

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\  
 Data File : BF112776.D  
 Acq On : 28 Feb 2019 22:12  
 Operator : JU/SJ  
 Sample : K1645-11  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SR-9-D

Quant Time: Mar 01 07:09:22 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 27 16:08:50 2019  
 Response via : Initial Calibration

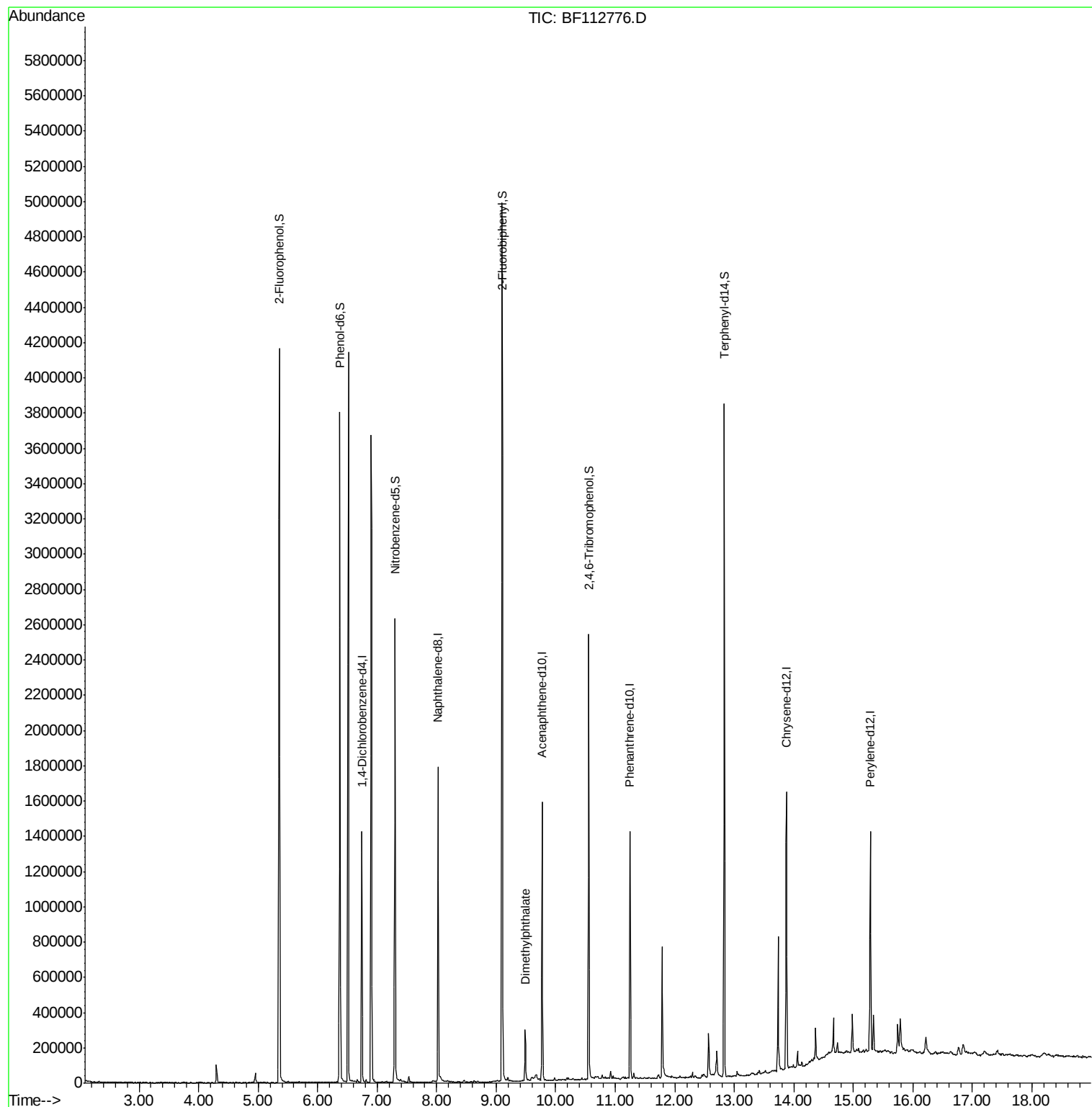
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|-------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.75  | 152  | 212095   | 20.00 | ng    | 0.00          |
| 21) Naphthalene-d8          | 8.02  | 136  | 782487   | 20.00 | ng    | 0.00          |
| 39) Acenaphthene-d10        | 9.77  | 164  | 333711   | 20.00 | ng    | 0.00          |
| 64) Phenanthrene-d10        | 11.25 | 188  | 549985   | 20.00 | ng    | 0.00          |
| 76) Chrysene-d12            | 13.87 | 240  | 513876   | 20.00 | ng    | 0.00          |
| 87) Perylene-d12            | 15.29 | 264  | 555799   | 20.00 | ng    | 0.01          |
| System Monitoring Compounds |       |      |          |       |       |               |
| 5) 2-Fluorophenol           | 5.36  | 112  | 1213353  | 88.99 | ng    | 0.01          |
| 7) Phenol-d6                | 6.37  | 99   | 1544199  | 90.16 | ng    | 0.00          |
| 23) Nitrobenzene-d5         | 7.30  | 82   | 946401   | 72.37 | ng    | 0.00          |
| 42) 2,4,6-Tribromophenol    | 10.56 | 330  | 350148   | 98.83 | ng    | 0.00          |
| 45) 2-Fluorobiphenyl        | 9.10  | 172  | 1581407  | 80.65 | ng    | 0.00          |
| 79) Terphenyl-d14           | 12.83 | 244  | 1343373  | 50.68 | ng    | 0.00          |
| Target Compounds            |       |      |          |       |       |               |
| 50) Dimethylphthalate       | 9.49  | 163  | 111769   | 4.542 | ng    | Qvalue<br>100 |

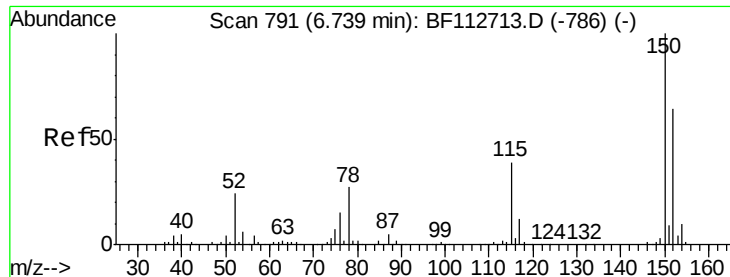
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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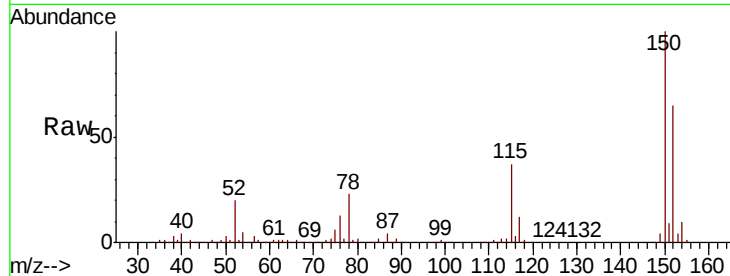


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.75 min Scan# 792  
Delta R.T. 0.01 min  
Lab File: BF112776.D  
Acq: 28 Feb 2019 22:12

Instrument :  
BNA\_F  
ClientSampled :  
SR-9-D

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.5 | 124.2 | 186.2 |
| 115     | 56.4  | 48.2  | 72.4  |

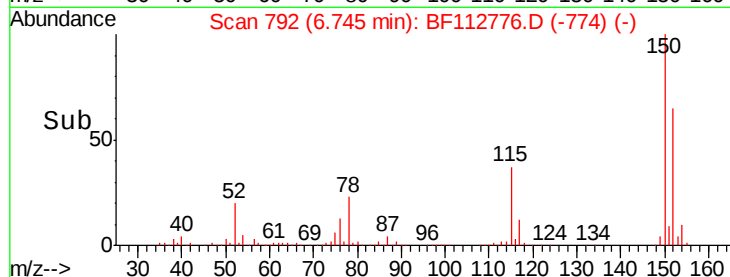
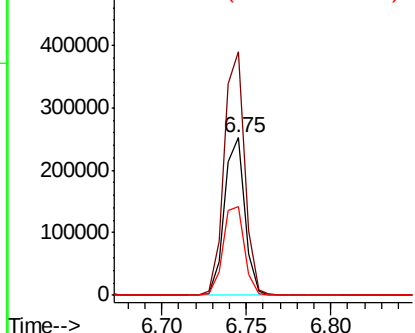


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

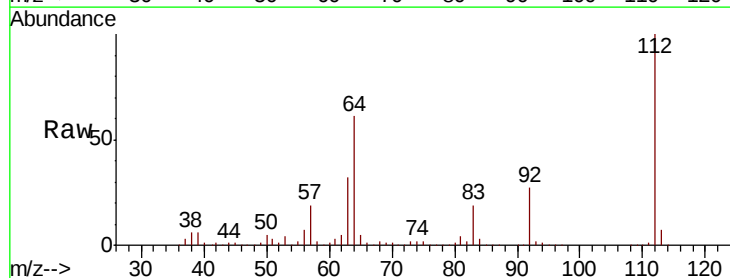
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 88.990 ng  
RT: 5.36 min Scan# 556  
Delta R.T. 0.01 min  
Lab File: BF112776.D  
Acq: 28 Feb 2019 22:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 61.3  | 47.6  | 71.4  |
| 63      | 31.7  | 24.4  | 36.6  |

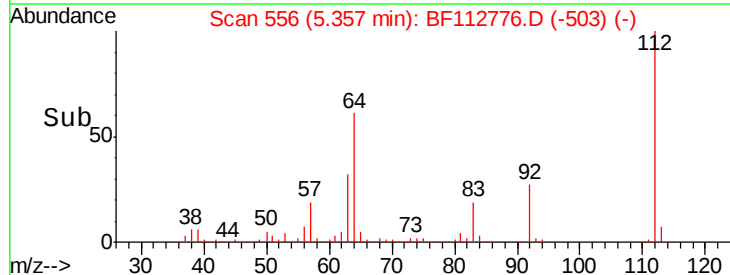
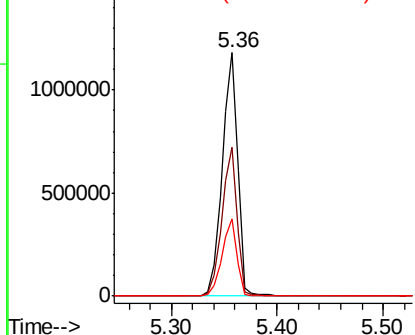


Abundance

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: 90.159 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112776.D

Acq: 28 Feb 2019 22:12

Instrument :

BNA\_F

ClientSampleId :

SR-9-D

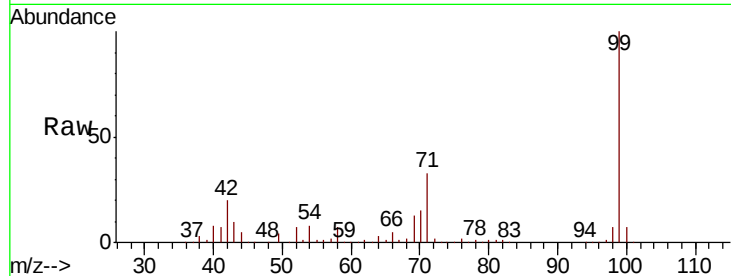
Tot Ion: 99 Resp: 1544199

Ion Ratio Lower Upper

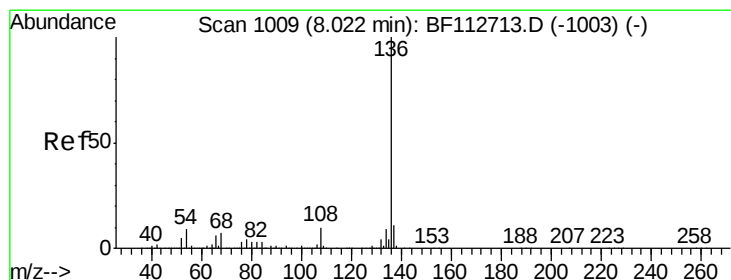
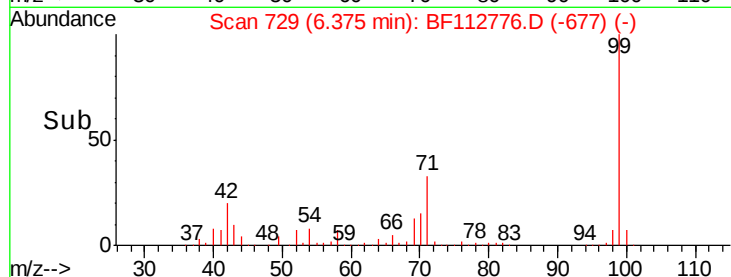
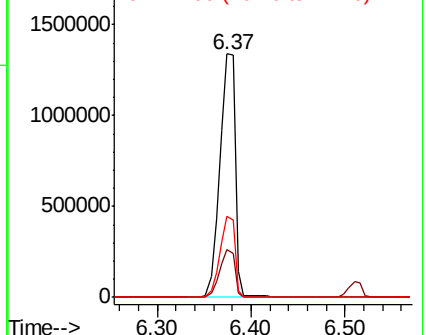
99 100

42 19.9 16.3 24.5

71 33.3 26.2 39.4



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: 8.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF112776.D

Acq: 28 Feb 2019 22:12

Tgt Ion: 136 Resp: 782487

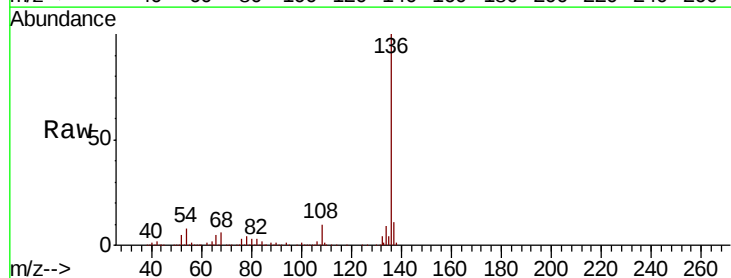
Ion Ratio Lower Upper

136 100

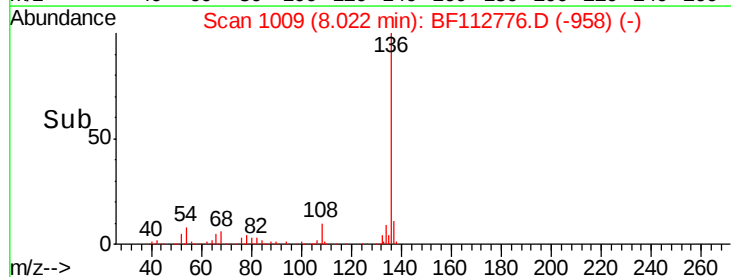
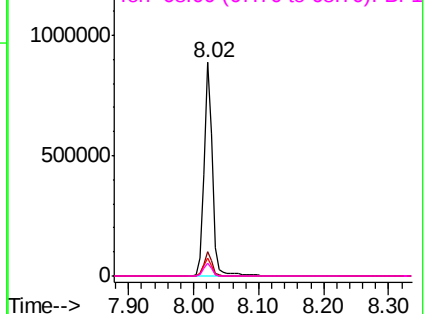
137 11.4 8.9 13.3

54 8.5 7.3 10.9

68 6.3 5.4 8.2



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

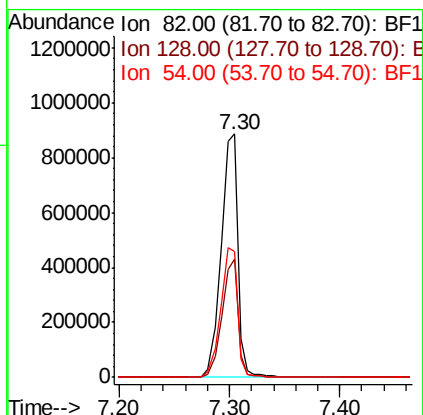
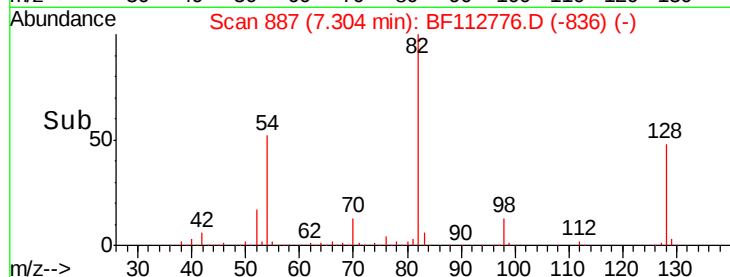
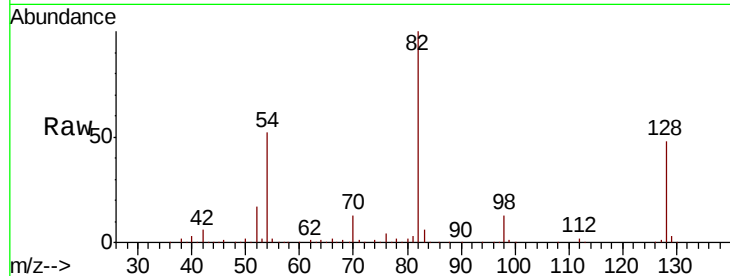




#23  
Nitrobenzene-d5  
Concen: 72.373 ng  
RT: 7.30 min Scan# 887  
Delta R.T. 0.00 min  
Lab File: BF112776.D  
Acq: 28 Feb 2019 22:12

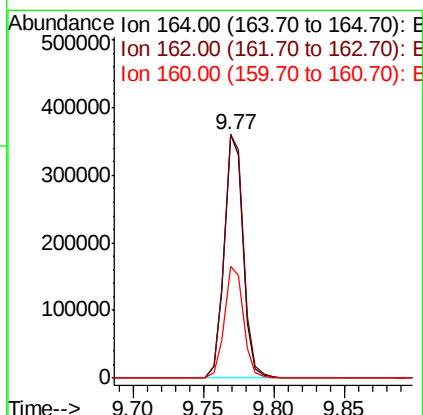
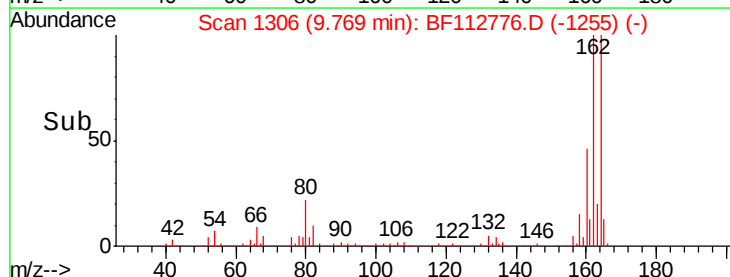
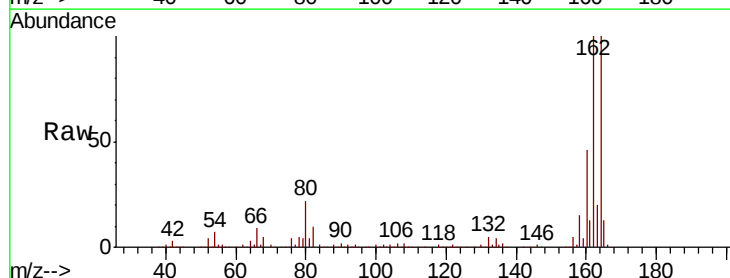
Instrument :  
BNA\_F  
ClientSampleID :  
SR-9-D

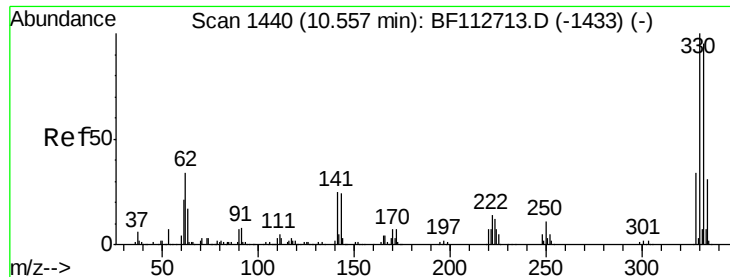
Tot Ion: 82 Resp: 946401  
Ion Ratio Lower Upper  
82 100  
128 48.4 36.3 54.5  
54 51.9 43.7 65.5



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.77 min Scan# 1306  
Delta R.T. 0.00 min  
Lab File: BF112776.D  
Acq: 28 Feb 2019 22:12

Tgt Ion:164 Resp: 333711  
Ion Ratio Lower Upper  
164 100  
162 100.1 80.6 120.8  
160 45.8 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 98.835 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BF112776.D

Acq: 28 Feb 2019 22:12

Instrument :

BNA\_F

ClientSampleId :

SR-9-D

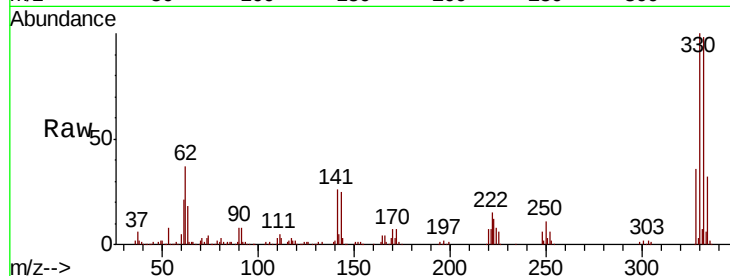
Tot Ion:330 Resp: 350148

Ion Ratio Lower Upper

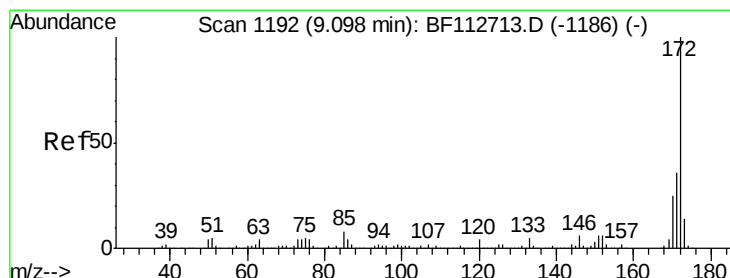
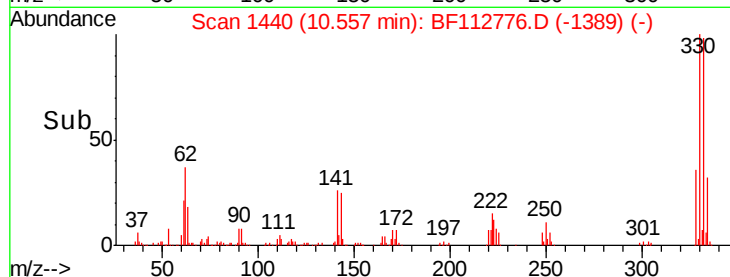
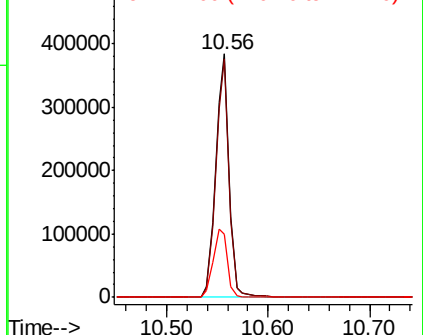
330 100

332 96.8 76.2 114.4

141 30.0 27.0 40.6



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: 80.650 ng

RT: 9.10 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BF112776.D

Acq: 28 Feb 2019 22:12

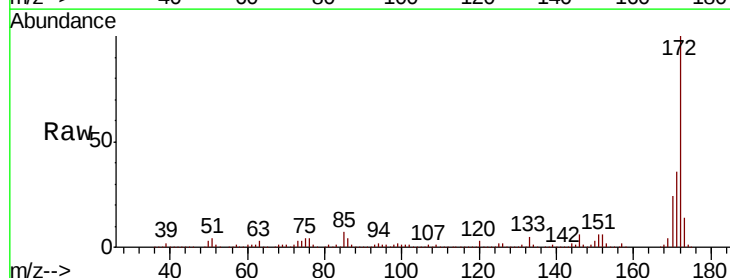
Tgt Ion:172 Resp: 1581407

Ion Ratio Lower Upper

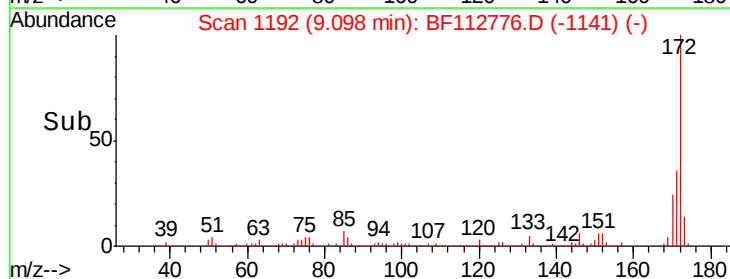
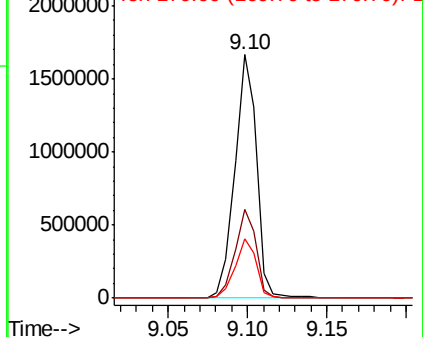
172 100

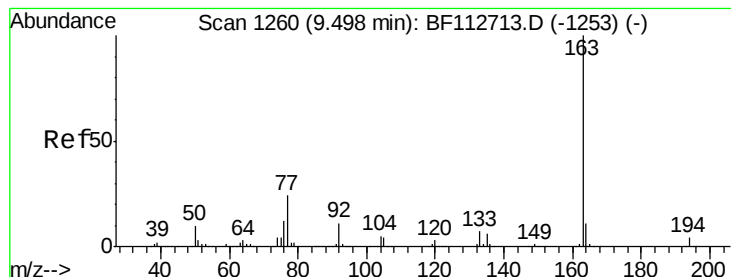
171 36.3 29.0 43.4

170 24.4 20.0 30.0



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





#50

Dimethylphthalate

Concen: 4.542 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF112776.D

Acq: 28 Feb 2019 22:12

Instrument :

BNA\_F

ClientSampleId :

SR-9-D

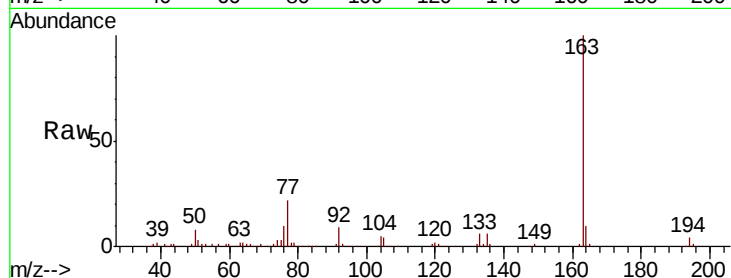
Tot Ion:163 Resp: 111769

Ion Ratio Lower Upper

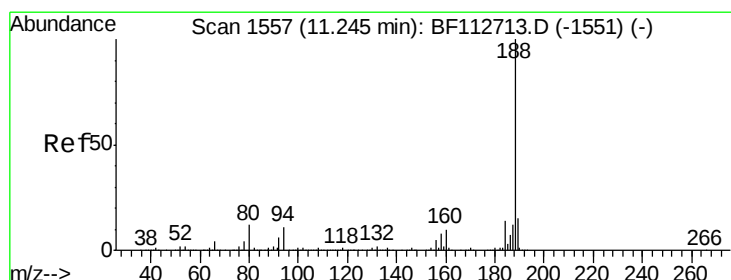
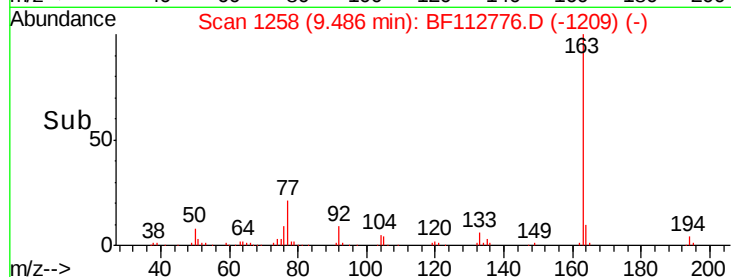
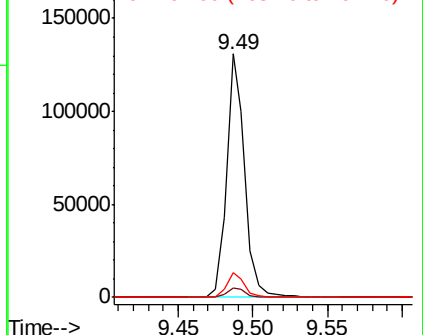
163 100

194 3.7 3.0 4.4

164 10.3 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BF112776.D

Acq: 28 Feb 2019 22:12

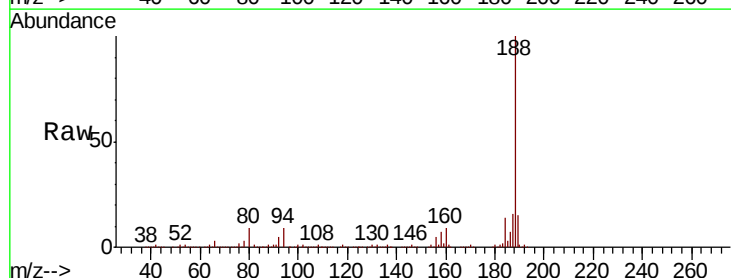
Tgt Ion:188 Resp: 549985

Ion Ratio Lower Upper

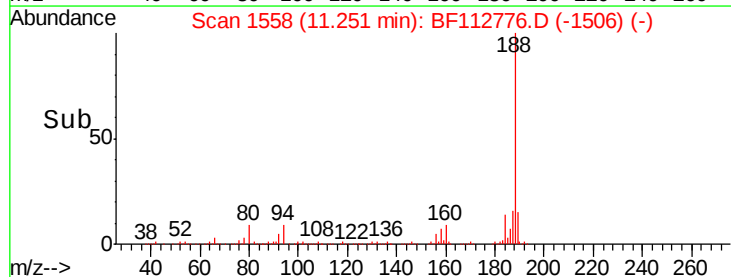
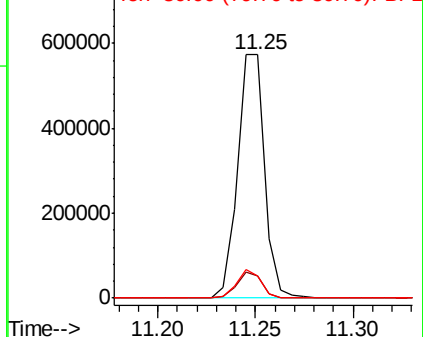
188 100

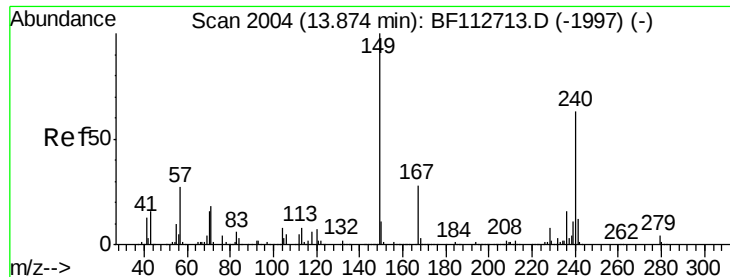
94 8.9 9.0 13.4#

80 8.9 9.2 13.8#



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

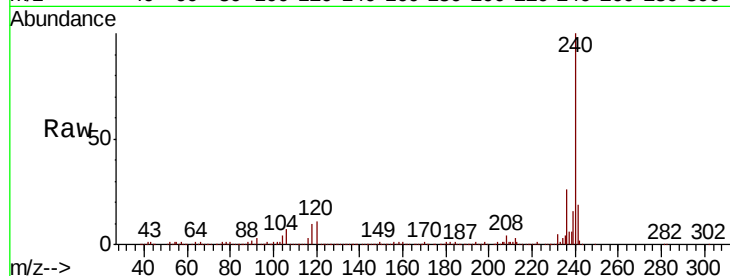




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.87 min Scan# 2004  
 Delta R.T. 0.00 min  
 Lab File: BF112776.D  
 Acq: 28 Feb 2019 22:12

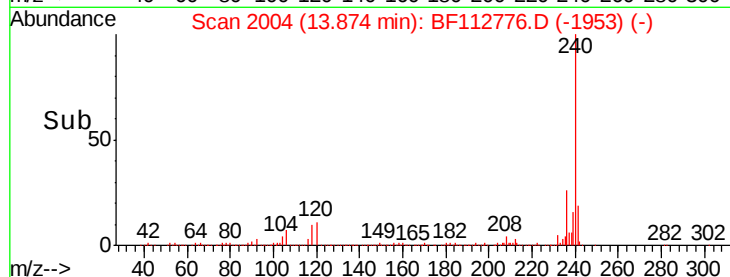
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SR-9-D

Tot Ion:240 Resp: 513876  
 Ion Ratio Lower Upper  
 240 100  
 120 11.3 8.9 13.3  
 236 26.1 20.7 31.1

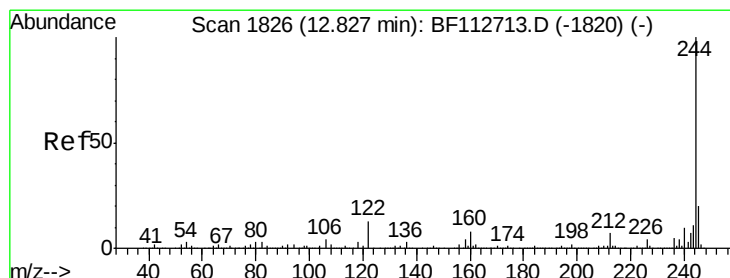


Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E

13.87

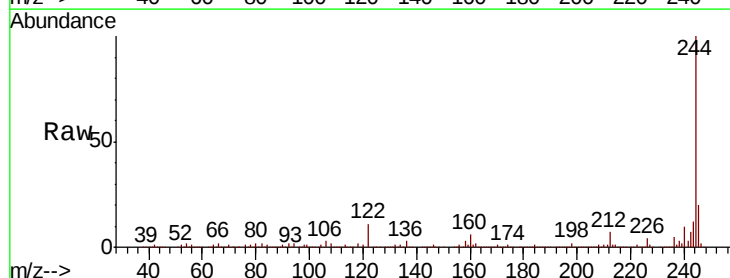


Time--> 13.80 13.90



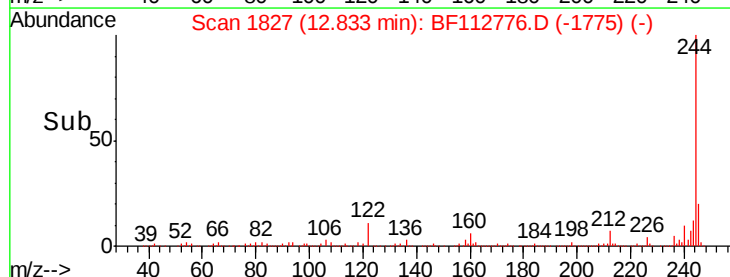
#79  
 Terphenyl-d14  
 Concen: 50.676 ng  
 RT: 12.83 min Scan# 1827  
 Delta R.T. 0.01 min  
 Lab File: BF112776.D  
 Acq: 28 Feb 2019 22:12

Tgt Ion:244 Resp: 1343373  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.6 8.4  
 122 10.6 10.5 15.7

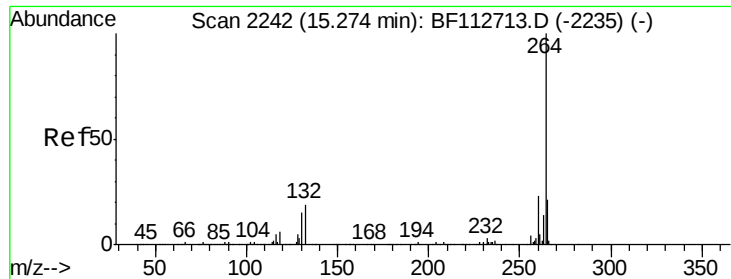


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E

12.83



Time--> 12.75 12.80 12.85 12.90



#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.29 min Scan# 2244  
Delta R.T. 0.01 min  
Lab File: BF112776.D  
Acq: 28 Feb 2019 22:12

Instrument :  
BNA\_F  
ClientSampleId :  
SR-9-D

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 18.7  | 28.1  |
| 265     | 21.5  | 17.2  | 25.8  |

