

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101018\  
 Data File : BF109770.D  
 Acq On : 11 Oct 2018 4:50  
 Operator : JU/SJ  
 Sample : J5326-16  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FL-PIT-4

Quant Time: Oct 11 07:24:27 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 08 16:02:11 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 84927    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.97  | 136  | 339195   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.72  | 164  | 157757   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.20 | 188  | 263986   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 13.83 | 240  | 235611   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.22 | 264  | 219580   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.33  | 112  | 469874   | 98.21 | ng    | 0.00     |
| 7) Phenol-d6                | 6.35  | 99   | 584445   | 91.44 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 483740   | 78.61 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.51 | 330  | 165696   | 96.39 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.05  | 172  | 869731   | 75.93 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.78 | 244  | 729717   | 59.96 | ng    | 0.00     |

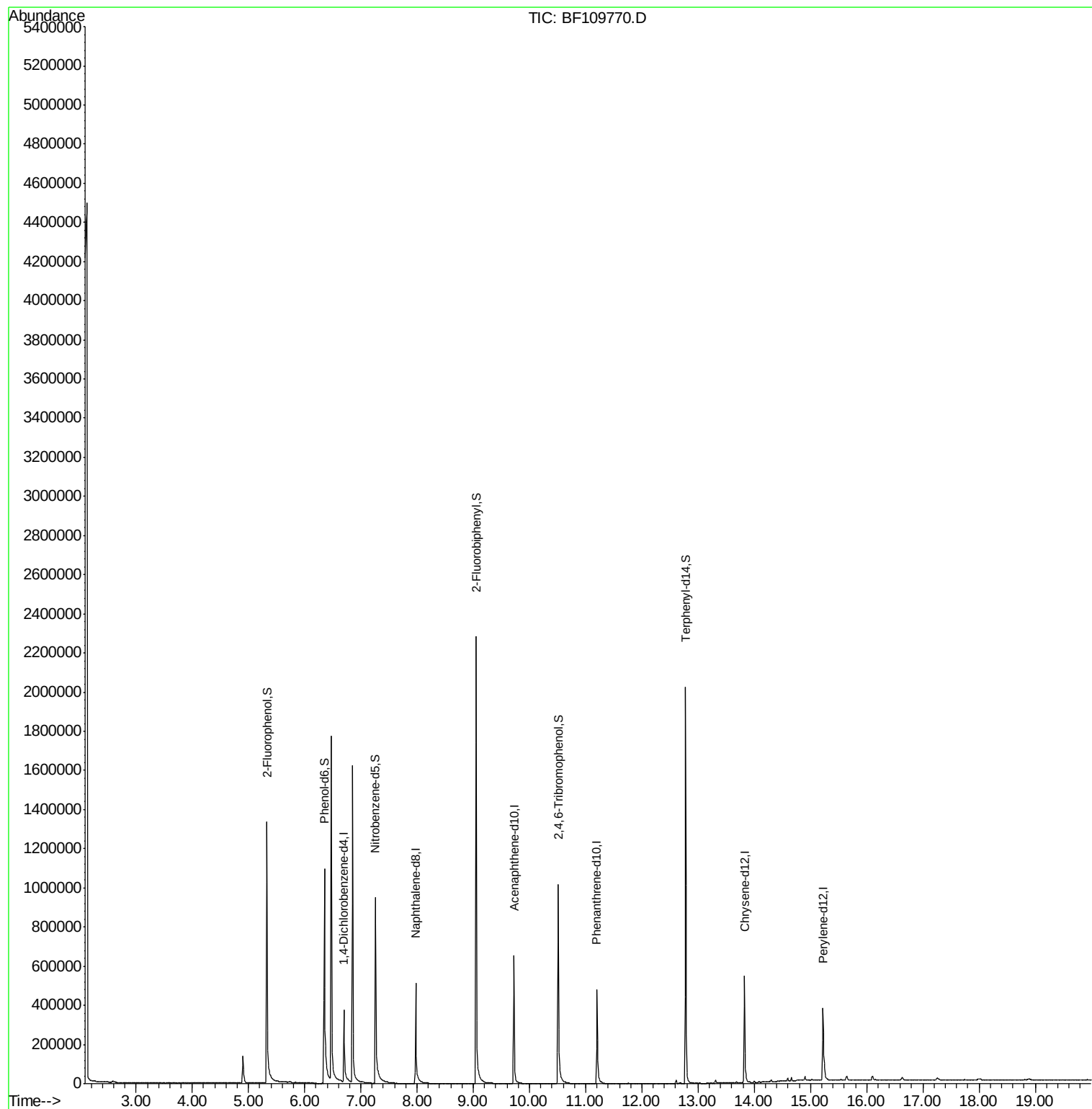
Target Compounds Qvalue

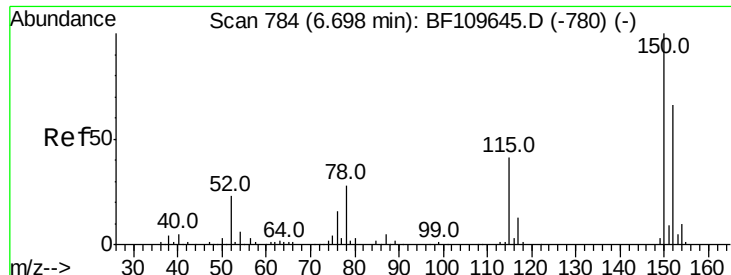
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101018\  
Data File : BF109770.D  
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Sample : J5326-16  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
FL-PIT-4

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M  
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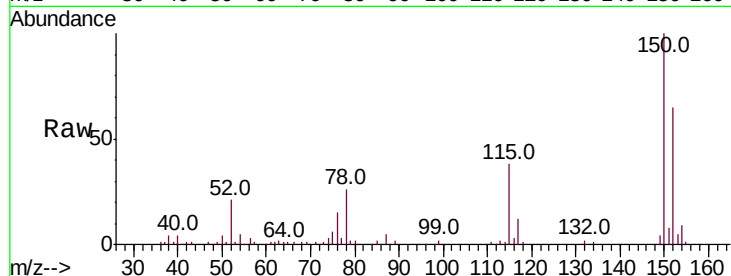


#1

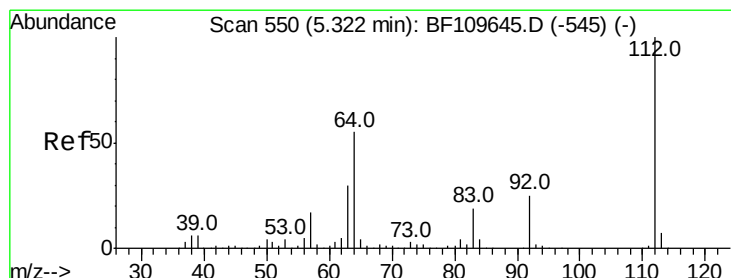
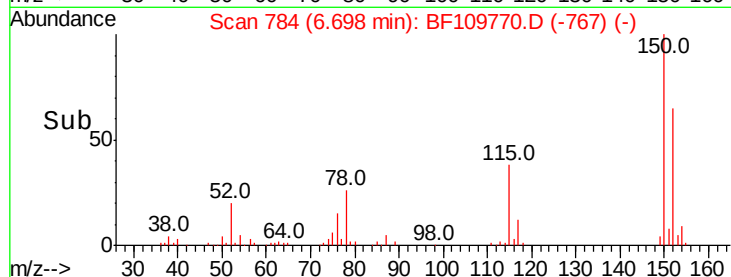
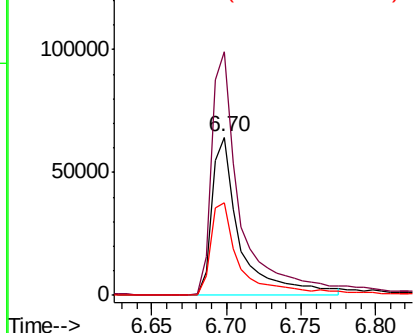
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.70 min Scan# 784  
 Delta R.T. -0.00 min  
 Lab File: BF109770.D  
 Acq: 11 Oct 2018 4:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FL-PIT-4

Tot Ion:152 Resp: 84927  
 Ion Ratio Lower Upper  
 152 100  
 150 154.0 122.7 184.1  
 115 58.5 49.1 73.7



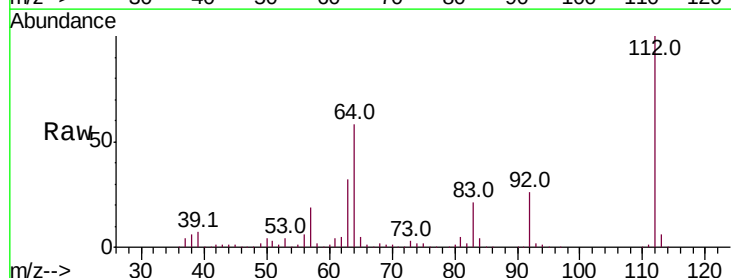
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



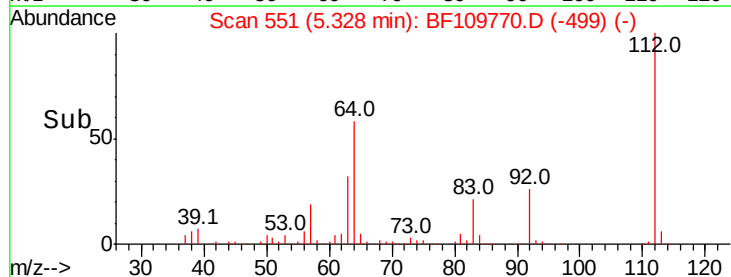
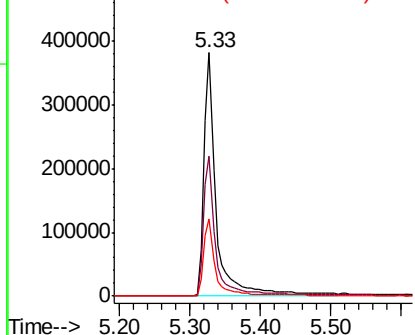
#5

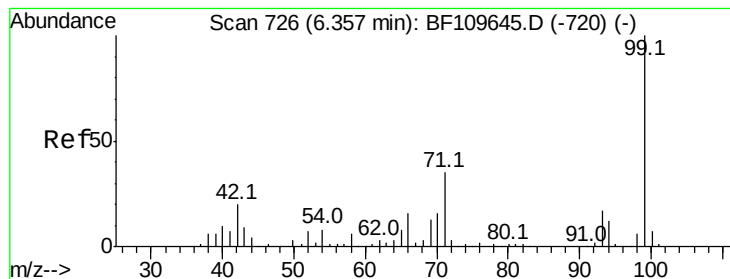
2-Fluorophenol  
 Concen: 98.207 ng  
 RT: 5.33 min Scan# 551  
 Delta R.T. 0.01 min  
 Lab File: BF109770.D  
 Acq: 11 Oct 2018 4:50

Tgt Ion:112 Resp: 469874  
 Ion Ratio Lower Upper  
 112 100  
 64 57.7 44.1 66.1  
 63 31.6 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: 91.440 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109770.D

Acq: 11 Oct 2018 4:50

Instrument :

BNA\_F

ClientSampled :

FL-PIT-4

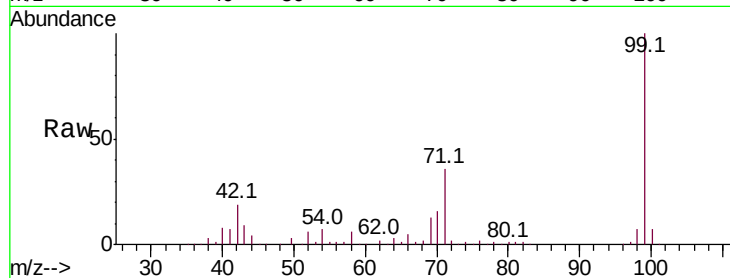
Tot Ion: 99 Resp: 584445

Ion Ratio Lower Upper

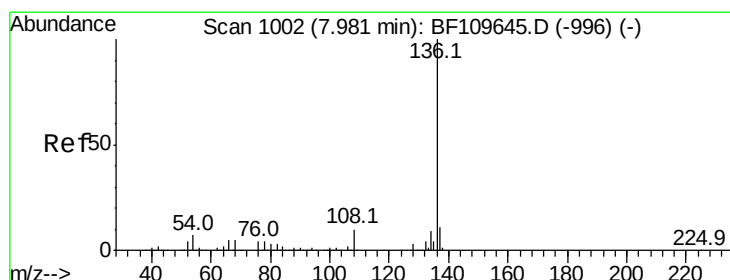
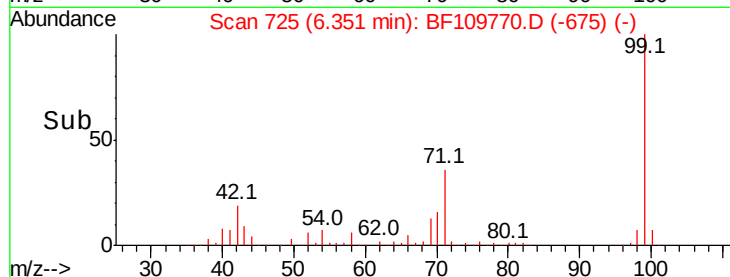
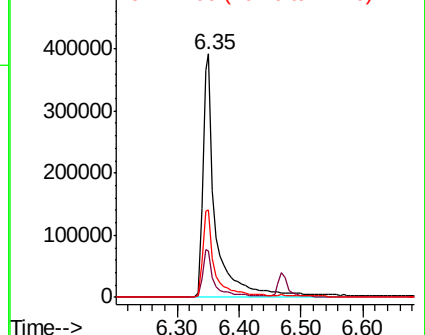
99 100

42 18.9 15.8 23.6

71 36.1 28.0 42.0



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: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109770.D

Acq: 11 Oct 2018 4:50

Tgt Ion: 136 Resp: 339195

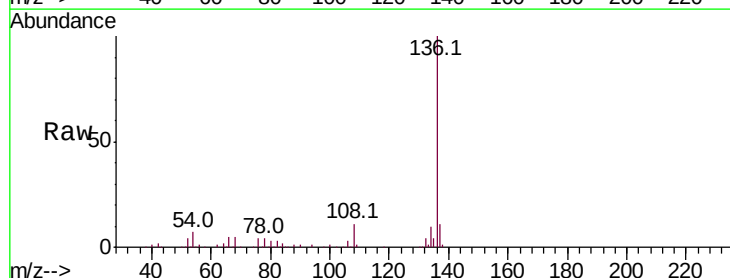
Ion Ratio Lower Upper

136 100

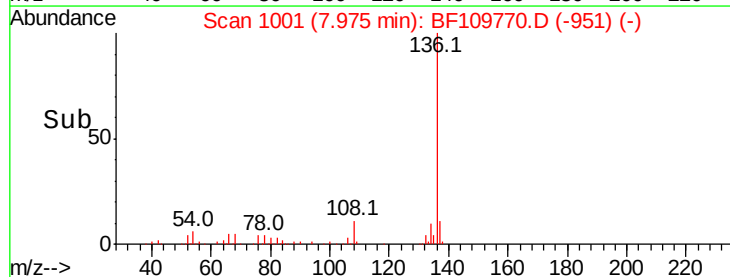
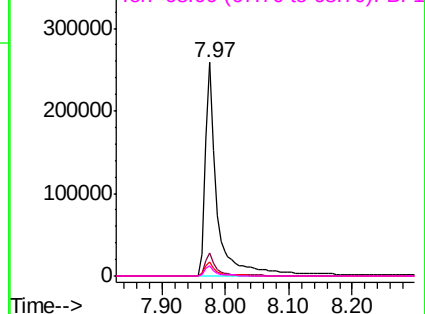
137 10.7 8.8 13.2

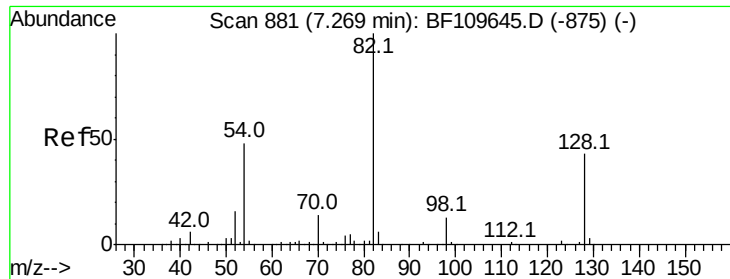
54 6.6 5.4 8.2

68 4.9 4.2 6.2



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

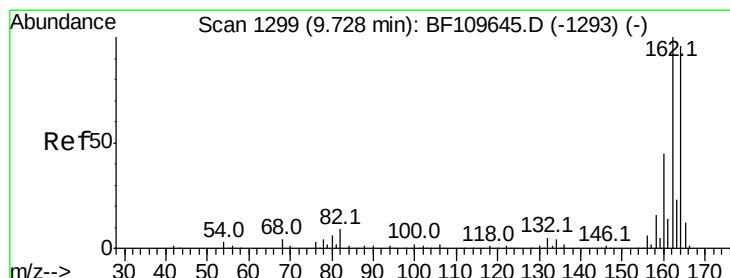
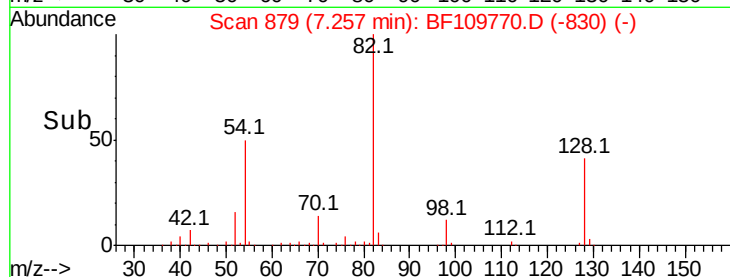
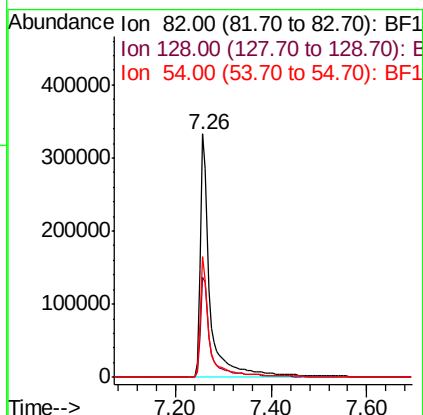
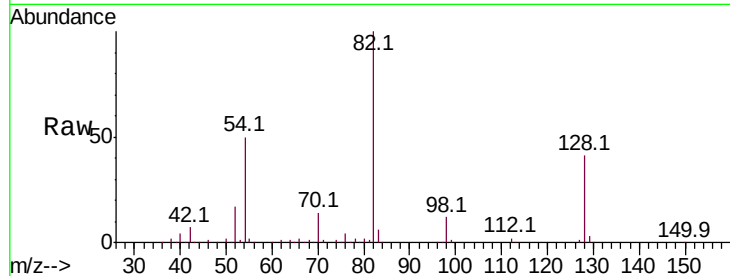




#23  
 Nitrobenzene-d5  
 Concen: 78.614 ng  
 RT: 7.26 min Scan# 879  
 Delta R.T. -0.01 min  
 Lab File: BF109770.D  
 Acq: 11 Oct 2018 4:50

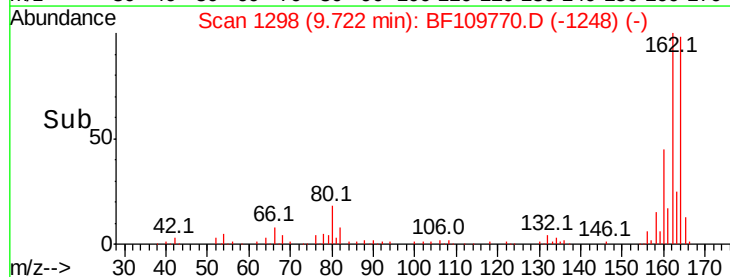
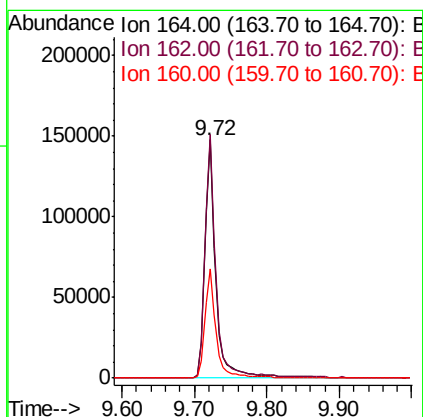
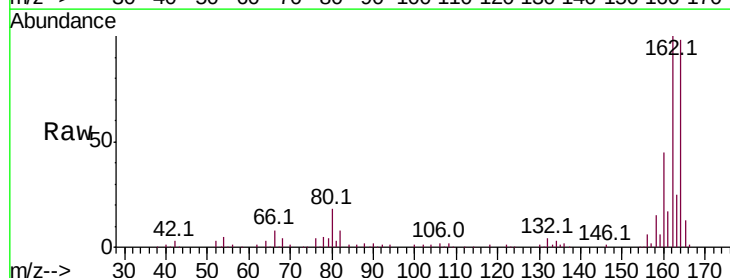
Instrument :  
 BNA\_F  
 ClientSampled :  
 FL-PIT-4

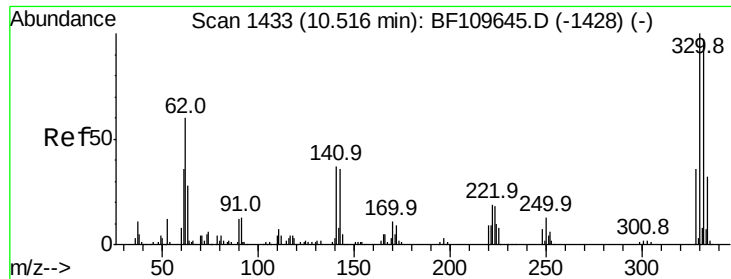
| Tot Ion   | 82   | Resp | 483740 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     | 34.2 |      |        |
| Upper     | 51.2 |      |        |
| 54        | 49.7 | 38.6 | 58.0   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.72 min Scan# 1298  
 Delta R.T. -0.01 min  
 Lab File: BF109770.D  
 Acq: 11 Oct 2018 4:50

| Tgt Ion   | 164   | Resp | 157757 |
|-----------|-------|------|--------|
| Ion Ratio | 100   |      |        |
| Lower     | 83.0  |      |        |
| Upper     | 124.6 |      |        |
| 162       | 102.3 | 37.0 | 55.6   |





#41

2,4,6-Tribromophenol

Concen: 96.395 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF109770.D

Acq: 11 Oct 2018 4:50

Instrument :

BNA\_F

ClientSampleId :

FL-PIT-4

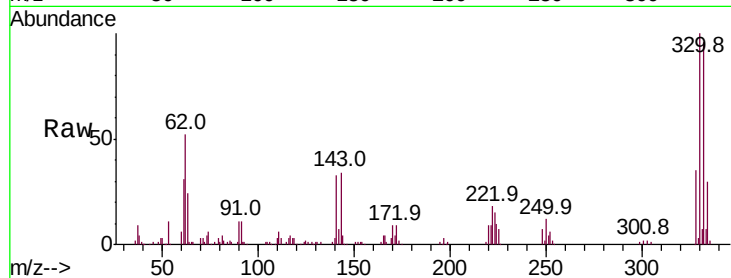
Tot Ion:330 Resp: 165696

Ion Ratio Lower Upper

330 100

332 94.2 77.1 115.7

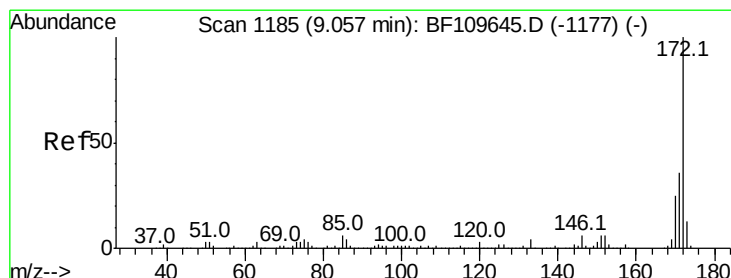
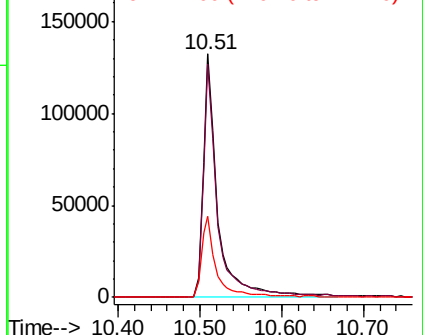
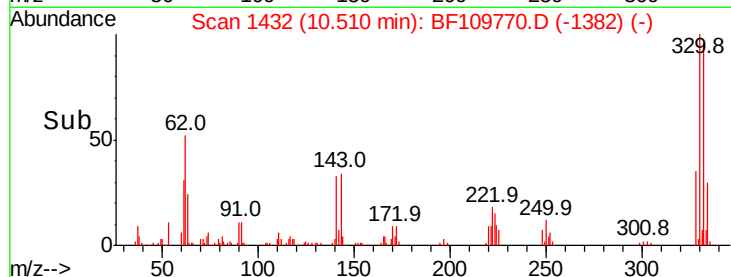
141 33.4 27.0 40.4



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: 75.929 ng

RT: 9.05 min Scan# 1184

Delta R.T. -0.01 min

Lab File: BF109770.D

Acq: 11 Oct 2018 4:50

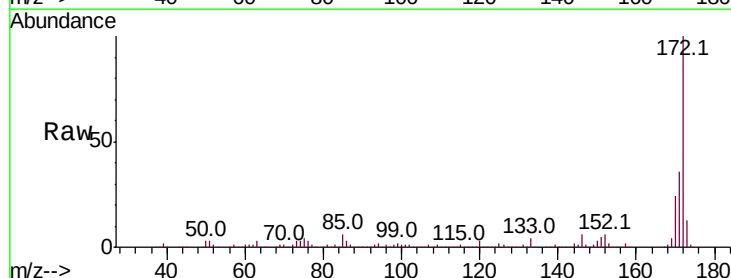
Tgt Ion:172 Resp: 869731

Ion Ratio Lower Upper

172 100

171 35.6 28.6 43.0

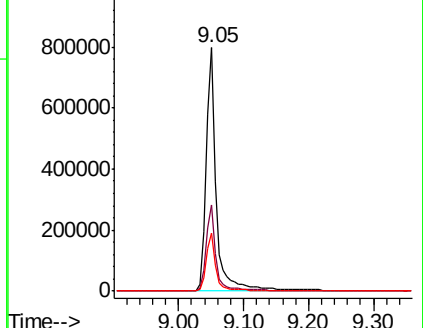
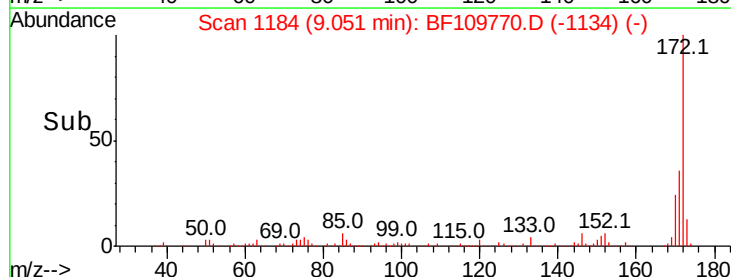
170 24.0 19.7 29.5

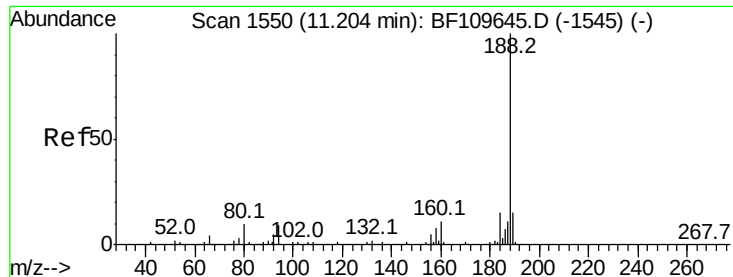


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

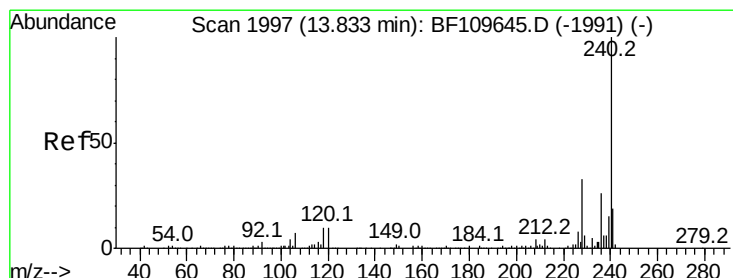
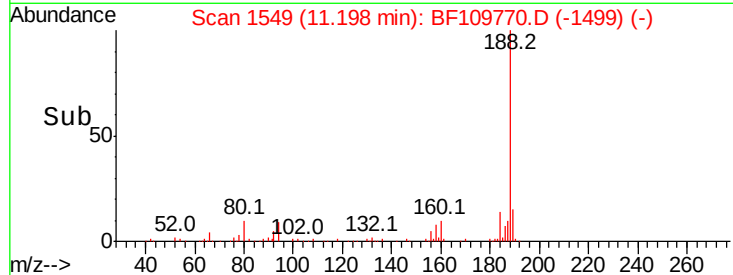
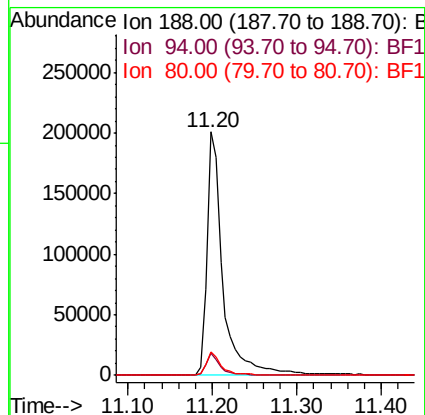
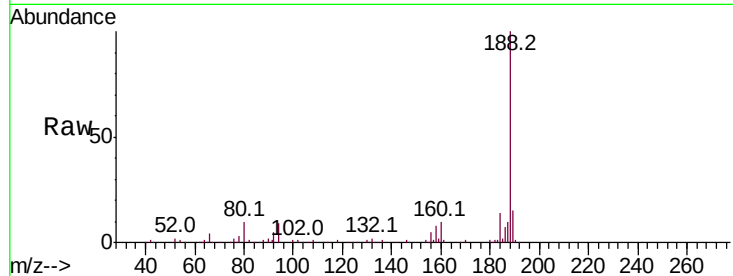




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.20 min Scan# 1549  
Delta R.T. -0.01 min  
Lab File: BF109770.D  
Acq: 11 Oct 2018 4:50

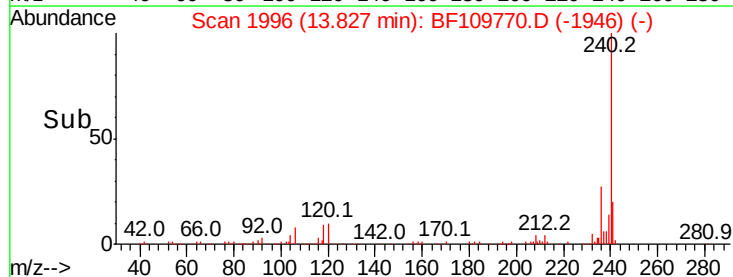
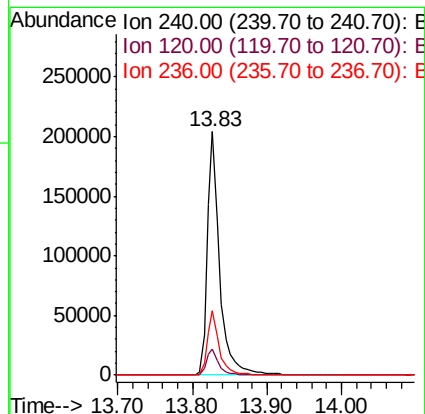
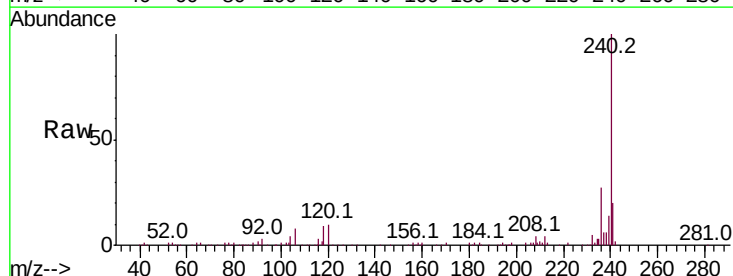
Instrument :  
BNA\_F  
ClientSampled :  
FL-PIT-4

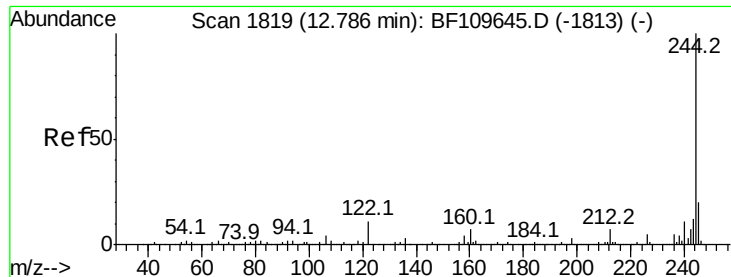
Tot Ion:188 Resp: 263986  
Ion Ratio Lower Upper  
188 100  
94 9.2 7.2 10.8  
80 9.6 7.9 11.9



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.83 min Scan# 1996  
Delta R.T. -0.01 min  
Lab File: BF109770.D  
Acq: 11 Oct 2018 4:50

Tgt Ion:240 Resp: 235611  
Ion Ratio Lower Upper  
240 100  
120 10.5 8.3 12.5  
236 26.6 21.2 31.8





#78

Terphenyl-d14

Concen: 59.955 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF109770.D

Acq: 11 Oct 2018 4:50

Instrument :

BNA\_F

ClientSampleId :

FL-PIT-4

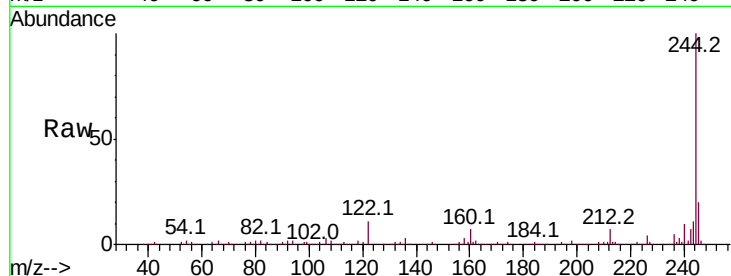
Tot Ion:244 Resp: 729717

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

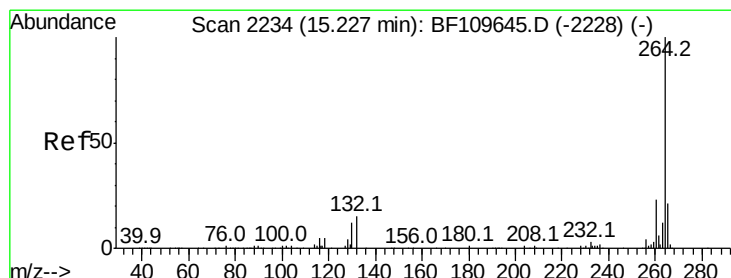
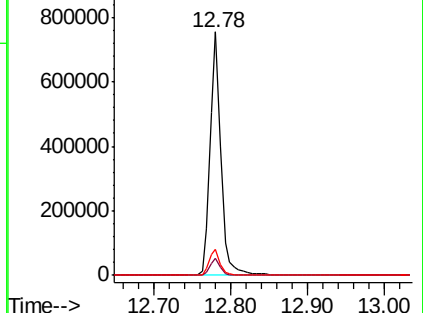
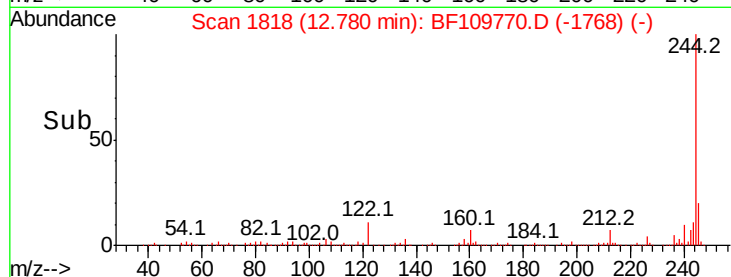
122 10.6 8.7 13.1



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: 15.22 min Scan# 2233

Delta R.T. -0.01 min

Lab File: BF109770.D

Acq: 11 Oct 2018 4:50

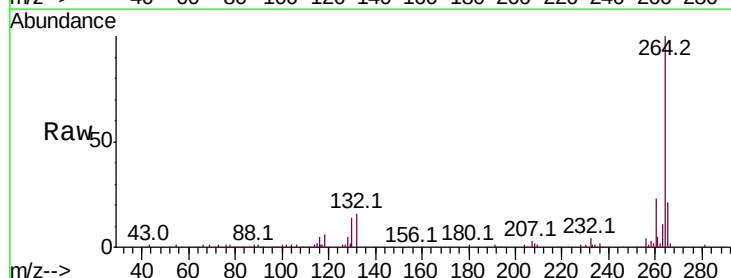
Tgt Ion:264 Resp: 219580

Ion Ratio Lower Upper

264 100

260 22.6 18.7 28.1

265 20.9 16.7 25.1



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

