

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF060517\  
 Data File : BF095681.D  
 Acq On : 5 Jun 2017 19:28  
 Operator : SJ/MA  
 Sample : I3441-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-RO-5267-060117

Quant Time: Jun 06 01:59:26 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 05 16:15:31 2017  
 Response via : Initial Calibration

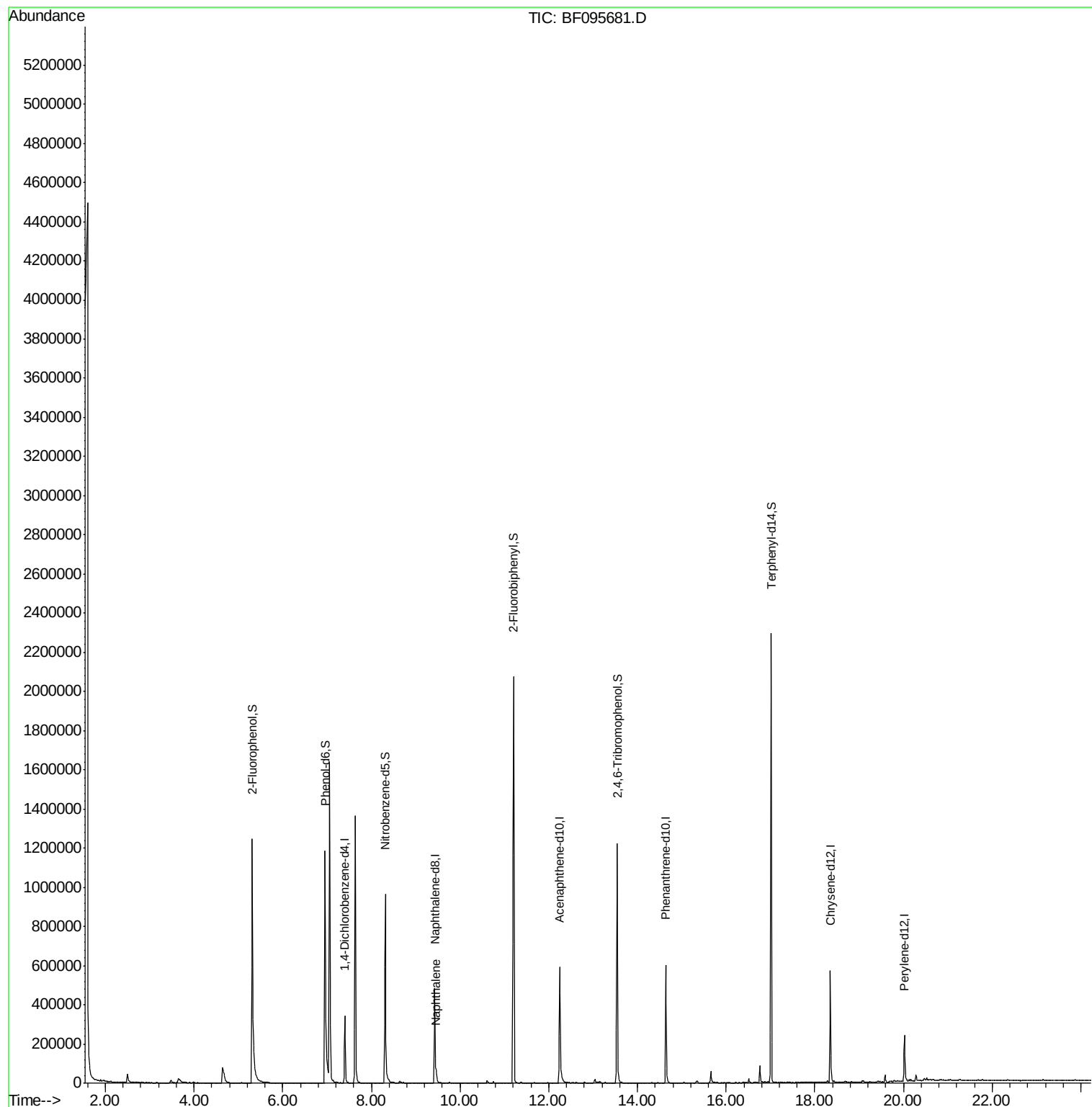
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.40  | 152  | 86519    | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 9.42  | 136  | 361648   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 12.25 | 164  | 167933   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 14.64 | 188  | 332342   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 18.35 | 240  | 279089   | 20.00  | ng    | 0.00      |
| 86) Perylene-d12            | 20.02 | 264  | 89612    | 20.00  | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.31  | 112  | 704277   | 129.71 | ng    | 0.03      |
| 7) Phenol-d6                | 6.95  | 99   | 810341   | 124.66 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 8.31  | 82   | 529526   | 90.93  | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 13.55 | 330  | 216075   | 145.43 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 11.21 | 172  | 1077119  | 89.26  | ng    | 0.00      |
| 78) Terphenyl-d14           | 17.02 | 244  | 992408   | 88.25  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 31) Naphthalene             | 9.46  | 128  | 44655    | 2.460  | ng    | Qvalue 96 |

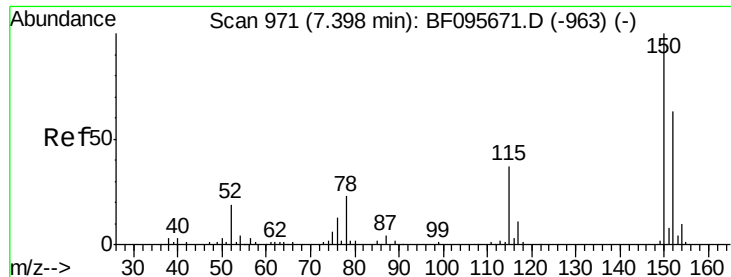
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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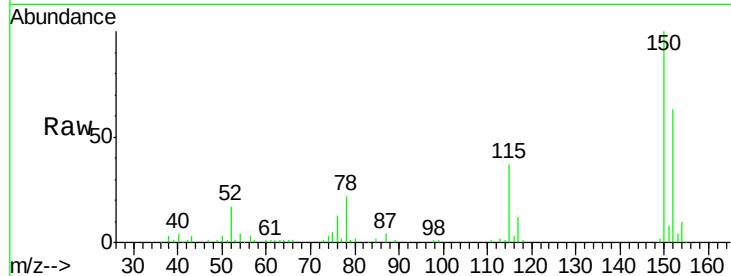


#1

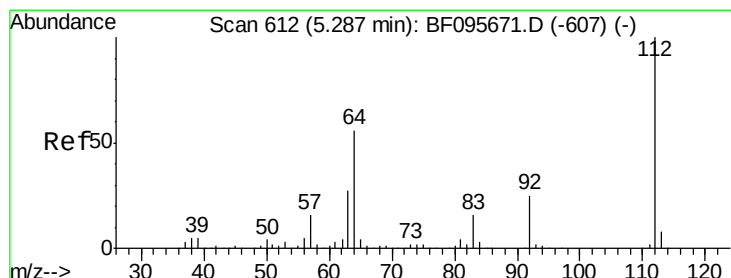
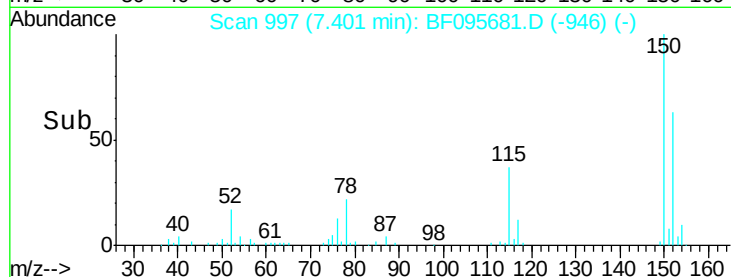
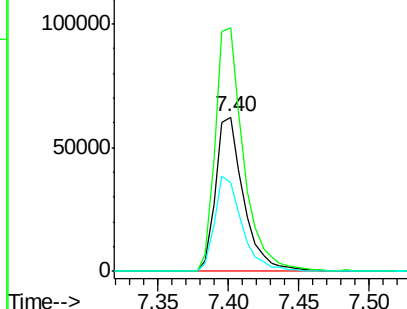
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.40 min Scan# 997  
 Delta R.T. 0.00 min  
 Lab File: BF095681.D  
 Acq: 5 Jun 2017 19:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-RO-5267-060117

Tgt Ion:152 Resp: 86519  
 Ion Ratio Lower Upper  
 152 100  
 150 157.7 126.2 189.2  
 115 57.9 52.2 78.2



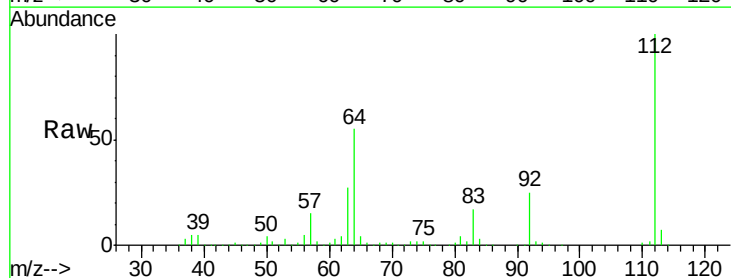
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



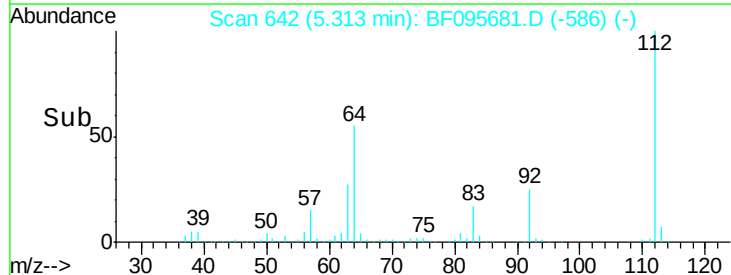
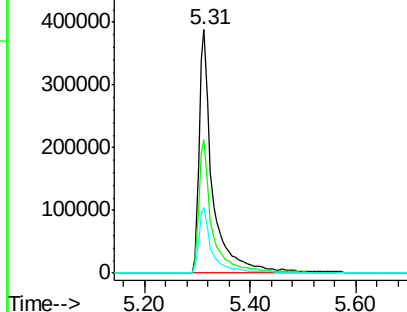
#5

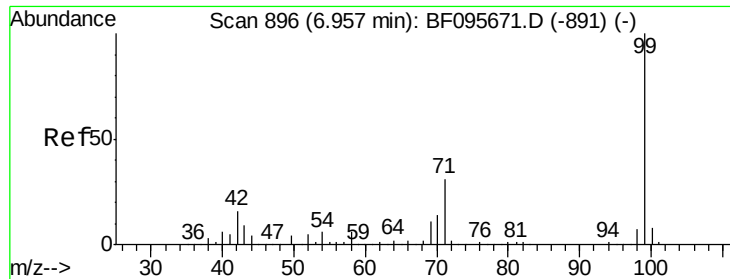
2-Fluorophenol  
 Concen: 129.709 ng  
 RT: 5.31 min Scan# 642  
 Delta R.T. 0.03 min  
 Lab File: BF095681.D  
 Acq: 5 Jun 2017 19:28

Tgt Ion:112 Resp: 704277  
 Ion Ratio Lower Upper  
 112 100  
 64 54.7 46.0 69.0  
 63 27.0 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BF0  
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 124.664 ng

RT: 6.95 min Scan# 921

Delta R.T. -0.00 min

Lab File: BF095681.D

Acq: 5 Jun 2017 19:28

Instrument :

BNA\_F

ClientSampleId :

OR-RO-5267-060117

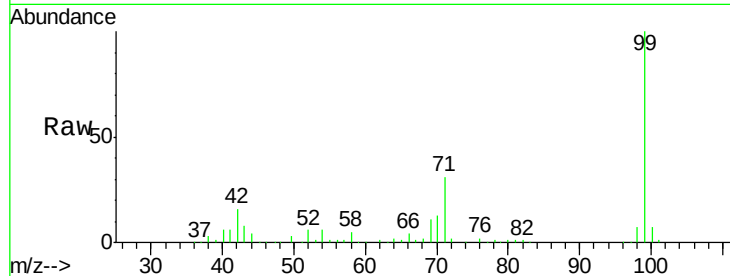
Tgt Ion: 99 Resp: 810341

Ion Ratio Lower Upper

99 100

42 16.1 13.5 20.3

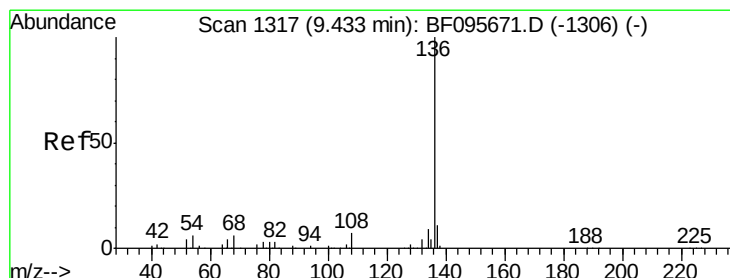
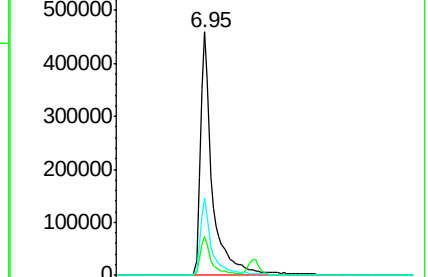
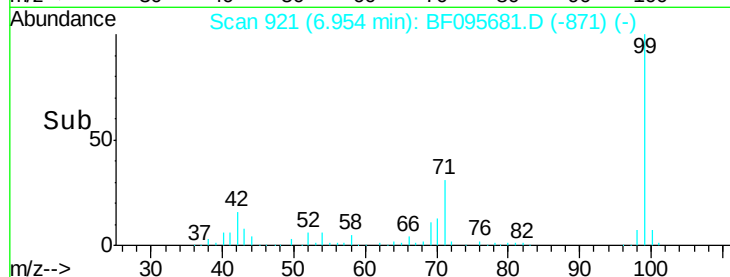
71 31.5 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 9.42 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF095681.D

Acq: 5 Jun 2017 19:28

Tgt Ion: 136 Resp: 361648

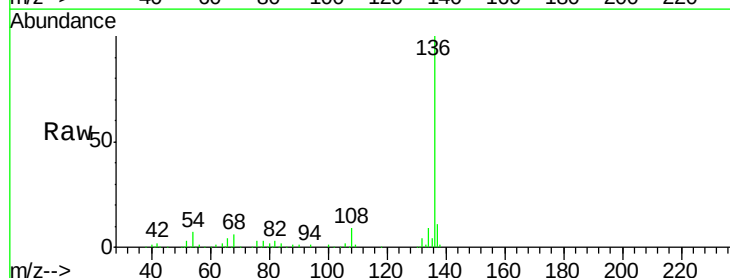
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.0 4.9 7.3

68 5.5 4.1 6.1

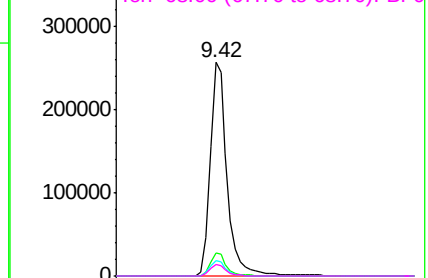
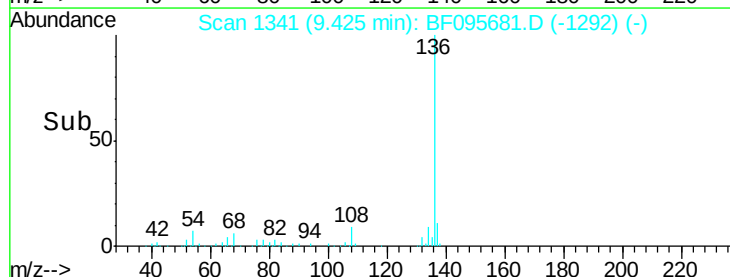


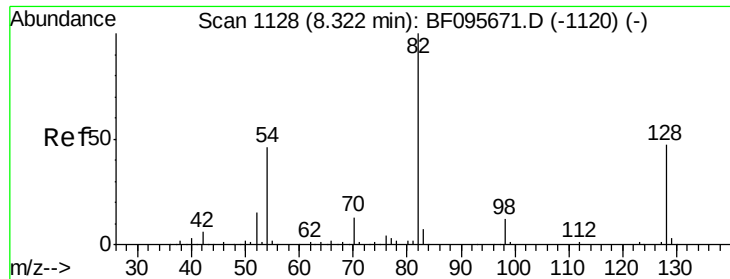
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

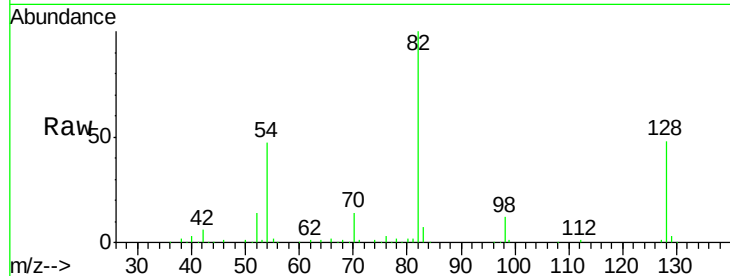




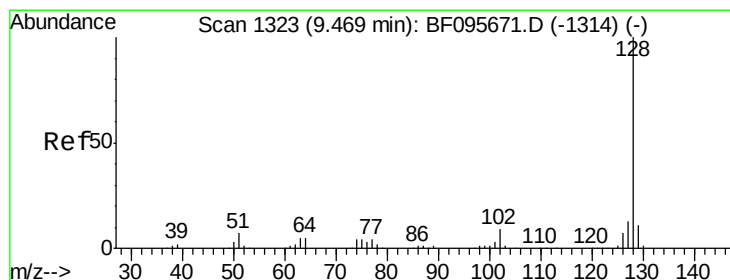
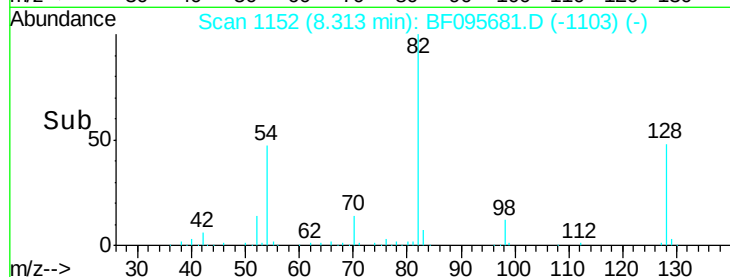
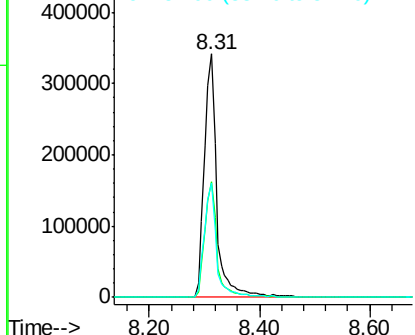
#23  
 Nitrobenzene-d5  
 Concen: 90.934 ng  
 RT: 8.31 min Scan# 1152  
 Delta R.T. -0.01 min  
 Lab File: BF095681.D  
 Acq: 5 Jun 2017 19:28

Instrument :  
 BNA\_F  
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 OR-RO-5267-060117

Tgt Ion: 82 Resp: 529526  
 Ion Ratio Lower Upper  
 82 100  
 128 47.7 34.0 51.0  
 54 47.1 42.2 63.2

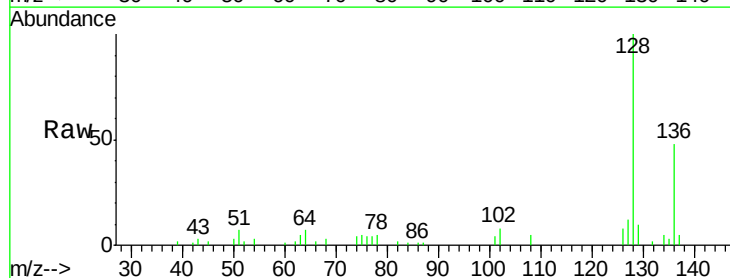


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

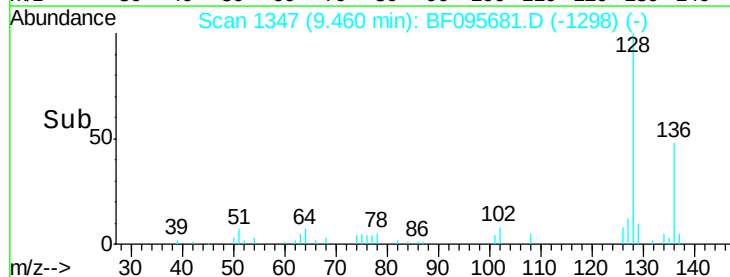
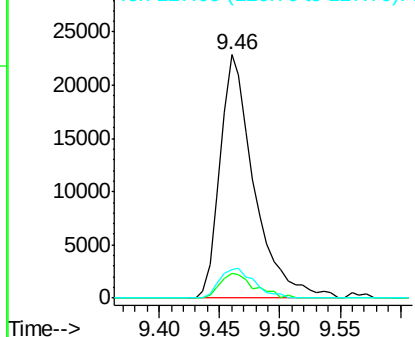


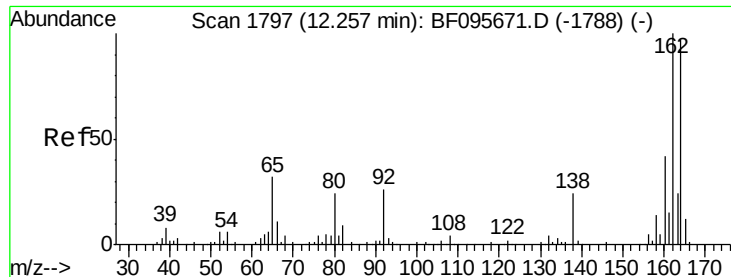
#31  
 Naphthalene  
 Concen: 2.460 ng  
 RT: 9.46 min Scan# 1347  
 Delta R.T. -0.01 min  
 Lab File: BF095681.D  
 Acq: 5 Jun 2017 19:28

Tgt Ion: 128 Resp: 44655  
 Ion Ratio Lower Upper  
 128 100  
 129 10.3 9.0 13.6  
 127 11.7 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E  
 Ion 129.00 (128.70 to 129.70): E  
 Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 12.25 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF095681.D

Acq: 5 Jun 2017 19:28

Instrument :

BNA\_F

ClientSampleId :

OR-RO-5267-060117

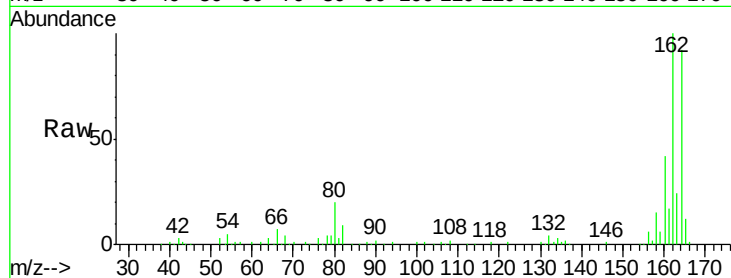
Tgt Ion:164 Resp: 167933

Ion Ratio Lower Upper

164 100

162 108.8 82.6 123.8

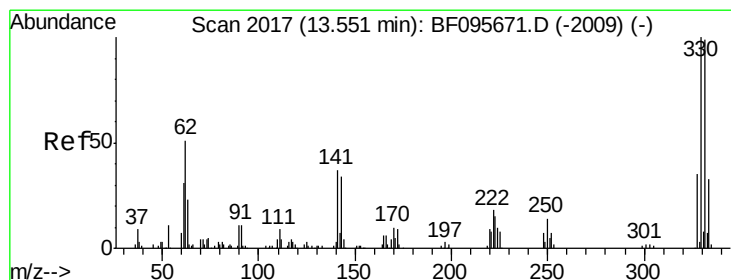
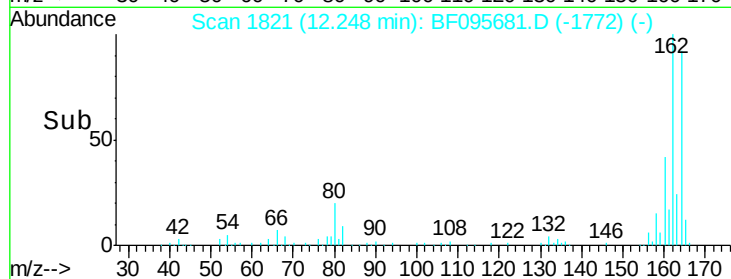
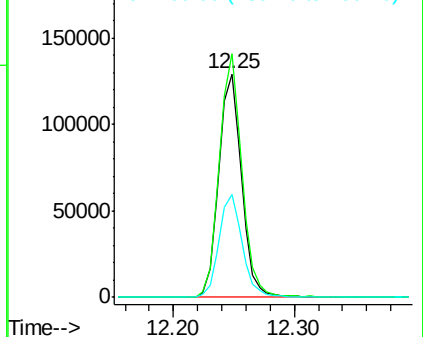
160 45.8 36.2 54.2



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: 145.425 ng

RT: 13.55 min Scan# 2042

Delta R.T. -0.00 min

Lab File: BF095681.D

Acq: 5 Jun 2017 19:28

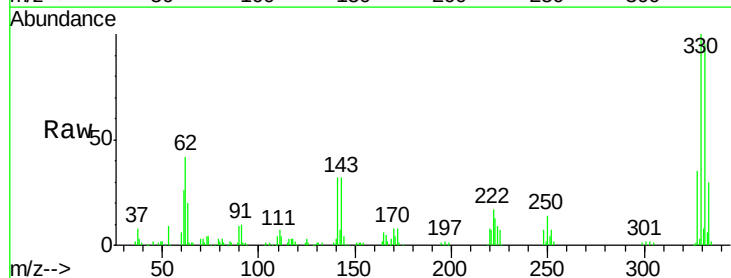
Tgt Ion:330 Resp: 216075

Ion Ratio Lower Upper

330 100

332 94.3 76.6 115.0

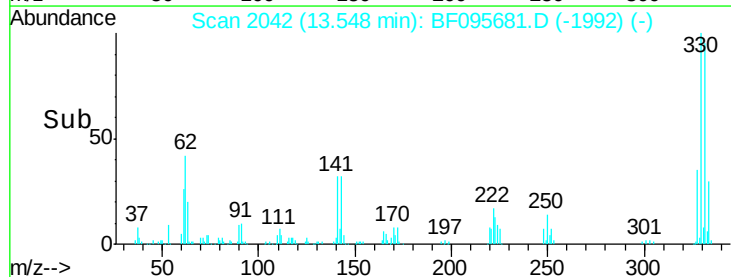
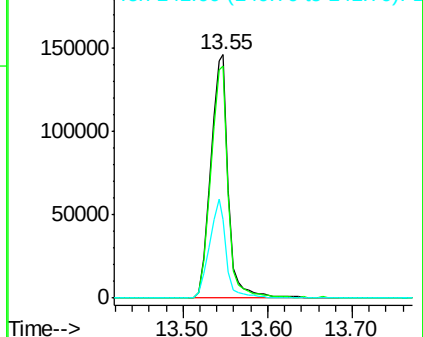
141 38.4 31.4 47.2

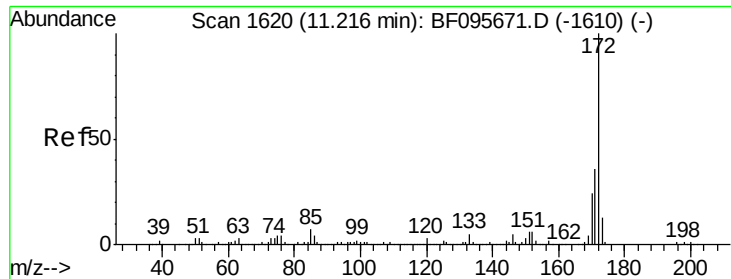


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

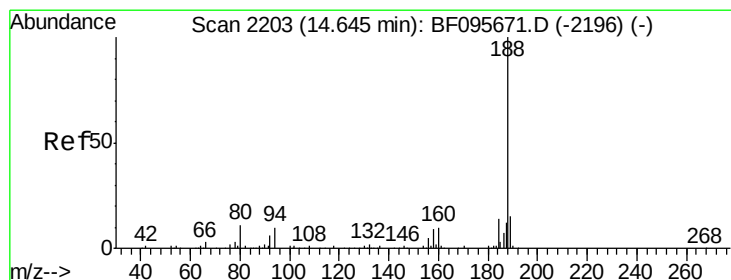
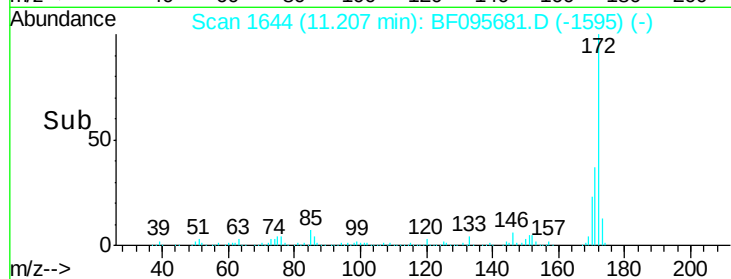
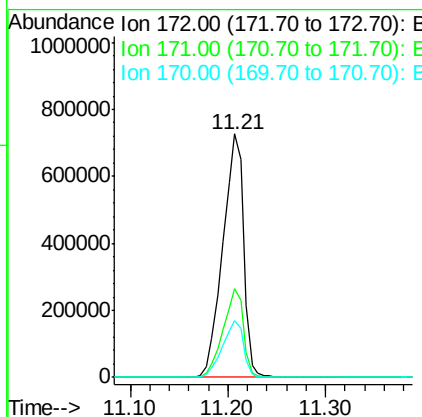
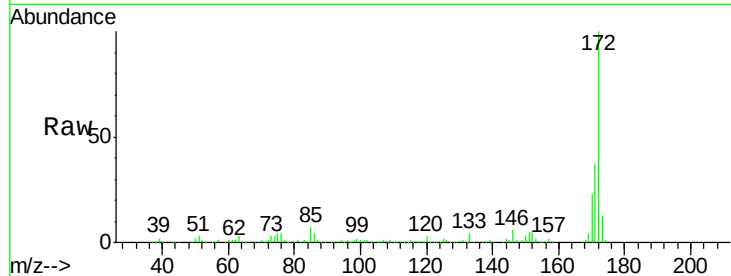




#44  
 2-Fluorobiphenyl  
 Concen: 89.255 ng  
 RT: 11.21 min Scan# 1644  
 Delta R.T. -0.01 min  
 Lab File: BF095681.D  
 Acq: 5 Jun 2017 19:28

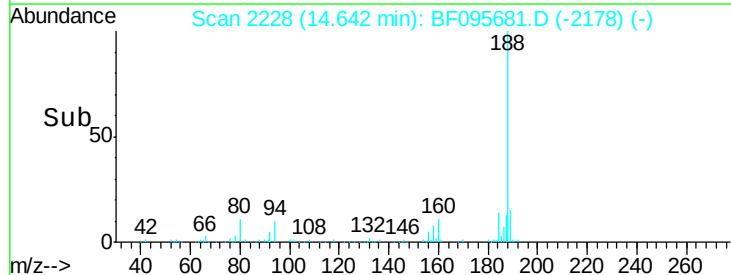
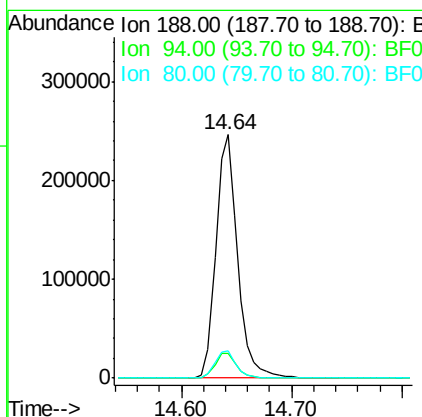
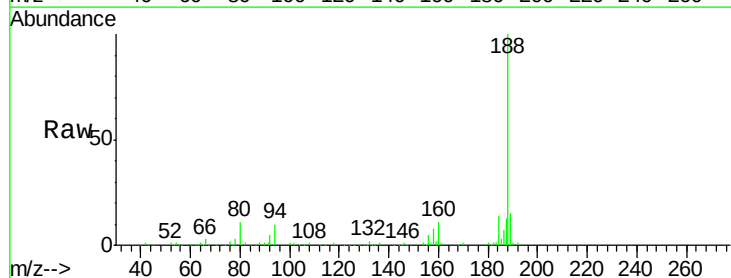
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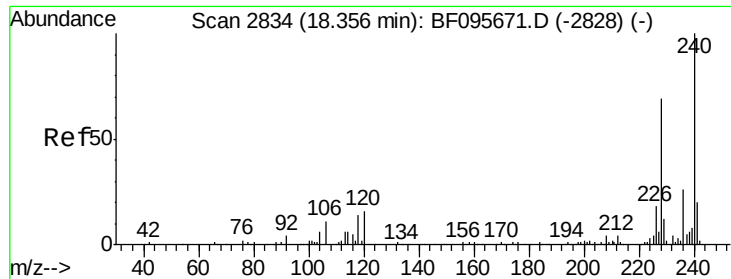
Tgt Ion:172 Resp: 1077119  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 29.6 44.4  
 170 23.4 19.8 29.8



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 14.64 min Scan# 2228  
 Delta R.T. -0.00 min  
 Lab File: BF095681.D  
 Acq: 5 Jun 2017 19:28

Tgt Ion:188 Resp: 332342  
 Ion Ratio Lower Upper  
 188 100  
 94 10.4 9.4 14.2  
 80 11.2 10.2 15.2

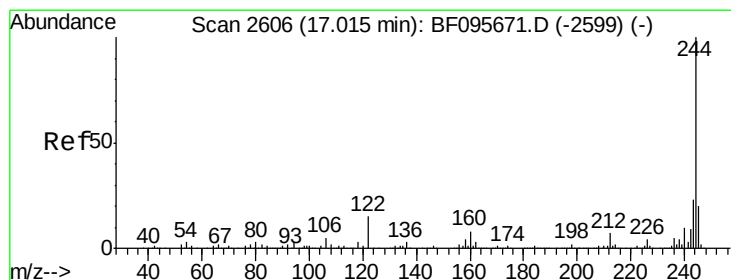
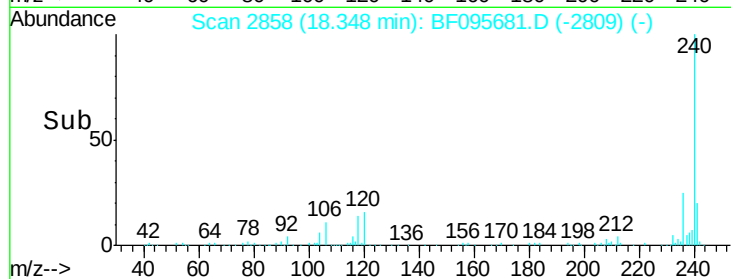
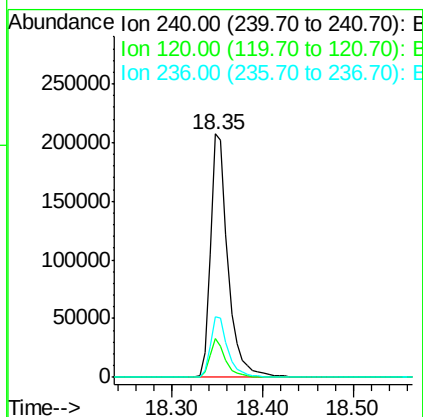
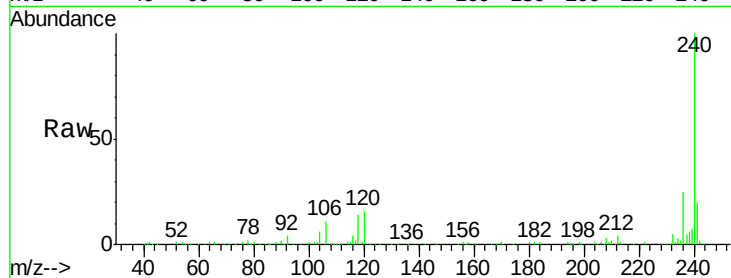




#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 18.35 min Scan# 2858  
 Delta R.T. -0.01 min  
 Lab File: BF095681.D  
 Acq: 5 Jun 2017 19:28

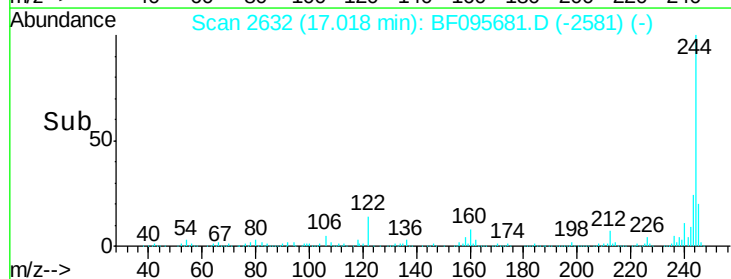
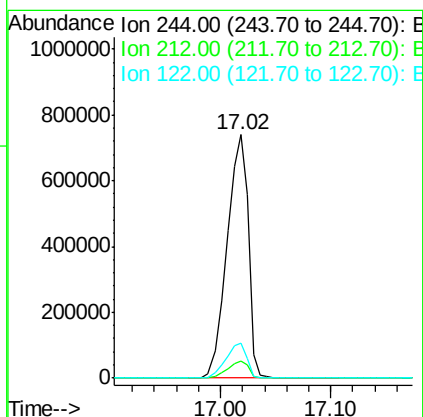
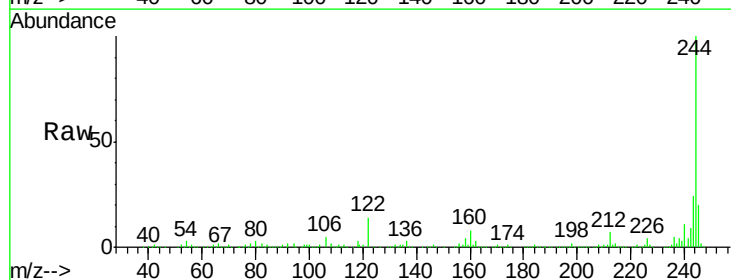
Instrument :  
 BNA\_F  
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 OR-RO-5267-060117

Tgt Ion:240 Resp: 279089  
 Ion Ratio Lower Upper  
 240 100  
 120 15.8 5.8 8.8#  
 236 24.9 20.5 30.7

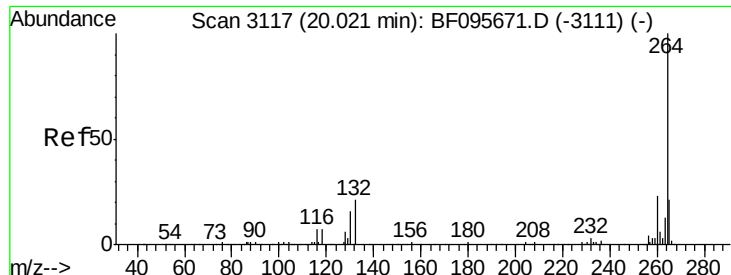


#78  
 Terphenyl-d14  
 Concen: 88.248 ng  
 RT: 17.02 min Scan# 2632  
 Delta R.T. 0.00 min  
 Lab File: BF095681.D  
 Acq: 5 Jun 2017 19:28

Tgt Ion:244 Resp: 992408  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 6.0 9.0  
 122 14.3 10.3 15.5



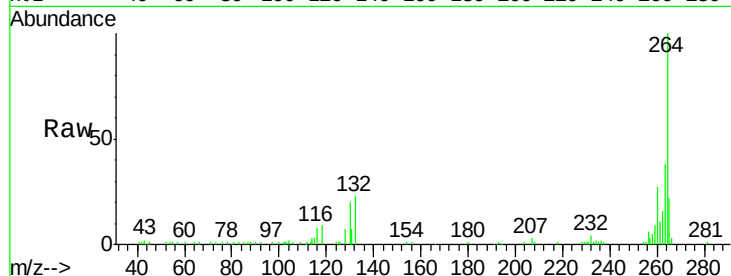




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 20.02 min Scan# 3142  
Delta R.T. -0.00 min  
Lab File: BF095681.D  
Acq: 5 Jun 2017 19:28

Instrument :  
BNA\_F  
ClientSampleId :  
OR-RO-5267-060117

Tgt Ion: 264 Resp: 89612  
Ion Ratio Lower Upper  
264 100  
260 26.8 19.5 29.3  
265 22.5 17.2 25.8



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

