

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF031716\  
 Data File : BF085516.D  
 Acq On : 18 Mar 2016 2:57  
 Operator : UM/SJ  
 Sample : H1774-14  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-13-COMP

Manual Integrations  
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 3/18/2016 3:43:44 PM

Quant Time: Mar 18 15:10:45 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 15 18:57:05 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.87  | 152  | 136492   | 20.00  | ng    | -0.05    |
| 21) Naphthalene-d8             | 8.16  | 136  | 566802   | 20.00  | ng    | -0.05    |
| 38) Acenaphthene-d10           | 9.91  | 164  | 228240   | 20.00  | ng    | -0.05    |
| 63) Phenanthrene-d10           | 11.40 | 188  | 392143   | 20.00  | ng    | -0.05    |
| 75) Chrysene-d12               | 14.04 | 240  | 267120   | 20.00  | ng    | -0.05    |
| 86) Perylene-d12               | 15.48 | 264  | 252444   | 20.00  | ng    | -0.06    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.49  | 112  | 1302020  | 163.97 | ng    | -0.02    |
| 7) Phenol-d6                   | 6.52  | 99   | 1583601  | 153.75 | ng    | -0.03    |
| 23) Nitrobenzene-d5            | 7.44  | 82   | 911377   | 95.07  | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol       | 10.71 | 330  | 370478   | 176.23 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl           | 9.24  | 172  | 1510957  | 114.85 | ng    | -0.05    |
| 78) Terphenyl-d14              | 12.99 | 244  | 1009968  | 85.53  | ng    | -0.05    |
| Target Compounds               |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate          | 9.64  | 163  | 400463   | 24.05  | ng    | 99       |
| 70) Phenanthrene               | 11.42 | 178  | 75924    | 3.72   | ng    | 96       |
| 74) Fluoranthene               | 12.61 | 202  | 146566   | 7.63   | ng    | 99       |
| 77) Pyrene                     | 12.84 | 202  | 142952   | 7.14   | ng    | 98       |
| 80) Benzo(a)anthracene         | 14.03 | 228  | 66292m   | 4.33   | ng    |          |
| 82) Chrysene                   | 14.06 | 228  | 64147m   | 4.66   | ng    |          |
| 83) Bis(2-ethylhexyl)phthalate | 14.01 | 149  | 40717    | 3.81   | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 16.88 | 276  | 32252m   | 2.47   | ng    |          |
| 87) Benzo(b)fluoranthene       | 15.05 | 252  | 91835m   | 5.57   | ng    |          |
| 89) Benzo(a)pyrene             | 15.41 | 252  | 57290    | 4.02   | ng    | # 95     |
| 91) Benzo(g,h,i)perylene       | 17.31 | 276  | 31345    | 2.21   | ng    | 97       |

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

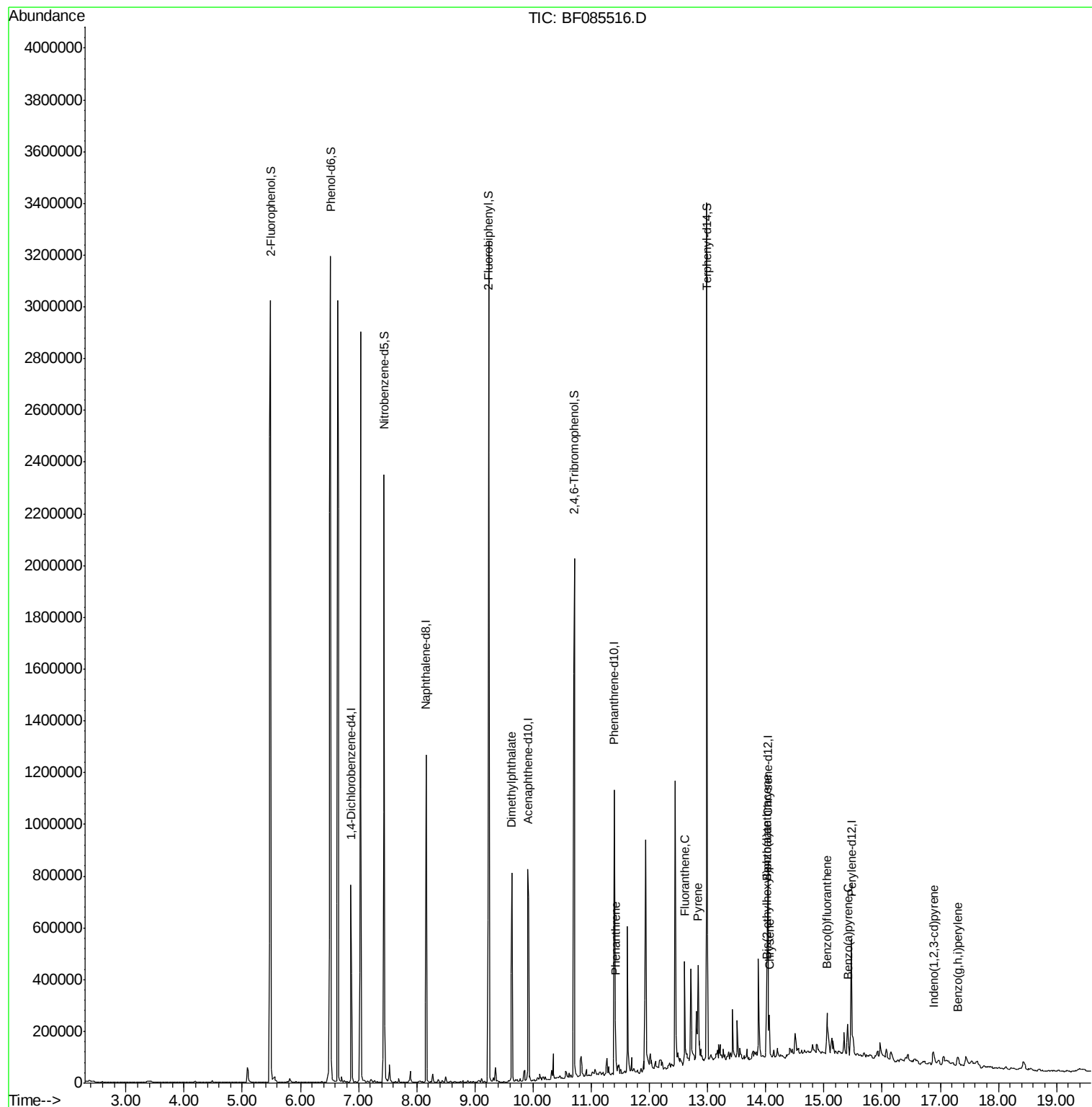
Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF031716\  
Data File : BF085516.D  
Acq On : 18 Mar 2016 2:57  
Operator : UM/SJ  
Sample : H1774-14  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

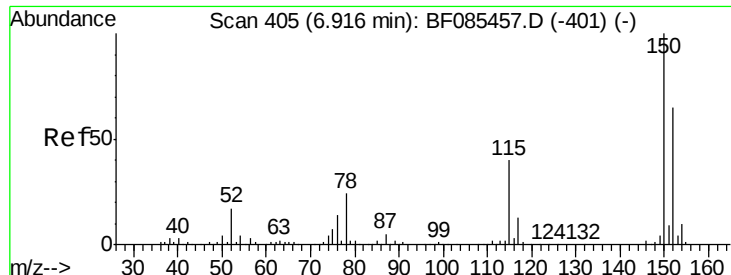
Instrument :  
BNA\_F  
ClientSampleId :  
SB-13-COMP

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Quant Time: Mar 18 15:10:45 2016  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031516.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Mar 15 18:57:05 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.87 min Scan# 401

Delta R.T. -0.05 min

Lab File: BF085516.D

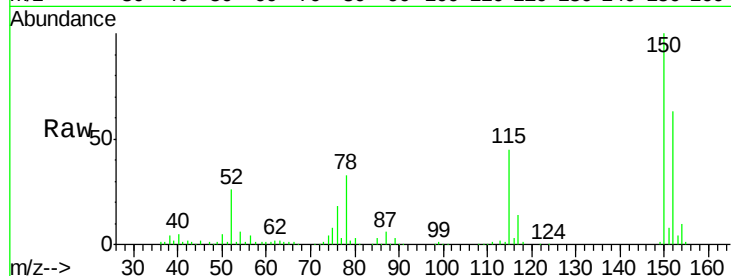
Acq: 18 Mar 2016 2:57

Instrument :

BNA\_F

ClientSampleId :

SB-13-COMP



Tgt Ion:152 Resp: 136492

Ion Ratio Lower Upper

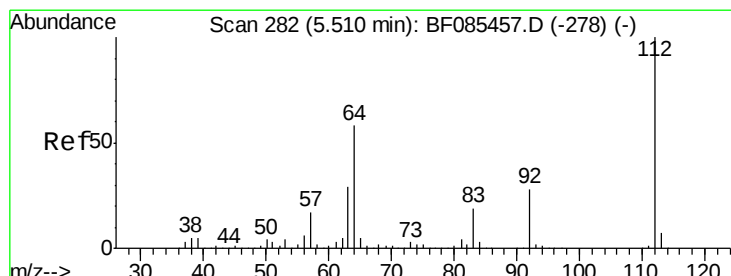
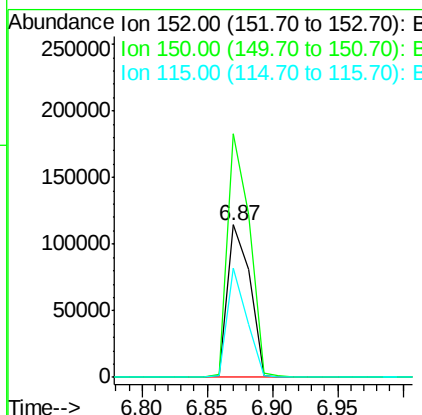
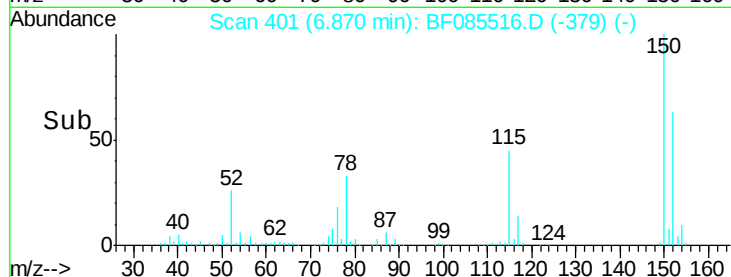
152 100

150 160.0 124.6 186.8

115 71.7 46.6 70.0#

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#5

2-Fluorophenol

Concen: 163.97 ng

RT: 5.49 min Scan# 280

Delta R.T. -0.02 min

Lab File: BF085516.D

Acq: 18 Mar 2016 2:57

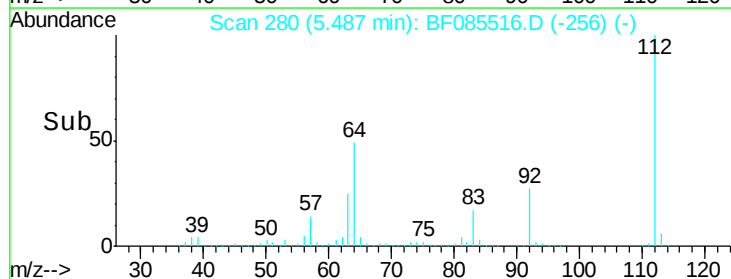
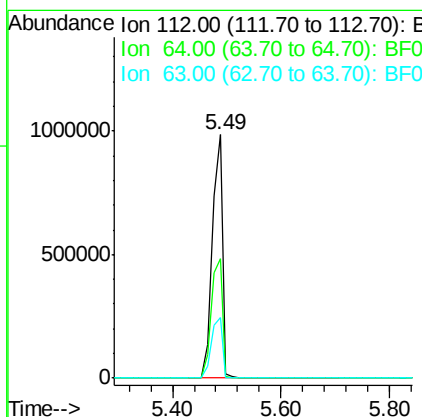
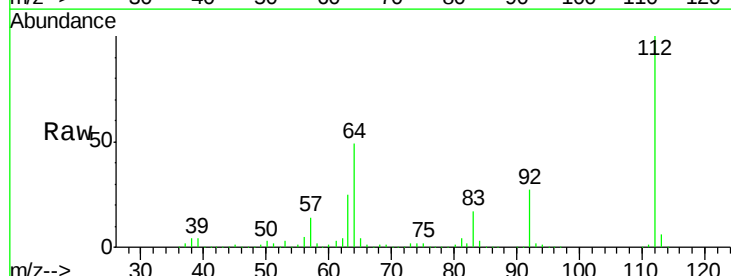
Tgt Ion:112 Resp: 1302020

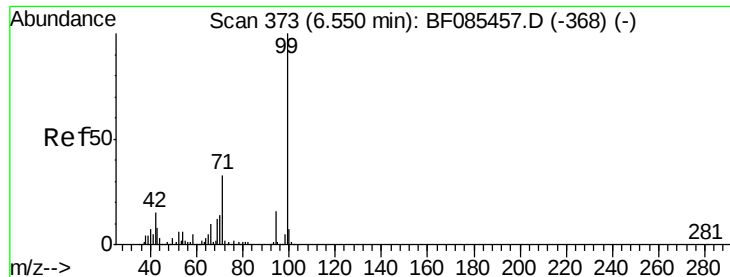
Ion Ratio Lower Upper

112 100

64 49.1 49.0 73.4

63 24.8 24.8 37.2#





#7

Phenol-d6

Concen: 153.75 ng

RT: 6.52 min Scan# 370

Delta R.T. -0.03 min

Lab File: BF085516.D

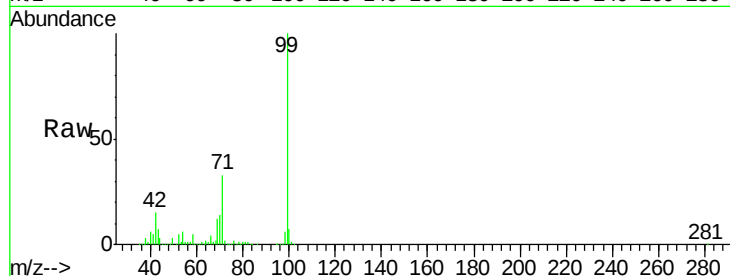
Acq: 18 Mar 2016 2:57

Instrument :

BNA\_F

ClientSampleId :

SB-13-COMP



Tgt Ion: 99 Resp: 1583601

Ion Ratio Lower Upper

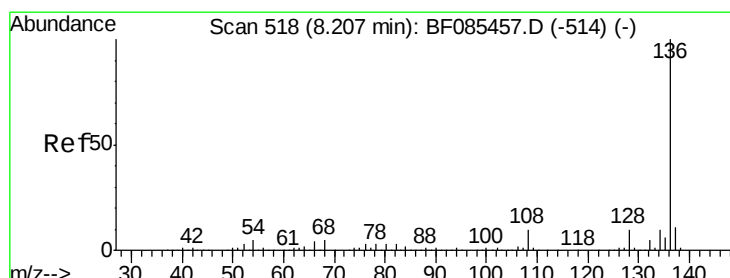
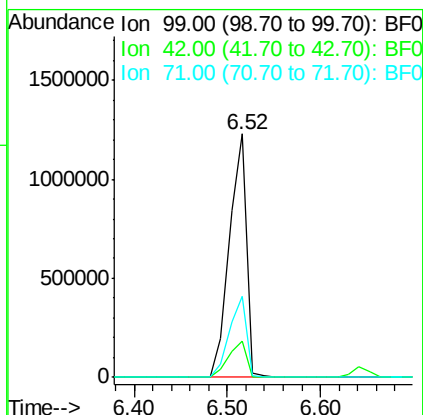
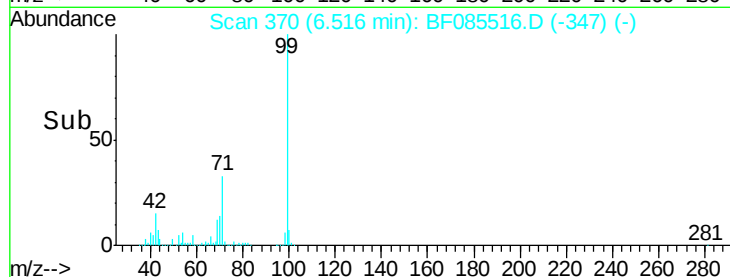
99 100

42 14.9 13.6 20.4

71 33.3 26.7 40.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 514

Delta R.T. -0.05 min

Lab File: BF085516.D

Acq: 18 Mar 2016 2:57

Tgt Ion: 136 Resp: 566802

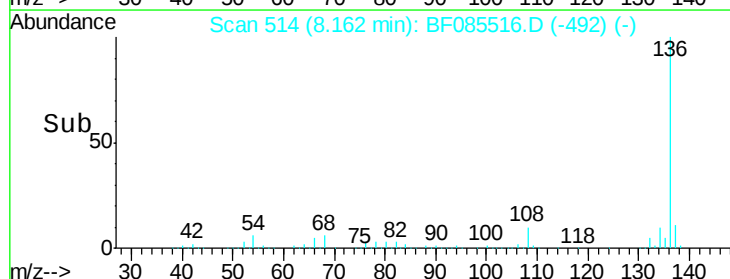
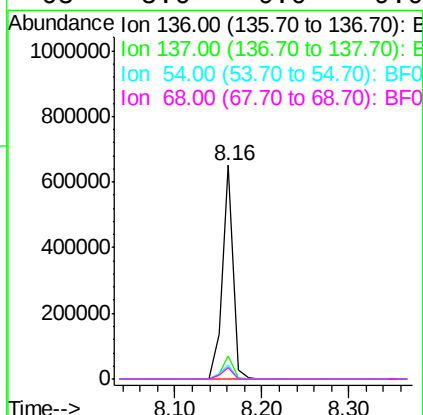
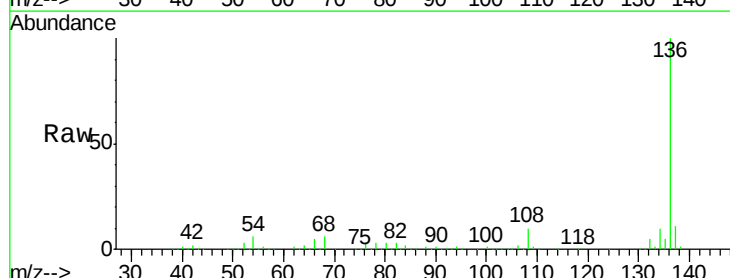
Ion Ratio Lower Upper

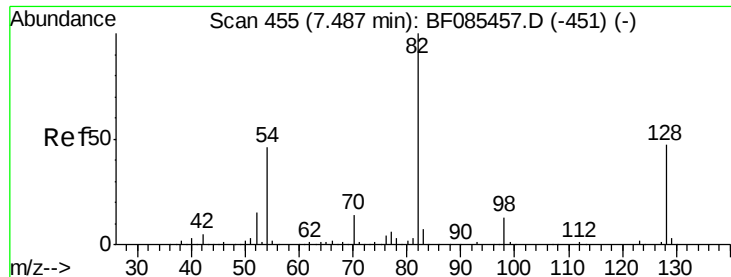
136 100

137 10.8 9.3 13.9

54 6.4 7.4 11.2#

68 5.6 6.0 9.0#





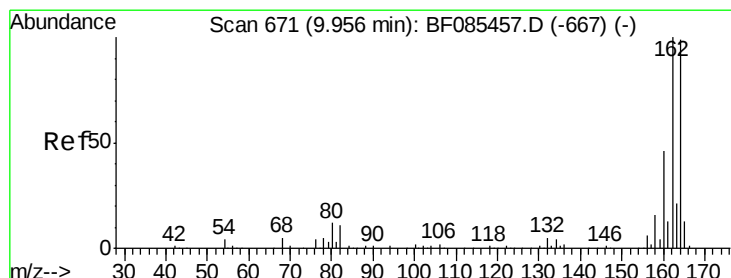
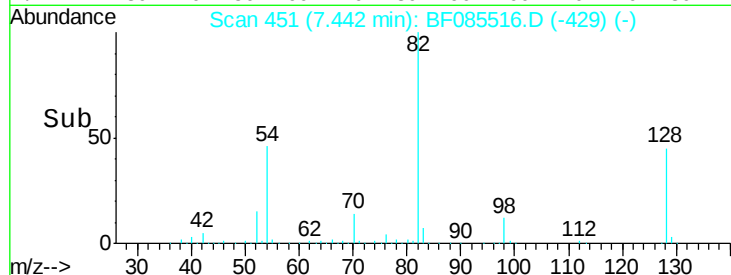
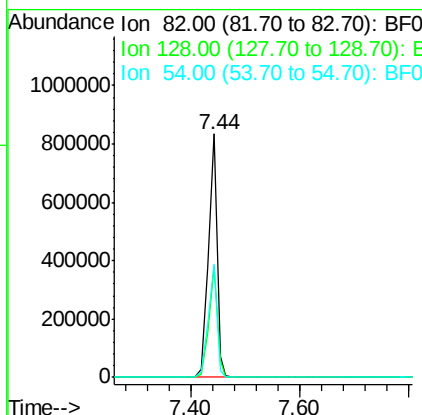
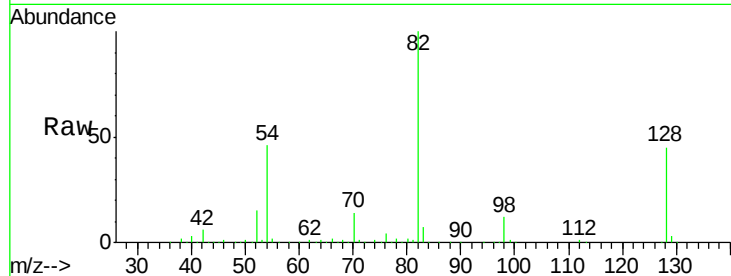
#23  
 Nitrobenzene-d5  
 Concen: 95.07 ng  
 RT: 7.44 min Scan# 451  
 Delta R.T. -0.05 min  
 Lab File: BF085516.D  
 Acq: 18 Mar 2016 2:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-13-COMP

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 45.4  | 34.5  | 51.7  |
| 54      | 46.4  | 39.3  | 58.9  |

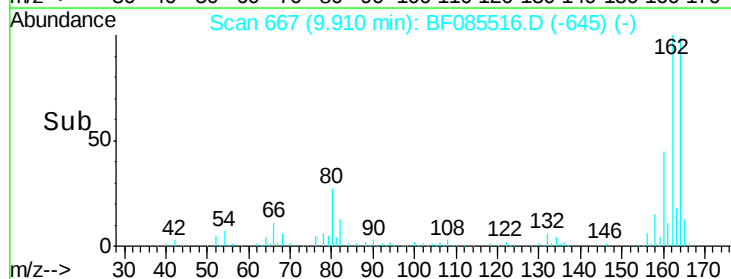
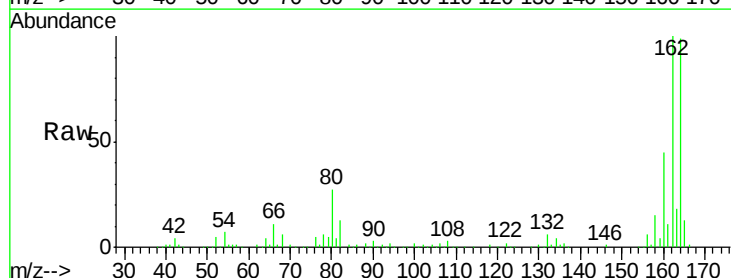
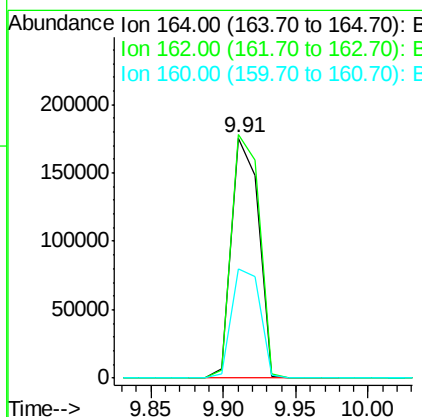
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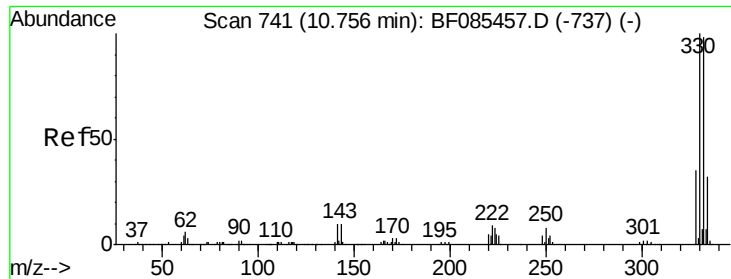
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#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.91 min Scan# 667  
 Delta R.T. -0.05 min  
 Lab File: BF085516.D  
 Acq: 18 Mar 2016 2:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.3 | 83.3  | 124.9 |
| 160     | 45.7  | 37.9  | 56.9  |





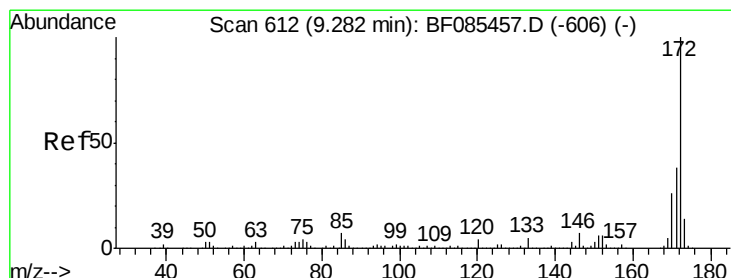
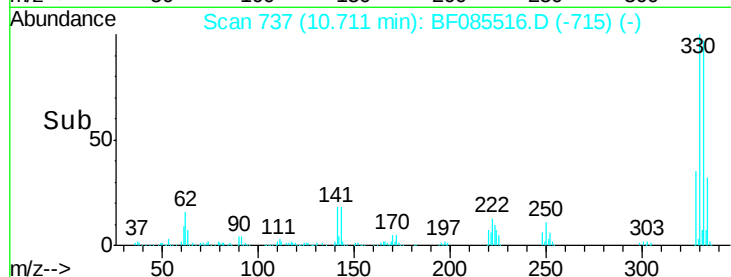
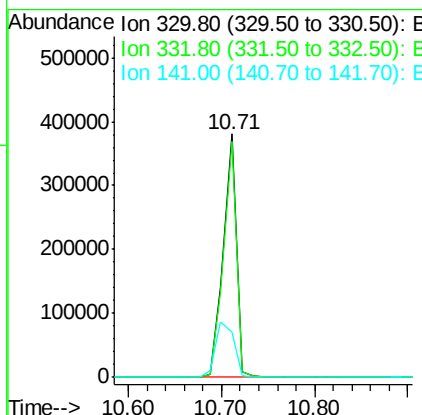
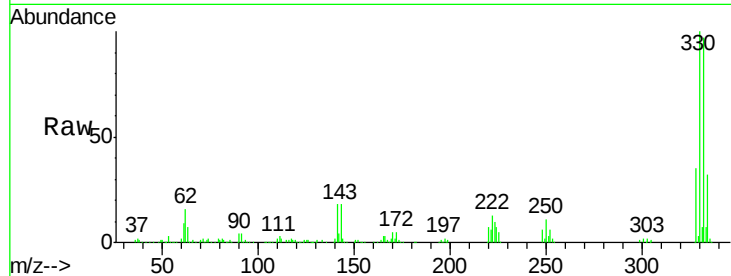
#41  
 2,4,6-Tribromophenol  
 Concen: 176.23 ng  
 RT: 10.71 min Scan# 737  
 Delta R.T. -0.05 min  
 Lab File: BF085516.D  
 Acq: 18 Mar 2016 2:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-13-COMP

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 370478 |       |       |
| 332     | 96.3  | 77.1   | 115.7 |       |
| 141     | 31.5  | 35.0   | 52.6  |       |

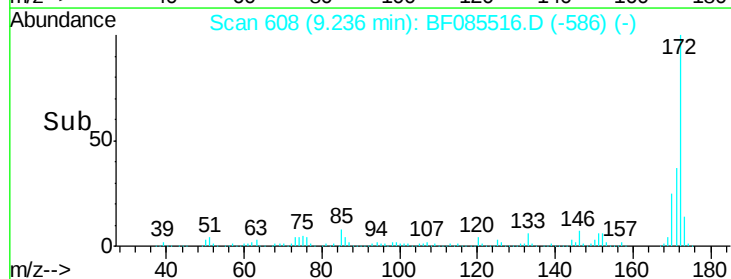
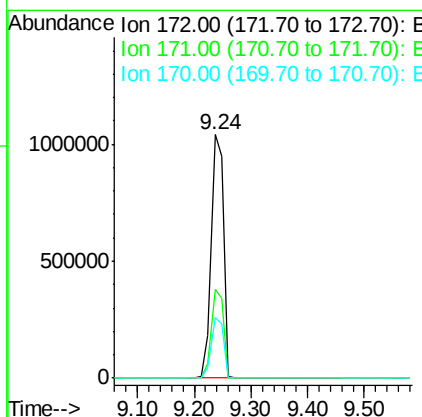
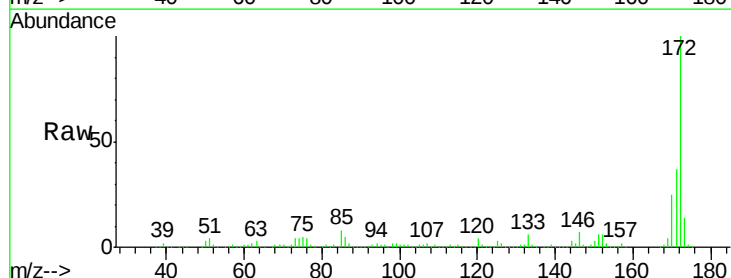
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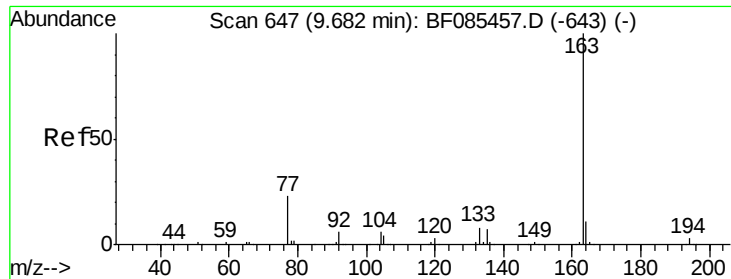
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#44  
 2-Fluorobiphenyl  
 Concen: 114.85 ng  
 RT: 9.24 min Scan# 608  
 Delta R.T. -0.05 min  
 Lab File: BF085516.D  
 Acq: 18 Mar 2016 2:57

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 172     | 100   | 1510957 |       |       |
| 171     | 36.6  | 29.3    | 43.9  |       |
| 170     | 24.6  | 20.0    | 30.0  |       |





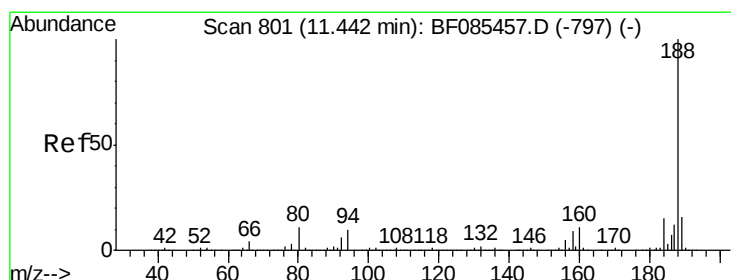
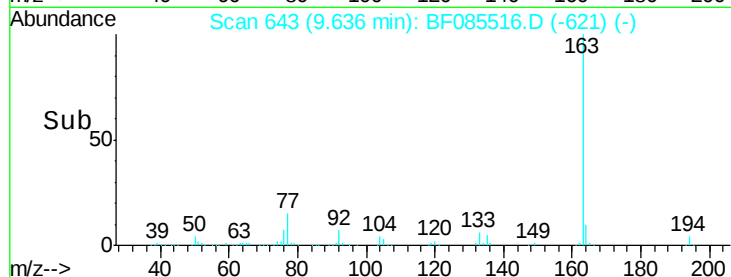
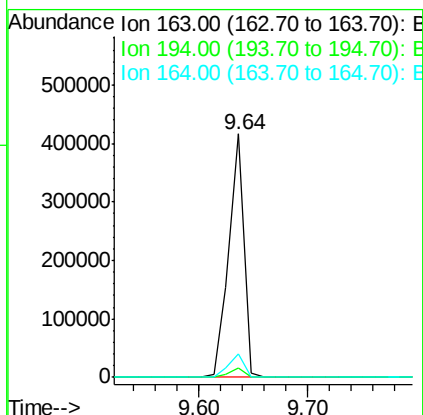
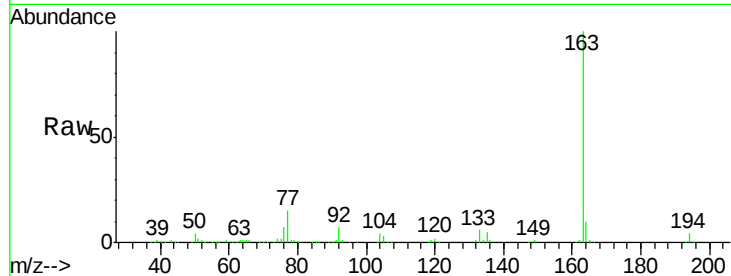
#49  
Dimethylphthalate  
Concen: 24.05 ng  
RT: 9.64 min Scan# 643  
Delta R.T. -0.05 min  
Lab File: BF085516.D  
Acq: 18 Mar 2016 2:57

Instrument :  
BNA\_F  
ClientSampleId :  
SB-13-COMP

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 163     | 100   |            |            |
| 194     | 3.8   | 3.1        | 4.7        |
| 164     | 9.7   | 8.2        | 12.4       |

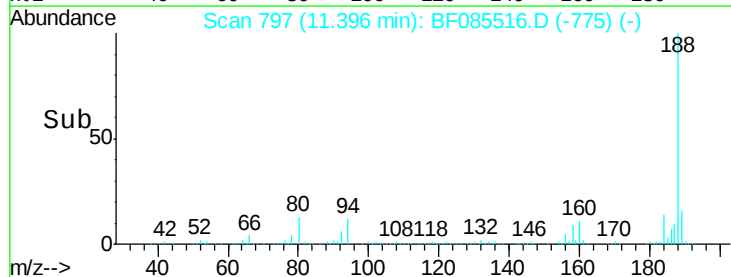
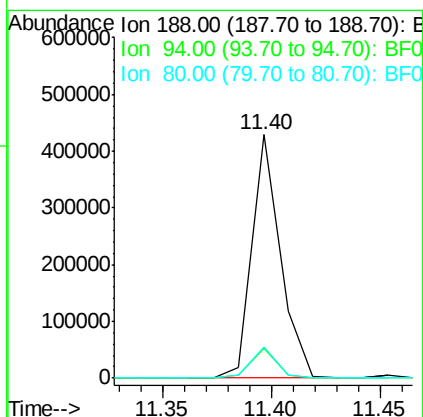
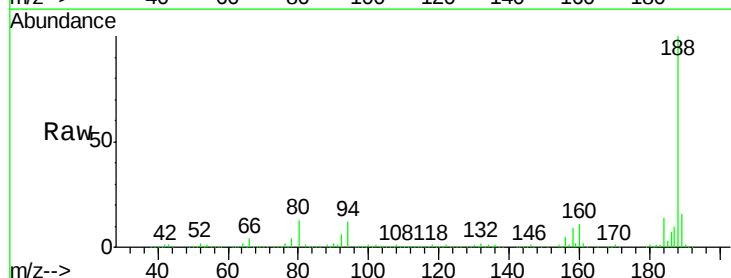
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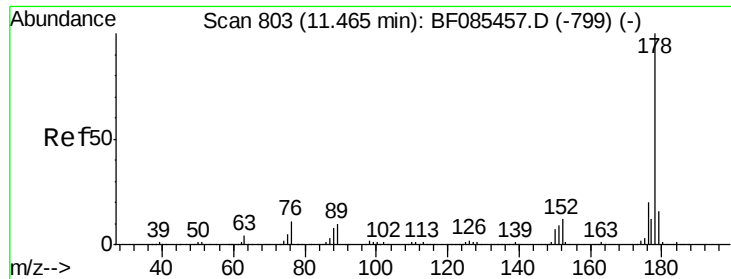
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#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.40 min Scan# 797  
Delta R.T. -0.05 min  
Lab File: BF085516.D  
Acq: 18 Mar 2016 2:57

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 188     | 100   |            |            |
| 94      | 12.0  | 7.0        | 10.6#      |
| 80      | 12.6  | 7.4        | 11.0#      |





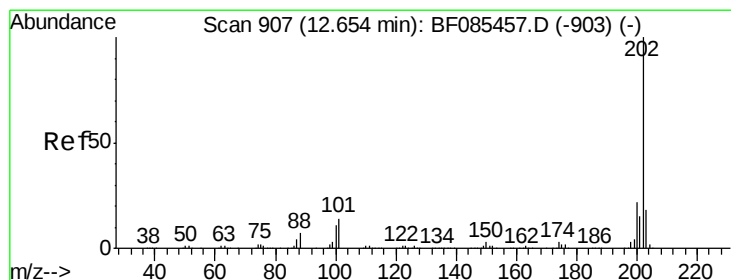
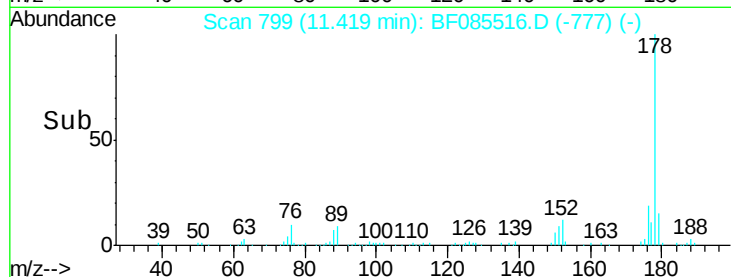
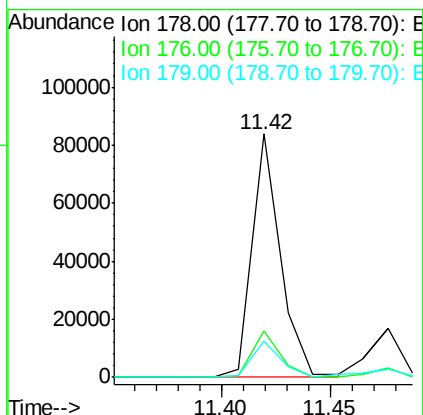
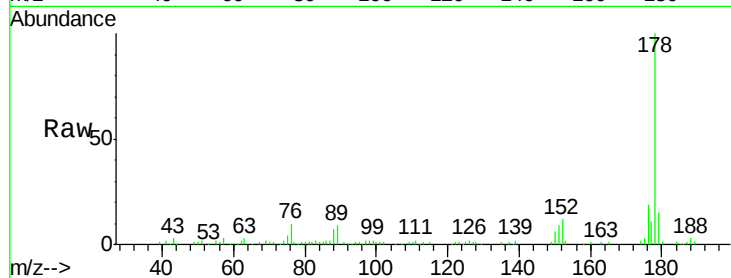
#70  
Phenanthrene  
Concen: 3.72 ng  
RT: 11.42 min Scan# 799  
Delta R.T. -0.05 min  
Lab File: BF085516.D  
Acq: 18 Mar 2016 2:57

Instrument :  
BNA\_F  
ClientSampled :  
SB-13-COMP

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.2  | 16.8  | 25.2  |
| 179     | 14.7  | 13.1  | 19.7  |

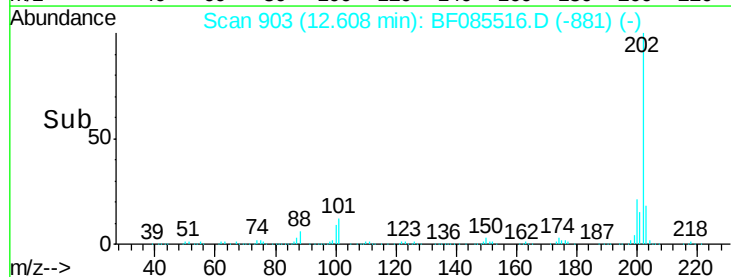
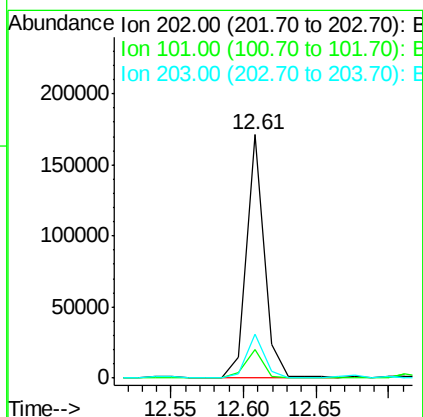
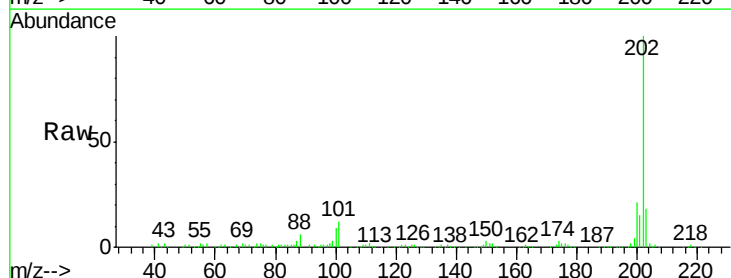
Manual Integrations  
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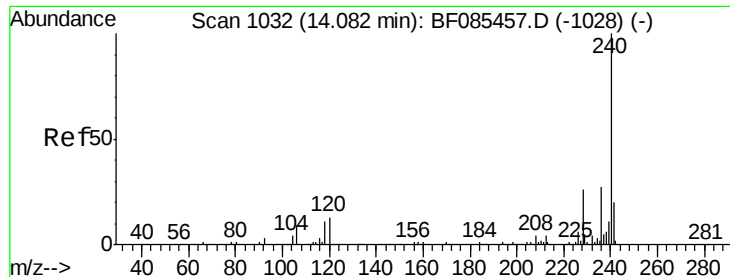
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#74  
Fluoranthene  
Concen: 7.63 ng  
RT: 12.61 min Scan# 903  
Delta R.T. -0.05 min  
Lab File: BF085516.D  
Acq: 18 Mar 2016 2:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.0  | 0.0   | 31.8  |
| 203     | 17.8  | 0.0   | 38.4  |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1028

Delta R.T. -0.05 min

Lab File: BF085516.D

Acq: 18 Mar 2016 2:57

Instrument :

BNA\_F

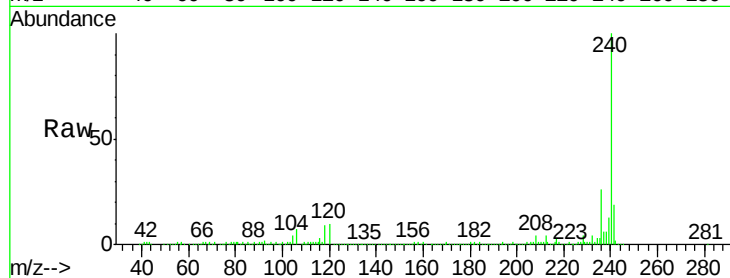
ClientSampleId :

SB-13-COMP

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 267120 |       |       |
| 120     | 10.1  | 5.3    | 7.9#  |       |
| 236     | 26.2  | 20.7   | 31.1  |       |

Manual Integrations  
APPROVED

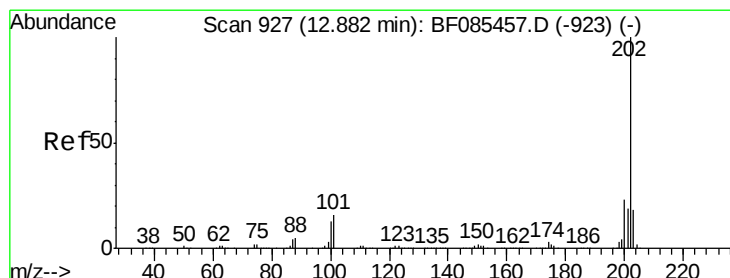
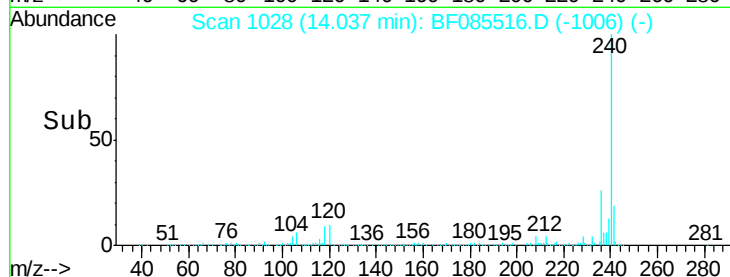
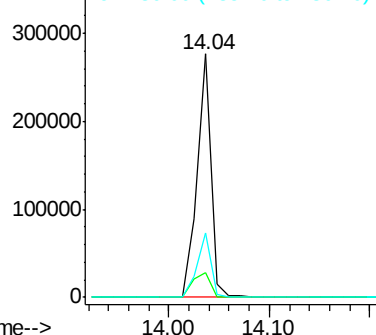
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 7.14 ng

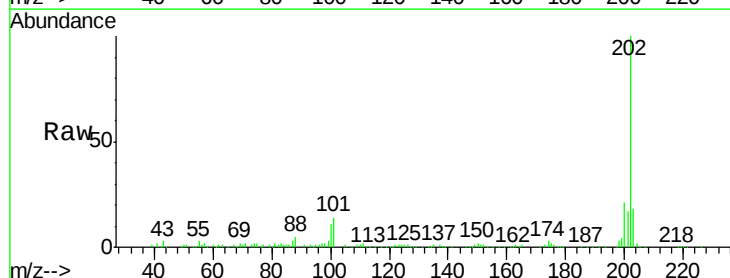
RT: 12.84 min Scan# 923

Delta R.T. -0.05 min

Lab File: BF085516.D

Acq: 18 Mar 2016 2:57

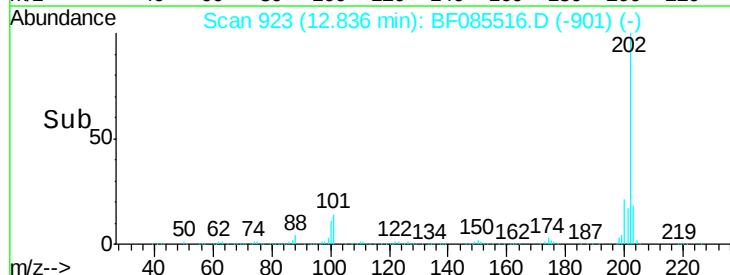
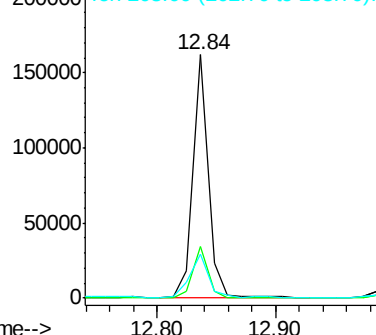
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 142952 |       |       |
| 200     | 21.1  | 18.2   | 27.4  |       |
| 203     | 17.9  | 14.7   | 22.1  |       |

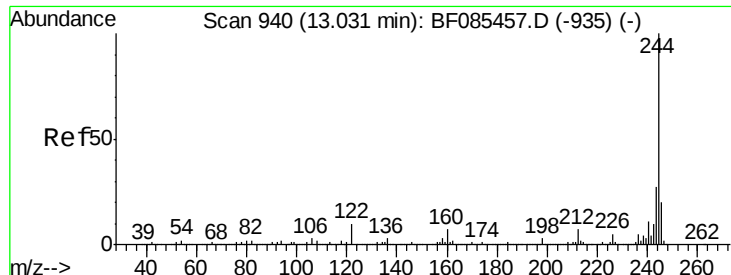


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





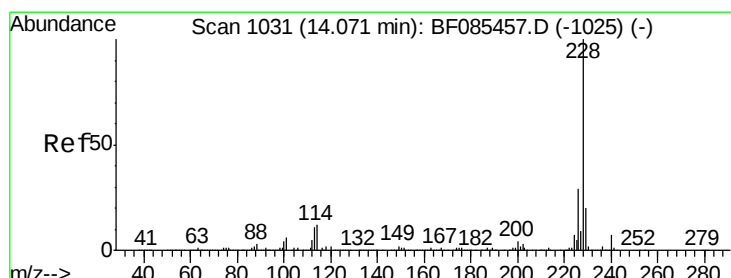
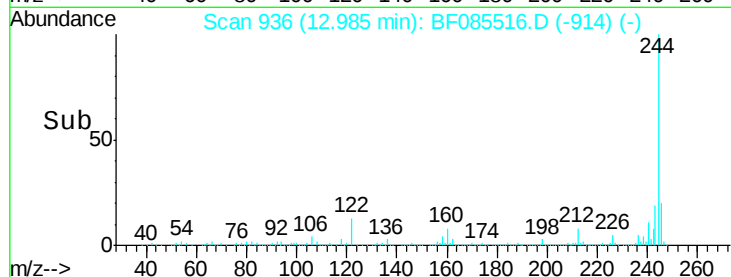
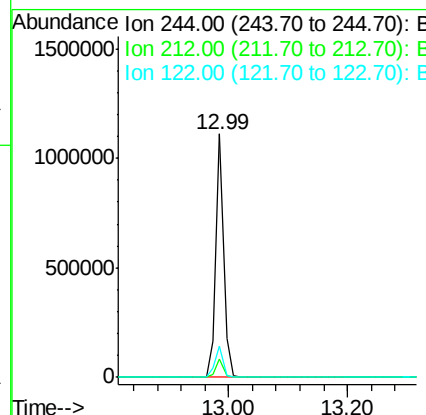
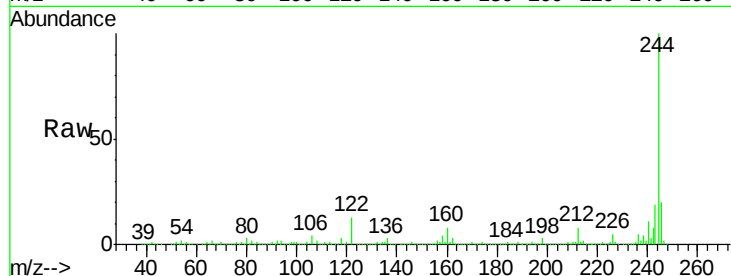
#78  
 Terphenyl-d14  
 Concen: 85.53 ng  
 RT: 12.99 min Scan# 936  
 Delta R.T. -0.05 min  
 Lab File: BF085516.D  
 Acq: 18 Mar 2016 2:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-13-COMP

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.5   | 6.4   | 9.6   |
| 122     | 13.1  | 11.4  | 17.2  |

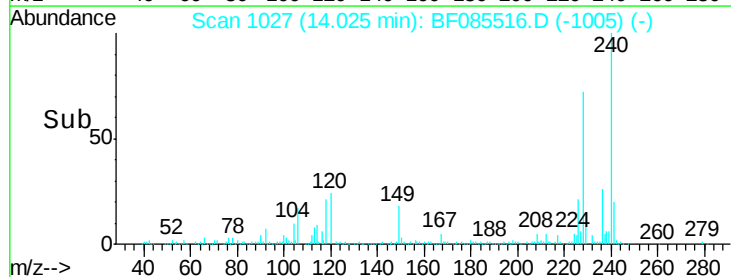
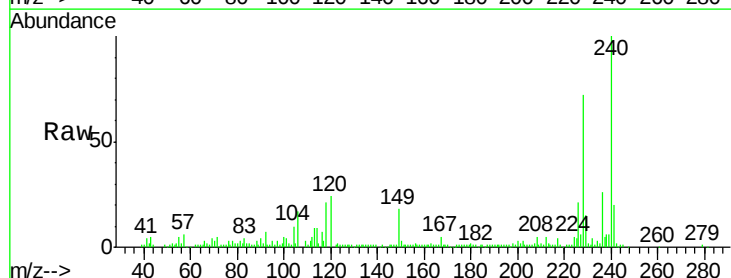
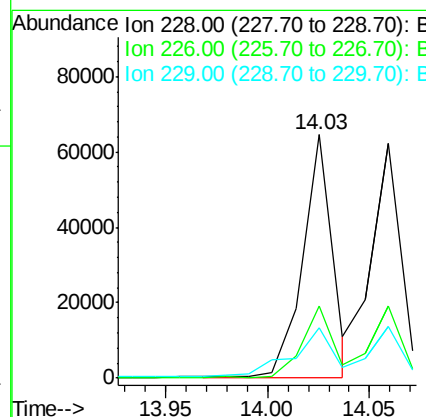
Manual Integrations  
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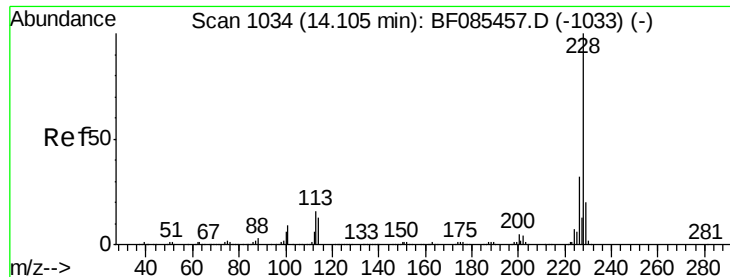
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#80  
 Benzo(a)anthracene  
 Concen: 4.33 ng m  
 RT: 14.03 min Scan# 1027  
 Delta R.T. -0.05 min  
 Lab File: BF085516.D  
 Acq: 18 Mar 2016 2:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.6  | 22.8  | 34.2  |
| 229     | 20.5  | 16.6  | 24.8  |





#82

Chrysene

Concen: 4.66 ng m

RT: 14.06 min Scan# 1030

Delta R.T. -0.05 min

Lab File: BF085516.D

Acq: 18 Mar 2016 2:57

Instrument :

BNA\_F

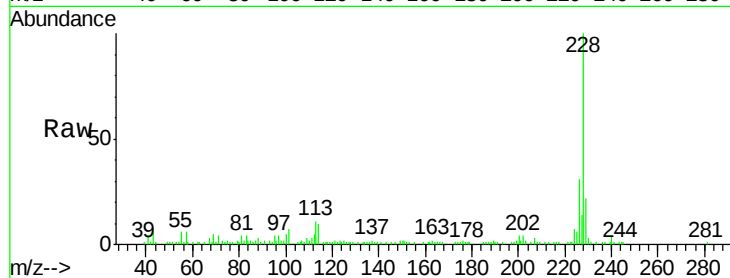
ClientSampleId :

SB-13-COMP

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 64147 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 30.7  | 25.2  | 37.8  |
| 229       | 21.9  | 16.0  | 24.0  |

Manual Integrations  
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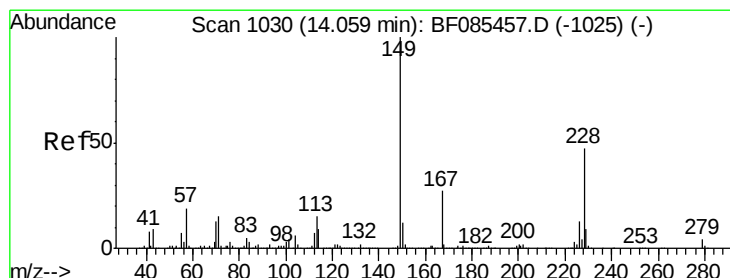
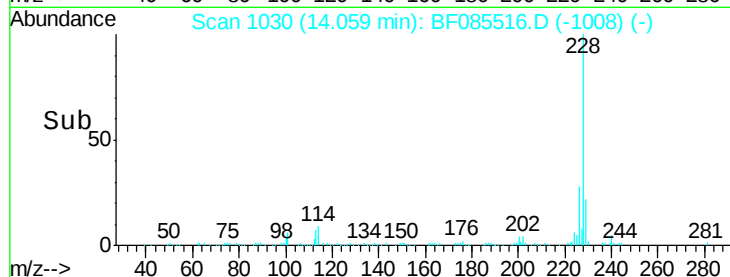
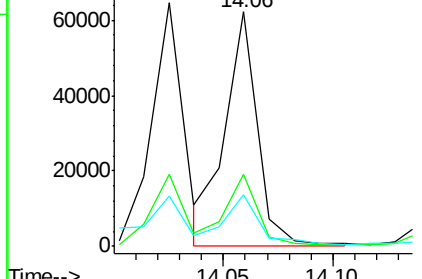
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.81 ng

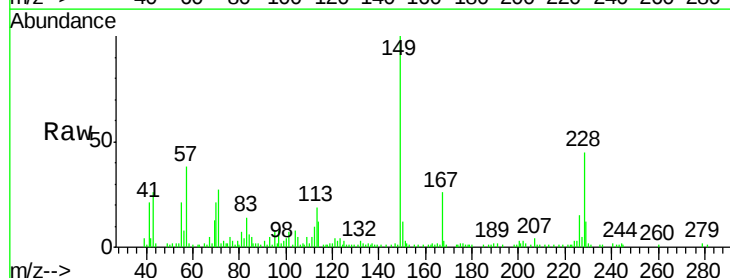
RT: 14.01 min Scan# 1026

Delta R.T. -0.05 min

Lab File: BF085516.D

Acq: 18 Mar 2016 2:57

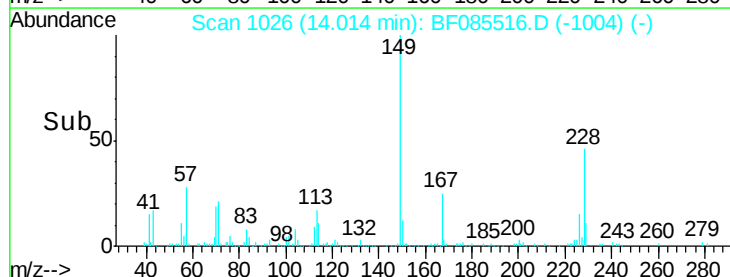
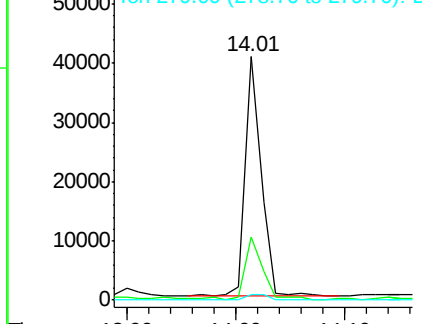
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 40717 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 25.8  | 20.3  | 30.5  |
| 279       | 2.4   | 1.9   | 2.9   |

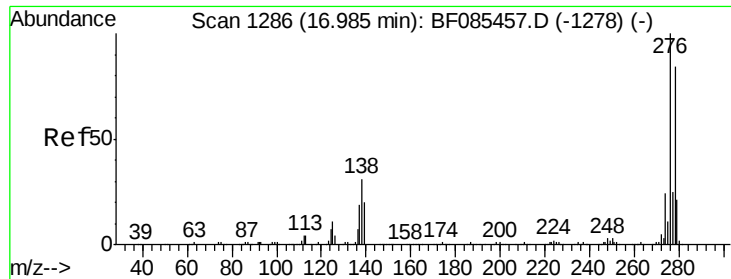


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





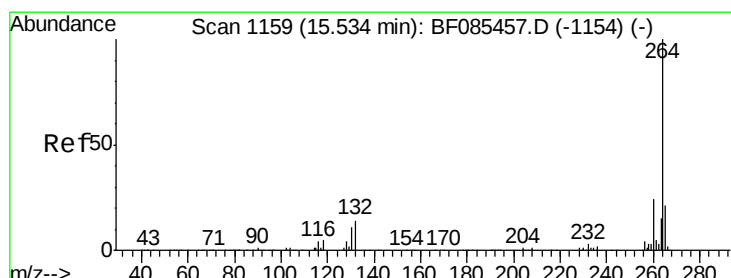
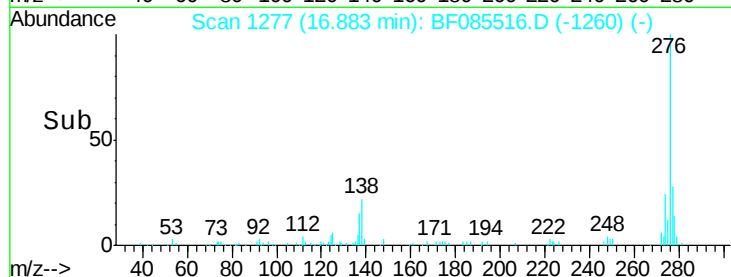
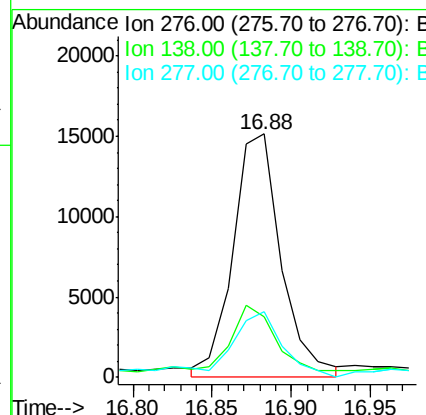
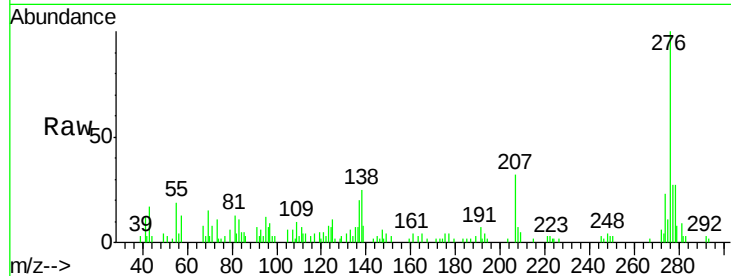
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 2.47 ng m  
 RT: 16.88 min Scan# 1277  
 Delta R.T. -0.10 min  
 Lab File: BF085516.D  
 Acq: 18 Mar 2016 2:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-13-COMP

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 276     | 100   |            |            |
| 138     | 9.1   | 26.4       | 39.6#      |
| 277     | 6.6   | 20.2       | 30.2#      |

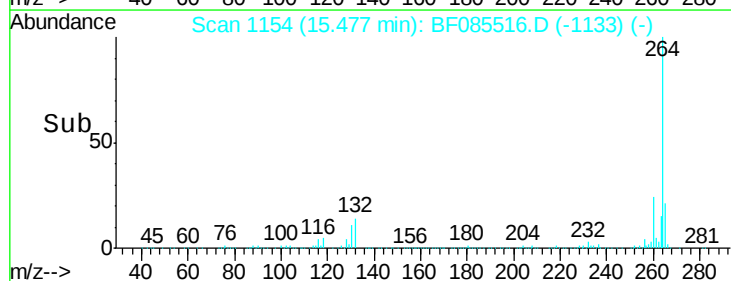
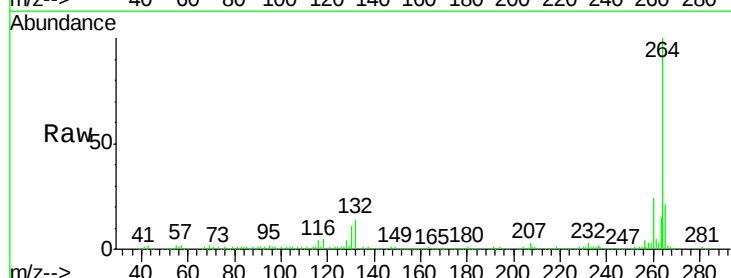
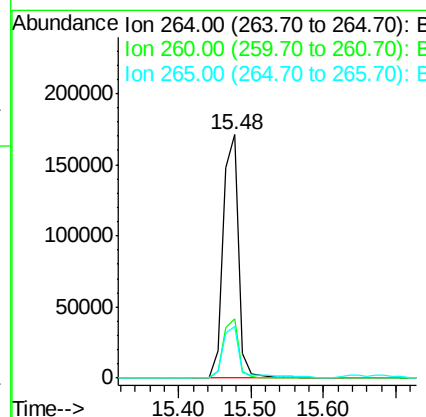
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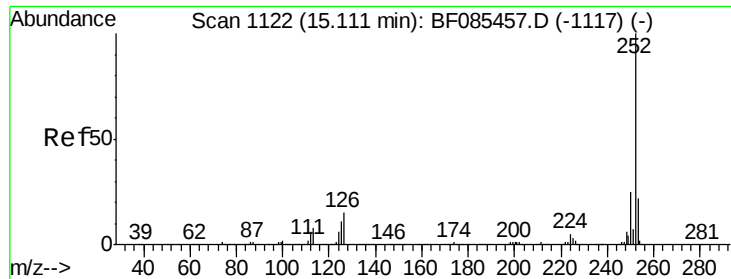
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#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.48 min Scan# 1154  
 Delta R.T. -0.06 min  
 Lab File: BF085516.D  
 Acq: 18 Mar 2016 2:57

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 264     | 100   |            |            |
| 260     | 24.2  | 19.2       | 28.8       |
| 265     | 21.3  | 17.3       | 25.9       |





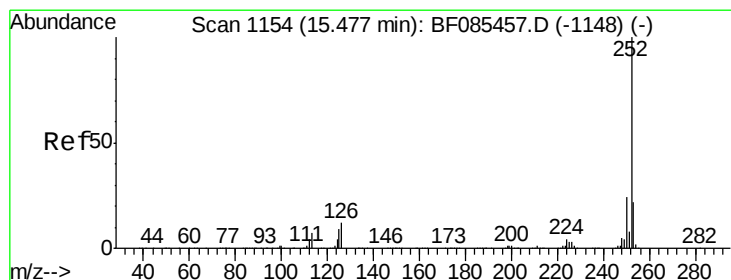
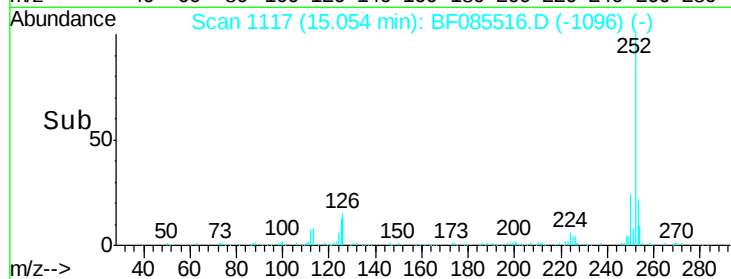
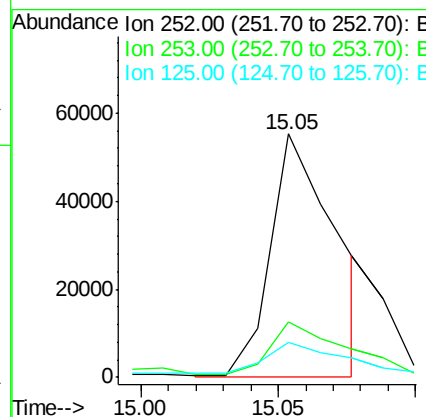
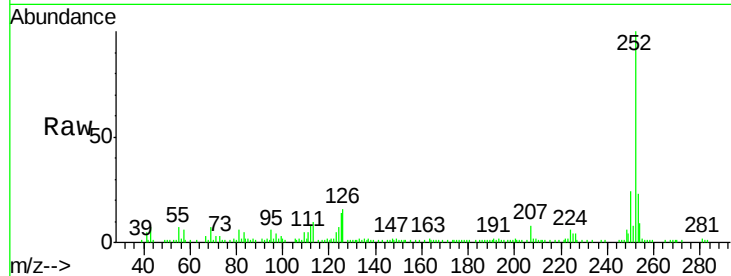
#87  
Benzo(b)fluoranthene  
Concen: 5.57 ng m  
RT: 15.05 min Scan# 1117  
Delta R.T. -0.06 min  
Lab File: BF085516.D  
Acq: 18 Mar 2016 2:57

Instrument :  
BNA\_F  
ClientSampleId :  
SB-13-COMP

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 22.9  | 17.8       | 26.6  |
| 125     | 14.4  | 11.3       | 16.9  |

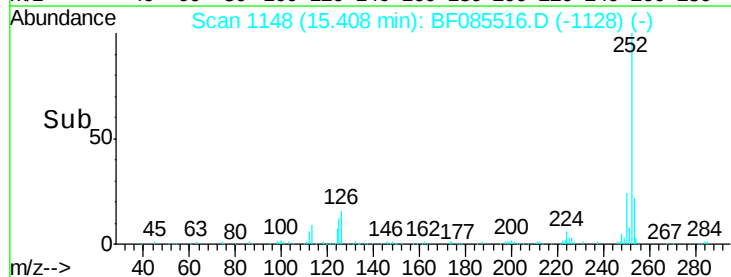
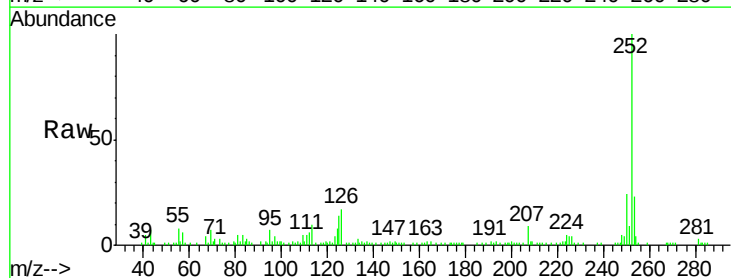
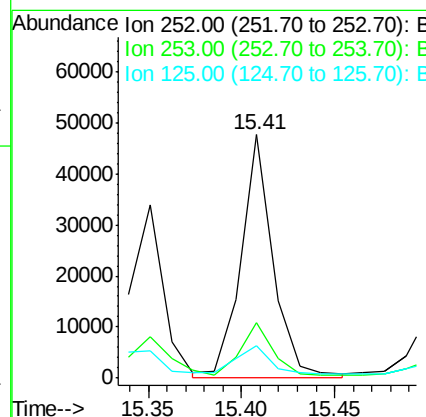
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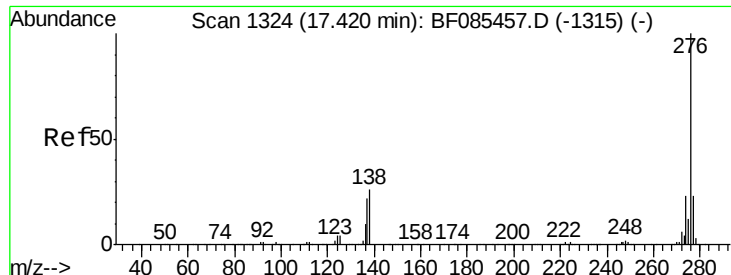
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#89  
Benzo(a)pyrene  
Concen: 4.02 ng  
RT: 15.41 min Scan# 1148  
Delta R.T. -0.07 min  
Lab File: BF085516.D  
Acq: 18 Mar 2016 2:57

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 253     | 22.9  | 17.4       | 26.0  |
| 125     | 13.6  | 8.2        | 12.4# |





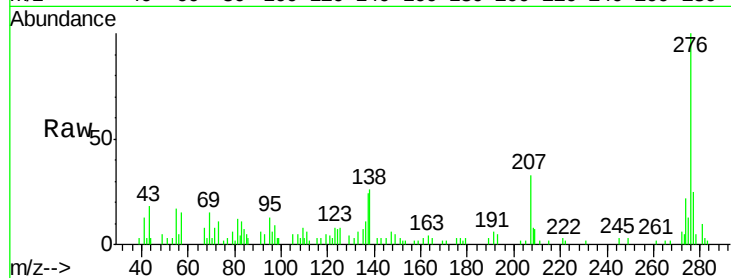
#91  
 Benzo(g,h,i)perylene  
 Concen: 2.21 ng  
 RT: 17.31 min Scan# 1314  
 Delta R.T. -0.11 min  
 Lab File: BF085516.D  
 Acq: 18 Mar 2016 2:57

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-13-COMP

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 276     | 100   |            |            |
| 277     | 24.6  | 19.0       | 28.4       |
| 138     | 26.0  | 22.5       | 33.7       |

Manual Integrations  
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

