

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF111414\  
 Data File : BF075509.D  
 Acq On : 14 Nov 2014 22:27  
 Operator : TP / JJ  
 Sample : PB80231TB  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB80231TB

Quant Time: Nov 14 23:25:55 2014  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF111214.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 12 18:46:55 2014  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.56  | 152  | 50045    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8          | 9.13  | 136  | 216872   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10        | 11.30 | 164  | 106209   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10        | 13.16 | 188  | 180485   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12            | 16.45 | 240  | 192400   | 20.00 | ng    | -0.09    |
| 86) Perylene-d12            | 18.21 | 264  | 203461   | 20.00 | ng    | -0.23    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.84  | 112  | 49761    | 17.57 | ng    | -0.02    |
| 7) Phenol-d6                | 7.09  | 99   | 61710    | 18.11 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.24  | 82   | 31183    | 10.54 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 12.29 | 330  | 12288    | 13.81 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 10.47 | 172  | 66481    | 11.31 | ng    | -0.02    |
| 78) Terphenyl-d14           | 15.15 | 244  | 68980    | 9.65  | ng    | -0.05    |

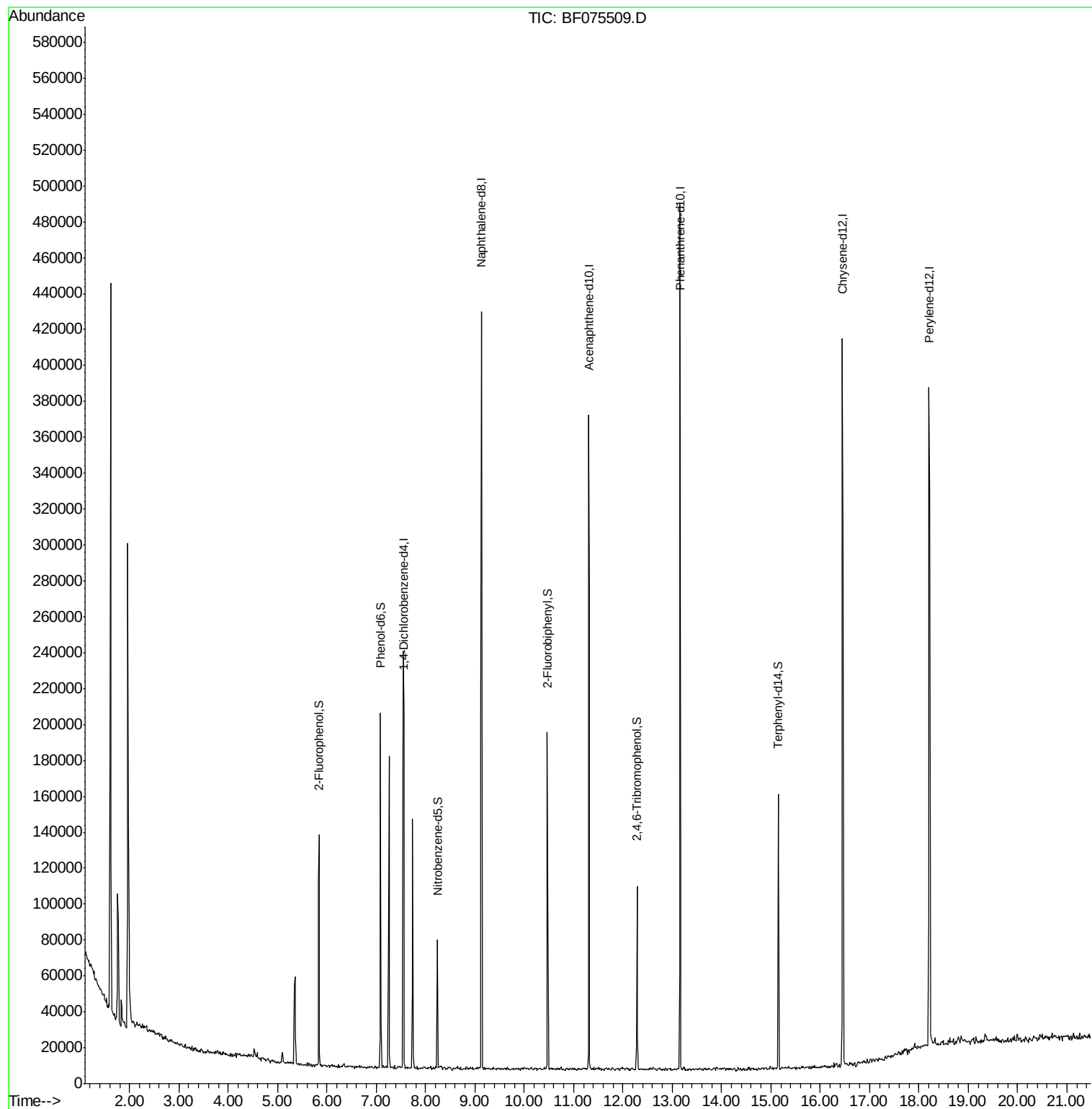
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

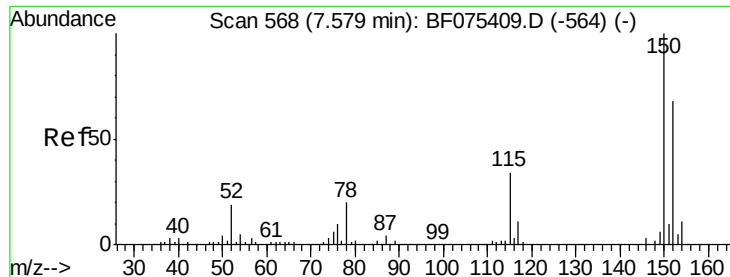
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 13 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF111214.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 12 18:46:55 2014  
Response via : Initial Calibration



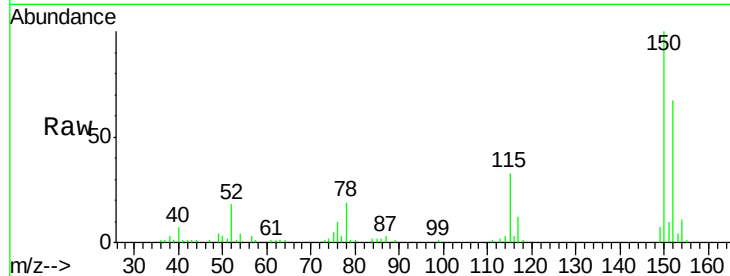


#1

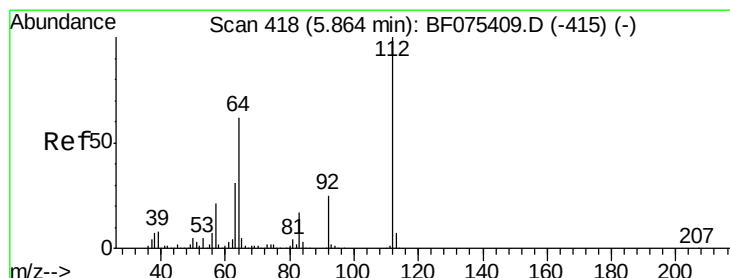
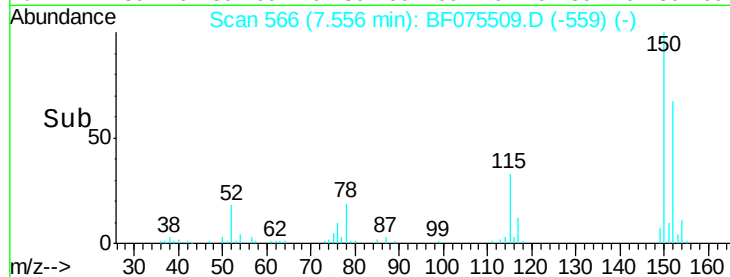
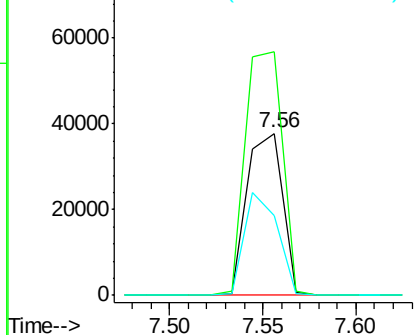
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.56 min Scan# 566  
 Delta R.T. -0.02 min  
 Lab File: BF075509.D  
 Acq: 14 Nov 2014 22:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB80231TB

Tgt Ion:152 Resp: 50045  
 Ion Ratio Lower Upper  
 152 100  
 150 150.3 127.2 190.8  
 115 49.4 57.1 85.7#



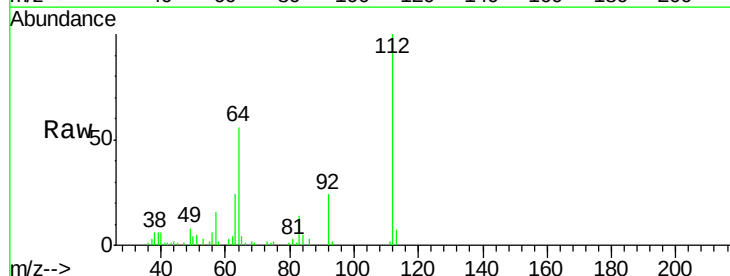
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



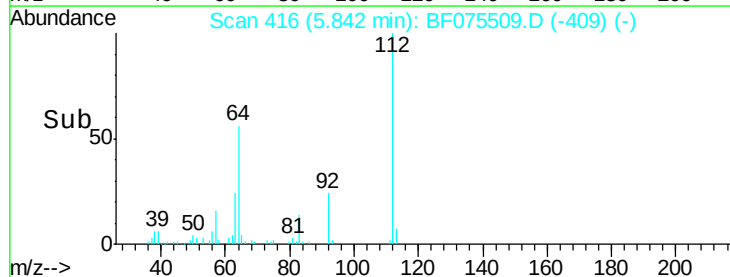
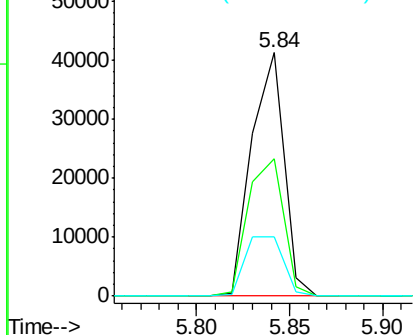
#5

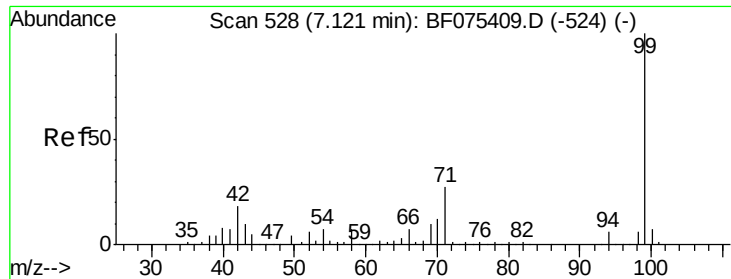
2-Fluorophenol  
 Concen: 17.57 ng  
 RT: 5.84 min Scan# 416  
 Delta R.T. -0.02 min  
 Lab File: BF075509.D  
 Acq: 14 Nov 2014 22:27

Tgt Ion:112 Resp: 49761  
 Ion Ratio Lower Upper  
 112 100  
 64 56.4 45.8 68.6  
 63 24.4 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: 18.11 ng

RT: 7.09 min Scan# 525

Delta R.T. -0.02 min

Lab File: BF075509.D

Acq: 14 Nov 2014 22:27

Instrument :

BNA\_F

ClientSampleId :

PB80231TB

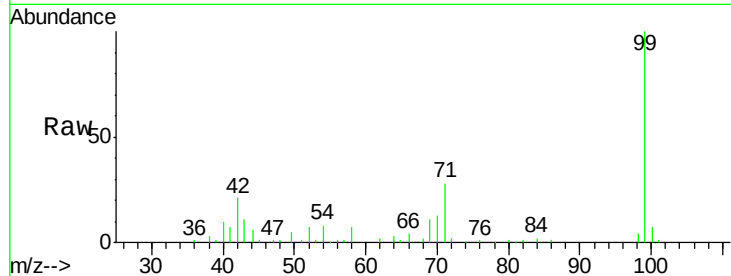
Tgt Ion: 99 Resp: 61710

Ion Ratio Lower Upper

99 100

42 20.8 19.8 29.6

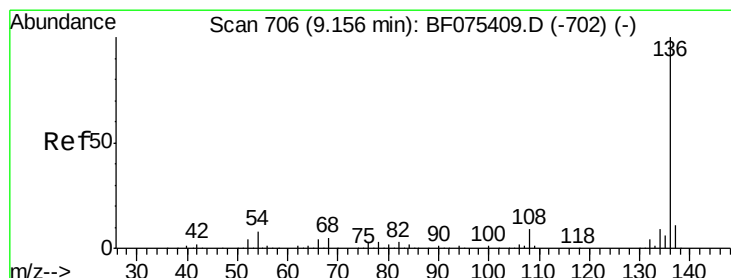
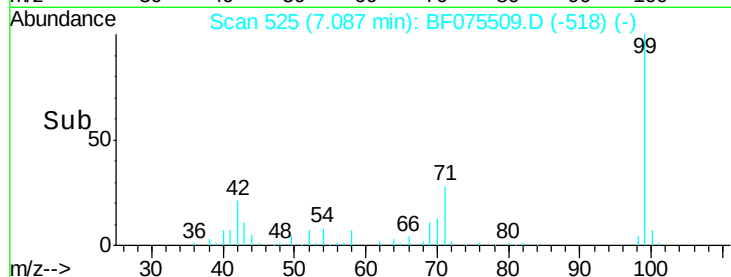
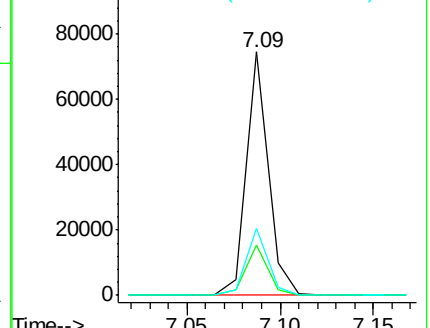
71 27.8 25.5 38.3



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. -0.02 min

Lab File: BF075509.D

Acq: 14 Nov 2014 22:27

Tgt Ion: 136 Resp: 216872

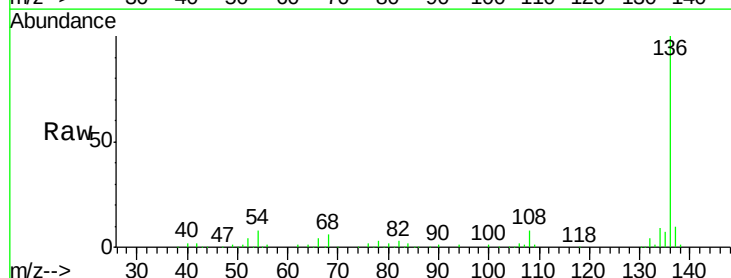
Ion Ratio Lower Upper

136 100

137 10.2 8.2 12.4

54 7.7 6.2 9.4

68 5.5 3.4 5.2#

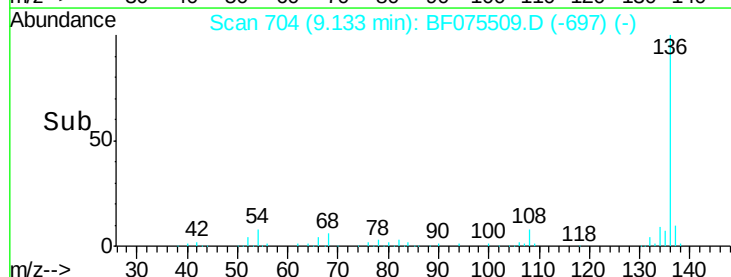
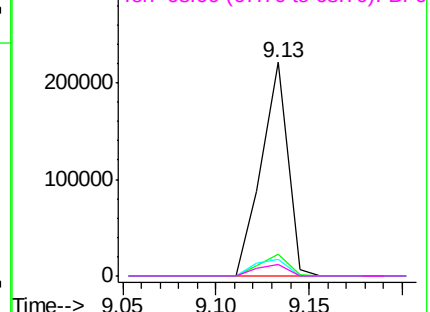


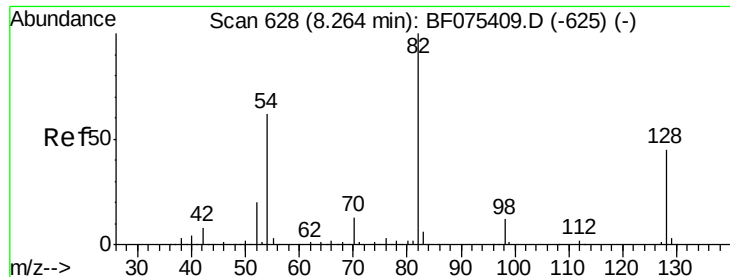
Abundance Ion 136.00 (135.70 to 136.70): E

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

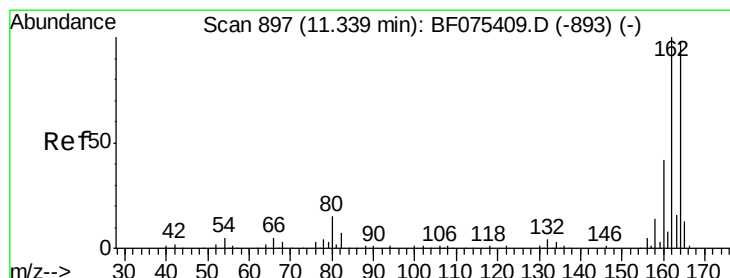
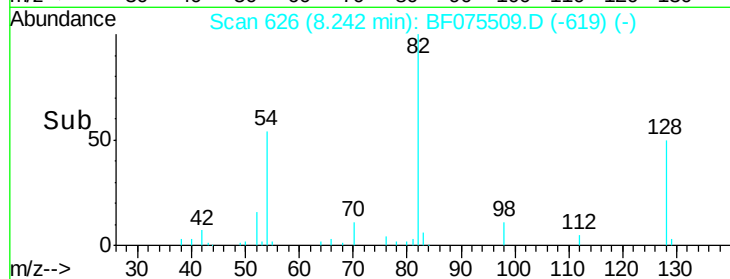
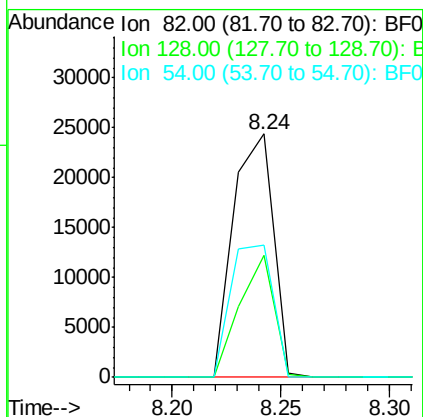
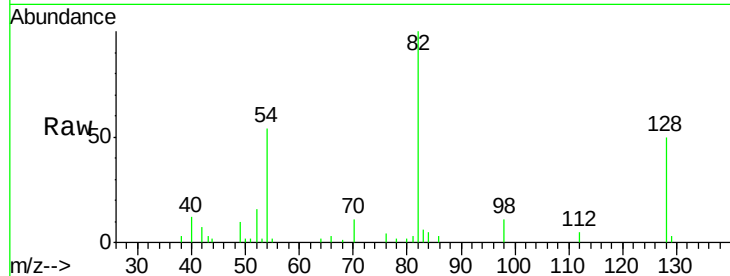




#23  
 Nitrobenzene-d5  
 Concen: 10.54 ng  
 RT: 8.24 min Scan# 626  
 Delta R.T. -0.02 min  
 Lab File: BF075509.D  
 Acq: 14 Nov 2014 22:27

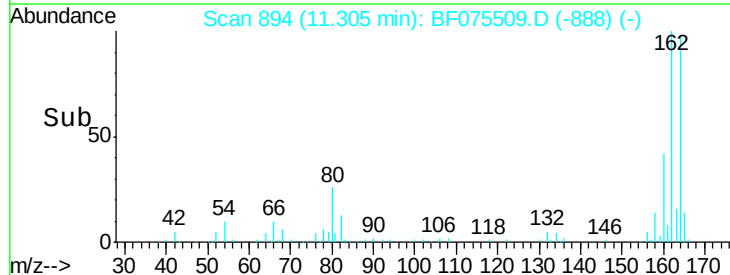
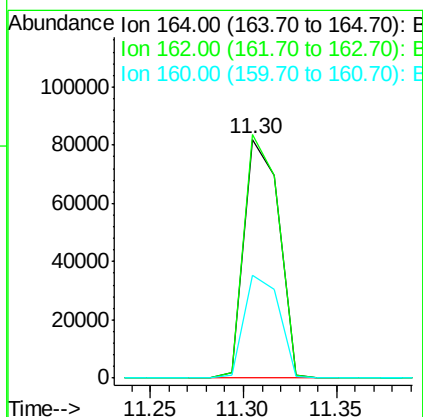
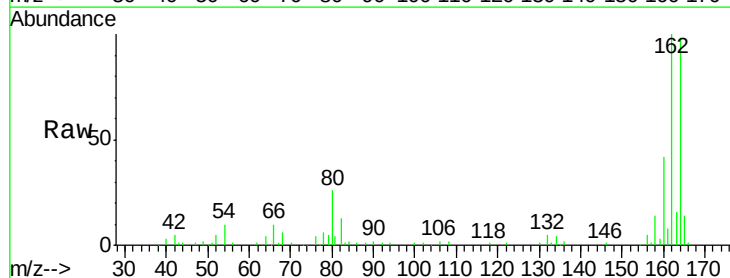
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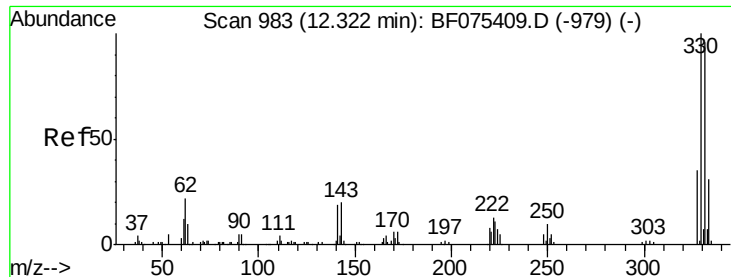
Tgt Ion: 82 Resp: 31183  
 Ion Ratio Lower Upper  
 82 100  
 128 50.1 37.8 56.6  
 54 54.1 49.8 74.8



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 11.30 min Scan# 894  
 Delta R.T. -0.03 min  
 Lab File: BF075509.D  
 Acq: 14 Nov 2014 22:27

Tgt Ion: 164 Resp: 106209  
 Ion Ratio Lower Upper  
 164 100  
 162 102.0 79.1 118.7  
 160 43.2 34.6 51.8

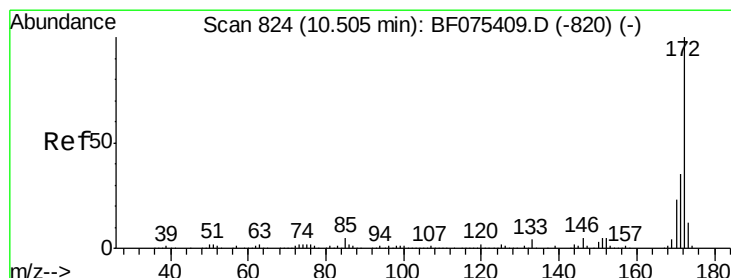
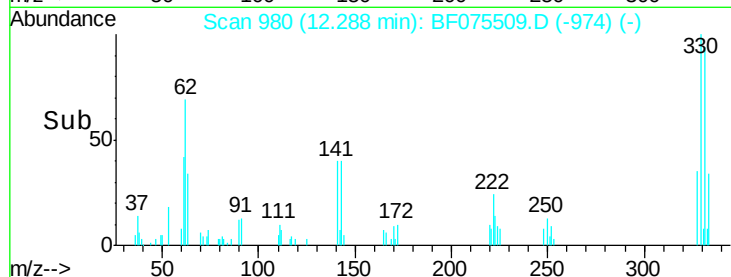
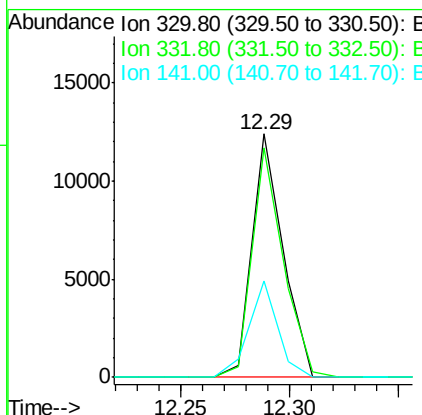
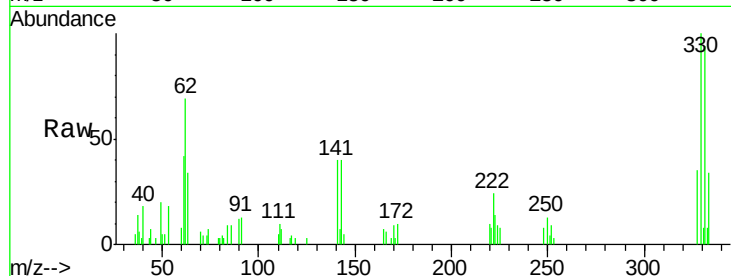




#41  
 2,4,6-Tribromophenol  
 Concen: 13.81 ng  
 RT: 12.29 min Scan# 980  
 Delta R.T. -0.03 min  
 Lab File: BF075509.D  
 Acq: 14 Nov 2014 22:27

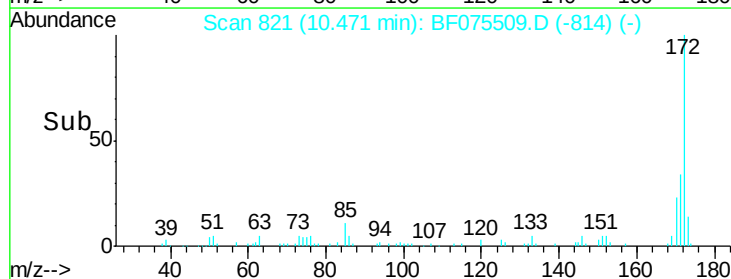
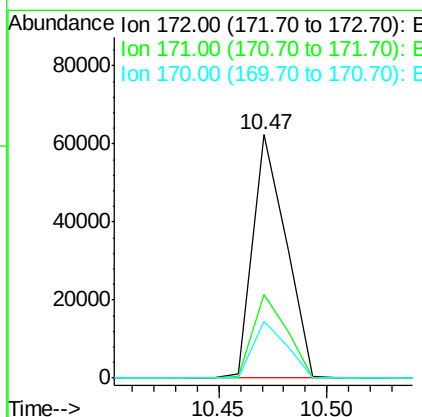
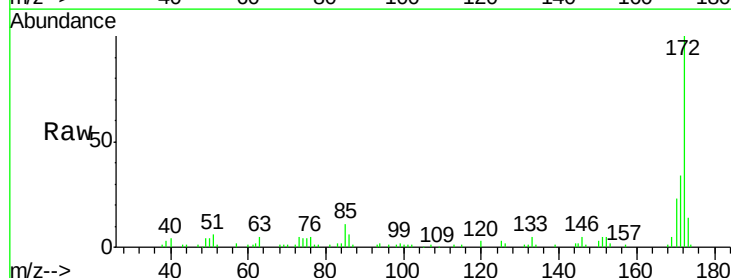
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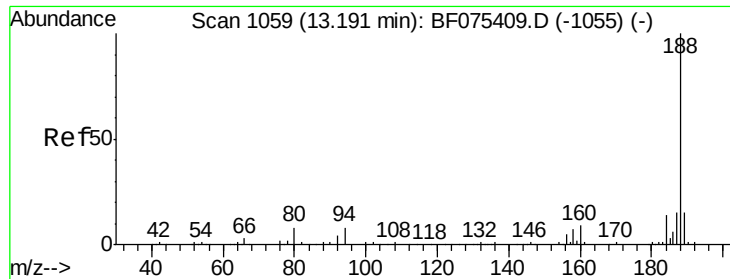
Tgt Ion:330 Resp: 12288  
 Ion Ratio Lower Upper  
 330 100  
 332 95.4 74.5 111.7  
 141 37.0 30.7 46.1



#44  
 2-Fluorobiphenyl  
 Concen: 11.31 ng  
 RT: 10.47 min Scan# 821  
 Delta R.T. -0.02 min  
 Lab File: BF075509.D  
 Acq: 14 Nov 2014 22:27

Tgt Ion:172 Resp: 66481  
 Ion Ratio Lower Upper  
 172 100  
 171 34.5 27.3 40.9  
 170 23.5 18.4 27.6

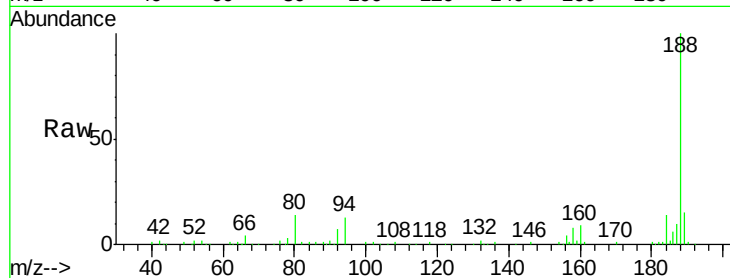




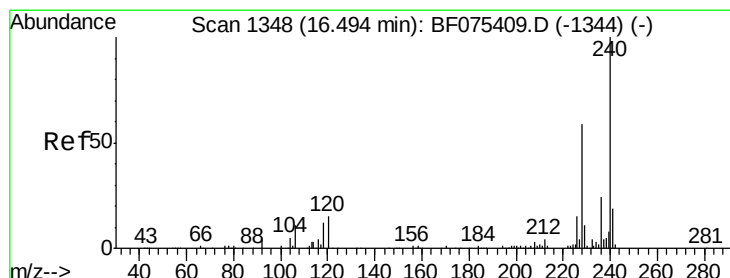
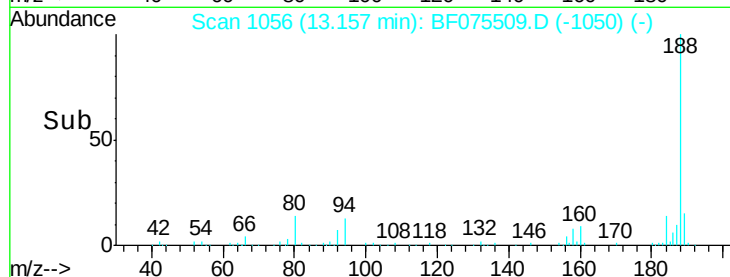
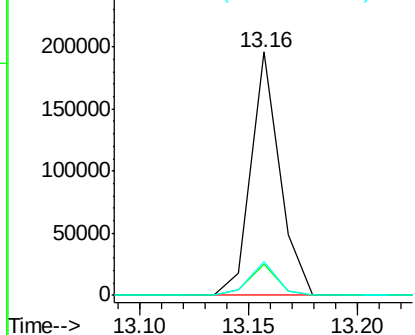
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 13.16 min Scan# 1056  
Delta R.T. -0.03 min  
Lab File: BF075509.D  
Acq: 14 Nov 2014 22:27

Instrument :  
BNA\_F  
ClientSampleId :  
PB80231TB

Tgt Ion:188 Resp: 180485  
Ion Ratio Lower Upper  
188 100  
94 12.5 7.8 11.6#  
80 13.7 8.0 12.0#

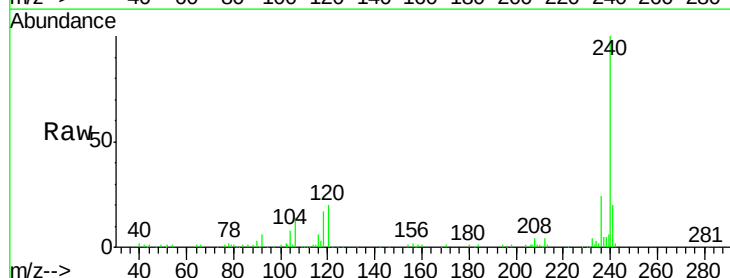


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

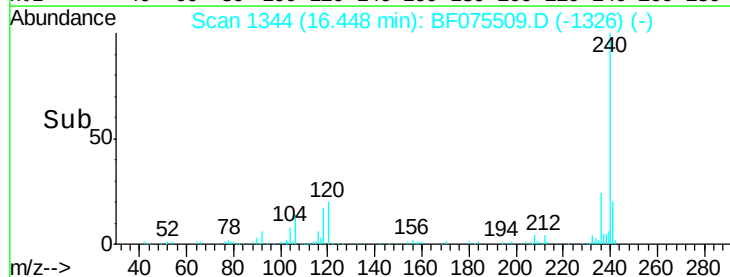
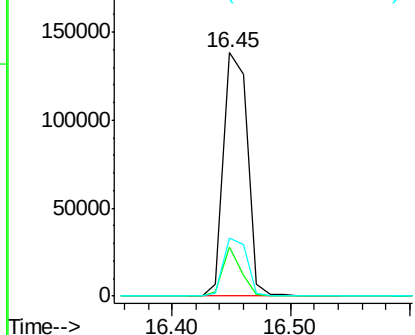


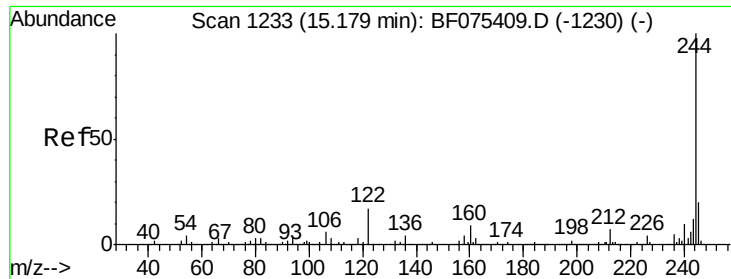
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.45 min Scan# 1344  
Delta R.T. -0.09 min  
Lab File: BF075509.D  
Acq: 14 Nov 2014 22:27

Tgt Ion:240 Resp: 192400  
Ion Ratio Lower Upper  
240 100  
120 20.0 9.6 14.4#  
236 23.6 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

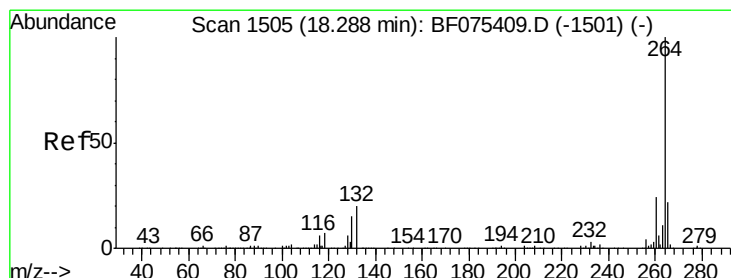
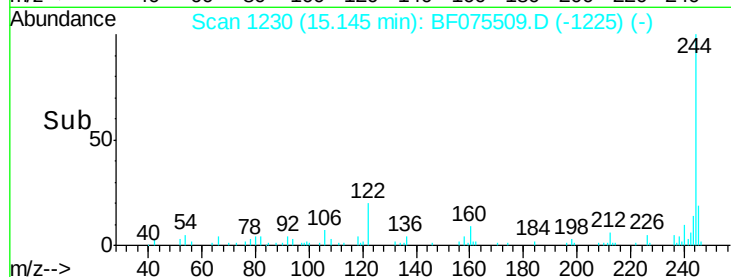
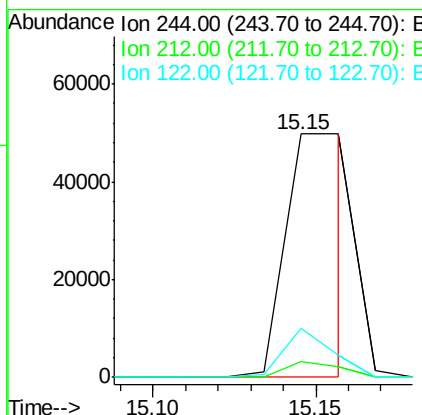
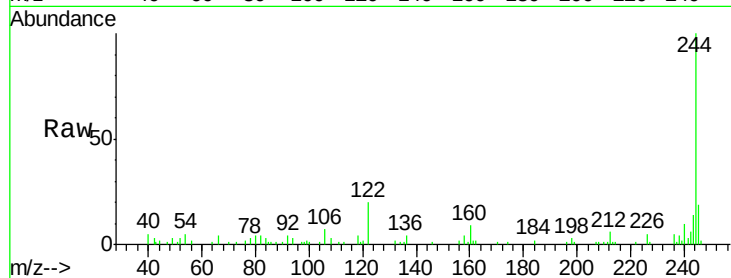




#78  
 Terphenyl-d14  
 Concen: 9.65 ng  
 RT: 15.15 min Scan# 1230  
 Delta R.T. -0.05 min  
 Lab File: BF075509.D  
 Acq: 14 Nov 2014 22:27

Instrument :  
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Tgt Ion:244 Resp: 68980  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 5.5 8.3  
 122 20.4 9.7 14.5#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 18.21 min Scan# 1498  
 Delta R.T. -0.23 min  
 Lab File: BF075509.D  
 Acq: 14 Nov 2014 22:27

Tgt Ion:264 Resp: 203461  
 Ion Ratio Lower Upper  
 264 100  
 260 22.1 17.9 26.9  
 265 21.4 16.3 24.5

