

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\  
 Data File : BF119110.D  
 Acq On : 27 Feb 2020 15:13  
 Operator : CG/JU  
 Sample : L1694-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B1-9-9.5-BGS

Quant Time: Feb 28 03:49:39 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 26 16:03:05 2020  
 Response via : Initial Calibration

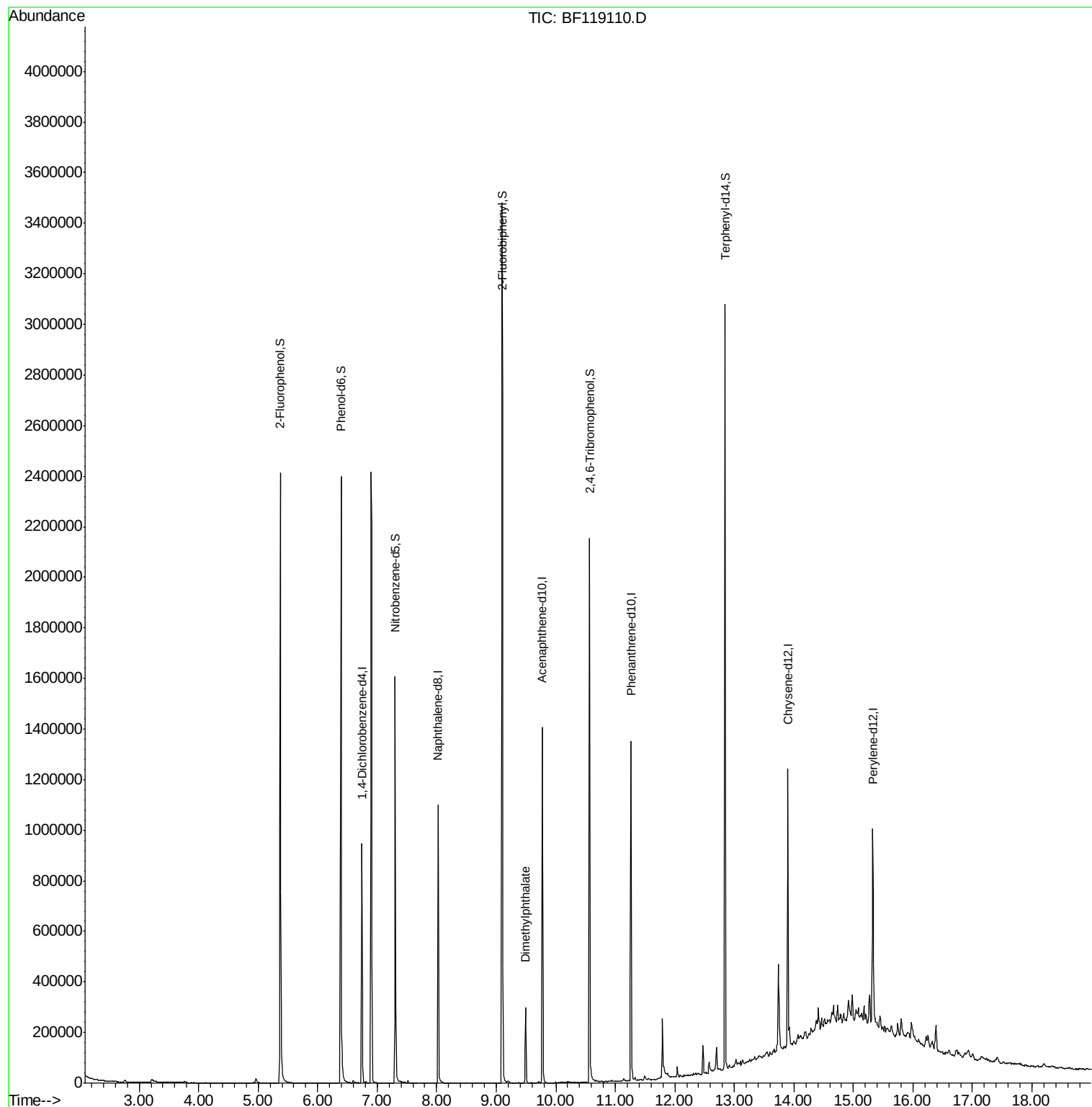
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|-------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.75  | 152  | 146884   | 20.00 | ng    | 0.00          |
| 21) Naphthalene-d8          | 8.02  | 136  | 564146   | 20.00 | ng    | -0.01         |
| 39) Acenaphthene-d10        | 9.77  | 164  | 299824   | 20.00 | ng    | -0.01         |
| 64) Phenanthrene-d10        | 11.26 | 188  | 526811   | 20.00 | ng    | 0.00          |
| 76) Chrysene-d12            | 13.90 | 240  | 363265   | 20.00 | ng    | 0.00          |
| 87) Perylene-d12            | 15.33 | 264  | 357101   | 20.00 | ng    | 0.00          |
| System Monitoring Compounds |       |      |          |       |       |               |
| 5) 2-Fluorophenol           | 5.37  | 112  | 779530   | 88.69 | ng    | 0.00          |
| 7) Phenol-d6                | 6.39  | 99   | 935791   | 87.54 | ng    | -0.01         |
| 23) Nitrobenzene-d5         | 7.30  | 82   | 592728   | 55.48 | ng    | -0.02         |
| 42) 2,4,6-Tribromophenol    | 10.57 | 330  | 304283   | 77.58 | ng    | 0.00          |
| 45) 2-Fluorobiphenyl        | 9.10  | 172  | 1149048  | 56.46 | ng    | -0.01         |
| 79) Terphenyl-d14           | 12.84 | 244  | 1149506  | 54.48 | ng    | 0.00          |
| Target Compounds            |       |      |          |       |       |               |
| 50) Dimethylphthalate       | 9.49  | 163  | 131657   | 5.742 | ng    | Qvalue<br>100 |

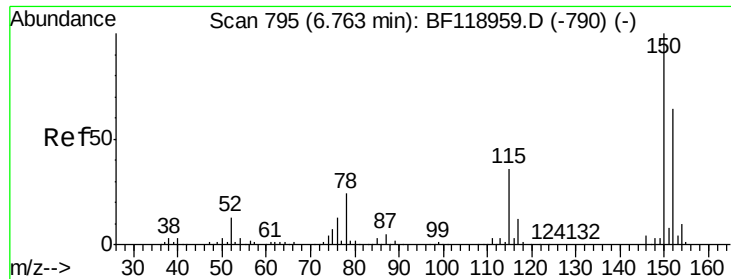
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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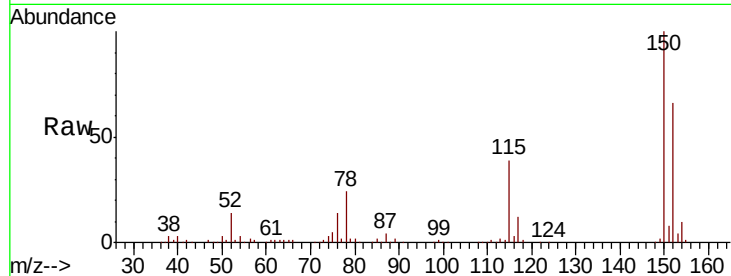




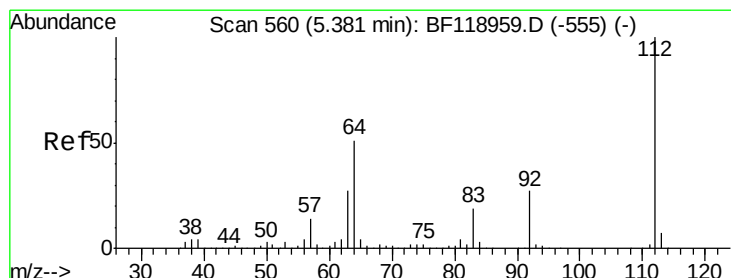
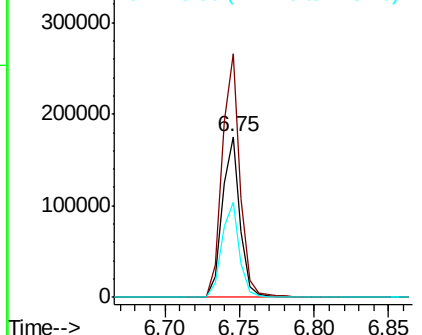
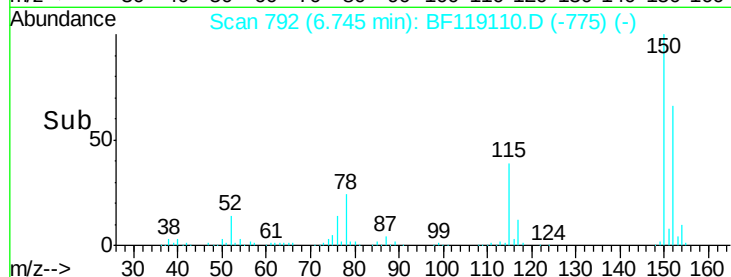
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.75 min Scan# 792  
 Delta R.T. -0.00 min  
 Lab File: BF119110.D  
 Acq: 27 Feb 2020 15:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B1-9-9.5-BGS

Tot Ion:152 Resp: 146884  
 Ion Ratio Lower Upper  
 152 100  
 150 151.5 123.0 184.6  
 115 58.9 49.5 74.3

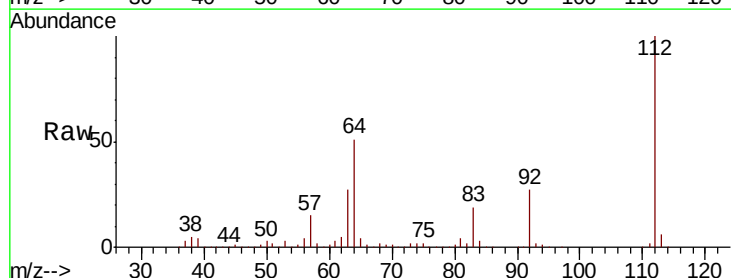


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

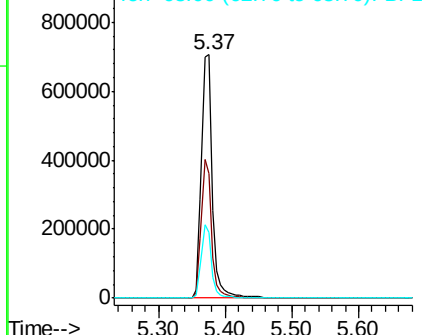
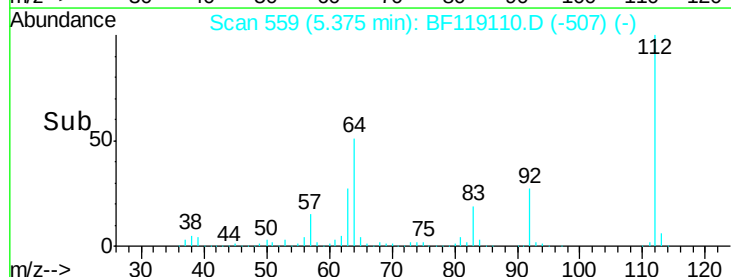


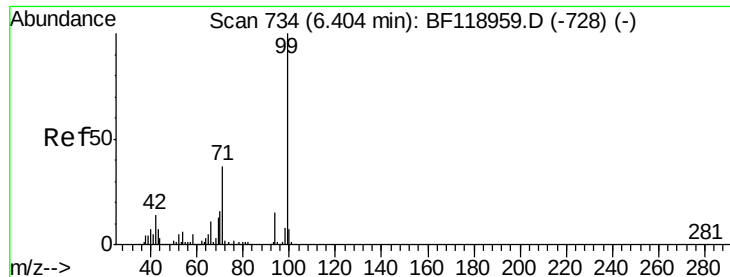
#5  
 2-Fluorophenol  
 Concen: 88.691 ng  
 RT: 5.37 min Scan# 559  
 Delta R.T. 0.01 min  
 Lab File: BF119110.D  
 Acq: 27 Feb 2020 15:13

Tgt Ion:112 Resp: 779530  
 Ion Ratio Lower Upper  
 112 100  
 64 51.1 45.0 67.4  
 63 27.2 24.2 36.4



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: 87.544 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF119110.D

Acq: 27 Feb 2020 15:13

Instrument :

BNA\_F

ClientSampleId :

B1-9-9.5-BGS

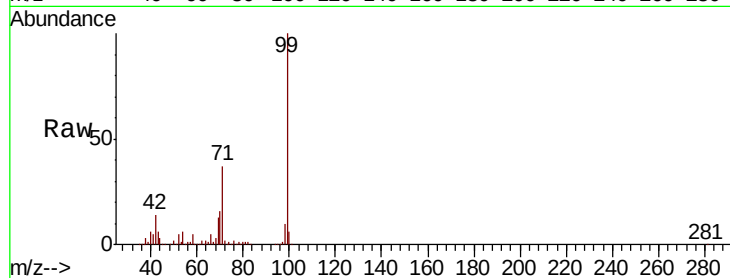
Tot Ion: 99 Resp: 935791

Ion Ratio Lower Upper

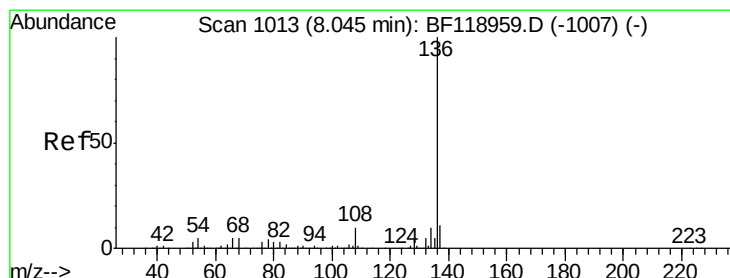
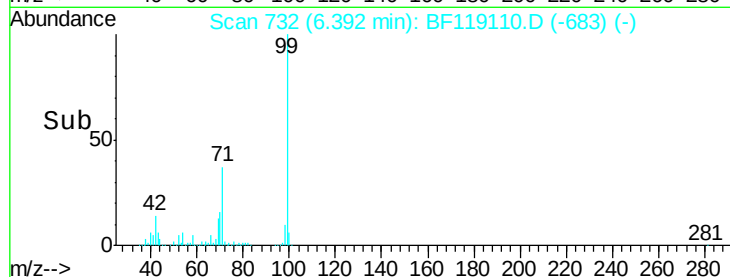
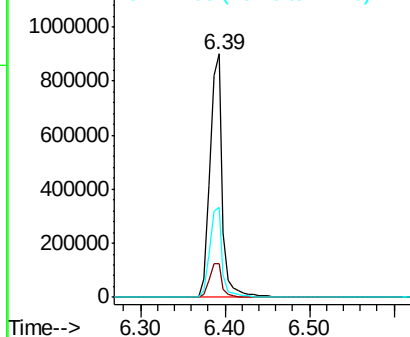
99 100

42 14.1 12.6 18.8

71 37.0 31.0 46.4



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. -0.01 min

Lab File: BF119110.D

Acq: 27 Feb 2020 15:13

Tgt Ion: 136 Resp: 564146

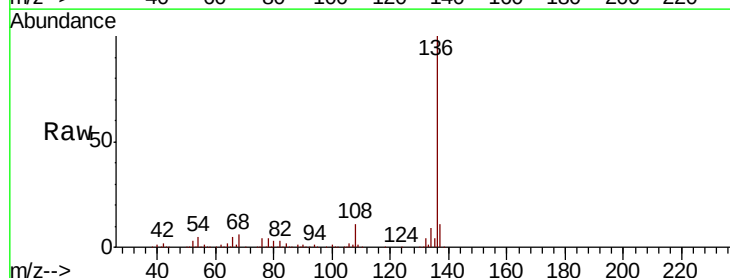
Ion Ratio Lower Upper

136 100

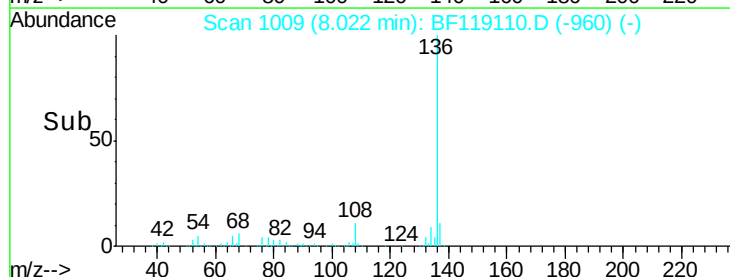
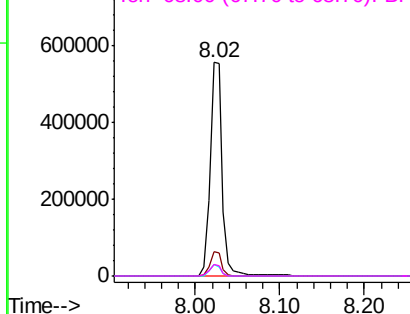
137 11.3 8.8 13.2

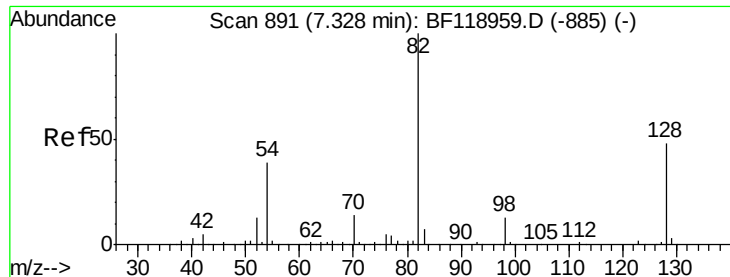
54 5.3 3.8 5.6

68 5.7 3.9 5.9



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

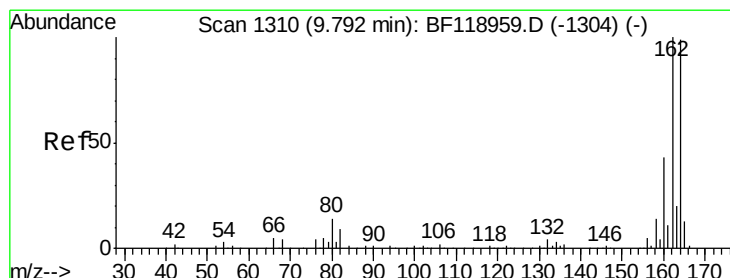
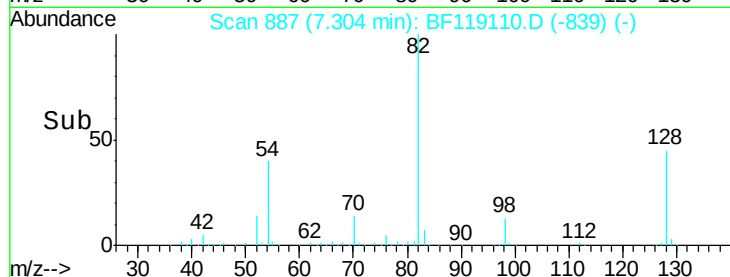
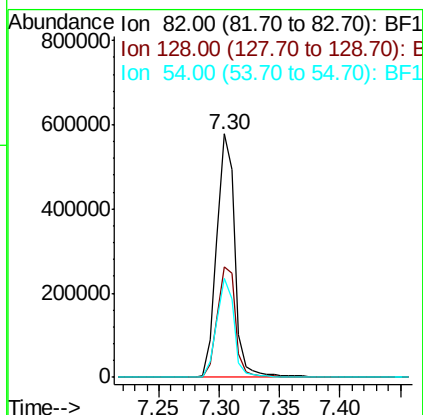
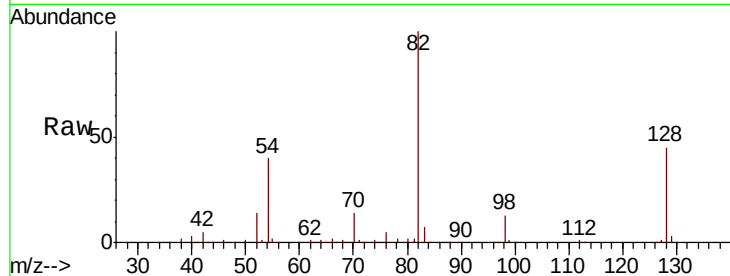




#23  
Nitrobenzene-d5  
Concen: 55.475 ng  
RT: 7.30 min Scan# 887  
Delta R.T. -0.02 min  
Lab File: BF119110.D  
Acq: 27 Feb 2020 15:13

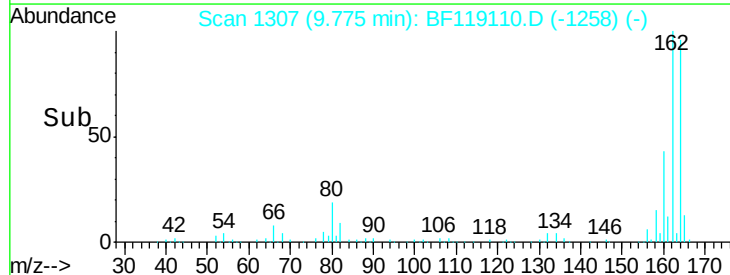
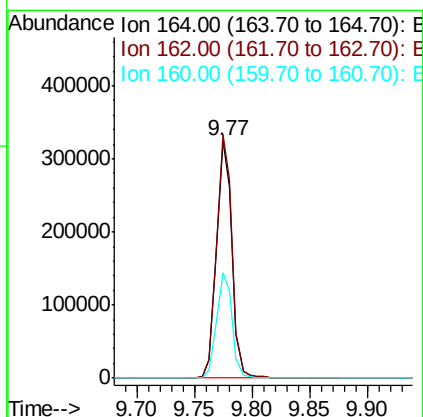
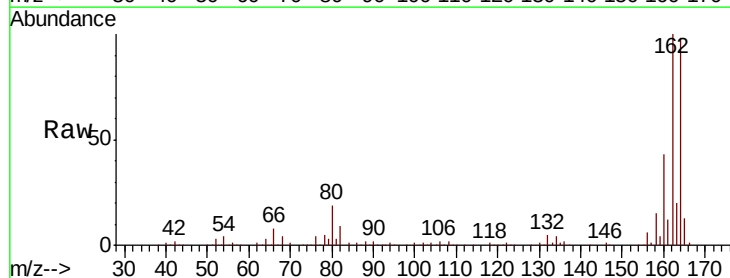
Instrument :  
BNA\_F  
ClientSampleId :  
B1-9-9.5-BGS

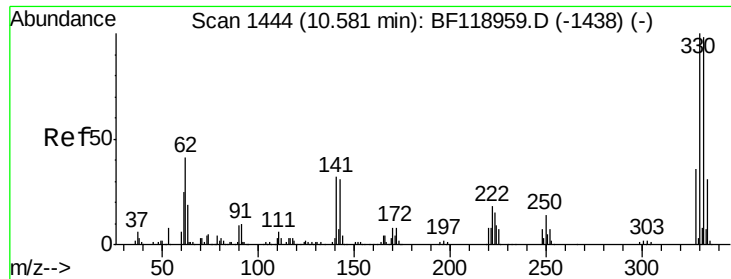
| Tot Ion   | 82    | Resp  | 592728 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 45.5  | 37.9  | 56.9   |
| 54        | 40.4  | 33.4  | 50.2   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.77 min Scan# 1307  
Delta R.T. -0.01 min  
Lab File: BF119110.D  
Acq: 27 Feb 2020 15:13

| Tgt Ion   | 164   | Resp  | 299824 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 102.4 | 81.8  | 122.8  |
| 160       | 44.4  | 36.0  | 54.0   |

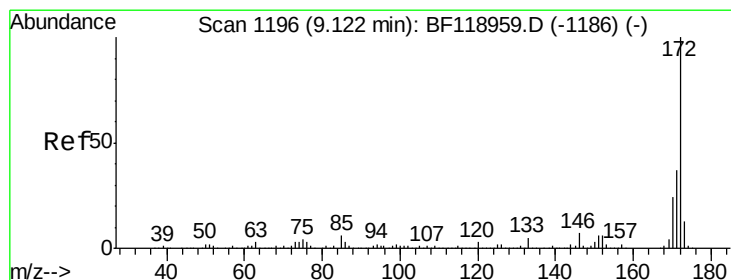
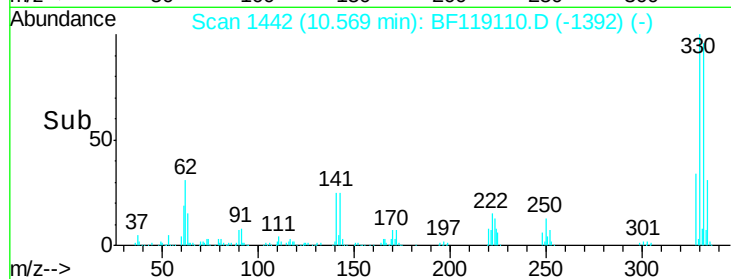
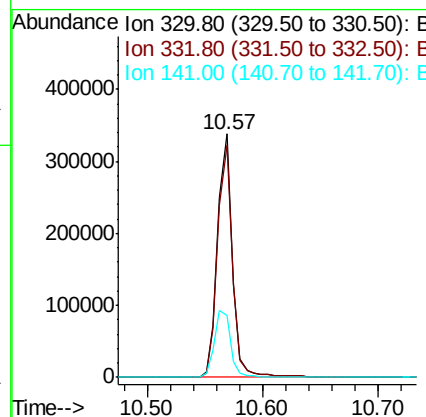
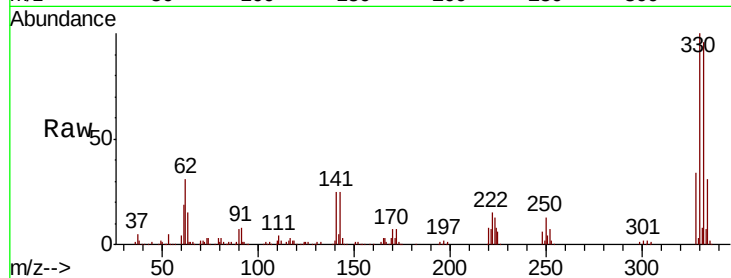




#42  
 2,4,6-Tribromophenol  
 Concen: 77.580 ng  
 RT: 10.57 min Scan# 1442  
 Delta R.T. -0.01 min  
 Lab File: BF119110.D  
 Acq: 27 Feb 2020 15:13

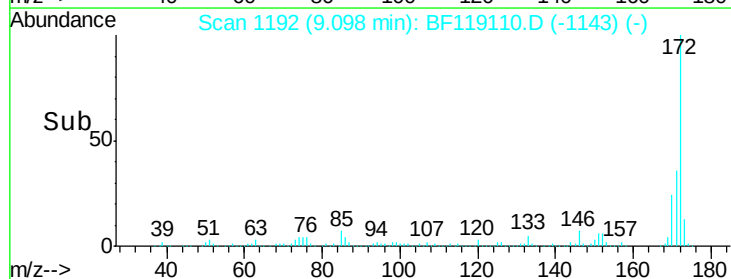
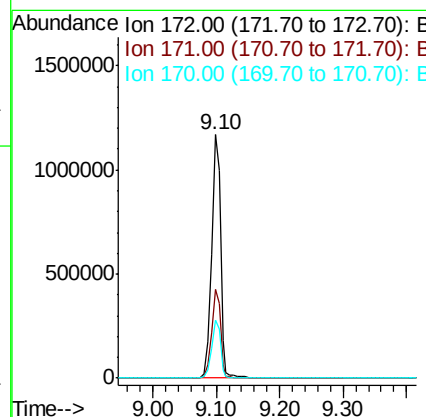
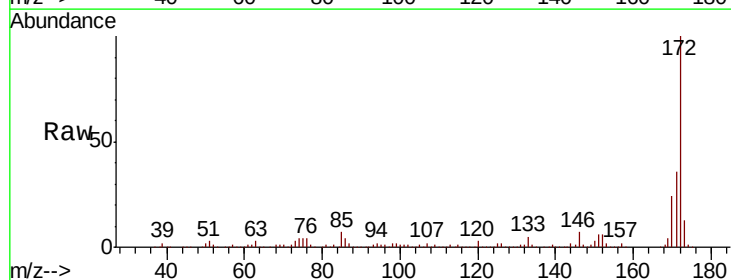
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B1-9-9.5-BGS

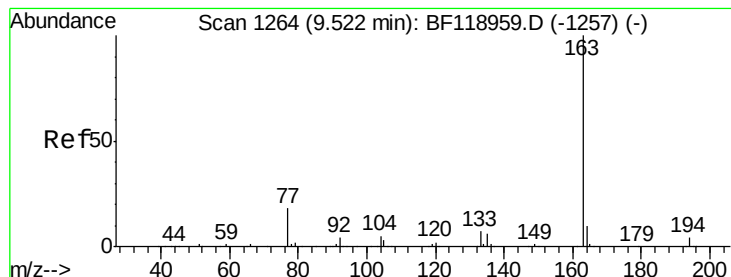
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.1  | 76.0  | 114.0 |
| 141     | 30.2  | 22.9  | 34.3  |



#45  
 2-Fluorobiphenyl  
 Concen: 56.458 ng  
 RT: 9.10 min Scan# 1192  
 Delta R.T. -0.01 min  
 Lab File: BF119110.D  
 Acq: 27 Feb 2020 15:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 30.6  | 45.8  |
| 170     | 23.9  | 20.2  | 30.2  |





#50

Dimethylphthalate

Concen: 5.742 ng

RT: 9.49 min Scan# 1259

Delta R.T. -0.02 min

Lab File: BF119110.D

Acq: 27 Feb 2020 15:13

Instrument :

BNA\_F

ClientSampleId :

B1-9-9.5-BGS

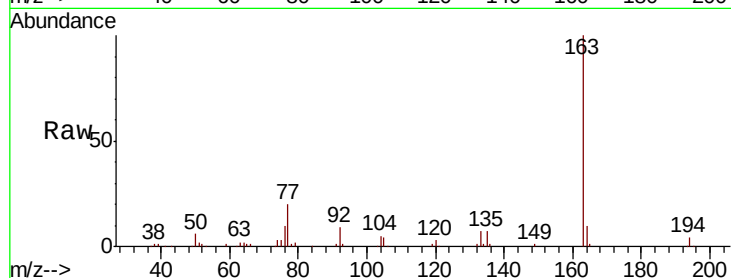
Tot Ion:163 Resp: 131657

Ion Ratio Lower Upper

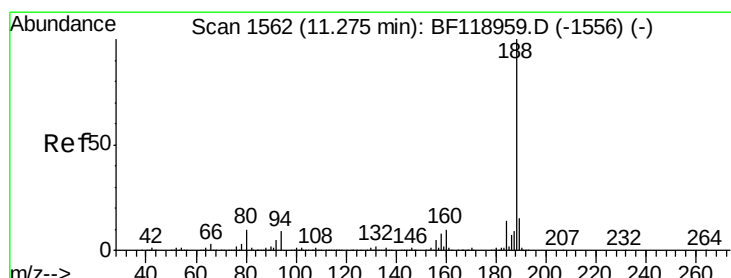
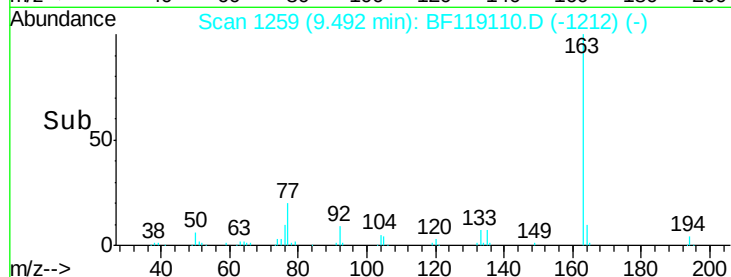
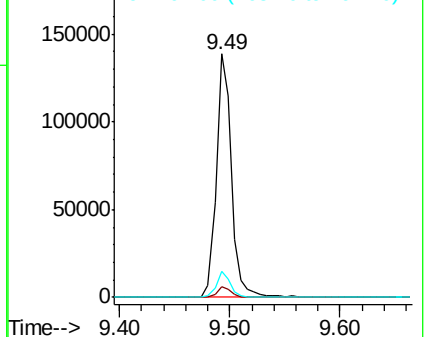
163 100

194 4.2 3.5 5.3

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: 11.26 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BF119110.D

Acq: 27 Feb 2020 15:13

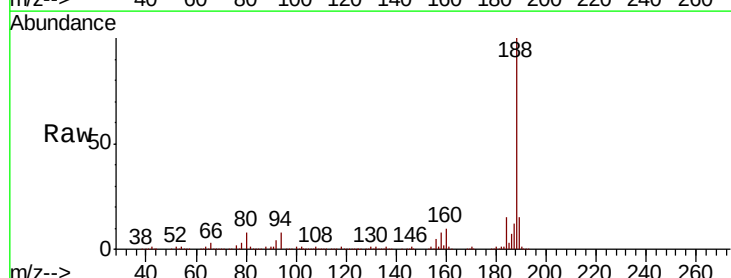
Tgt Ion:188 Resp: 526811

Ion Ratio Lower Upper

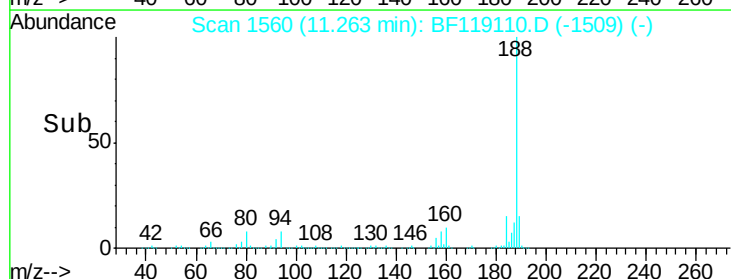
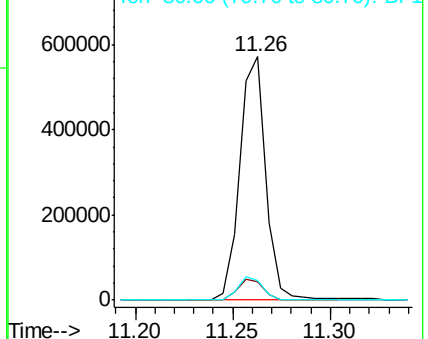
188 100

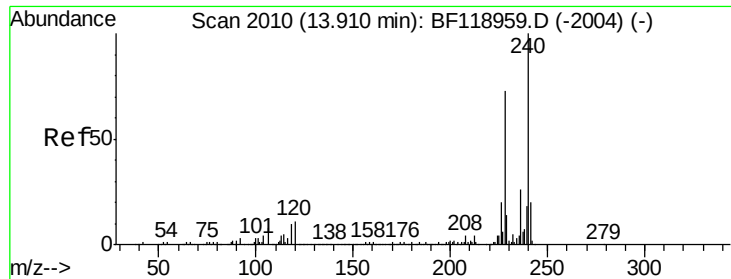
94 7.7 7.1 10.7

80 8.0 7.8 11.8



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: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF119110.D

Acq: 27 Feb 2020 15:13

Instrument :

BNA\_F

ClientSampleId :

B1-9-9.5-BGS

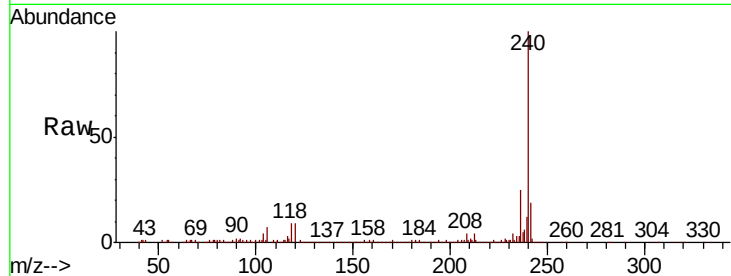
Tot Ion:240 Resp: 363265

Ion Ratio Lower Upper

240 100

120 9.4 8.4 12.6

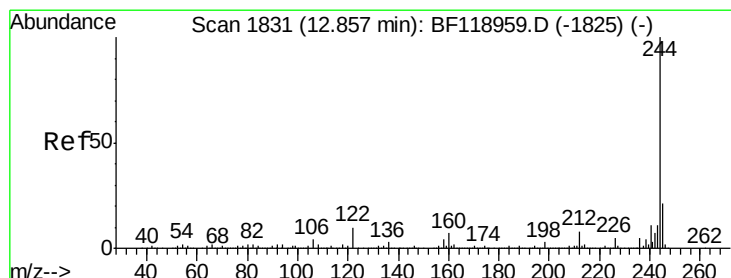
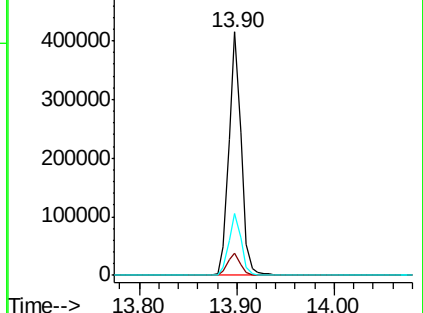
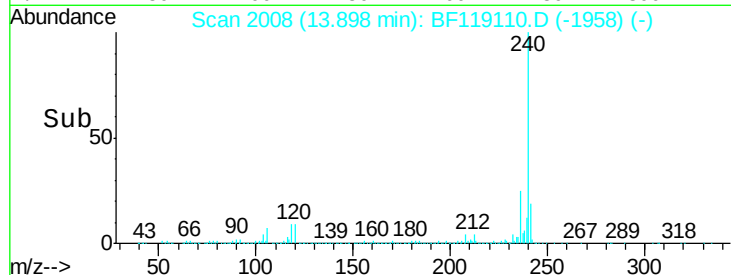
236 25.3 21.0 31.4



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: 54.480 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF119110.D

Acq: 27 Feb 2020 15:13

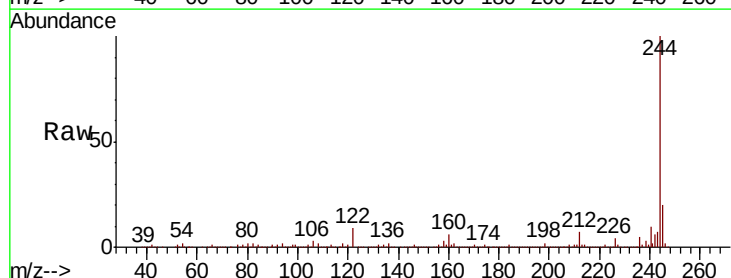
Tgt Ion:244 Resp: 1149506

Ion Ratio Lower Upper

244 100

212 6.8 6.6 10.0

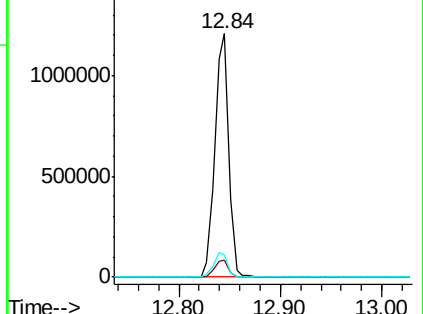
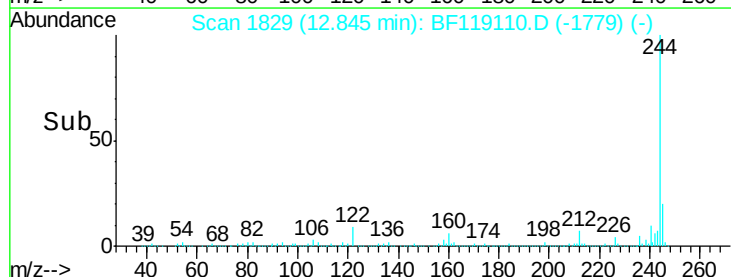
122 9.0 8.2 12.2



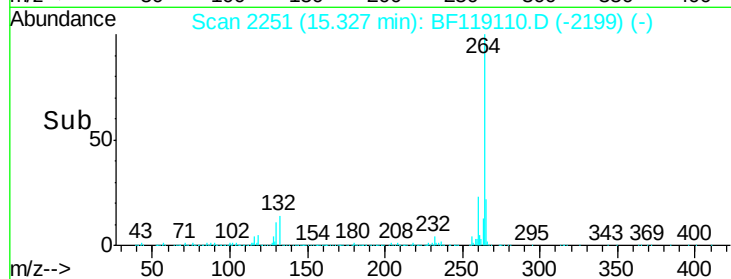
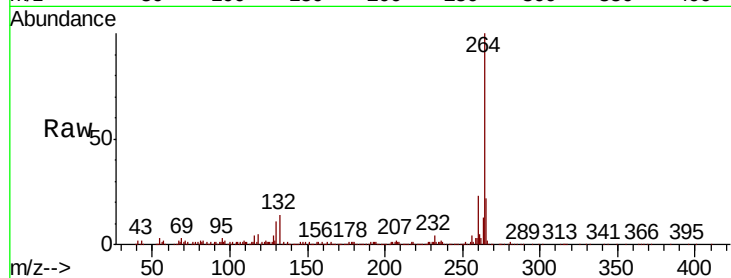
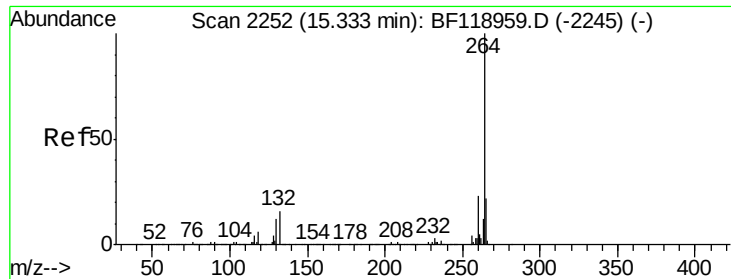
Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.33 min Scan# 2251  
 Delta R.T. 0.01 min  
 Lab File: BF119110.D  
 Acq: 27 Feb 2020 15:13

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B1-9-9.5-BGS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 357101 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.3  | 19.4  | 29.2   |
| 265      | 22.1  | 17.7  | 26.5   |

