

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012216\  
 Data File : BF084594.D  
 Acq On : 22 Jan 2016 17:27  
 Operator : SJ/IZ  
 Sample : H1187-03  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS017-1824-01

Quant Time: Jan 23 00:20:38 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 14 14:15:52 2016  
 Response via : Initial Calibration

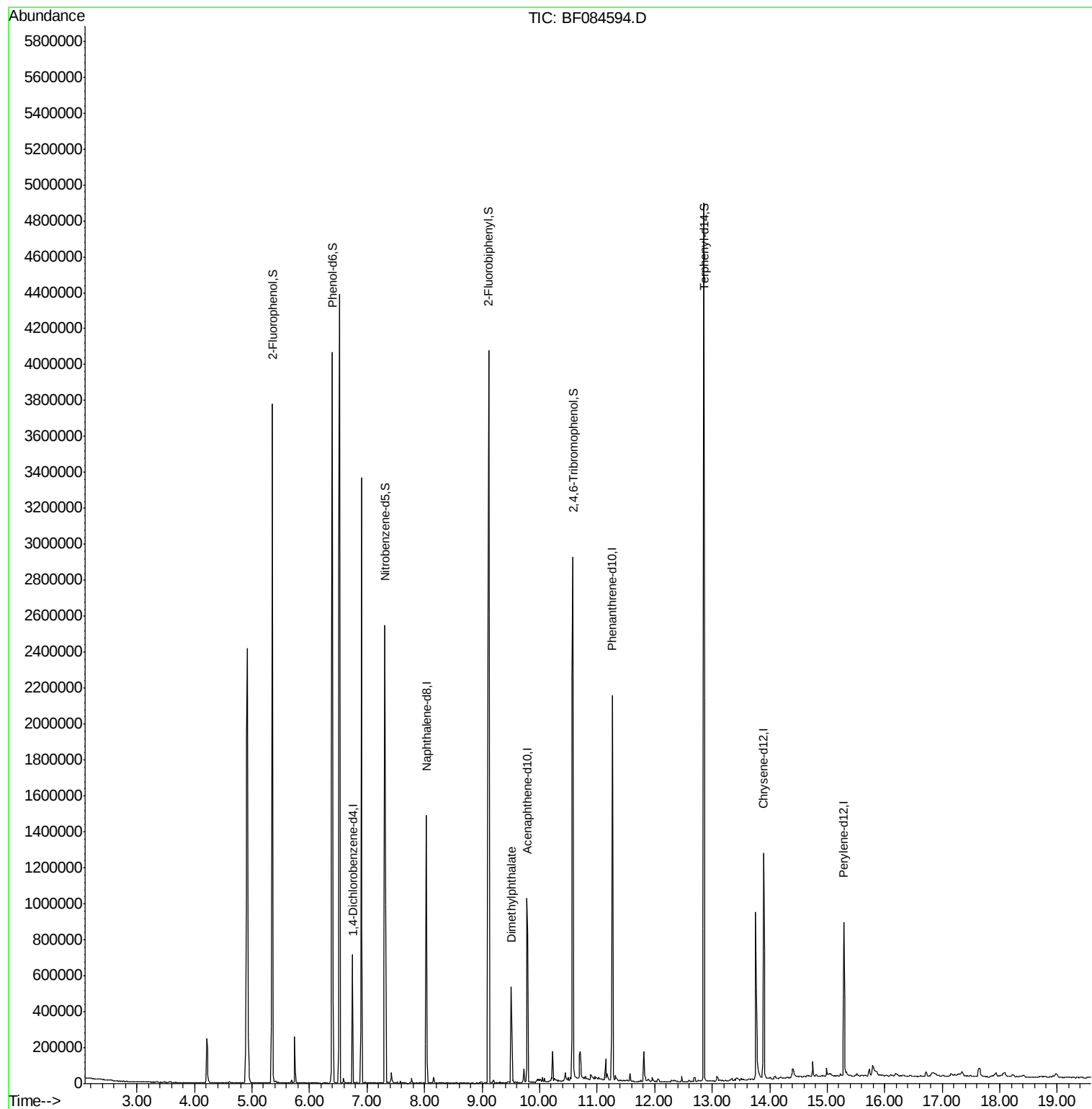
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.75  | 152  | 141219   | 20.00  | ng    | -0.08          |
| 21) Naphthalene-d8          | 8.03  | 136  | 611663   | 20.00  | ng    | -0.09          |
| 38) Acenaphthene-d10        | 9.78  | 164  | 277098   | 20.00  | ng    | -0.09          |
| 63) Phenanthrene-d10        | 11.26 | 188  | 698857   | 20.00  | ng    | -0.09          |
| 75) Chrysene-d12            | 13.89 | 240  | 522514   | 20.00  | ng    | -0.10          |
| 86) Perylene-d12            | 15.29 | 264  | 381236   | 20.00  | ng    | -0.13          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.36  | 112  | 1324120  | 151.66 | ng    | -0.08          |
| 7) Phenol-d6                | 6.40  | 99   | 1403612  | 128.01 | ng    | -0.08          |
| 23) Nitrobenzene-d5         | 7.31  | 82   | 936207   | 85.19  | ng    | -0.09          |
| 41) 2,4,6-Tribromophenol    | 10.58 | 330  | 487106   | 174.12 | ng    | -0.09          |
| 44) 2-Fluorobiphenyl        | 9.12  | 172  | 1591087  | 102.30 | ng    | -0.08          |
| 78) Terphenyl-d14           | 12.85 | 244  | 1773096  | 75.75  | ng    | -0.09          |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.50  | 163  | 249029   | 12.57  | ng    | Qvalue<br># 89 |

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

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Quant Time: Jan 23 00:20:38 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jan 14 14:15:52 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 408

Delta R.T. -0.08 min

Lab File: BF084594.D

Acq: 22 Jan 2016 17:27

Instrument :

BNA\_F

ClientSampleId :

P001-SS017-1824-01

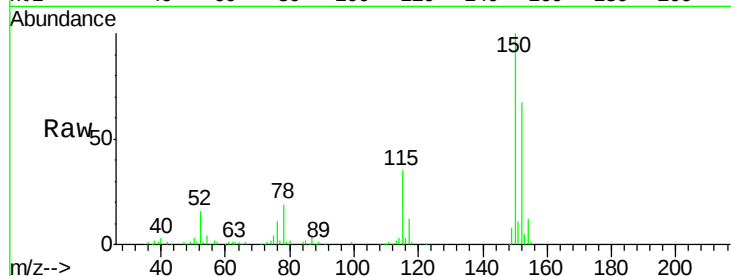
Tot Ion:152 Resp: 141219

Ion Ratio Lower Upper

152 100

150 150.1 123.0 184.4

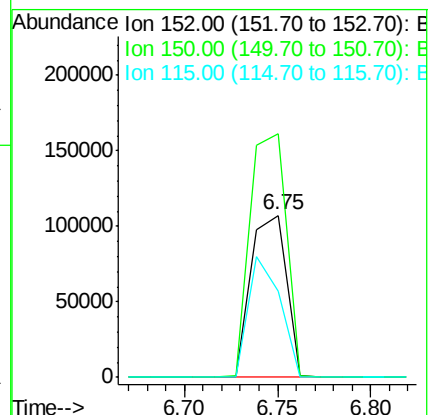
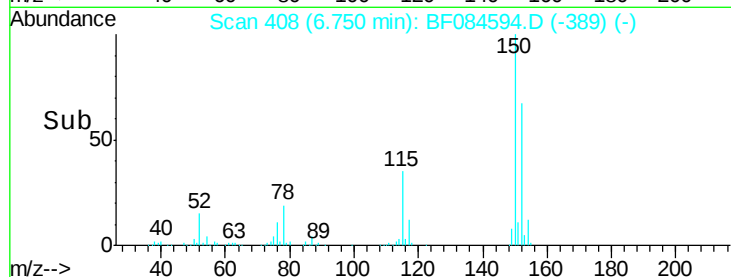
115 53.2 51.4 77.2



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: 151.66 ng

RT: 5.36 min Scan# 286

Delta R.T. -0.08 min

Lab File: BF084594.D

Acq: 22 Jan 2016 17:27

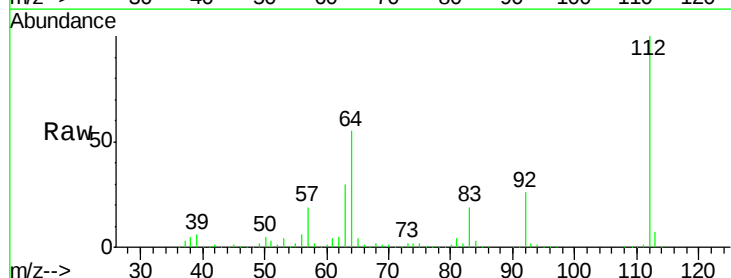
Tgt Ion:112 Resp: 1324120

Ion Ratio Lower Upper

112 100

64 55.0 36.6 55.0#

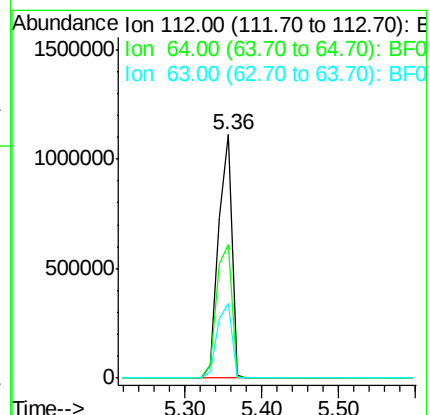
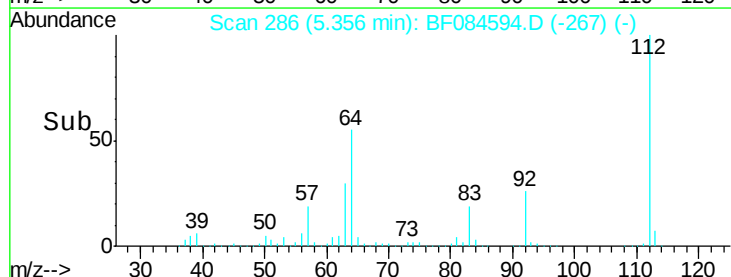
63 30.4 19.4 29.0#



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: 128.01 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.08 min

Lab File: BF084594.D

Acq: 22 Jan 2016 17:27

Instrument :

BNA\_F

ClientSampleId :

P001-SS017-1824-01

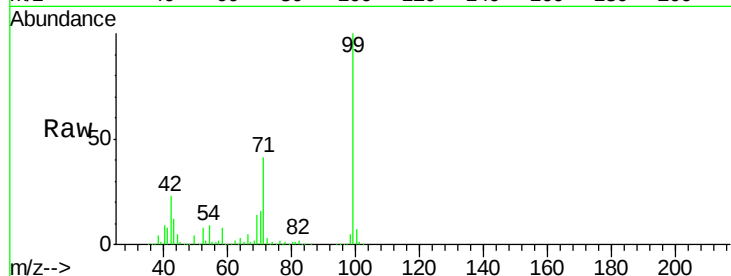
Tot Ion: 99 Resp: 1403612

Ion Ratio Lower Upper

99 100

42 23.0 12.8 19.2#

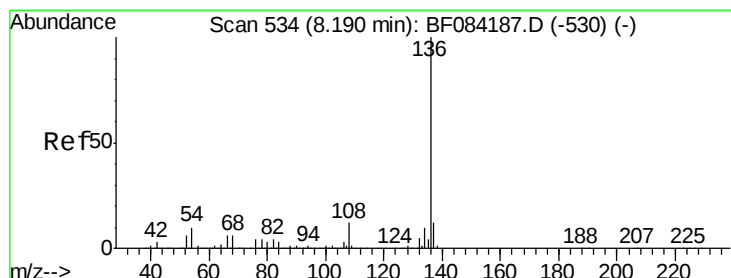
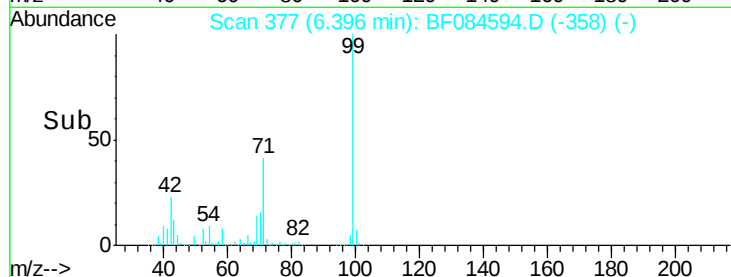
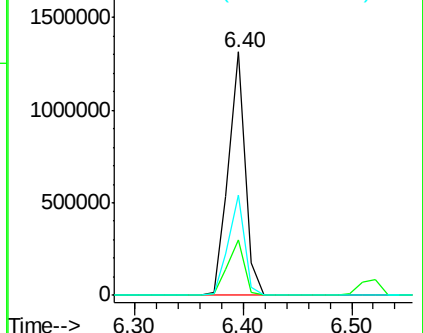
71 41.0 30.9 46.3



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: 20.00 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.09 min

Lab File: BF084594.D

Acq: 22 Jan 2016 17:27

Tgt Ion: 136 Resp: 611663

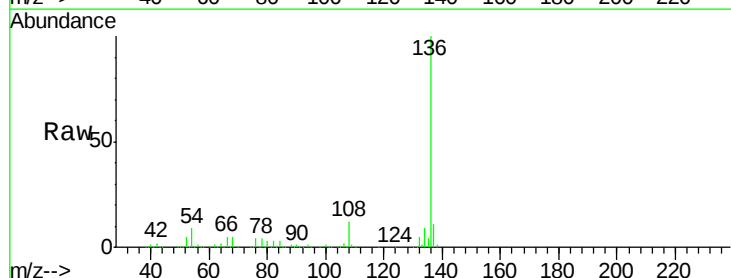
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 8.8 5.8 8.8#

68 4.5 4.2 6.2

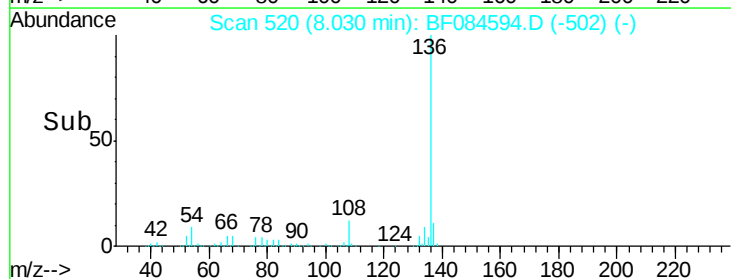
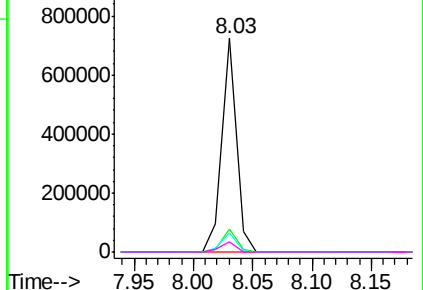


Abundance Ion 136.00 (135.70 to 136.70): E

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

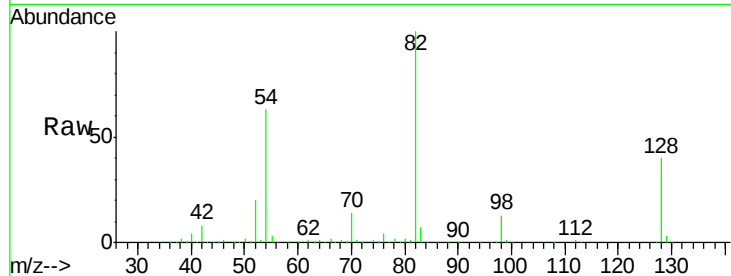




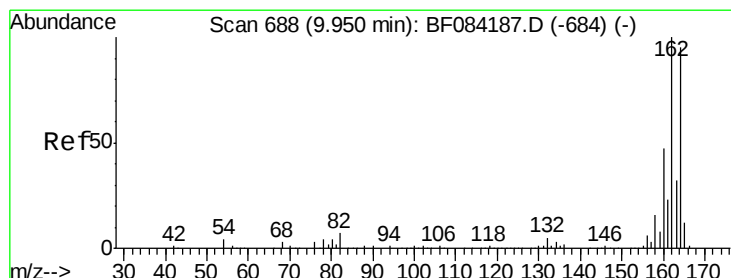
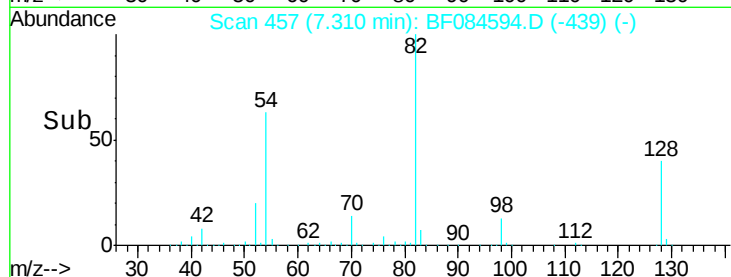
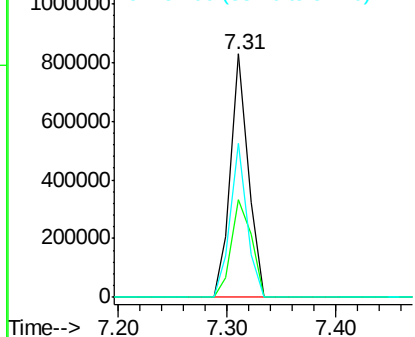
#23  
 Nitrobenzene-d5  
 Concen: 85.19 ng  
 RT: 7.31 min Scan# 457  
 Delta R.T. -0.09 min  
 Lab File: BF084594.D  
 Acq: 22 Jan 2016 17:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS017-1824-01

Tot Ion: 82 Resp: 936207  
 Ion Ratio Lower Upper  
 82 100  
 128 40.3 34.6 51.8  
 54 63.1 38.4 57.6#

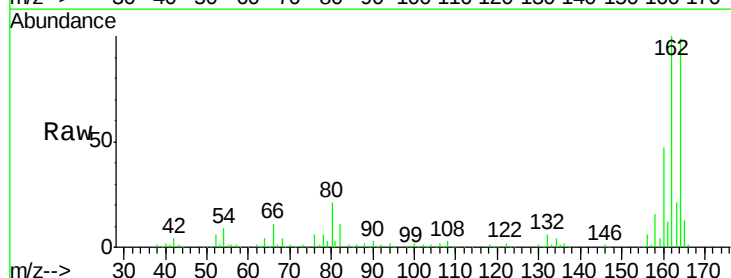


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

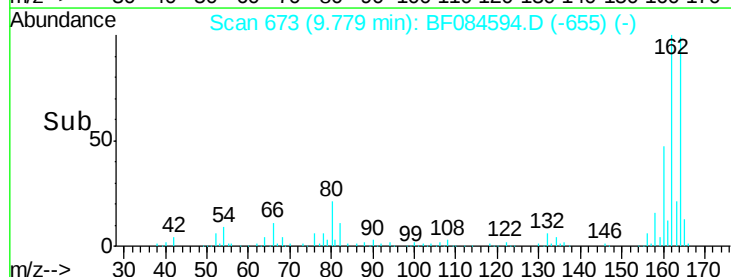
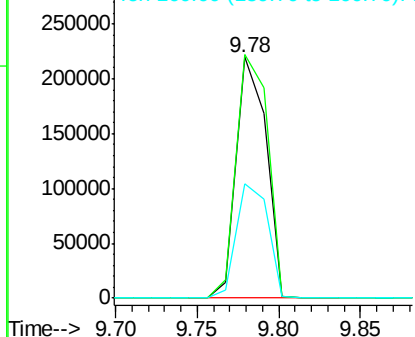


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.78 min Scan# 673  
 Delta R.T. -0.09 min  
 Lab File: BF084594.D  
 Acq: 22 Jan 2016 17:27

Tgt Ion:164 Resp: 277098  
 Ion Ratio Lower Upper  
 164 100  
 162 101.2 85.1 127.7  
 160 47.5 37.5 56.3



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

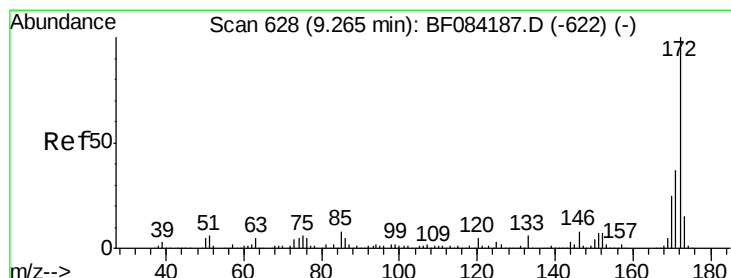
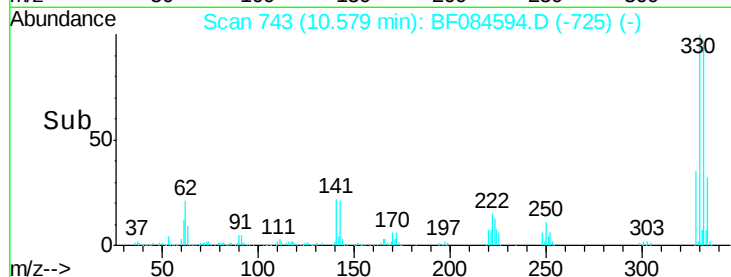
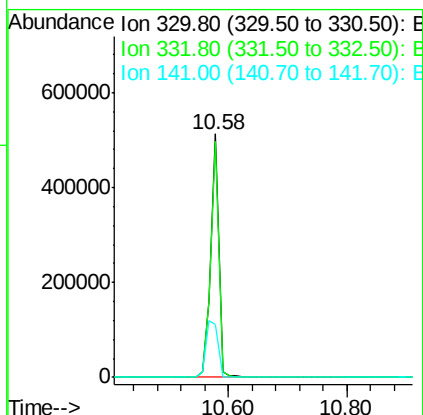
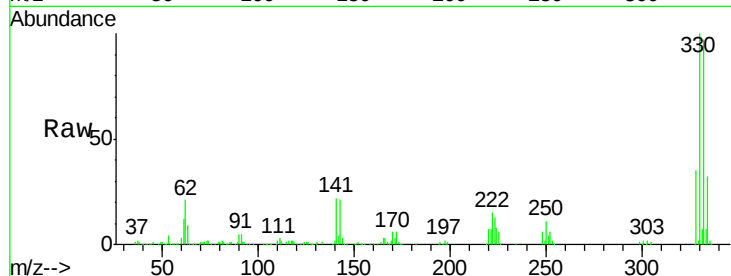




#41  
 2,4,6-Tribromophenol  
 Concen: 174.12 ng  
 RT: 10.58 min Scan# 743  
 Delta R.T. -0.09 min  
 Lab File: BF084594.D  
 Acq: 22 Jan 2016 17:27

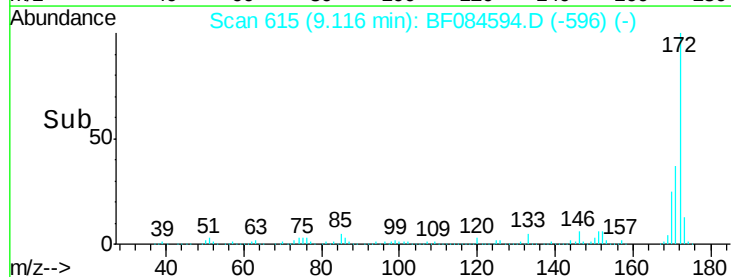
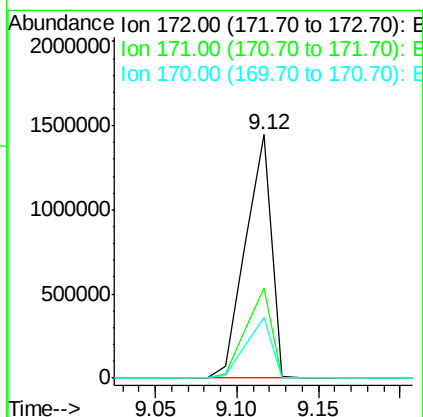
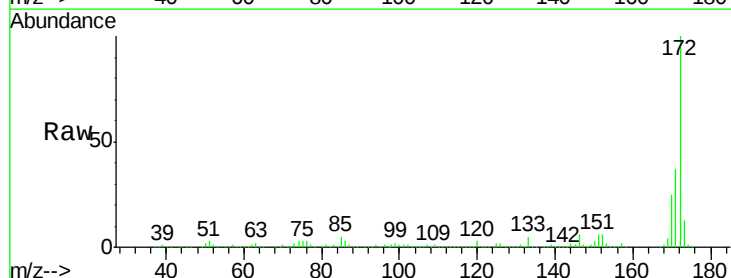
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS017-1824-01

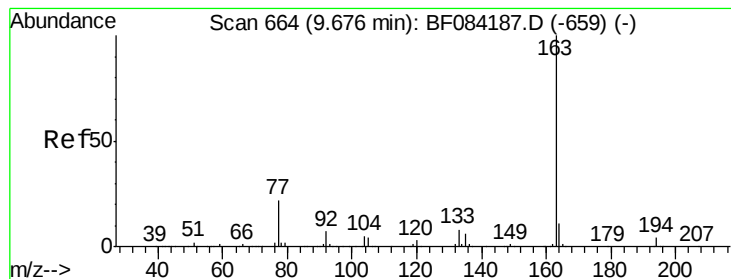
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.5  | 76.6  | 114.8 |
| 141     | 35.0  | 27.8  | 41.6  |



#44  
 2-Fluorobiphenyl  
 Concen: 102.30 ng  
 RT: 9.12 min Scan# 615  
 Delta R.T. -0.08 min  
 Lab File: BF084594.D  
 Acq: 22 Jan 2016 17:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.9  | 28.9  | 43.3  |
| 170     | 24.9  | 18.6  | 27.8  |





#49

Dimethylphthalate

Concen: 12.57 ng

RT: 9.50 min Scan# 649

Delta R.T. -0.10 min

Lab File: BF084594.D

Acq: 22 Jan 2016 17:27

Instrument :

BNA\_F

ClientSampleId :

P001-SS017-1824-01

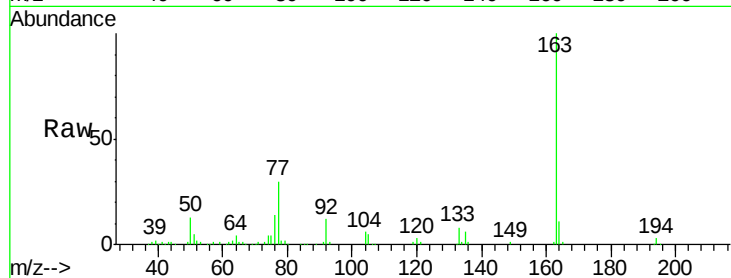
Tot Ion:163 Resp: 249029

Ion Ratio Lower Upper

163 100

194 2.6 8.0 12.0#

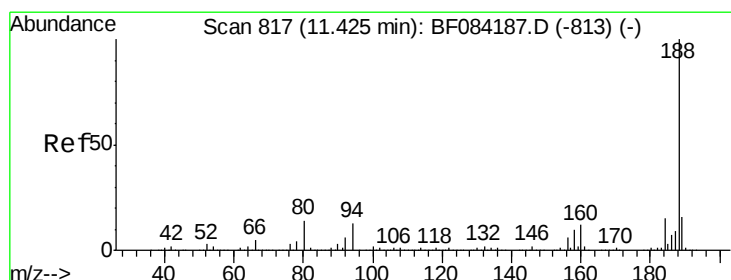
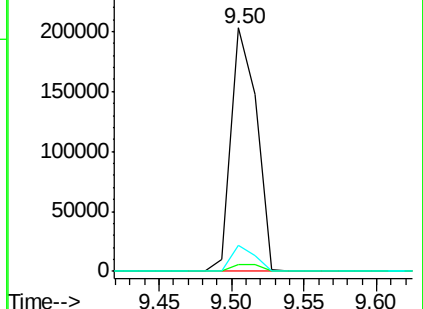
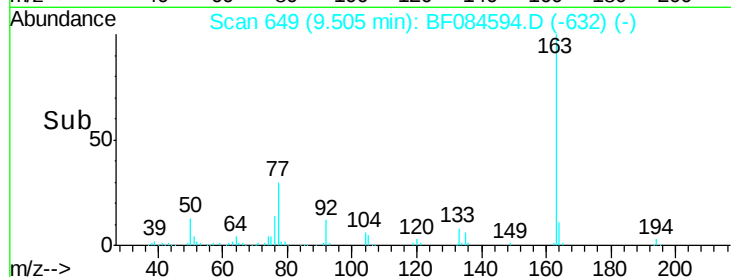
164 10.6 8.0 12.0



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: 20.00 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.09 min

Lab File: BF084594.D

Acq: 22 Jan 2016 17:27

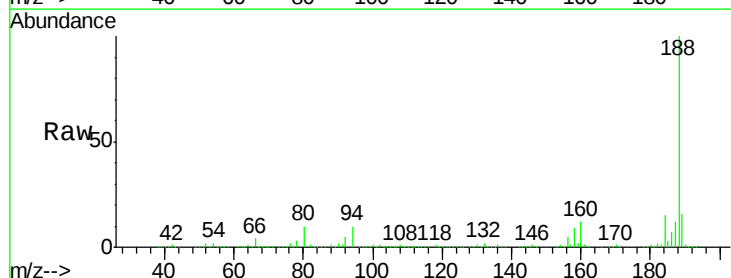
Tgt Ion:188 Resp: 698857

Ion Ratio Lower Upper

188 100

94 9.6 9.0 13.4

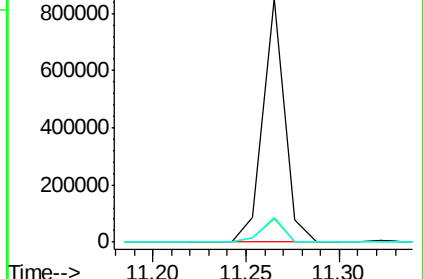
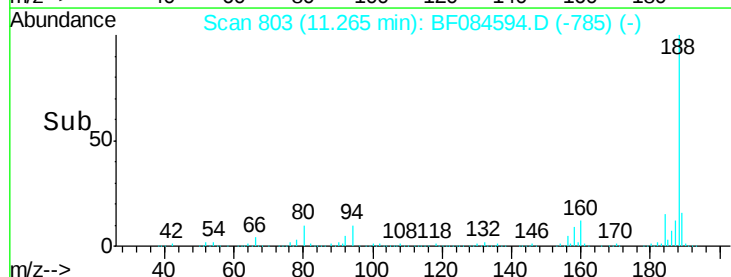
80 10.2 9.6 14.4

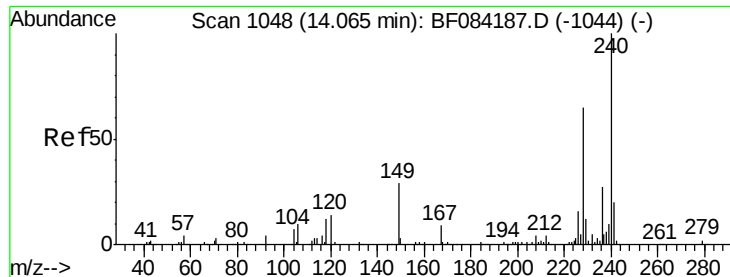


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.10 min

Lab File: BF084594.D

Acq: 22 Jan 2016 17:27

Instrument :

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ClientSampleId :

P001-SS017-1824-01

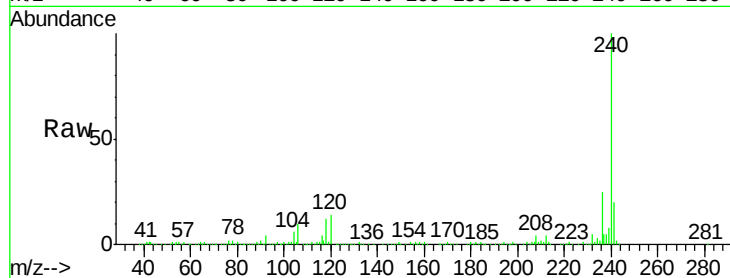
Tot Ion:240 Resp: 522514

Ion Ratio Lower Upper

240 100

120 14.0 9.5 14.3

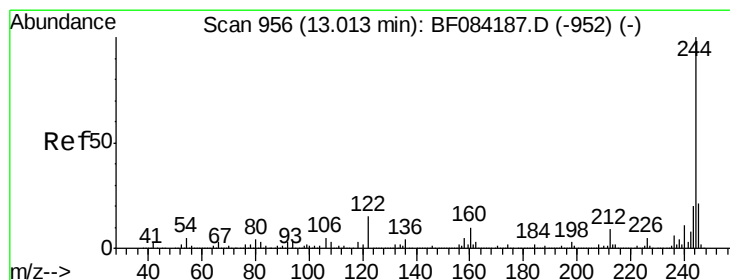
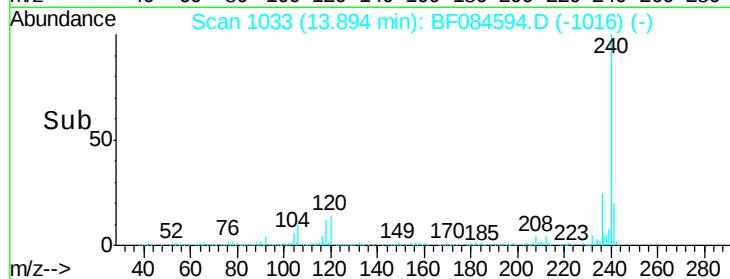
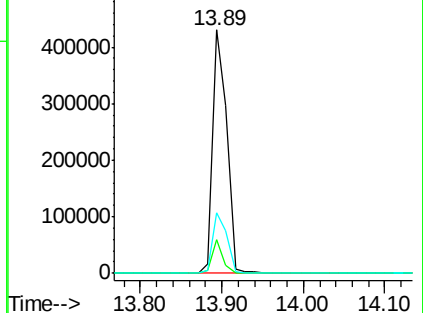
236 25.0 20.6 31.0



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



#78

Terphenyl-d14

Concen: 75.75 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.09 min

Lab File: BF084594.D

Acq: 22 Jan 2016 17:27

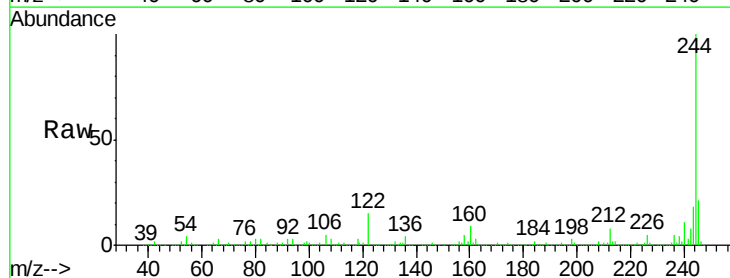
Tgt Ion:244 Resp: 1773096

Ion Ratio Lower Upper

244 100

212 8.1 5.7 8.5

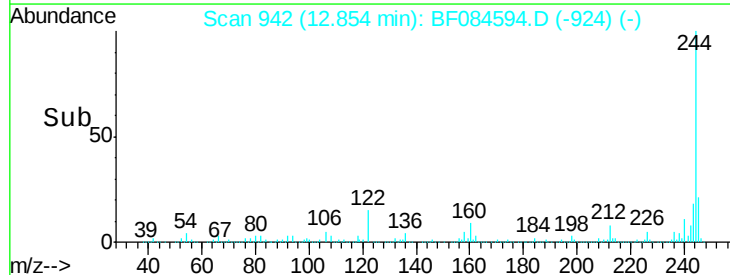
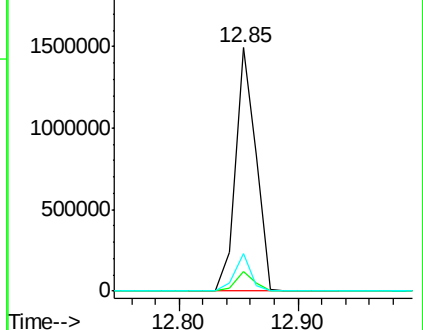
122 15.2 7.4 11.0#

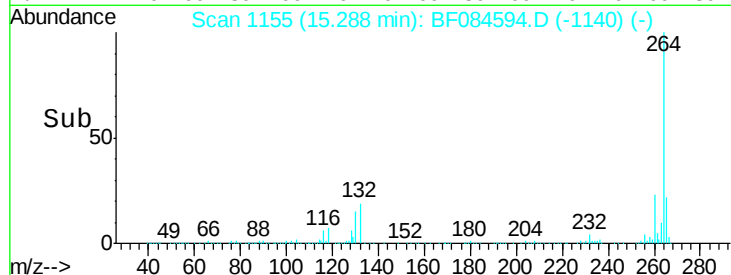
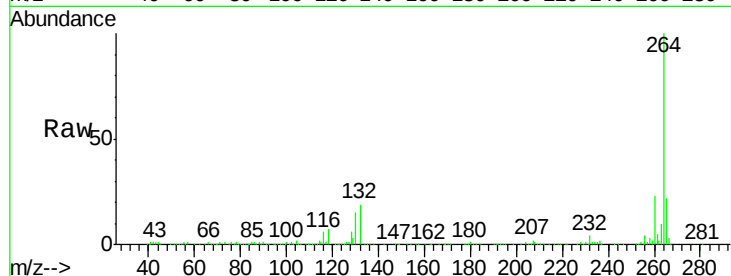
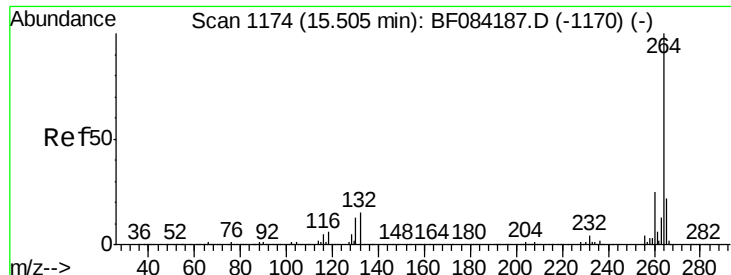


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.29 min Scan# 1155  
 Delta R.T. -0.13 min  
 Lab File: BF084594.D  
 Acq: 22 Jan 2016 17:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS017-1824-01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 381236 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.3  | 19.4  | 29.2   |
| 265       | 21.9  | 17.8  | 26.6   |

