

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071620\  
 Data File : BF120889.D  
 Acq On : 16 Jul 2020 16:57  
 Operator : JU/CG  
 Sample : L3183-10  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OK-01-071420

Quant Time: Jul 17 05:09:22 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 16 14:20:32 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.82  | 152  | 160413   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.10  | 136  | 610908   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.85  | 164  | 320241   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.33 | 188  | 650318   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 13.97 | 240  | 564772   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.41 | 264  | 506560   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.43  | 112  | 951465   | 97.24  | ng    | 0.00     |
| 7) Phenol-d6                | 6.44  | 99   | 1028413  | 81.36  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 816523   | 77.34  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.64 | 330  | 402166   | 114.73 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.17  | 172  | 1392107  | 64.90  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.92 | 244  | 1657139  | 63.78  | ng    | 0.00     |

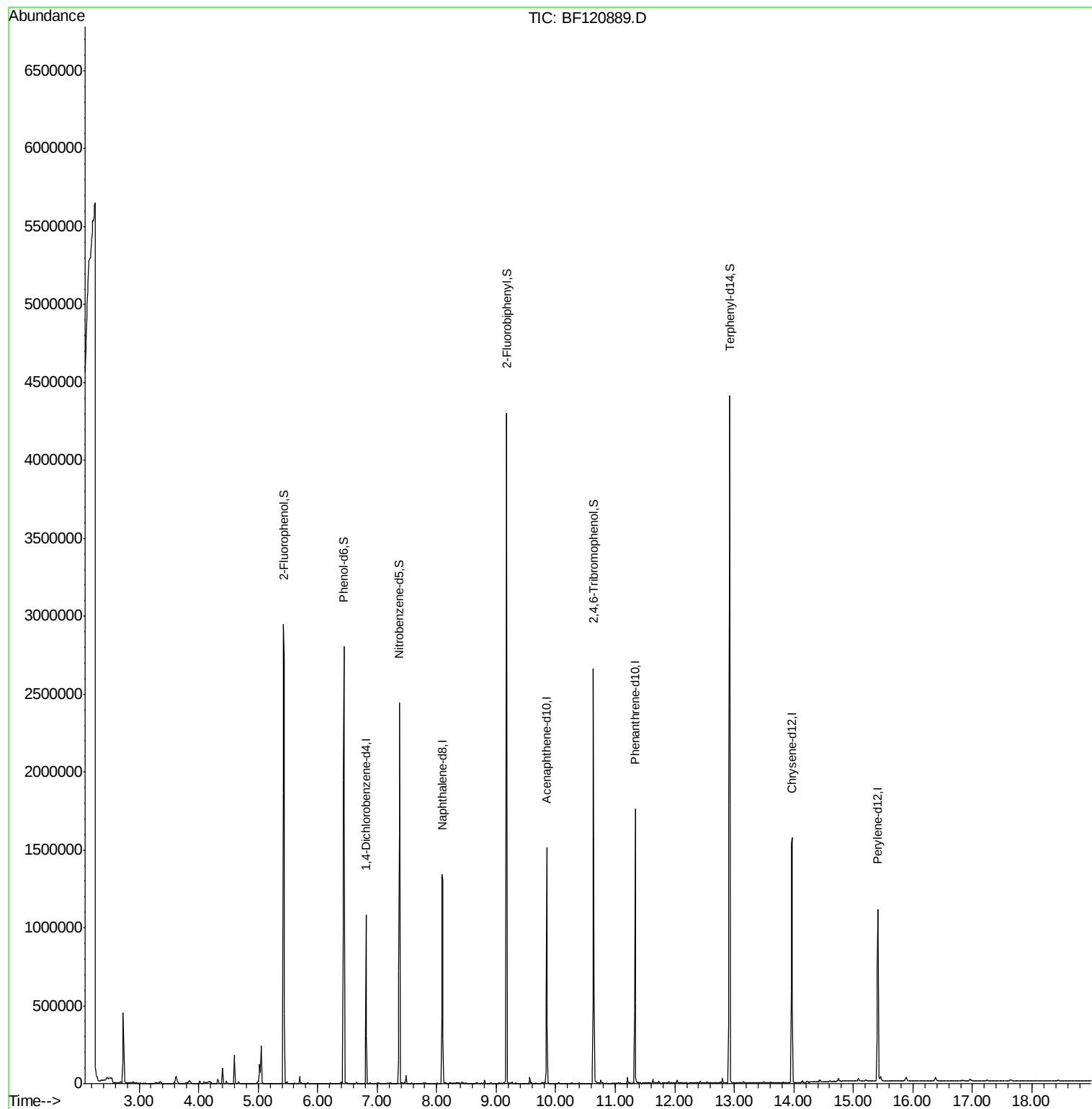
Target Compounds Qvalue

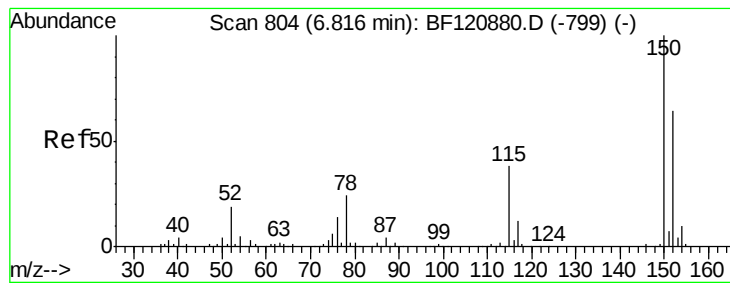
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 16 14:20:32 2020  
Response via : Initial Calibration



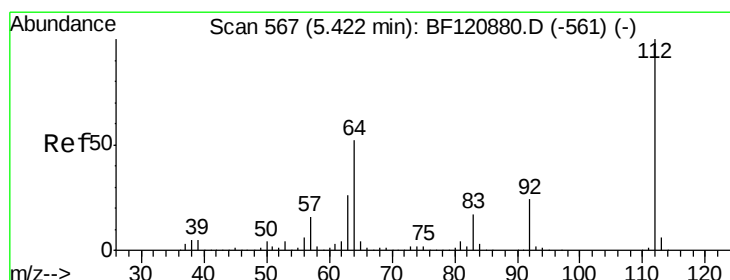
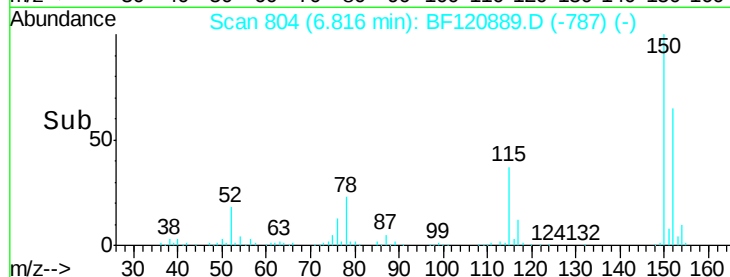
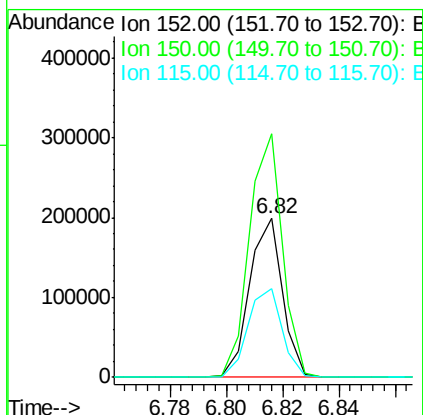
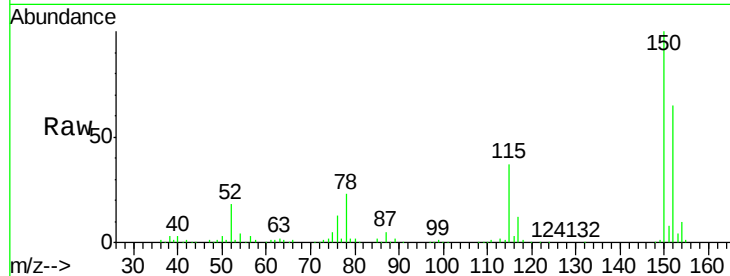


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.82 min Scan# 804  
Delta R.T. 0.00 min  
Lab File: BF120889.D  
Acq: 16 Jul 2020 16:57

Instrument :  
BNA\_F  
ClientSampleId :  
OK-01-071420

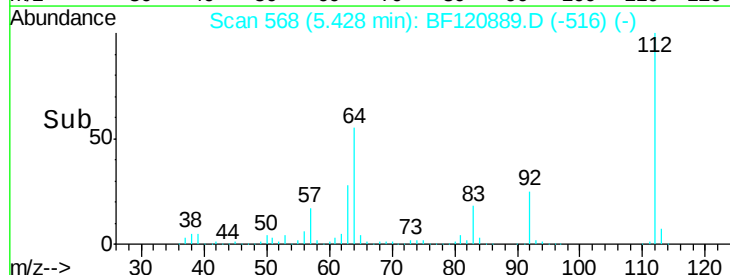
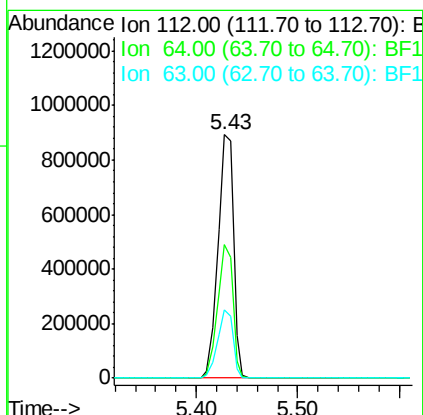
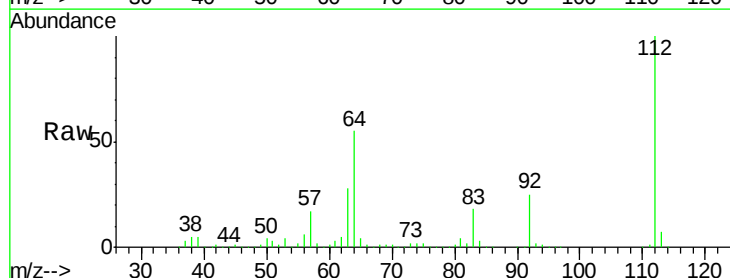
Tot Ion:152 Resp: 160413  
Ion Ratio Lower Upper  
152 100  
150 153.1 125.0 187.6  
115 56.0 47.0 70.4



#5

2-Fluorophenol  
Concen: 97.236 ng  
RT: 5.43 min Scan# 568  
Delta R.T. 0.01 min  
Lab File: BF120889.D  
Acq: 16 Jul 2020 16:57

Tgt Ion:112 Resp: 951465  
Ion Ratio Lower Upper  
112 100  
64 54.9 41.3 61.9  
63 28.0 21.1 31.7





#7

Phenol-d6

Concen: 81.363 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF120889.D

Acq: 16 Jul 2020 16:57

Instrument :

BNA\_F

ClientSampled :

OK-01-071420

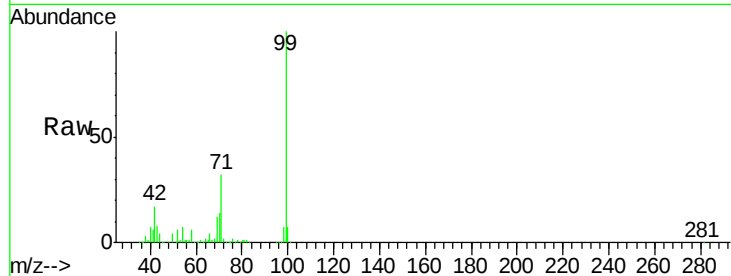
Tot Ion: 99 Resp: 1028413

Ion Ratio Lower Upper

99 100

42 17.0 13.1 19.7

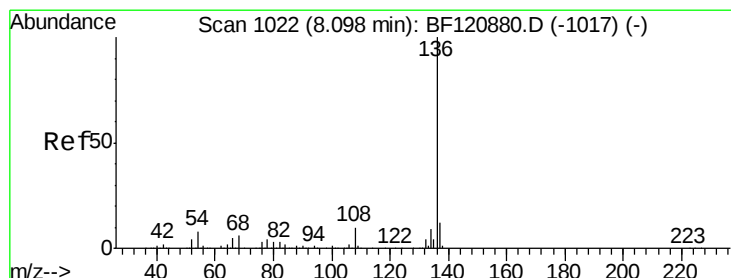
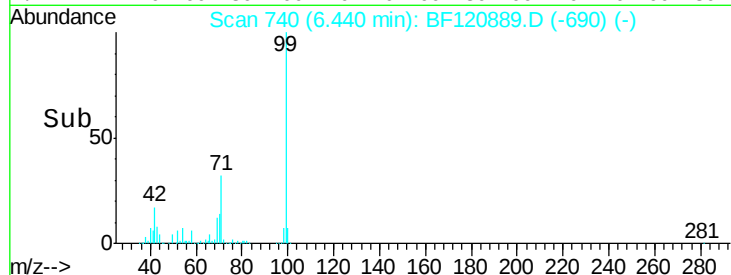
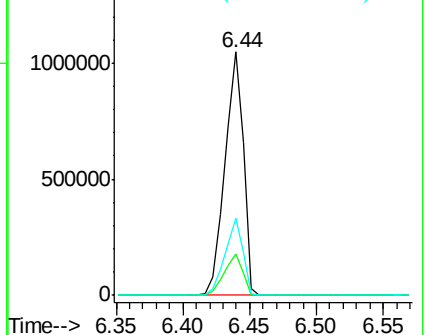
71 31.5 24.2 36.4



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: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF120889.D

Acq: 16 Jul 2020 16:57

Tgt Ion: 136 Resp: 610908

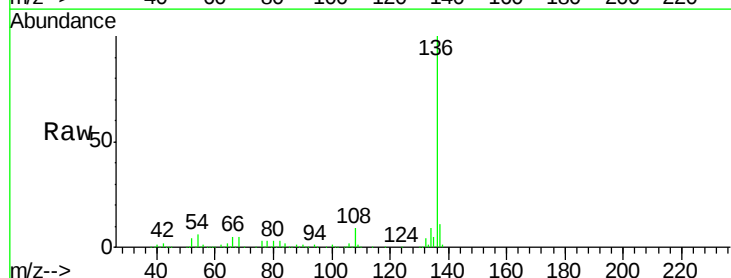
Ion Ratio Lower Upper

136 100

137 10.9 9.3 13.9

54 6.5 6.3 9.5

68 5.5 5.0 7.4

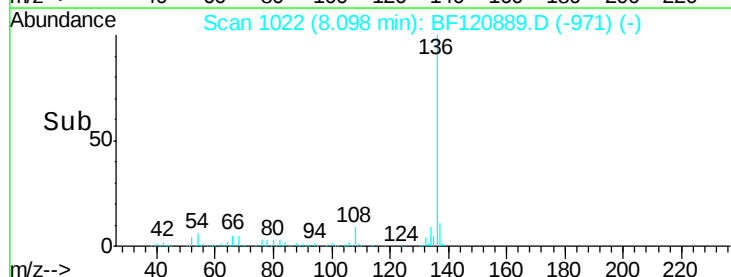
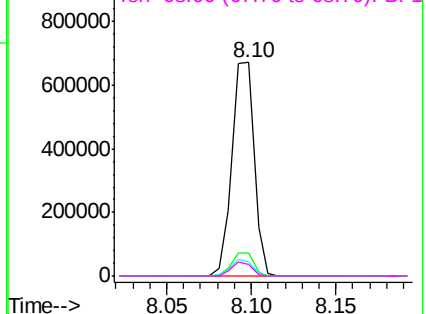


Abundance Ion 136.00 (135.70 to 136.70): E

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

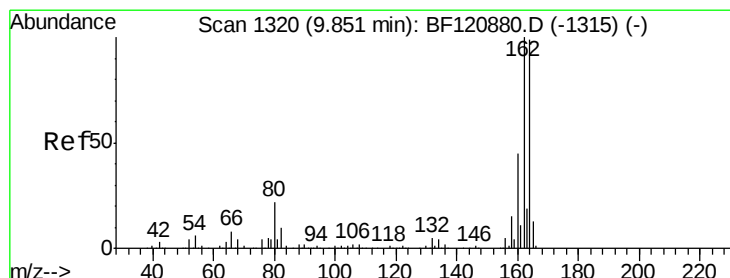
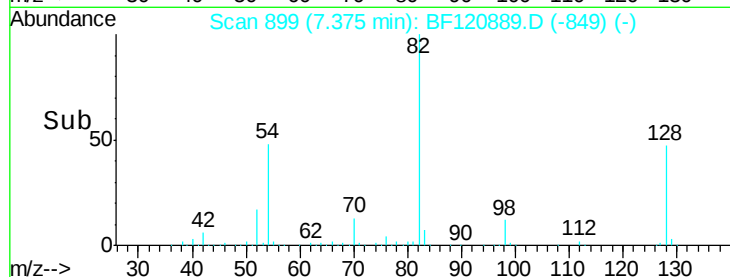
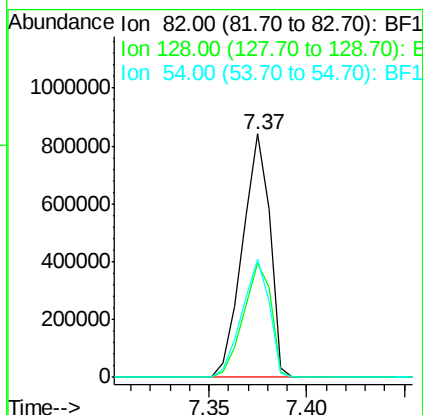
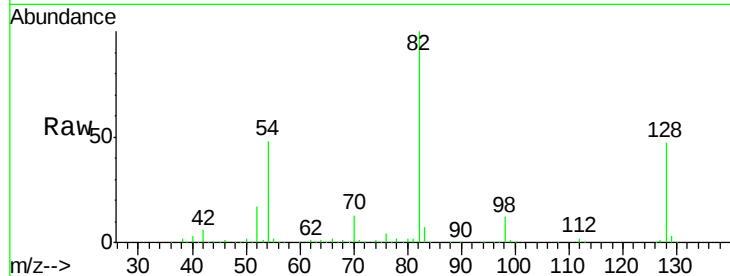




#23  
 Nitrobenzene-d5  
 Concen: 77.338 ng  
 RT: 7.37 min Scan# 899  
 Delta R.T. -0.01 min  
 Lab File: BF120889.D  
 Acq: 16 Jul 2020 16:57

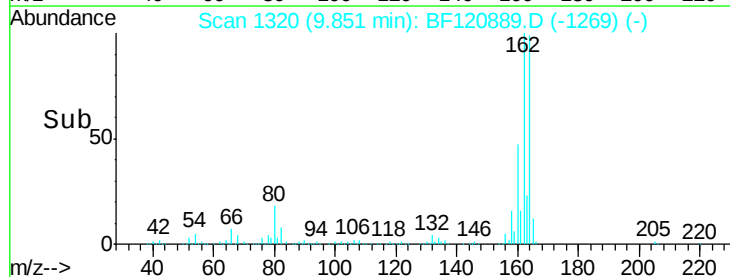
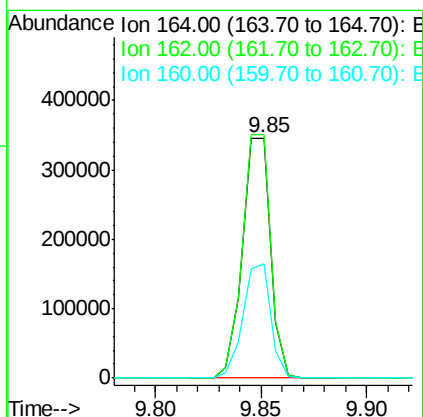
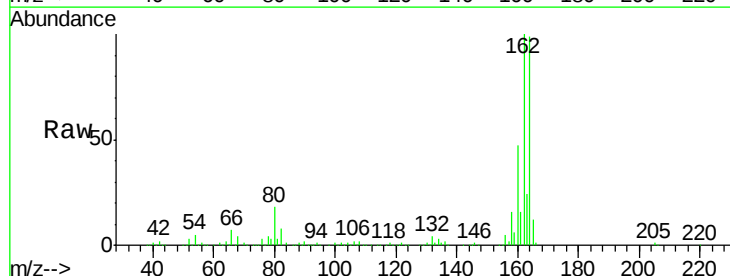
Instrument :  
 BNA\_F  
 ClientSampleId :  
 OK-01-071420

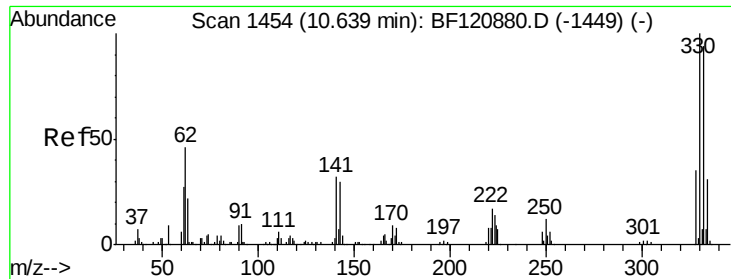
Tot Ion: 82 Resp: 816523  
 Ion Ratio Lower Upper  
 82 100  
 128 46.9 38.2 57.4  
 54 48.4 38.7 58.1



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.85 min Scan# 1320  
 Delta R.T. 0.00 min  
 Lab File: BF120889.D  
 Acq: 16 Jul 2020 16:57

Tgt Ion:164 Resp: 320241  
 Ion Ratio Lower Upper  
 164 100  
 162 101.3 81.2 121.8  
 160 47.5 36.9 55.3

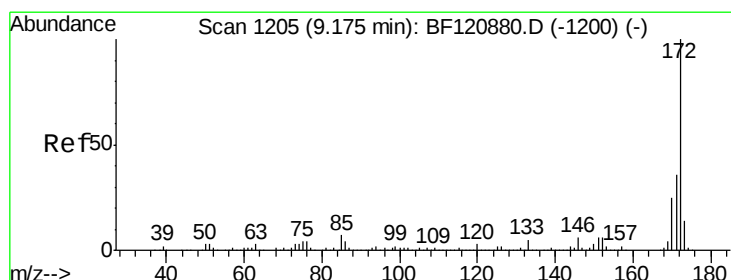
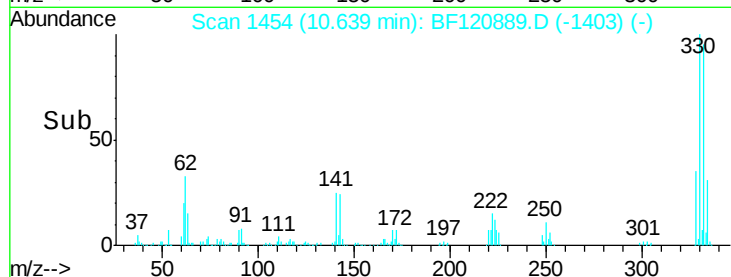
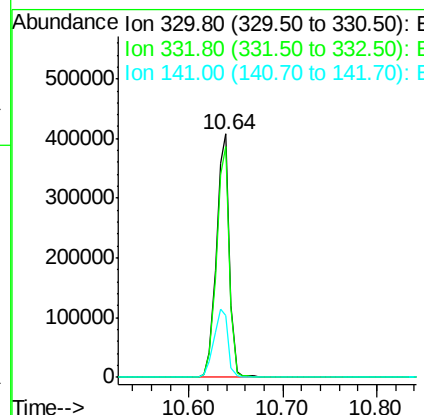
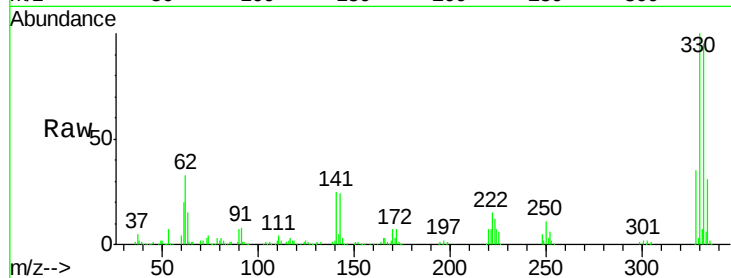




#42  
 2,4,6-Tribromophenol  
 Concen: 114.729 ng  
 RT: 10.64 min Scan# 1454  
 Delta R.T. 0.00 min  
 Lab File: BF120889.D  
 Acq: 16 Jul 2020 16:57

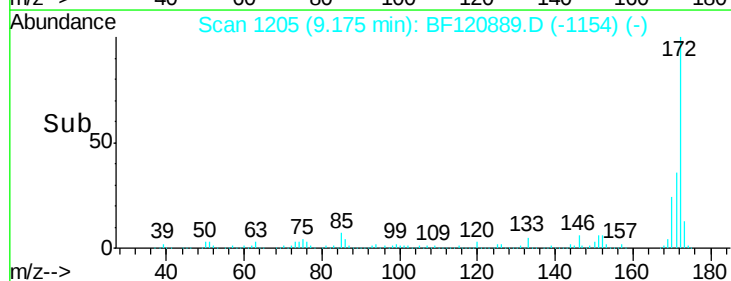
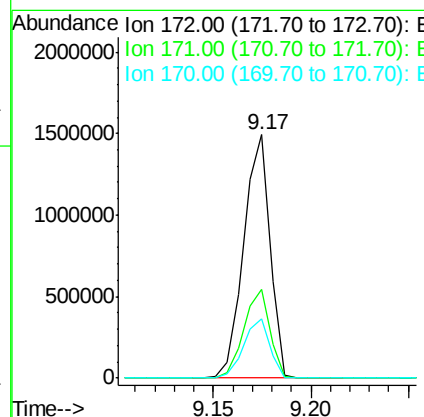
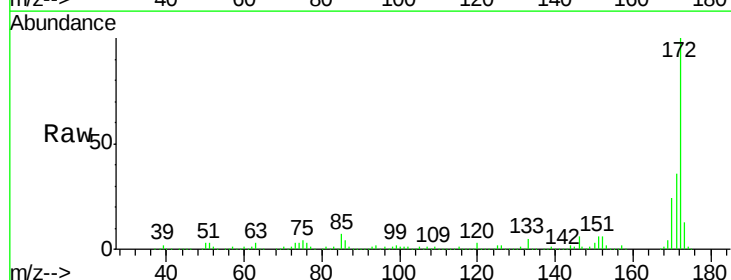
Instrument :  
 BNA\_F  
 ClientSampleId :  
 OK-01-071420

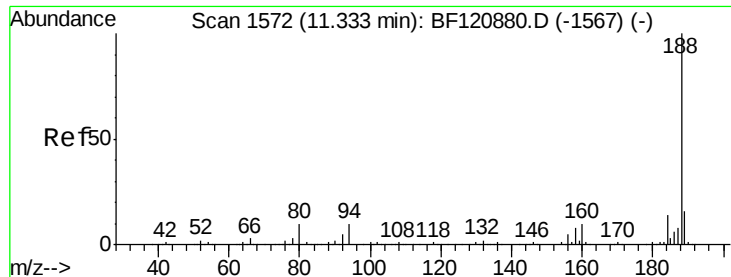
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.7  | 75.5  | 113.3 |
| 141     | 30.5  | 25.7  | 38.5  |



#45  
 2-Fluorobiphenyl  
 Concen: 64.903 ng  
 RT: 9.17 min Scan# 1205  
 Delta R.T. 0.00 min  
 Lab File: BF120889.D  
 Acq: 16 Jul 2020 16:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 29.0  | 43.4  |
| 170     | 24.2  | 19.6  | 29.4  |

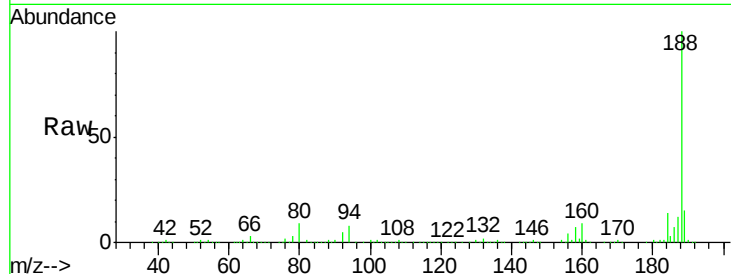




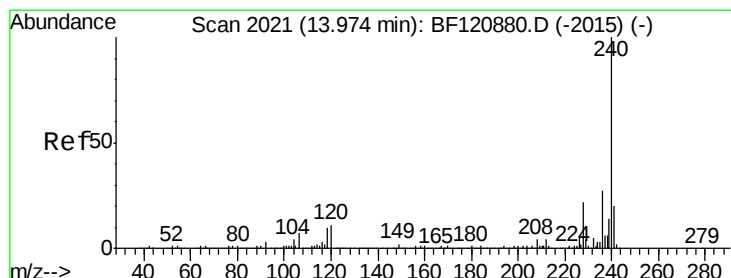
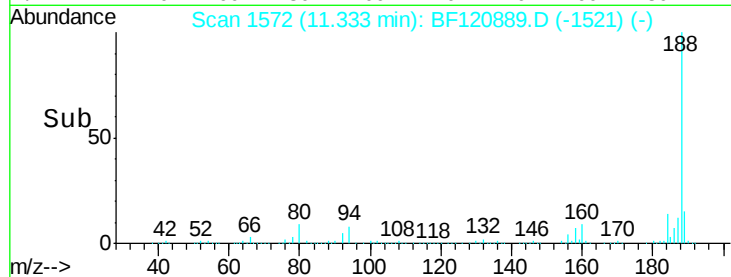
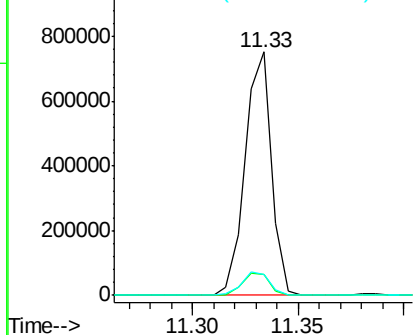
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.33 min Scan# 1572  
Delta R.T. 0.00 min  
Lab File: BF120889.D  
Acq: 16 Jul 2020 16:57

Instrument :  
BNA\_F  
ClientSampleId :  
OK-01-071420

Tot Ion:188 Resp: 650318  
Ion Ratio Lower Upper  
188 100  
94 8.4 8.0 12.0  
80 8.7 8.3 12.5

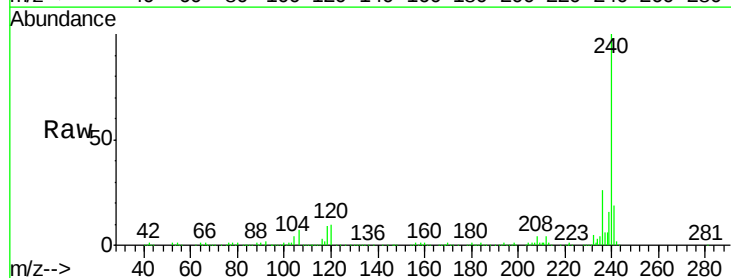


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

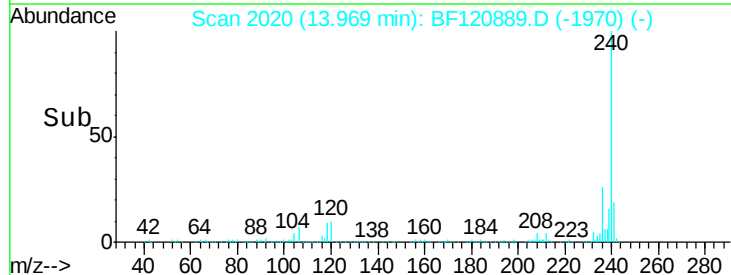
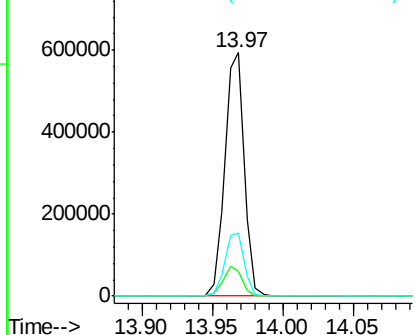


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.97 min Scan# 2020  
Delta R.T. -0.01 min  
Lab File: BF120889.D  
Acq: 16 Jul 2020 16:57

Tgt Ion:240 Resp: 564772  
Ion Ratio Lower Upper  
240 100  
120 10.3 9.0 13.4  
236 26.2 21.7 32.5



Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 63.783 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF120889.D

Acq: 16 Jul 2020 16:57

Instrument :

BNA\_F

ClientSampleId :

OK-01-071420

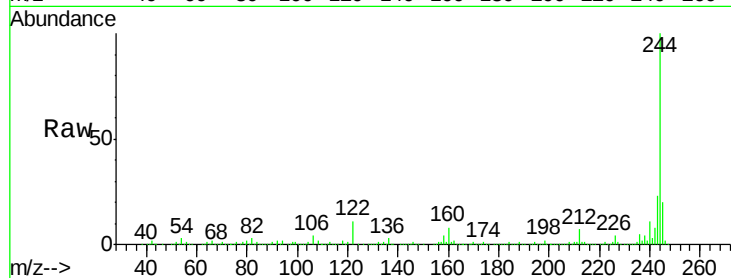
Tot Ion:244 Resp: 1657139

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

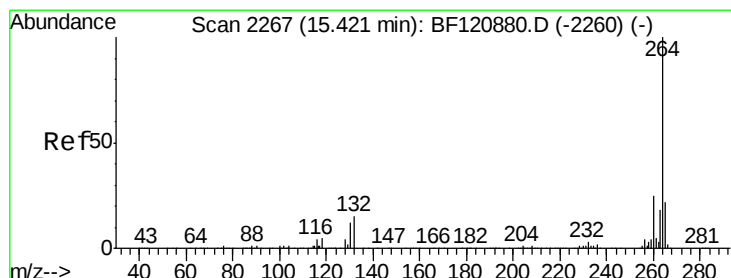
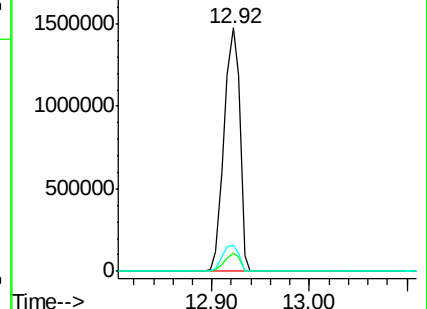
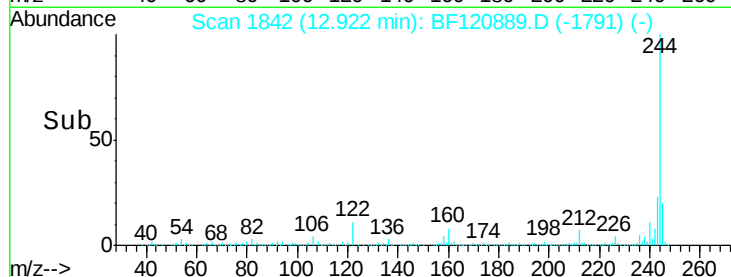
122 10.9 8.9 13.3



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BF120889.D

Acq: 16 Jul 2020 16:57

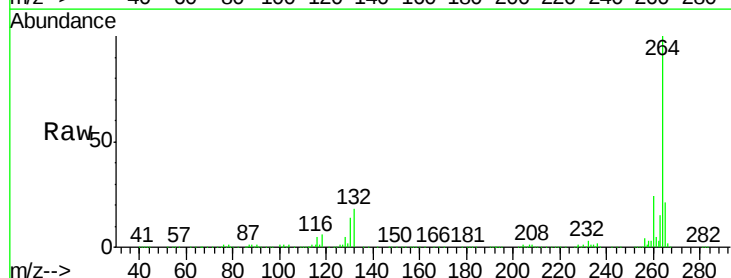
Tgt Ion:264 Resp: 506560

Ion Ratio Lower Upper

264 100

260 24.4 20.0 30.0

265 21.0 17.4 26.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

