

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\  
 Data File : BF115690.D  
 Acq On : 19 Jul 2019 23:39  
 Operator : HP/JU  
 Sample : K3900-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 20 04:00:32 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 12 14:03:52 2019  
 Response via : Initial Calibration

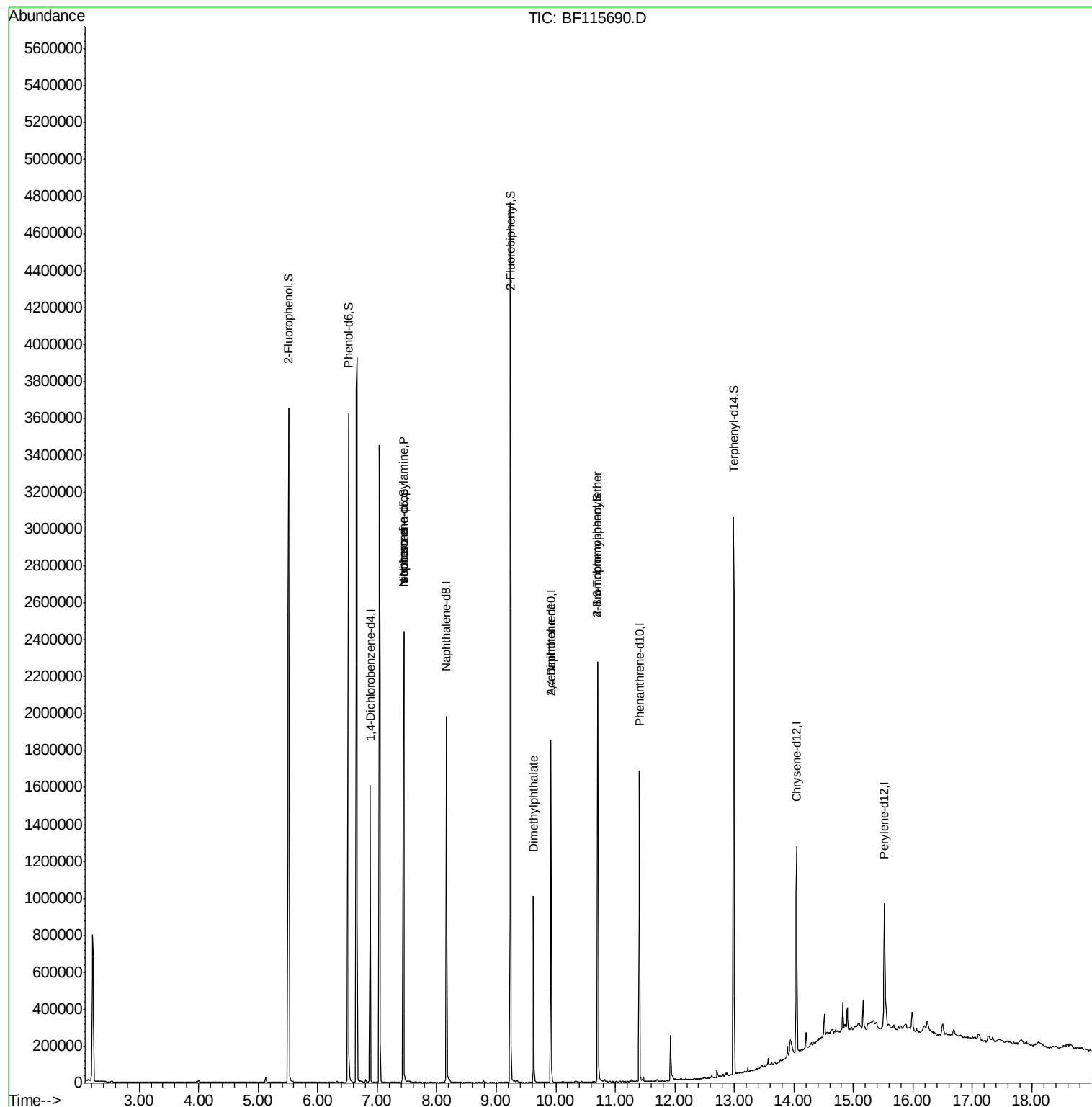
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.88  | 152  | 216059   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.16  | 136  | 829416   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.92  | 164  | 366820   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.40 | 188  | 570076   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 14.04 | 240  | 358015   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.52 | 264  | 322699   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.51  | 112  | 1158435  | 87.70  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.52  | 99   | 1494955  | 89.19  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.45  | 82   | 942273   | 66.06  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.71 | 330  | 318746   | 74.44  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.24  | 172  | 1414623  | 67.50  | ng    | -0.01    |
| 79) Terphenyl-d14              | 12.99 | 244  | 1048133  | 54.02  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.45  | 70   | 125548   | 11.485 | ng    | # 77     |
| 25) Isophorone                 | 7.45  | 82   | 927077   | 32.480 | ng    | # 64     |
| 50) Dimethylphthalate          | 9.63  | 163  | 360368   | 13.058 | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 9.92  | 165  | 47367    | 5.829  | ng    | # 24     |
| 67) 4-Bromophenyl-phenylether  | 10.71 | 248  | 19441    | 2.984  | ng    | # 1      |

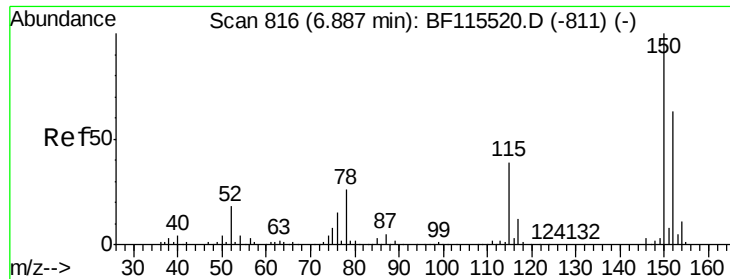
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 19 Jul 2019 23:39  
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Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Jul 20 04:00:32 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jul 12 14:03:52 2019  
Response via : Initial Calibration



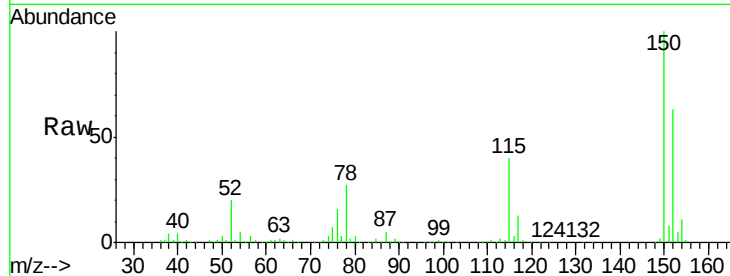


#1

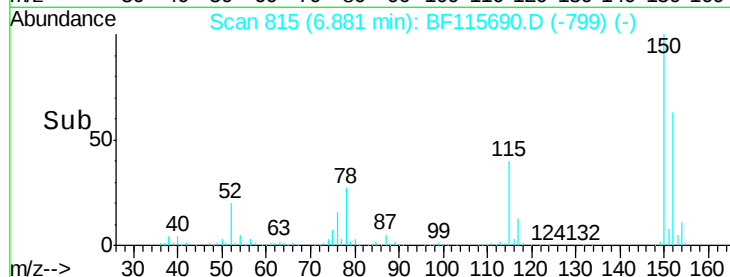
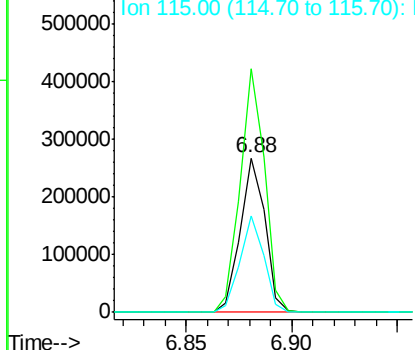
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.88 min Scan# 815  
Delta R.T. -0.01 min  
Lab File: BF115690.D  
Acq: 19 Jul 2019 23:39

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 216059  
Ion Ratio Lower Upper  
152 100  
150 157.5 129.7 194.5  
115 62.2 48.2 72.4



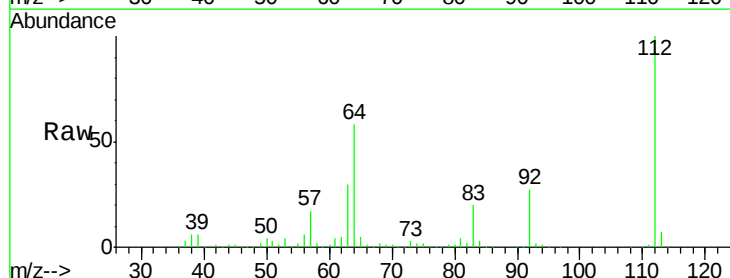
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



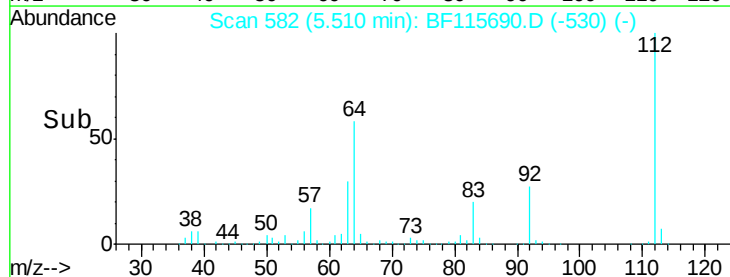
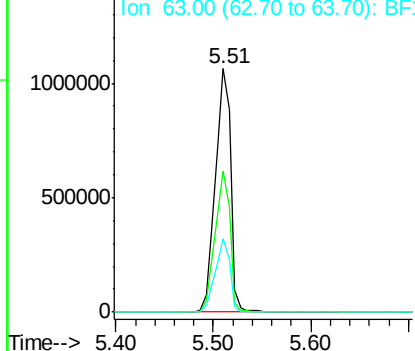
#5

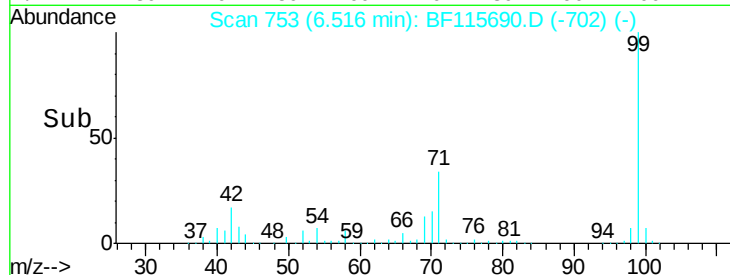
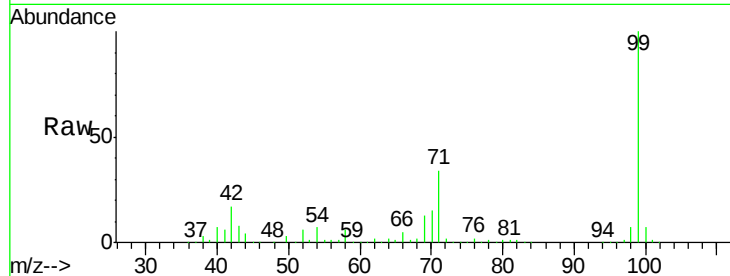
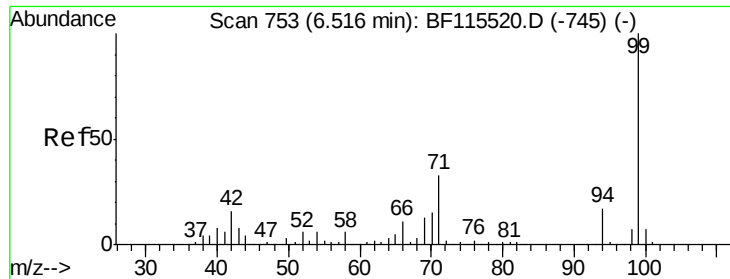
2-Fluorophenol  
Concen: 87.701 ng  
RT: 5.51 min Scan# 582  
Delta R.T. 0.01 min  
Lab File: BF115690.D  
Acq: 19 Jul 2019 23:39

Tgt Ion:112 Resp: 1158435  
Ion Ratio Lower Upper  
112 100  
64 57.9 46.8 70.2  
63 30.3 24.1 36.1



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: 89.195 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF115690.D

Acq: 19 Jul 2019 23:39

Instrument :

BNA\_F

ClientSampleId :

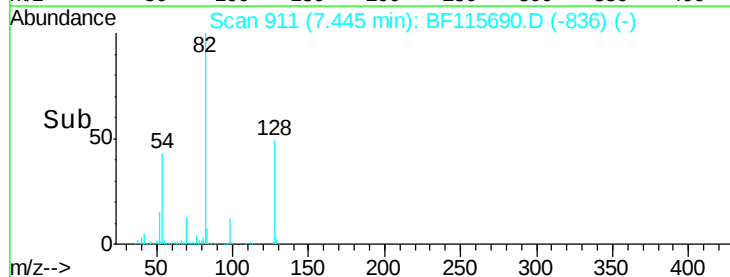
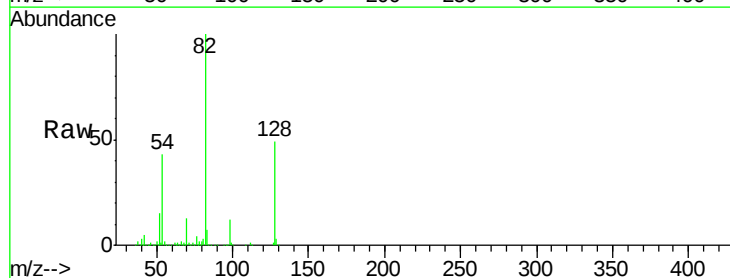
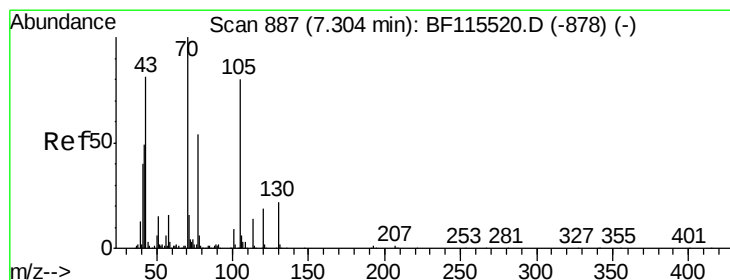
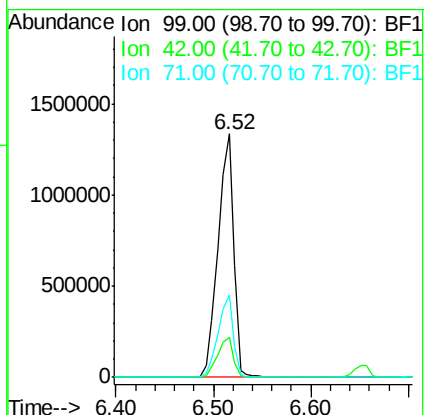
Tot Ion: 99 Resp: 1494955

Ion Ratio Lower Upper

99 100

42 16.5 13.6 20.4

71 33.7 28.5 42.7



#19

n-Nitroso-di-n-propylamine

Concen: 11.485 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF115690.D

Acq: 19 Jul 2019 23:39

Tgt Ion: 70 Resp: 125548

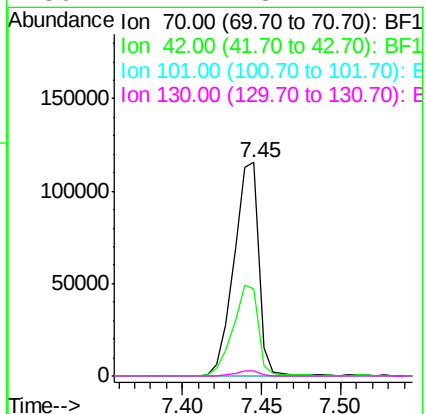
Ion Ratio Lower Upper

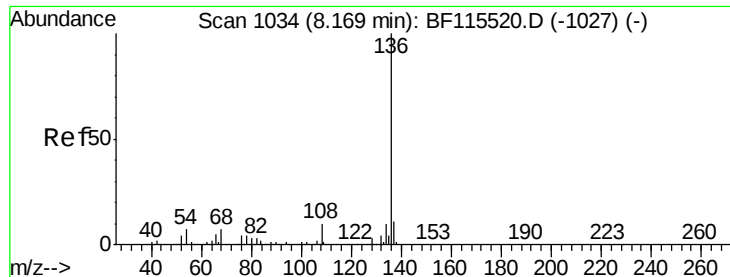
70 100

42 40.7 39.6 59.4

101 0.0 8.1 12.1#

130 2.1 18.2 27.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115690.D

Acq: 19 Jul 2019 23:39

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 829416

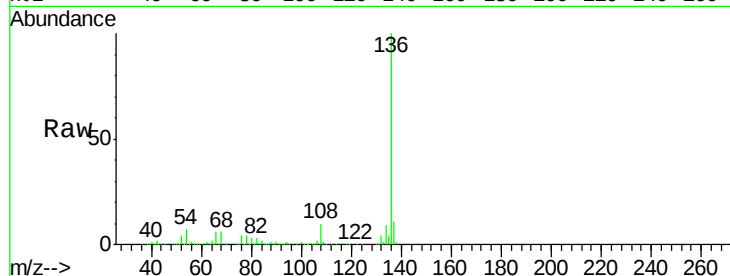
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 7.3 5.6 8.4

68 6.4 5.0 7.6

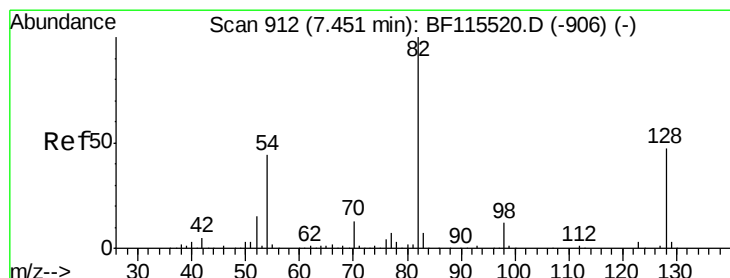
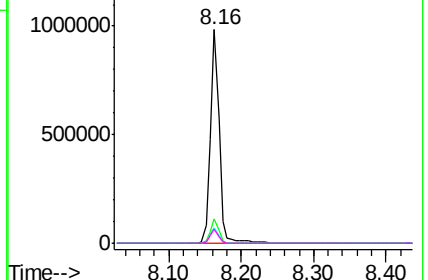
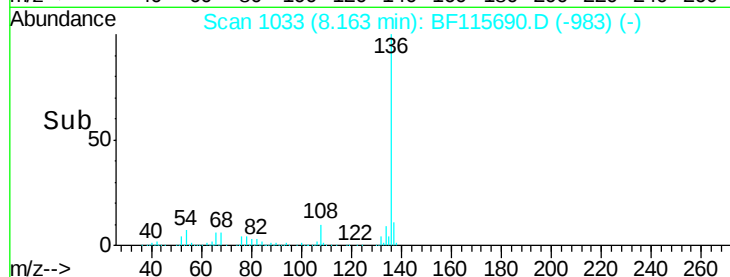


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.058 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF115690.D

Acq: 19 Jul 2019 23:39

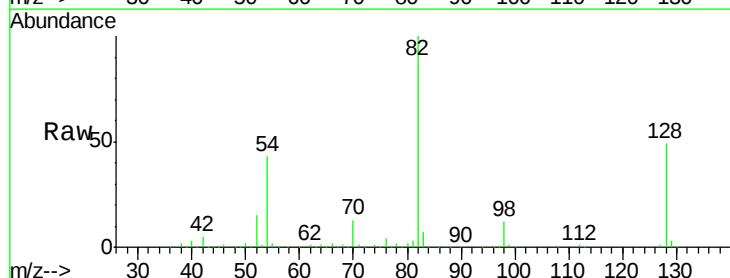
Tgt Ion: 82 Resp: 942273

Ion Ratio Lower Upper

82 100

128 49.1 38.6 57.8

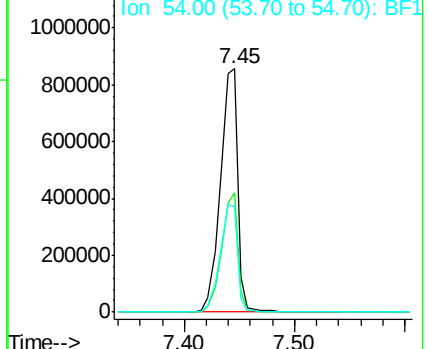
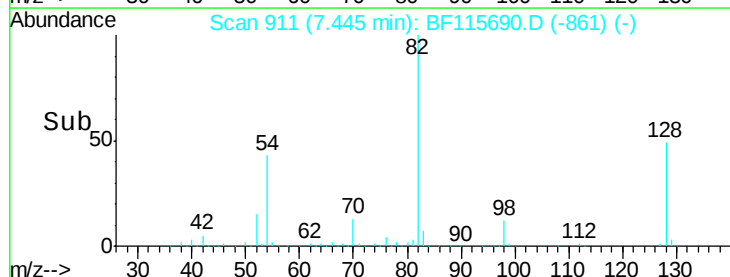
54 43.1 35.6 53.4



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.480 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF115690.D

Acq: 19 Jul 2019 23:39

Instrument :

BNA\_F

ClientSampleId :

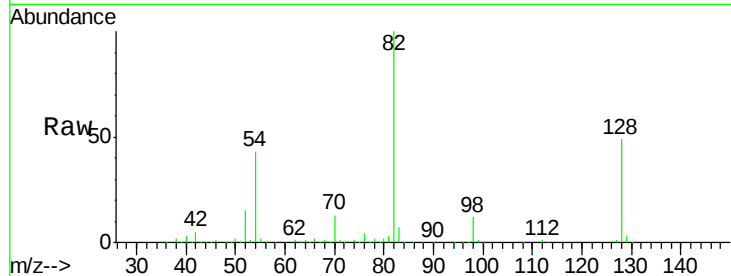
Tot Ion: 82 Resp: 927077

Ion Ratio Lower Upper

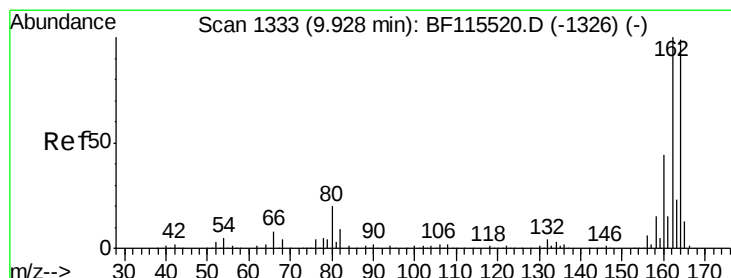
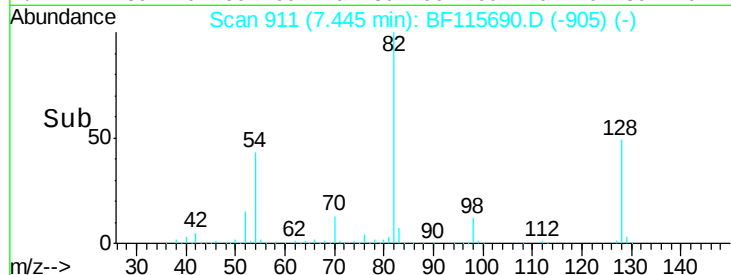
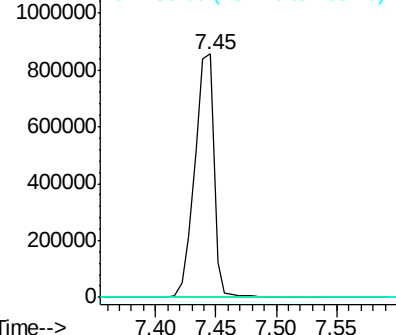
82 100

95 0.0 5.5 8.3#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF115690.D

Acq: 19 Jul 2019 23:39

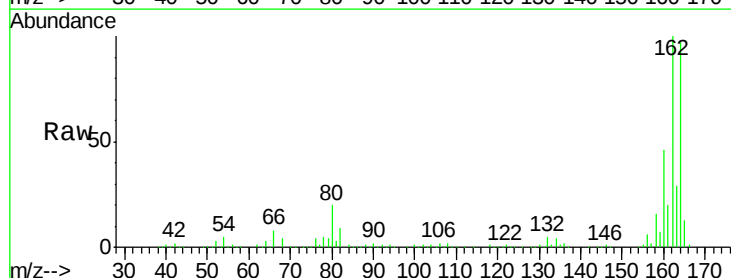
Tgt Ion: 164 Resp: 366820

Ion Ratio Lower Upper

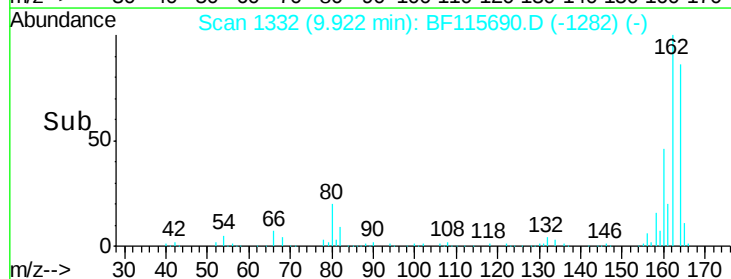
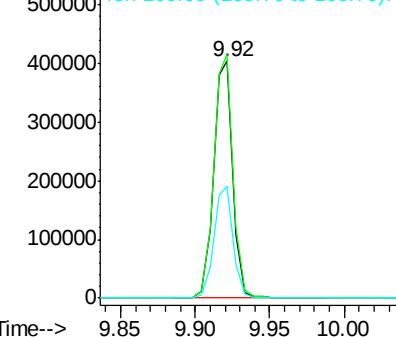
164 100

162 102.7 82.9 124.3

160 47.2 36.8 55.2



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

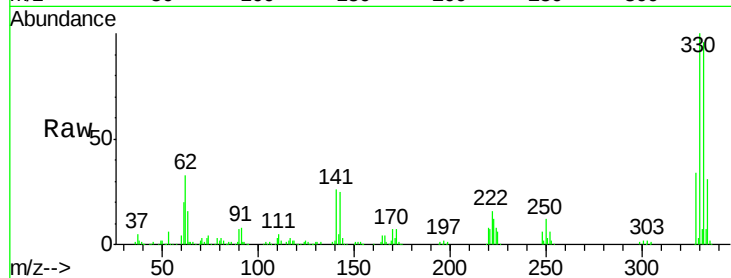




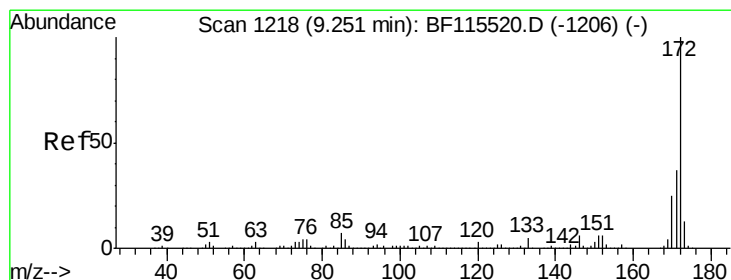
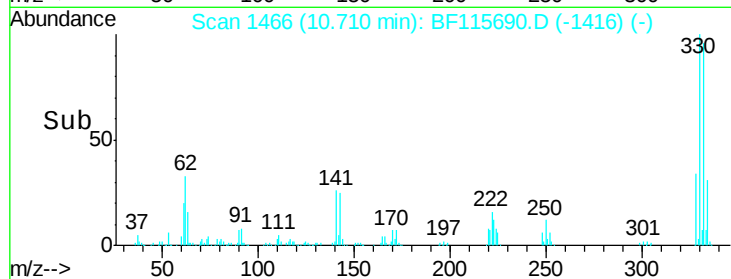
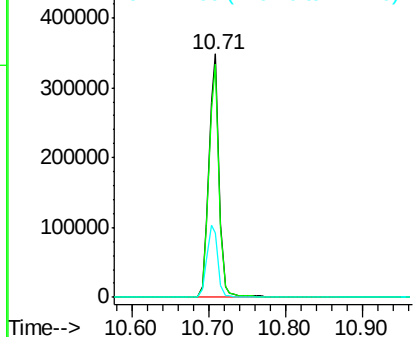
#42  
 2,4,6-Tribromophenol  
 Concen: 74.444 ng  
 RT: 10.71 min Scan# 1466  
 Delta R.T. -0.01 min  
 Lab File: BF115690.D  
 Acq: 19 Jul 2019 23:39

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 318746  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 77.4 116.2  
 141 32.1 22.4 33.6

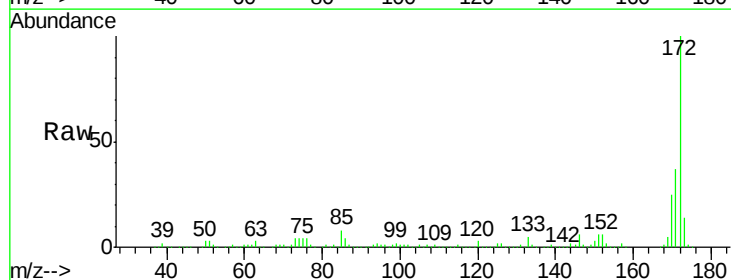


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

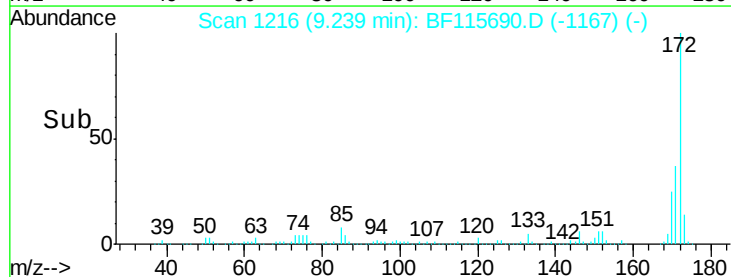
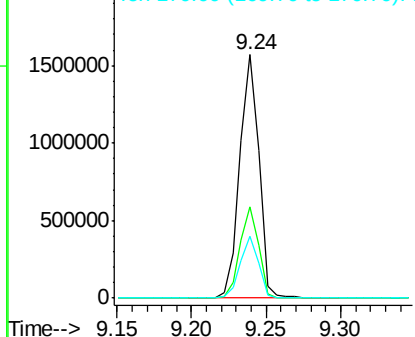


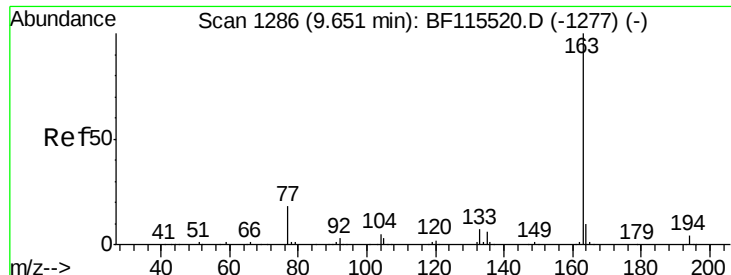
#45  
 2-Fluorobiphenyl  
 Concen: 67.499 ng  
 RT: 9.24 min Scan# 1216  
 Delta R.T. -0.01 min  
 Lab File: BF115690.D  
 Acq: 19 Jul 2019 23:39

Tgt Ion:172 Resp: 1414623  
 Ion Ratio Lower Upper  
 172 100  
 171 37.3 30.6 46.0  
 170 25.2 20.5 30.7



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

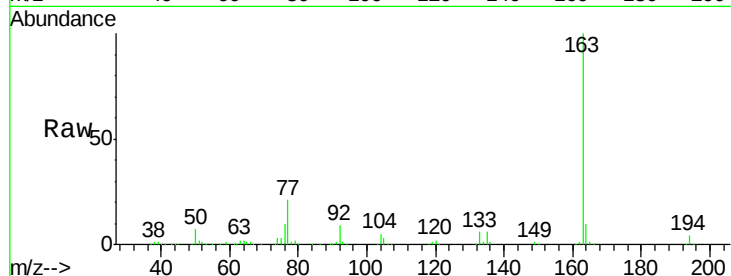




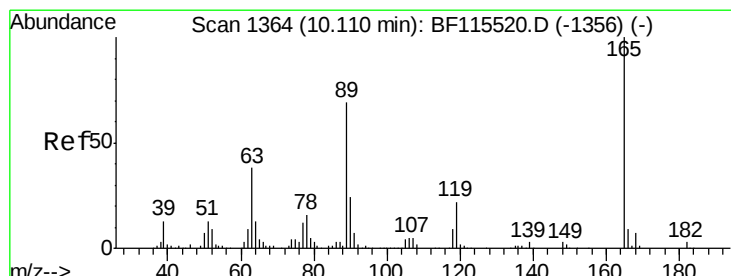
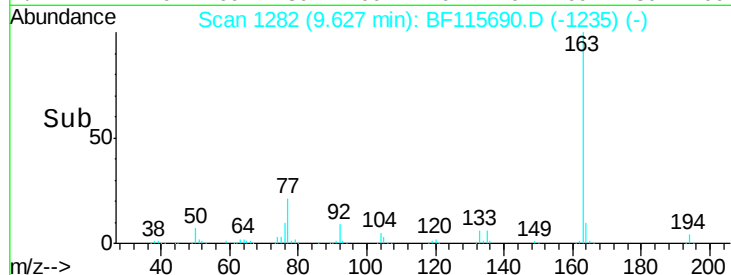
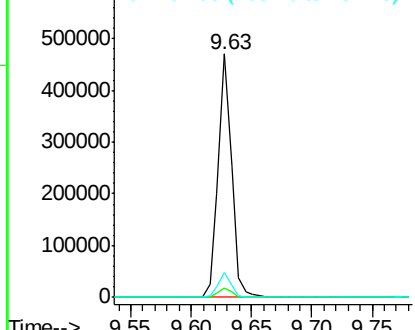
#50  
Dimethylphthalate  
Concen: 13.058 ng  
RT: 9.63 min Scan# 1282  
Delta R.T. -0.02 min  
Lab File: BF115690.D  
Acq: 19 Jul 2019 23:39

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:163 Resp: 360368  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.3 4.9  
164 10.2 8.7 13.1

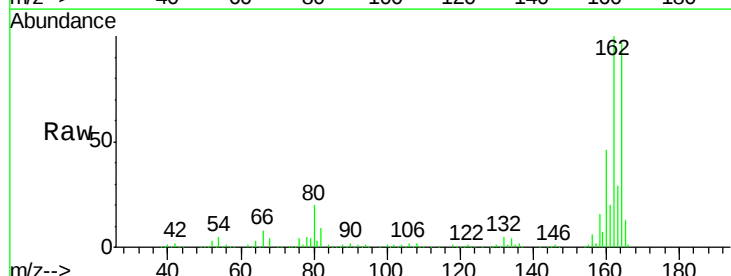


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

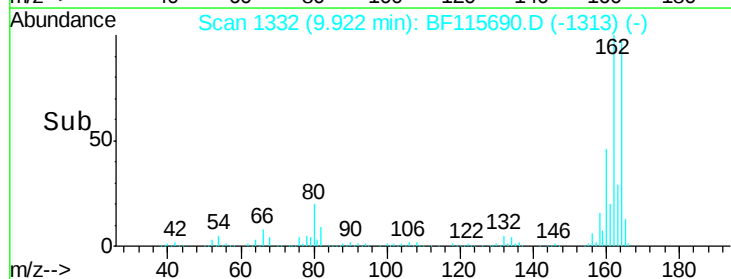
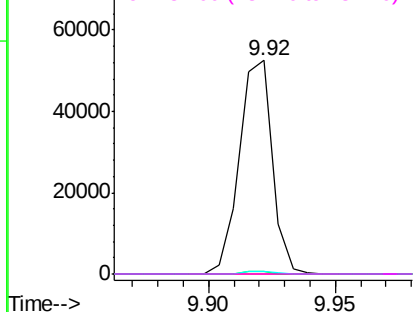


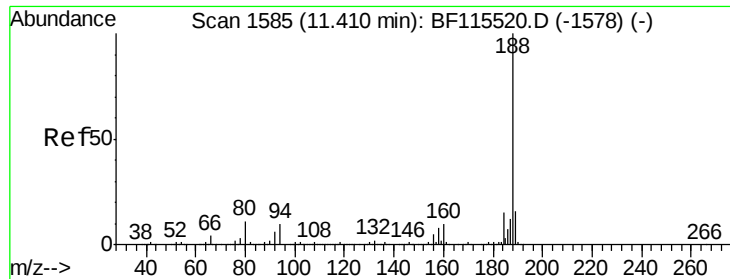
#57  
2,4-Dinitrotoluene  
Concen: 5.829 ng  
RT: 9.92 min Scan# 1332  
Delta R.T. -0.19 min  
Lab File: BF115690.D  
Acq: 19 Jul 2019 23:39

Tgt Ion:165 Resp: 47367  
Ion Ratio Lower Upper  
165 100  
63 1.3 34.9 52.3#  
89 1.3 57.5 86.3#  
182 0.0 2.2 3.4#



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF115690.D

Acq: 19 Jul 2019 23:39

Instrument :

BNA\_F

ClientSampled :

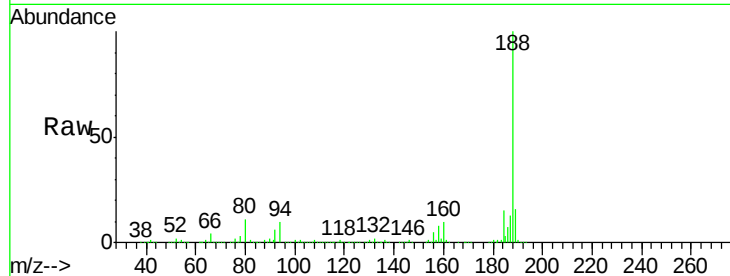
Tot Ion:188 Resp: 570076

Ion Ratio Lower Upper

188 100

94 10.1 7.8 11.6

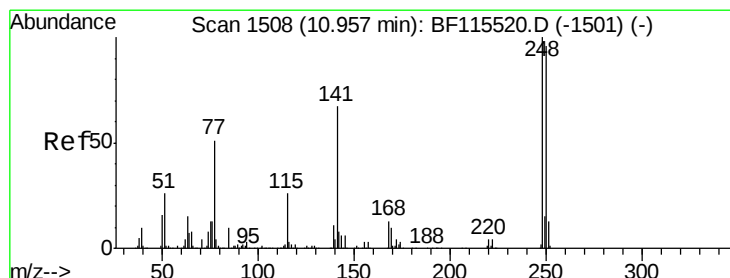
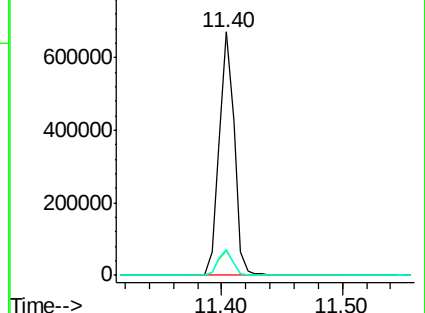
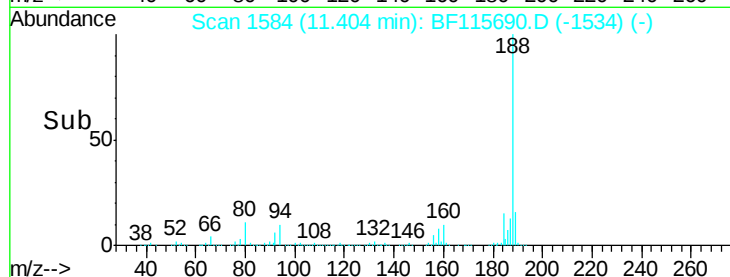
80 10.8 8.6 13.0



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



#67

4-Bromophenyl-phenylether

Concen: 2.984 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.25 min

Lab File: BF115690.D

Acq: 19 Jul 2019 23:39

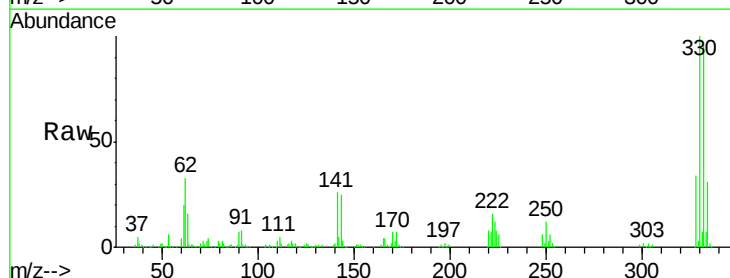
Tgt Ion:248 Resp: 19441

Ion Ratio Lower Upper

248 100

250 195.4 78.0 117.0#

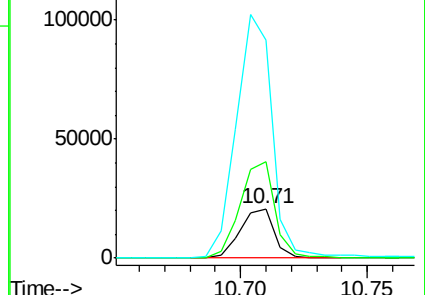
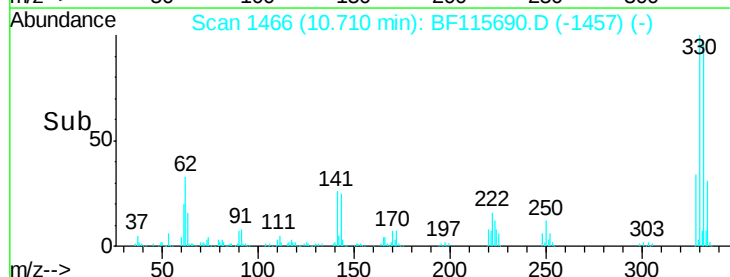
141 443.0 57.7 86.5#

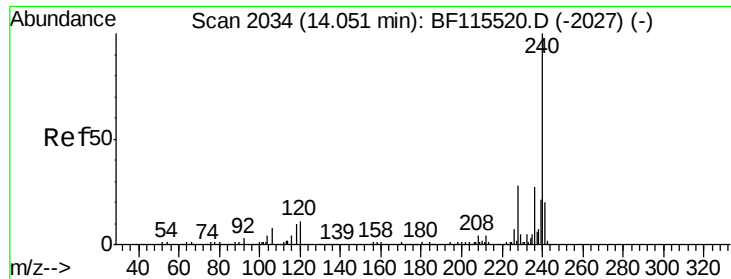


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

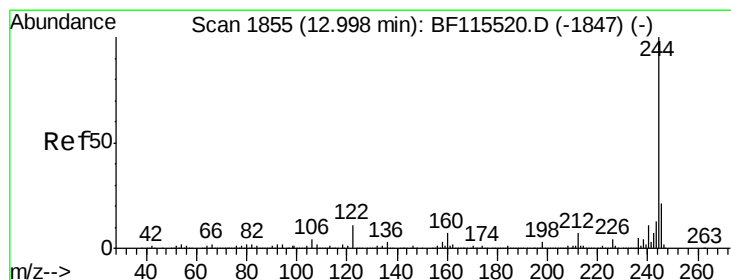
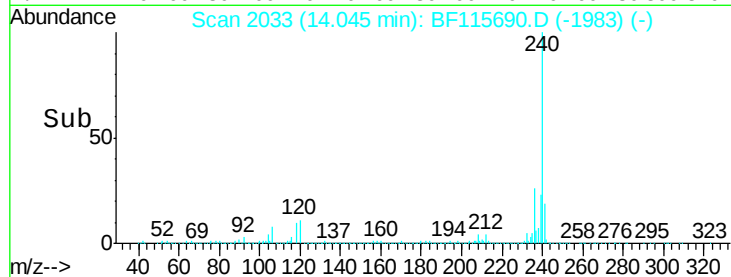
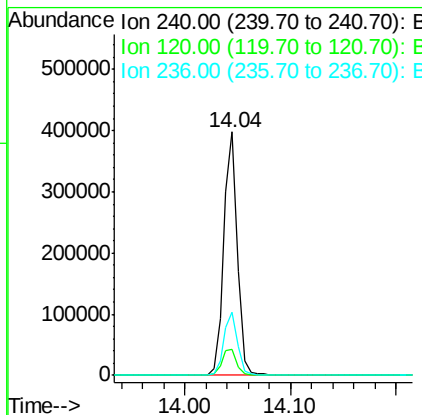
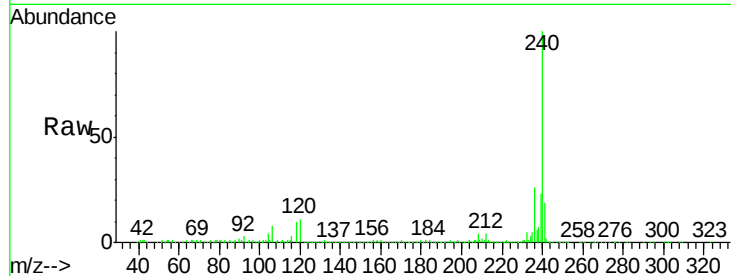




#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 14.04 min Scan# 2033  
 Delta R.T. -0.01 min  
 Lab File: BF115690.D  
 Acq: 19 Jul 2019 23:39

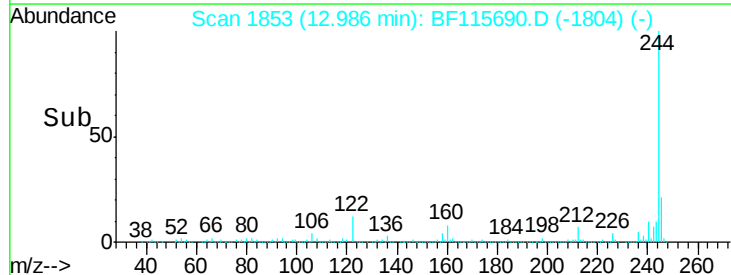
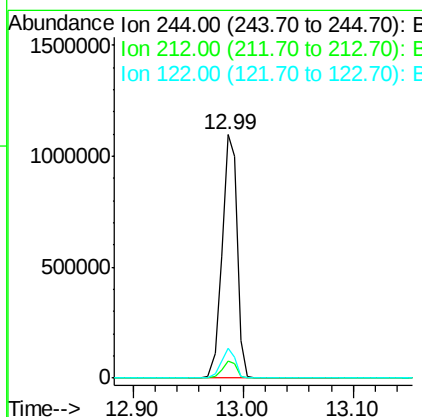
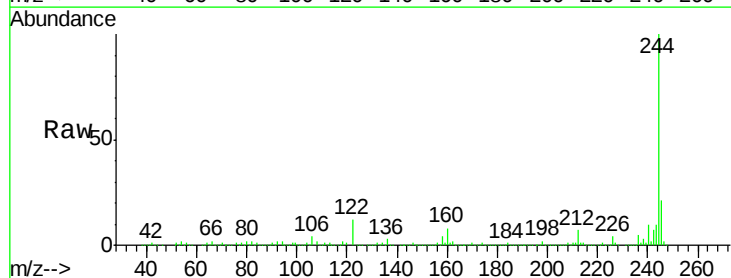
Instrument :  
 BNA\_F  
 ClientSampleId :

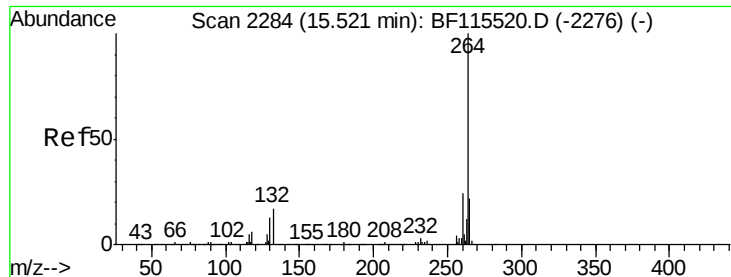
Tot Ion:240 Resp: 358015  
 Ion Ratio Lower Upper  
 240 100  
 120 10.8 8.6 13.0  
 236 26.2 21.3 31.9



#79  
 Terphenyl-d14  
 Concen: 54.020 ng  
 RT: 12.99 min Scan# 1853  
 Delta R.T. -0.01 min  
 Lab File: BF115690.D  
 Acq: 19 Jul 2019 23:39

Tgt Ion:244 Resp: 1048133  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 6.0 9.0  
 122 12.2 8.6 12.8

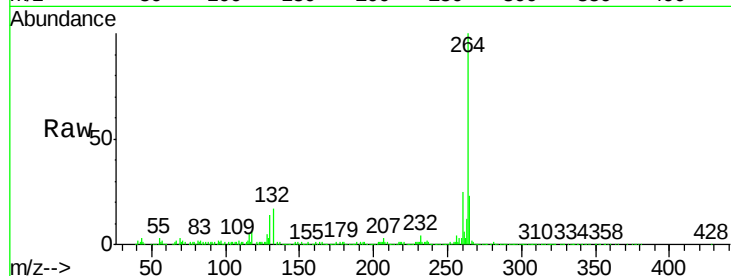




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.52 min Scan# 2284  
Delta R.T. -0.00 min  
Lab File: BF115690.D  
Acq: 19 Jul 2019 23:39

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.6  | 19.8  | 29.8  |
| 265     | 22.7  | 17.7  | 26.5  |



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

