

Data File : BF095818.D  
Acq On : 9 Jun 2017 13:19  
Operator : SJ/MA  
Sample : I3457-10  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
S-7

Quant Time: Jun 10 02:11:13 2017  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060517.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 05 16:15:31 2017  
Response via : Initial Calibration

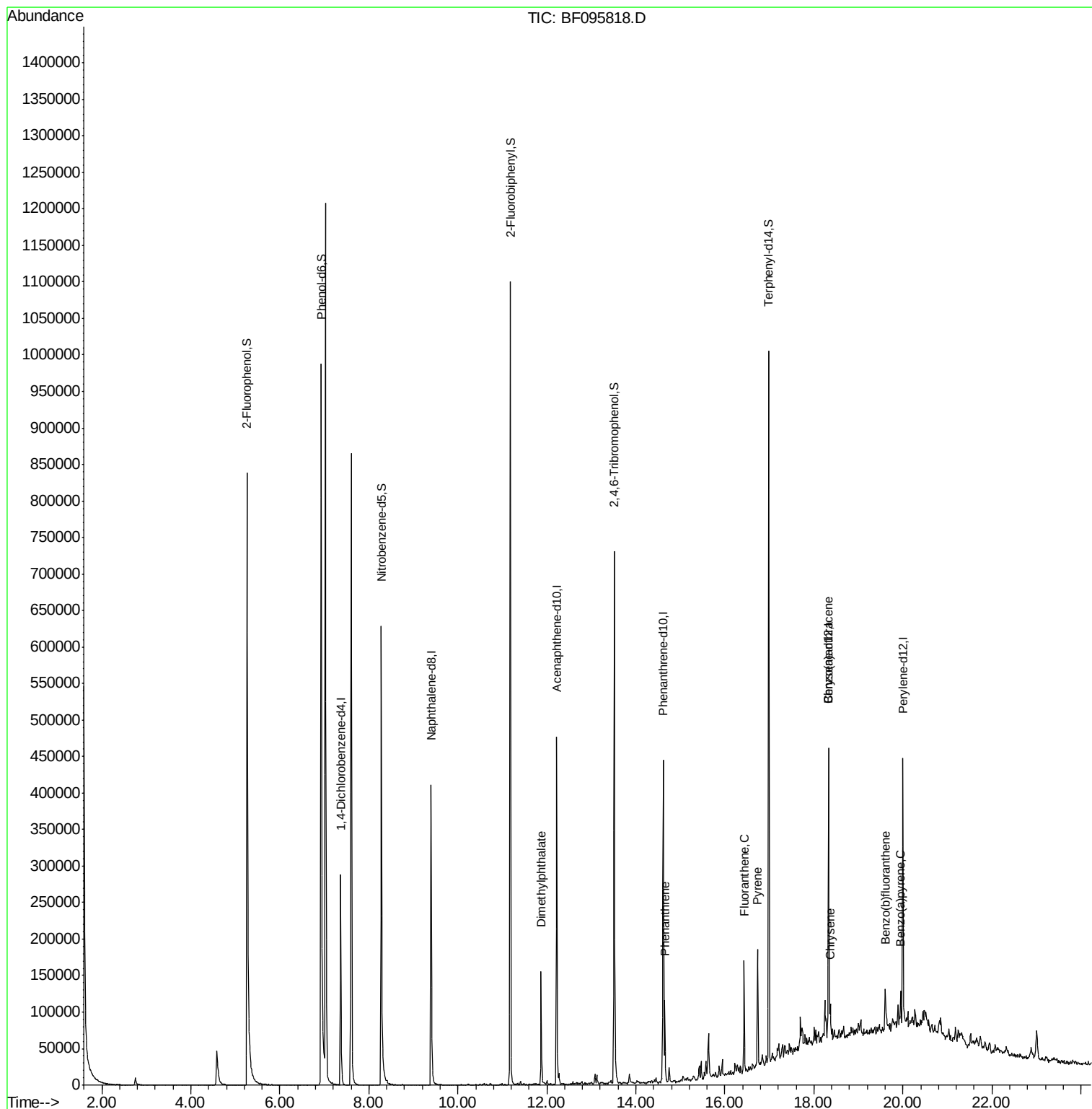
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.37  | 152  | 73040    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 9.40  | 136  | 295263   | 20.00  | ng    | -0.04    |
| 38) Acenaphthene-d10        | 12.22 | 164  | 134333   | 20.00  | ng    | -0.04    |
| 63) Phenanthrene-d10        | 14.62 | 188  | 232908   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12            | 18.33 | 240  | 151148   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 20.00 | 264  | 136800   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.26  | 112  | 482455   | 105.25 | ng    | -0.02    |
| 7) Phenol-d6                | 6.93  | 99   | 604100   | 110.09 | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 8.28  | 82   | 335521   | 70.57  | ng    | -0.04    |
| 41) 2,4,6-Tribromophenol    | 13.52 | 330  | 120216   | 101.15 | ng    | -0.04    |
| 44) 2-Fluorobiphenyl        | 11.18 | 172  | 520907   | 53.96  | ng    | -0.04    |
| 78) Terphenyl-d14           | 16.99 | 244  | 350905   | 57.62  | ng    | -0.03    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 11.87 | 163  | 103485   | 10.15  | ng    | 98       |
| 70) Phenanthrene            | 14.65 | 178  | 68603    | 5.10   | ng    | 93       |
| 74) Fluoranthene            | 16.43 | 202  | 76060    | 5.72   | ng    | 98       |
| 77) Pyrene                  | 16.73 | 202  | 67285    | 5.97   | ng    | 96       |
| 80) Benzo(a)anthracene      | 18.32 | 228  | 25364m   | 2.89   | ng    |          |
| 82) Chrysene                | 18.37 | 228  | 25346    | 2.89   | ng    | 96       |
| 87) Benzo(b)fluoranthene    | 19.60 | 252  | 27503    | 3.21   | ng    | # 95     |
| 89) Benzo(a)pyrene          | 19.95 | 252  | 20095    | 2.55   | ng    | # 89     |

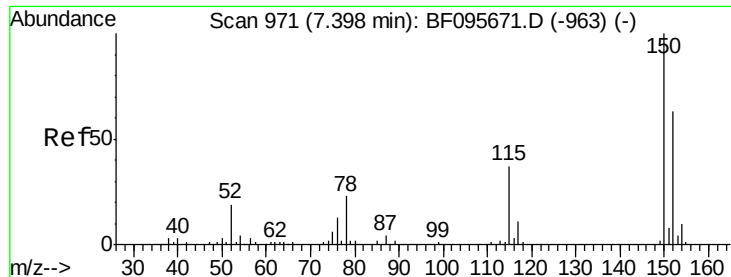
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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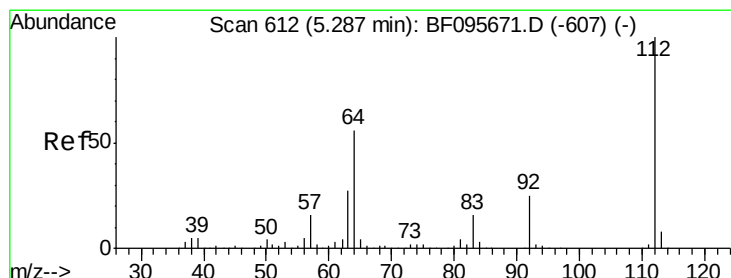
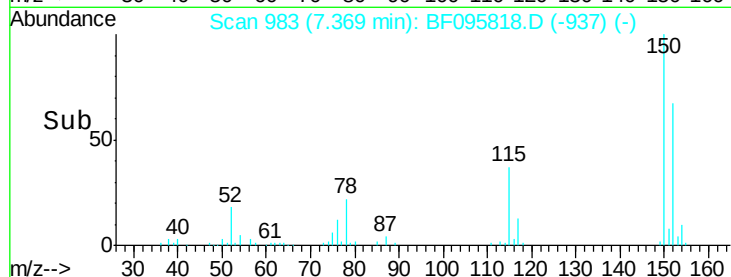
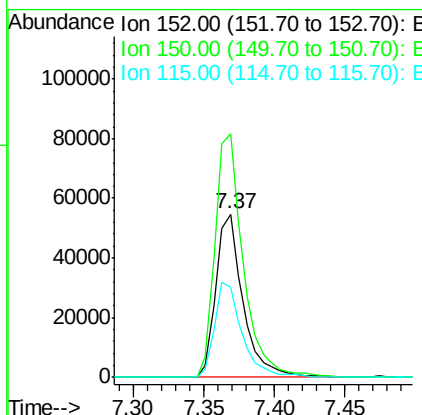
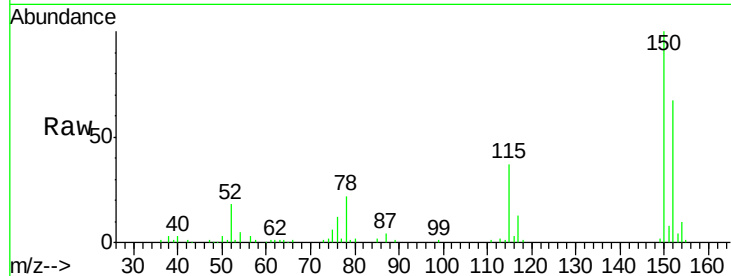




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.37 min Scan# 983  
 Delta R.T. -0.03 min  
 Lab File: BF095818.D  
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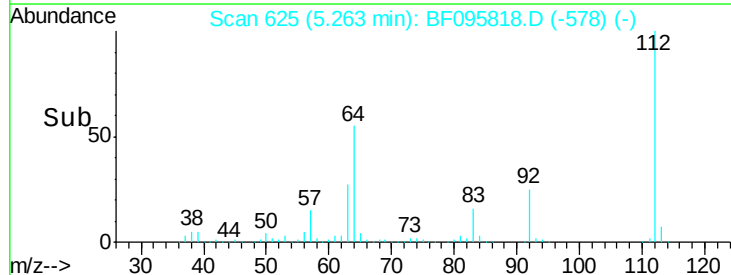
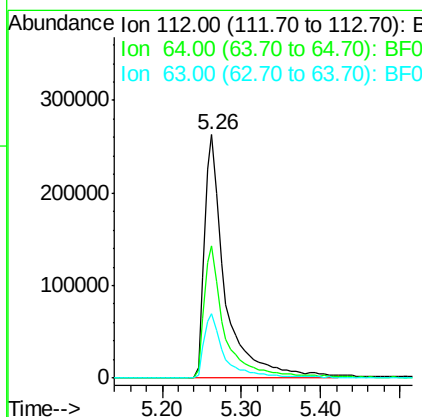
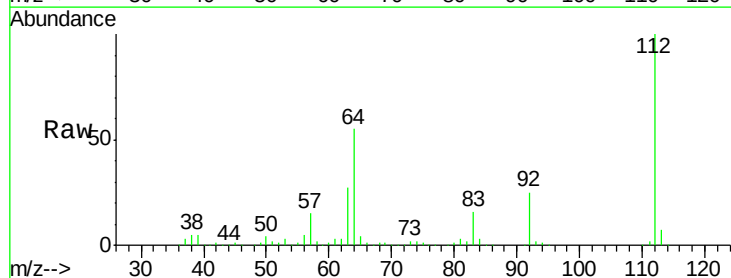
Instrument :  
 BNA\_F  
 ClientSampleId :  
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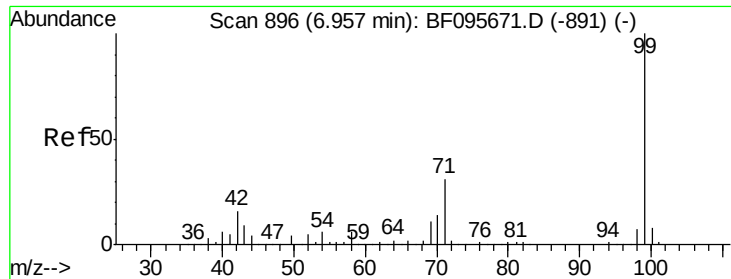
Tgt Ion:152 Resp: 73040  
 Ion Ratio Lower Upper  
 152 100  
 150 149.0 126.2 189.2  
 115 55.0 52.2 78.2



#5  
 2-Fluorophenol  
 Concen: 105.25 ng  
 RT: 5.26 min Scan# 625  
 Delta R.T. -0.02 min  
 Lab File: BF095818.D  
 Acq: 9 Jun 2017 13:19

Tgt Ion:112 Resp: 482455  
 Ion Ratio Lower Upper  
 112 100  
 64 54.5 46.0 69.0  
 63 26.6 23.4 35.0





#7

Phenol-d6

Concen: 110.09 ng

RT: 6.93 min Scan# 908

Delta R.T. -0.03 min

Lab File: BF095818.D

Acq: 9 Jun 2017 13:19

Instrument :

BNA\_F

ClientSampled :

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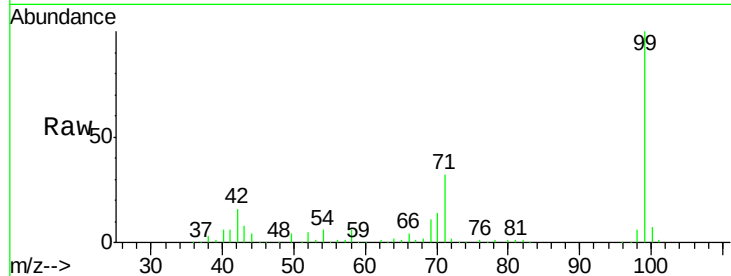
Tgt Ion: 99 Resp: 604100

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

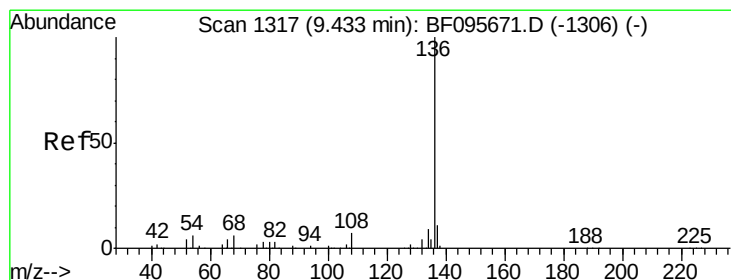
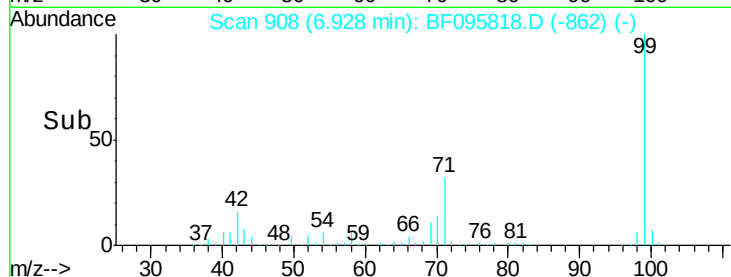
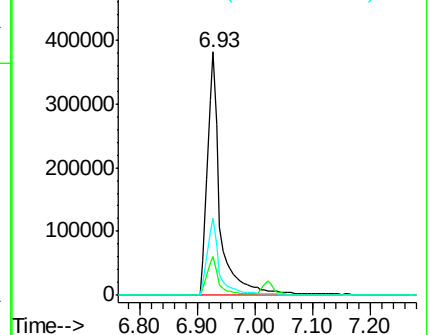
71 31.7 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.40 min Scan# 1328

Delta R.T. -0.04 min

Lab File: BF095818.D

Acq: 9 Jun 2017 13:19

Tgt Ion: 136 Resp: 295263

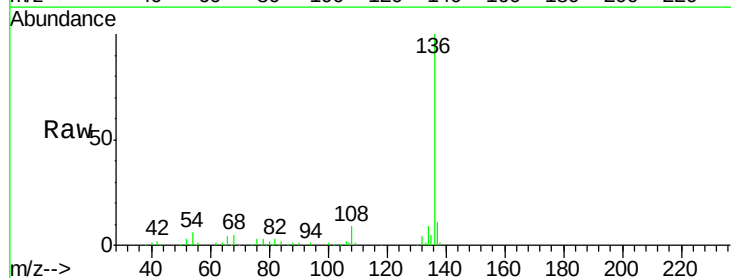
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.4 4.9 7.3

68 5.4 4.1 6.1

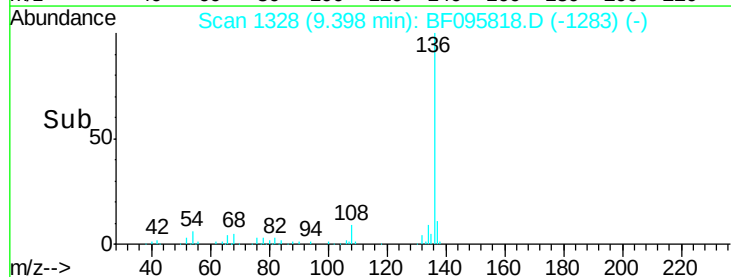
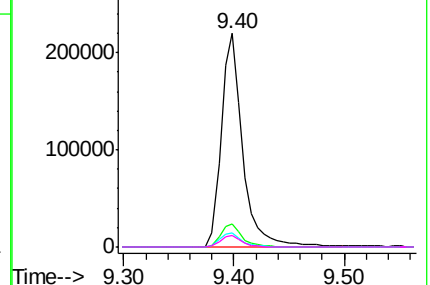


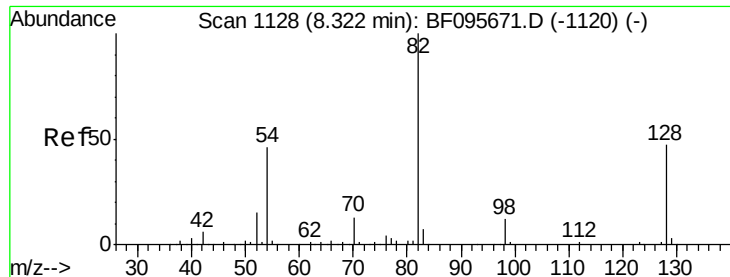
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

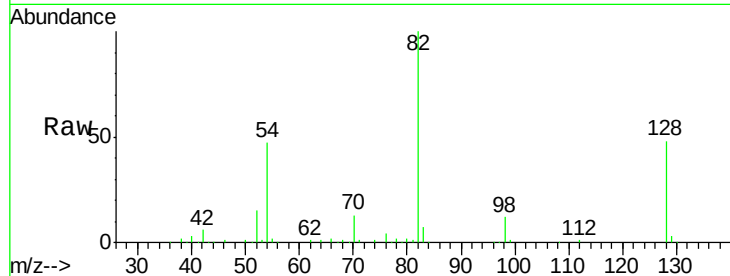




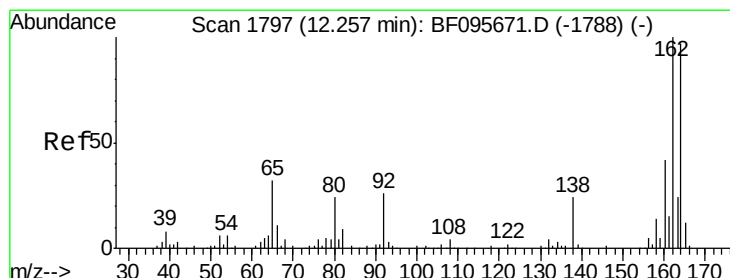
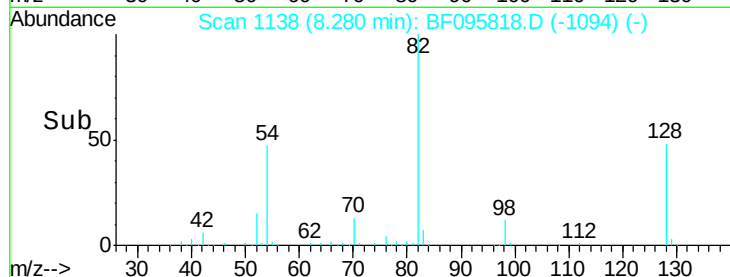
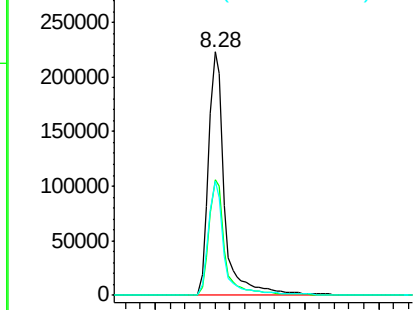
#23  
Nitrobenzene-d5  
Concen: 70.57 ng  
RT: 8.28 min Scan# 1138  
Delta R.T. -0.04 min  
Lab File: BF095818.D  
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Tgt Ion: 82 Resp: 335521  
Ion Ratio Lower Upper  
82 100  
128 47.7 34.0 51.0  
54 47.0 42.2 63.2

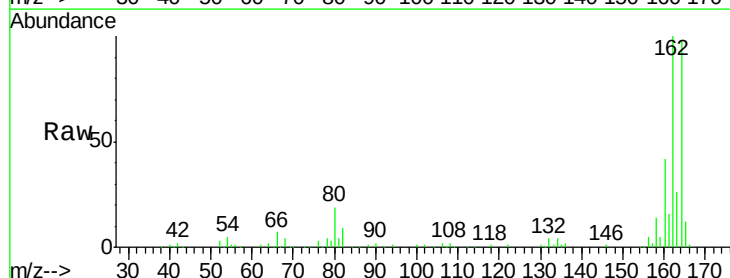


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

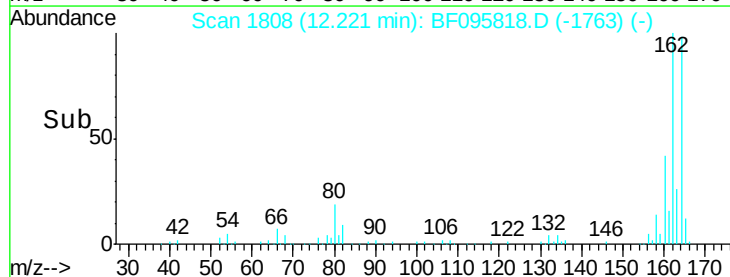
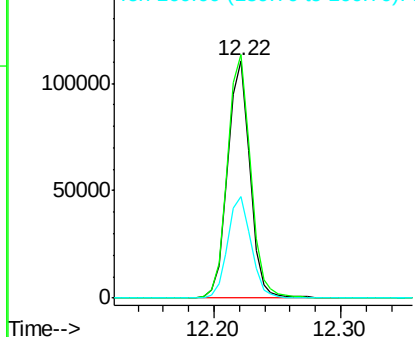


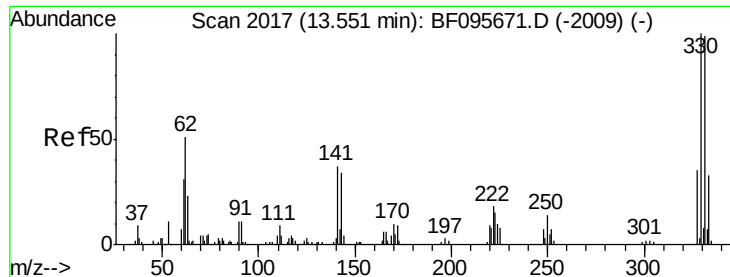
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 12.22 min Scan# 1808  
Delta R.T. -0.04 min  
Lab File: BF095818.D  
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Tgt Ion: 164 Resp: 134333  
Ion Ratio Lower Upper  
164 100  
162 102.4 82.6 123.8  
160 42.7 36.2 54.2



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

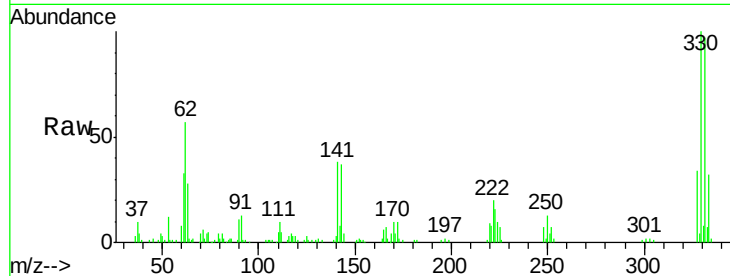




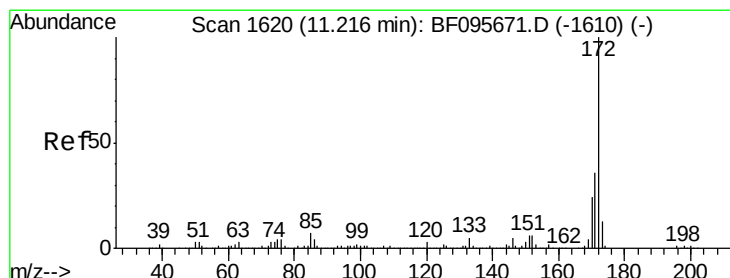
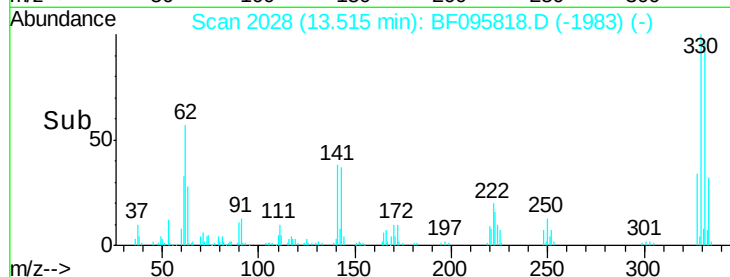
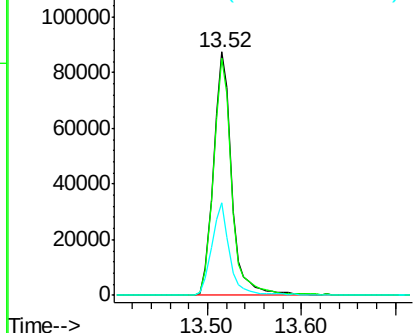
#41  
 2,4,6-Tribromophenol  
 Concen: 101.15 ng  
 RT: 13.52 min Scan# 2028  
 Delta R.T. -0.04 min  
 Lab File: BF095818.D  
 Acq: 9 Jun 2017 13:19

Instrument :  
 BNA\_F  
 ClientSampled :  
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Tgt Ion:330 Resp: 120216  
 Ion Ratio Lower Upper  
 330 100  
 332 97.6 76.6 115.0  
 141 36.9 31.4 47.2

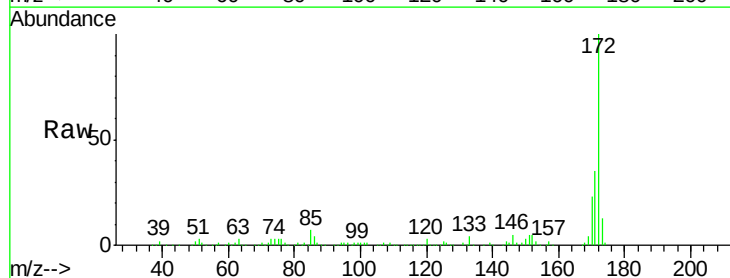


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

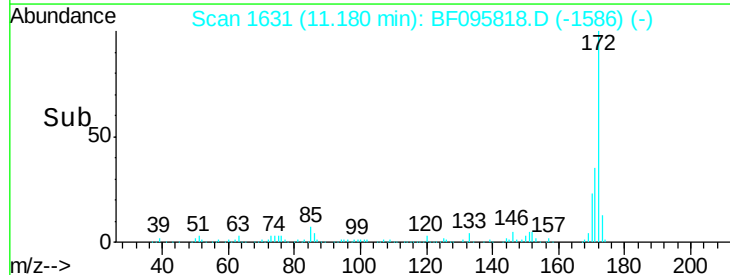
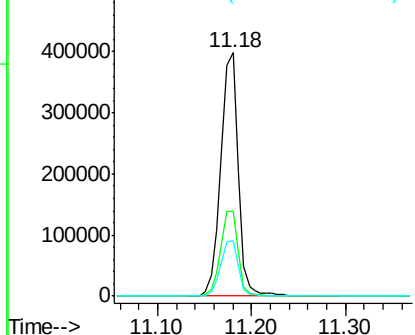


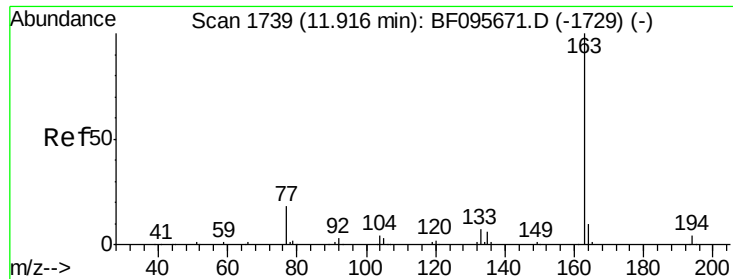
#44  
 2-Fluorobiphenyl  
 Concen: 53.96 ng  
 RT: 11.18 min Scan# 1631  
 Delta R.T. -0.04 min  
 Lab File: BF095818.D  
 Acq: 9 Jun 2017 13:19

Tgt Ion:172 Resp: 520907  
 Ion Ratio Lower Upper  
 172 100  
 171 35.1 29.6 44.4  
 170 22.7 19.8 29.8



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





#49

Dimethylphthalate

Concen: 10.15 ng

RT: 11.87 min Scan# 1749

Delta R.T. -0.04 min

Lab File: BF095818.D

Acq: 9 Jun 2017 13:19

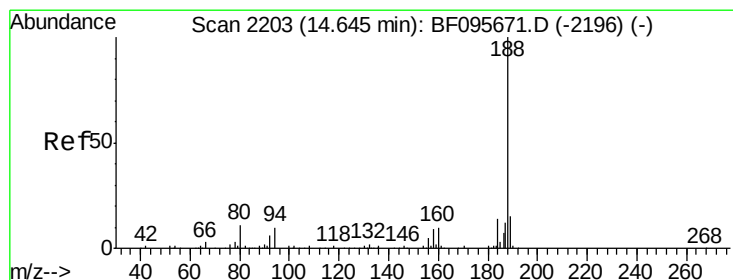
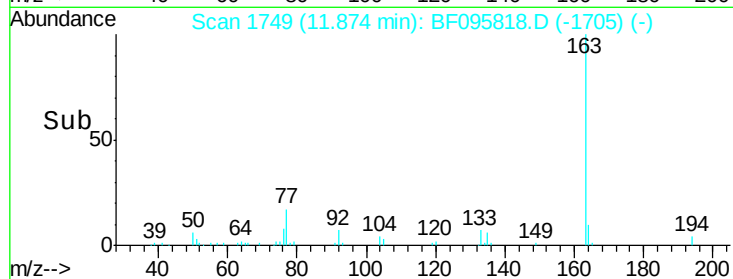
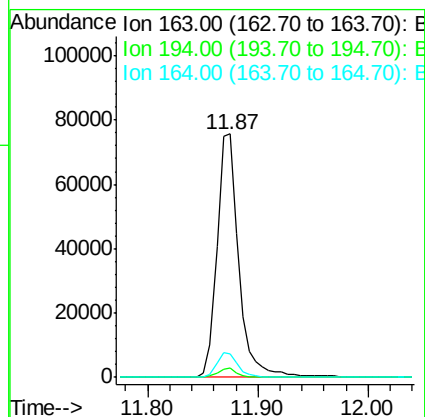
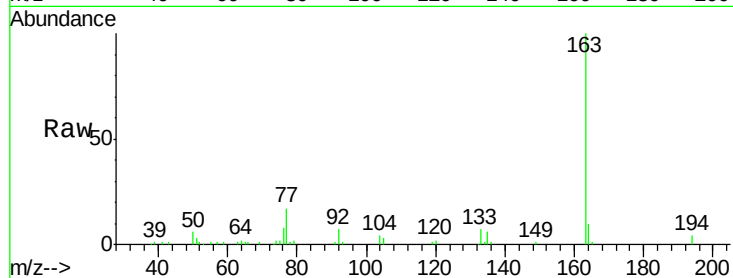
Instrument :

BNA\_F

ClientSampled :

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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 163   | Resp: | 103485 |
| Ion      | Ratio | Lower | Upper  |
| 163      | 100   |       |        |
| 194      | 3.9   | 2.6   | 4.0    |
| 164      | 9.6   | 8.4   | 12.6   |



#63

Phenanthrene-d10

Concen: 20.00 ng

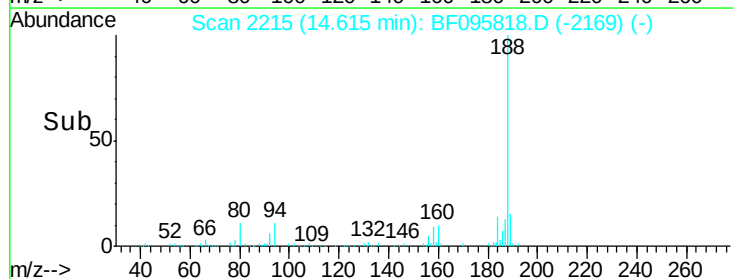
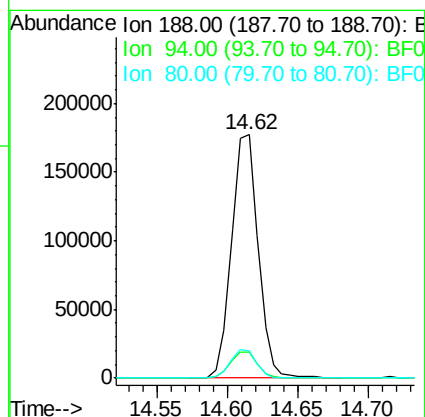
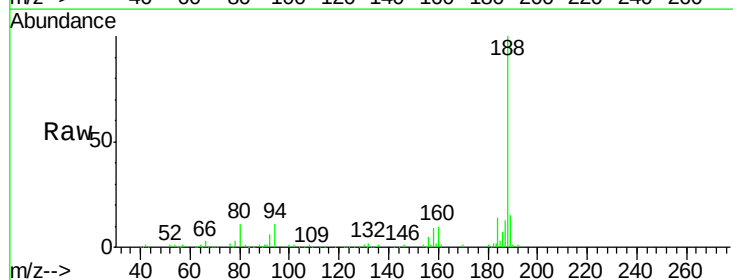
RT: 14.62 min Scan# 2215

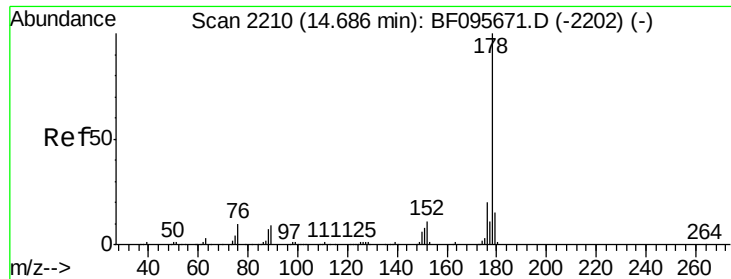
Delta R.T. -0.03 min

Lab File: BF095818.D

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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 232908 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 10.7  | 9.4   | 14.2   |
| 80       | 11.1  | 10.2  | 15.2   |





#70

Phenanthrene

Concen: 5.10 ng

RT: 14.65 min Scan# 2221

Delta R.T. -0.04 min

Lab File: BF095818.D

Acq: 9 Jun 2017 13:19

Instrument :

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ClientSampleId :

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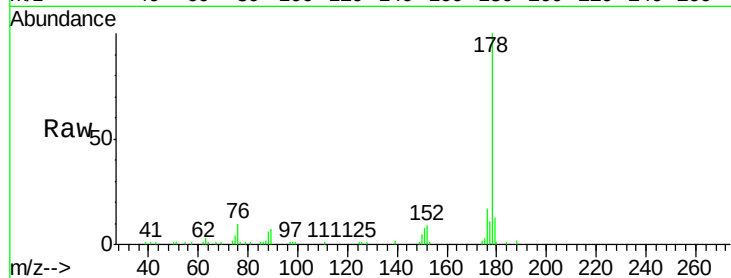
Tgt Ion:178 Resp: 68603

Ion Ratio Lower Upper

178 100

176 16.7 16.2 24.4

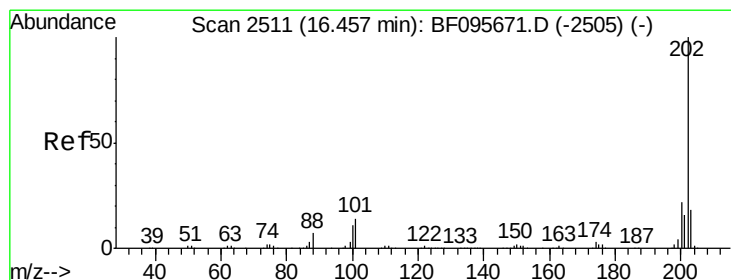
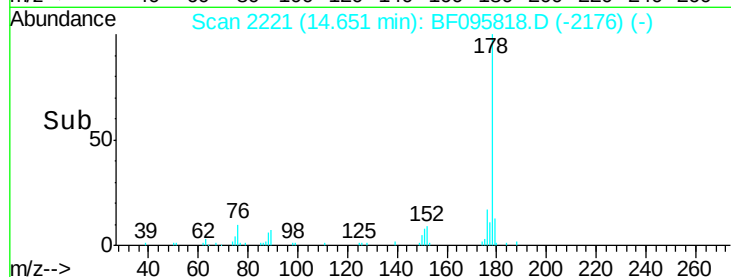
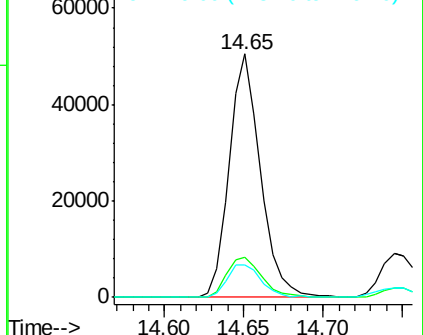
179 13.3 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 5.72 ng

RT: 16.43 min Scan# 2524

Delta R.T. -0.02 min

Lab File: BF095818.D

Acq: 9 Jun 2017 13:19

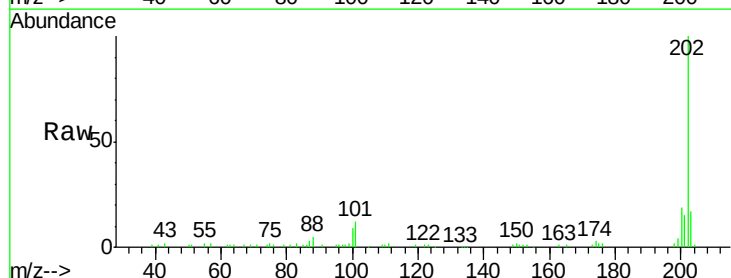
Tgt Ion:202 Resp: 76060

Ion Ratio Lower Upper

202 100

101 12.4 0.0 33.2

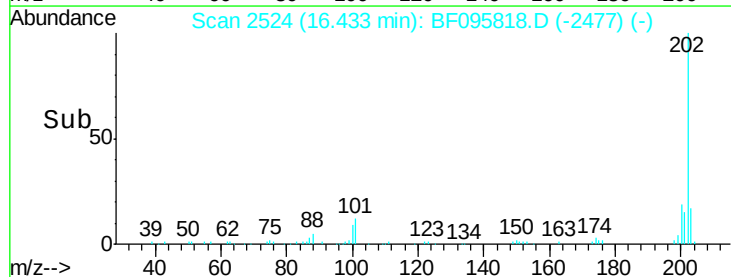
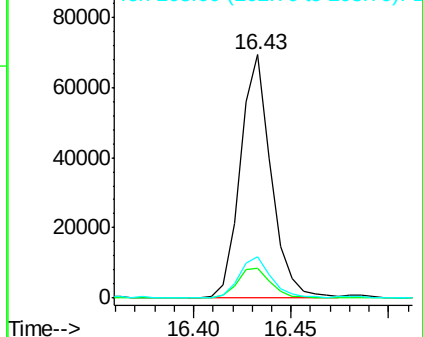
203 17.0 0.0 38.1



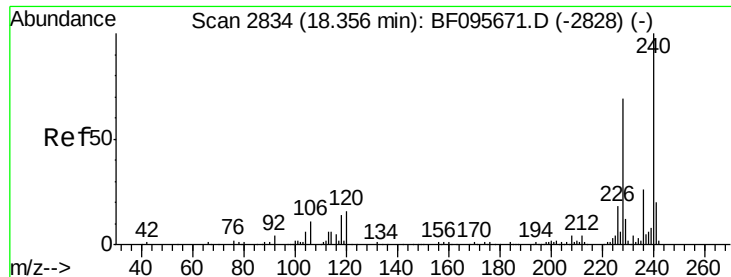
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E







#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.33 min Scan# 2846

Delta R.T. -0.03 min

Lab File: BF095818.D

Acq: 9 Jun 2017 13:19

Instrument :

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ClientSampleId :

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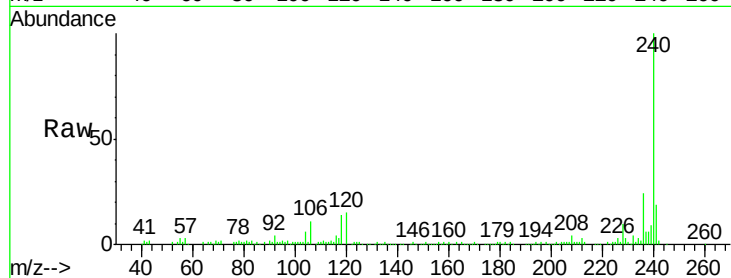
Tgt Ion:240 Resp: 151148

Ion Ratio Lower Upper

240 100

120 15.5 5.8 8.8#

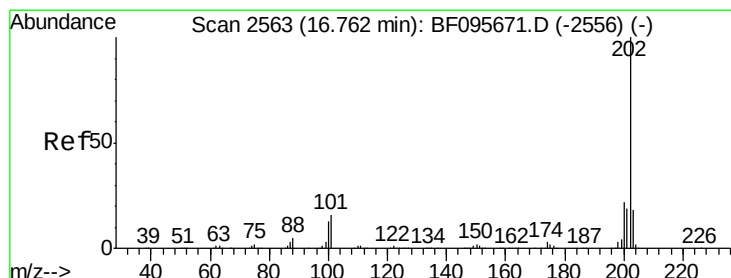
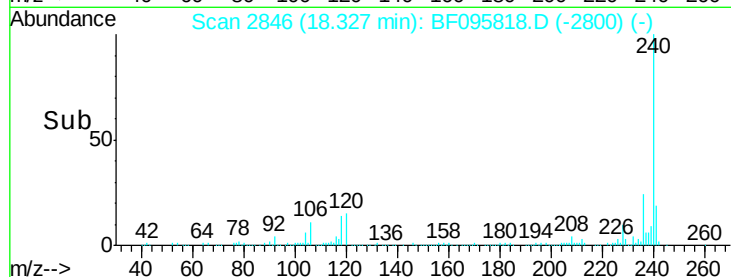
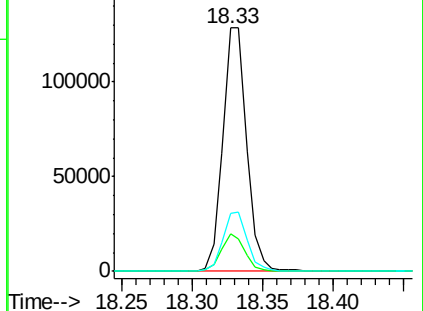
236 24.0 20.5 30.7



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



#77

Pyrene

Concen: 5.97 ng

RT: 16.73 min Scan# 2575

Delta R.T. -0.03 min

Lab File: BF095818.D

Acq: 9 Jun 2017 13:19

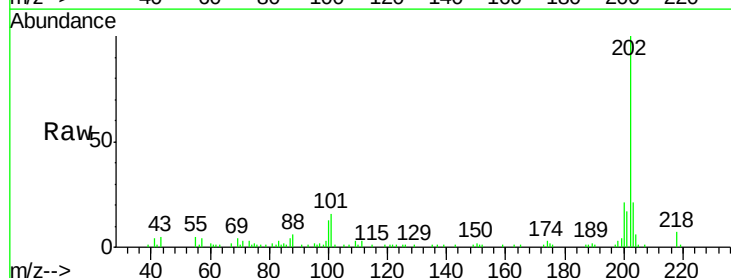
Tgt Ion:202 Resp: 67285

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

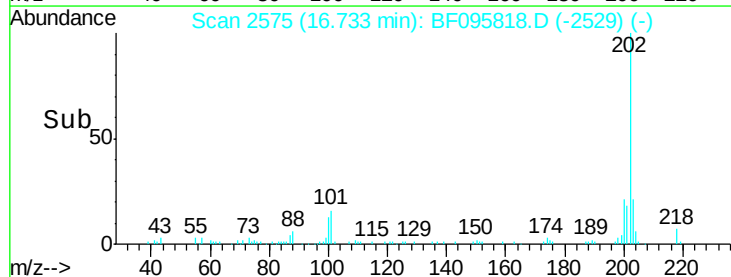
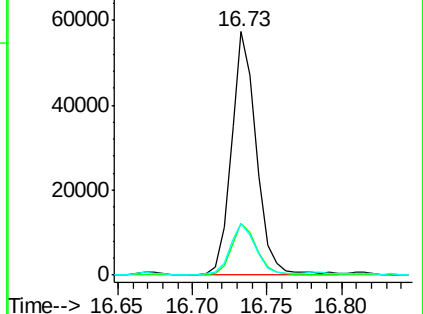
203 21.1 14.4 21.6

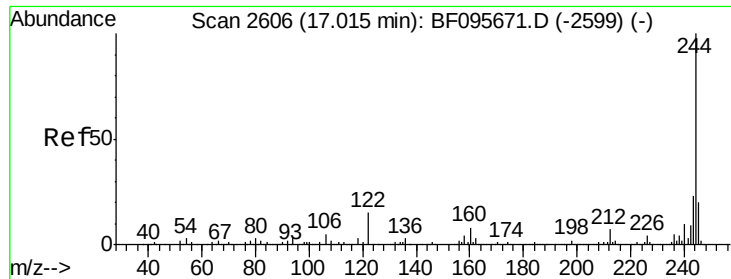


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

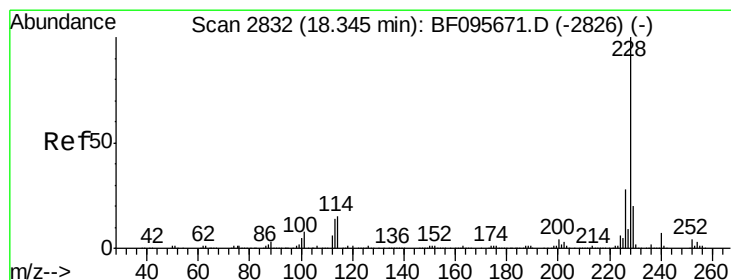
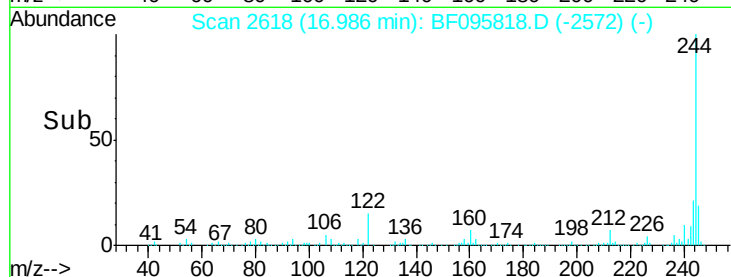
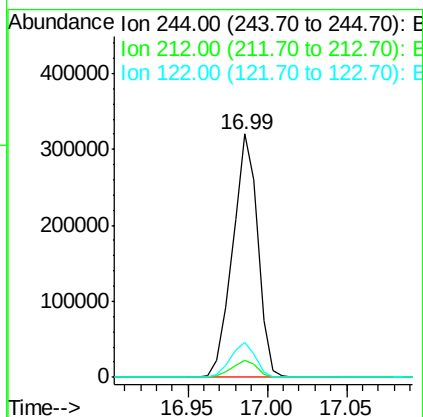
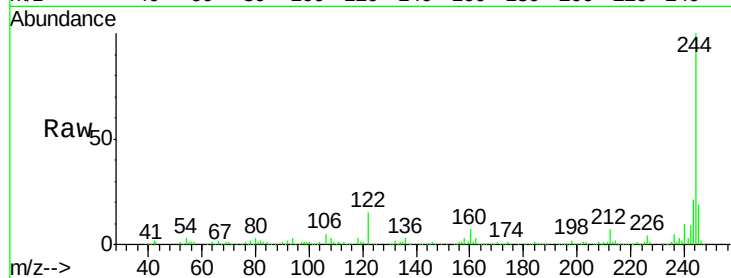




#78  
 Terphenyl-d14  
 Concen: 57.62 ng  
 RT: 16.99 min Scan# 2618  
 Delta R.T. -0.03 min  
 Lab File: BF095818.D  
 Acq: 9 Jun 2017 13:19

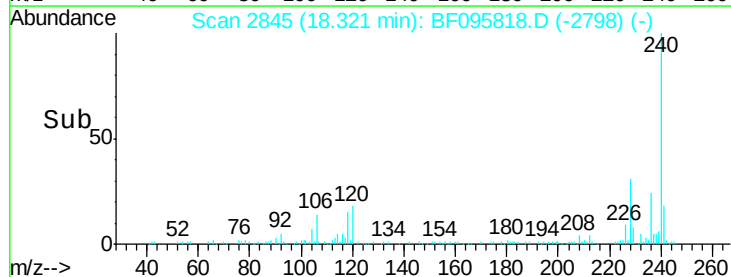
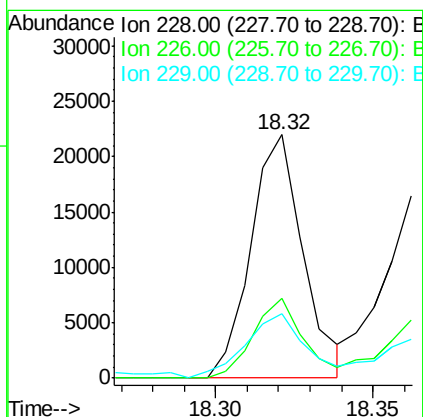
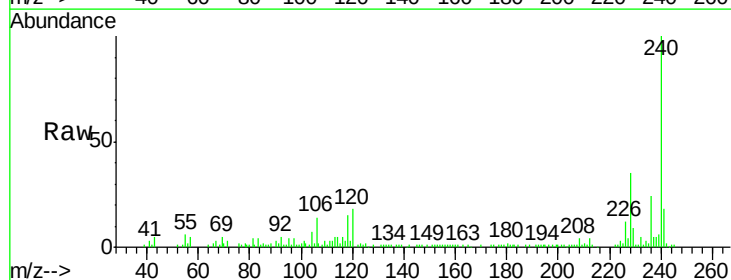
Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-7

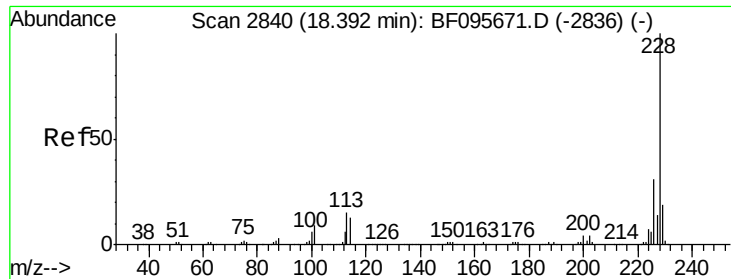
Tgt Ion:244 Resp: 350905  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 6.0 9.0  
 122 14.5 10.3 15.5



#80  
 Benzo(a)anthracene  
 Concen: 2.89 ng m  
 RT: 18.32 min Scan# 2845  
 Delta R.T. -0.02 min  
 Lab File: BF095818.D  
 Acq: 9 Jun 2017 13:19

Tgt Ion:228 Resp: 25364  
 Ion Ratio Lower Upper  
 228 100  
 226 32.9 22.6 33.8  
 229 26.5 16.3 24.5#





#82

Chrysene

Concen: 2.89 ng

RT: 18.37 min Scan# 2853

Delta R.T. -0.02 min

Lab File: BF095818.D

Acq: 9 Jun 2017 13:19

Instrument :

BNA\_F

ClientSampled :

S-7

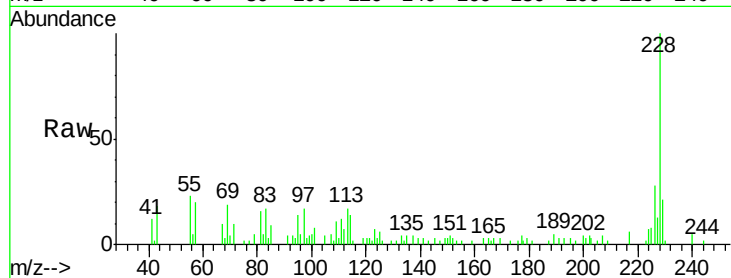
Tgt Ion:228 Resp: 25346

Ion Ratio Lower Upper

228 100

226 28.1 24.9 37.3

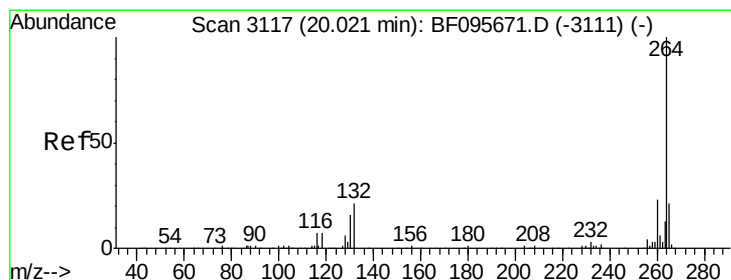
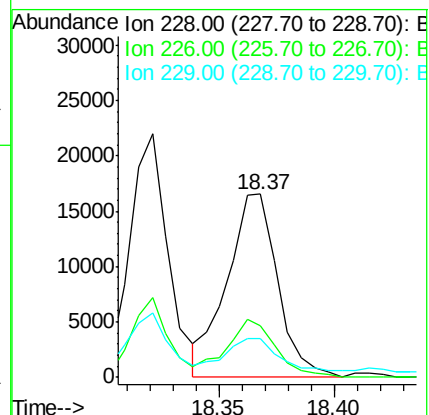
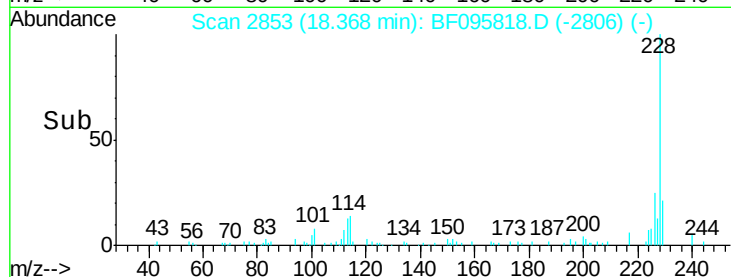
229 21.1 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.00 min Scan# 3130

Delta R.T. -0.02 min

Lab File: BF095818.D

Acq: 9 Jun 2017 13:19

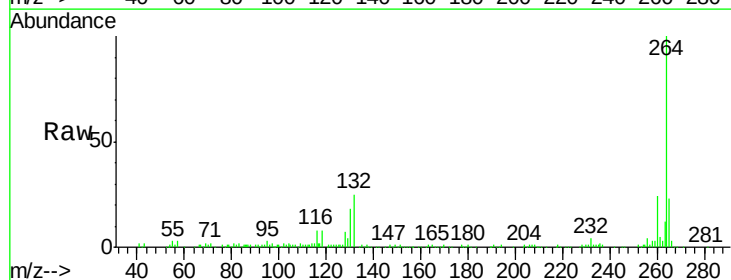
Tgt Ion:264 Resp: 136800

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

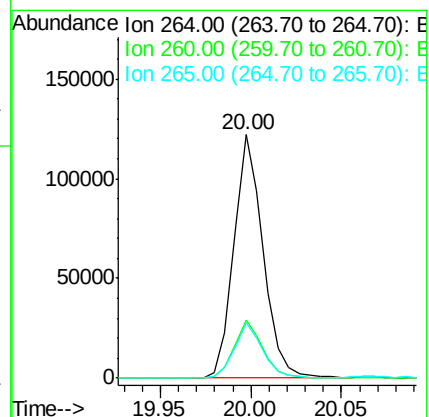
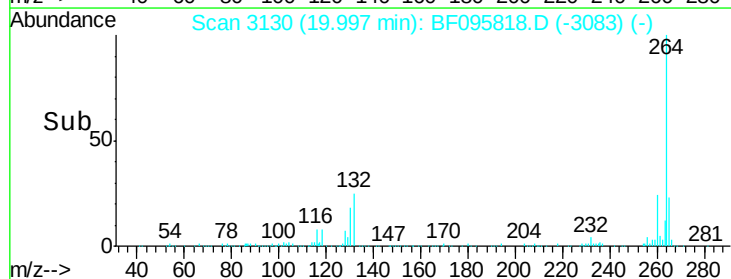
265 22.8 17.2 25.8

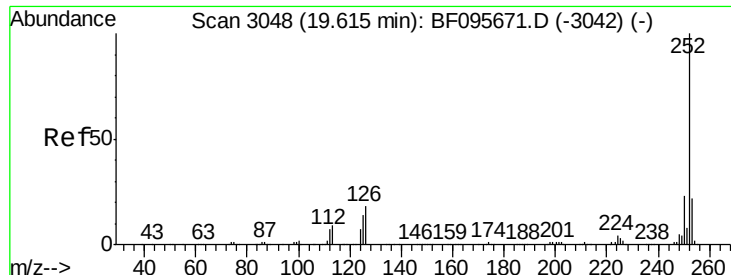


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.21 ng

RT: 19.60 min Scan# 3063

Delta R.T. -0.01 min

Lab File: BF095818.D

Acq: 9 Jun 2017 13:19

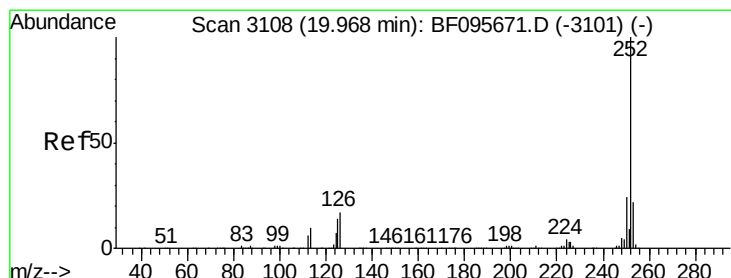
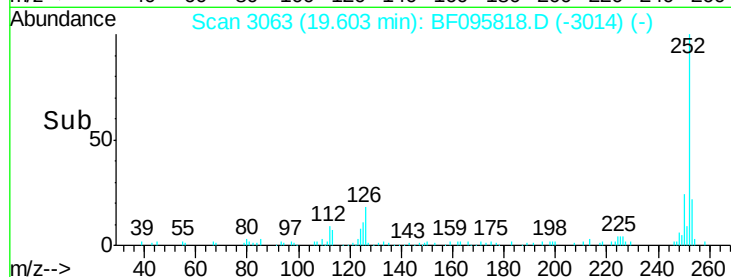
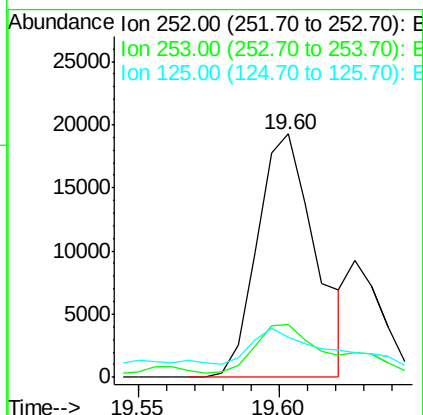
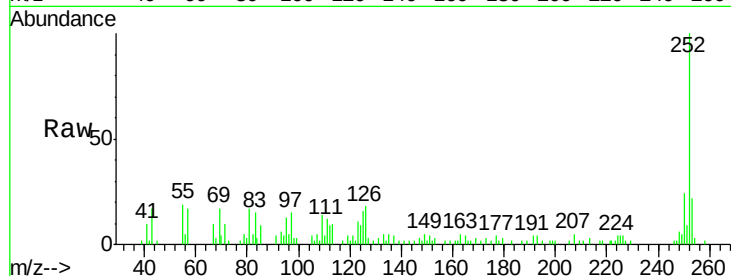
Instrument :

BNA\_F

ClientSampleId :

S-7

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 27503 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 21.7  | 18.1  | 27.1  |
| 125       | 16.5  | 9.8   | 14.8# |



#89

Benzo(a)pyrene

Concen: 2.55 ng

RT: 19.95 min Scan# 3122

Delta R.T. -0.02 min

Lab File: BF095818.D

Acq: 9 Jun 2017 13:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 20095 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 25.9  | 17.5  | 26.3  |
| 125       | 19.8  | 11.0  | 16.4# |

