

Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\  
 Data File : BF101940.D  
 Acq On : 5 Jan 2018 19:56  
 Operator : SJ/JU  
 Sample : J1032-02  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OWS-2

Quant Time: Jan 05 22:05:35 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 05 12:29:26 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.77  | 152  | 124919   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.06  | 136  | 458500   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.81  | 164  | 159115   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.30 | 188  | 257161   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.96 | 240  | 261587   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.43 | 264  | 197430   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.41  | 112  | 1063440  | 126.81 | ng    | 0.01     |
| 7) Phenol-d6                | 6.43  | 99   | 1156671  | 110.82 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.35  | 82   | 813733   | 98.79  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.61 | 330  | 168230   | 109.72 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.12  | 172  | 1088653  | 106.13 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.88 | 244  | 855886   | 78.88  | ng    | 0.00     |

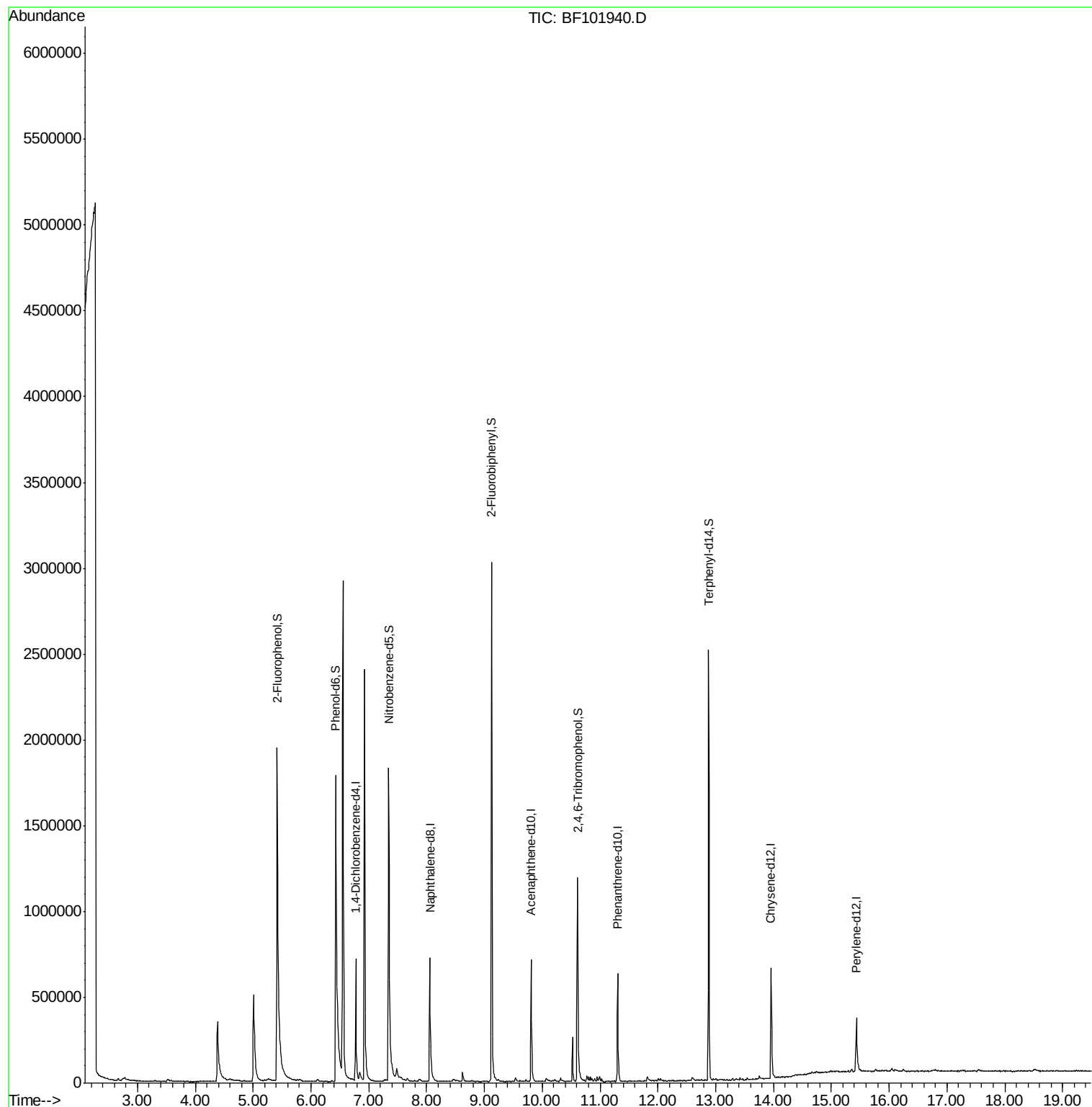
Target Compounds Qvalue

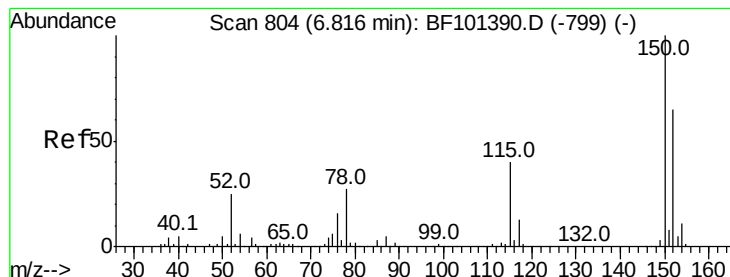
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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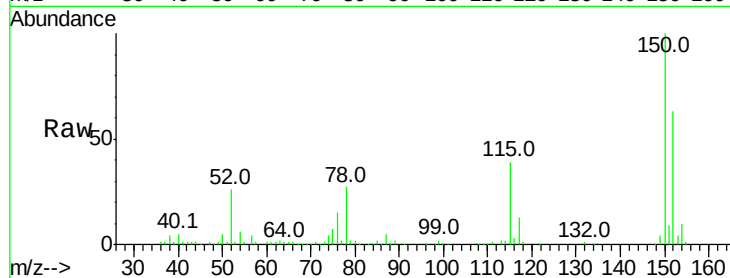


#1

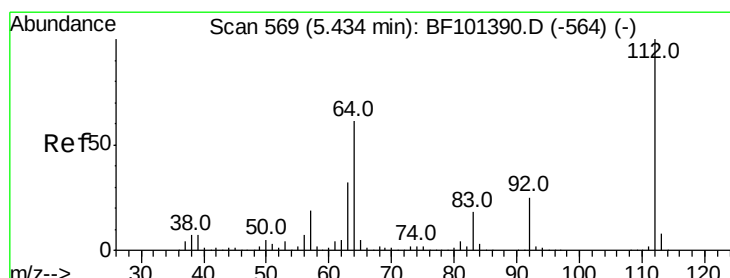
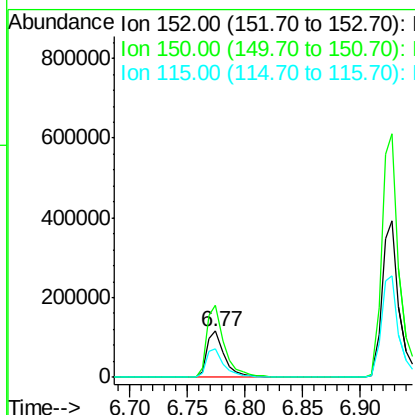
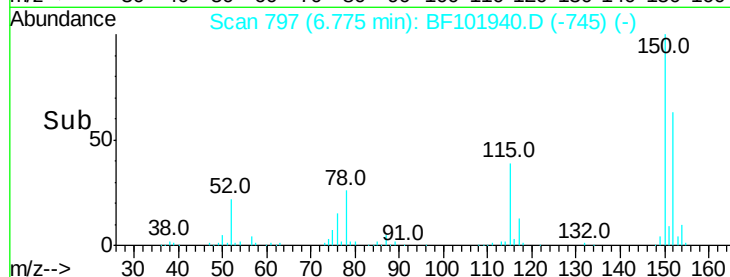
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.77 min Scan# 797  
Delta R.T. 0.01 min  
Lab File: BF101940.D  
Acq: 5 Jan 2018 19:56

Instrument :  
BNA\_F  
ClientSampleId :  
OWS-2

Tot Ion:152 Resp: 124919  
Ion Ratio Lower Upper  
152 100  
150 157.9 124.6 186.8  
115 61.3 50.1 75.1



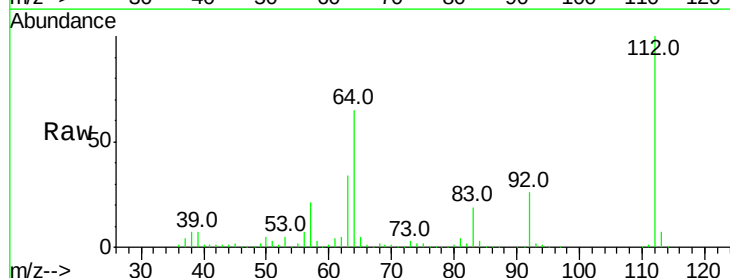
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



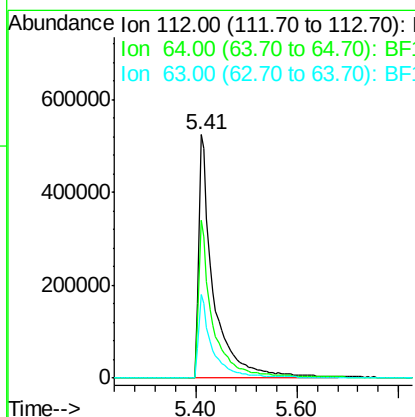
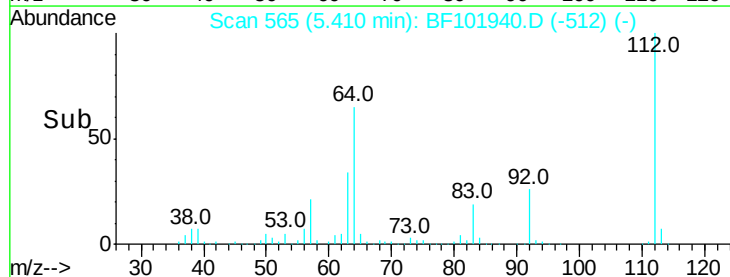
#5

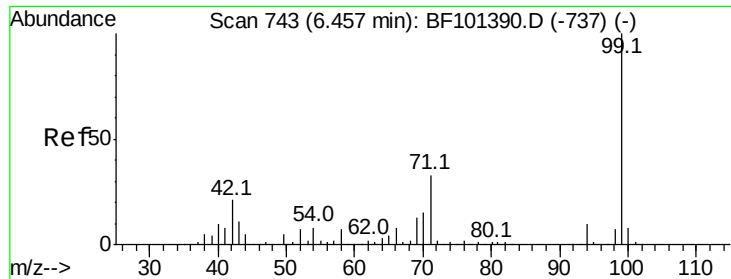
2-Fluorophenol  
Concen: 126.808 ng  
RT: 5.41 min Scan# 565  
Delta R.T. 0.01 min  
Lab File: BF101940.D  
Acq: 5 Jan 2018 19:56

Tgt Ion:112 Resp: 1063440  
Ion Ratio Lower Upper  
112 100  
64 65.0 47.9 71.9  
63 34.3 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: 110.825 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.00 min

Lab File: BF101940.D

Acq: 5 Jan 2018 19:56

Instrument :

BNA\_F

ClientSampleId :

OWS-2

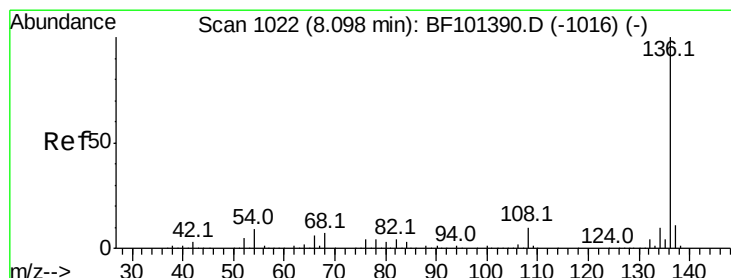
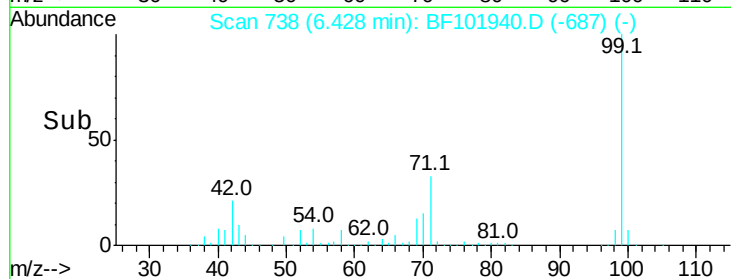
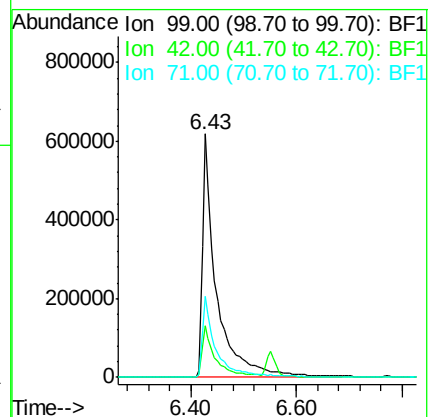
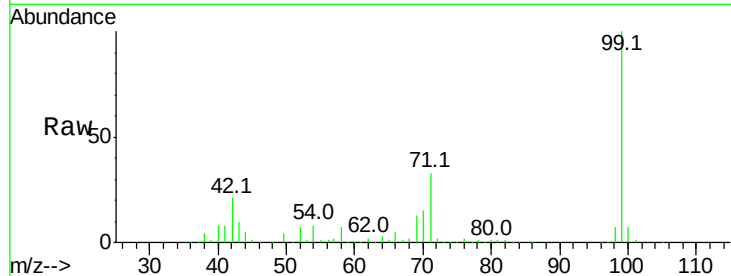
Tot Ion: 99 Resp: 1156671

Ion Ratio Lower Upper

99 100

42 21.4 14.5 21.7

71 33.5 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. 0.01 min

Lab File: BF101940.D

Acq: 5 Jan 2018 19:56

Tgt Ion: 136 Resp: 458500

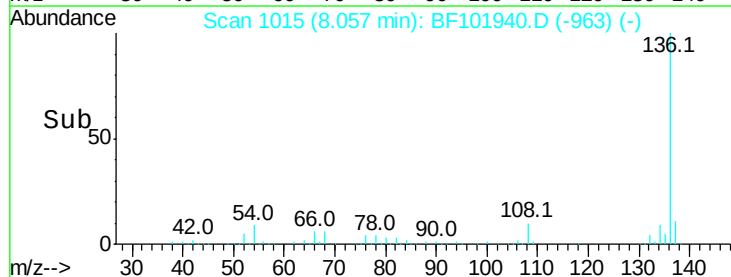
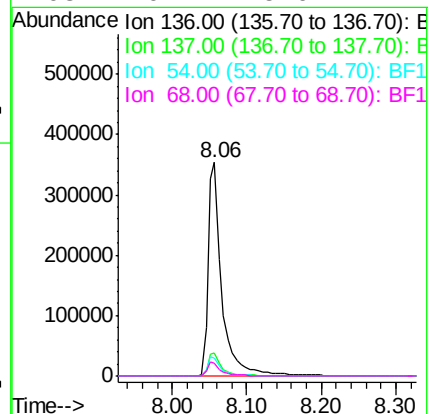
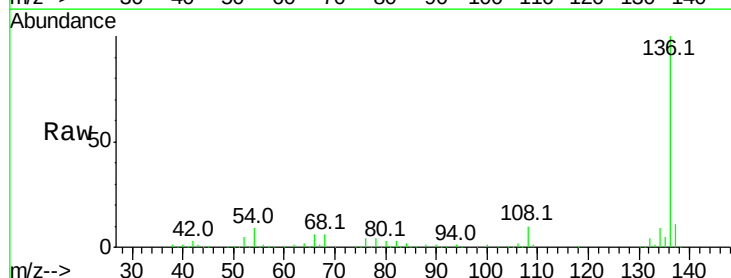
Ion Ratio Lower Upper

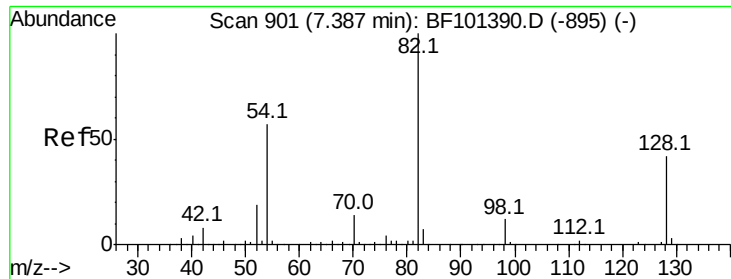
136 100

137 11.0 8.9 13.3

54 8.6 6.6 9.8

68 6.2 5.0 7.4

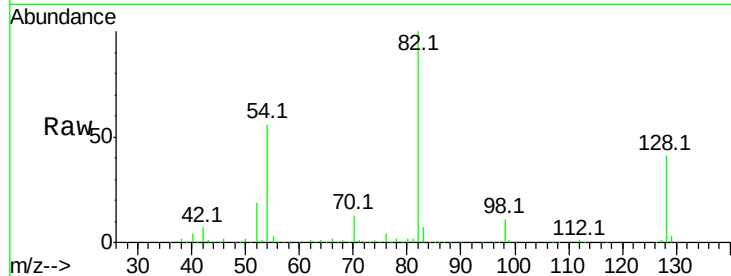




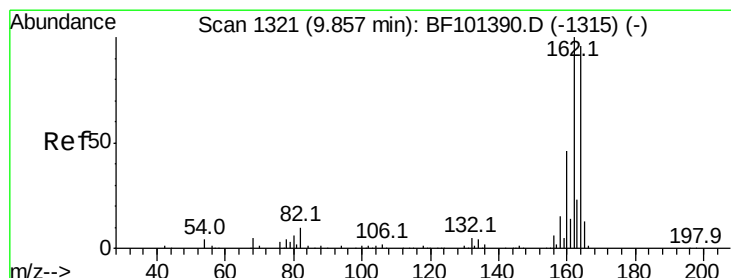
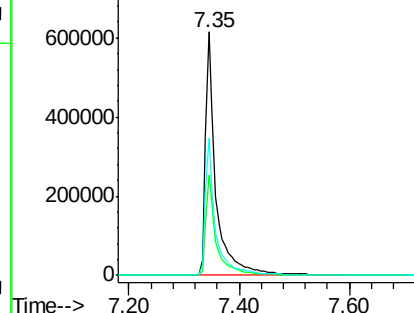
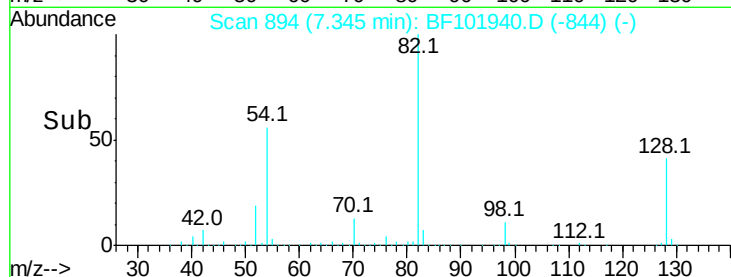
#23  
 Nitrobenzene-d5  
 Concen: 98.794 ng  
 RT: 7.35 min Scan# 894  
 Delta R.T. -0.01 min  
 Lab File: BF101940.D  
 Acq: 5 Jan 2018 19:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OWS-2

Tot Ion: 82 Resp: 813733  
 Ion Ratio Lower Upper  
 82 100  
 128 41.1 36.1 54.1  
 54 56.2 41.4 62.2

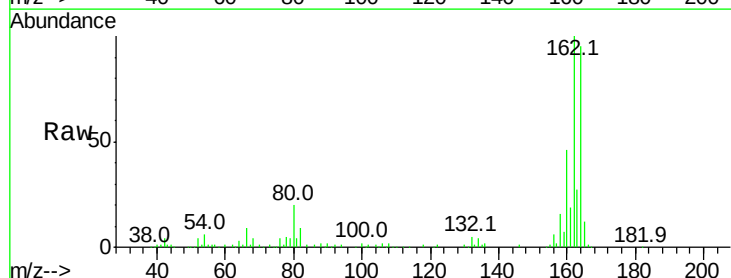


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

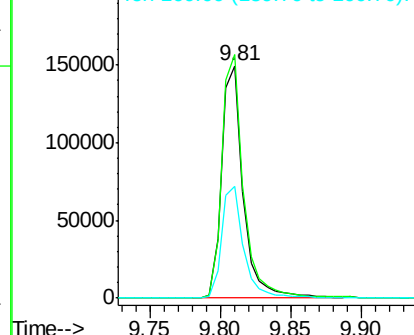
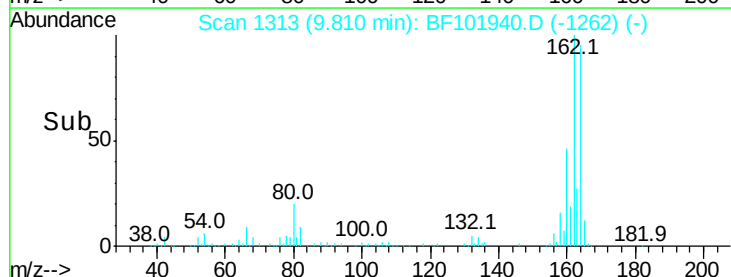


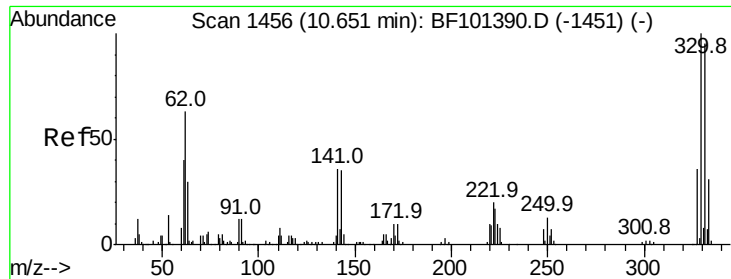
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.81 min Scan# 1313  
 Delta R.T. -0.00 min  
 Lab File: BF101940.D  
 Acq: 5 Jan 2018 19:56

Tgt Ion:164 Resp: 159115  
 Ion Ratio Lower Upper  
 164 100  
 162 104.9 86.1 129.1  
 160 48.0 38.3 57.5



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

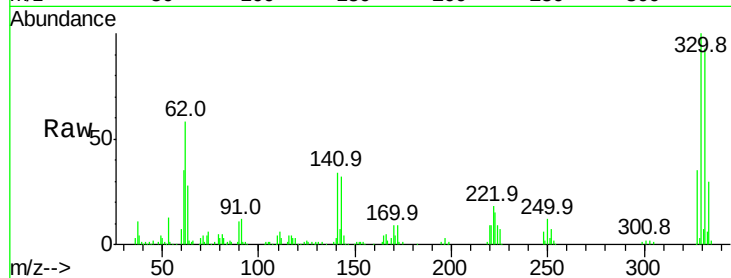




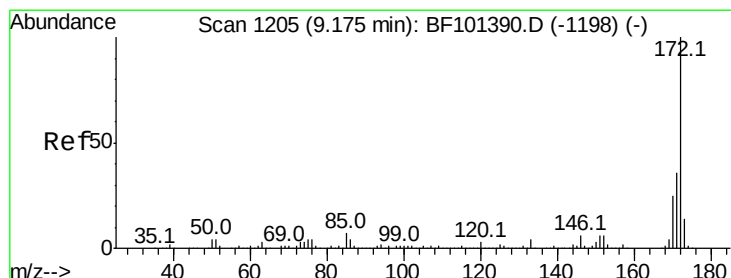
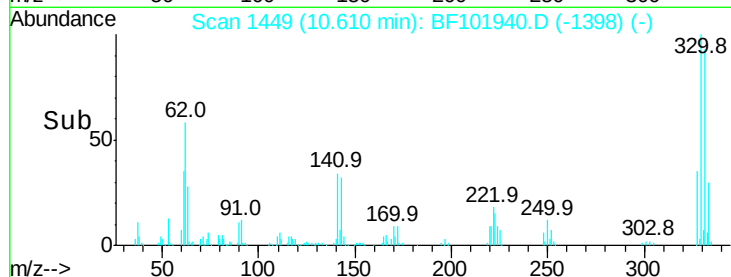
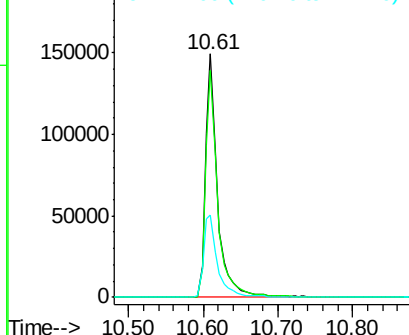
#41  
 2,4,6-Tribromophenol  
 Concen: 109.725 ng  
 RT: 10.61 min Scan# 1449  
 Delta R.T. -0.00 min  
 Lab File: BF101940.D  
 Acq: 5 Jan 2018 19:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OWS-2

Tot Ion:330 Resp: 168230  
 Ion Ratio Lower Upper  
 330 100  
 332 94.9 77.0 115.6  
 141 40.3 29.9 44.9

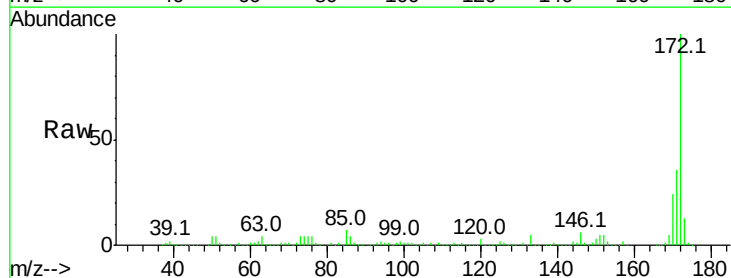


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

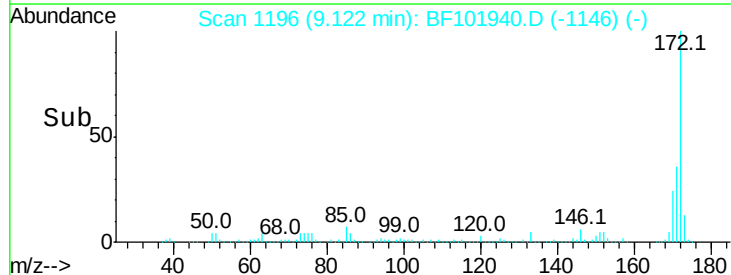
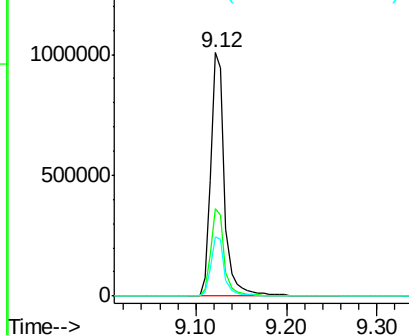


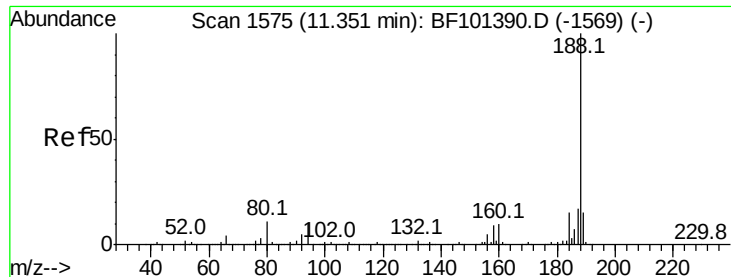
#44  
 2-Fluorobiphenyl  
 Concen: 106.135 ng  
 RT: 9.12 min Scan# 1196  
 Delta R.T. -0.01 min  
 Lab File: BF101940.D  
 Acq: 5 Jan 2018 19:56

Tgt Ion:172 Resp: 1088653  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 29.7 44.5  
 170 24.4 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

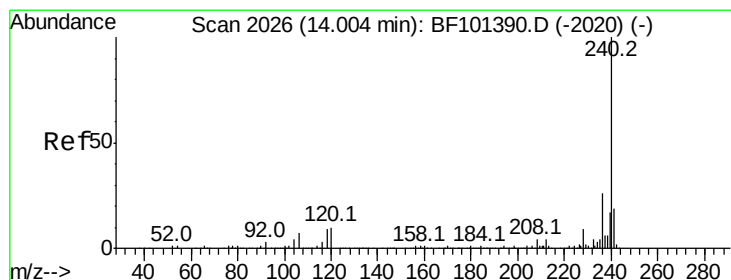
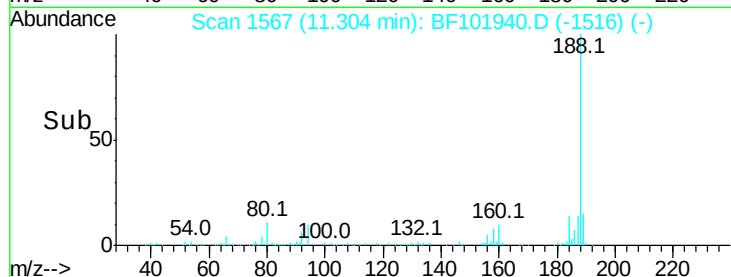
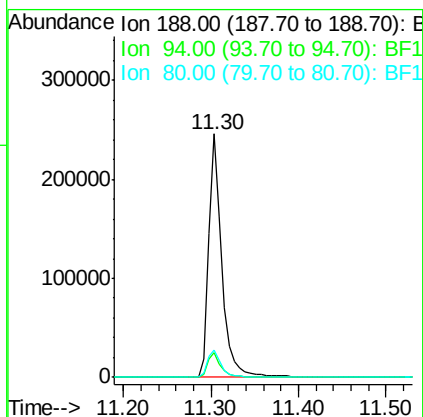
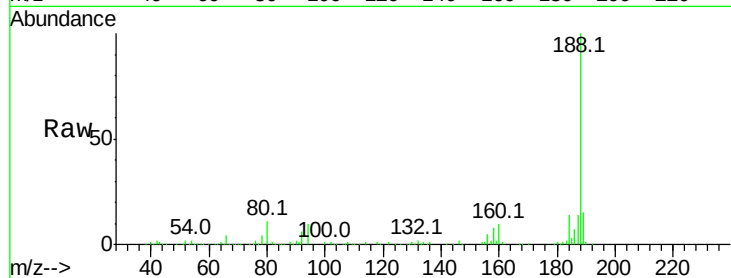




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.30 min Scan# 1567  
Delta R.T. -0.00 min  
Lab File: BF101940.D  
Acq: 5 Jan 2018 19:56

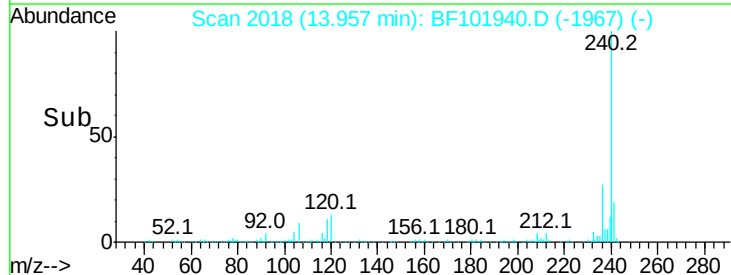
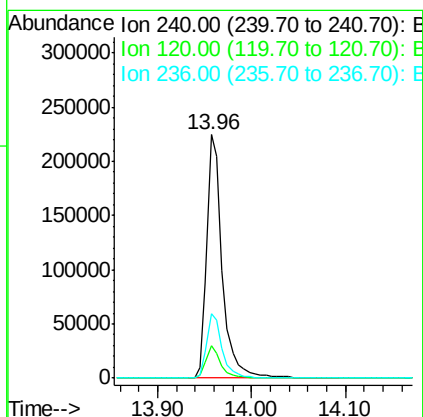
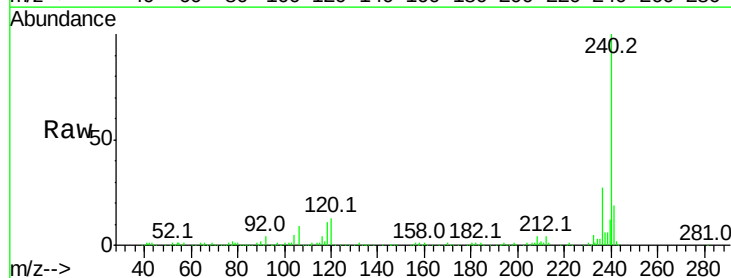
Instrument :  
BNA\_F  
ClientSampleId :  
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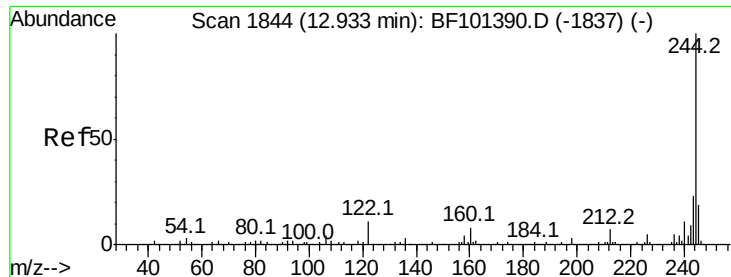
Tot Ion:188 Resp: 257161  
Ion Ratio Lower Upper  
188 100  
94 10.3 8.5 12.7  
80 11.0 9.2 13.8



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.96 min Scan# 2018  
Delta R.T. -0.00 min  
Lab File: BF101940.D  
Acq: 5 Jan 2018 19:56

Tgt Ion:240 Resp: 261587  
Ion Ratio Lower Upper  
240 100  
120 13.4 9.5 14.3  
236 26.7 20.7 31.1





#78

Terphenyl-d14

Concen: 78.878 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BF101940.D

Acq: 5 Jan 2018 19:56

Instrument :

BNA\_F

ClientSampleId :

OWS-2

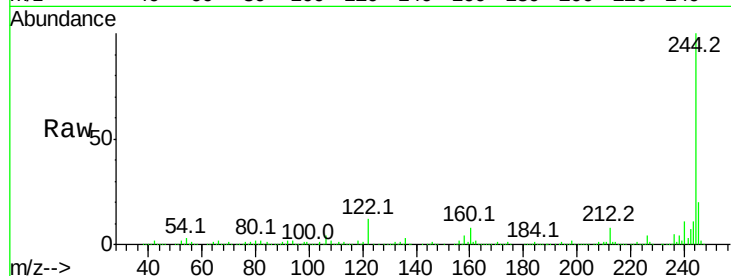
Tot Ion:244 Resp: 855886

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

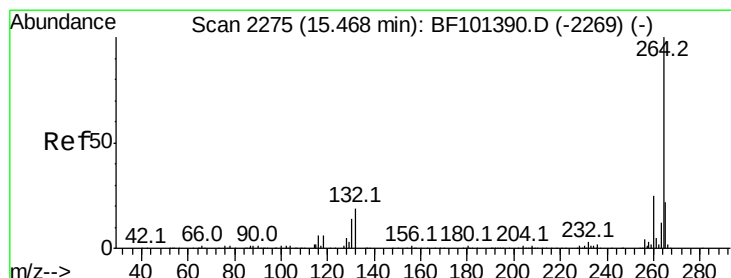
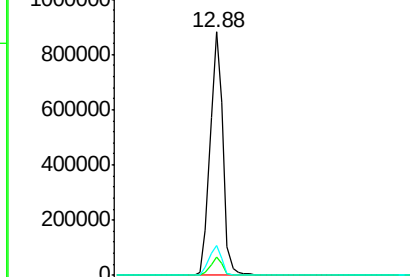
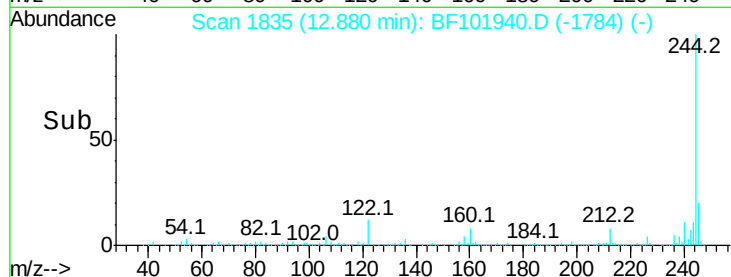
122 12.5 11.0 16.4



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: 15.43 min Scan# 2269

Delta R.T. 0.01 min

Lab File: BF101940.D

Acq: 5 Jan 2018 19:56

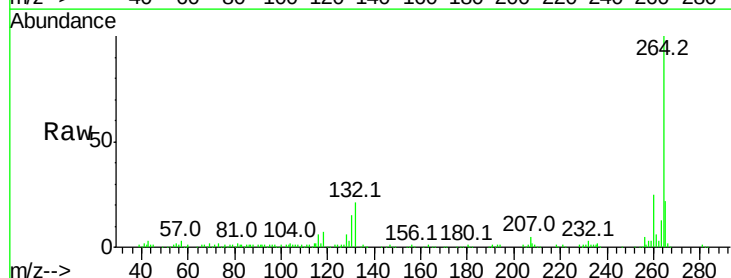
Tgt Ion:264 Resp: 197430

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

265 21.9 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

