

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\  
 Data File : BF092499.D  
 Acq On : 26 Jan 2017 1:37  
 Operator : SJ/MA  
 Sample : I1351-04  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CAS-FB011917

Quant Time: Jan 26 11:13:15 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 24 13:48:07 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 156454   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.26  | 136  | 616651   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 10.02 | 164  | 324337   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.50 | 188  | 540031   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 14.15 | 240  | 497556   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.62 | 264  | 419644   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.55  | 112  | 662647   | 65.90  | ng    | 0.00     |
| 7) Phenol-d6                | 6.58  | 99   | 500652   | 39.09  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 1064911  | 94.33  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.81 | 330  | 340749   | 154.17 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.34  | 172  | 1716159  | 97.84  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.11 | 244  | 1752561  | 93.79  | ng    | -0.01    |

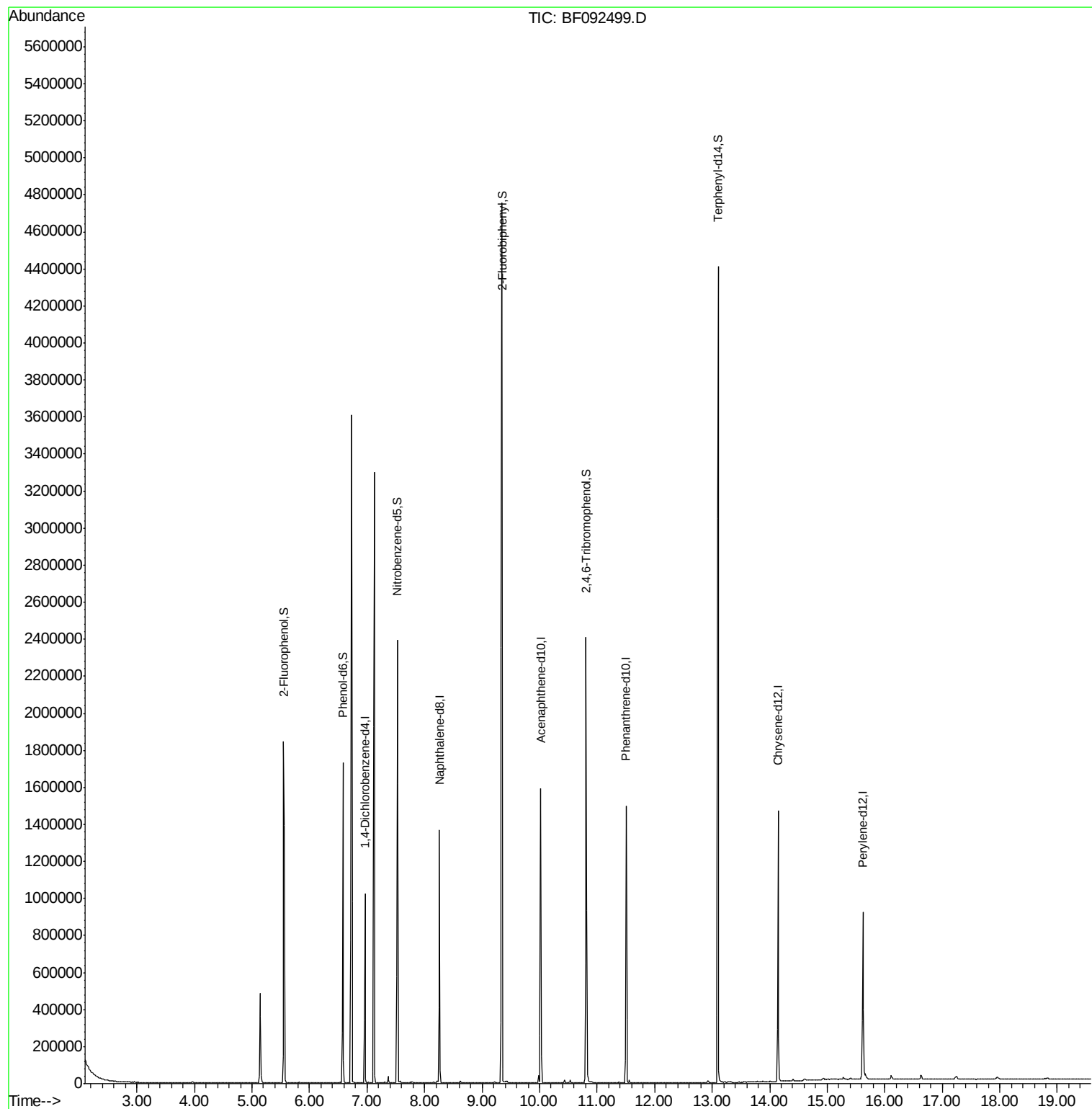
Target Compounds Qvalue

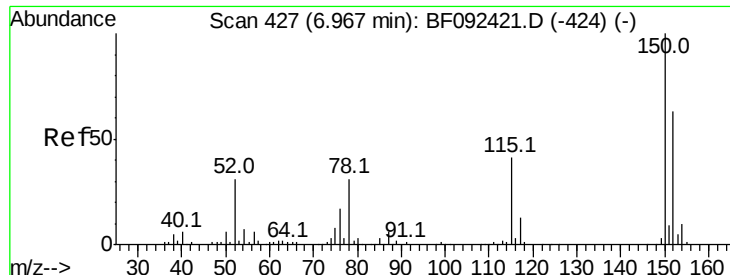
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CAS-FB011917

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M  
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QLast Update : Tue Jan 24 13:48:07 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 427

Delta R.T. 0.00 min

Lab File: BF092499.D

Acq: 26 Jan 2017 1:37

Instrument :

BNA\_F

ClientSampleId :

CAS-FB011917

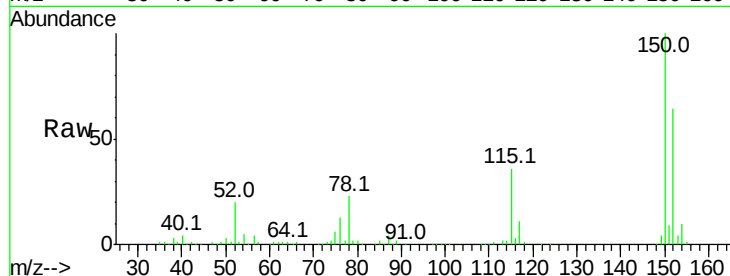
Tot Ion:152 Resp: 156454

Ion Ratio Lower Upper

152 100

150 156.9 124.9 187.3

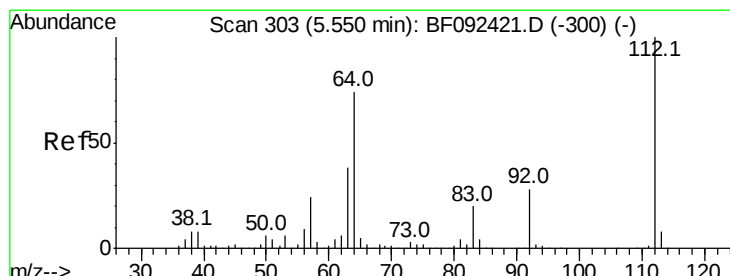
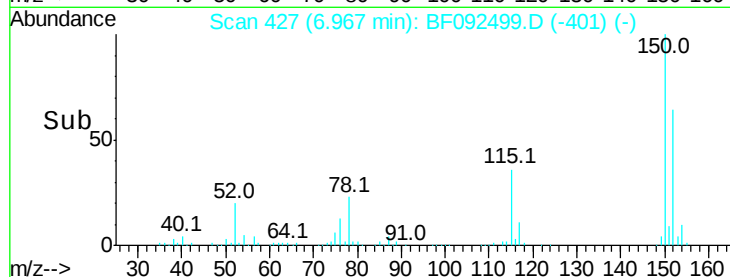
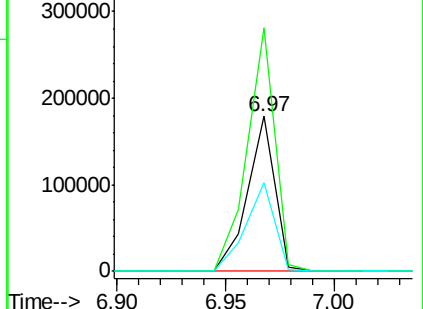
115 57.1 46.0 69.0



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: 65.90 ng

RT: 5.55 min Scan# 303

Delta R.T. 0.00 min

Lab File: BF092499.D

Acq: 26 Jan 2017 1:37

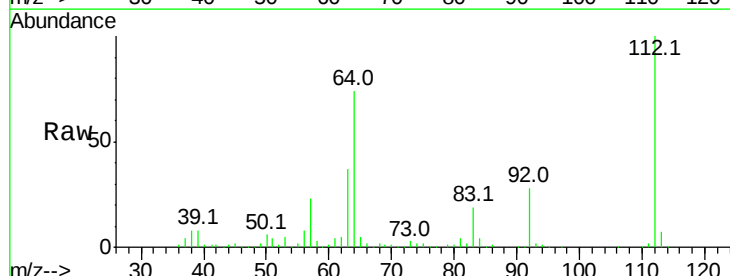
Tgt Ion:112 Resp: 662647

Ion Ratio Lower Upper

112 100

64 73.5 46.1 69.1#

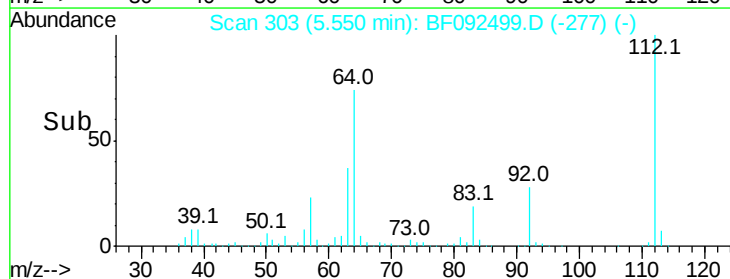
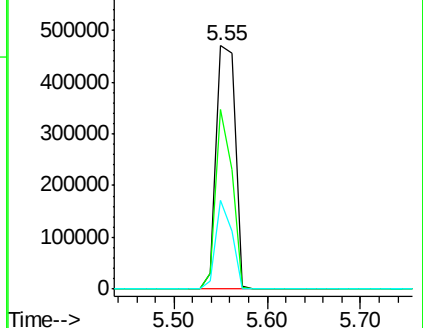
63 36.6 23.8 35.6#

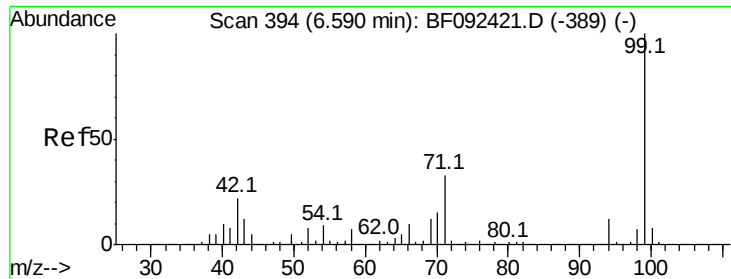


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.09 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.01 min

Lab File: BF092499.D

Acq: 26 Jan 2017 1:37

Instrument :

BNA\_F

ClientSampleId :

CAS-FB011917

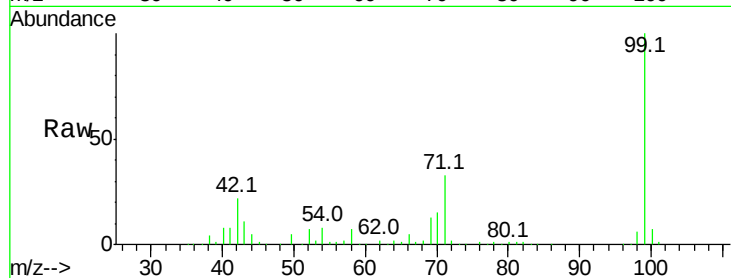
Tot Ion: 99 Resp: 500652

Ion Ratio Lower Upper

99 100

42 21.8 15.6 23.4

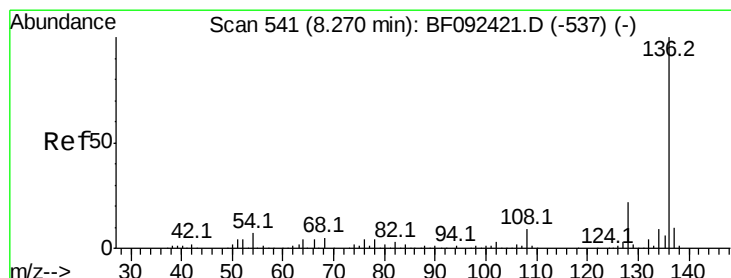
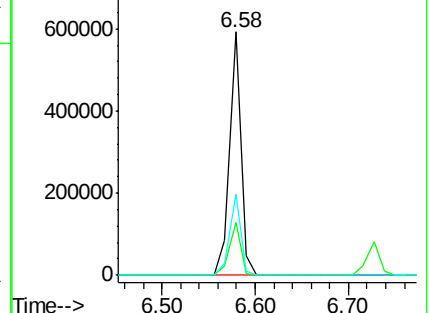
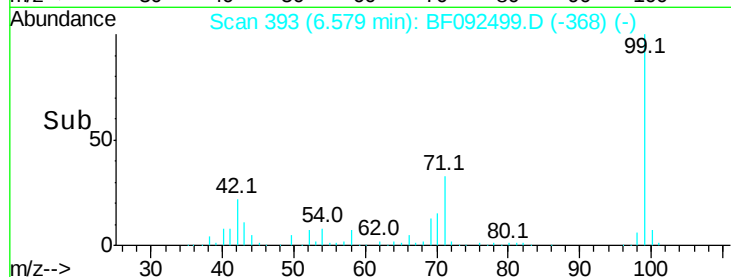
71 33.3 27.5 41.3



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: 8.26 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF092499.D

Acq: 26 Jan 2017 1:37

Tgt Ion: 136 Resp: 616651

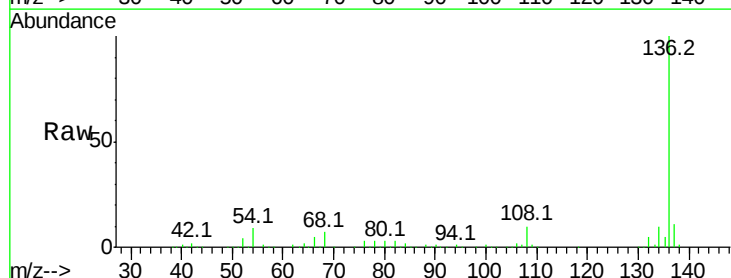
Ion Ratio Lower Upper

136 100

137 10.9 8.4 12.6

54 9.2 4.5 6.7#

68 6.5 3.6 5.4#

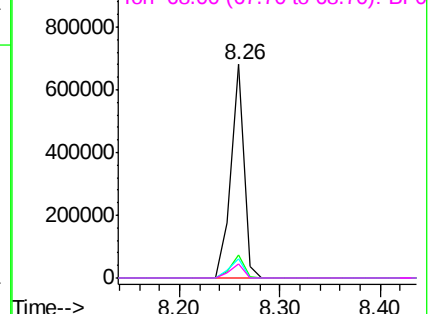
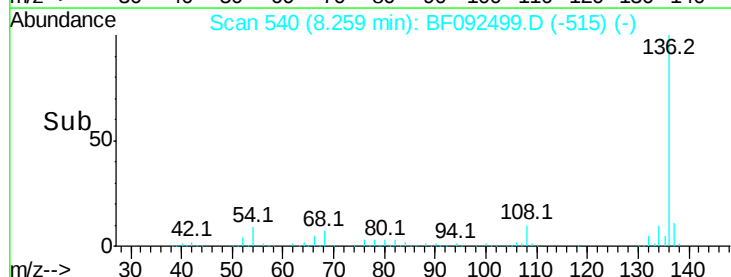


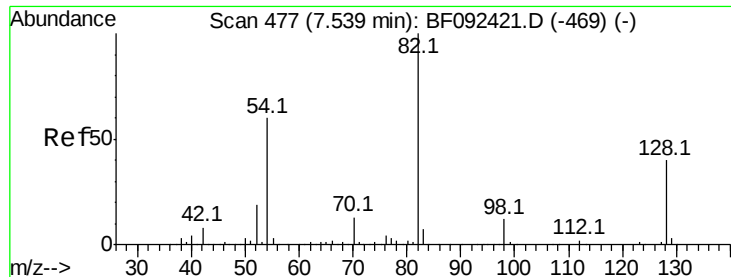
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

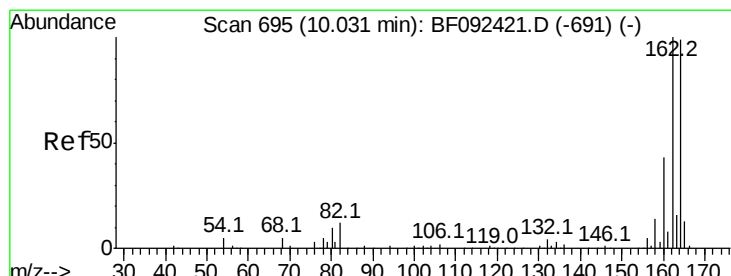
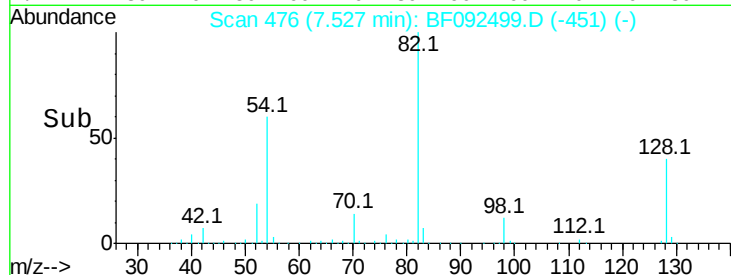
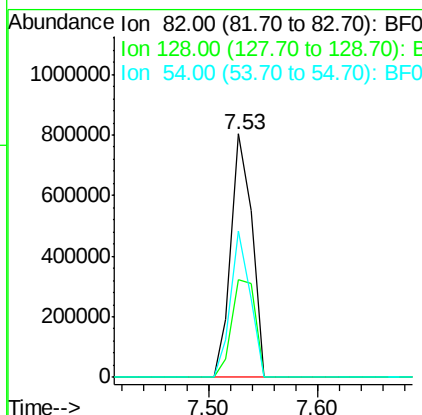
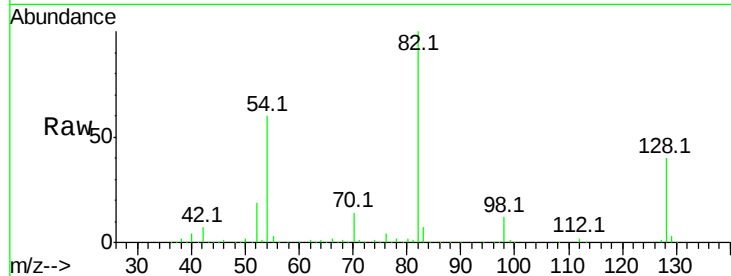




#23  
 Nitrobenzene-d5  
 Concen: 94.33 ng  
 RT: 7.53 min Scan# 476  
 Delta R.T. -0.01 min  
 Lab File: BF092499.D  
 Acq: 26 Jan 2017 1:37

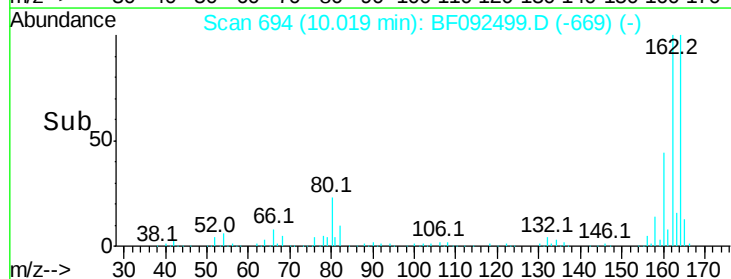
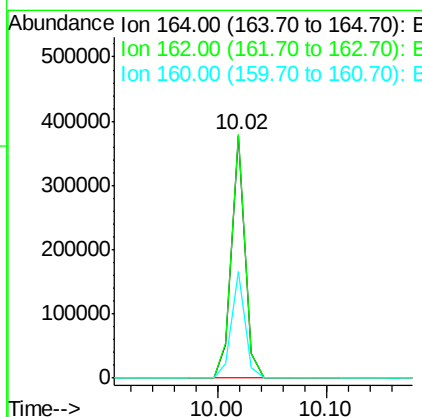
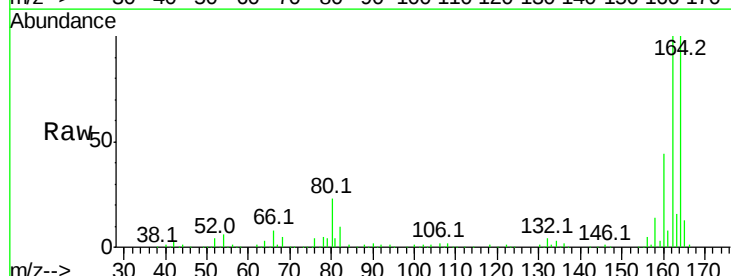
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CAS-FB011917

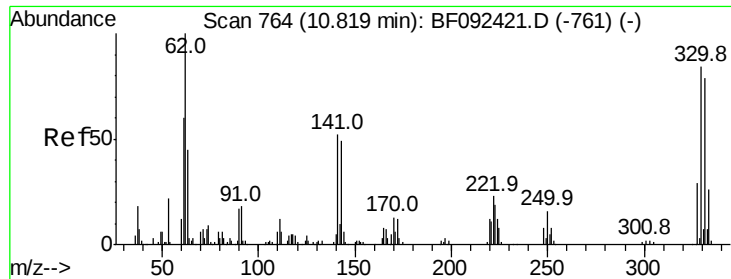
Tot Ion: 82 Resp: 1064911  
 Ion Ratio Lower Upper  
 82 100  
 128 40.0 34.6 52.0  
 54 60.1 39.5 59.3#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.02 min Scan# 694  
 Delta R.T. -0.01 min  
 Lab File: BF092499.D  
 Acq: 26 Jan 2017 1:37

Tgt Ion: 164 Resp: 324337  
 Ion Ratio Lower Upper  
 164 100  
 162 100.4 80.2 120.2  
 160 43.9 36.9 55.3





#41

2,4,6-Tribromophenol

Concen: 154.17 ng

RT: 10.81 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF092499.D

Acq: 26 Jan 2017 1:37

Instrument :

BNA\_F

ClientSampleId :

CAS-FB011917

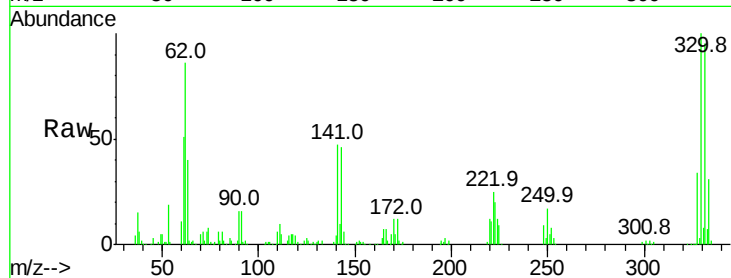
Tot Ion:330 Resp: 340749

Ion Ratio Lower Upper

330 100

332 97.1 77.4 116.2

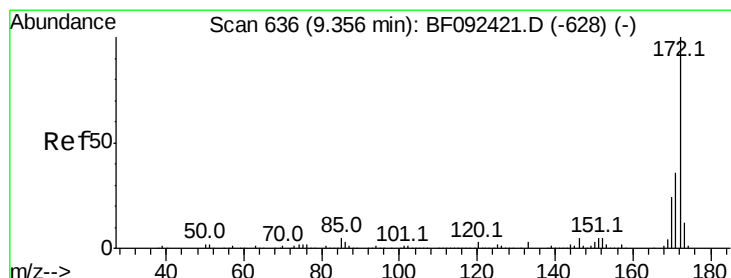
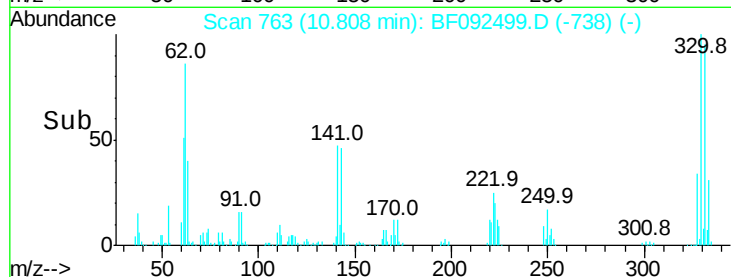
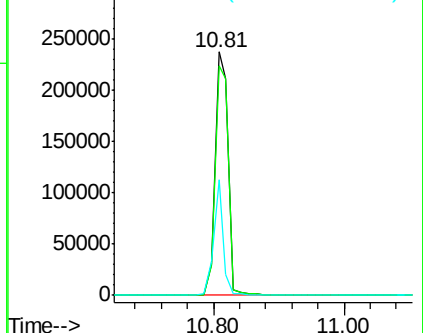
141 34.6 34.1 51.1



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: 97.84 ng

RT: 9.34 min Scan# 635

Delta R.T. -0.01 min

Lab File: BF092499.D

Acq: 26 Jan 2017 1:37

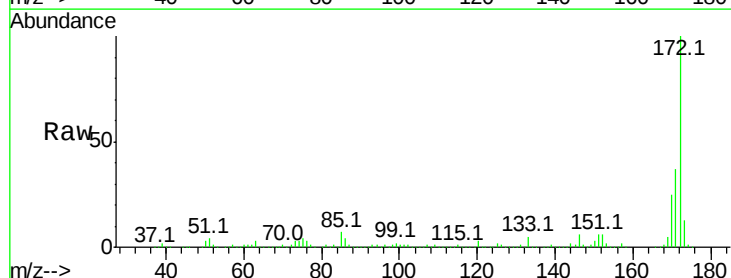
Tgt Ion:172 Resp: 1716159

Ion Ratio Lower Upper

172 100

171 36.7 29.4 44.0

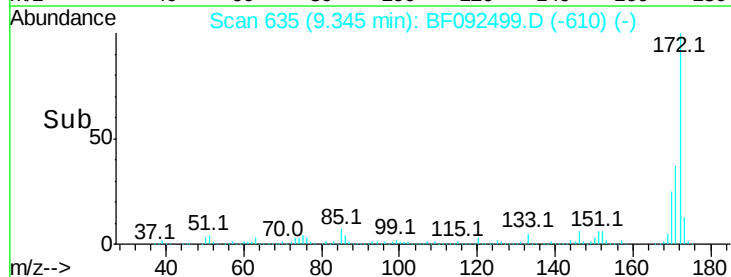
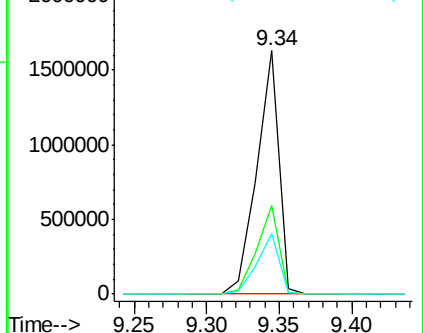
170 24.8 20.2 30.4

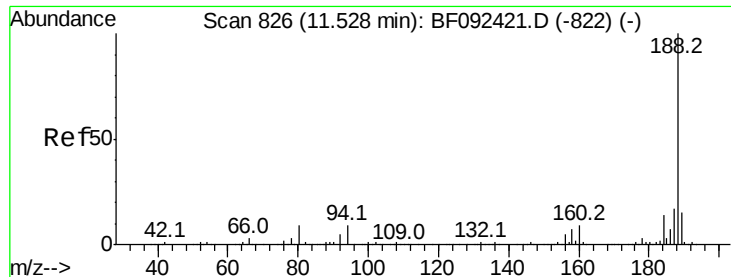


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

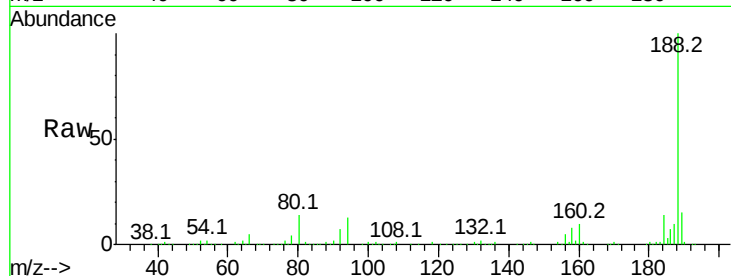




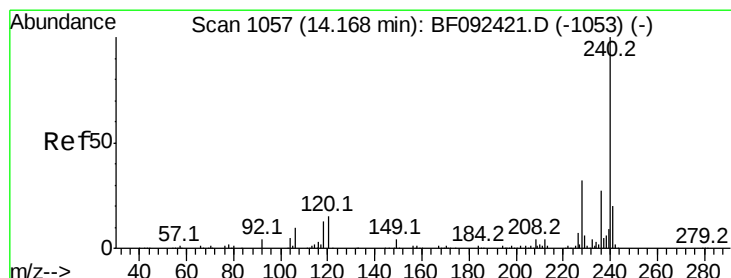
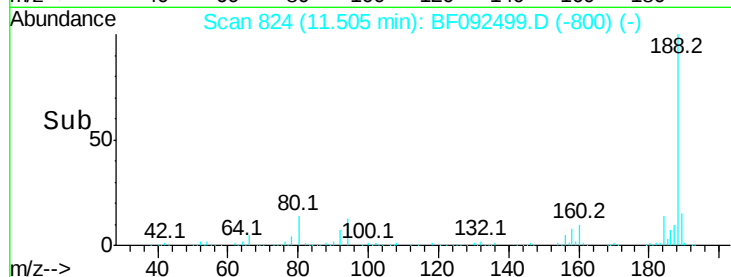
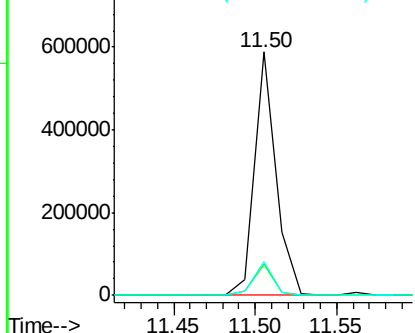
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.50 min Scan# 824  
Delta R.T. -0.02 min  
Lab File: BF092499.D  
Acq: 26 Jan 2017 1:37

Instrument :  
BNA\_F  
ClientSampleId :  
CAS-FB011917

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 12.7  | 10.0  | 15.0  |
| 80      | 13.9  | 11.2  | 16.8  |

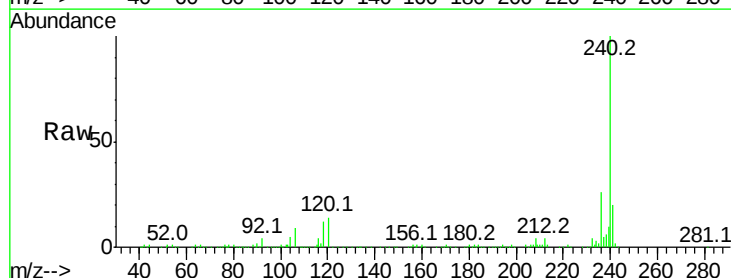


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

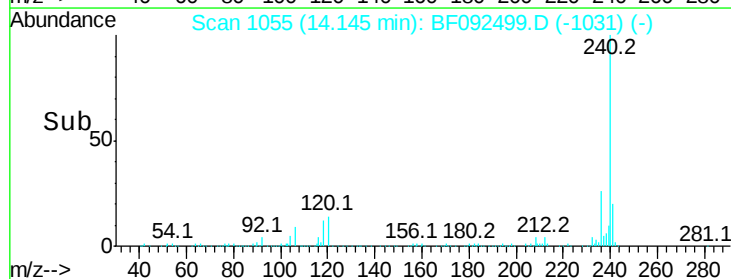
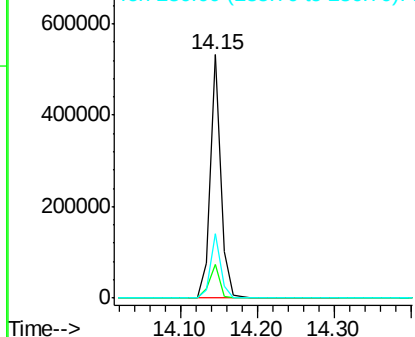


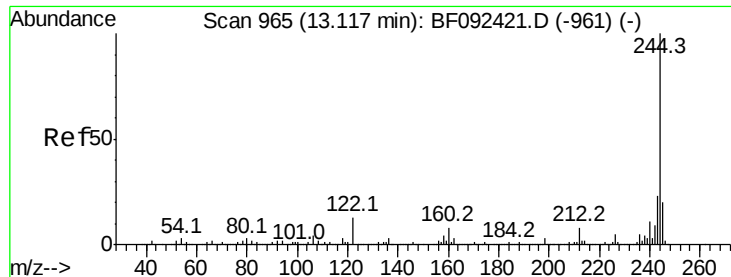
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.15 min Scan# 1055  
Delta R.T. -0.02 min  
Lab File: BF092499.D  
Acq: 26 Jan 2017 1:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 14.0  | 12.9  | 19.3  |
| 236     | 26.2  | 20.9  | 31.3  |



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: 93.79 ng

RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092499.D

Acq: 26 Jan 2017 1:37

Instrument :

BNA\_F

ClientSampleId :

CAS-FB011917

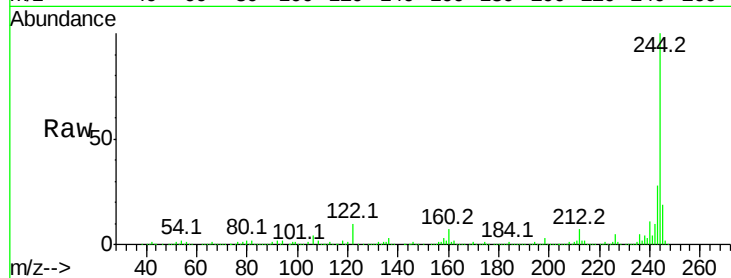
Tot Ion:244 Resp: 1752561

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

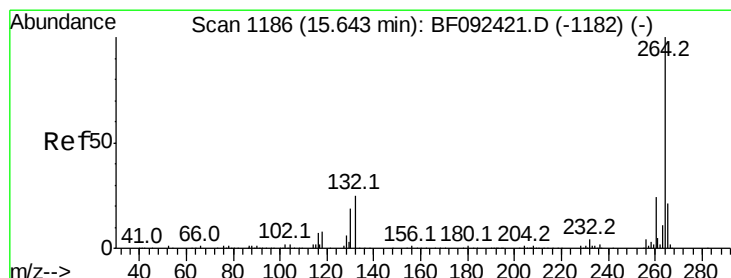
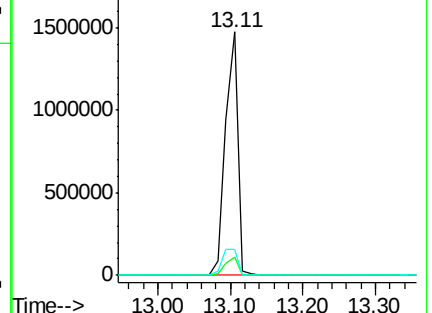
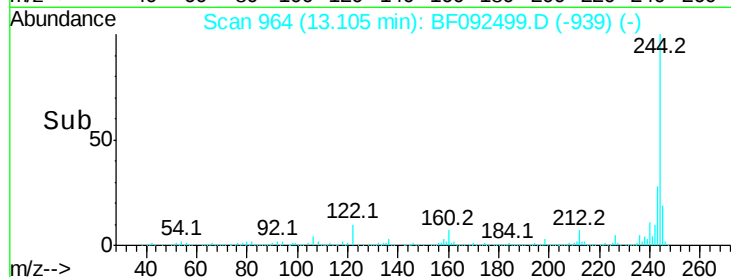
122 10.5 11.4 17.2#



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: 20.00 ng

RT: 15.62 min Scan# 1184

Delta R.T. -0.02 min

Lab File: BF092499.D

Acq: 26 Jan 2017 1:37

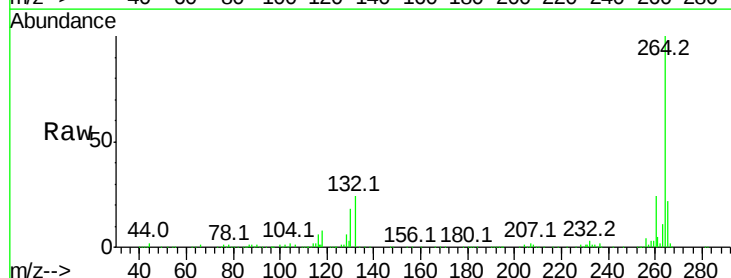
Tgt Ion:264 Resp: 419644

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.7 17.4 26.0



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

