

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032717\  
 Data File : BF093944.D  
 Acq On : 27 Mar 2017 15:11  
 Operator : SJ/MA  
 Sample : I2367-05DL 4X  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-R15-SSWDL

Manual Integrations  
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 3/28/2017 3:43:07 PM

Quant Time: Mar 27 16:46:16 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 27 16:10:49 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 5.95  | 152  | 190041   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.46  | 136  | 760006   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.60  | 164  | 324591   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.42 | 188  | 509114   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 14.68 | 240  | 313908   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 16.32 | 264  | 307529   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 4.47  | 112  | 340013   | 30.22 | ng    | 0.00     |
| 7) Phenol-d6                | 5.54  | 99   | 424080   | 30.47 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 6.59  | 82   | 218758   | 16.43 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.56 | 330  | 55816    | 21.76 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 8.77  | 172  | 473104   | 22.23 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.39 | 244  | 265967   | 18.99 | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 31) Naphthalene             | 7.48  | 128  | 627380   | 17.17 | ng    | 99       |
| 37) 2-Methylnaphthalene     | 8.32  | 142  | 312674   | 12.84 | ng    | 98       |
| 49) Dimethylphthalate       | 9.27  | 163  | 62893    | 2.73  | ng    | # 99     |
| 51) Acenaphthene            | 9.63  | 154  | 147401   | 7.42  | ng    | 100      |
| 54) Dibenzofuran            | 9.85  | 168  | 115508   | 4.27  | ng    | 99       |
| 57) Fluorene                | 10.27 | 166  | 199910   | 8.91  | ng    | 100      |
| 70) Phenanthrene            | 11.46 | 178  | 2123425  | 74.98 | ng    | 100      |
| 71) Anthracene              | 11.52 | 178  | 565133   | 19.38 | ng    | 99       |
| 72) Carbazole               | 11.71 | 167  | 246347   | 8.24  | ng    | 97       |
| 74) Fluoranthene            | 12.93 | 202  | 2102782  | 72.51 | ng    | 99       |
| 77) Pyrene                  | 13.20 | 202  | 1855821  | 81.46 | ng    | 100      |
| 80) Benzo(a)anthracene      | 14.67 | 228  | 919143   | 50.21 | ng    | 99       |
| 82) Chrysene                | 14.71 | 228  | 849028   | 49.98 | ng    | 97       |
| 85) Indeno(1,2,3-cd)pyrene  | 17.69 | 276  | 384349   | 26.13 | ng    | 95       |
| 87) Benzo(b)fluoranthene    | 15.90 | 252  | 1020465m | 54.13 | ng    |          |
| 88) Benzo(k)fluoranthene    | 15.93 | 252  | 320937m  | 17.40 | ng    |          |
| 89) Benzo(a)pyrene          | 16.26 | 252  | 695813   | 40.08 | ng    | 97       |
| 90) Dibenzo(a,h)anthracene  | 17.70 | 278  | 103560m  | 7.04  | ng    |          |
| 91) Benzo(a,h,i)perylene    | 18.10 | 276  | 332300   | 22.43 | ng    | 98       |

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

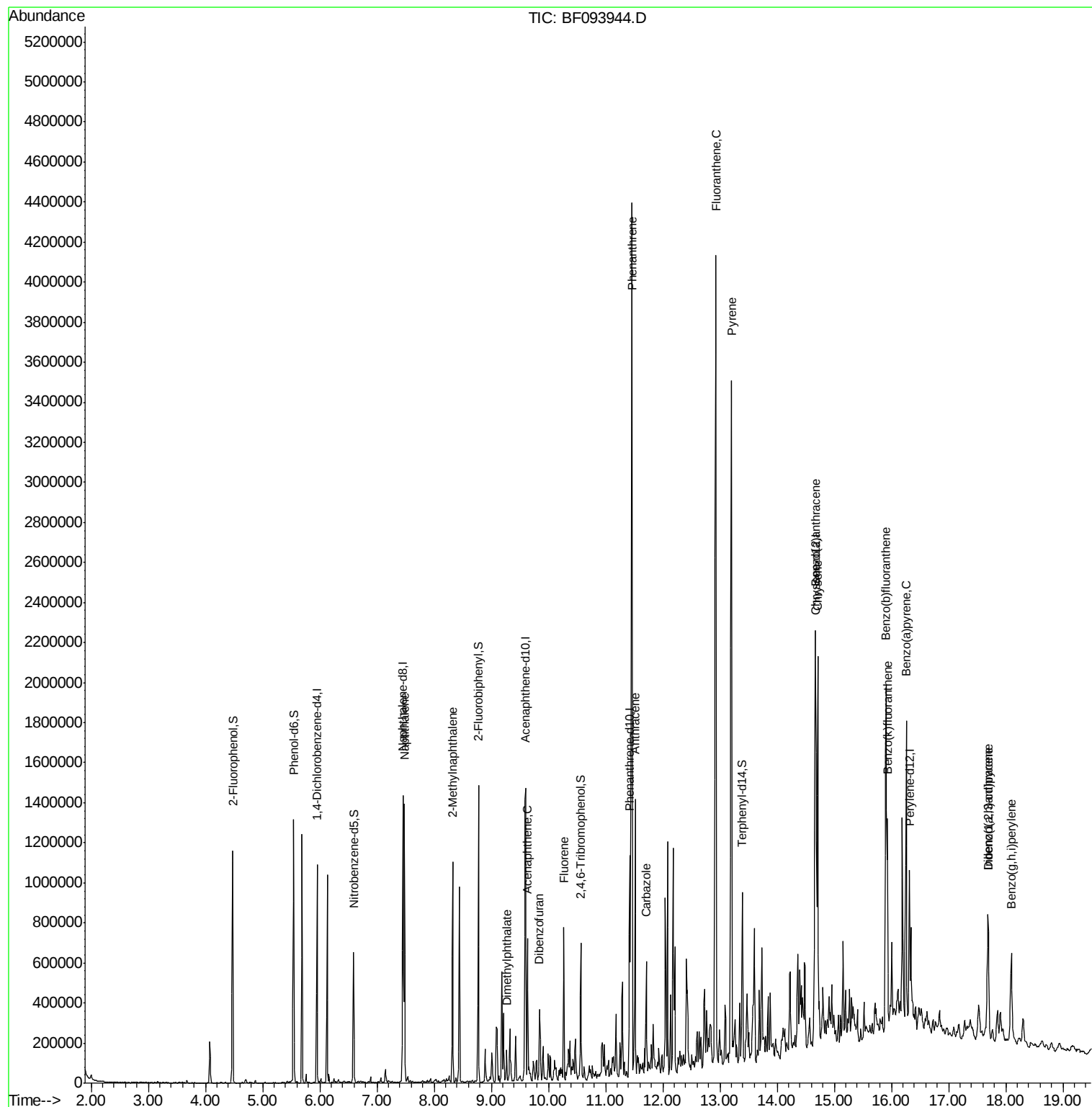
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032717\  
Data File : BF093944.D  
Acq On : 27 Mar 2017 15:11  
Operator : SJ/MA  
Sample : I2367-05DL 4X  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

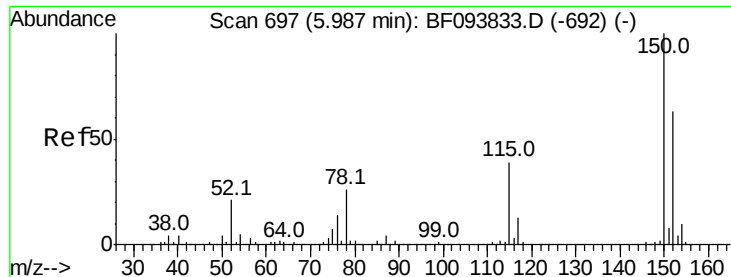
Instrument :  
BNA\_F  
ClientSampleId :  
E2-R15-SSWDL

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Quant Time: Mar 27 16:46:16 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 27 16:10:49 2017  
Response via : Initial Calibration





#1

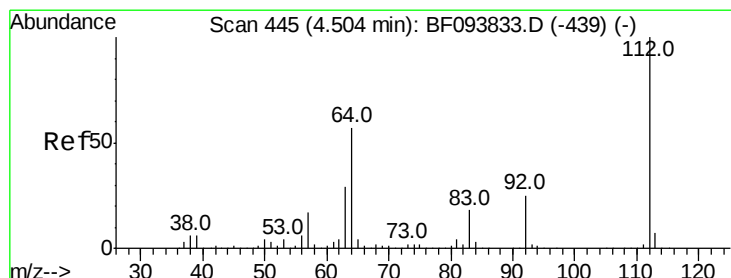
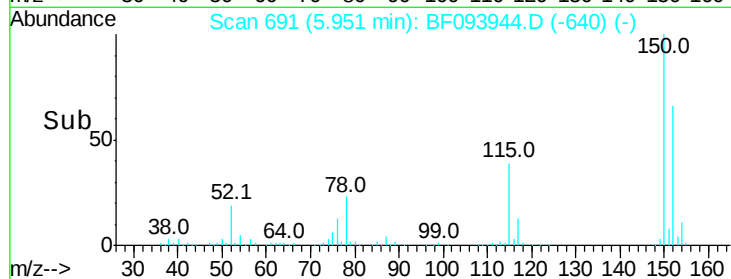
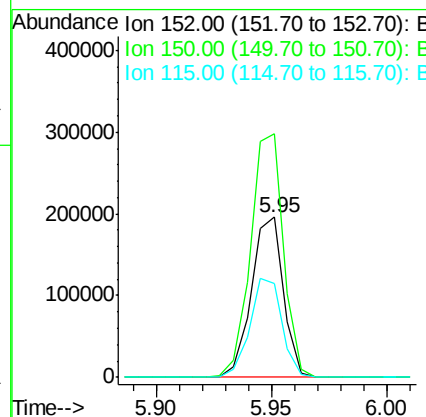
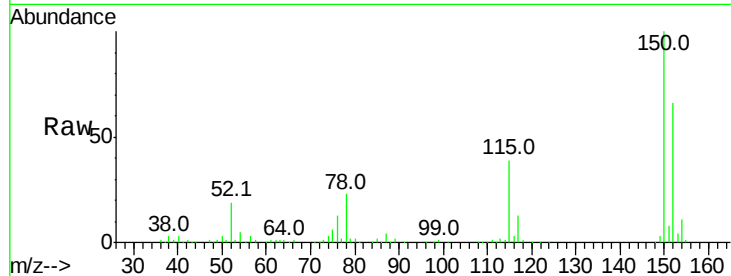
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.95 min Scan# 691  
Delta R.T. -0.00 min  
Lab File: BF093944.D  
Acq: 27 Mar 2017 15:11

Instrument :  
BNA\_F  
ClientSampleId :  
E2-R15-SSWDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.0 | 126.2 | 189.2 |
| 115     | 58.8  | 52.2  | 78.2  |

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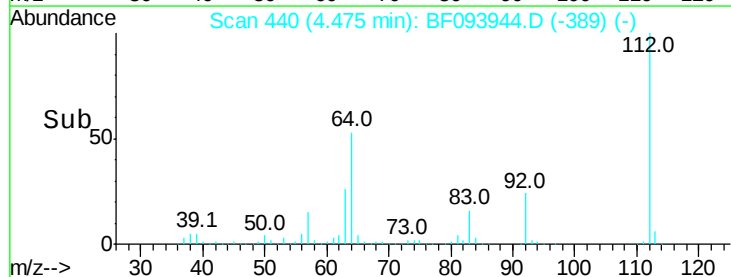
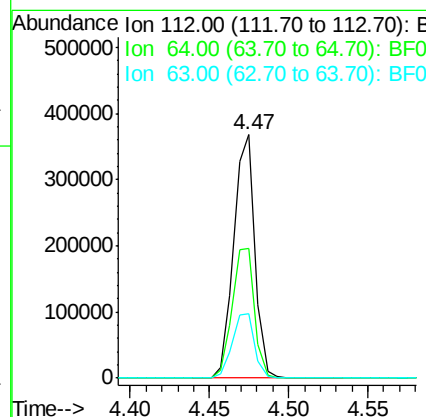
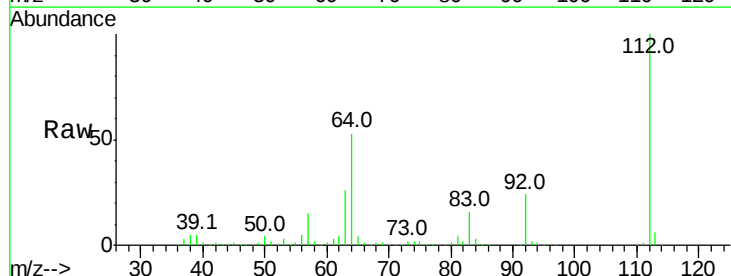
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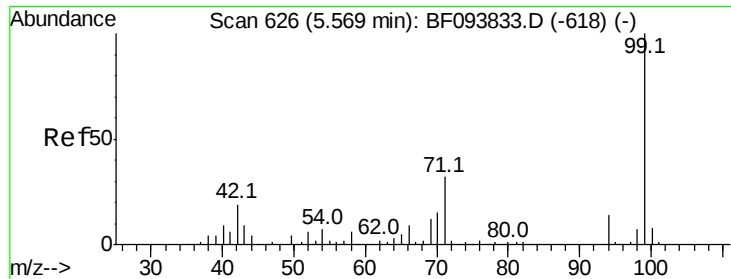


#5

2-Fluorophenol  
Concen: 30.22 ng  
RT: 4.47 min Scan# 440  
Delta R.T. -0.00 min  
Lab File: BF093944.D  
Acq: 27 Mar 2017 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 53.3  | 46.0  | 69.0  |
| 63      | 26.5  | 23.4  | 35.0  |





#7

Phenol-d6

Concen: 30.47 ng

RT: 5.54 min Scan# 621

Delta R.T. -0.01 min

Lab File: BF093944.D

Acq: 27 Mar 2017 15:11

Instrument :

BNA\_F

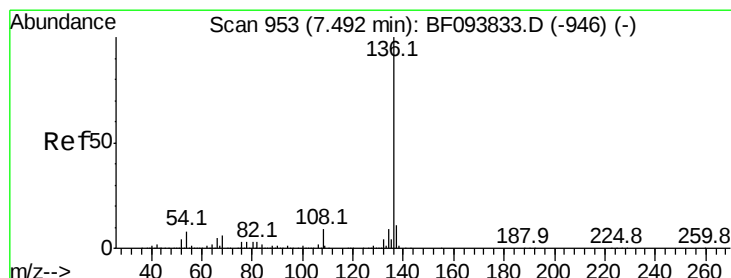
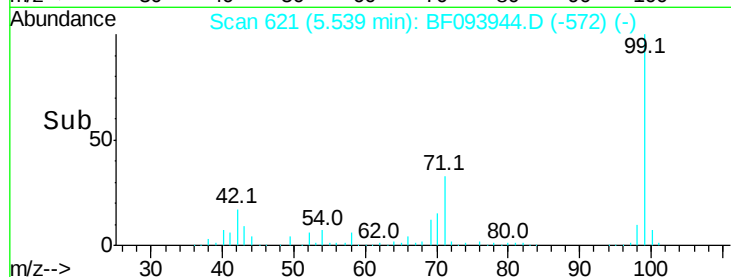
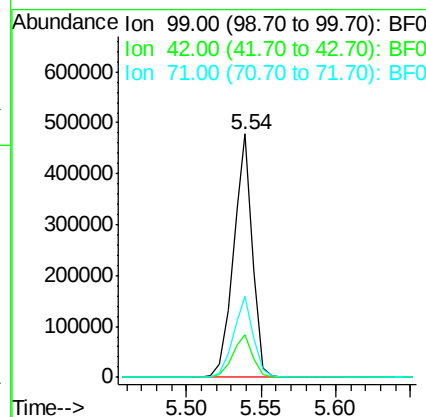
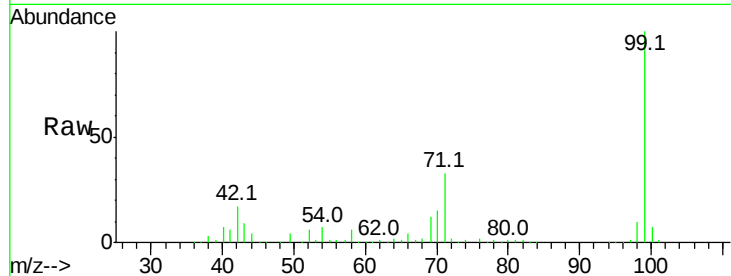
ClientSampleId :

E2-R15-SSWDL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 424080 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 17.4  | 13.5  | 20.3   |
| 71        | 33.2  | 24.5  | 36.7   |

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#21

Naphthalene-d8

Concen: 20.00 ng

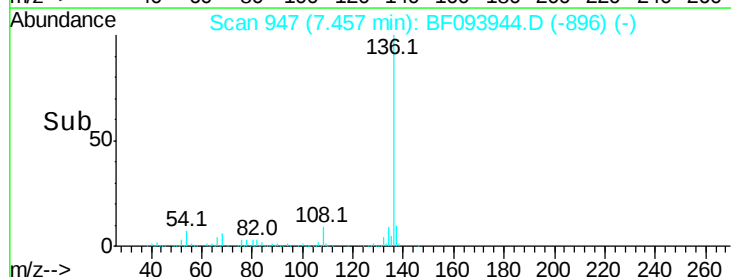
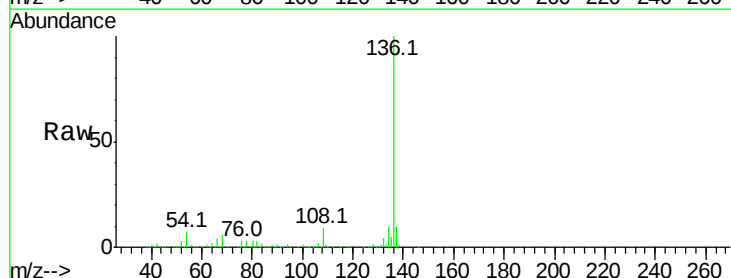
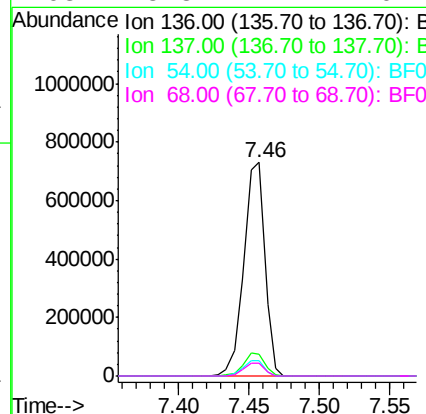
RT: 7.46 min Scan# 947

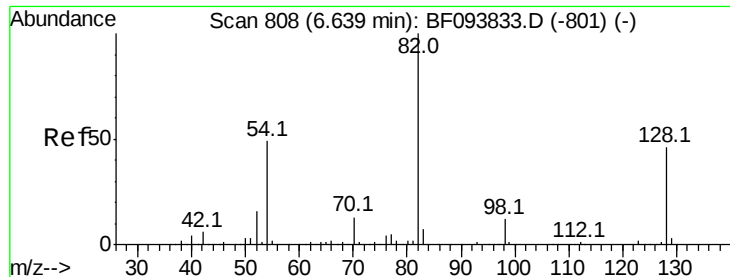
Delta R.T. -0.00 min

Lab File: BF093944.D

Acq: 27 Mar 2017 15:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 760006 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.3  | 8.5   | 12.7   |
| 54        | 7.2   | 4.9   | 7.3    |
| 68        | 5.8   | 4.1   | 6.1    |





#23

Nitrobenzene-d5

Concen: 16.43 ng

RT: 6.59 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF093944.D

Acq: 27 Mar 2017 15:11

Instrument :

BNA\_F

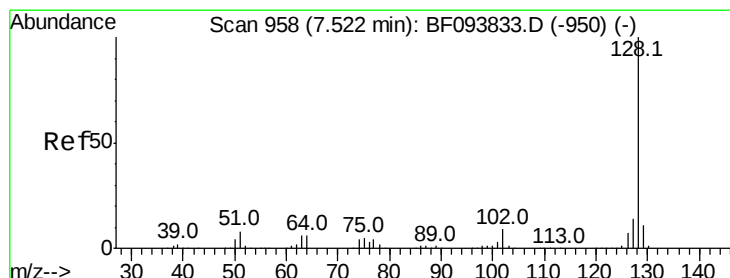
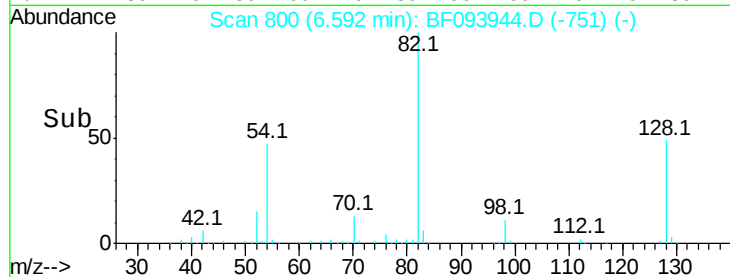
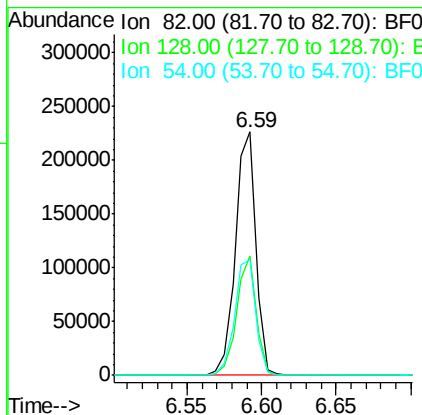
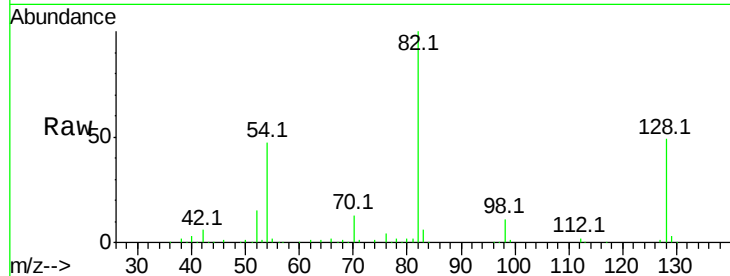
ClientSampleId :

E2-R15-SSWDL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 218758 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 48.8  | 34.0  | 51.0   |
| 54        | 47.4  | 42.2  | 63.2   |

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#31

Naphthalene

Concen: 17.17 ng

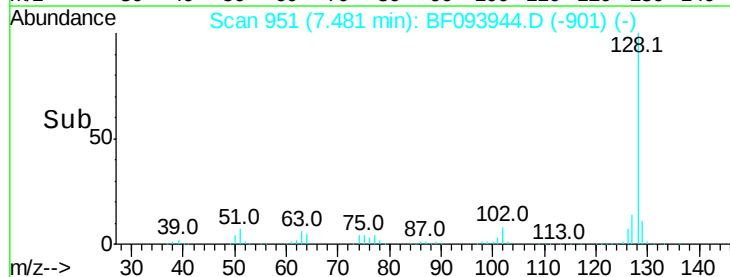
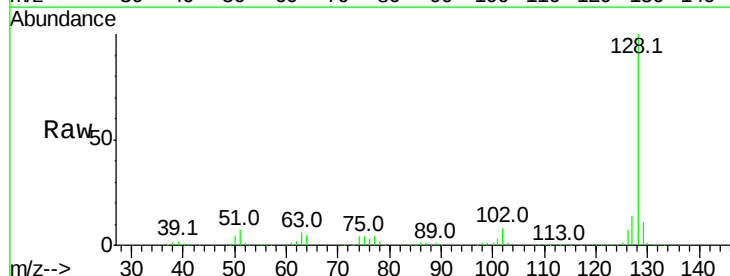
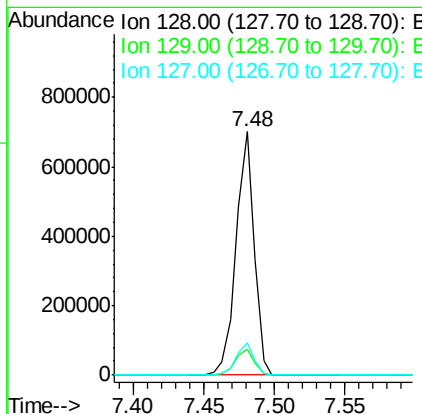
RT: 7.48 min Scan# 951

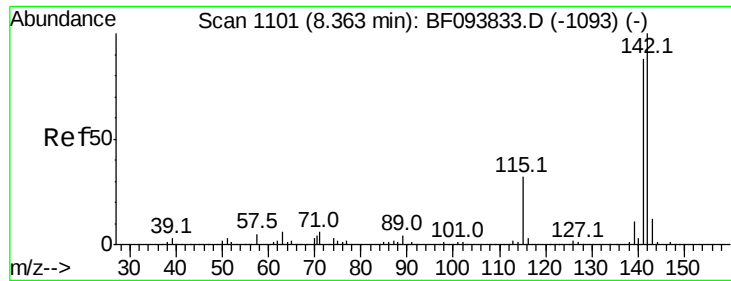
Delta R.T. -0.01 min

Lab File: BF093944.D

Acq: 27 Mar 2017 15:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 627380 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 10.8  | 9.0   | 13.6   |
| 127       | 13.5  | 10.8  | 16.2   |





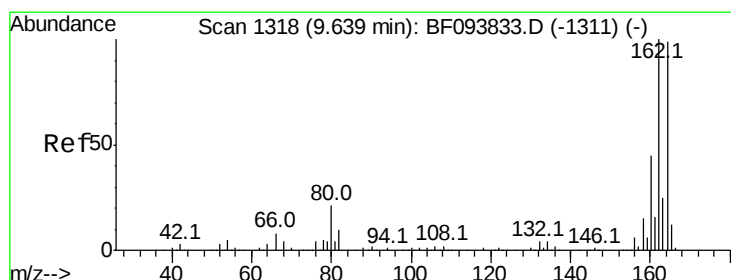
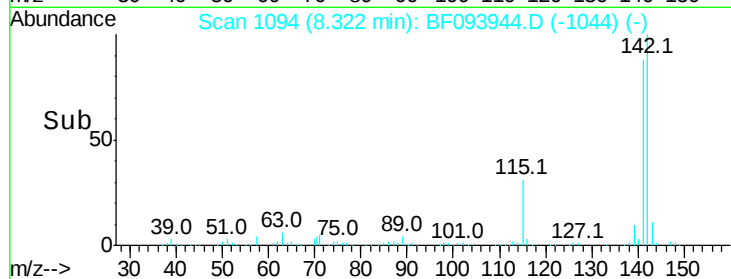
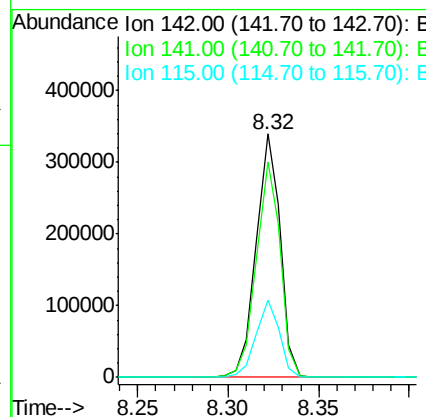
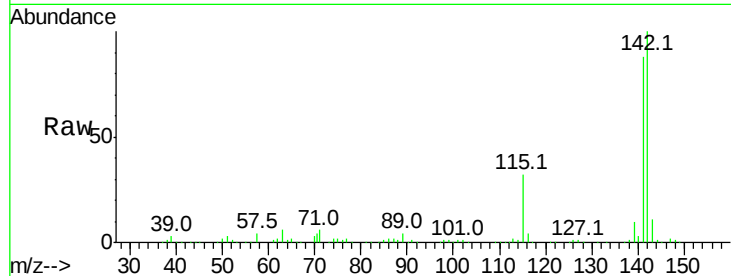
#37  
2-Methylnaphthalene  
Concen: 12.84 ng  
RT: 8.32 min Scan# 1094  
Delta R.T. -0.01 min  
Lab File: BF093944.D  
Acq: 27 Mar 2017 15:11

Instrument :  
BNA\_F  
ClientSampleId :  
E2-R15-SSWDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.2  | 71.3  | 106.9 |
| 115     | 31.5  | 27.1  | 40.7  |

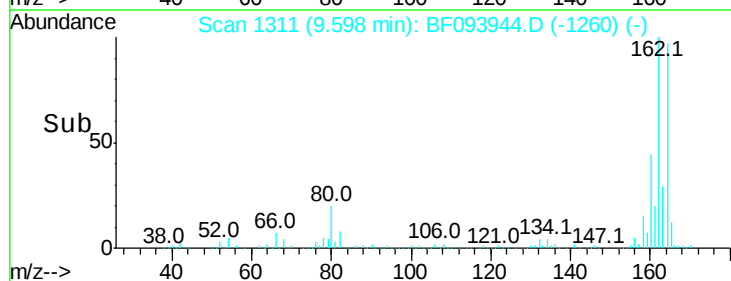
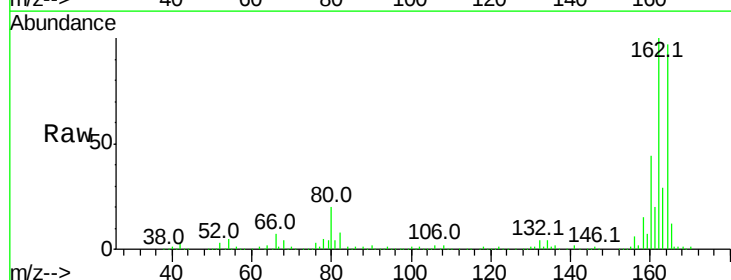
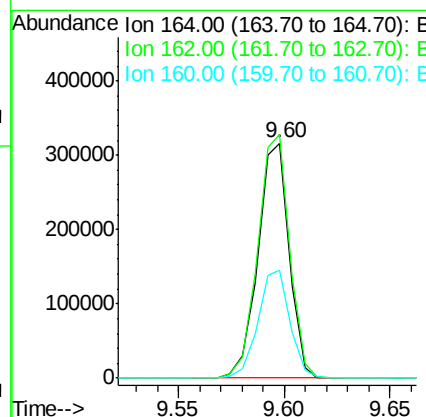
Manual Integrations  
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#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.60 min Scan# 1311  
Delta R.T. -0.00 min  
Lab File: BF093944.D  
Acq: 27 Mar 2017 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.6 | 82.6  | 123.8 |
| 160     | 46.0  | 36.2  | 54.2  |





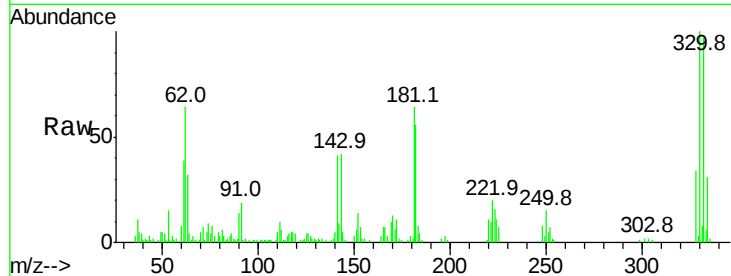
#41  
 2,4,6-Tribromophenol  
 Concen: 21.76 ng  
 RT: 10.56 min Scan# 1475  
 Delta R.T. -0.01 min  
 Lab File: BF093944.D  
 Acq: 27 Mar 2017 15:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-R15-SSWDL

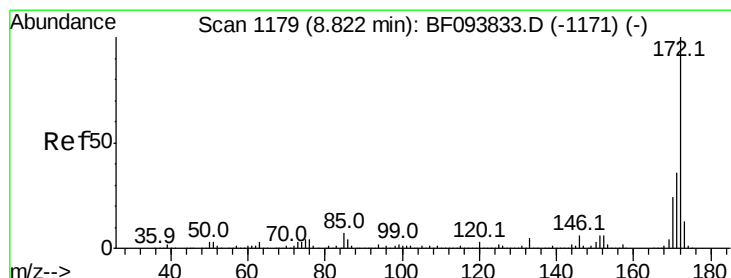
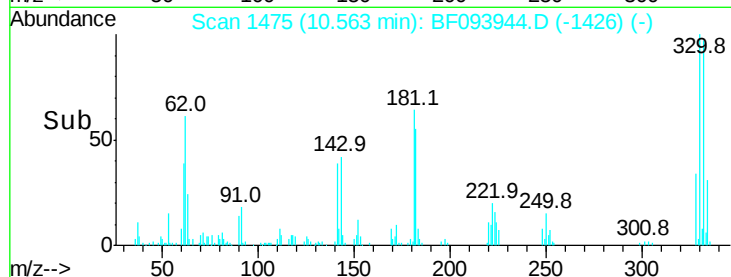
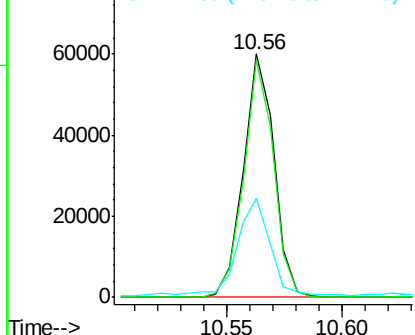
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.9  | 76.6  | 115.0 |
| 141     | 44.5  | 31.4  | 47.2  |

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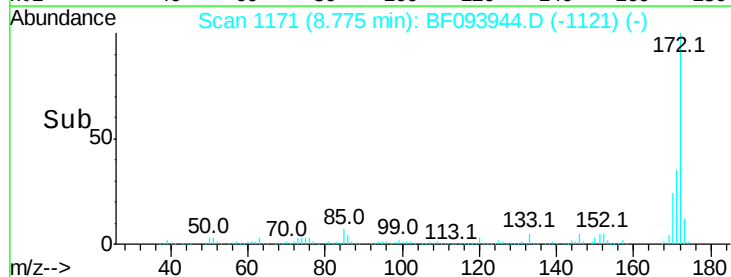
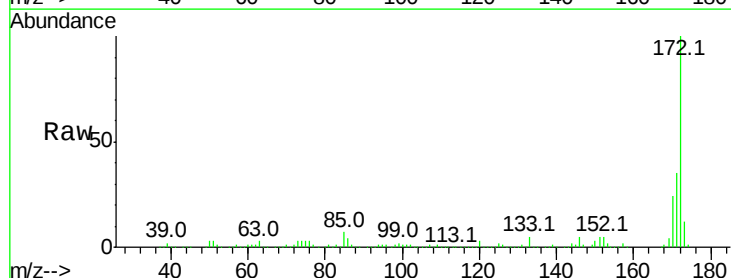
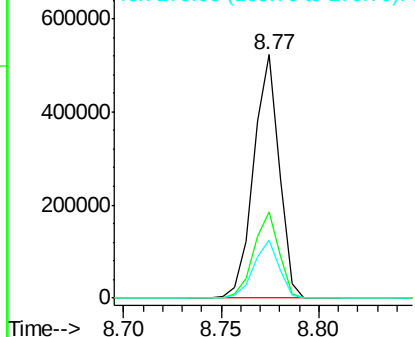
Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 22.23 ng  
 RT: 8.77 min Scan# 1171  
 Delta R.T. -0.01 min  
 Lab File: BF093944.D  
 Acq: 27 Mar 2017 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.3  | 29.6  | 44.4  |
| 170     | 23.8  | 19.8  | 29.8  |

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





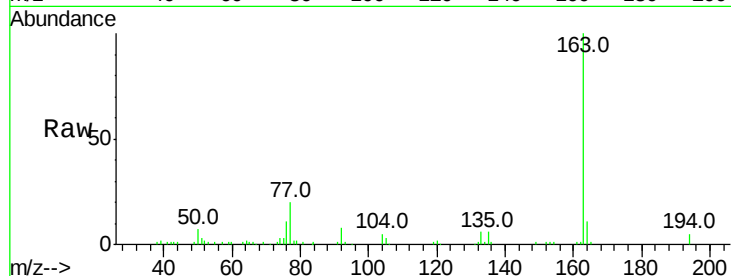
#49  
Dimethylphthalate  
Concen: 2.73 ng  
RT: 9.27 min Scan# 1255  
Delta R.T. -0.02 min  
Lab File: BF093944.D  
Acq: 27 Mar 2017 15:11

Instrument :  
BNA\_F  
ClientSampleId :  
E2-R15-SSWDL

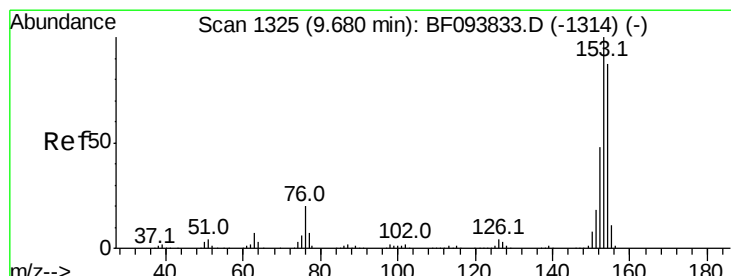
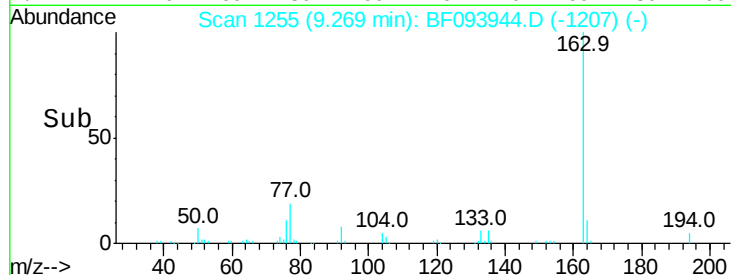
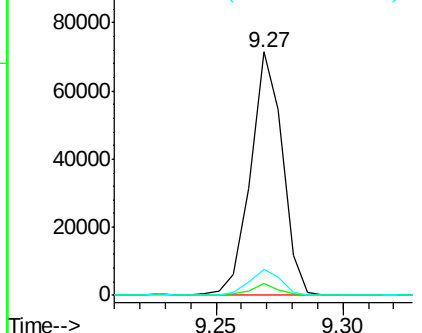
| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 163     | 100   | 62893 |       |       |
| 194     | 4.7   |       | 2.6   | 4.0#  |
| 164     | 10.7  |       | 8.4   | 12.6  |

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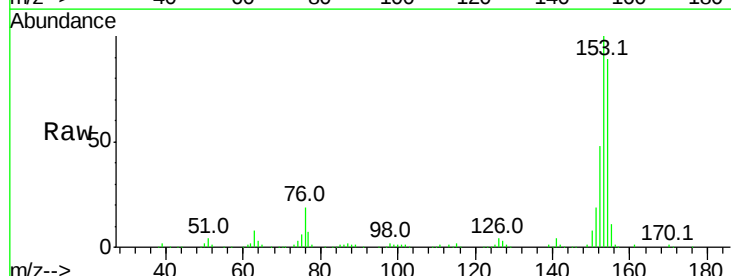


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

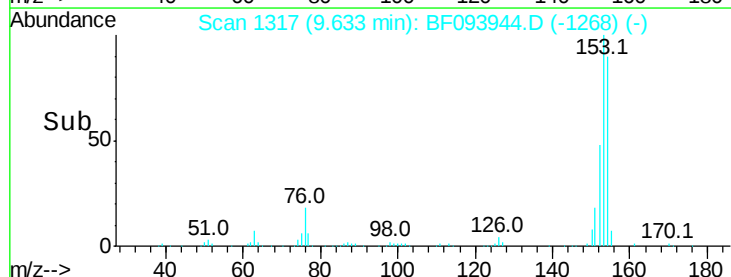
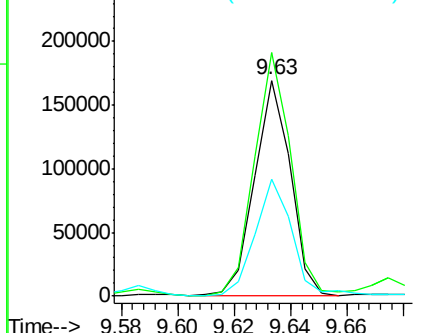


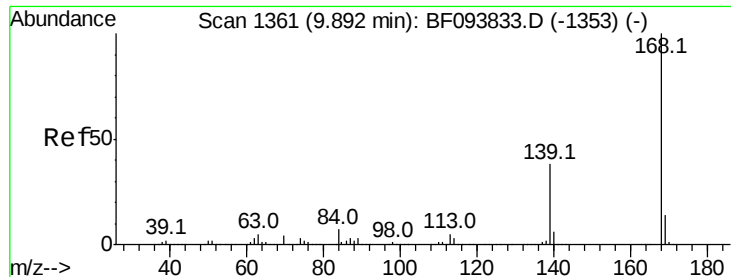
#51  
Acenaphthene  
Concen: 7.42 ng  
RT: 9.63 min Scan# 1317  
Delta R.T. -0.01 min  
Lab File: BF093944.D  
Acq: 27 Mar 2017 15:11

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 147401 |       |       |
| 153     | 113.0 |        | 90.5  | 135.7 |
| 152     | 54.5  |        | 43.6  | 65.4  |



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 4.27 ng

RT: 9.85 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF093944.D

Acq: 27 Mar 2017 15:11

Instrument :

BNA\_F

ClientSampleId :

E2-R15-SSWDL

Tot Ion:168 Resp: 115508

Ion Ratio Lower Upper

168 100

139 38.5 30.6 45.8

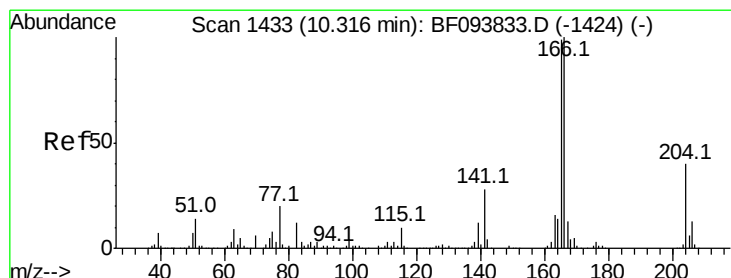
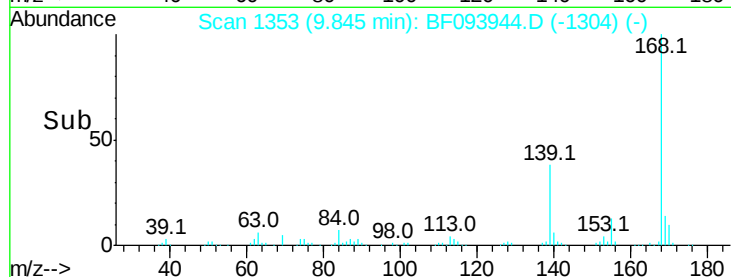
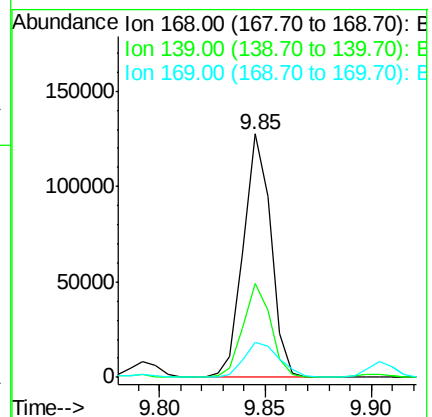
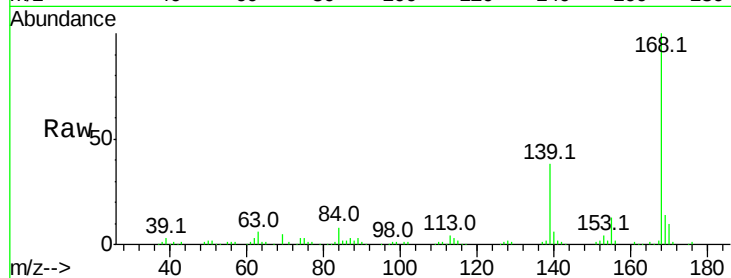
169 14.2 10.8 16.2

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#57

Fluorene

Concen: 8.91 ng

RT: 10.27 min Scan# 1425

Delta R.T. -0.01 min

Lab File: BF093944.D

Acq: 27 Mar 2017 15:11

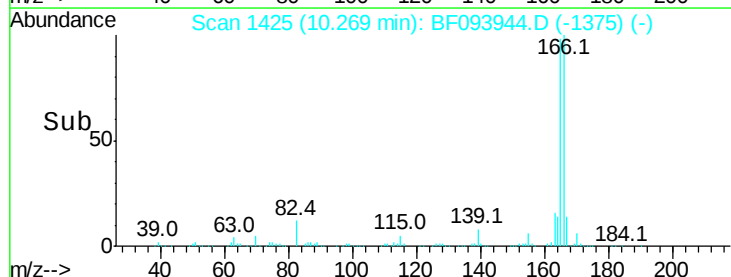
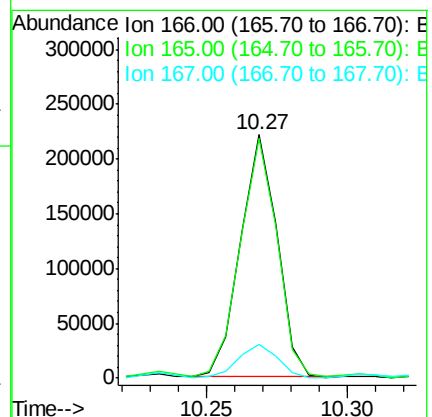
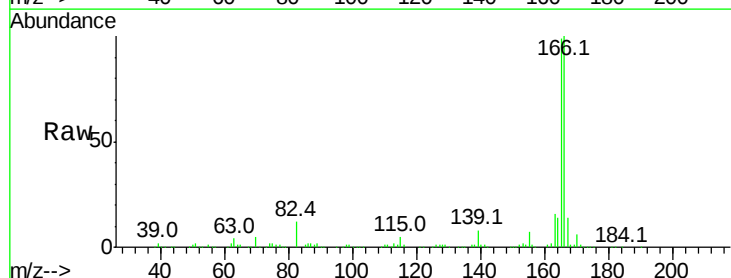
Tgt Ion:166 Resp: 199910

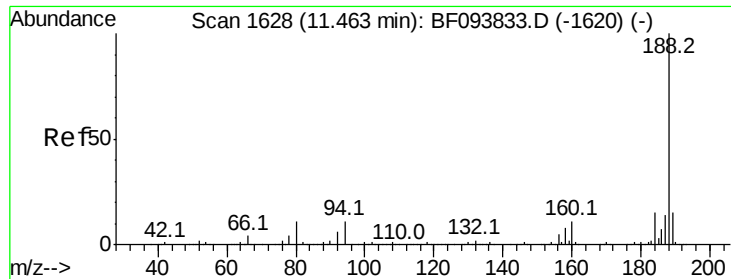
Ion Ratio Lower Upper

166 100

165 98.5 78.8 118.2

167 14.0 10.6 16.0





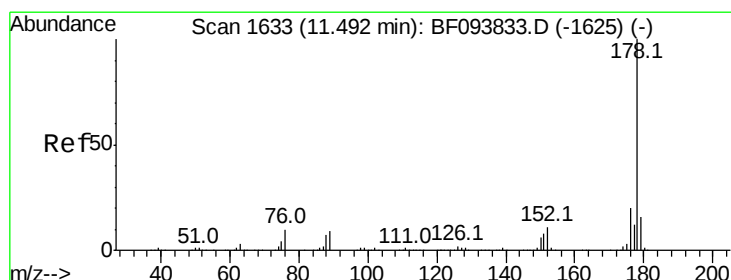
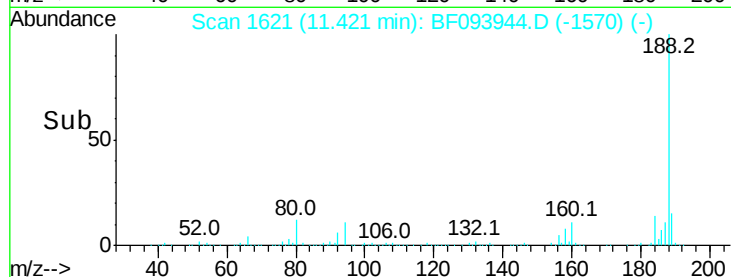
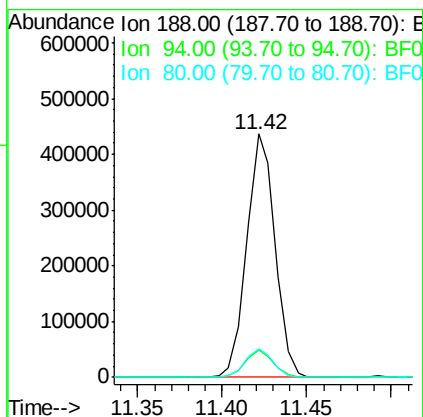
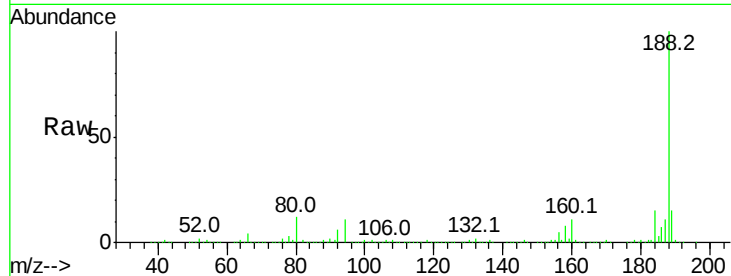
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.42 min Scan# 1621  
Delta R.T. -0.00 min  
Lab File: BF093944.D  
Acq: 27 Mar 2017 15:11

Instrument :  
BNA\_F  
ClientSampleId :  
E2-R15-SSWDL

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 509114 |       |       |
| 94      | 11.4  |        | 9.4   | 14.2  |
| 80      | 12.0  |        | 10.2  | 15.2  |

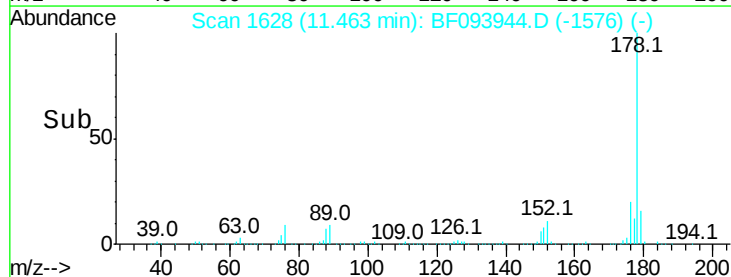
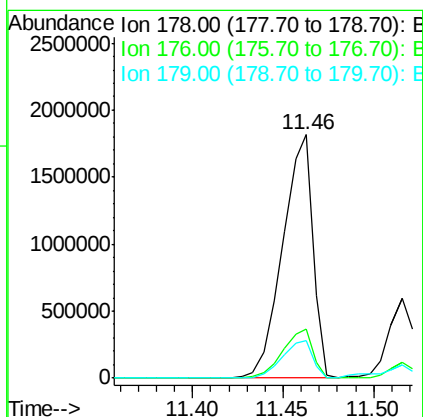
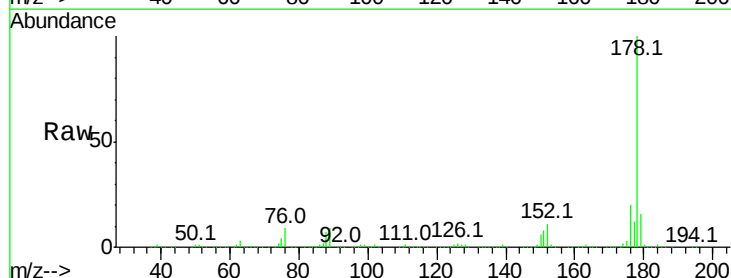
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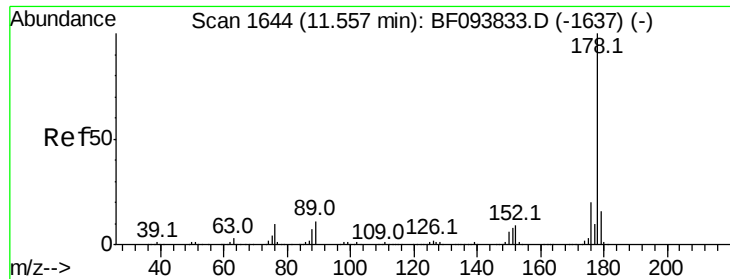
mohammad  
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#70  
Phenanthrene  
Concen: 74.98 ng  
RT: 11.46 min Scan# 1628  
Delta R.T. 0.01 min  
Lab File: BF093944.D  
Acq: 27 Mar 2017 15:11

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 2123425 |       |       |
| 176     | 20.1  |         | 16.2  | 24.4  |
| 179     | 15.6  |         | 12.6  | 19.0  |





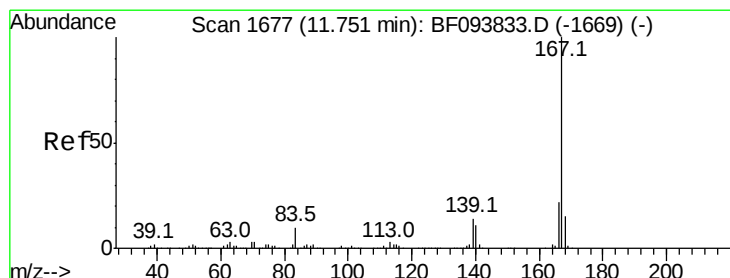
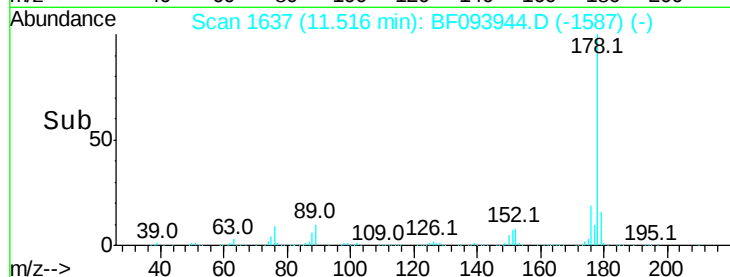
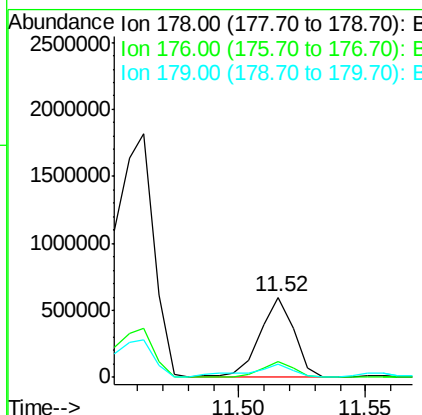
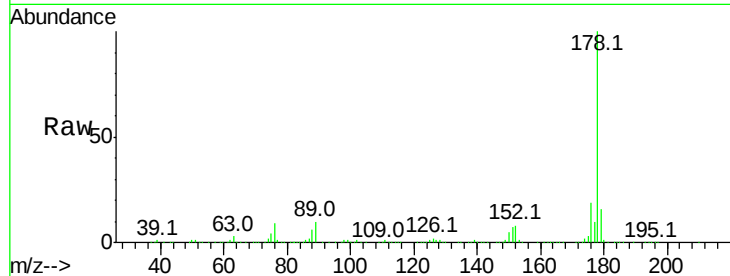
#71  
 Anthracene  
 Concen: 19.38 ng  
 RT: 11.52 min Scan# 1637  
 Delta R.T. -0.01 min  
 Lab File: BF093944.D  
 Acq: 27 Mar 2017 15:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-R15-SSWDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.0  | 15.8  | 23.8  |
| 179     | 15.7  | 12.7  | 19.1  |

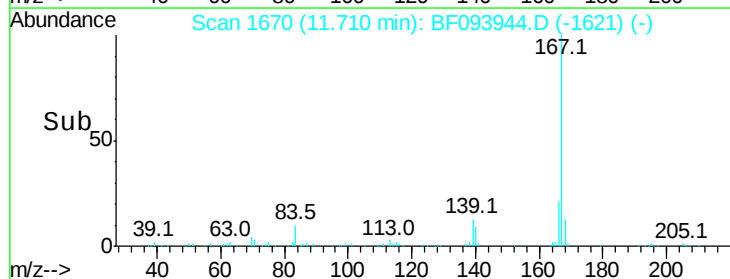
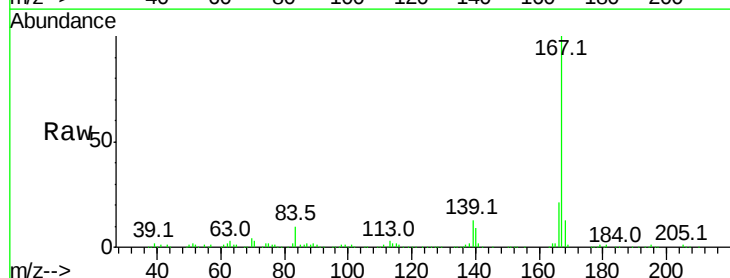
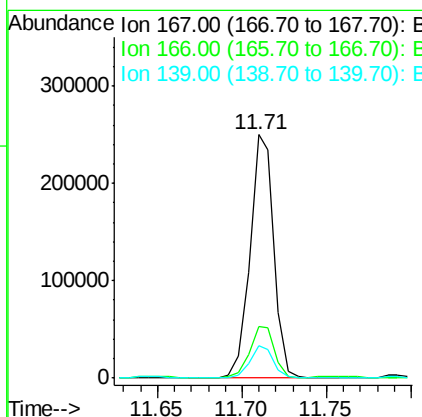
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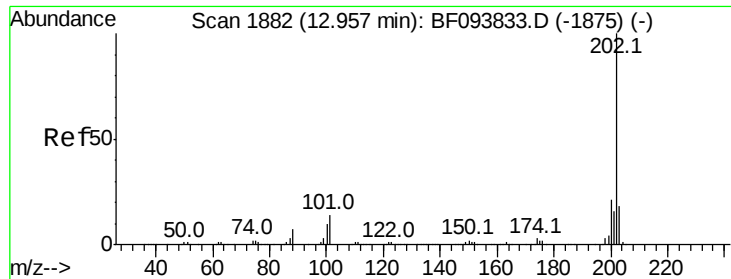
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#72  
 Carbazole  
 Concen: 8.24 ng  
 RT: 11.71 min Scan# 1670  
 Delta R.T. -0.01 min  
 Lab File: BF093944.D  
 Acq: 27 Mar 2017 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.4  | 18.1  | 27.1  |
| 139     | 13.1  | 11.7  | 17.5  |





#74

Fluoranthene

Concen: 72.51 ng

RT: 12.93 min Scan# 1877

Delta R.T. 0.01 min

Lab File: BF093944.D

Acq: 27 Mar 2017 15:11

Instrument :

BNA\_F

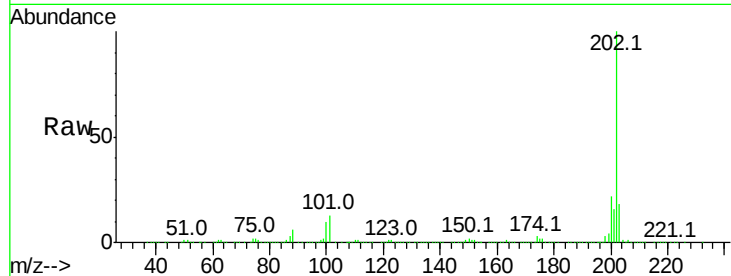
ClientSampleId :

E2-R15-SSWDL

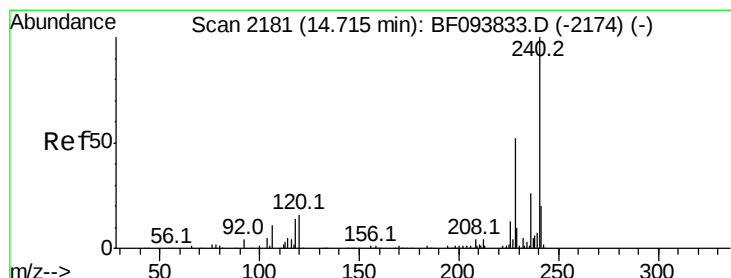
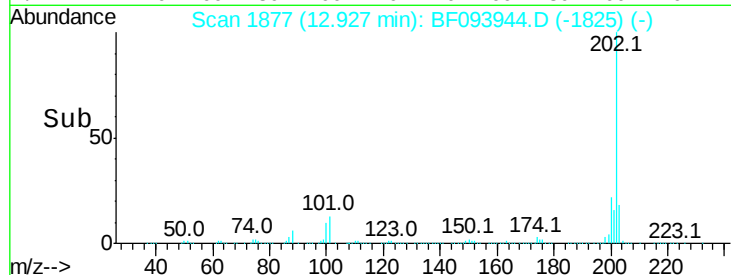
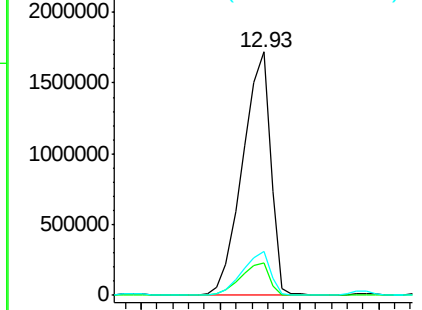
|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 202   | Resp: | 2102782 |
| Ion      | Ratio | Lower | Upper   |
| 202      | 100   |       |         |
| 101      | 13.4  | 0.0   | 33.2    |
| 203      | 17.8  | 0.0   | 38.1    |

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Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

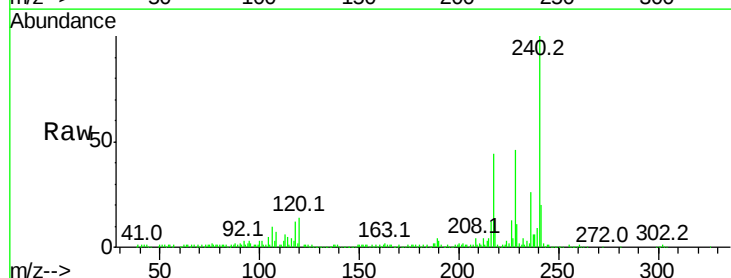
RT: 14.68 min Scan# 2175

Delta R.T. -0.00 min

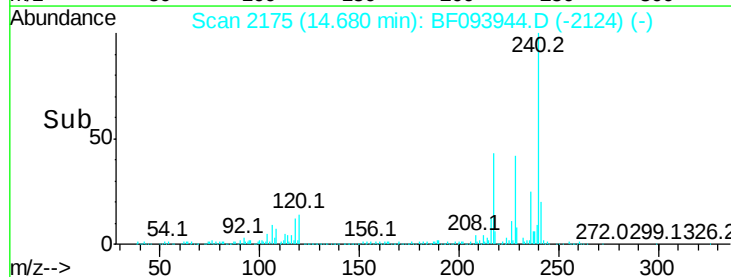
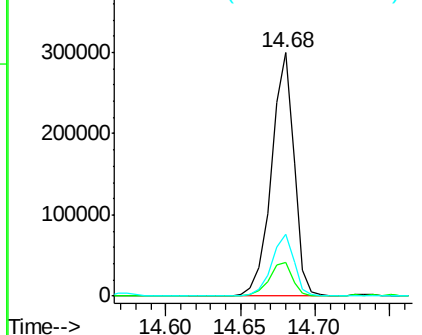
Lab File: BF093944.D

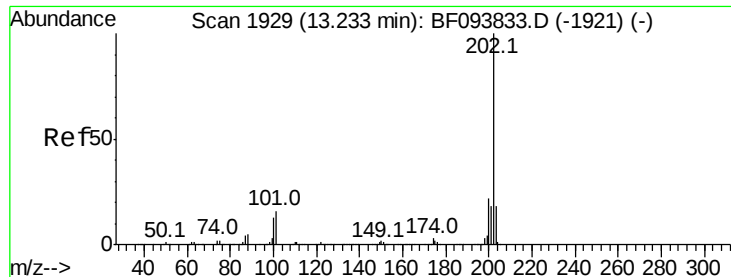
Acq: 27 Mar 2017 15:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 313908 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 14.1  | 5.8   | 8.8#   |
| 236      | 25.5  | 20.5  | 30.7   |



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





#77

Pvrene

Concen: 81.46 ng

RT: 13.20 min Scan# 1924

Delta R.T. 0.01 min

Lab File: BF093944.D

Acq: 27 Mar 2017 15:11

Instrument :

BNA\_F

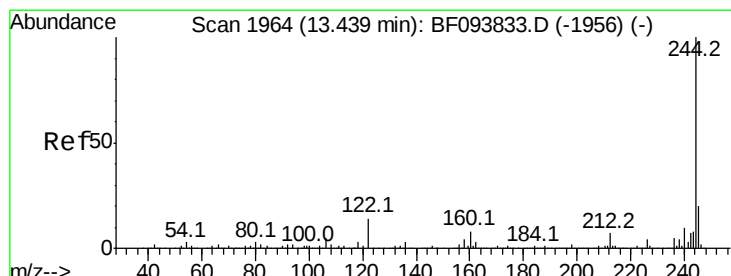
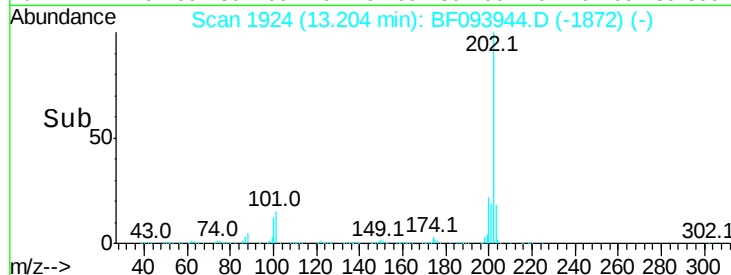
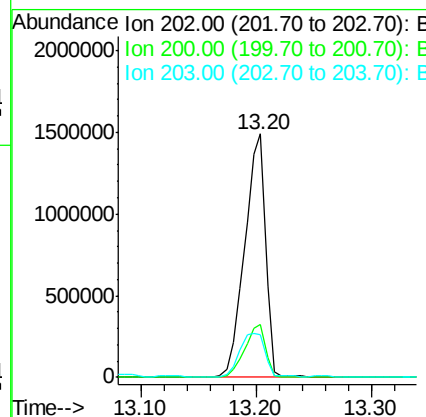
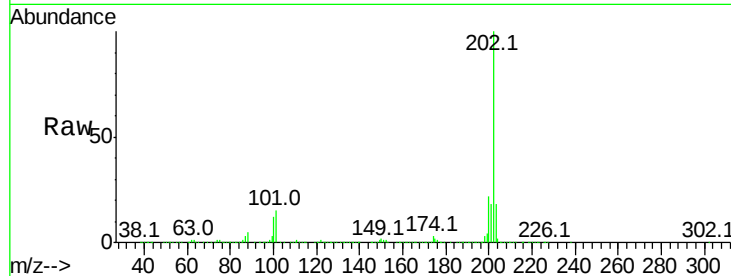
ClientSampleId :

E2-R15-SSWDL

|             |               |
|-------------|---------------|
| Tot Ion:202 | Resp: 1855821 |
| Ion Ratio   | Lower Upper   |
| 202 100     |               |
| 200 21.9    | 17.6 26.4     |
| 203 17.7    | 14.4 21.6     |

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#78

Terphenyl-d14

Concen: 18.99 ng

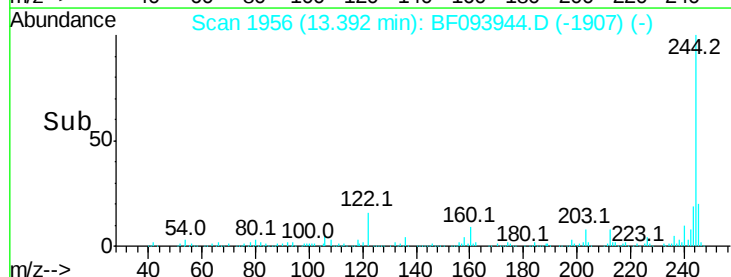
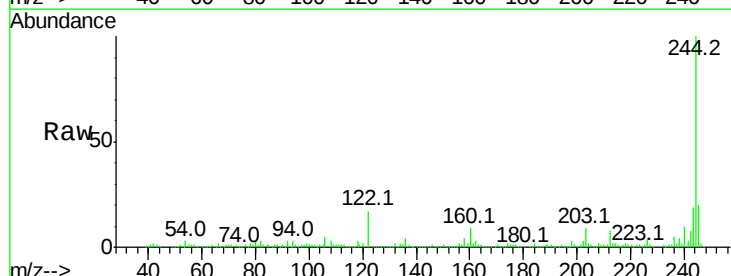
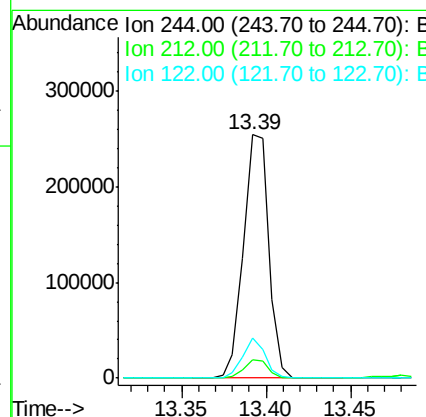
RT: 13.39 min Scan# 1956

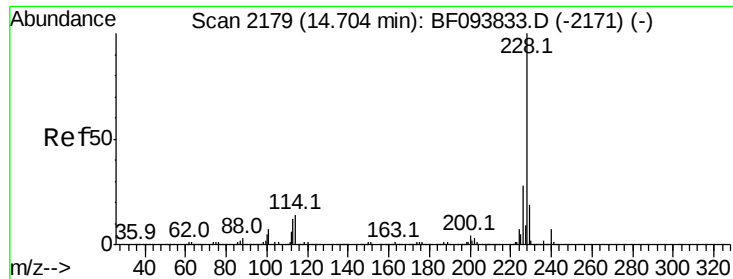
Delta R.T. -0.01 min

Lab File: BF093944.D

Acq: 27 Mar 2017 15:11

|             |              |
|-------------|--------------|
| Tgt Ion:244 | Resp: 265967 |
| Ion Ratio   | Lower Upper  |
| 244 100     |              |
| 212 7.5     | 6.0 9.0      |
| 122 16.5    | 10.3 15.5#   |





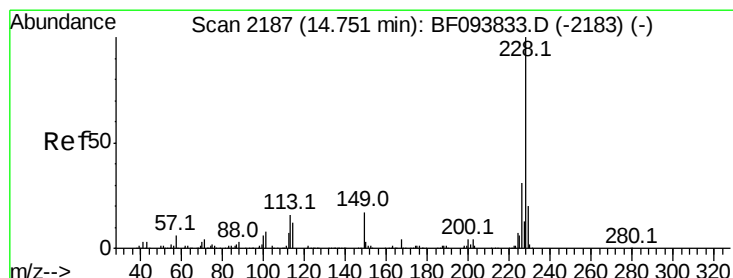
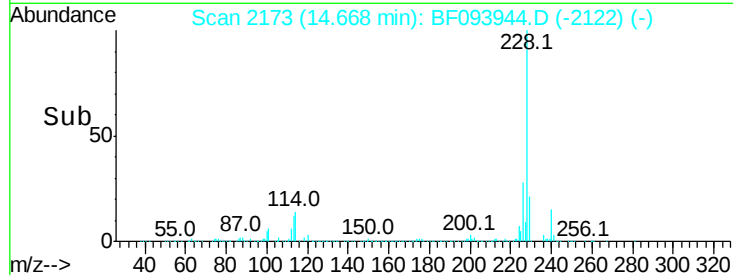
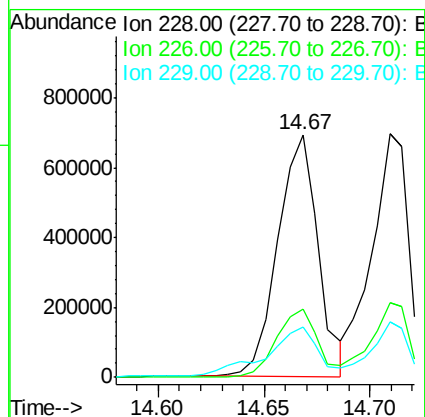
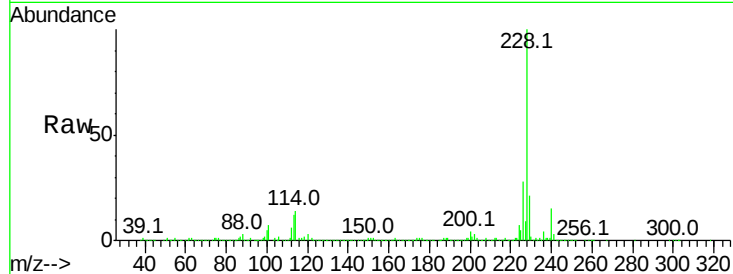
#80  
Benzo(a)anthracene  
Concen: 50.21 ng  
RT: 14.67 min Scan# 2173  
Delta R.T. -0.00 min  
Lab File: BF093944.D  
Acq: 27 Mar 2017 15:11

Instrument :  
BNA\_F  
ClientSampleId :  
E2-R15-SSWDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.1  | 22.6  | 33.8  |
| 229     | 21.0  | 16.3  | 24.5  |

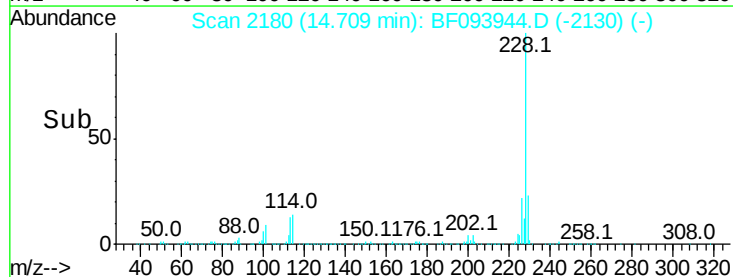
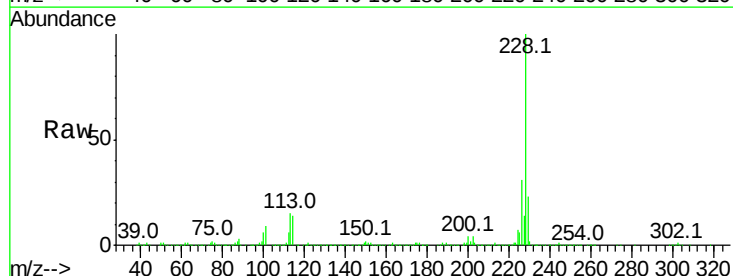
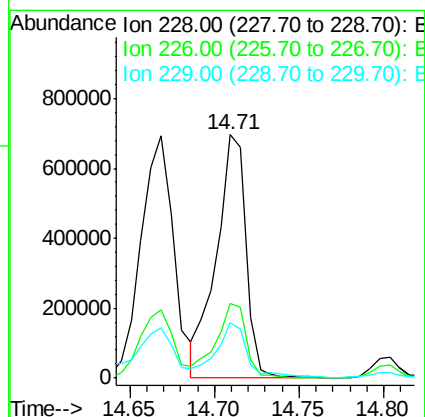
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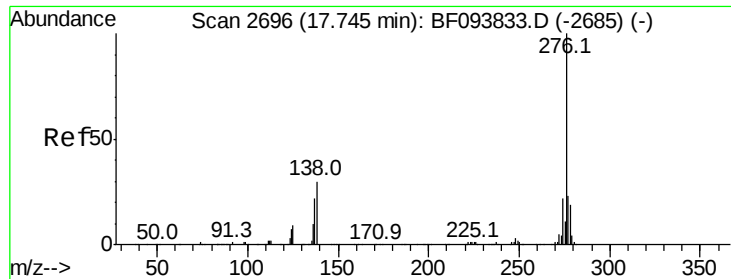
mohammad  
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#82  
Chrysene  
Concen: 49.98 ng  
RT: 14.71 min Scan# 2180  
Delta R.T. -0.01 min  
Lab File: BF093944.D  
Acq: 27 Mar 2017 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.7  | 24.9  | 37.3  |
| 229     | 22.9  | 15.8  | 23.6  |





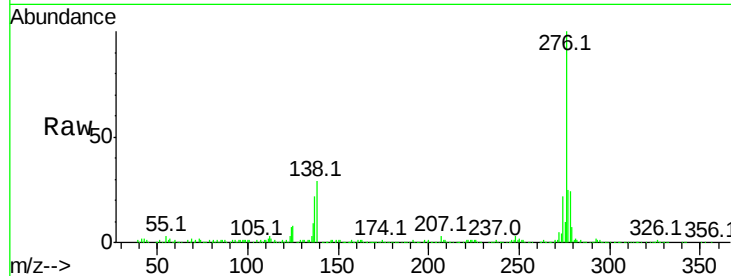
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 26.13 ng  
 RT: 17.69 min Scan# 2687  
 Delta R.T. 0.01 min  
 Lab File: BF093944.D  
 Acq: 27 Mar 2017 15:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-R15-SSWDL

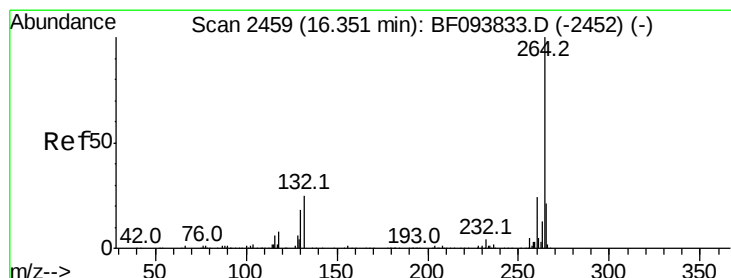
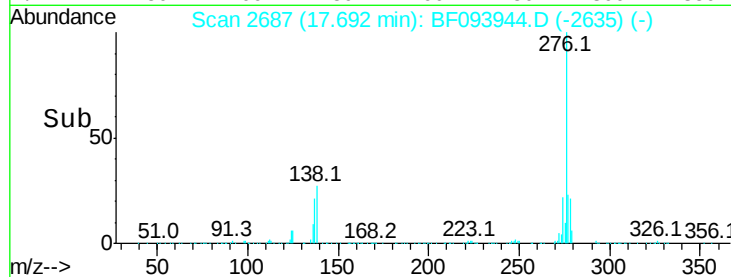
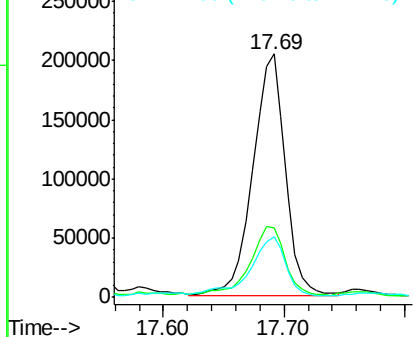
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 31.2  | 27.8  | 41.6  |
| 277     | 27.0  | 20.2  | 30.4  |

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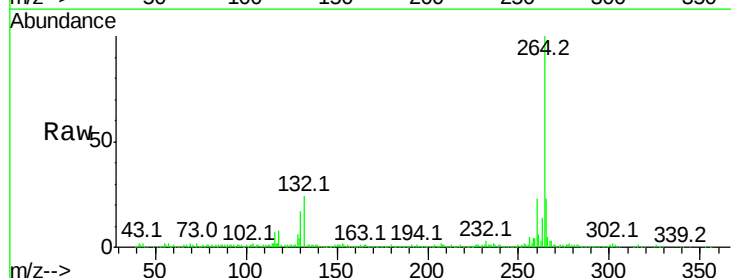


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

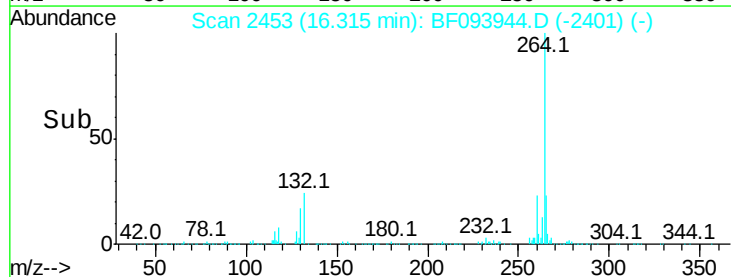
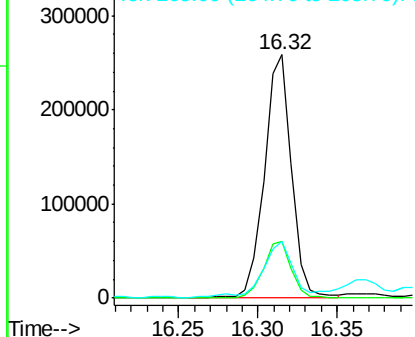


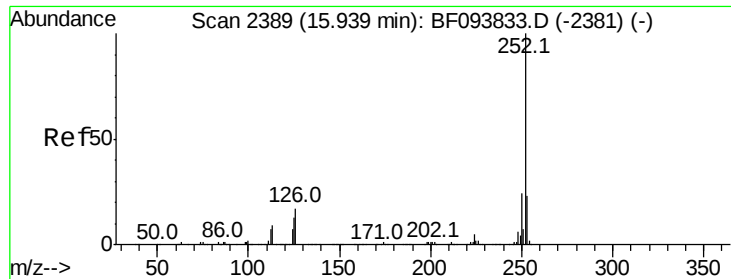
#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 16.32 min Scan# 2453  
 Delta R.T. 0.01 min  
 Lab File: BF093944.D  
 Acq: 27 Mar 2017 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.1  | 19.5  | 29.3  |
| 265     | 23.4  | 17.2  | 25.8  |



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





#87

Benzo(b)fluoranthene

Concen: 54.13 ng m

RT: 15.90 min Scan# 2383

Delta R.T. 0.01 min

Lab File: BF093944.D

Acq: 27 Mar 2017 15:11

Instrument :

BNA\_F

ClientSampleId :

E2-R15-SSWDL

Tot Ion:252 Resp: 1020465

Ion Ratio Lower Upper

252 100

253 23.1 18.1 27.1

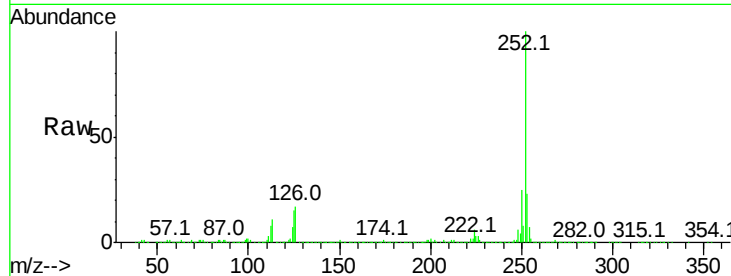
125 14.5 9.8 14.8

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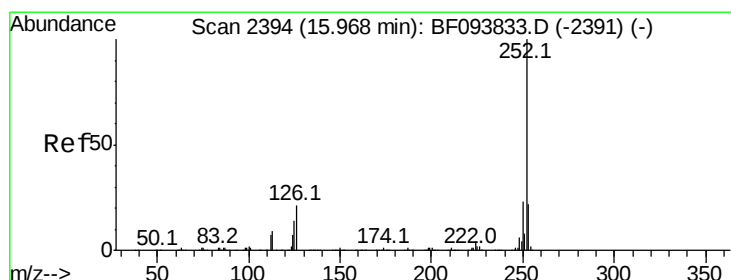
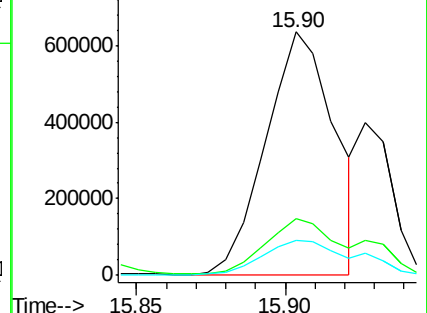
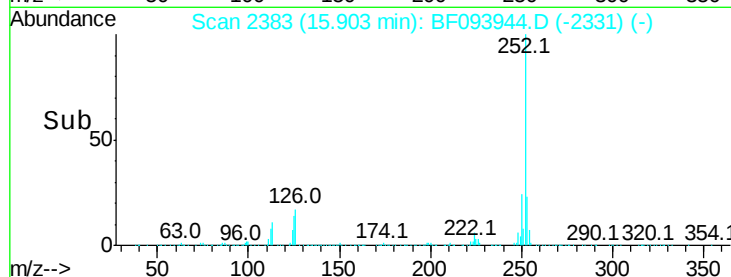
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 17.40 ng m

RT: 15.93 min Scan# 2387

Delta R.T. -0.01 min

Lab File: BF093944.D

Acq: 27 Mar 2017 15:11

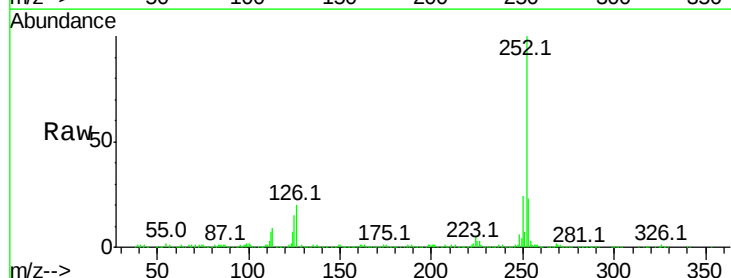
Tgt Ion:252 Resp: 320937

Ion Ratio Lower Upper

252 100

253 23.3 18.4 27.6

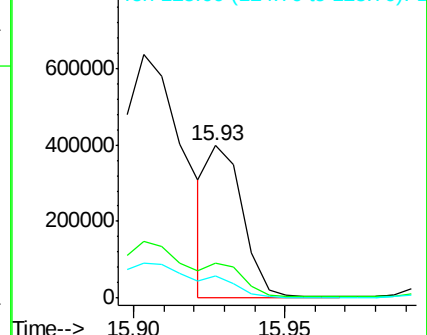
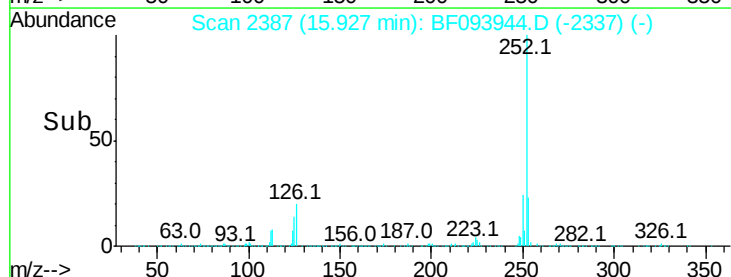
125 14.5 13.1 19.7

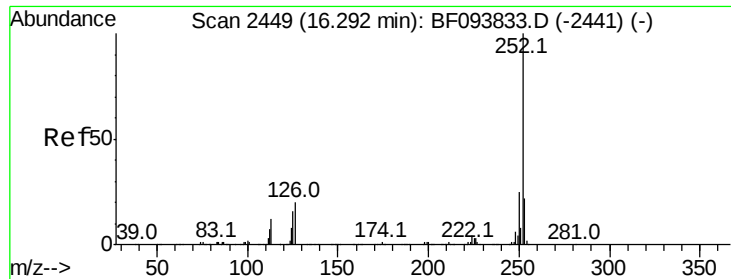


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 40.08 ng

RT: 16.26 min Scan# 2443

Delta R.T. 0.01 min

Lab File: BF093944.D

Acq: 27 Mar 2017 15:11

Instrument :

BNA\_F

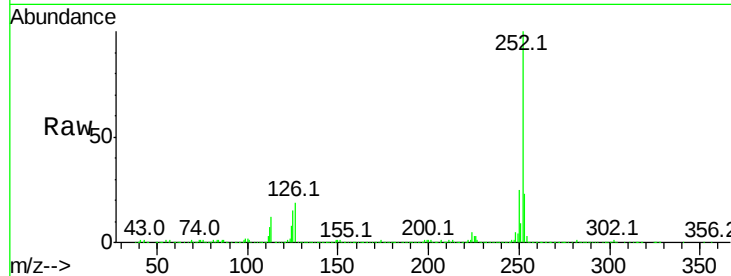
ClientSampleId :

E2-R15-SSWDL

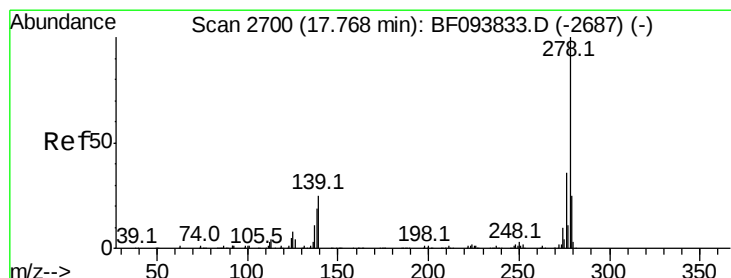
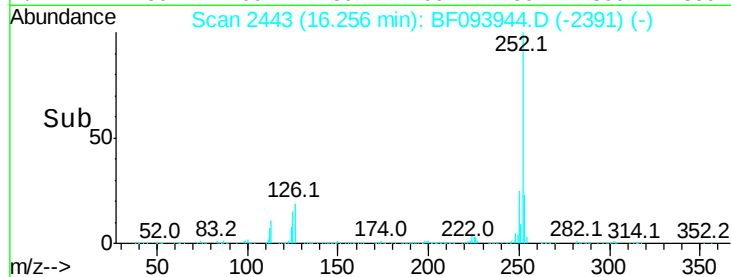
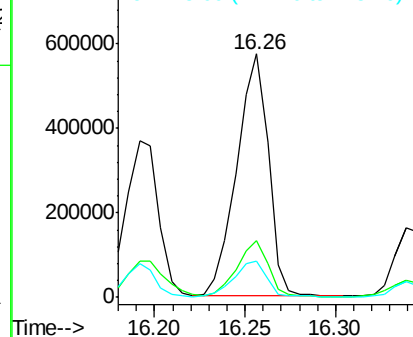
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 695813 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.1  | 17.5  | 26.3   |
| 125       | 14.9  | 11.0  | 16.4   |

Manual Integrations  
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Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 7.04 ng m

RT: 17.70 min Scan# 2688

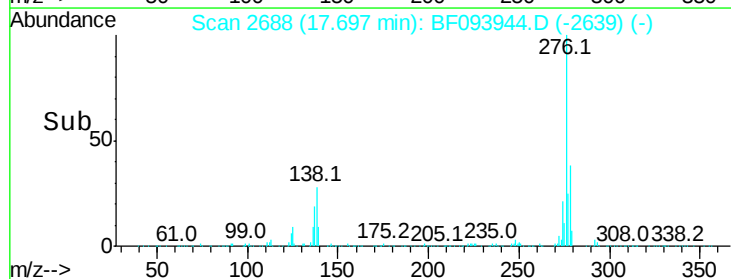
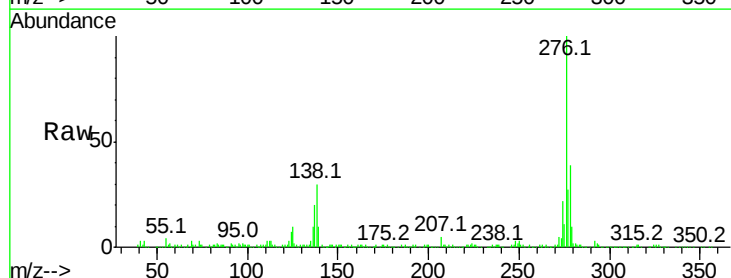
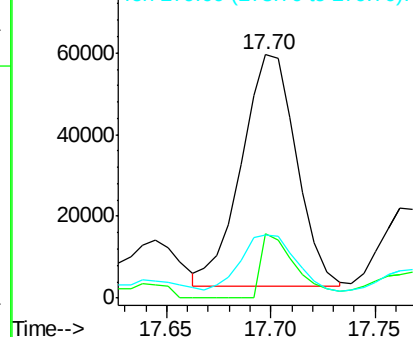
Delta R.T. -0.01 min

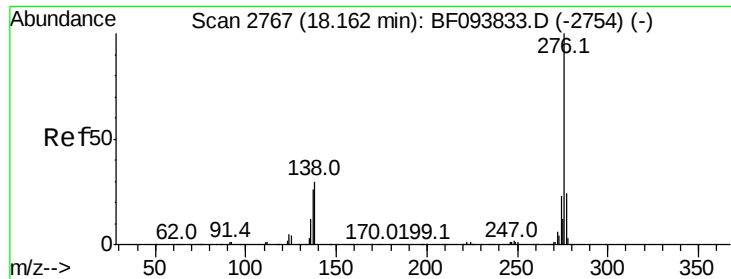
Lab File: BF093944.D

Acq: 27 Mar 2017 15:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 278   | Resp: | 103560 |
| Ion Ratio | Lower | Upper |        |
| 278       | 100   |       |        |
| 139       | 26.3  | 16.6  | 24.8#  |
| 279       | 26.1  | 19.3  | 28.9   |

Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E





#91  
 Benzo(a,h,i)perylene  
 Concen: 22.43 ng  
 RT: 18.10 min Scan# 2756  
 Delta R.T. -0.00 min  
 Lab File: BF093944.D  
 Acq: 27 Mar 2017 15:11

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-R15-SSWDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.8  | 18.6  | 28.0  |
| 138     | 30.7  | 25.4  | 38.0  |

Manual Integrations  
 APPROVED

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