

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040518\  
 Data File : BF104276.D  
 Acq On : 5 Apr 2018 18:22  
 Operator : JU/SJ  
 Sample : J2183-04  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ES-4-DWS-1-SW@4.5

Quant Time: Apr 06 01:26:34 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 04 18:06:58 2018  
 Response via : Initial Calibration

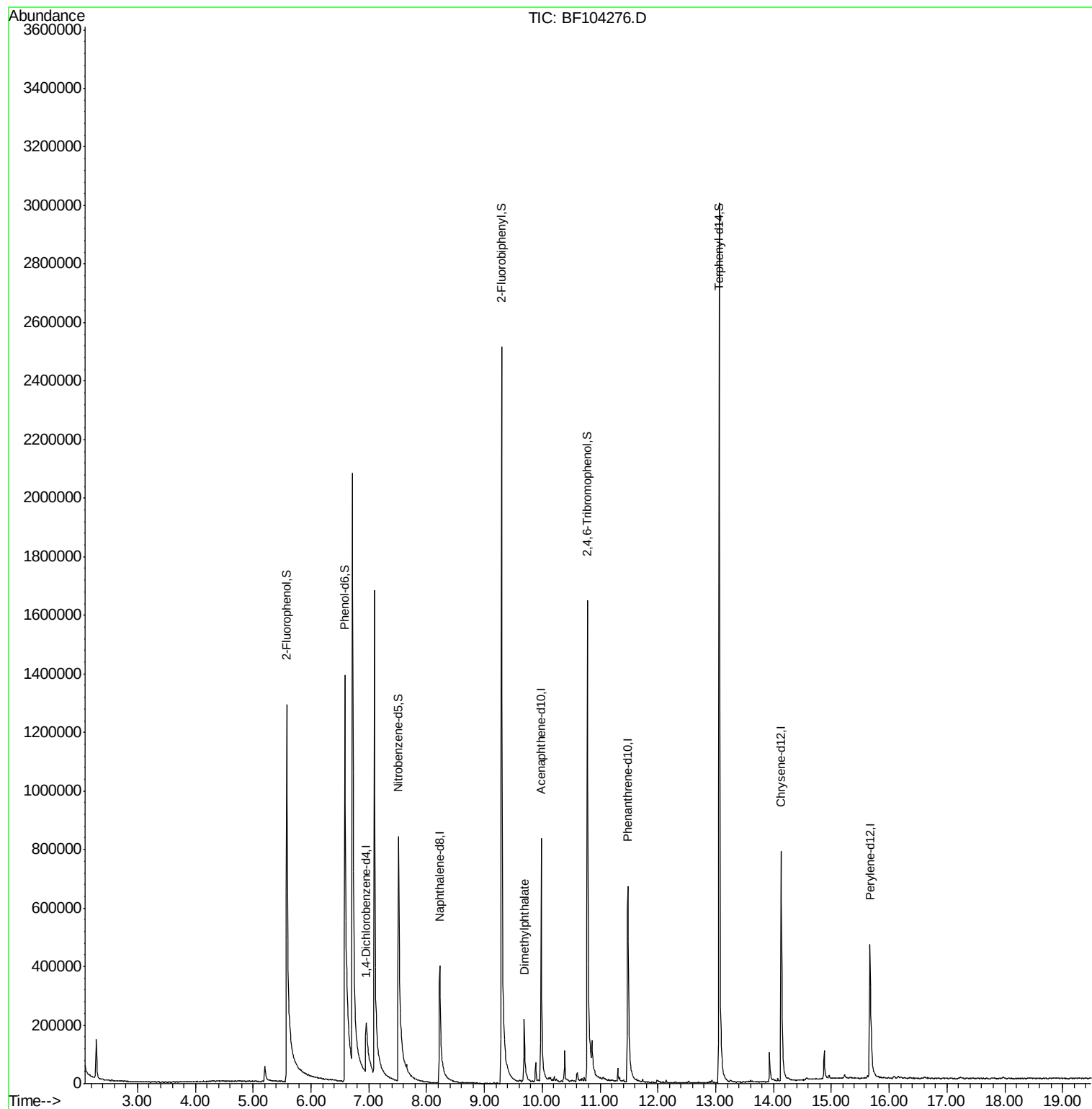
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.96  | 152  | 105416   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.23  | 136  | 491373   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 9.98  | 164  | 245965   | 20.00  | ng    | -0.01     |
| 63) Phenanthrene-d10        | 11.48 | 188  | 474791   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 14.13 | 240  | 427457   | 20.00  | ng    | -0.01     |
| 86) Perylene-d12            | 15.67 | 264  | 351357   | 20.00  | ng    | -0.01     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.58  | 112  | 908907   | 137.50 | ng    | -0.01     |
| 7) Phenol-d6                | 6.59  | 99   | 1182329  | 145.38 | ng    | -0.02     |
| 23) Nitrobenzene-d5         | 7.51  | 82   | 776556   | 96.65  | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol    | 10.78 | 330  | 371283   | 135.56 | ng    | -0.01     |
| 44) 2-Fluorobiphenyl        | 9.30  | 172  | 1392741  | 89.29  | ng    | 0.00      |
| 78) Terphenyl-d14           | 13.06 | 244  | 1415500  | 76.46  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 49) Dimethylphthalate       | 9.69  | 163  | 153644   | 7.912  | ng    | Qvalue 98 |

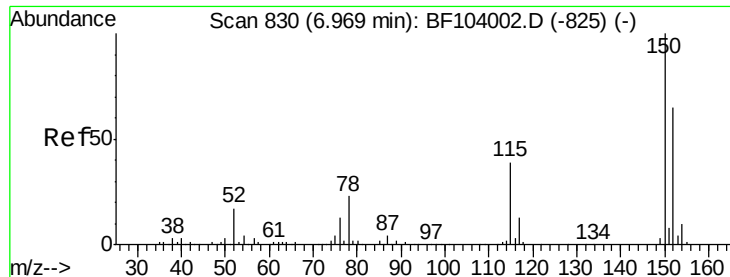
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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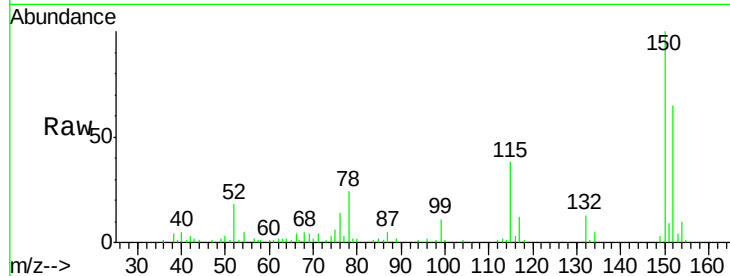


#1

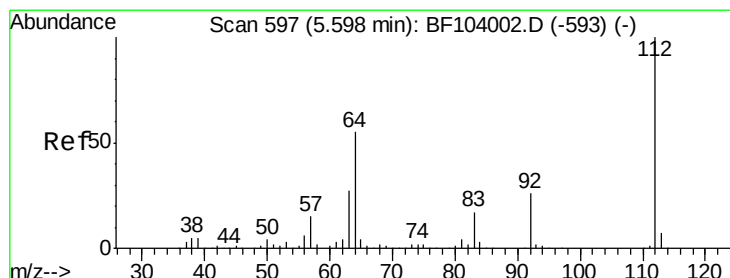
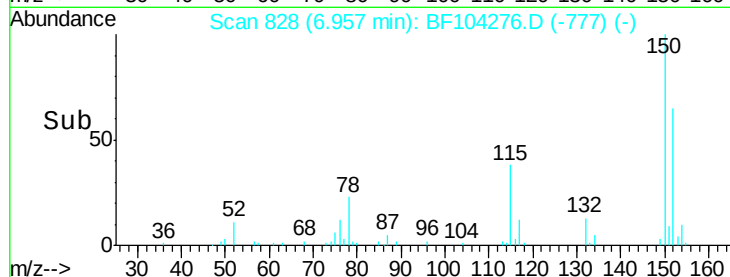
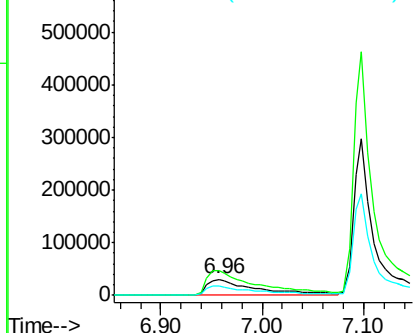
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 828  
Delta R.T. -0.00 min  
Lab File: BF104276.D  
Acq: 5 Apr 2018 18:22

Instrument :  
BNA\_F  
ClientSampleId :  
ES-4-DWS-1-SW@4.5

Tot Ion:152 Resp: 105416  
Ion Ratio Lower Upper  
152 100  
150 154.6 124.6 186.8  
115 58.5 50.1 75.1



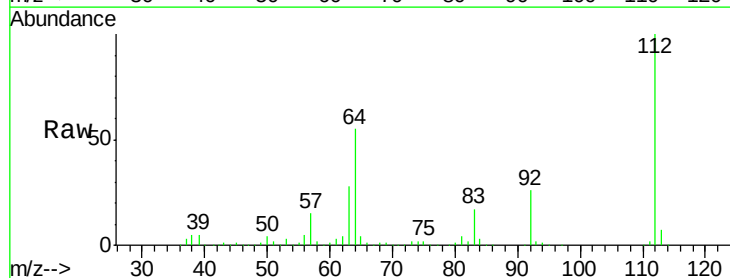
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



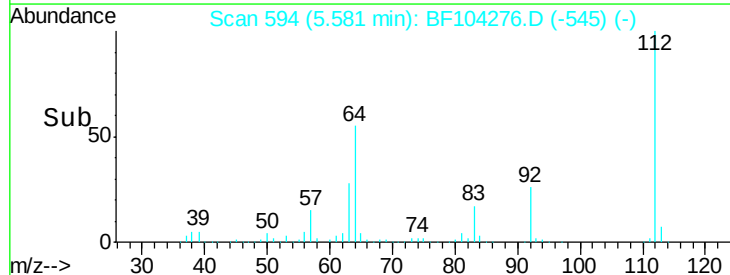
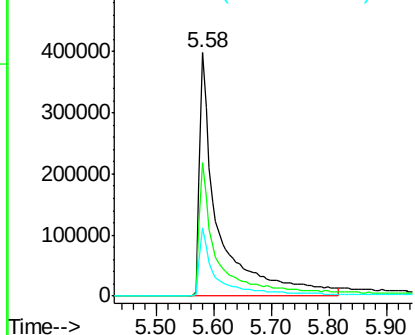
#5

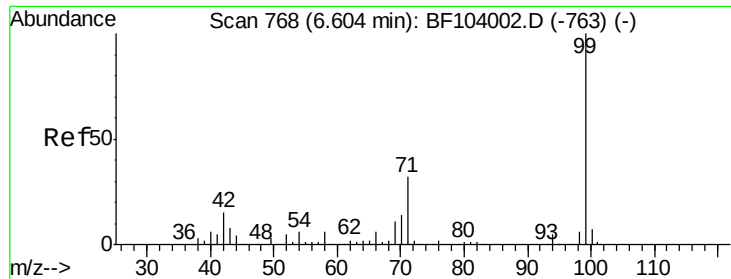
2-Fluorophenol  
Concen: 137.501 ng  
RT: 5.58 min Scan# 594  
Delta R.T. -0.01 min  
Lab File: BF104276.D  
Acq: 5 Apr 2018 18:22

Tgt Ion:112 Resp: 908907  
Ion Ratio Lower Upper  
112 100  
64 55.1 47.9 71.9  
63 27.8 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: 145.383 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF104276.D

Acq: 5 Apr 2018 18:22

Instrument :

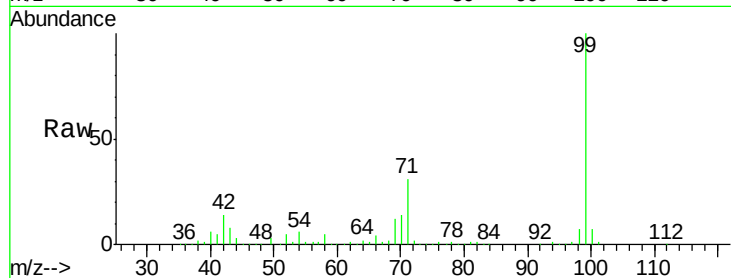
BNA\_F

ClientSampleId :

ES-4-DWS-1-SW@4.5

Tot Ion: 99 Resp: 1182329

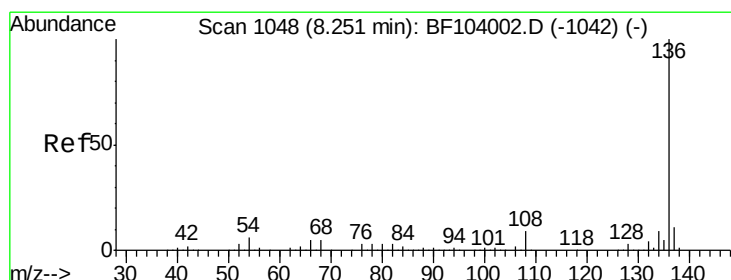
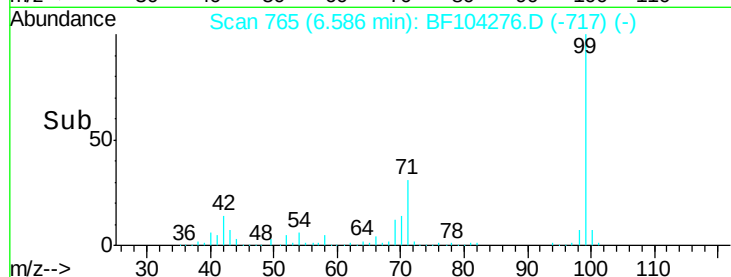
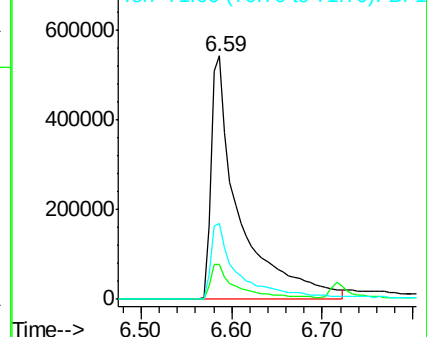
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 14.4  | 14.5  | 21.7# |
| 71  | 31.3  | 25.4  | 38.0  |



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: 8.23 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BF104276.D

Acq: 5 Apr 2018 18:22

Tgt Ion: 136 Resp: 491373

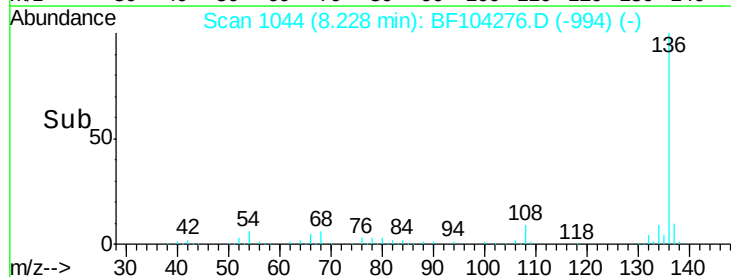
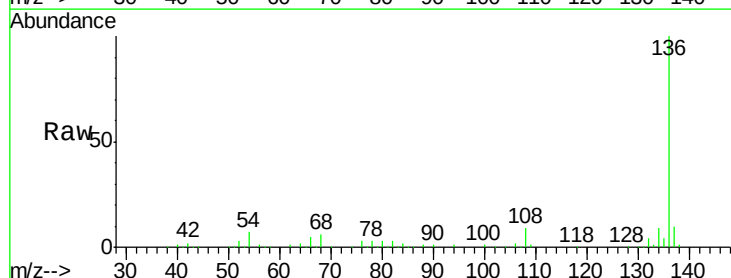
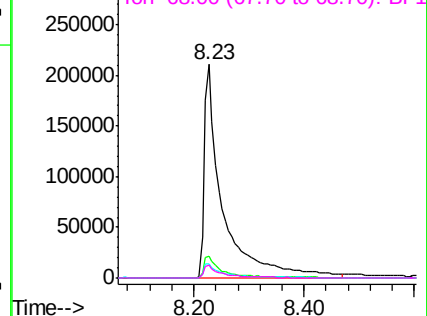
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.5  | 8.9   | 13.3  |
| 54  | 6.6   | 6.6   | 9.8   |
| 68  | 5.8   | 5.0   | 7.4   |

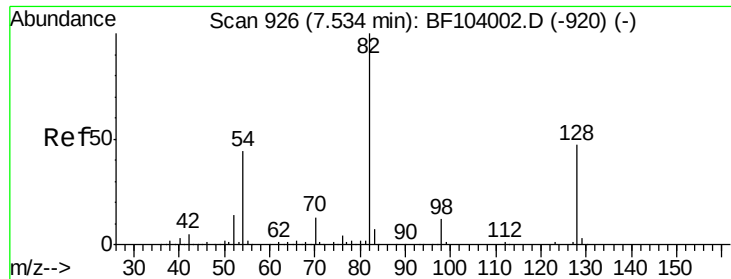
Abundance Ion 136.00 (135.70 to 136.70): E

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

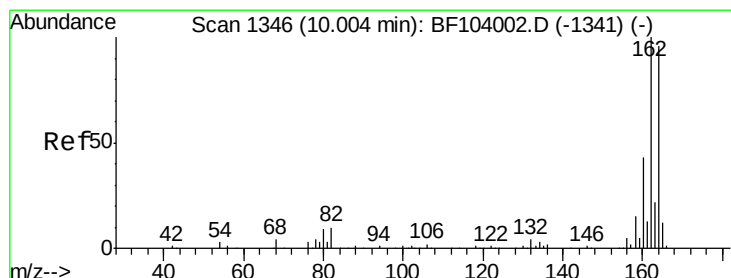
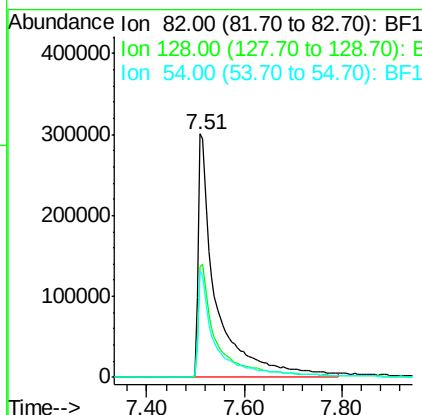
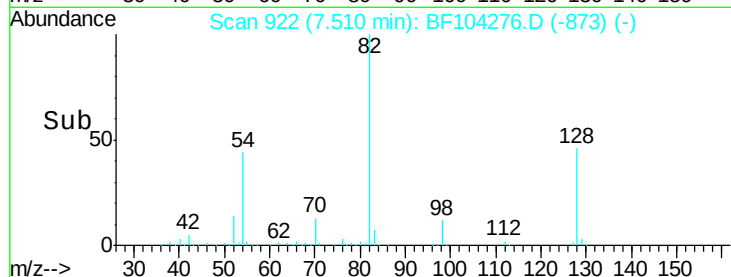
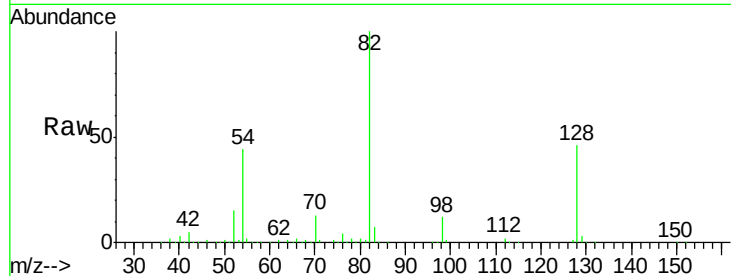




#23  
 Nitrobenzene-d5  
 Concen: 96.649 ng  
 RT: 7.51 min Scan# 922  
 Delta R.T. -0.01 min  
 Lab File: BF104276.D  
 Acq: 5 Apr 2018 18:22

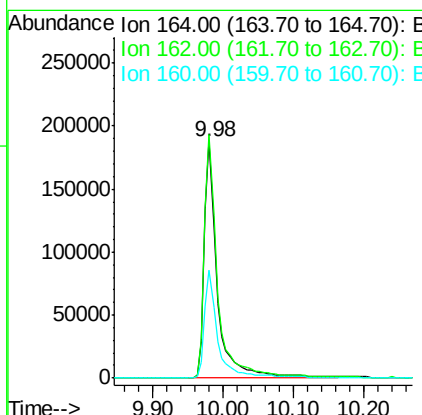
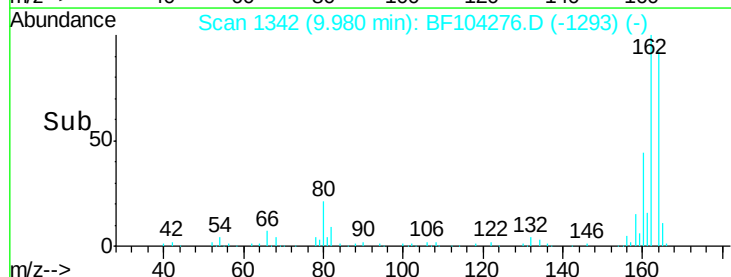
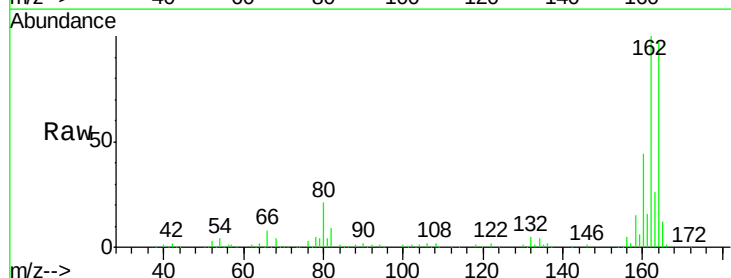
Instrument :  
 BNA\_F  
 ClientSampleId :  
 ES-4-DWS-1-SW@4.5

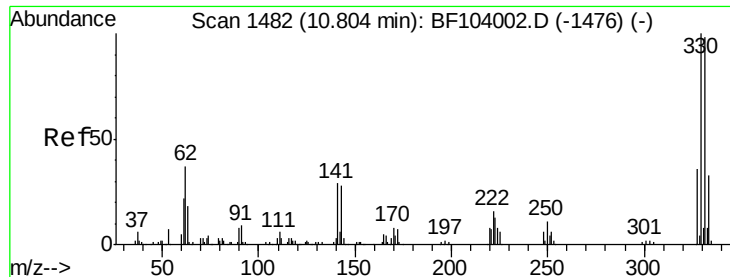
Tot Ion: 82 Resp: 776556  
 Ion Ratio Lower Upper  
 82 100  
 128 45.6 36.1 54.1  
 54 43.8 41.4 62.2



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.98 min Scan# 1342  
 Delta R.T. -0.01 min  
 Lab File: BF104276.D  
 Acq: 5 Apr 2018 18:22

Tgt Ion: 164 Resp: 245965  
 Ion Ratio Lower Upper  
 164 100  
 162 102.9 86.1 129.1  
 160 45.6 38.3 57.5

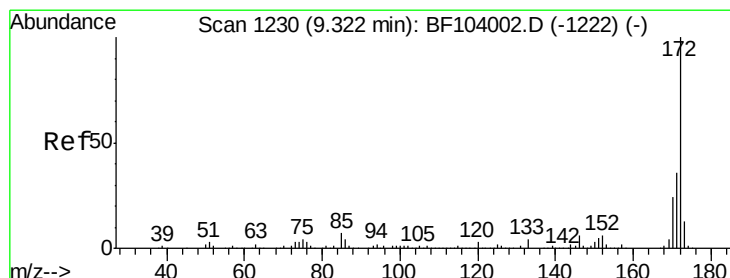
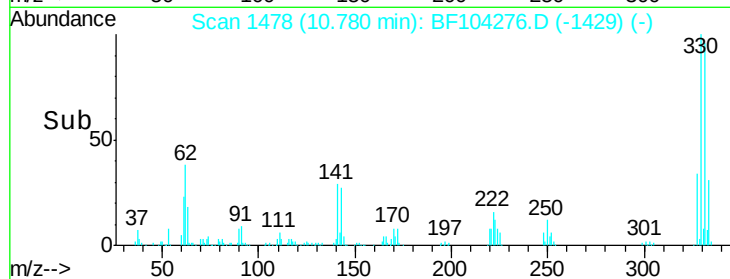
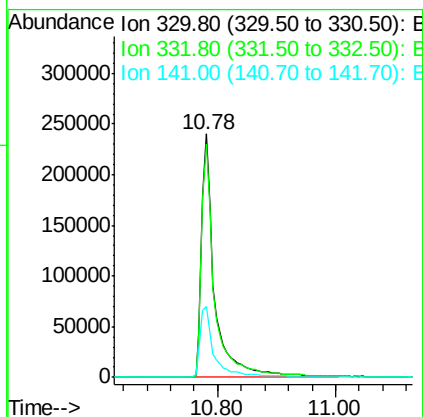
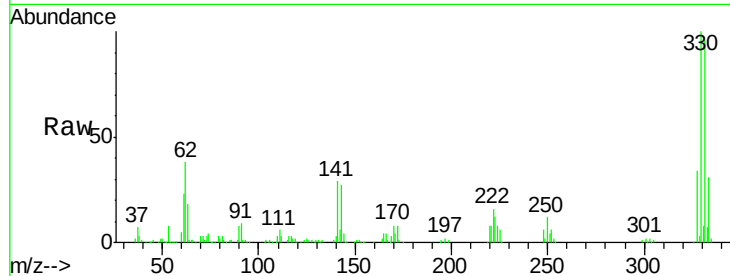




#41  
 2,4,6-Tribromophenol  
 Concen: 135.563 ng  
 RT: 10.78 min Scan# 1478  
 Delta R.T. -0.01 min  
 Lab File: BF104276.D  
 Acq: 5 Apr 2018 18:22

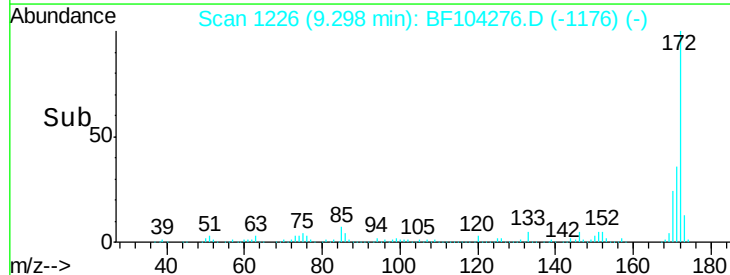
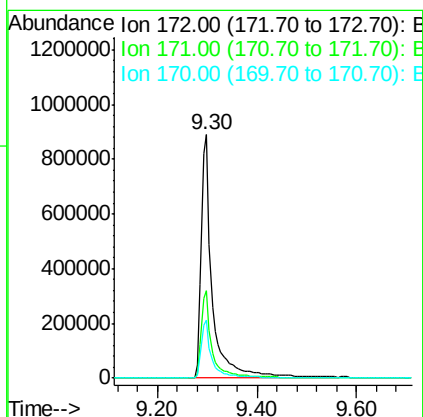
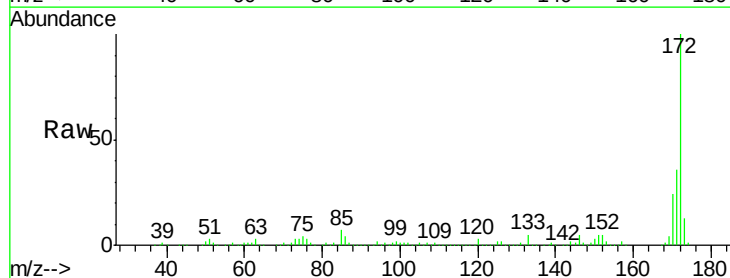
Instrument :  
 BNA\_F  
 ClientSampleId :  
 ES-4-DWS-1-SW@4.5

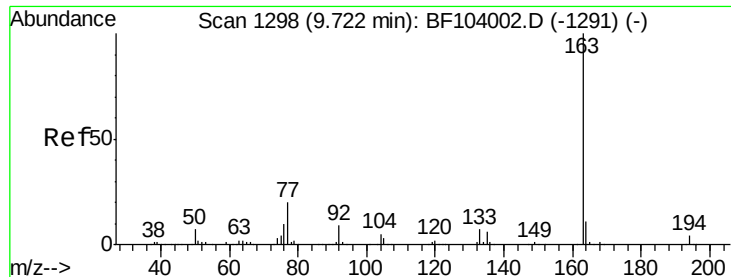
Tot Ion:330 Resp: 371283  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 77.0 115.6  
 141 29.0 29.9 44.9#



#44  
 2-Fluorobiphenyl  
 Concen: 89.291 ng  
 RT: 9.30 min Scan# 1226  
 Delta R.T. -0.01 min  
 Lab File: BF104276.D  
 Acq: 5 Apr 2018 18:22

Tgt Ion:172 Resp: 1392741  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.7 44.5  
 170 23.7 19.6 29.4

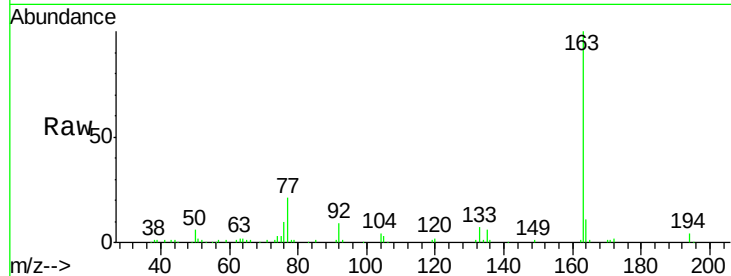




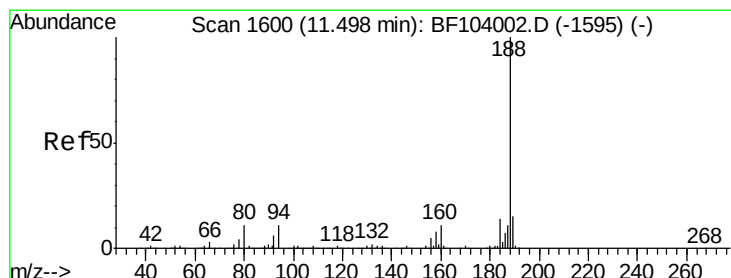
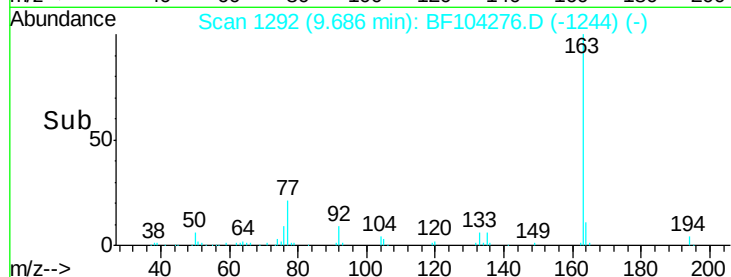
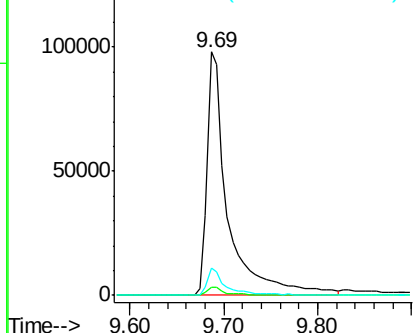
#49  
Dimethylphthalate  
Concen: 7.912 ng  
RT: 9.69 min Scan# 1292  
Delta R.T. -0.02 min  
Lab File: BF104276.D  
Acq: 5 Apr 2018 18:22

Instrument :  
BNA\_F  
ClientSampleId :  
ES-4-DWS-1-SW@4.5

Tot Ion:163 Resp: 153644  
Ion Ratio Lower Upper  
163 100  
194 3.6 2.7 4.1  
164 11.3 8.2 12.2

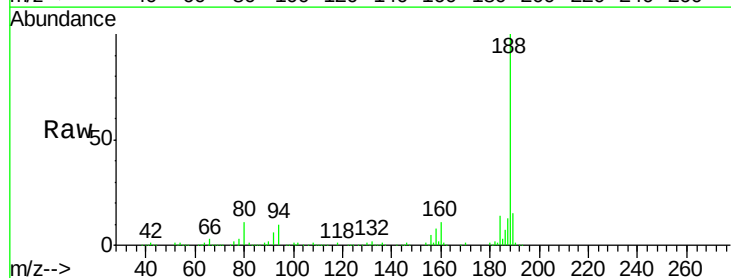


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

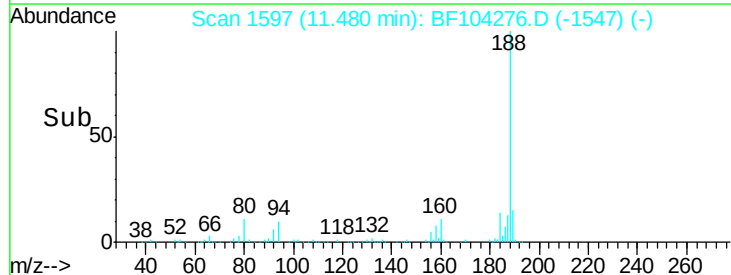
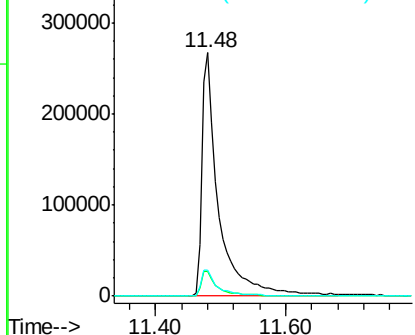


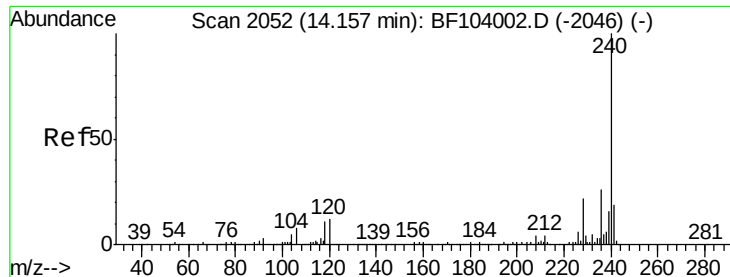
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.48 min Scan# 1597  
Delta R.T. -0.01 min  
Lab File: BF104276.D  
Acq: 5 Apr 2018 18:22

Tgt Ion:188 Resp: 474791  
Ion Ratio Lower Upper  
188 100  
94 10.1 8.5 12.7  
80 10.9 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF104276.D

Acq: 5 Apr 2018 18:22

Instrument :

BNA\_F

ClientSampleId :

ES-4-DWS-1-SW@4.5

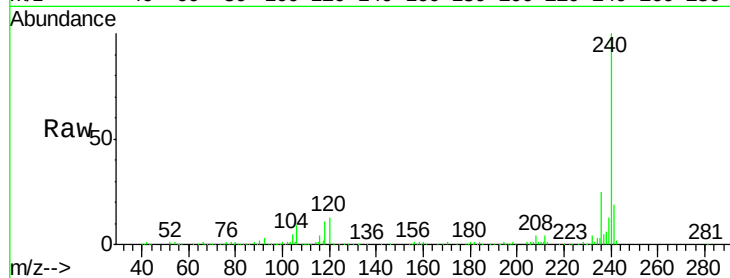
Tot Ion:240 Resp: 427457

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

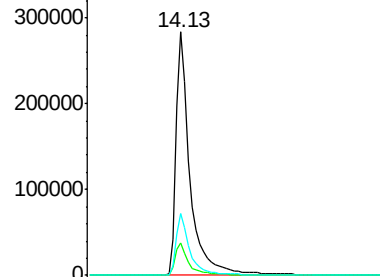
236 25.3 20.7 31.1



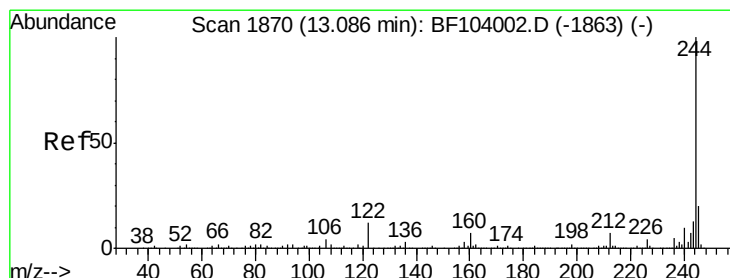
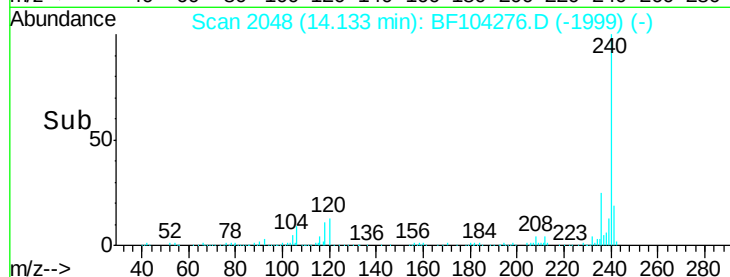
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 14.00 14.20 14.40



#78

Terphenyl-d14

Concen: 76.460 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF104276.D

Acq: 5 Apr 2018 18:22

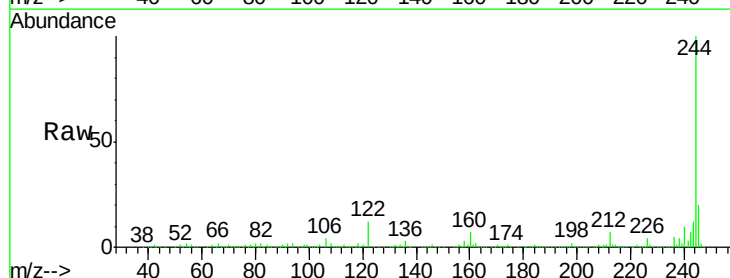
Tgt Ion:244 Resp: 1415500

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

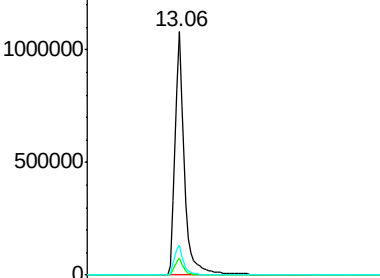
122 12.4 11.0 16.4



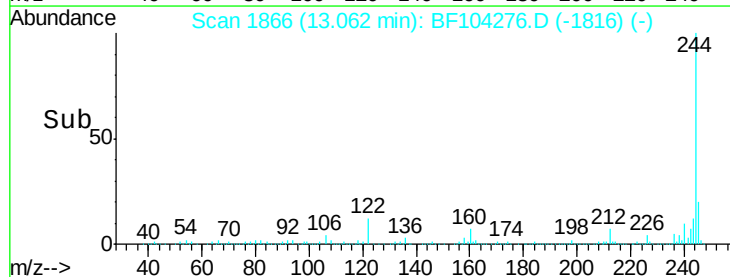
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

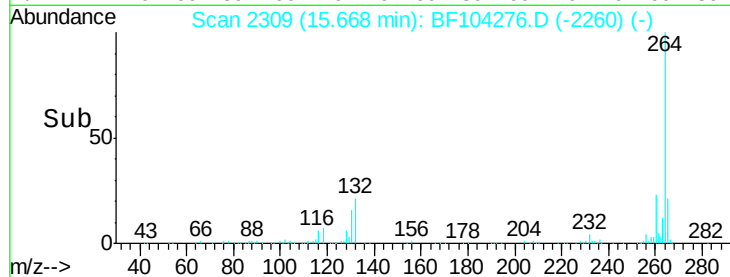
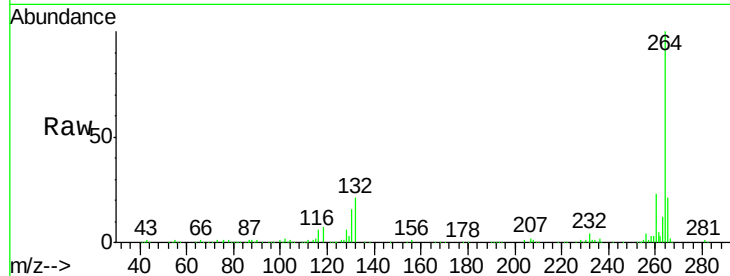
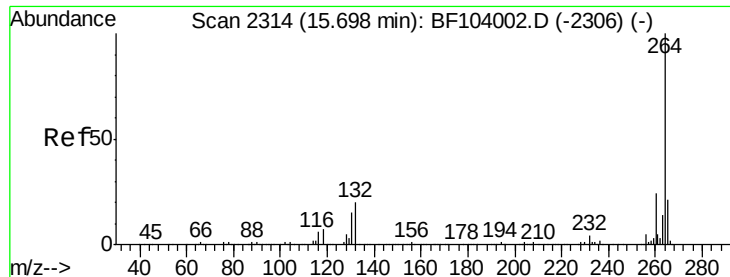
Ion 122.00 (121.70 to 122.70): E



Time--> 13.00 13.20 13.40







#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.67 min Scan# 2309  
Delta R.T. -0.01 min  
Lab File: BF104276.D  
Acq: 5 Apr 2018 18:22

Instrument :  
BNA\_F  
ClientSampleId :  
ES-4-DWS-1-SW@4.5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.0  | 19.2  | 28.8  |
| 265     | 21.5  | 17.5  | 26.3  |

