

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032116\  
 Data File : BF085630.D  
 Acq On : 21 Mar 2016 19:02  
 Operator : UM/SJ  
 Sample : H1838-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-1

Manual Integrations  
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Sohil  
 3/22/2016 5:33:43 PM

Quant Time: Mar 22 15:55:45 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      | 6.86  | 152  | 76364    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.18  | 136  | 103815   | 20.00  | ng    | 0.05     |
| 38) Acenaphthene-d10           | 10.00 | 164  | 68271    | 20.00  | ng    | 0.10     |
| 63) Phenanthrene-d10           | 11.46 | 188  | 103343   | 20.00  | ng    | 0.08     |
| 75) Chrysene-d12               | 14.03 | 240  | 226538   | 20.00  | ng    | 0.01     |
| 86) Perylene-d12               | 15.44 | 264  | 229197   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.43  | 112  | 548105   | 120.56 | ng    | -0.02    |
| 7) Phenol-d6                   | 6.48  | 99   | 580284   | 99.52  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.43  | 82   | 211271   | 118.13 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.78 | 330  | 54317    | 81.22  | ng    | 0.09     |
| 44) 2-Fluorobiphenyl           | 9.32  | 172  | 189697   | 41.58  | ng    | 0.09     |
| 78) Terphenyl-d14              | 13.00 | 244  | 373304   | 39.65  | ng    | 0.03     |
| Target Compounds               |       |      |          |        |       |          |
| 77) Pyrene                     | 12.86 | 202  | 249393   | 15.33  | ng    | # 89     |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149  | 128180   | 13.31  | ng    | # 89     |
| 87) Benzo(b)fluoranthene       | 15.03 | 252  | 58492m   | 3.91   | ng    |          |
| 91) Benzo(g,h,i)perylene       | 17.25 | 276  | 21984    | 2.15   | ng    | # 89     |

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

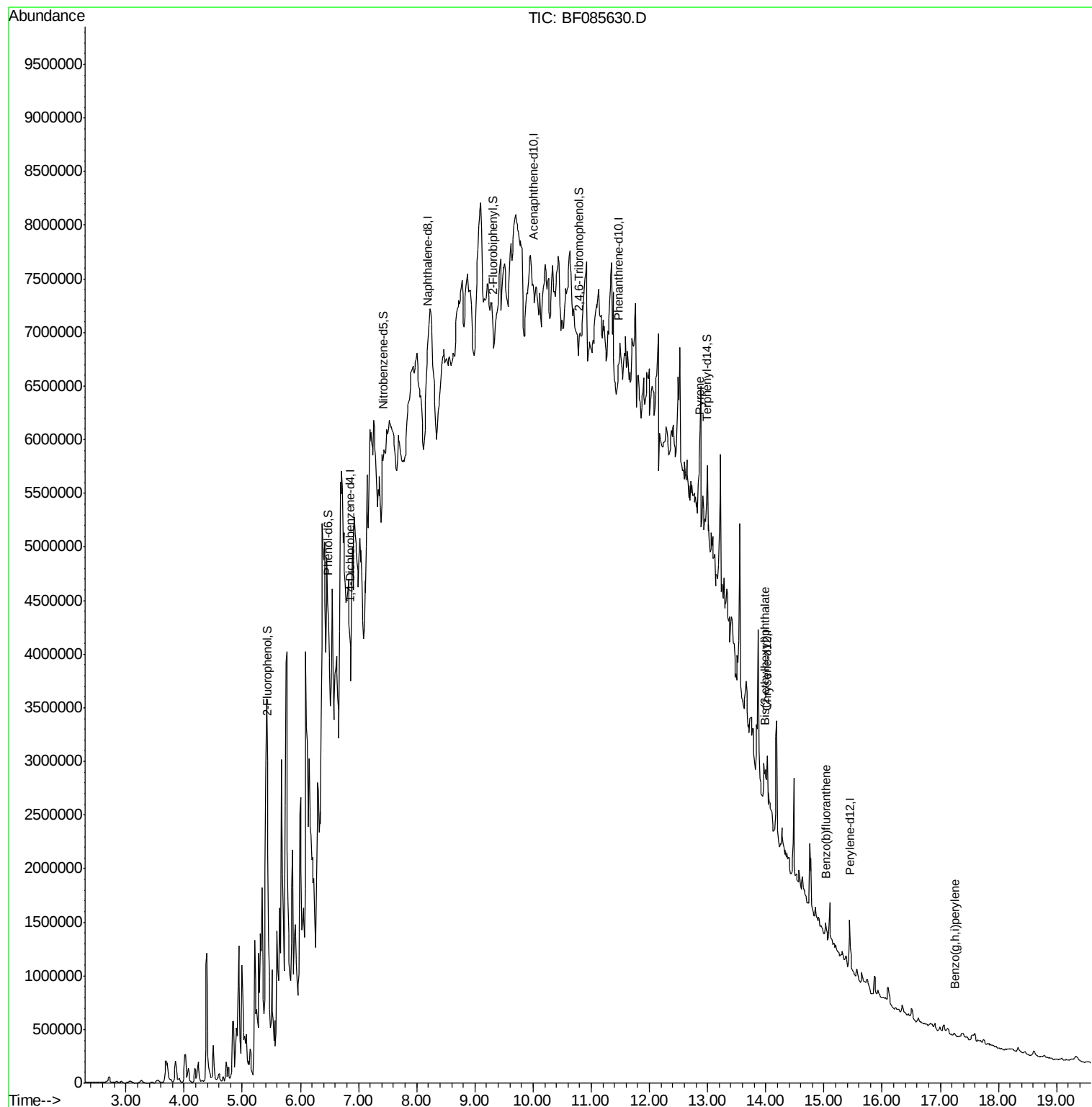
Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032116\  
Data File : BF085630.D  
Acq On : 21 Mar 2016 19:02  
Operator : UM/SJ  
Sample : H1838-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

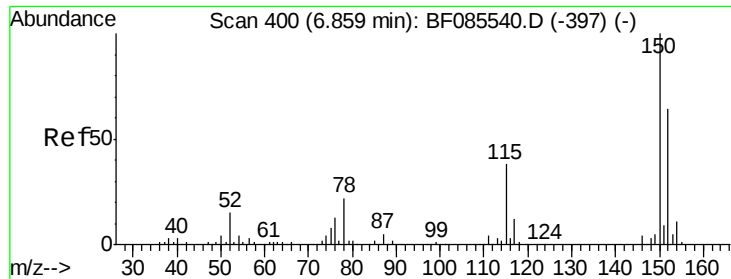
Instrument :  
BNA\_F  
ClientSampleId :  
WC-1

Manual Integrations  
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3/22/2016 5:33:43 PM

Quant Time: Mar 22 15:55:45 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: 6.86 min Scan# 400

Delta R.T. 0.00 min

Lab File: BF085630.D

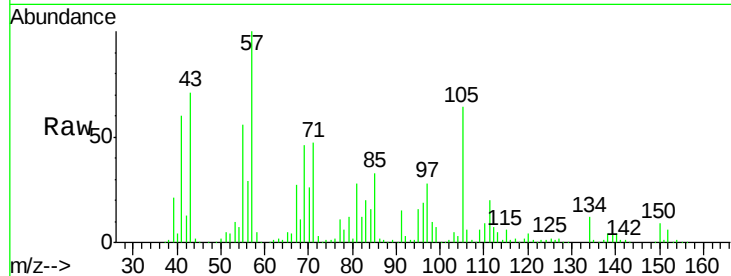
Acq: 21 Mar 2016 19:02

Instrument :

BNA\_F

ClientSampled :

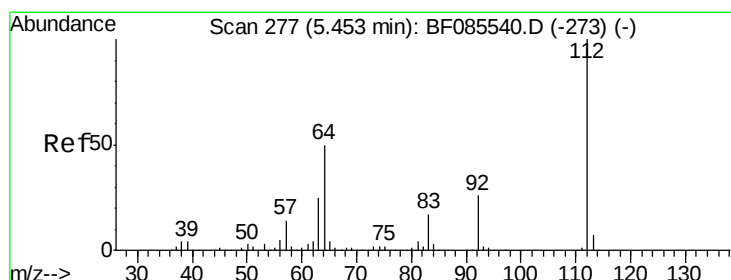
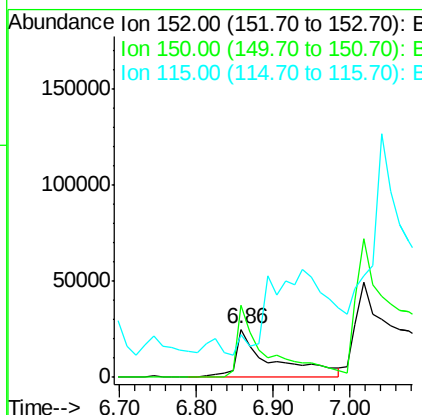
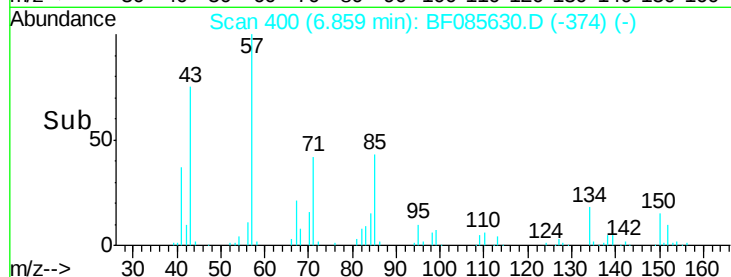
WC-1



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 76364 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 150.4 | 124.2 | 186.2 |
| 115       | 89.0  | 47.0  | 70.6# |

Manual Integrations  
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#5

2-Fluorophenol

Concen: 120.56 ng

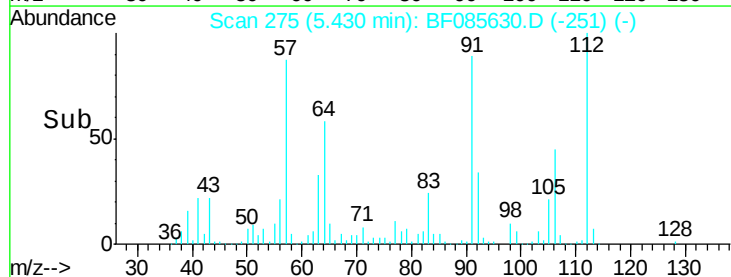
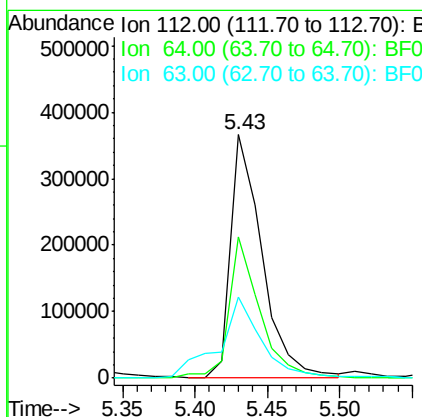
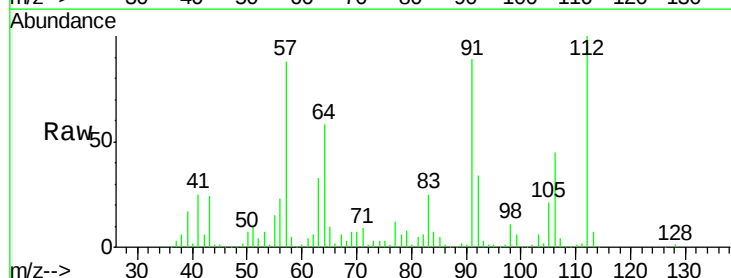
RT: 5.43 min Scan# 275

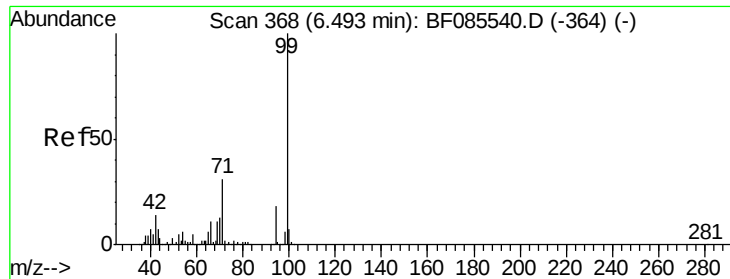
Delta R.T. -0.02 min

Lab File: BF085630.D

Acq: 21 Mar 2016 19:02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 112   | Resp: | 548105 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 57.9  | 39.9  | 59.9   |
| 63        | 33.2  | 20.2  | 30.2#  |





#7

Phenol-d6

Concen: 99.52 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF085630.D

Acq: 21 Mar 2016 19:02

Instrument :

BNA\_F

ClientSampled :

WC-1

Tgt Ion: 99 Resp: 580284

Ion Ratio Lower Upper

99 100

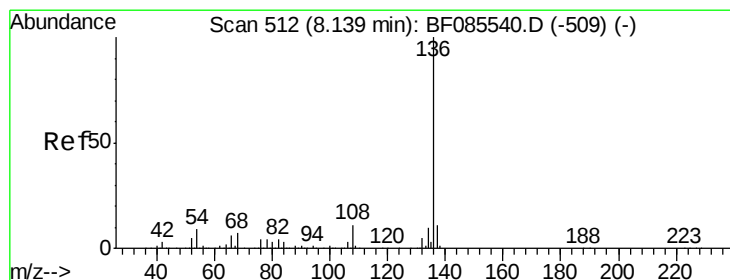
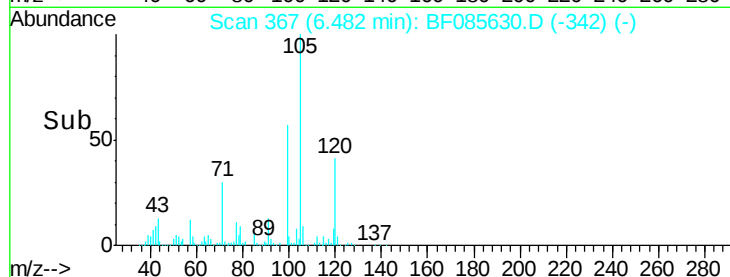
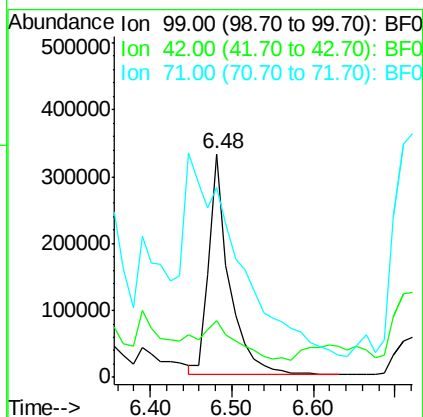
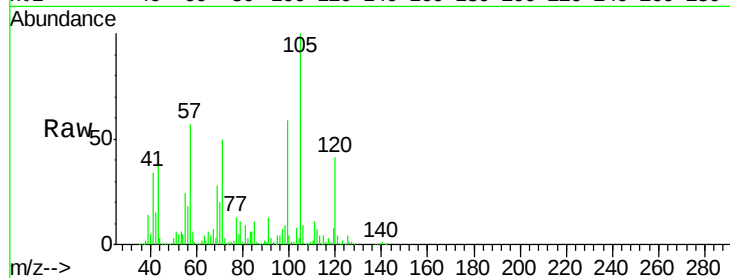
42 25.6 11.1 16.7#

71 85.0 24.9 37.3#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 516

Delta R.T. 0.05 min

Lab File: BF085630.D

Acq: 21 Mar 2016 19:02

Tgt Ion: 136 Resp: 103815

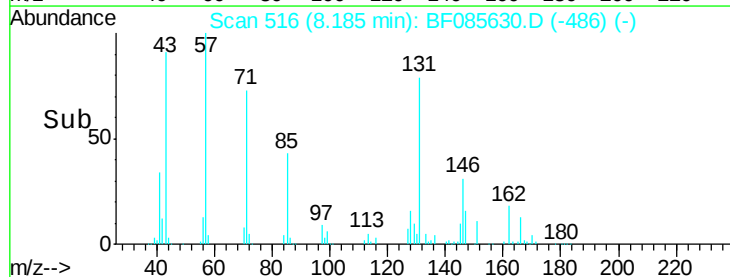
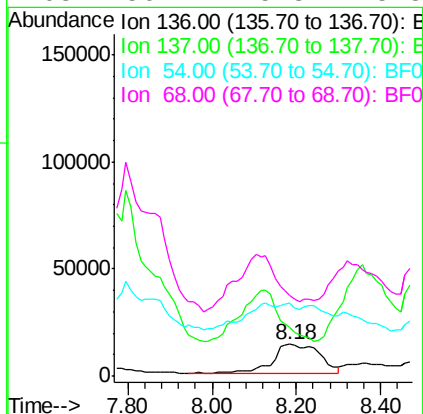
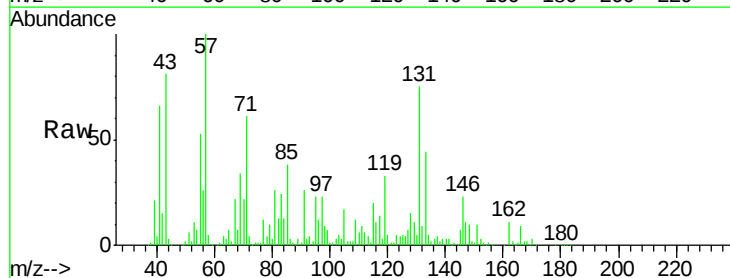
Ion Ratio Lower Upper

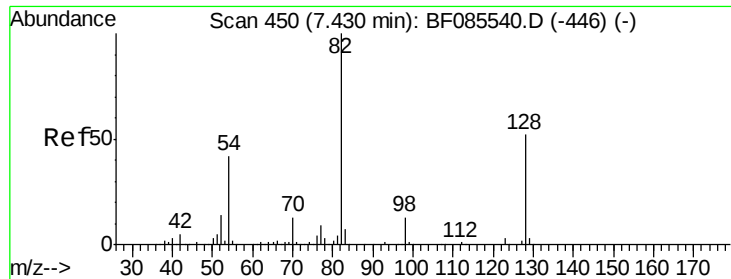
136 100

137 152.1 9.1 13.7#

54 230.1 7.4 11.0#

68 256.1 5.8 8.8#





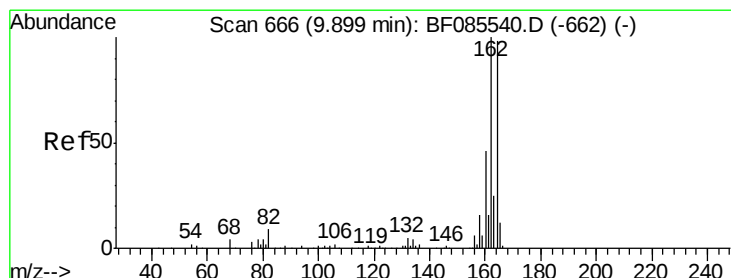
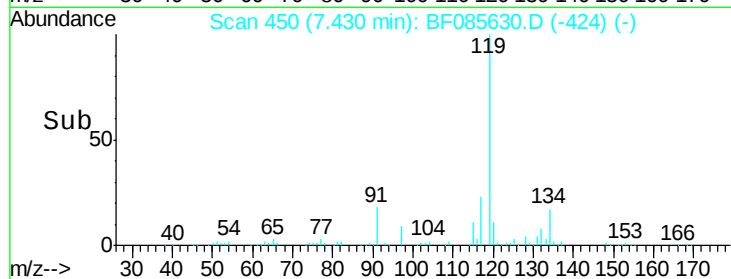
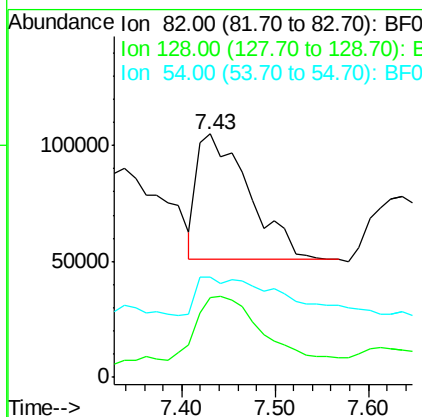
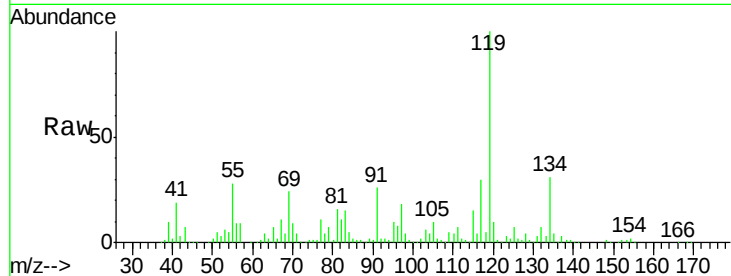
#23  
 Nitrobenzene-d5  
 Concen: 118.13 ng  
 RT: 7.43 min Scan# 450  
 Delta R.T. 0.00 min  
 Lab File: BF085630.D  
 Acq: 21 Mar 2016 19:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 33.0  | 41.8  | 62.8# |
| 54      | 41.1  | 33.4  | 50.0  |

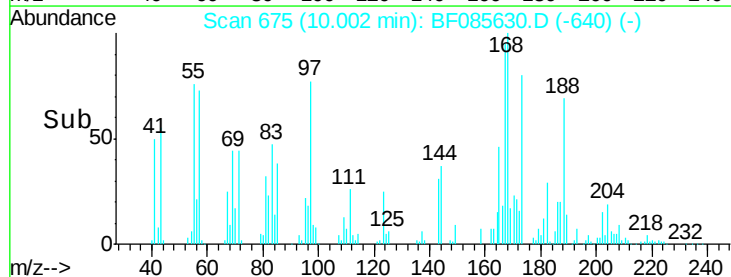
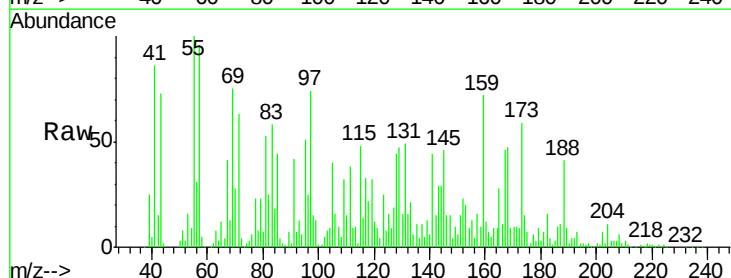
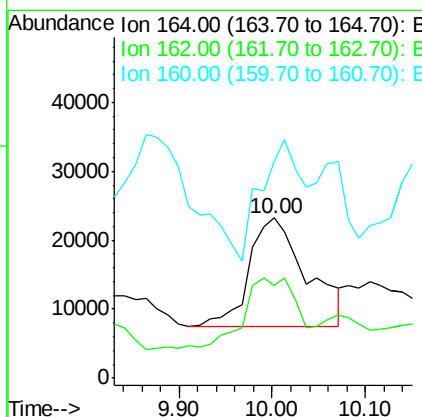
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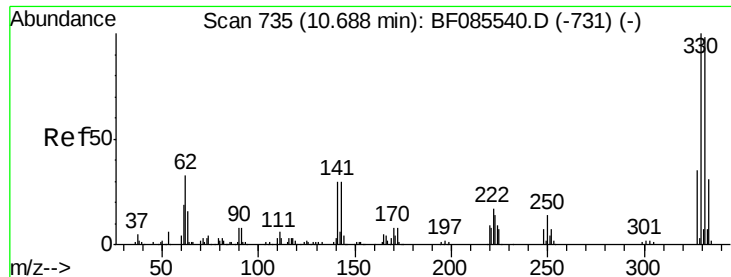
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#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.00 min Scan# 675  
 Delta R.T. 0.10 min  
 Lab File: BF085630.D  
 Acq: 21 Mar 2016 19:02

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 164     | 100   |       |        |
| 162     | 58.3  | 82.1  | 123.1# |
| 160     | 135.7 | 37.4  | 56.2#  |





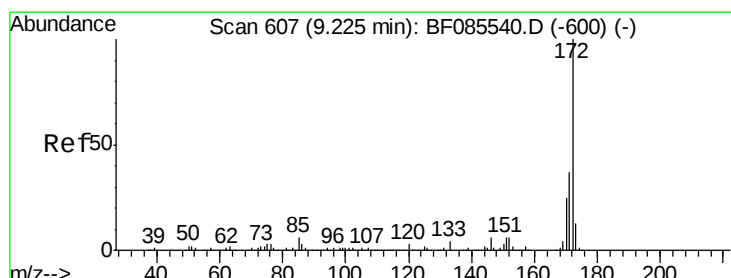
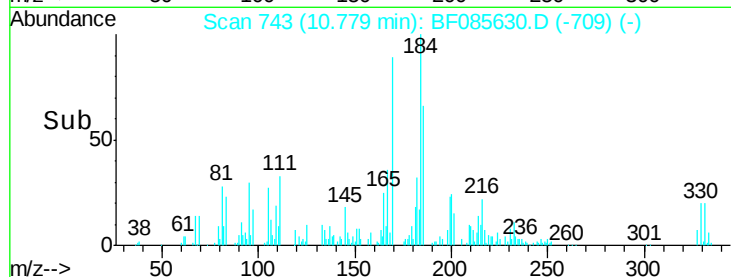
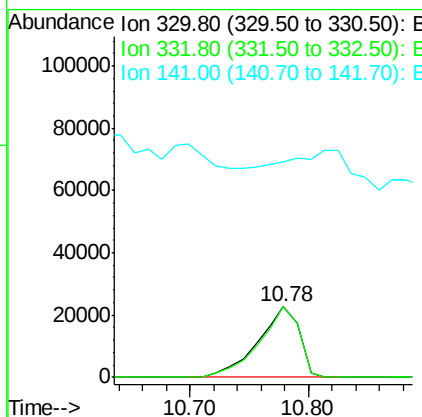
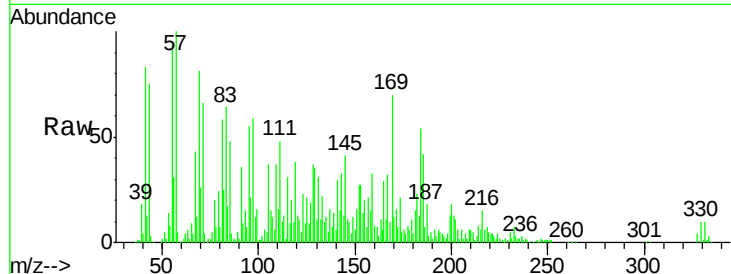
#41  
 2,4,6-Tribromophenol  
 Concen: 81.22 ng  
 RT: 10.78 min Scan# 743  
 Delta R.T. 0.09 min  
 Lab File: BF085630.D  
 Acq: 21 Mar 2016 19:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.3  | 78.2  | 117.2 |
| 141     | 0.0   | 31.5  | 47.3# |

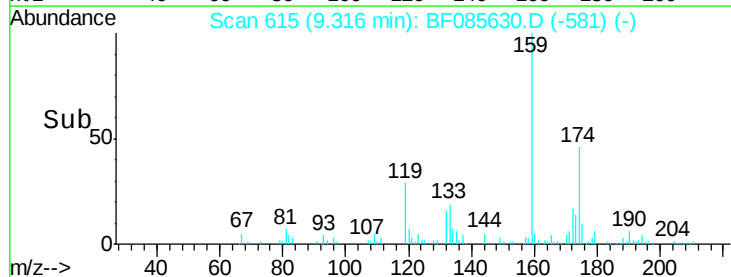
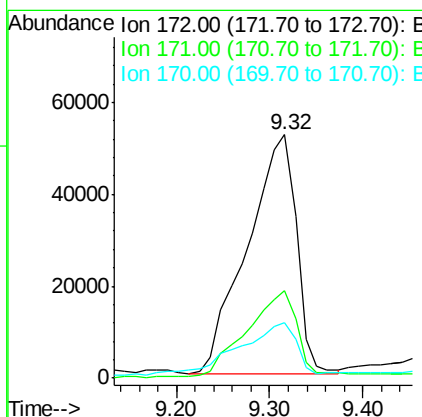
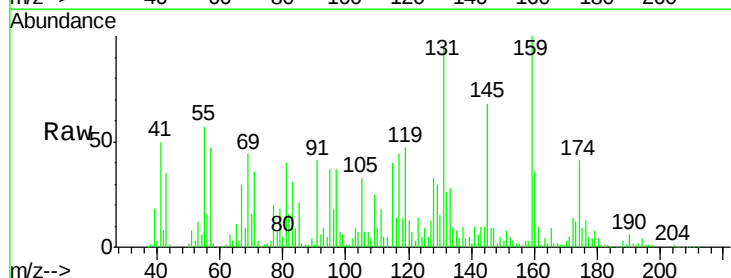
Manual Integrations  
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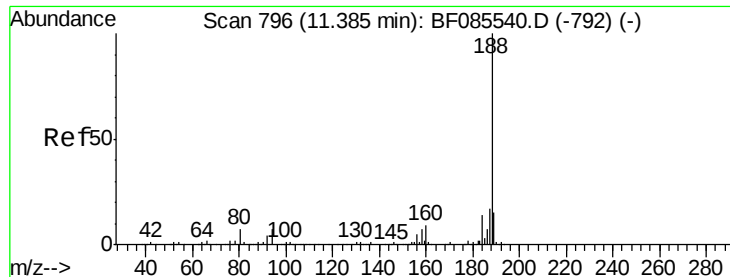
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#44  
 2-Fluorobiphenyl  
 Concen: 41.58 ng  
 RT: 9.32 min Scan# 615  
 Delta R.T. 0.09 min  
 Lab File: BF085630.D  
 Acq: 21 Mar 2016 19:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 29.4  | 44.2  |
| 170     | 22.7  | 19.8  | 29.6  |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.46 min Scan# 803

Delta R.T. 0.08 min

Lab File: BF085630.D

Acq: 21 Mar 2016 19:02

Instrument :

BNA\_F

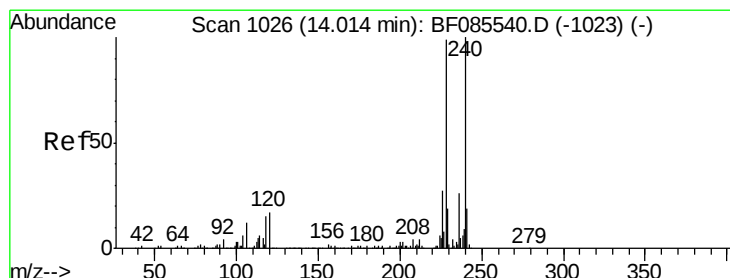
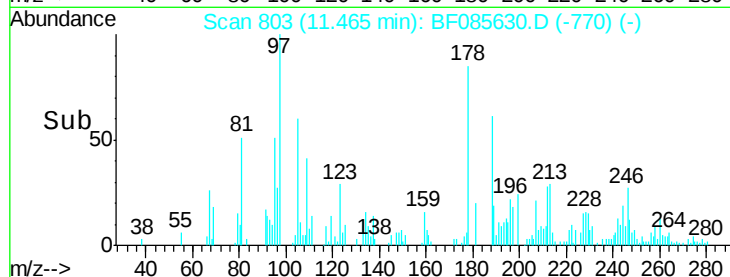
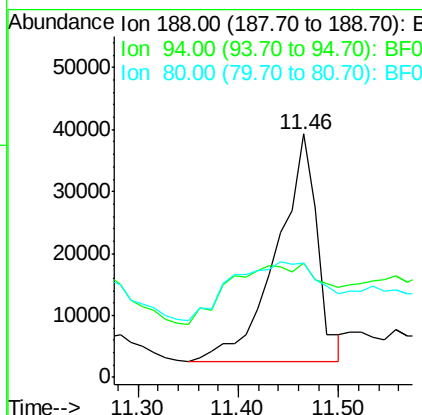
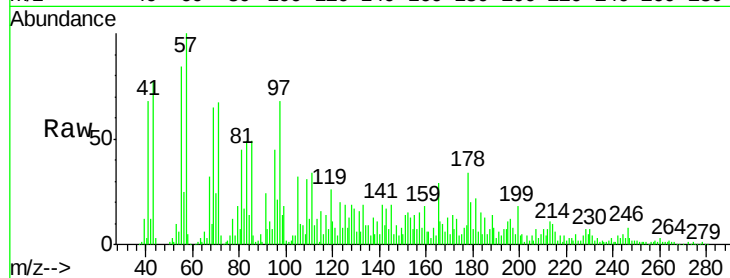
ClientSampled :

WC-1

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 103343 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 46.9  | 5.4   | 8.0#   |
| 80        | 47.0  | 5.5   | 8.3#   |

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#75

Chrysene-d12

Concen: 20.00 ng

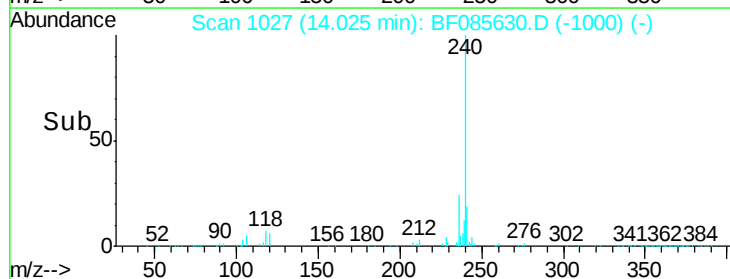
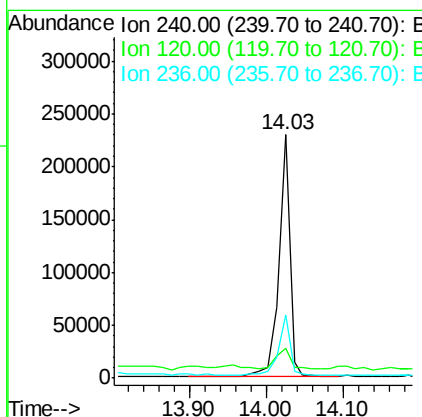
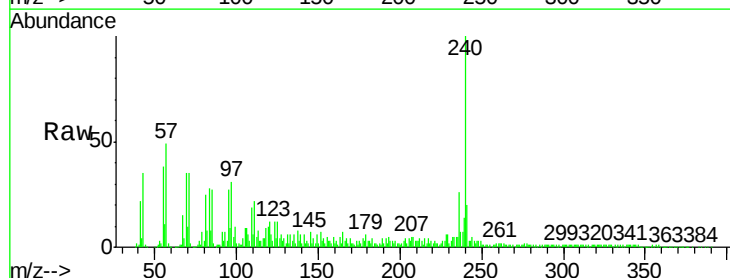
RT: 14.03 min Scan# 1027

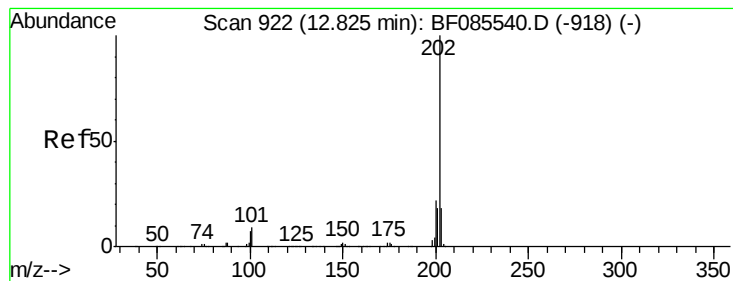
Delta R.T. 0.01 min

Lab File: BF085630.D

Acq: 21 Mar 2016 19:02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 226538 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 12.2  | 13.8  | 20.8#  |
| 236       | 26.2  | 20.6  | 30.8   |





#77

Pyrene

Concen: 15.33 ng

RT: 12.86 min Scan# 925

Delta R.T. 0.03 min

Lab File: BF085630.D

Acq: 21 Mar 2016 19:02

Instrument :

BNA\_F

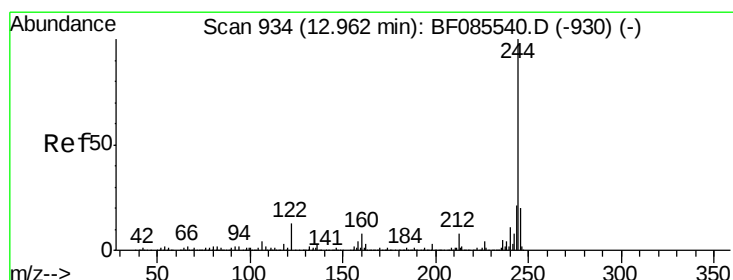
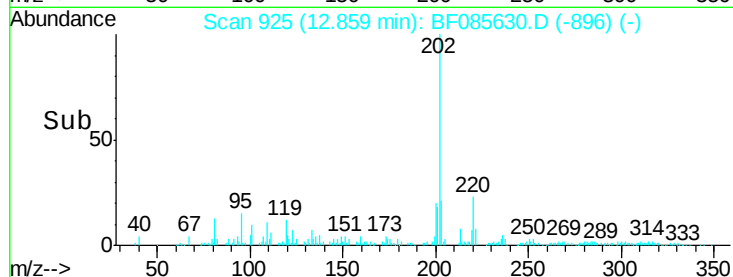
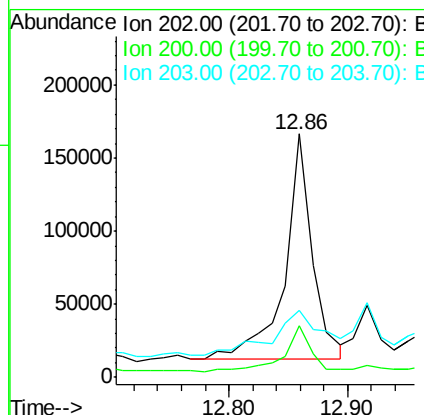
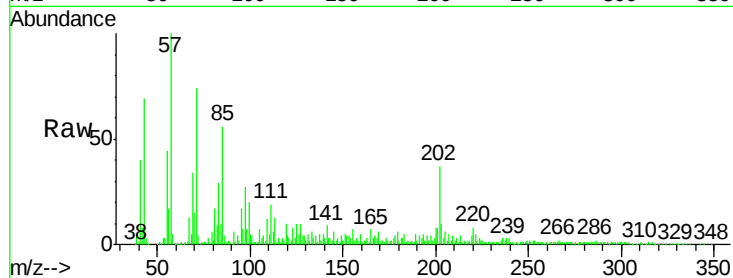
ClientSampleId :

WC-1

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 249393 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.0  | 17.6  | 26.4   |
| 203       | 27.3  | 14.0  | 21.0#  |

Manual Integrations  
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#78

Terphenyl-d14

Concen: 39.65 ng

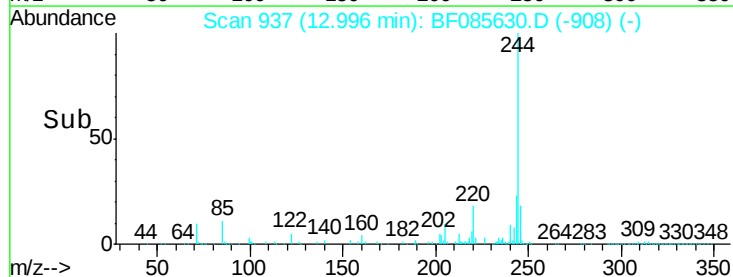
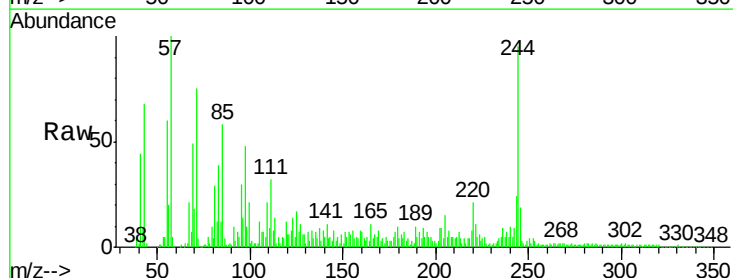
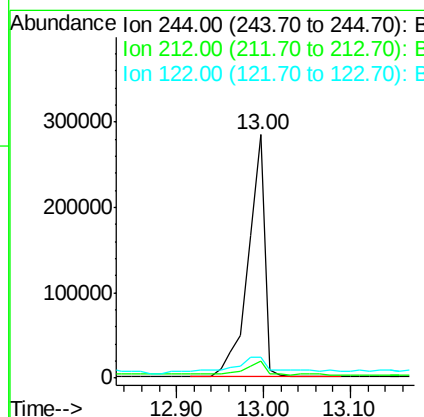
RT: 13.00 min Scan# 937

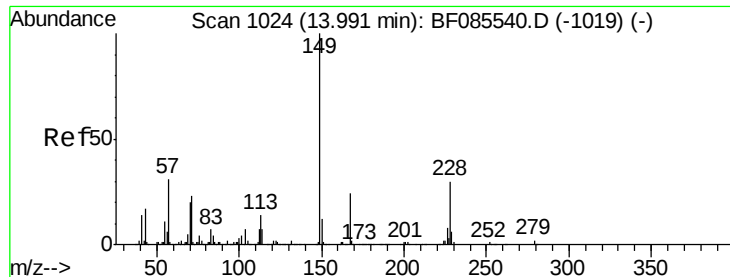
Delta R.T. 0.03 min

Lab File: BF085630.D

Acq: 21 Mar 2016 19:02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 244   | Resp: | 373304 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 7.2   | 6.1   | 9.1    |
| 122       | 8.4   | 10.2  | 15.4#  |





#83

Bis(2-ethylhexyl)phthalate

Concen: 13.31 ng

RT: 13.99 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF085630.D

Acq: 21 Mar 2016 19:02

Instrument :

BNA\_F

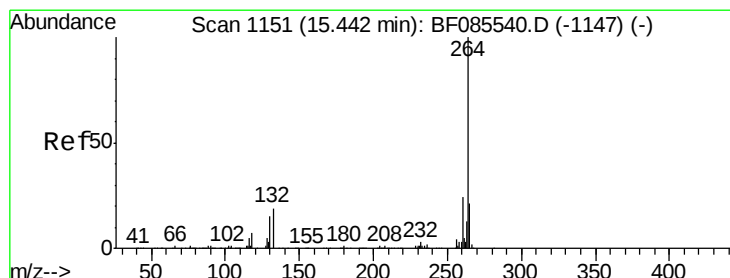
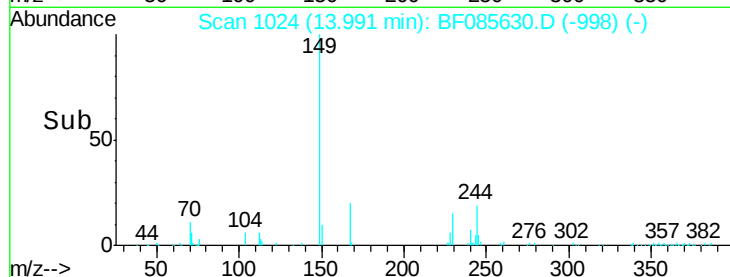
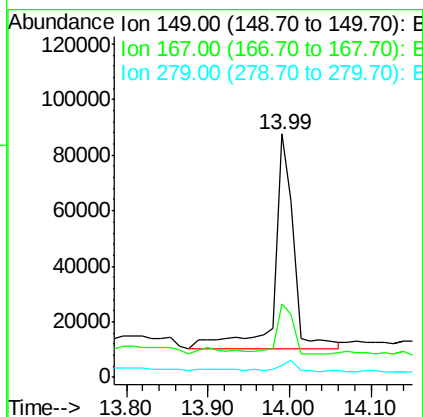
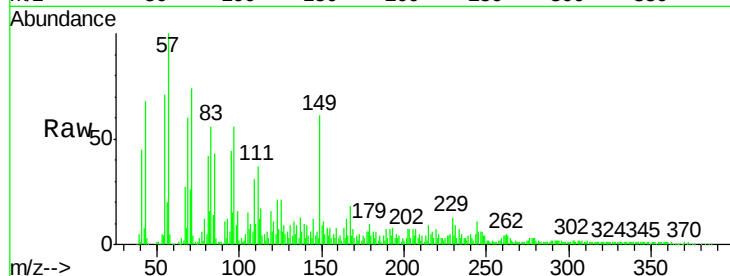
ClientSampled :

WC-1

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 128180 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 30.0  | 19.4  | 29.2#  |
| 279       | 5.0   | 1.5   | 2.3#   |

Manual Integrations  
APPROVED

Sohil  
3/22/2016 5:33:43 PM



#86

Perylene-d12

Concen: 20.00 ng

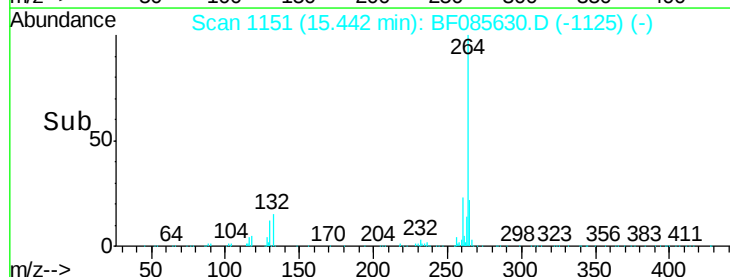
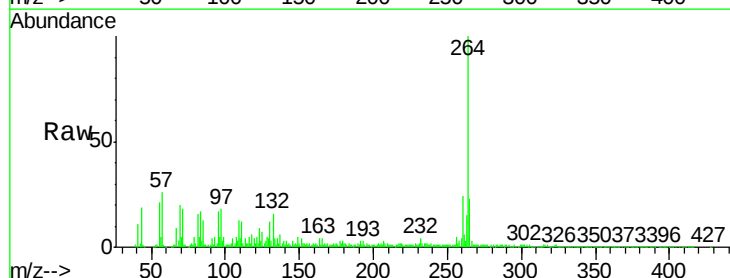
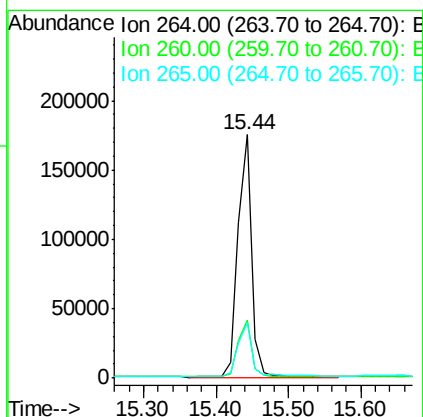
RT: 15.44 min Scan# 1151

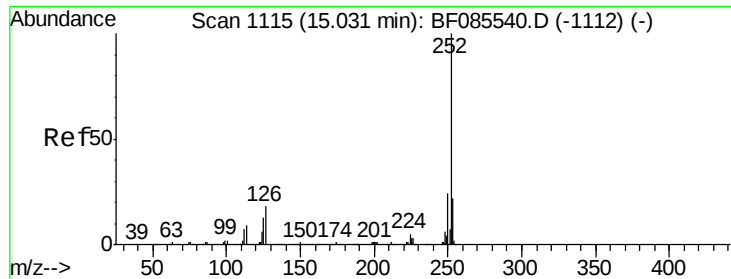
Delta R.T. 0.00 min

Lab File: BF085630.D

Acq: 21 Mar 2016 19:02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 229197 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.0  | 19.4  | 29.2   |
| 265       | 22.6  | 17.2  | 25.8   |





#87

Benzo(b)fluoranthene

Concen: 3.91 ng m

RT: 15.03 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BF085630.D

Acq: 21 Mar 2016 19:02

Instrument :

BNA\_F

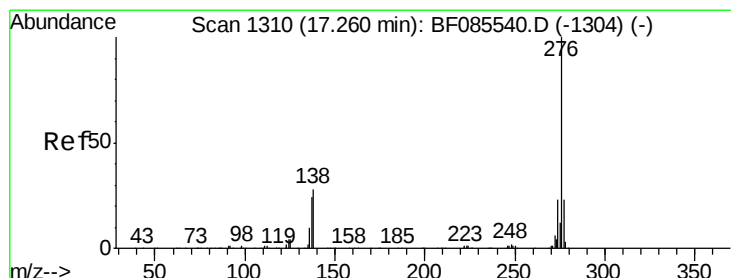
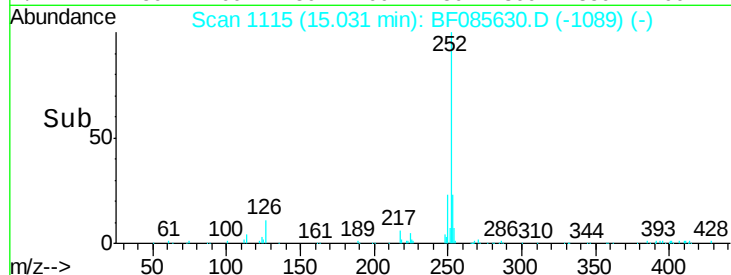
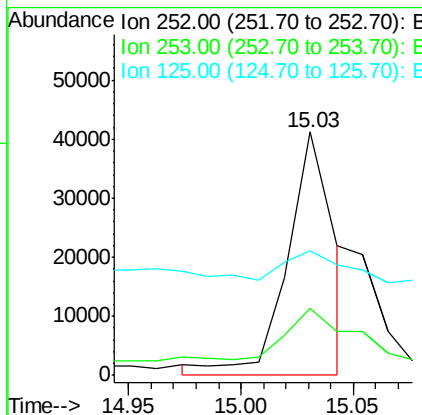
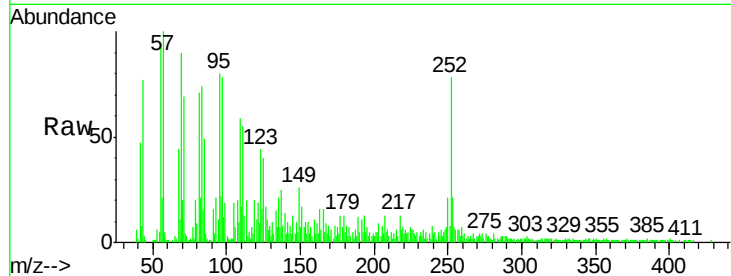
ClientSampled :

WC-1

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 58492 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 27.5  | 17.6  | 26.4# |
| 125       | 51.3  | 10.3  | 15.5# |

Manual Integrations  
APPROVED

Sohil  
3/22/2016 5:33:43 PM



#91

Benzo(g,h,i)perylene

Concen: 2.15 ng

RT: 17.25 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF085630.D

Acq: 21 Mar 2016 19:02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 21984 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 27.0  | 18.8  | 28.2  |
| 138       | 36.2  | 22.6  | 34.0# |

