

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\  
 Data File : BF115128.D  
 Acq On : 22 Jun 2019 18:37  
 Operator : HP/JU  
 Sample : K3470-02  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SAMPLE-4

Quant Time: Jun 24 05:39:50 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 24 04:21:29 2019  
 Response via : Initial Calibration

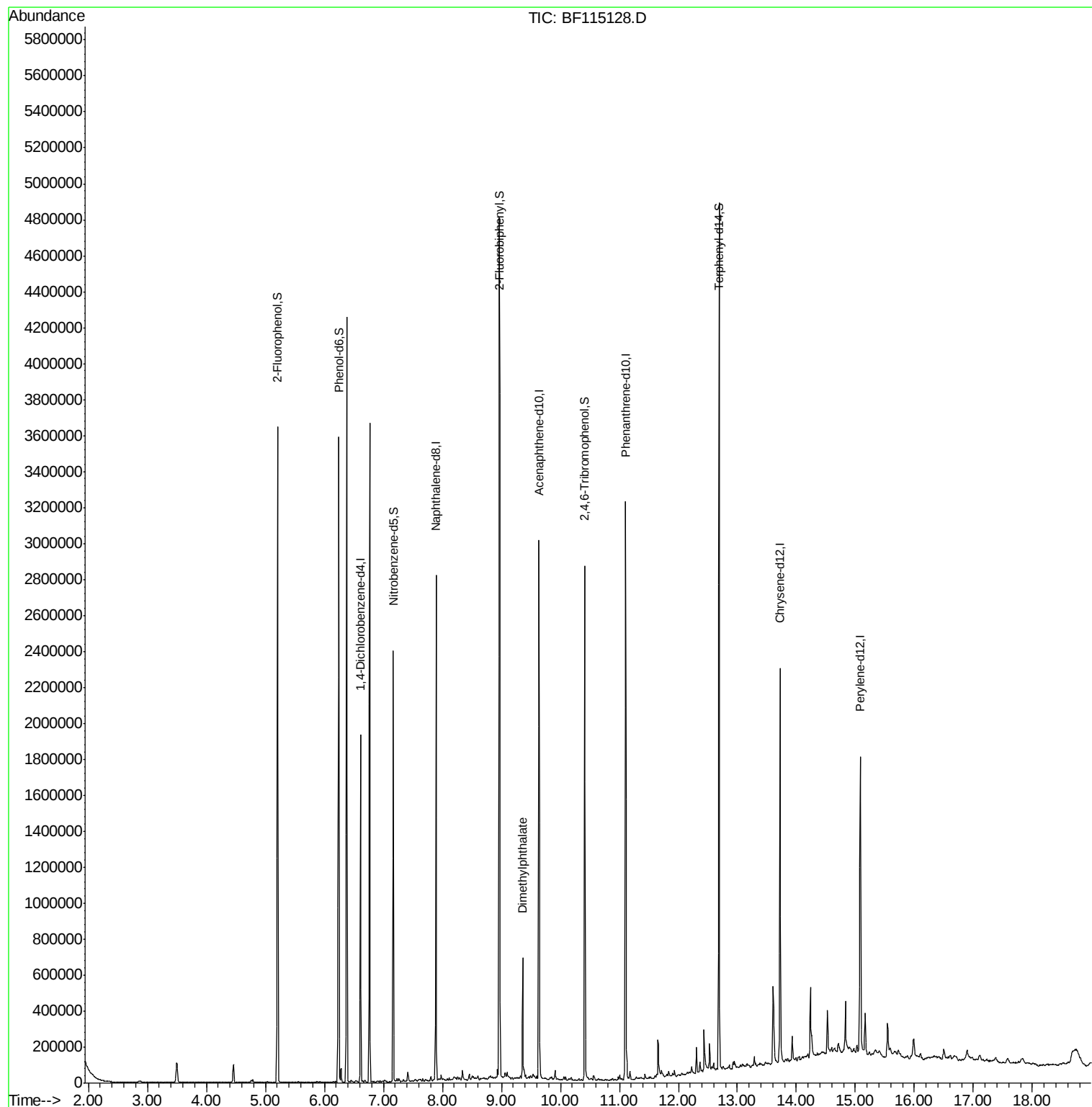
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.61  | 152  | 292581   | 20.00 | ng    | 0.00         |
| 21) Naphthalene-d8          | 7.89  | 136  | 1129633  | 20.00 | ng    | -0.01        |
| 39) Acenaphthene-d10        | 9.64  | 164  | 559319   | 20.00 | ng    | -0.01        |
| 64) Phenanthrene-d10        | 11.11 | 188  | 1077130  | 20.00 | ng    | -0.01        |
| 76) Chrysene-d12            | 13.72 | 240  | 658470   | 20.00 | ng    | -0.02        |
| 87) Perylene-d12            | 15.08 | 264  | 681850   | 20.00 | ng    | -0.03        |
| System Monitoring Compounds |       |      |          |       |       |              |
| 5) 2-Fluorophenol           | 5.21  | 112  | 1088628  | 57.42 | ng    | 0.00         |
| 7) Phenol-d6                | 6.24  | 99   | 1375147  | 59.76 | ng    | -0.01        |
| 23) Nitrobenzene-d5         | 7.17  | 82   | 808350   | 44.02 | ng    | -0.02        |
| 42) 2,4,6-Tribromophenol    | 10.41 | 330  | 317706   | 53.86 | ng    | -0.02        |
| 45) 2-Fluorobiphenyl        | 8.97  | 172  | 1488056  | 45.19 | ng    | -0.02        |
| 79) Terphenyl-d14           | 12.69 | 244  | 1554786  | 50.20 | ng    | -0.02        |
| Target Compounds            |       |      |          |       |       |              |
| 50) Dimethylphthalate       | 9.36  | 163  | 240355   | 5.841 | ng    | Qvalue<br>99 |

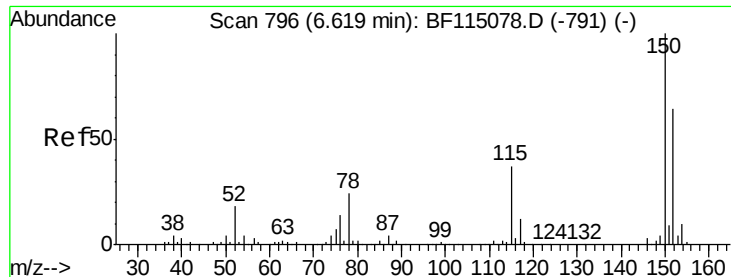
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-4

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Response via : Initial Calibration



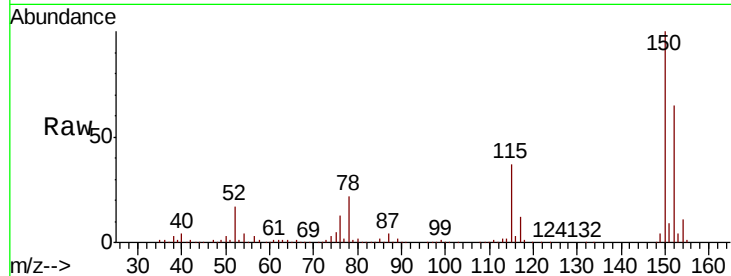


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.61 min Scan# 795  
Delta R.T. -0.01 min  
Lab File: BF115128.D  
Acq: 22 Jun 2019 18:37

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.7 | 124.2 | 186.2 |
| 115     | 57.0  | 46.1  | 69.1  |

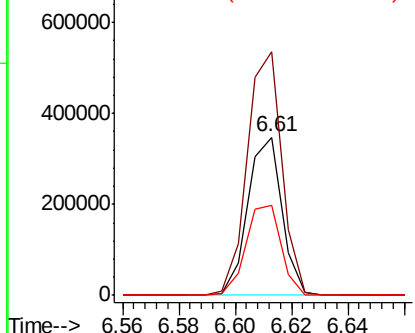
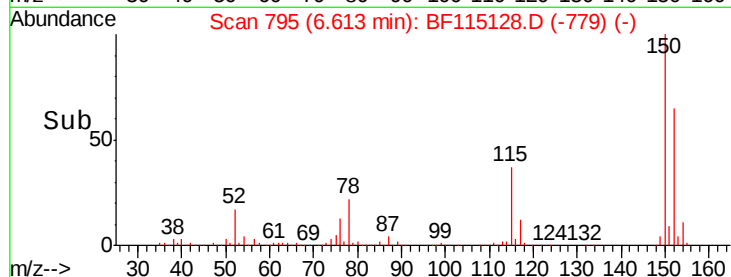


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

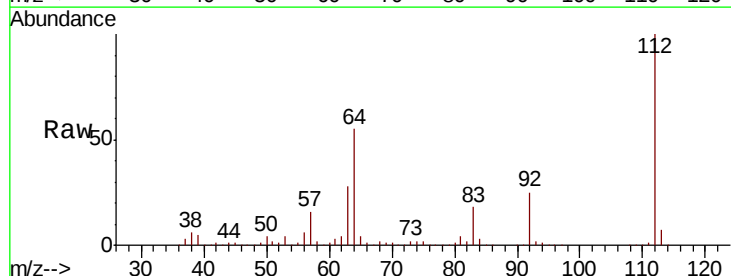
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 57.418 ng  
RT: 5.21 min Scan# 556  
Delta R.T. -0.00 min  
Lab File: BF115128.D  
Acq: 22 Jun 2019 18:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.0  | 43.8  | 65.6  |
| 63      | 27.7  | 22.2  | 33.4  |

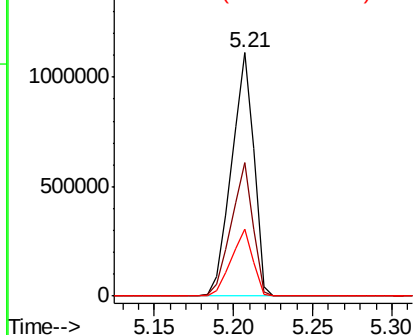
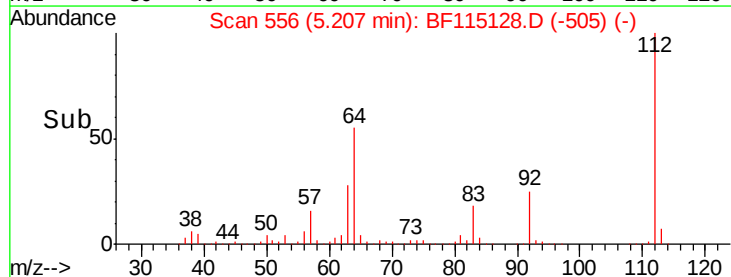


Abundance

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: 59.757 ng

RT: 6.24 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF115128.D

Acq: 22 Jun 2019 18:37

Instrument :

BNA\_F

ClientSampleId :

SAMPLE-4

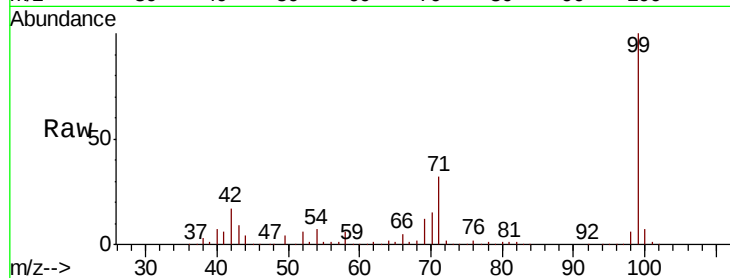
Tot Ion: 99 Resp: 1375147

Ion Ratio Lower Upper

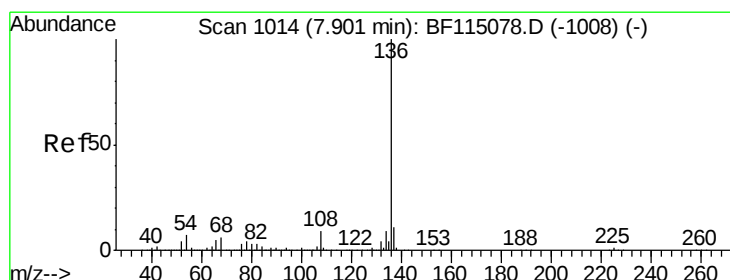
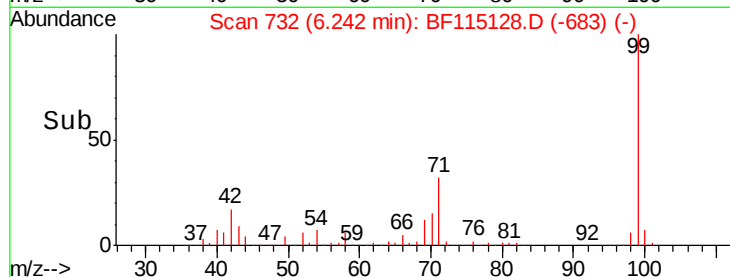
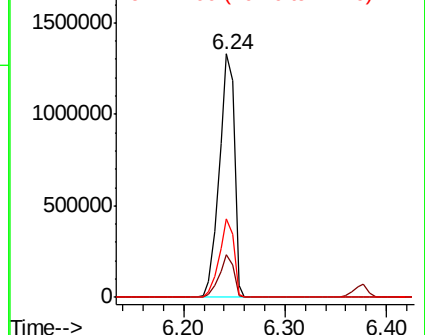
99 100

42 17.3 13.6 20.4

71 32.3 25.5 38.3



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: 7.89 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF115128.D

Acq: 22 Jun 2019 18:37

Tgt Ion:136 Resp: 1129633

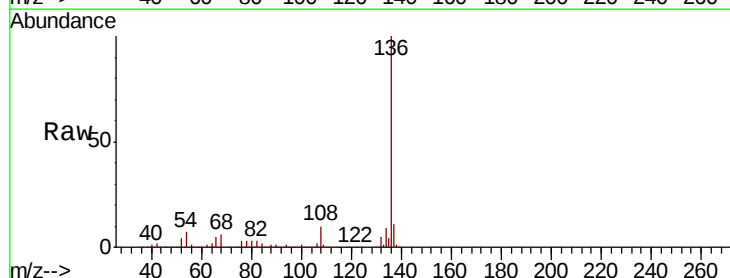
Ion Ratio Lower Upper

136 100

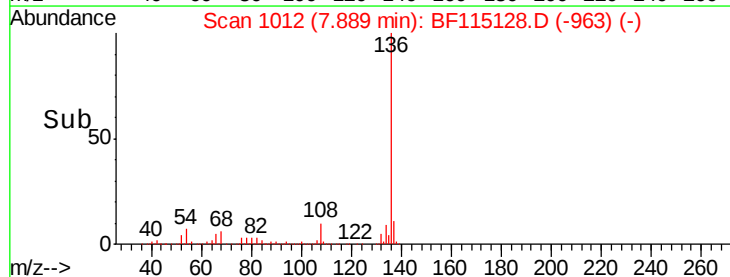
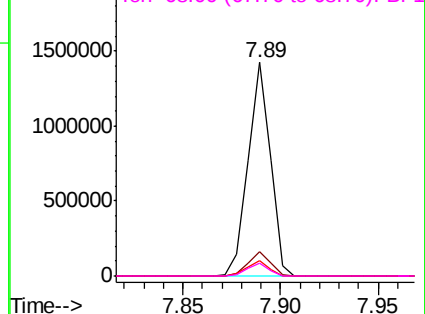
137 11.4 8.9 13.3

54 7.0 5.6 8.4

68 6.1 4.8 7.2



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

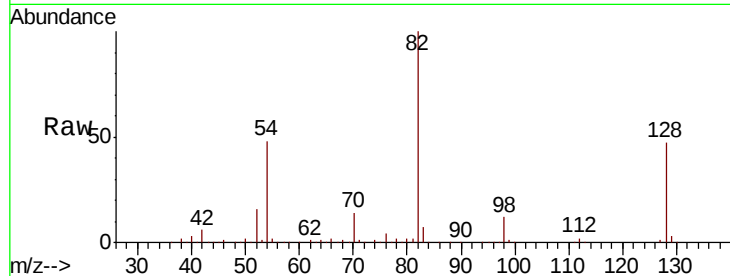




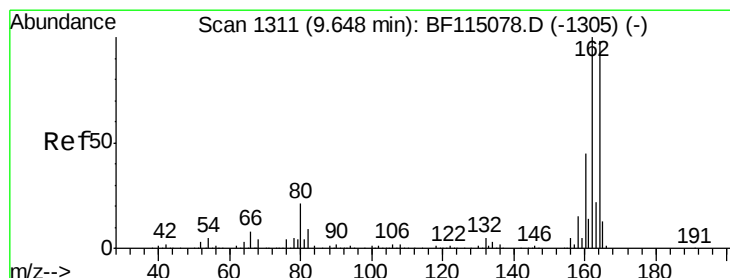
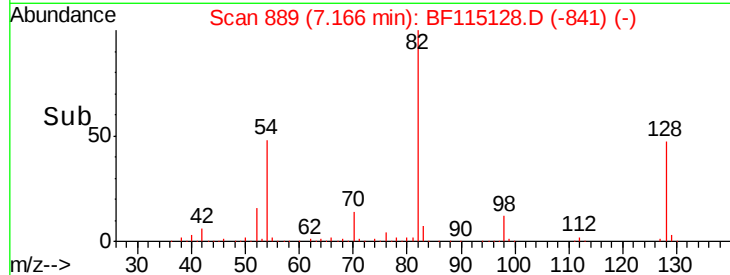
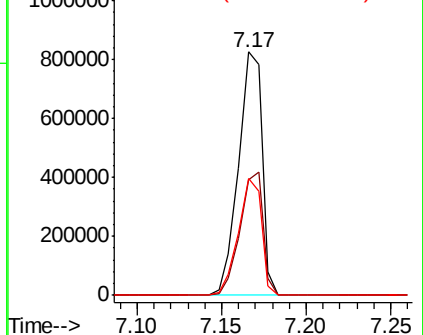
#23  
 Nitrobenzene-d5  
 Concen: 44.020 ng  
 RT: 7.17 min Scan# 889  
 Delta R.T. -0.02 min  
 Lab File: BF115128.D  
 Acq: 22 Jun 2019 18:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SAMPLE-4

Tot Ion: 82 Resp: 808350  
 Ion Ratio Lower Upper  
 82 100  
 128 47.4 40.4 60.6  
 54 48.2 37.5 56.3

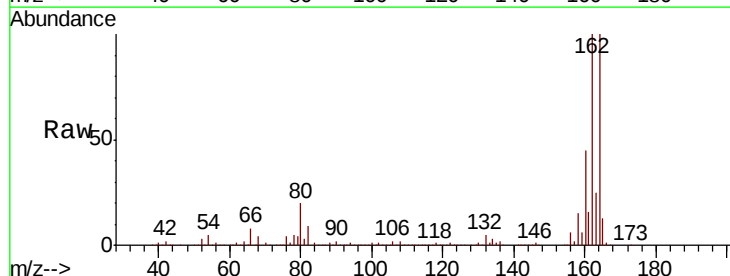


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

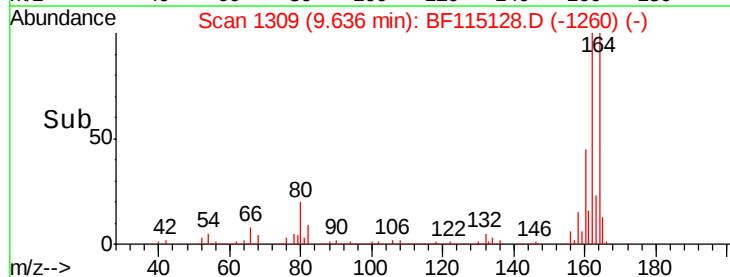
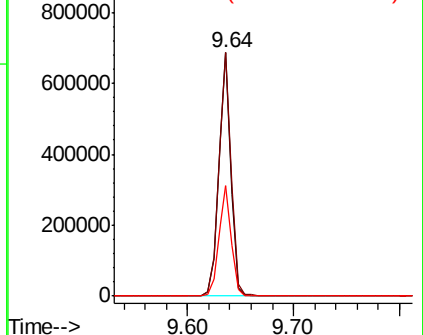


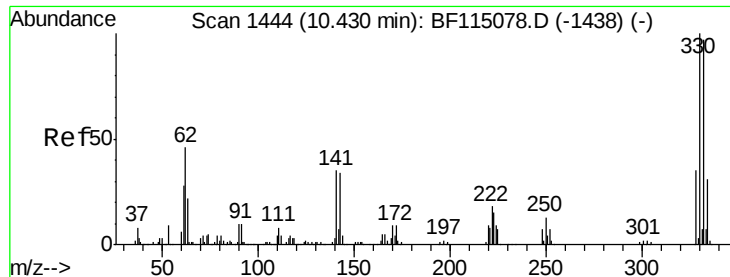
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.64 min Scan# 1309  
 Delta R.T. -0.01 min  
 Lab File: BF115128.D  
 Acq: 22 Jun 2019 18:37

Tgt Ion: 164 Resp: 559319  
 Ion Ratio Lower Upper  
 164 100  
 162 99.9 81.7 122.5  
 160 45.4 37.0 55.4



Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

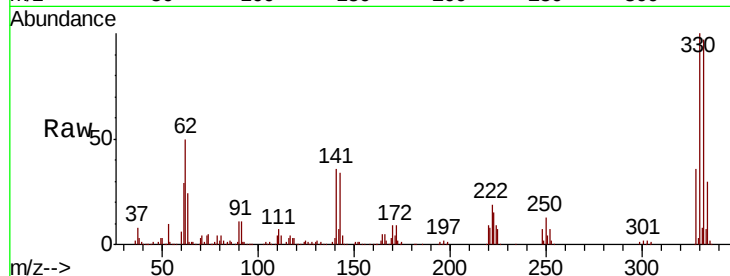




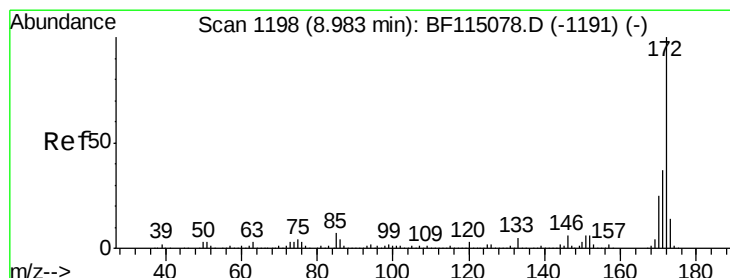
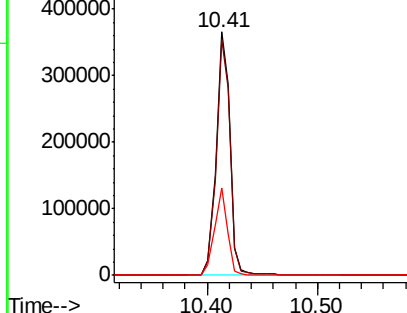
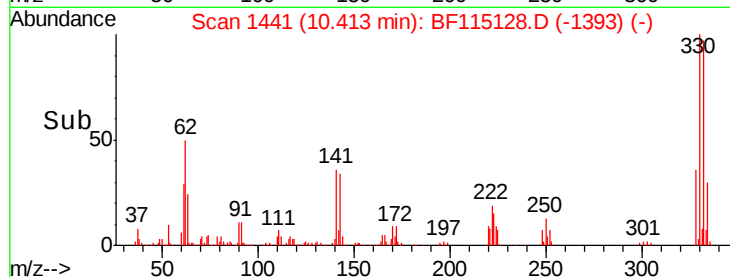
#42  
 2,4,6-Tribromophenol  
 Concen: 53.865 ng  
 RT: 10.41 min Scan# 1441  
 Delta R.T. -0.02 min  
 Lab File: BF115128.D  
 Acq: 22 Jun 2019 18:37

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SAMPLE-4

Tot Ion:330 Resp: 317706  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 77.3 115.9  
 141 34.1 28.2 42.2

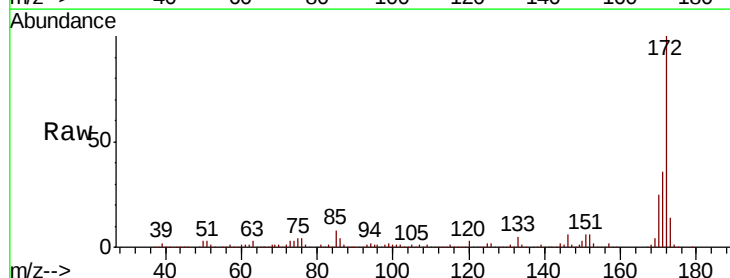


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

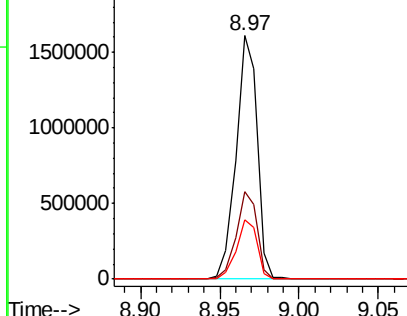
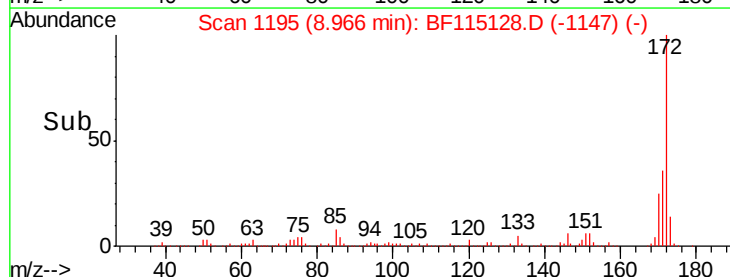


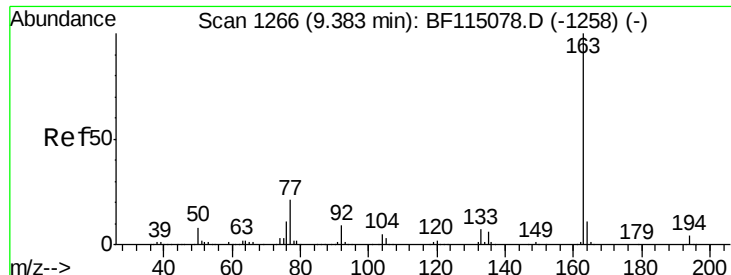
#45  
 2-Fluorobiphenyl  
 Concen: 45.191 ng  
 RT: 8.97 min Scan# 1195  
 Delta R.T. -0.02 min  
 Lab File: BF115128.D  
 Acq: 22 Jun 2019 18:37

Tgt Ion:172 Resp: 1488056  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 29.8 44.6  
 170 24.5 20.3 30.5



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

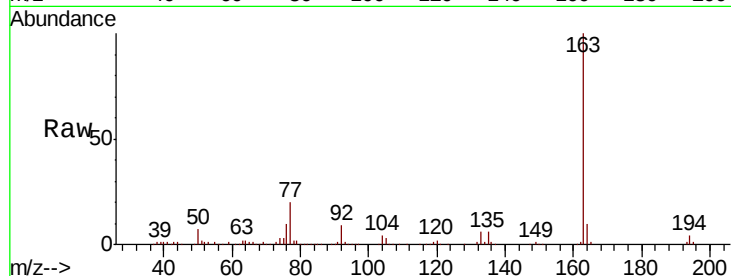




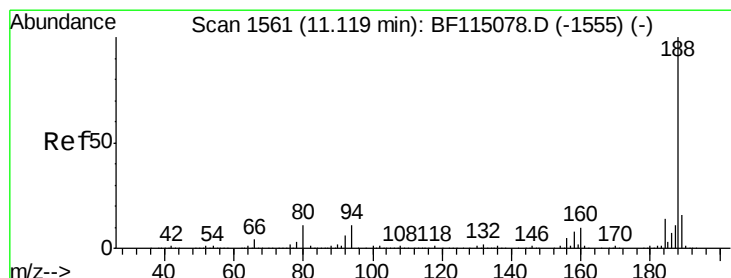
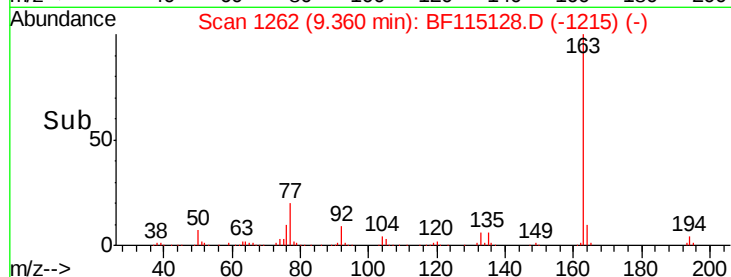
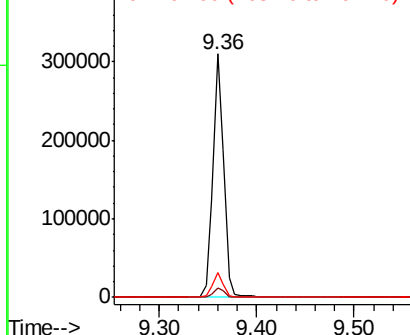
#50  
Dimethylphthalate  
Concen: 5.841 ng  
RT: 9.36 min Scan# 1262  
Delta R.T. -0.02 min  
Lab File: BF115128.D  
Acq: 22 Jun 2019 18:37

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-4

Tot Ion:163 Resp: 240355  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.2 4.8  
164 10.1 8.6 13.0

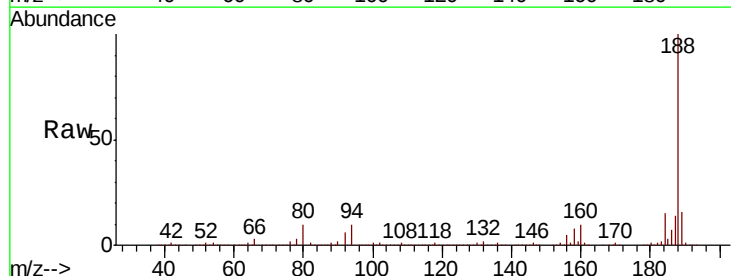


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

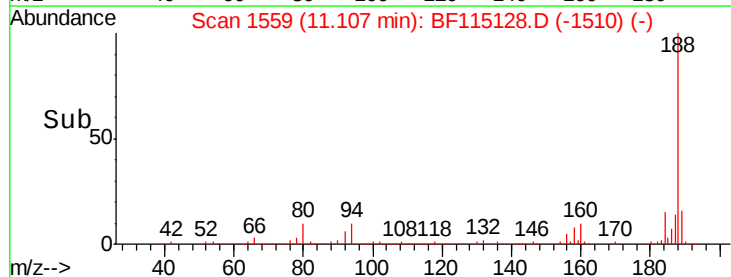
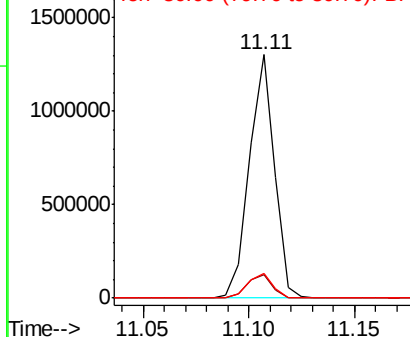


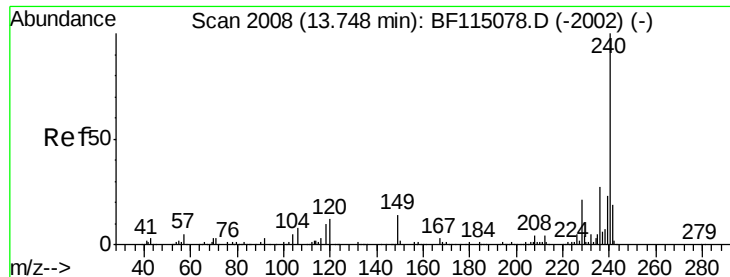
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.11 min Scan# 1559  
Delta R.T. -0.01 min  
Lab File: BF115128.D  
Acq: 22 Jun 2019 18:37

Tgt Ion:188 Resp: 1077130  
Ion Ratio Lower Upper  
188 100  
94 9.9 8.6 12.8  
80 10.2 8.8 13.2



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: 13.72 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF115128.D

Acq: 22 Jun 2019 18:37

Instrument :

BNA\_F

ClientSampleId :

SAMPLE-4

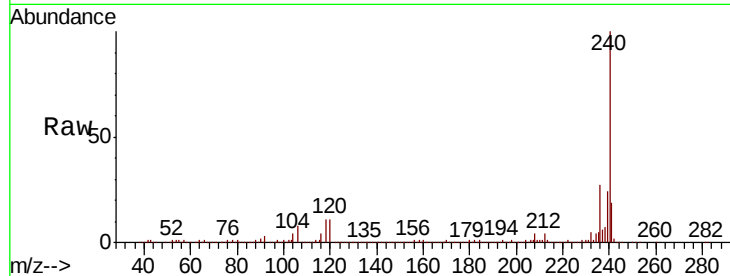
Tot Ion:240 Resp: 658470

Ion Ratio Lower Upper

240 100

120 11.5 9.4 14.2

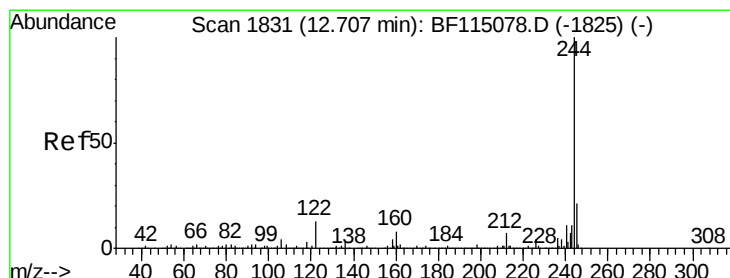
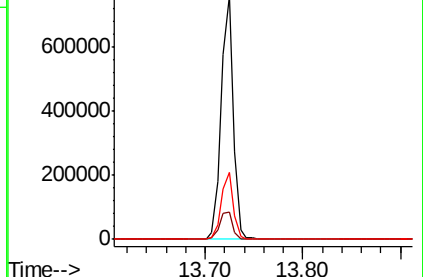
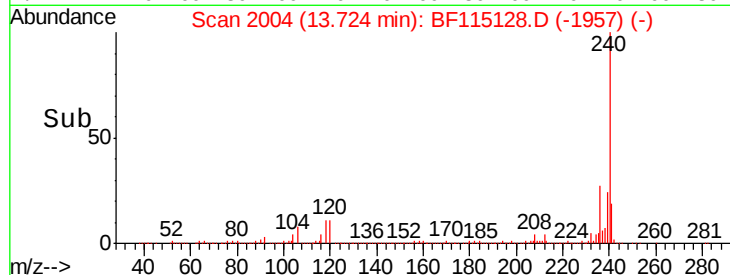
236 27.5 21.7 32.5



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: 50.203 ng

RT: 12.69 min Scan# 1828

Delta R.T. -0.02 min

Lab File: BF115128.D

Acq: 22 Jun 2019 18:37

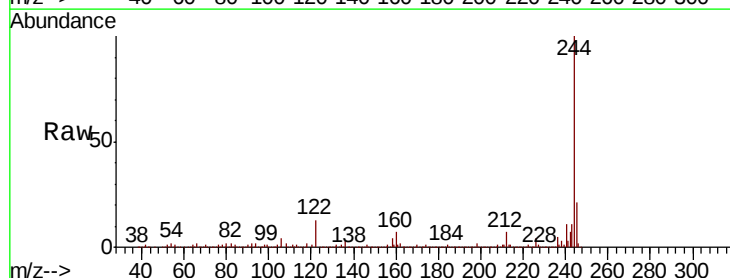
Tgt Ion:244 Resp: 1554786

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

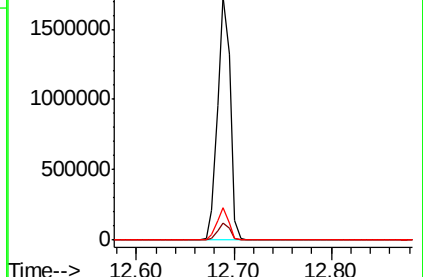
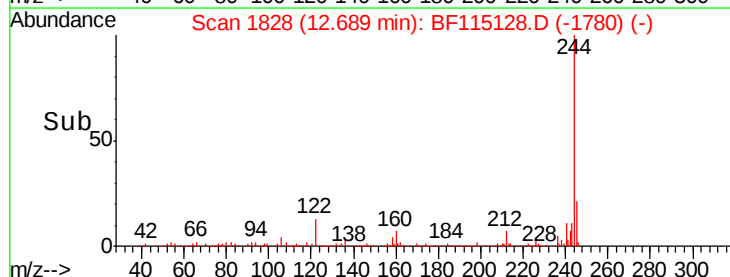
122 13.3 10.4 15.6

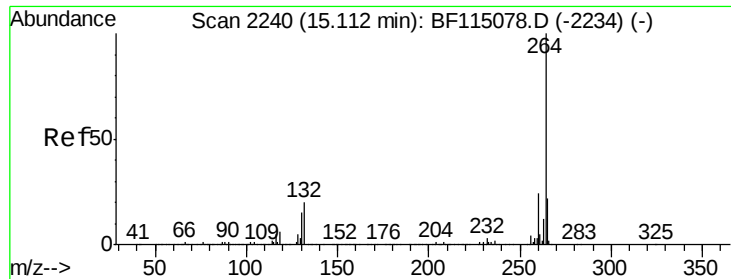


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.08 min Scan# 2235  
Delta R.T. -0.03 min  
Lab File: BF115128.D  
Acq: 22 Jun 2019 18:37

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.7  | 19.6  | 29.4  |
| 265     | 21.9  | 17.3  | 25.9  |

