

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122716\  
 Data File : BF091978.D  
 Acq On : 27 Dec 2016 20:08  
 Operator : UM/SJ  
 Sample : H6244-02  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PZ-6

Quant Time: Dec 28 01:04:16 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 21 16:17:51 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.73  | 152  | 248209   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 8.02  | 136  | 1035615  | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.77  | 164  | 478310   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.25 | 188  | 700305   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.89 | 240  | 546391   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.29 | 264  | 412162   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.34  | 112  | 979452   | 65.89  | ng    | 0.00     |
| 7) Phenol-d6                | 6.40  | 99   | 804606   | 44.33  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.30  | 82   | 1476277  | 79.27  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.57 | 330  | 453540   | 114.58 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.10  | 172  | 2614172  | 116.81 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.84 | 244  | 1931012  | 85.71  | ng    | -0.01    |

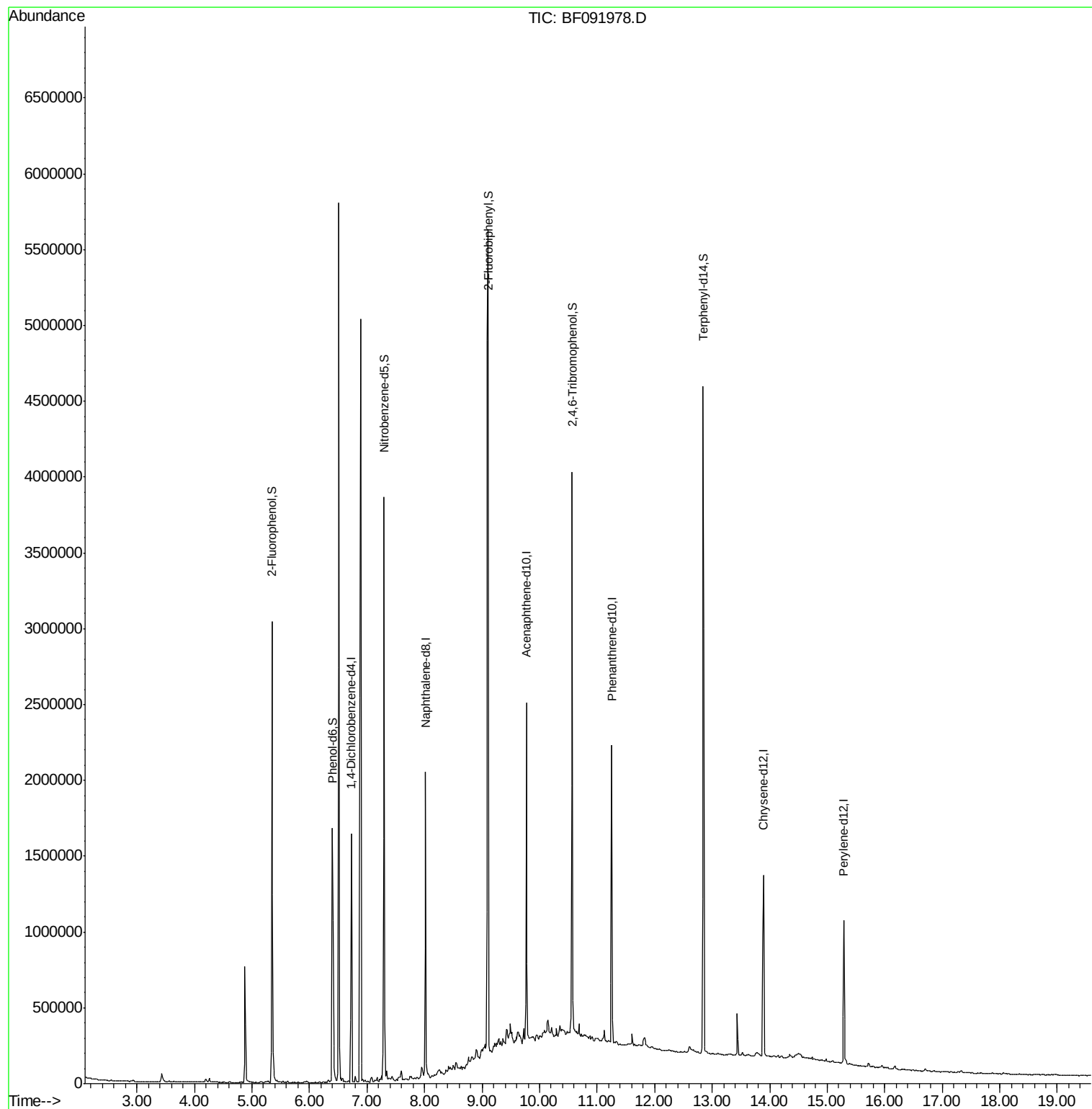
Target Compounds Qvalue

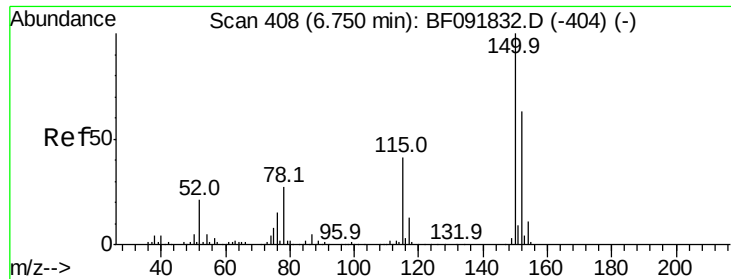
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF091978.D

Acq: 27 Dec 2016 20:08

Instrument :

BNA\_F

ClientSampleId :

PZ-6

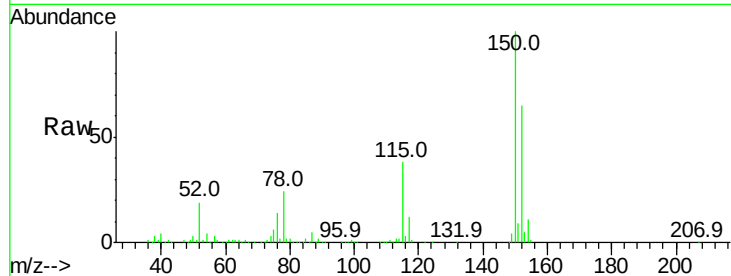
Tot Ion:152 Resp: 248209

Ion Ratio Lower Upper

152 100

150 153.9 124.9 187.3

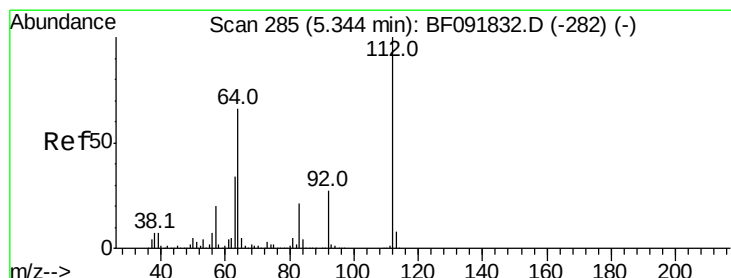
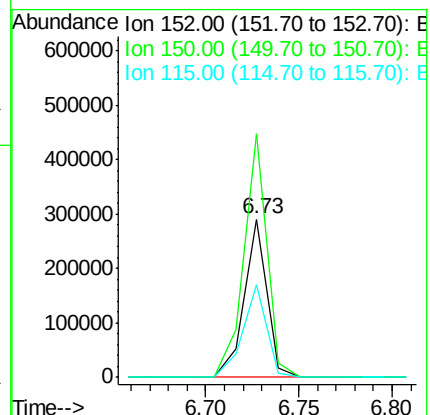
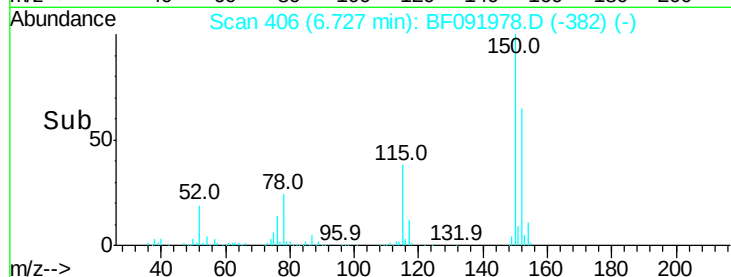
115 58.5 46.0 69.0



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: 65.89 ng

RT: 5.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: BF091978.D

Acq: 27 Dec 2016 20:08

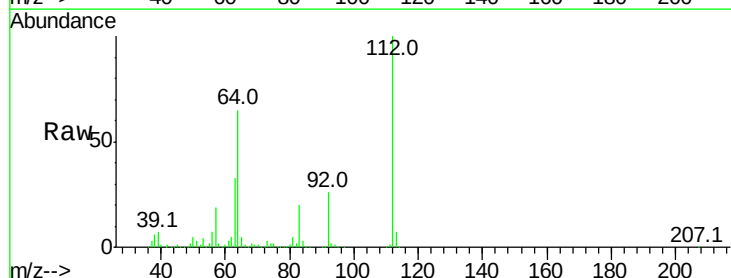
Tgt Ion:112 Resp: 979452

Ion Ratio Lower Upper

112 100

64 64.6 46.1 69.1

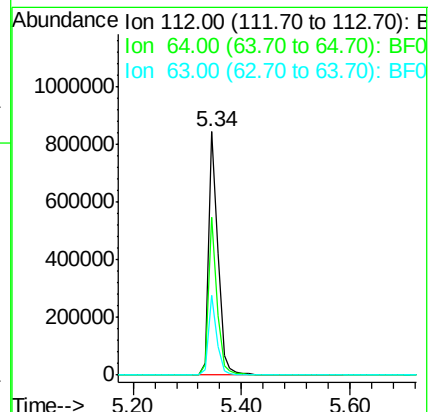
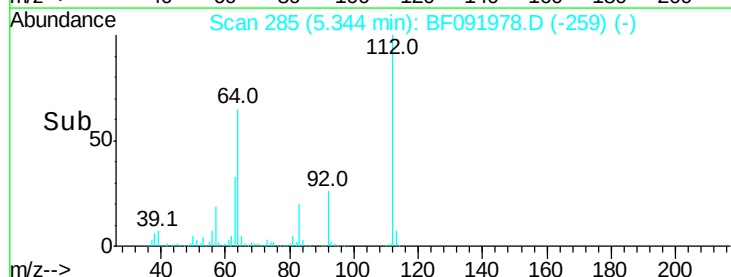
63 32.7 23.8 35.6

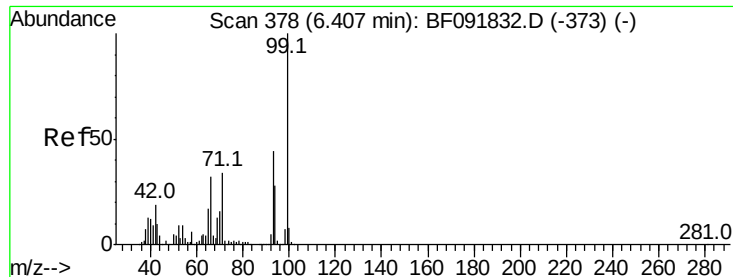


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 44.33 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF091978.D

Acq: 27 Dec 2016 20:08

Instrument :

BNA\_F

ClientSampleId :

PZ-6

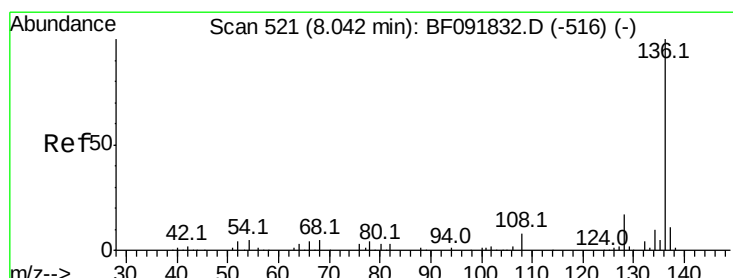
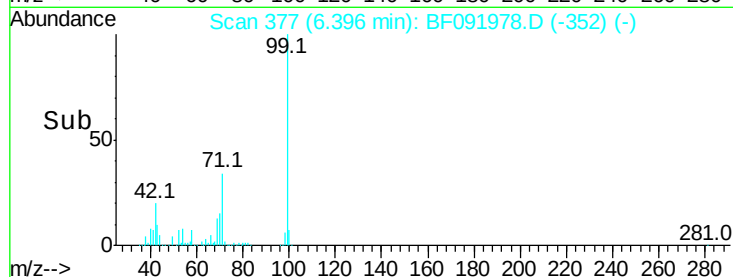
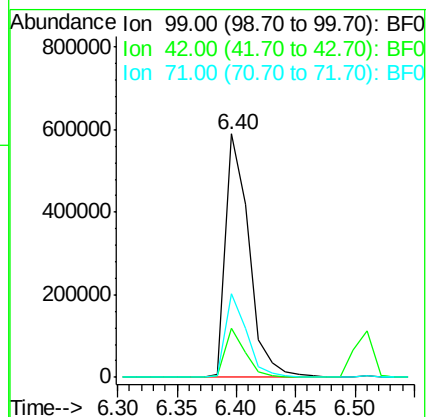
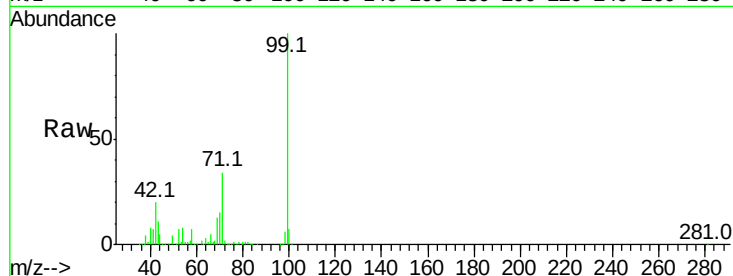
Tot Ion: 99 Resp: 804606

Ion Ratio Lower Upper

99 100

42 20.4 15.6 23.4

71 34.2 27.5 41.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.02 min

Lab File: BF091978.D

Acq: 27 Dec 2016 20:08

Tgt Ion: 136 Resp: 1035615

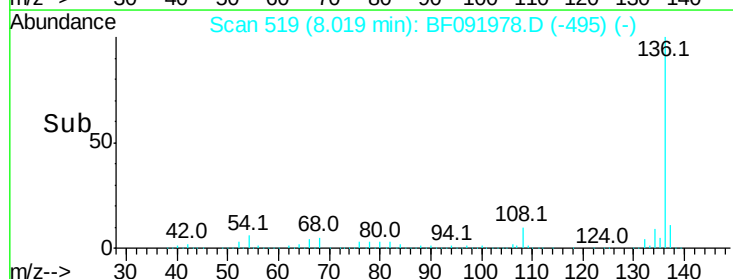
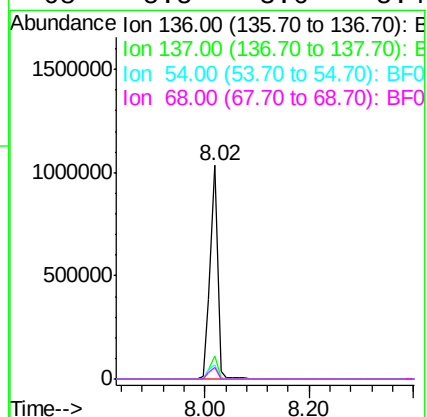
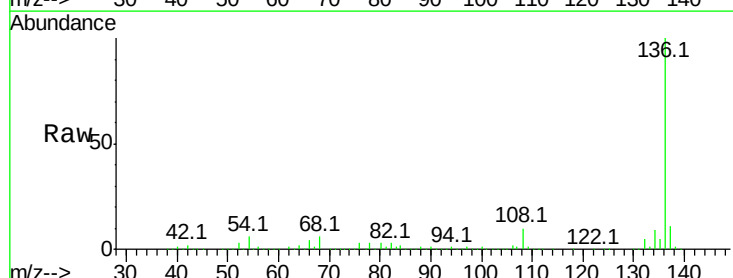
Ion Ratio Lower Upper

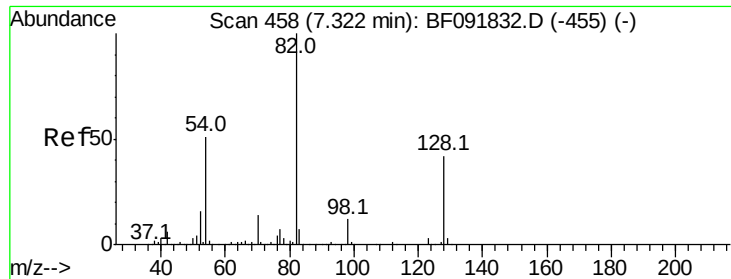
136 100

137 10.9 8.4 12.6

54 6.4 4.5 6.7

68 5.5 3.6 5.4#

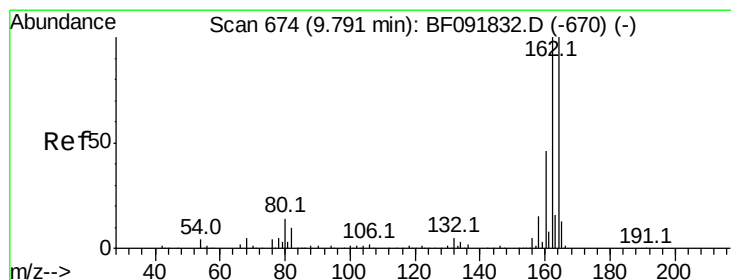
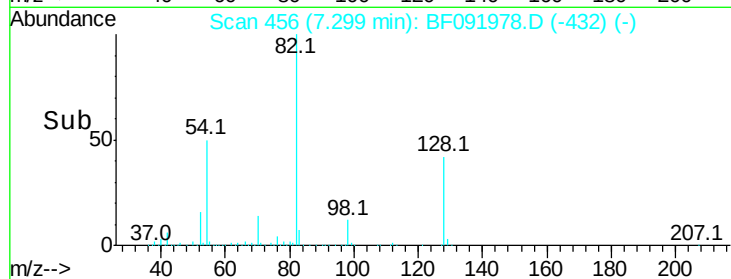
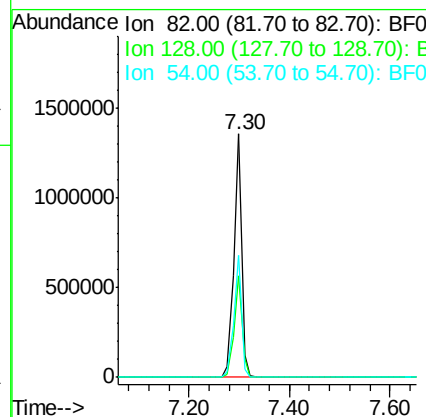
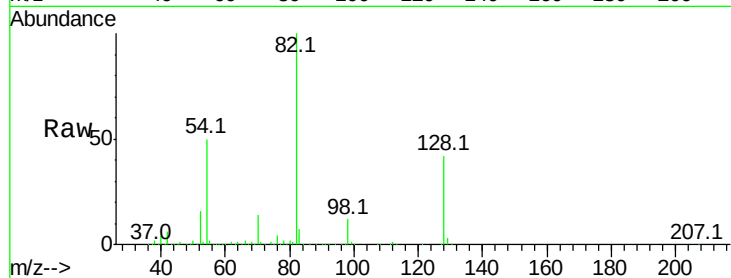




#23  
Nitrobenzene-d5  
Concen: 79.27 ng  
RT: 7.30 min Scan# 456  
Delta R.T. -0.02 min  
Lab File: BF091978.D  
Acq: 27 Dec 2016 20:08

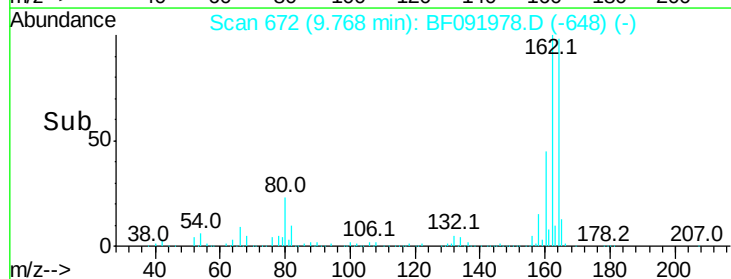
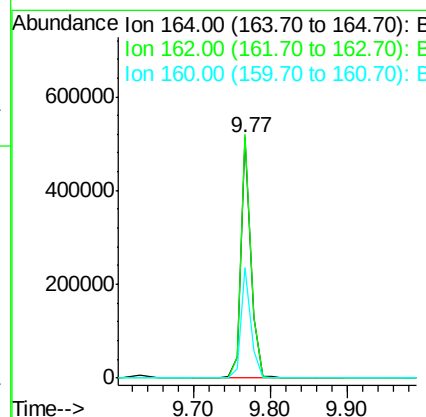
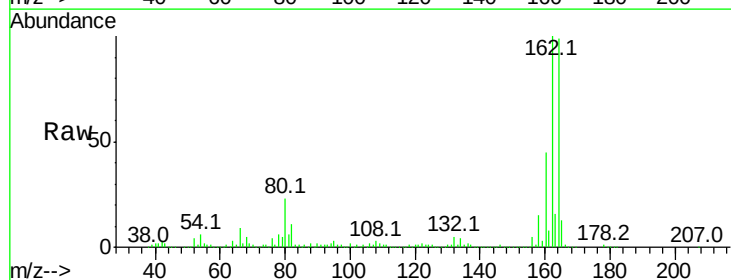
Instrument :  
BNA\_F  
ClientSampleId :  
PZ-6

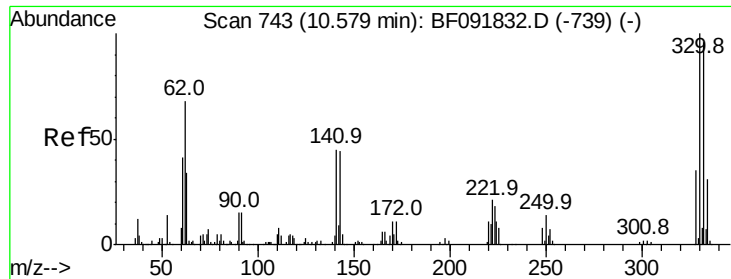
Tot Ion: 82 Resp: 1476277  
Ion Ratio Lower Upper  
82 100  
128 41.9 34.6 52.0  
54 50.0 39.5 59.3



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.77 min Scan# 672  
Delta R.T. -0.02 min  
Lab File: BF091978.D  
Acq: 27 Dec 2016 20:08

Tgt Ion:164 Resp: 478310  
Ion Ratio Lower Upper  
164 100  
162 101.2 80.2 120.2  
160 45.7 36.9 55.3

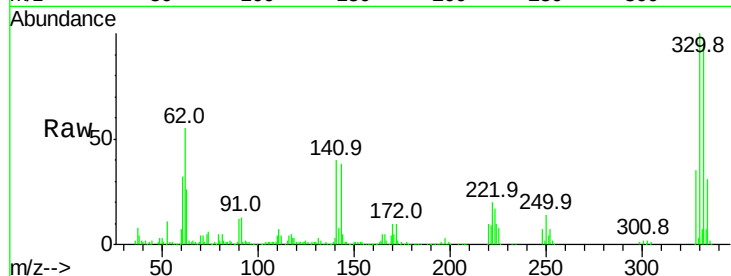




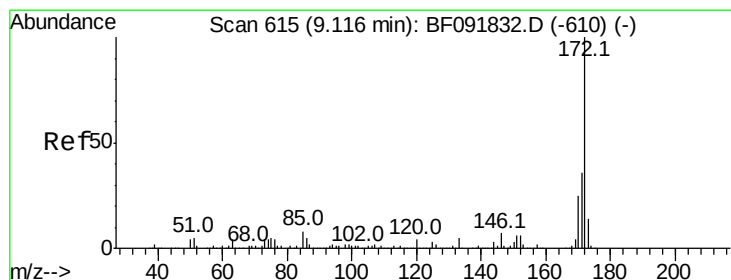
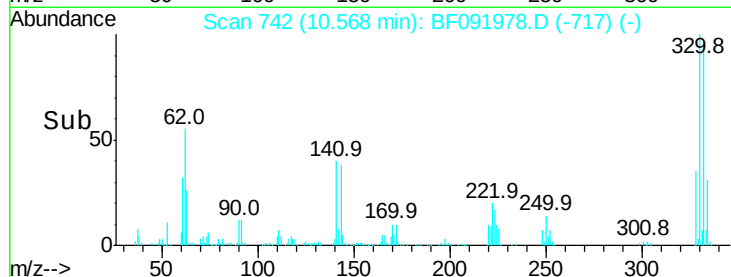
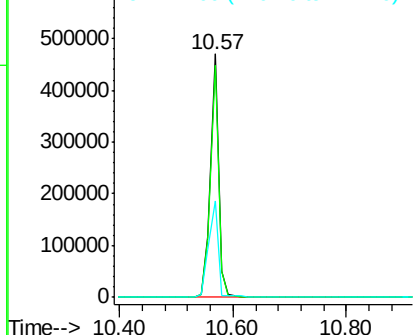
#41  
 2,4,6-Tribromophenol  
 Concen: 114.58 ng  
 RT: 10.57 min Scan# 742  
 Delta R.T. -0.01 min  
 Lab File: BF091978.D  
 Acq: 27 Dec 2016 20:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PZ-6

Tot Ion:330 Resp: 453540  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 77.4 116.2  
 141 44.3 34.1 51.1

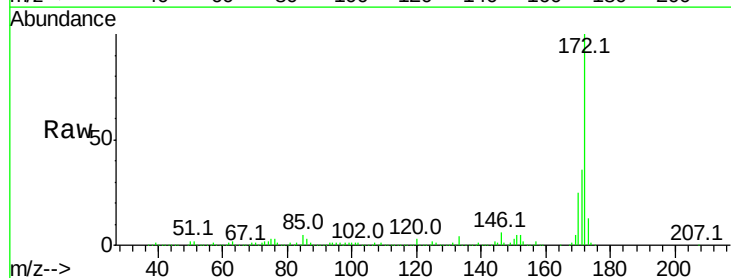


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

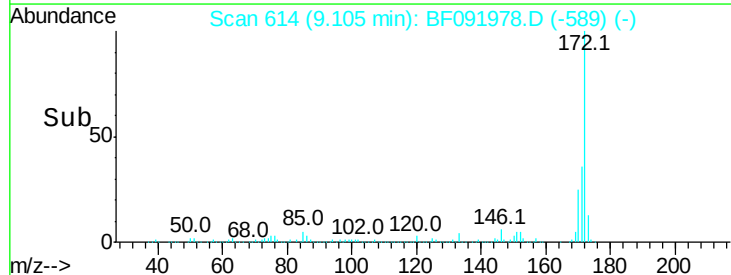
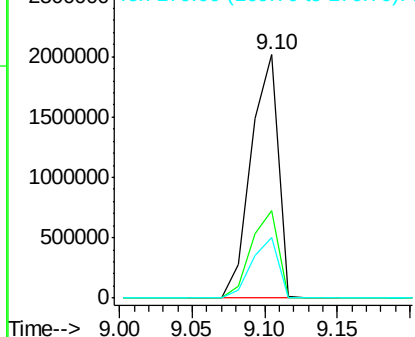


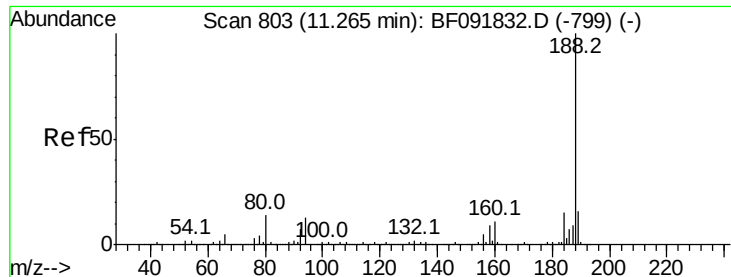
#44  
 2-Fluorobiphenyl  
 Concen: 116.81 ng  
 RT: 9.10 min Scan# 614  
 Delta R.T. -0.01 min  
 Lab File: BF091978.D  
 Acq: 27 Dec 2016 20:08

Tgt Ion:172 Resp: 2614172  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 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

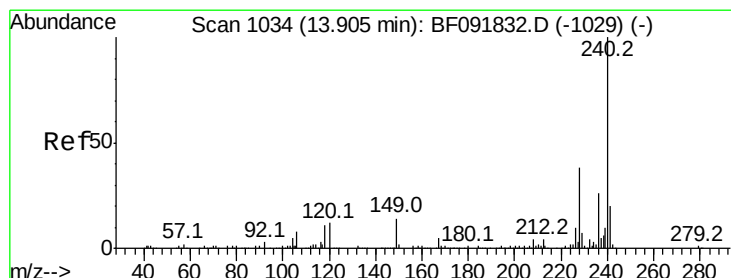
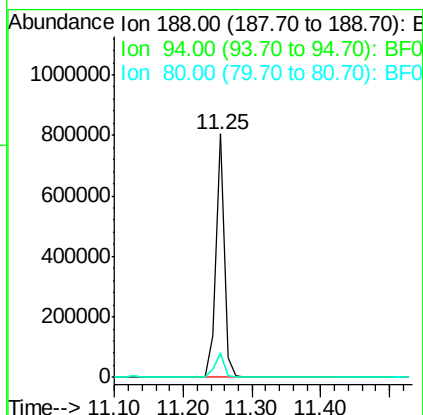
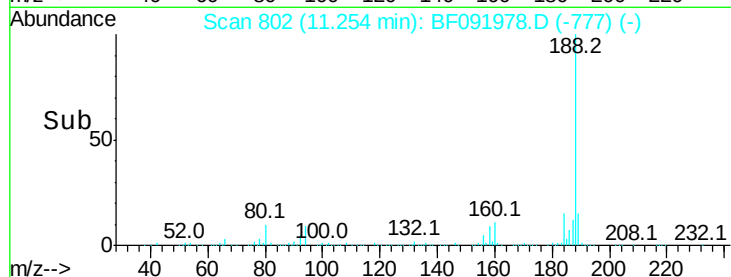
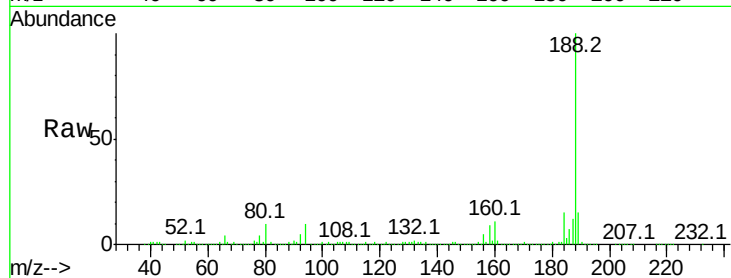




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.25 min Scan# 802  
Delta R.T. -0.01 min  
Lab File: BF091978.D  
Acq: 27 Dec 2016 20:08

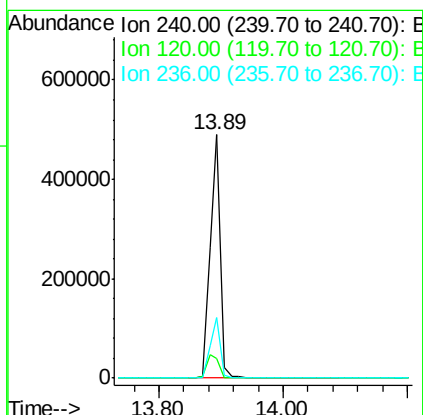
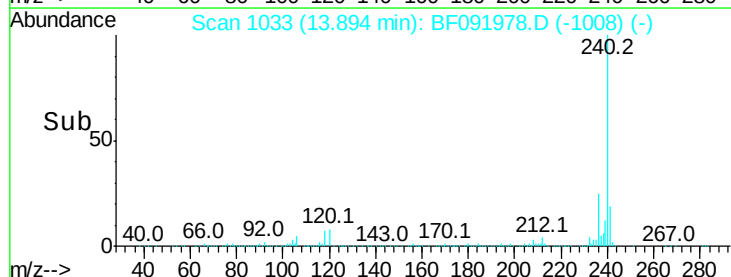
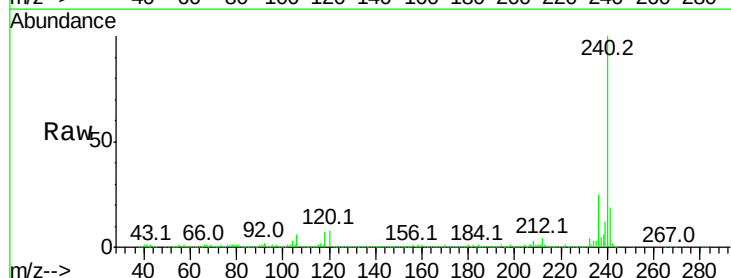
Instrument :  
BNA\_F  
ClientSampleId :  
PZ-6

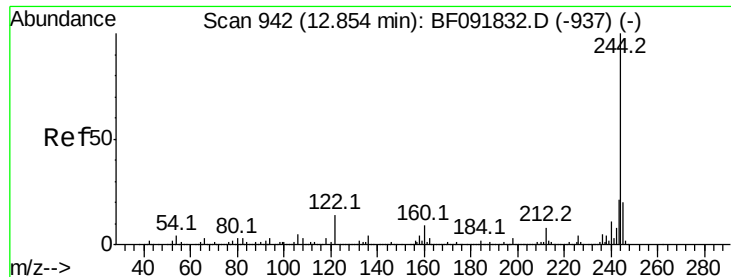
Tot Ion:188 Resp: 700305  
Ion Ratio Lower Upper  
188 100  
94 9.7 10.0 15.0#  
80 10.4 11.2 16.8#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.89 min Scan# 1033  
Delta R.T. -0.01 min  
Lab File: BF091978.D  
Acq: 27 Dec 2016 20:08

Tgt Ion:240 Resp: 546391  
Ion Ratio Lower Upper  
240 100  
120 8.3 12.9 19.3#  
236 24.7 20.9 31.3





#78

Terphenyl-d14

Concen: 85.71 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF091978.D

Acq: 27 Dec 2016 20:08

Instrument :

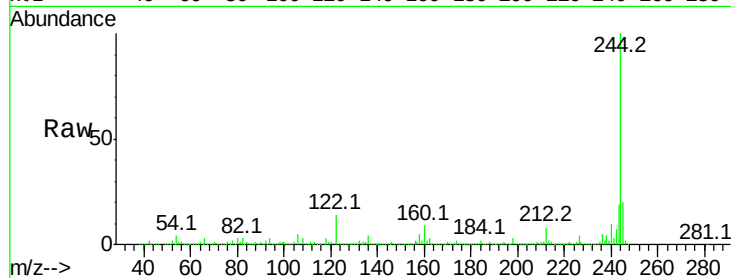
BNA\_F

ClientSampleId :

PZ-6

Tot Ion:244 Resp: 1931012

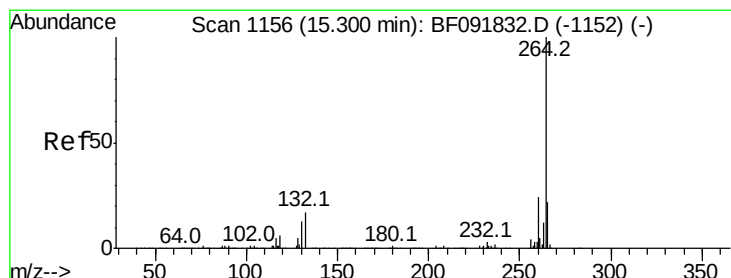
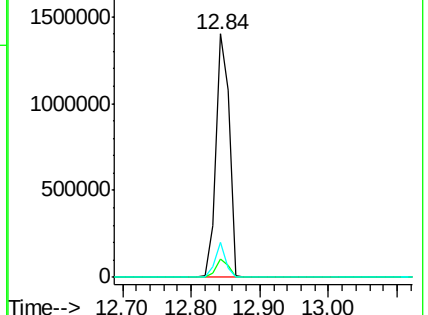
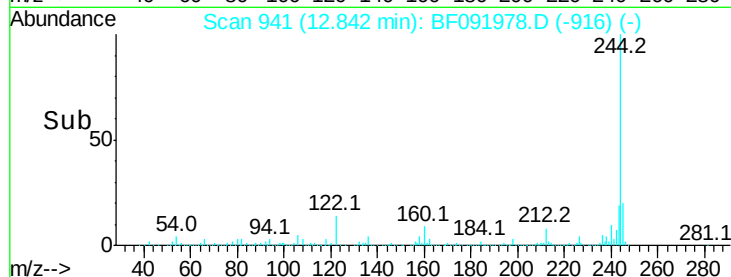
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.8   | 6.2   | 9.2   |
| 122 | 14.4  | 11.4  | 17.2  |



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: 15.29 min Scan# 1155

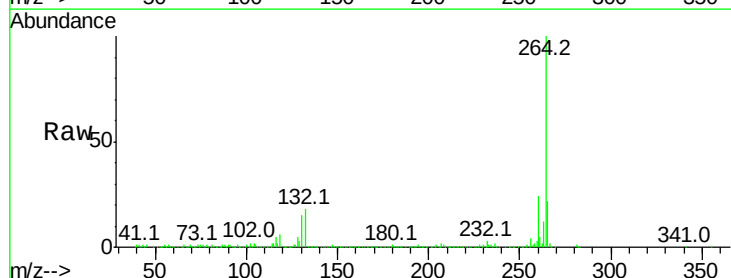
Delta R.T. -0.01 min

Lab File: BF091978.D

Acq: 27 Dec 2016 20:08

Tgt Ion:264 Resp: 412162

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.7  | 19.2  | 28.8  |
| 265 | 22.3  | 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

