

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\  
 Data File : BF085493.D  
 Acq On : 17 Mar 2016 6:12  
 Operator : UM/SJ  
 Sample : H1796-15 50X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AOU2-SB15(7-9)

Manual Integrations  
 APPROVED

Sohil  
 3/17/2016 5:20:40 PM

Quant Time: Mar 17 05:55:11 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   | 6.90  | 152  | 128687   | 20.00  | ng    | -0.01       |
| 21) Naphthalene-d8          | 8.20  | 136  | 427298   | 20.00  | ng    | -0.01       |
| 38) Acenaphthene-d10        | 9.94  | 164  | 213282   | 20.00  | ng    | -0.01       |
| 63) Phenanthrene-d10        | 11.43 | 188  | 315710   | 20.00  | ng    | -0.01       |
| 75) Chrysene-d12            | 14.07 | 240  | 218632   | 20.00  | ng    | -0.01       |
| 86) Perylene-d12            | 15.51 | 264  | 291659   | 20.00  | ng    | -0.02       |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.50  | 112  | 15869    | 2.12   | ng    | -0.01       |
| 7) Phenol-d6                | 6.52  | 99   | 21195    | 2.18   | ng    | -0.03       |
| 23) Nitrobenzene-d5         | 7.46  | 82   | 16512    | 2.28   | ng    | -0.02       |
| 41) 2,4,6-Tribromophenol    | 10.73 | 330  | 2832     | 1.44   | ng    | -0.02       |
| 44) 2-Fluorobiphenyl        | 9.26  | 172  | 25485    | 2.07   | ng    | -0.02       |
| 78) Terphenyl-d14           | 13.01 | 244  | 16308    | 1.69   | ng    | -0.02       |
| Target Compounds            |       |      |          |        |       |             |
| 6) Aniline                  | 6.56  | 93   | 37298    | 2.78   | ng    | Qvalue # 92 |
| 10) Phenol                  | 6.54  | 94   | 549357   | 50.47  | ng    | 91          |
| 17) 2-Methylphenol          | 7.14  | 107  | 72072    | 9.81   | ng    | # 93        |
| 20) 3+4-Methylphenols       | 7.30  | 107  | 272686   | 34.61  | ng    | # 77        |
| 27) 2,4-Dimethylphenol      | 7.84  | 122  | 46970    | 6.77   | ng    | 96          |
| 31) Naphthalene             | 8.24  | 128  | 7780097  | 372.62 | ng    | 96          |
| 37) 2-Methylnaphthalene     | 8.90  | 142  | 1242113  | 93.95  | ng    | 97          |
| 45) 1,1'-Biphenyl           | 9.36  | 154  | 481811   | 27.68  | ng    | 97          |
| 48) Acenaphthylene          | 9.81  | 152  | 1125414  | 53.33  | ng    | 98          |
| 51) Acenaphthene            | 9.97  | 154  | 190220   | 14.34  | ng    | 98          |
| 54) Dibenzofuran            | 10.15 | 168  | 1429852  | 87.73  | ng    | 99          |
| 57) Fluorene                | 10.49 | 166  | 1255726  | 96.62  | ng    | 99          |
| 70) Phenanthrene            | 11.47 | 178  | 3521676  | 214.16 | ng    | 98          |
| 71) Anthracene              | 11.51 | 178  | 1385655  | 82.73  | ng    | 99          |
| 72) Carbazole               | 11.66 | 167  | 733307   | 51.74  | ng    | 99          |
| 74) Fluoranthene            | 12.65 | 202  | 2769155  | 179.15 | ng    | 96          |
| 77) Pyrene                  | 12.87 | 202  | 2011584  | 122.68 | ng    | 99          |
| 80) Benzo(a)anthracene      | 14.06 | 228  | 1122776m | 89.57  | ng    |             |
| 82) Chrysene                | 14.09 | 228  | 880835m  | 78.12  | ng    |             |
| 85) Indeno(1,2,3-cd)pyrene  | 16.95 | 276  | 543439   | 50.84  | ng    | 94          |
| 87) Benzo(b)fluoranthene    | 15.10 | 252  | 1138965m | 59.80  | ng    |             |
| 88) Benzo(k)fluoranthene    | 15.11 | 252  | 515012m  | 34.52  | ng    |             |
| 89) Benzo(a)pyrene          | 15.47 | 252  | 1040394  | 63.23  | ng    | 97          |
| 90) Dibenzo(a,h)anthracene  | 16.96 | 278  | 139220   | 8.66   | ng    | 91          |
| 91) Benzo(g,h,i)perylene    | 17.39 | 276  | 470105   | 28.63  | ng    | 99          |

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

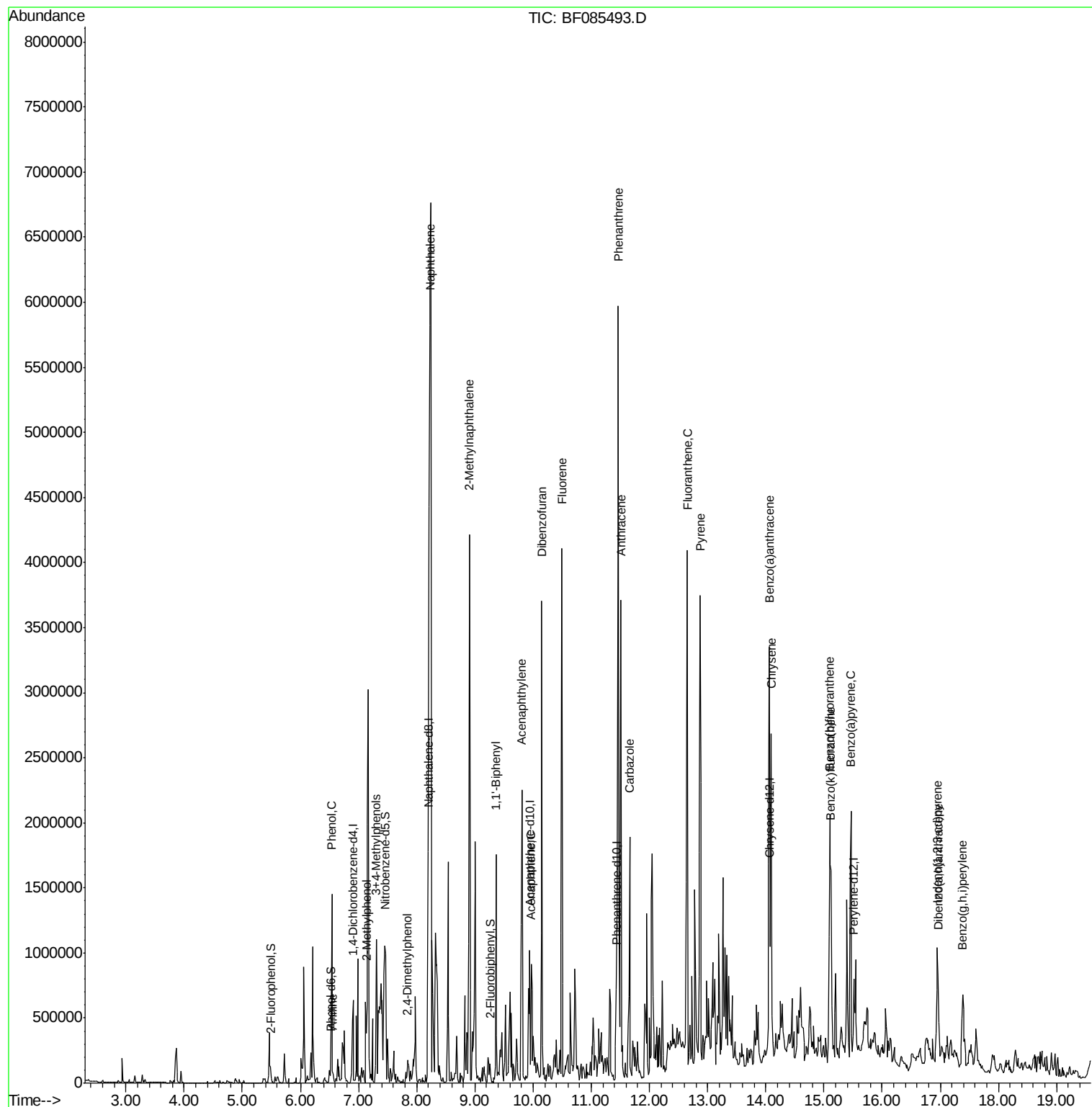
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\  
Data File : BF085493.D  
Acq On : 17 Mar 2016 6:12  
Operator : UM/SJ  
Sample : H1796-15 50X  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

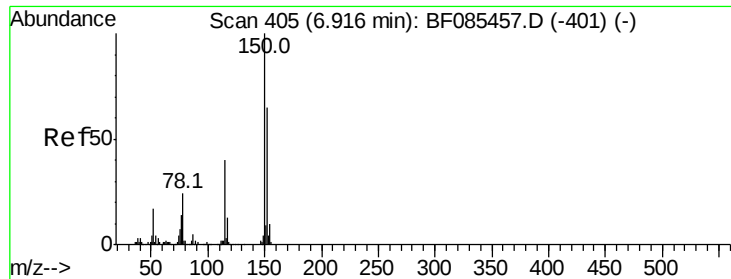
Instrument :  
BNA\_F  
ClientSampleId :  
AOU2-SB15(7-9)

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Quant Time: Mar 17 05:55:11 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: 6.90 min Scan# 404

Delta R.T. -0.01 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

Instrument :

BNA\_F

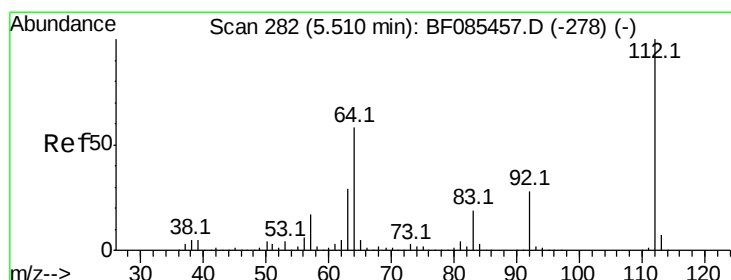
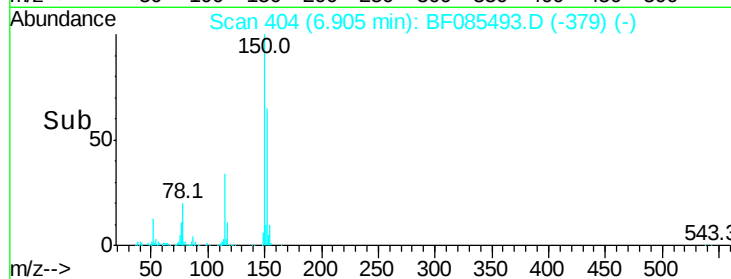
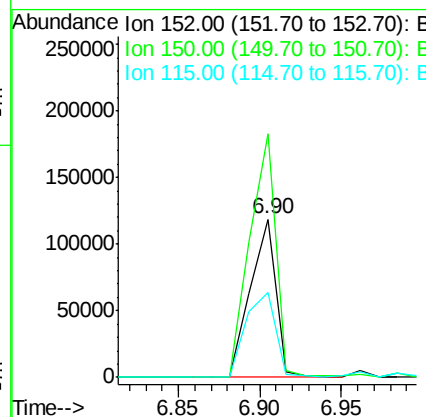
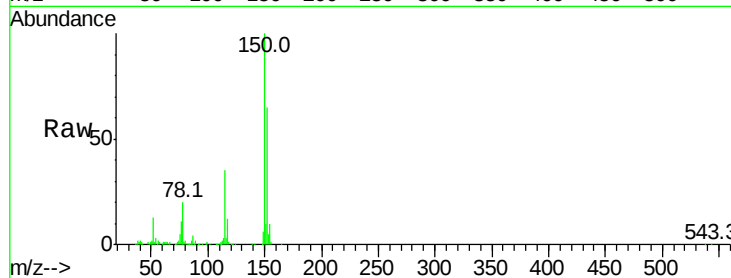
ClientSampleId :

AOU2-SB15(7-9)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 128687 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 150       | 154.2 | 124.6 | 186.8  |
| 115       | 53.5  | 46.6  | 70.0   |

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#5

2-Fluorophenol

Concen: 2.12 ng

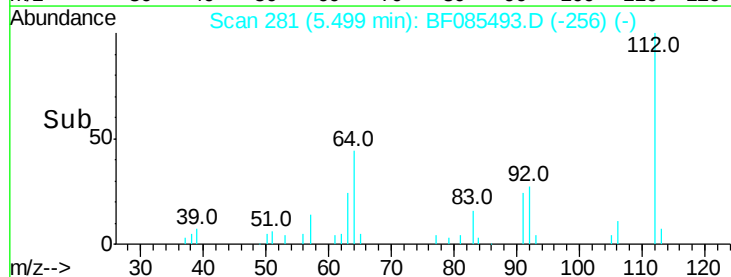
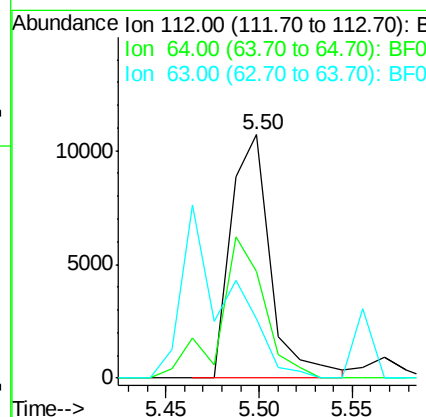
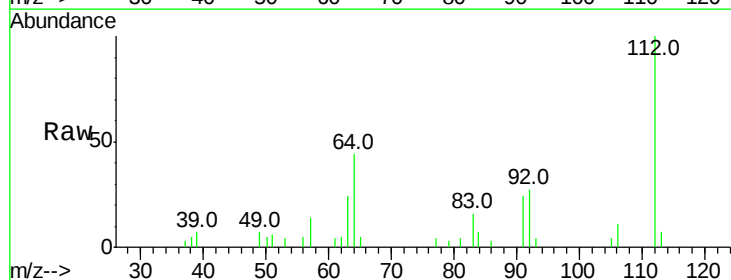
RT: 5.50 min Scan# 281

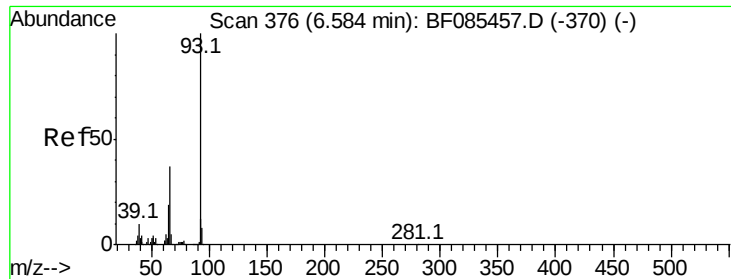
Delta R.T. -0.01 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 112   | Resp: | 15869 |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 64        | 43.9  | 49.0  | 73.4# |
| 63        | 24.4  | 24.8  | 37.2# |





#6

Aniline

Concen: 2.78 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.02 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

Instrument :

BNA\_F

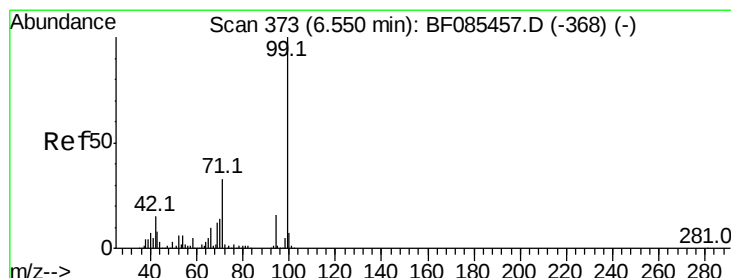
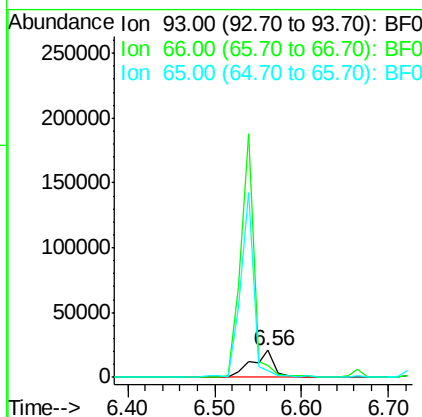
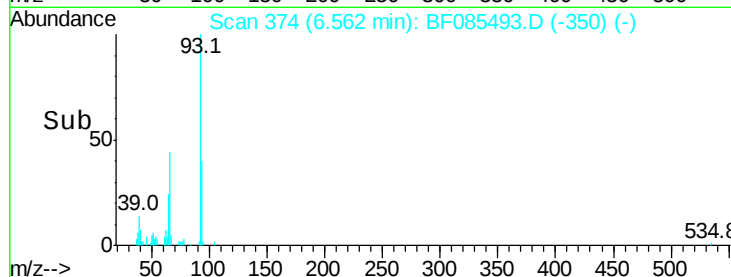
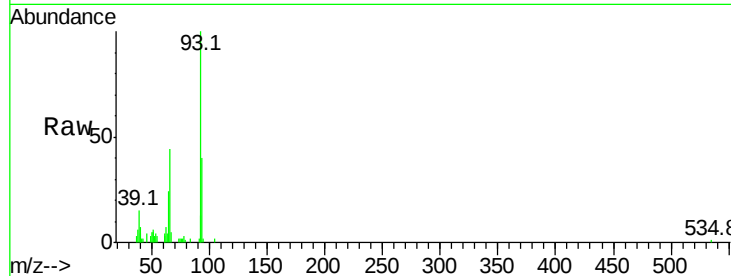
ClientSampled :

AOU2-SB15(7-9)

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 93    | Resp: | 37298 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 66        | 43.7  | 31.6  | 47.4  |
| 65        | 24.4  | 15.8  | 23.8  |

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#7

Phenol-d6

Concen: 2.18 ng

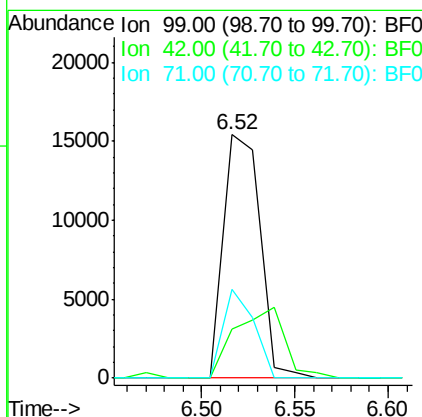
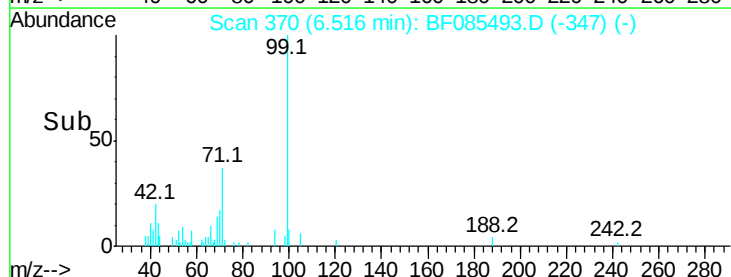
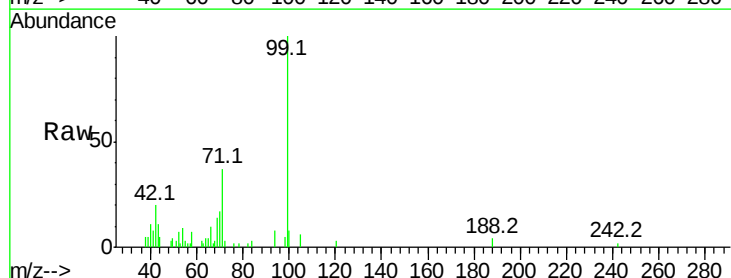
RT: 6.52 min Scan# 370

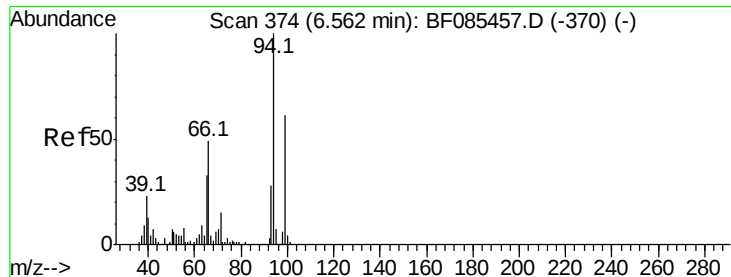
Delta R.T. -0.03 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 99    | Resp: | 21195 |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 20.1  | 13.6  | 20.4  |
| 71        | 36.6  | 26.7  | 40.1  |





#10

Phenol

Concen: 50.47 ng

RT: 6.54 min Scan# 372

Delta R.T. -0.02 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

Instrument :

BNA\_F

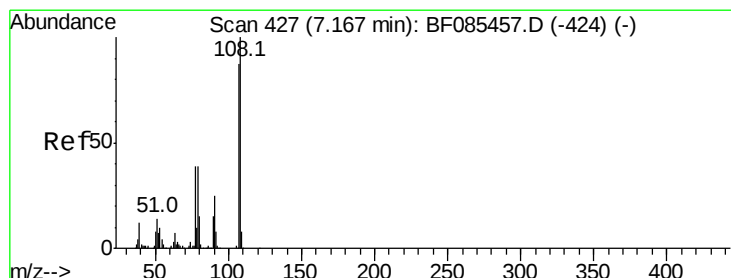
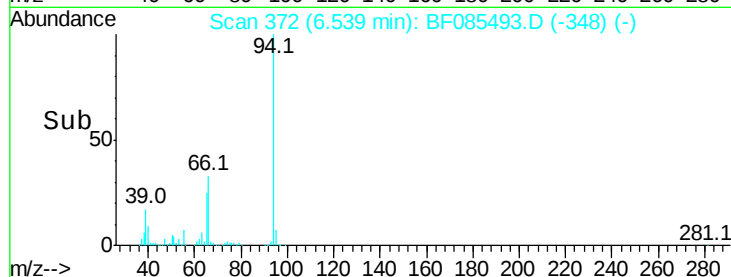
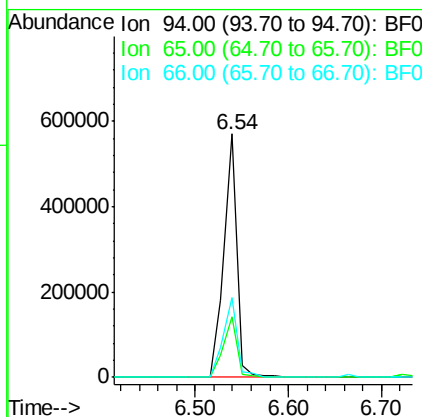
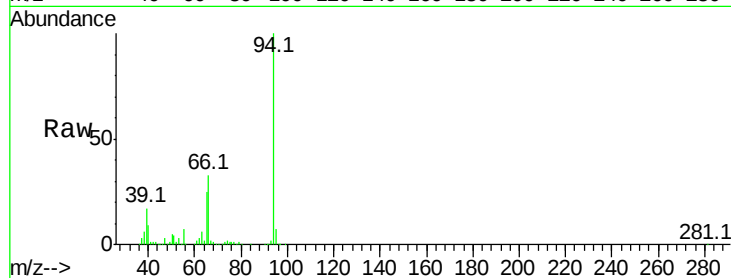
ClientSampleId :

AOU2-SB15(7-9)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 94    | Resp: | 549357 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 25.0  | 9.1   | 49.1   |
| 66        | 32.9  | 19.3  | 59.3   |

Manual Integrations  
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#17

2-Methylphenol

Concen: 9.81 ng

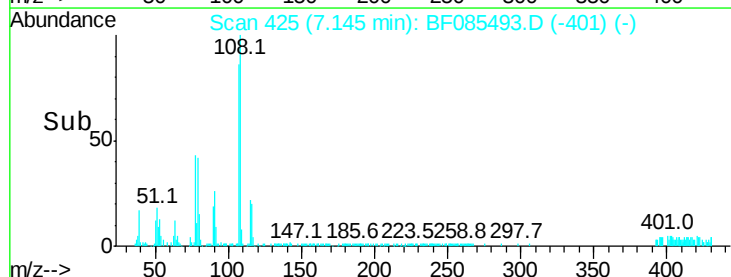
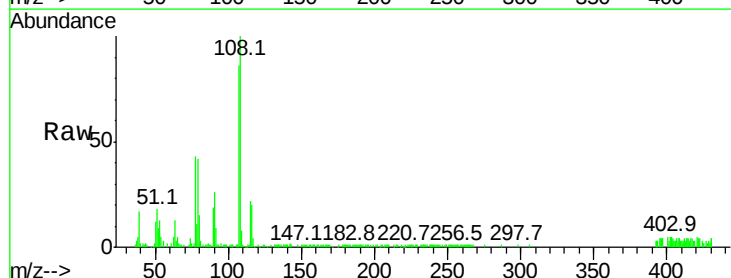
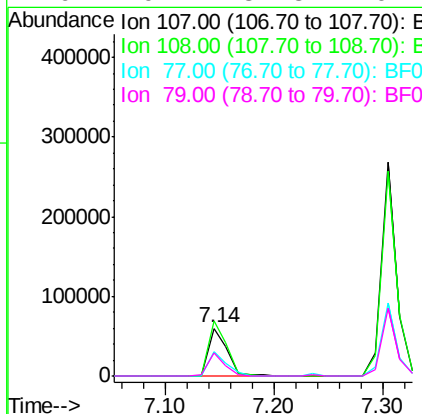
RT: 7.14 min Scan# 425

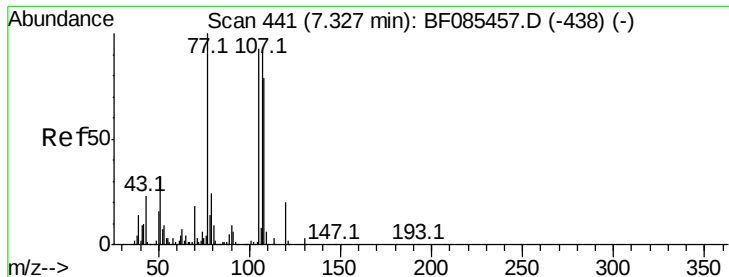
Delta R.T. -0.02 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 107   | Resp: | 72072 |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 108       | 116.3 | 90.9  | 136.3 |
| 77        | 50.2  | 32.6  | 48.8# |
| 79        | 49.1  | 32.8  | 49.2  |





#20

3+4-Methylphenols

Concen: 34.61 ng

RT: 7.30 min Scan# 439

Delta R.T. -0.02 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

Instrument :

BNA\_F

ClientSampleId :

AOU2-SB15(7-9)

Tot Ion:107 Resp: 272686

Ion Ratio Lower Upper

107 100

108 95.7 68.8 108.8

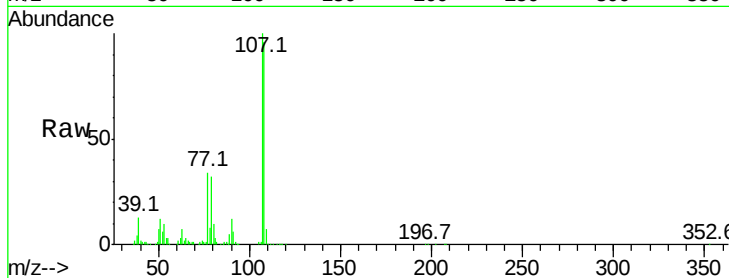
77 34.1 53.6 93.6#

79 31.7 8.0 48.0

Manual Integrations  
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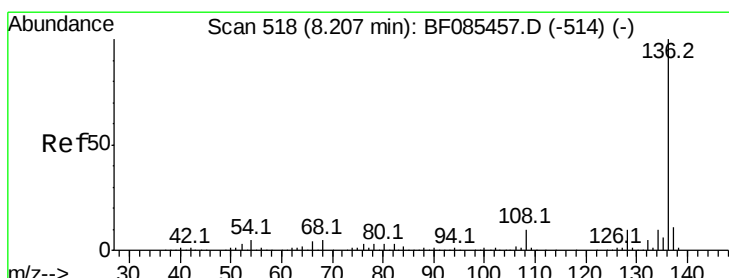
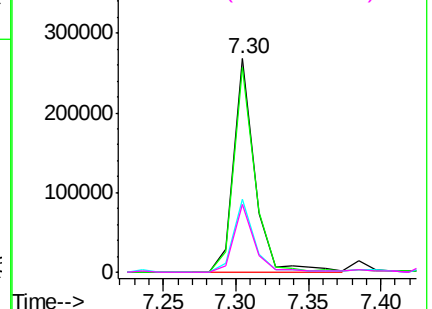
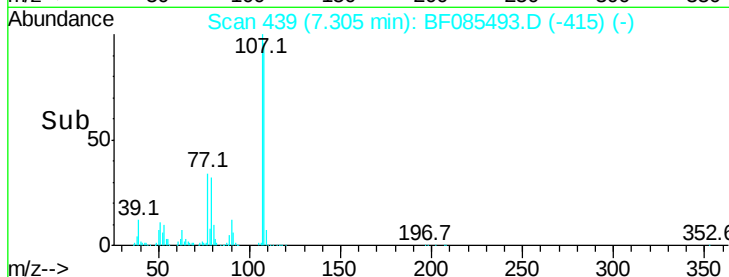
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 517

Delta R.T. -0.01 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

Tgt Ion:136 Resp: 427298

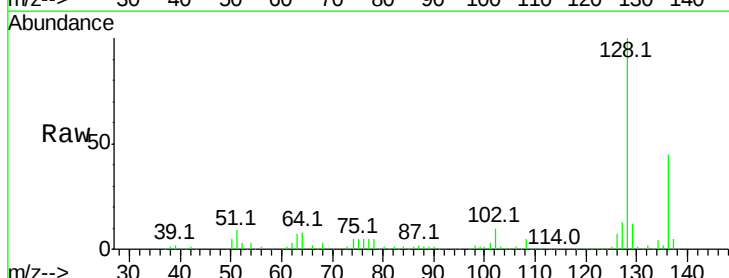
Ion Ratio Lower Upper

136 100

137 10.9 9.3 13.9

54 6.6 7.4 11.2#

68 5.9 6.0 9.0#



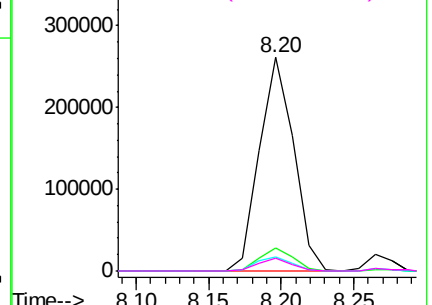
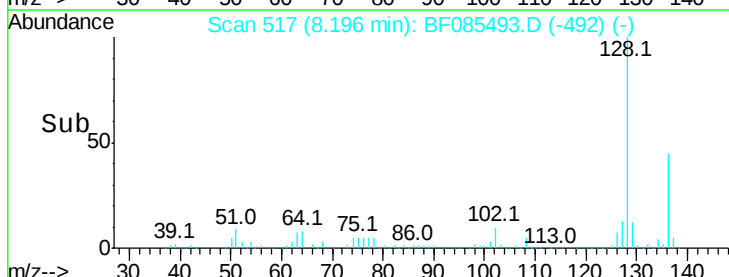
Abundance

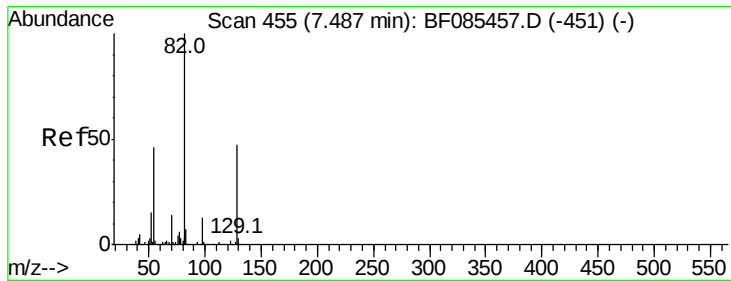
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 2.28 ng

RT: 7.46 min Scan# 453

Delta R.T. -0.02 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

Instrument :

BNA\_F

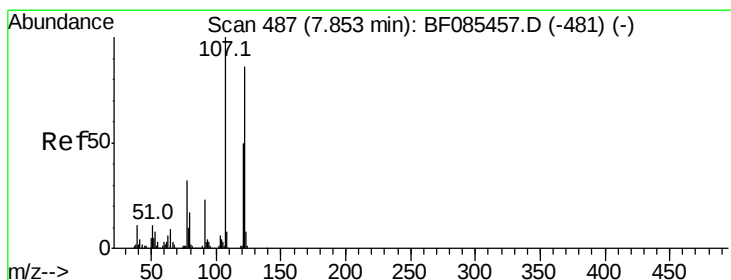
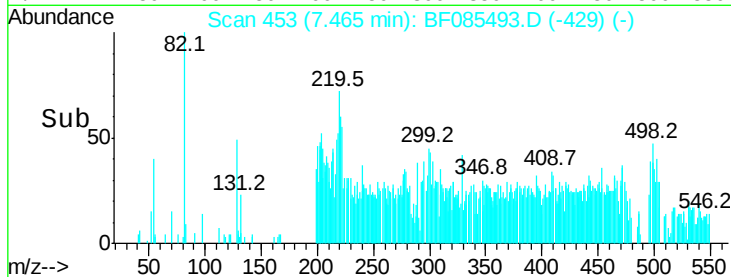
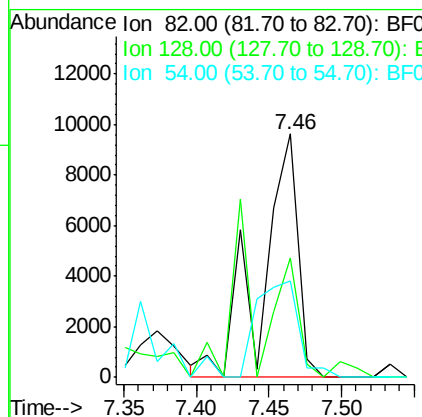
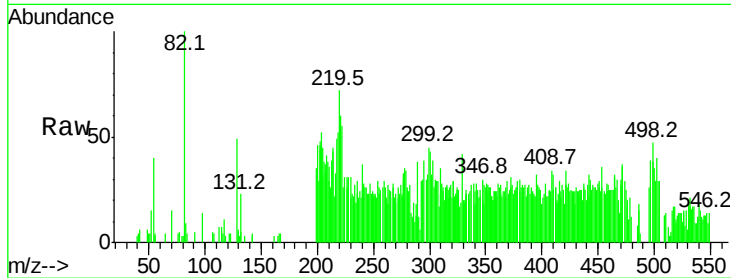
ClientSampleId :

AOU2-SB15(7-9)

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 82    | Resp: | 16512 |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 49.1  | 34.5  | 51.7  |
| 54        | 39.8  | 39.3  | 58.9  |

Manual Integrations  
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3/17/2016 5:20:40 PM



#27

2,4-Dimethylphenol

Concen: 6.77 ng

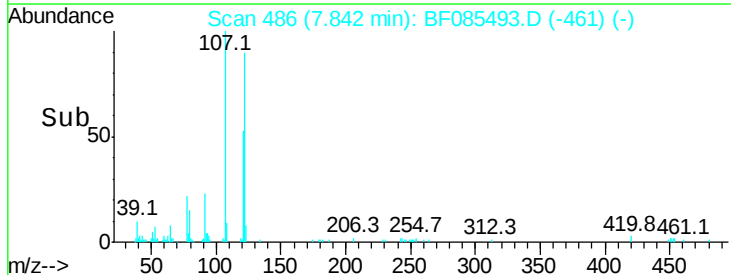
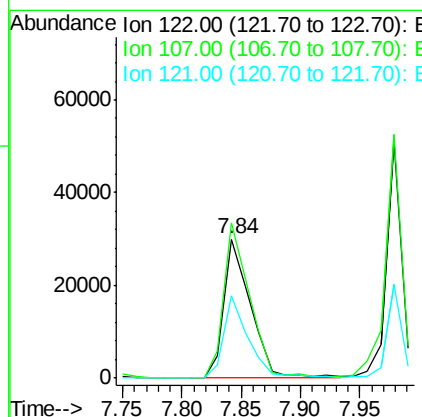
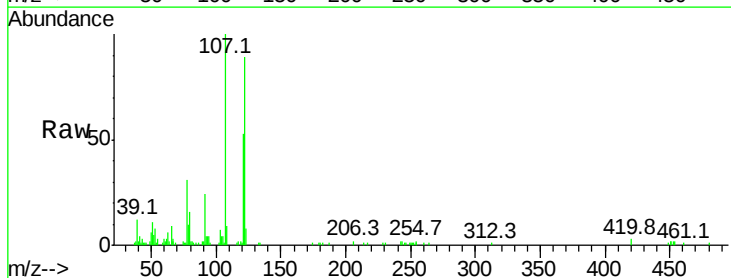
RT: 7.84 min Scan# 486

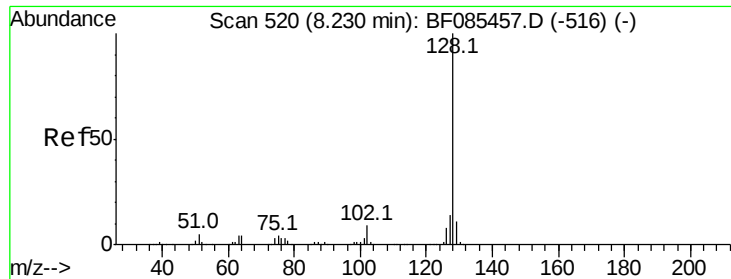
Delta R.T. -0.01 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 122   | Resp: | 46970 |
| Ion Ratio | Lower | Upper |       |
| 122       | 100   |       |       |
| 107       | 111.9 | 84.8  | 127.2 |
| 121       | 58.9  | 47.0  | 70.6  |





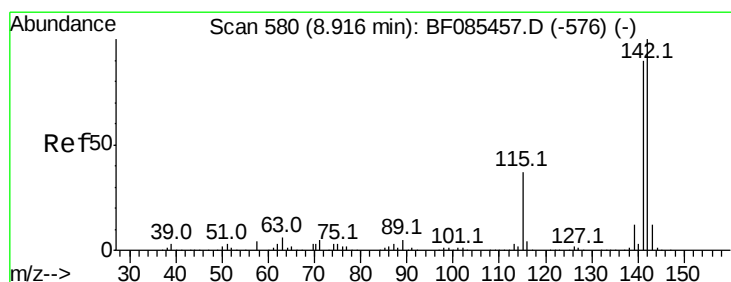
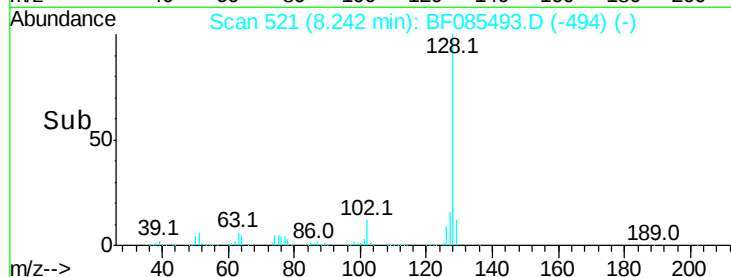
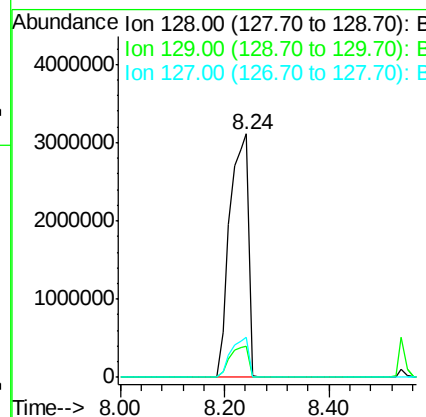
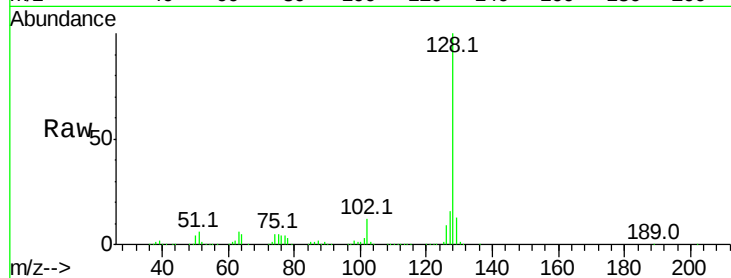
#31  
Naphthalene  
Concen: 372.62 ng  
RT: 8.24 min Scan# 521  
Delta R.T. 0.01 min  
Lab File: BF085493.D  
Acq: 17 Mar 2016 6:12

Instrument :  
BNA\_F  
ClientSampleId :  
AOU2-SB15(7-9)

Tot Ion:128 Resp: 7780097  
Ion Ratio Lower Upper  
128 100  
129 12.6 9.7 14.5  
127 16.2 11.2 16.8

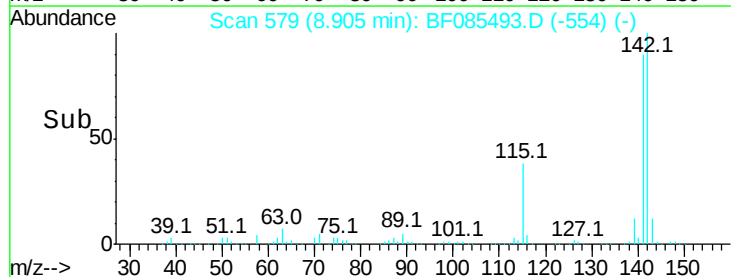
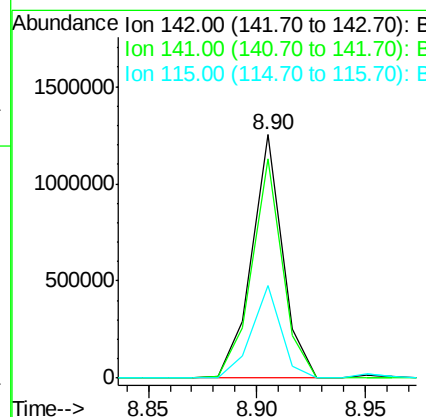
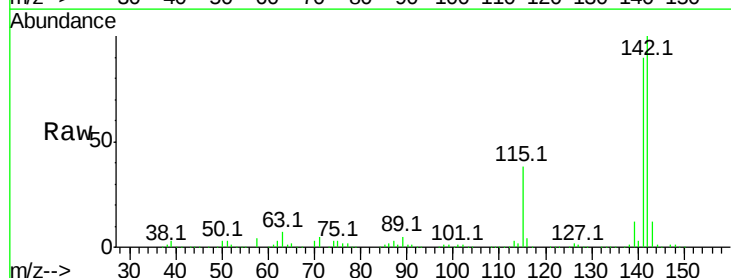
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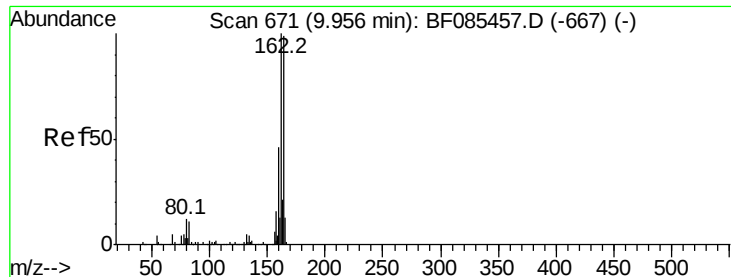
Sohil  
3/17/2016 5:20:40 PM



#37  
2-Methylnaphthalene  
Concen: 93.95 ng  
RT: 8.90 min Scan# 579  
Delta R.T. -0.01 min  
Lab File: BF085493.D  
Acq: 17 Mar 2016 6:12

Tgt Ion:142 Resp: 1242113  
Ion Ratio Lower Upper  
142 100  
141 90.1 71.7 107.5  
115 37.9 26.2 39.4





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

Instrument :

BNA\_F

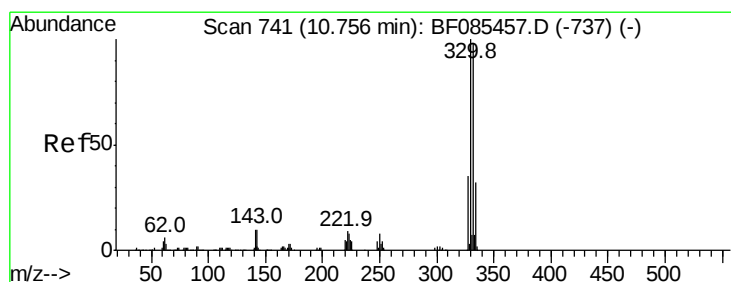
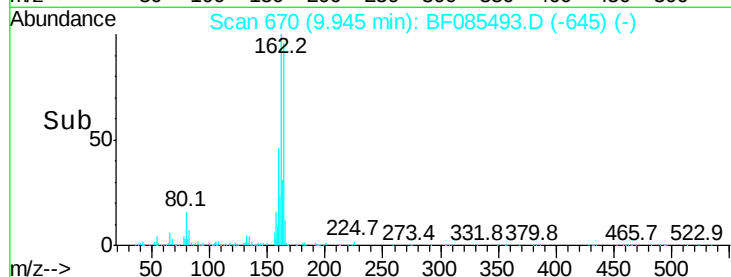
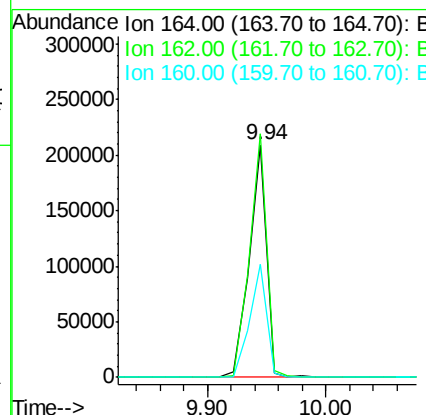
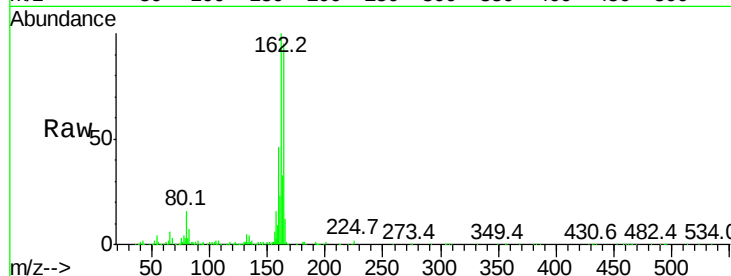
ClientSampleId :

AOU2-SB15(7-9)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 164   | Resp: | 213282 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 104.8 | 83.3  | 124.9  |
| 160       | 48.4  | 37.9  | 56.9   |

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#41

2,4,6-Tribromophenol

Concen: 1.44 ng

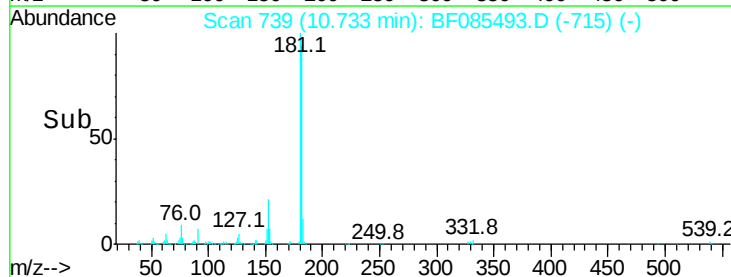
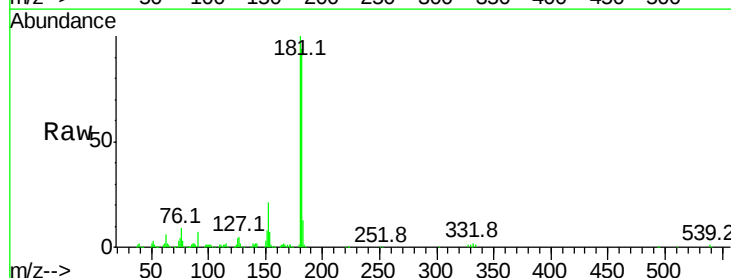
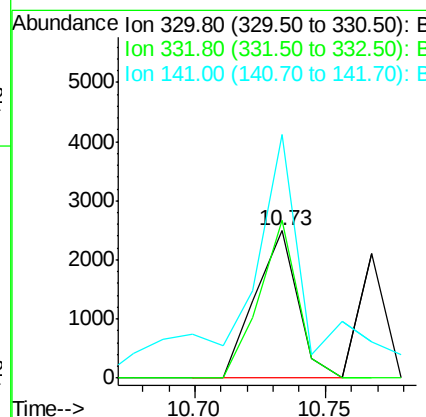
RT: 10.73 min Scan# 739

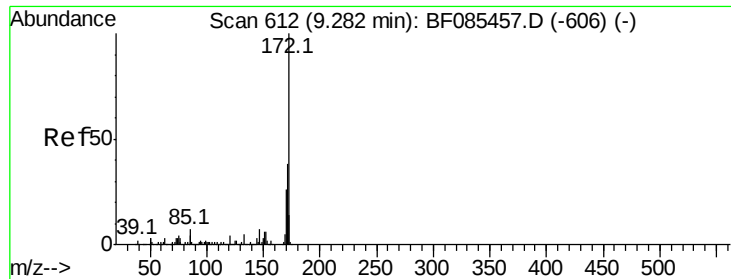
Delta R.T. -0.02 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 2832  |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 97.6  | 77.1  | 115.7 |
| 141       | 249.5 | 35.0  | 52.6# |





#44

2-Fluorobiphenyl

Concen: 2.07 ng

RT: 9.26 min Scan# 610

Delta R.T. -0.02 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

Instrument :

BNA\_F

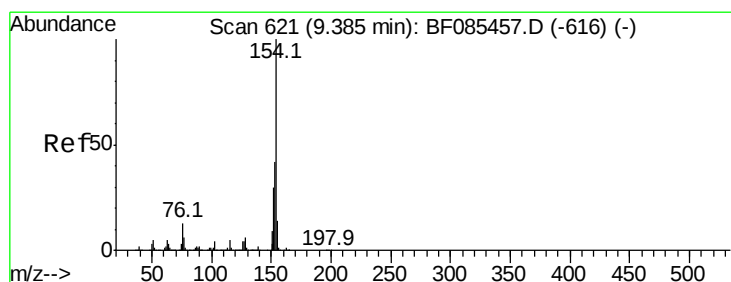
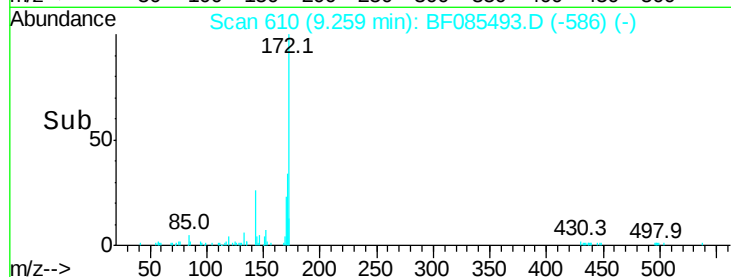
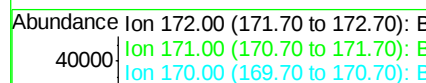
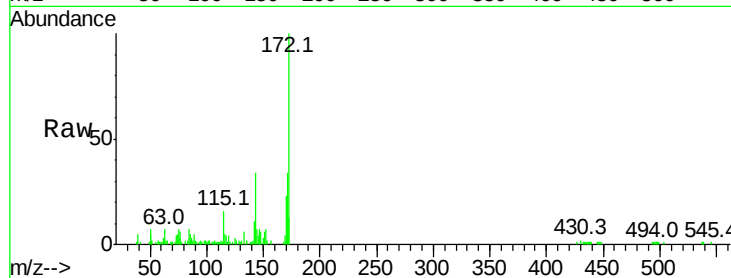
ClientSampleId :

AOU2-SB15(7-9)

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 172   | Resp: | 25485 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 34.2  | 29.3  | 43.9  |
| 170       | 22.9  | 20.0  | 30.0  |

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#45

1,1'-Biphenyl

Concen: 27.68 ng

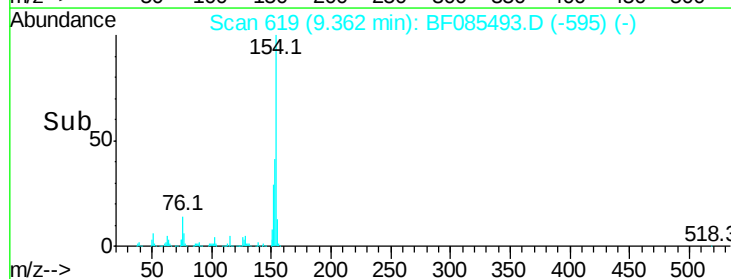
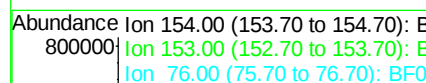
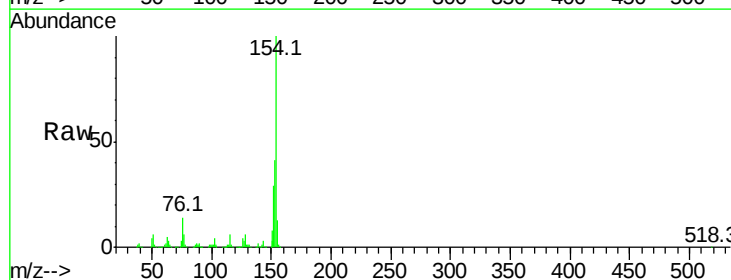
RT: 9.36 min Scan# 619

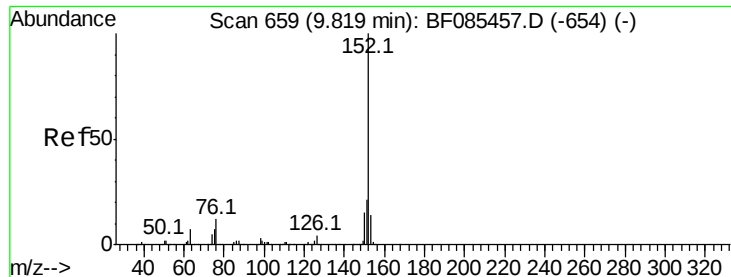
Delta R.T. -0.02 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 481811 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 40.5  | 21.4  | 61.4   |
| 76        | 14.1  | 0.0   | 37.5   |





#48

Acenaphthylene

Concen: 53.33 ng

RT: 9.81 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

Instrument :

BNA\_F

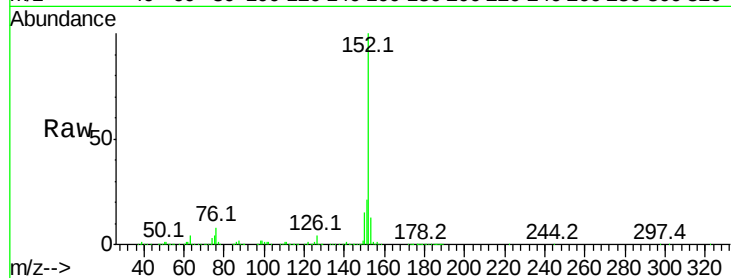
ClientSampleId :

AOU2-SB15(7-9)

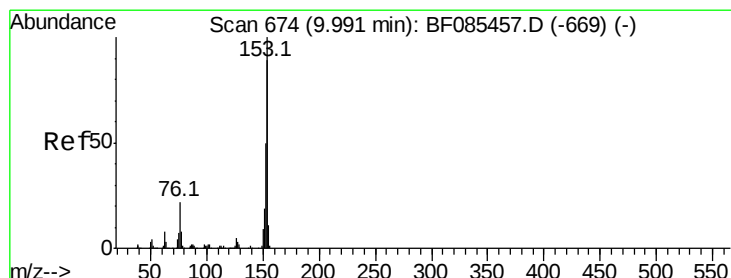
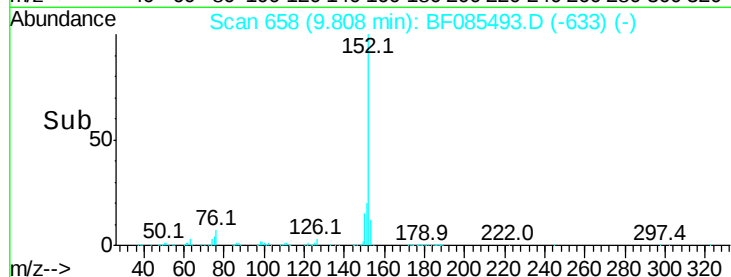
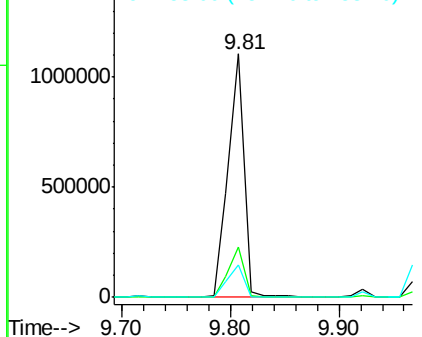
|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 152   | Resp: | 1125414 |
| Ion Ratio | Lower | Upper |         |
| 152       | 100   |       |         |
| 151       | 20.6  | 17.5  | 26.3    |
| 153       | 13.3  | 11.3  | 16.9    |

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Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E



#51

Acenaphthene

Concen: 14.34 ng

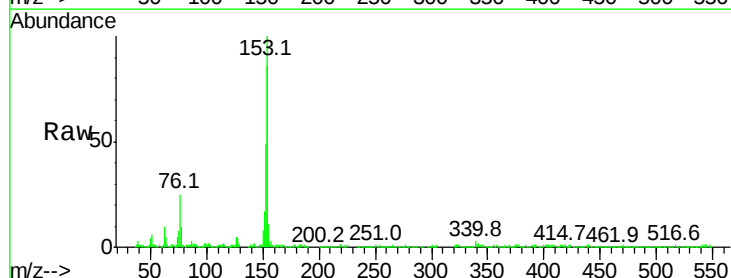
RT: 9.97 min Scan# 672

Delta R.T. -0.02 min

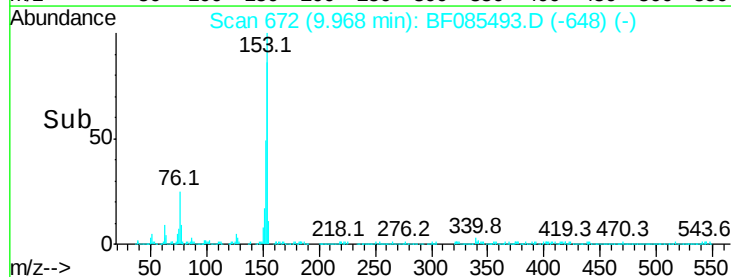
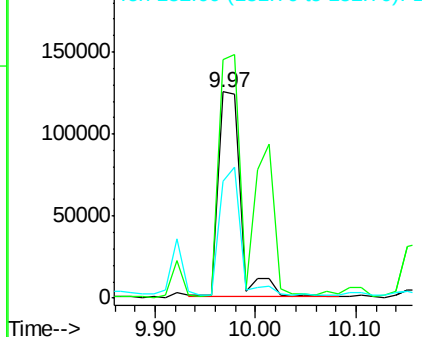
Lab File: BF085493.D

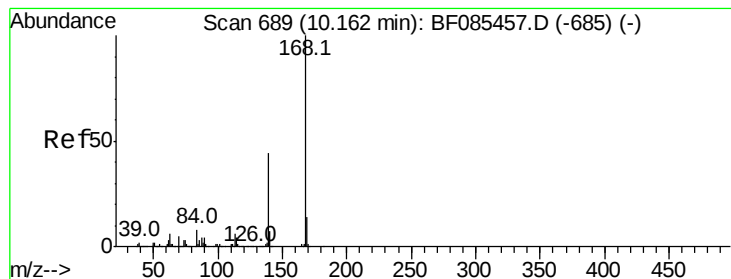
Acq: 17 Mar 2016 6:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 190220 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 115.7 | 89.8  | 134.8  |
| 152       | 56.5  | 44.6  | 66.8   |



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

Dibenzenofuran

Concen: 87.73 ng

RT: 10.15 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

Instrument :

BNA\_F

ClientSampleId :

AOU2-SB15(7-9)

Tot Ion:168 Resp: 1429852

Ion Ratio Lower Upper

168 100

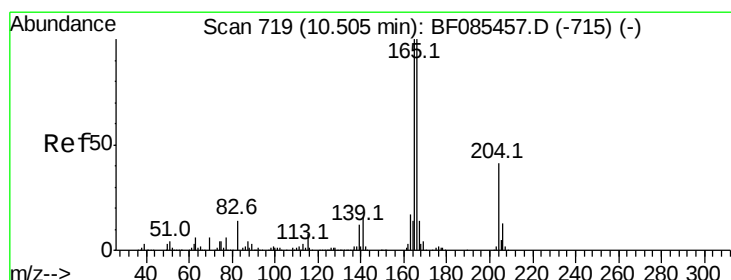
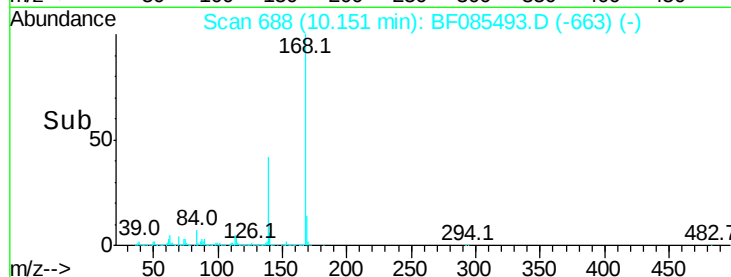
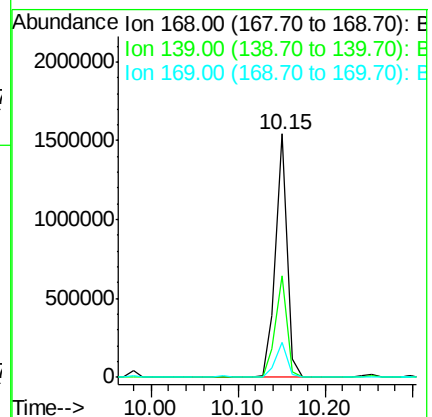
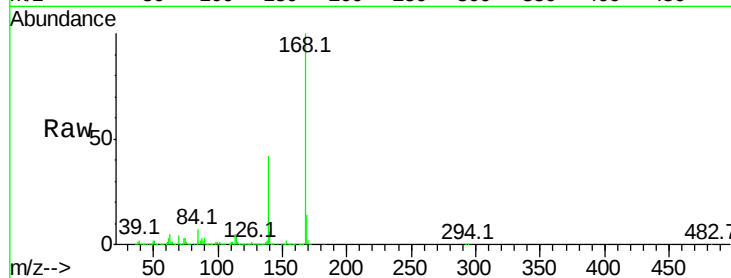
139 41.6 33.6 50.4

169 14.2 11.2 16.8

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#57

Fluorene

Concen: 96.62 ng

RT: 10.49 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

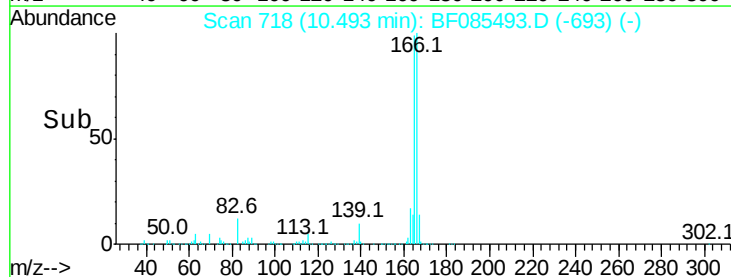
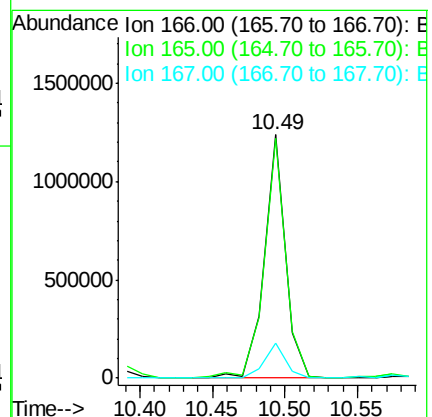
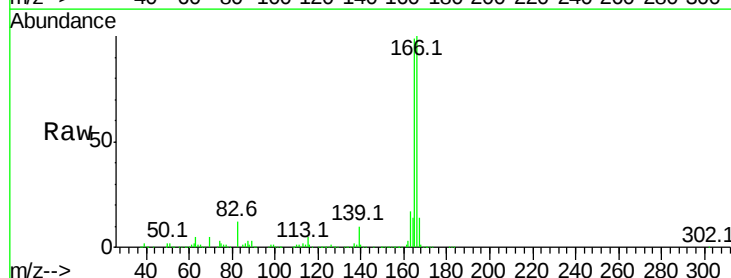
Tgt Ion:166 Resp: 1255726

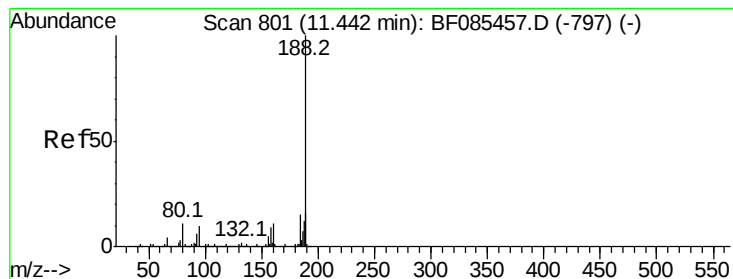
Ion Ratio Lower Upper

166 100

165 98.7 79.4 119.0

167 14.4 11.0 16.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.43 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

Instrument :

BNA\_F

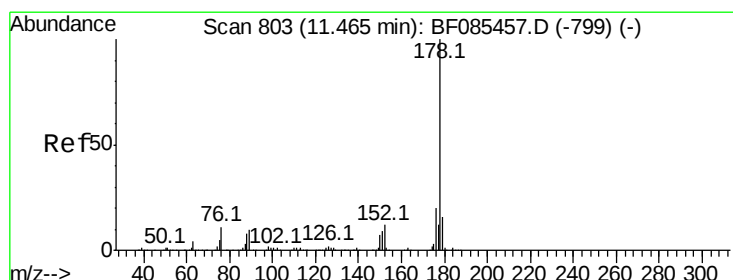
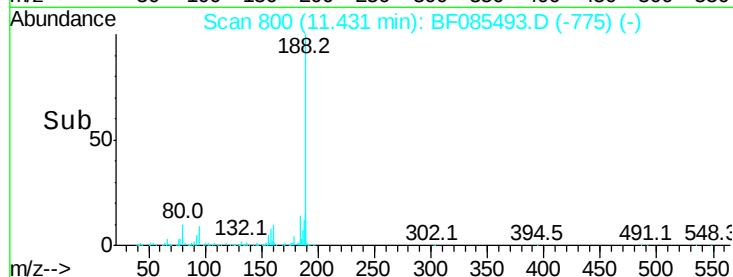
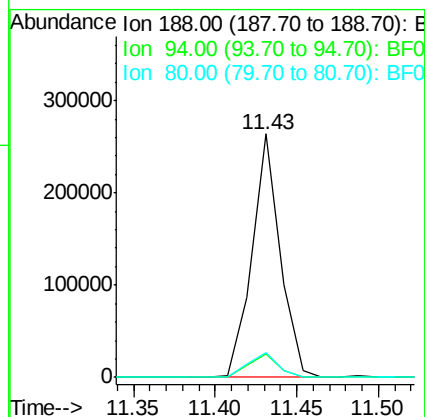
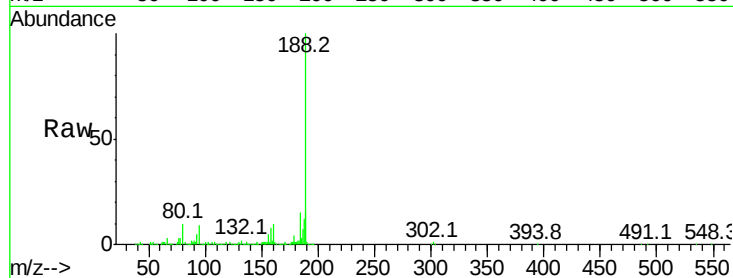
ClientSampleId :

AOU2-SB15(7-9)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 188   | Resp: | 315710 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 9.4   | 7.0   | 10.6   |
| 80        | 10.0  | 7.4   | 11.0   |

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#70

Phenanthrene

Concen: 214.16 ng

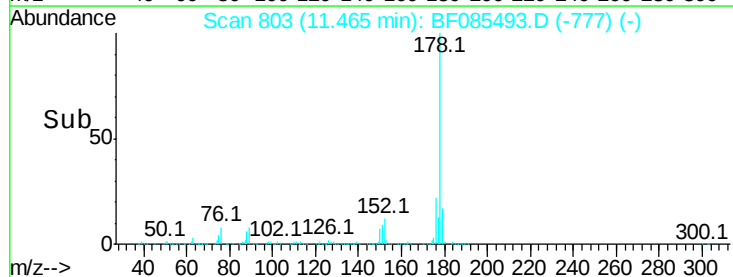
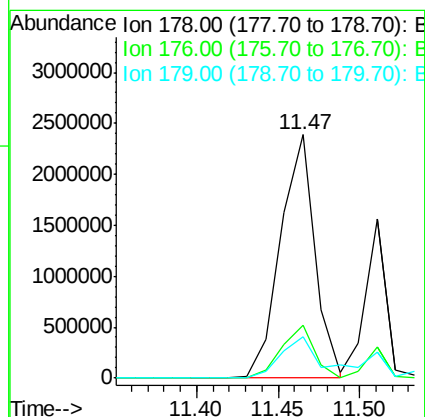
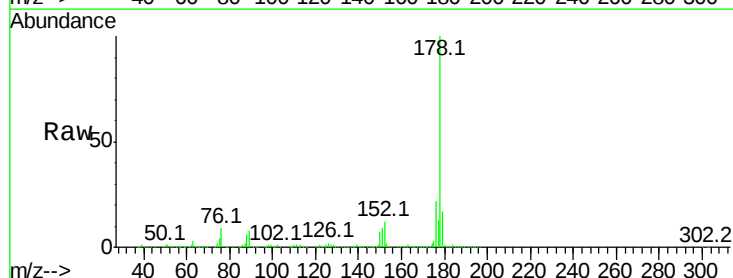
RT: 11.47 min Scan# 803

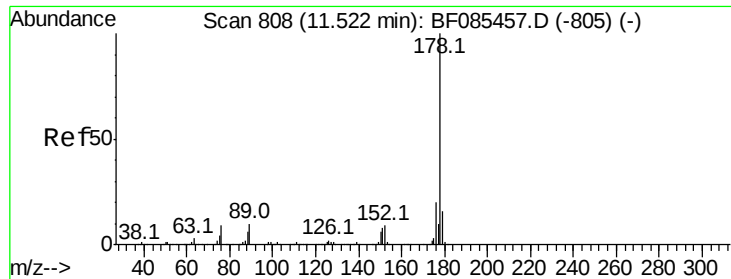
Delta R.T. 0.00 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 178   | Resp: | 3521676 |
| Ion Ratio | Lower | Upper |         |
| 178       | 100   |       |         |
| 176       | 21.9  | 16.8  | 25.2    |
| 179       | 17.1  | 13.1  | 19.7    |





#71

Anthracene

Concen: 82.73 ng

RT: 11.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

Instrument :

BNA\_F

ClientSampleId :

AOU2-SB15(7-9)

Tot Ion:178 Resp: 1385655

Ion Ratio Lower Upper

178 100

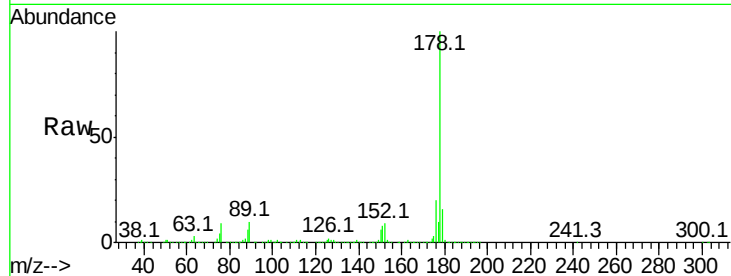
176 19.9 15.9 23.9

179 16.1 12.5 18.7

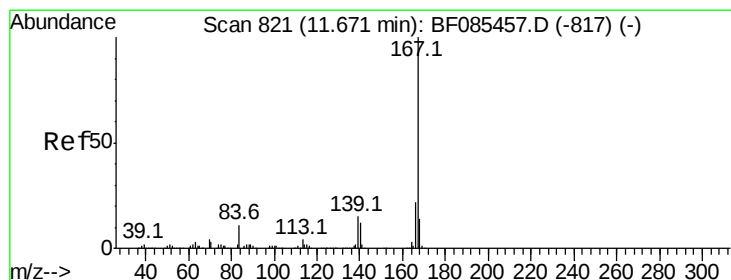
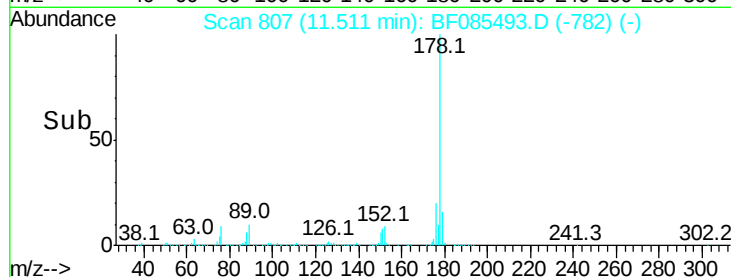
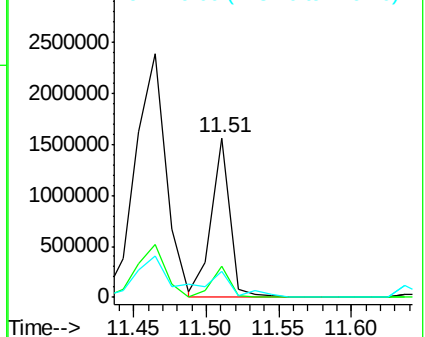
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Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 51.74 ng

RT: 11.66 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

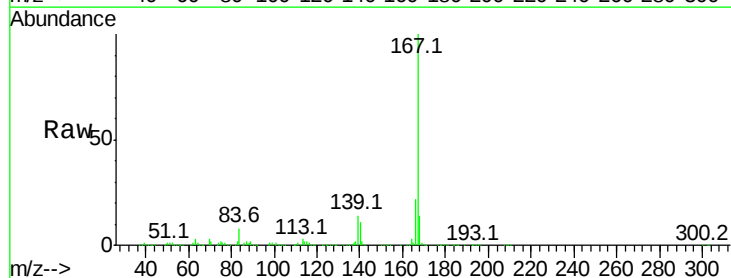
Tgt Ion:167 Resp: 733307

Ion Ratio Lower Upper

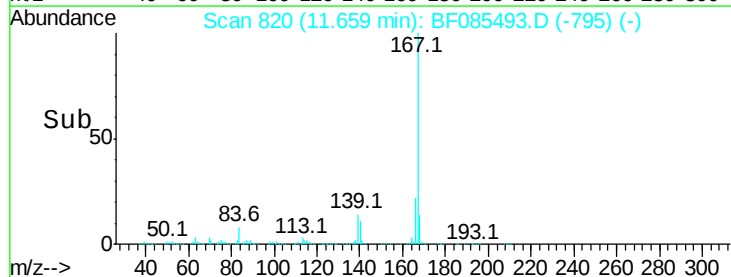
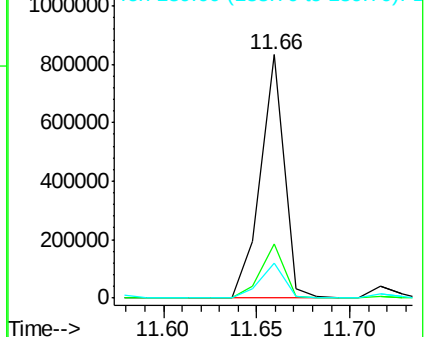
167 100

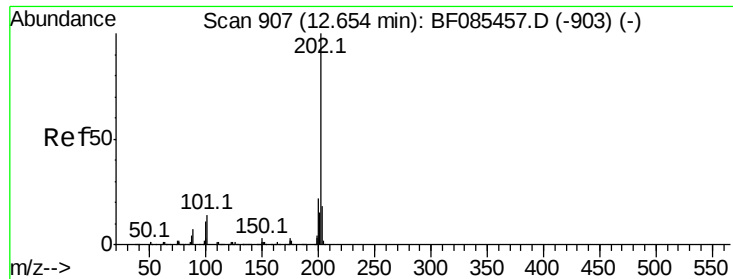
166 22.1 18.2 27.2

139 14.2 11.4 17.0



Abundance Ion 167.00 (166.70 to 167.70): E  
Ion 166.00 (165.70 to 166.70): E  
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 179.15 ng

RT: 12.65 min Scan# 907

Delta R.T. 0.00 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

Instrument :

BNA\_F

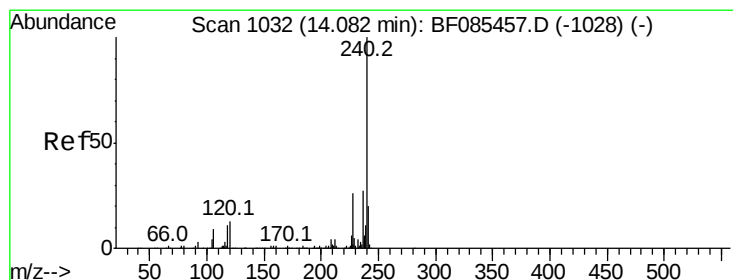
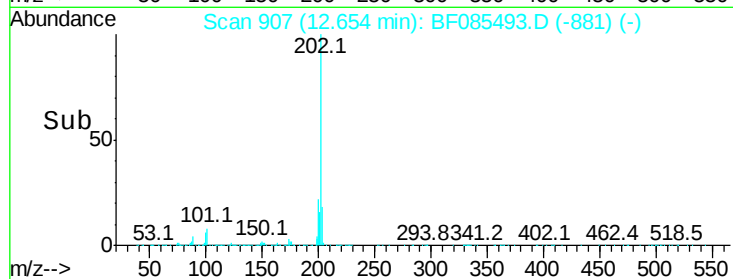
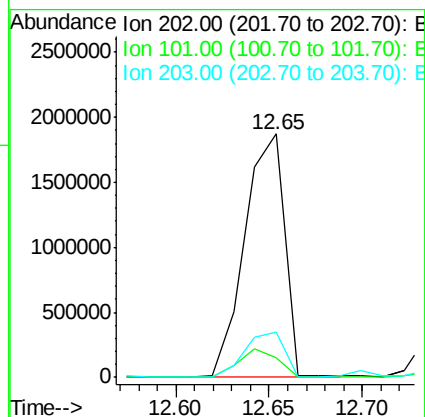
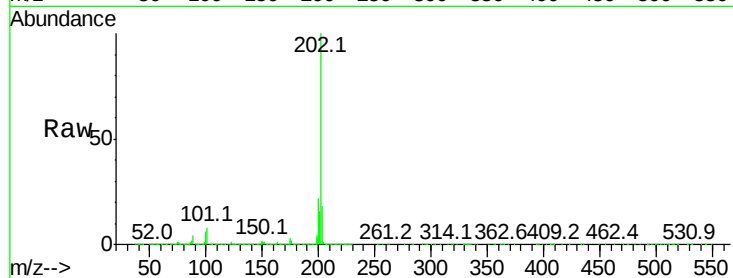
ClientSampleId :

AOU2-SB15(7-9)

|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 202   | Resp: | 2769155 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 101       | 7.9   | 0.0   | 31.8    |
| 203       | 18.3  | 0.0   | 38.4    |

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3/17/2016 5:20:40 PM



#75

Chrysene-d12

Concen: 20.00 ng

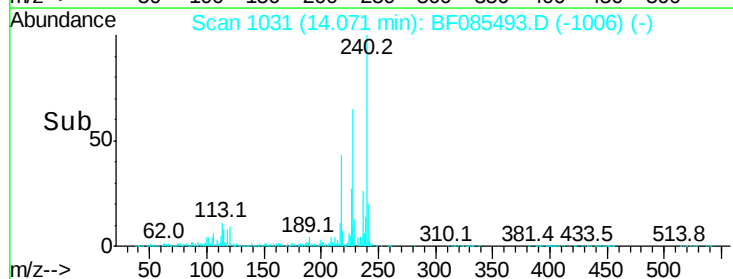
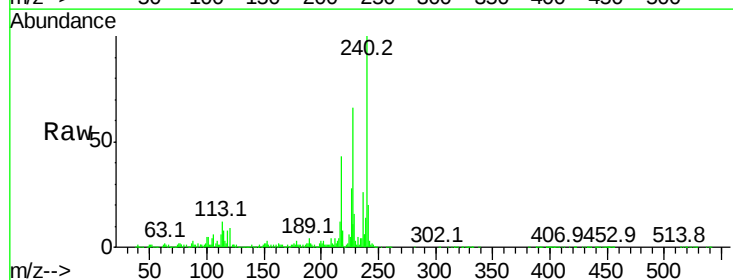
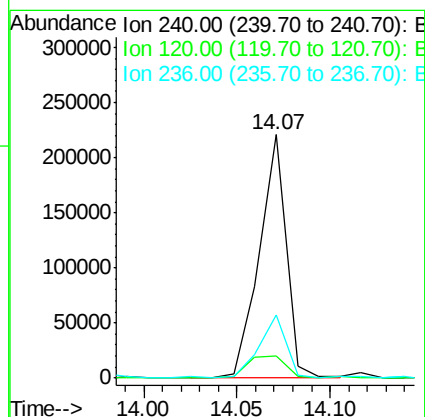
RT: 14.07 min Scan# 1031

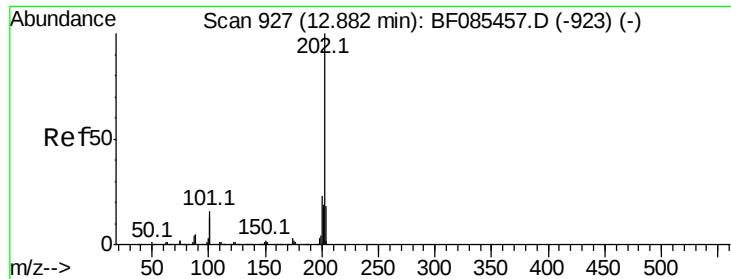
Delta R.T. -0.01 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 218632 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 9.1   | 5.3   | 7.9#   |
| 236       | 26.0  | 20.7  | 31.1   |





#77

Pvrene

Concen: 122.68 ng

RT: 12.87 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

Instrument :

BNA\_F

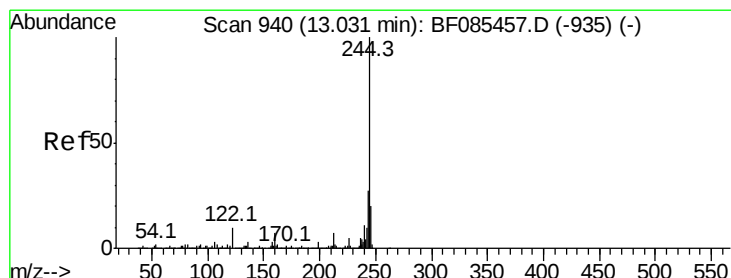
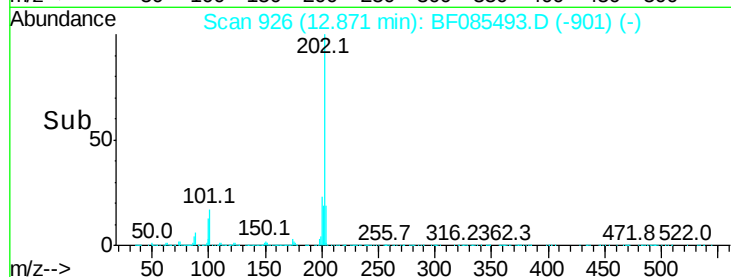
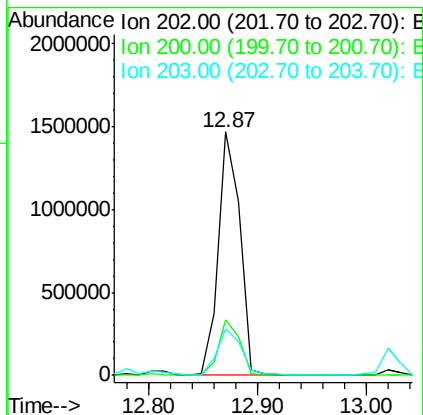
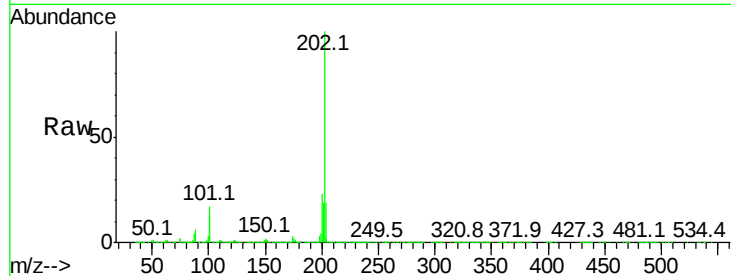
ClientSampleId :

AOU2-SB15(7-9)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.7  | 18.2  | 27.4  |
| 203     | 19.3  | 14.7  | 22.1  |

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#78

Terphenyl-d14

Concen: 1.69 ng

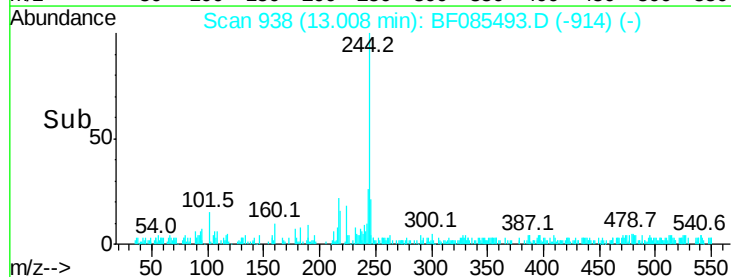
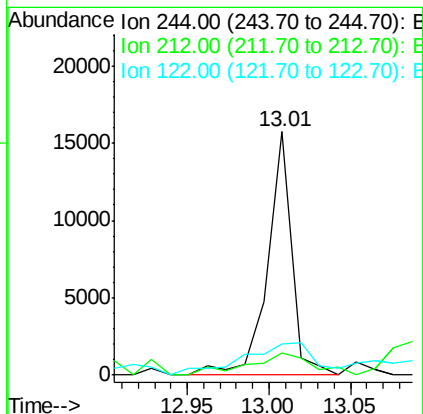
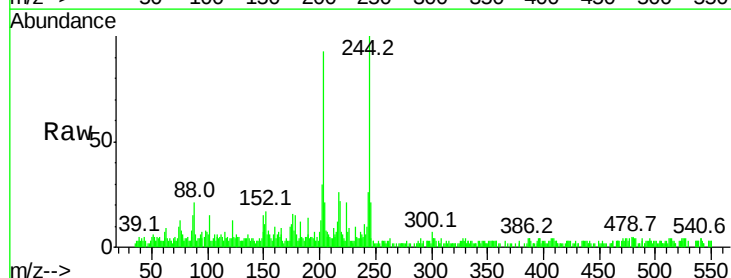
RT: 13.01 min Scan# 938

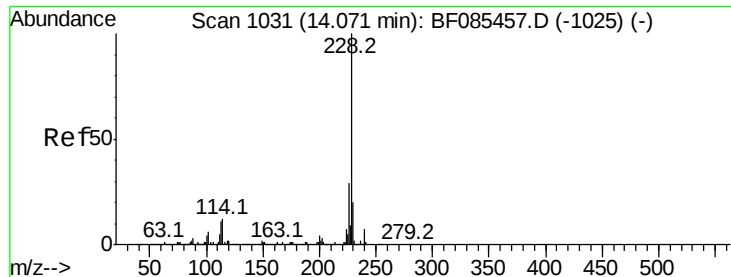
Delta R.T. -0.02 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.9   | 6.4   | 9.6   |
| 122     | 12.6  | 11.4  | 17.2  |





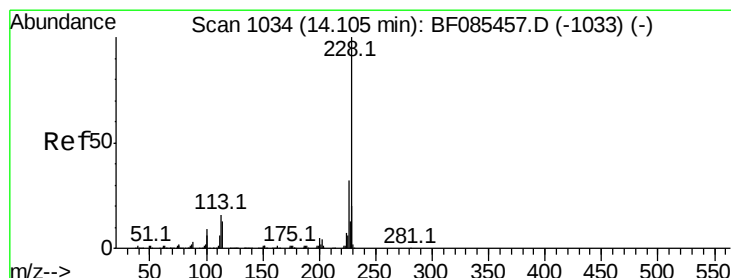
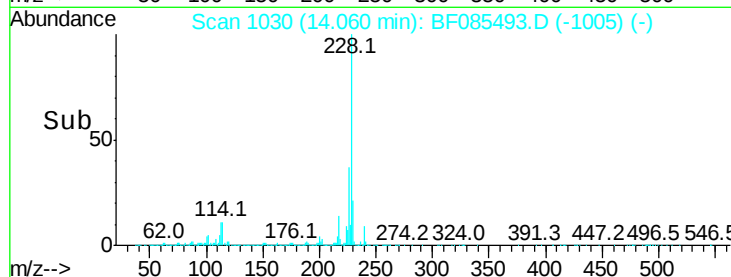
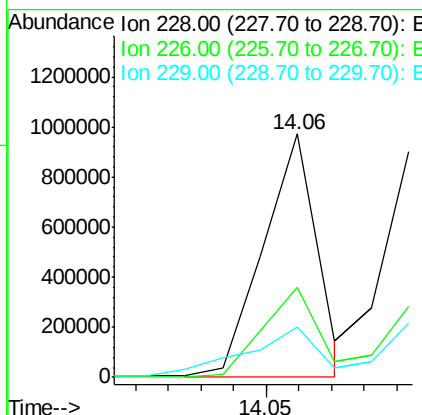
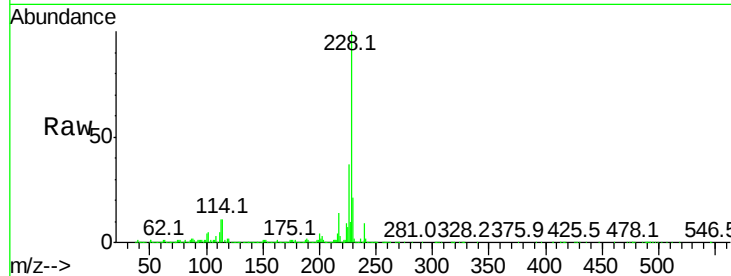
#80  
Benzo(a)anthracene  
Concen: 89.57 ng m  
RT: 14.06 min Scan# 1030  
Delta R.T. -0.01 min  
Lab File: BF085493.D  
Acq: 17 Mar 2016 6:12

Instrument :  
BNA\_F  
ClientSampleId :  
AOU2-SB15(7-9)

Tot Ion:228 Resp: 1122776  
Ion Ratio Lower Upper  
228 100  
226 36.7 22.8 34.2#  
229 20.9 16.6 24.8

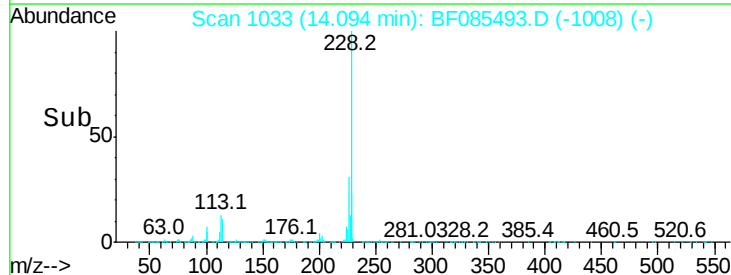
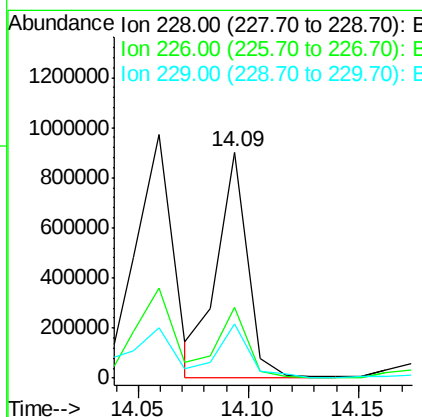
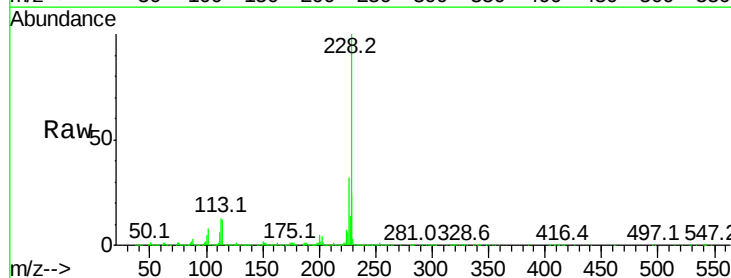
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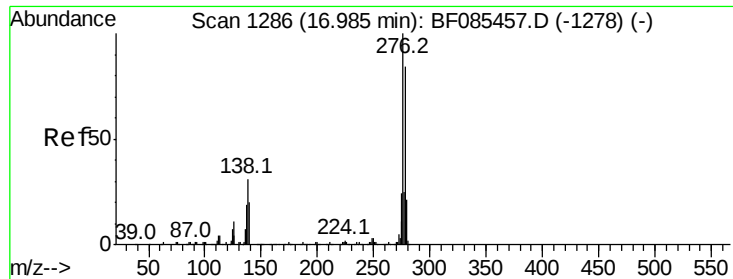
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#82  
Chrysene  
Concen: 78.12 ng m  
RT: 14.09 min Scan# 1033  
Delta R.T. -0.01 min  
Lab File: BF085493.D  
Acq: 17 Mar 2016 6:12

Tgt Ion:228 Resp: 880835  
Ion Ratio Lower Upper  
228 100  
226 31.5 25.2 37.8  
229 23.7 16.0 24.0





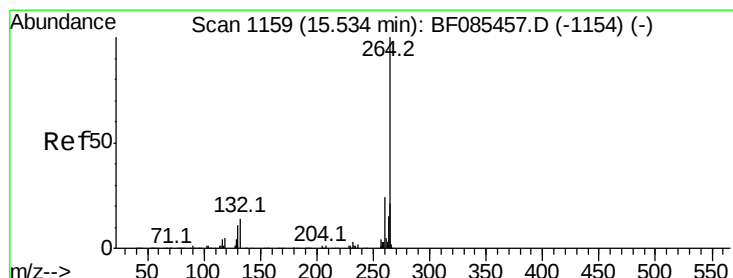
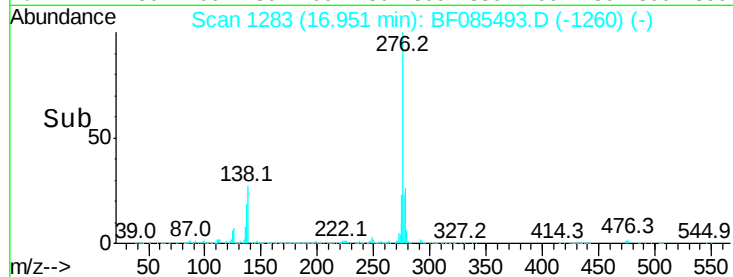
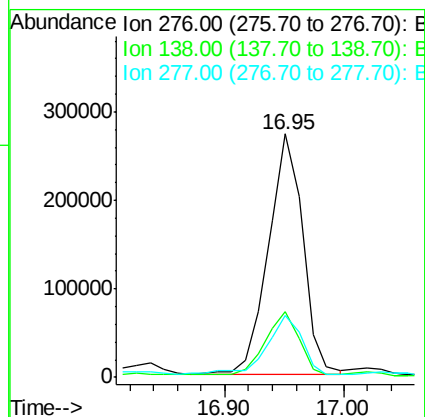
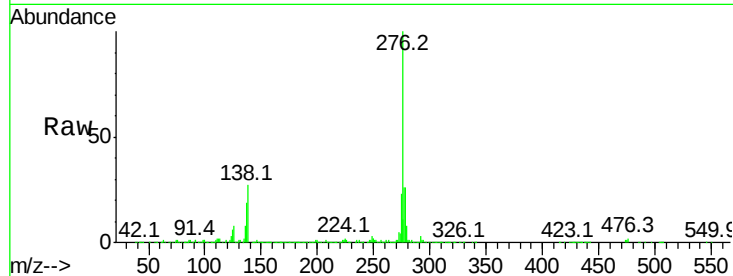
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 50.84 ng  
RT: 16.95 min Scan# 1283  
Delta R.T. -0.03 min  
Lab File: BF085493.D  
Acq: 17 Mar 2016 6:12

Instrument :  
BNA\_F  
ClientSampleId :  
AOU2-SB15(7-9)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 543439 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 27.6  | 26.4  | 39.6   |
| 277       | 26.1  | 20.2  | 30.2   |

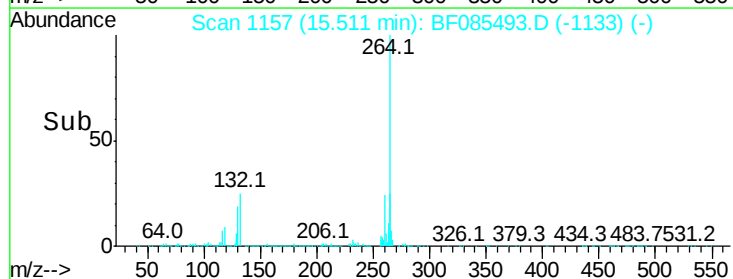
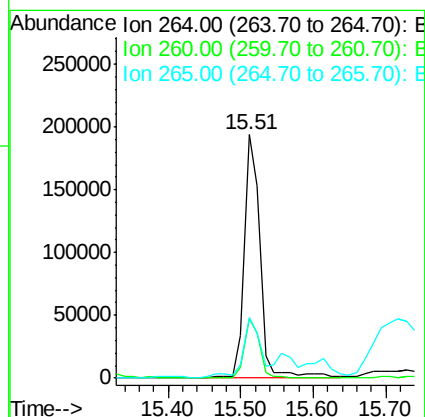
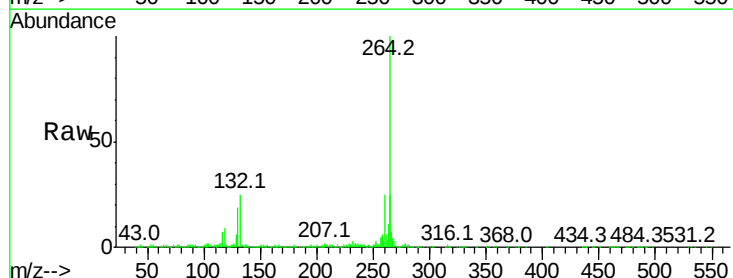
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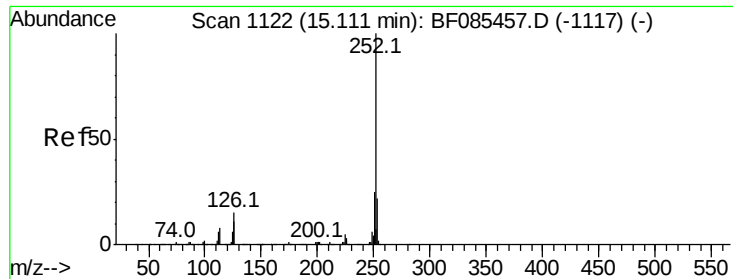
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#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.51 min Scan# 1157  
Delta R.T. -0.02 min  
Lab File: BF085493.D  
Acq: 17 Mar 2016 6:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 291659 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.6  | 19.2  | 28.8   |
| 265       | 24.9  | 17.3  | 25.9   |





#87

Benzo(b)fluoranthene

Concen: 59.80 ng m

RT: 15.10 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

Instrument :

BNA\_F

ClientSampleId :

AOU2-SB15(7-9)

Tot Ion:252 Resp: 1138965

Ion Ratio Lower Upper

252 100

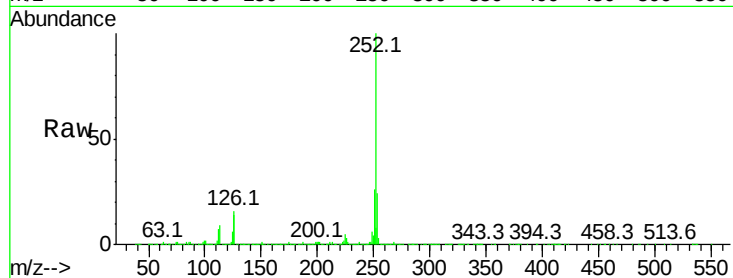
253 23.6 17.8 26.6

125 14.1 11.3 16.9

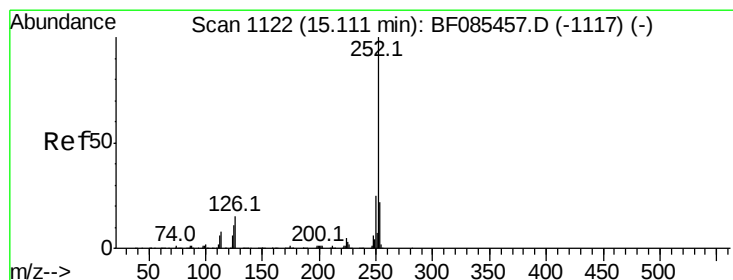
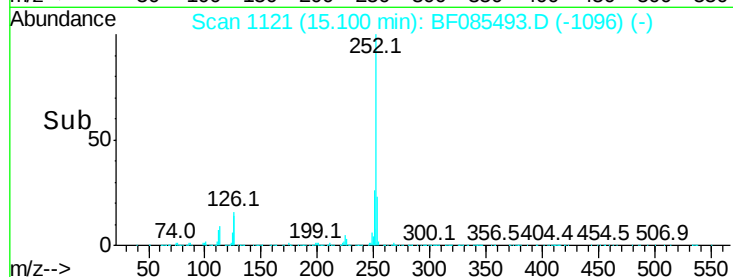
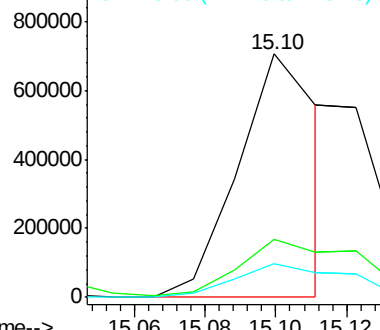
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Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 34.52 ng m

RT: 15.11 min Scan# 1122

Delta R.T. -0.03 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

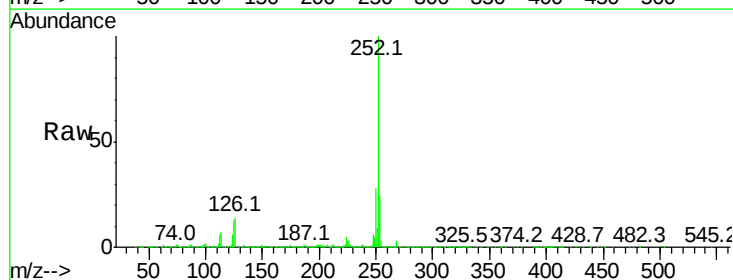
Tgt Ion:252 Resp: 515012

Ion Ratio Lower Upper

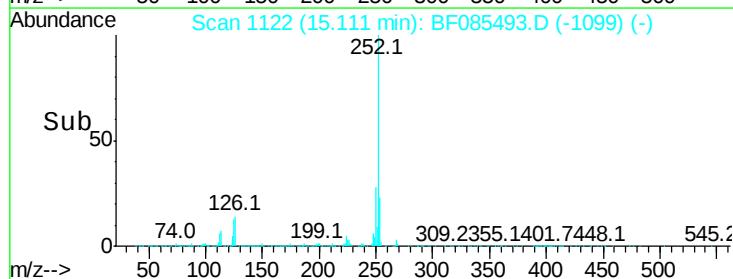
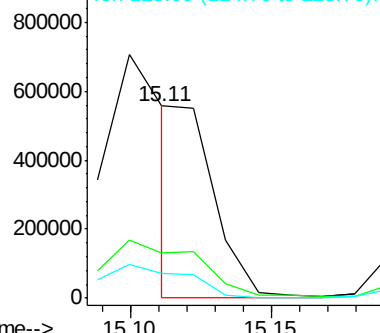
252 100

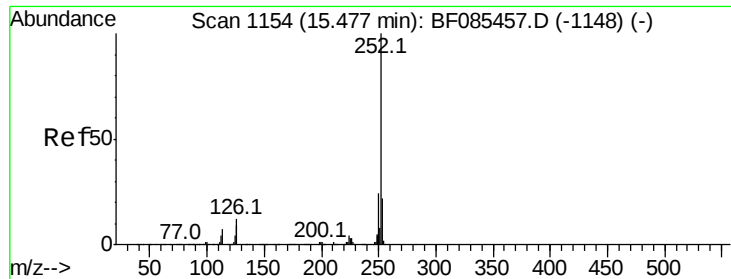
253 23.7 17.8 26.6

125 13.0 10.4 15.6



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





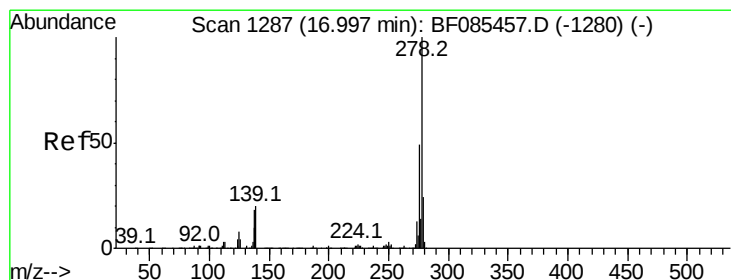
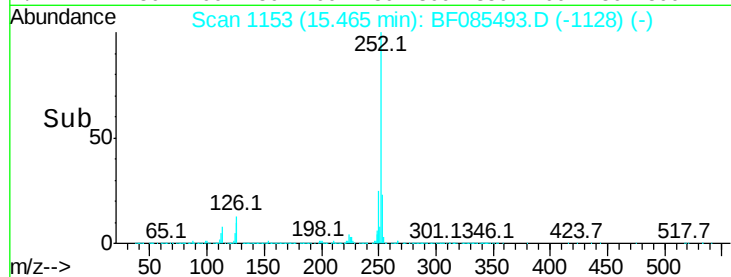
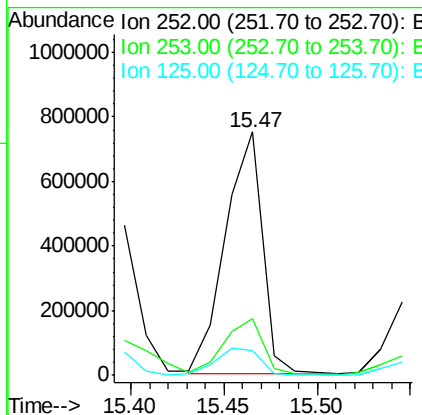
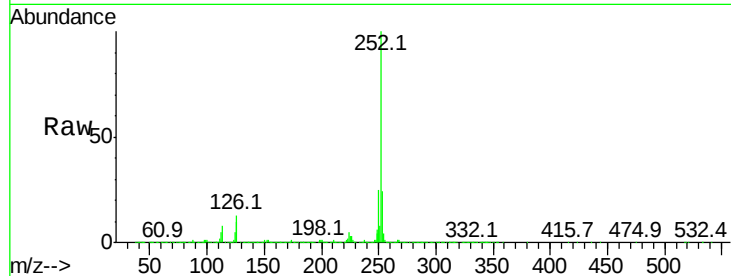
#89  
Benzo(a)pyrene  
Concen: 63.23 ng  
RT: 15.47 min Scan# 1153  
Delta R.T. -0.01 min  
Lab File: BF085493.D  
Acq: 17 Mar 2016 6:12

Instrument :  
BNA\_F  
ClientSampleId :  
AOU2-SB15(7-9)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.6  | 17.4  | 26.0  |
| 125     | 10.2  | 8.2   | 12.4  |

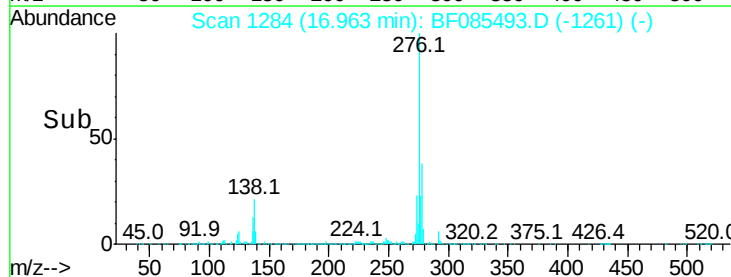
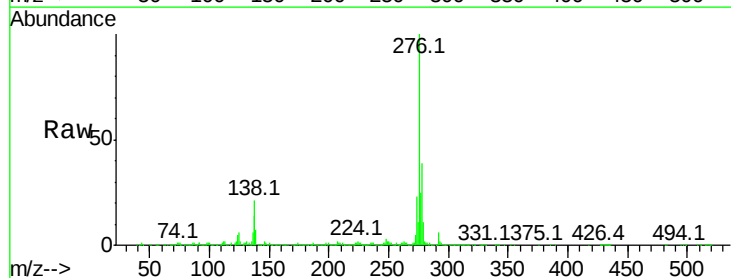
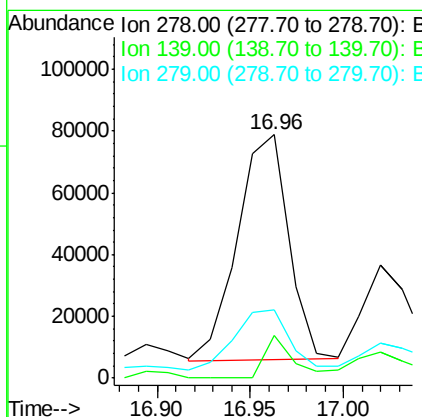
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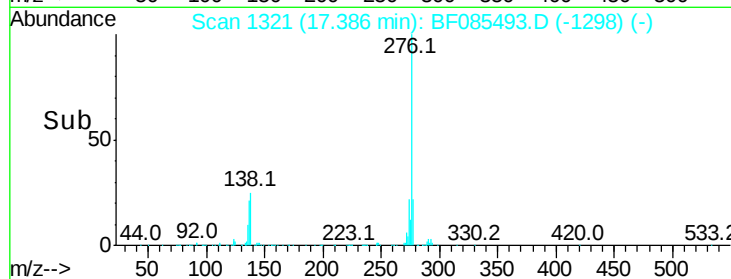
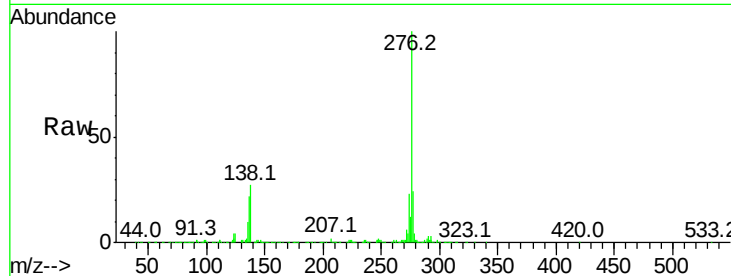
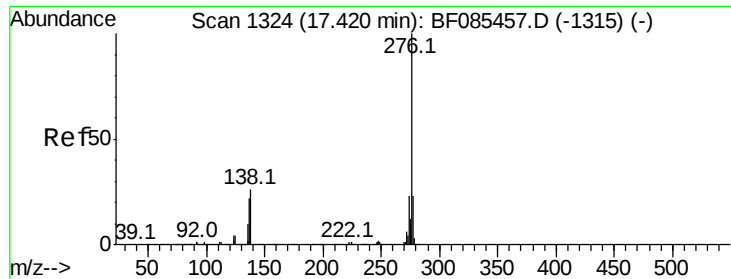
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#90  
Dibenzo(a,h)anthracene  
Concen: 8.66 ng  
RT: 16.96 min Scan# 1284  
Delta R.T. -0.03 min  
Lab File: BF085493.D  
Acq: 17 Mar 2016 6:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 17.3  | 17.3  | 25.9  |
| 279     | 28.2  | 19.2  | 28.8  |





#91

Benzo(a,h,i)perylene

Concen: 28.63 ng

RT: 17.39 min Scan# 1321

Delta R.T. -0.03 min

Lab File: BF085493.D

Acq: 17 Mar 2016 6:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 470105 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 24.4  | 19.0  | 28.4   |
| 138       | 27.4  | 22.5  | 33.7   |

Instrument :

BNA\_F

ClientSampleId :

AOU2-SB15(7-9)

Manual Integrations  
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