

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\  
 Data File : BF111570.D  
 Acq On : 18 Dec 2018 6:32  
 Operator : JU/SJ  
 Sample : J6403-52  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-7-A

Quant Time: Dec 18 07:28:45 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 14 13:26:17 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.79  | 152  | 141090   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.07  | 136  | 547788   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.82  | 164  | 224397   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.30 | 188  | 345127   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 13.94 | 240  | 371180   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 15.38 | 264  | 286983   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.43  | 112  | 1045186  | 123.27 | ng    | 0.02     |
| 7) Phenol-d6                | 6.44  | 99   | 1217435  | 107.95 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.35  | 82   | 902020   | 98.06  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.62 | 330  | 246851   | 122.80 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.15  | 172  | 1616592  | 111.28 | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.89 | 244  | 1133456  | 71.71  | ng    | 0.00     |

Target Compounds Qvalue

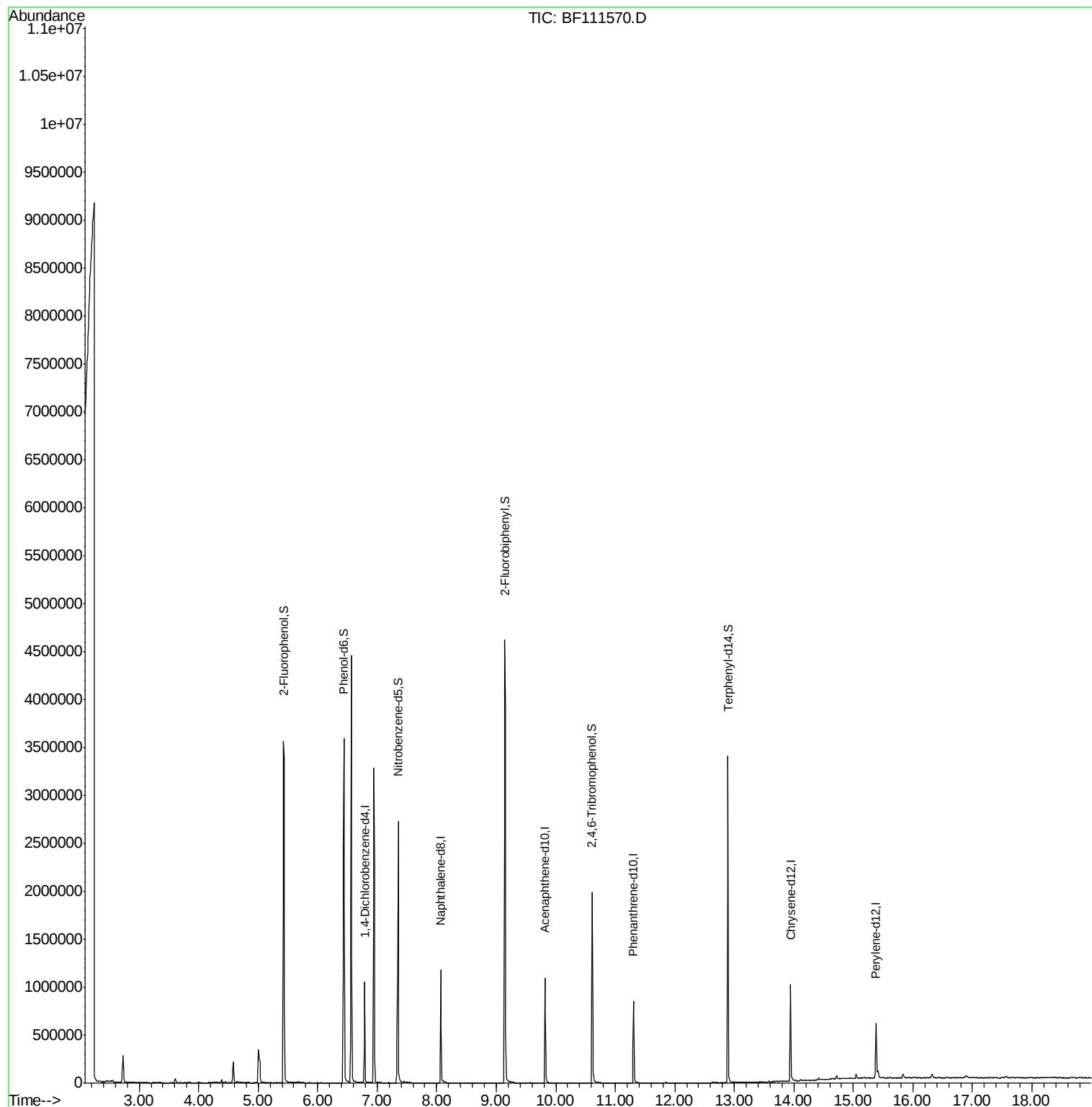
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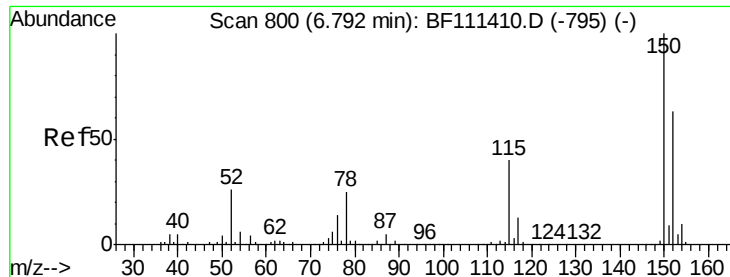
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\  
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ALS Vial : 29 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 14 13:26:17 2018  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF111570.D

Acq: 18 Dec 2018 6:32

Instrument :

BNA\_F

ClientSampleId :

TP-7-A

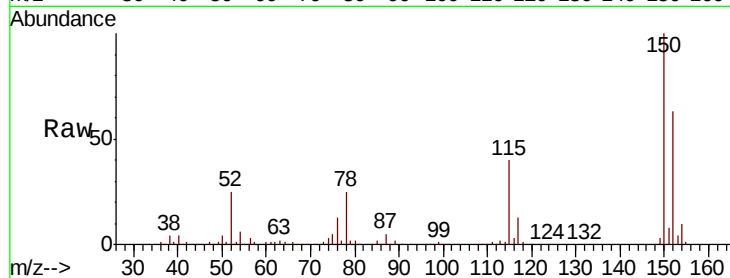
Tot Ion:152 Resp: 141090

Ion Ratio Lower Upper

152 100

150 159.4 126.6 189.8

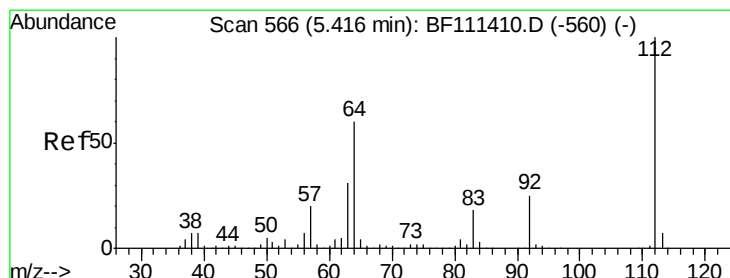
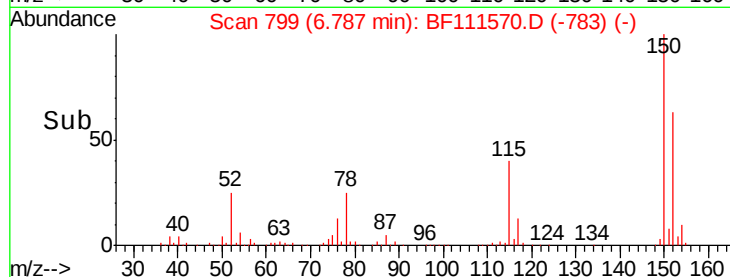
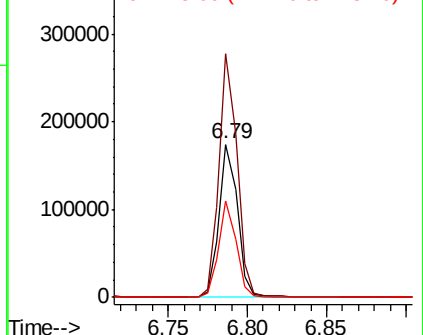
115 63.5 50.7 76.1



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: 123.273 ng

RT: 5.43 min Scan# 569

Delta R.T. 0.02 min

Lab File: BF111570.D

Acq: 18 Dec 2018 6:32

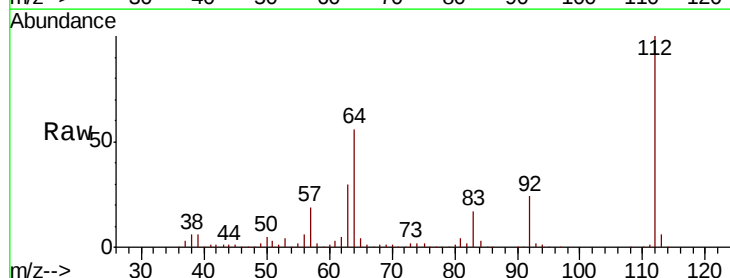
Tgt Ion:112 Resp: 1045186

Ion Ratio Lower Upper

112 100

64 56.1 51.8 77.6

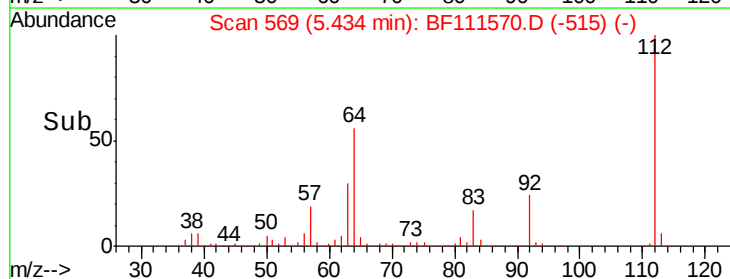
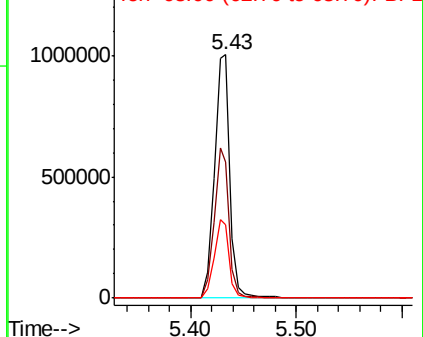
63 29.9 26.8 40.2



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: 107.947 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111570.D

Acq: 18 Dec 2018 6:32

Instrument :

BNA\_F

ClientSampleId :

TP-7-A

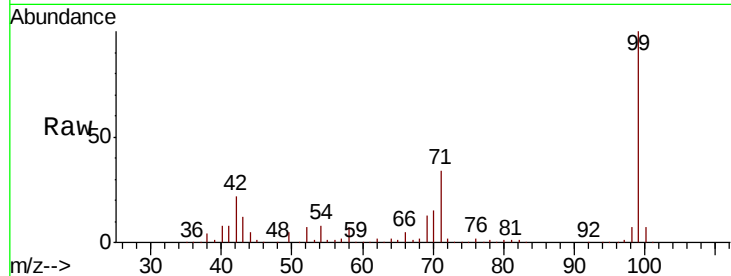
Tot Ion: 99 Resp: 1217435

Ion Ratio Lower Upper

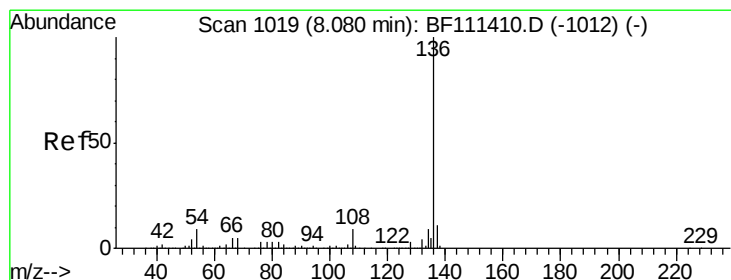
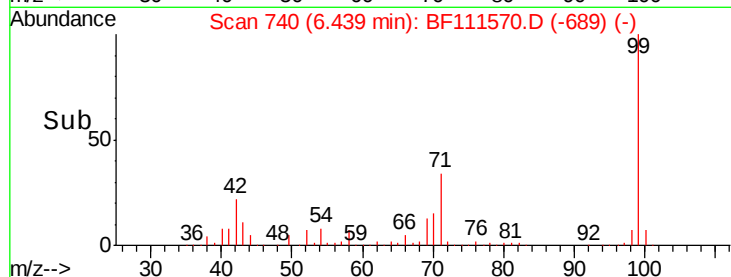
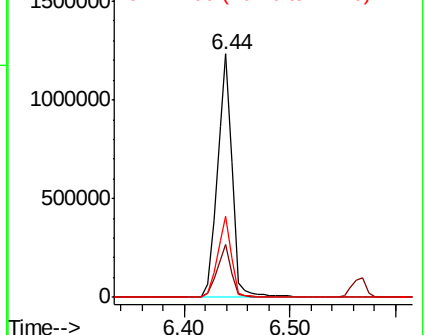
99 100

42 21.6 17.4 26.0

71 33.5 26.1 39.1



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: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF111570.D

Acq: 18 Dec 2018 6:32

Tgt Ion: 136 Resp: 547788

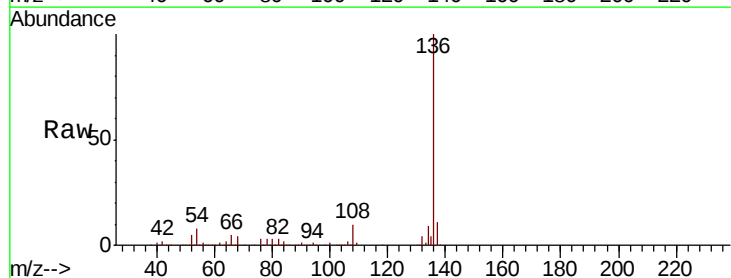
Ion Ratio Lower Upper

136 100

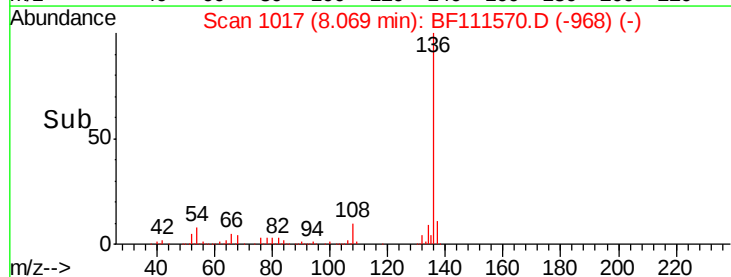
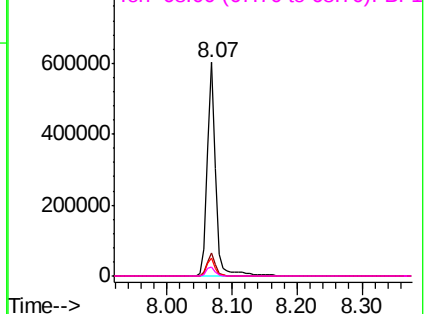
137 10.7 9.1 13.7

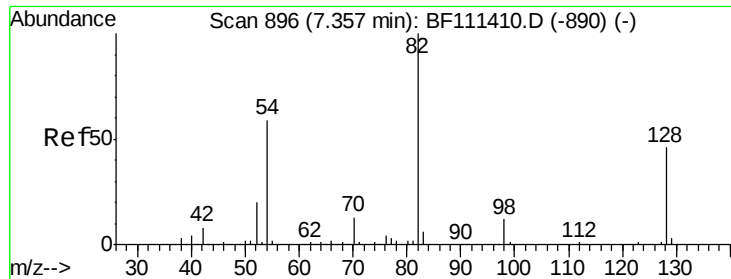
54 8.3 7.7 11.5

68 4.3 4.9 7.3#



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

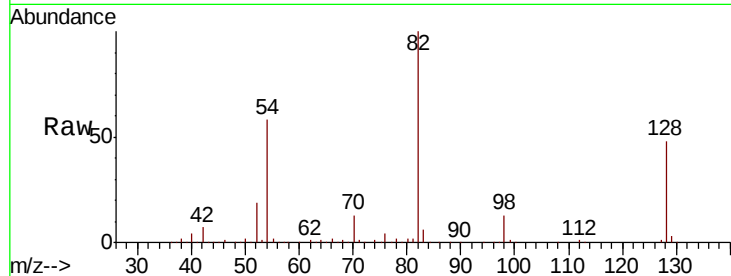




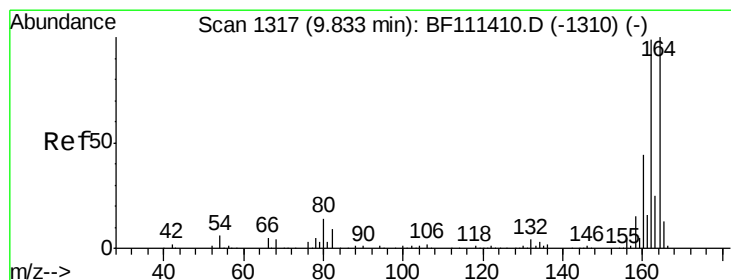
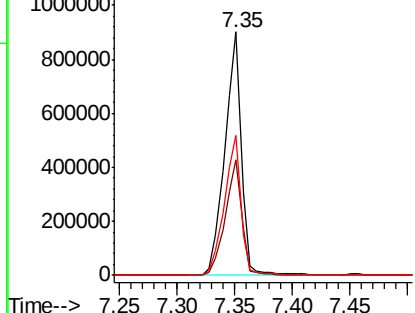
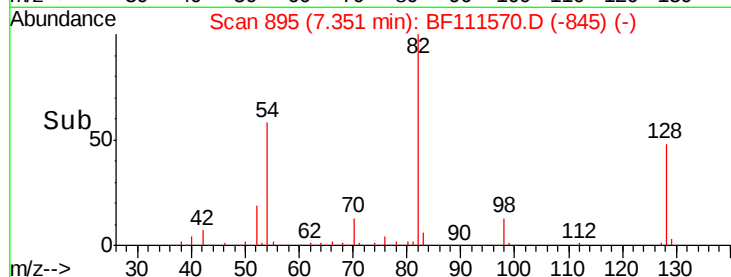
#23  
 Nitrobenzene-d5  
 Concen: 98.056 ng  
 RT: 7.35 min Scan# 895  
 Delta R.T. -0.01 min  
 Lab File: BF111570.D  
 Acq: 18 Dec 2018 6:32

Instrument :  
 BNA\_F  
 ClientSampleID :  
 TP-7-A

Tot Ion: 82 Resp: 902020  
 Ion Ratio Lower Upper  
 82 100  
 128 47.6 37.4 56.2  
 54 57.7 47.6 71.4

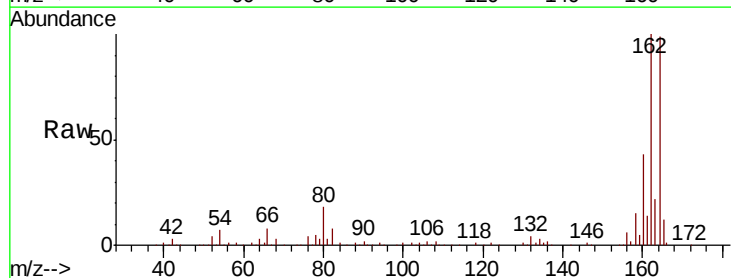


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

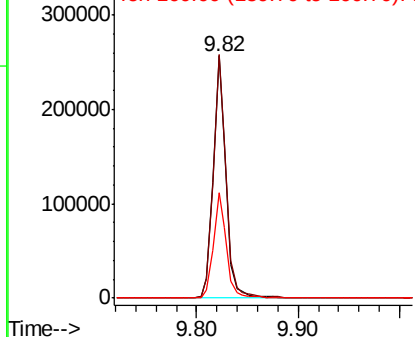
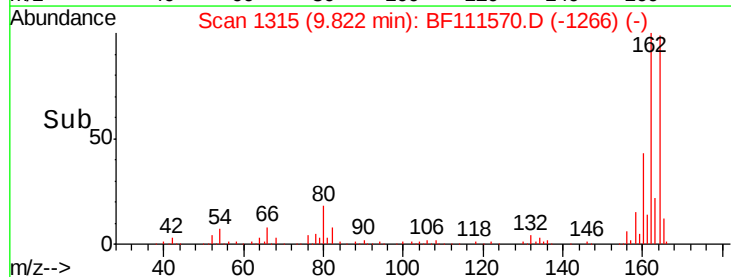


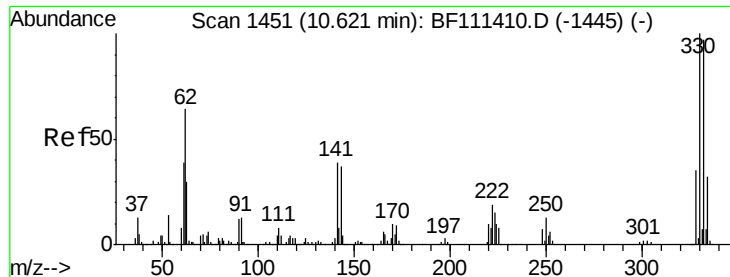
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.82 min Scan# 1315  
 Delta R.T. -0.01 min  
 Lab File: BF111570.D  
 Acq: 18 Dec 2018 6:32

Tgt Ion: 164 Resp: 224397  
 Ion Ratio Lower Upper  
 164 100  
 162 100.5 81.4 122.0  
 160 43.5 35.7 53.5



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

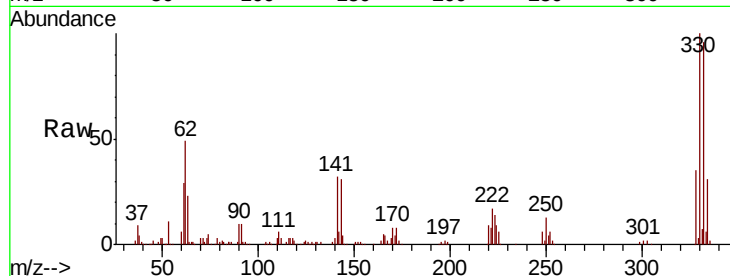




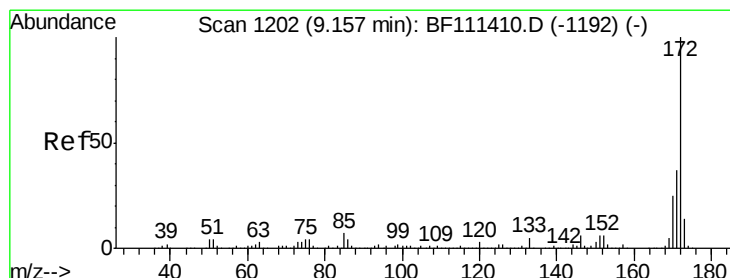
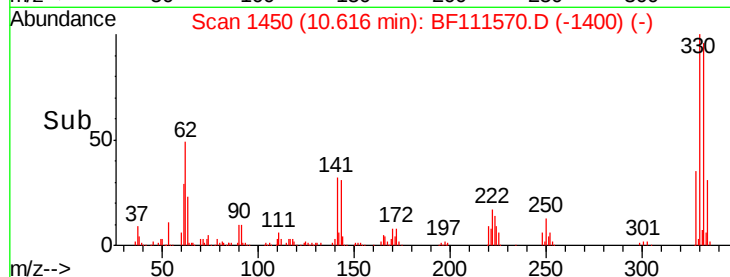
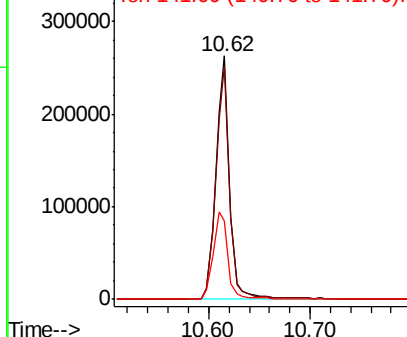
#42  
 2,4,6-Tribromophenol  
 Concen: 122.804 ng  
 RT: 10.62 min Scan# 1450  
 Delta R.T. -0.01 min  
 Lab File: BF111570.D  
 Acq: 18 Dec 2018 6:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-7-A

Tot Ion:330 Resp: 246851  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 76.0 114.0  
 141 39.1 31.0 46.6

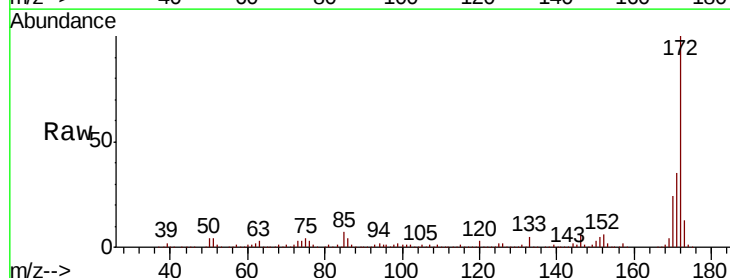


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

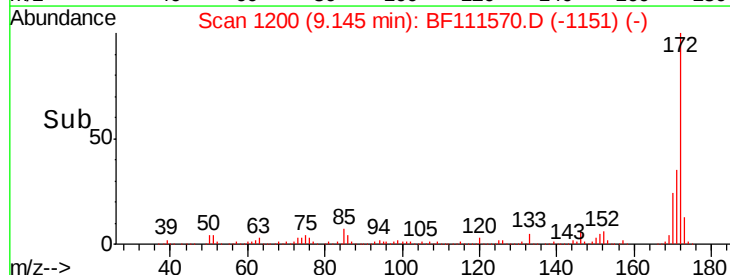
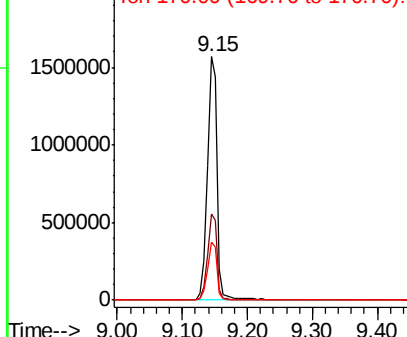


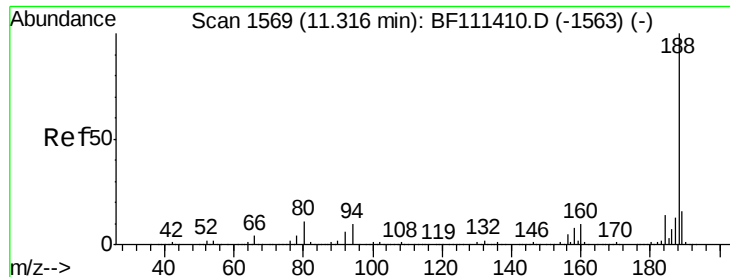
#45  
 2-Fluorobiphenyl  
 Concen: 111.278 ng  
 RT: 9.15 min Scan# 1200  
 Delta R.T. -0.01 min  
 Lab File: BF111570.D  
 Acq: 18 Dec 2018 6:32

Tgt Ion:172 Resp: 1616592  
 Ion Ratio Lower Upper  
 172 100  
 171 35.2 33.0 49.4  
 170 23.7 22.3 33.5



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BF111570.D

Acq: 18 Dec 2018 6:32

Instrument :

BNA\_F

ClientSampleId :

TP-7-A

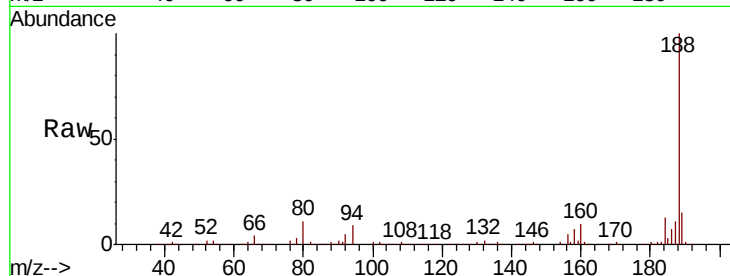
Tot Ion:188 Resp: 345127

Ion Ratio Lower Upper

188 100

94 9.5 9.6 14.4#

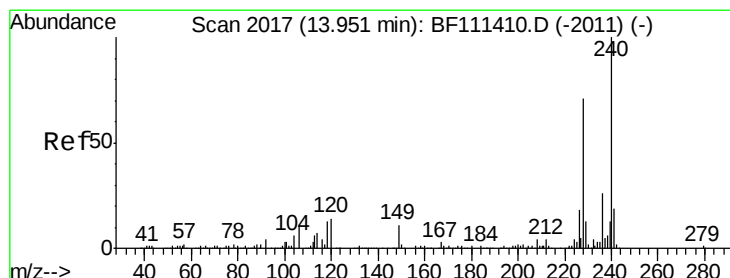
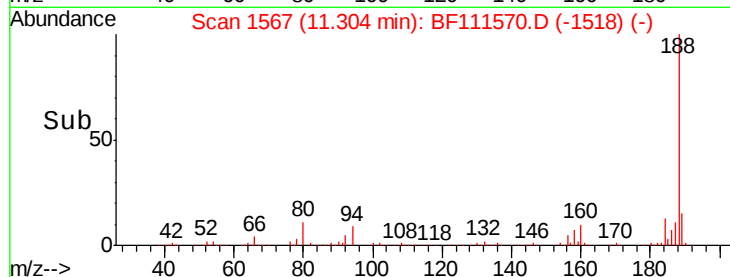
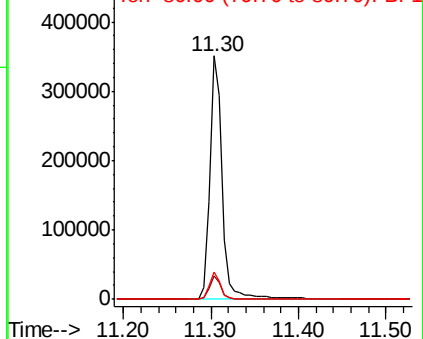
80 11.0 9.8 14.6



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF111570.D

Acq: 18 Dec 2018 6:32

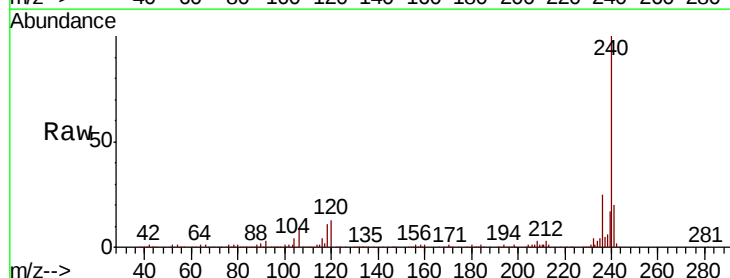
Tgt Ion:240 Resp: 371180

Ion Ratio Lower Upper

240 100

120 12.7 12.2 18.2

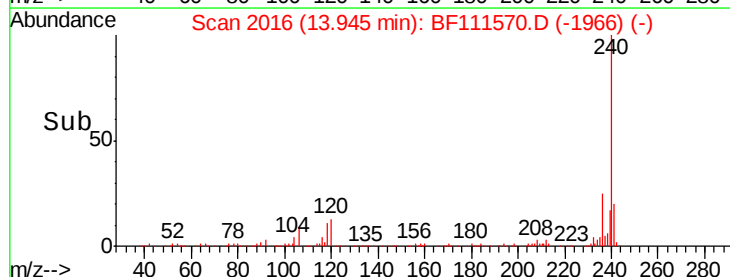
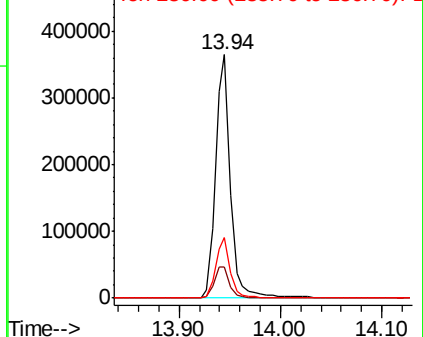
236 24.9 20.2 30.2

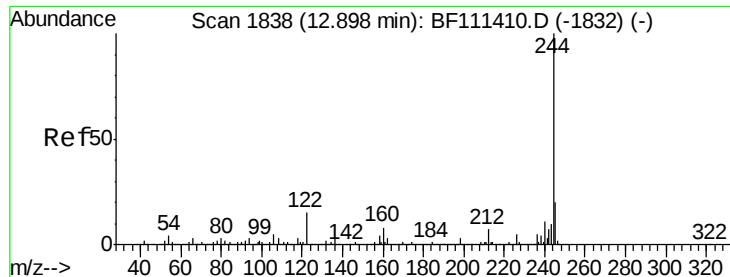


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 71.707 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF111570.D

Acq: 18 Dec 2018 6:32

Instrument :

BNA\_F

ClientSampleId :

TP-7-A

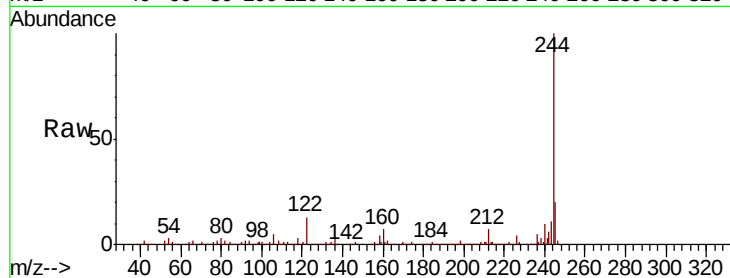
Tot Ion:244 Resp: 1133456

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

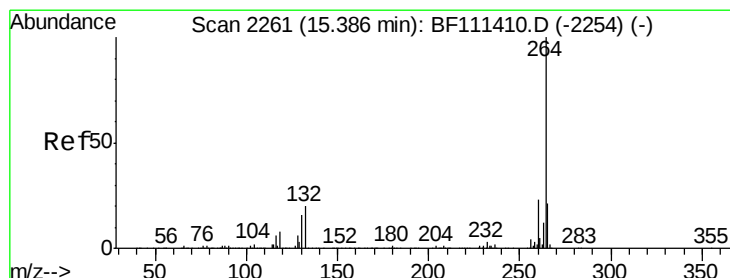
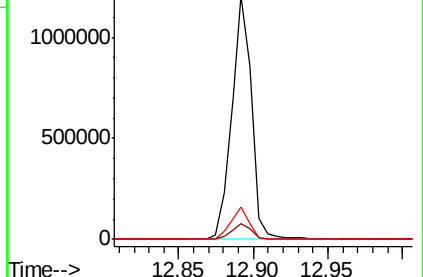
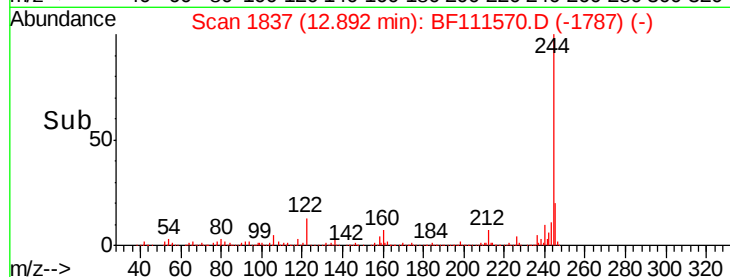
122 13.4 13.1 19.7



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.38 min Scan# 2260

Delta R.T. -0.01 min

Lab File: BF111570.D

Acq: 18 Dec 2018 6:32

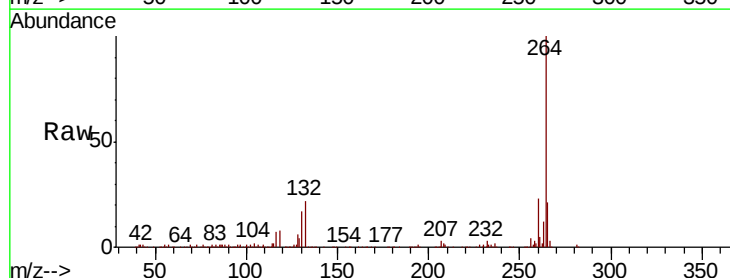
Tgt Ion:264 Resp: 286983

Ion Ratio Lower Upper

264 100

260 23.3 18.3 27.5

265 20.6 17.7 26.5



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

