

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100117\  
 Data File : BF098994.D  
 Acq On : 1 Oct 2017 16:12  
 Operator : SJ/JU  
 Sample : I5563-08DL 250X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NYSEG-PH4-SB-ESMI-8DL

Manual Integrations  
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 10/2/2017 5:49:18 PM

Quant Time: Oct 02 07:37:22 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 23 13:50:58 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.90  | 152  | 134901   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 8.19  | 136  | 583396   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.94  | 164  | 276558   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.43 | 188  | 494183   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.07 | 240  | 314891   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.56 | 264  | 257588   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.52  | 112  | 4381     | 0.52   | ng    | -0.02    |
| 7) Phenol-d6                | 6.52  | 99   | 5480     | 0.52   | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 7.46  | 82   | 3683     | 0.40   | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 10.73 | 330  | 891      | 0.39   | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.26  | 172  | 7683     | 0.46   | ng    | -0.02    |
| 78) Terphenyl-d14           | 13.01 | 244  | 6741     | 0.49   | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       |          |
| 31) Naphthalene             | 8.20  | 128  | 383243   | 13.987 | ng    | 99       |
| 37) 2-Methylnaphthalene     | 8.90  | 142  | 148931   | 8.361  | ng    | 98       |
| 51) Acenaphthene            | 9.97  | 154  | 127575   | 7.372  | ng    | 99       |
| 54) Dibenzofuran            | 10.15 | 168  | 125526   | 5.448  | ng    | 100      |
| 57) Fluorene                | 10.49 | 166  | 136610   | 7.376  | ng    | 100      |
| 70) Phenanthrene            | 11.46 | 178  | 556121   | 21.024 | ng    | 99       |
| 71) Anthracene              | 11.50 | 178  | 246984   | 9.125  | ng    | 98       |
| 74) Fluoranthene            | 12.65 | 202  | 343732   | 12.833 | ng    | 97       |
| 77) Pyrene                  | 12.87 | 202  | 266242   | 11.088 | ng    | 99       |
| 80) Benzo(a)anthracene      | 14.06 | 228  | 105300   | 5.523  | ng    | 93       |
| 82) Chrysene                | 14.09 | 228  | 84497    | 4.655  | ng    | 97       |
| 87) Benzo(b)fluoranthene    | 15.12 | 252  | 67038m   | 4.233  | ng    |          |
| 89) Benzo(a)pyrene          | 15.49 | 252  | 57825    | 3.978  | ng    | # 96     |

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

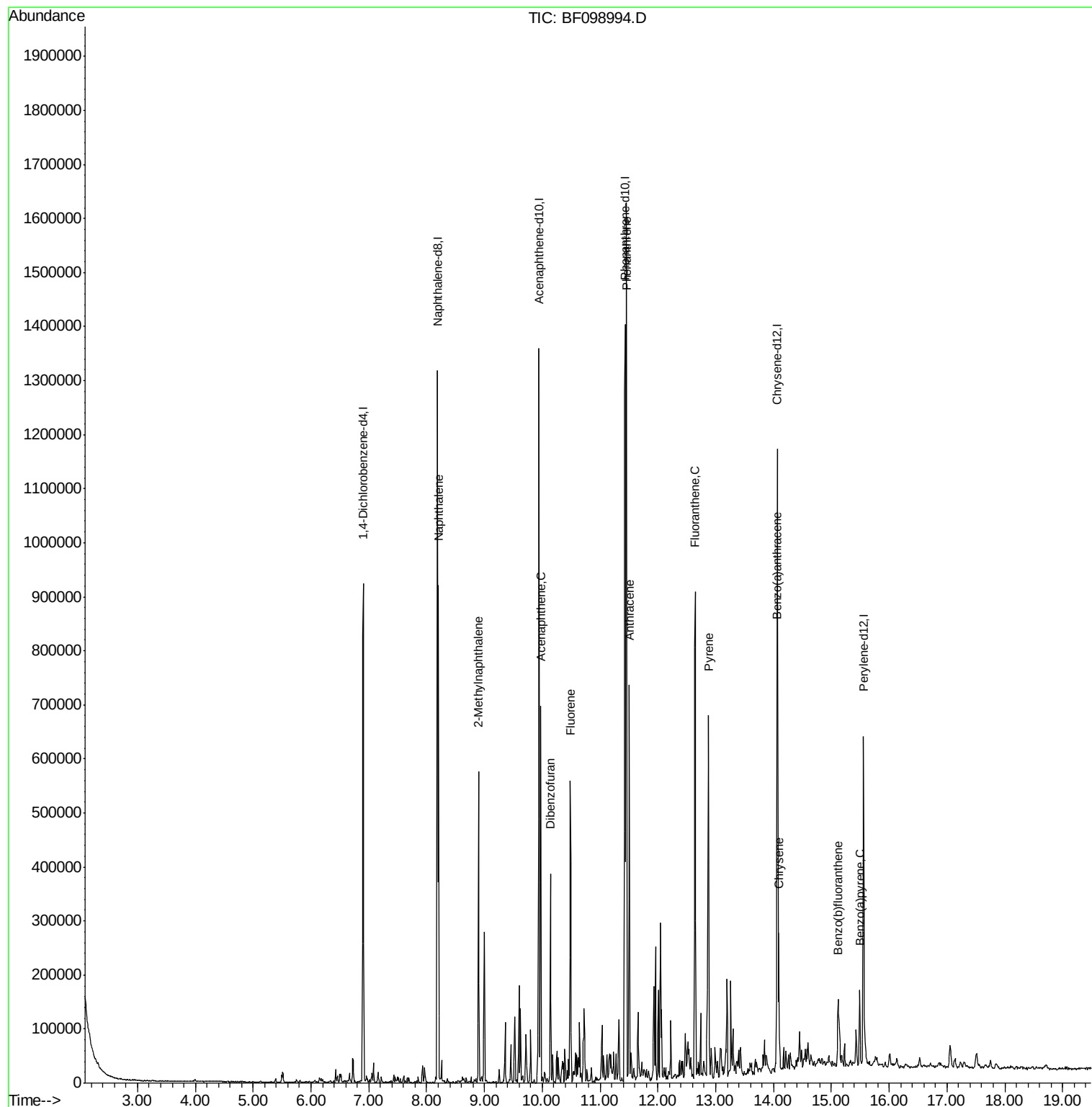
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100117\  
Data File : BF098994.D  
Acq On : 1 Oct 2017 16:12  
Operator : SJ/JU  
Sample : I5563-08DL 250X  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

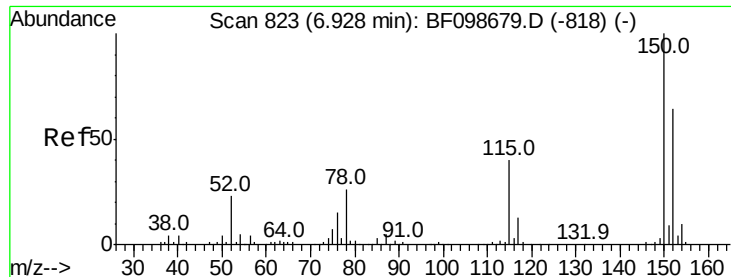
Instrument :  
BNA\_F  
ClientSampleId :  
NYSEG-PH4-SB-ESMI-8DL

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Quant Time: Oct 02 07:37:22 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Sep 23 13:50:58 2017  
Response via : Initial Calibration





#1

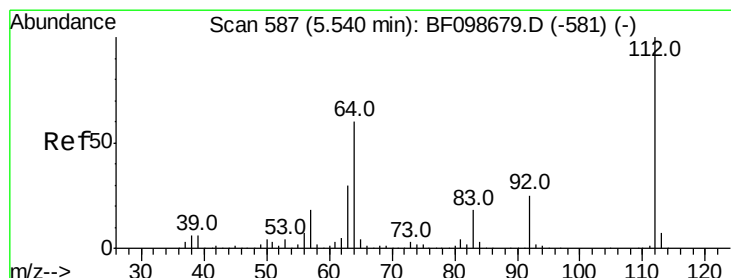
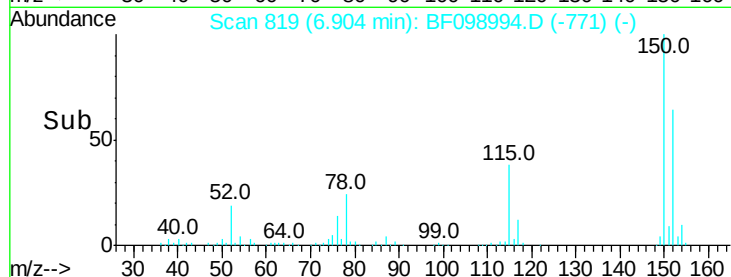
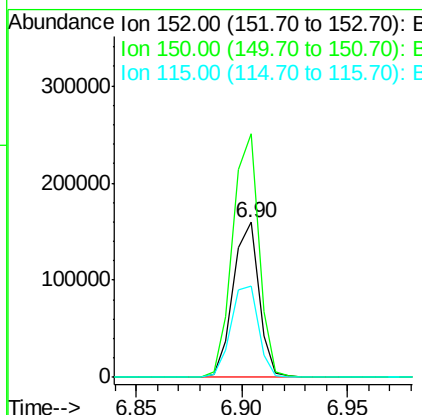
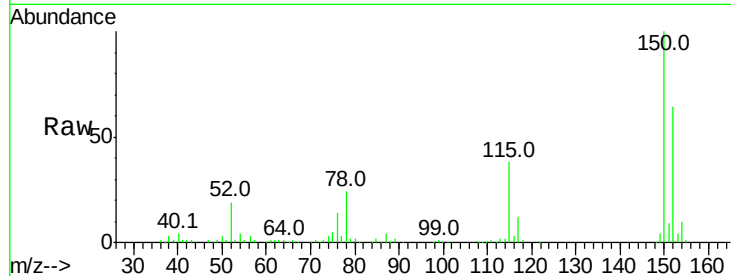
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.90 min Scan# 819  
Delta R.T. -0.02 min  
Lab File: BF098994.D  
Acq: 1 Oct 2017 16:12

Instrument :  
BNA\_F  
ClientSampleId :  
NYSEG-PH4-SB-ESMI-8DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.8 | 124.6 | 186.8 |
| 115     | 59.2  | 50.1  | 75.1  |

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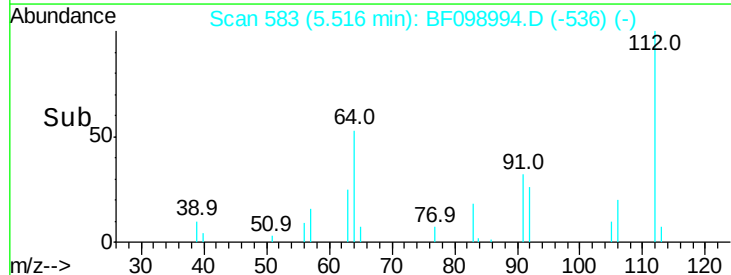
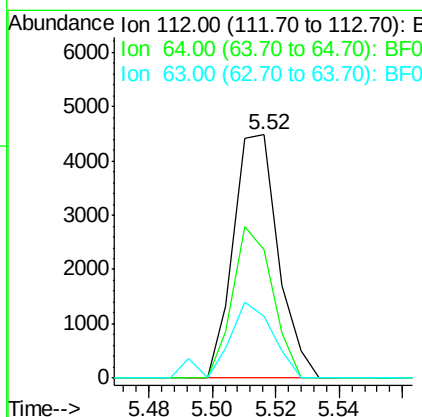
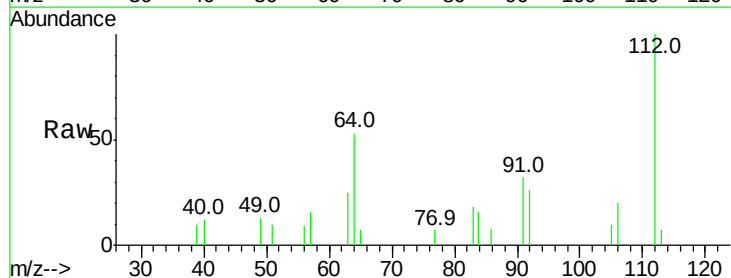
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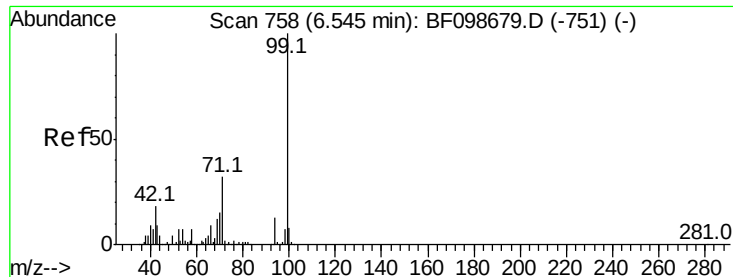


#5

2-Fluorophenol  
Concen: 0.517 ng  
RT: 5.52 min Scan# 583  
Delta R.T. -0.02 min  
Lab File: BF098994.D  
Acq: 1 Oct 2017 16:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 52.9  | 47.9  | 71.9  |
| 63      | 25.3  | 23.7  | 35.5  |





#7

Phenol-d6

Concen: 0.524 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.03 min

Lab File: BF098994.D

Acq: 1 Oct 2017 16:12

Instrument :

BNA\_F

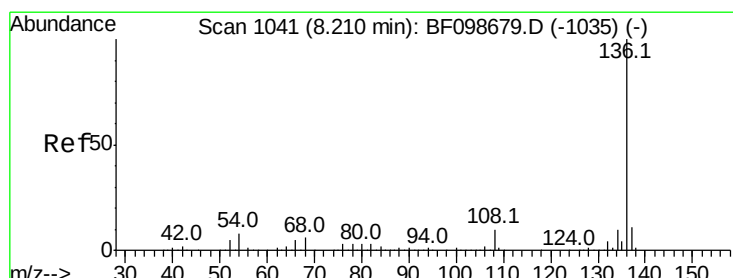
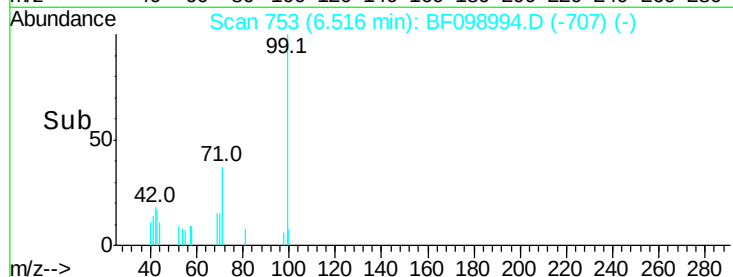
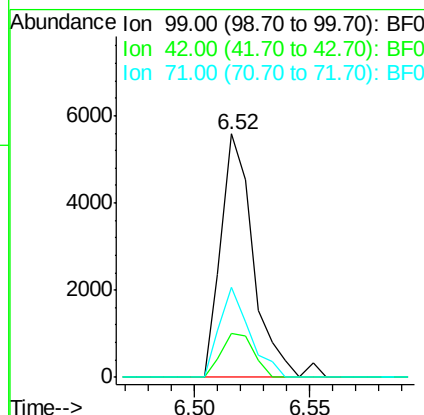
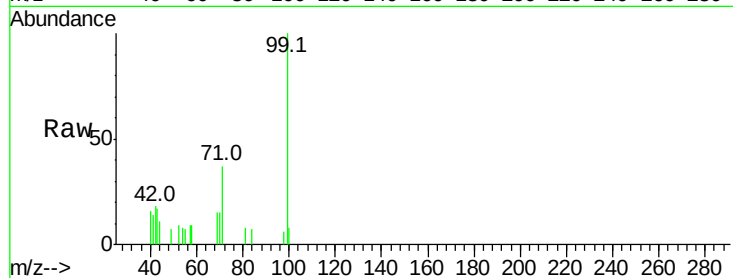
ClientSampleId :

NYSEG-PH4-SB-ESMI-8DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 5480  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 18.3  | 14.5  | 21.7  |
| 71       | 36.7  | 25.4  | 38.0  |

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#21

Naphthalene-d8

Concen: 20.000 ng

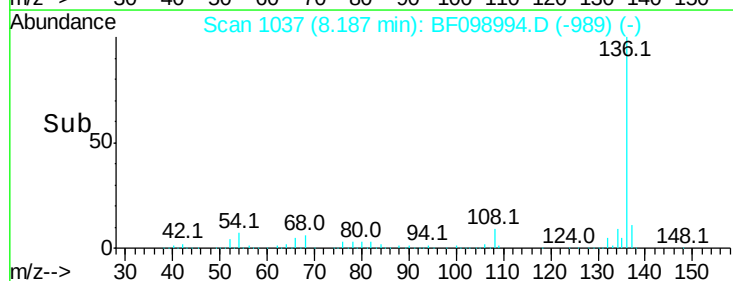
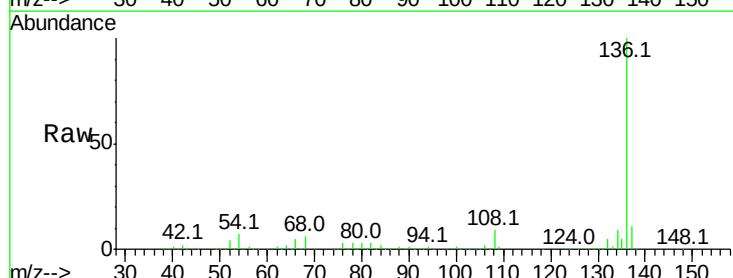
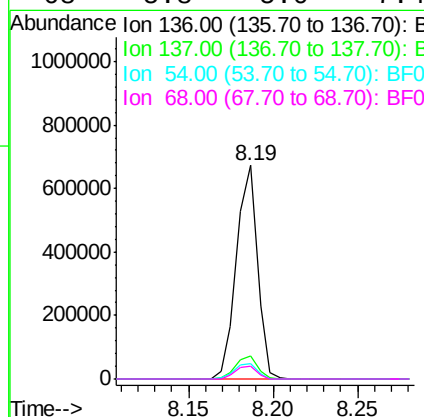
RT: 8.19 min Scan# 1037

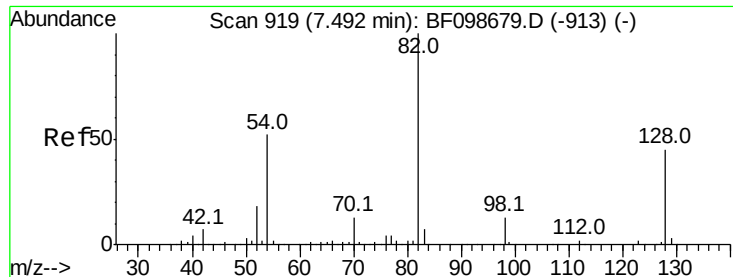
Delta R.T. -0.02 min

Lab File: BF098994.D

Acq: 1 Oct 2017 16:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 583396 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.9   | 13.3   |
| 54       | 7.2   | 6.6   | 9.8    |
| 68       | 5.8   | 5.0   | 7.4    |





#23

Nitrobenzene-d5

Concen: 0.405 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.03 min

Lab File: BF098994.D

Acq: 1 Oct 2017 16:12

Instrument :

BNA\_F

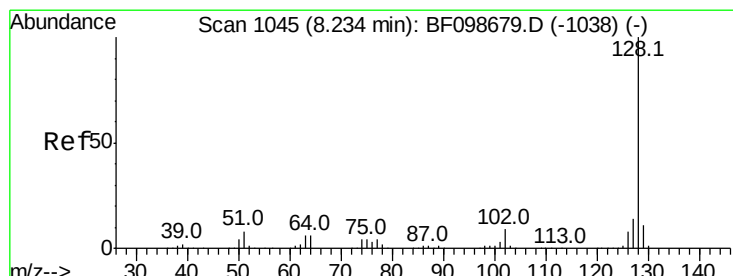
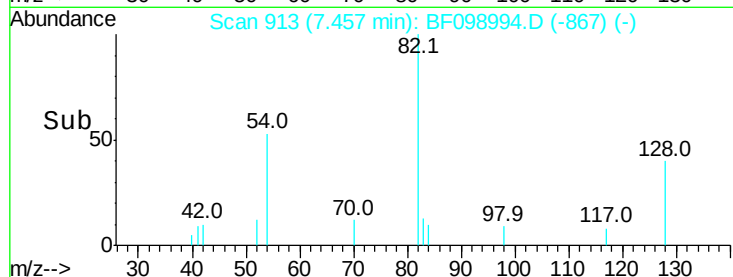
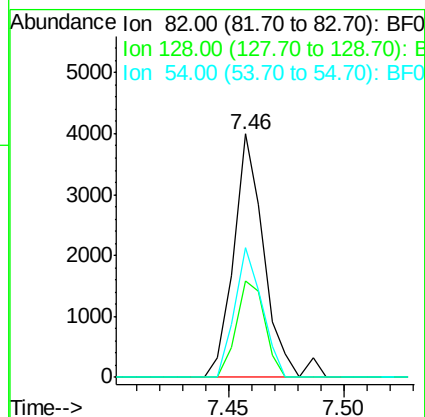
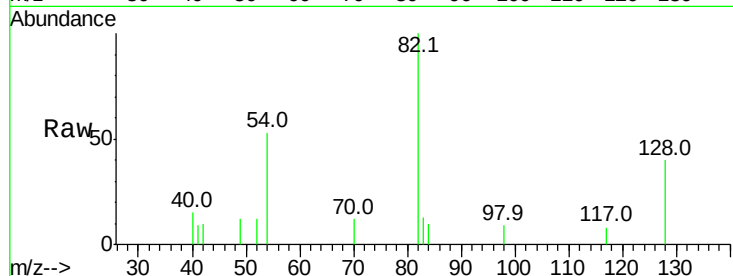
ClientSampleId :

NYSEG-PH4-SB-ESMI-8DL

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 82    | Resp: | 3683 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 39.5  | 36.1  | 54.1 |
| 54        | 53.3  | 41.4  | 62.2 |

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#31

Naphthalene

Concen: 13.987 ng

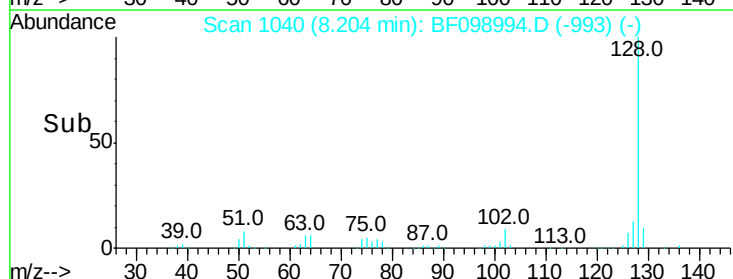
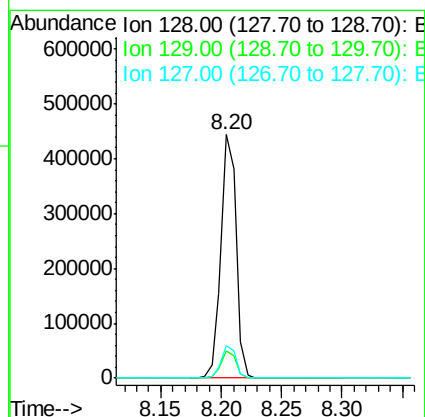
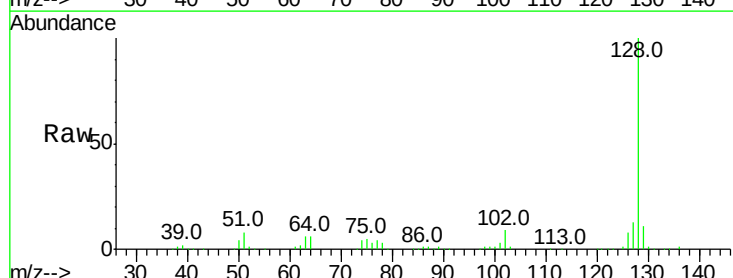
RT: 8.20 min Scan# 1040

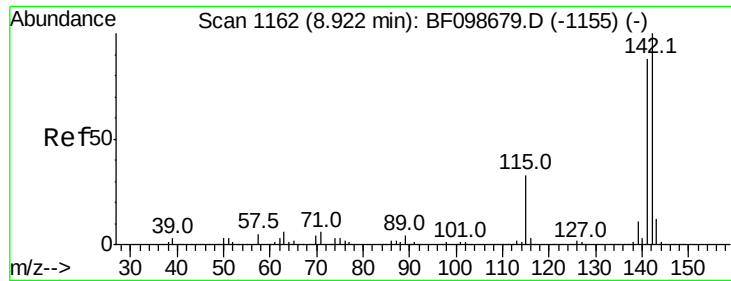
Delta R.T. -0.02 min

Lab File: BF098994.D

Acq: 1 Oct 2017 16:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 383243 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 11.2  | 8.8   | 13.2   |
| 127       | 13.4  | 10.9  | 16.3   |





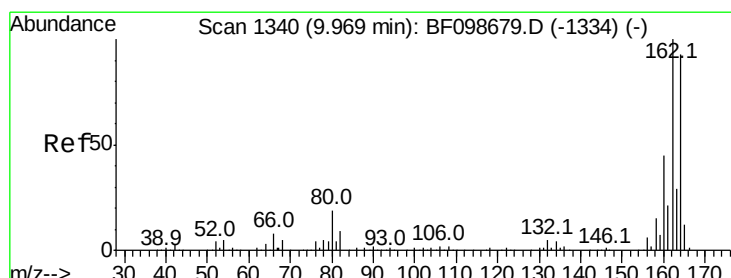
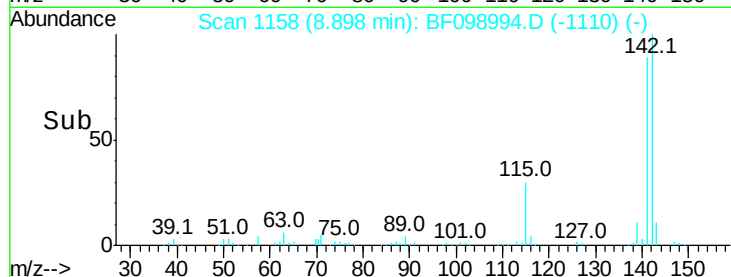
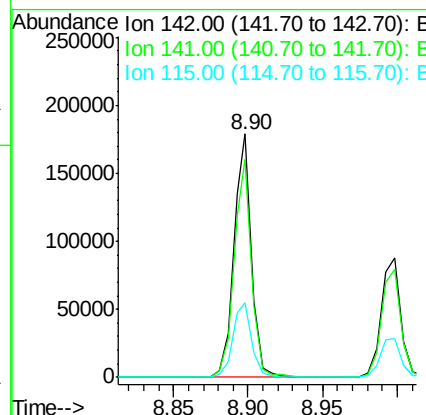
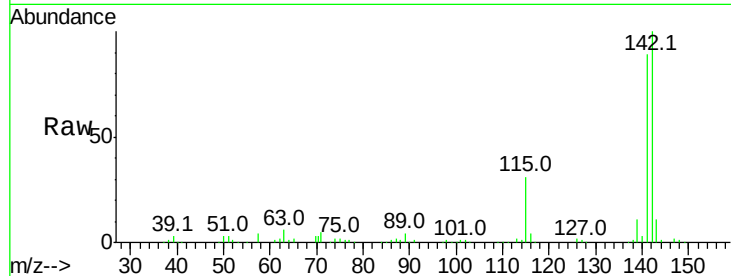
#37  
2-Methylnaphthalene  
Concen: 8.361 ng  
RT: 8.90 min Scan# 1158  
Delta R.T. -0.02 min  
Lab File: BF098994.D  
Acq: 1 Oct 2017 16:12

Instrument :  
BNA\_F  
ClientSampleId :  
NYSEG-PH4-SB-ESMI-8DL

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 148931 |       |       |
| 141     | 89.5  | 70.8   | 106.2 |       |
| 115     | 30.6  | 26.1   | 39.1  |       |

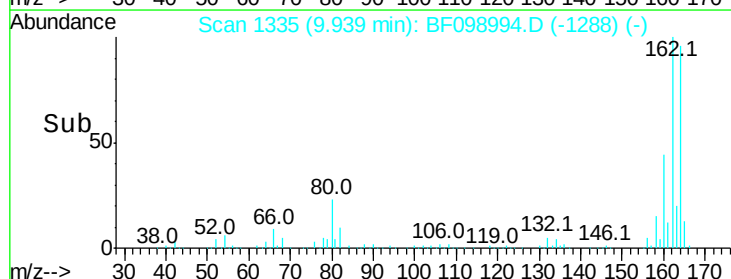
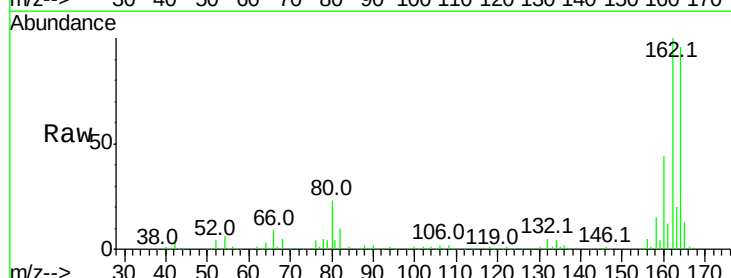
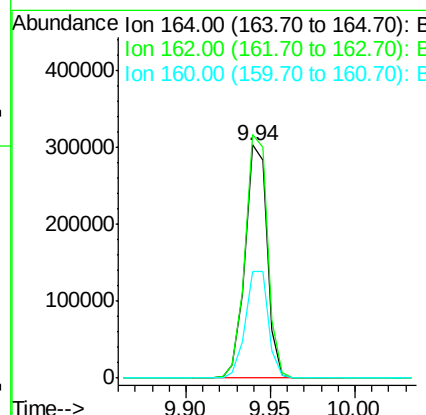
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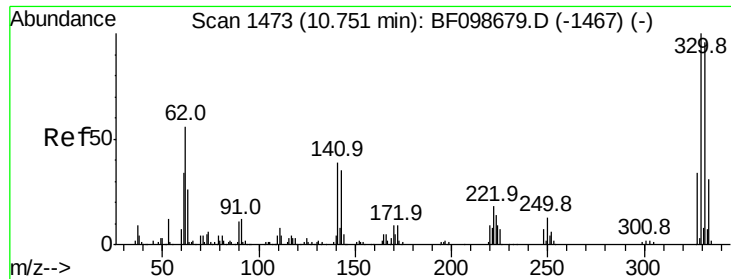
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#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.94 min Scan# 1335  
Delta R.T. -0.02 min  
Lab File: BF098994.D  
Acq: 1 Oct 2017 16:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 276558 |       |       |
| 162     | 104.4 | 86.1   | 129.1 |       |
| 160     | 45.7  | 38.3   | 57.5  |       |





#41

2,4,6-Tribromophenol

Concen: 0.394 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.02 min

Lab File: BF098994.D

Acq: 1 Oct 2017 16:12

Instrument :

BNA\_F

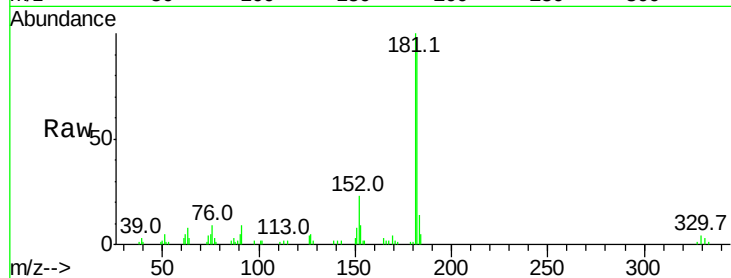
ClientSampleId :

NYSEG-PH4-SB-ESMI-8DL

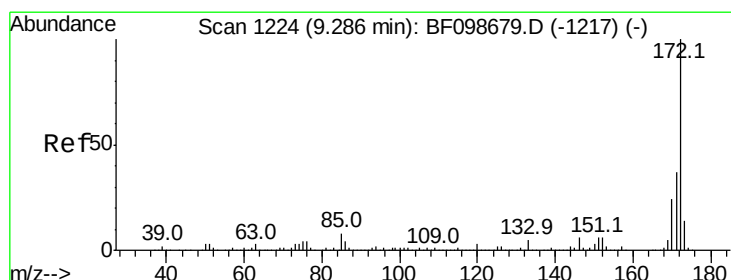
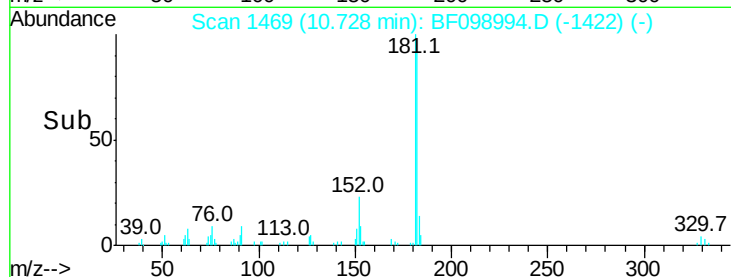
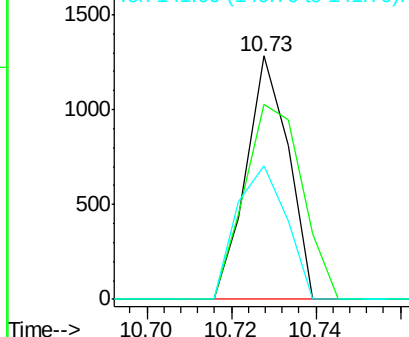
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 330   | Resp: | 891   |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 109.9 | 77.0  | 115.6 |
| 141       | 64.8  | 29.9  | 44.9# |

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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: 0.464 ng

RT: 9.26 min Scan# 1219

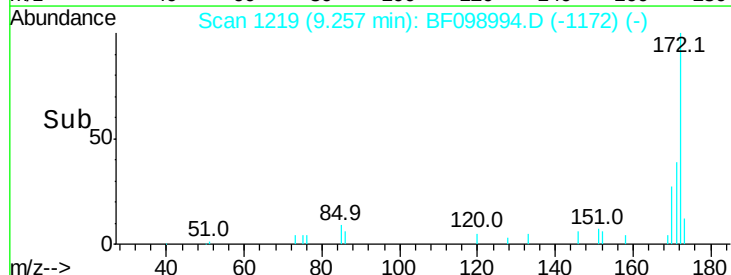
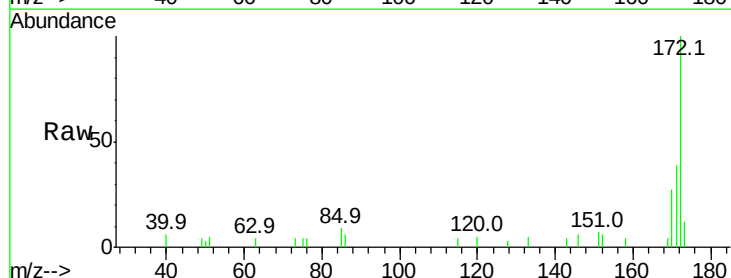
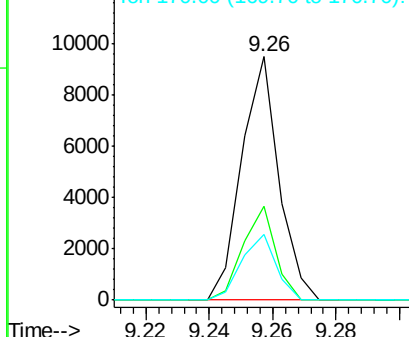
Delta R.T. -0.02 min

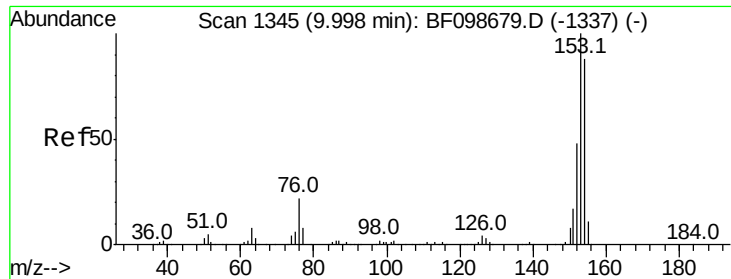
Lab File: BF098994.D

Acq: 1 Oct 2017 16:12

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 172   | Resp: | 7683 |
| Ion Ratio | Lower | Upper |      |
| 172       | 100   |       |      |
| 171       | 38.6  | 29.7  | 44.5 |
| 170       | 27.2  | 19.6  | 29.4 |

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





#51

Acenaphthene

Concen: 7.372 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BF098994.D

Acq: 1 Oct 2017 16:12

Instrument :

BNA\_F

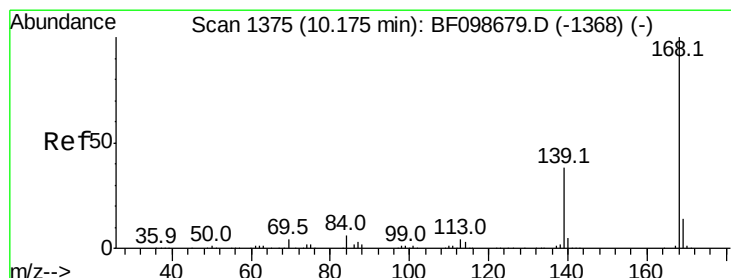
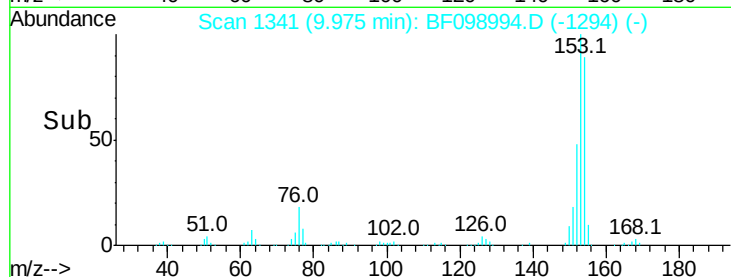
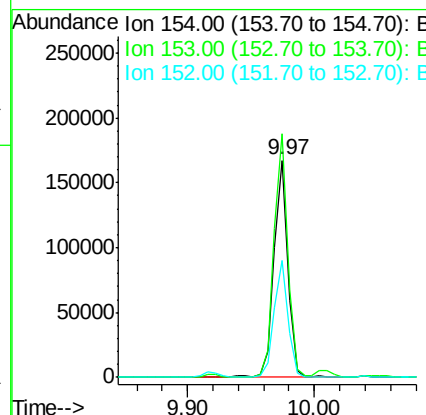
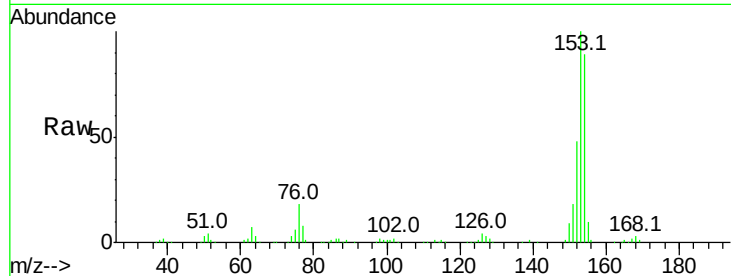
ClientSampleId :

NYSEG-PH4-SB-ESMI-8DL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 127575 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 112.2 | 91.2  | 136.8  |
| 152       | 54.0  | 43.8  | 65.8   |

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#54

Dibenzofuran

Concen: 5.448 ng

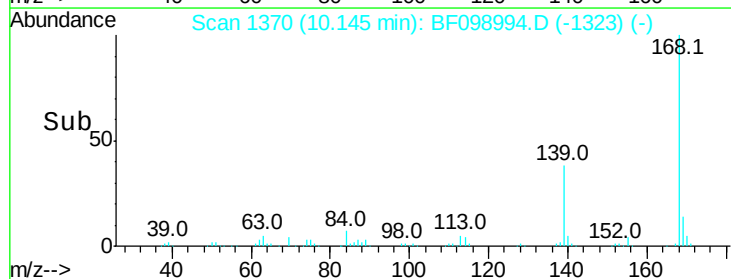
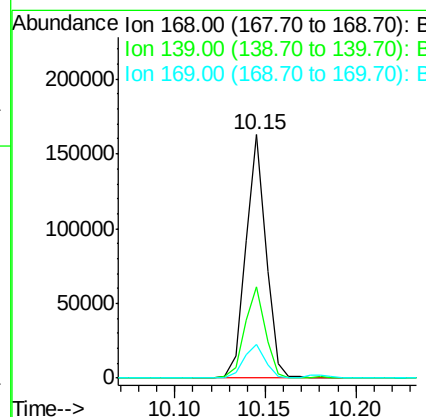
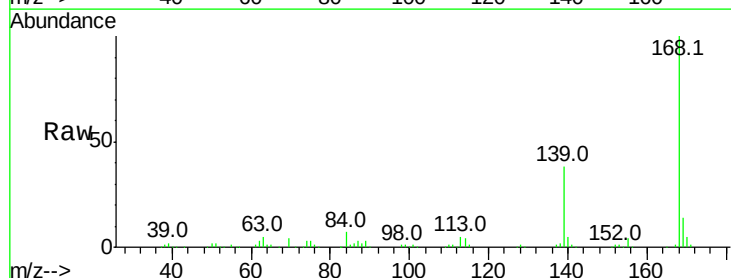
RT: 10.15 min Scan# 1370

Delta R.T. -0.02 min

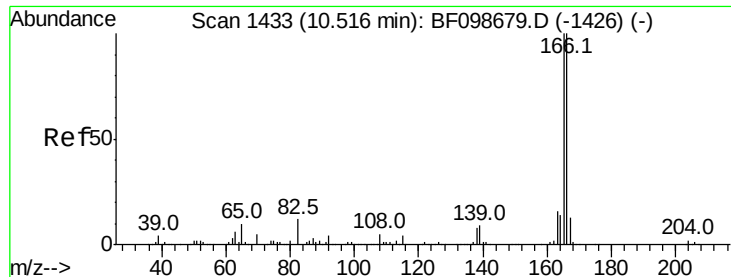
Lab File: BF098994.D

Acq: 1 Oct 2017 16:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 168   | Resp: | 125526 |
| Ion Ratio | Lower | Upper |        |
| 168       | 100   |       |        |
| 139       | 37.7  | 30.1  | 45.1   |
| 169       | 13.7  | 10.9  | 16.3   |







#57

Fluorene

Concen: 7.376 ng

RT: 10.49 min Scan# 1428

Delta R.T. -0.02 min

Lab File: BF098994.D

Acq: 1 Oct 2017 16:12

Instrument :

BNA\_F

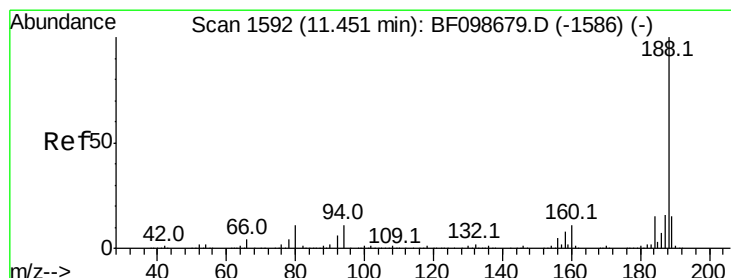
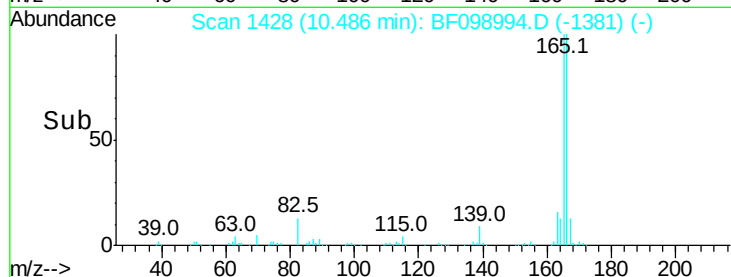
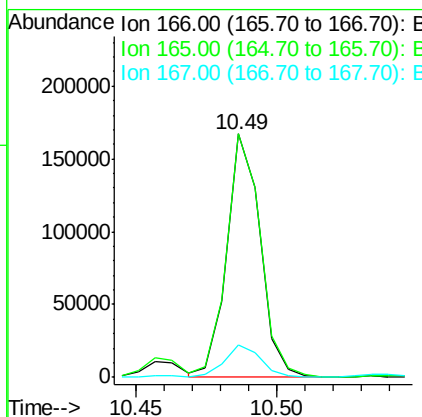
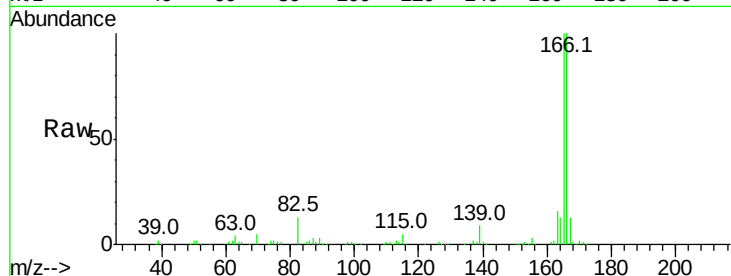
ClientSampleId :

NYSEG-PH4-SB-ESMI-8DL

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 166     | 100   |      |       |       |
| 165     | 100.0 | 79.8 | 119.8 |       |
| 167     | 13.5  | 10.6 | 16.0  |       |

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#63

Phenanthrene-d10

Concen: 20.000 ng

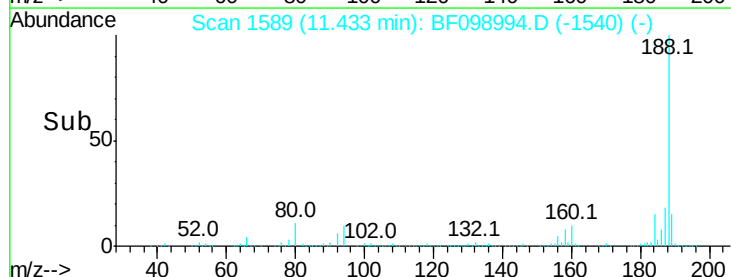
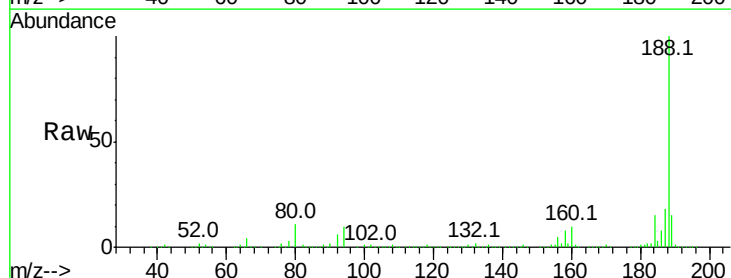
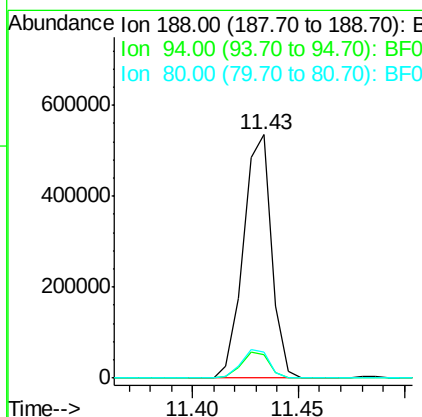
RT: 11.43 min Scan# 1589

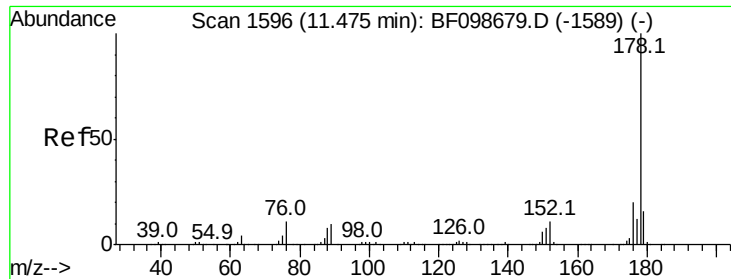
Delta R.T. -0.01 min

Lab File: BF098994.D

Acq: 1 Oct 2017 16:12

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 188     | 100   |      |       |       |
| 94      | 9.6   | 8.5  | 12.7  |       |
| 80      | 10.8  | 9.2  | 13.8  |       |





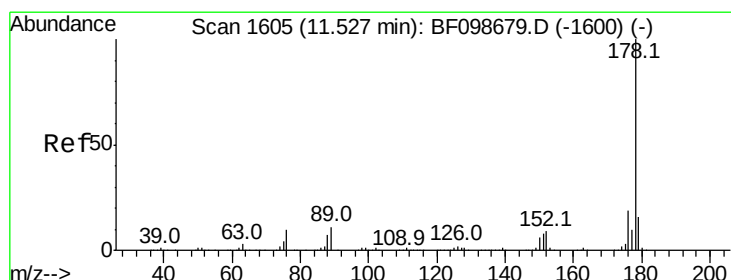
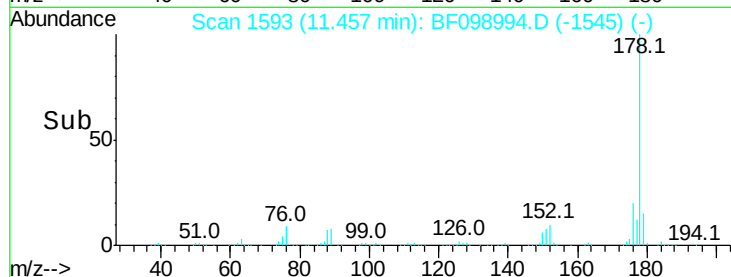
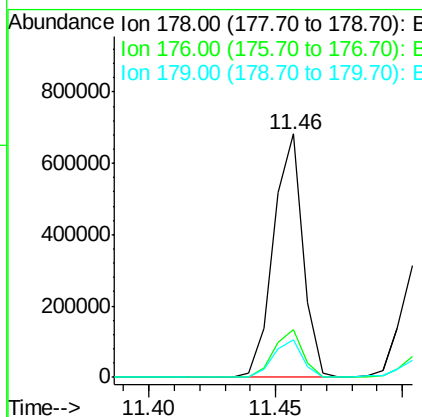
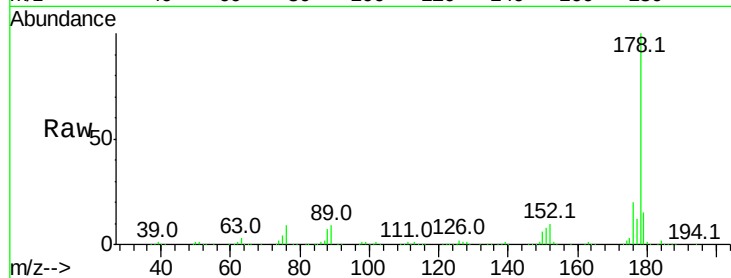
#70  
Phenanthrene  
Concen: 21.024 ng  
RT: 11.46 min Scan# 1593  
Delta R.T. -0.02 min  
Lab File: BF098994.D  
Acq: 1 Oct 2017 16:12

Instrument :  
BNA\_F  
ClientSampleId :  
NYSEG-PH4-SB-ESMI-8DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.6  | 15.8  | 23.8  |
| 179     | 15.4  | 13.0  | 19.6  |

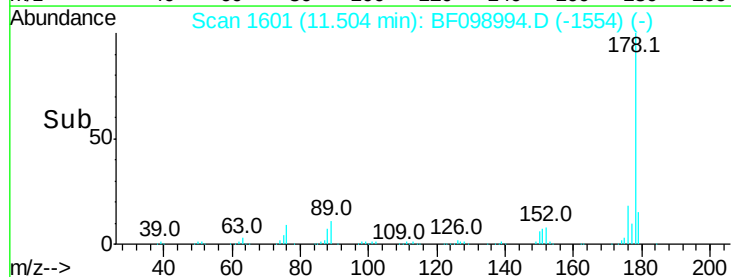
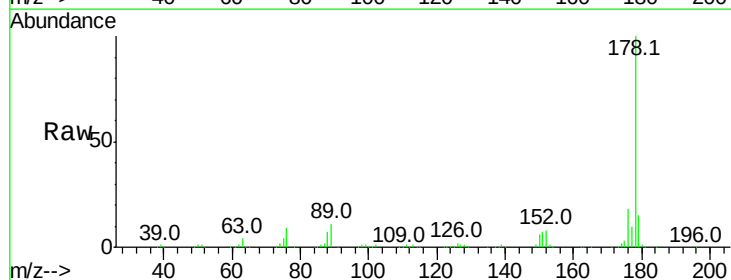
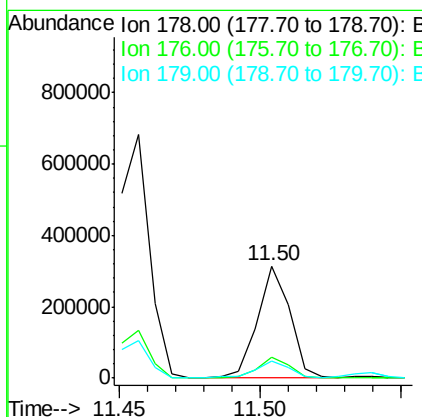
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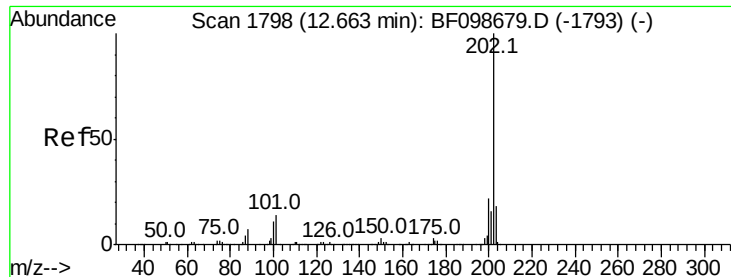
Sohil  
10/2/2017 5:49:18 PM



#71  
Anthracene  
Concen: 9.125 ng  
RT: 11.50 min Scan# 1601  
Delta R.T. -0.02 min  
Lab File: BF098994.D  
Acq: 1 Oct 2017 16:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.4  | 15.4  | 23.2  |
| 179     | 15.3  | 12.6  | 19.0  |





#74

Fluoranthene

Concen: 12.833 ng

RT: 12.65 min Scan# 1795

Delta R.T. -0.02 min

Lab File: BF098994.D

Acq: 1 Oct 2017 16:12

Instrument :

BNA\_F

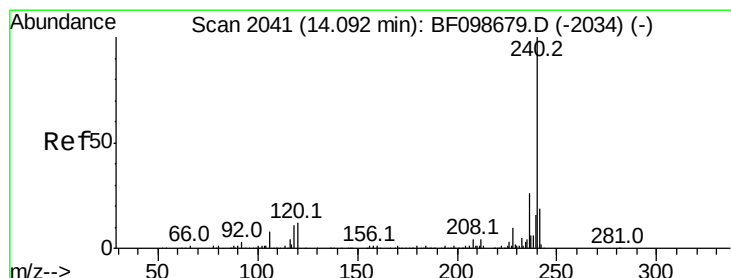
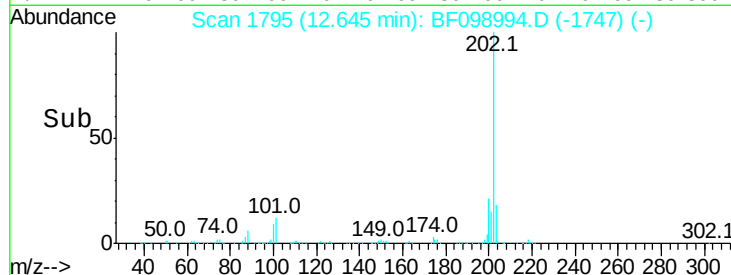
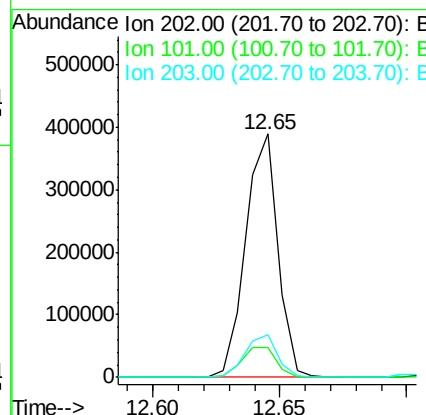
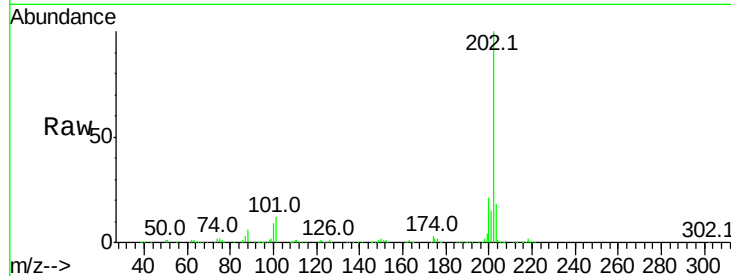
ClientSampleId :

NYSEG-PH4-SB-ESMI-8DL

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 12.4  | 0.0        | 34.1  |
| 203     | 17.5  | 0.0        | 38.1  |

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#75

Chrysene-d12

Concen: 20.000 ng

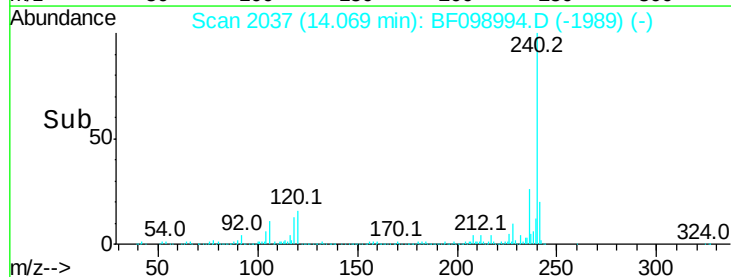
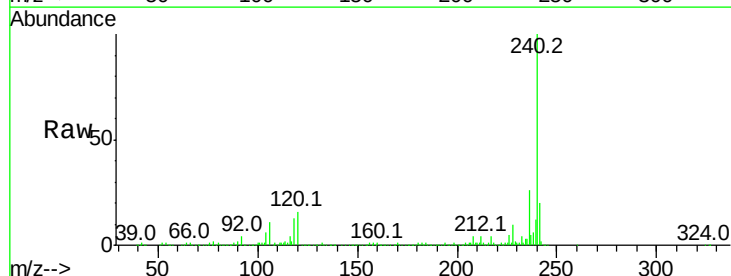
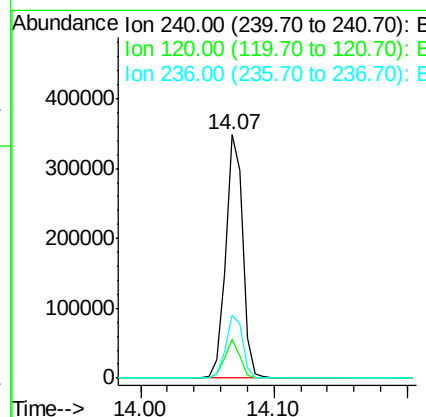
RT: 14.07 min Scan# 2037

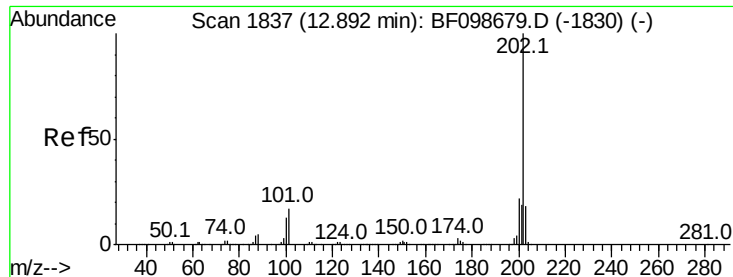
Delta R.T. -0.02 min

Lab File: BF098994.D

Acq: 1 Oct 2017 16:12

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 15.7  | 9.5        | 14.3# |
| 236     | 25.7  | 20.7       | 31.1  |





#77

Pvrene

Concen: 11.088 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF098994.D

Acq: 1 Oct 2017 16:12

Instrument :

BNA\_F

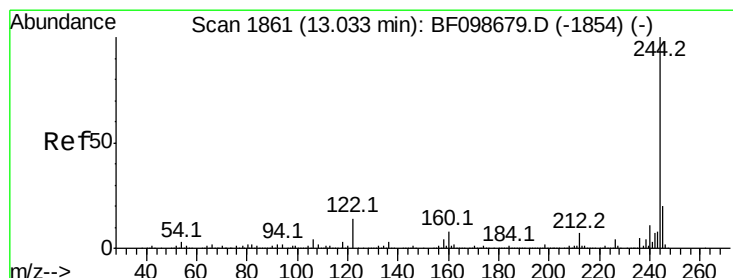
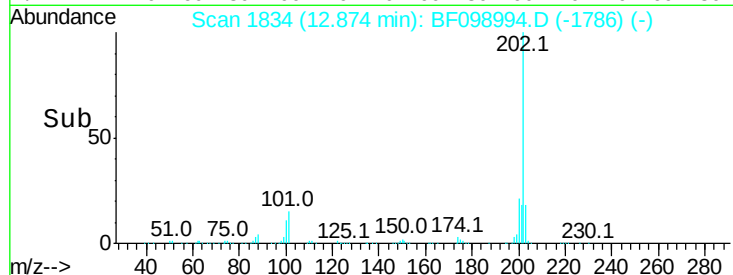
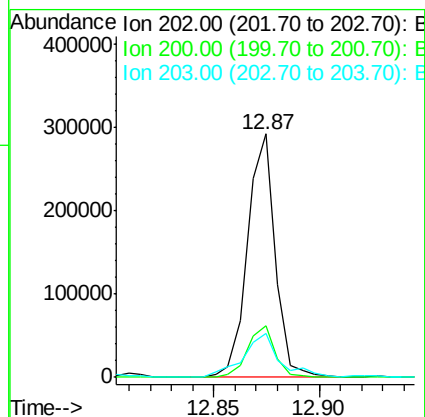
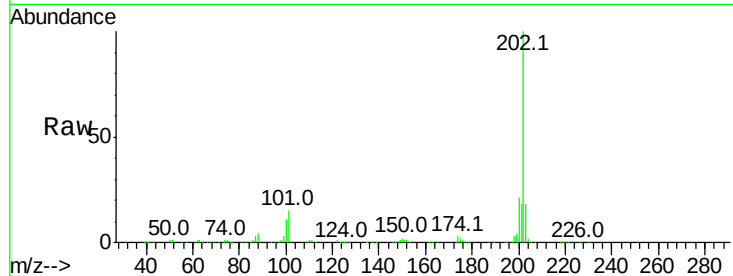
ClientSampleId :

NYSEG-PH4-SB-ESMI-8DL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 266242 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.3  | 17.4  | 26.2   |
| 203       | 17.8  | 14.3  | 21.5   |

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#78

Terphenyl-d14

Concen: 0.487 ng

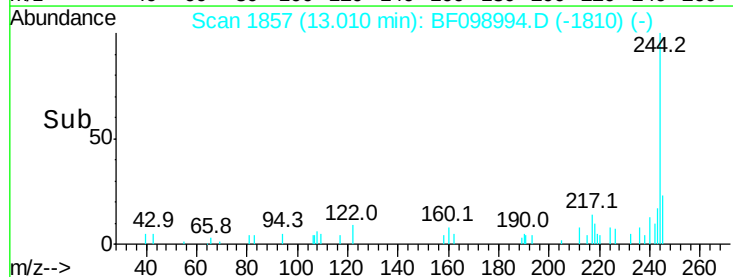
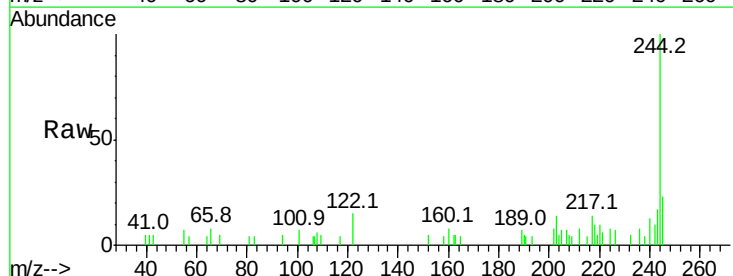
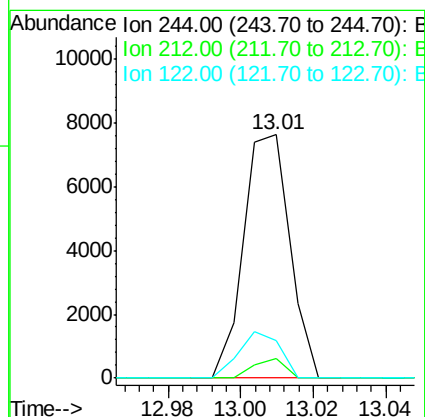
RT: 13.01 min Scan# 1857

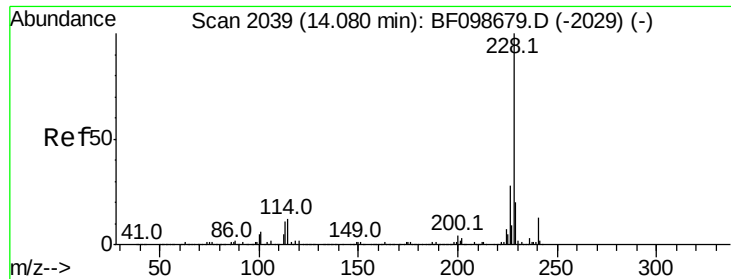
Delta R.T. -0.02 min

Lab File: BF098994.D

Acq: 1 Oct 2017 16:12

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 244   | Resp: | 6741 |
| Ion Ratio | Lower | Upper |      |
| 244       | 100   |       |      |
| 212       | 8.0   | 5.4   | 8.0  |
| 122       | 15.5  | 11.0  | 16.4 |





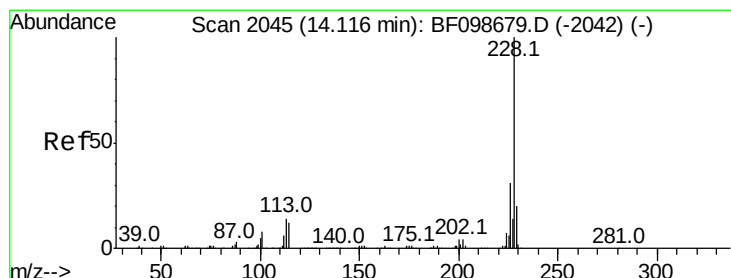
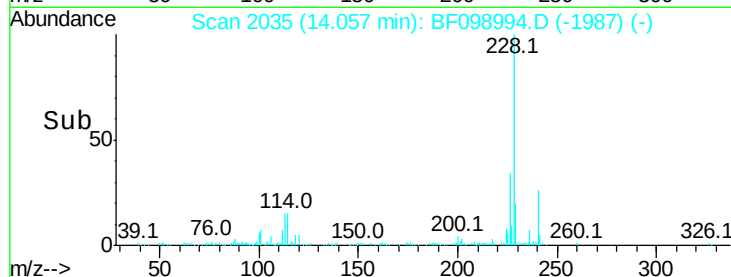
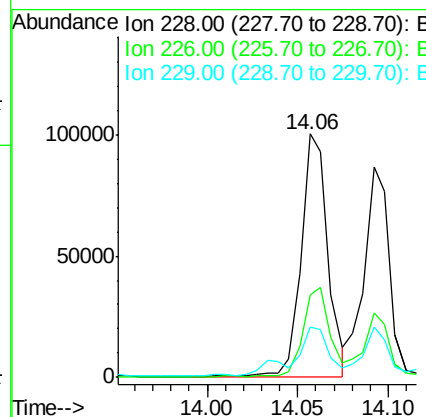
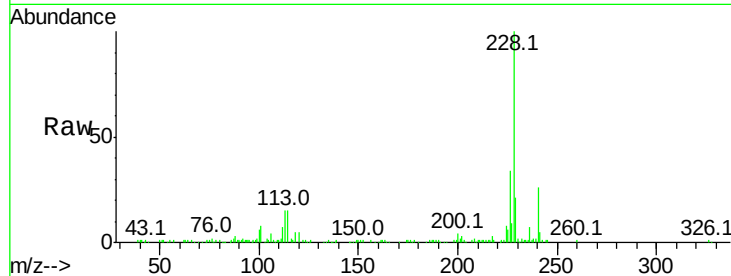
#80  
Benzo(a)anthracene  
Concen: 5.523 ng  
RT: 14.06 min Scan# 2035  
Delta R.T. -0.02 min  
Lab File: BF098994.D  
Acq: 1 Oct 2017 16:12

Instrument :  
BNA\_F  
ClientSampleId :  
NYSEG-PH4-SB-ESMI-8DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 33.8  | 22.6  | 33.8  |
| 229     | 20.5  | 15.8  | 23.6  |

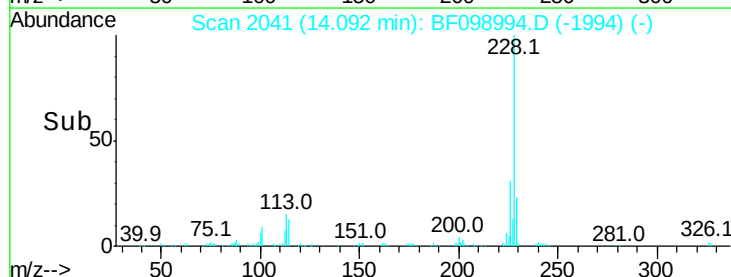
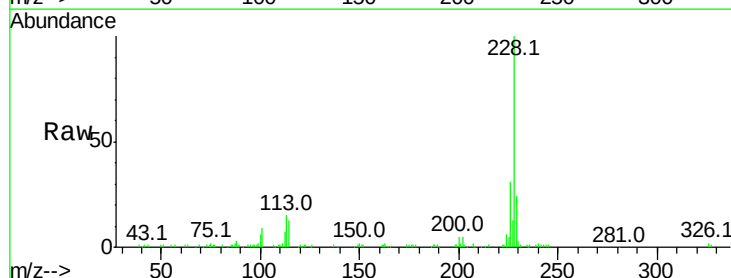
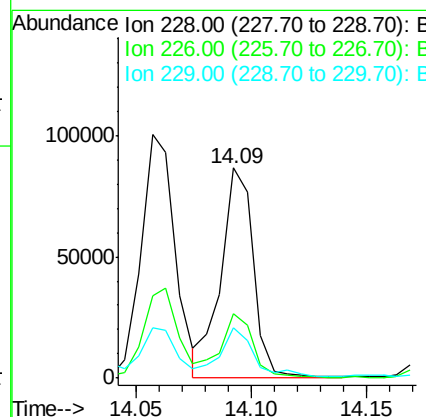
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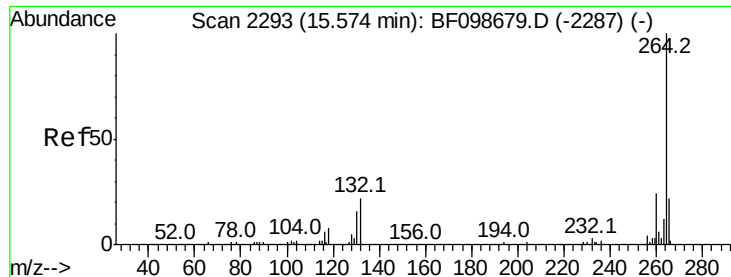
Sohil  
10/2/2017 5:49:18 PM



#82  
Chrysene  
Concen: 4.655 ng  
RT: 14.09 min Scan# 2041  
Delta R.T. -0.02 min  
Lab File: BF098994.D  
Acq: 1 Oct 2017 16:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.0  | 25.0  | 37.6  |
| 229     | 23.8  | 16.2  | 24.4  |





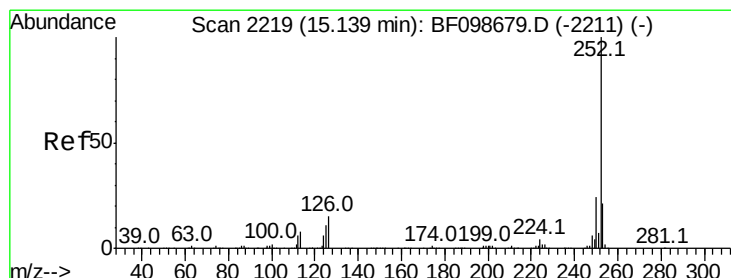
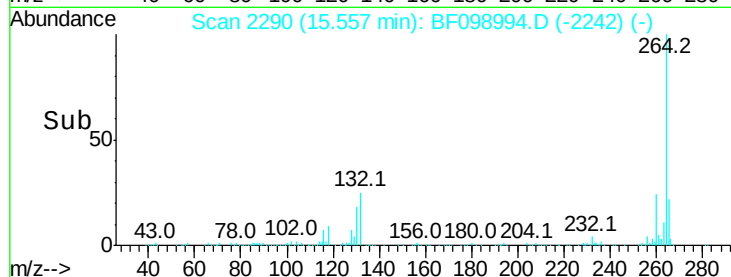
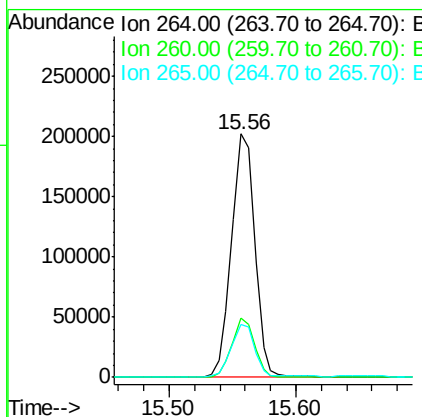
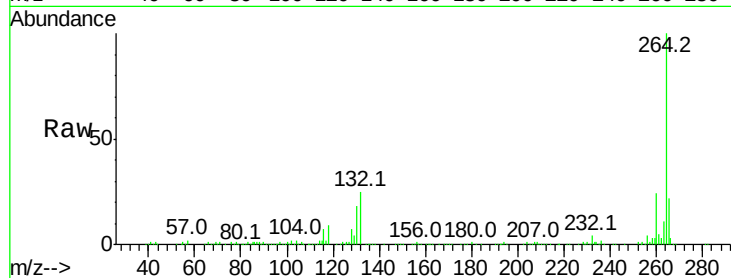
#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.56 min Scan# 2290  
Delta R.T. -0.02 min  
Lab File: BF098994.D  
Acq: 1 Oct 2017 16:12

Instrument :  
BNA\_F  
ClientSampleId :  
NYSEG-PH4-SB-ESMI-8DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 19.2  | 28.8  |
| 265     | 21.6  | 17.5  | 26.3  |

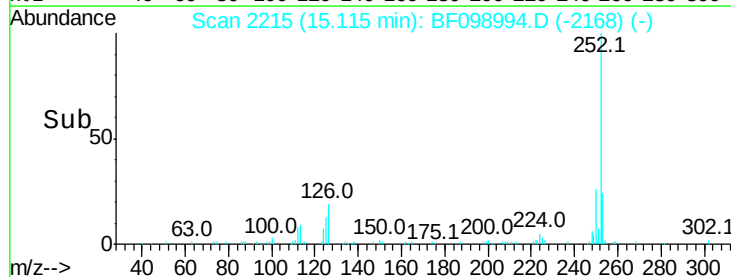
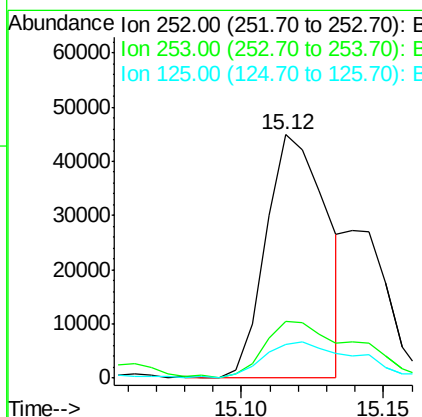
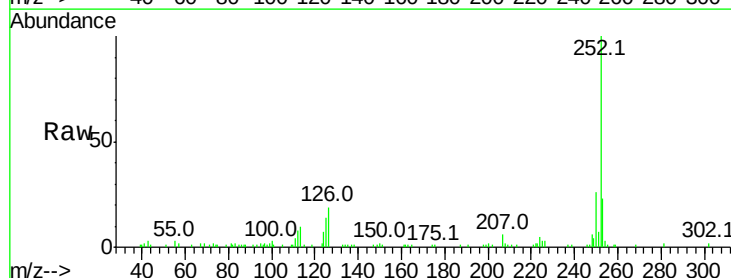
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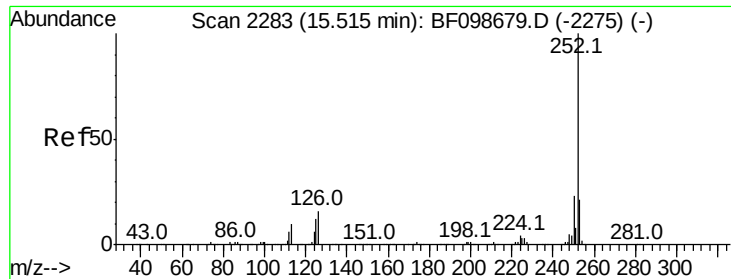
Sohil  
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#87  
Benzo(b)fluoranthene  
Concen: 4.233 ng m  
RT: 15.12 min Scan# 2215  
Delta R.T. -0.02 min  
Lab File: BF098994.D  
Acq: 1 Oct 2017 16:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.4  | 17.0  | 25.6  |
| 125     | 14.0  | 9.0   | 13.6  |





#89  
Benzo(a)pyrene  
Concen: 3.978 ng  
RT: 15.49 min Scan# 2279  
Delta R.T. -0.02 min  
Lab File: BF098994.D  
Acq: 1 Oct 2017 16:12

Instrument :  
BNA\_F  
ClientSampleId :  
NYSEG-PH4-SB-ESMI-8DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.9  | 17.1  | 25.7  |
| 125     | 14.8  | 9.8   | 14.6  |

Manual Integrations  
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