scan# 1849

Delta R.T. 0.065 min

Lab File: BF126549.D

Acq: 7 Jan 2022 18:34

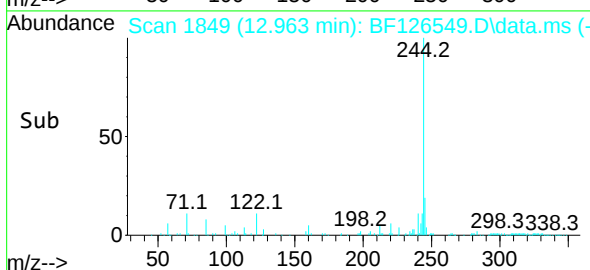
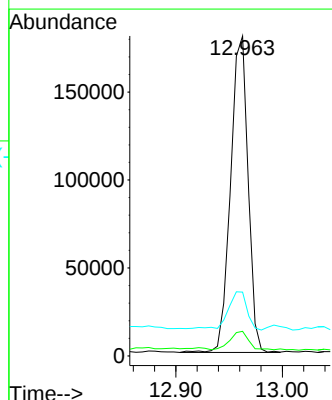
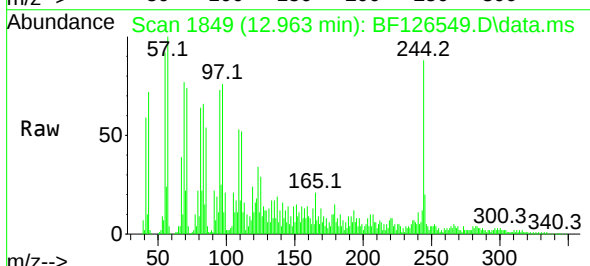
Tgt Ion:244 Resp: 205052

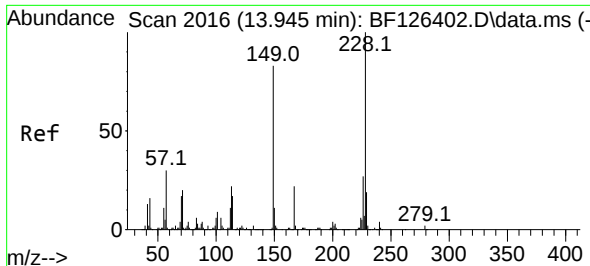
Ion Ratio Lower Upper

244 100

212 7.7 5.0 7.4

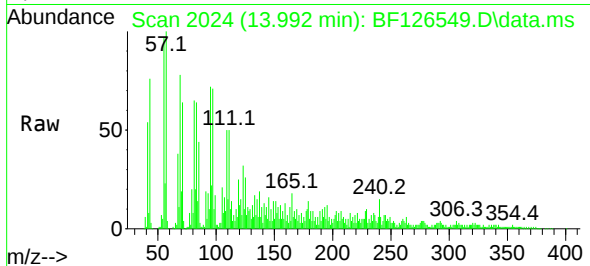
122 19.9 13.3 19.9





#81  
Benzo(a)anthracene  
Concen: 2.671 ng m  
RT: 13.992 min Scan# 2016  
Delta R.T. 0.053 min  
Lab File: BF126549.D  
Acq: 7 Jan 2022 18:34

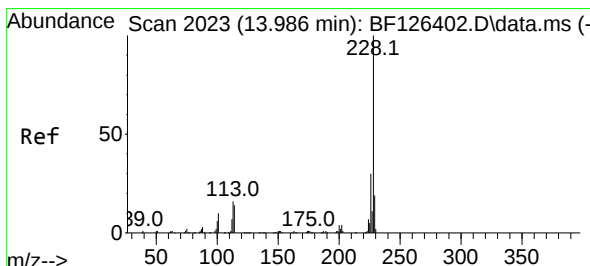
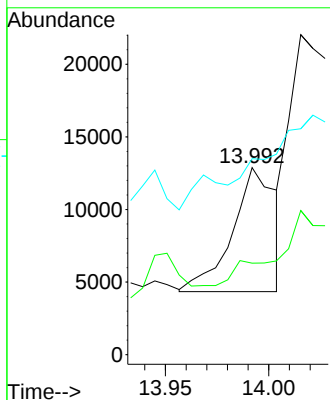
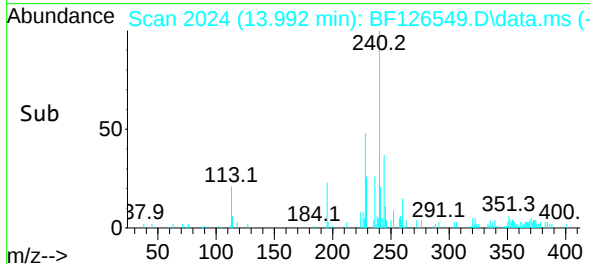
Instrument :  
BNA\_F  
ClientSampleId :  
DB-5-(9-9.5)-1-5-22



Tgt Ion:228 Resp: 12397  
Ion Ratio Lower Upper  
228 100  
226 49.0 21.4 32.0#  
229 104.9 15.4 23.2#

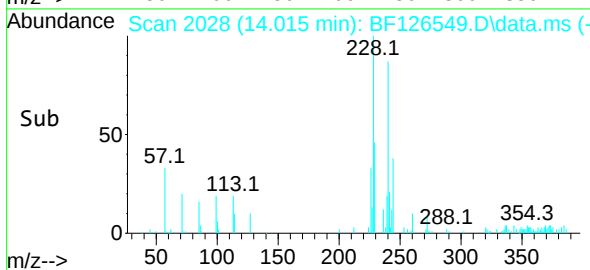
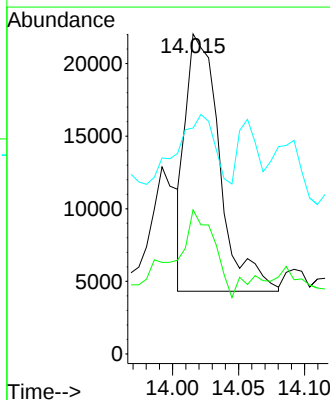
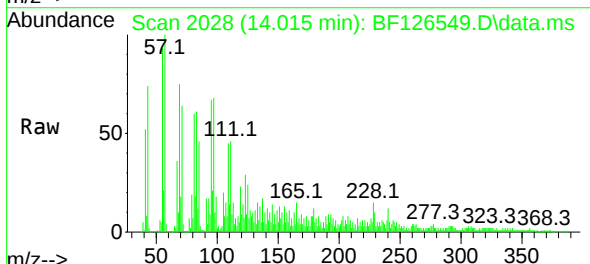
Manual Integrations  
APPROVED

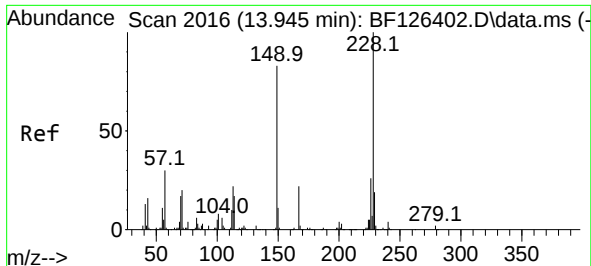
Reviewed By :Christian Giraldo 01/10/2022  
Supervised By :Jagrut Upadhyay 01/10/2022



#83  
Chrysene  
Concen: 6.649 ng m  
RT: 14.015 min Scan# 2028  
Delta R.T. 0.041 min  
Lab File: BF126549.D  
Acq: 7 Jan 2022 18:34

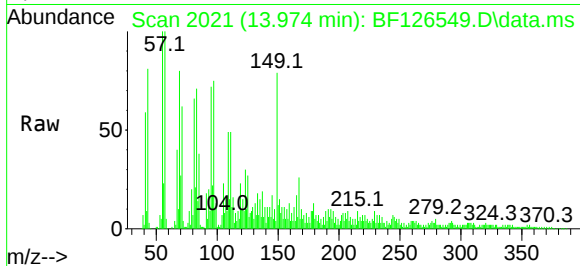
Tgt Ion:228 Resp: 31655  
Ion Ratio Lower Upper  
228 100  
226 45.0 23.7 35.5#  
229 70.6 15.5 23.3#





#84  
Bis(2-ethylhexyl)phthalate  
Concen: 28.135 ng  
RT: 13.974 min Scan# 2016  
Delta R.T. 0.041 min  
Lab File: BF126549.D  
Acq: 7 Jan 2022 18:34

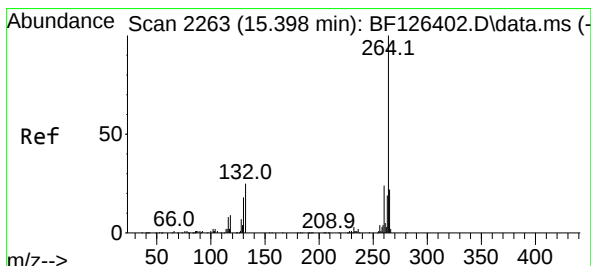
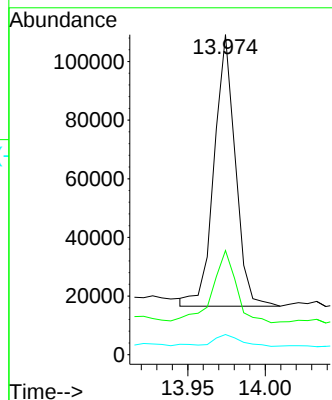
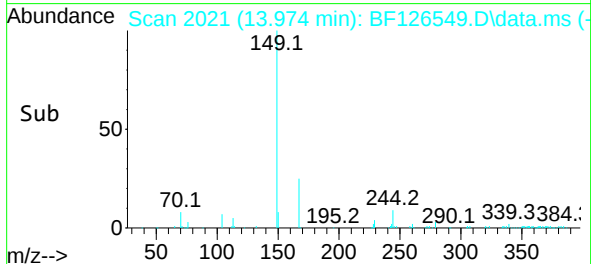
Instrument :  
BNA\_F  
ClientSampleId :  
DB-5-(9-9.5)-1-5-22



Tgt Ion:149 Resp: 88120  
Ion Ratio Lower Upper  
149 100  
167 32.6 21.4 32.2  
279 6.3 2.4 3.6

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 01/10/2022  
Supervised By :Jagrut Upadhyay 01/10/2022



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.457 min Scan# 2273  
Delta R.T. 0.071 min  
Lab File: BF126549.D  
Acq: 7 Jan 2022 18:34

Tgt Ion:264 Resp: 81251  
Ion Ratio Lower Upper  
264 100  
260 24.4 19.2 28.8  
265 24.6 17.4 26.2

