

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110117\  
 Data File : BE094691.D  
 Acq On : 1 Nov 2017 15:11  
 Operator : SJ/JU  
 Sample : PB103273BL  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB103273BL

Manual Integrations  
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Quant Time: Nov 01 16:18:01 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  | 1011     | 0.40 | ng    | 0.01     |
| 7) Naphthalene-d8           | 10.76 | 136  | 6122m    | 0.40 | ng    | 0.05     |
| 13) Acenaphthene-d10        | 14.54 | 164  | 3474     | 0.40 | ng    | 0.03     |
| 19) Phenanthrene-d10        | 17.27 | 188  | 8328     | 0.40 | ng    | 0.03     |
| 27) Chrysene-d12            | 21.44 | 240  | 8317     | 0.40 | ng    | 0.01     |
| 34) Perylene-d12            | 23.98 | 264  | 7772     | 0.40 | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |      |       |          |
| 4) 2-Fluorophenol           | 5.56  | 112  | 676      | 0.20 | ng    | 0.04     |
| 5) Phenol-d6                | 7.30  | 99   | 1048m    | 0.20 | ng    | 0.16     |
| 8) Nitrobenzene-d5          | 9.20  | 82   | 1253m    | 0.26 | ng    | 0.12     |
| 11) 2-Methylnaphthalene-d10 | 12.35 | 152  | 2509     | 0.26 | ng    | 0.06     |
| 14) 2,4,6-Tribromophenol    | 16.09 | 330  | 178m     | 0.19 | ng    | 0.07     |
| 15) 2-Fluorobiphenyl        | 13.19 | 172  | 3610m    | 0.29 | ng    | 0.05     |
| 25) Fluoranthene-d10        | 19.30 | 212  | 26774    | 0.23 | ng    | 0.01     |
| 29) Terphenyl-d14           | 19.87 | 244  | 4071     | 0.26 | ng    | 0.00     |

Target Compounds Qvalue

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

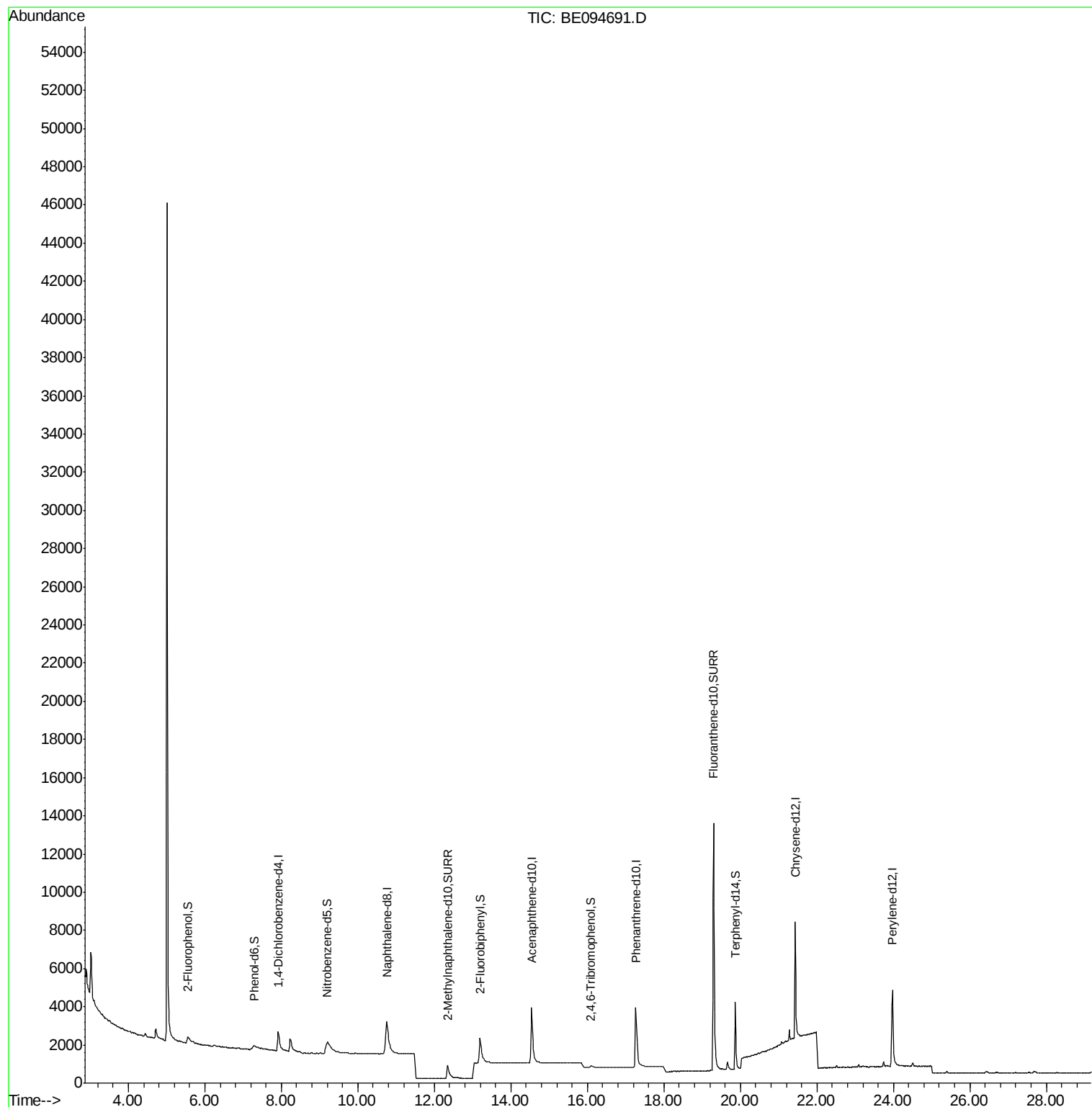
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110117\  
Data File : BE094691.D  
Acq On : 1 Nov 2017 15:11  
Operator : SJ/JU  
Sample : PB103273BL  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

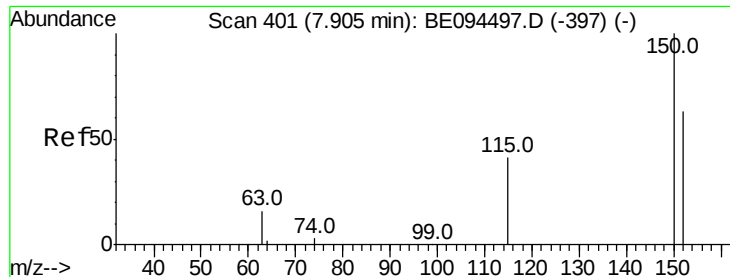
Instrument :  
BNA\_E  
ClientSampleId :  
PB103273BL

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Quant Time: Nov 01 16:18:01 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: BE094691.D

Acq: 1 Nov 2017 15:11

Instrument :

BNA\_E

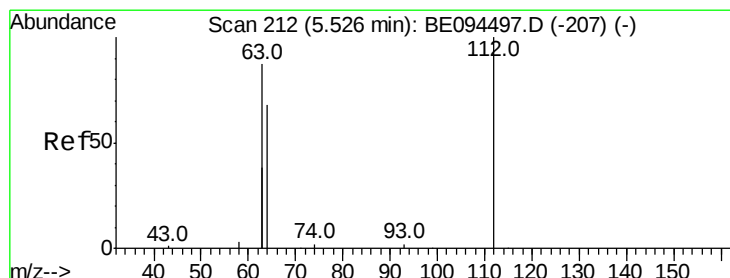
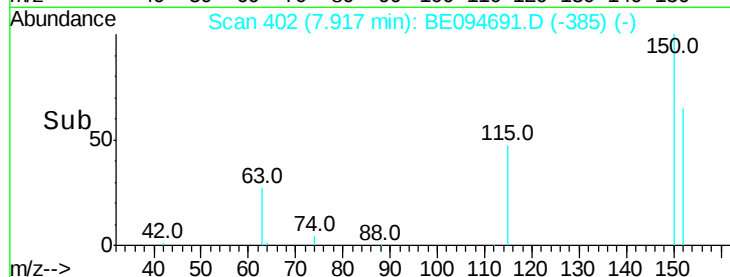
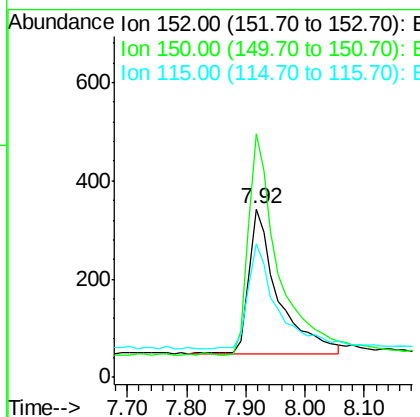
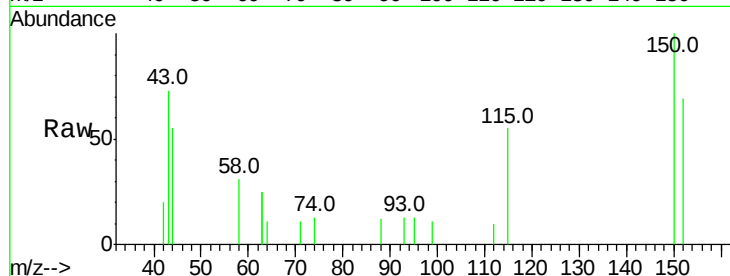
ClientSampleId :

PB103273BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 144.6 | 117.2 | 175.8 |
| 115     | 79.6  | 57.0  | 85.6  |

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#4

2-Fluorophenol

Concen: 0.195 ng

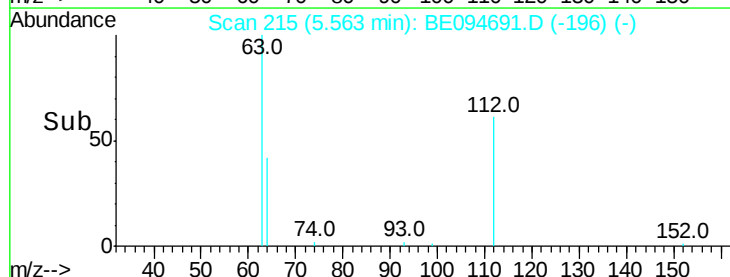
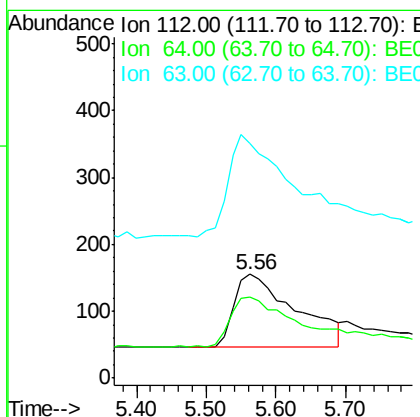
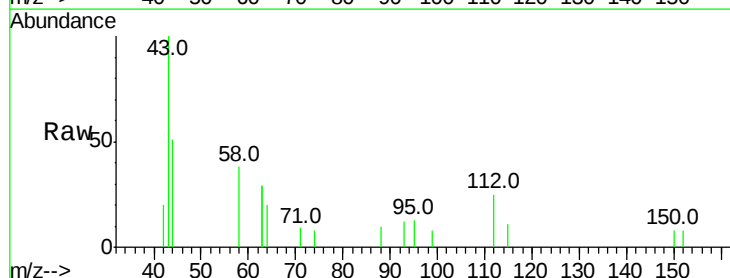
RT: 5.56 min Scan# 215

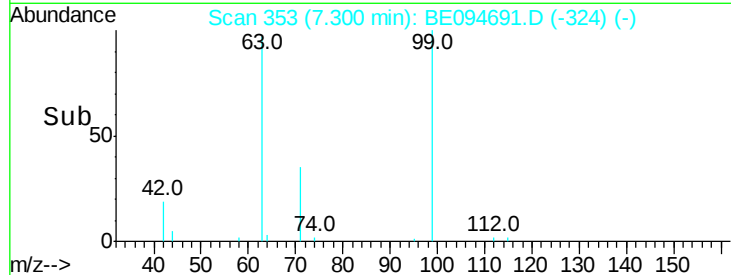
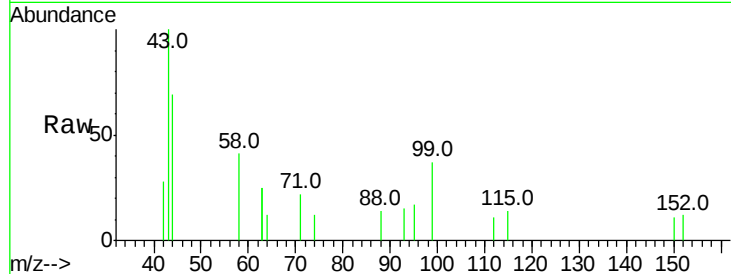
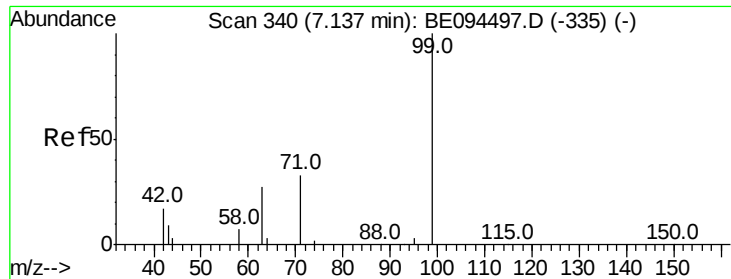
Delta R.T. 0.04 min

Lab File: BE094691.D

Acq: 1 Nov 2017 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 69.8  | 60.1  | 90.1  |
| 63      | 137.3 | 116.8 | 175.2 |





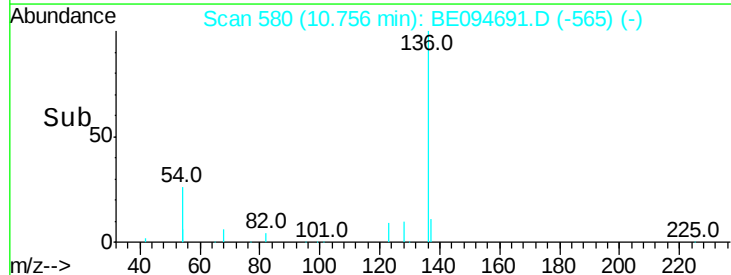
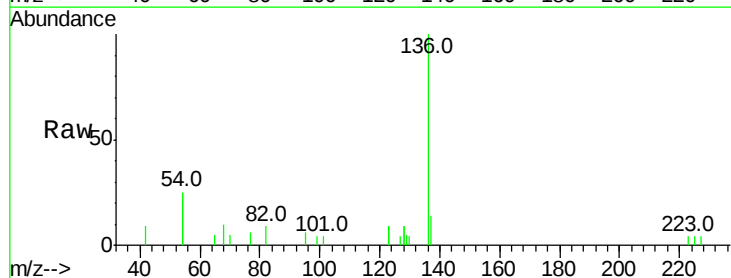
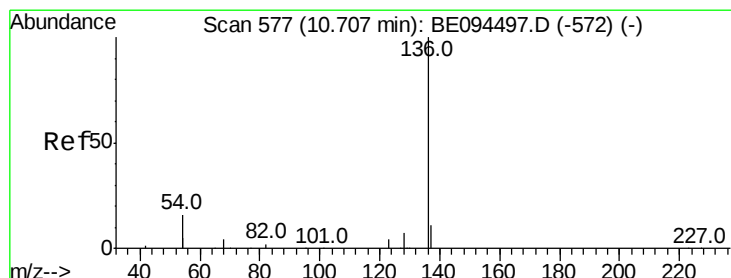
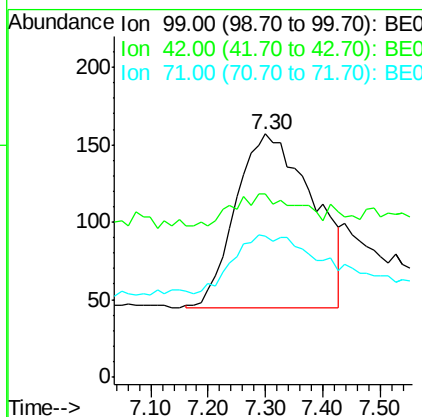
#5  
Phenol-d6  
Concen: 0.200 ng m  
RT: 7.30 min Scan# 353  
Delta R.T. 0.16 min  
Lab File: BE094691.D  
Acq: 1 Nov 2017 15:11

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 14.7  | 20.2  | 30.2# |
| 71      | 30.3  | 28.4  | 42.6  |

Instrument :  
BNA\_E  
ClientSampleId :  
PB103273BL

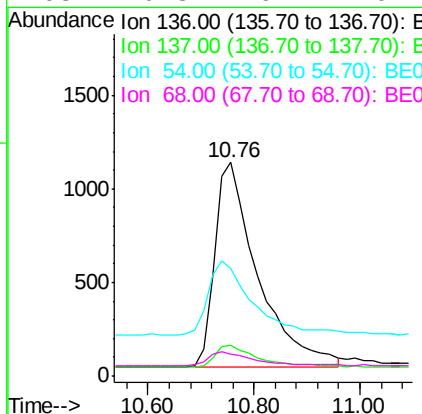
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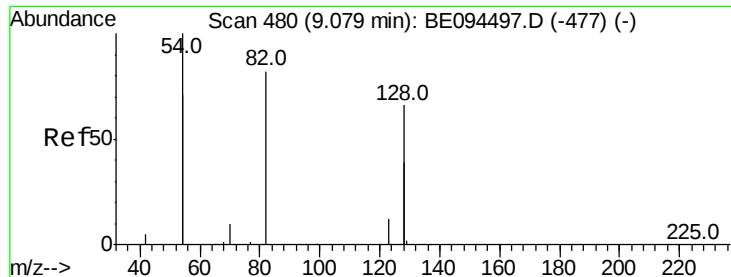
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#7  
Naphthalene-d8  
Concen: 0.400 ng m  
RT: 10.76 min Scan# 580  
Delta R.T. 0.05 min  
Lab File: BE094691.D  
Acq: 1 Nov 2017 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 14.4  | 9.5   | 14.3# |
| 54      | 25.2  | 29.1  | 43.7# |
| 68      | 10.3  | 6.2   | 9.2#  |





#8

Nitrobenzene-d5

Concen: 0.256 ng/ml

RT: 9.20 min Scan# 487

Delta R.T. 0.12 min

Lab File: BE094691.D

Acq: 1 Nov 2017 15:11

Instrument :

BNA\_E

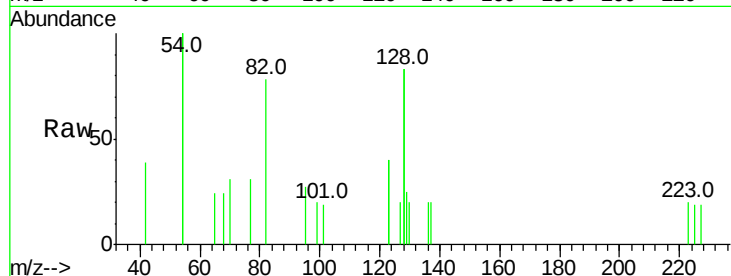
ClientSampled :

PB103273BL

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 82      | 100   |       |        |
| 128     | 106.5 | 150.0 | 225.0# |
| 54      | 127.6 | 154.2 | 231.4# |

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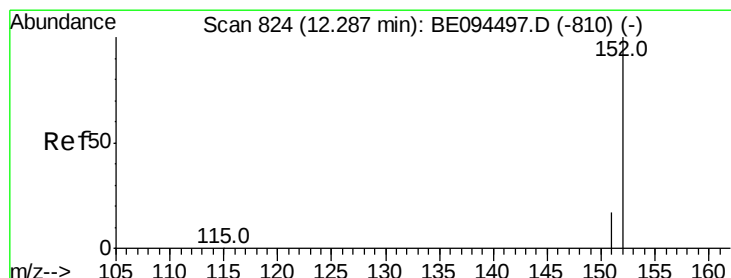
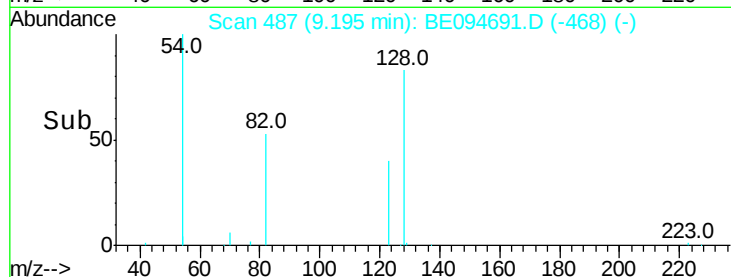
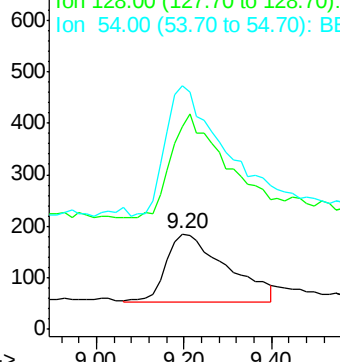
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Abundance Ion 82.00 (81.70 to 82.70): BE094497.D (-477) (-)

Ion 128.00 (127.70 to 128.70): BE094497.D (-477) (-)

Ion 54.00 (53.70 to 54.70): BE094497.D (-477) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.255 ng/ml

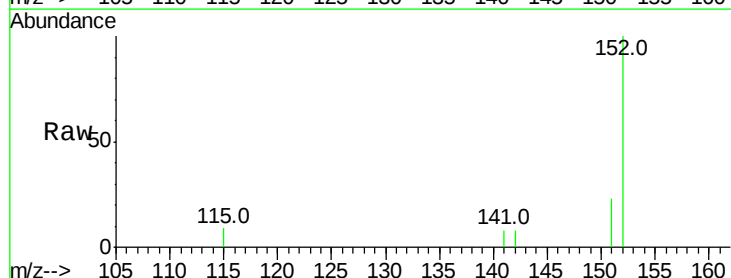
RT: 12.35 min Scan# 839

Delta R.T. 0.06 min

Lab File: BE094691.D

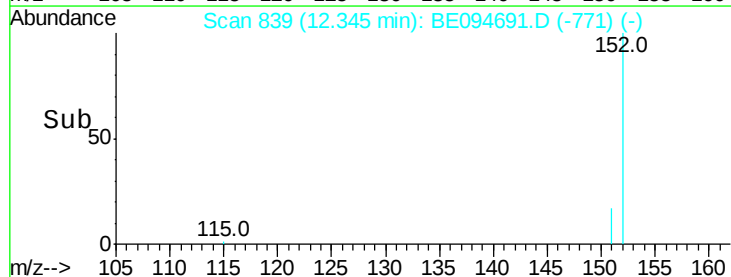
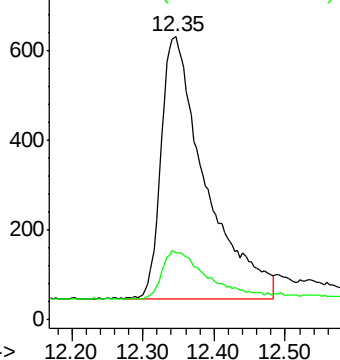
Acq: 1 Nov 2017 15:11

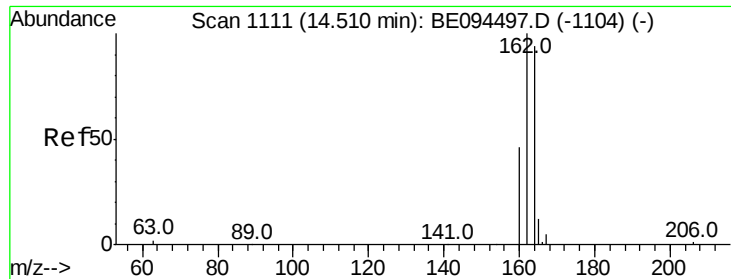
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.0  | 15.4  | 23.0  |



Abundance Ion 152.00 (151.70 to 152.70): BE094497.D (-810) (-)

Ion 151.00 (150.70 to 151.70): BE094497.D (-810) (-)





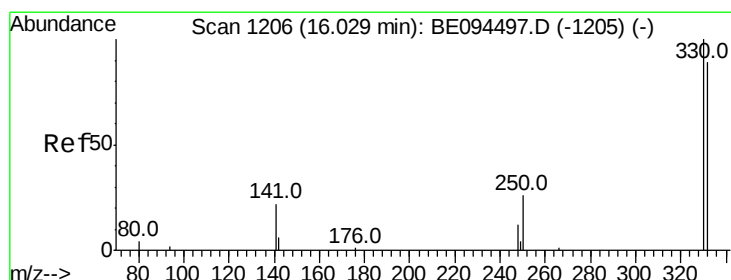
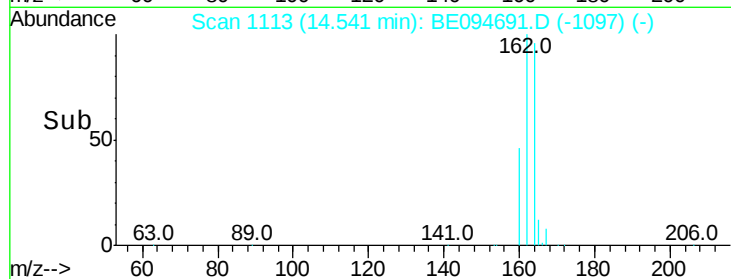
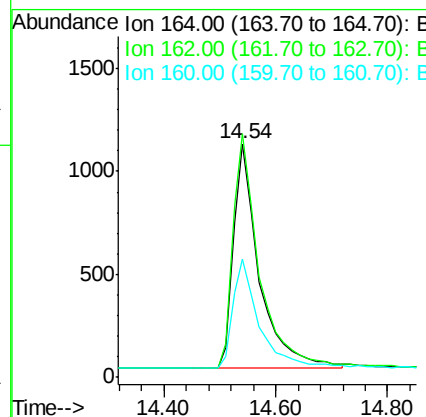
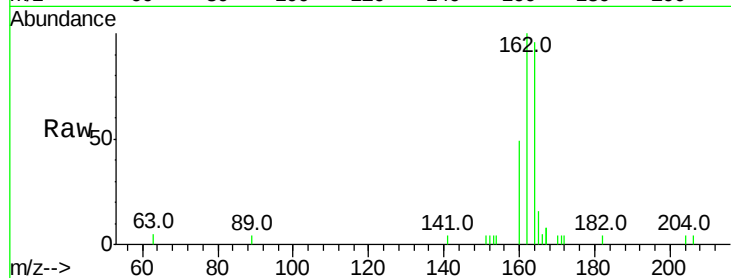
#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.54 min Scan# 1113  
 Delta R.T. 0.03 min  
 Lab File: BE094691.D  
 Acq: 1 Nov 2017 15:11

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB103273BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.1 | 83.1  | 124.7 |
| 160     | 50.7  | 37.1  | 55.7  |

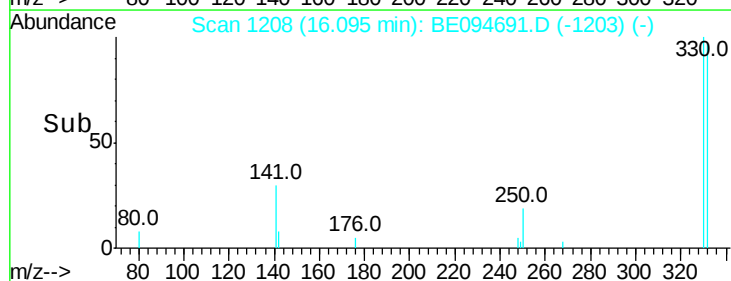
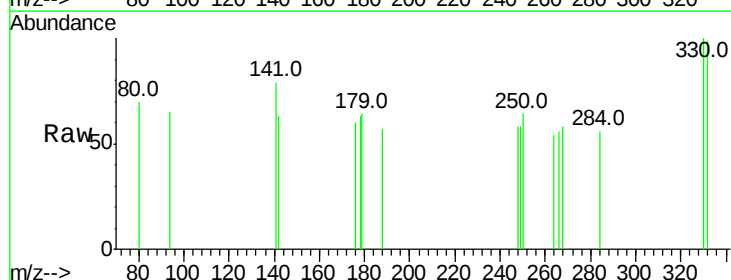
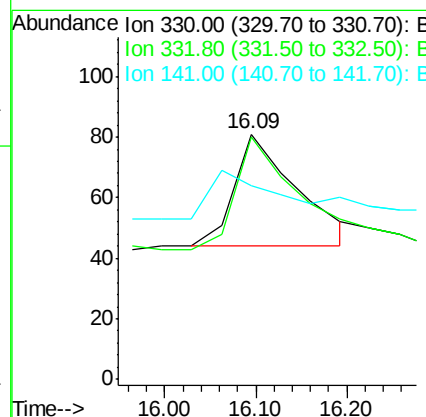
Manual Integrations  
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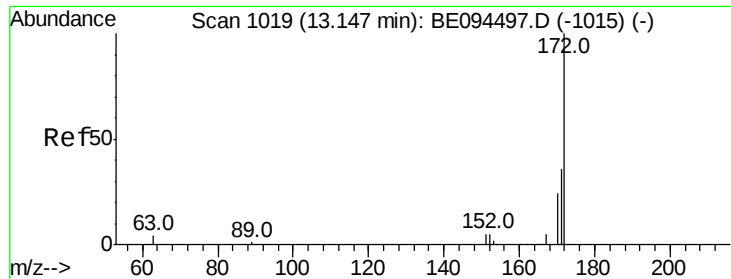
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#14  
 2,4,6-Tribromophenol  
 Concen: 0.186 ng m  
 RT: 16.09 min Scan# 1208  
 Delta R.T. 0.07 min  
 Lab File: BE094691.D  
 Acq: 1 Nov 2017 15:11

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 330     | 100   |       |        |
| 332     | 72.5  | 152.7 | 229.1# |
| 141     | 0.0   | 33.7  | 50.5#  |





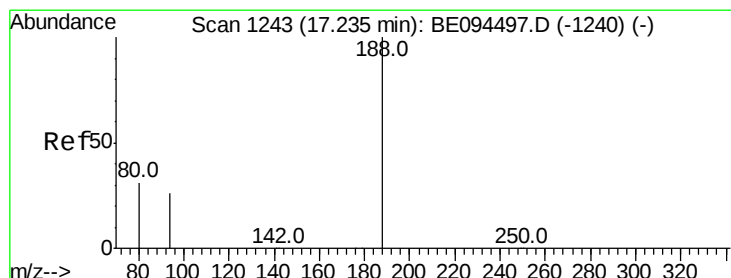
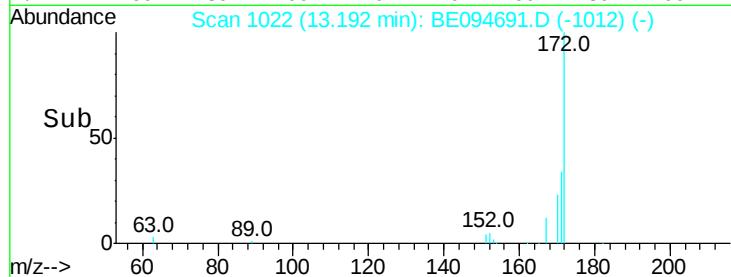
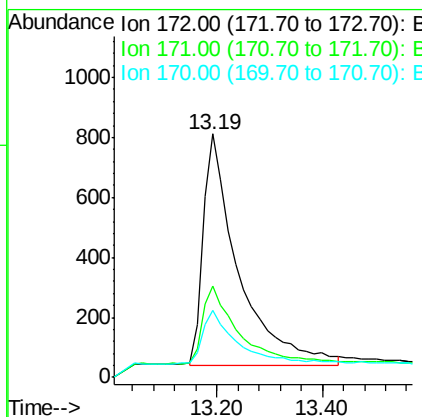
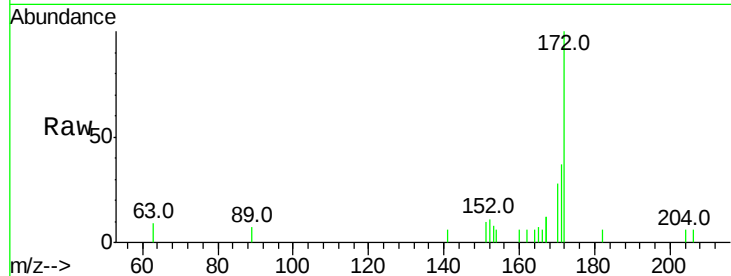
#15  
2-Fluorobiphenyl  
Concen: 0.295 ng/ml  
RT: 13.19 min Scan# 1022  
Delta R.T. 0.05 min  
Lab File: BE094691.D  
Acq: 1 Nov 2017 15:11

Instrument :  
BNA\_E  
ClientSampled :  
PB103273BL

Tot Ion:172 Resp: 3610  
Ion Ratio Lower Upper  
172 100  
171 37.3 29.9 44.9  
170 27.6 21.8 32.8

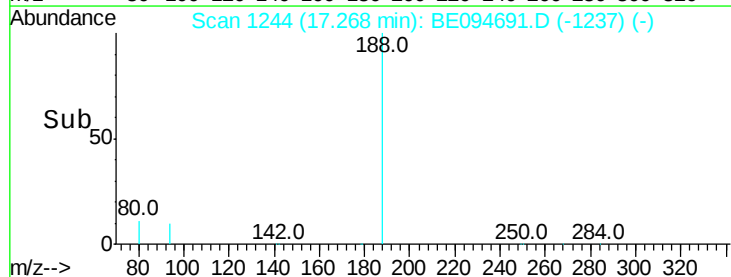
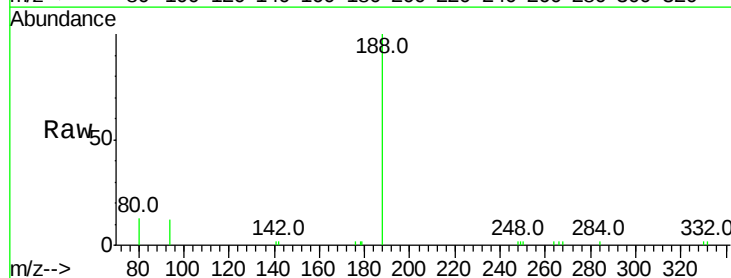
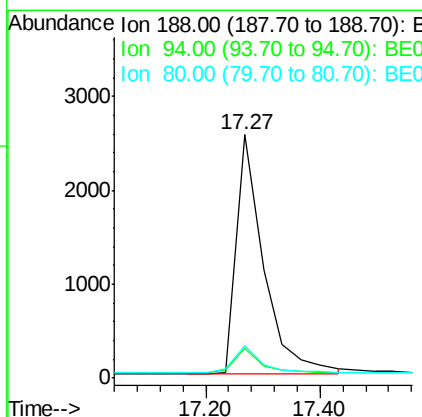
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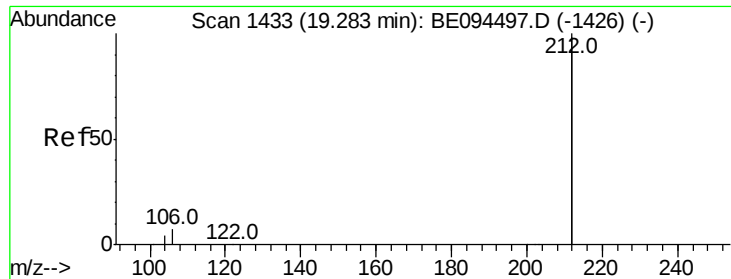
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#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.27 min Scan# 1244  
Delta R.T. 0.03 min  
Lab File: BE094691.D  
Acq: 1 Nov 2017 15:11

Tgt Ion:188 Resp: 8328  
Ion Ratio Lower Upper  
188 100  
94 12.4 3.9 5.9#  
80 13.1 3.6 5.4#





#25

Fluoranthene-d10

Concen: 0.229 ng

RT: 19.30 min Scan# 1435

Delta R.T. 0.01 min

Lab File: BE094691.D

Acq: 1 Nov 2017 15:11

Instrument :

BNA\_E

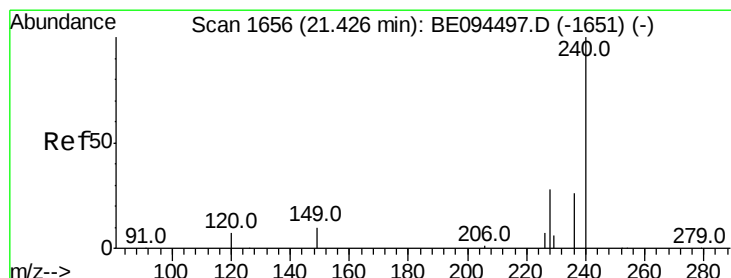
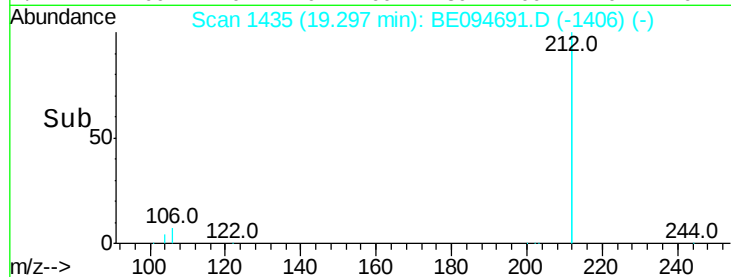
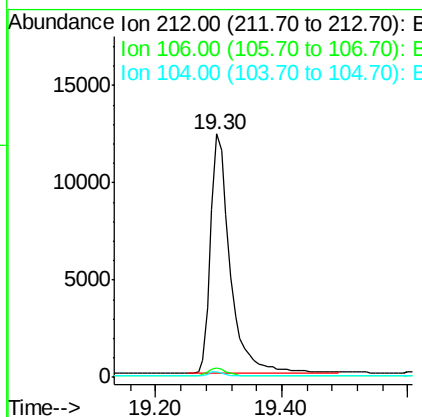
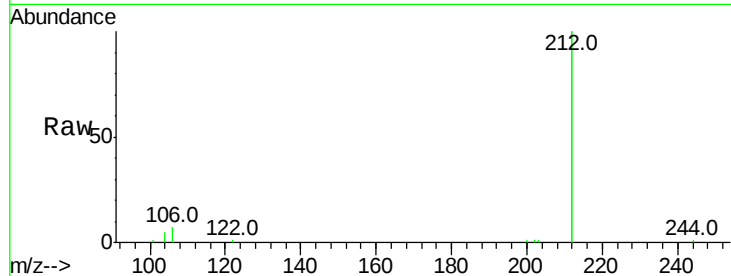
ClientSampleId :

PB103273BL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 212   | Resp: | 26774 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 3.4   | 2.8   | 4.2   |
| 104       | 1.8   | 1.6   | 2.4   |

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#27

Chrysene-d12

Concen: 0.400 ng

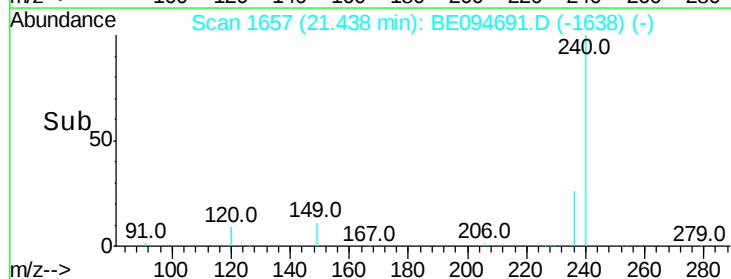
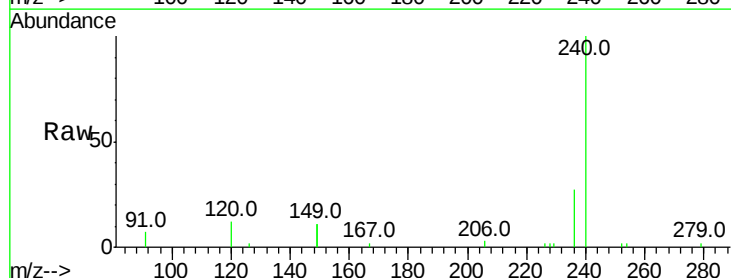
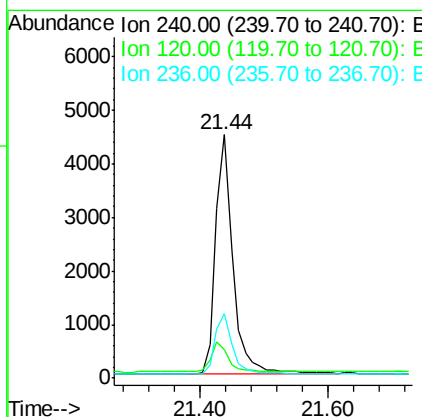
RT: 21.44 min Scan# 1657

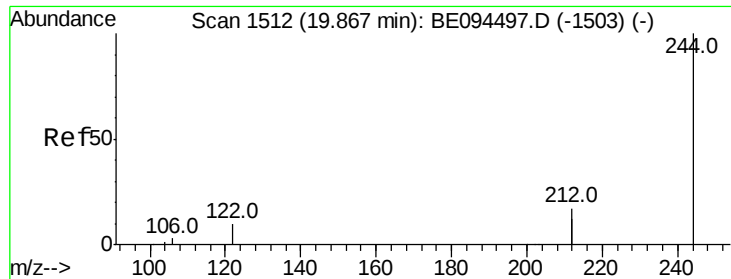
Delta R.T. 0.01 min

Lab File: BE094691.D

Acq: 1 Nov 2017 15:11

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 240   | Resp: | 8317 |
| Ion Ratio | Lower | Upper |      |
| 240       | 100   |       |      |
| 120       | 11.9  | 5.5   | 8.3# |
| 236       | 26.7  | 20.7  | 31.1 |





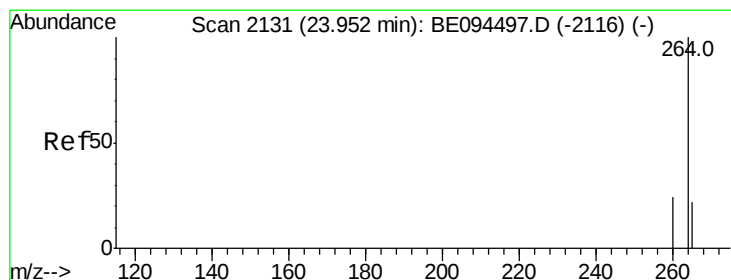
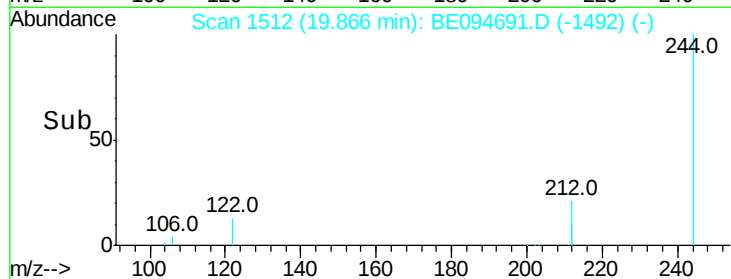
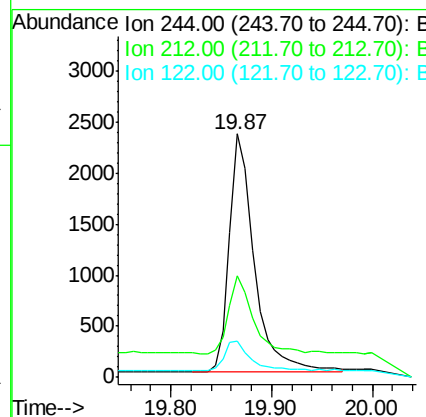
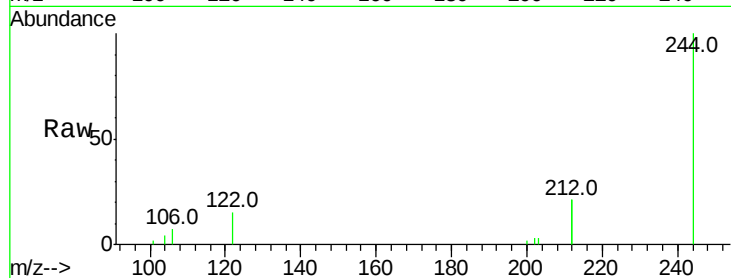
#29  
 Terphenyl-d14  
 Concen: 0.260 ng  
 RT: 19.87 min Scan# 1512  
 Delta R.T. -0.00 min  
 Lab File: BE094691.D  
 Acq: 1 Nov 2017 15:11

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB103273BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 41.6  | 25.4  | 38.0  |
| 122     | 14.9  | 8.1   | 12.1  |

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#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.98 min Scan# 2136  
 Delta R.T. 0.02 min  
 Lab File: BE094691.D  
 Acq: 1 Nov 2017 15:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.7  | 20.5  | 30.7  |
| 265     | 29.9  | 22.8  | 34.2  |

