

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032216\  
 Data File : BF085687.D  
 Acq On : 23 Mar 2016 5:32  
 Operator : UM/SJ  
 Sample : H1858-01  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRACK-D-GRID-12A

Manual Integrations  
 APPROVED

Sohil  
 3/23/2016 1:30:22 PM

Quant Time: Mar 23 06:52:05 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 18 23:31:39 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.84  | 152  | 137701   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 8.12  | 136  | 569625   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.86  | 164  | 240007   | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10        | 11.35 | 188  | 432134   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12            | 13.98 | 240  | 251011   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 15.40 | 264  | 241305   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.44  | 112  | 1213167  | 147.98 | ng    | -0.01    |
| 7) Phenol-d6                | 6.47  | 99   | 1567751  | 149.10 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 973432   | 99.19  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 10.66 | 330  | 419602   | 178.48 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.20  | 172  | 1702763  | 147.43 | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.94 | 244  | 1250022  | 119.84 | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.59  | 163  | 364043   | 20.10  | ng    | 99       |
| 74) Fluoranthene            | 12.56 | 202  | 61942    | 2.60   | ng    | 90       |
| 77) Pyrene                  | 12.79 | 202  | 63972    | 3.55   | ng    | 99       |
| 80) Benzo(a)anthracene      | 13.97 | 228  | 39338    | 2.70   | ng    | 94       |
| 82) Chrysene                | 14.00 | 228  | 29168m   | 2.08   | ng    |          |
| 87) Benzo(b)fluoranthene    | 15.00 | 252  | 55622m   | 3.53   | ng    |          |

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

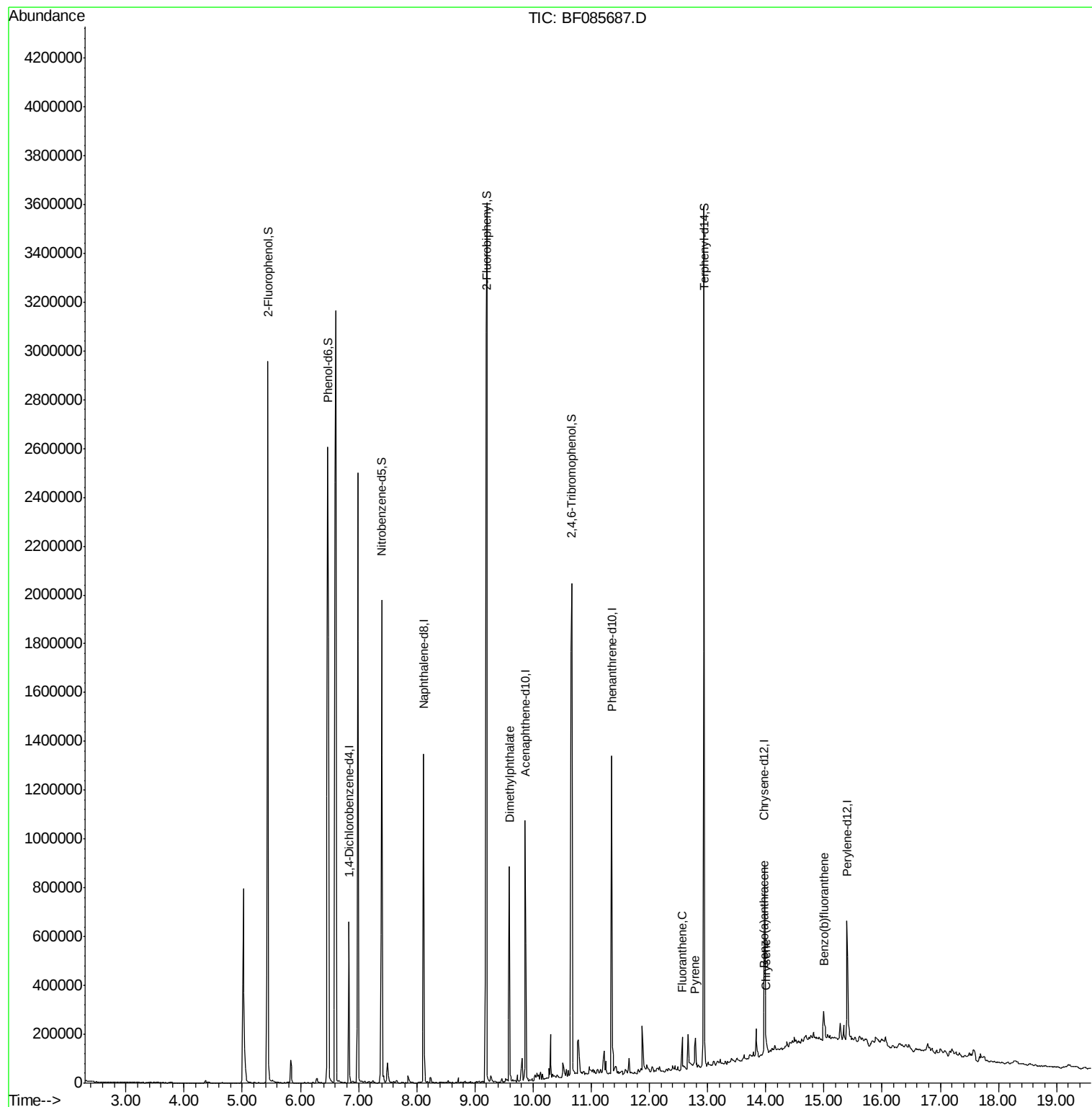
Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032216\  
Data File : BF085687.D  
Acq On : 23 Mar 2016 5:32  
Operator : UM/SJ  
Sample : H1858-01  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

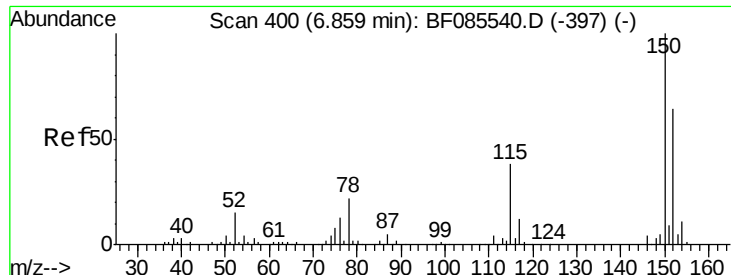
Instrument :  
BNA\_F  
ClientSampleId :  
TRACK-D-GRID-12A

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3/23/2016 1:30:22 PM

Quant Time: Mar 23 06:52:05 2016  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031816.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Mar 18 23:31:39 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 398

Delta R.T. -0.02 min

Lab File: BF085687.D

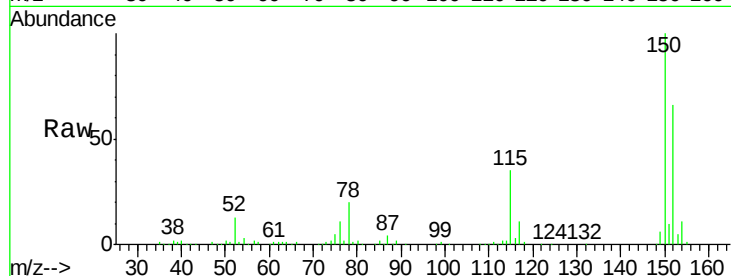
Acq: 23 Mar 2016 5:32

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-GRID-12A



Tgt Ion:152 Resp: 137701

Ion Ratio Lower Upper

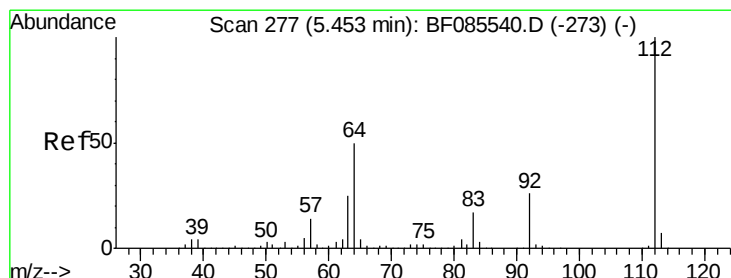
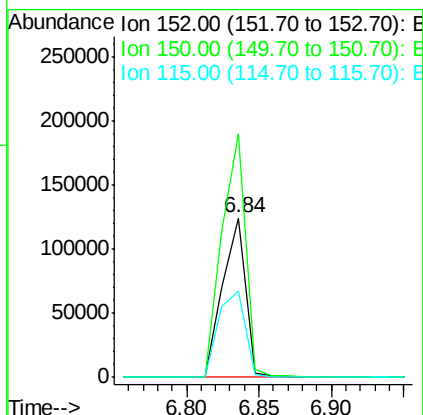
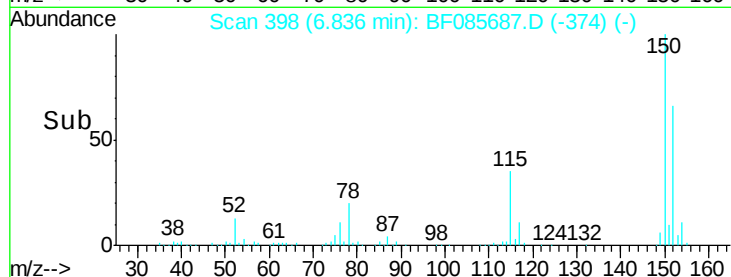
152 100

150 152.5 124.2 186.2

115 54.1 47.0 70.6

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#5

2-Fluorophenol

Concen: 147.98 ng

RT: 5.44 min Scan# 276

Delta R.T. -0.01 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

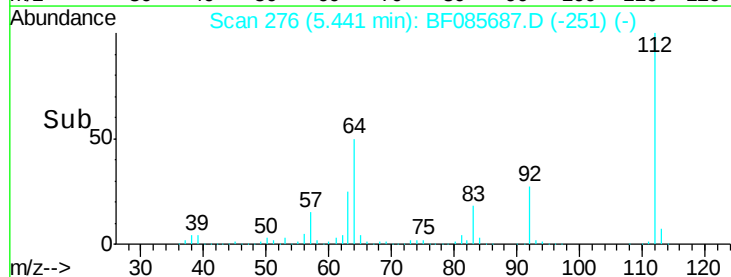
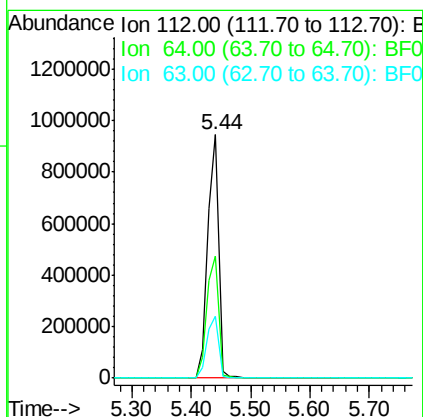
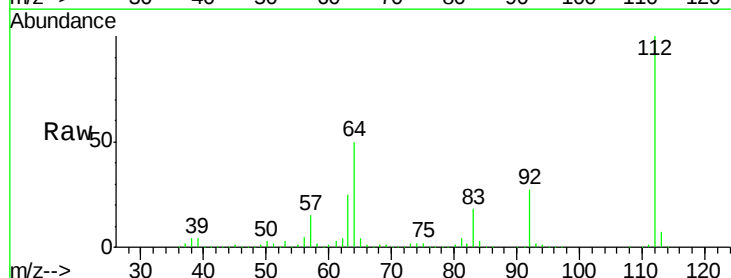
Tgt Ion:112 Resp: 1213167

Ion Ratio Lower Upper

112 100

64 50.3 39.9 59.9

63 25.5 20.2 30.2





#7

Phenol-d6

Concen: 149.10 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-GRID-12A

Tgt Ion: 99 Resp: 1567751

Ion Ratio Lower Upper

99 100

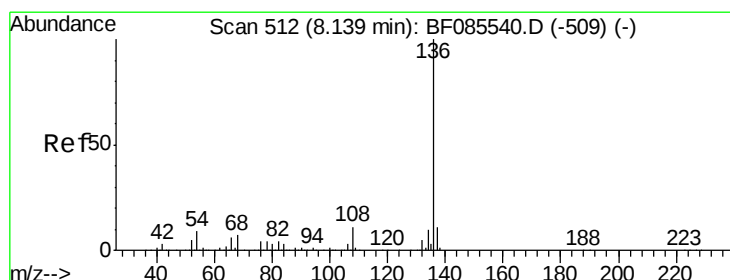
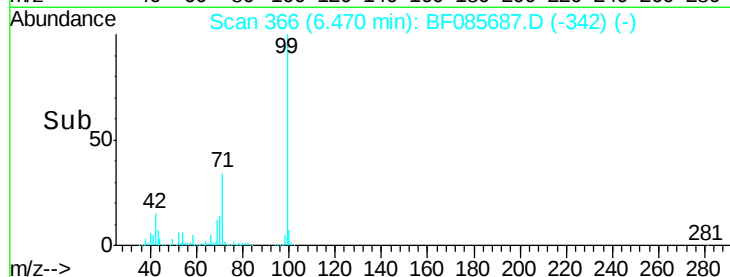
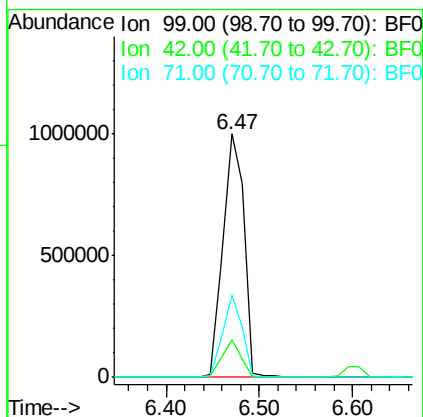
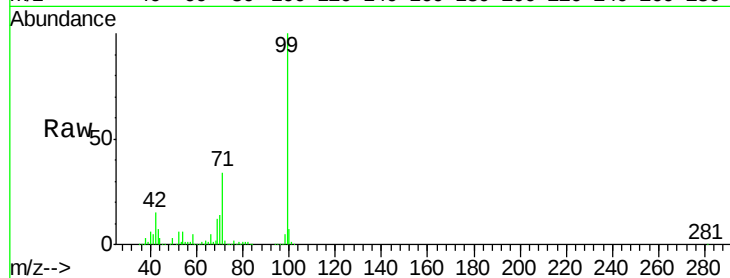
42 15.2 11.1 16.7

71 33.9 24.9 37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 510

Delta R.T. -0.02 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

Tgt Ion: 136 Resp: 569625

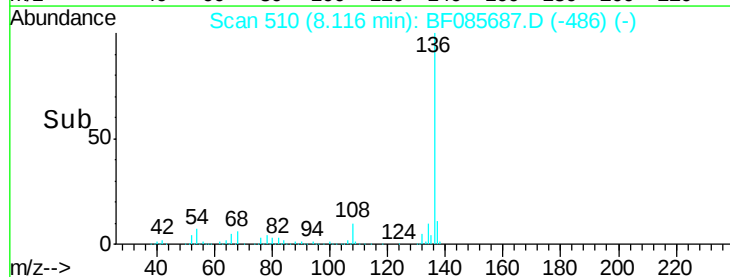
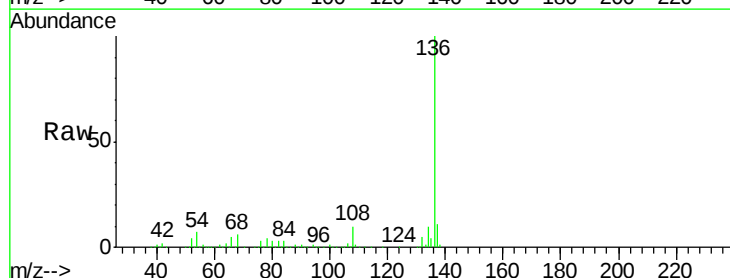
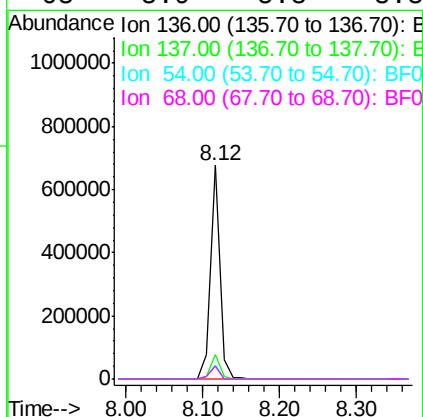
Ion Ratio Lower Upper

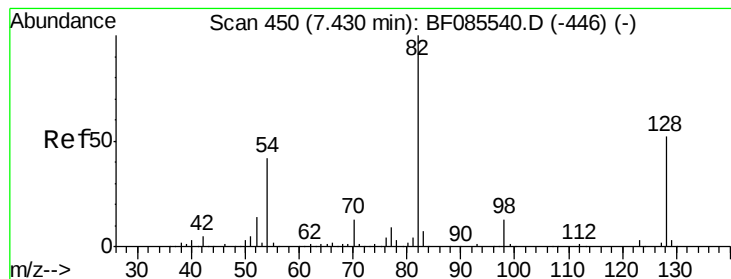
136 100

137 11.1 9.1 13.7

54 6.9 7.4 11.0#

68 5.9 5.8 8.8





#23

Nitrobenzene-d5

Concen: 99.19 ng

RT: 7.40 min Scan# 447

Delta R.T. -0.03 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

Instrument :

BNA\_F

ClientSampleId :

TRACK-D-GRID-12A

Tgt Ion: 82 Resp: 973432  
Ion Ratio Lower Upper

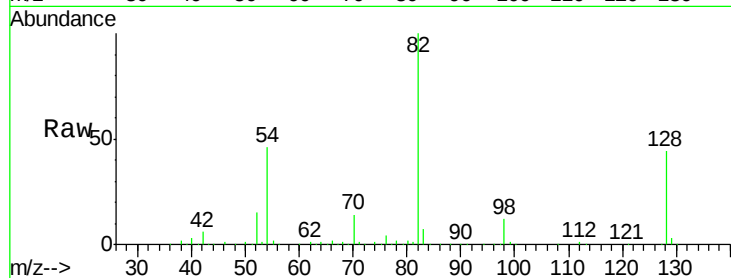
82 100

128 44.3 41.8 62.8

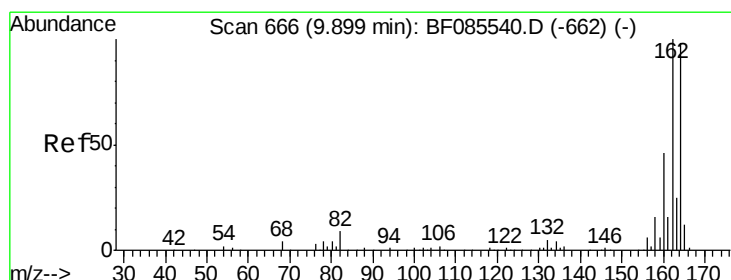
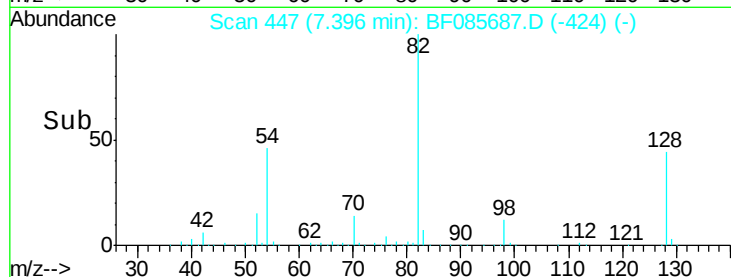
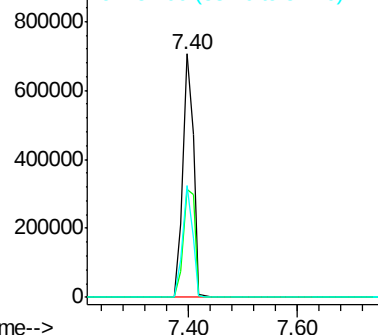
54 45.9 33.4 50.0

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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.03 min

Lab File: BF085687.D

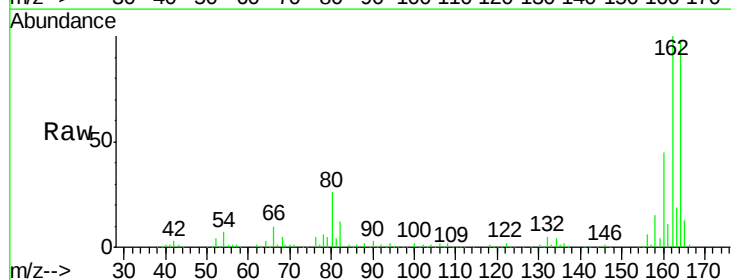
Acq: 23 Mar 2016 5:32

Tgt Ion: 164 Resp: 240007  
Ion Ratio Lower Upper

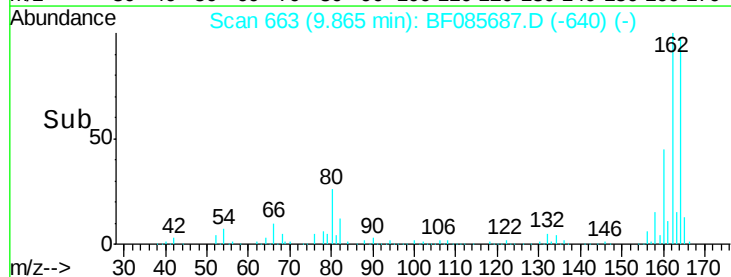
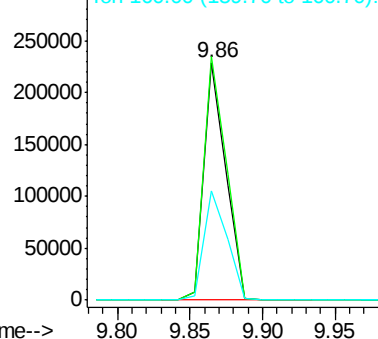
164 100

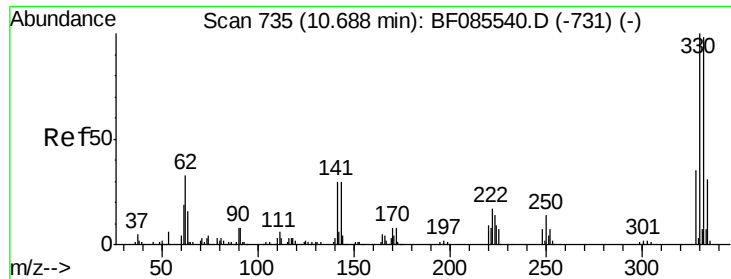
162 102.5 82.1 123.1

160 46.1 37.4 56.2



Abundance Ion 164.00 (163.70 to 164.70): B  
Ion 162.00 (161.70 to 162.70): B  
Ion 160.00 (159.70 to 160.70): B





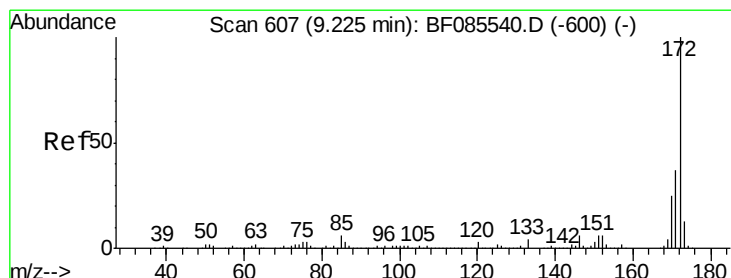
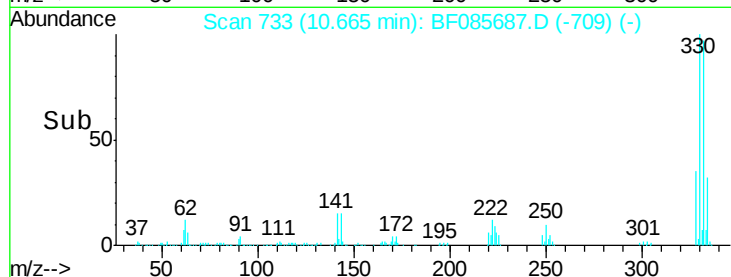
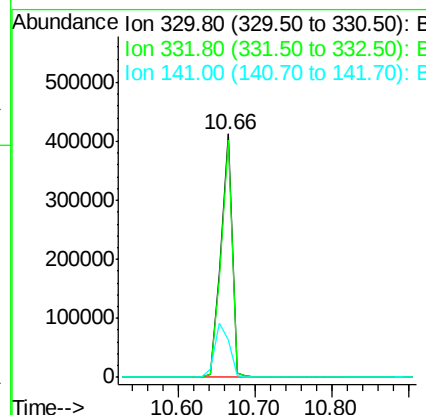
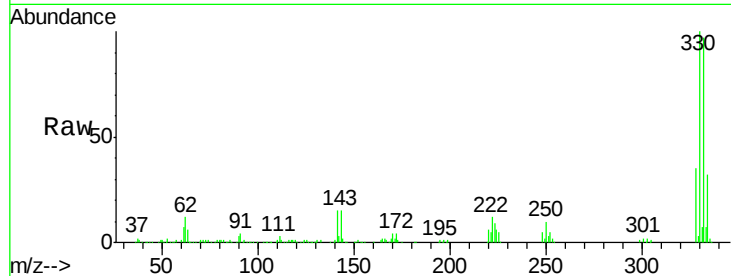
#41  
 2,4,6-Tribromophenol  
 Concen: 178.48 ng  
 RT: 10.66 min Scan# 733  
 Delta R.T. -0.02 min  
 Lab File: BF085687.D  
 Acq: 23 Mar 2016 5:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRACK-D-GRID-12A

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 419602 |       |       |
| 332     | 96.7  | 78.2   | 117.2 |       |
| 141     | 28.5  | 31.5   | 47.3# |       |

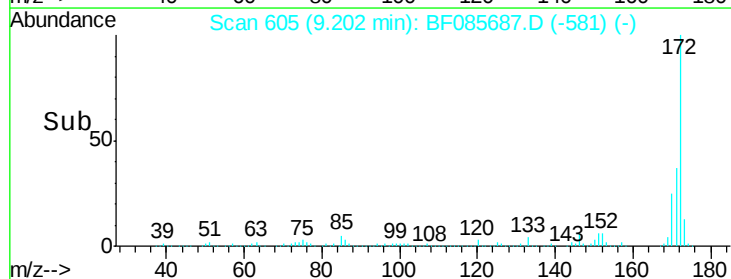
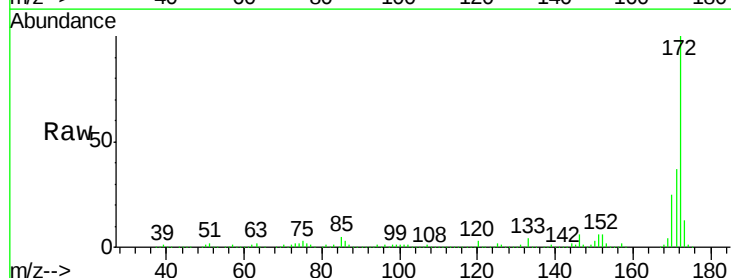
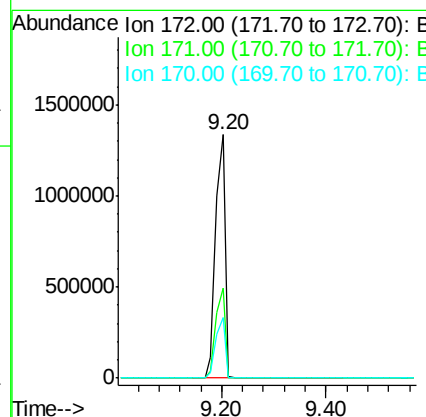
Manual Integrations  
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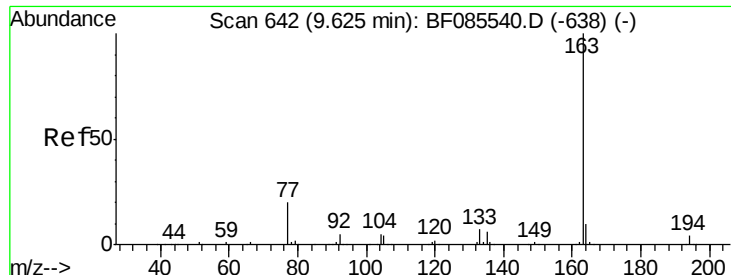
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#44  
 2-Fluorobiphenyl  
 Concen: 147.43 ng  
 RT: 9.20 min Scan# 605  
 Delta R.T. -0.02 min  
 Lab File: BF085687.D  
 Acq: 23 Mar 2016 5:32

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1702763 |       |       |
| 171     | 36.8  | 29.4    | 44.2  |       |
| 170     | 24.8  | 19.8    | 29.6  |       |





#49

Dimethylphthalate

Concen: 20.10 ng

RT: 9.59 min Scan# 639

Delta R.T. -0.03 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

Instrument :

BNA\_F

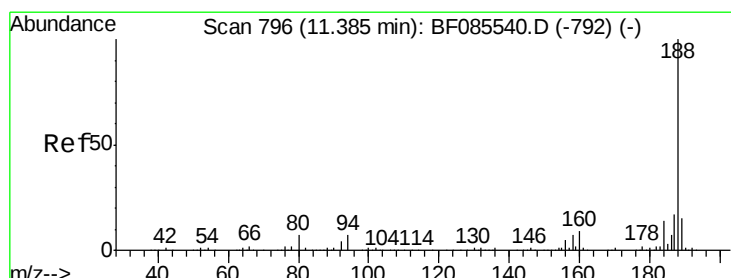
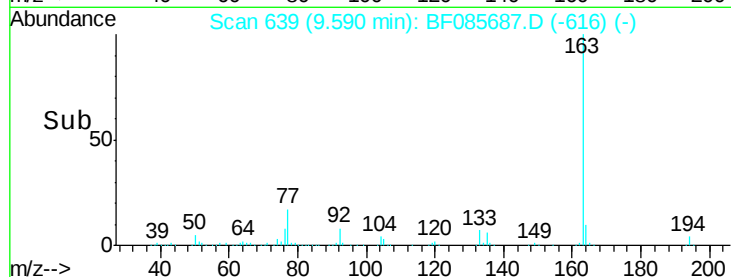
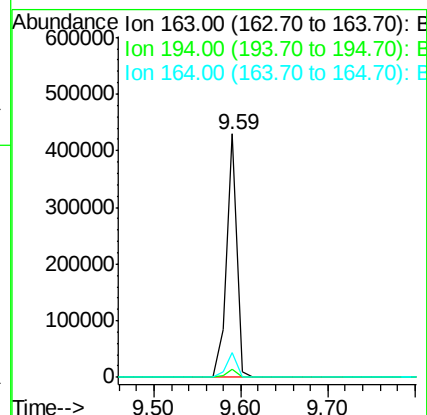
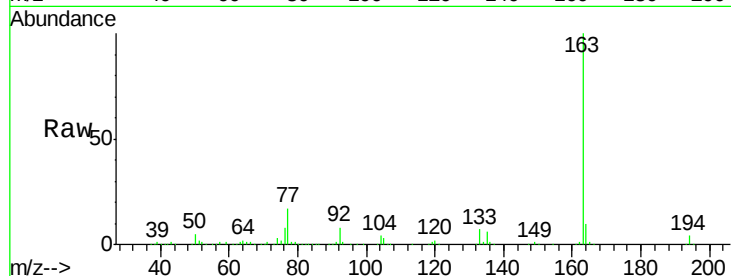
ClientSampleId :

TRACK-D-GRID-12A

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 364043 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.6   | 2.9   | 4.3    |
| 164       | 10.0  | 8.3   | 12.5   |

Manual Integrations  
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#63

Phenanthrene-d10

Concen: 20.00 ng

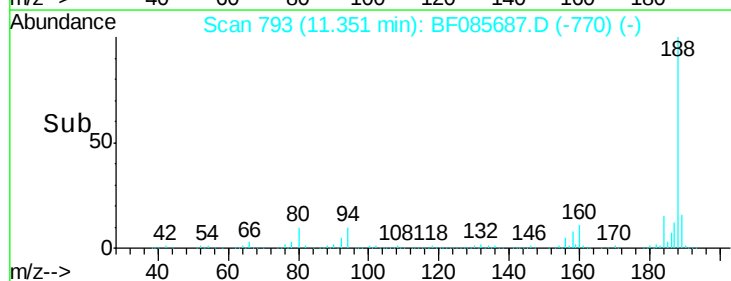
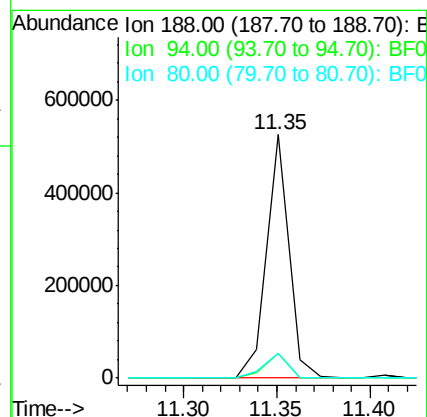
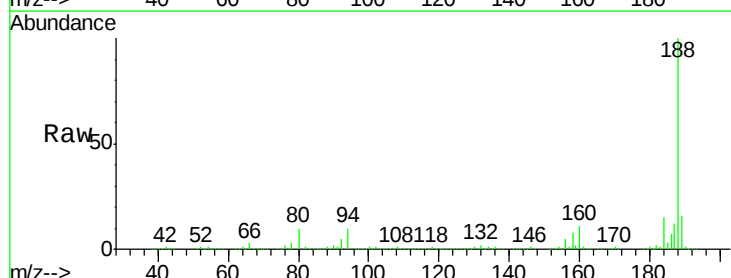
RT: 11.35 min Scan# 793

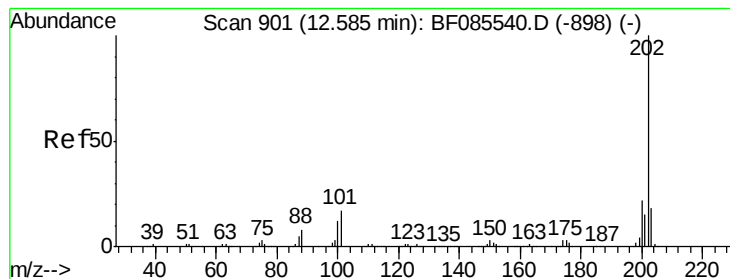
Delta R.T. -0.03 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 432134 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 10.0  | 5.4   | 8.0#   |
| 80        | 10.2  | 5.5   | 8.3#   |





#74

Fluoranthene

Concen: 2.60 ng

RT: 12.56 min Scan# 899

Delta R.T. -0.02 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

Instrument :

BNA\_F

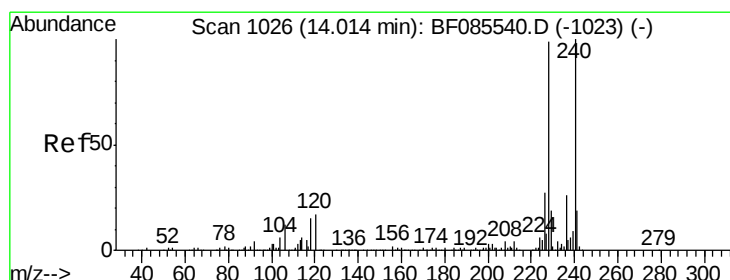
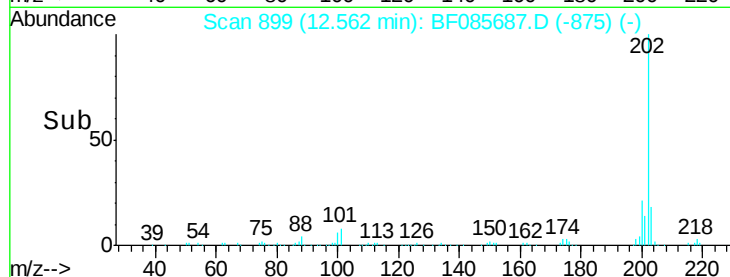
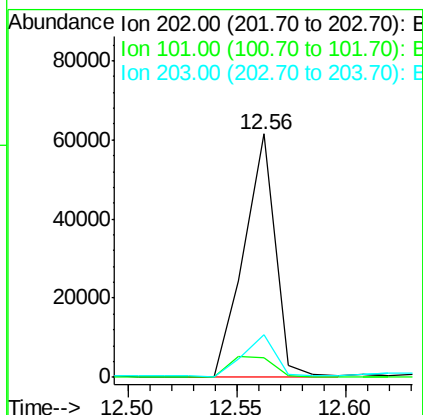
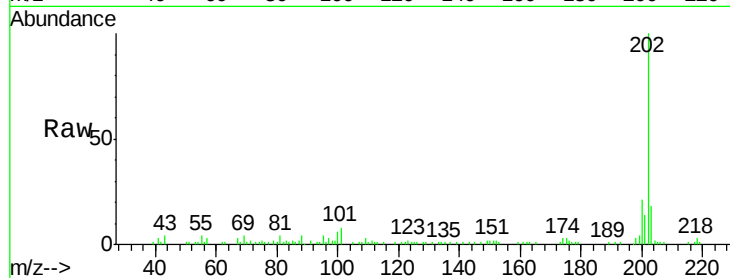
ClientSampleId :

TRACK-D-GRID-12A

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 61942 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 8.0   | 0.0   | 36.6  |
| 203       | 17.6  | 0.0   | 38.1  |

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#75

Chrysene-d12

Concen: 20.00 ng

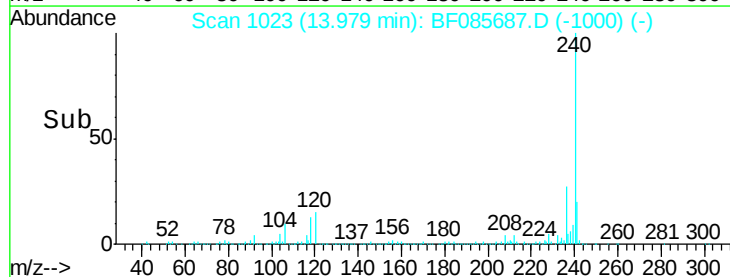
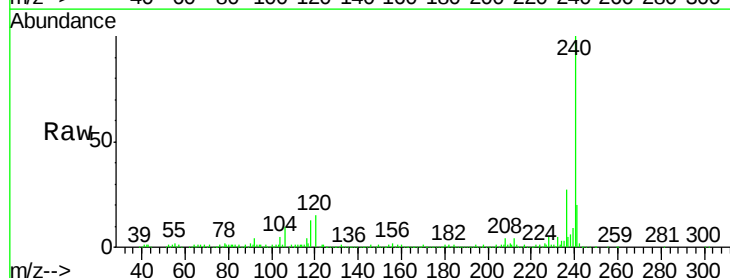
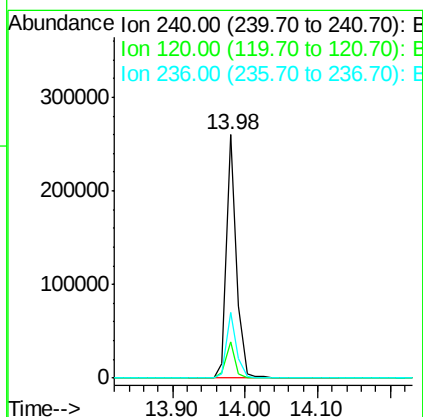
RT: 13.98 min Scan# 1023

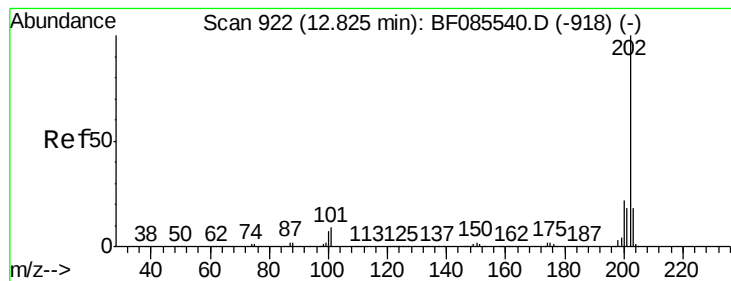
Delta R.T. -0.03 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 251011 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 14.9  | 13.8  | 20.8   |
| 236       | 26.8  | 20.6  | 30.8   |





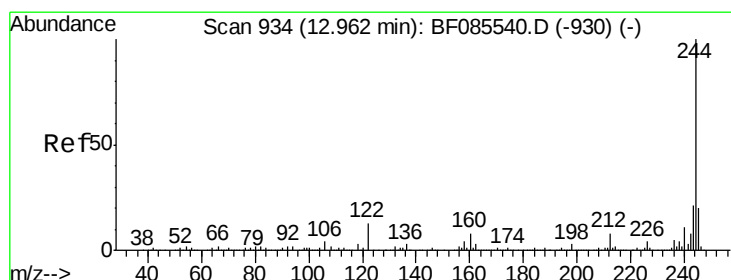
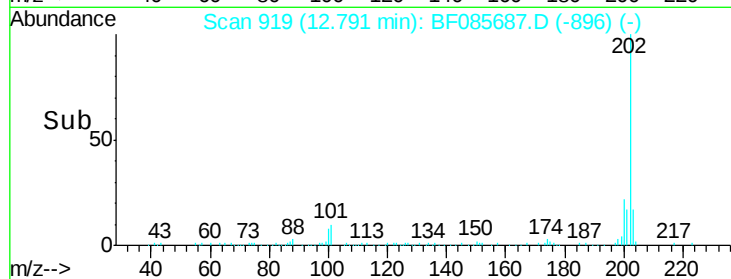
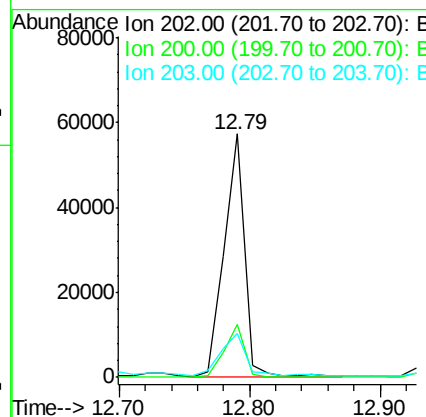
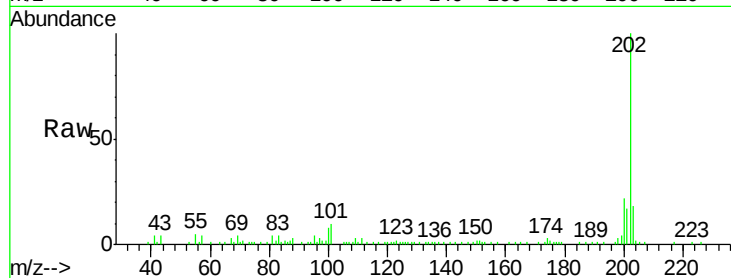
#77  
Pyrene  
Concen: 3.55 ng  
RT: 12.79 min Scan# 919  
Delta R.T. -0.03 min  
Lab File: BF085687.D  
Acq: 23 Mar 2016 5:32

Instrument :  
BNA\_F  
ClientSampleId :  
TRACK-D-GRID-12A

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.9  | 17.6  | 26.4  |
| 203     | 17.9  | 14.0  | 21.0  |

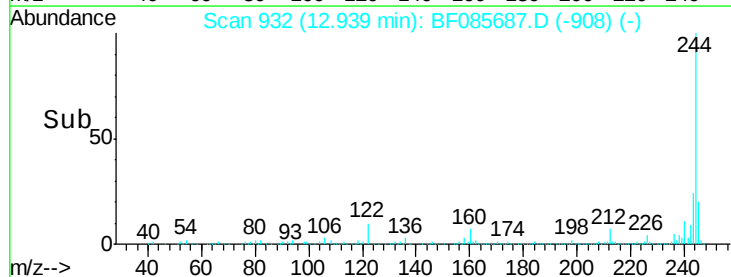
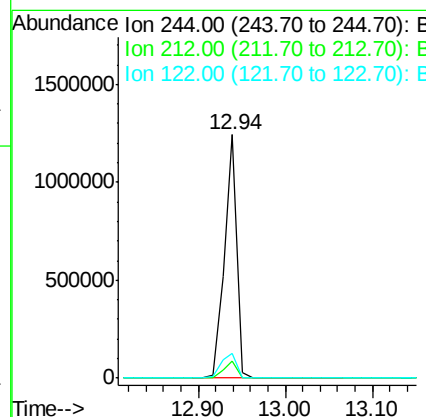
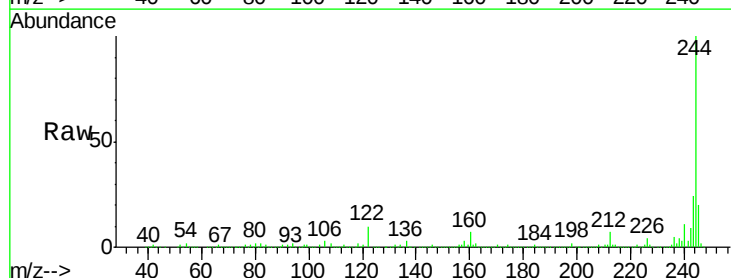
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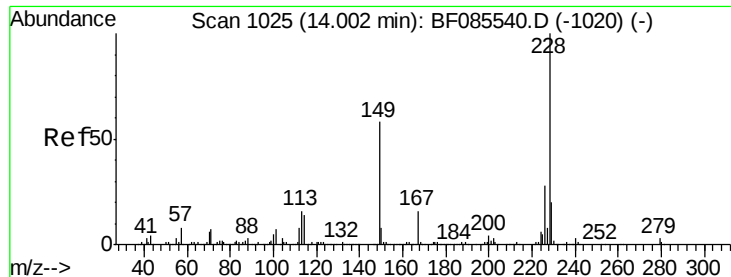
Sohil  
3/23/2016 1:30:22 PM



#78  
Terphenyl-d14  
Concen: 119.84 ng  
RT: 12.94 min Scan# 932  
Delta R.T. -0.02 min  
Lab File: BF085687.D  
Acq: 23 Mar 2016 5:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.0   | 6.1   | 9.1   |
| 122     | 9.9   | 10.2  | 15.4# |





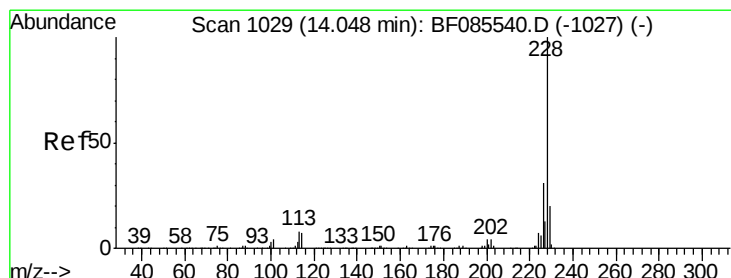
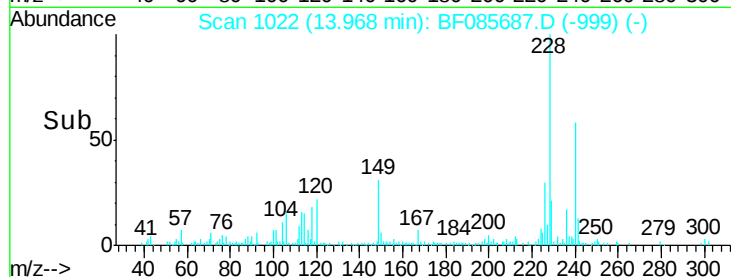
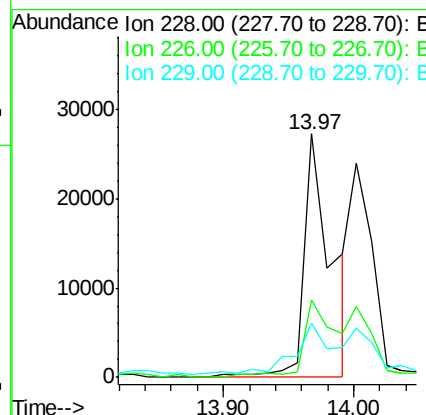
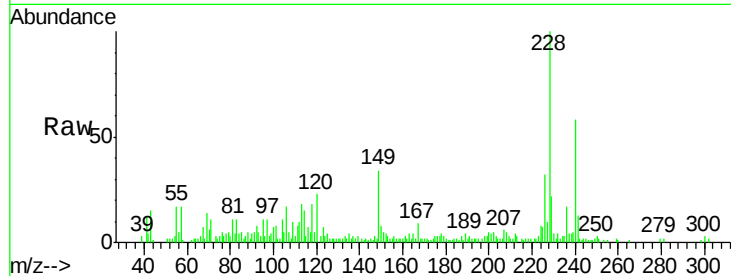
#80  
Benzo(a)anthracene  
Concen: 2.70 ng  
RT: 13.97 min Scan# 1022  
Delta R.T. -0.03 min  
Lab File: BF085687.D  
Acq: 23 Mar 2016 5:32

Instrument :  
BNA\_F  
ClientSampleId :  
TRACK-D-GRID-12A

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 39338 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 31.6  | 22.1  | 33.1  |
| 229       | 22.5  | 16.2  | 24.4  |

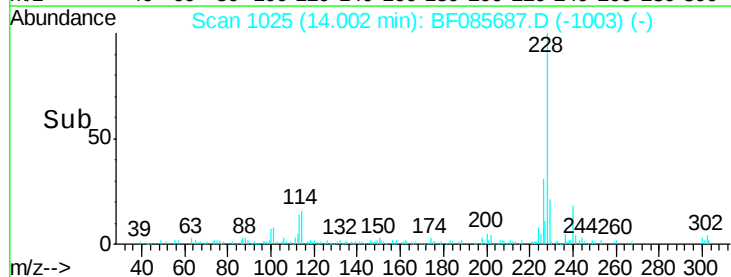
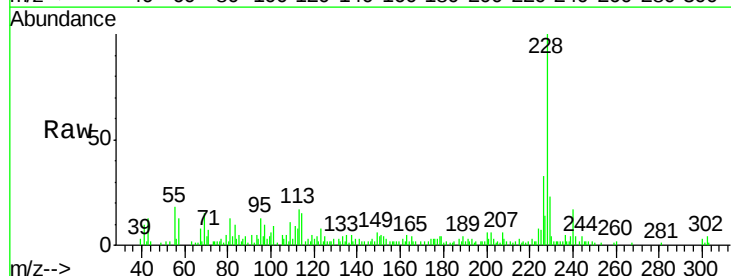
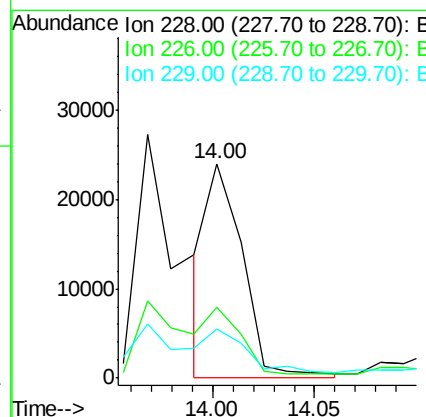
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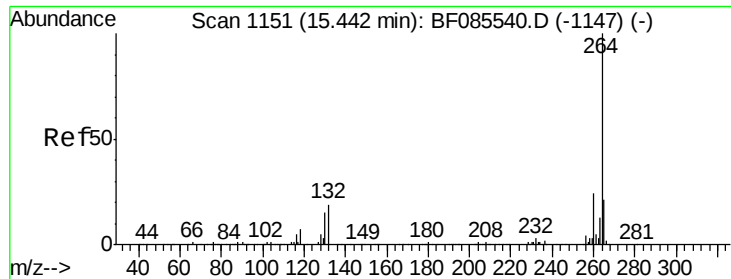
Sohil  
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#82  
Chrysene  
Concen: 2.08 ng m  
RT: 14.00 min Scan# 1025  
Delta R.T. -0.05 min  
Lab File: BF085687.D  
Acq: 23 Mar 2016 5:32

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 29168 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 32.8  | 25.0  | 37.6  |
| 229       | 23.0  | 15.7  | 23.5  |





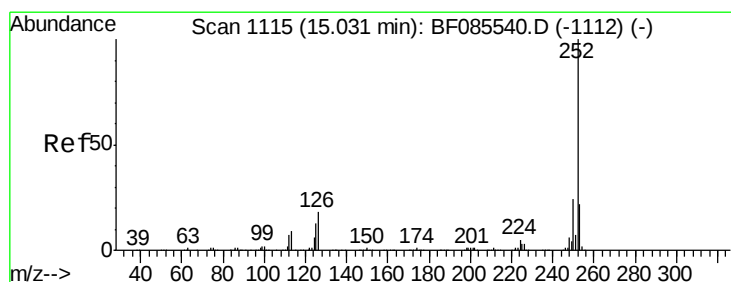
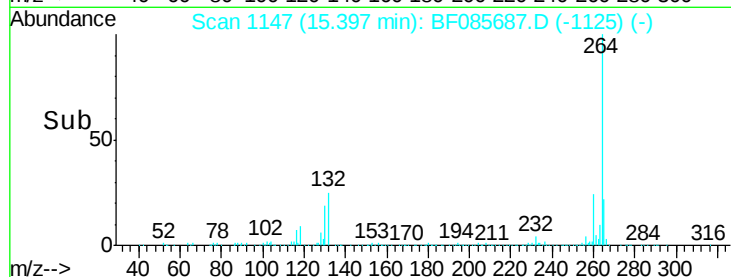
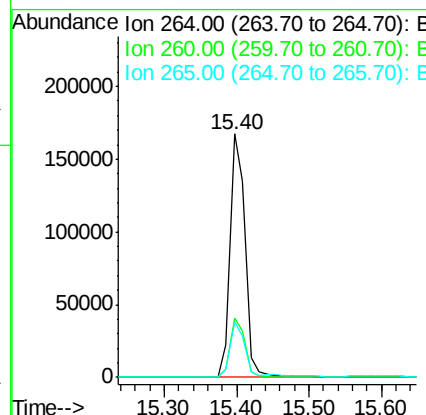
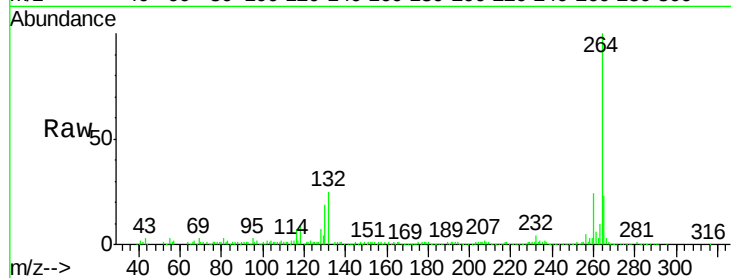
#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.40 min Scan# 1147  
Delta R.T. -0.05 min  
Lab File: BF085687.D  
Acq: 23 Mar 2016 5:32

Instrument :  
BNA\_F  
ClientSampleId :  
TRACK-D-GRID-12A

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.5  | 19.4  | 29.2  |
| 265     | 22.6  | 17.2  | 25.8  |

Manual Integrations  
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#87  
Benzo(b)fluoranthene  
Concen: 3.53 ng m  
RT: 15.00 min Scan# 1112  
Delta R.T. -0.03 min  
Lab File: BF085687.D  
Acq: 23 Mar 2016 5:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 17.6  | 26.4  |
| 125     | 13.9  | 10.3  | 15.5  |

