

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\  
 Data File : BF116045.D  
 Acq On : 7 Aug 2019 12:47  
 Operator : HP/JU  
 Sample : K4154-07  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PS-7

Quant Time: Aug 08 07:47:55 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 07 11:13:18 2019  
 Response via : Initial Calibration

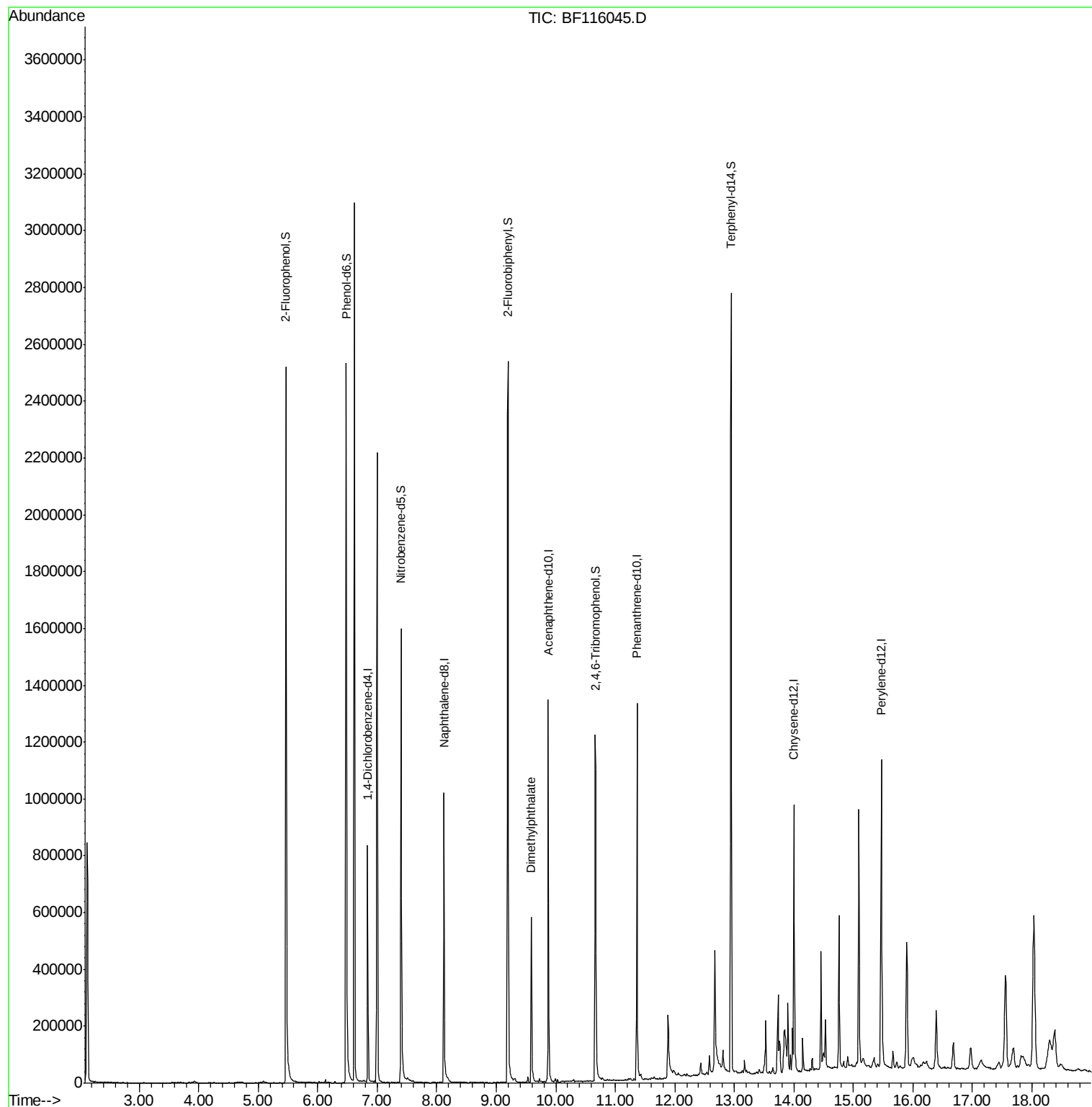
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.84  | 152  | 129525   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.12  | 136  | 515866   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.87  | 164  | 274268   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.36 | 188  | 487397   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.00 | 240  | 310916   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.47 | 264  | 295242   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 789420   | 102.03 | ng    | 0.00     |
| 7) Phenol-d6                | 6.48  | 99   | 1028158  | 105.32 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 585005   | 65.46  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.67 | 330  | 175676   | 66.07  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.20  | 172  | 896502   | 61.23  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.94 | 244  | 910472   | 61.71  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 50) Dimethylphthalate       | 9.59  | 163  | 300181   | 16.074 | ng    | 99       |

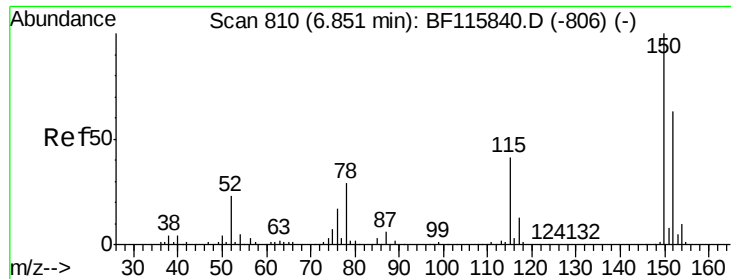
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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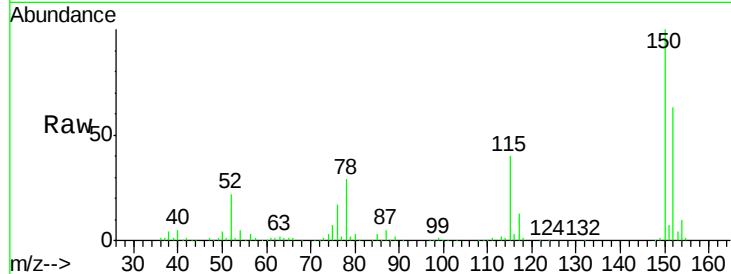


#1

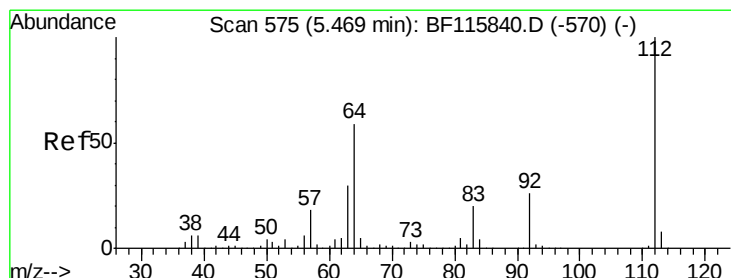
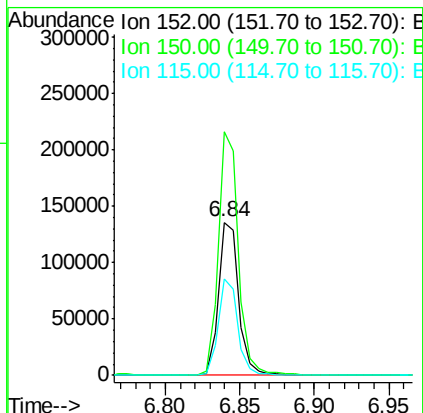
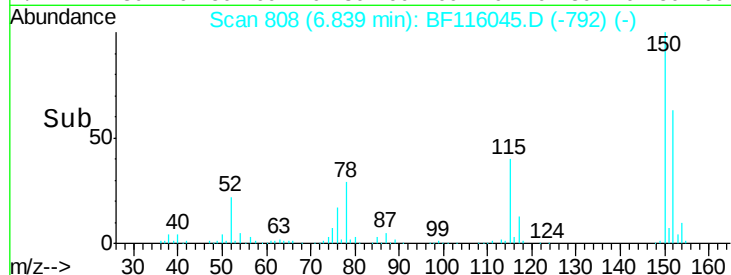
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.84 min Scan# 808  
Delta R.T. -0.01 min  
Lab File: BF116045.D  
Acq: 7 Aug 2019 12:47

Instrument :  
BNA\_F  
ClientSampleId :  
PS-7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.2 | 126.2 | 189.2 |
| 115     | 63.2  | 49.9  | 74.9  |



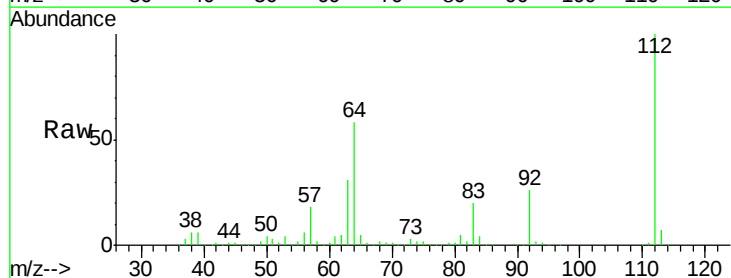
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



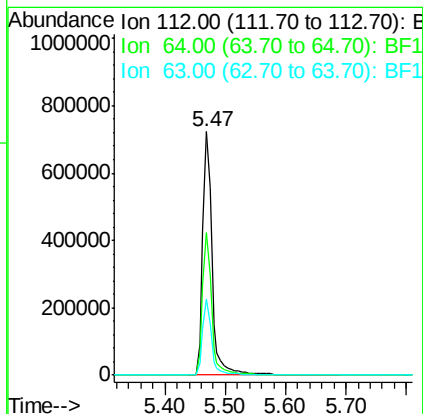
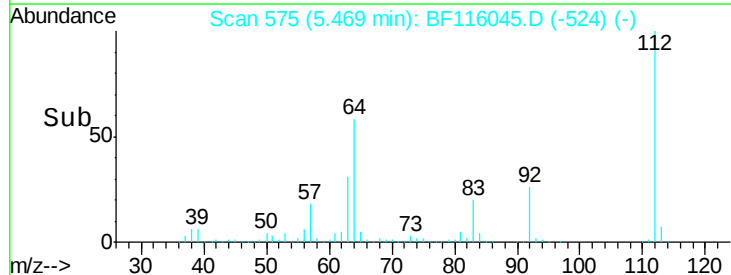
#5

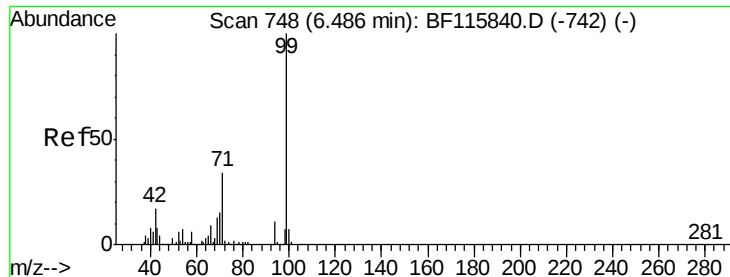
2-Fluorophenol  
Concen: 102.030 ng  
RT: 5.47 min Scan# 575  
Delta R.T. -0.00 min  
Lab File: BF116045.D  
Acq: 7 Aug 2019 12:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.3  | 45.4  | 68.2  |
| 63      | 31.0  | 23.7  | 35.5  |



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: 105.325 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116045.D

Acq: 7 Aug 2019 12:47

Instrument :

BNA\_F

ClientSampleId :

PS-7

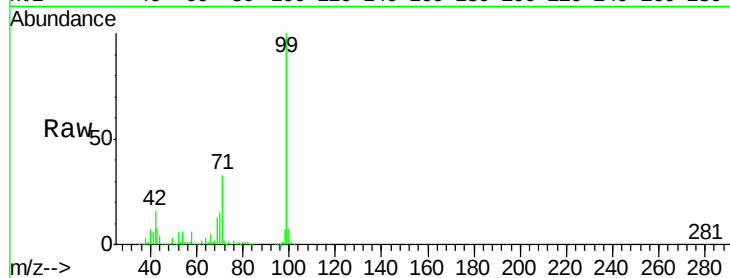
Tot Ion: 99 Resp: 1028158

Ion Ratio Lower Upper

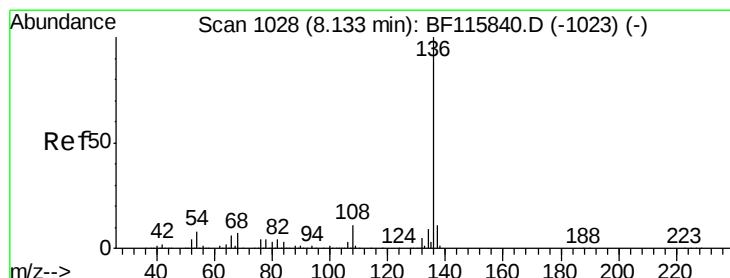
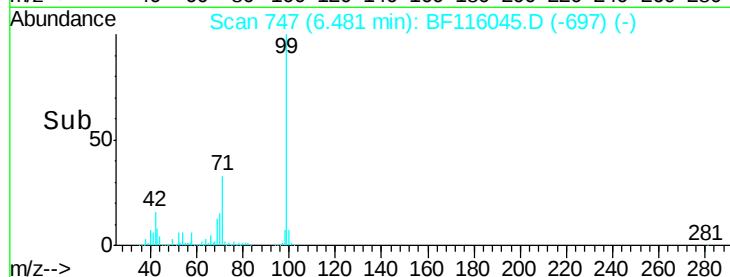
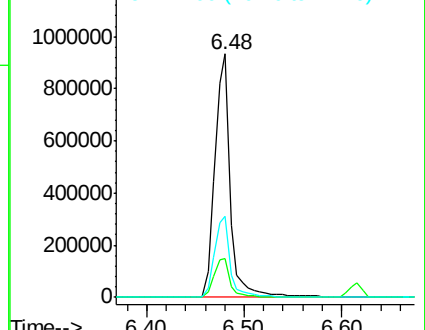
99 100

42 16.2 13.8 20.8

71 33.5 27.3 40.9



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: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF116045.D

Acq: 7 Aug 2019 12:47

Tgt Ion: 136 Resp: 515866

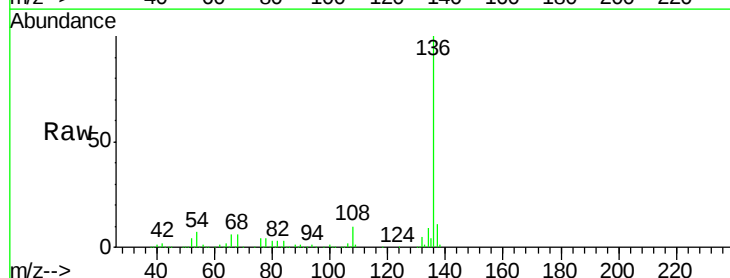
Ion Ratio Lower Upper

136 100

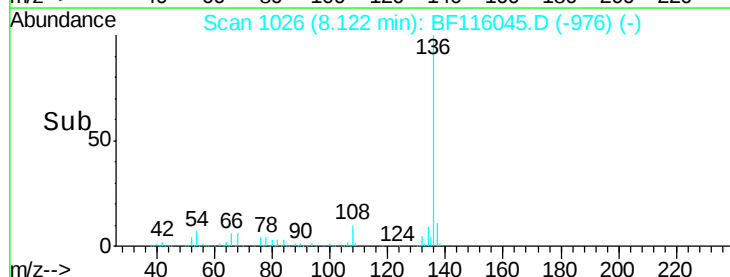
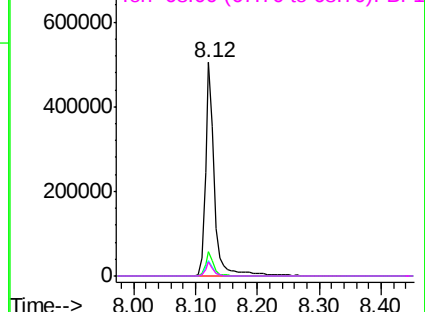
137 11.4 9.0 13.4

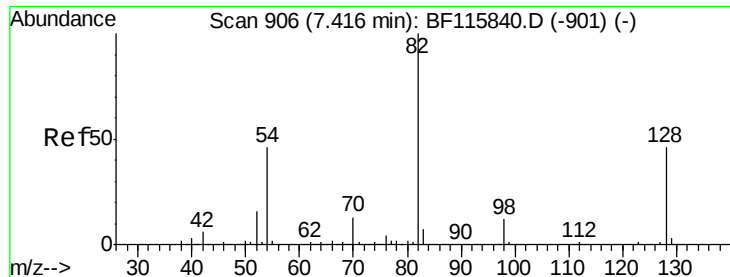
54 7.1 5.8 8.6

68 6.4 5.2 7.8



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

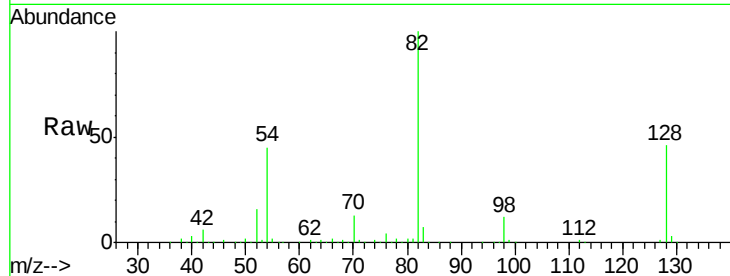




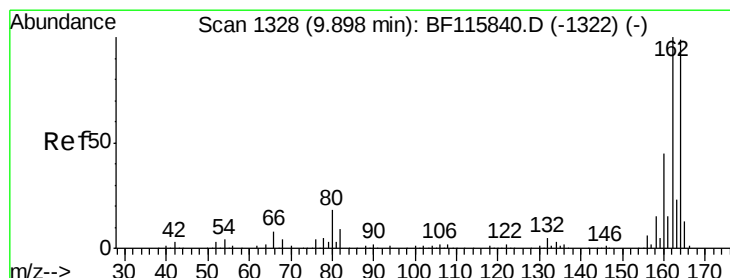
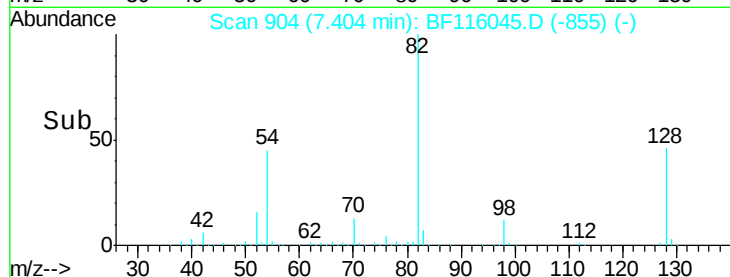
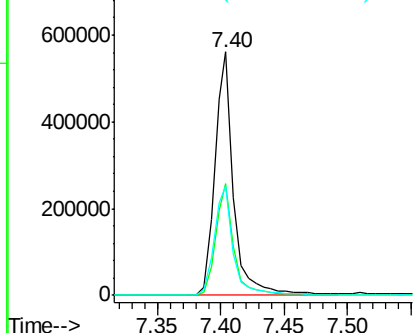
#23  
Nitrobenzene-d5  
Concen: 65.459 ng  
RT: 7.40 min Scan# 904  
Delta R.T. -0.01 min  
Lab File: BF116045.D  
Acq: 7 Aug 2019 12:47

Instrument :  
BNA\_F  
ClientSampleId :  
PS-7

Tot Ion: 82 Resp: 585005  
Ion Ratio Lower Upper  
82 100  
128 46.0 36.5 54.7  
54 44.7 36.0 54.0

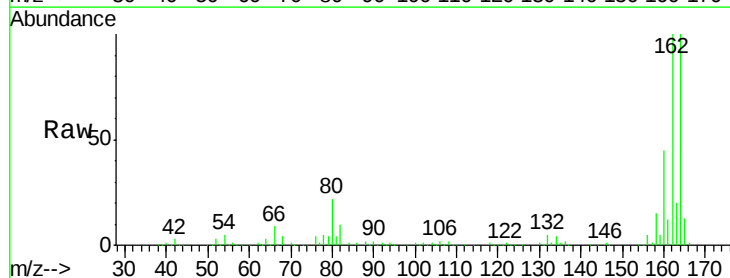


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

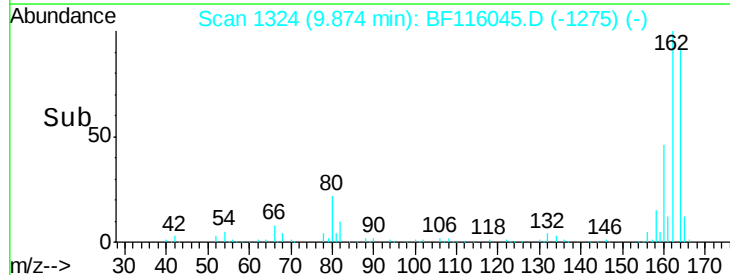
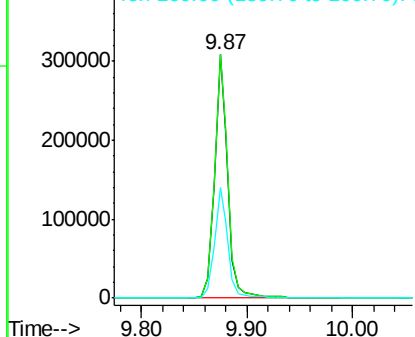


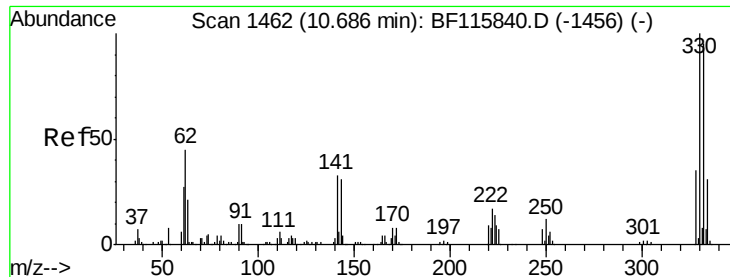
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.87 min Scan# 1324  
Delta R.T. -0.01 min  
Lab File: BF116045.D  
Acq: 7 Aug 2019 12:47

Tgt Ion: 164 Resp: 274268  
Ion Ratio Lower Upper  
164 100  
162 99.9 82.6 124.0  
160 45.3 37.6 56.4



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

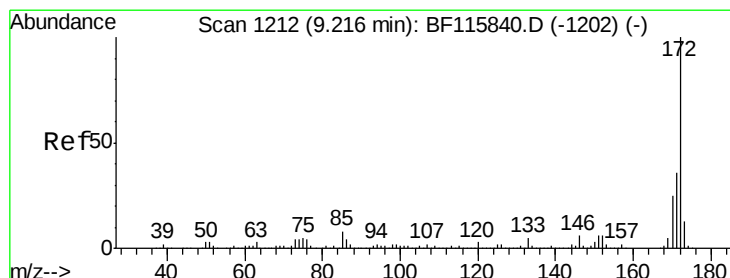
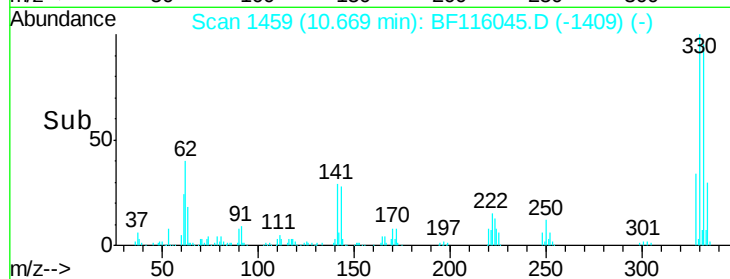
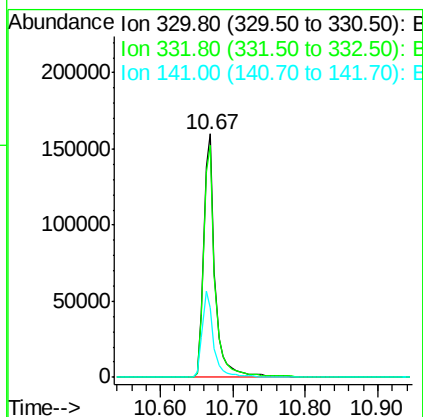
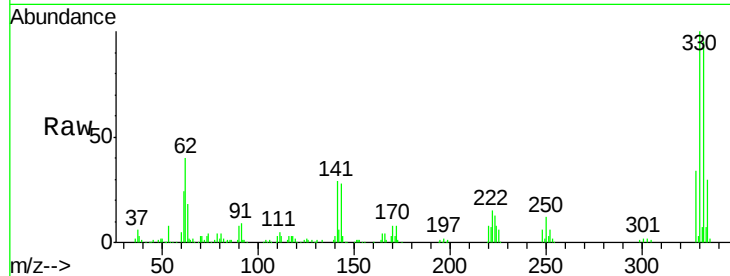




#42  
 2,4,6-Tribromophenol  
 Concen: 66.066 ng  
 RT: 10.67 min Scan# 1459  
 Delta R.T. -0.01 min  
 Lab File: BF116045.D  
 Acq: 7 Aug 2019 12:47

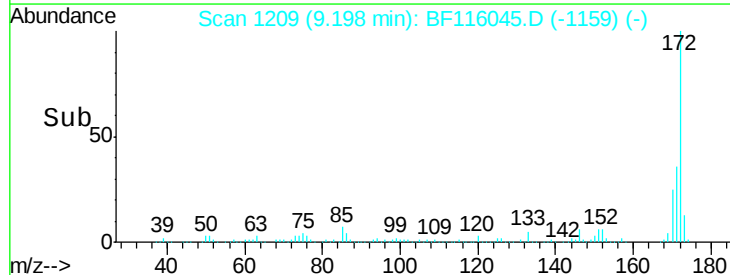
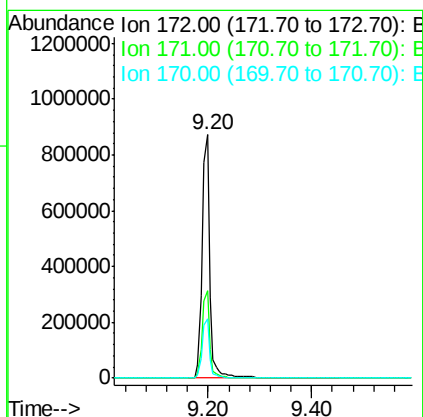
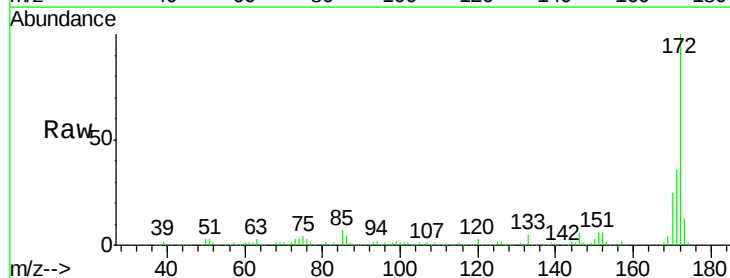
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PS-7

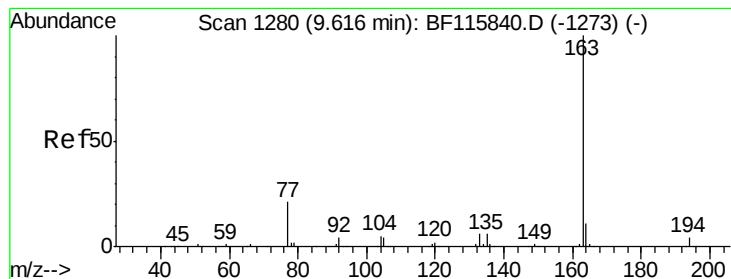
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.4  | 76.8  | 115.2 |
| 141     | 35.5  | 26.3  | 39.5  |



#45  
 2-Fluorobiphenyl  
 Concen: 61.225 ng  
 RT: 9.20 min Scan# 1209  
 Delta R.T. -0.01 min  
 Lab File: BF116045.D  
 Acq: 7 Aug 2019 12:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 29.6  | 44.4  |
| 170     | 24.6  | 20.1  | 30.1  |





#50

Dimethylphthalate

Concen: 16.074 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF116045.D

Acq: 7 Aug 2019 12:47

Instrument :

BNA\_F

ClientSampleId :

PS-7

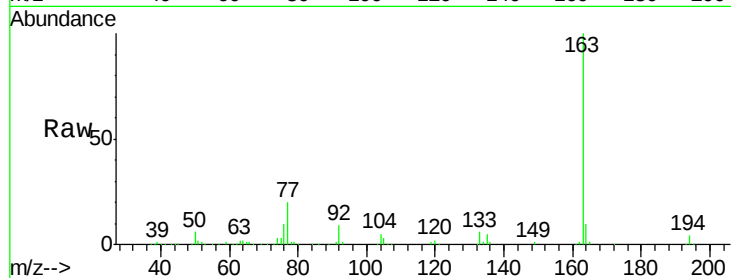
Tot Ion:163 Resp: 300181

Ion Ratio Lower Upper

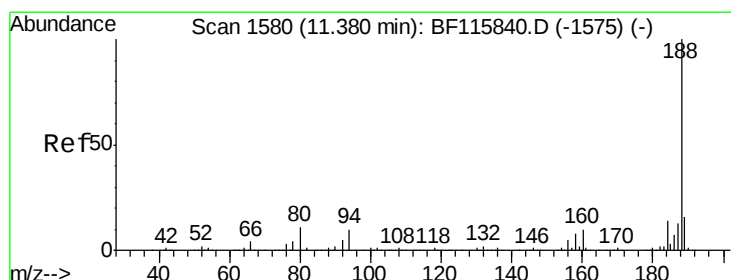
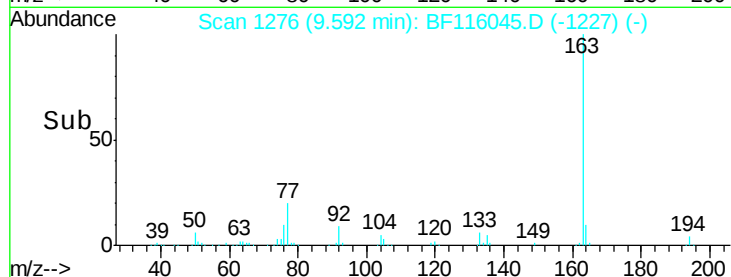
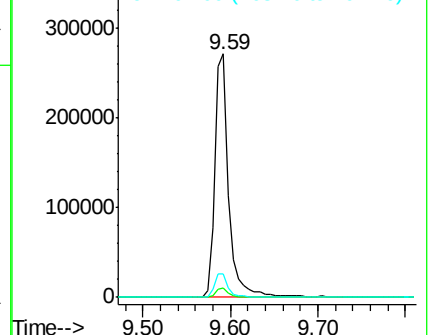
163 100

194 3.9 3.0 4.6

164 9.8 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: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116045.D

Acq: 7 Aug 2019 12:47

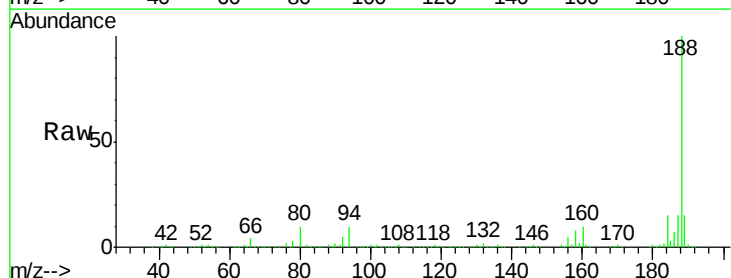
Tgt Ion:188 Resp: 487397

Ion Ratio Lower Upper

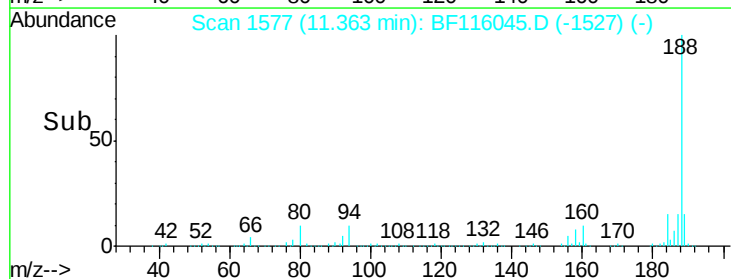
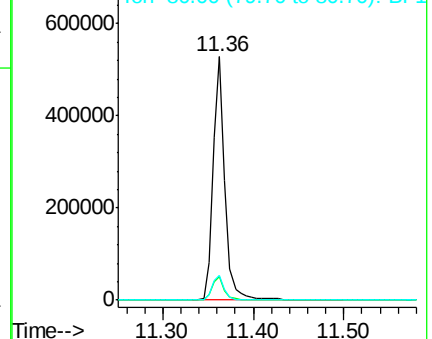
188 100

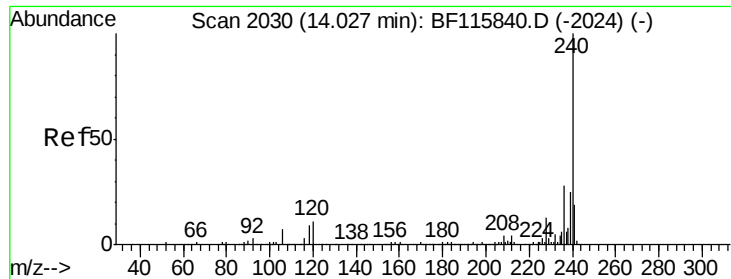
94 9.8 8.1 12.1

80 10.2 8.7 13.1



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

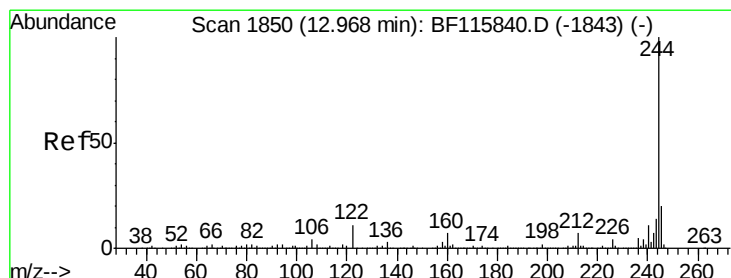
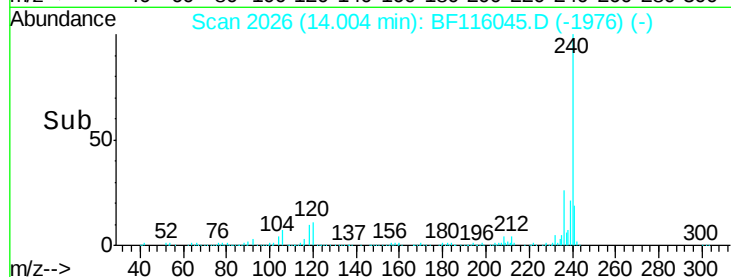
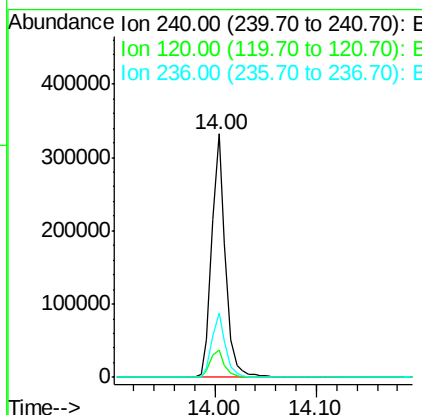
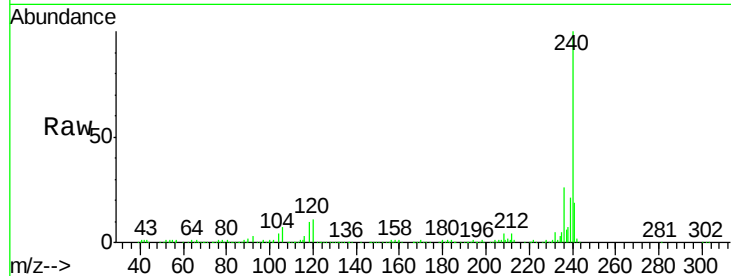




#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 14.00 min Scan# 2026  
 Delta R.T. -0.01 min  
 Lab File: BF116045.D  
 Acq: 7 Aug 2019 12:47

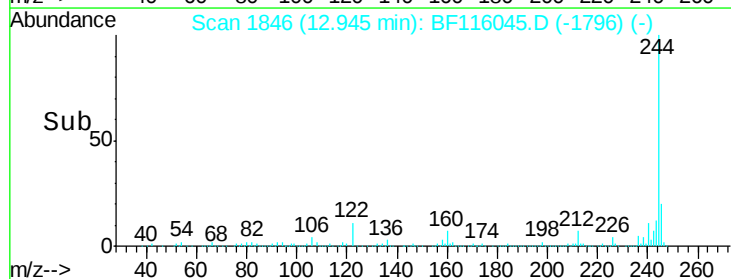
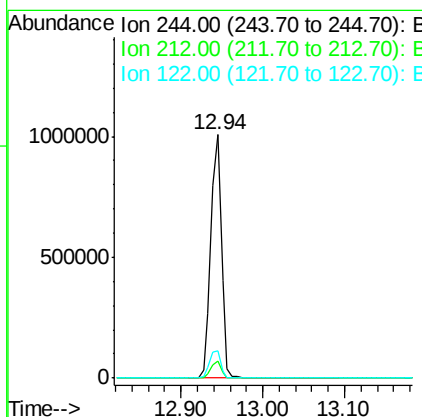
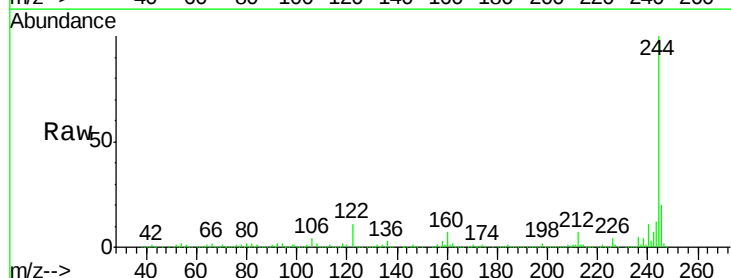
Instrument :  
 BNA\_F  
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 PS-7

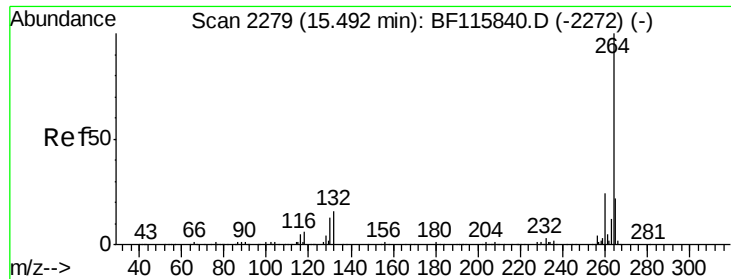
Tot Ion:240 Resp: 310916  
 Ion Ratio Lower Upper  
 240 100  
 120 11.1 10.7 16.1  
 236 26.3 22.2 33.2



#79  
 Terphenyl-d14  
 Concen: 61.705 ng  
 RT: 12.94 min Scan# 1846  
 Delta R.T. -0.01 min  
 Lab File: BF116045.D  
 Acq: 7 Aug 2019 12:47

Tgt Ion:244 Resp: 910472  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.8 8.8  
 122 11.1 9.0 13.4





#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.47 min Scan# 2275  
 Delta R.T. -0.01 min  
 Lab File: BF116045.D  
 Acq: 7 Aug 2019 12:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PS-7

Tot Ion:264 Resp: 295242  
 Ion Ratio Lower Upper  
 264 100  
 260 24.6 19.7 29.5  
 265 21.5 17.4 26.0

