

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF080320\  
 Data File : BF121173.D  
 Acq On : 3 Aug 2020 11:34  
 Operator : JU/CG  
 Sample : L3511-03  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1

Quant Time: Aug 03 12:48:50 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF071620.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 29 14:55:43 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.79  | 152  | 135038   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.07  | 136  | 514393   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.83  | 164  | 271071   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.32 | 188  | 533638   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.96 | 240  | 482874   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.42 | 264  | 481259   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.42  | 112  | 834853   | 101.35 | ng    | 0.00     |
| 7) Phenol-d6                | 6.43  | 99   | 926406   | 87.06  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 731142   | 82.24  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.63 | 330  | 364723   | 122.92 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.16  | 172  | 1277166  | 70.35  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.91 | 244  | 1461385  | 65.79  | ng    | 0.00     |

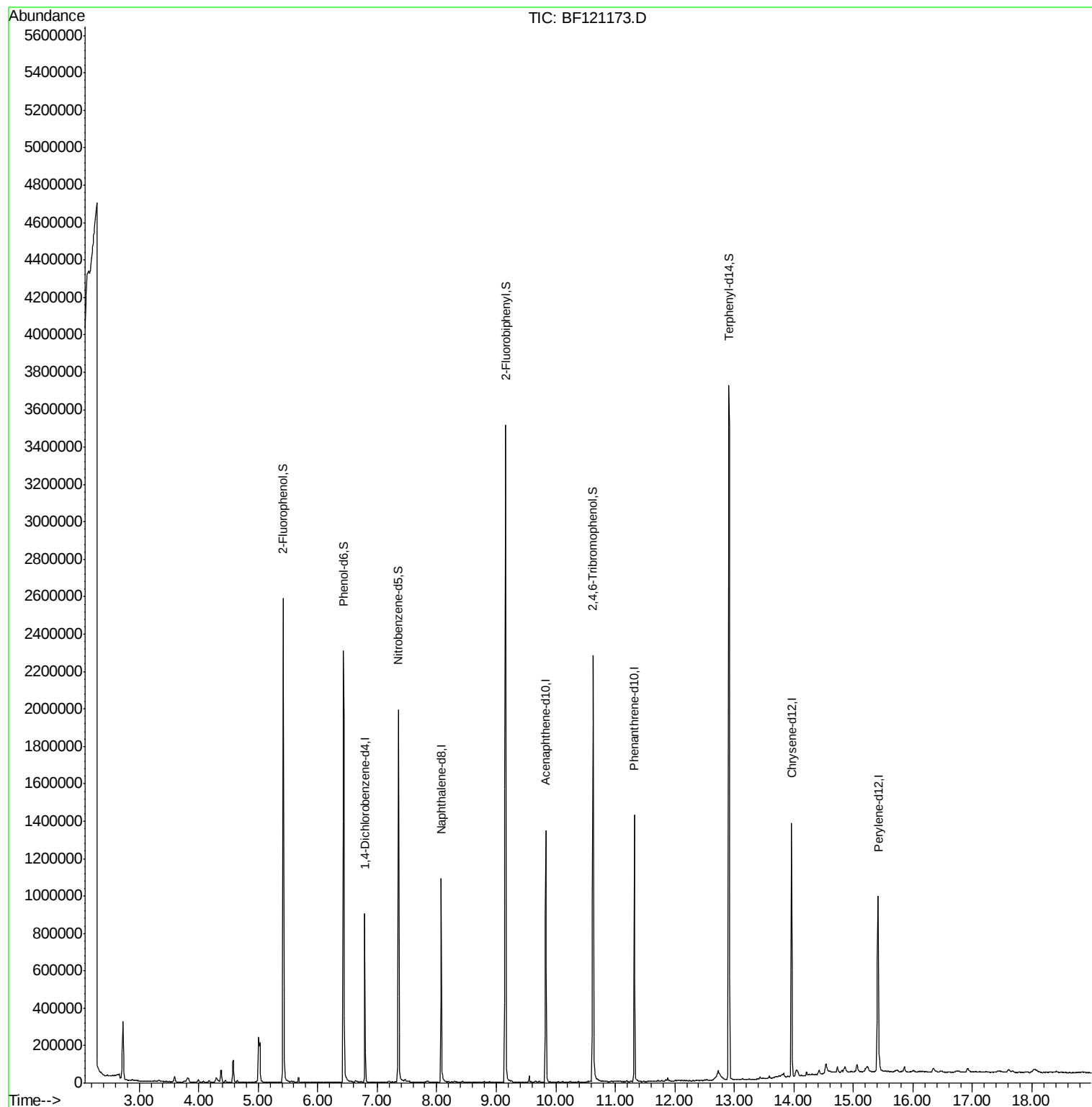
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF080320\  
Data File : BF121173.D  
Acq On : 3 Aug 2020 11:34  
Operator : JU/CG  
Sample : L3511-03  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

Quant Time: Aug 03 12:48:50 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF071620.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 29 14:55:43 2020  
Response via : Initial Calibration



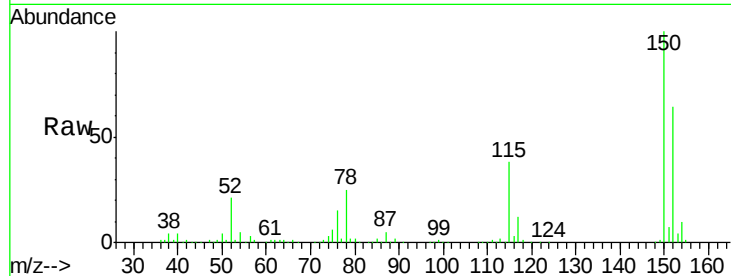


#1

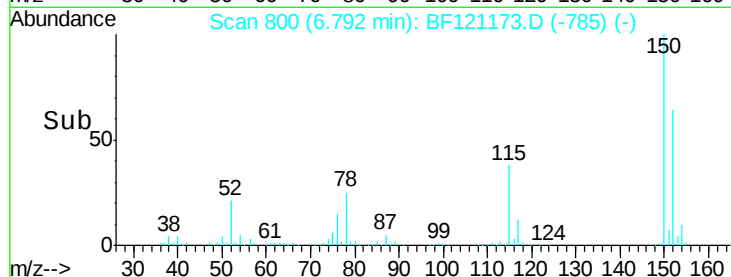
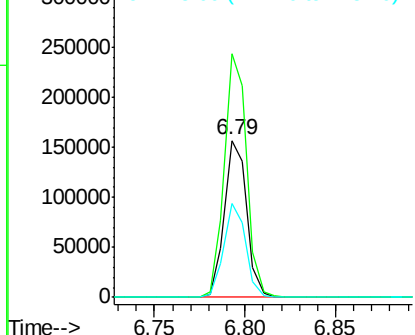
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.79 min Scan# 800  
Delta R.T. -0.01 min  
Lab File: BF121173.D  
Acq: 3 Aug 2020 11:34

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

Tgt Ion:152 Resp: 135038  
Ion Ratio Lower Upper  
152 100  
150 155.2 125.6 188.4  
115 59.6 46.2 69.2



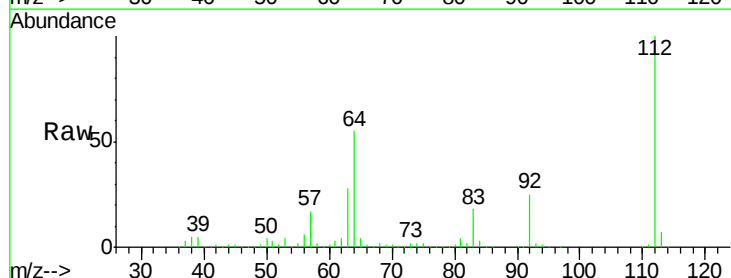
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



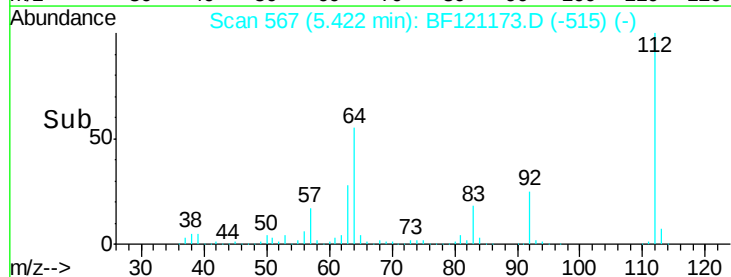
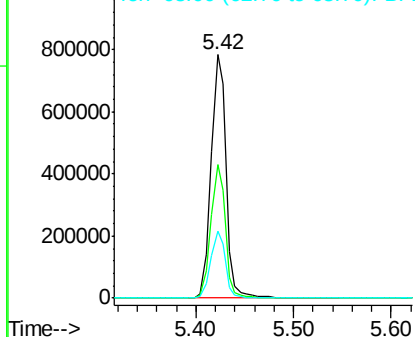
#5

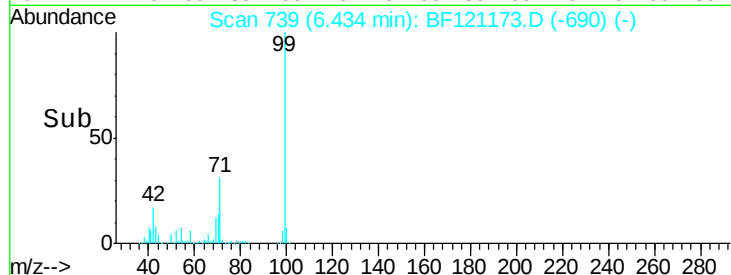
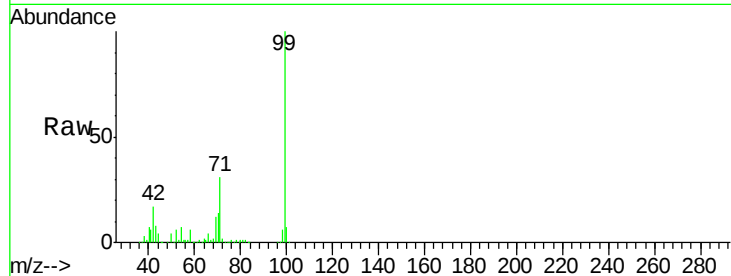
2-Fluorophenol  
Concen: 101.351 ng  
RT: 5.42 min Scan# 567  
Delta R.T. 0.01 min  
Lab File: BF121173.D  
Acq: 3 Aug 2020 11:34

Tgt Ion:112 Resp: 834853  
Ion Ratio Lower Upper  
112 100  
64 55.0 43.9 65.9  
63 27.7 22.7 34.1



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 87.065 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121173.D

Acq: 3 Aug 2020 11:34

Instrument :

BNA\_F

ClientSampleId :

TP-1

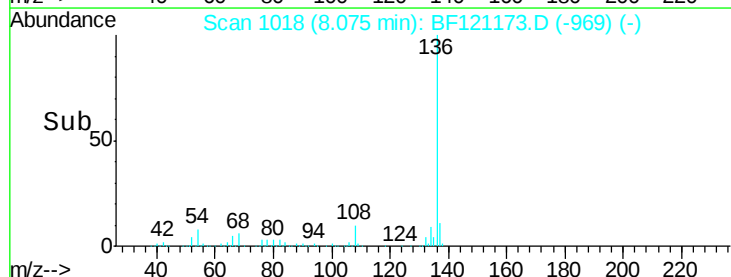
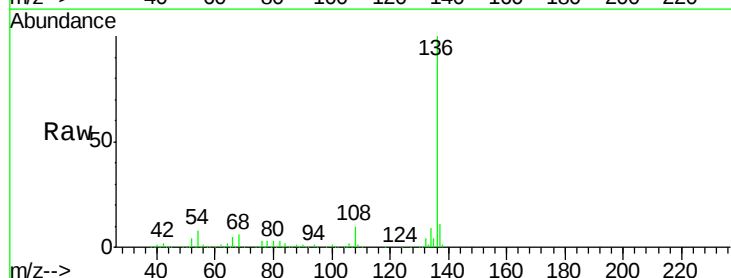
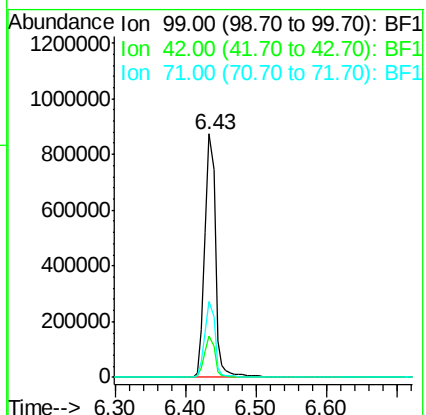
Tgt Ion: 99 Resp: 926406

Ion Ratio Lower Upper

99 100

42 16.9 13.5 20.3

71 31.4 25.0 37.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF121173.D

Acq: 3 Aug 2020 11:34

Tgt Ion: 136 Resp: 514393

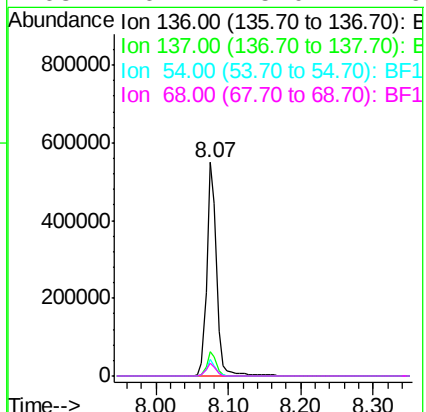
Ion Ratio Lower Upper

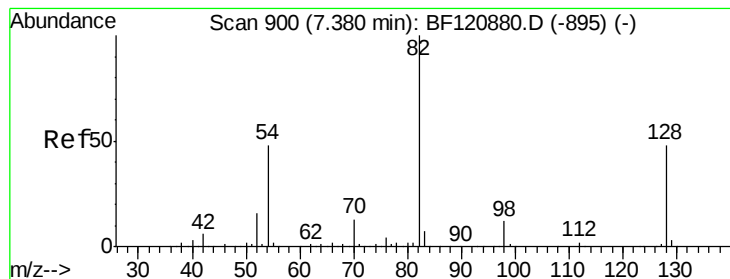
136 100

137 11.3 9.0 13.4

54 7.6 6.1 9.1

68 6.1 5.0 7.6





#23

Nitrobenzene-d5

Concen: 82.245 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.02 min

Lab File: BF121173.D

Acq: 3 Aug 2020 11:34

Instrument :

BNA\_F

ClientSampleId :

TP-1

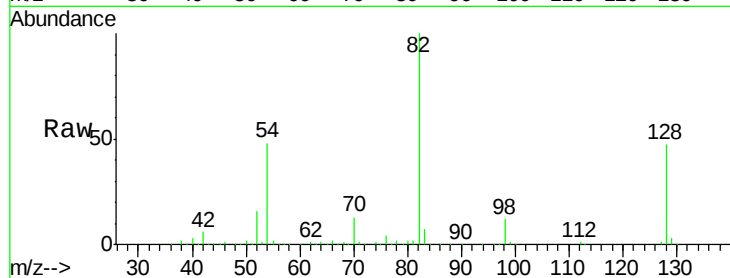
Tgt Ion: 82 Resp: 731142

Ion Ratio Lower Upper

82 100

128 46.6 39.2 58.8

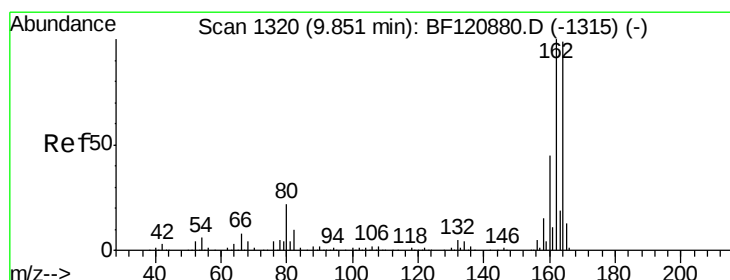
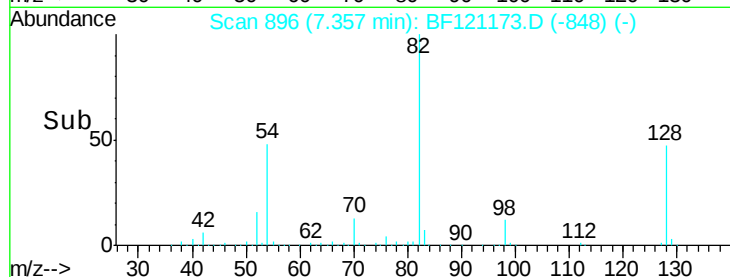
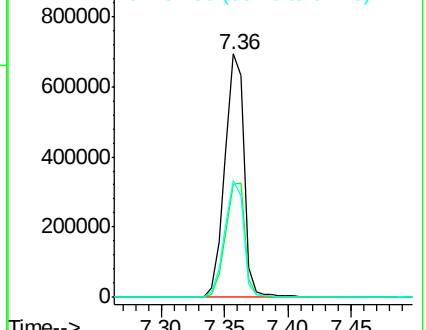
54 48.3 37.8 56.8



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF121173.D

Acq: 3 Aug 2020 11:34

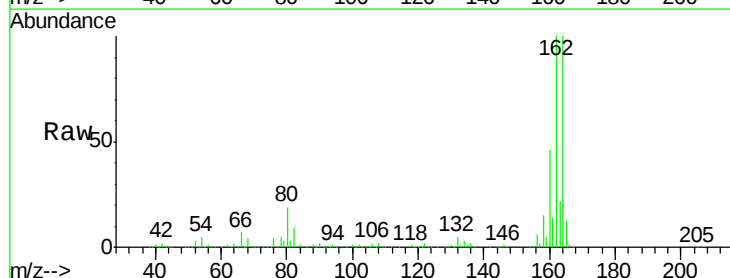
Tgt Ion: 164 Resp: 271071

Ion Ratio Lower Upper

164 100

162 100.4 82.2 123.2

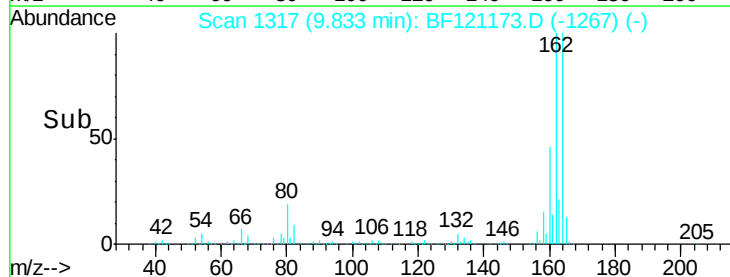
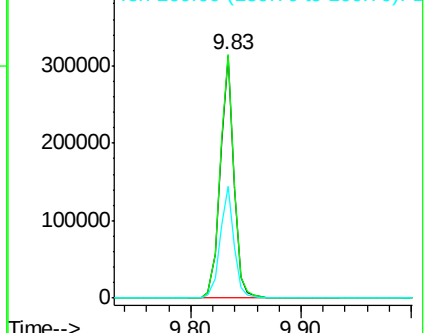
160 46.1 37.2 55.8



Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

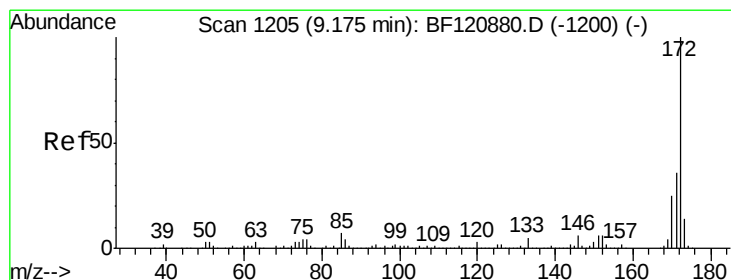
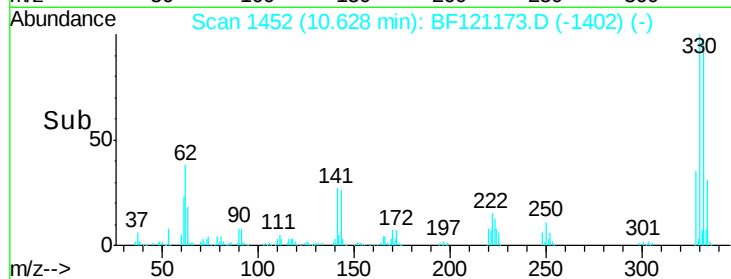
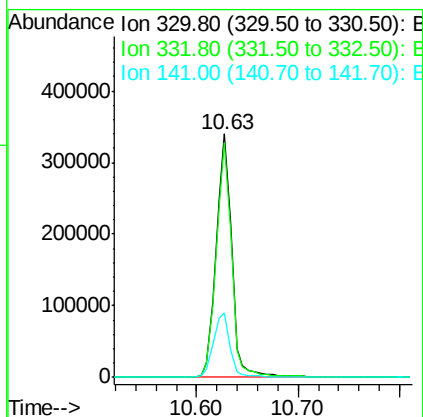
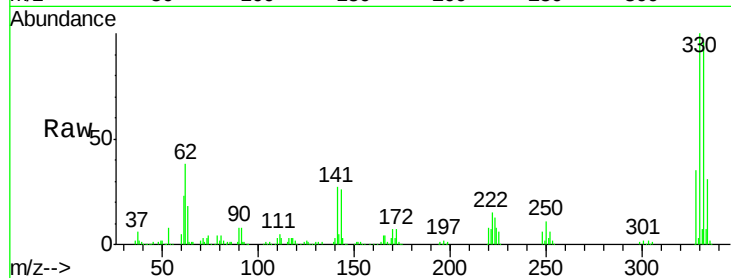




#42  
 2,4,6-Tribromophenol  
 Concen: 122.921 ng  
 RT: 10.63 min Scan# 1452  
 Delta R.T. -0.01 min  
 Lab File: BF121173.D  
 Acq: 3 Aug 2020 11:34

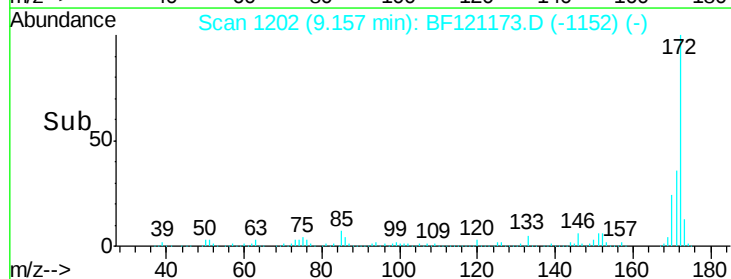
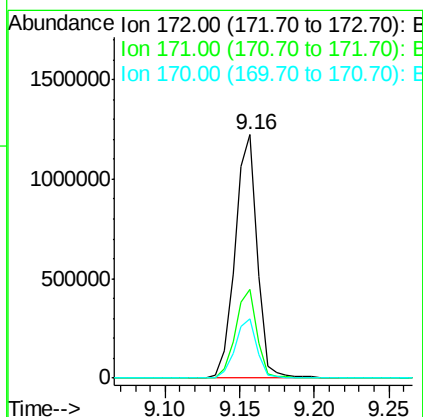
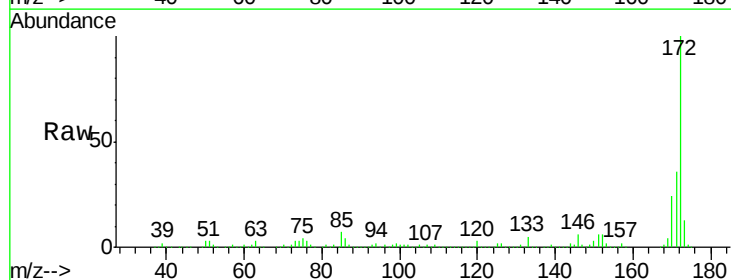
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1

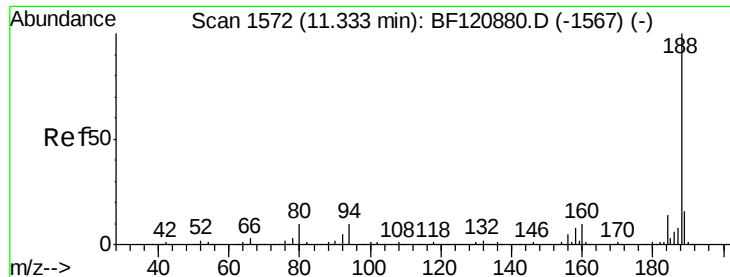
Tgt Ion:330 Resp: 364723  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 76.1 114.1  
 141 28.9 24.1 36.1



#45  
 2-Fluorobiphenyl  
 Concen: 70.346 ng  
 RT: 9.16 min Scan# 1202  
 Delta R.T. -0.01 min  
 Lab File: BF121173.D  
 Acq: 3 Aug 2020 11:34

Tgt Ion:172 Resp: 1277166  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 29.0 43.4  
 170 24.4 19.6 29.4

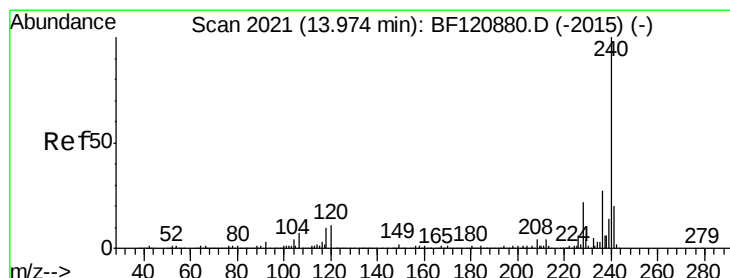
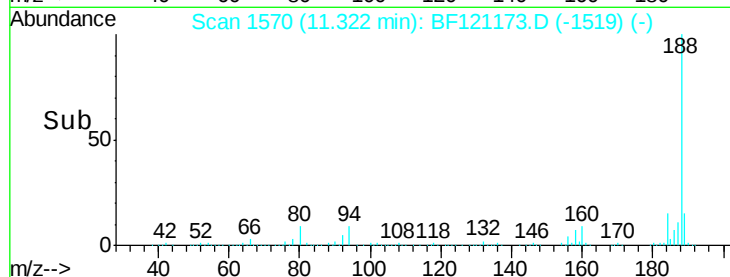
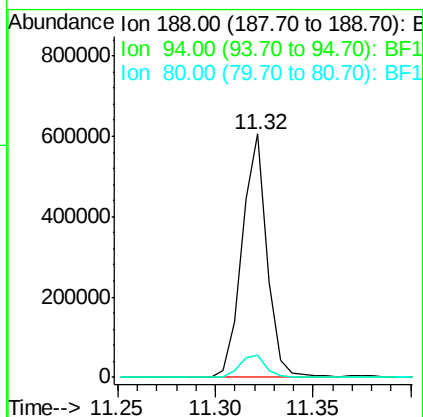
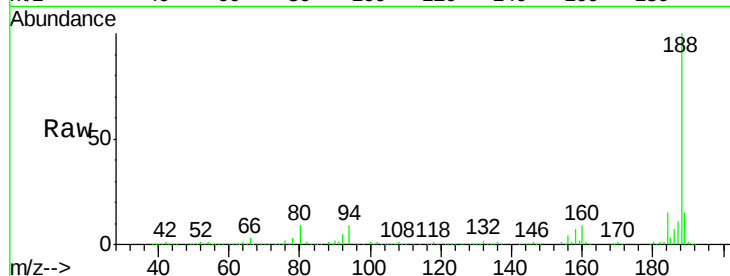




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.32 min Scan# 1570  
Delta R.T. 0.00 min  
Lab File: BF121173.D  
Acq: 3 Aug 2020 11:34

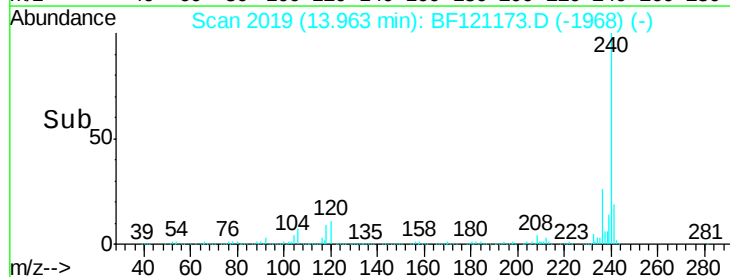
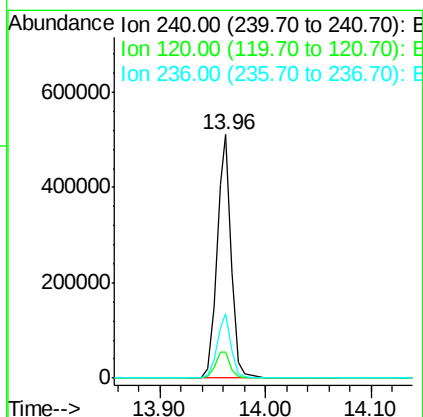
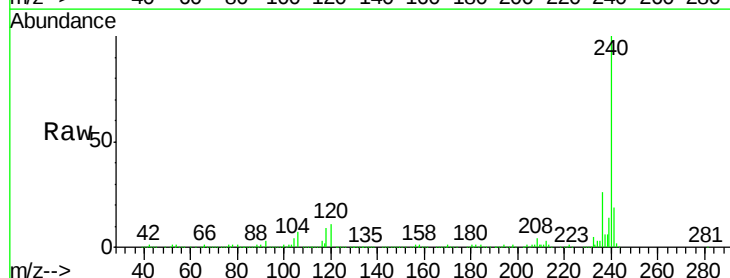
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

Tgt Ion:188 Resp: 533638  
Ion Ratio Lower Upper  
188 100  
94 9.0 8.0 12.0  
80 9.1 8.3 12.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.96 min Scan# 2019  
Delta R.T. 0.00 min  
Lab File: BF121173.D  
Acq: 3 Aug 2020 11:34

Tgt Ion:240 Resp: 482874  
Ion Ratio Lower Upper  
240 100  
120 10.6 9.3 13.9  
236 26.4 21.1 31.7

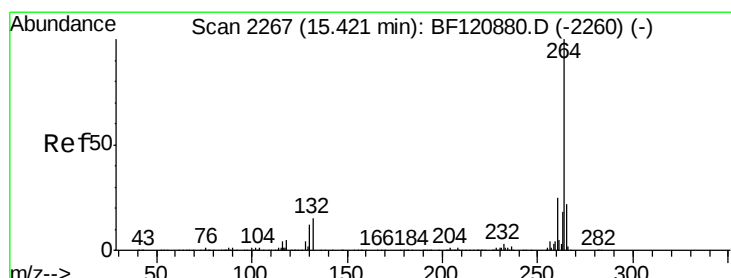
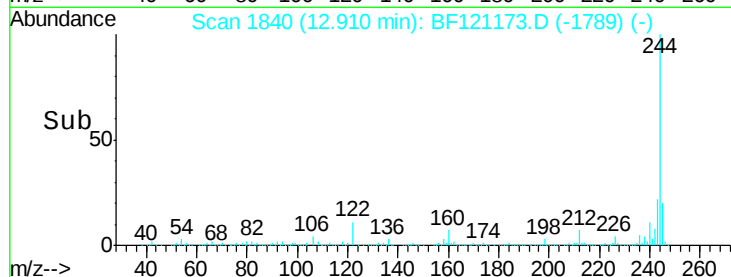
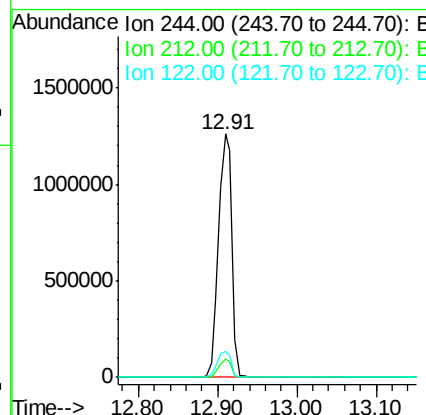
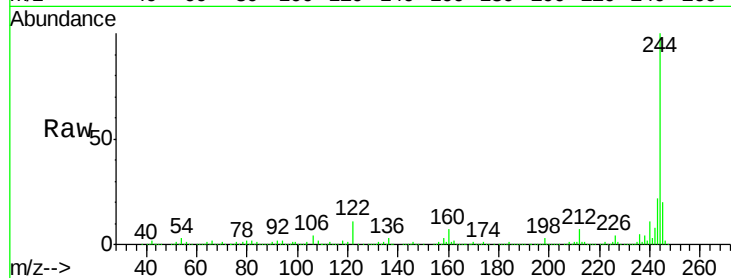




#79  
 Terphenyl-d14  
 Concen: 65.788 ng  
 RT: 12.91 min Scan# 1840  
 Delta R.T. 0.00 min  
 Lab File: BF121173.D  
 Acq: 3 Aug 2020 11:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1

Tgt Ion:244 Resp: 1461385  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.7 8.5  
 122 10.7 8.3 12.5



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.42 min Scan# 2266  
 Delta R.T. 0.01 min  
 Lab File: BF121173.D  
 Acq: 3 Aug 2020 11:34

Tgt Ion:264 Resp: 481259  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.9 29.9  
 265 21.3 17.8 26.8

