

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF021722\  
 Data File : BF126941.D  
 Acq On : 17 Feb 2022 22:12  
 Operator : CG\JU  
 Sample : N1572-01 5X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PL-02-021622

Quant Time: Feb 18 03:46:47 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 16 14:55:48 2022  
 Response via : Initial Calibration

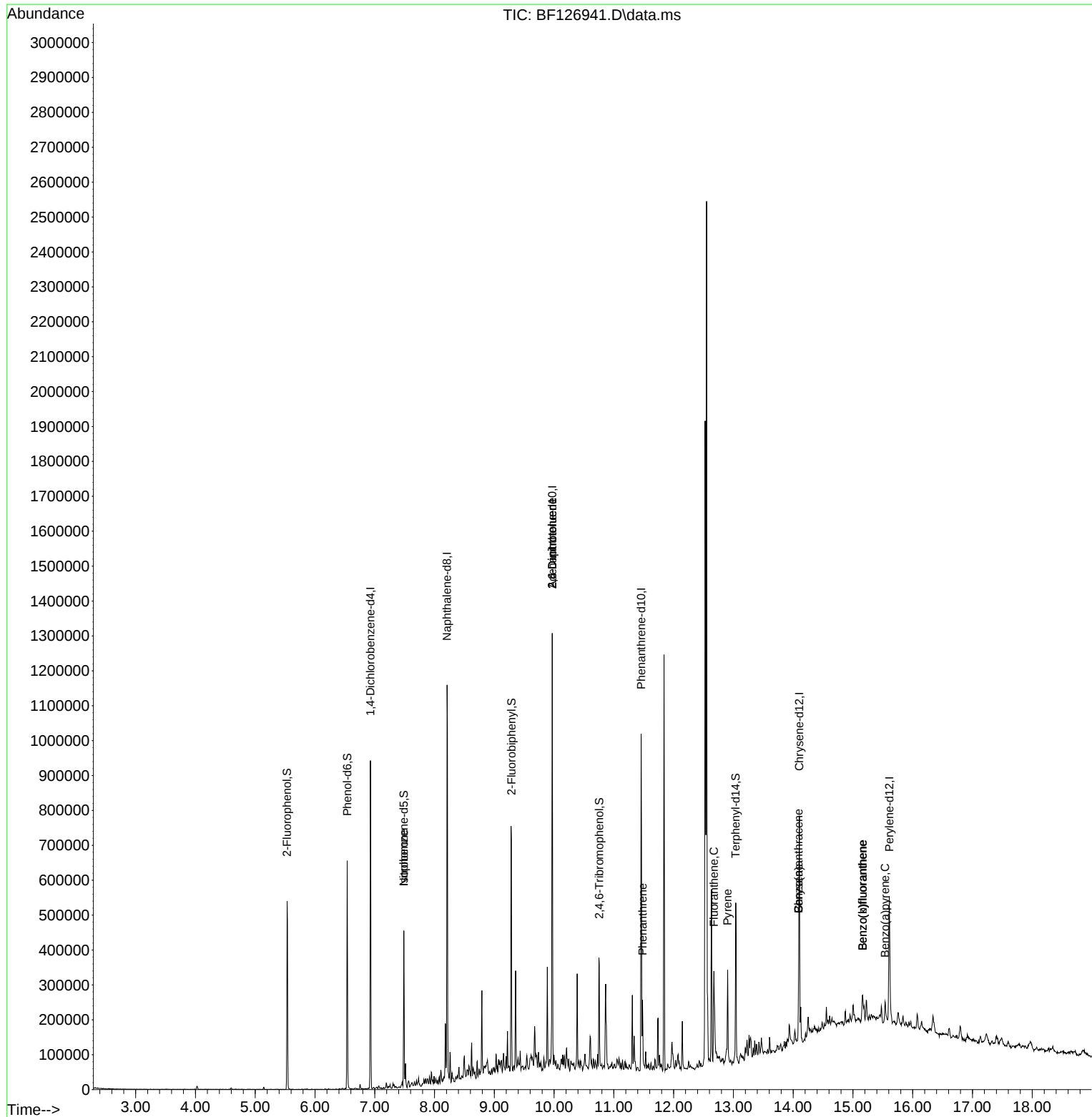
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.928  | 152  | 113743   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.210  | 136  | 454518   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10        | 9.969  | 164  | 214469   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.457 | 188  | 301993   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 14.104 | 240  | 191464   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12            | 15.610 | 264  | 152113   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.534  | 112  | 125292   | 17.025 | ng    | -0.01    |
| 7) Phenol-d6                | 6.540  | 99   | 166271   | 16.744 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.487  | 82   | 117234   | 11.642 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.757 | 330  | 32593    | 13.199 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.286  | 172  | 192217   | 13.194 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.039 | 244  | 130688   | 10.034 | ng    | -0.01    |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 25) Isophorone              | 7.487  | 82   | 116914   | 7.017  | ng    | # 69     |
| 51) 2,6-Dinitrotoluene      | 9.969  | 165  | 29048    | 9.313  | ng    | # 22     |
| 57) 2,4-Dinitrotoluene      | 9.969  | 165  | 29048    | 6.888  | ng    | # 16     |
| 71) Phenanthrene            | 11.480 | 178  | 57499    | 3.402  | ng    | 99       |
| 75) Fluoranthene            | 12.674 | 202  | 79262    | 4.939  | ng    | 95       |
| 78) Pyrene                  | 12.904 | 202  | 70948    | 4.265  | ng    | 99       |
| 81) Benzo(a)anthracene      | 14.092 | 228  | 39265    | 3.042  | ng    | 92       |
| 83) Chrysene                | 14.092 | 228  | 39265    | 3.235  | ng    | 96       |
| 88) Benzo(b)fluoranthene    | 15.163 | 252  | 55241    | 5.407  | ng    | 99       |
| 89) Benzo(k)fluoranthene    | 15.163 | 252  | 55241    | 5.606  | ng    | 97       |
| 90) Benzo(a)pyrene          | 15.539 | 252  | 27615    | 3.460  | ng    | 94       |
| -----                       |        |      |          |        |       |          |

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

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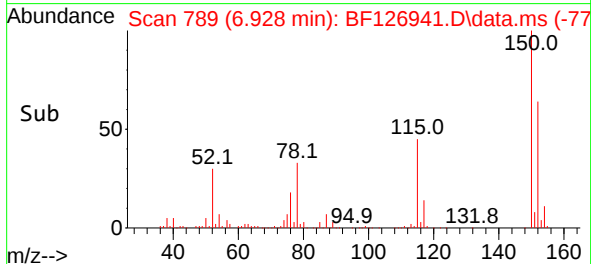
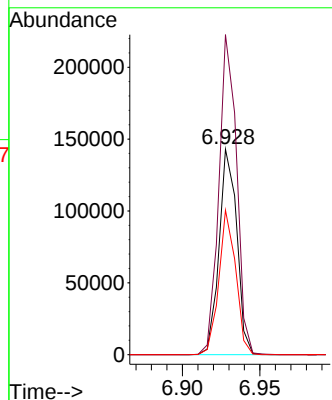
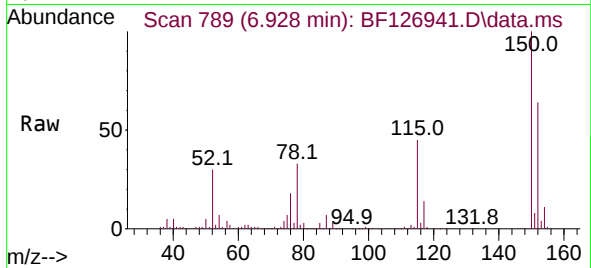




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.928 min Scan# 71  
Delta R.T. -0.005 min  
Lab File: BF126941.D  
Acq: 17 Feb 2022 22:12

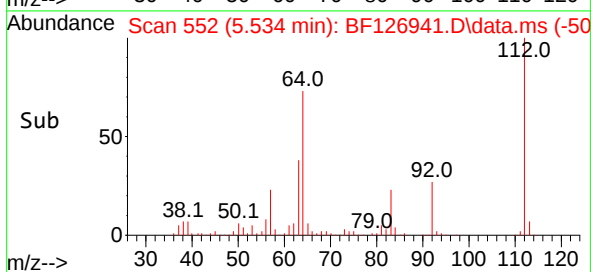
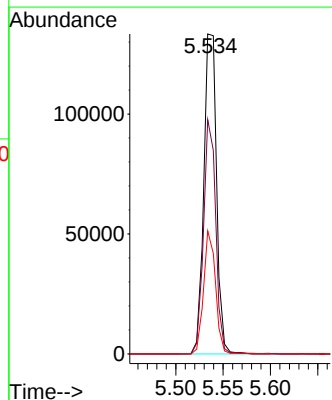
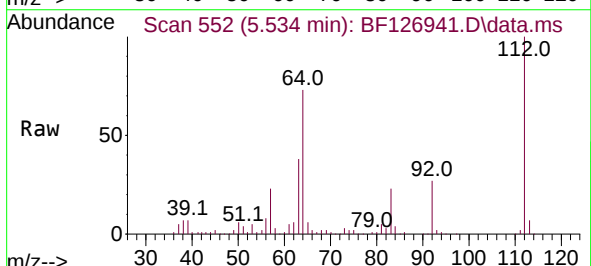
Instrument :  
BNA\_F  
ClientSampleId :  
PL-02-021622

Tgt Ion:152 Resp: 113743  
Ion Ratio Lower Upper  
152 100  
150 155.7 128.1 192.1  
115 70.3 56.7 85.1



#5  
2-Fluorophenol  
Concen: 17.025 ng  
RT: 5.534 min Scan# 552  
Delta R.T. -0.012 min  
Lab File: BF126941.D  
Acq: 17 Feb 2022 22:12

Tgt Ion:112 Resp: 125292  
Ion Ratio Lower Upper  
112 100  
64 73.2 49.5 74.3  
63 38.5 23.9 35.9#





#7

Phenol-d6

Concen: 16.744 ng

RT: 6.540 min Scan# 71

Delta R.T. -0.017 min

Lab File: BF126941.D

Acq: 17 Feb 2022 22:12

Instrument :

BNA\_F

ClientSampleId :

PL-02-021622

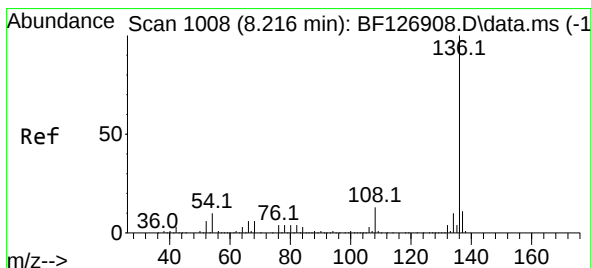
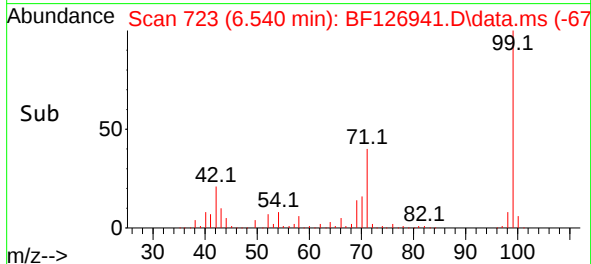
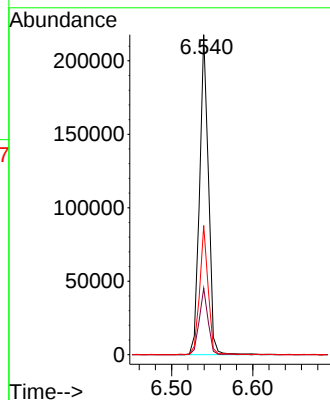
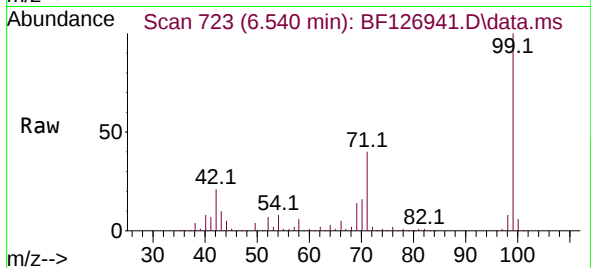
Tgt Ion: 99 Resp: 166271

Ion Ratio Lower Upper

99 100

42 20.8 14.2 21.4

71 40.4 24.3 36.5#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.210 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF126941.D

Acq: 17 Feb 2022 22:12

Tgt Ion:136 Resp: 454518

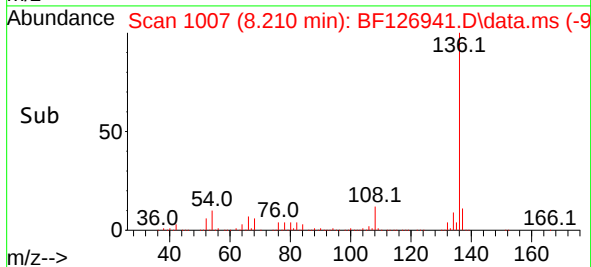
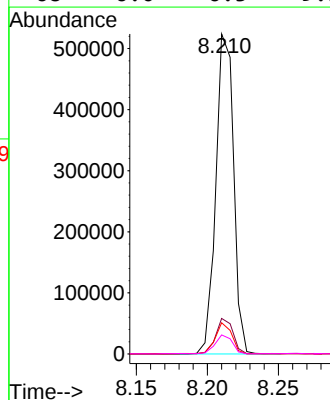
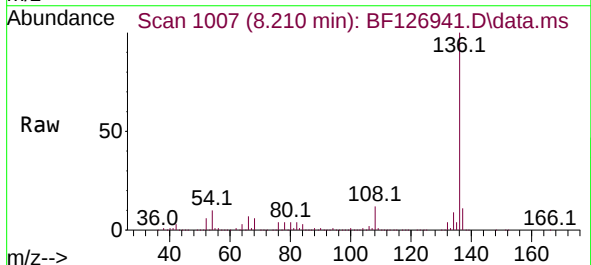
Ion Ratio Lower Upper

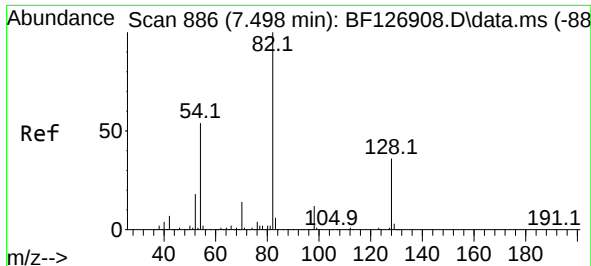
136 100

137 11.1 8.6 13.0

54 9.7 7.8 11.6

68 6.0 6.3 9.5#





#23

Nitrobenzene-d5

Concen: 11.642 ng

RT: 7.487 min Scan# 884

Delta R.T. -0.012 min

Lab File: BF126941.D

Acq: 17 Feb 2022 22:12

Instrument :

BNA\_F

ClientSampleId :

PL-02-021622

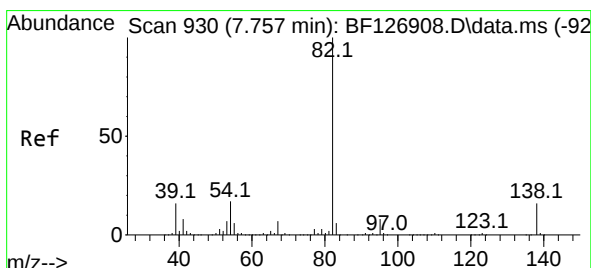
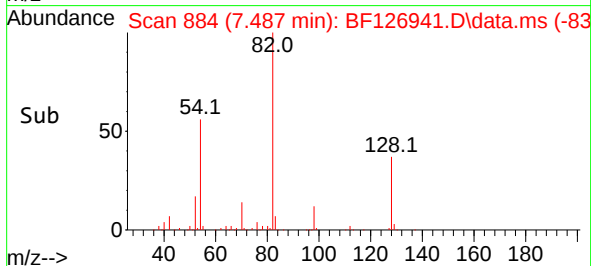
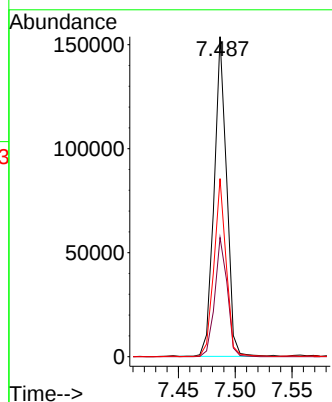
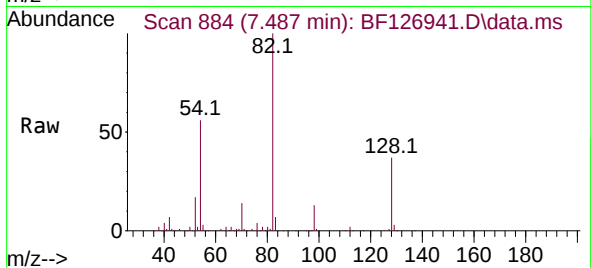
Tgt Ion: 82 Resp: 117234

Ion Ratio Lower Upper

82 100

128 37.2 32.7 49.1

54 55.6 41.7 62.5



#25

Isophorone

Concen: 7.017 ng

RT: 7.487 min Scan# 884

Delta R.T. -0.270 min

Lab File: BF126941.D

Acq: 17 Feb 2022 22:12

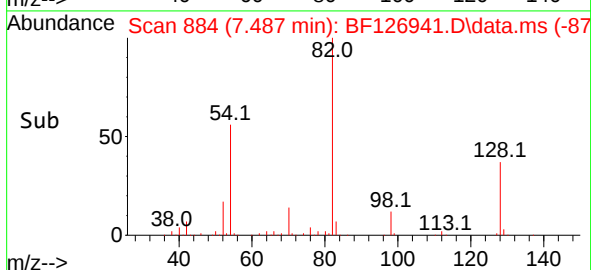
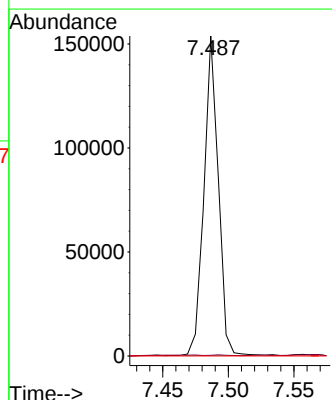
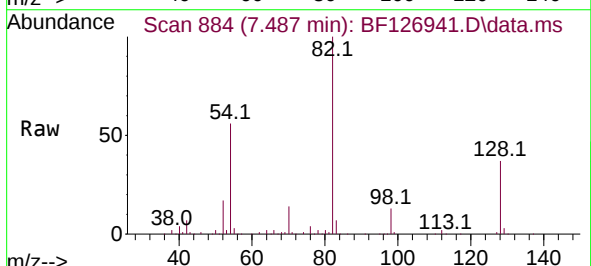
Tgt Ion: 82 Resp: 116914

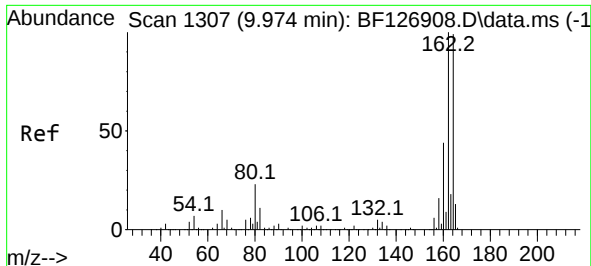
Ion Ratio Lower Upper

82 100

95 0.2 5.0 7.4#

138 0.0 12.3 18.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126941.D

Acq: 17 Feb 2022 22:12

Instrument :

BNA\_F

ClientSampleId :

PL-02-021622

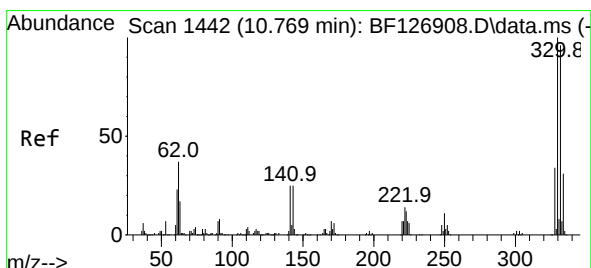
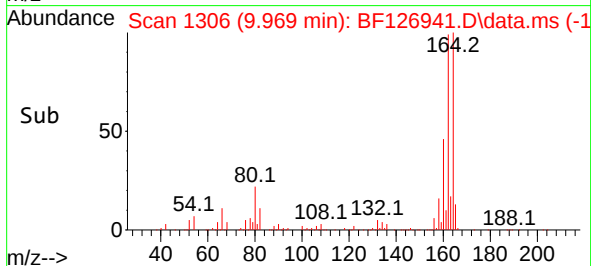
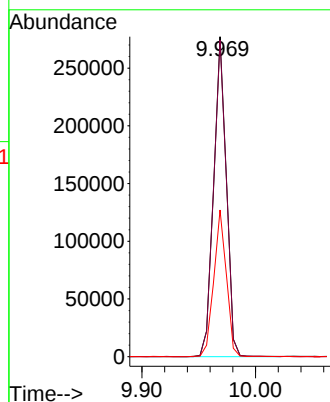
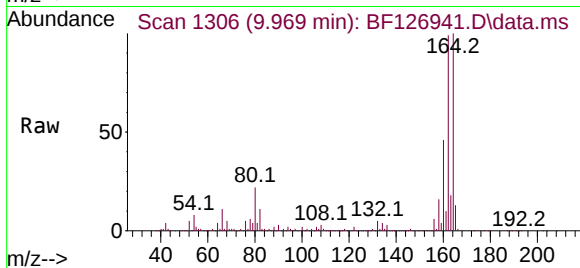
Tgt Ion:164 Resp: 214469

Ion Ratio Lower Upper

164 100

162 98.9 81.4 122.0

160 45.8 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 13.199 ng

RT: 10.757 min Scan# 1440

Delta R.T. -0.012 min

Lab File: BF126941.D

Acq: 17 Feb 2022 22:12

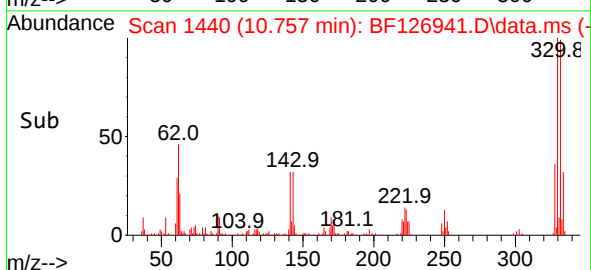
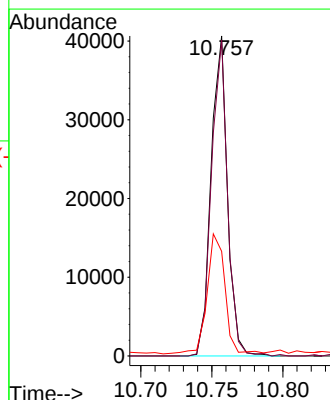
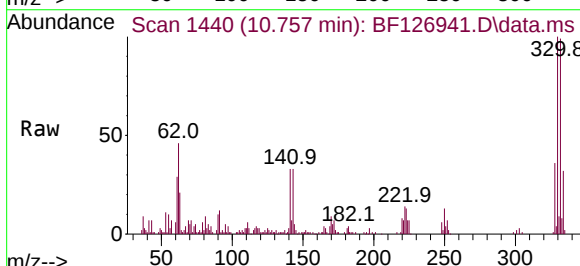
Tgt Ion:330 Resp: 32593

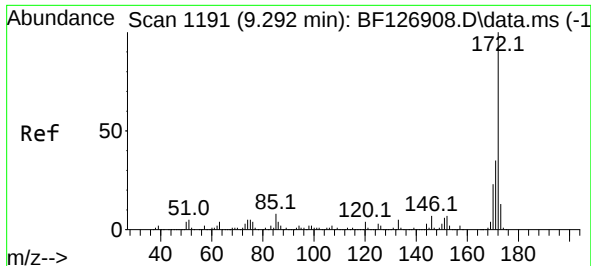
Ion Ratio Lower Upper

330 100

332 97.5 76.0 114.0

141 40.8 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 13.194 ng

RT: 9.286 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF126941.D

Acq: 17 Feb 2022 22:12

Instrument :

BNA\_F

ClientSampleId :

PL-02-021622

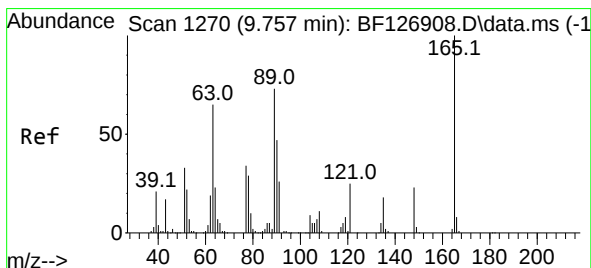
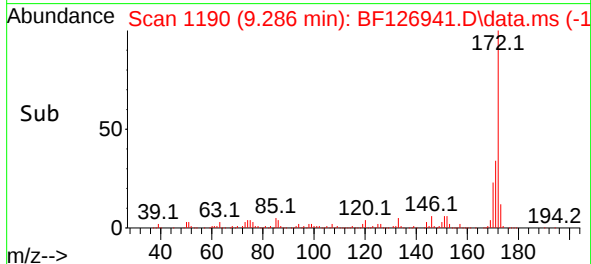
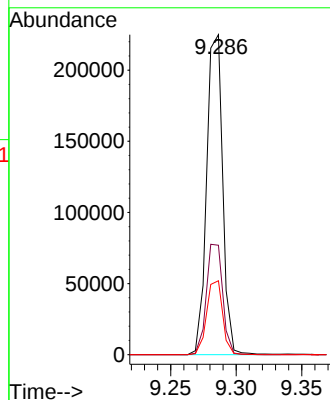
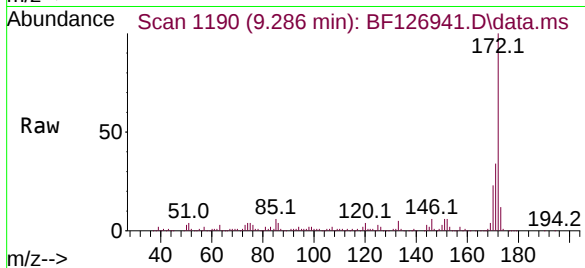
Tgt Ion:172 Resp: 192217

Ion Ratio Lower Upper

172 100

171 34.2 28.3 42.5

170 23.1 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 9.313 ng

RT: 9.969 min Scan# 1306

Delta R.T. 0.212 min

Lab File: BF126941.D

Acq: 17 Feb 2022 22:12

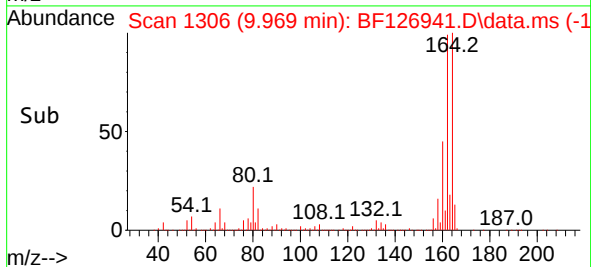
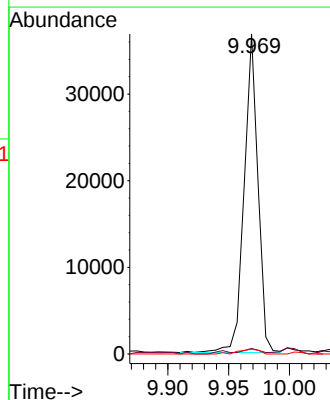
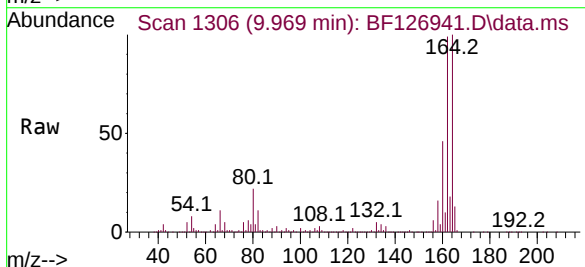
Tgt Ion:165 Resp: 29048

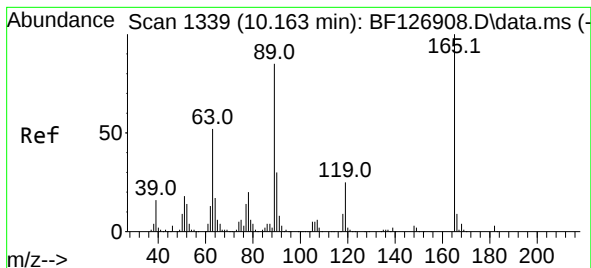
Ion Ratio Lower Upper

165 100

63 1.7 48.4 72.6#

89 1.5 50.5 75.7#

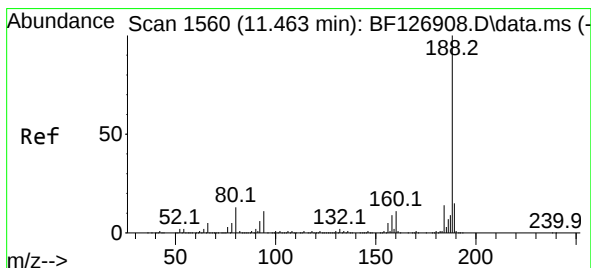
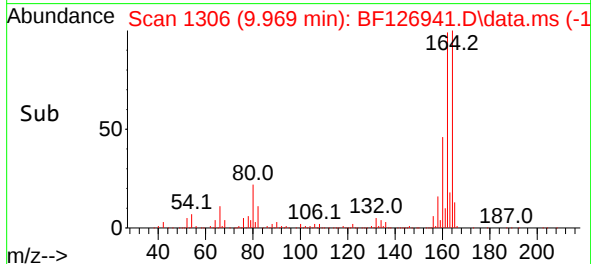
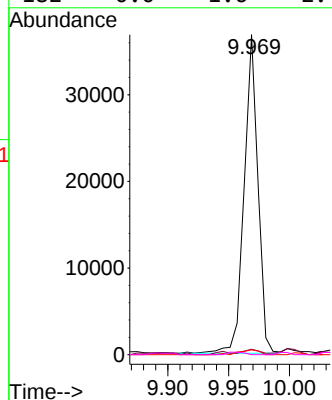
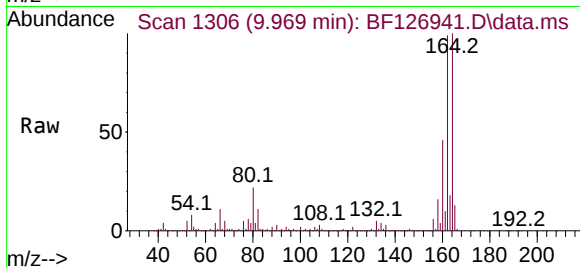




#57  
2,4-Dinitrotoluene  
Concen: 6.888 ng  
RT: 9.969 min Scan# 11  
Delta R.T. -0.194 min  
Lab File: BF126941.D  
Acq: 17 Feb 2022 22:12

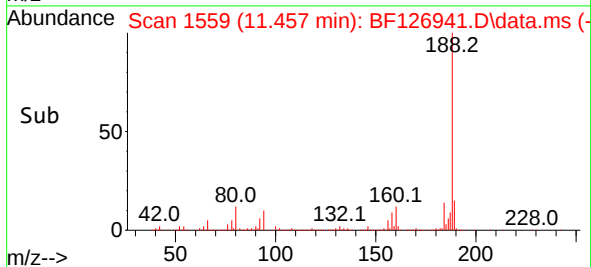
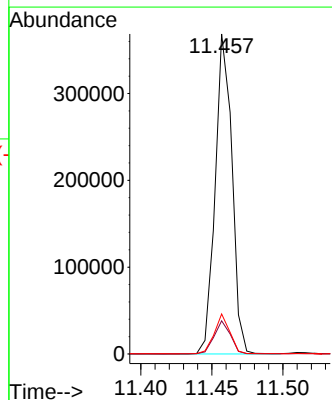
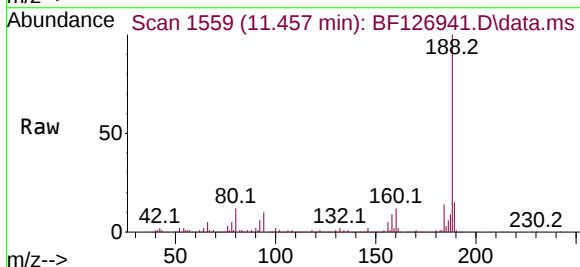
Instrument :  
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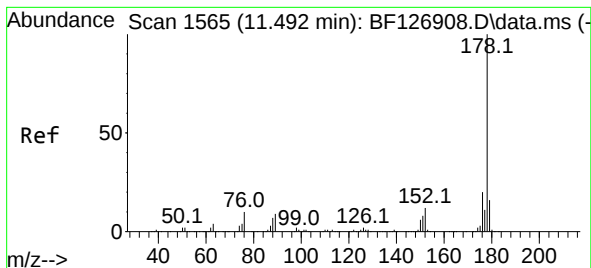
Tgt Ion:165 Resp: 29048  
Ion Ratio Lower Upper  
165 100  
63 1.7 43.0 64.6#  
89 1.5 71.0 106.4#  
182 0.0 1.6 2.4#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.457 min Scan# 1559  
Delta R.T. -0.006 min  
Lab File: BF126941.D  
Acq: 17 Feb 2022 22:12

Tgt Ion:188 Resp: 301993  
Ion Ratio Lower Upper  
188 100  
94 10.3 10.1 15.1  
80 12.5 11.8 17.6





#71

Phenanthrene

Concen: 3.402 ng

RT: 11.480 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF126941.D

Acq: 17 Feb 2022 22:12

Instrument :

BNA\_F

ClientSampleId :

PL-02-021622

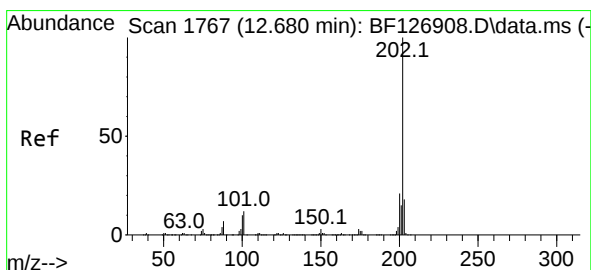
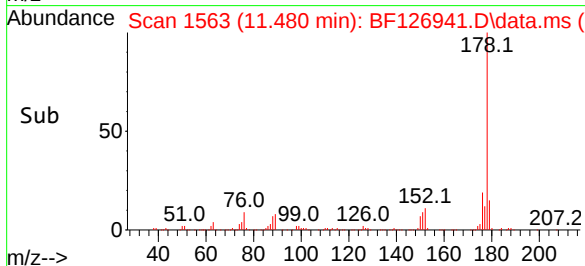
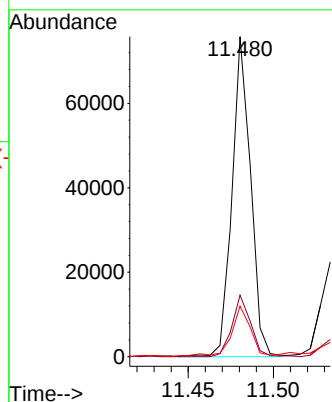
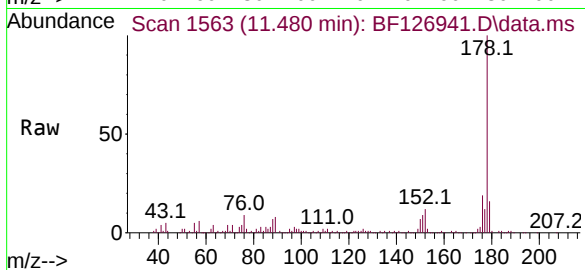
Tgt Ion:178 Resp: 57499

Ion Ratio Lower Upper

178 100

176 19.2 15.7 23.5

179 15.8 12.3 18.5



#75

Fluoranthene

Concen: 4.939 ng

RT: 12.674 min Scan# 1766

Delta R.T. -0.006 min

Lab File: BF126941.D

Acq: 17 Feb 2022 22:12

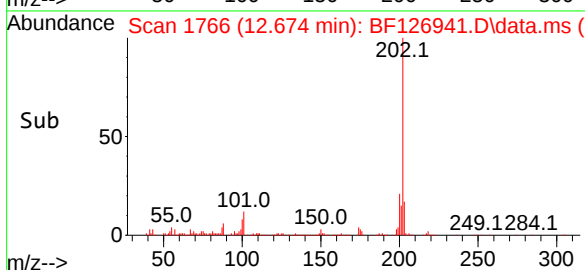
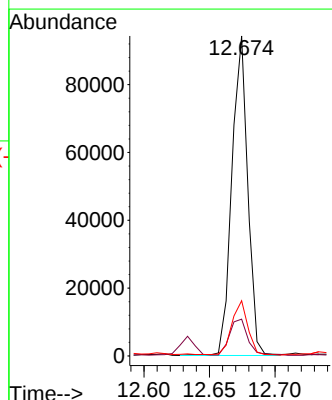
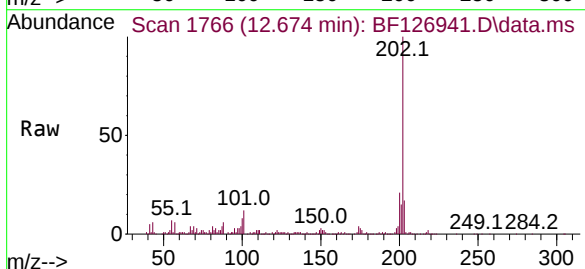
Tgt Ion:202 Resp: 79262

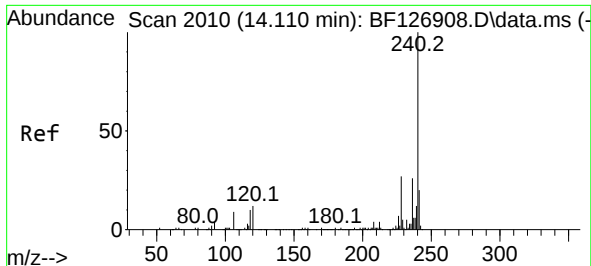
Ion Ratio Lower Upper

202 100

101 11.5 0.0 35.7

203 17.3 0.0 37.1

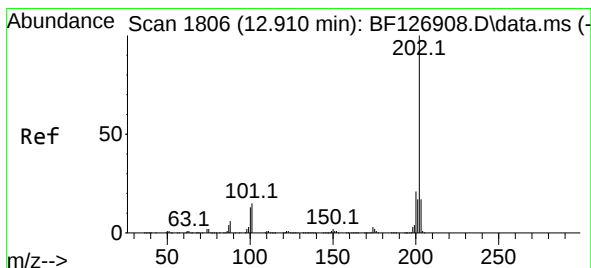
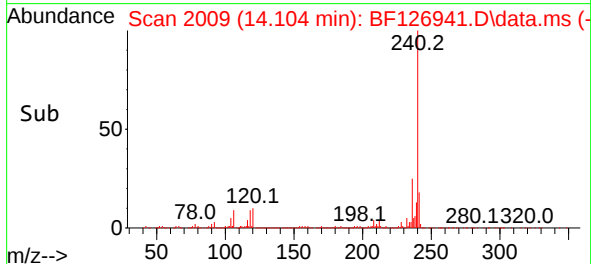
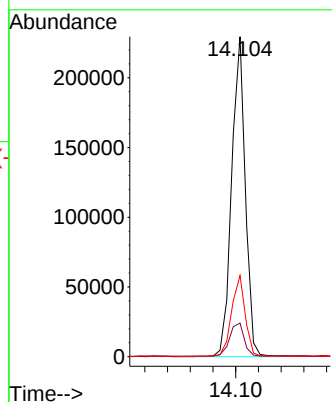
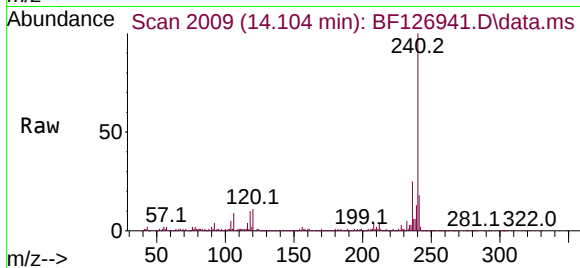




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.104 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: BF126941.D  
Acq: 17 Feb 2022 22:12

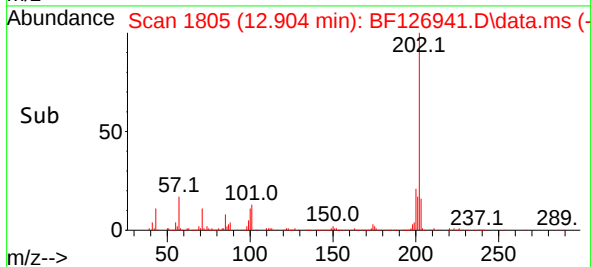
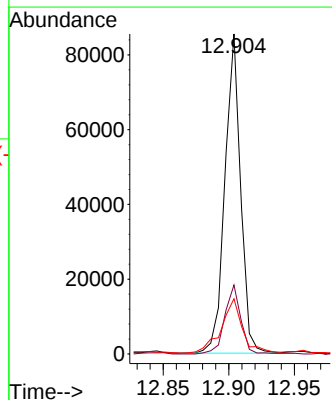
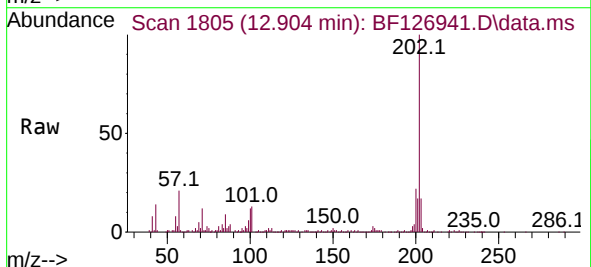
Instrument :  
BNA\_F  
ClientSampleId :  
PL-02-021622

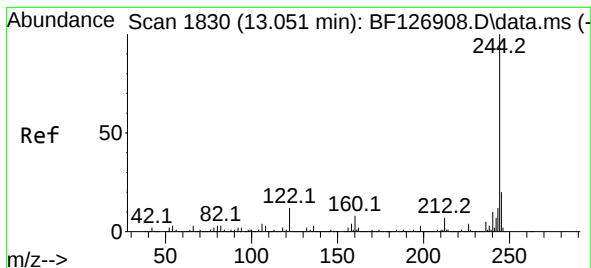
Tgt Ion:240 Resp: 191464  
Ion Ratio Lower Upper  
240 100  
120 10.5 14.4 21.6#  
236 25.4 20.5 30.7



#78  
Pyrene  
Concen: 4.265 ng  
RT: 12.904 min Scan# 1805  
Delta R.T. -0.006 min  
Lab File: BF126941.D  
Acq: 17 Feb 2022 22:12

Tgt Ion:202 Resp: 70948  
Ion Ratio Lower Upper  
202 100  
200 21.6 16.6 24.8  
203 17.3 13.8 20.8





#79

Terphenyl-d14

Concen: 10.034 ng

RT: 13.039 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF126941.D

Acq: 17 Feb 2022 22:12

Instrument :

BNA\_F

ClientSampleId :

PL-02-021622

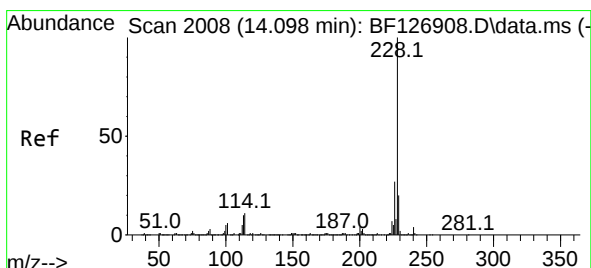
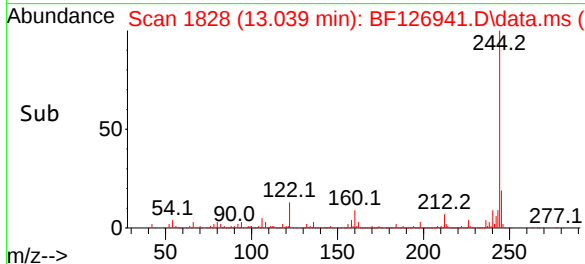
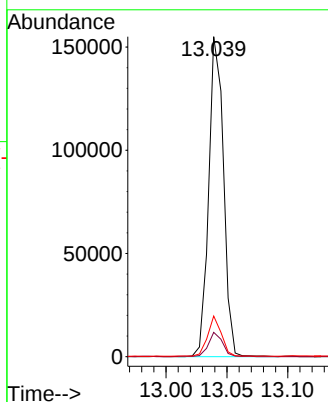
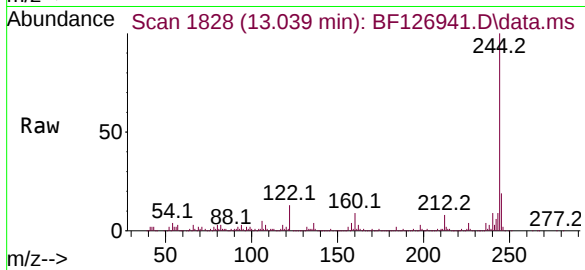
Tgt Ion:244 Resp: 130688

Ion Ratio Lower Upper

244 100

212 7.6 5.0 7.4#

122 12.7 13.3 19.9#



#81

Benzo(a)anthracene

Concen: 3.042 ng

RT: 14.092 min Scan# 2007

Delta R.T. -0.006 min

Lab File: BF126941.D

Acq: 17 Feb 2022 22:12

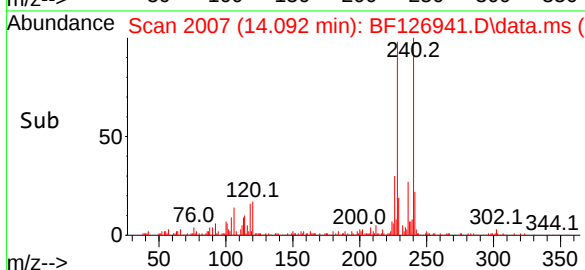
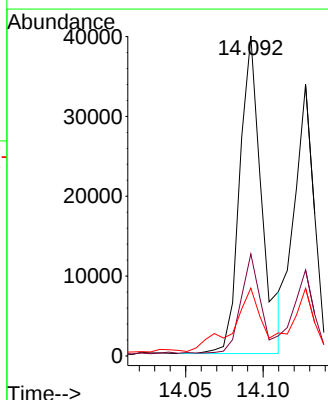
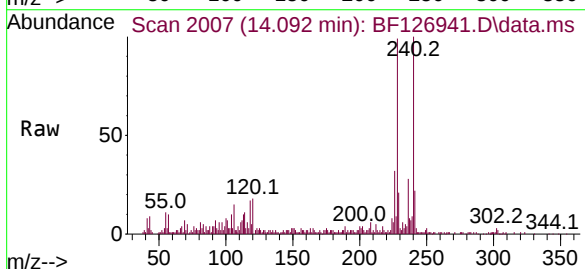
Tgt Ion:228 Resp: 39265

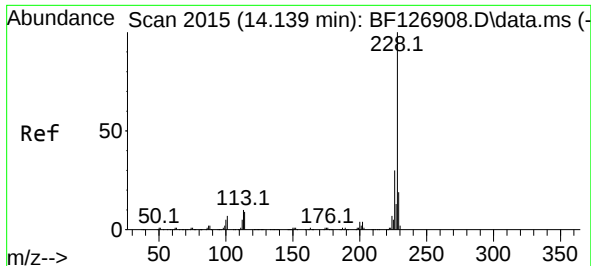
Ion Ratio Lower Upper

228 100

226 31.9 21.4 32.0

229 21.2 15.4 23.2





#83

Chrysene

Concen: 3.235 ng

RT: 14.092 min Scan# 2015

Delta R.T. -0.047 min

Lab File: BF126941.D

Acq: 17 Feb 2022 22:12

Instrument :

BNA\_F

ClientSampleId :

PL-02-021622

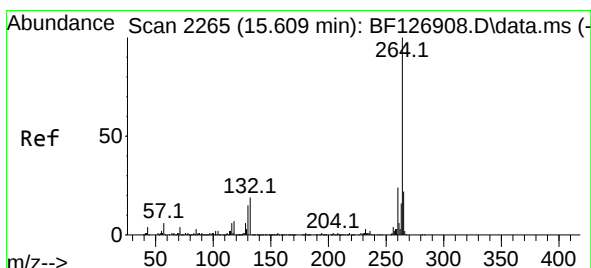
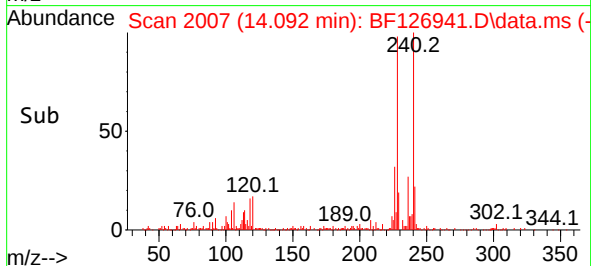
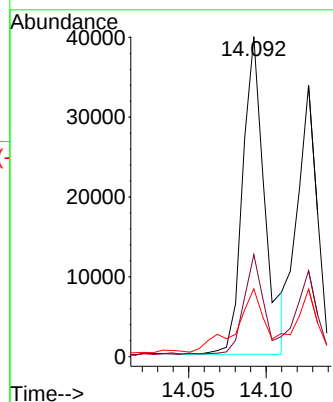
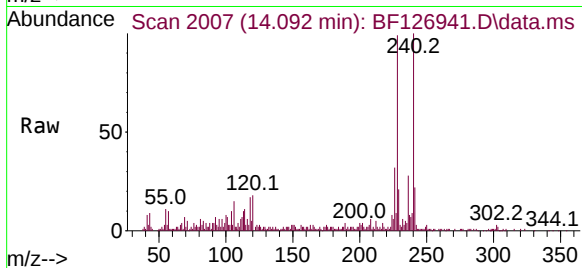
Tgt Ion:228 Resp: 39265

Ion Ratio Lower Upper

228 100

226 31.9 23.7 35.5

229 21.2 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.610 min Scan# 2265

Delta R.T. 0.000 min

Lab File: BF126941.D

Acq: 17 Feb 2022 22:12

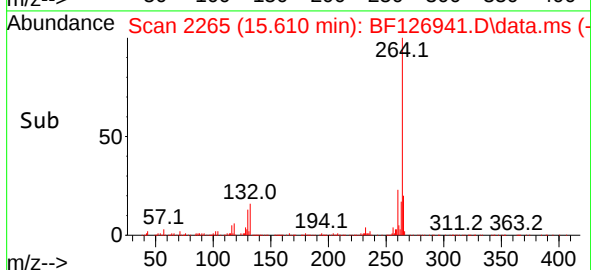
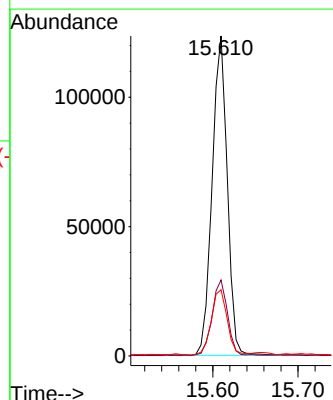
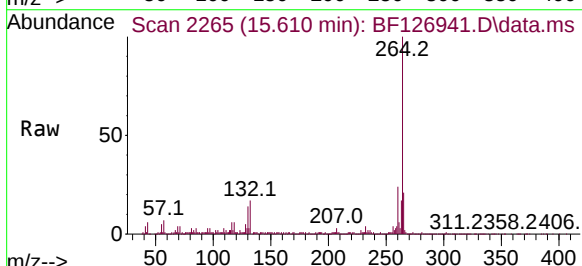
Tgt Ion:264 Resp: 152113

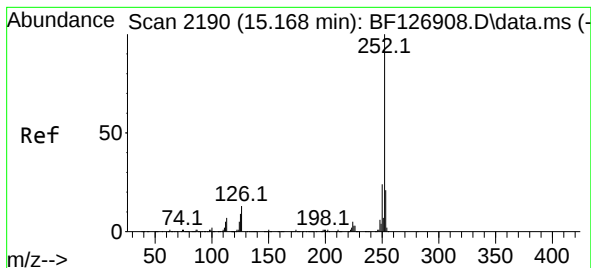
Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 20.7 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 5.407 ng

RT: 15.163 min Scan# 2190

Delta R.T. -0.006 min

Lab File: BF126941.D

Acq: 17 Feb 2022 22:12

Instrument :

BNA\_F

ClientSampleId :

PL-02-021622

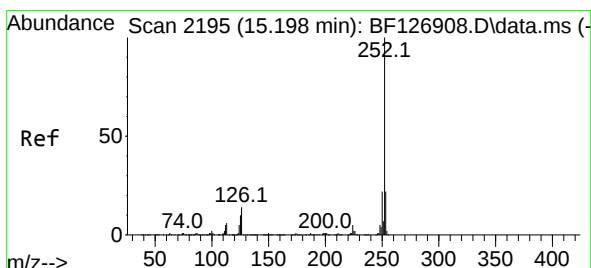
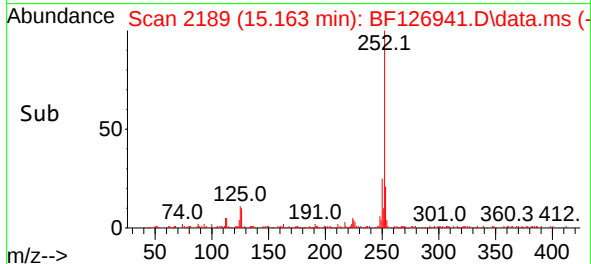
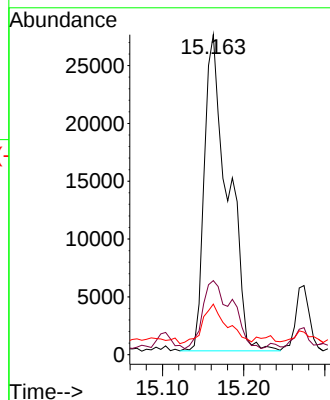
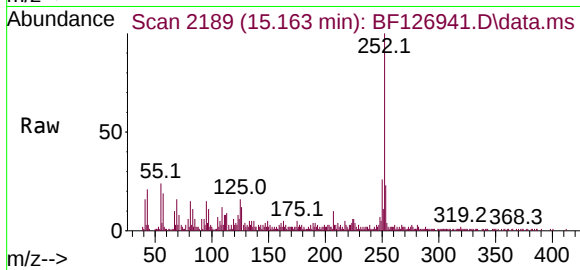
Tgt Ion:252 Resp: 55241

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

125 15.8 12.4 18.6



#89

Benzo(k)fluoranthene

Concen: 5.606 ng

RT: 15.163 min Scan# 2189

Delta R.T. -0.035 min

Lab File: BF126941.D

Acq: 17 Feb 2022 22:12

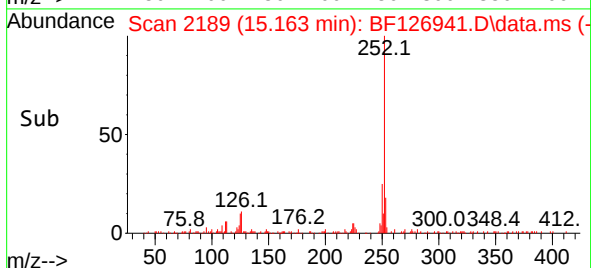
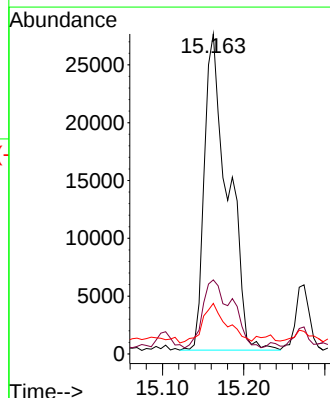
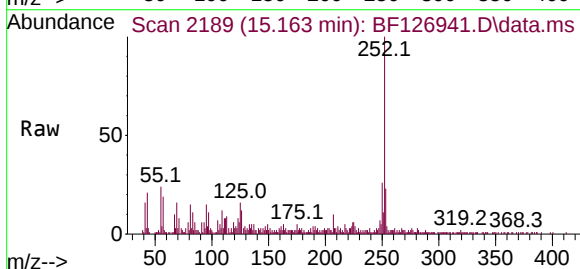
Tgt Ion:252 Resp: 55241

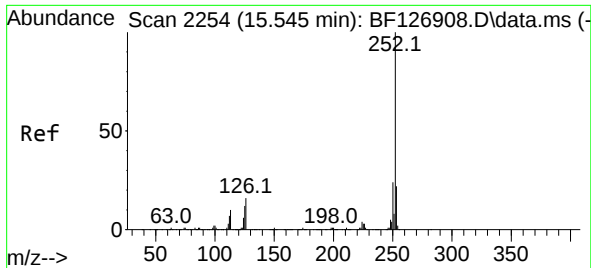
Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 15.8 11.8 17.6





#90

Benzo(a)pyrene

Concen: 3.460 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF126941.D

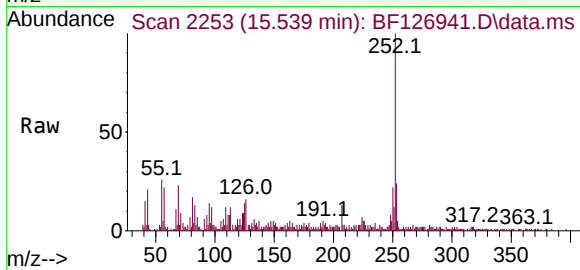
Acq: 17 Feb 2022 22:12

Instrument :

BNA\_F

ClientSampleId :

PL-02-021622



Tgt Ion:252 Resp: 27615

Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

125 13.5 13.0 19.6

