

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062918\  
 Data File : BF106986.D  
 Acq On : 29 Jun 2018 21:07  
 Operator : JU/SJ  
 Sample : J3732-02  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-106-8(14-16)

Quant Time: Jun 30 00:26:49 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 29 14:38:29 2018  
 Response via : Initial Calibration

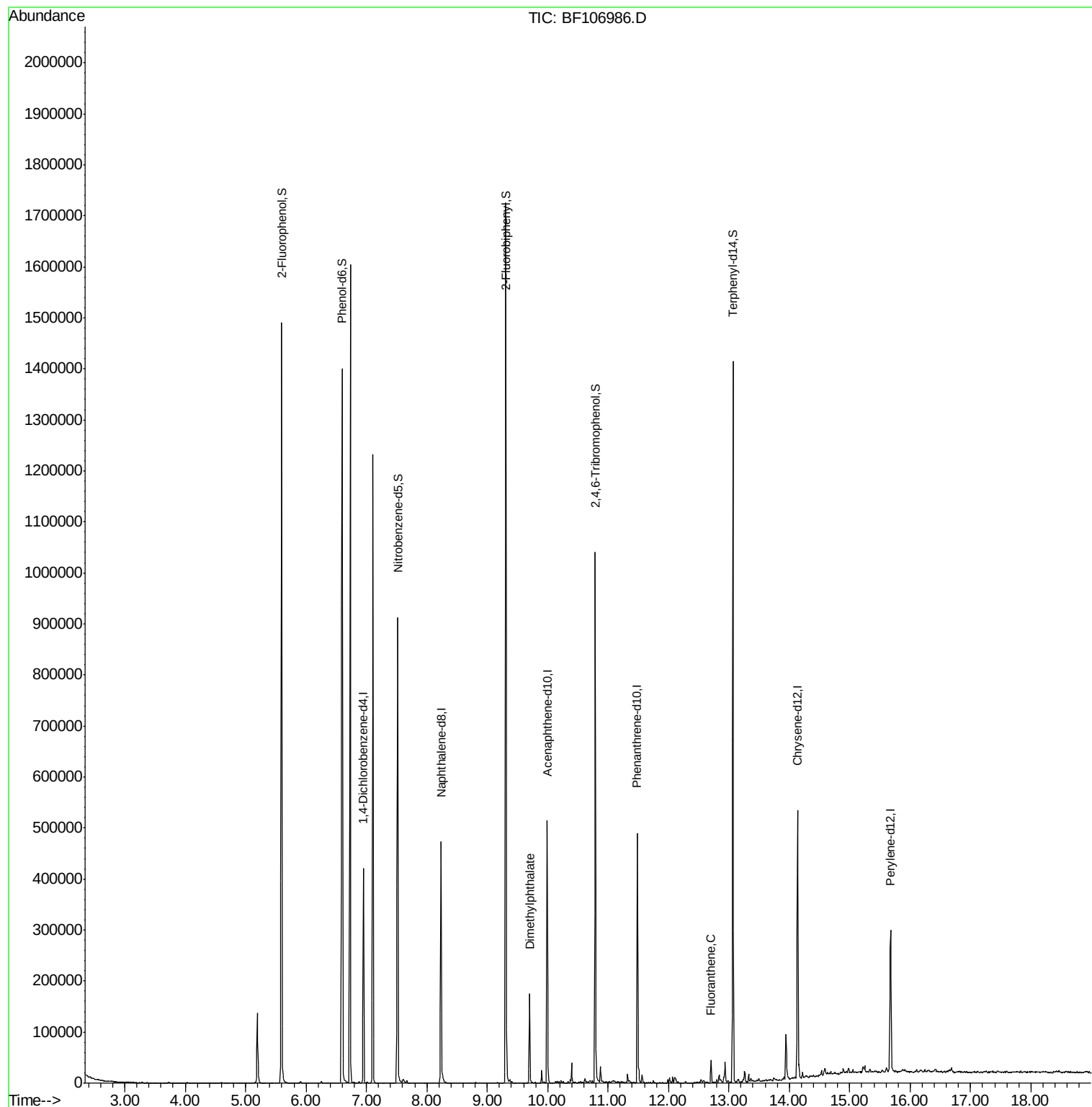
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.95  | 152  | 65875    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.24  | 136  | 246426   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 10.00 | 164  | 113034   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.48 | 188  | 195323   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 14.14 | 240  | 185165   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 15.68 | 264  | 147971   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 424626   | 109.15 | ng    | 0.00     |
| 7) Phenol-d6                | 6.60  | 99   | 532009   | 109.51 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 311437   | 70.23  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.79 | 330  | 153526   | 117.19 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.31  | 172  | 537390   | 79.52  | ng    | -0.02    |
| 78) Terphenyl-d14           | 13.07 | 244  | 545234   | 71.33  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       |          |
| 49) Dimethylphthalate       | 9.70  | 163  | 75461    | 8.901  | ng    | 99       |
| 74) Fluoranthene            | 12.71 | 202  | 20890    | 2.012  | ng    | 97       |

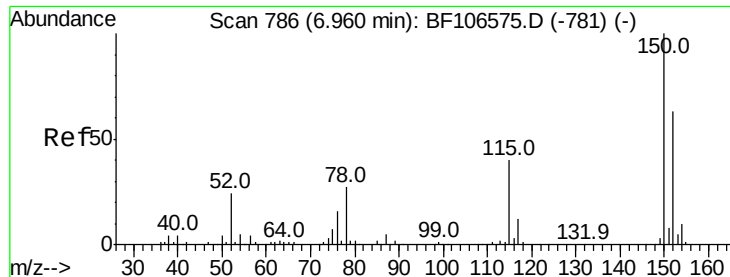
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : J3732-02  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

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ClientSampleId :  
EPE-106-8(14-16)

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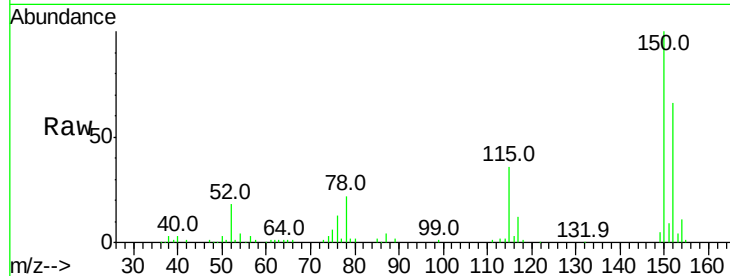


#1

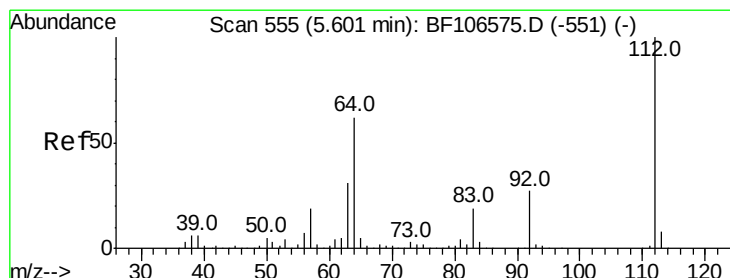
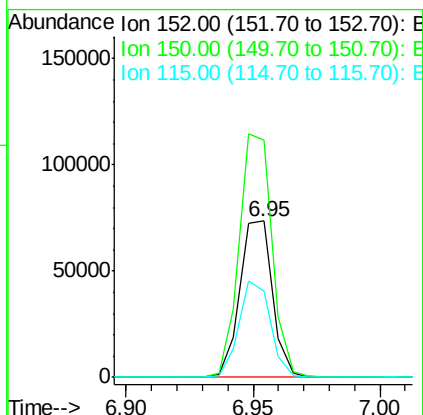
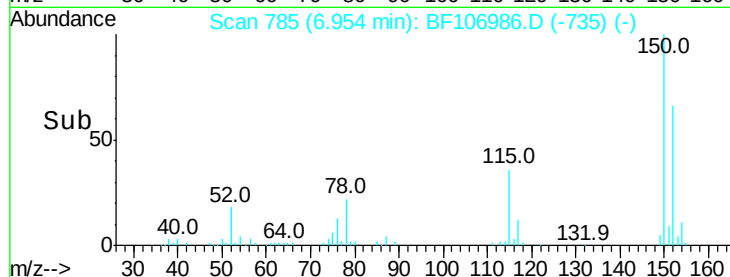
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.95 min Scan# 785  
 Delta R.T. -0.01 min  
 Lab File: BF106986.D  
 Acq: 29 Jun 2018 21:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-106-8(14-16)

Tot Ion:152 Resp: 65875  
 Ion Ratio Lower Upper  
 152 100  
 150 152.0 124.6 186.8  
 115 55.1 50.1 75.1



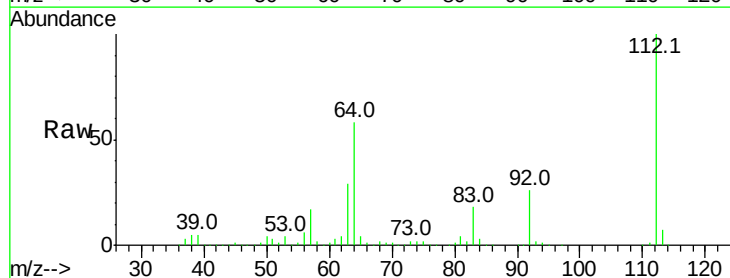
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



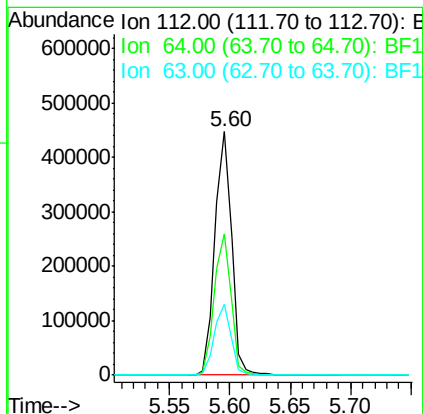
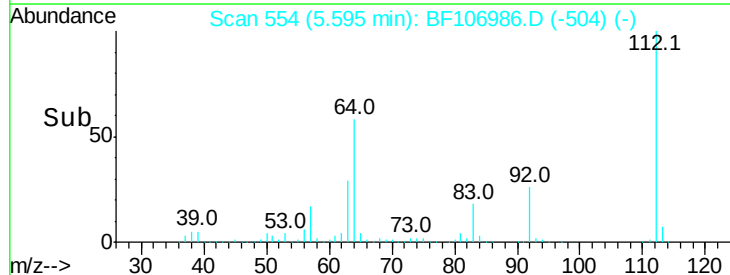
#5

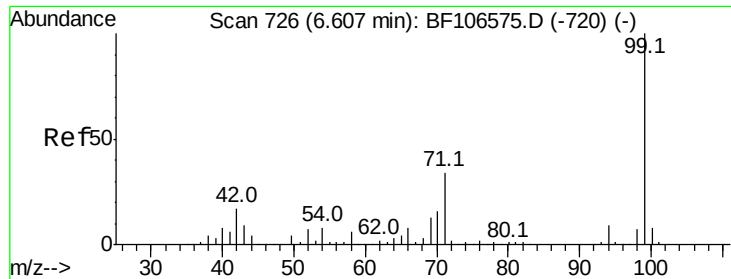
2-Fluorophenol  
 Concen: 109.150 ng  
 RT: 5.60 min Scan# 554  
 Delta R.T. -0.01 min  
 Lab File: BF106986.D  
 Acq: 29 Jun 2018 21:07

Tgt Ion:112 Resp: 424626  
 Ion Ratio Lower Upper  
 112 100  
 64 58.0 47.9 71.9  
 63 29.0 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: 109.507 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF106986.D

Acq: 29 Jun 2018 21:07

Instrument :

BNA\_F

ClientSampleId :

EPE-106-8(14-16)

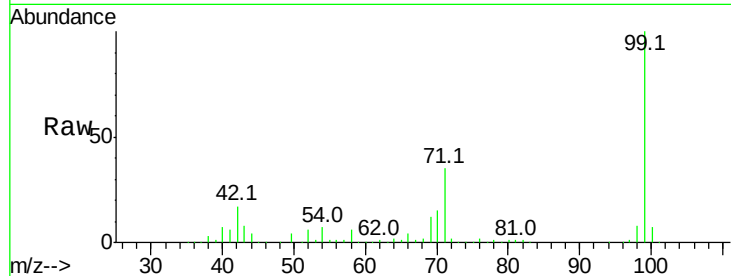
Tot Ion: 99 Resp: 532009

Ion Ratio Lower Upper

99 100

42 17.0 14.5 21.7

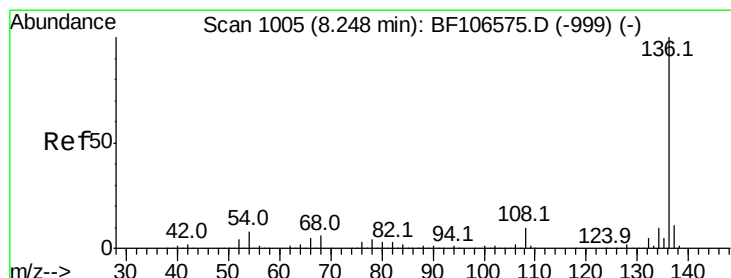
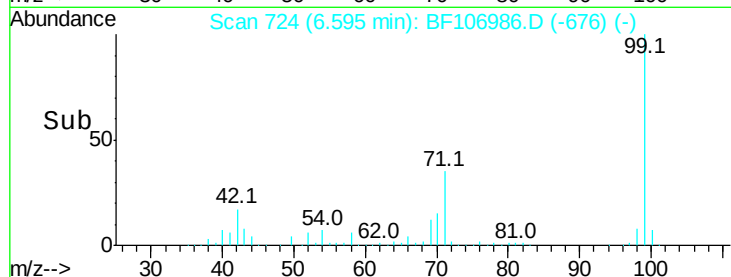
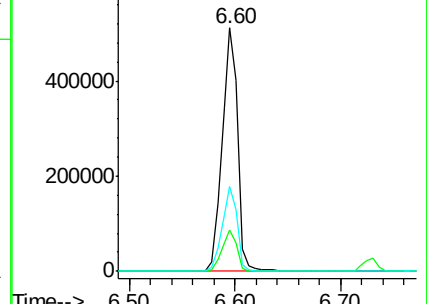
71 34.9 25.4 38.0



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: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF106986.D

Acq: 29 Jun 2018 21:07

Tgt Ion: 136 Resp: 246426

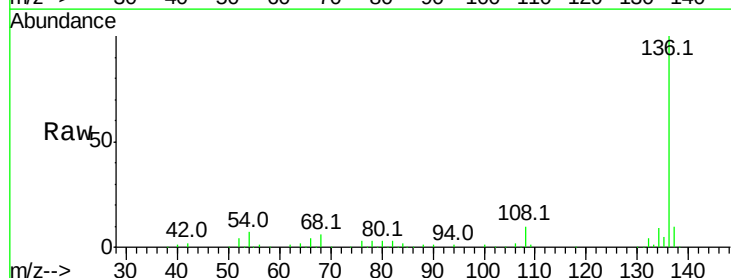
Ion Ratio Lower Upper

136 100

137 10.3 8.9 13.3

54 7.4 6.6 9.8

68 5.6 5.0 7.4

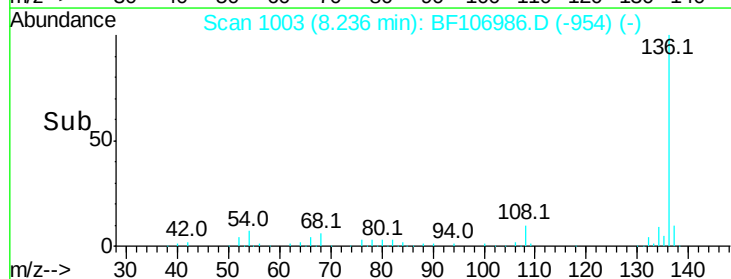
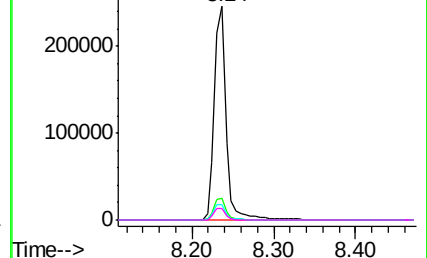


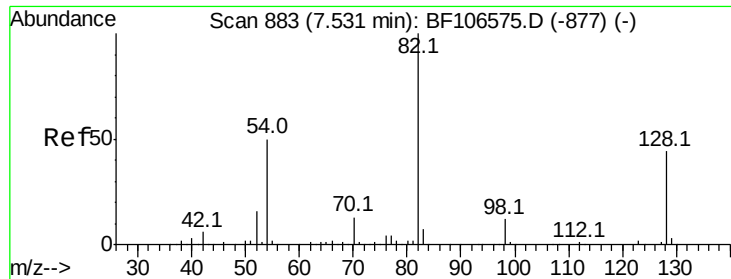
Abundance Ion 136.00 (135.70 to 136.70): E

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

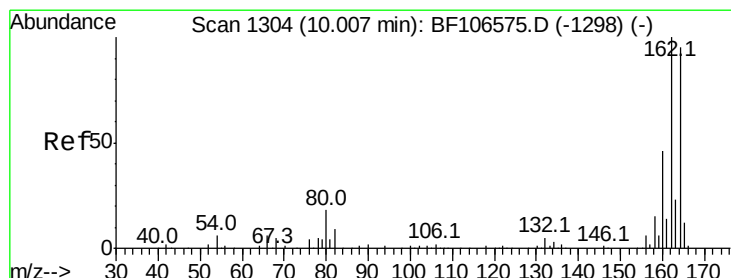
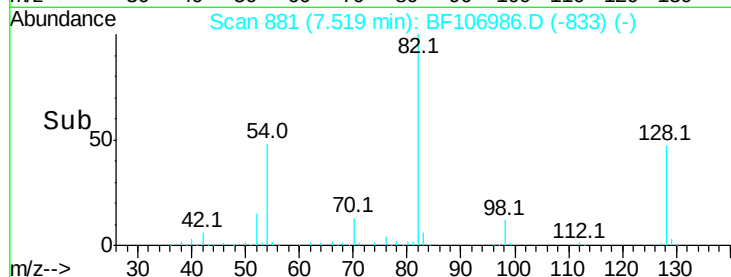
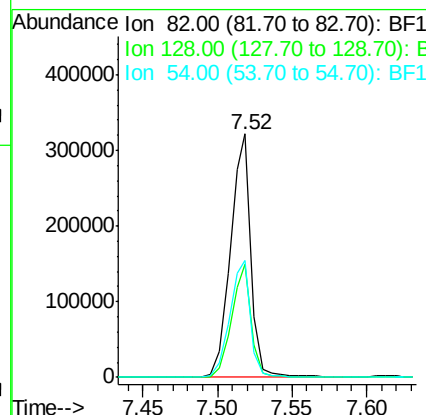
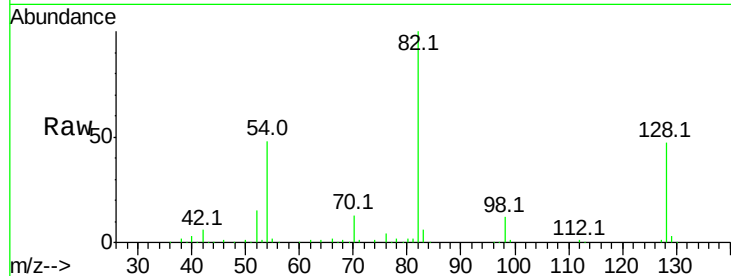




#23  
 Nitrobenzene-d5  
 Concen: 70.235 ng  
 RT: 7.52 min Scan# 881  
 Delta R.T. -0.02 min  
 Lab File: BF106986.D  
 Acq: 29 Jun 2018 21:07

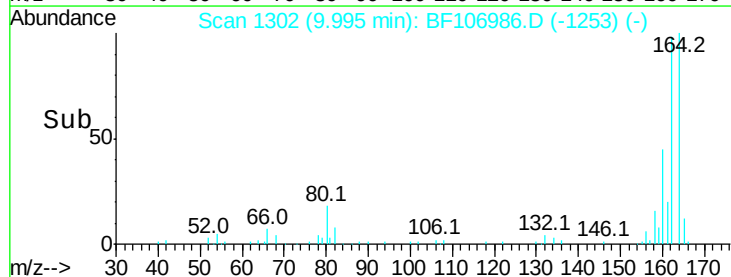
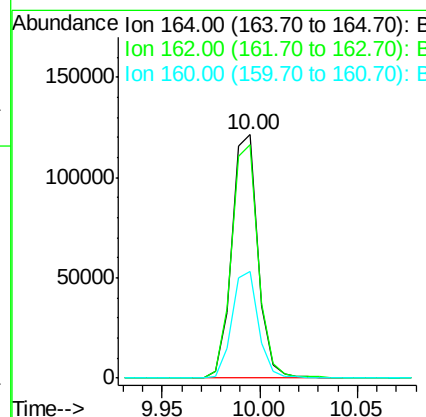
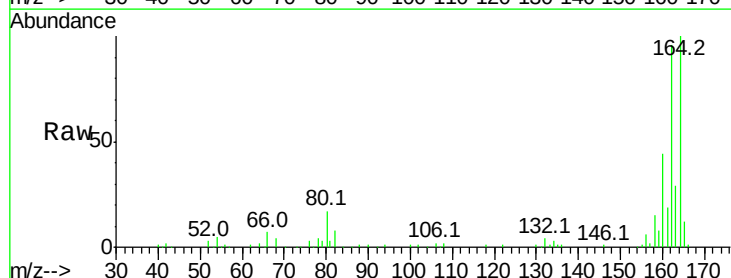
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-106-8(14-16)

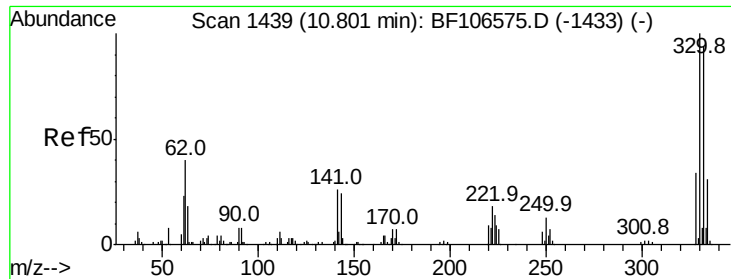
| Tot Ion   | 82    | Resp  | 311437 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 46.6  | 36.1  | 54.1   |
| 54        | 47.9  | 41.4  | 62.2   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.00 min Scan# 1302  
 Delta R.T. -0.01 min  
 Lab File: BF106986.D  
 Acq: 29 Jun 2018 21:07

| Tgt Ion   | 164   | Resp  | 113034 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 95.7  | 86.1  | 129.1  |
| 160       | 44.0  | 38.3  | 57.5   |

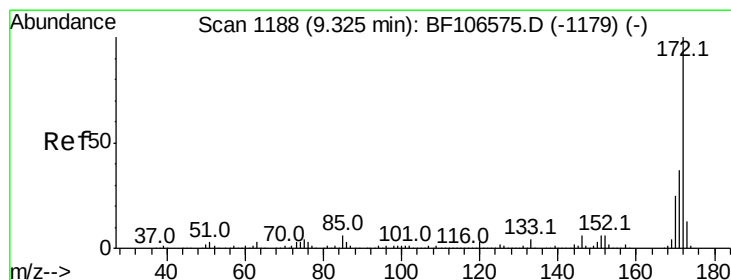
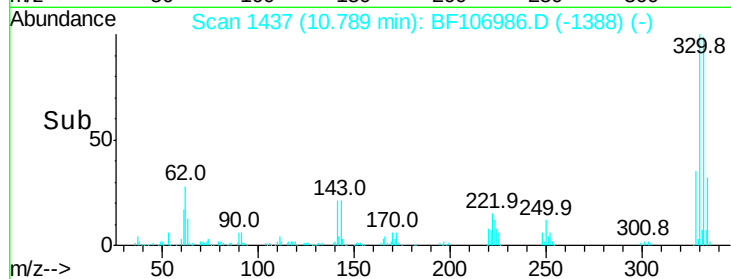
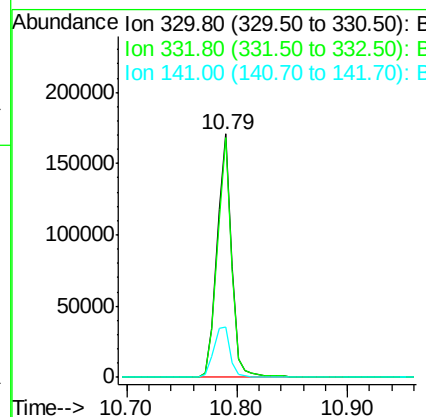
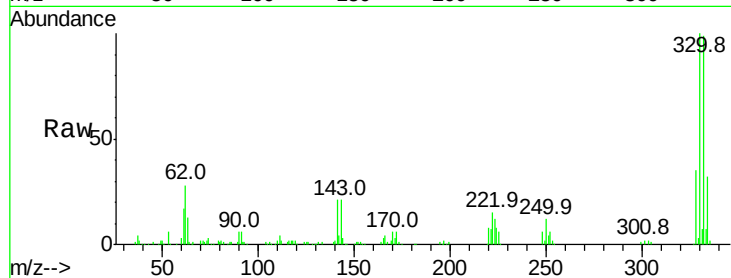




#41  
 2,4,6-Tribromophenol  
 Concen: 117.187 ng  
 RT: 10.79 min Scan# 1437  
 Delta R.T. -0.01 min  
 Lab File: BF106986.D  
 Acq: 29 Jun 2018 21:07

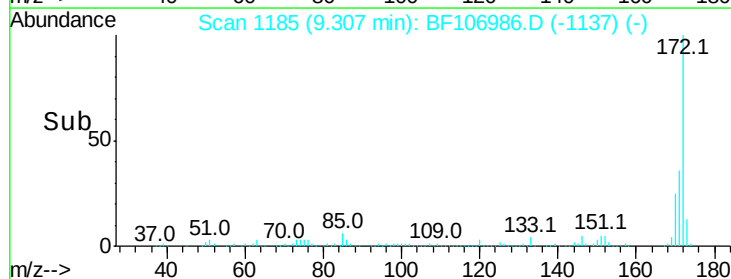
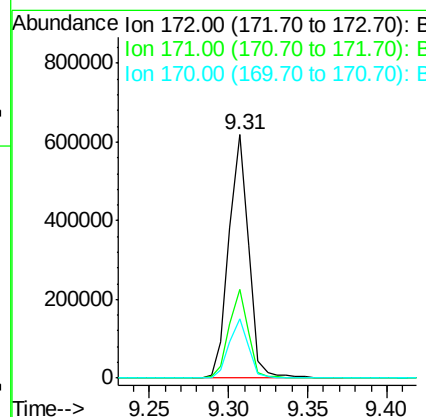
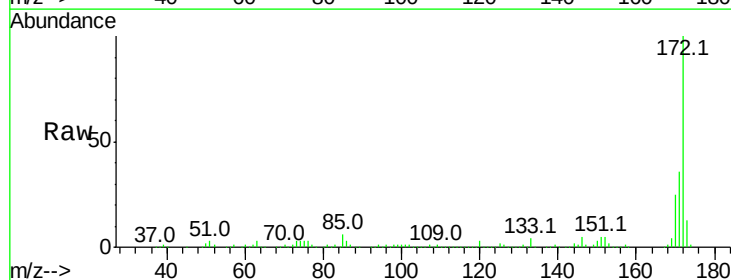
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-106-8(14-16)

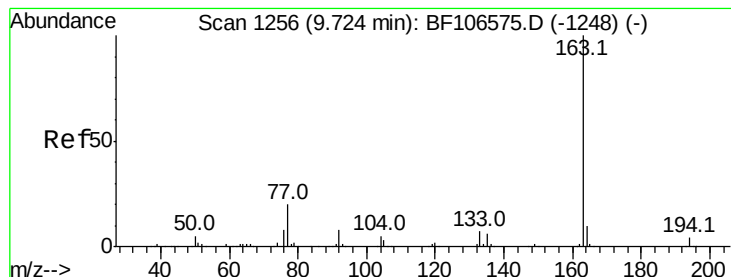
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 77.0  | 115.6 |
| 141     | 23.3  | 29.9  | 44.9  |



#44  
 2-Fluorobiphenyl  
 Concen: 79.520 ng  
 RT: 9.31 min Scan# 1185  
 Delta R.T. -0.02 min  
 Lab File: BF106986.D  
 Acq: 29 Jun 2018 21:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 29.7  | 44.5  |
| 170     | 24.5  | 19.6  | 29.4  |





#49

Dimethylphthalate

Concen: 8.901 ng

RT: 9.70 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF106986.D

Acq: 29 Jun 2018 21:07

Instrument :

BNA\_F

ClientSampleId :

EPE-106-8(14-16)

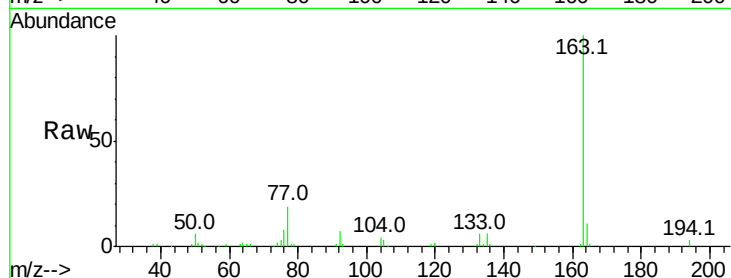
Tot Ion:163 Resp: 75461

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

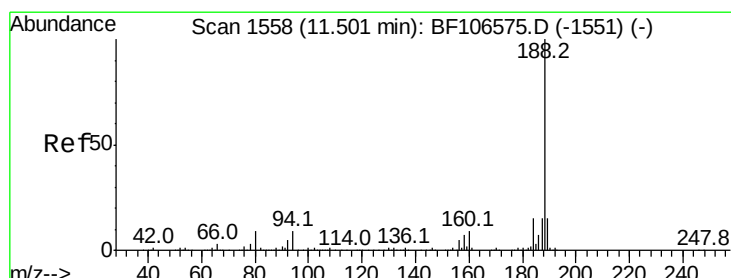
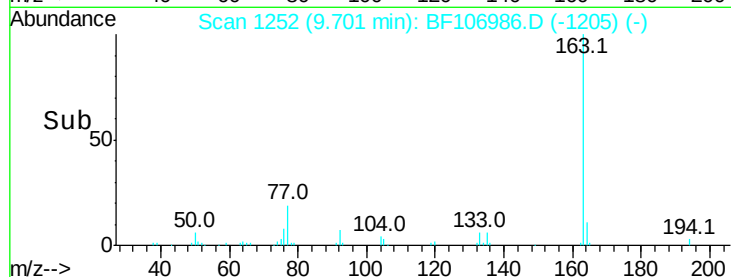
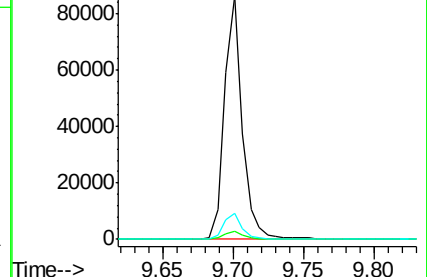
164 10.7 8.2 12.2



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: 11.48 min Scan# 1555

Delta R.T. -0.02 min

Lab File: BF106986.D

Acq: 29 Jun 2018 21:07

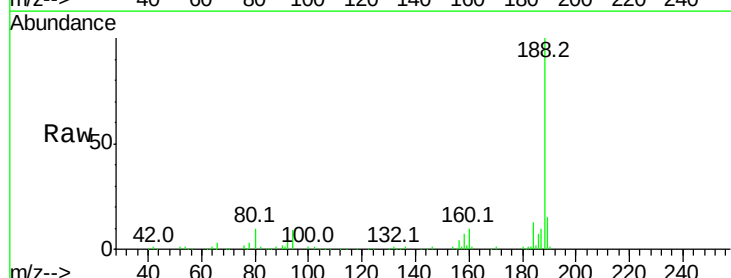
Tgt Ion:188 Resp: 195323

Ion Ratio Lower Upper

188 100

94 8.8 8.5 12.7

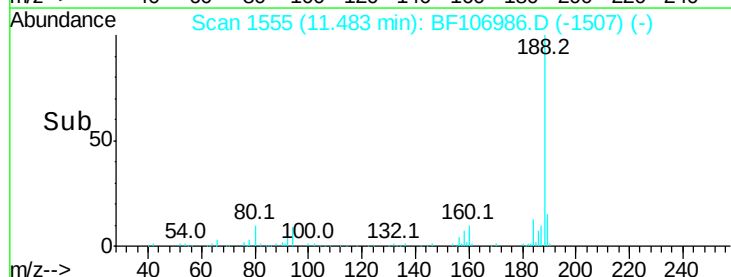
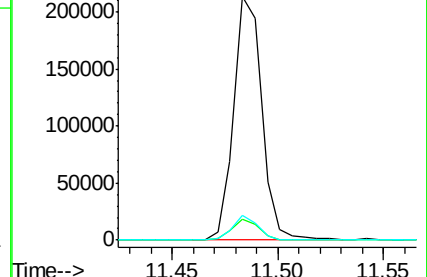
80 10.1 9.2 13.8

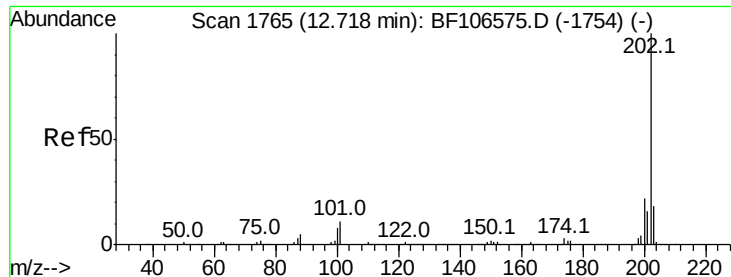


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

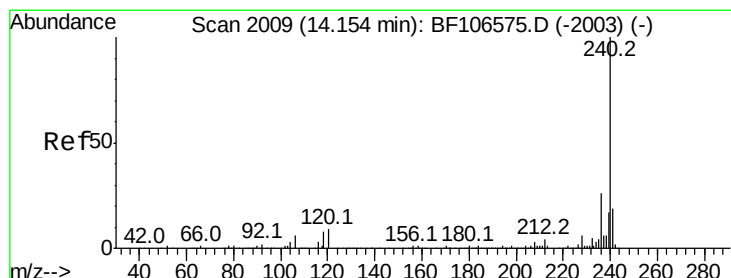
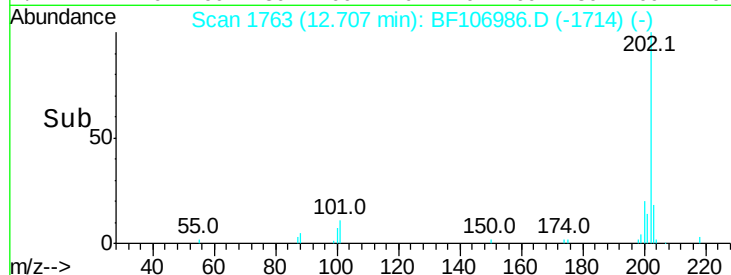
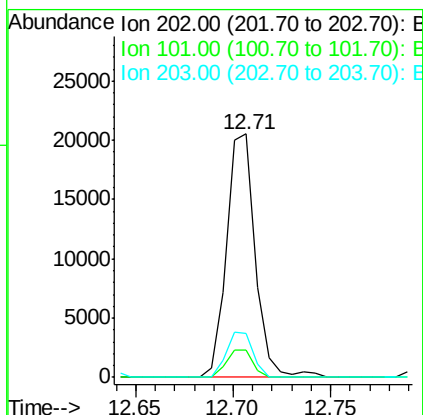
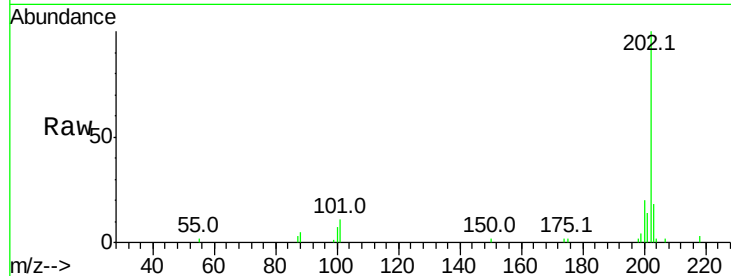




#74  
Fluoranthene  
Concen: 2.012 ng  
RT: 12.71 min Scan# 1763  
Delta R.T. -0.01 min  
Lab File: BF106986.D  
Acq: 29 Jun 2018 21:07

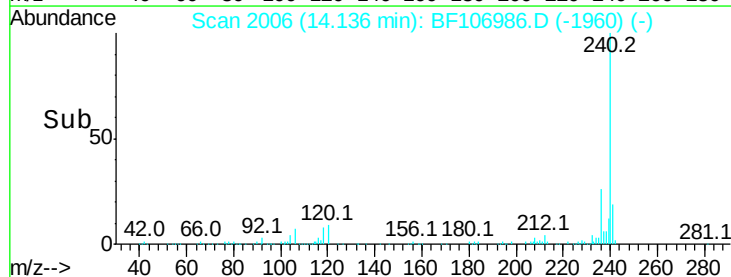
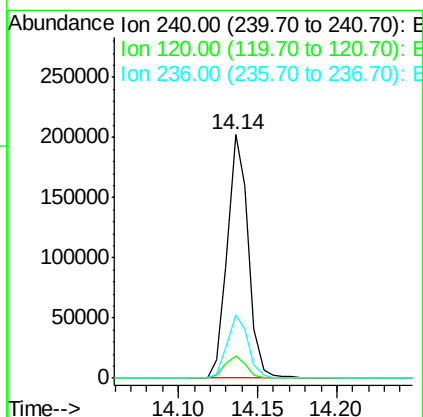
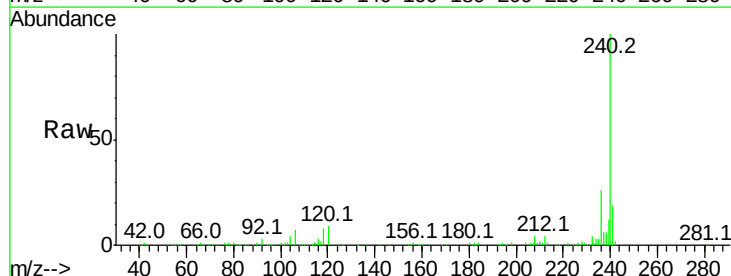
Instrument :  
BNA\_F  
ClientSampleId :  
EPE-106-8(14-16)

Tot Ion:202 Resp: 20890  
Ion Ratio Lower Upper  
202 100  
101 11.4 0.0 34.1  
203 17.8 0.0 38.1

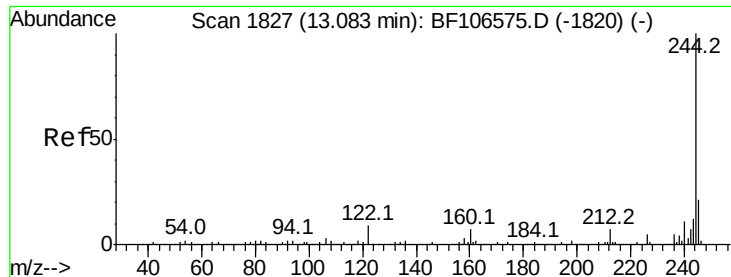


#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.14 min Scan# 2006  
Delta R.T. -0.03 min  
Lab File: BF106986.D  
Acq: 29 Jun 2018 21:07

Tgt Ion:240 Resp: 185165  
Ion Ratio Lower Upper  
240 100  
120 8.9 9.5 14.3#  
236 25.8 20.7 31.1



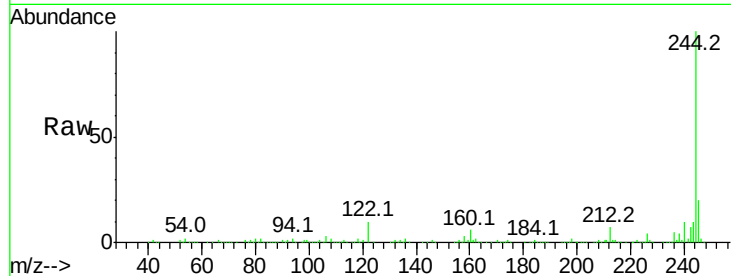




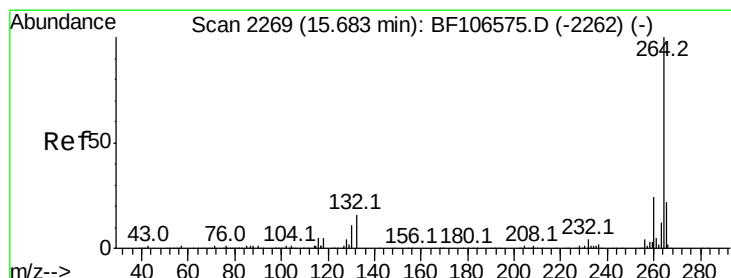
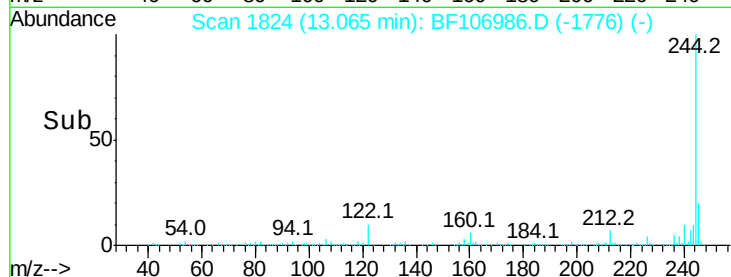
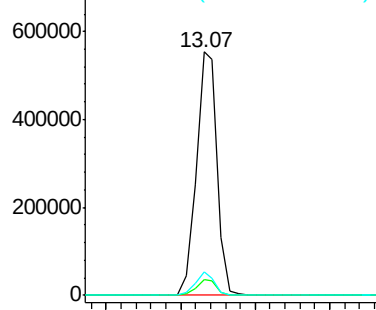
#78  
 Terphenyl-d14  
 Concen: 71.327 ng  
 RT: 13.07 min Scan# 1824  
 Delta R.T. -0.02 min  
 Lab File: BF106986.D  
 Acq: 29 Jun 2018 21:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-106-8(14-16)

Tot Ion:244 Resp: 545234  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.4 8.0  
 122 9.6 11.0 16.4#

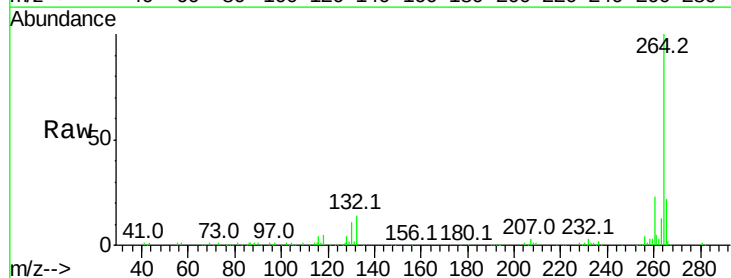


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.68 min Scan# 2268  
 Delta R.T. -0.04 min  
 Lab File: BF106986.D  
 Acq: 29 Jun 2018 21:07

Tgt Ion:264 Resp: 147971  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 19.2 28.8  
 265 22.2 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

