

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080519\  
 Data File : BF115987.D  
 Acq On : 5 Aug 2019 18:41  
 Operator : HP/JU  
 Sample : K4156-10  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RT3456

Quant Time: Aug 06 02:37:41 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 31 15:31:51 2019  
 Response via : Initial Calibration

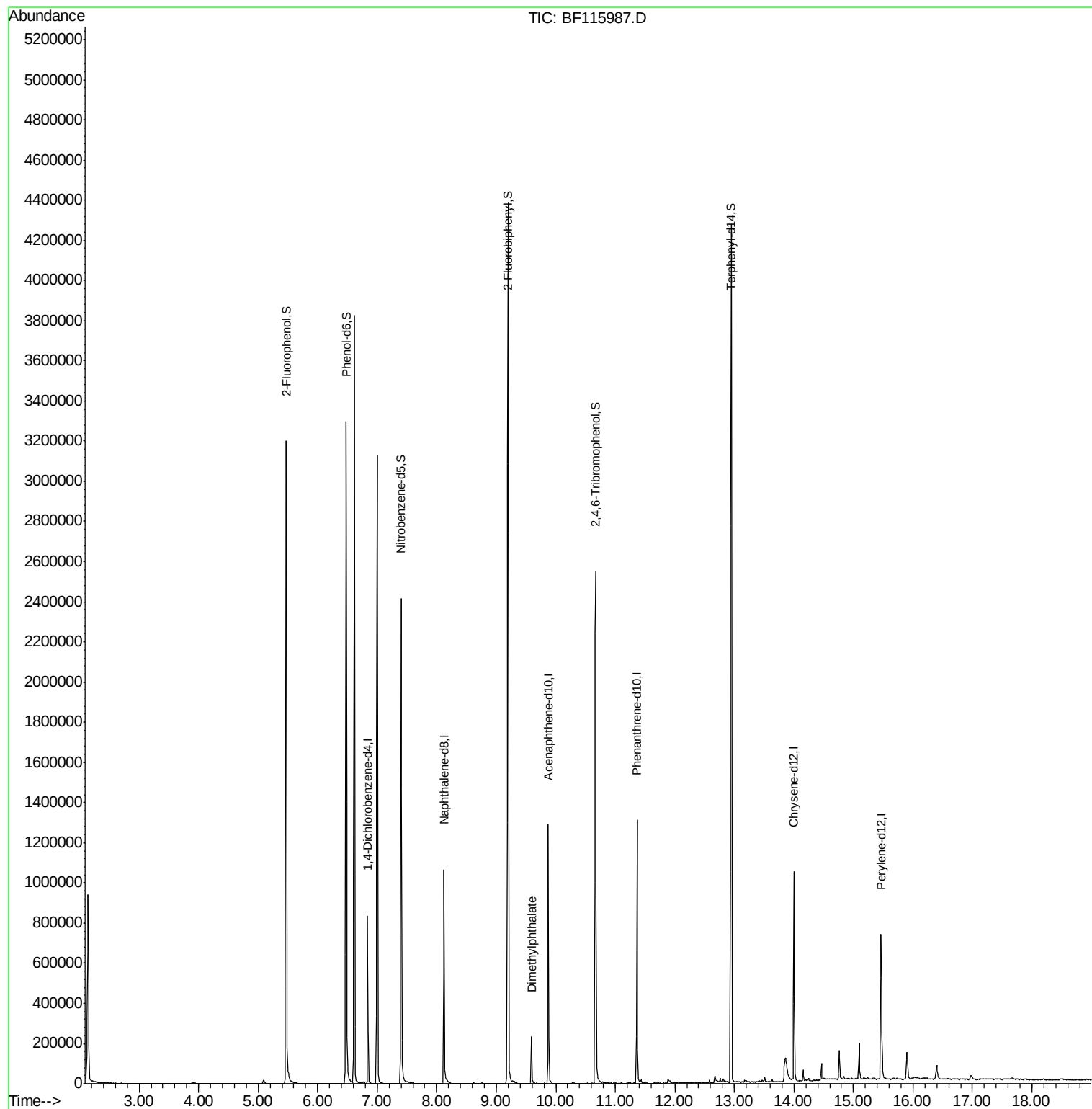
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 132815   | 20.00  | ng    | 0.00          |
| 21) Naphthalene-d8          | 8.12  | 136  | 503453   | 20.00  | ng    | -0.01         |
| 39) Acenaphthene-d10        | 9.87  | 164  | 270027   | 20.00  | ng    | -0.02         |
| 64) Phenanthrene-d10        | 11.36 | 188  | 490775   | 20.00  | ng    | -0.02         |
| 76) Chrysene-d12            | 14.00 | 240  | 380242   | 20.00  | ng    | -0.02         |
| 87) Perylene-d12            | 15.46 | 264  | 323877   | 20.00  | ng    | -0.03         |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.47  | 112  | 1034714  | 130.42 | ng    | 0.00          |
| 7) Phenol-d6                | 6.48  | 99   | 1343122  | 134.18 | ng    | 0.00          |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 876143   | 100.45 | ng    | -0.01         |
| 42) 2,4,6-Tribromophenol    | 10.67 | 330  | 348729   | 133.21 | ng    | -0.02         |
| 45) 2-Fluorobiphenyl        | 9.20  | 172  | 1477424  | 102.48 | ng    | -0.02         |
| 79) Terphenyl-d14           | 12.95 | 244  | 1699493  | 94.18  | ng    | -0.02         |
| Target Compounds            |       |      |          |        |       |               |
| 50) Dimethylphthalate       | 9.59  | 163  | 115704   | 6.293  | ng    | Qvalue<br>100 |

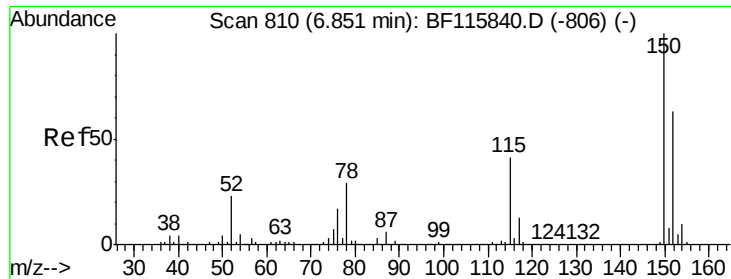
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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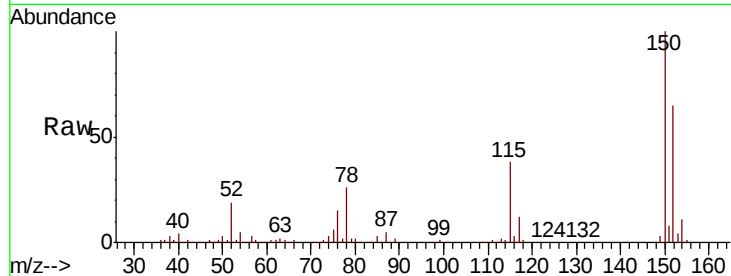


#1

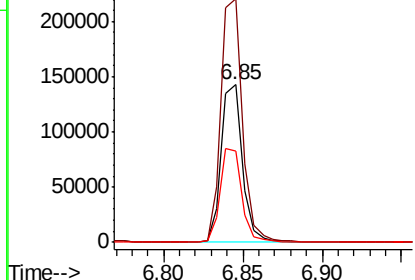
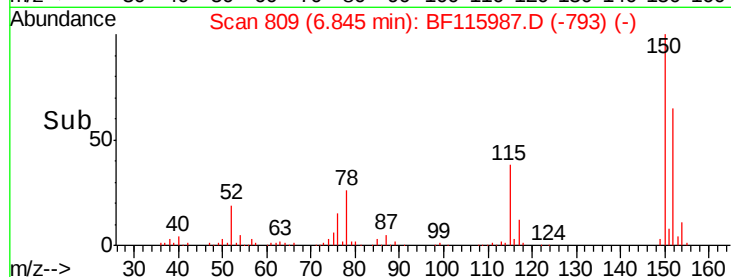
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.85 min Scan# 809  
 Delta R.T. -0.01 min  
 Lab File: BF115987.D  
 Acq: 5 Aug 2019 18:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RT3456

Tot Ion:152 Resp: 132815  
 Ion Ratio Lower Upper  
 152 100  
 150 154.5 127.4 191.0  
 115 58.1 51.8 77.8



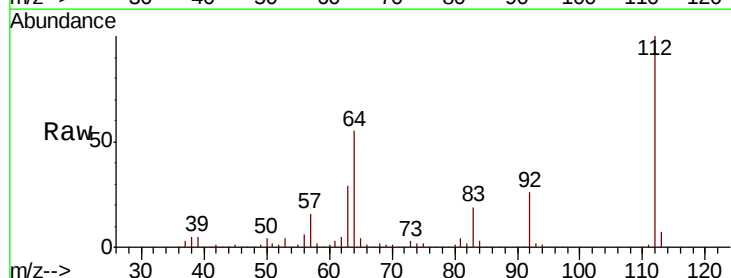
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



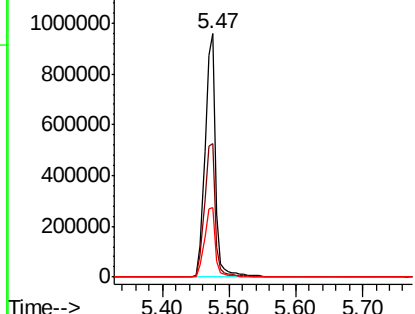
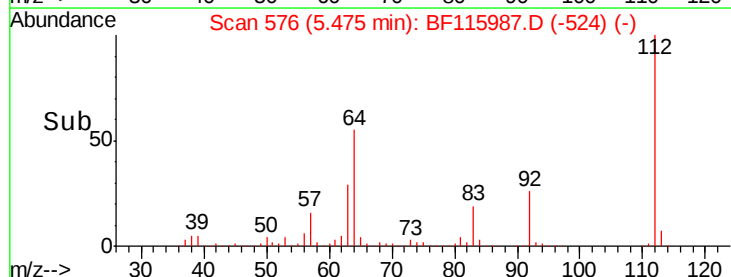
#5

2-Fluorophenol  
 Concen: 130.420 ng  
 RT: 5.47 min Scan# 576  
 Delta R.T. 0.01 min  
 Lab File: BF115987.D  
 Acq: 5 Aug 2019 18:41

Tgt Ion:112 Resp: 1034714  
 Ion Ratio Lower Upper  
 112 100  
 64 54.8 46.8 70.2  
 63 28.5 24.2 36.2



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: 134.181 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115987.D

Acq: 5 Aug 2019 18:41

Instrument :

BNA\_F

ClientSampleId :

RT3456

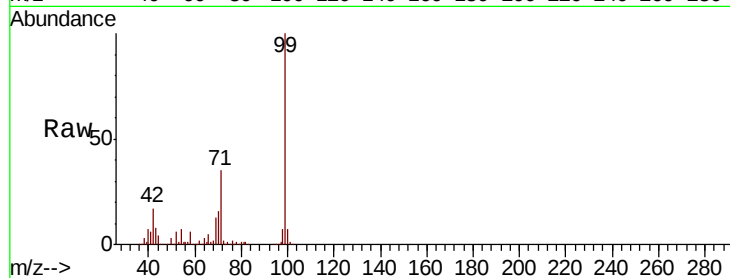
Tot Ion: 99 Resp: 1343122

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.1  | 13.8  | 20.6  |
| 71  | 34.7  | 27.1  | 40.7  |

99 100

42 17.1 13.8 20.6

71 34.7 27.1 40.7

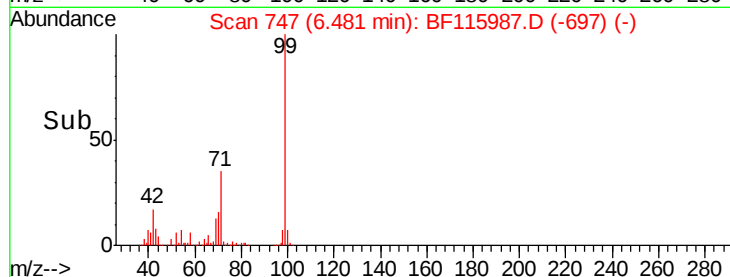
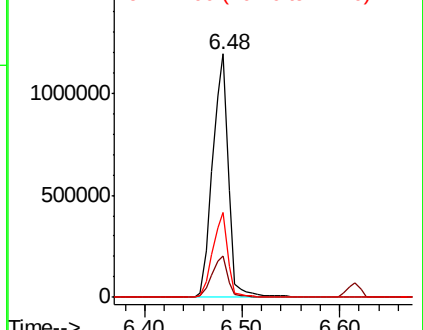


Abundance

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: BF115987.D

Acq: 5 Aug 2019 18:41

Tgt Ion: 136 Resp: 503453

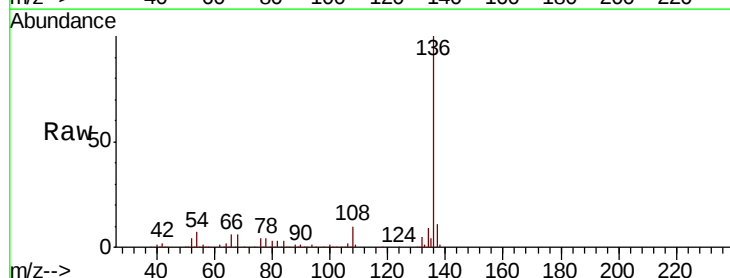
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 9.1   | 13.7  |
| 54  | 7.2   | 6.1   | 9.1   |
| 68  | 6.3   | 5.4   | 8.2   |

136 100

137 11.0 9.1 13.7

54 7.2 6.1 9.1

68 6.3 5.4 8.2



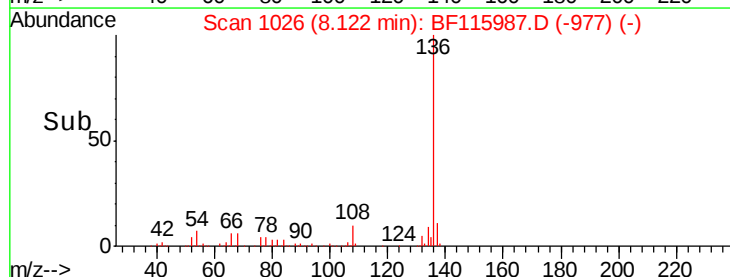
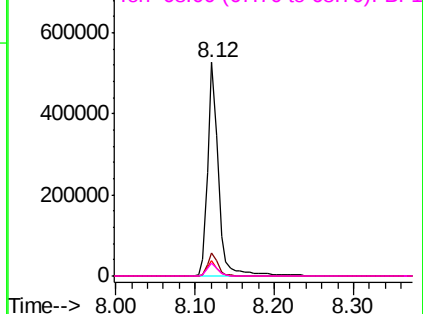
Abundance

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

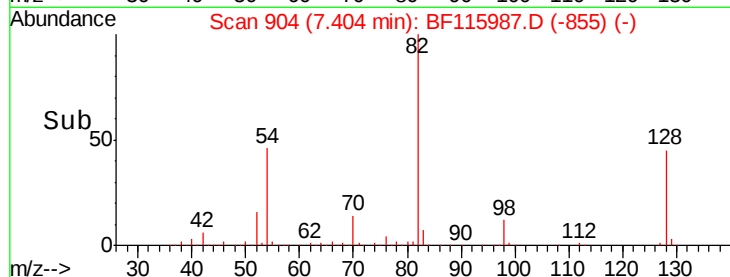
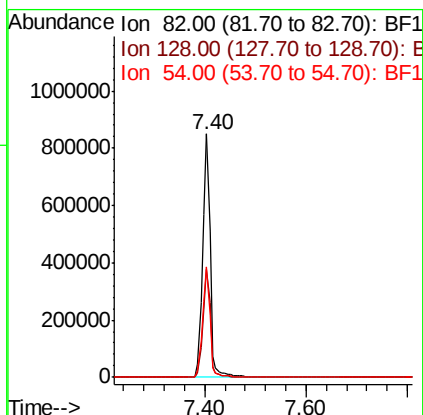
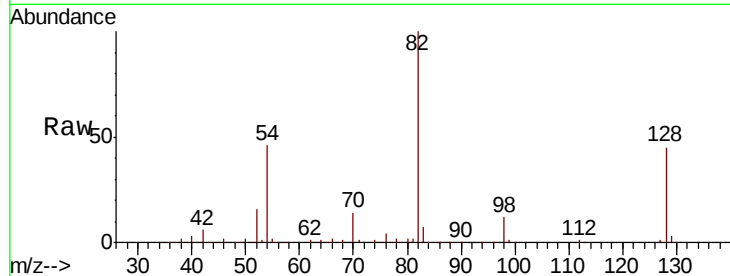




#23  
 Nitrobenzene-d5  
 Concen: 100.454 ng  
 RT: 7.40 min Scan# 904  
 Delta R.T. -0.01 min  
 Lab File: BF115987.D  
 Acq: 5 Aug 2019 18:41

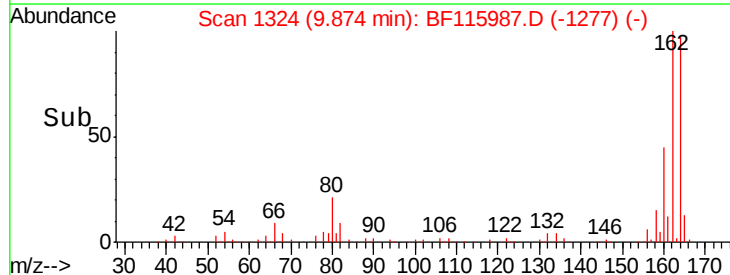
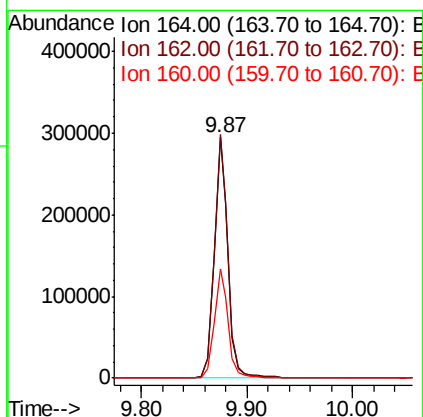
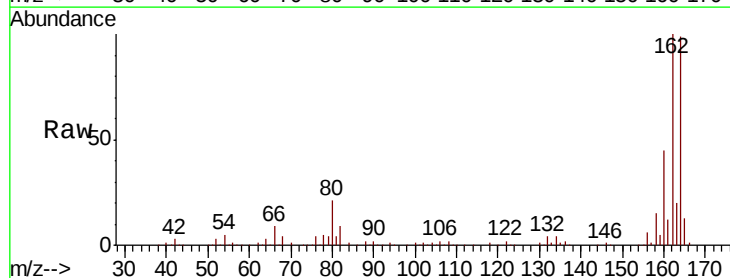
Instrument :  
 BNA\_F  
 ClientSampled :  
 RT3456

Tot Ion: 82 Resp: 876143  
 Ion Ratio Lower Upper  
 82 100  
 128 44.6 36.6 55.0  
 54 45.5 36.6 55.0



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.87 min Scan# 1324  
 Delta R.T. -0.02 min  
 Lab File: BF115987.D  
 Acq: 5 Aug 2019 18:41

Tgt Ion:164 Resp: 270027  
 Ion Ratio Lower Upper  
 164 100  
 162 101.1 80.8 121.2  
 160 45.5 36.2 54.4

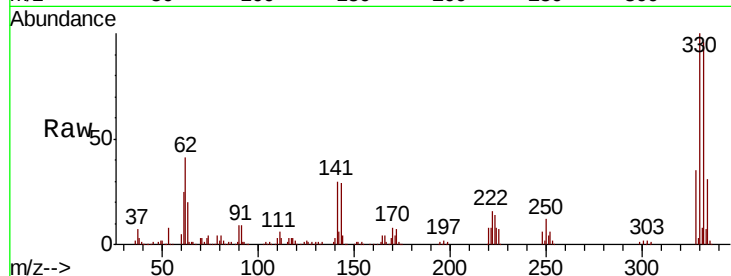




#42  
 2,4,6-Tribromophenol  
 Concen: 133.205 ng  
 RT: 10.67 min Scan# 1459  
 Delta R.T. -0.02 min  
 Lab File: BF115987.D  
 Acq: 5 Aug 2019 18:41

Instrument :  
 BNA\_F  
 ClientSampleID :  
 RT3456

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.7  | 77.7  | 116.5 |
| 141     | 33.6  | 28.1  | 42.1  |

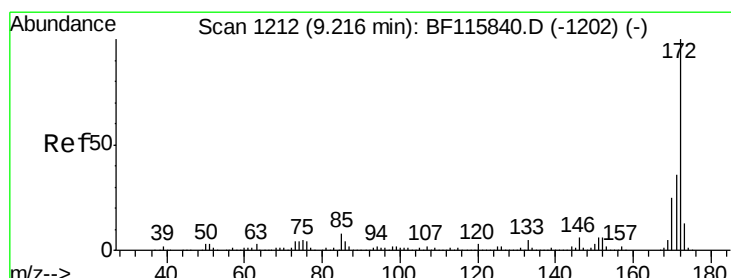
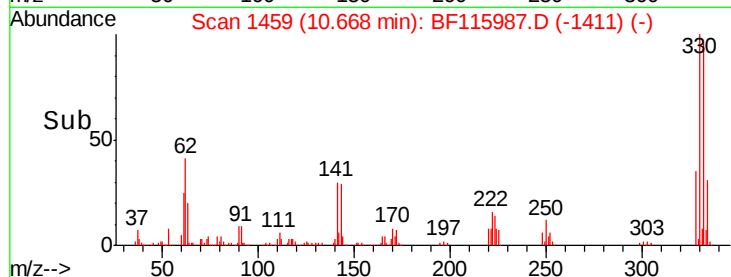
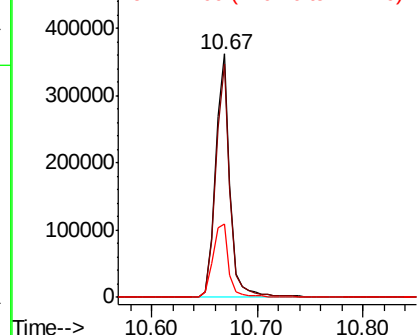


Abundance

Ion 329.80 (329.50 to 330.50): E

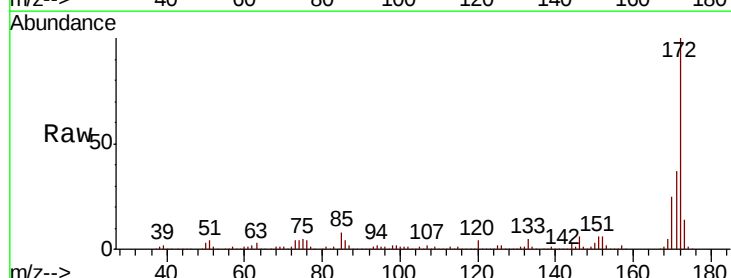
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 102.483 ng  
 RT: 9.20 min Scan# 1209  
 Delta R.T. -0.02 min  
 Lab File: BF115987.D  
 Acq: 5 Aug 2019 18:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 29.1  | 43.7  |
| 170     | 25.2  | 20.1  | 30.1  |

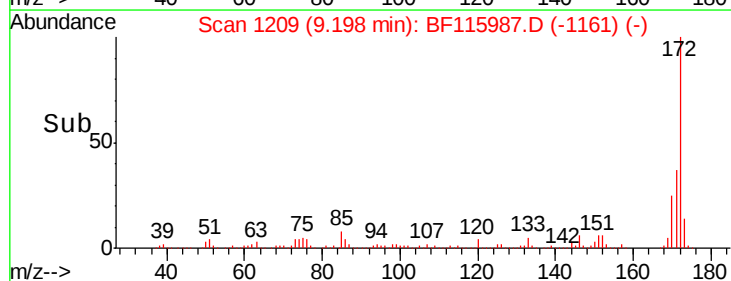
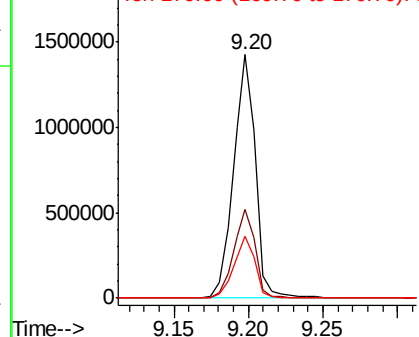


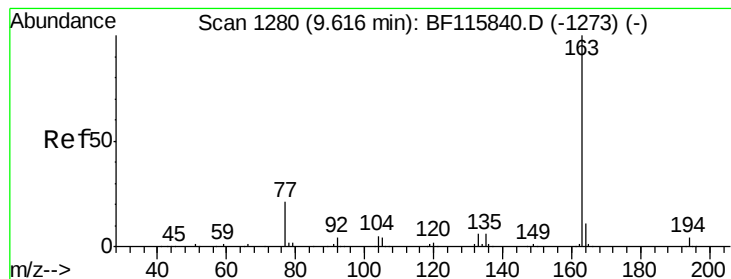
Abundance

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: 6.293 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF115987.D

Acq: 5 Aug 2019 18:41

Instrument :

BNA\_F

ClientSampled :

RT3456

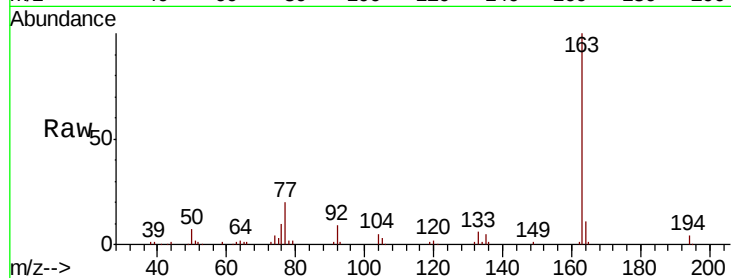
Tot Ion:163 Resp: 115704

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

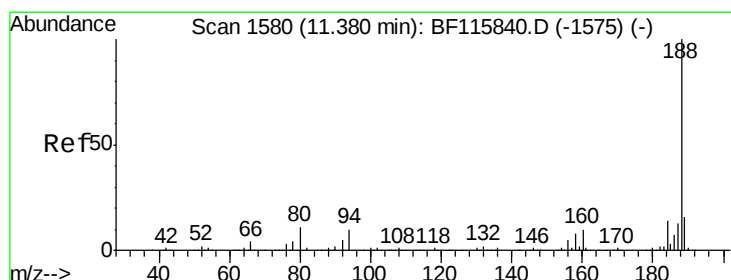
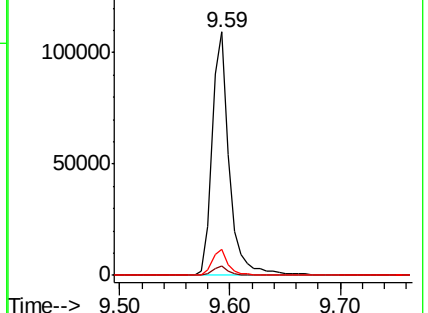
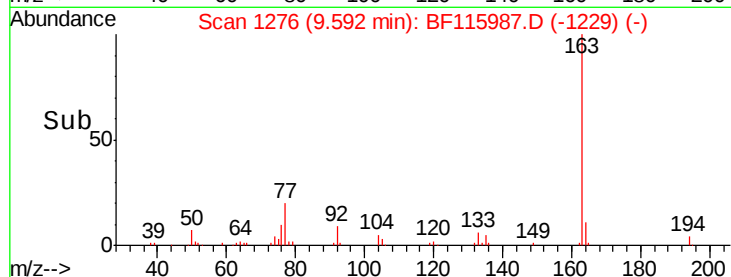
164 10.5 8.4 12.6



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. -0.02 min

Lab File: BF115987.D

Acq: 5 Aug 2019 18:41

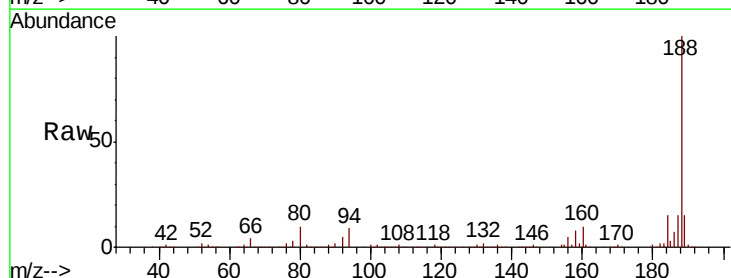
Tgt Ion:188 Resp: 490775

Ion Ratio Lower Upper

188 100

94 9.4 8.0 12.0

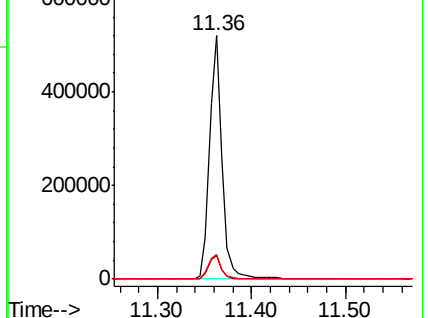
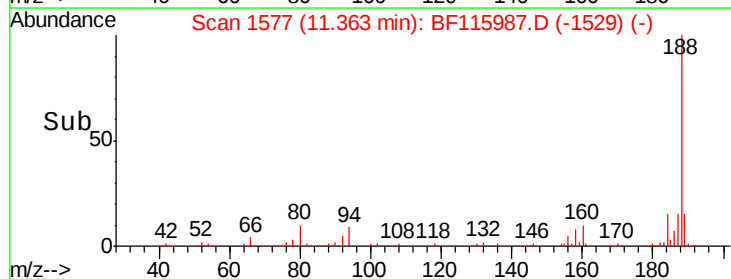
80 10.2 8.6 12.8

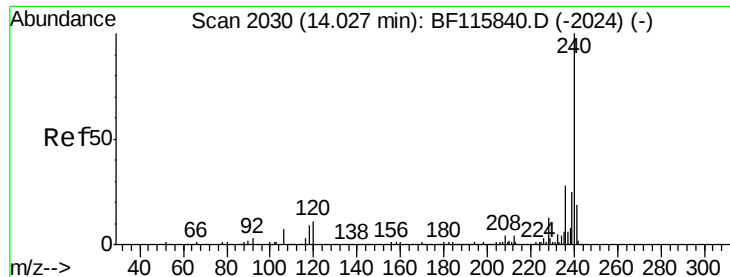


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

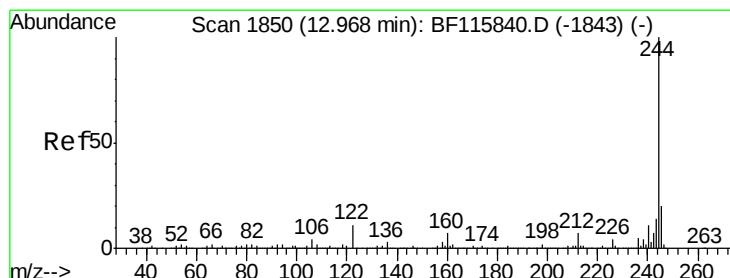
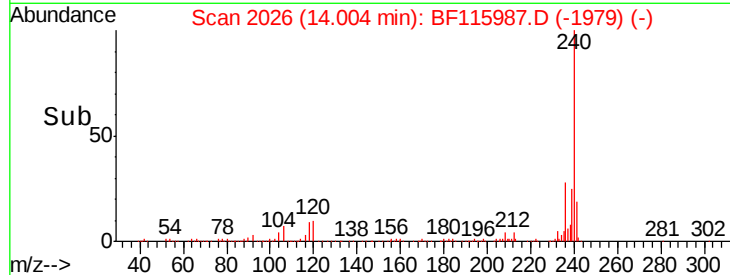
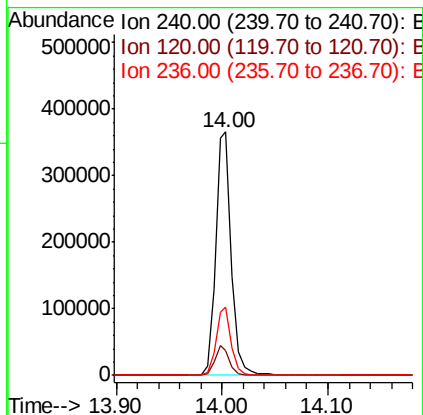
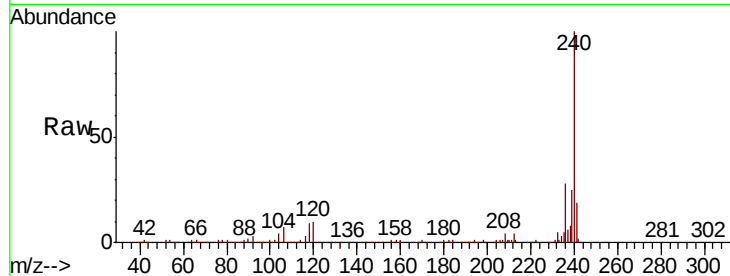




#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 14.00 min Scan# 2026  
 Delta R.T. -0.02 min  
 Lab File: BF115987.D  
 Acq: 5 Aug 2019 18:41

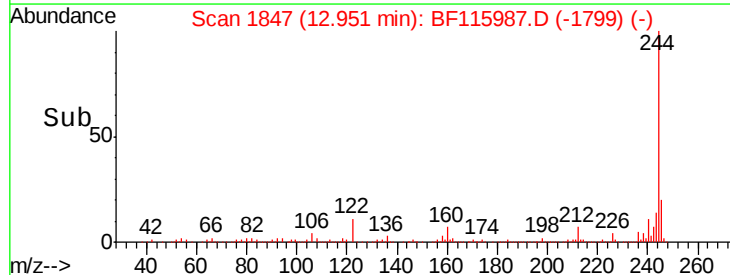
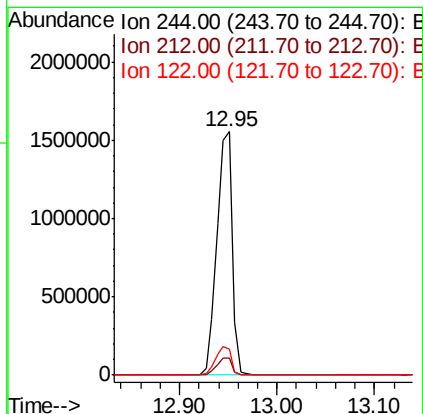
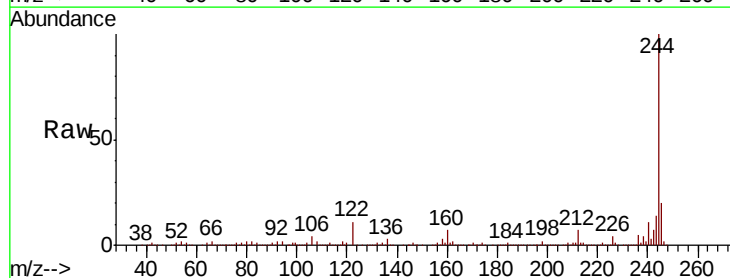
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RT3456

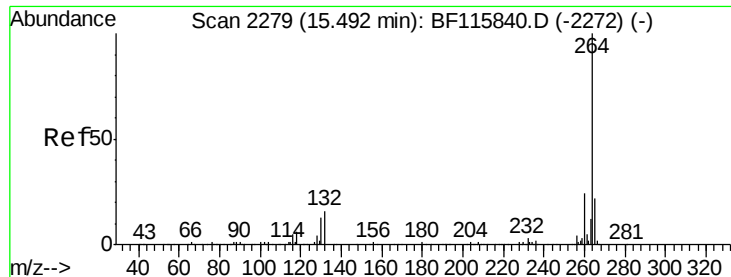
Tot Ion:240 Resp: 380242  
 Ion Ratio Lower Upper  
 240 100  
 120 9.9 8.5 12.7  
 236 28.0 22.2 33.2



#79  
 Terphenyl-d14  
 Concen: 94.180 ng  
 RT: 12.95 min Scan# 1847  
 Delta R.T. -0.02 min  
 Lab File: BF115987.D  
 Acq: 5 Aug 2019 18:41

Tgt Ion:244 Resp: 1699493  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.6 8.4  
 122 10.7 8.6 13.0





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.46 min Scan# 2274  
Delta R.T. -0.03 min  
Lab File: BF115987.D  
Acq: 5 Aug 2019 18:41

Instrument :  
BNA\_F  
ClientSampleId :  
RT3456

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.9  | 19.4  | 29.2  |
| 265     | 22.1  | 17.5  | 26.3  |

