

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111414\  
 Data File : BF075523.D  
 Acq On : 15 Nov 2014 6:26  
 Operator : TP / JJ  
 Sample : PB80209BL  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB80209BL

Quant Time: Nov 16 02:33:52 2014  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF111214.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Nov 16 02:30:12 2014  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.54  | 152  | 49687    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 9.13  | 136  | 203021   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 11.30 | 164  | 101593   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 13.16 | 188  | 177182   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 16.45 | 240  | 184008   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 18.20 | 264  | 188096   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.84  | 112  | 402737   | 143.19 | ng    | 0.01     |
| 7) Phenol-d6                | 7.09  | 99   | 472770   | 139.78 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.24  | 82   | 280204   | 101.19 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 12.29 | 330  | 112029   | 131.66 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 10.47 | 172  | 531450   | 94.53  | ng    | -0.01    |
| 78) Terphenyl-d14           | 15.16 | 244  | 598418   | 87.55  | ng    | 0.00     |

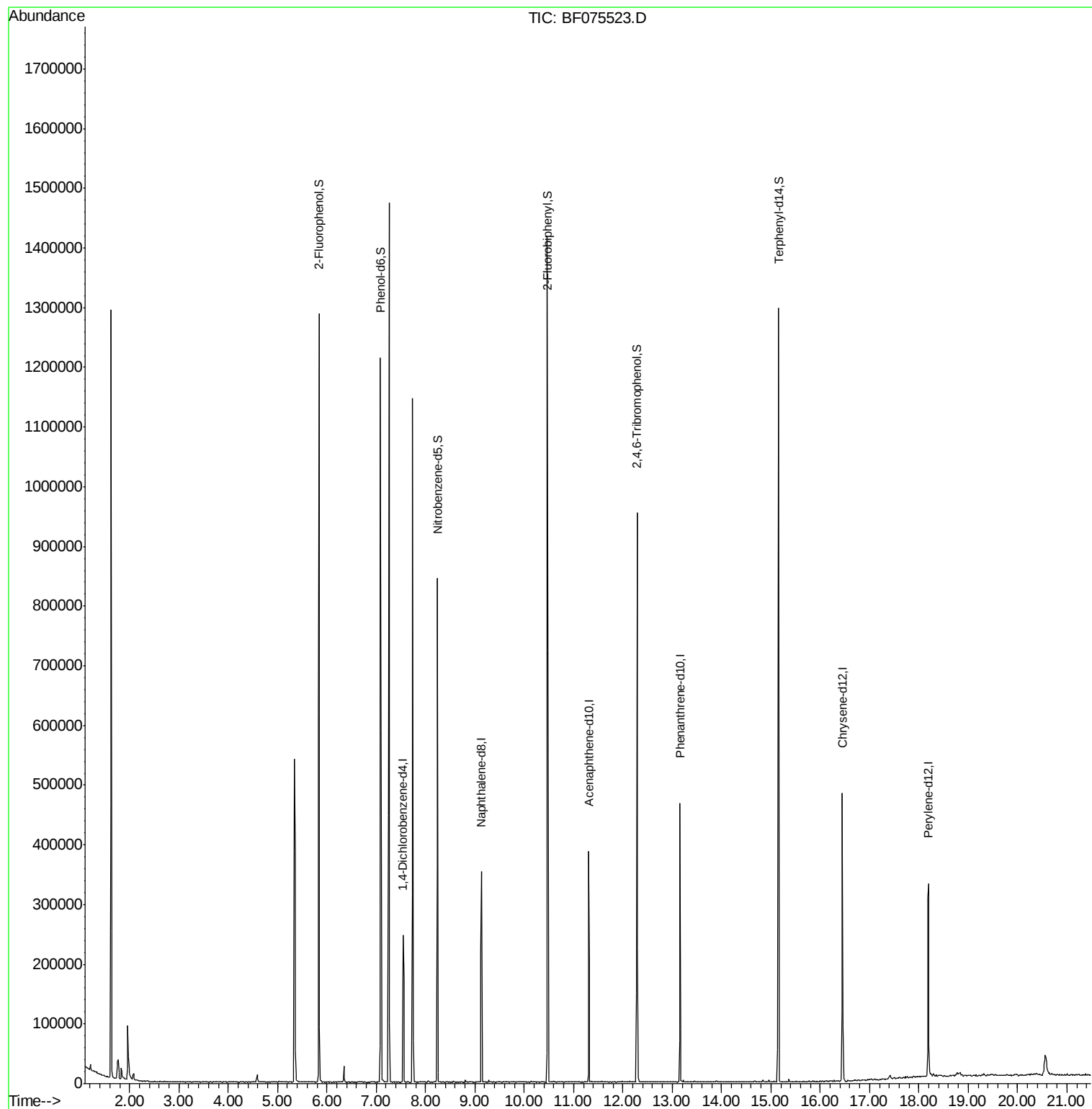
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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QLast Update : Sun Nov 16 02:30:12 2014  
Response via : Initial Calibration



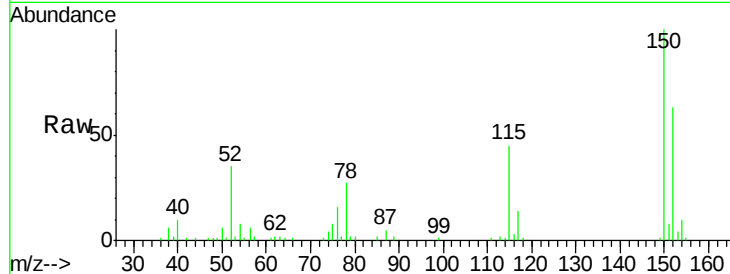


#1

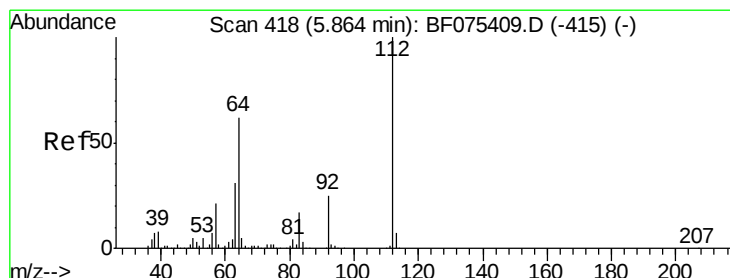
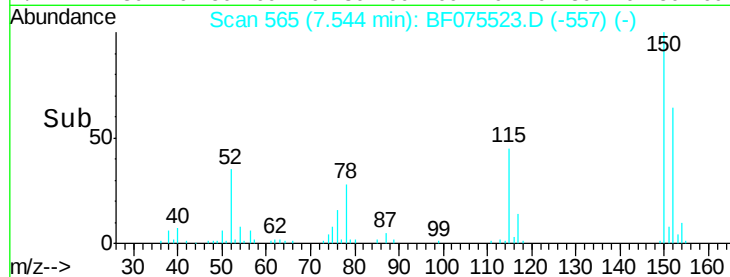
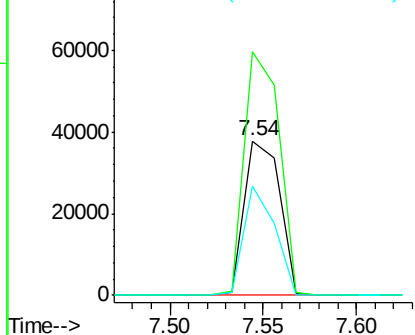
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.54 min Scan# 565  
Delta R.T. -0.01 min  
Lab File: BF075523.D  
Acq: 15 Nov 2014 6:26

Instrument :  
BNA\_F  
ClientSampleId :  
PB80209BL

Tgt Ion:152 Resp: 49687  
Ion Ratio Lower Upper  
152 100  
150 157.6 127.2 190.8  
115 71.0 57.1 85.7



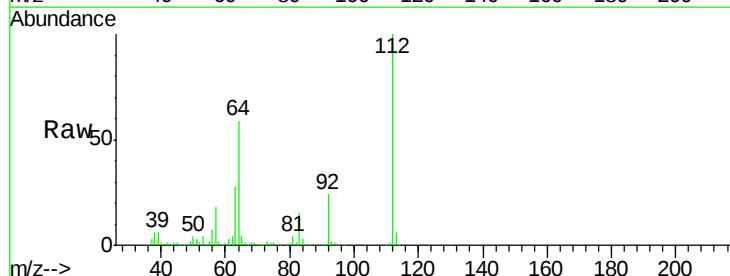
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



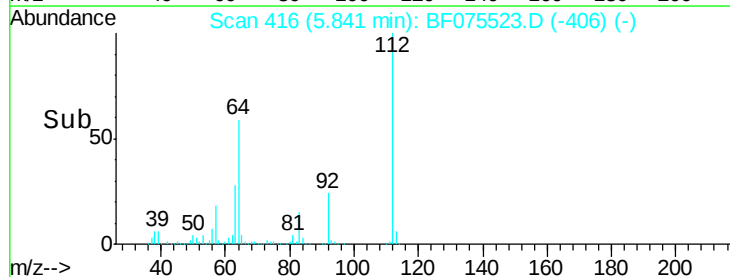
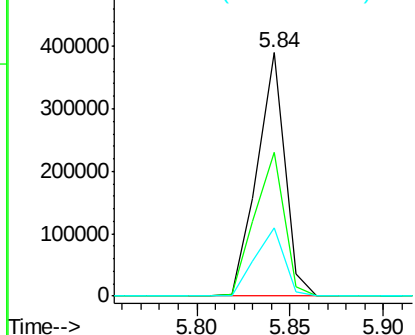
#5

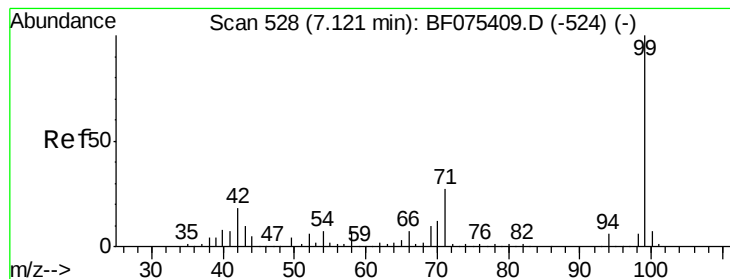
2-Fluorophenol  
Concen: 143.19 ng  
RT: 5.84 min Scan# 416  
Delta R.T. 0.01 min  
Lab File: BF075523.D  
Acq: 15 Nov 2014 6:26

Tgt Ion:112 Resp: 402737  
Ion Ratio Lower Upper  
112 100  
64 59.0 45.8 68.6  
63 28.3 22.7 34.1



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: 139.78 ng

RT: 7.09 min Scan# 525

Delta R.T. -0.00 min

Lab File: BF075523.D

Acq: 15 Nov 2014 6:26

Instrument :

BNA\_F

ClientSampled :

PB80209BL

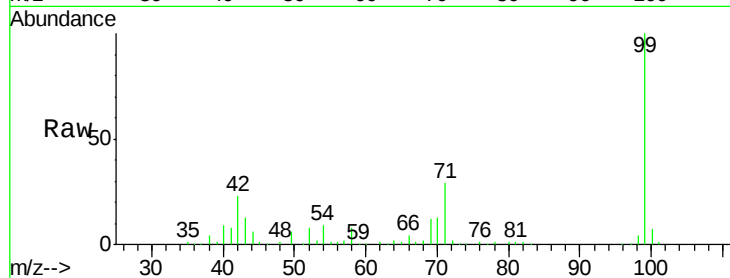
Tgt Ion: 99 Resp: 472770

Ion Ratio Lower Upper

99 100

42 23.5 19.8 29.6

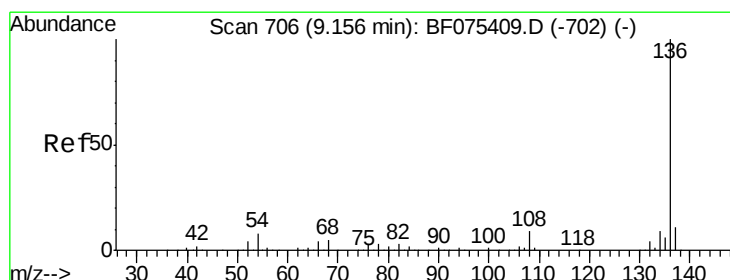
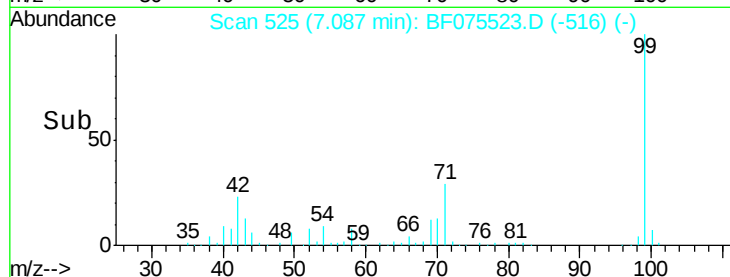
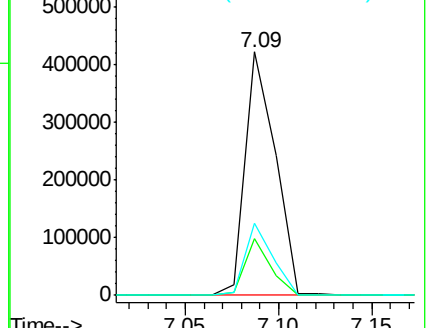
71 29.4 25.5 38.3



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: 9.13 min Scan# 704

Delta R.T. -0.00 min

Lab File: BF075523.D

Acq: 15 Nov 2014 6:26

Tgt Ion: 136 Resp: 203021

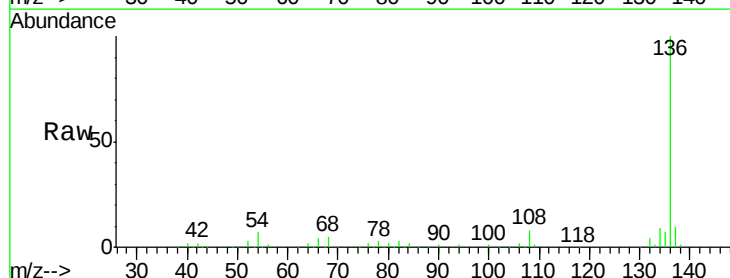
Ion Ratio Lower Upper

136 100

137 10.2 8.2 12.4

54 7.3 6.2 9.4

68 5.1 3.4 5.2

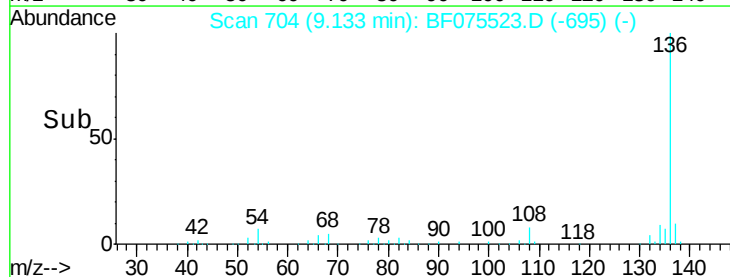
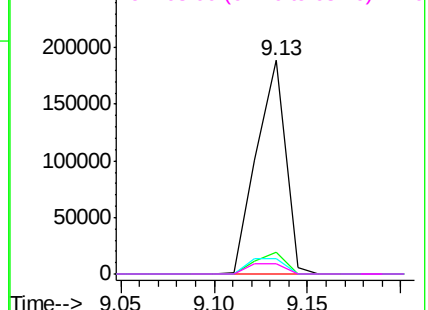


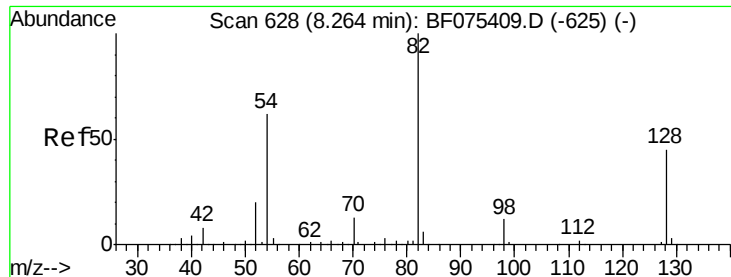
Abundance Ion 136.00 (135.70 to 136.70): E

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

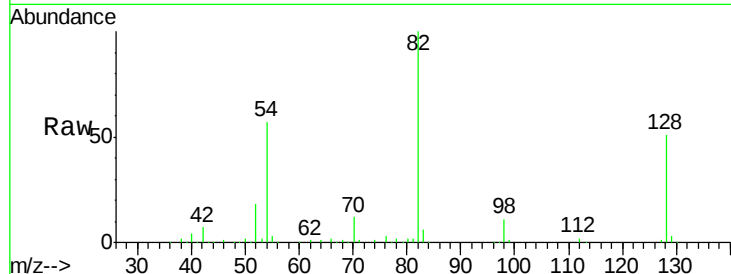




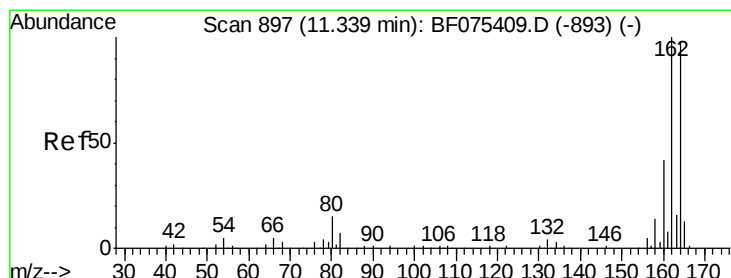
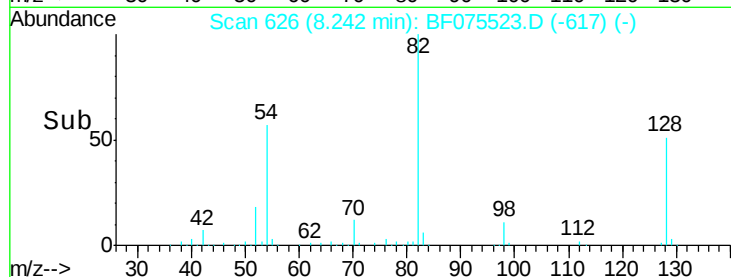
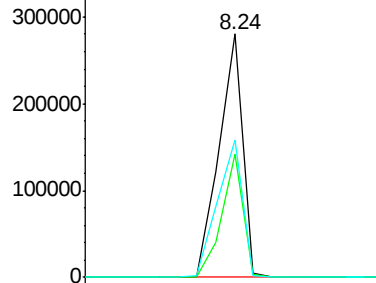
#23  
 Nitrobenzene-d5  
 Concen: 101.19 ng  
 RT: 8.24 min Scan# 626  
 Delta R.T. -0.00 min  
 Lab File: BF075523.D  
 Acq: 15 Nov 2014 6:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB80209BL

Tgt Ion: 82 Resp: 280204  
 Ion Ratio Lower Upper  
 82 100  
 128 50.7 37.8 56.6  
 54 56.6 49.8 74.8

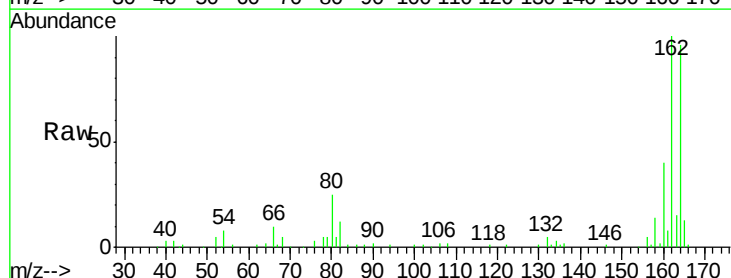


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

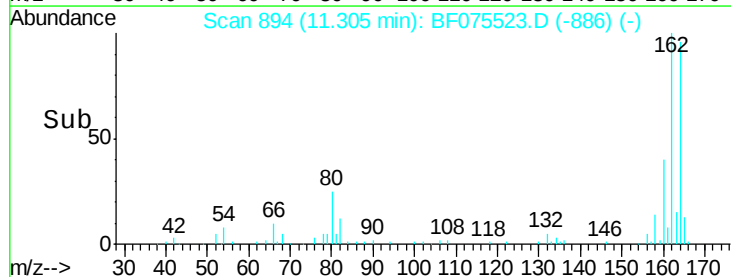
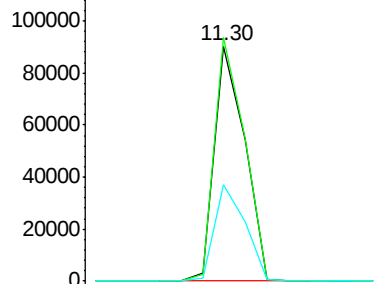


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 11.30 min Scan# 894  
 Delta R.T. -0.01 min  
 Lab File: BF075523.D  
 Acq: 15 Nov 2014 6:26

Tgt Ion: 164 Resp: 101593  
 Ion Ratio Lower Upper  
 164 100  
 162 103.7 79.1 118.7  
 160 41.4 34.6 51.8



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

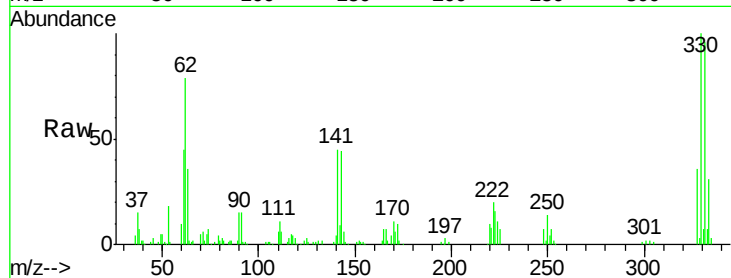




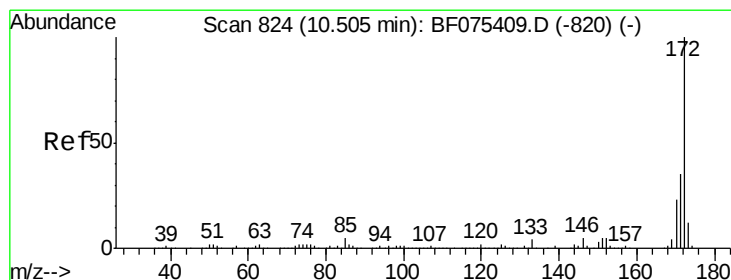
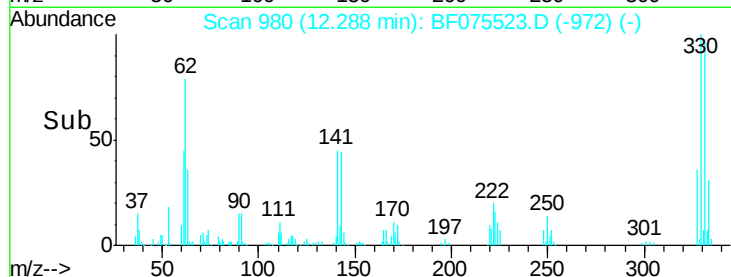
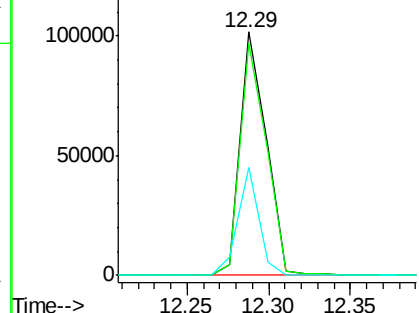
#41  
 2,4,6-Tribromophenol  
 Concen: 131.66 ng  
 RT: 12.29 min Scan# 980  
 Delta R.T. -0.01 min  
 Lab File: BF075523.D  
 Acq: 15 Nov 2014 6:26

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB80209BL

Tgt Ion:330 Resp: 112029  
 Ion Ratio Lower Upper  
 330 100  
 332 95.5 74.5 111.7  
 141 36.2 30.7 46.1

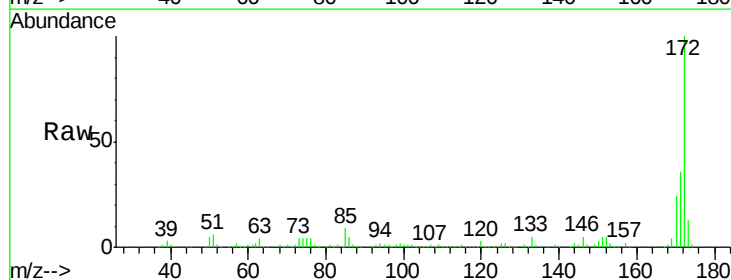


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

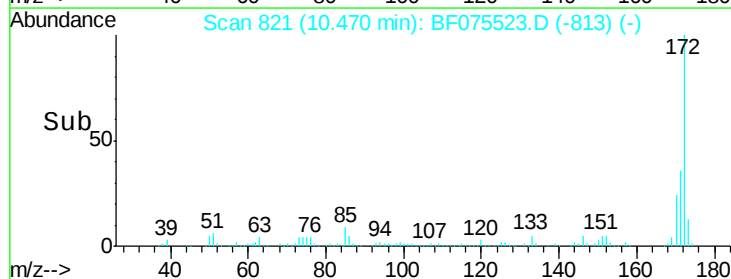
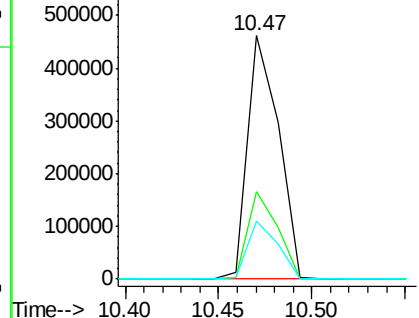


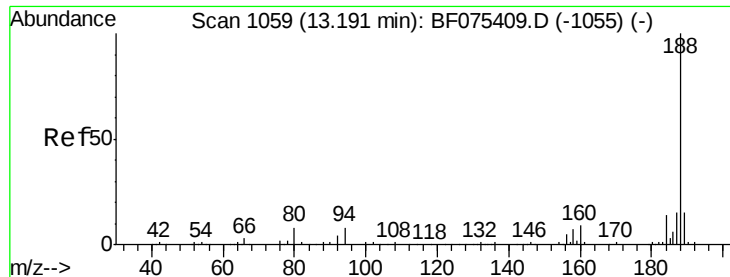
#44  
 2-Fluorobiphenyl  
 Concen: 94.53 ng  
 RT: 10.47 min Scan# 821  
 Delta R.T. -0.01 min  
 Lab File: BF075523.D  
 Acq: 15 Nov 2014 6:26

Tgt Ion:172 Resp: 531450  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 27.3 40.9  
 170 23.7 18.4 27.6



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

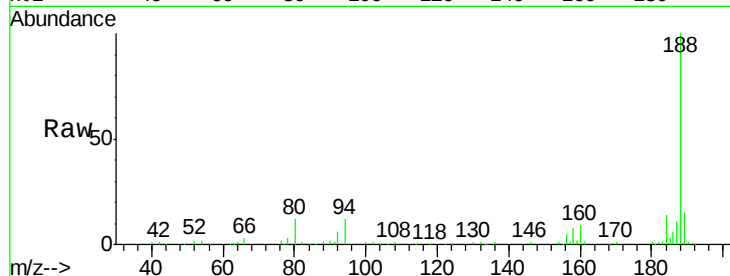




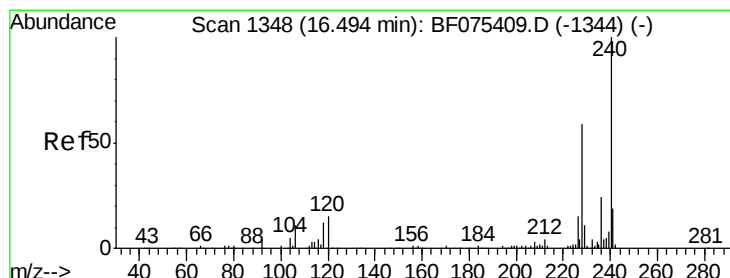
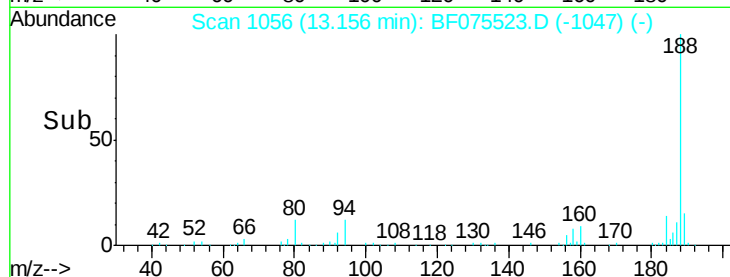
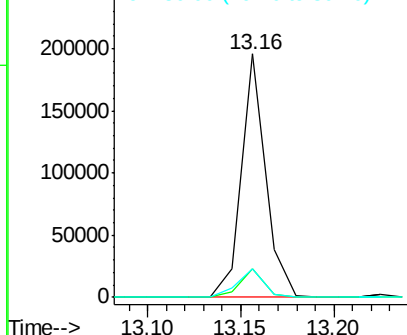
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 13.16 min Scan# 1056  
Delta R.T. -0.00 min  
Lab File: BF075523.D  
Acq: 15 Nov 2014 6:26

Instrument :  
BNA\_F  
ClientSampleId :  
PB80209BL

Tgt Ion:188 Resp: 177182  
Ion Ratio Lower Upper  
188 100  
94 11.6 7.8 11.6  
80 11.8 8.0 12.0

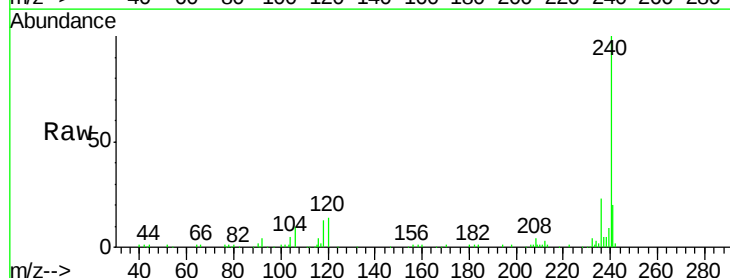


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

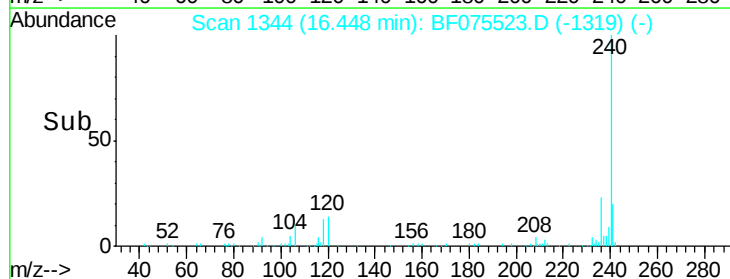
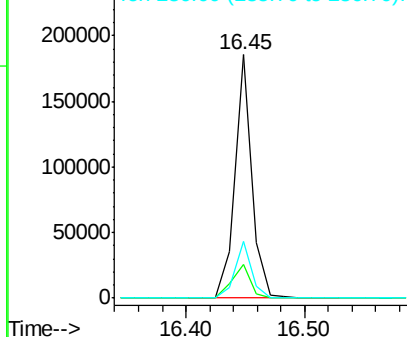


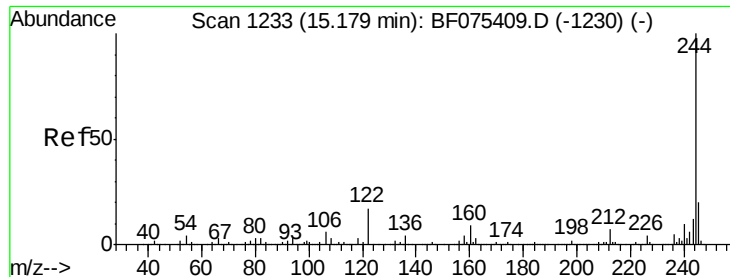
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.45 min Scan# 1344  
Delta R.T. -0.01 min  
Lab File: BF075523.D  
Acq: 15 Nov 2014 6:26

Tgt Ion:240 Resp: 184008  
Ion Ratio Lower Upper  
240 100  
120 14.0 9.6 14.4  
236 23.3 18.9 28.3



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

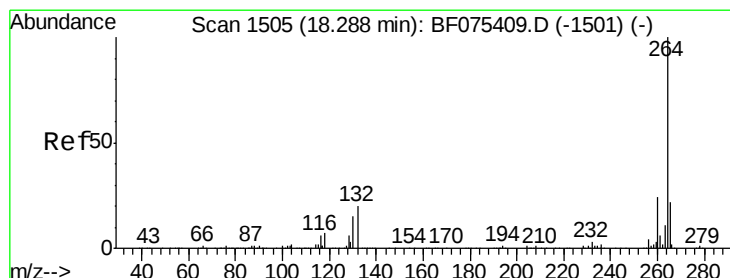
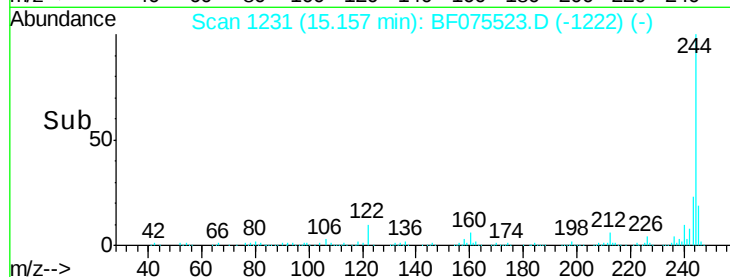
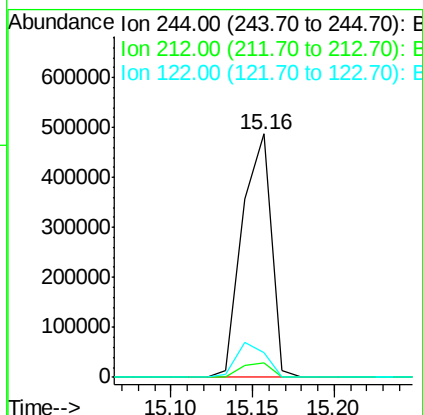
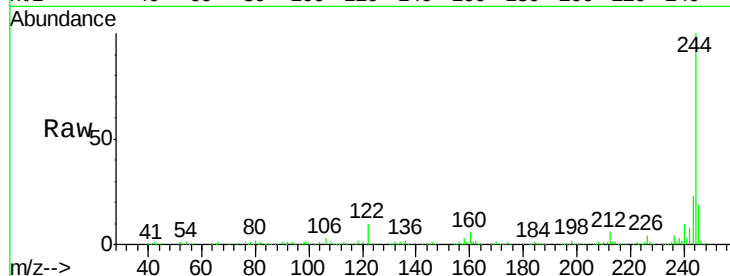




#78  
 Terphenyl-d14  
 Concen: 87.55 ng  
 RT: 15.16 min Scan# 1231  
 Delta R.T. -0.00 min  
 Lab File: BF075523.D  
 Acq: 15 Nov 2014 6:26

Instrument :  
 BNA\_F  
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 PB80209BL

Tgt Ion: 244 Resp: 598418  
 Ion Ratio Lower Upper  
 244 100  
 212 5.9 5.5 8.3  
 122 10.0 9.7 14.5



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 18.20 min Scan# 1497  
 Delta R.T. -0.03 min  
 Lab File: BF075523.D  
 Acq: 15 Nov 2014 6:26

Tgt Ion: 264 Resp: 188096  
 Ion Ratio Lower Upper  
 264 100  
 260 23.1 17.9 26.9  
 265 20.7 16.3 24.5

