

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE072017\  
 Data File : BE093497.D  
 Acq On : 20 Jul 2017 12:26  
 Operator : SJ/JU  
 Sample : I4199-13  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 3575-DB

Manual Integrations  
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Sohil  
 7/21/2017 5:10:43 PM

Quant Time: Jul 20 18:17:09 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE070217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 03 06:40:23 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.94  | 152  | 3849     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.72 | 136  | 21905    | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.54 | 164  | 14348    | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.27 | 188  | 37178    | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.43 | 240  | 38290    | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.94 | 264  | 32271    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.53  | 112  | 3211     | 0.28  | ng    | 0.00     |
| 5) Phenol-d6                   | 7.11  | 99   | 3621     | 0.21  | ng    | 0.01     |
| 8) Nitrobenzene-d5             | 9.08  | 82   | 6416     | 0.46  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.31 | 152  | 11851    | 0.34  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 16.03 | 330  | 3068     | 0.68  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 13.18 | 172  | 30014    | 0.54  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 19.29 | 212  | 148876   | 0.33  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.87 | 244  | 36005    | 0.53  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 22) Pentachlorophenol          | 16.94 | 266  | 8344m    | 2.177 | ng    | Qvalue   |
| 32) Bis(2-ethylhexyl)phthalate | 21.33 | 149  | 197118   | 1.324 | ng    | # 67     |

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

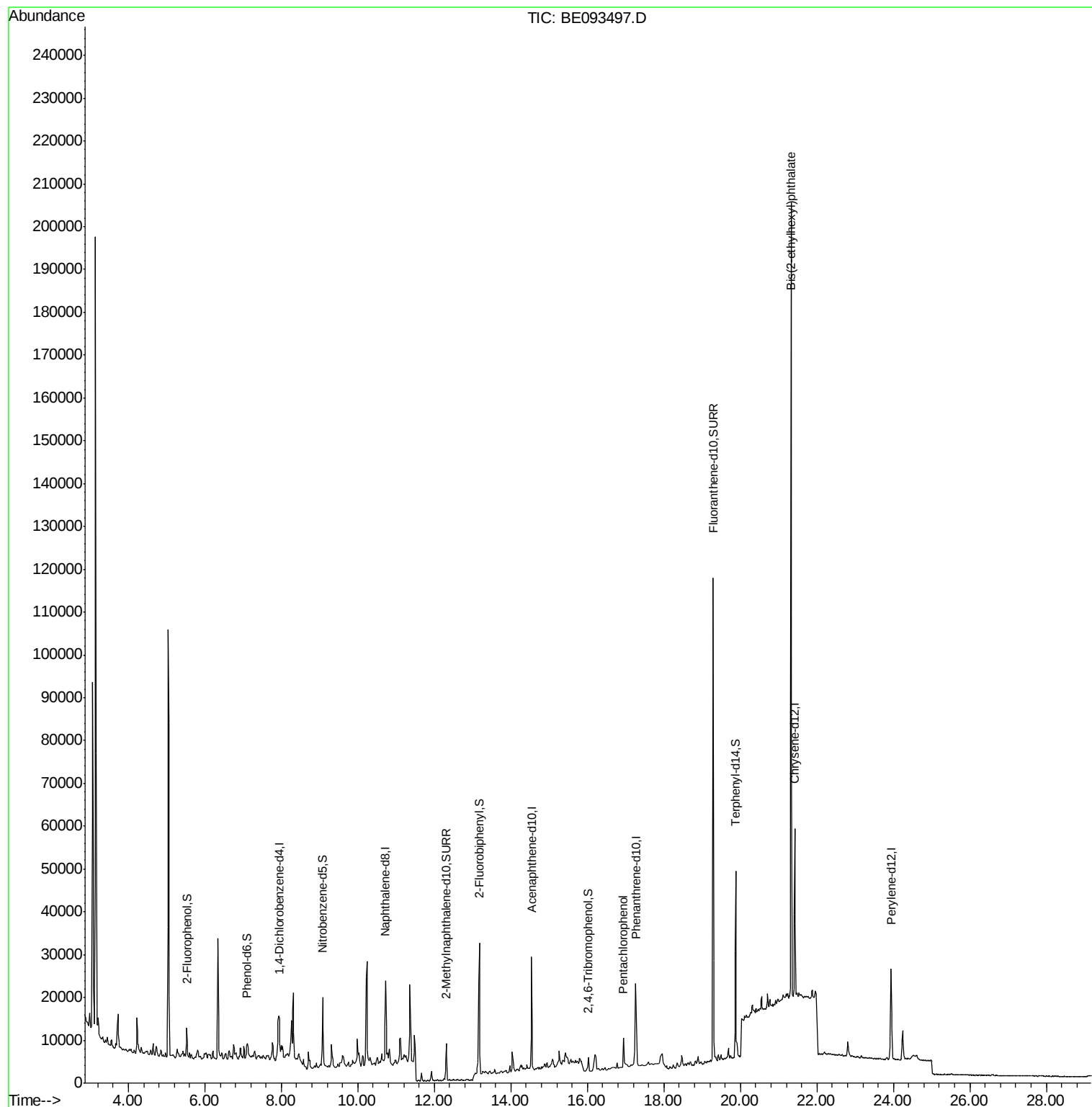
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE072017\  
Data File : BE093497.D  
Acq On : 20 Jul 2017 12:26  
Operator : SJ/JU  
Sample : I4199-13  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

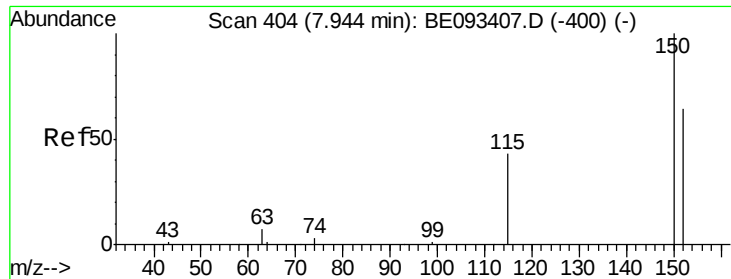
Instrument :  
BNA\_E  
ClientSampleId :  
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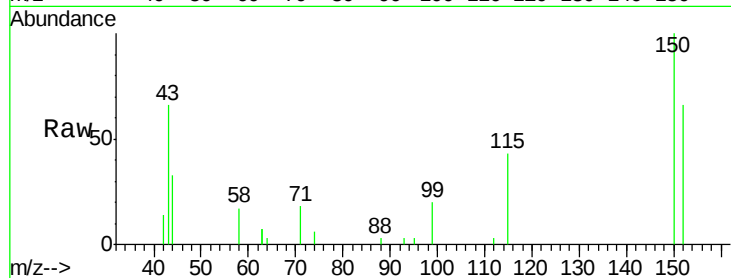
Quant Time: Jul 20 18:17:09 2017  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE070217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 03 06:40:23 2017  
Response via : Initial Calibration





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.94 min Scan# 404  
 Delta R.T. -0.00 min  
 Lab File: BE093497.D  
 Acq: 20 Jul 2017 12:26

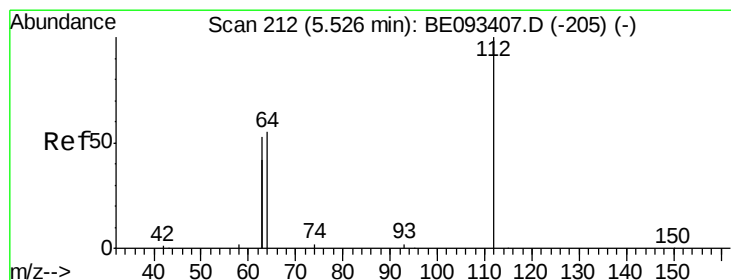
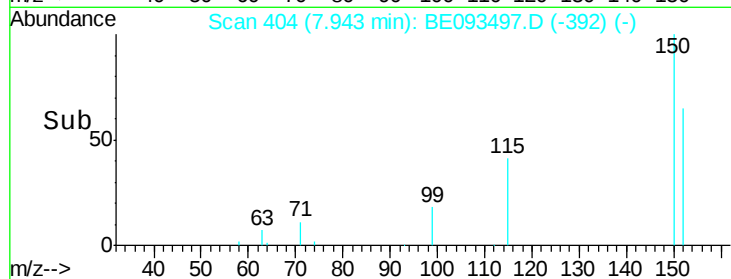
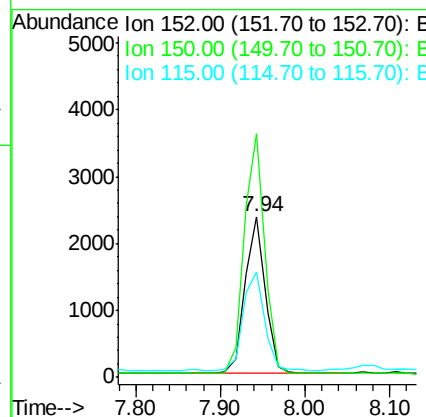
Instrument :  
 BNA\_E  
 ClientSampleID :  
 3575-DB



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 151.8 | 125.1 | 187.7 |
| 115     | 65.4  | 55.7  | 83.5  |

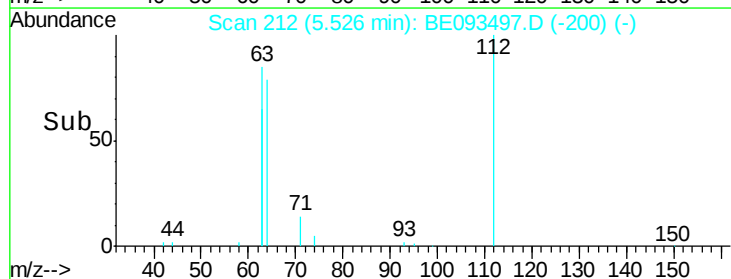
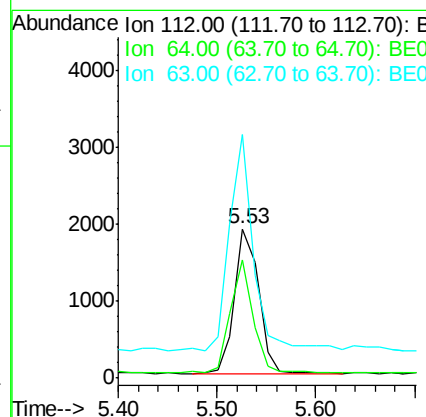
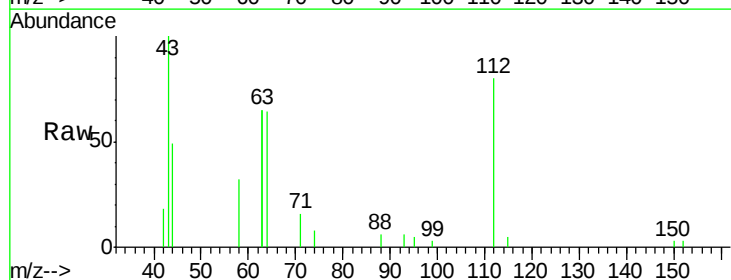
Manual Integrations  
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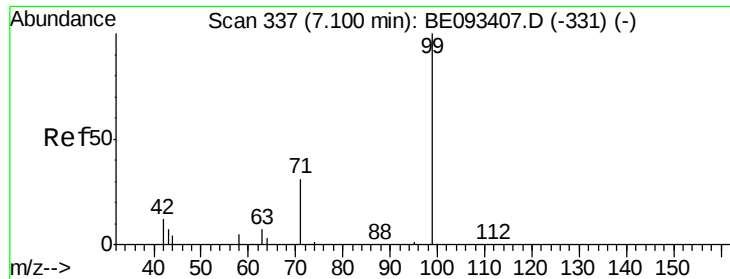
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#4  
 2-Fluorophenol  
 Concen: 0.276 ng  
 RT: 5.53 min Scan# 212  
 Delta R.T. -0.00 min  
 Lab File: BE093497.D  
 Acq: 20 Jul 2017 12:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 72.3  | 56.4  | 84.6  |
| 63      | 150.5 | 29.3  | 43.9# |





#5

Phenol-d6

Concen: 0.211 ng

RT: 7.11 min Scan# 338

Delta R.T. 0.01 min

Lab File: BE093497.D

Acq: 20 Jul 2017 12:26

Instrument :

BNA\_E

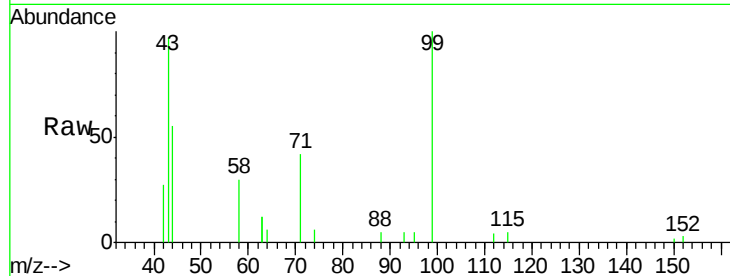
ClientSampled :

3575-DB

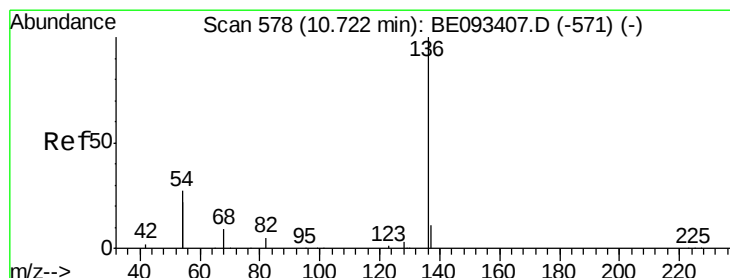
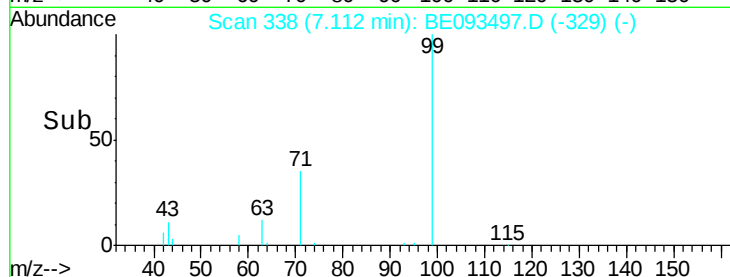
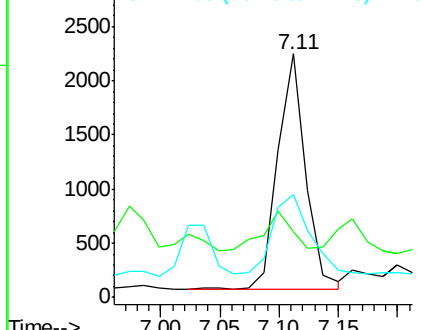
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 99    | Resp: | 3621 |
| Ion Ratio | Lower | Upper |      |
| 99        | 100   |       |      |
| 42        | 17.3  | 0.0   | 0.0# |
| 71        | 45.4  | 0.0   | 0.0# |

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Abundance Ion 99.00 (98.70 to 99.70): BE0  
Ion 42.00 (41.70 to 42.70): BE0  
Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

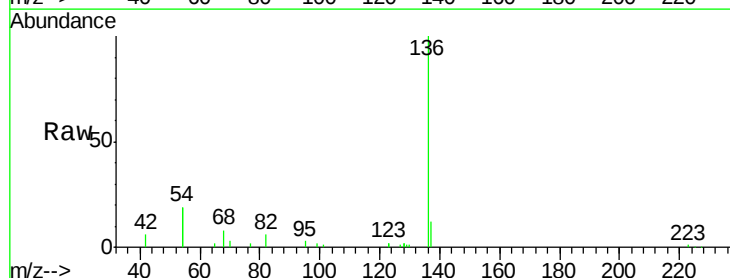
RT: 10.72 min Scan# 578

Delta R.T. 0.00 min

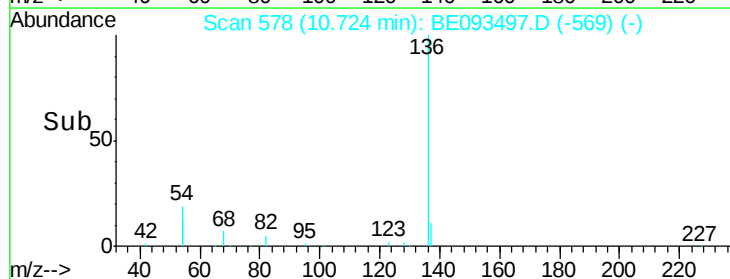
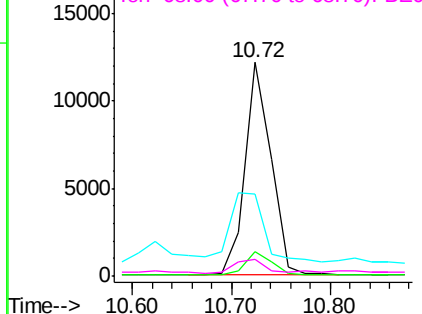
Lab File: BE093497.D

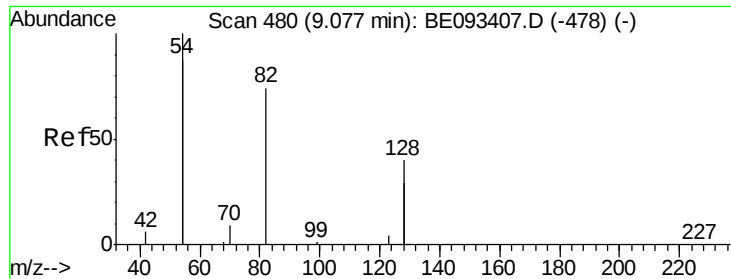
Acq: 20 Jul 2017 12:26

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 21905 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.6  | 9.8   | 14.8  |
| 54        | 38.5  | 10.3  | 15.5# |
| 68        | 8.0   | 9.0   | 13.4# |



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): BE0  
Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.459 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE093497.D

Acq: 20 Jul 2017 12:26

Instrument :

BNA\_E

ClientSampleId :

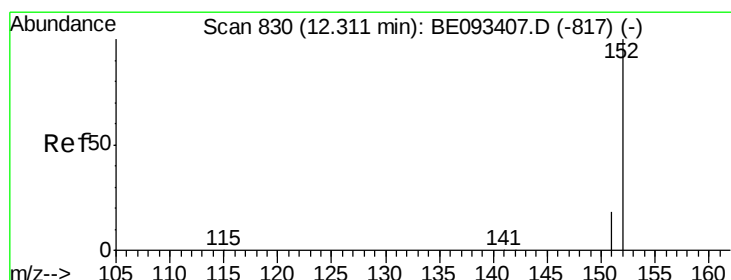
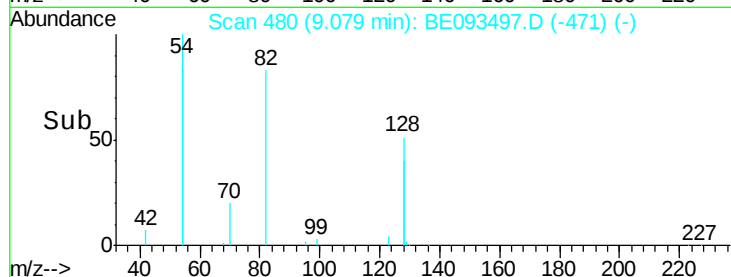
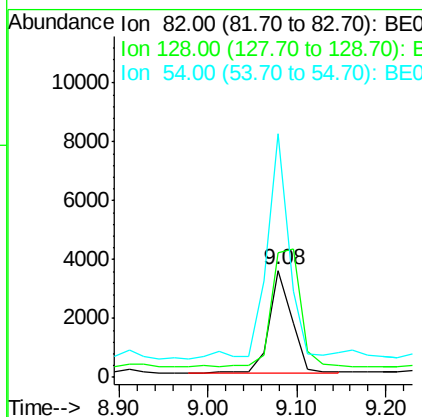
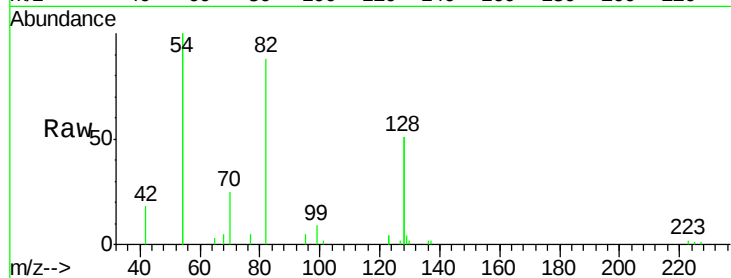
3575-DB

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 116.2 | 17.0  | 25.4# |
| 54      | 228.1 | 53.8  | 80.6# |

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#11

2-Methylnaphthalene-d10

Concen: 0.339 ng

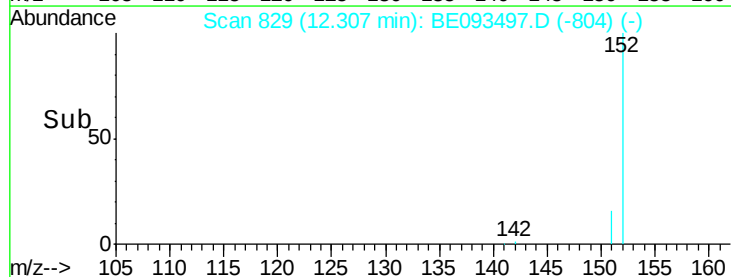
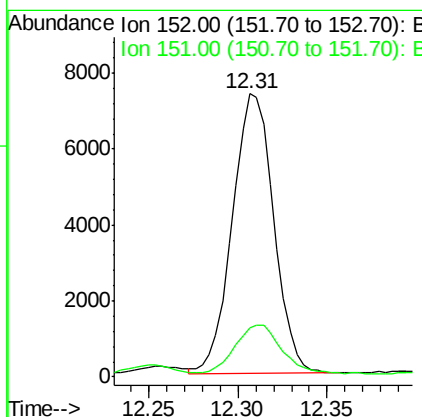
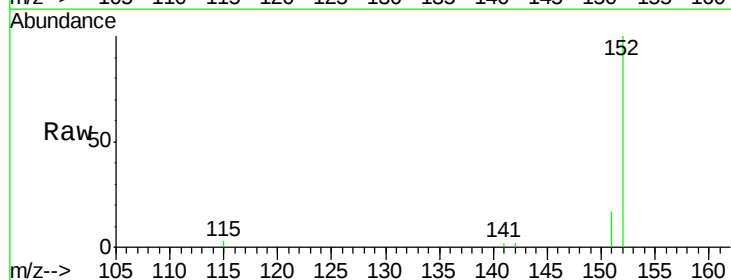
RT: 12.31 min Scan# 829

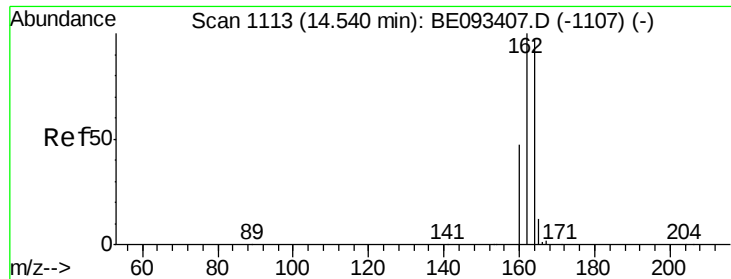
Delta R.T. -0.00 min

Lab File: BE093497.D

Acq: 20 Jul 2017 12:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.5  | 15.1  | 22.7  |





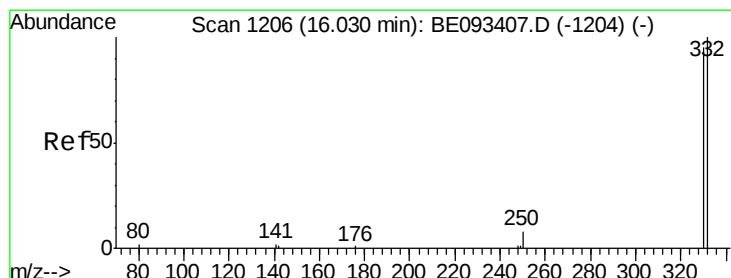
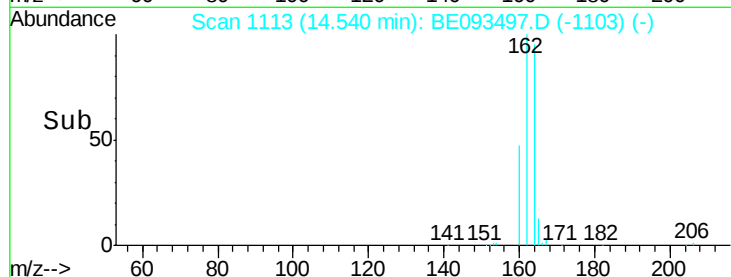
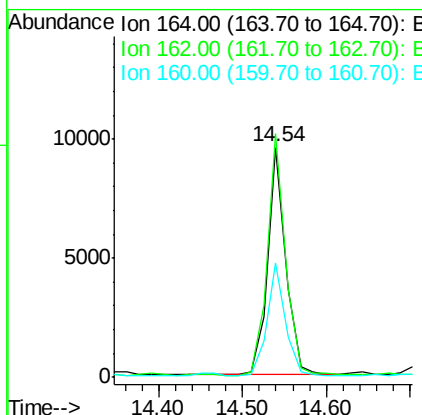
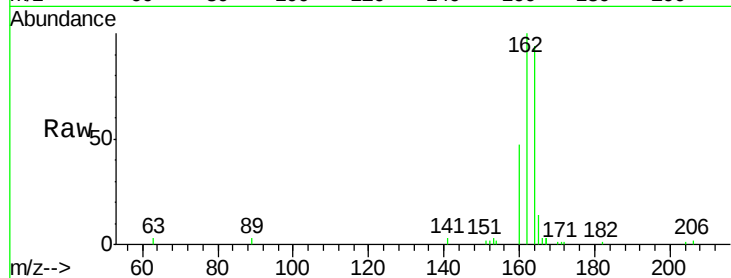
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.54 min Scan# 1113  
Delta R.T. -0.00 min  
Lab File: BE093497.D  
Acq: 20 Jul 2017 12:26

Instrument :  
BNA\_E  
ClientSampled :  
3575-DB

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 106.0 | 84.6  | 127.0 |
| 160     | 49.9  | 41.8  | 62.6  |

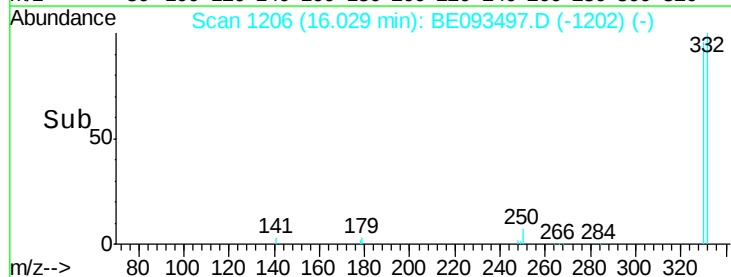
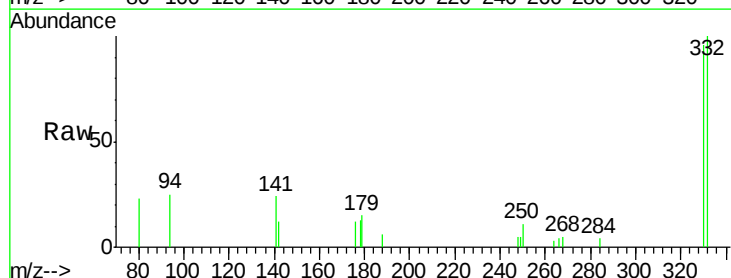
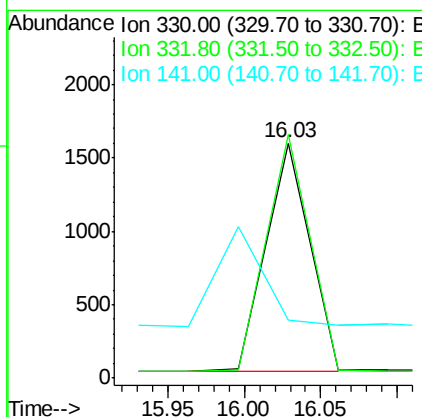
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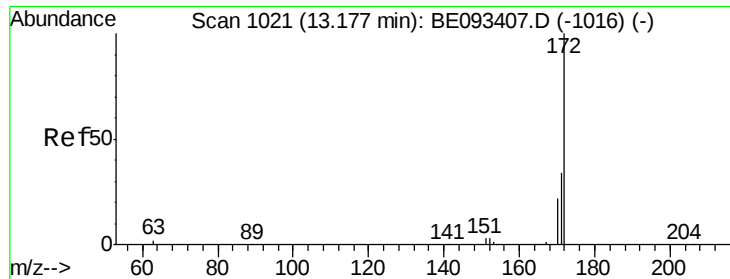
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#14  
2,4,6-Tribromophenol  
Concen: 0.680 ng  
RT: 16.03 min Scan# 1206  
Delta R.T. -0.00 min  
Lab File: BE093497.D  
Acq: 20 Jul 2017 12:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 104.1 | 77.7  | 116.5 |
| 141     | 0.0   | 56.2  | 84.4# |





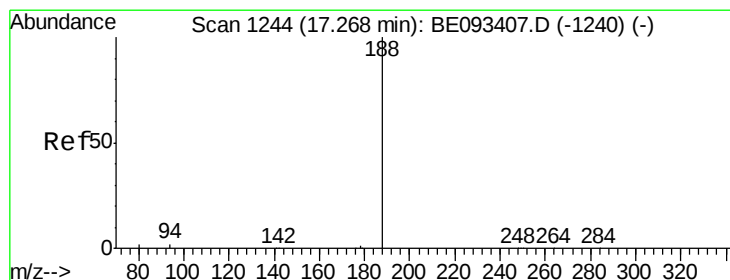
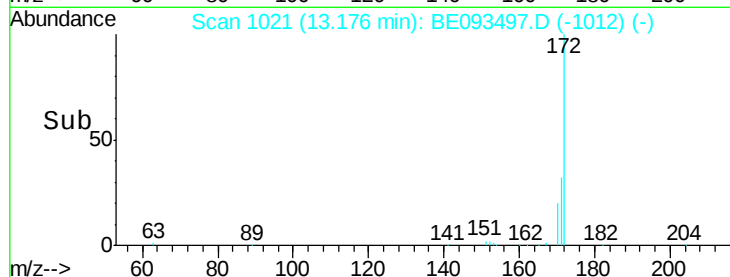
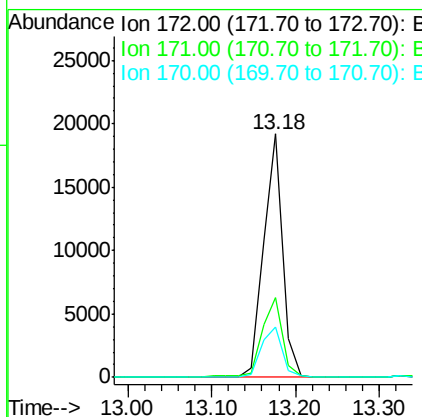
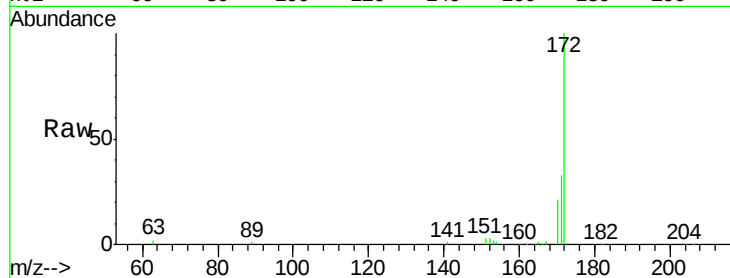
#15  
2-Fluorobiphenyl  
Concen: 0.539 ng  
RT: 13.18 min Scan# 1021  
Delta R.T. -0.00 min  
Lab File: BE093497.D  
Acq: 20 Jul 2017 12:26

Instrument :  
BNA\_E  
ClientSampled :  
3575-DB

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 32.8  | 29.8  | 44.6  |
| 170     | 20.6  | 20.7  | 31.1# |

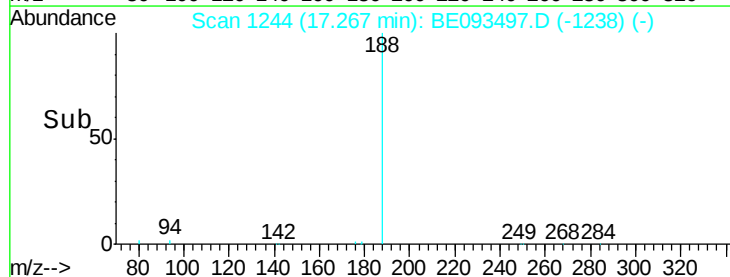
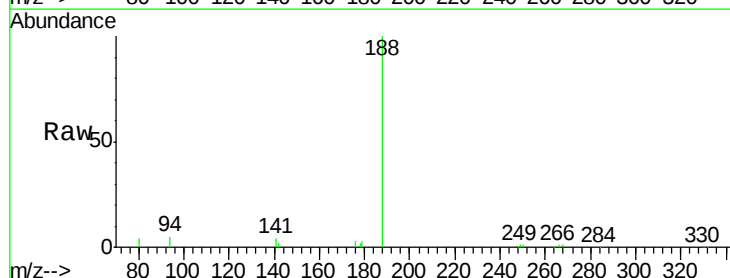
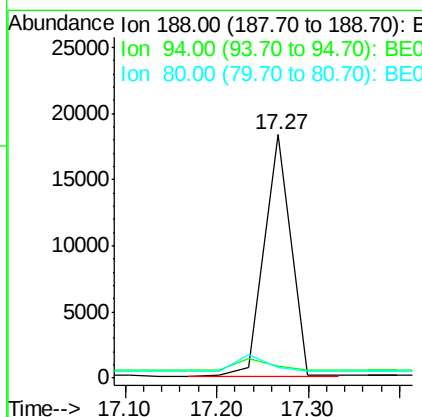
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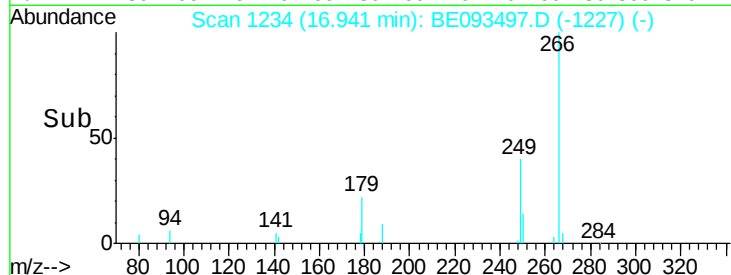
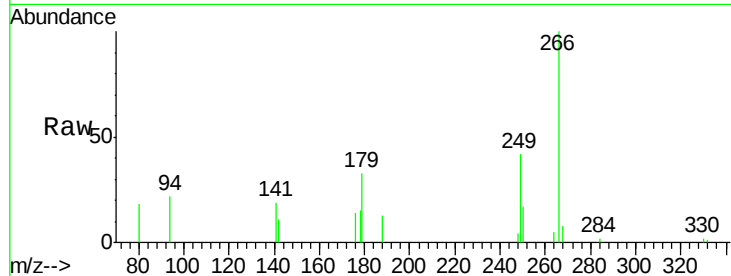
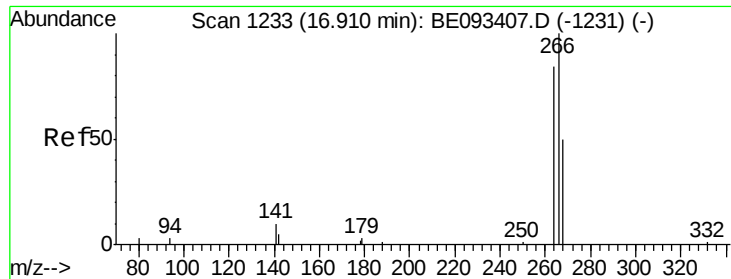
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#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.27 min Scan# 1244  
Delta R.T. -0.00 min  
Lab File: BE093497.D  
Acq: 20 Jul 2017 12:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 5.1   | 11.3  | 16.9# |
| 80      | 4.3   | 11.7  | 17.5# |





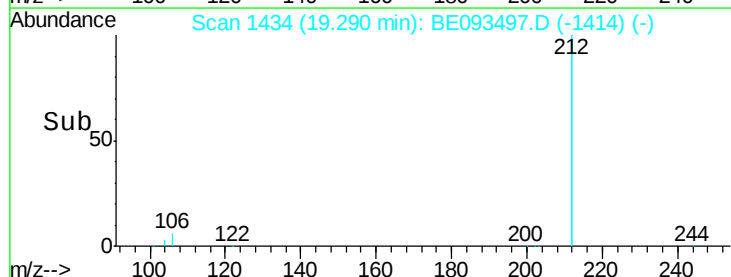
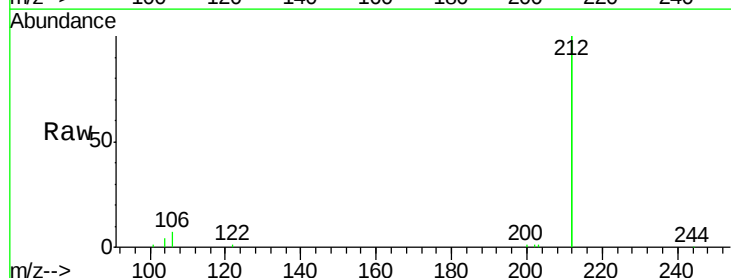
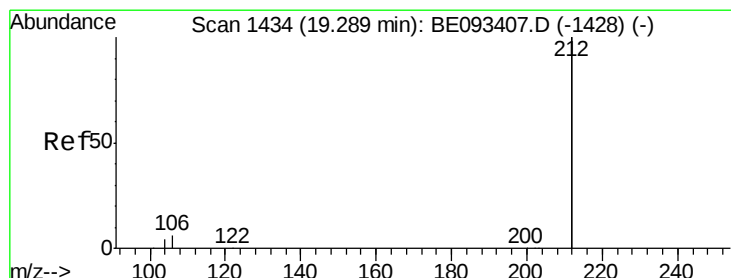
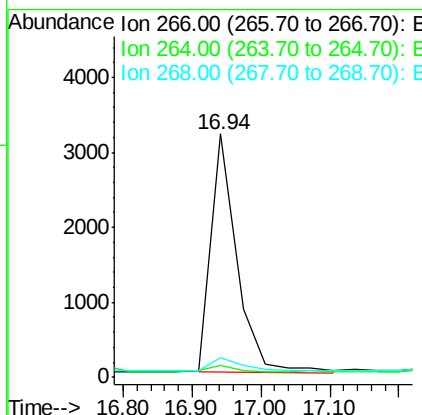
#22  
Pentachlorophenol  
Concen: 2.177 ng m  
RT: 16.94 min Scan# 1234  
Delta R.T. 0.03 min  
Lab File: BE093497.D  
Acq: 20 Jul 2017 12:26

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 266     | 100   |       |        |
| 264     | 4.7   | 58.2  | 87.2#  |
| 268     | 7.9   | 71.9  | 107.9# |

Instrument :  
BNA\_E  
ClientSampleId :  
3575-DB

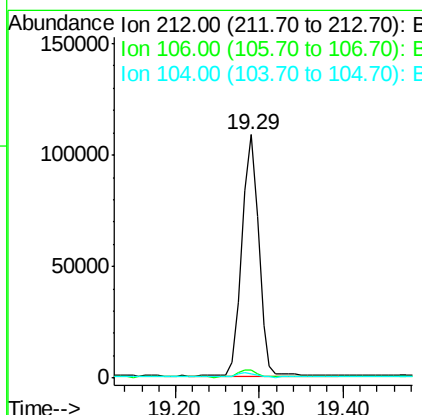
Manual Integrations  
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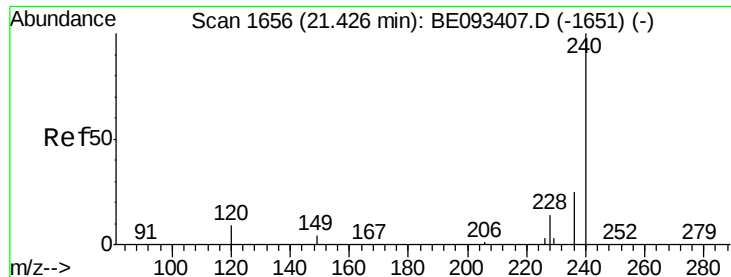
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#25  
Fluoranthene-d10  
Concen: 0.332 ng  
RT: 19.29 min Scan# 1434  
Delta R.T. 0.00 min  
Lab File: BE093497.D  
Acq: 20 Jul 2017 12:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 3.3   | 2.4   | 3.6   |
| 104     | 1.9   | 1.6   | 2.4   |





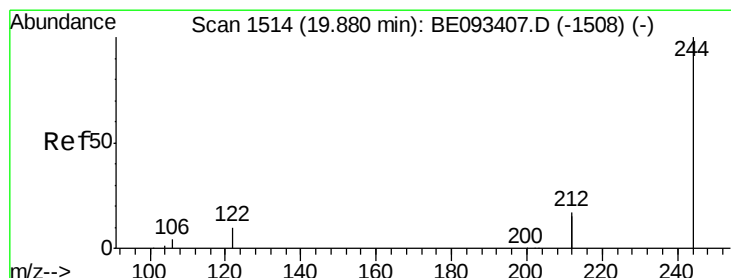
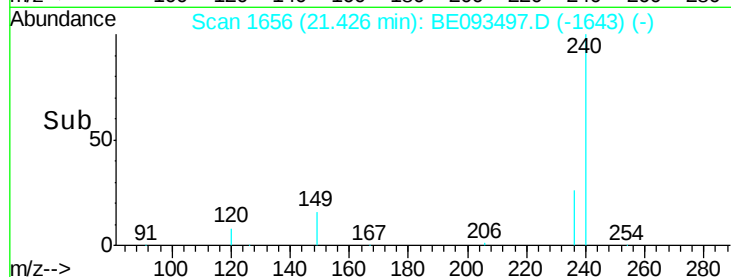
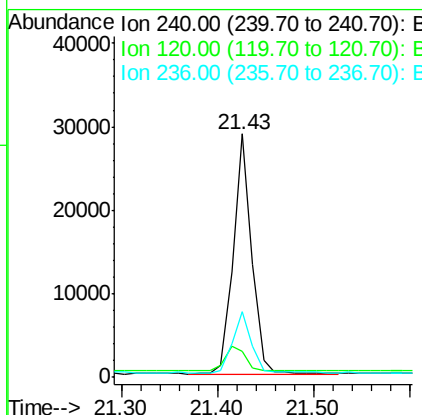
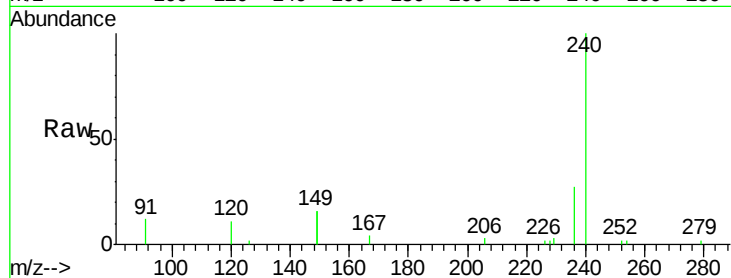
#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.43 min Scan# 1656  
 Delta R.T. -0.00 min  
 Lab File: BE093497.D  
 Acq: 20 Jul 2017 12:26

Instrument :  
 BNA\_E  
 ClientSampleID :  
 3575-DB

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.8  | 4.6   | 7.0#  |
| 236     | 27.2  | 20.8  | 31.2  |

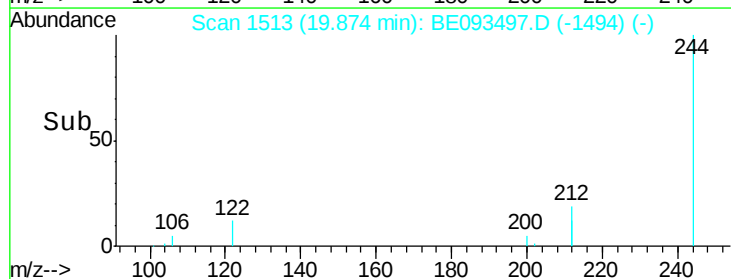
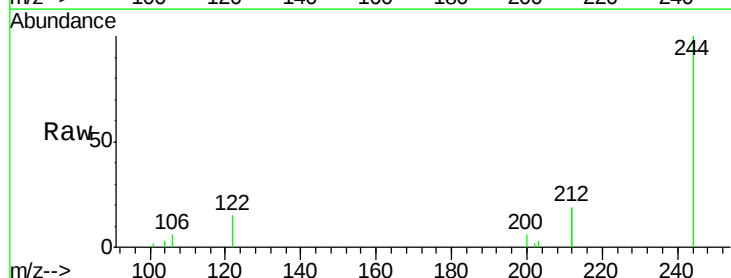
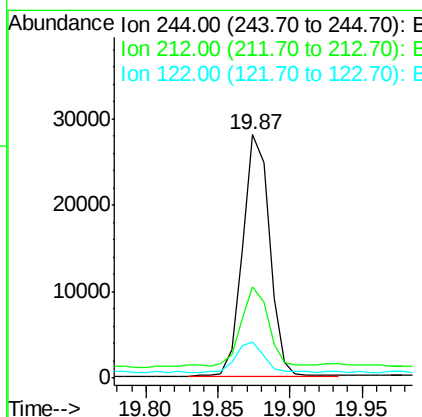
Manual Integrations  
 APPROVED

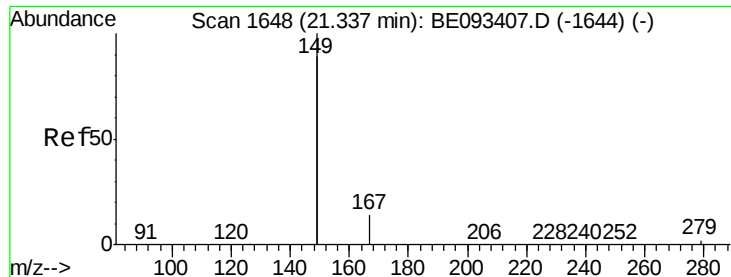
Sohil  
 7/21/2017 5:10:43 PM



#29  
 Terphenyl-d14  
 Concen: 0.527 ng  
 RT: 19.87 min Scan# 1513  
 Delta R.T. -0.01 min  
 Lab File: BE093497.D  
 Acq: 20 Jul 2017 12:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 37.8  | 10.6  | 16.0# |
| 122     | 14.8  | 15.4  | 23.0# |





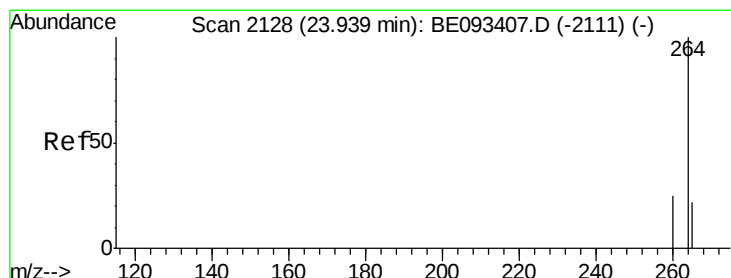
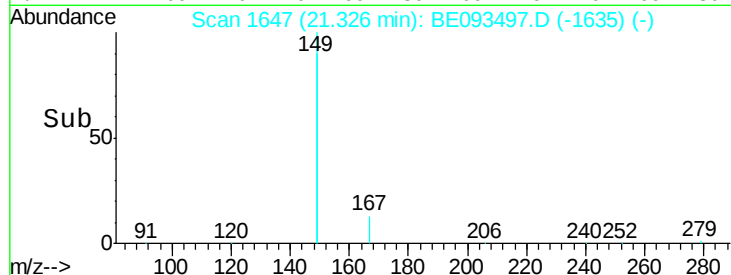
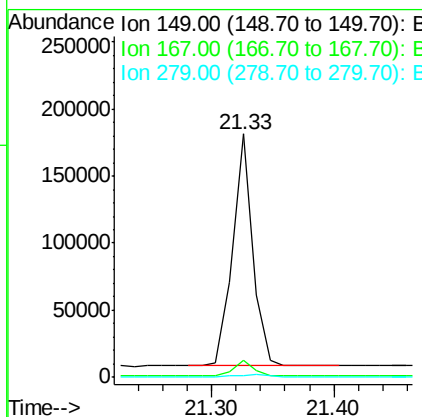
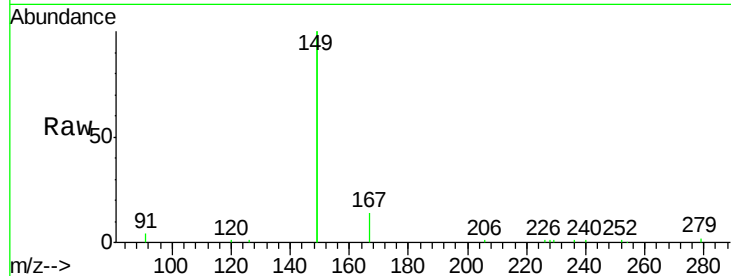
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 1.324 ng  
 RT: 21.33 min Scan# 1647  
 Delta R.T. -0.01 min  
 Lab File: BE093497.D  
 Acq: 20 Jul 2017 12:26

Instrument :  
 BNA\_E  
 ClientSampleId :  
 3575-DB

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 149     | 100   |            |            |
| 167     | 6.7   | 20.1       | 30.1#      |
| 279     | 0.9   | 2.2        | 3.4#       |

Manual Integrations  
 APPROVED

Sohil  
 7/21/2017 5:10:43 PM



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.94 min Scan# 2128  
 Delta R.T. -0.00 min  
 Lab File: BE093497.D  
 Acq: 20 Jul 2017 12:26

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 264     | 100   |            |            |
| 260     | 26.0  | 21.0       | 31.4       |
| 265     | 37.3  | 24.6       | 36.8#      |

