

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\  
 Data File : BF108332.D  
 Acq On : 21 Aug 2018 12:10  
 Operator : JU/SJ  
 Sample : J4521-06  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHRT26100

Quant Time: Aug 21 12:59:45 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 08 12:24:24 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.01  | 152  | 161784   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.29  | 136  | 600822   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 10.05 | 164  | 313290   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.55 | 188  | 665319   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.20 | 240  | 529613   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.75 | 264  | 352957   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.65  | 112  | 1023796  | 114.57 | ng    | 0.02     |
| 7) Phenol-d6                | 6.63  | 99   | 1214187  | 102.25 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.57  | 82   | 1023057  | 95.02  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.85 | 330  | 495766   | 158.65 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.37  | 172  | 1880828  | 96.38  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.14 | 244  | 2309767  | 110.89 | ng    | -0.01    |

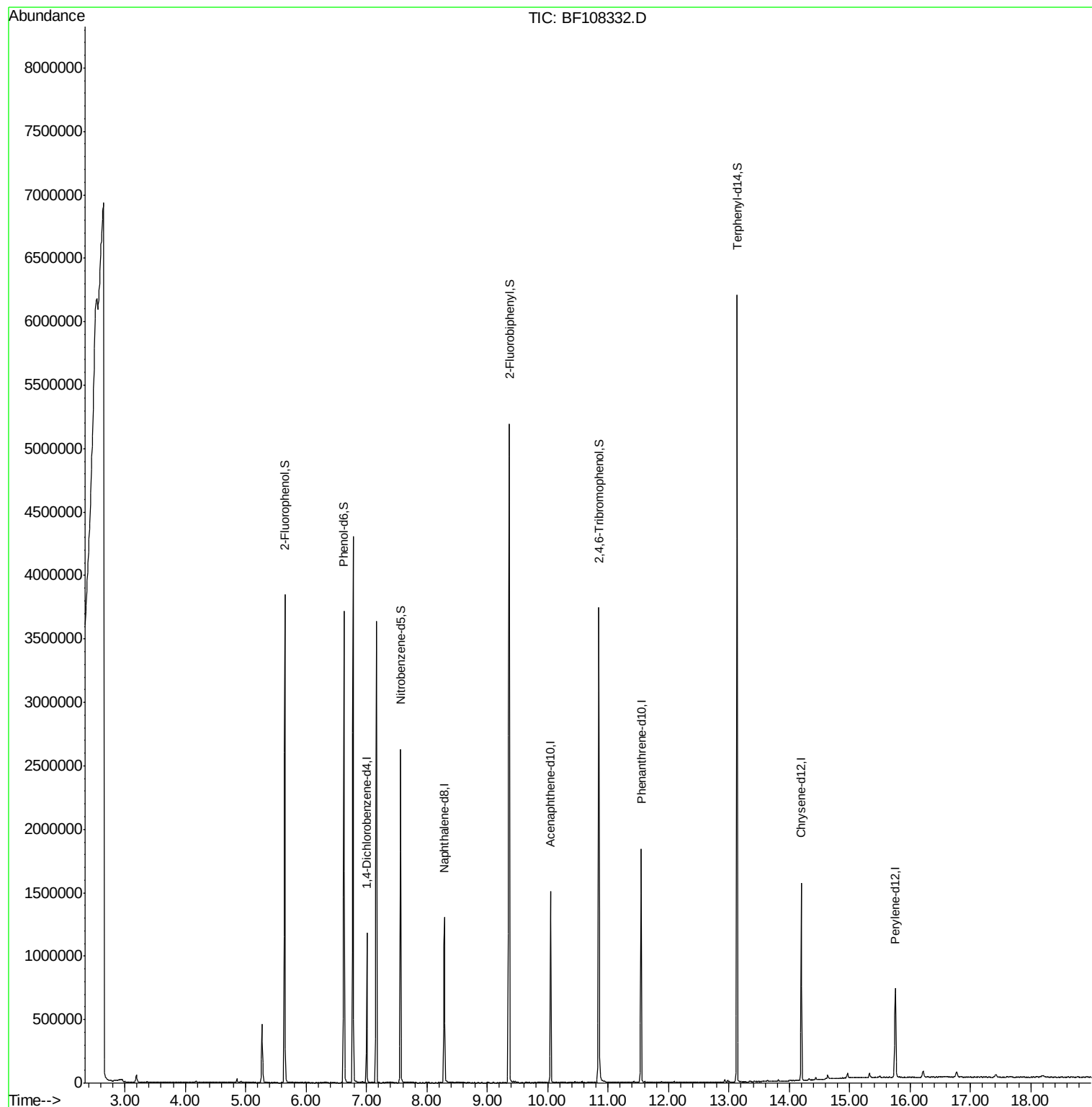
Target Compounds Qvalue

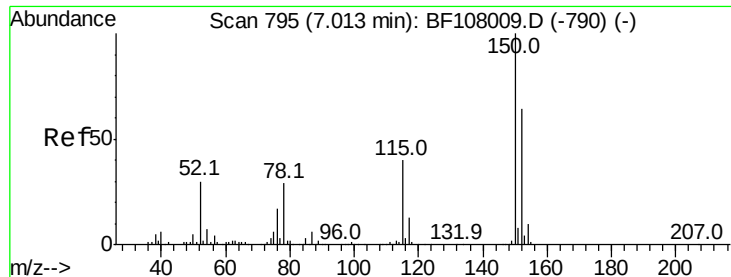
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : J4521-06  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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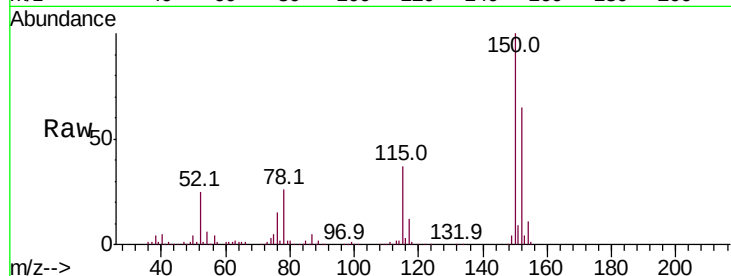


#1

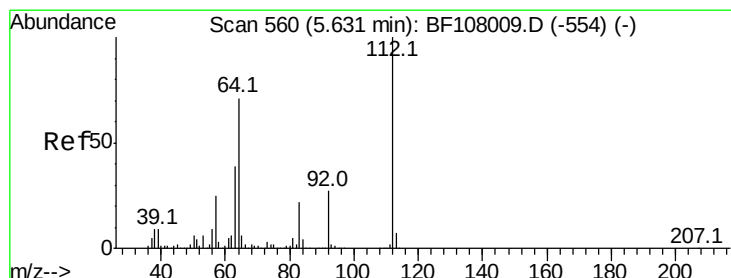
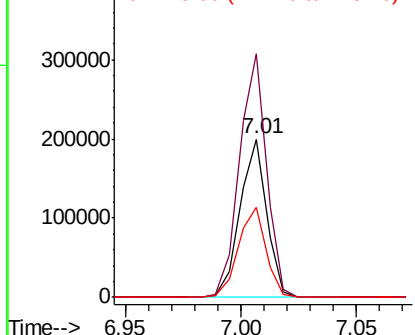
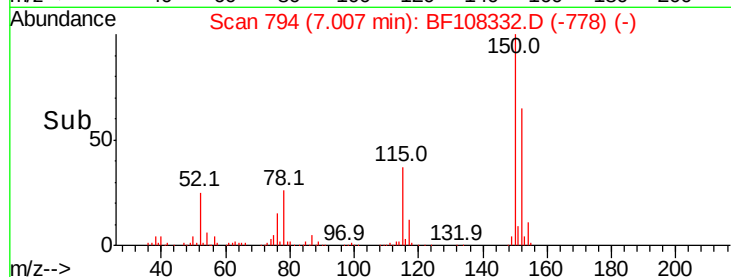
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.01 min Scan# 794  
Delta R.T. -0.01 min  
Lab File: BF108332.D  
Acq: 21 Aug 2018 12:10

Instrument :  
BNA\_F  
ClientSampleId :  
CHRT26100

Tot Ion:152 Resp: 161784  
Ion Ratio Lower Upper  
152 100  
150 154.0 124.6 186.8  
115 57.0 50.1 75.1



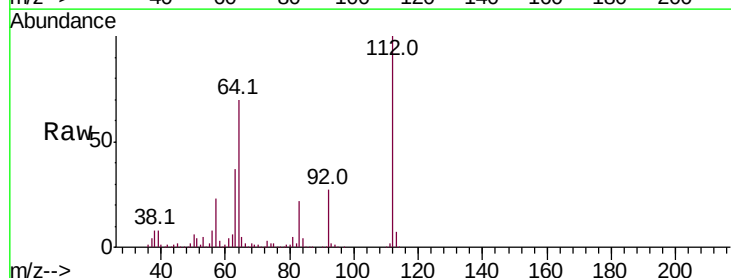
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



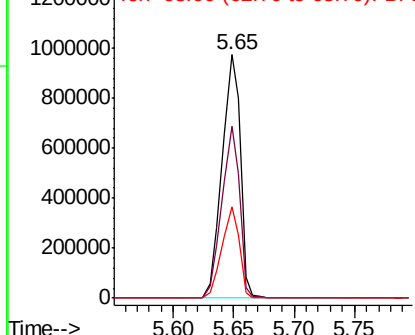
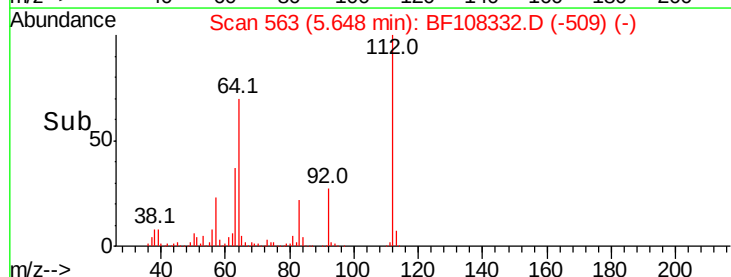
#5

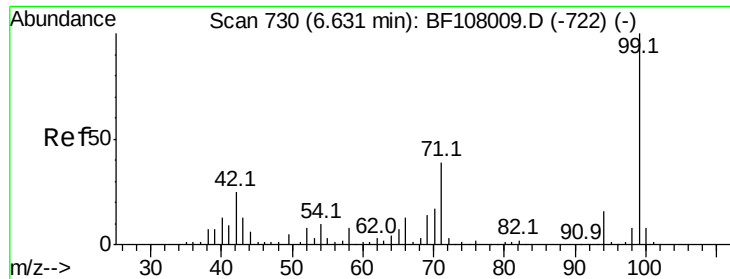
2-Fluorophenol  
Concen: 114.569 ng  
RT: 5.65 min Scan# 563  
Delta R.T. 0.02 min  
Lab File: BF108332.D  
Acq: 21 Aug 2018 12:10

Tgt Ion:112 Resp: 1023796  
Ion Ratio Lower Upper  
112 100  
64 70.4 47.9 71.9  
63 37.3 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: 102.248 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF108332.D

Acq: 21 Aug 2018 12:10

Instrument :

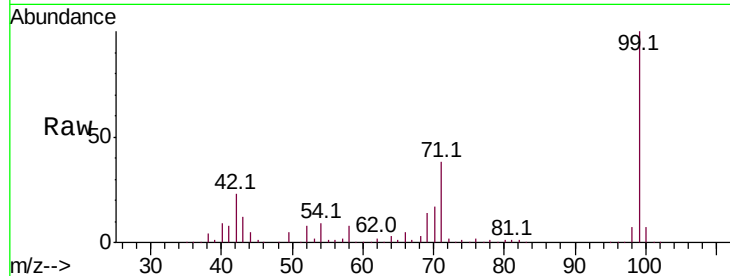
BNA\_F

ClientSampleId :

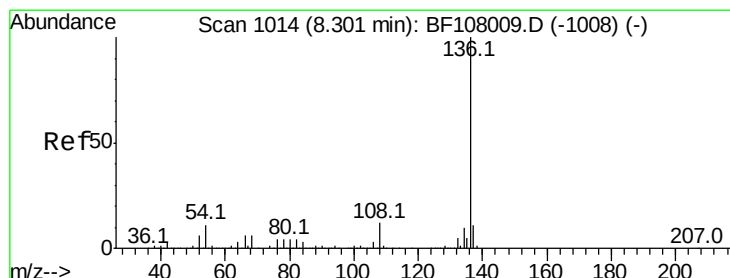
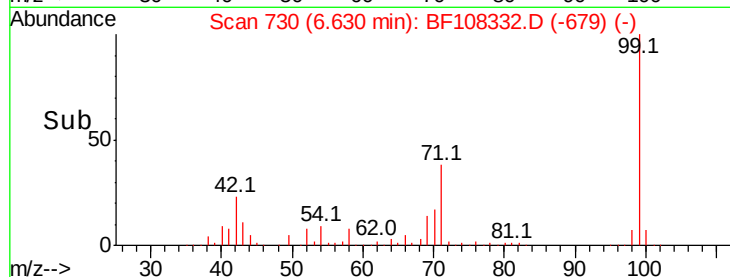
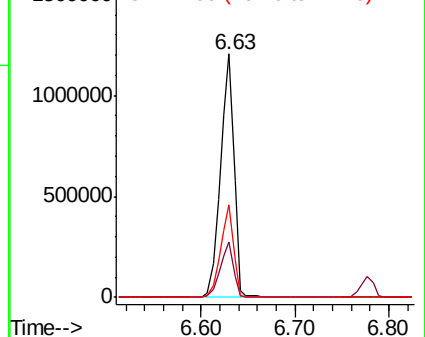
CHRT26100

Tot Ion: 99 Resp: 1214187

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 22.9  | 14.5  | 21.7# |
| 71  | 38.0  | 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: 8.29 min Scan# 1012

Delta R.T. -0.01 min

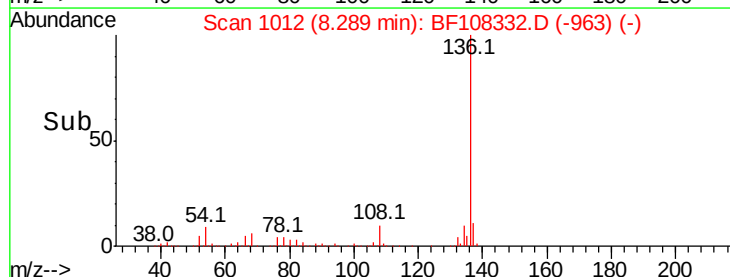
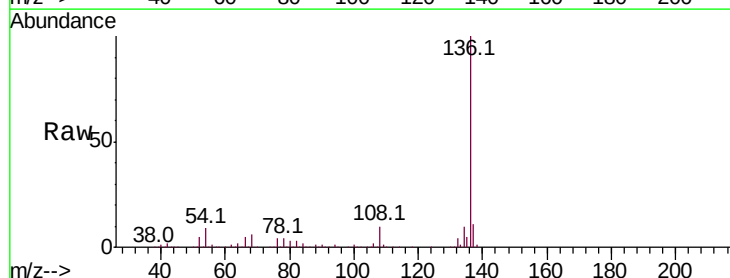
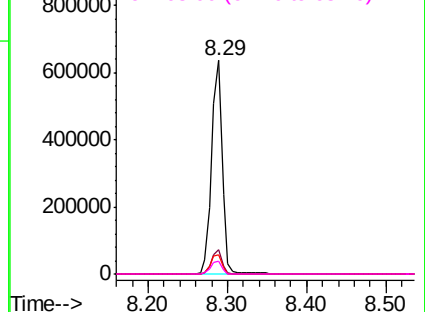
Lab File: BF108332.D

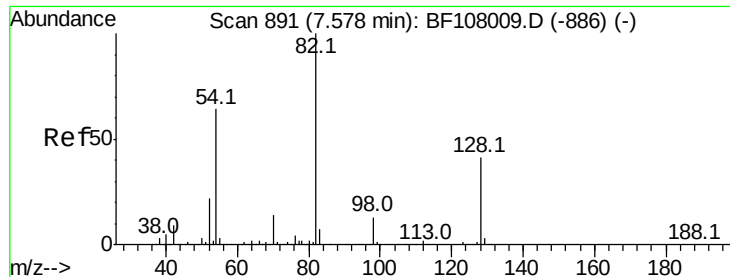
Acq: 21 Aug 2018 12:10

Tgt Ion: 136 Resp: 600822

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 8.9   | 13.3  |
| 54  | 9.0   | 6.6   | 9.8   |
| 68  | 5.7   | 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

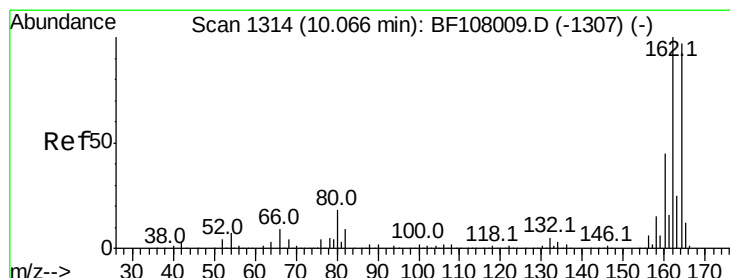
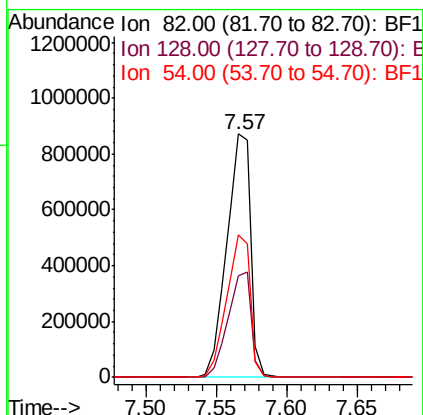
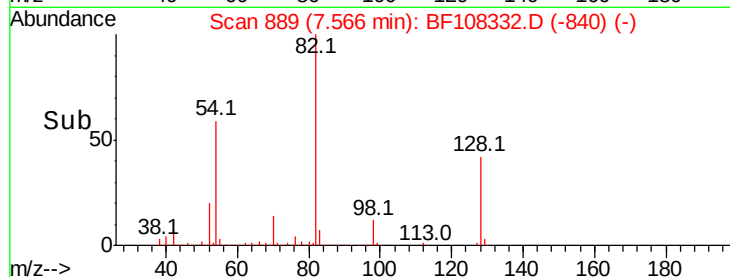
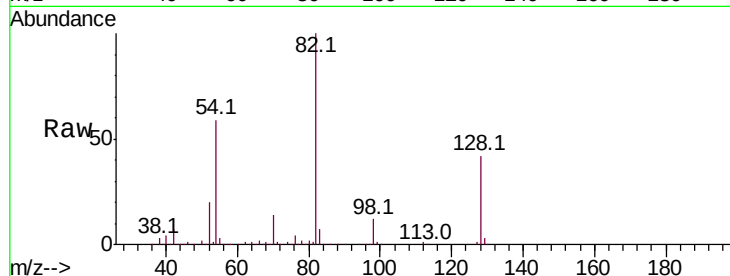




#23  
 Nitrobenzene-d5  
 Concen: 95.017 ng  
 RT: 7.57 min Scan# 889  
 Delta R.T. -0.01 min  
 Lab File: BF108332.D  
 Acq: 21 Aug 2018 12:10

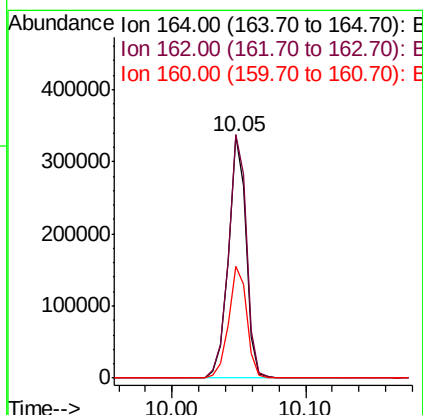
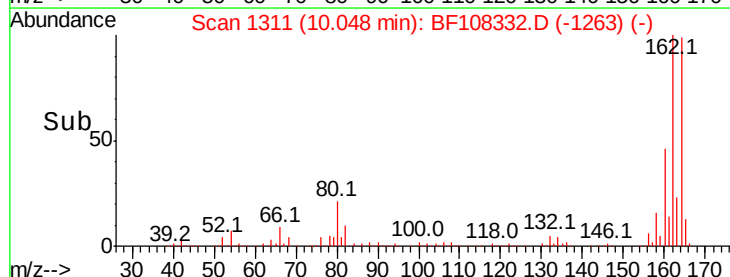
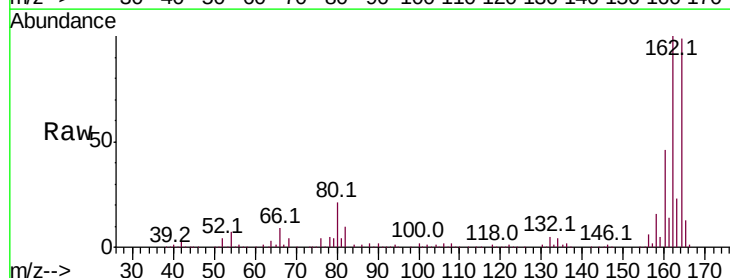
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHRT26100

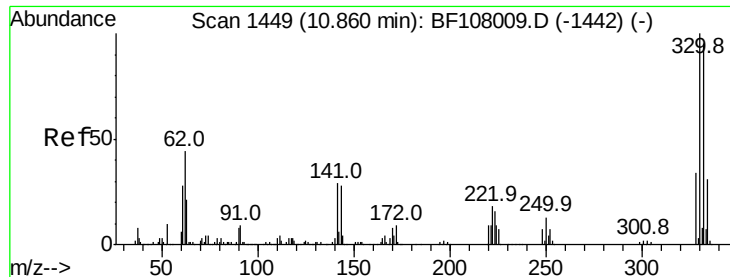
Tot Ion: 82 Resp: 1023057  
 Ion Ratio Lower Upper  
 82 100  
 128 41.7 36.1 54.1  
 54 58.5 41.4 62.2



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.05 min Scan# 1311  
 Delta R.T. -0.02 min  
 Lab File: BF108332.D  
 Acq: 21 Aug 2018 12:10

Tgt Ion: 164 Resp: 313290  
 Ion Ratio Lower Upper  
 164 100  
 162 100.7 86.1 129.1  
 160 46.3 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 158.646 ng

RT: 10.85 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF108332.D

Acq: 21 Aug 2018 12:10

Instrument :

BNA\_F

ClientSampleId :

CHRT26100

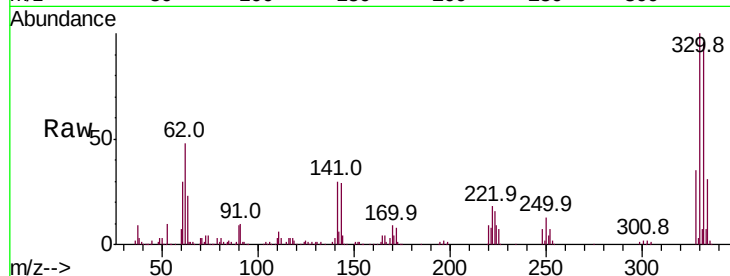
Tot Ion:330 Resp: 495766

Ion Ratio Lower Upper

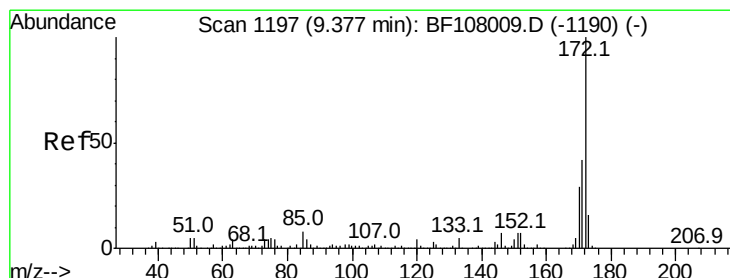
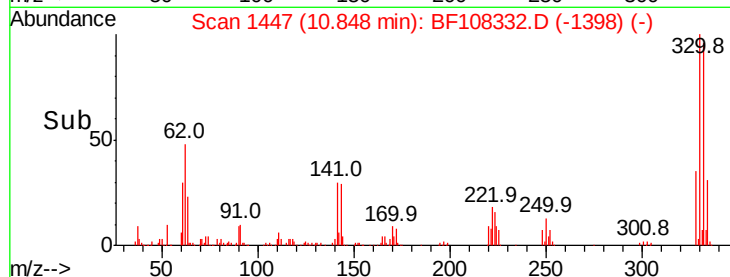
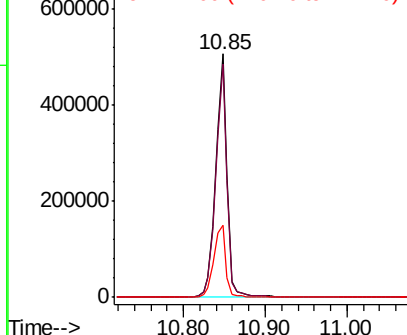
330 100

332 95.9 77.0 115.6

141 31.5 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: 96.384 ng

RT: 9.37 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BF108332.D

Acq: 21 Aug 2018 12:10

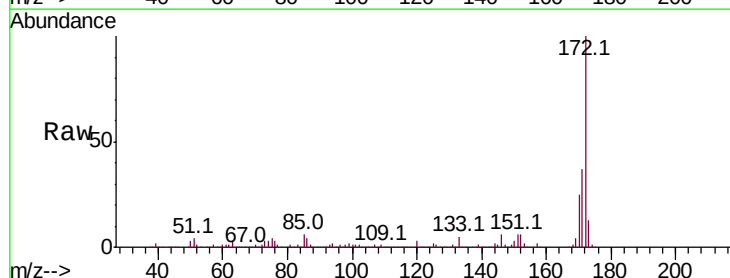
Tgt Ion:172 Resp: 1880828

Ion Ratio Lower Upper

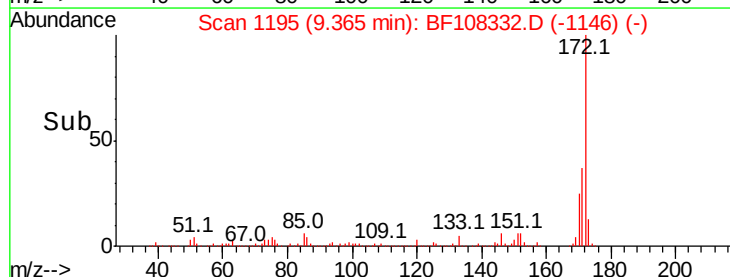
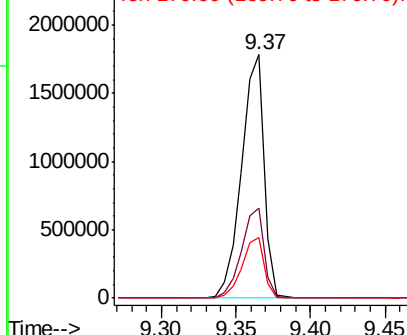
172 100

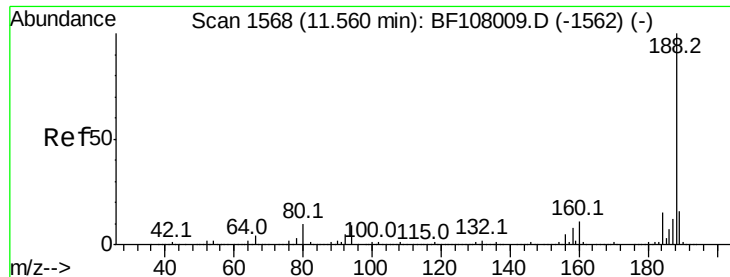
171 36.9 29.7 44.5

170 24.7 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

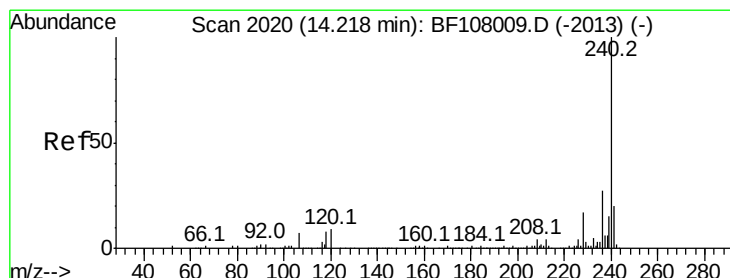
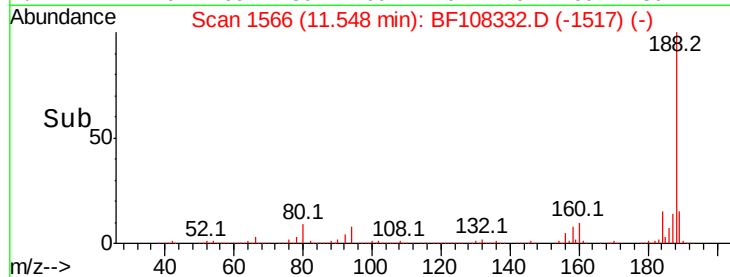
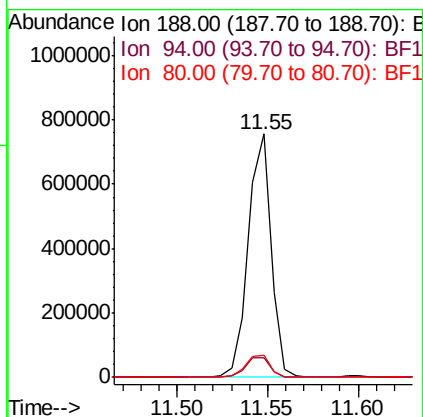
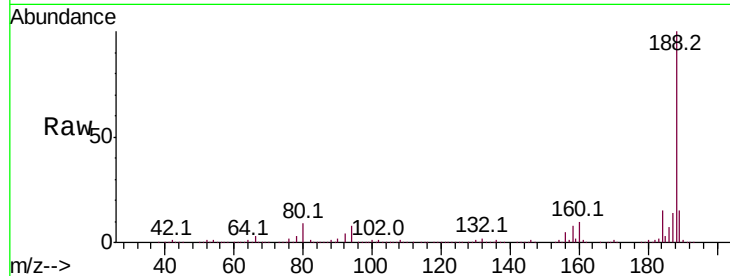




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.55 min Scan# 1566  
 Delta R.T. -0.01 min  
 Lab File: BF108332.D  
 Acq: 21 Aug 2018 12:10

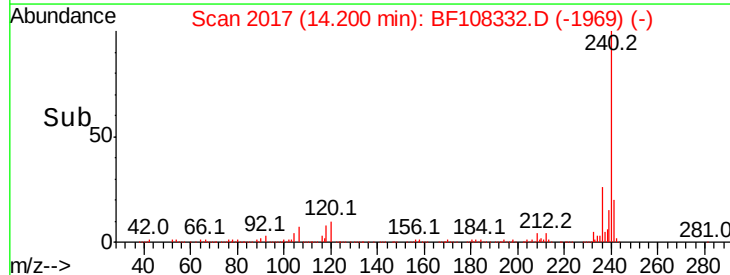
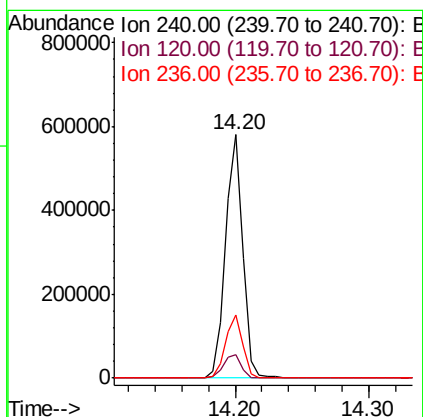
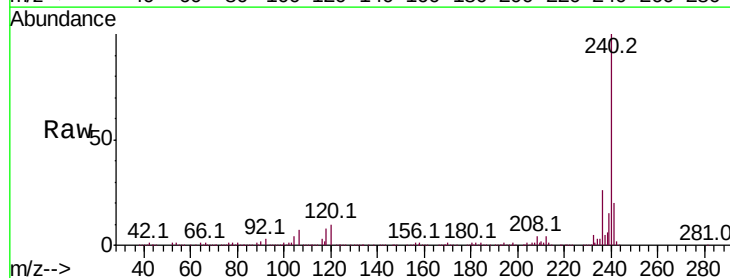
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHRT26100

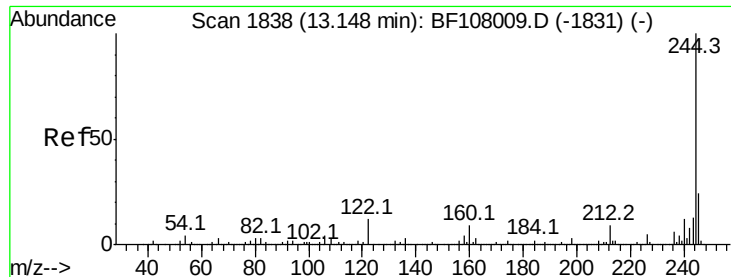
Tot Ion:188 Resp: 665319  
 Ion Ratio Lower Upper  
 188 100  
 94 8.1 8.5 12.7#  
 80 9.1 9.2 13.8#



#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.20 min Scan# 2017  
 Delta R.T. -0.02 min  
 Lab File: BF108332.D  
 Acq: 21 Aug 2018 12:10

Tgt Ion:240 Resp: 529613  
 Ion Ratio Lower Upper  
 240 100  
 120 9.9 9.5 14.3  
 236 26.2 20.7 31.1





#78

Terphenyl-d14

Concen: 110.887 ng

RT: 13.14 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF108332.D

Acq: 21 Aug 2018 12:10

Instrument :

BNA\_F

ClientSampleId :

CHRT26100

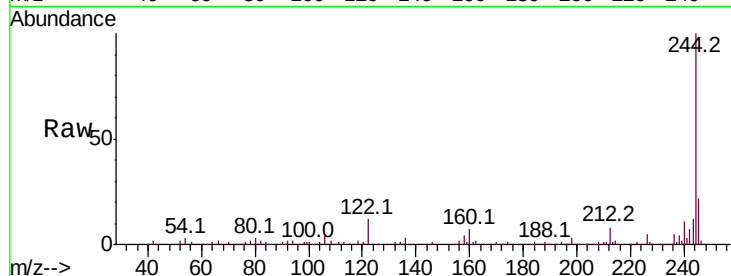
Tot Ion:244 Resp: 2309767

Ion Ratio Lower Upper

244 100

212 8.1 5.4 8.0#

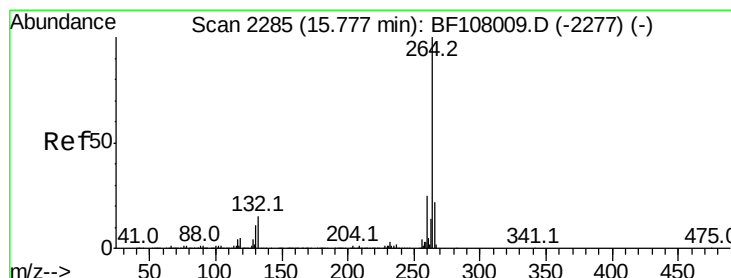
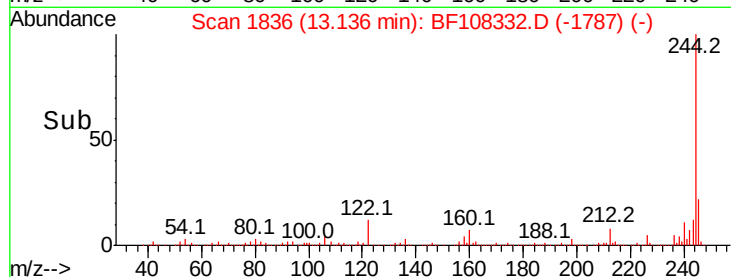
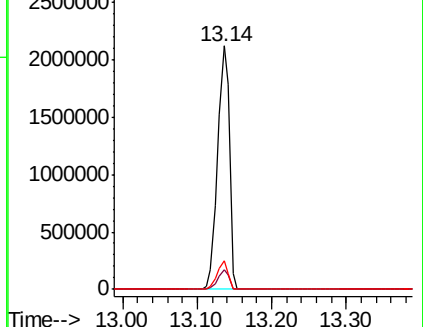
122 11.9 11.0 16.4



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: 15.75 min Scan# 2281

Delta R.T. -0.02 min

Lab File: BF108332.D

Acq: 21 Aug 2018 12:10

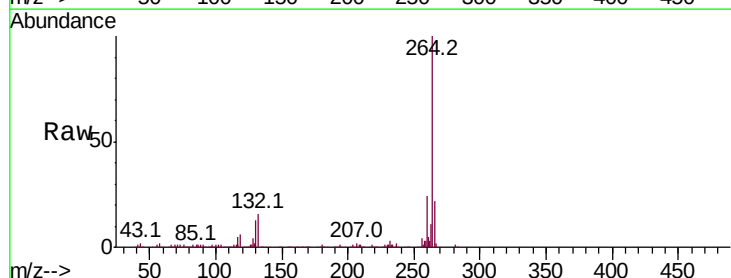
Tgt Ion:264 Resp: 352957

Ion Ratio Lower Upper

264 100

260 23.8 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

