

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110117\  
 Data File : BE094690.D  
 Acq On : 1 Nov 2017 14:35  
 Operator : SJ/JU  
 Sample : PB103176TB  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB103176TB

Manual Integrations  
 APPROVED

Sohil  
 11/1/2017 4:47:35 PM

Quant Time: Nov 01 16:03:03 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 23 22:40:47 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.92  | 152  | 1020     | 0.40 | ng    | 0.01     |
| 7) Naphthalene-d8           | 10.76 | 136  | 6446m    | 0.40 | ng    | 0.05     |
| 13) Acenaphthene-d10        | 14.54 | 164  | 3583     | 0.40 | ng    | 0.03     |
| 19) Phenanthrene-d10        | 17.27 | 188  | 8508     | 0.40 | ng    | 0.03     |
| 27) Chrysene-d12            | 21.44 | 240  | 8582     | 0.40 | ng    | 0.01     |
| 34) Perylene-d12            | 23.97 | 264  | 8013     | 0.40 | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |      |       |          |
| 4) 2-Fluorophenol           | 5.55  | 112  | 881m     | 0.25 | ng    | 0.02     |
| 5) Phenol-d6                | 7.30  | 99   | 1327m    | 0.25 | ng    | 0.16     |
| 8) Nitrobenzene-d5          | 9.19  | 82   | 1273m    | 0.25 | ng    | 0.12     |
| 11) 2-Methylnaphthalene-d10 | 12.34 | 152  | 2622     | 0.25 | ng    | 0.05     |
| 14) 2,4,6-Tribromophenol    | 16.10 | 330  | 203m     | 0.21 | ng    | 0.07     |
| 15) 2-Fluorobiphenyl        | 13.19 | 172  | 3490m    | 0.28 | ng    | 0.05     |
| 25) Fluoranthene-d10        | 19.30 | 212  | 27663    | 0.23 | ng    | 0.02     |
| 29) Terphenyl-d14           | 19.87 | 244  | 4211     | 0.26 | ng    | 0.00     |

Target Compounds Qvalue

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

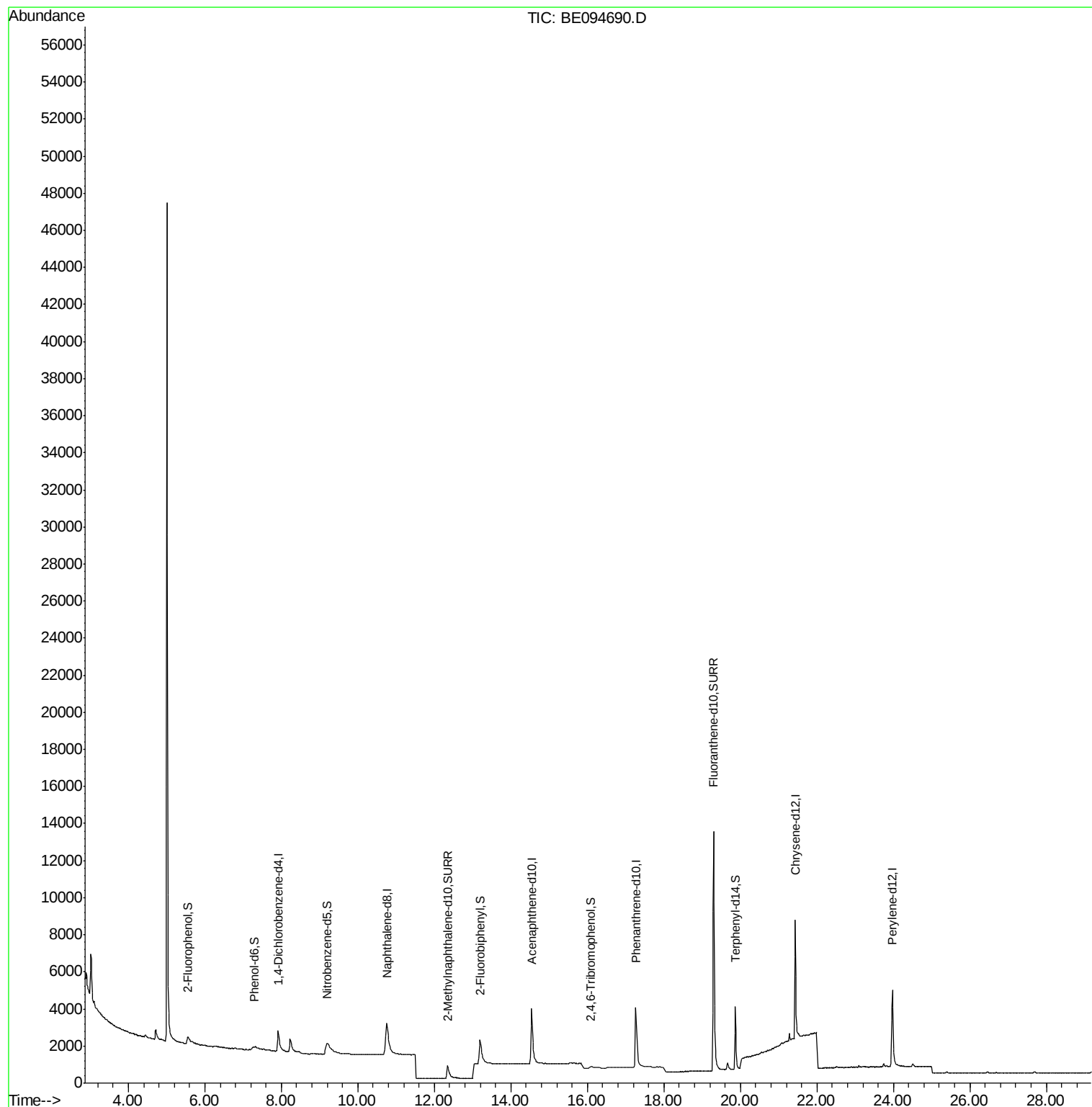
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110117\  
Data File : BE094690.D  
Acq On : 1 Nov 2017 14:35  
Operator : SJ/JU  
Sample : PB103176TB  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

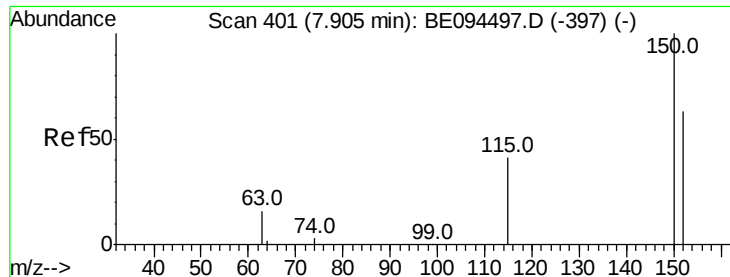
Instrument :  
BNA\_E  
ClientSampleId :  
PB103176TB

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Quant Time: Nov 01 16:03:03 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 23 22:40:47 2017  
Response via : Initial Calibration





#1

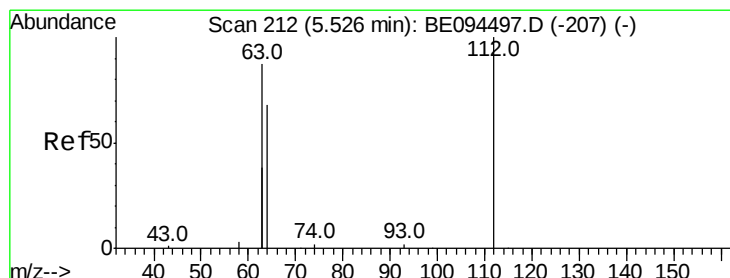
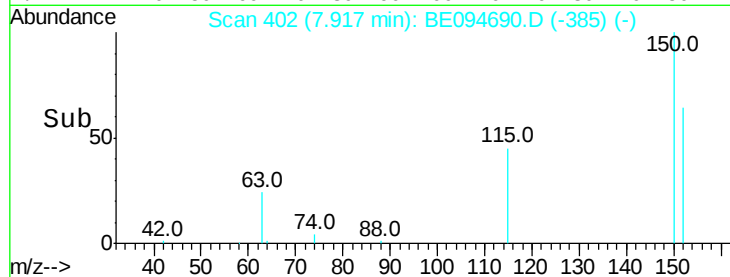
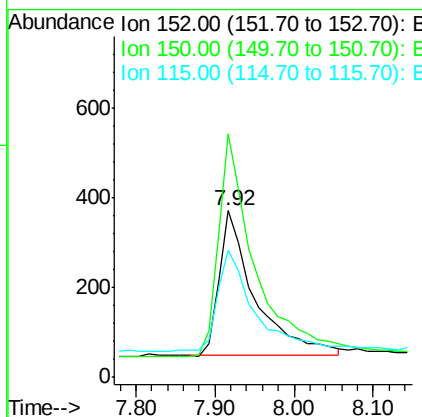
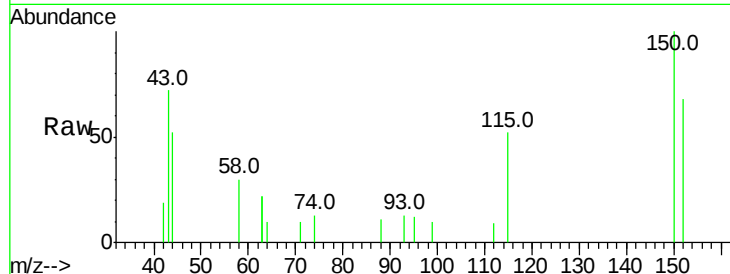
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.92 min Scan# 402  
Delta R.T. 0.01 min  
Lab File: BE094690.D  
Acq: 1 Nov 2017 14:35

Instrument :  
BNA\_E  
ClientSampled :  
PB103176TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 146.4 | 117.2 | 175.8 |
| 115     | 76.3  | 57.0  | 85.6  |

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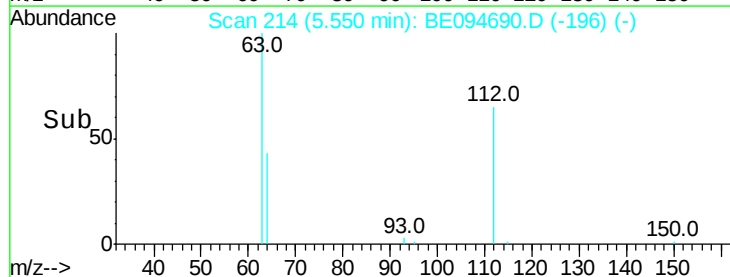
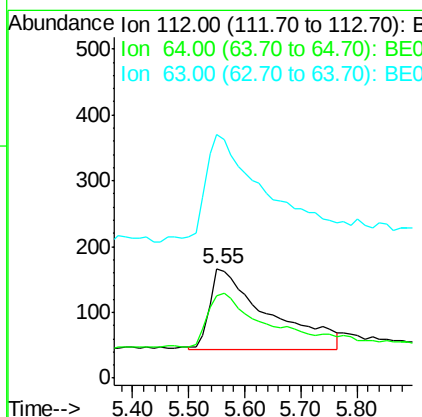
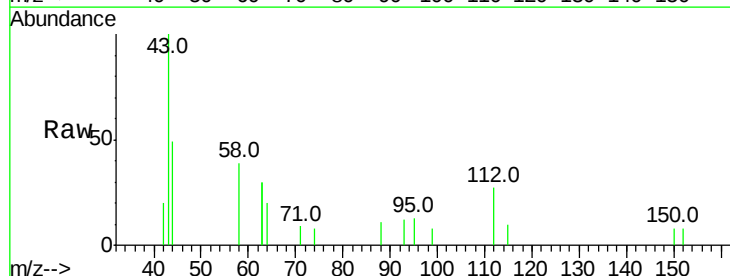
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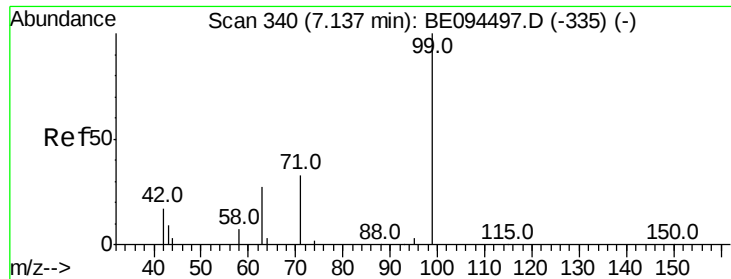


#4

2-Fluorophenol  
Concen: 0.252 ng m  
RT: 5.55 min Scan# 214  
Delta R.T. 0.02 min  
Lab File: BE094690.D  
Acq: 1 Nov 2017 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.2  | 60.1  | 90.1# |
| 63      | 122.2 | 116.8 | 175.2 |





#5

Phenol-d6

Concen: 0.252 ng m

RT: 7.30 min Scan# 353

Delta R.T. 0.16 min

Lab File: BE094690.D

Acq: 1 Nov 2017 14:35

Instrument :

BNA\_E

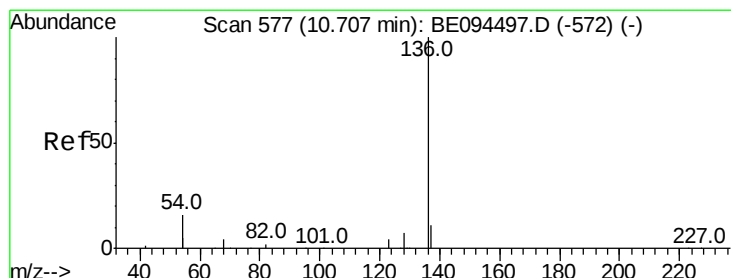
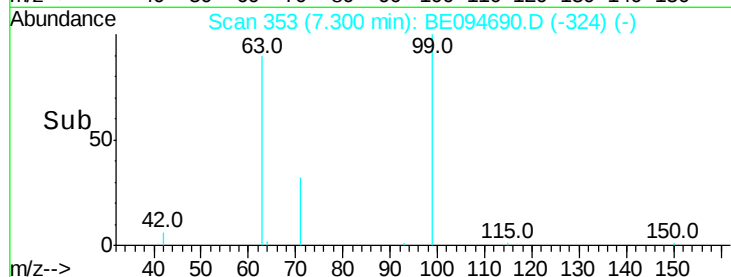
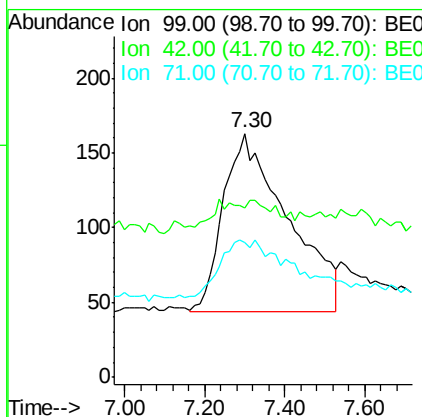
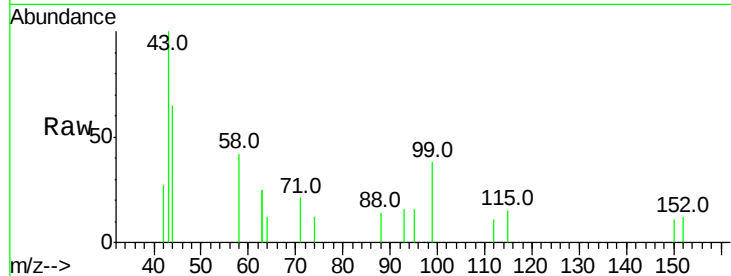
ClientSampleId :

PB103176TB

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 99    | Resp: | 1327  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 0.0   | 20.2  | 30.2# |
| 71       | 25.7  | 28.4  | 42.6# |

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#7

Naphthalene-d8

Concen: 0.400 ng m

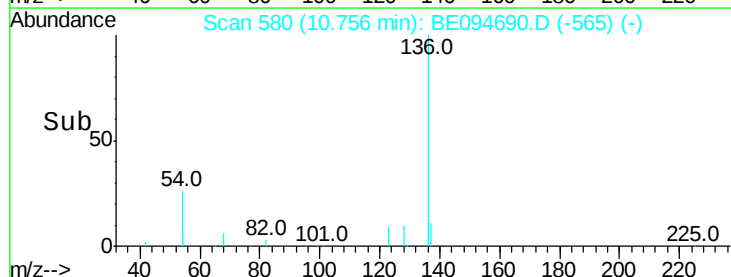
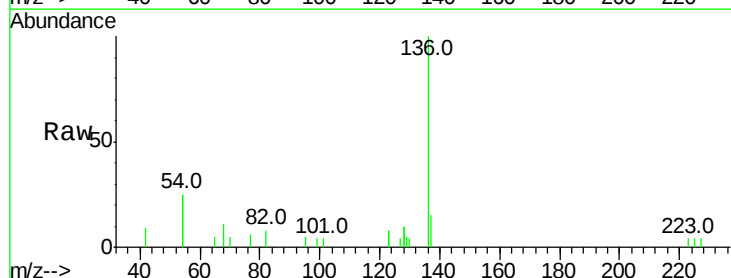
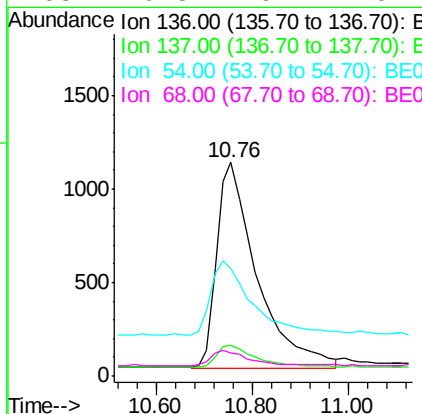
RT: 10.76 min Scan# 580

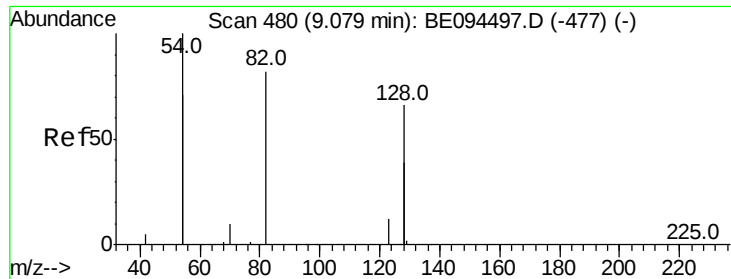
Delta R.T. 0.05 min

Lab File: BE094690.D

Acq: 1 Nov 2017 14:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 6446  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 14.5  | 9.5   | 14.3# |
| 54       | 25.2  | 29.1  | 43.7# |
| 68       | 10.8  | 6.2   | 9.2#  |





#8

Nitrobenzene-d5

Concen: 0.247 ng/ml

RT: 9.19 min Scan# 487

Delta R.T. 0.12 min

Lab File: BE094690.D

Acq: 1 Nov 2017 14:35

Instrument :

BNA\_E

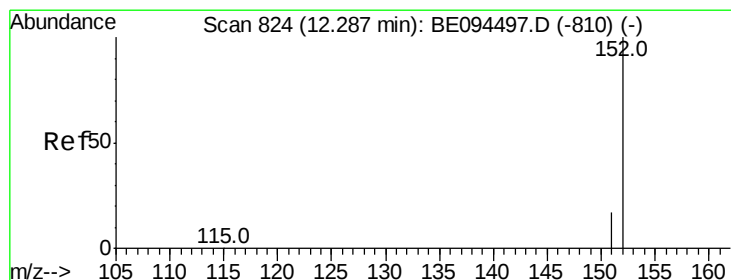
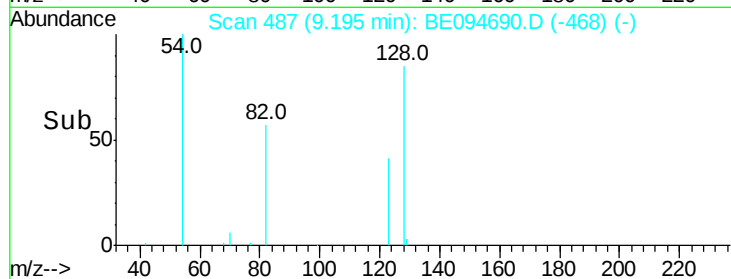
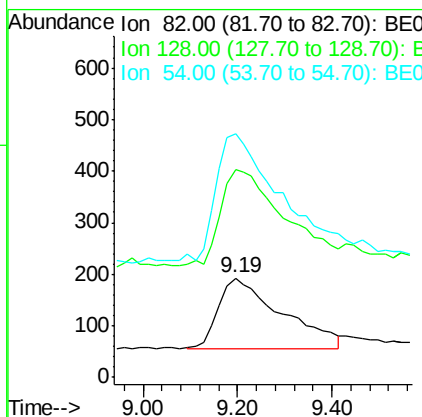
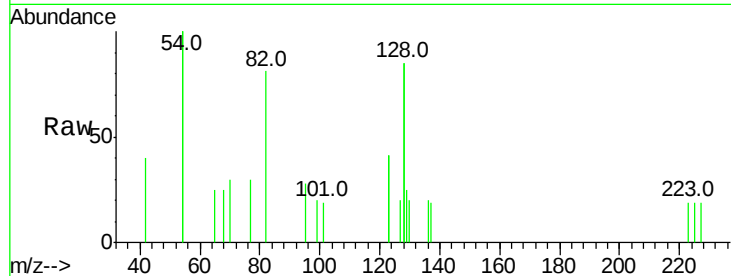
ClientSampleID :

PB103176TB

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 82      | 100   |       |        |
| 128     | 104.7 | 150.0 | 225.0# |
| 54      | 122.9 | 154.2 | 231.4# |

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#11

2-Methylnaphthalene-d10

Concen: 0.253 ng/ml

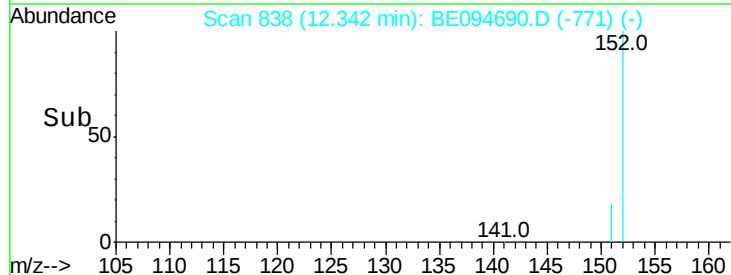
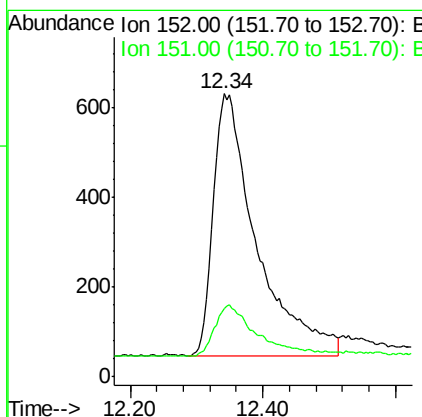
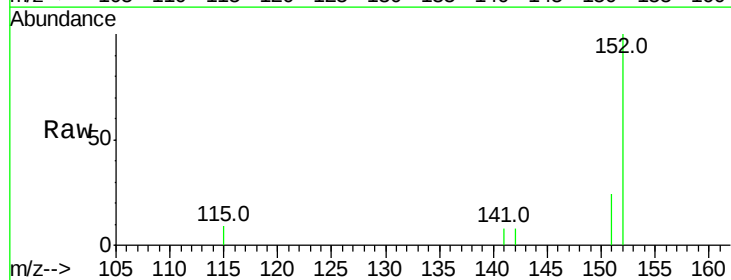
RT: 12.34 min Scan# 838

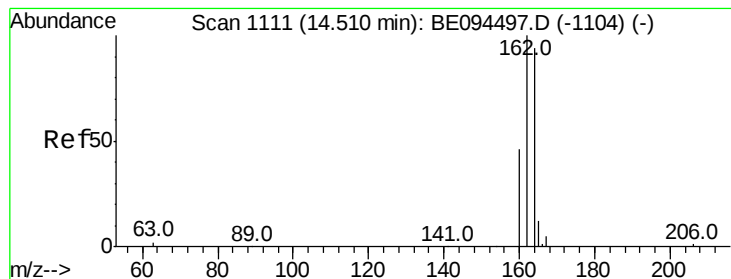
Delta R.T. 0.05 min

Lab File: BE094690.D

Acq: 1 Nov 2017 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.1  | 15.4  | 23.0  |





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.54 min Scan# 1113

Delta R.T. 0.03 min

Lab File: BE094690.D

Acq: 1 Nov 2017 14:35

Instrument :

BNA\_E

ClientSampleId :

PB103176TB

Tot Ion:164 Resp: 3583

Ion Ratio Lower Upper

164 100

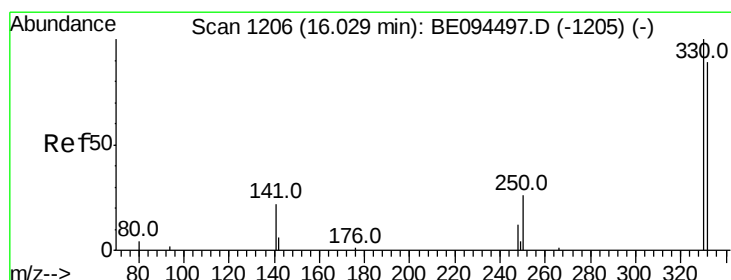
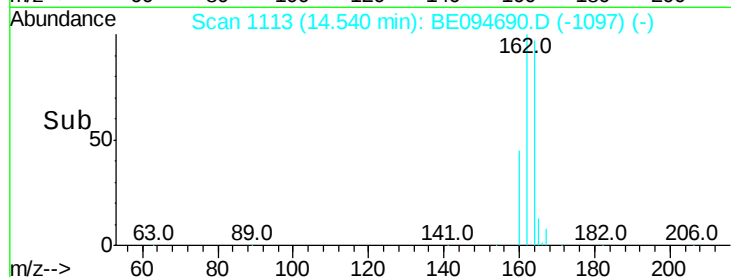
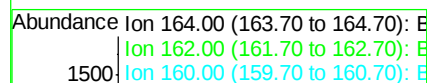
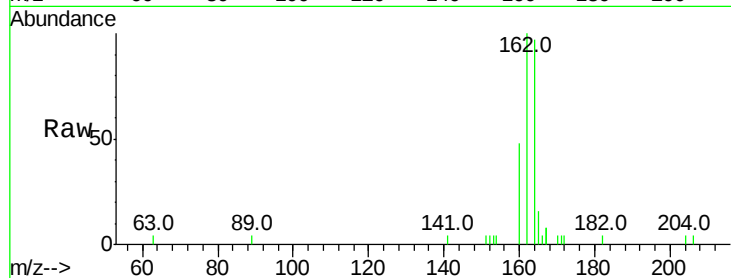
162 103.3 83.1 124.7

160 49.1 37.1 55.7

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#14

2,4,6-Tribromophenol

Concen: 0.205 ng m

RT: 16.10 min Scan# 1208

Delta R.T. 0.07 min

Lab File: BE094690.D

Acq: 1 Nov 2017 14:35

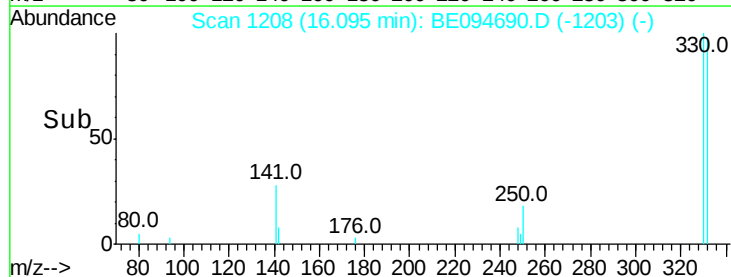
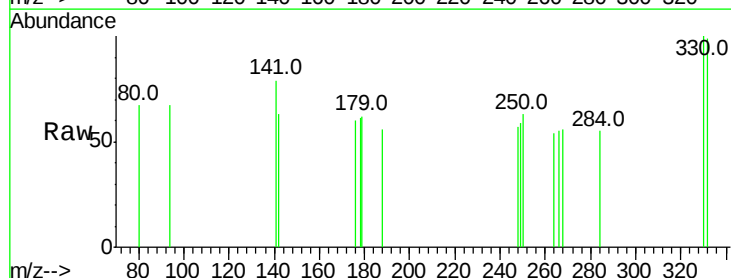
Tgt Ion:330 Resp: 203

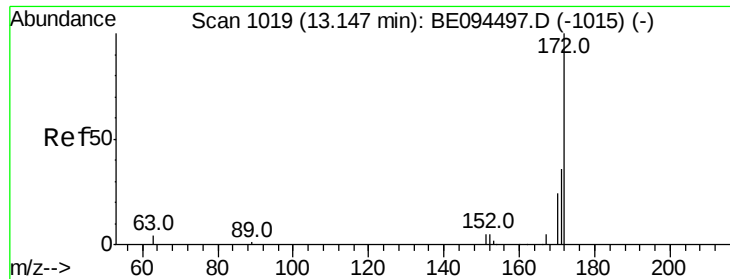
Ion Ratio Lower Upper

330 100

332 66.5 152.7 229.1#

141 0.0 33.7 50.5#





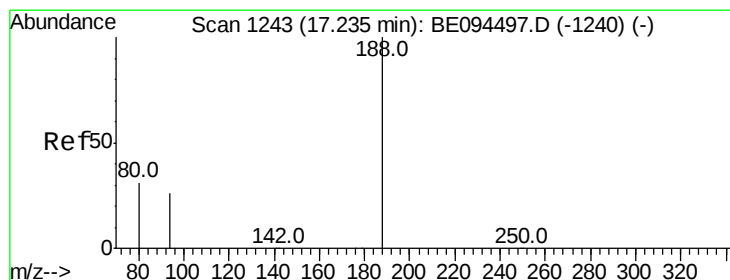
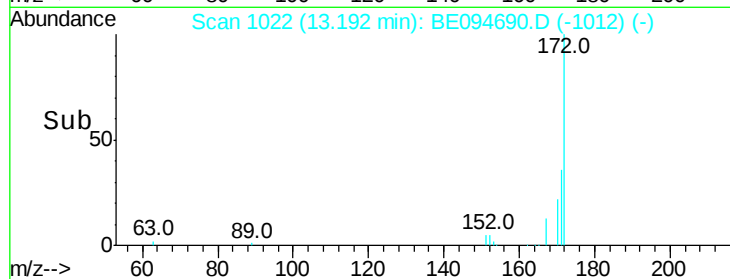
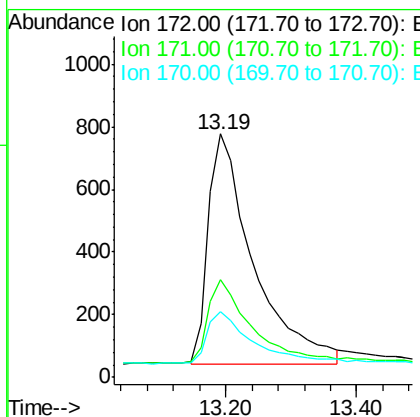
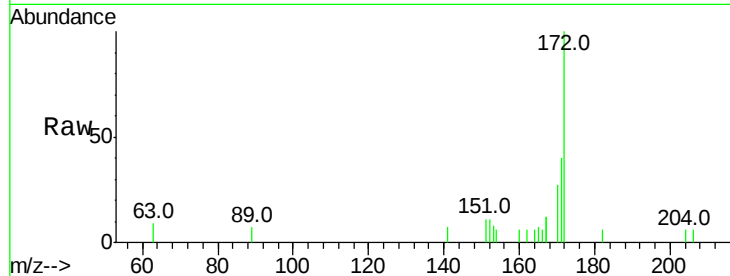
#15  
2-Fluorobiphenyl  
Concen: 0.276 ng/ml  
RT: 13.19 min Scan# 1022  
Delta R.T. 0.05 min  
Lab File: BE094690.D  
Acq: 1 Nov 2017 14:35

Instrument :  
BNA\_E  
ClientSampled :  
PB103176TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 40.3  | 29.9  | 44.9  |
| 170     | 26.9  | 21.8  | 32.8  |

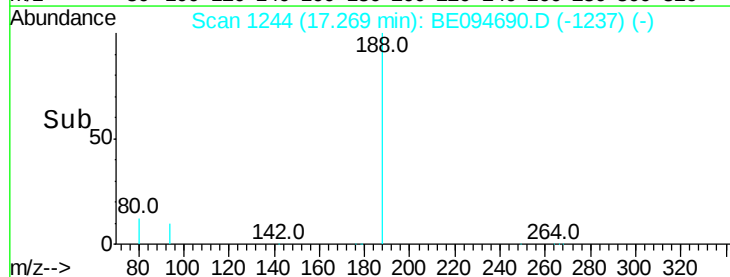
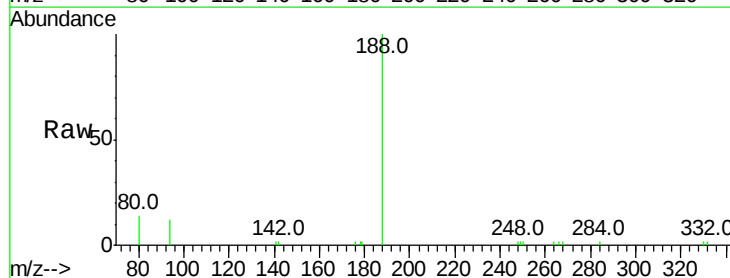
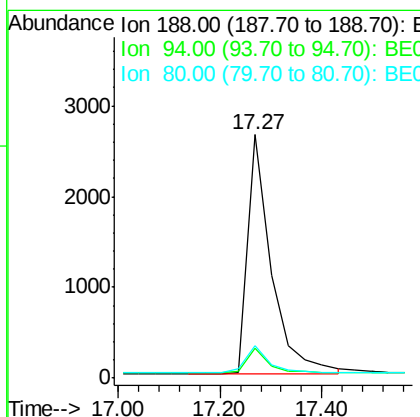
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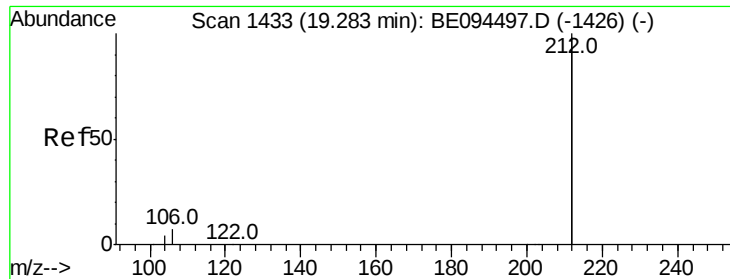
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#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.27 min Scan# 1244  
Delta R.T. 0.03 min  
Lab File: BE094690.D  
Acq: 1 Nov 2017 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 12.4  | 3.9   | 5.9#  |
| 80      | 13.5  | 3.6   | 5.4#  |





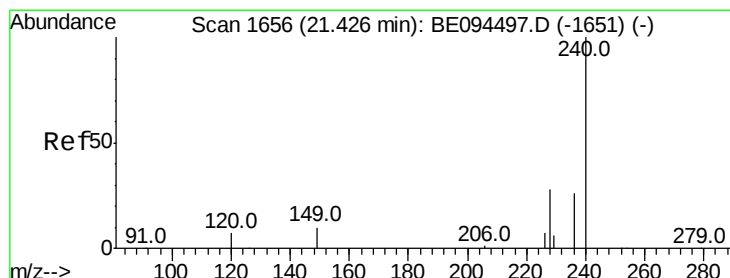
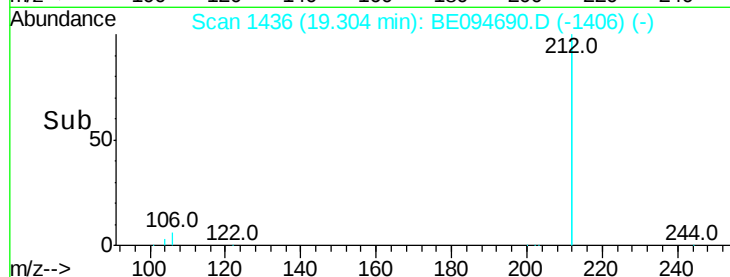
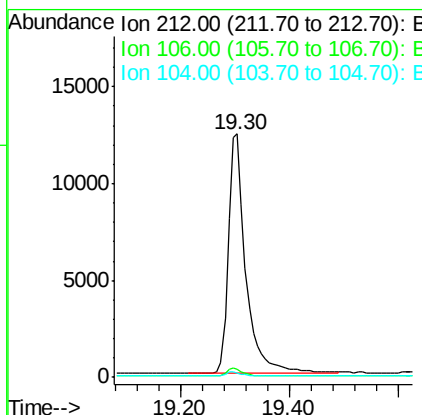
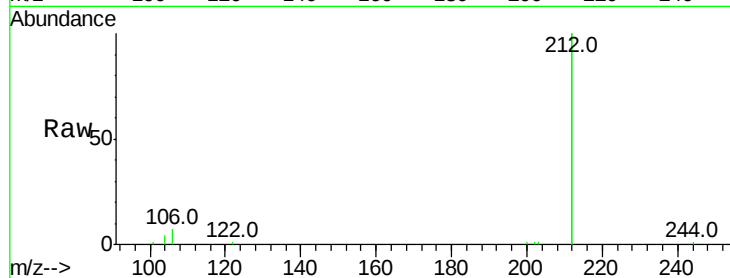
#25  
Fluoranthene-d10  
Concen: 0.232 ng  
RT: 19.30 min Scan# 1436  
Delta R.T. 0.02 min  
Lab File: BE094690.D  
Acq: 1 Nov 2017 14:35

Instrument :  
BNA\_E  
ClientSampleId :  
PB103176TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 3.3   | 2.8   | 4.2   |
| 104     | 1.9   | 1.6   | 2.4   |

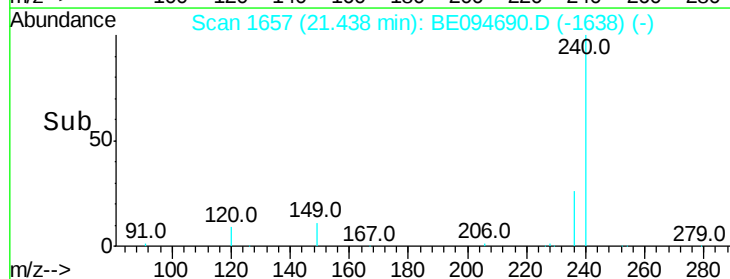
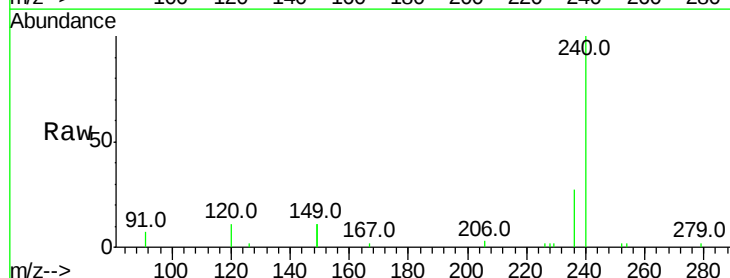
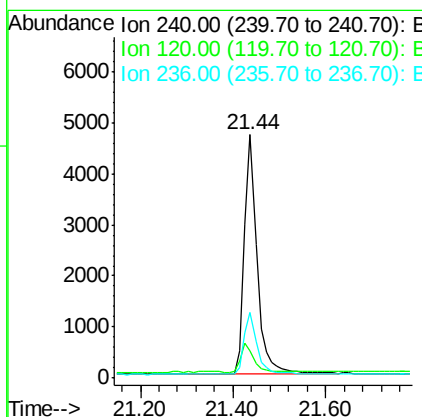
Manual Integrations  
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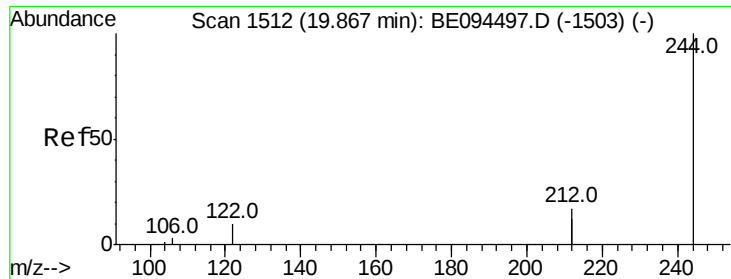
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#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.44 min Scan# 1657  
Delta R.T. 0.01 min  
Lab File: BE094690.D  
Acq: 1 Nov 2017 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.1  | 5.5   | 8.3#  |
| 236     | 26.9  | 20.7  | 31.1  |





#29

Terphenyl-d14

Concen: 0.260 ng

RT: 19.87 min Scan# 1513

Delta R.T. 0.01 min

Lab File: BE094690.D

Acq: 1 Nov 2017 14:35

Instrument :

BNA\_E

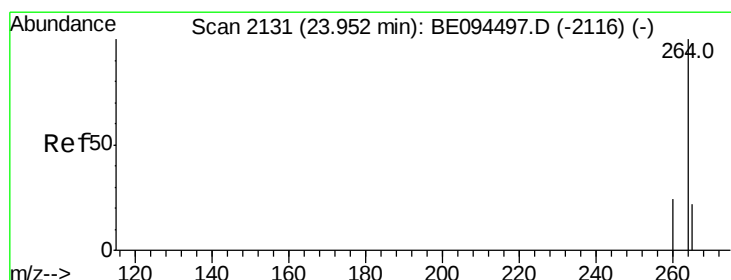
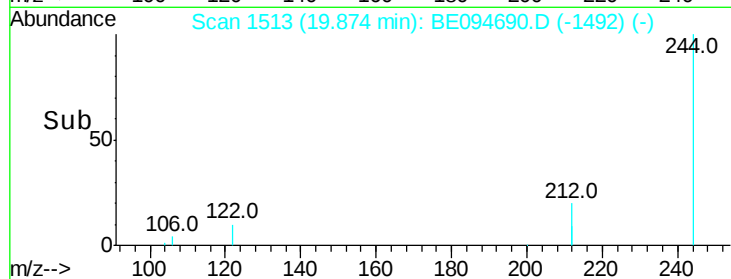
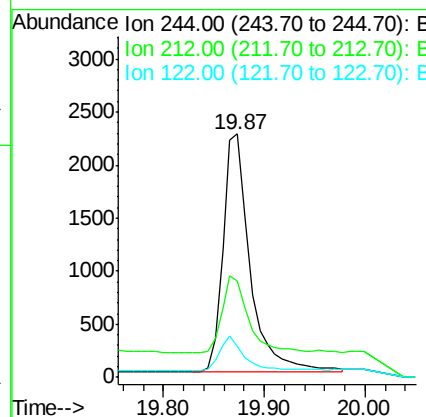
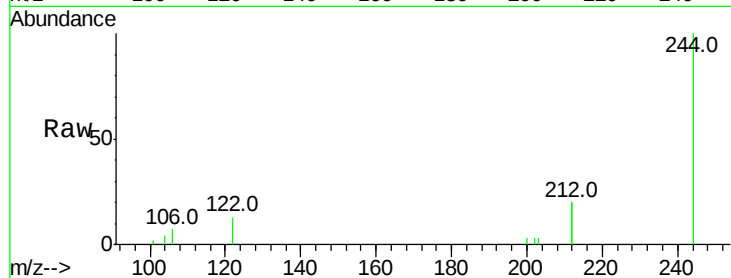
ClientSampleId :

PB103176TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 39.8  | 25.4  | 38.0  |
| 122     | 12.7  | 8.1   | 12.1  |

Manual Integrations  
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#34

Perylene-d12

Concen: 0.400 ng

RT: 23.97 min Scan# 2135

Delta R.T. 0.02 min

Lab File: BE094690.D

Acq: 1 Nov 2017 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 26.0  | 20.5  | 30.7  |
| 265     | 30.5  | 22.8  | 34.2  |

