

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121018\  
 Data File : BF111256.D  
 Acq On : 10 Dec 2018 21:41  
 Operator : JU/SJ  
 Sample : J6237-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SAMPLE-2

Quant Time: Dec 11 05:59:56 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 10 01:15:27 2018  
 Response via : Initial Calibration

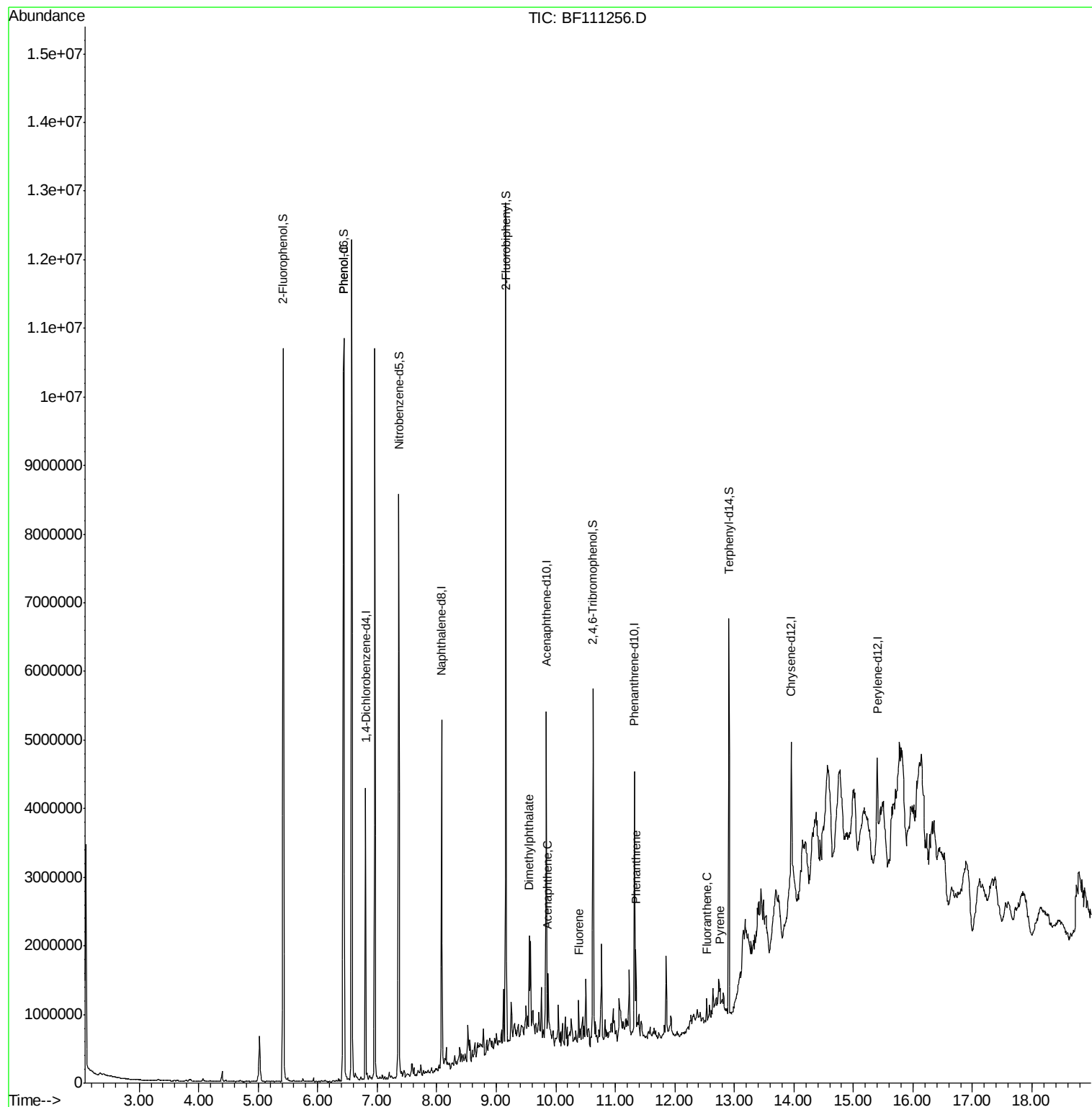
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 597786   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.09  | 136  | 2222901  | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.84  | 164  | 846920   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.32 | 188  | 1211730  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.96 | 240  | 634873   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 15.40 | 264  | 526779   | 20.00 | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.43  | 112  | 3516755  | 92.90 | ng    | 0.02     |
| 7) Phenol-d6                | 6.44  | 99   | 4420952  | 93.97 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 2830522  | 71.42 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.63 | 330  | 509374   | 67.90 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.16  | 172  | 3896184  | 77.99 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.91 | 244  | 1850372  | 69.91 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 6.45  | 94   | 304562   | 5.536 | ng    | 97       |
| 50) Dimethylphthalate       | 9.55  | 163  | 356659   | 5.707 | ng    | # 96     |
| 52) Acenaphthene            | 9.87  | 154  | 193563   | 3.834 | ng    | 99       |
| 58) Fluorene                | 10.39 | 166  | 135343   | 2.546 | ng    | 98       |
| 71) Phenanthrene            | 11.35 | 178  | 373255   | 6.107 | ng    | 95       |
| 75) Fluoranthene            | 12.53 | 202  | 127482   | 2.283 | ng    | 98       |
| 78) Pyrene                  | 12.76 | 202  | 103238   | 2.276 | ng    | 94       |

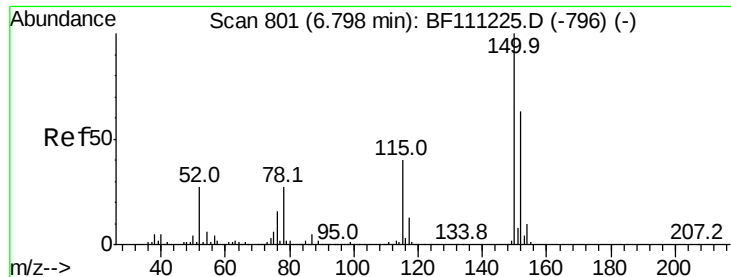
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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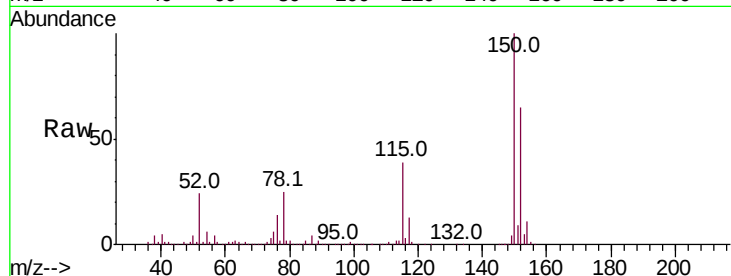


#1

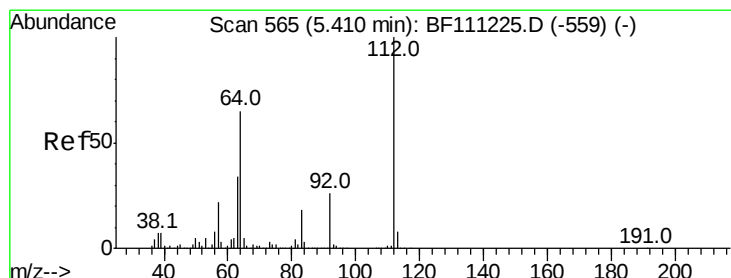
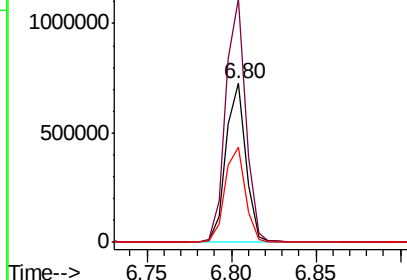
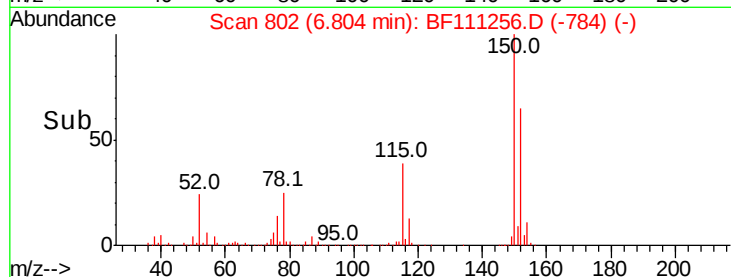
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 802  
Delta R.T. 0.01 min  
Lab File: BF111256.D  
Acq: 10 Dec 2018 21:41

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-2

Tot Ion:152 Resp: 597786  
Ion Ratio Lower Upper  
152 100  
150 153.4 126.6 189.8  
115 59.7 50.7 76.1



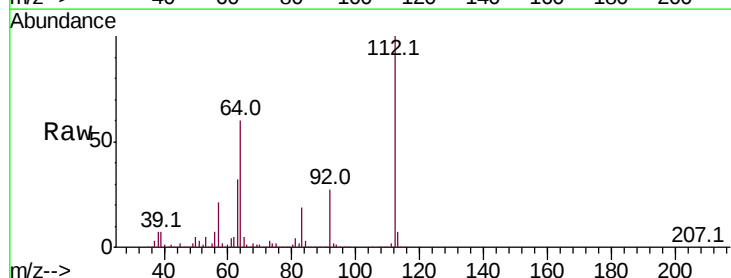
Abundance Ion 152.00 (151.70 to 152.70): E  
1500000 Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



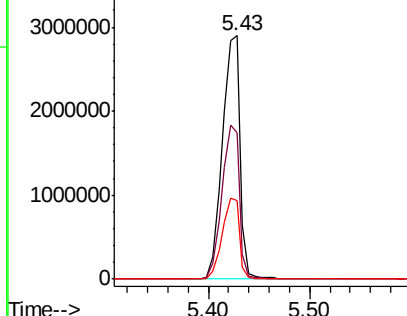
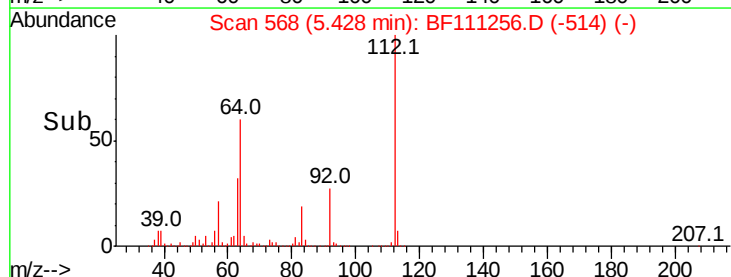
#5

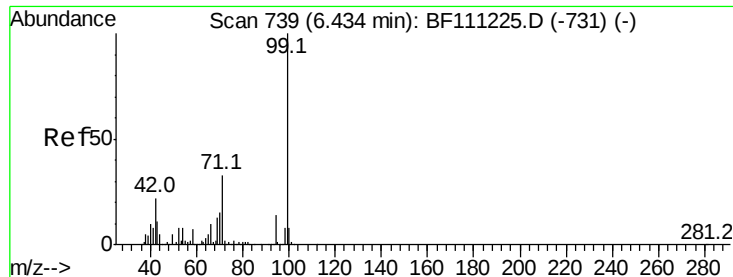
2-Fluorophenol  
Concen: 92.896 ng  
RT: 5.43 min Scan# 568  
Delta R.T. 0.02 min  
Lab File: BF111256.D  
Acq: 10 Dec 2018 21:41

Tgt Ion:112 Resp: 3516755  
Ion Ratio Lower Upper  
112 100  
64 60.1 51.8 77.6  
63 32.1 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): E  
4000000 Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 93.970 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF111256.D

Acq: 10 Dec 2018 21:41

Instrument :

BNA\_F

ClientSampleId :

SAMPLE-2

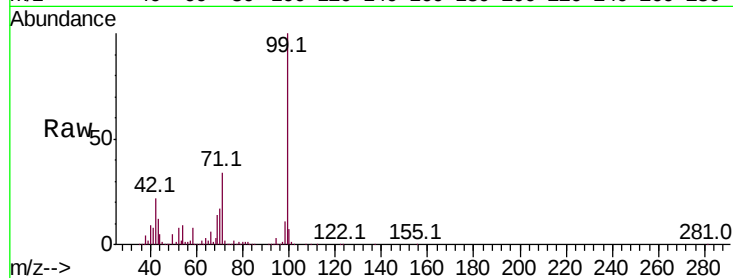
Tot Ion: 99 Resp: 4420952

Ion Ratio Lower Upper

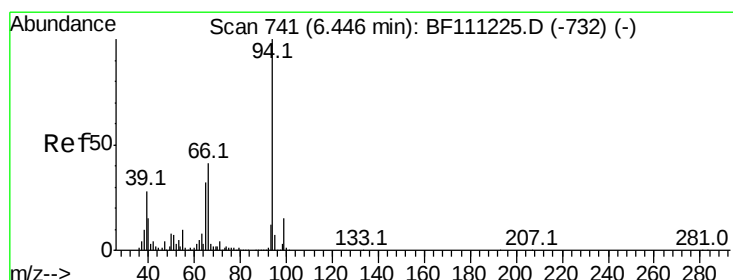
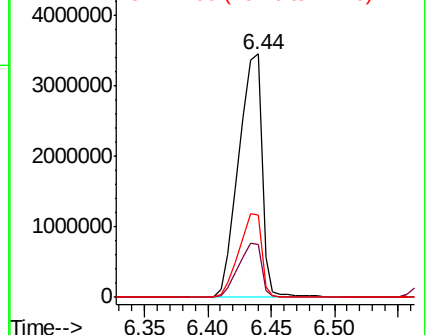
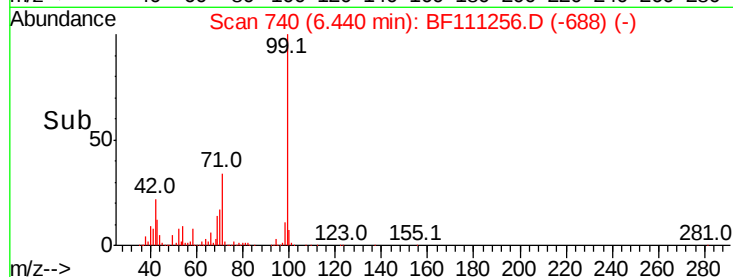
99 100

42 22.0 17.4 26.0

71 33.8 26.1 39.1



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



#10

Phenol

Concen: 5.536 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF111256.D

Acq: 10 Dec 2018 21:41

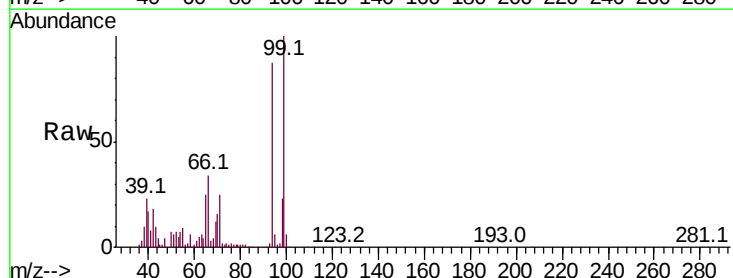
Tgt Ion: 94 Resp: 304562

Ion Ratio Lower Upper

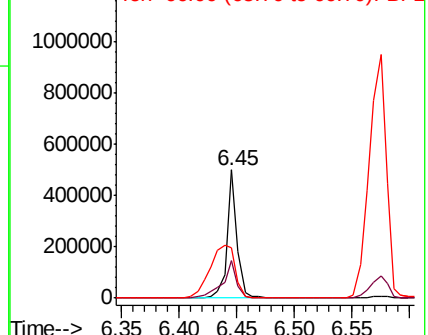
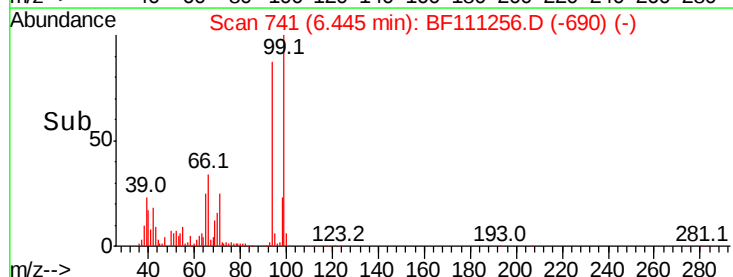
94 100

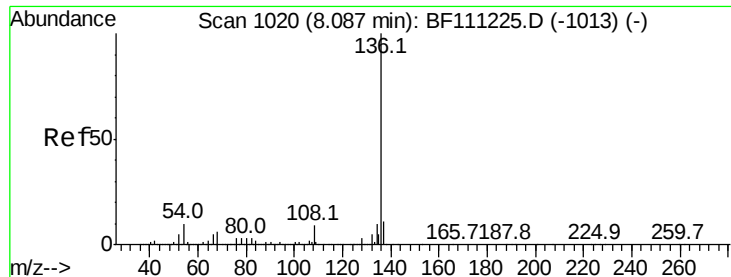
65 29.1 11.7 51.7

66 39.8 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF111256.D

Acq: 10 Dec 2018 21:41

Instrument :

BNA\_F

ClientSampleId :

SAMPLE-2

Tot Ion:136 Resp: 2222901

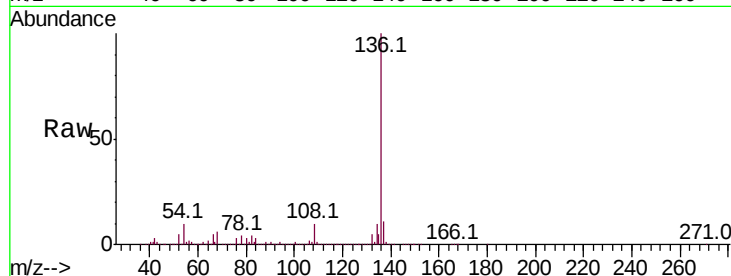
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 9.7 7.7 11.5

68 6.2 4.9 7.3

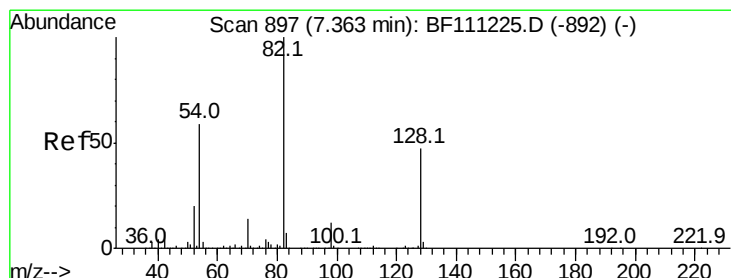
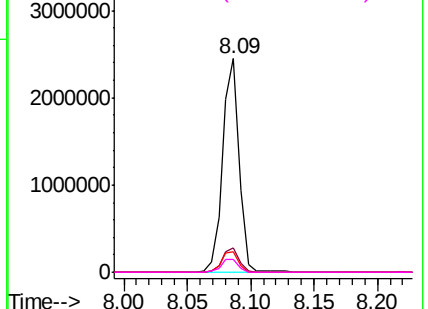
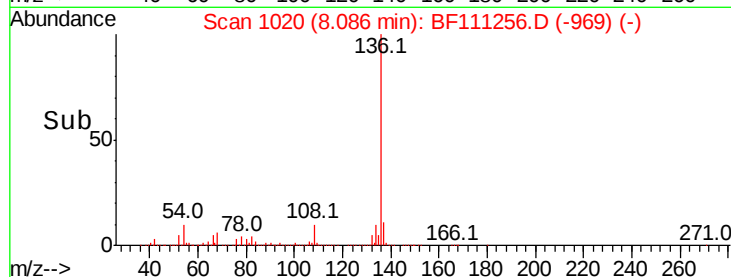


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.420 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.00 min

Lab File: BF111256.D

Acq: 10 Dec 2018 21:41

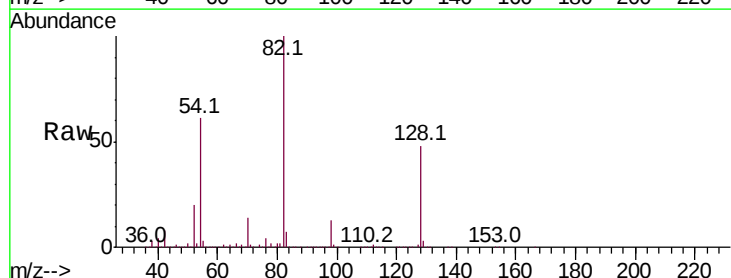
Tgt Ion: 82 Resp: 2830522

Ion Ratio Lower Upper

82 100

128 48.3 37.4 56.2

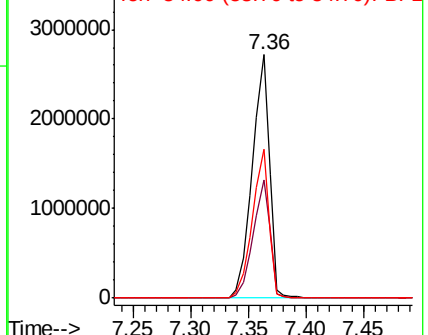
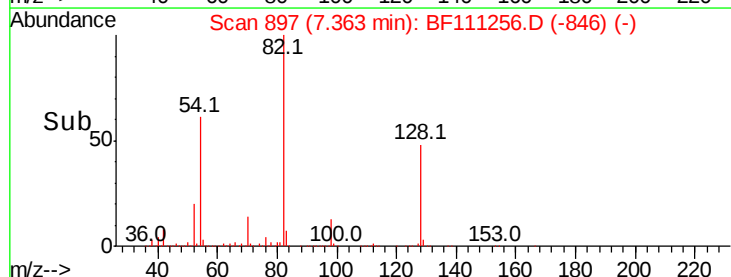
54 61.0 47.6 71.4

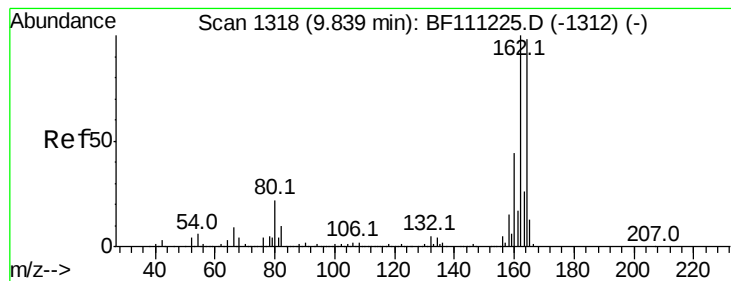


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.00 min

Lab File: BF111256.D

Acq: 10 Dec 2018 21:41

Instrument :

BNA\_F

ClientSampleId :

SAMPLE-2

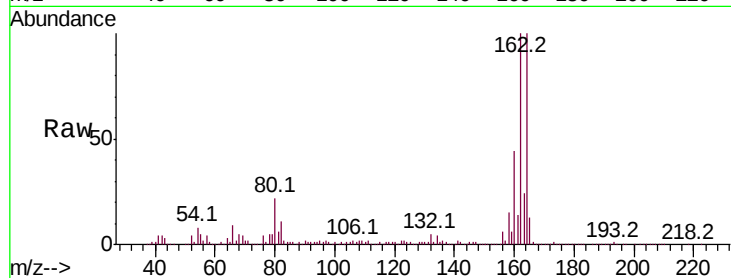
Tot Ion:164 Resp: 846920

Ion Ratio Lower Upper

164 100

162 100.4 81.4 122.0

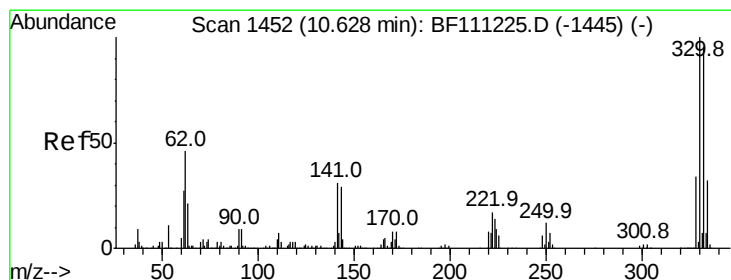
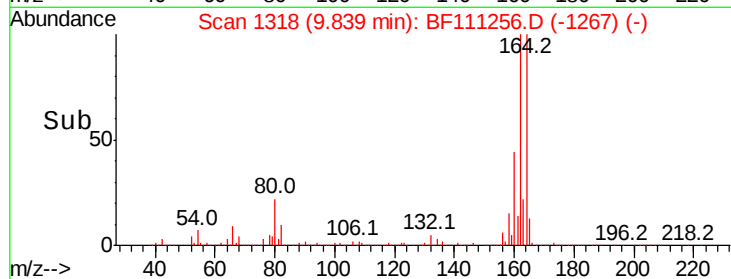
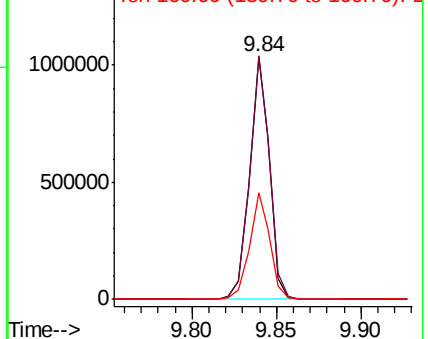
160 43.8 35.7 53.5



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: 67.897 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.00 min

Lab File: BF111256.D

Acq: 10 Dec 2018 21:41

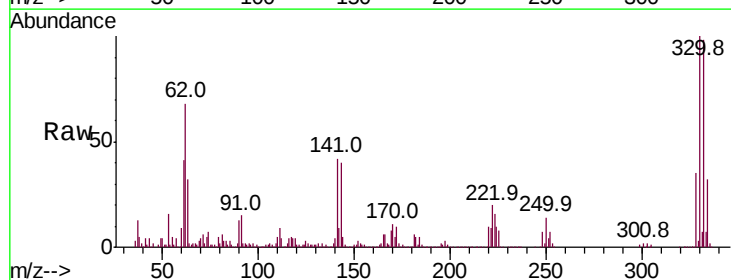
Tgt Ion:330 Resp: 509374

Ion Ratio Lower Upper

330 100

332 96.7 76.0 114.0

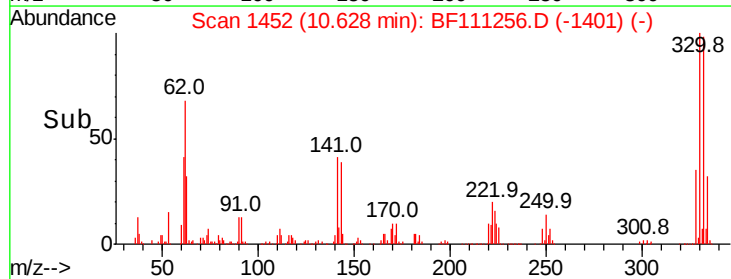
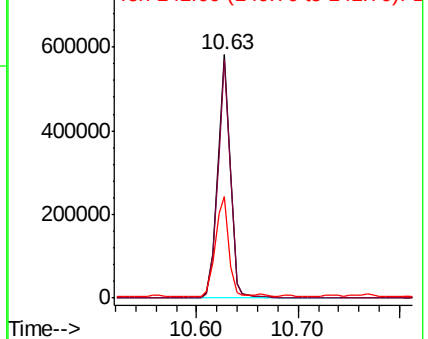
141 43.8 31.0 46.6

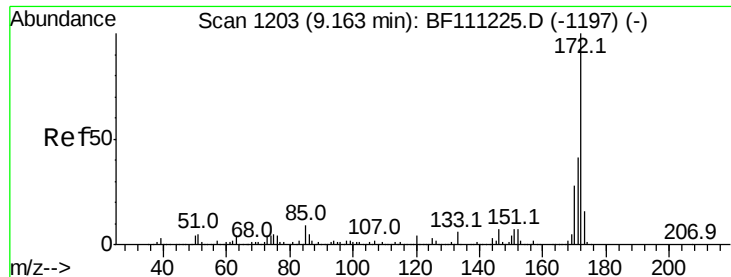


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

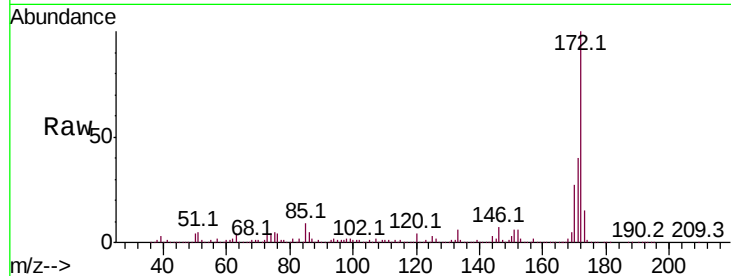




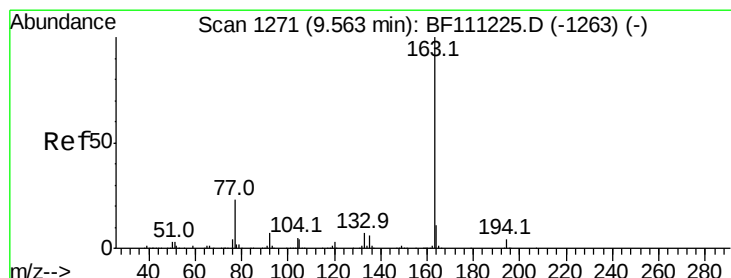
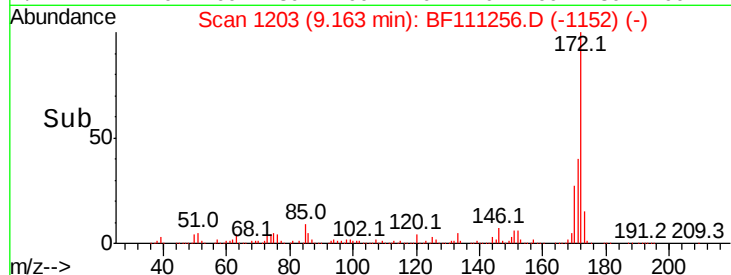
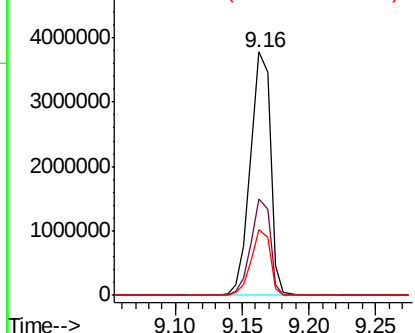
#45  
2-Fluorobiphenyl  
Concen: 77.985 ng  
RT: 9.16 min Scan# 1203  
Delta R.T. 0.00 min  
Lab File: BF111256.D  
Acq: 10 Dec 2018 21:41

Instrument :  
BNA\_F  
ClientSampleId :  
SAMPLE-2

Tot Ion:172 Resp: 3896184  
Ion Ratio Lower Upper  
172 100  
171 39.5 33.0 49.4  
170 26.8 22.3 33.5

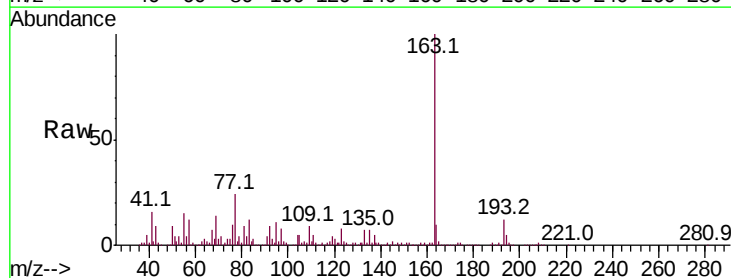


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

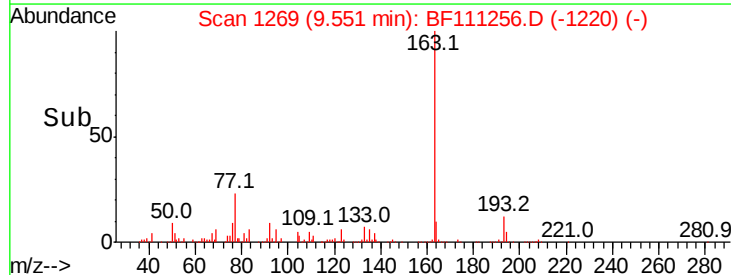
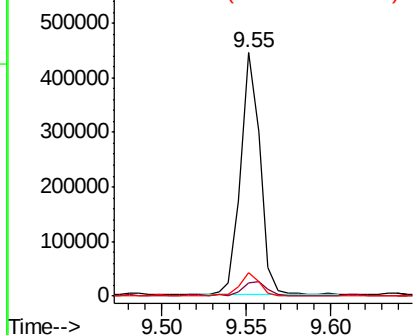


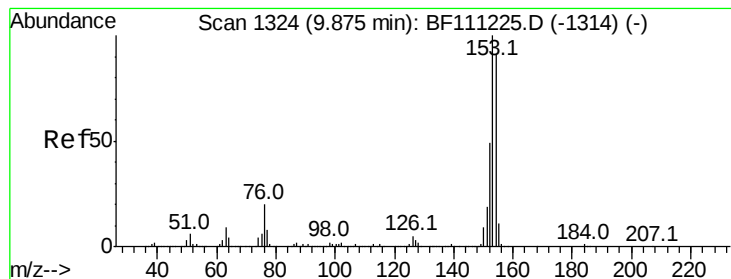
#50  
Dimethylphthalate  
Concen: 5.707 ng  
RT: 9.55 min Scan# 1269  
Delta R.T. -0.01 min  
Lab File: BF111256.D  
Acq: 10 Dec 2018 21:41

Tgt Ion:163 Resp: 356659  
Ion Ratio Lower Upper  
163 100  
194 5.2 3.0 4.6#  
164 9.7 8.9 13.3



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





#52

Acenaphthene

Concen: 3.834 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF111256.D

Acq: 10 Dec 2018 21:41

Instrument :

BNA\_F

ClientSampleId :

SAMPLE-2

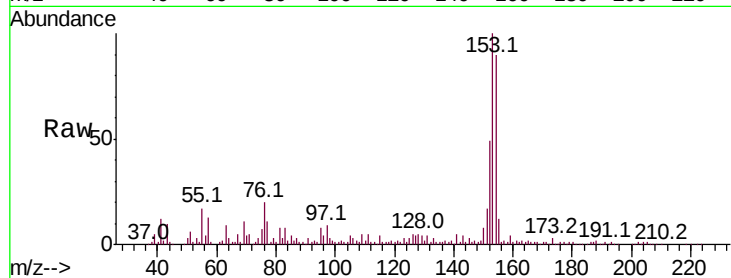
Tot Ion:154 Resp: 193563

Ion Ratio Lower Upper

154 100

153 110.7 87.8 131.8

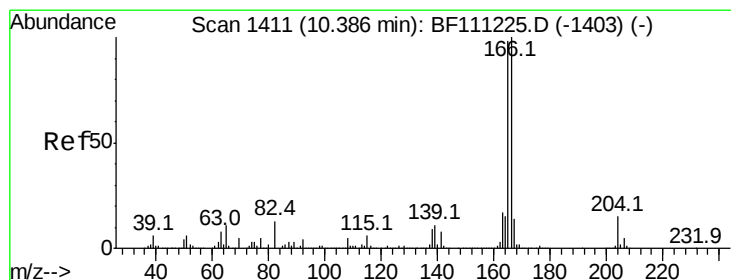
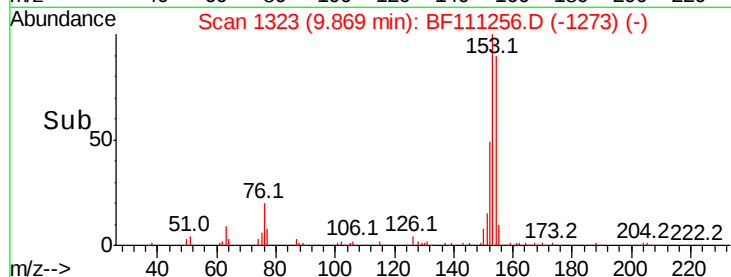
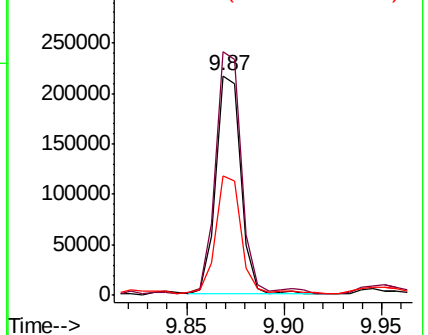
152 54.5 43.4 65.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 2.546 ng

RT: 10.39 min Scan# 1411

Delta R.T. 0.00 min

Lab File: BF111256.D

Acq: 10 Dec 2018 21:41

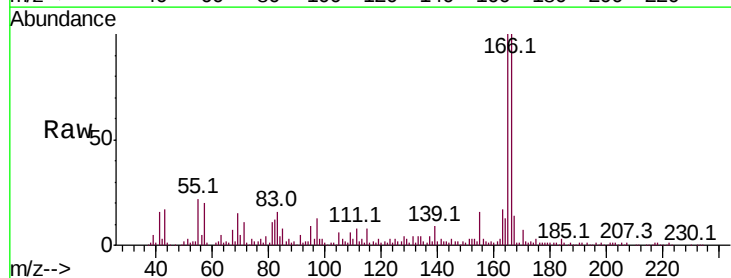
Tgt Ion:166 Resp: 135343

Ion Ratio Lower Upper

166 100

165 100.3 78.4 117.6

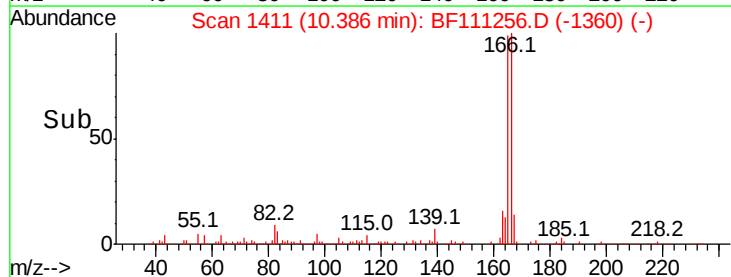
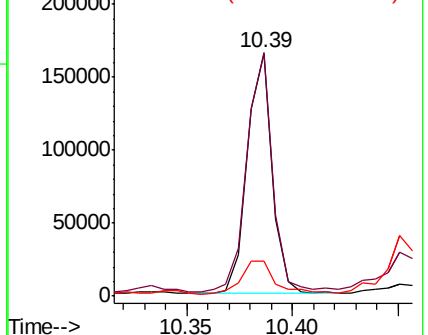
167 14.5 11.2 16.8

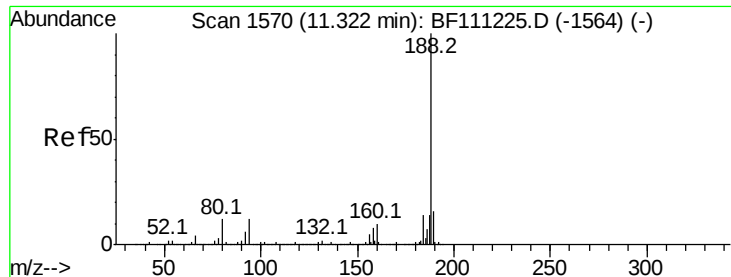


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BF111256.D

Acq: 10 Dec 2018 21:41

Instrument :

BNA\_F

ClientSampleId :

SAMPLE-2

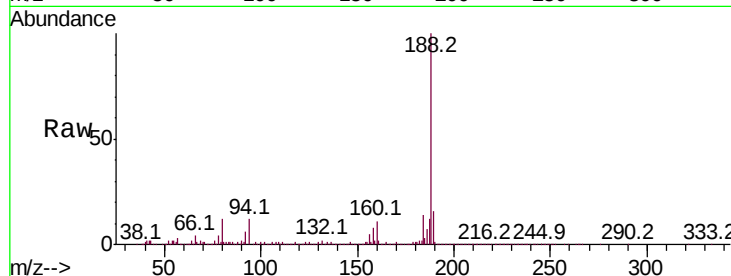
Tot Ion:188 Resp: 1211730

Ion Ratio Lower Upper

188 100

94 11.6 9.6 14.4

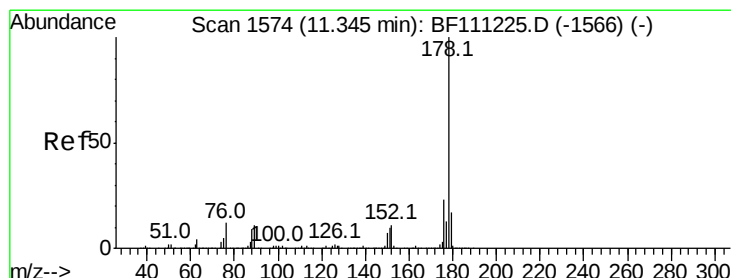
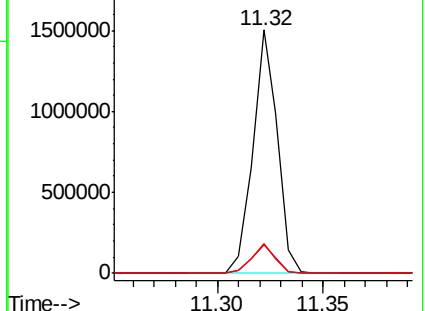
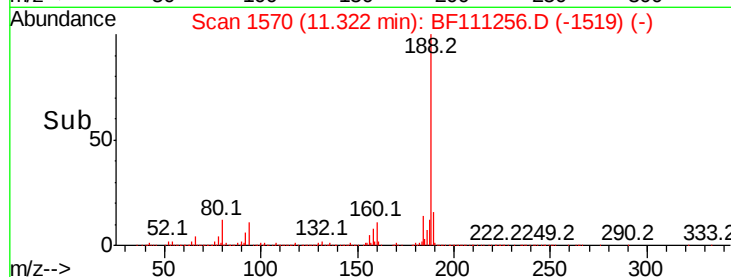
80 12.0 9.8 14.6



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



#71

Phenanthrene

Concen: 6.107 ng

RT: 11.35 min Scan# 1574

Delta R.T. 0.00 min

Lab File: BF111256.D

Acq: 10 Dec 2018 21:41

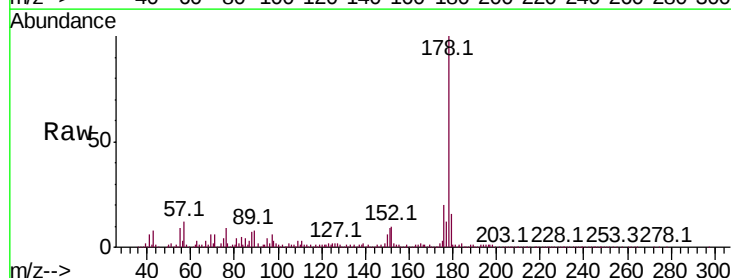
Tgt Ion:178 Resp: 373255

Ion Ratio Lower Upper

178 100

176 19.6 18.1 27.1

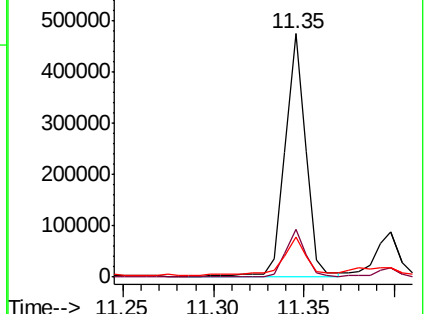
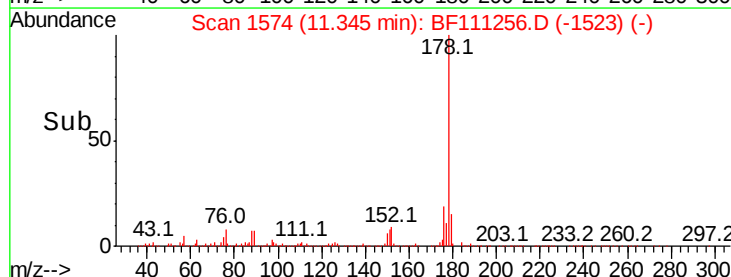
179 16.5 14.0 21.0

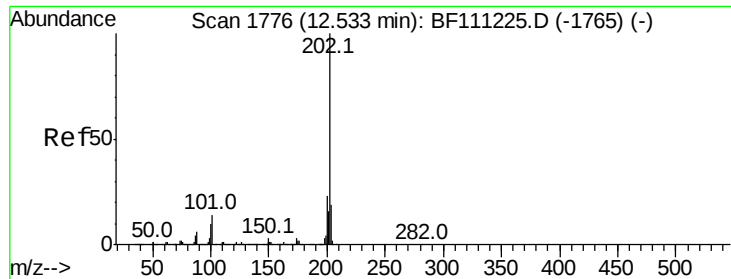


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 2.283 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.00 min

Lab File: BF111256.D

Acq: 10 Dec 2018 21:41

Instrument :

BNA\_F

ClientSampleId :

SAMPLE-2

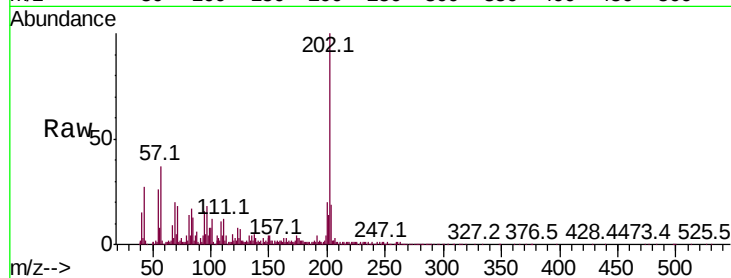
Tot Ion:202 Resp: 127482

Ion Ratio Lower Upper

202 100

101 11.7 0.0 33.8

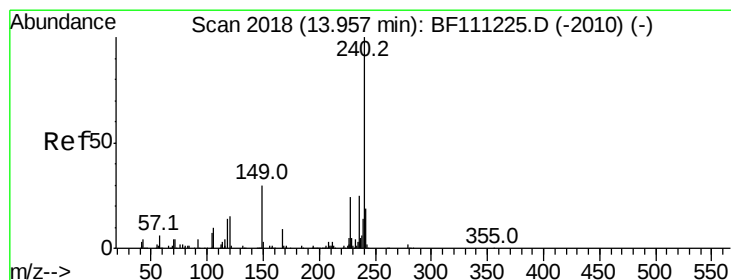
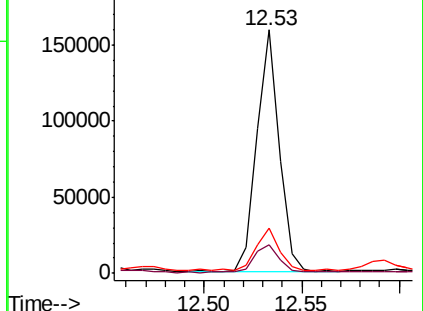
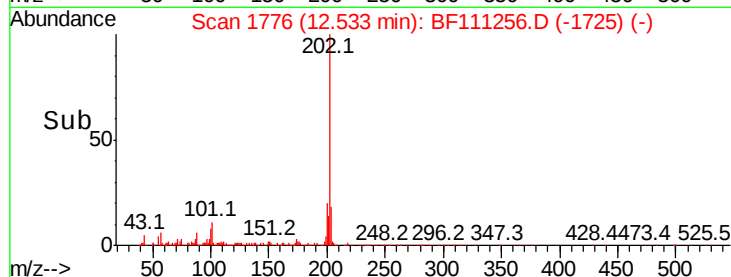
203 18.6 0.0 38.6



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BF111256.D

Acq: 10 Dec 2018 21:41

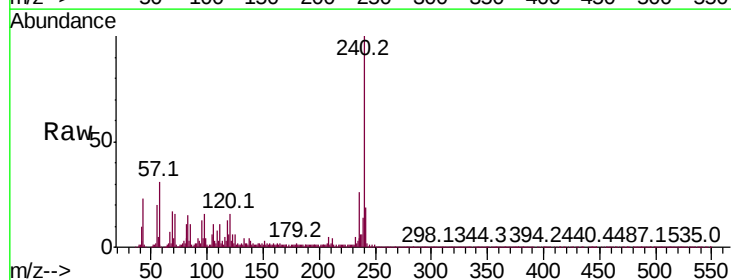
Tgt Ion:240 Resp: 634873

Ion Ratio Lower Upper

240 100

120 16.1 12.2 18.2

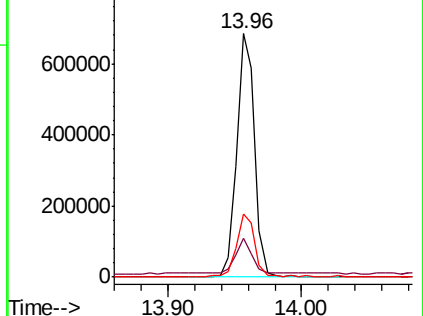
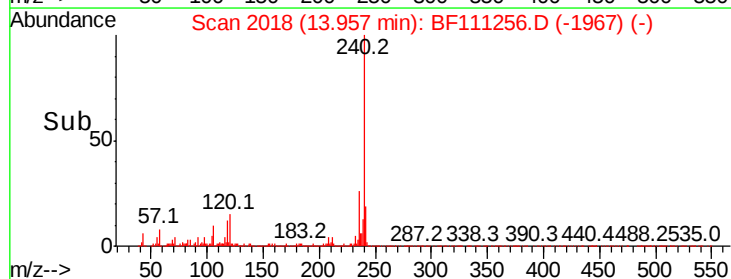
236 25.9 20.2 30.2

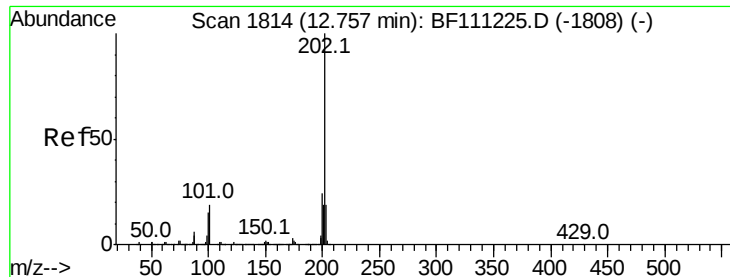


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.276 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BF111256.D

Acq: 10 Dec 2018 21:41

Instrument :

BNA\_F

ClientSampleId :

SAMPLE-2

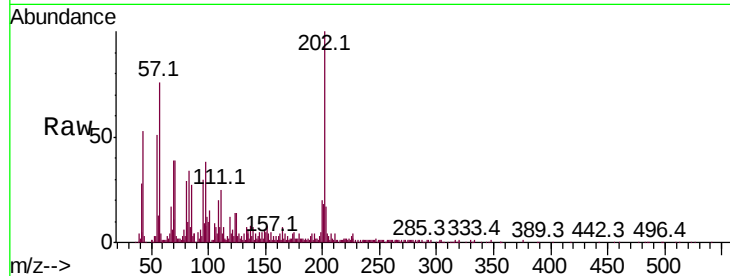
Tot Ion:202 Resp: 103238

Ion Ratio Lower Upper

202 100

200 20.4 19.0 28.4

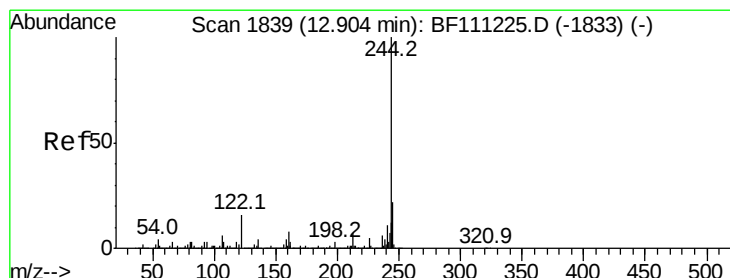
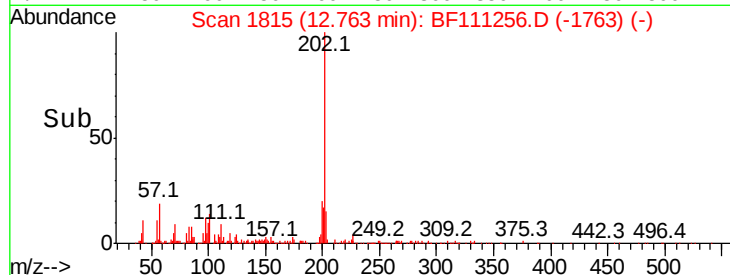
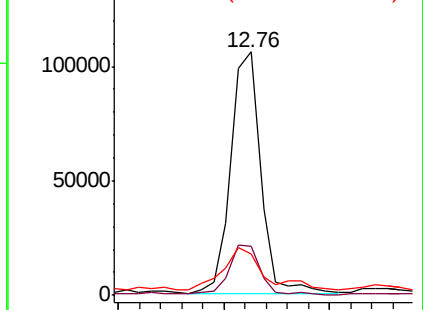
203 16.8 15.2 22.8



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



#79

Terphenyl-d14

Concen: 69.910 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF111256.D

Acq: 10 Dec 2018 21:41

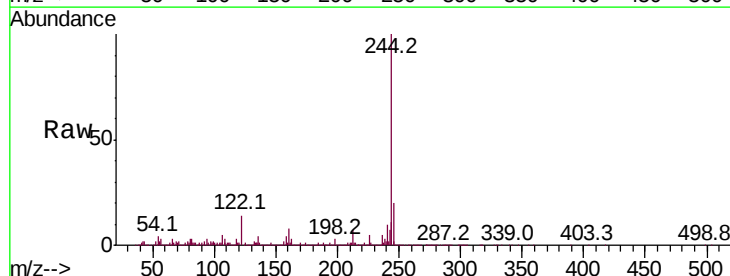
Tgt Ion:244 Resp: 1850372

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

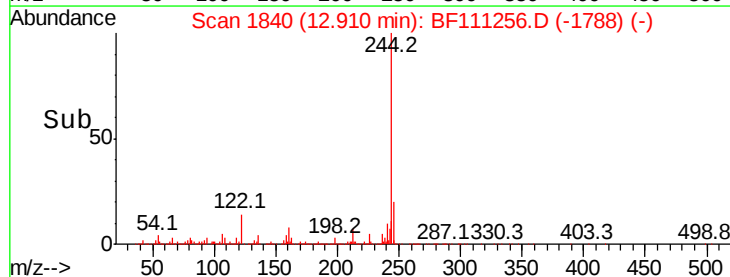
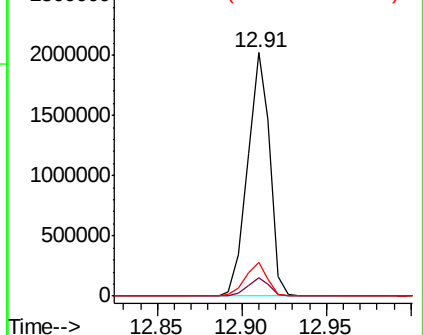
122 13.9 13.1 19.7

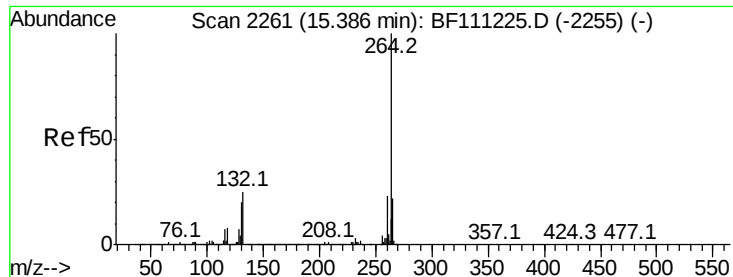


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

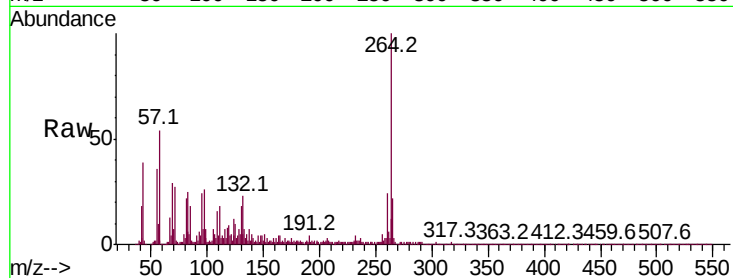




#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.40 min Scan# 2263  
 Delta R.T. 0.01 min  
 Lab File: BF111256.D  
 Acq: 10 Dec 2018 21:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SAMPLE-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 18.3  | 27.5  |
| 265     | 21.9  | 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

