

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\  
 Data File : BF075510.D  
 Acq On : 14 Nov 2014 22:55  
 Operator : TP / JJ  
 Sample : PB80231BL  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB80231BL

Manual Integrations  
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Quant Time: Nov 15 01:41:10 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  | 51116    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8          | 9.13  | 136  | 220994   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10        | 11.30 | 164  | 112516   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10        | 13.16 | 188  | 190002   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12            | 16.45 | 240  | 205159   | 20.00 | ng    | -0.09    |
| 86) Perylene-d12            | 18.20 | 264  | 207641   | 20.00 | ng    | -0.24    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.84  | 112  | 52678    | 18.21 | ng    | -0.02    |
| 7) Phenol-d6                | 7.09  | 99   | 69173    | 19.88 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.24  | 82   | 31671    | 10.51 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 12.29 | 330  | 13116    | 13.92 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 10.47 | 172  | 73031    | 11.73 | ng    | -0.02    |
| 78) Terphenyl-d14           | 15.15 | 244  | 77179m   | 10.13 | ng    | -0.05    |

Target Compounds Qvalue

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

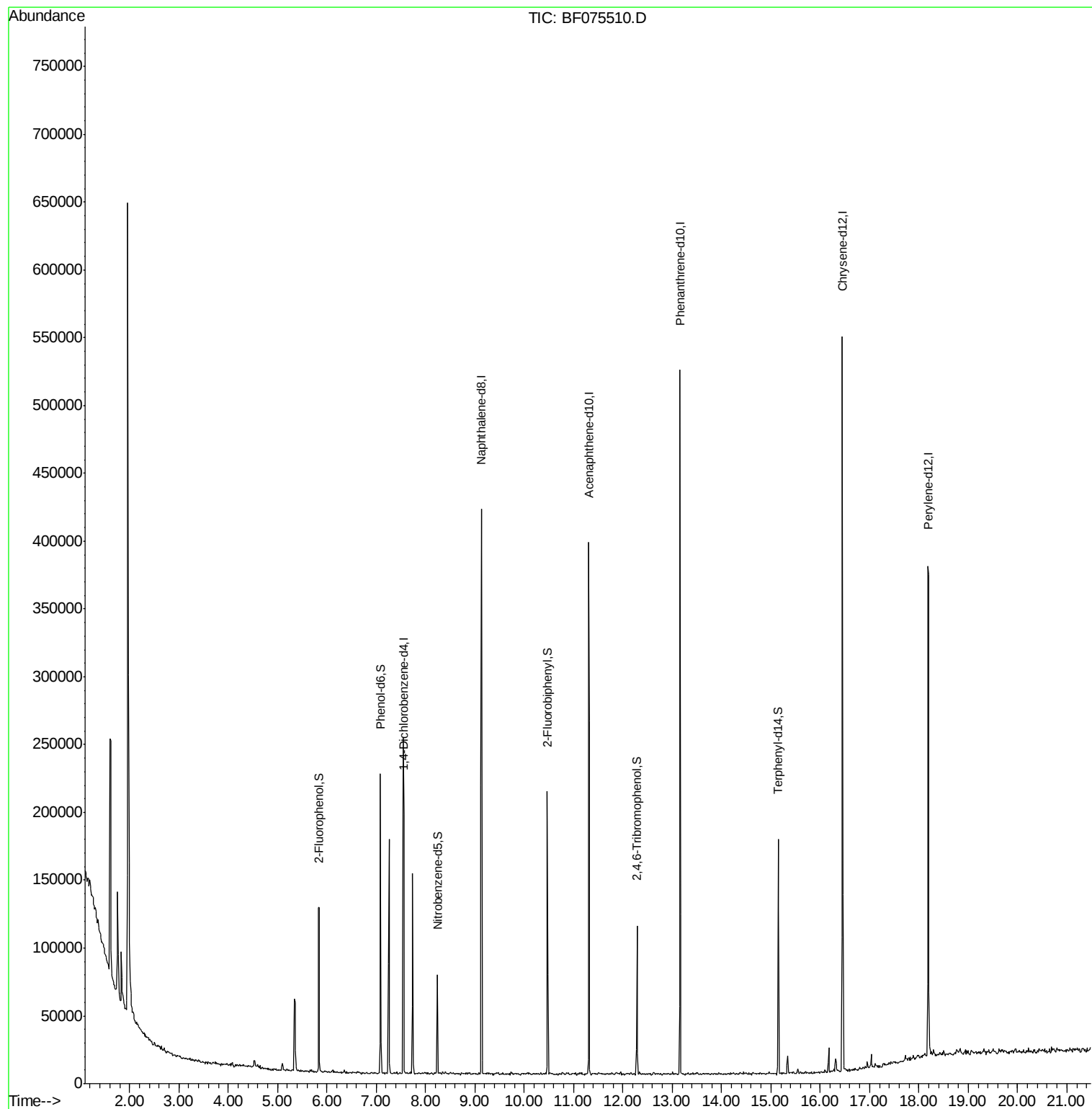
Data Path : Z:\HPCHEM1\BNA F\DATA\BF111414\  
Data File : BF075510.D  
Acq On : 14 Nov 2014 22:55  
Operator : TP / JJ  
Sample : PB80231BL  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

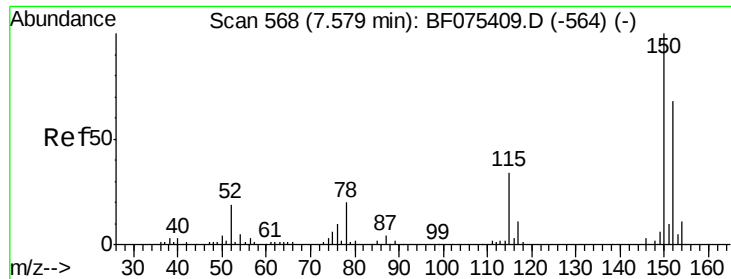
Instrument :  
BNA\_F  
ClientSampleId :  
PB80231BL

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Quant Time: Nov 15 01:41:10 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





#1

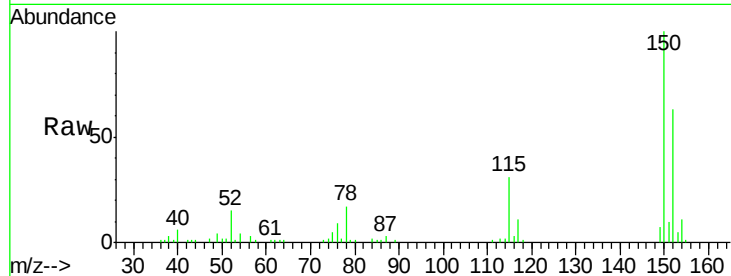
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.56 min Scan# 566  
Delta R.T. -0.02 min  
Lab File: BF075510.D  
Acq: 14 Nov 2014 22:55

Instrument :  
BNA\_F  
ClientSampleId :  
PB80231BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.5 | 127.2 | 190.8 |
| 115     | 49.1  | 57.1  | 85.7  |

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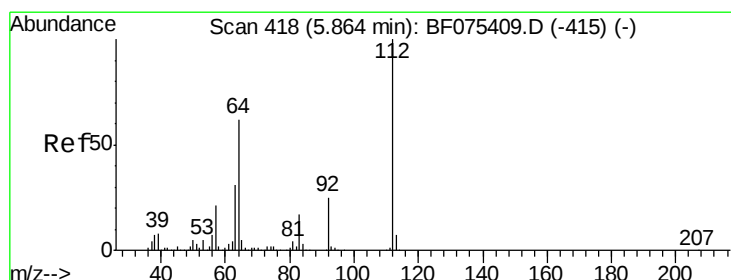
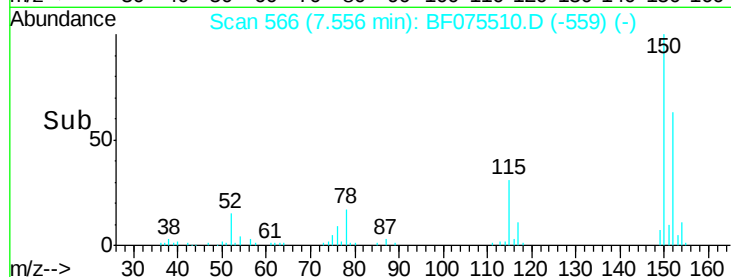
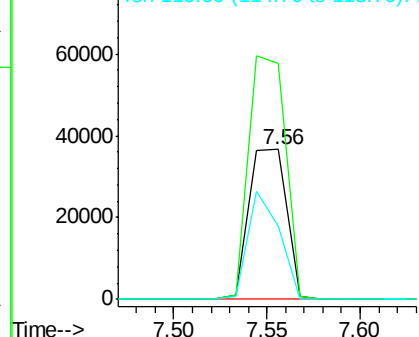


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

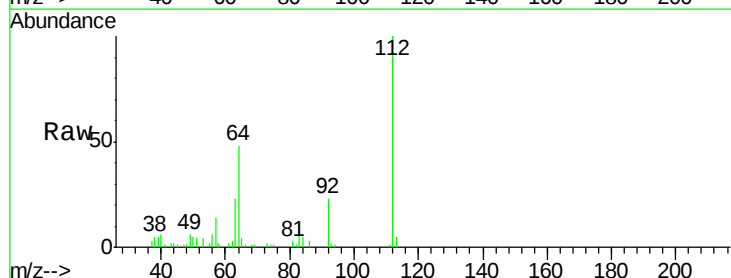
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 18.21 ng  
RT: 5.84 min Scan# 416  
Delta R.T. -0.02 min  
Lab File: BF075510.D  
Acq: 14 Nov 2014 22:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 47.9  | 45.8  | 68.6  |
| 63      | 22.9  | 22.7  | 34.1  |

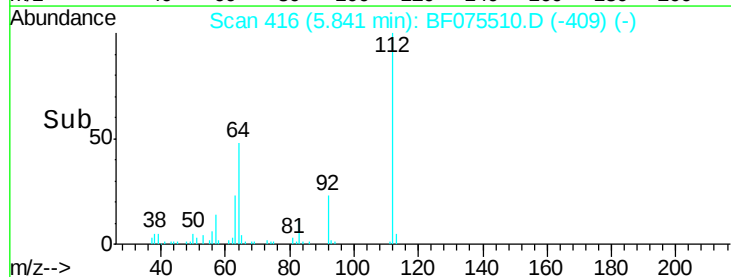
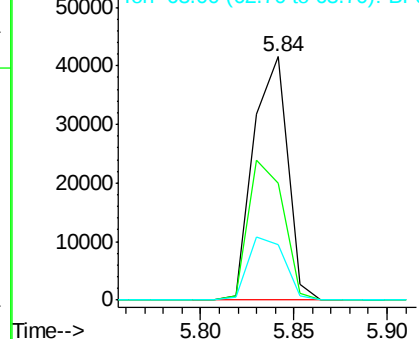


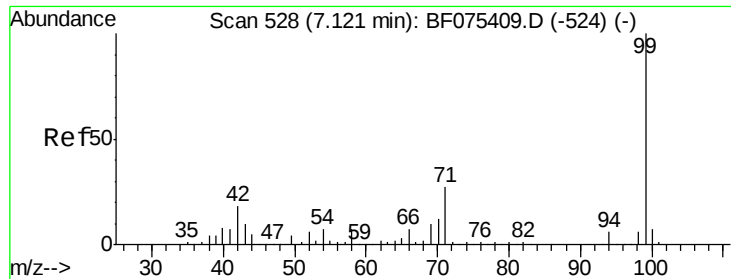
Abundance

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: 19.88 ng

RT: 7.09 min Scan# 525

Delta R.T. -0.02 min

Lab File: BF075510.D

Acq: 14 Nov 2014 22:55

Instrument :

BNA\_F

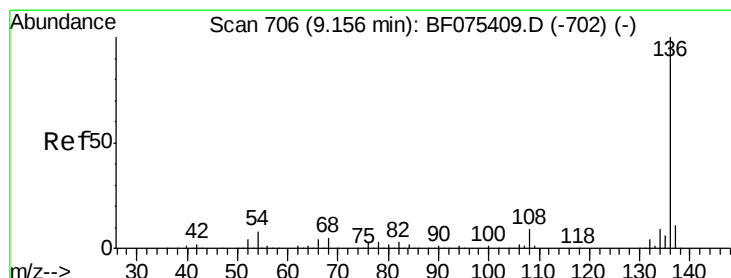
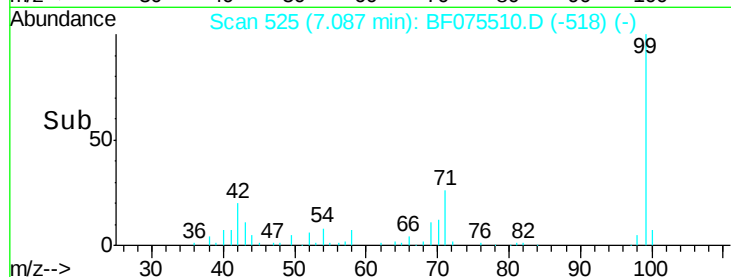
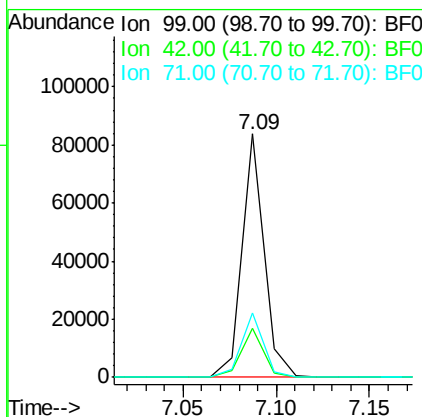
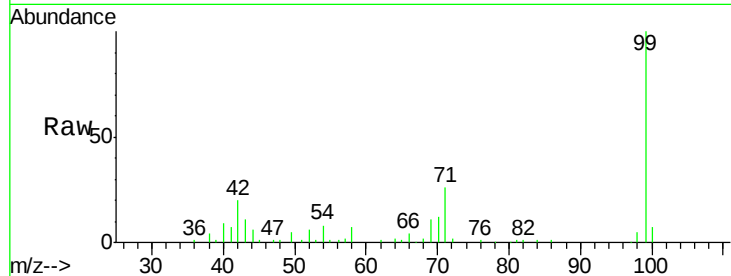
ClientSampleId :

PB80231BL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 99    | Resp: | 69173 |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 20.0  | 19.8  | 29.6  |
| 71        | 26.3  | 25.5  | 38.3  |

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#21

Naphthalene-d8

Concen: 20.00 ng

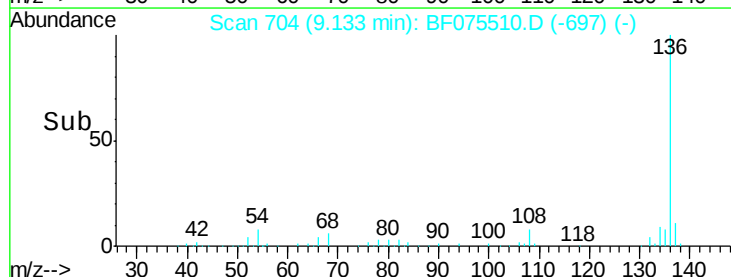
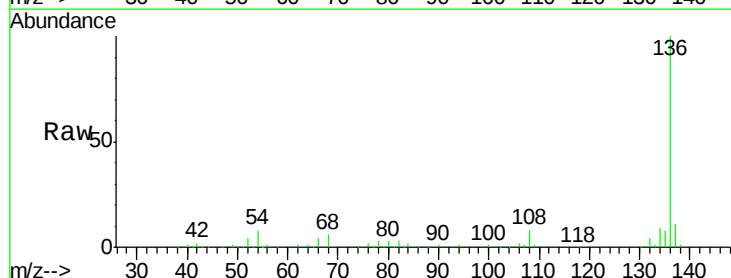
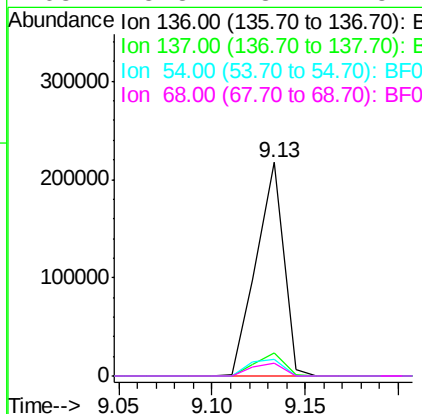
RT: 9.13 min Scan# 704

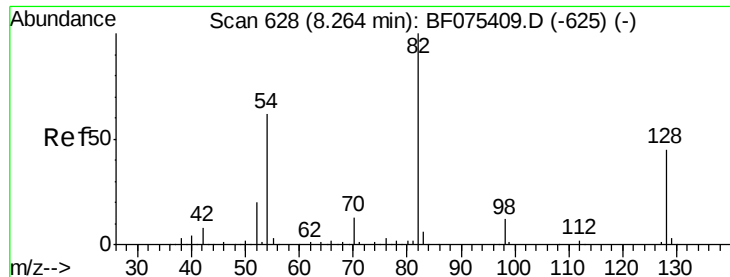
Delta R.T. -0.02 min

Lab File: BF075510.D

Acq: 14 Nov 2014 22:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 220994 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.8  | 8.2   | 12.4   |
| 54        | 7.8   | 6.2   | 9.4    |
| 68        | 5.8   | 3.4   | 5.2#   |





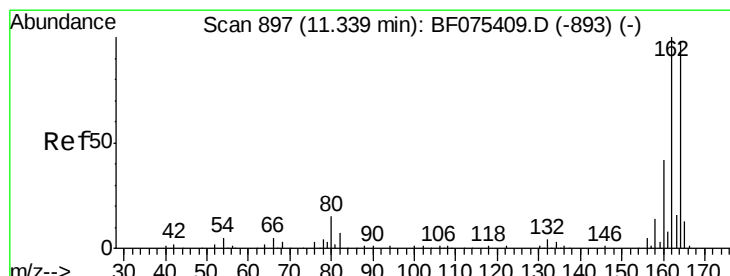
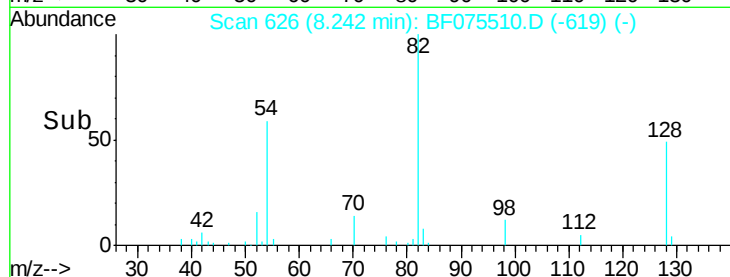
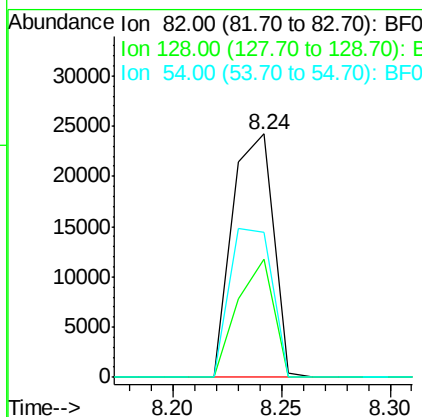
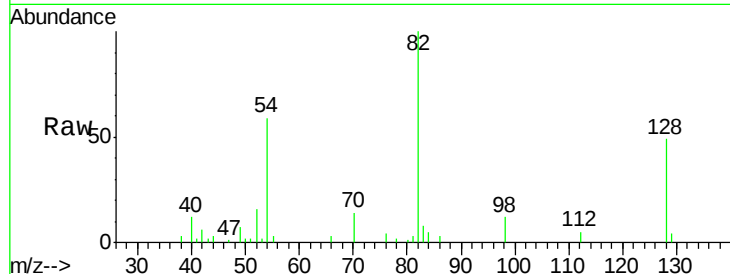
#23  
Nitrobenzene-d5  
Concen: 10.51 ng  
RT: 8.24 min Scan# 626  
Delta R.T. -0.02 min  
Lab File: BF075510.D  
Acq: 14 Nov 2014 22:55

Instrument :  
BNA\_F  
ClientSampleId :  
PB80231BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 48.8  | 37.8  | 56.6  |
| 54      | 59.5  | 49.8  | 74.8  |

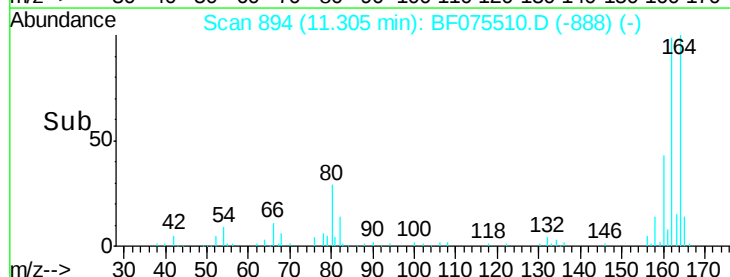
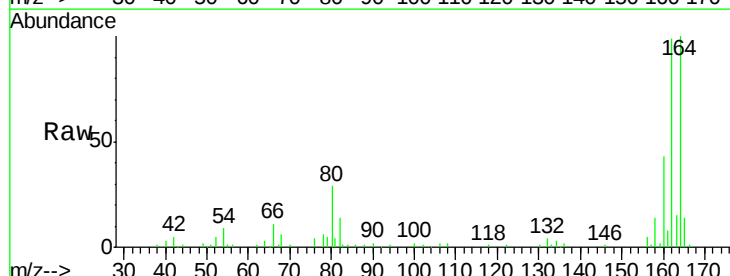
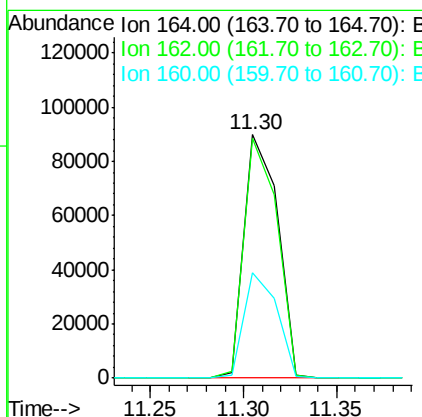
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#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 11.30 min Scan# 894  
Delta R.T. -0.03 min  
Lab File: BF075510.D  
Acq: 14 Nov 2014 22:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 98.7  | 79.1  | 118.7 |
| 160     | 43.4  | 34.6  | 51.8  |





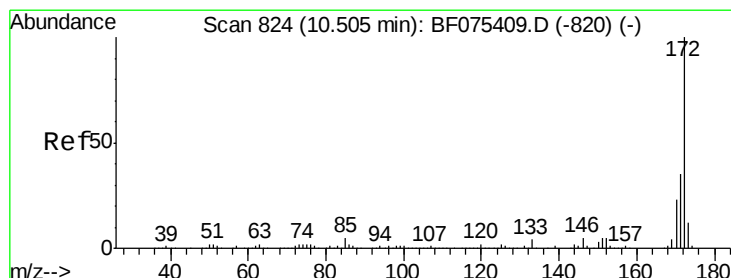
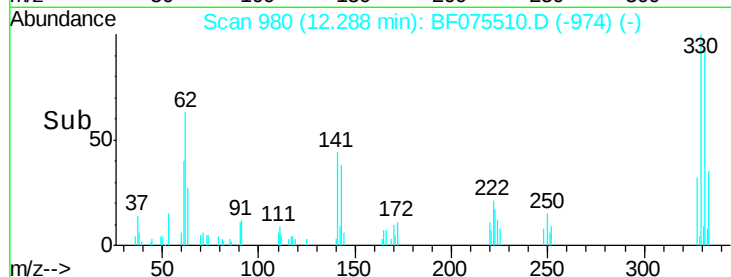
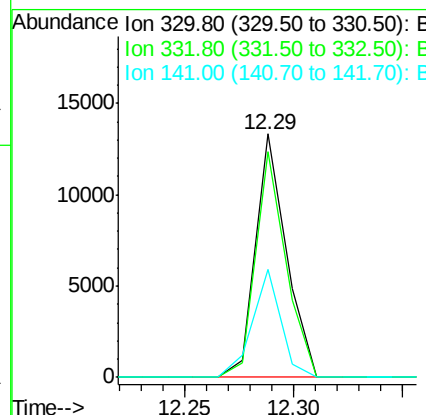
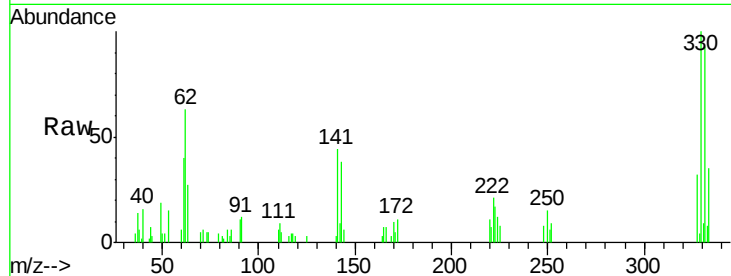
#41  
 2,4,6-Tribromophenol  
 Concen: 13.92 ng  
 RT: 12.29 min Scan# 980  
 Delta R.T. -0.03 min  
 Lab File: BF075510.D  
 Acq: 14 Nov 2014 22:55

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB80231BL

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 330     | 100   | 13116 |       |       |
| 332     | 91.0  |       | 74.5  | 111.7 |
| 141     | 41.0  |       | 30.7  | 46.1  |

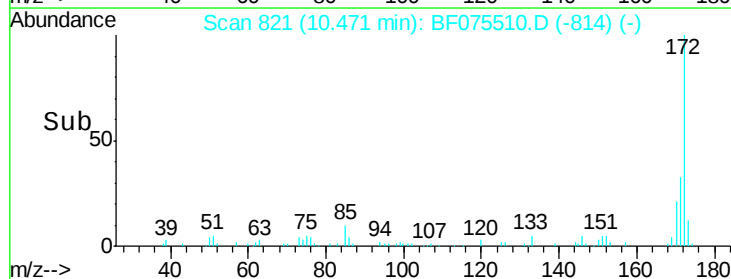
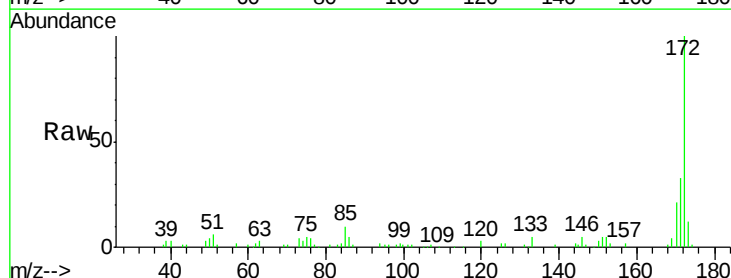
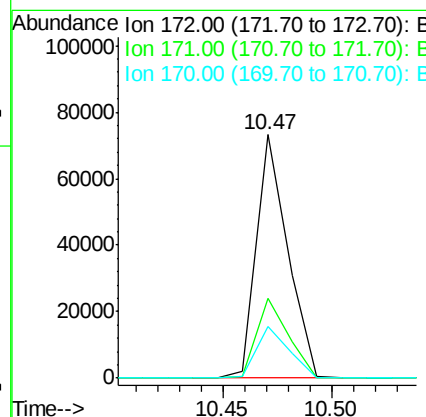
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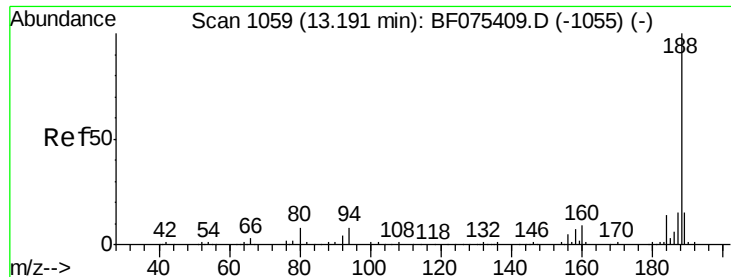
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#44  
 2-Fluorobiphenyl  
 Concen: 11.73 ng  
 RT: 10.47 min Scan# 821  
 Delta R.T. -0.02 min  
 Lab File: BF075510.D  
 Acq: 14 Nov 2014 22:55

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 172     | 100   | 73031 |       |       |
| 171     | 32.9  |       | 27.3  | 40.9  |
| 170     | 21.0  |       | 18.4  | 27.6  |





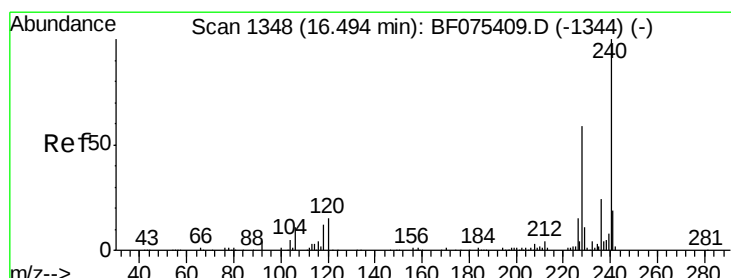
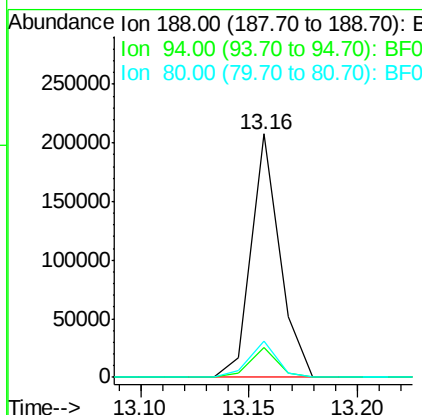
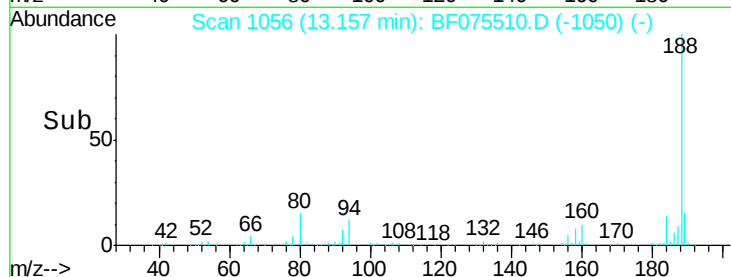
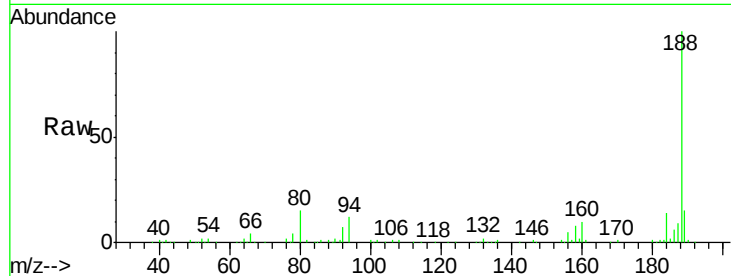
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 13.16 min Scan# 1056  
Delta R.T. -0.03 min  
Lab File: BF075510.D  
Acq: 14 Nov 2014 22:55

Instrument :  
BNA\_F  
ClientSampleID :  
PB80231BL

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 12.1  | 7.8        | 11.6# |
| 80      | 14.8  | 8.0        | 12.0# |

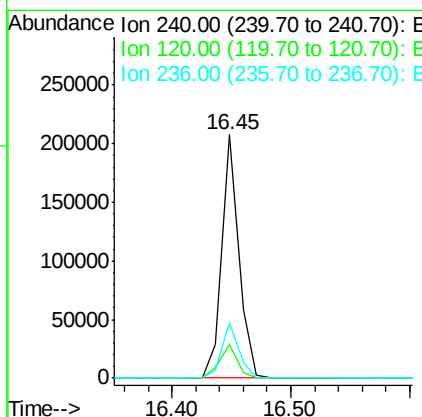
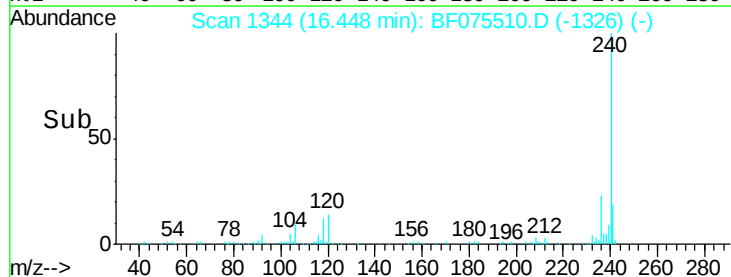
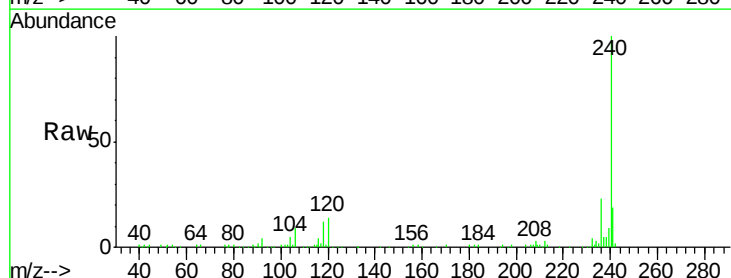
Manual Integrations  
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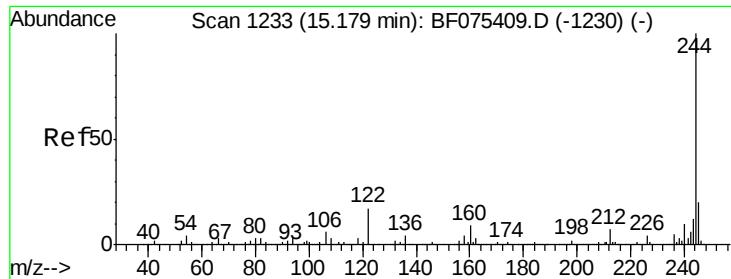
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#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.45 min Scan# 1344  
Delta R.T. -0.09 min  
Lab File: BF075510.D  
Acq: 14 Nov 2014 22:55

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 14.0  | 9.6        | 14.4  |
| 236     | 23.0  | 18.9       | 28.3  |





#78

Terphenyl-d14

Concen: 10.13 ng

RT: 15.15 min Scan# 1230

Delta R.T. -0.05 min

Lab File: BF075510.D

Acq: 14 Nov 2014 22:55

Instrument :

BNA\_F

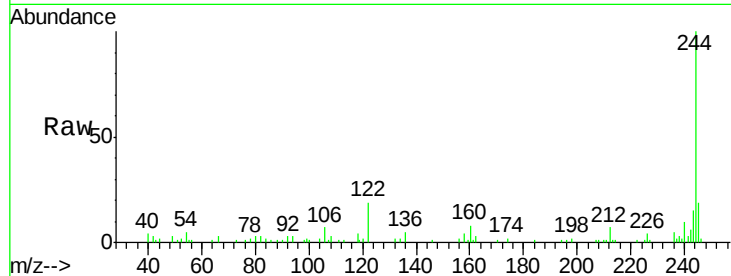
ClientSampleId :

PB80231BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.2   | 5.5   | 8.3   |
| 122     | 18.6  | 9.7   | 14.5  |

Manual Integrations  
APPROVED

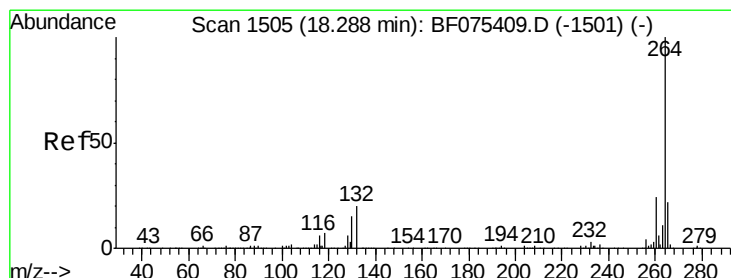
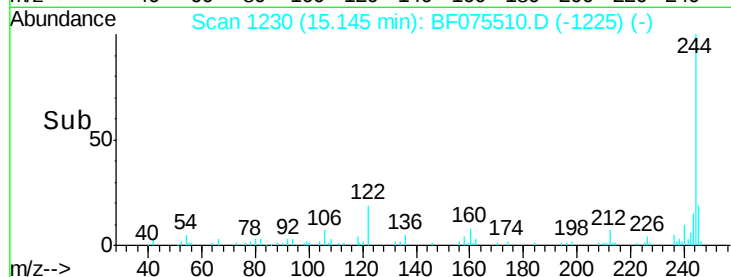
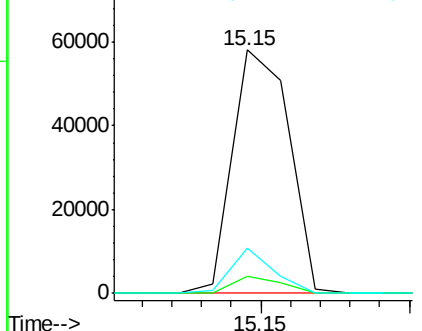
mohammad  
11/17/2014 7:34:35 PM



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

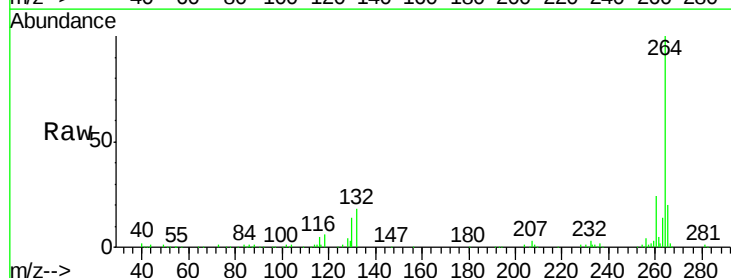
RT: 18.20 min Scan# 1497

Delta R.T. -0.24 min

Lab File: BF075510.D

Acq: 14 Nov 2014 22:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 17.9  | 26.9  |
| 265     | 19.9  | 16.3  | 24.5  |



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

