

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\  
 Data File : BF121337.D  
 Acq On : 20 Aug 2020 10:08  
 Operator : JU/CG  
 Sample : L3712-11 5X  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHRT-25433

Quant Time: Aug 20 11:24:47 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 20 04:56:10 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.69  | 152  | 154620   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.97  | 136  | 598232   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.72  | 164  | 309044   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.21 | 188  | 511864   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.84 | 240  | 570426   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.24 | 264  | 530022   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.29  | 112  | 155946   | 16.54 | ng    | 0.00     |
| 7) Phenol-d6                | 6.33  | 99   | 191793   | 15.93 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.25  | 82   | 111527   | 10.54 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.51 | 330  | 53453    | 14.84 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.05  | 172  | 217191   | 0.66  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.79 | 244  | 255075   | 8.74  | ng    | 0.00     |

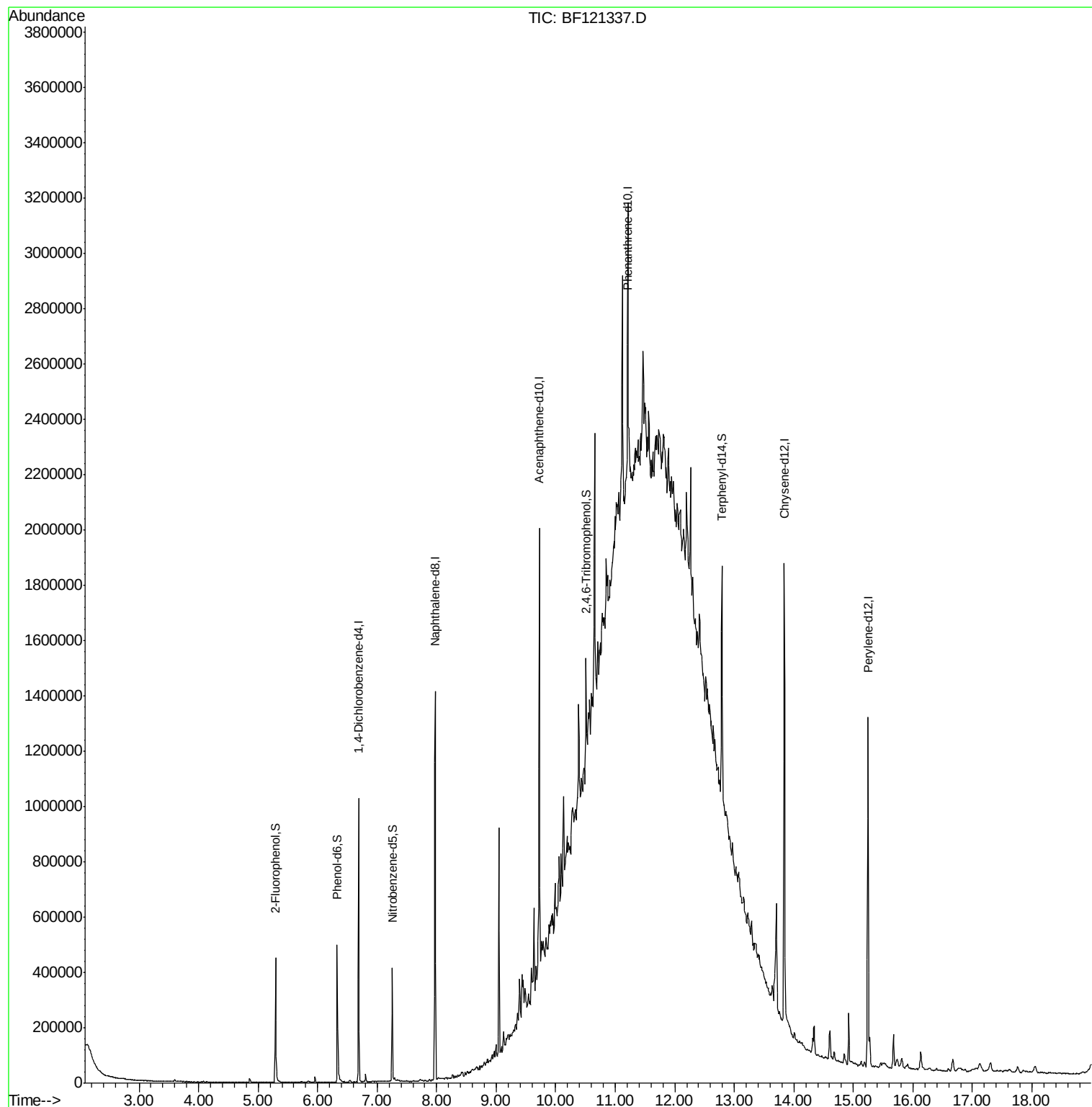
Target Compounds Qvalue

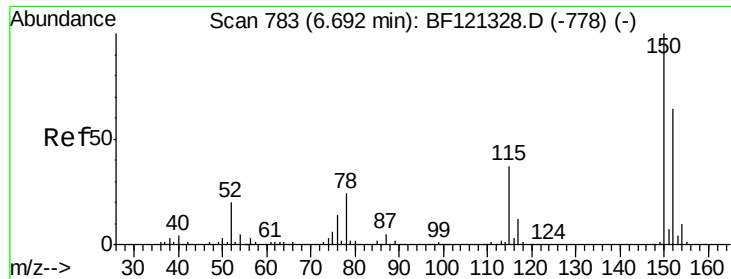
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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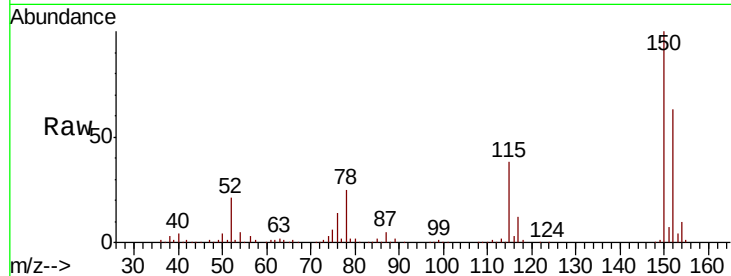


#1

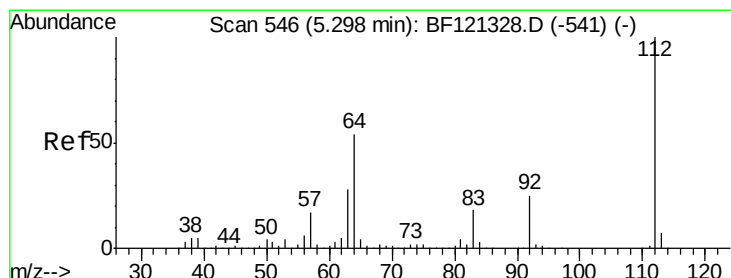
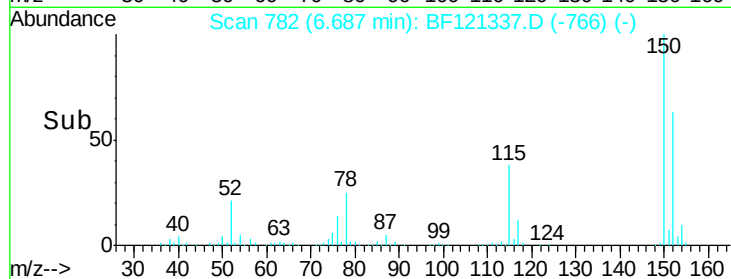
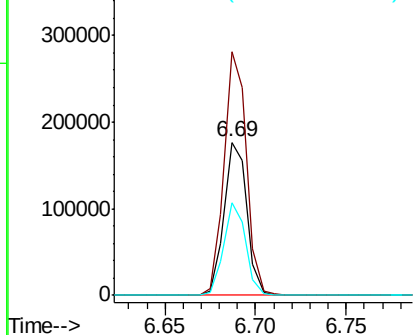
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.69 min Scan# 782  
 Delta R.T. -0.01 min  
 Lab File: BF121337.D  
 Acq: 20 Aug 2020 10:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHRT-25433

Tot Ion:152 Resp: 154620  
 Ion Ratio Lower Upper  
 152 100  
 150 159.3 124.8 187.2  
 115 60.2 46.1 69.1



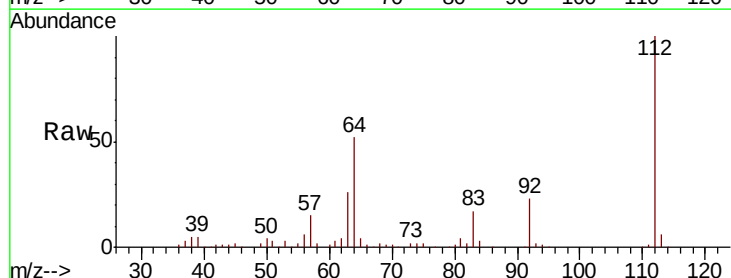
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



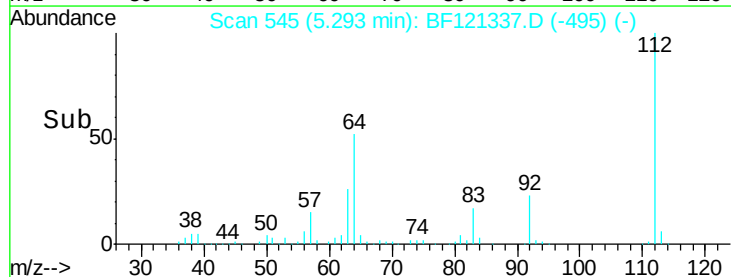
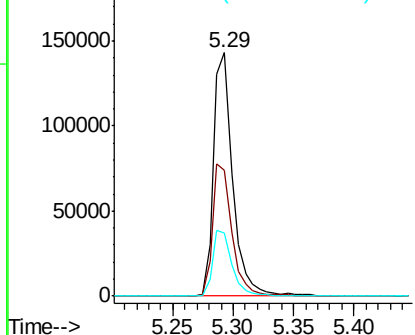
#5

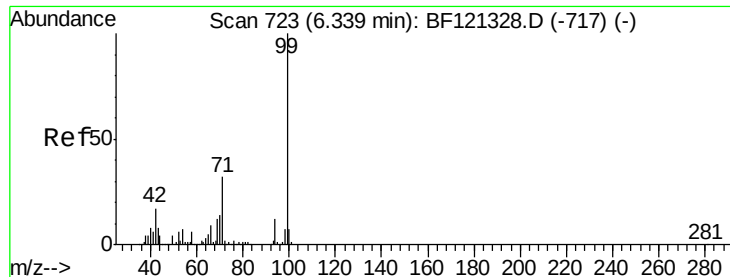
2-Fluorophenol  
 Concen: 16.538 ng  
 RT: 5.29 min Scan# 545  
 Delta R.T. -0.01 min  
 Lab File: BF121337.D  
 Acq: 20 Aug 2020 10:08

Tgt Ion:112 Resp: 155946  
 Ion Ratio Lower Upper  
 112 100  
 64 51.7 43.5 65.3  
 63 26.0 22.0 33.0



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: 15.933 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF121337.D

Acq: 20 Aug 2020 10:08

Instrument :

BNA\_F

ClientSampleId :

CHRT-25433

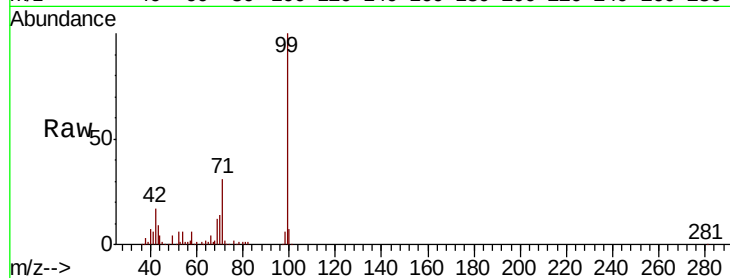
Tot Ion: 99 Resp: 191793

Ion Ratio Lower Upper

99 100

42 17.3 13.5 20.3

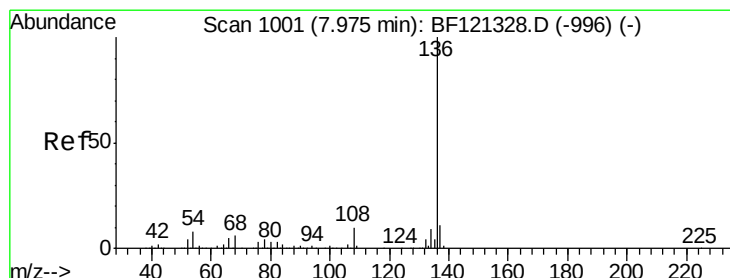
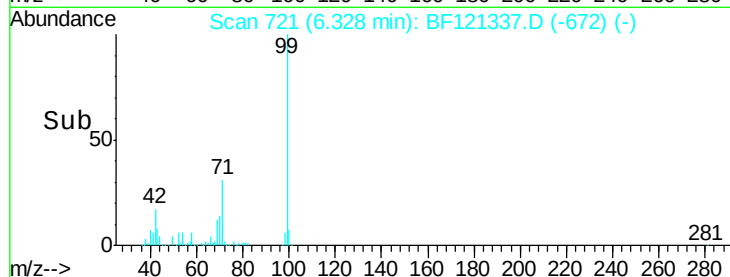
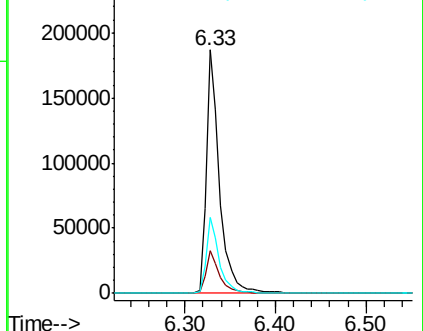
71 31.1 25.2 37.8



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BF121337.D

Acq: 20 Aug 2020 10:08

Tgt Ion: 136 Resp: 598232

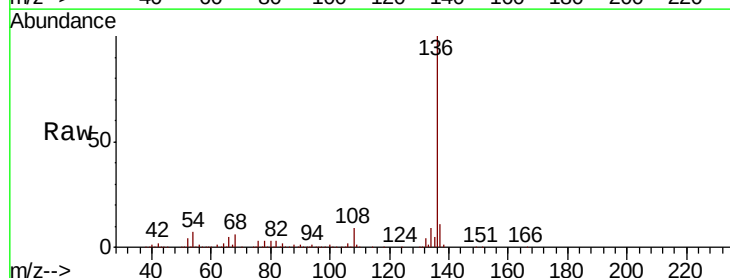
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.8 6.1 9.1

68 5.8 5.0 7.4

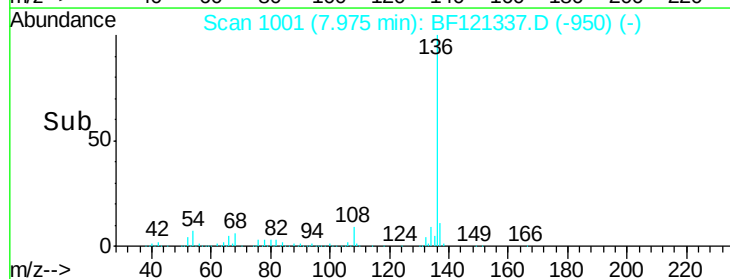
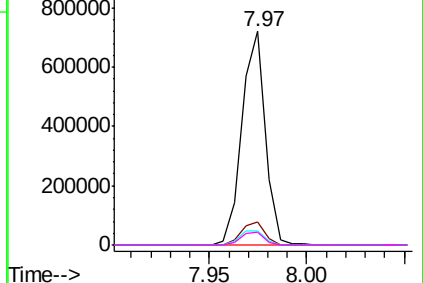


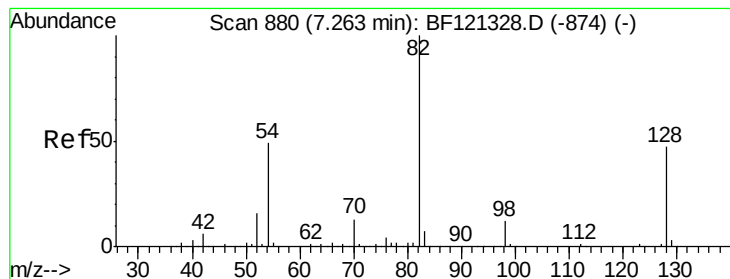
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 10.544 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF121337.D

Acq: 20 Aug 2020 10:08

Instrument :

BNA\_F

ClientSampleId :

CHRT-25433

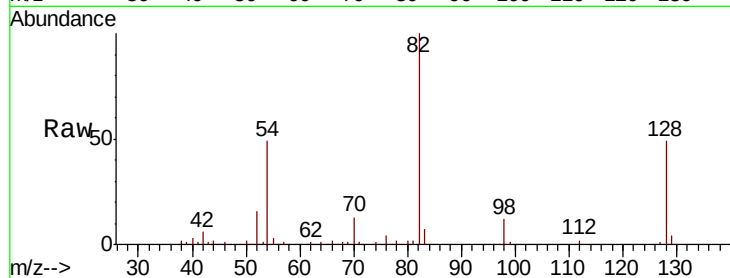
Tot Ion: 82 Resp: 111527

Ion Ratio Lower Upper

82 100

128 49.2 37.9 56.9

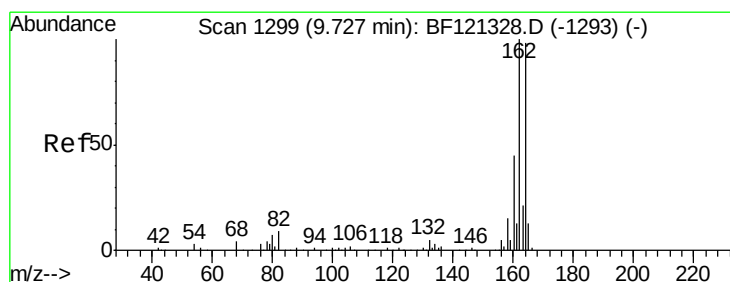
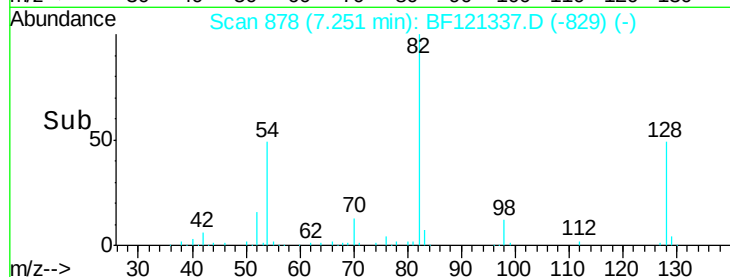
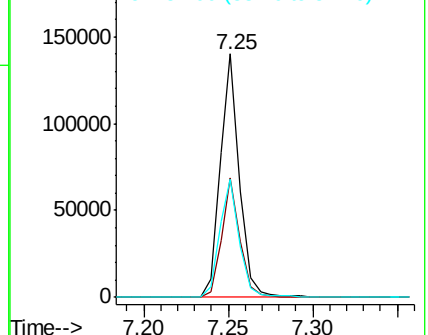
54 48.7 39.0 58.4



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: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF121337.D

Acq: 20 Aug 2020 10:08

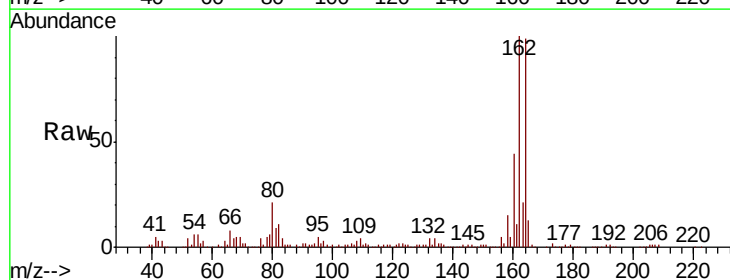
Tgt Ion:164 Resp: 309044

Ion Ratio Lower Upper

164 100

162 101.1 81.7 122.5

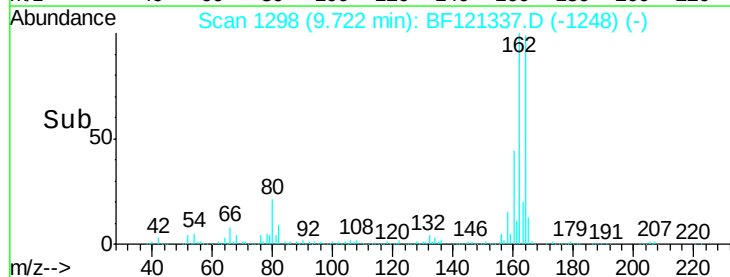
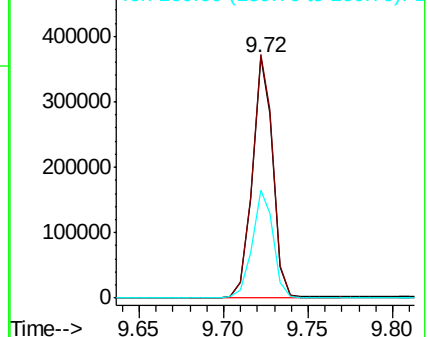
160 44.7 37.0 55.4

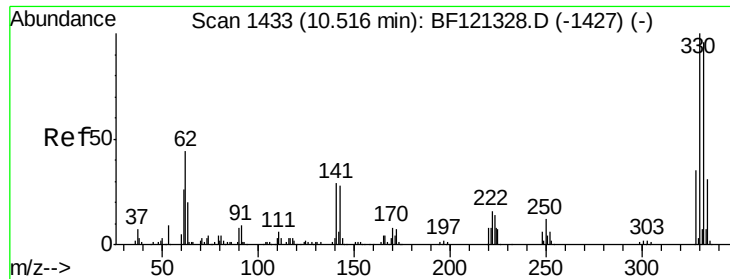


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

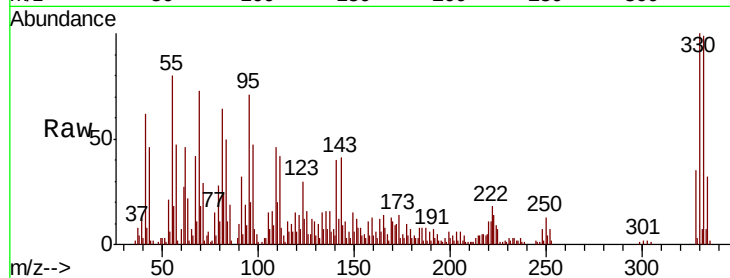




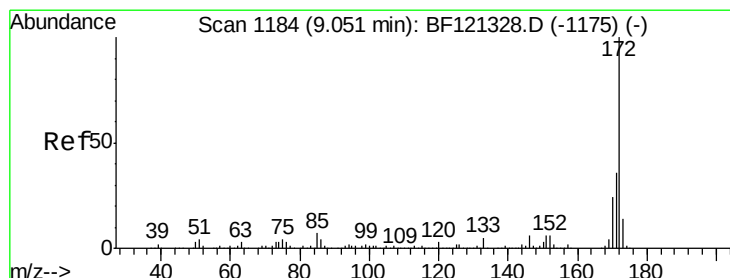
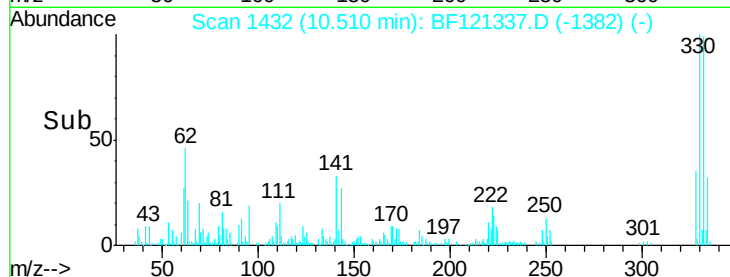
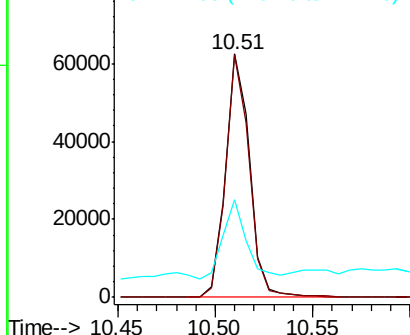
#42  
 2,4,6-Tribromophenol  
 Concen: 14.843 ng  
 RT: 10.51 min Scan# 1432  
 Delta R.T. -0.01 min  
 Lab File: BF121337.D  
 Acq: 20 Aug 2020 10:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHRT-25433

Tot Ion:330 Resp: 53453  
 Ion Ratio Lower Upper  
 330 100  
 332 97.3 76.9 115.3  
 141 31.2 22.8 34.2

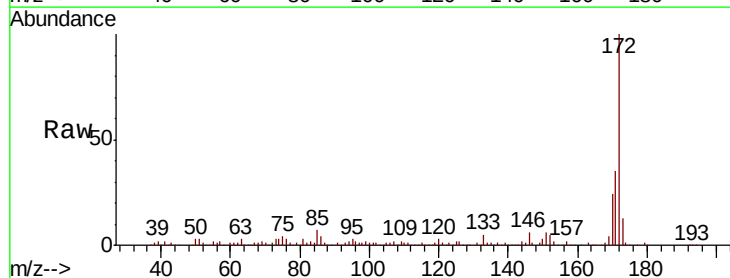


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

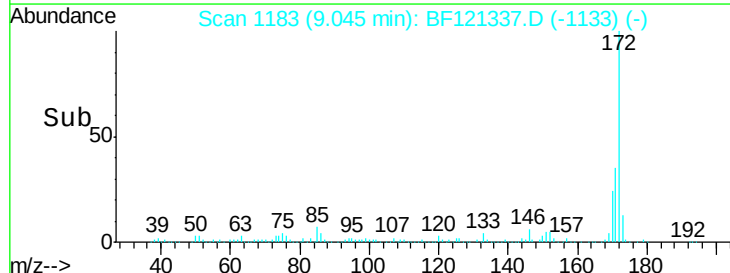
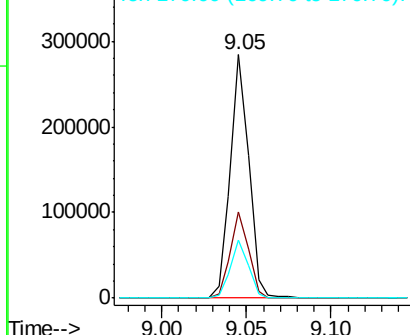


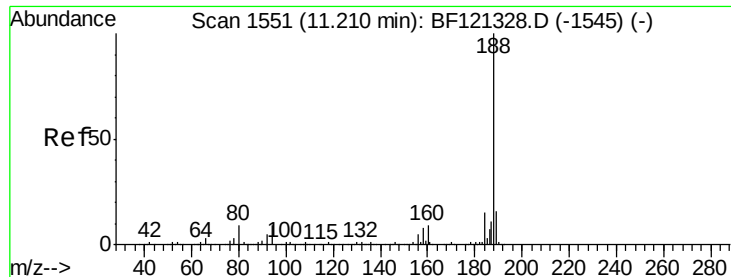
#45  
 2-Fluorobiphenyl  
 Concen: 0.665 ng  
 RT: 9.05 min Scan# 1183  
 Delta R.T. -0.01 min  
 Lab File: BF121337.D  
 Acq: 20 Aug 2020 10:08

Tgt Ion:172 Resp: 217191  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 29.0 43.6  
 170 24.0 19.4 29.2



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

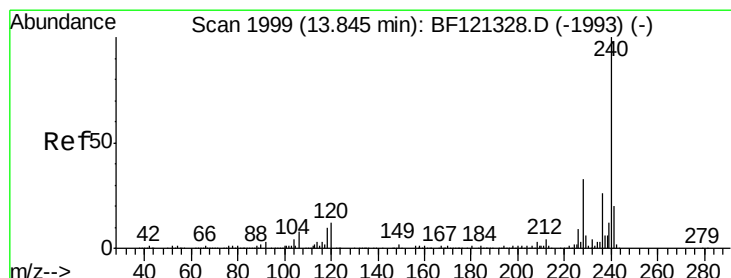
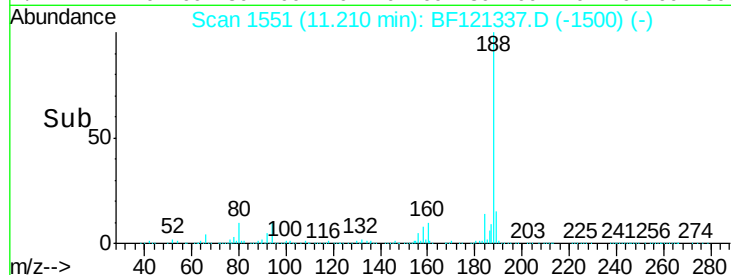
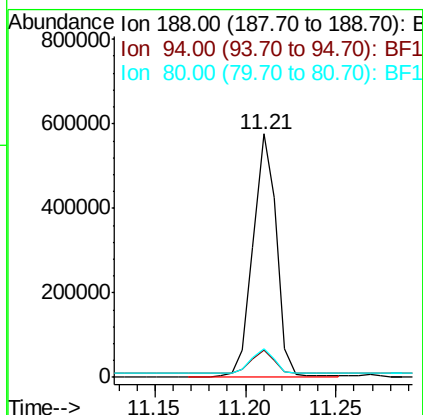
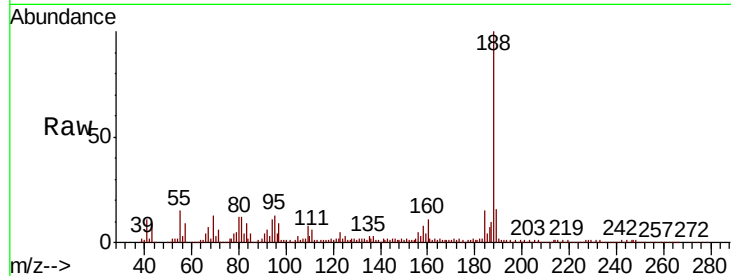




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.21 min Scan# 1551  
Delta R.T. 0.00 min  
Lab File: BF121337.D  
Acq: 20 Aug 2020 10:08

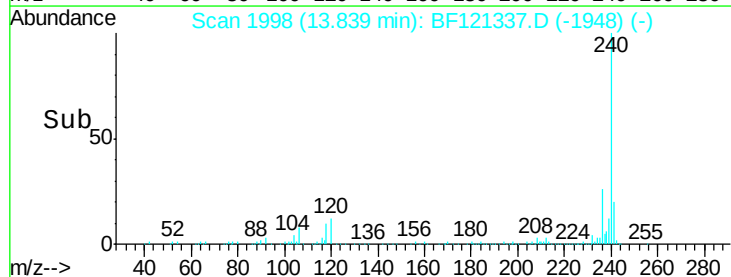
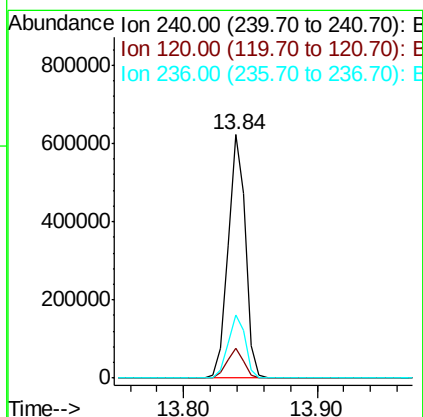
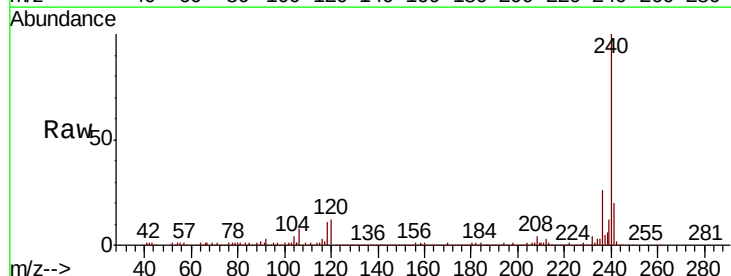
Instrument :  
BNA\_F  
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CHRT-25433

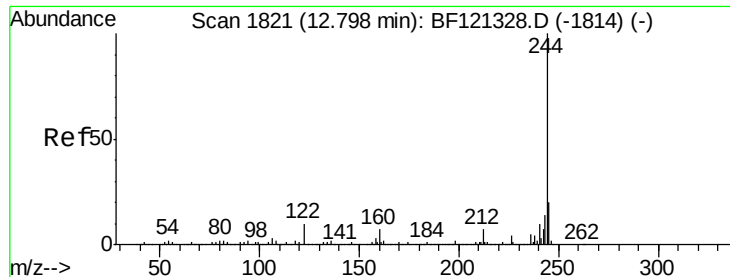
Tot Ion:188 Resp: 511864  
Ion Ratio Lower Upper  
188 100  
94 11.3 7.2 10.8#  
80 11.5 7.4 11.0#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.84 min Scan# 1998  
Delta R.T. -0.01 min  
Lab File: BF121337.D  
Acq: 20 Aug 2020 10:08

Tgt Ion:240 Resp: 570426  
Ion Ratio Lower Upper  
240 100  
120 12.4 9.6 14.4  
236 26.0 20.6 31.0

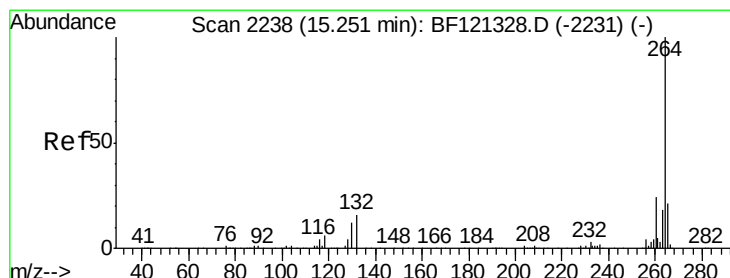
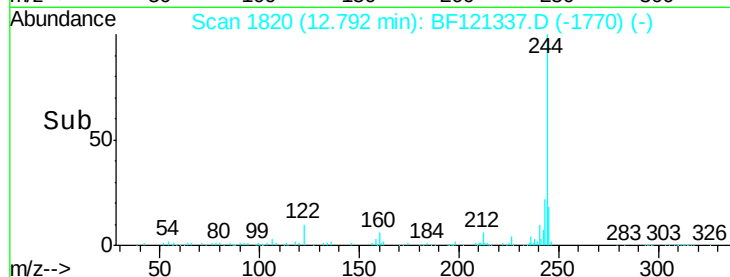
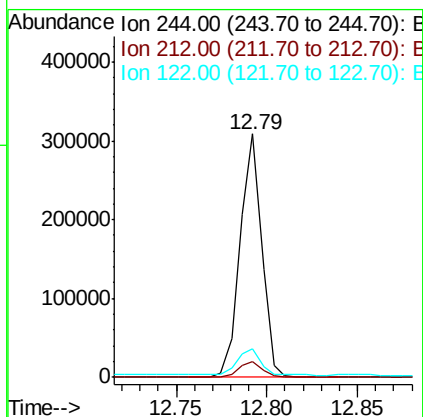
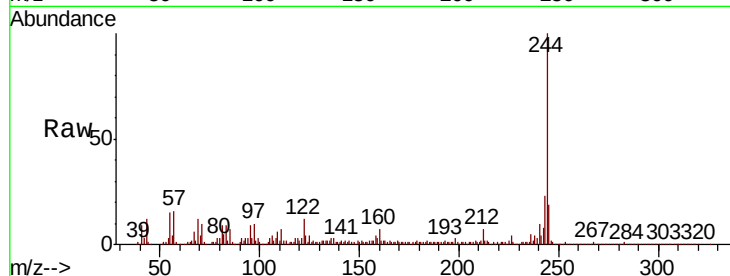




#79  
 Terphenyl-d14  
 Concen: 8.738 ng  
 RT: 12.79 min Scan# 1820  
 Delta R.T. -0.00 min  
 Lab File: BF121337.D  
 Acq: 20 Aug 2020 10:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHRT-25433

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.7   | 5.4   | 8.0   |
| 122     | 11.7  | 7.8   | 11.8  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.24 min Scan# 2237  
 Delta R.T. -0.01 min  
 Lab File: BF121337.D  
 Acq: 20 Aug 2020 10:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.6  | 19.5  | 29.3  |
| 265     | 22.0  | 17.1  | 25.7  |

