

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF092418\  
 Data File : BF109274.D  
 Acq On : 24 Sep 2018 18:11  
 Operator : JU/SJ  
 Sample : J4770-11 2X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-092118-F

Quant Time: Sep 25 04:42:43 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF092218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 22 13:32:18 2018  
 Response via : Initial Calibration

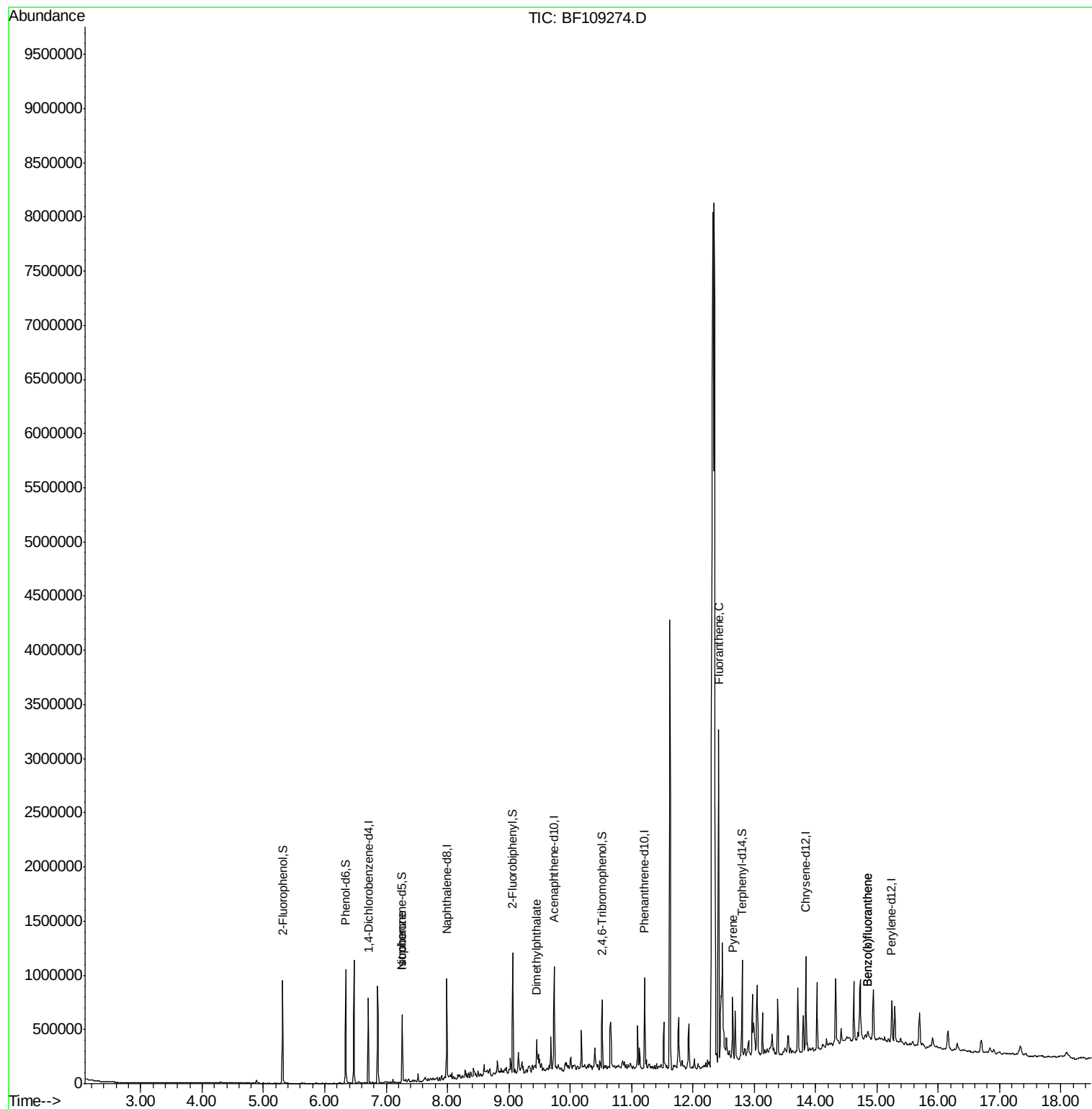
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.71  | 152  | 103704   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.99  | 136  | 377578   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.74  | 164  | 159908   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.22 | 188  | 288743   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.84 | 240  | 274138   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.24 | 264  | 180718   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.31  | 112  | 253892   | 40.32  | ng    | 0.00     |
| 7) Phenol-d6                | 6.34  | 99   | 315327   | 39.25  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 184350   | 28.82  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.52 | 330  | 60846    | 38.60  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.06  | 172  | 310960   | 29.33  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.80 | 244  | 292891   | 26.22  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 25) Isophorone              | 7.26  | 82   | 148752   | 12.915 | ng    | # 65     |
| 49) Dimethylphthalate       | 9.46  | 163  | 84710    | 7.283  | ng    | # 99     |
| 74) Fluoranthene            | 12.43 | 202  | 51271    | 3.328  | ng    | 83       |
| 77) Pyrene                  | 12.65 | 202  | 57980    | 2.951  | ng    | 98       |
| 87) Benzo(b)fluoranthene    | 14.85 | 252  | 33384    | 3.362  | ng    | # 70     |
| 88) Benzo(k)fluoranthene    | 14.85 | 252  | 33384    | 3.543  | ng    | # 74     |

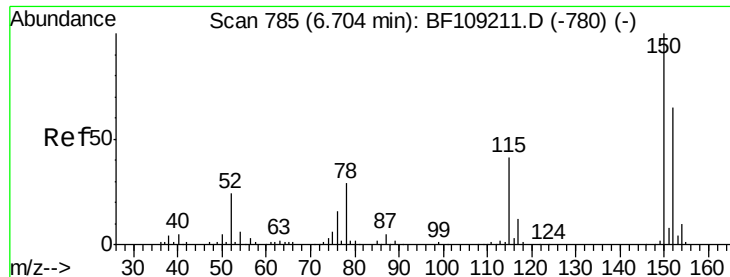
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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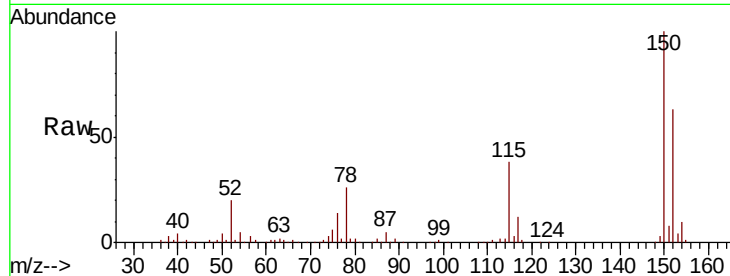


#1

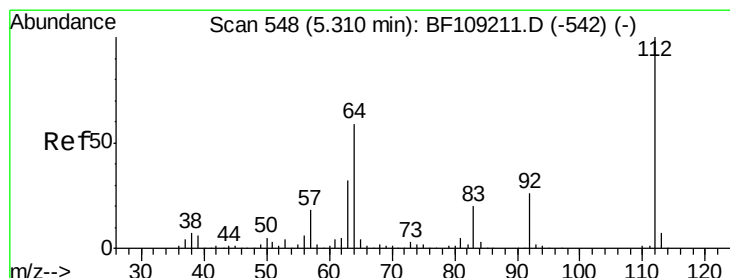
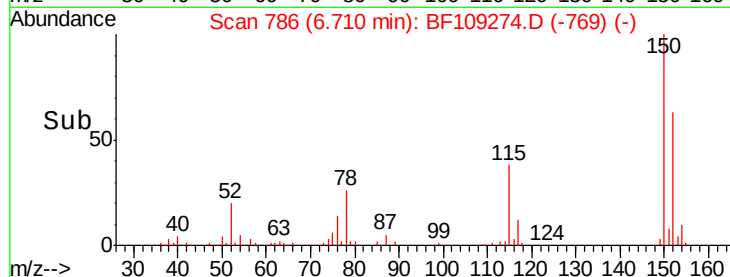
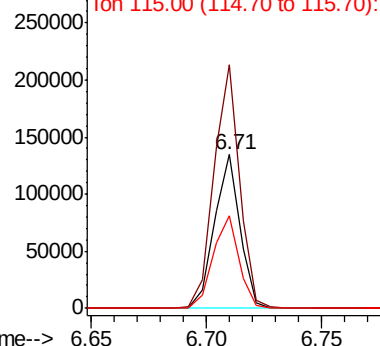
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.71 min Scan# 786  
 Delta R.T. -0.00 min  
 Lab File: BF109274.D  
 Acq: 24 Sep 2018 18:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-092118-F

Tgt Ion:152 Resp: 103704  
 Ion Ratio Lower Upper  
 152 100  
 150 158.6 124.6 186.8  
 115 60.2 50.1 75.1



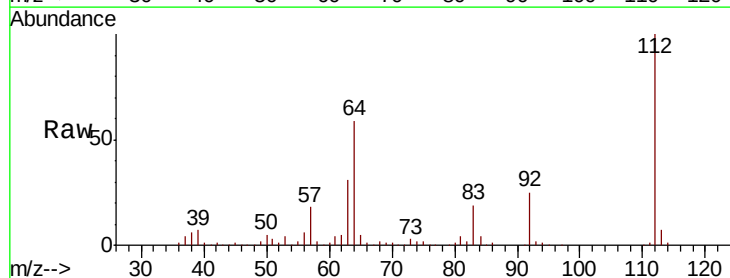
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



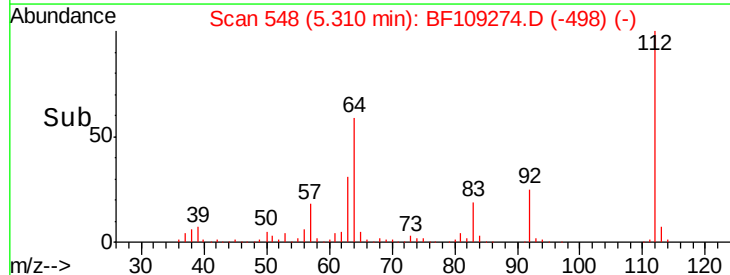
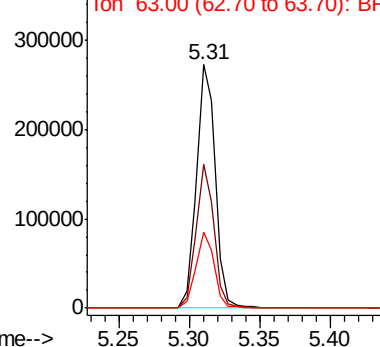
#5

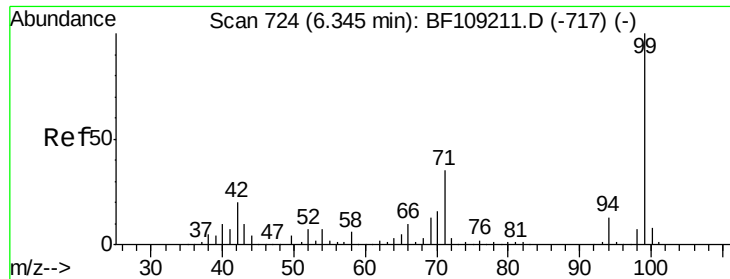
2-Fluorophenol  
 Concen: 40.324 ng  
 RT: 5.31 min Scan# 548  
 Delta R.T. -0.01 min  
 Lab File: BF109274.D  
 Acq: 24 Sep 2018 18:11

Tgt Ion:112 Resp: 253892  
 Ion Ratio Lower Upper  
 112 100  
 64 59.2 47.9 71.9  
 63 31.3 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: 39.248 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109274.D

Acq: 24 Sep 2018 18:11

Instrument :

BNA\_F

ClientSampleId :

JC-02-092118-F

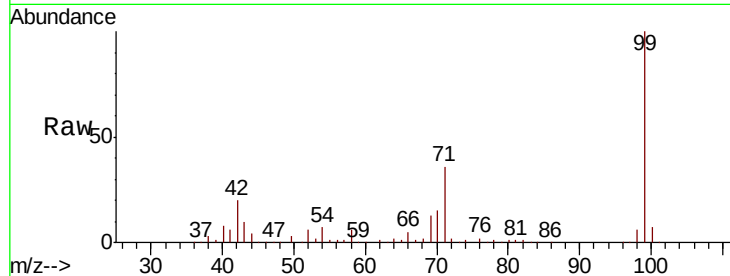
Tgt Ion: 99 Resp: 315327

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

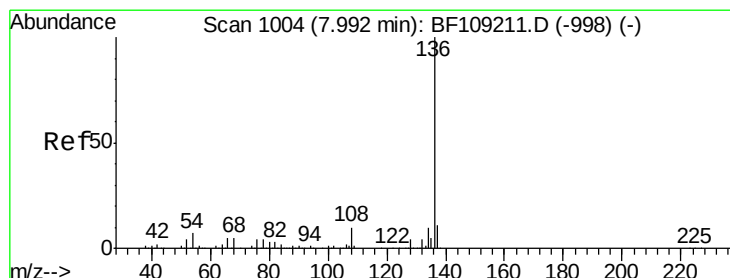
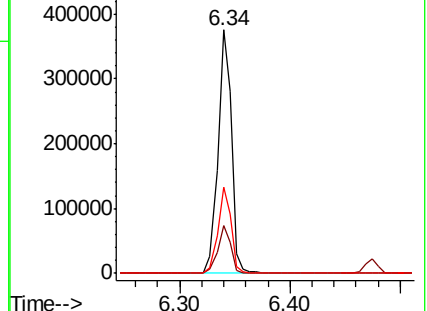
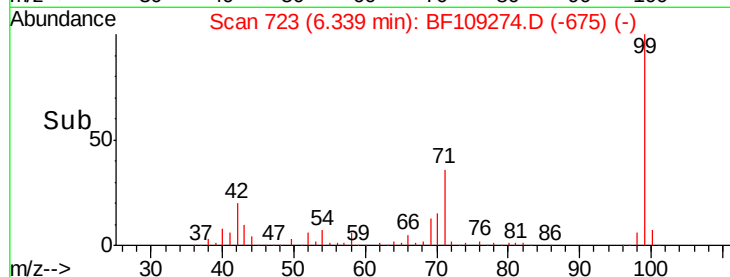
71 35.6 25.4 38.0



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: 7.99 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BF109274.D

Acq: 24 Sep 2018 18:11

Tgt Ion: 136 Resp: 377578

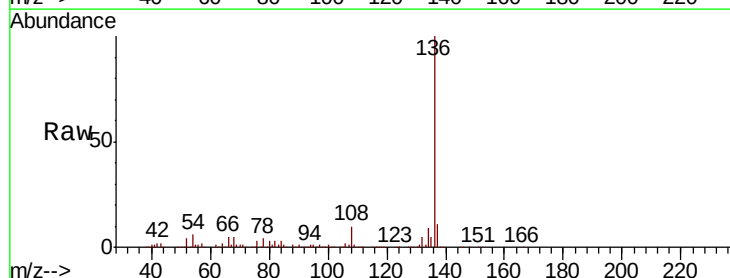
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 6.4 6.6 9.8#

68 5.3 5.0 7.4

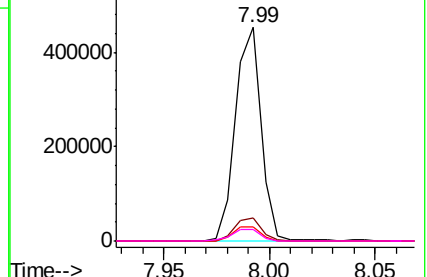
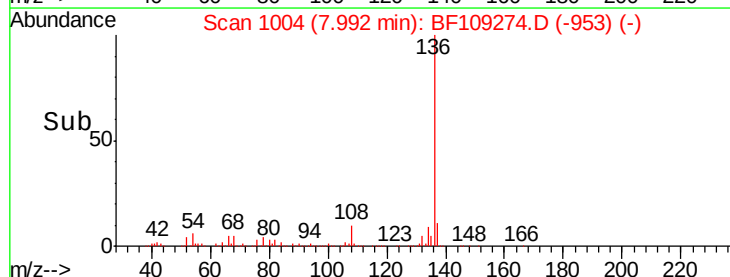


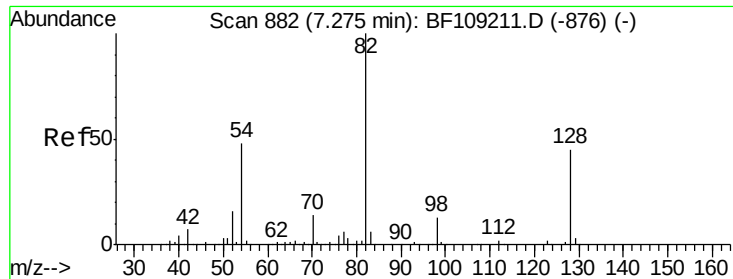
Abundance Ion 136.00 (135.70 to 136.70): E

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

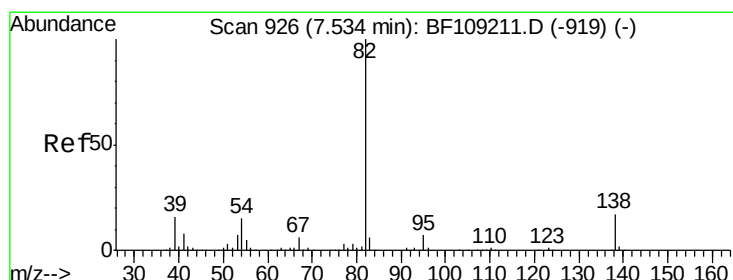
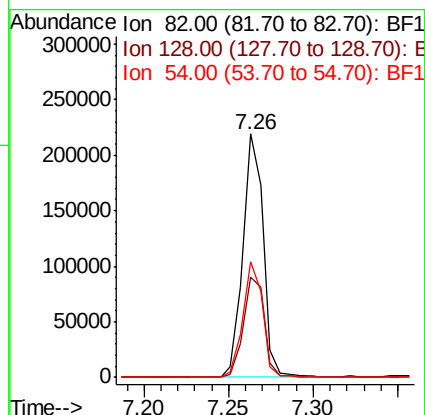
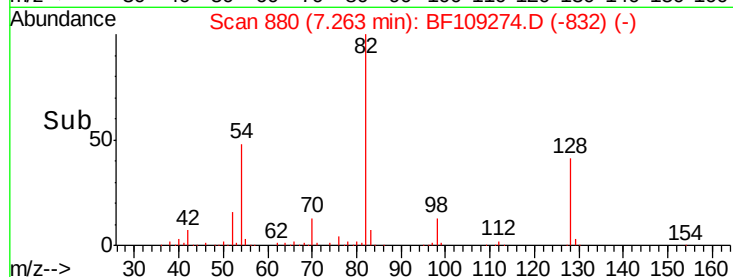
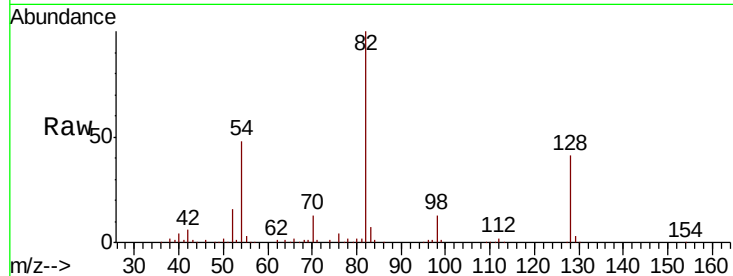




#23  
 Nitrobenzene-d5  
 Concen: 28.822 ng  
 RT: 7.26 min Scan# 880  
 Delta R.T. -0.02 min  
 Lab File: BF109274.D  
 Acq: 24 Sep 2018 18:11

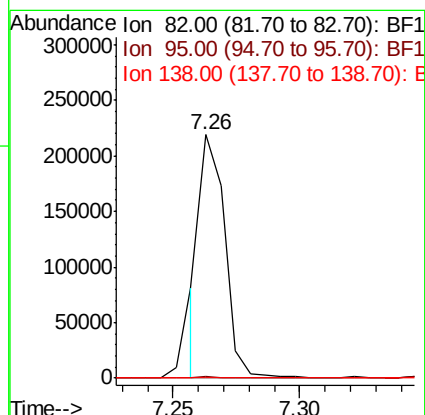
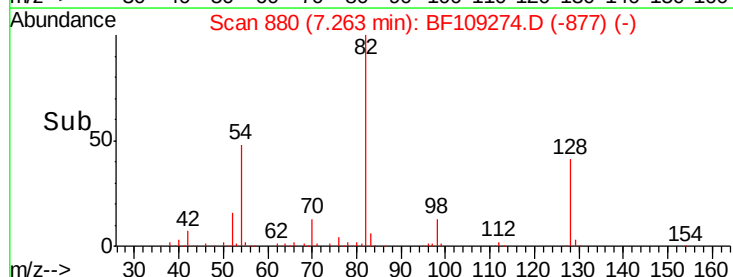
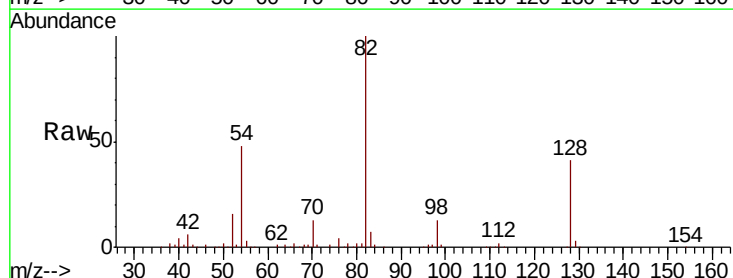
Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-092118-F

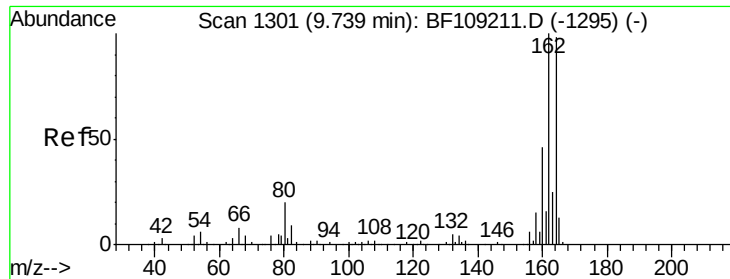
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 41.3  | 36.1  | 54.1  |
| 54      | 47.7  | 41.4  | 62.2  |



#25  
 Isophorone  
 Concen: 12.915 ng  
 RT: 7.26 min Scan# 880  
 Delta R.T. -0.28 min  
 Lab File: BF109274.D  
 Acq: 24 Sep 2018 18:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 0.5   | 5.2   | 7.8#  |
| 138     | 0.0   | 14.9  | 22.3# |

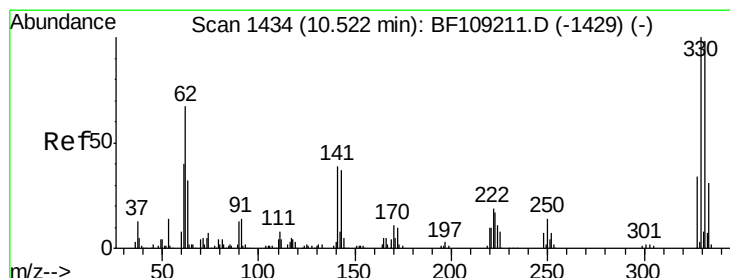
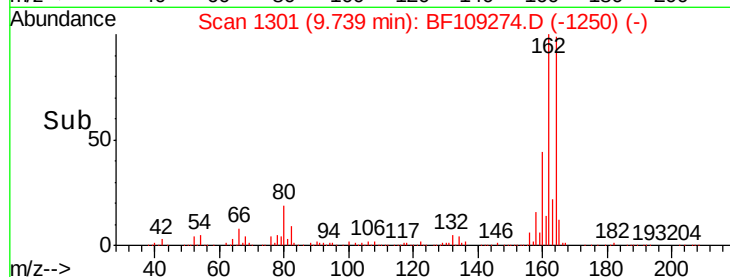
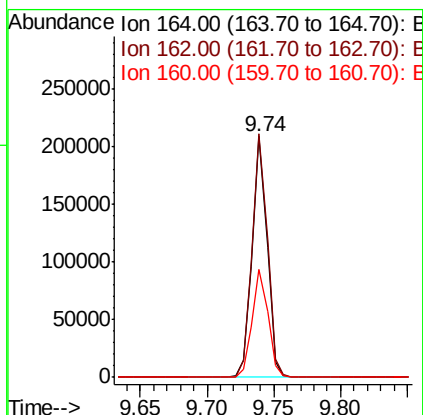
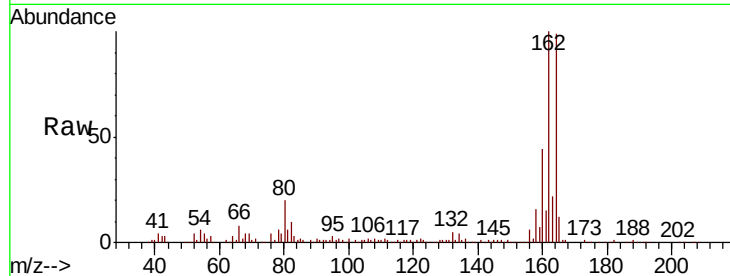




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.74 min Scan# 1301  
 Delta R.T. -0.00 min  
 Lab File: BF109274.D  
 Acq: 24 Sep 2018 18:11

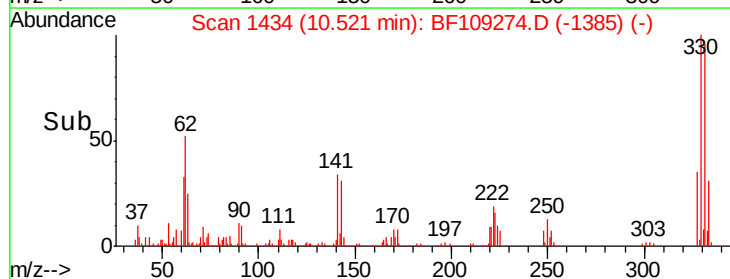
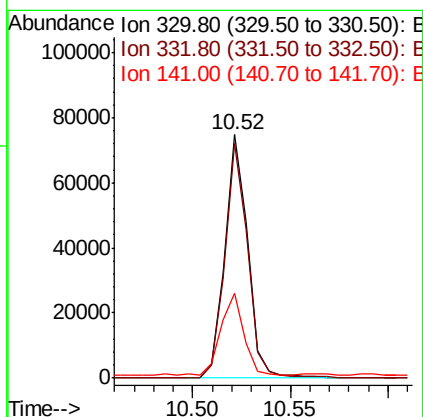
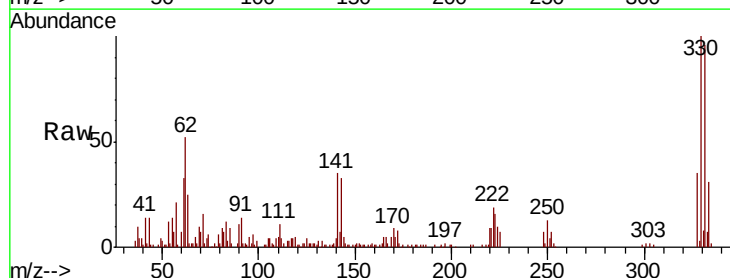
Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-092118-F

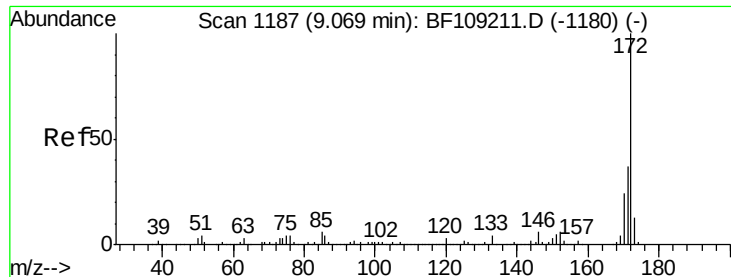
Tgt Ion:164 Resp: 159908  
 Ion Ratio Lower Upper  
 164 100  
 162 101.1 86.1 129.1  
 160 44.7 38.3 57.5



#41  
 2,4,6-Tribromophenol  
 Concen: 38.599 ng  
 RT: 10.52 min Scan# 1434  
 Delta R.T. -0.01 min  
 Lab File: BF109274.D  
 Acq: 24 Sep 2018 18:11

Tgt Ion:330 Resp: 60846  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 77.0 115.6  
 141 33.7 29.9 44.9





#44

2-Fluorobiphenyl

Concen: 29.329 ng

RT: 9.06 min Scan# 1186

Delta R.T. -0.01 min

Lab File: BF109274.D

Acq: 24 Sep 2018 18:11

Instrument :

BNA\_F

ClientSampleId :

JC-02-092118-F

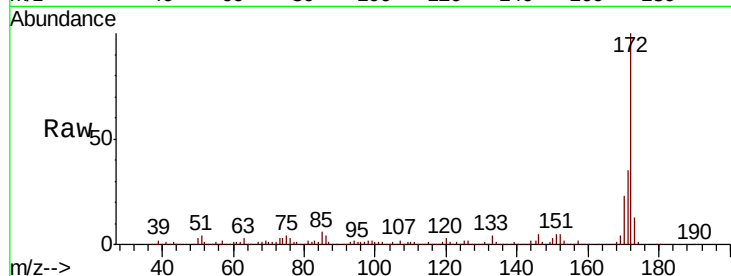
Tgt Ion:172 Resp: 310960

Ion Ratio Lower Upper

172 100

171 35.1 29.7 44.5

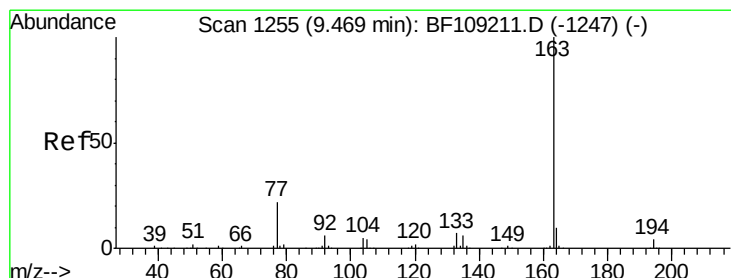
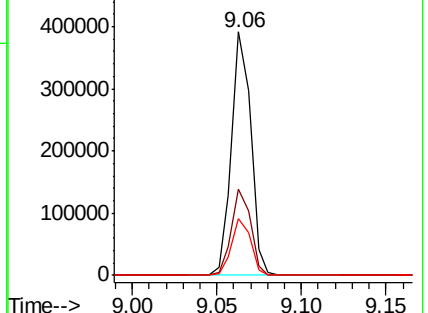
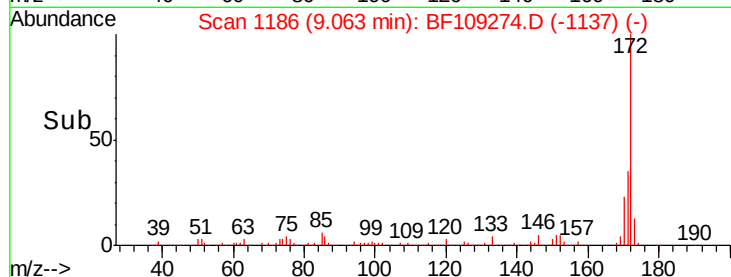
170 23.3 19.6 29.4



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: 7.283 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF109274.D

Acq: 24 Sep 2018 18:11

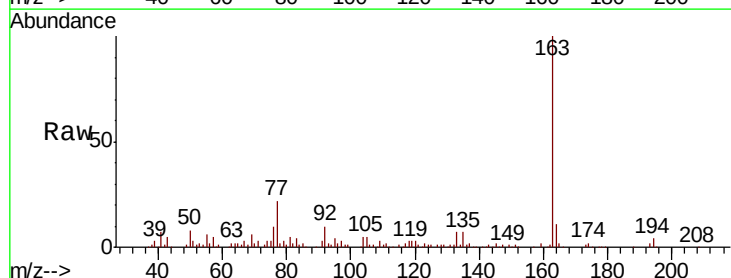
Tgt Ion:163 Resp: 84710

Ion Ratio Lower Upper

163 100

194 4.2 2.7 4.1#

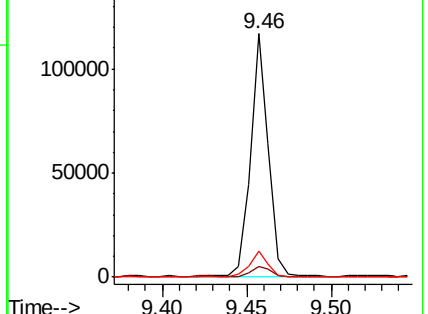
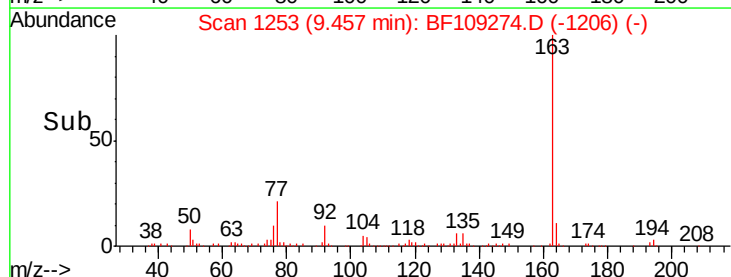
164 10.6 8.2 12.2

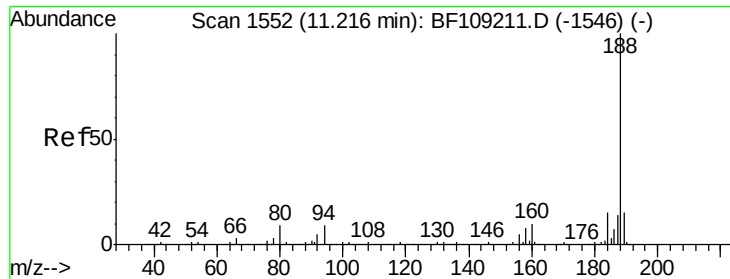


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

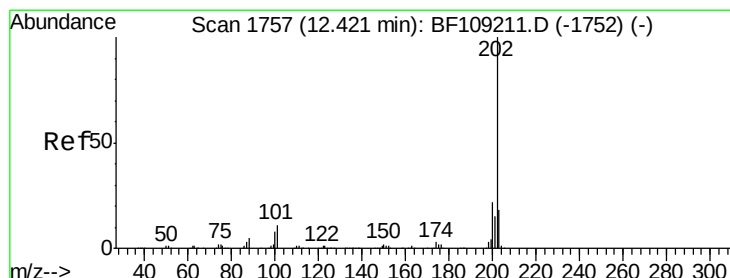
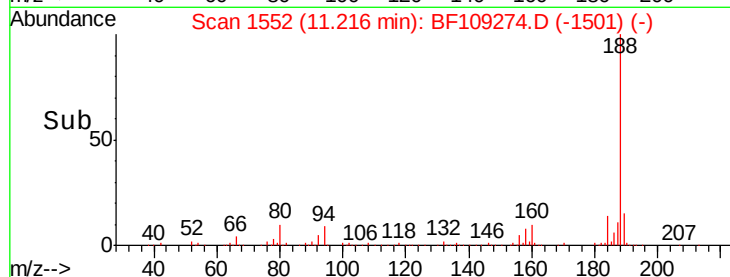
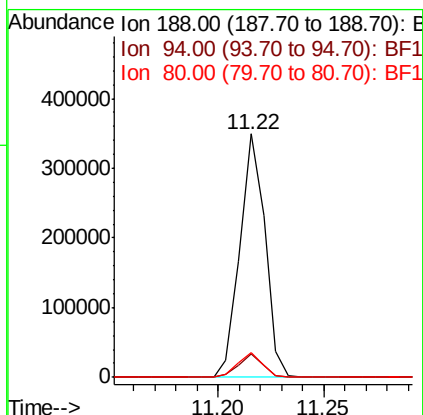
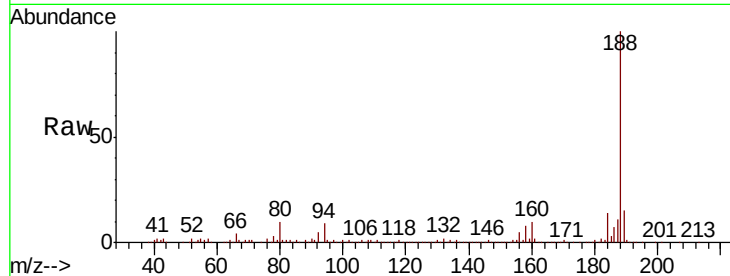




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.22 min Scan# 1552  
Delta R.T. -0.00 min  
Lab File: BF109274.D  
Acq: 24 Sep 2018 18:11

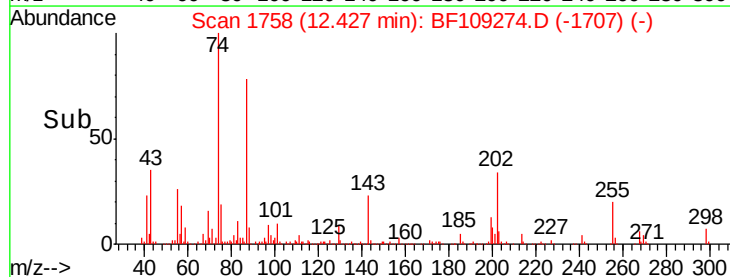
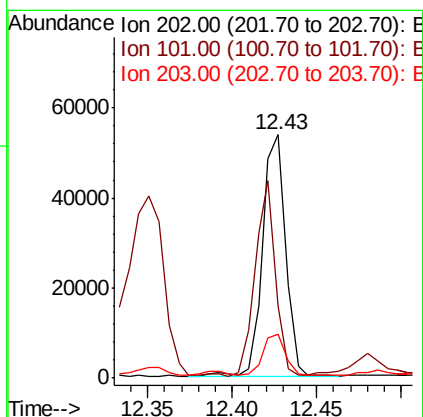
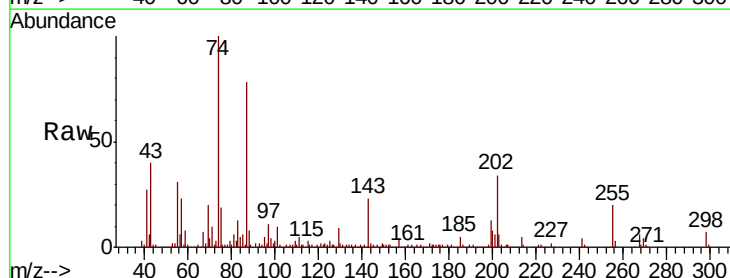
Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-092118-F

Tgt Ion:188 Resp: 288743  
Ion Ratio Lower Upper  
188 100  
94 9.4 8.5 12.7  
80 10.2 9.2 13.8

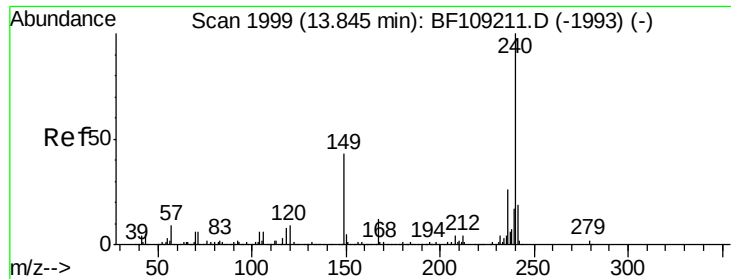


#74  
Fluoranthene  
Concen: 3.328 ng  
RT: 12.43 min Scan# 1758  
Delta R.T. -0.00 min  
Lab File: BF109274.D  
Acq: 24 Sep 2018 18:11

Tgt Ion:202 Resp: 51271  
Ion Ratio Lower Upper  
202 100  
101 29.4 0.0 34.1  
203 18.3 0.0 38.1



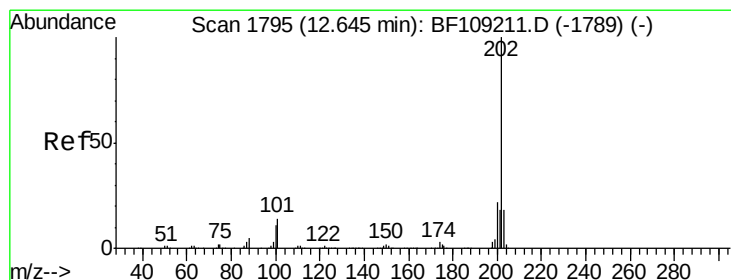
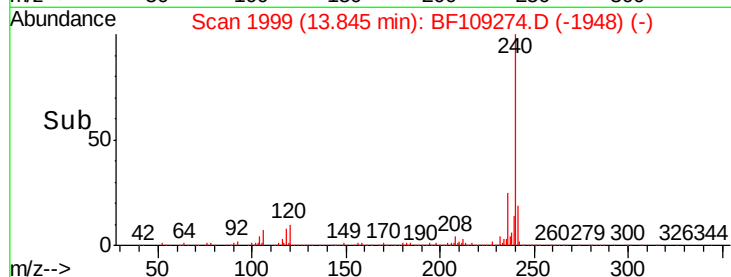
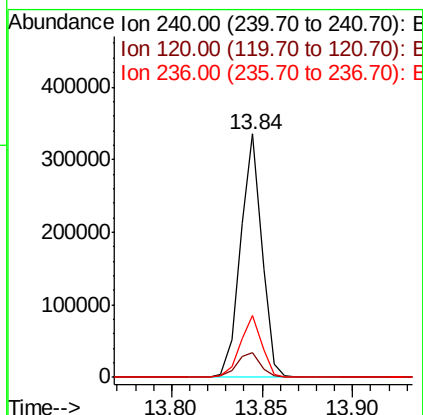
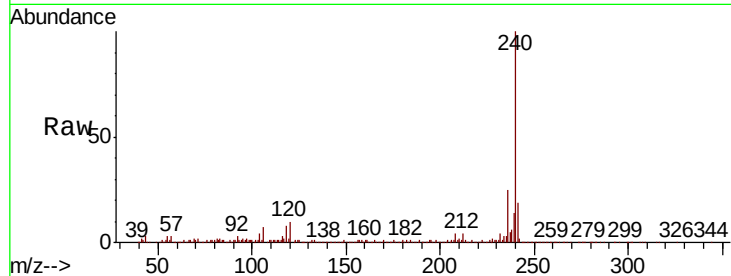




#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.84 min Scan# 1999  
Delta R.T. -0.00 min  
Lab File: BF109274.D  
Acq: 24 Sep 2018 18:11

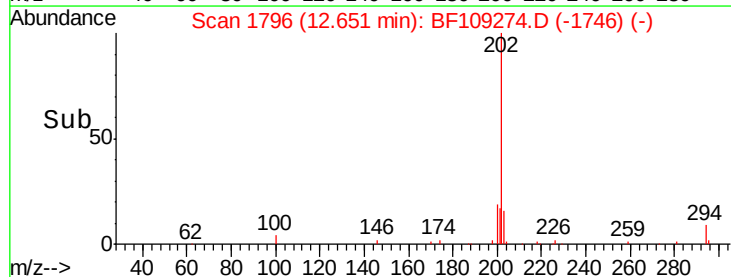
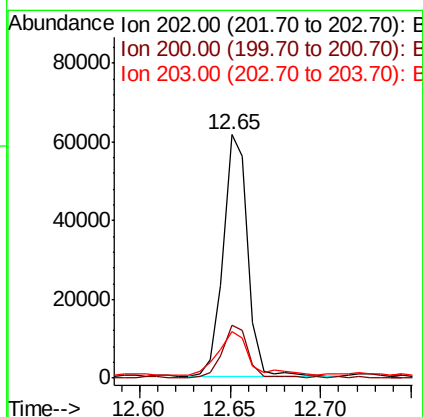
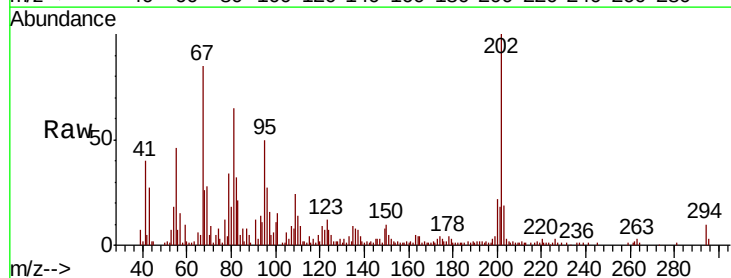
Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-092118-F

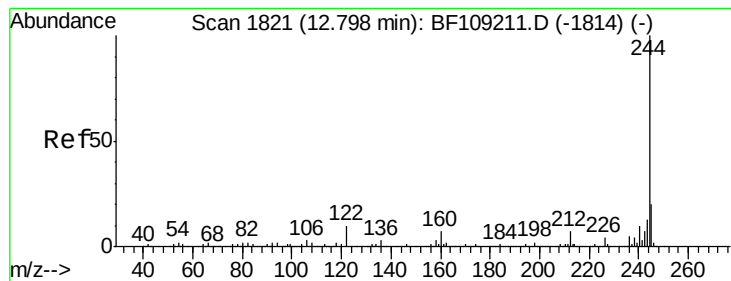
Tgt Ion:240 Resp: 274138  
Ion Ratio Lower Upper  
240 100  
120 10.0 9.5 14.3  
236 25.3 20.7 31.1



#77  
Pyrene  
Concen: 2.951 ng  
RT: 12.65 min Scan# 1796  
Delta R.T. -0.01 min  
Lab File: BF109274.D  
Acq: 24 Sep 2018 18:11

Tgt Ion:202 Resp: 57980  
Ion Ratio Lower Upper  
202 100  
200 21.9 17.4 26.2  
203 19.4 14.3 21.5





#78

Terphenyl-d14

Concen: 26.220 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.00 min

Lab File: BF109274.D

Acq: 24 Sep 2018 18:11

Instrument :

BNA\_F

ClientSampleId :

JC-02-092118-F

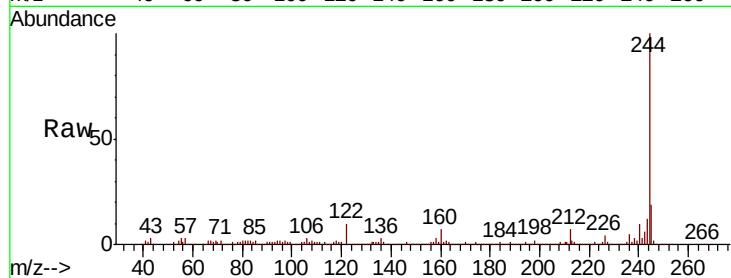
Tgt Ion:244 Resp: 292891

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

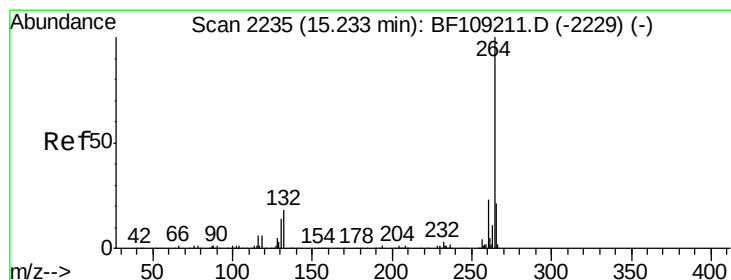
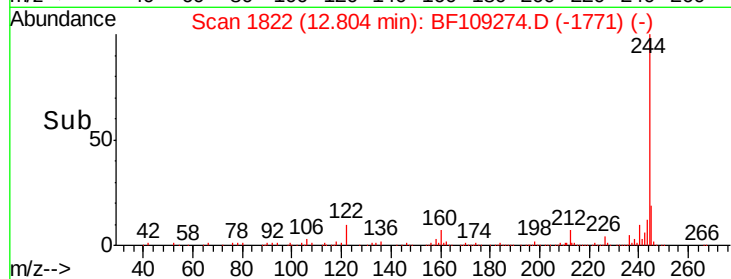
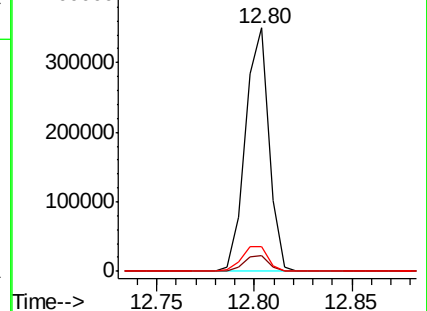
122 10.1 11.0 16.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF109274.D

Acq: 24 Sep 2018 18:11

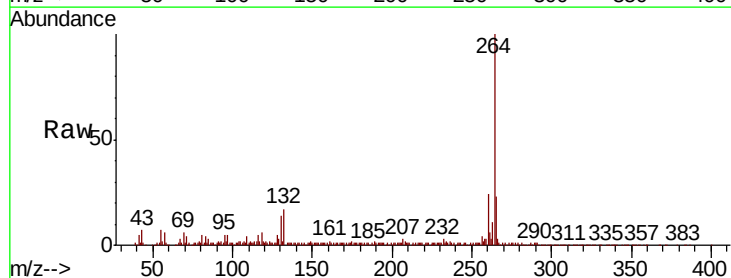
Tgt Ion:264 Resp: 180718

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

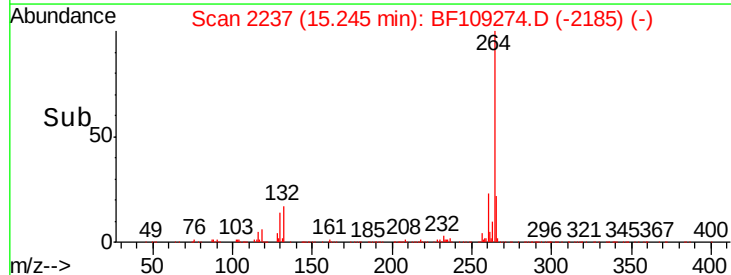
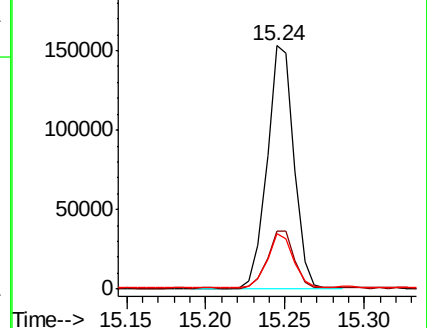
265 22.7 17.5 26.3

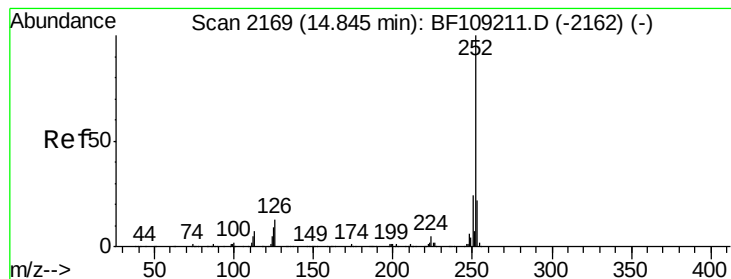


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.362 ng

RT: 14.85 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BF109274.D

Acq: 24 Sep 2018 18:11

Instrument :

BNA\_F

ClientSampleId :

JC-02-092118-F

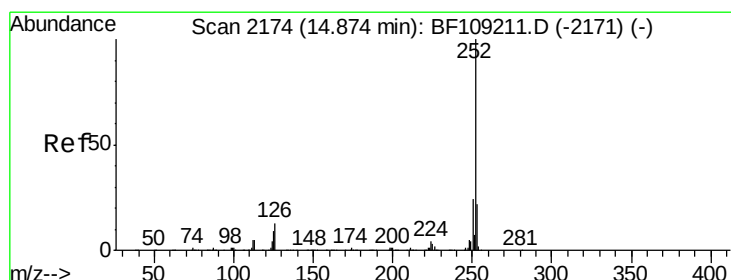
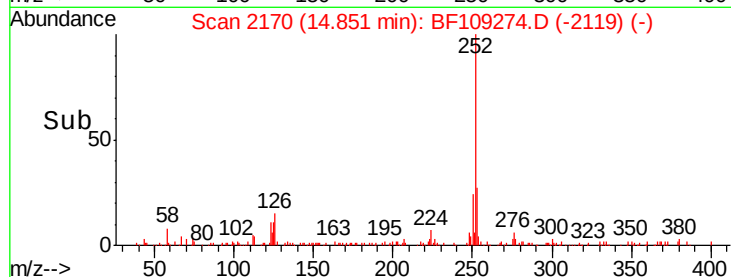
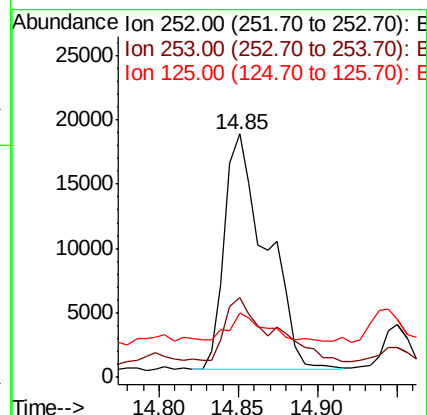
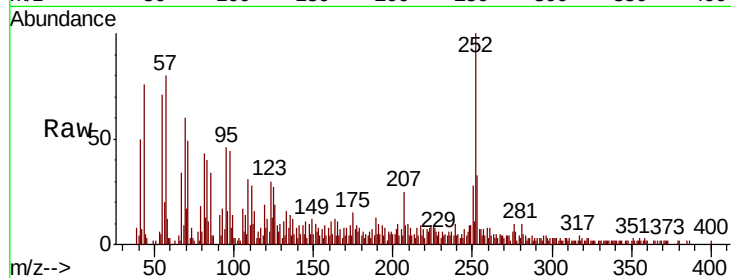
Tgt Ion:252 Resp: 33384

Ion Ratio Lower Upper

252 100

253 32.6 17.0 25.6#

125 26.5 9.0 13.6#



#88

Benzo(k)fluoranthene

Concen: 3.543 ng

RT: 14.85 min Scan# 2170

Delta R.T. -0.03 min

Lab File: BF109274.D

Acq: 24 Sep 2018 18:11

Tgt Ion:252 Resp: 33384

Ion Ratio Lower Upper

252 100

253 32.6 17.9 26.9#

125 26.5 10.2 15.2#

