

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE093016\  
 Data File : BE092435.D  
 Acq On : 30 Sep 2016 14:35  
 Operator : UM/SJ  
 Sample : PB93716BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB93716BS

Manual Integrations  
 APPROVED

sohil  
 10/3/2016 6:47:28 PM

Quant Time: Sep 30 16:34:05 2016  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE092216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 22 18:25:56 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.17  | 152  | 10911    | 5.00 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.95 | 136  | 47068    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.82 | 164  | 30281    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 17.58 | 188  | 54694    | 5.00 | ng    | 0.02     |
| 24) Chrysene-d12          | 21.75 | 240  | 87860    | 5.00 | ng    | 0.00     |
| 31) Perylene-d12          | 24.12 | 264  | 76694    | 5.00 | ng    | 0.04     |

## System Monitoring Compounds

|                          |       |     |       |      |    |       |
|--------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol        | 5.67  | 112 | 17903 | 6.97 | ng | -0.02 |
| 5) Phenol-d6             | 7.34  | 99  | 22929 | 6.26 | ng | -0.02 |
| 8) Nitrobenzene-d5       | 9.34  | 82  | 11182 | 3.35 | ng | -0.02 |
| 13) 2,4,6-Tribromophenol | 16.31 | 330 | 6346  | 5.95 | ng | -0.01 |
| 14) 2-Fluorobiphenyl     | 13.43 | 172 | 26897 | 3.75 | ng | -0.01 |
| 26) Terphenyl-d14        | 20.17 | 244 | 36120 | 3.31 | ng | 0.00  |

## Target Compounds

|                                |       |     |         |      |    | Qvalue |
|--------------------------------|-------|-----|---------|------|----|--------|
| 2) 1,4-Dioxane                 | 3.41  | 88  | 3757    | 3.18 | ng | # 83   |
| 3) n-Nitrosodimethylamine      | 3.76  | 42  | 5907    | 3.47 | ng | # 98   |
| 6) bis(2-Chloroethyl)ether     | 7.59  | 93  | 9605    | 3.36 | ng | # 26   |
| 9) Naphthalene                 | 10.99 | 128 | 33915   | 3.33 | ng | # 95   |
| 10) Hexachlorobutadiene        | 11.28 | 225 | 5231    | 3.26 | ng | 100    |
| 11) 2-Methylnaphthalene        | 12.62 | 142 | 22835   | 3.39 | ng | # 91   |
| 15) Acenaphthylene             | 14.53 | 152 | 150902  | 3.44 | ng | 100    |
| 16) Acenaphthene               | 14.88 | 154 | 22580   | 3.29 | ng | 92     |
| 17) Fluorene                   | 15.86 | 166 | 29830   | 3.43 | ng | 99     |
| 19) Hexachlorobenzene          | 16.89 | 284 | 8820    | 3.77 | ng | # 65   |
| 20) Pentachlorophenol          | 17.23 | 266 | 7241    | 8.44 | ng | # 86   |
| 21) Phenanthrene               | 17.60 | 178 | 47982   | 3.82 | ng | # 94   |
| 22) Anthracene                 | 17.69 | 178 | 47974   | 3.97 | ng | 98     |
| 23) Fluoranthene               | 19.61 | 202 | 227494  | 3.81 | ng | 99     |
| 25) Pyrene                     | 19.97 | 202 | 245464  | 3.22 | ng | 98     |
| 27) Benzo(a)anthracene         | 21.72 | 228 | 298241m | 3.48 | ng |        |
| 28) Chrysene                   | 21.77 | 228 | 276722m | 3.53 | ng |        |
| 29) Bis(2-ethylhexyl)phthalate | 21.63 | 149 | 26849   | 3.64 | ng | # 76   |
| 30) Indeno(1,2,3-cd)pyrene     | 26.62 | 276 | 318040  | 3.82 | ng | 98     |
| 32) Benzo(b)fluoranthene       | 23.38 | 252 | 72236   | 3.89 | ng | # 96   |
| 33) Benzo(k)fluoranthene       | 23.43 | 252 | 67744   | 3.48 | ng | 94     |
| 34) Benzo(a)pyrene             | 24.01 | 252 | 68847   | 3.78 | ng | # 95   |
| 35) Dibenzo(a,h)anthracene     | 26.63 | 278 | 65698   | 3.94 | ng | 96     |
| 36) Benzo(g,h,i)perylene       | 27.38 | 276 | 273012  | 3.81 | ng | 97     |

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

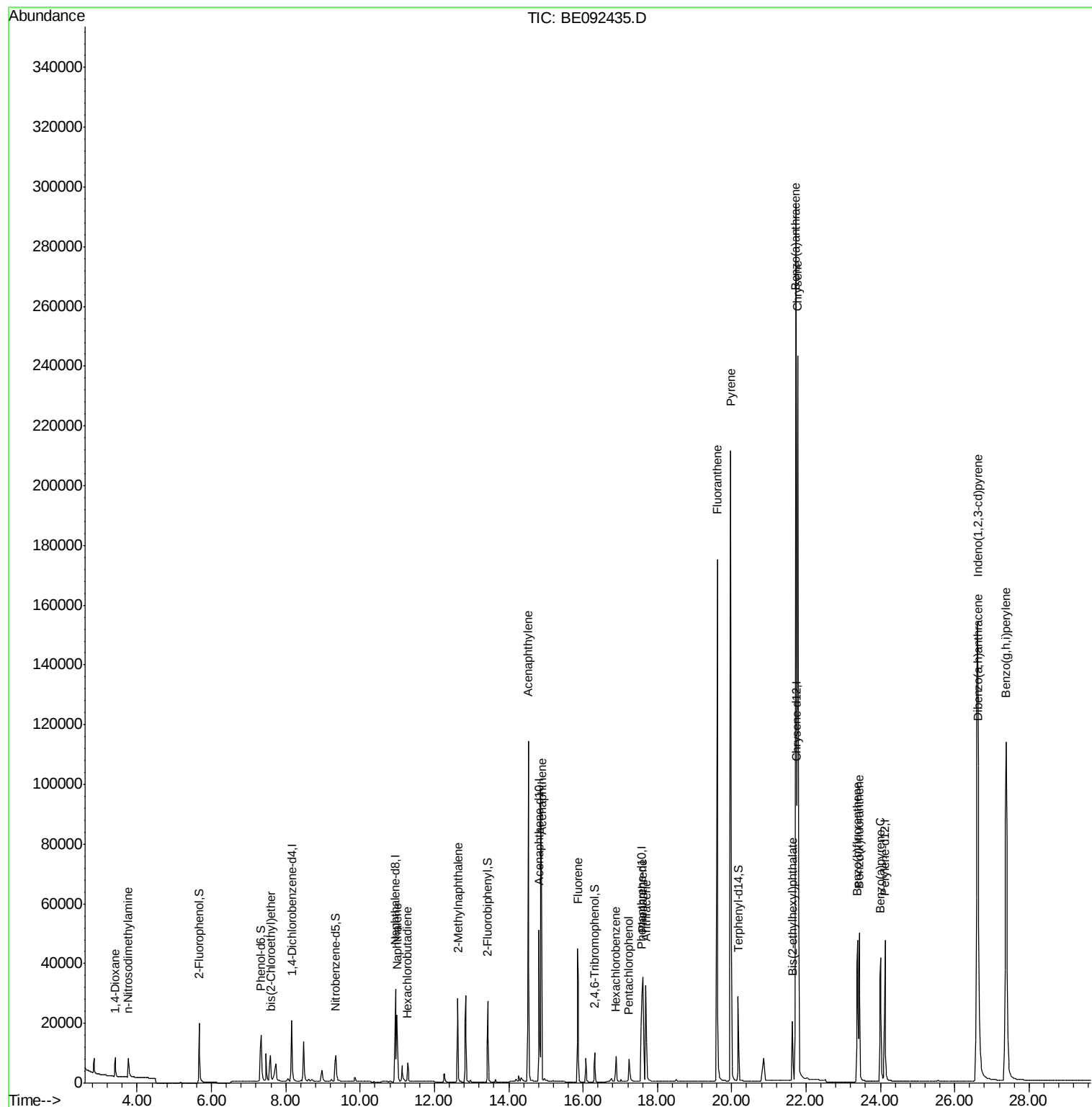
Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE093016\  
Data File : BE092435.D  
Acq On : 30 Sep 2016 14:35  
Operator : UM/SJ  
Sample : PB93716BS  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :  
PB93716BS

Manual Integrations  
APPROVED

sohil  
10/3/2016 6:47:28 PM

Quant Time: Sep 30 16:34:05 2016  
Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE092216.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 22 18:25:56 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092435.D

Acq: 30 Sep 2016 14:35

Instrument :

BNA\_E

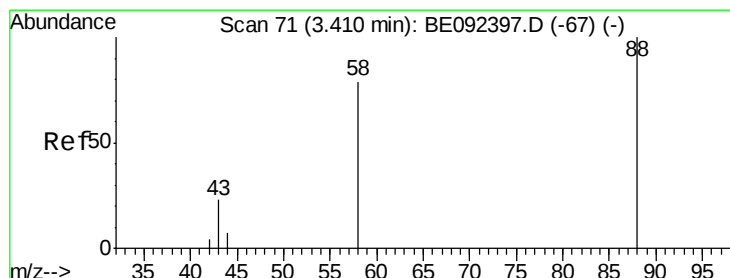
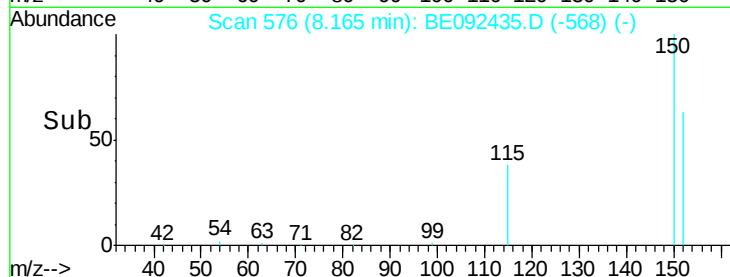
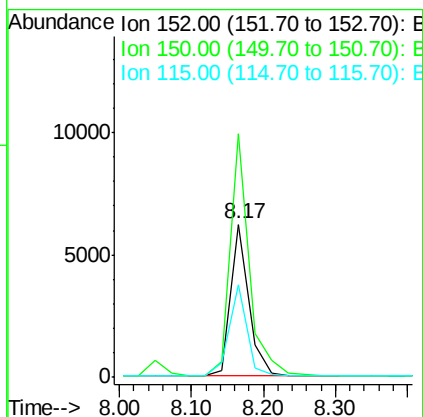
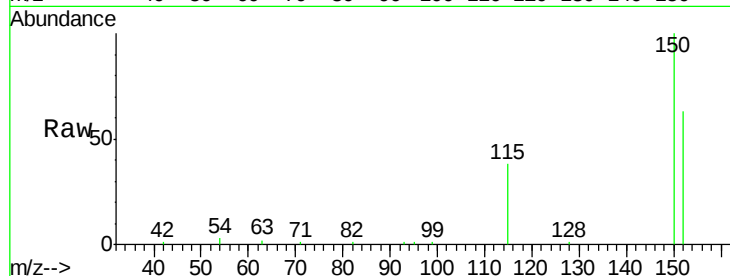
ClientSampled :

PB93716BS

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 152     | 100   |       |        |
| 150     | 159.2 | 106.0 | 159.0# |
| 115     | 60.5  | 31.2  | 46.8#  |

Manual Integrations  
APPROVED

sohil  
10/3/2016 6:47:28 PM



#2

1,4-Dioxane

Concen: 3.18 ng

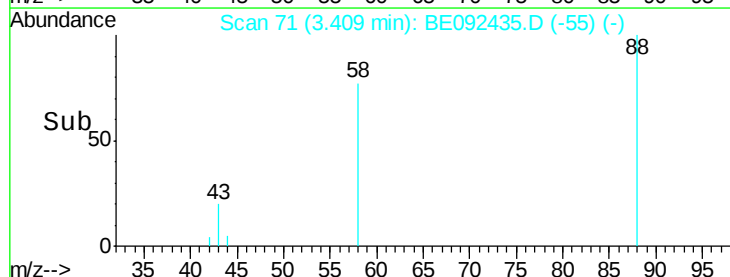
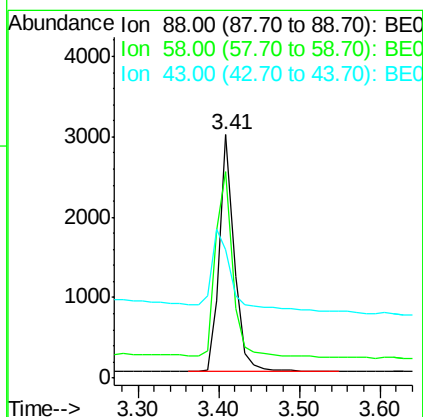
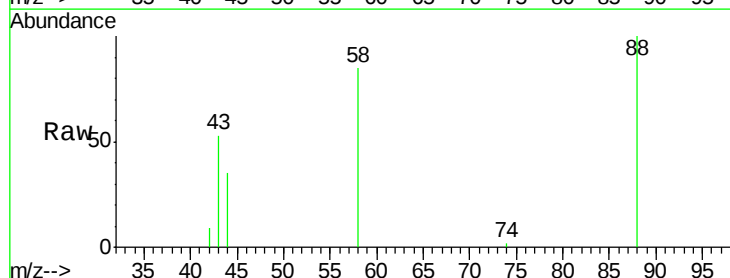
RT: 3.41 min Scan# 71

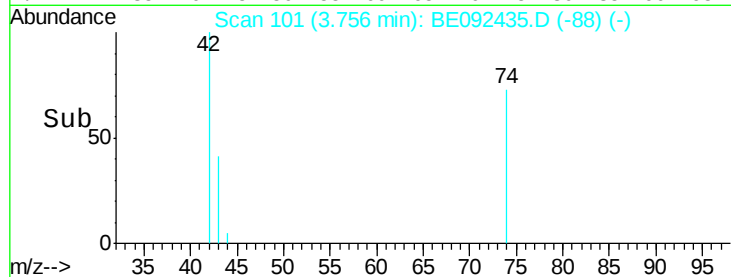
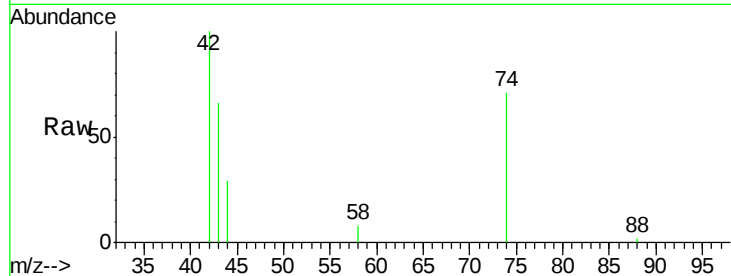
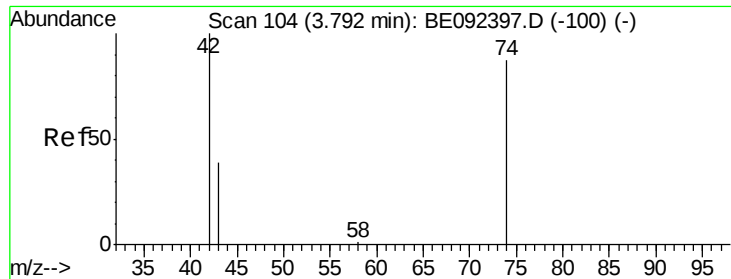
Delta R.T. -0.01 min

Lab File: BE092435.D

Acq: 30 Sep 2016 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 91.7  | 63.6  | 95.4  |
| 43      | 49.3  | 28.0  | 42.0# |





#3

n-Nitrosodimethylamine

Concen: 3.47 ng

RT: 3.76 min Scan# 101

Delta R.T. -0.05 min

Lab File: BE092435.D

Acq: 30 Sep 2016 14:35

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 5907  |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 106.4 | 86.0  | 129.0 |
| 44        | 10.4  | 5.1   | 7.7#  |

Instrument :

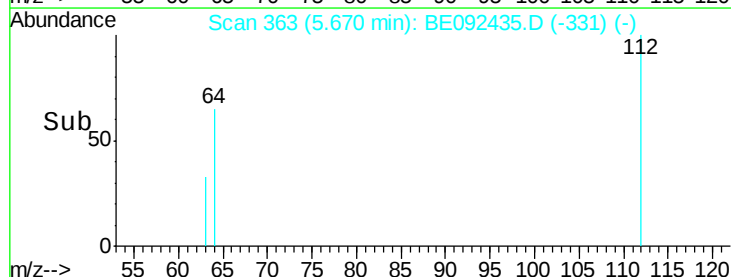
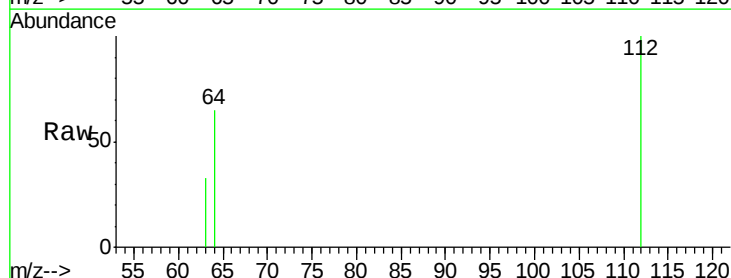
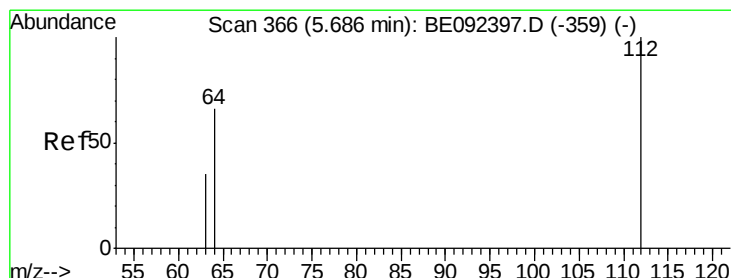
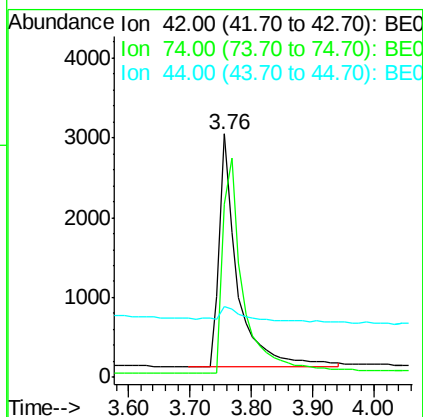
BNA\_E

ClientSampleId :

PB93716BS

Manual Integrations  
APPROVED

sohil  
10/3/2016 6:47:28 PM



#4

2-Fluorophenol

Concen: 6.97 ng

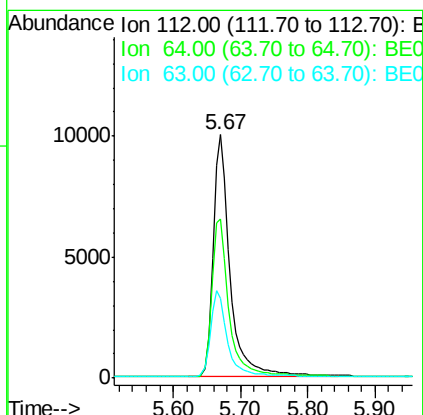
RT: 5.67 min Scan# 363

Delta R.T. -0.02 min

Lab File: BE092435.D

Acq: 30 Sep 2016 14:35

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 112   | Resp: | 17903 |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 64        | 67.1  | 53.5  | 80.3  |
| 63        | 36.0  | 27.9  | 41.9  |





#5

Phenol-d6

Concen: 6.26 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092435.D

Acq: 30 Sep 2016 14:35

Instrument :

BNA\_E

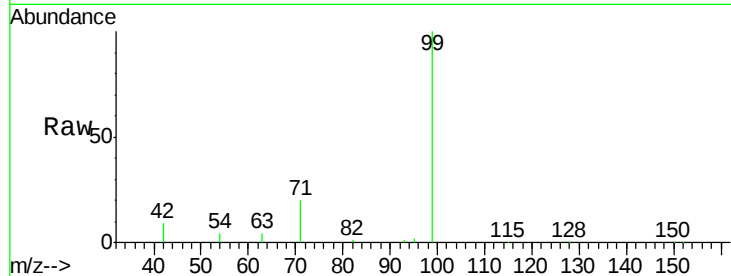
ClientSampleId :

PB93716BS

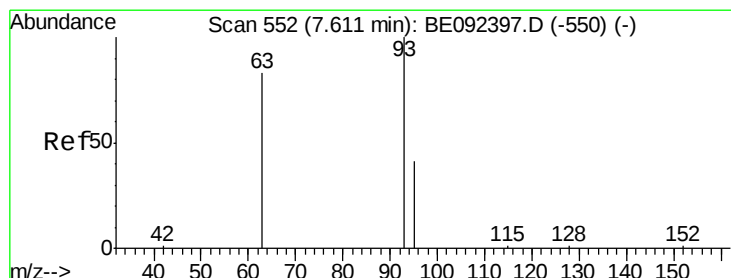
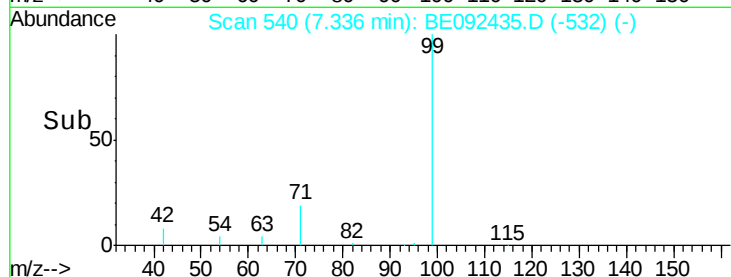
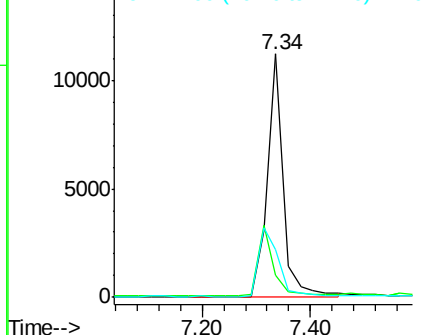
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 99    | Resp: | 22929 |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 0.0   | 16.0  | 24.0# |
| 71        | 0.0   | 30.6  | 45.8# |

Manual Integrations  
APPROVED

sohil  
10/3/2016 6:47:28 PM



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



#6

bis(2-Chloroethyl)ether

Concen: 3.36 ng

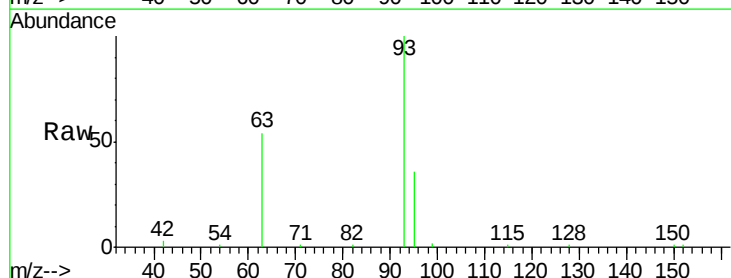
RT: 7.59 min Scan# 551

Delta R.T. -0.02 min

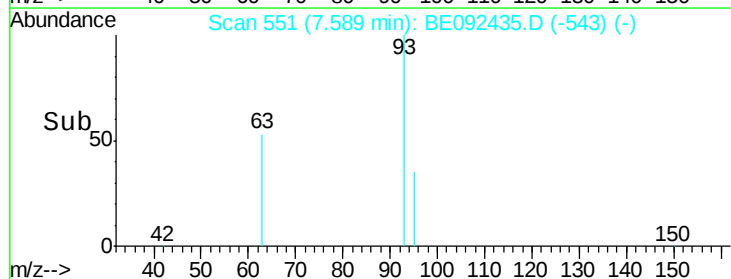
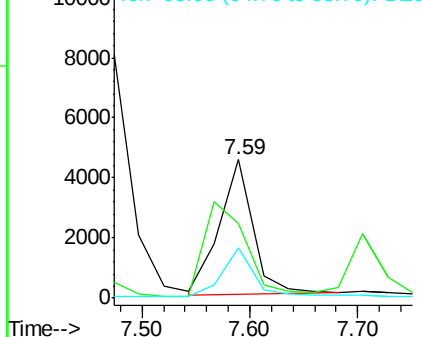
Lab File: BE092435.D

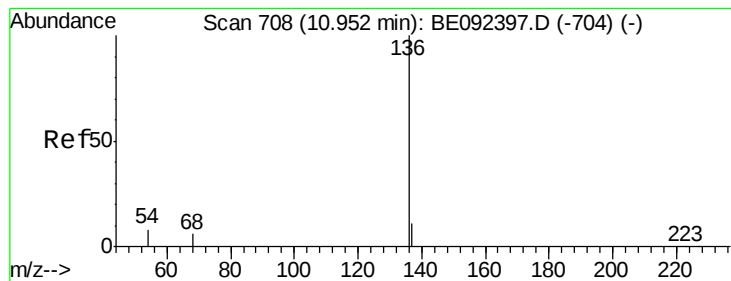
Acq: 30 Sep 2016 14:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 9605   |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 0.0   | 71.6  | 107.4# |
| 95        | 34.7  | 24.0  | 36.0   |



Abundance Ion 93.00 (92.70 to 93.70): BE0  
Ion 63.00 (62.70 to 63.70): BE0  
Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.00 min

Lab File: BE092435.D

Acq: 30 Sep 2016 14:35

Instrument :

BNA\_E

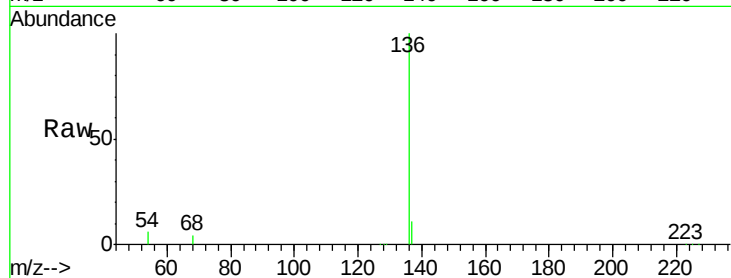
ClientSampleId :

PB93716BS

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 136     | 100   |            |       |
| 137     | 11.4  | 8.2        | 12.4  |
| 54      | 5.6   | 9.6        | 14.4# |
| 68      | 4.4   | 6.7        | 10.1# |

Manual Integrations  
APPROVED

sohil  
10/3/2016 6:47:28 PM

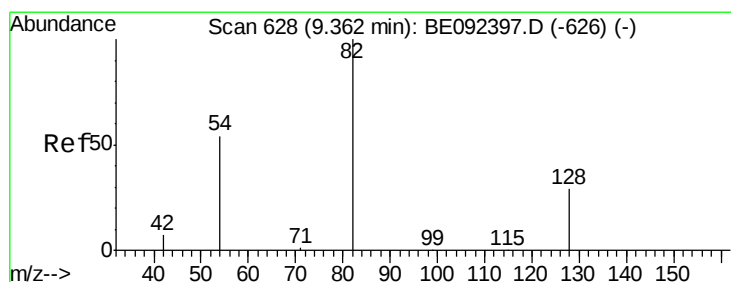
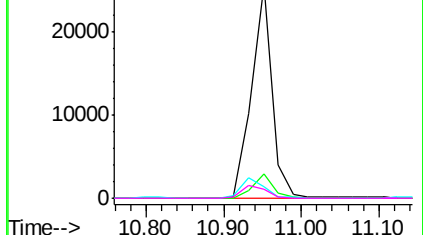
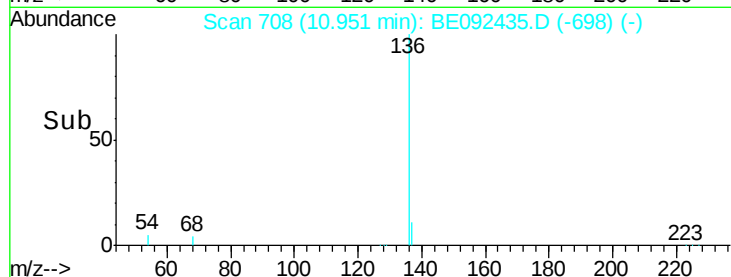


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.35 ng

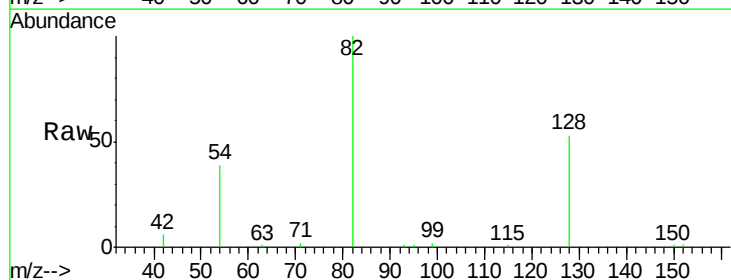
RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092435.D

Acq: 30 Sep 2016 14:35

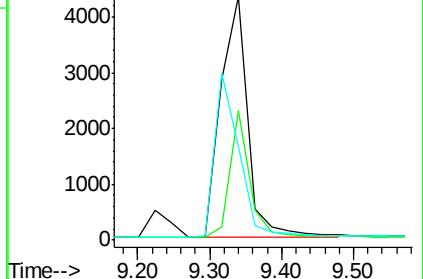
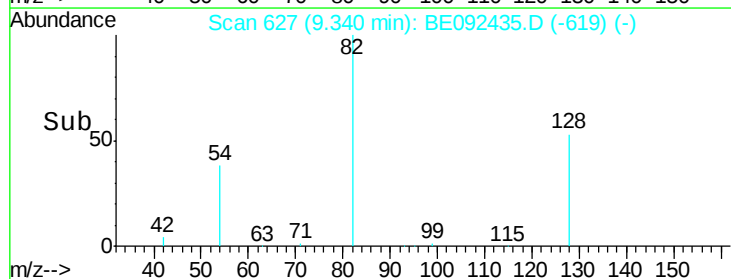
| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 82      | 100   |            |       |
| 128     | 53.2  | 39.0       | 58.4  |
| 54      | 38.7  | 44.8       | 67.2# |



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 3.33 ng

RT: 10.99 min Scan# 710

Delta R.T. -0.02 min

Lab File: BE092435.D

Acq: 30 Sep 2016 14:35

Instrument :

BNA\_E

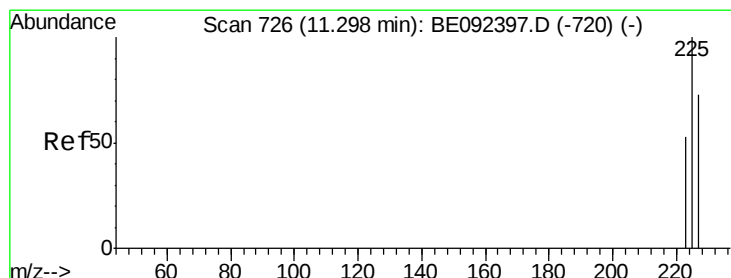
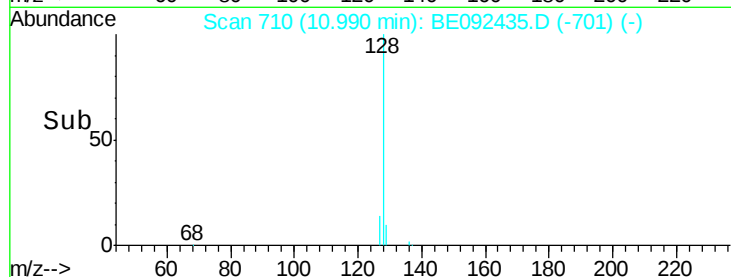
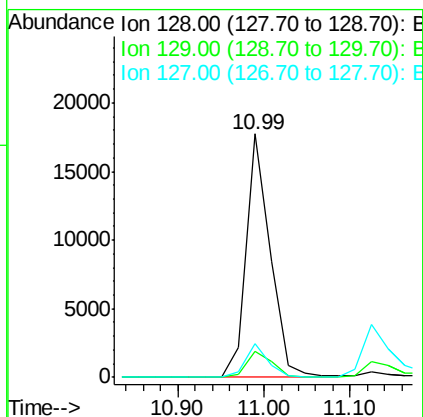
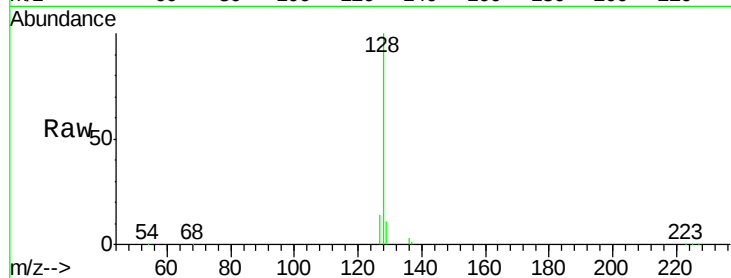
ClientSampleId :

PB93716BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 33915 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 10.7  | 11.2  | 16.8# |
| 127       | 13.9  | 11.6  | 17.4  |

Manual Integrations  
APPROVED

sohil  
10/3/2016 6:47:28 PM



#10

Hexachlorobutadiene

Concen: 3.26 ng

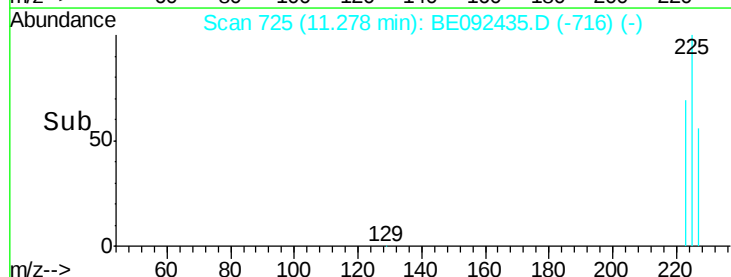
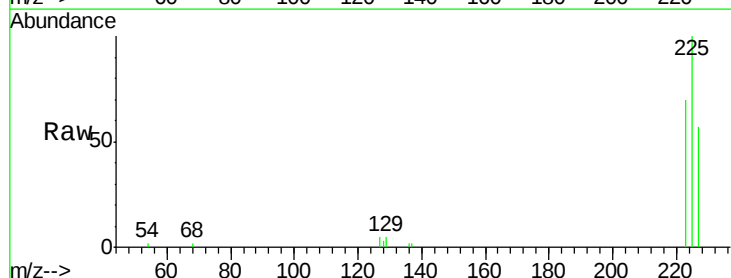
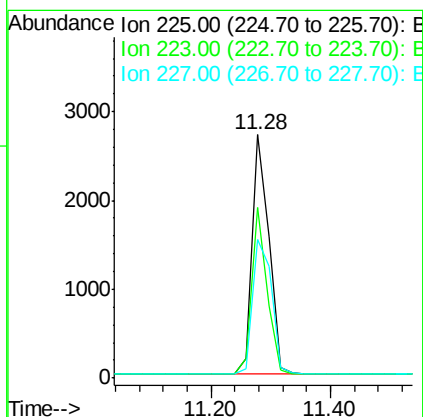
RT: 11.28 min Scan# 725

Delta R.T. -0.02 min

Lab File: BE092435.D

Acq: 30 Sep 2016 14:35

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 5231 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 63.5  | 50.6  | 76.0 |
| 227       | 63.8  | 51.4  | 77.0 |





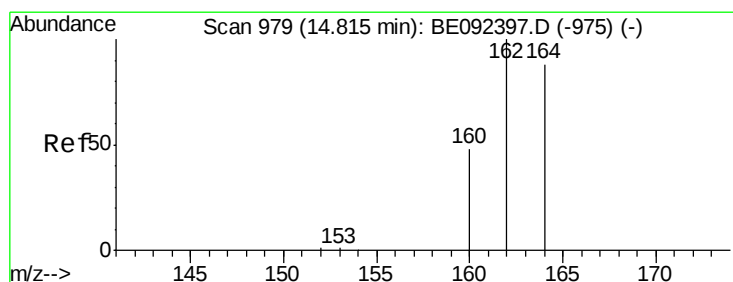
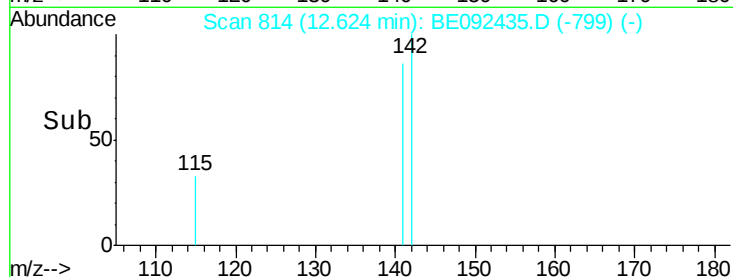
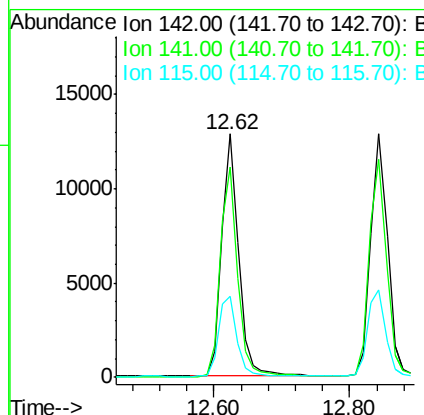
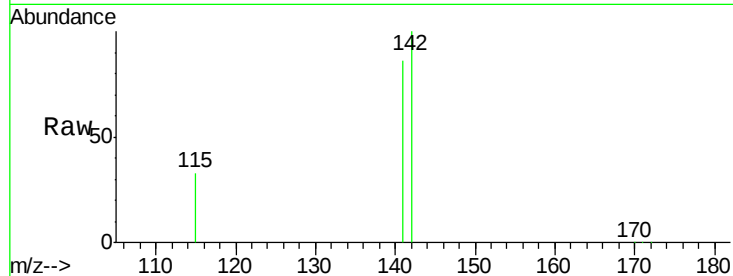
#11  
2-Methylnaphthalene  
Concen: 3.39 ng  
RT: 12.62 min Scan# 814  
Delta R.T. -0.02 min  
Lab File: BE092435.D  
Acq: 30 Sep 2016 14:35

Instrument :  
BNA\_E  
ClientSampleId :  
PB93716BS

Tgt Ion:142 Resp: 22835  
Ion Ratio Lower Upper  
142 100  
141 86.4 73.7 110.5  
115 33.5 34.0 51.0#

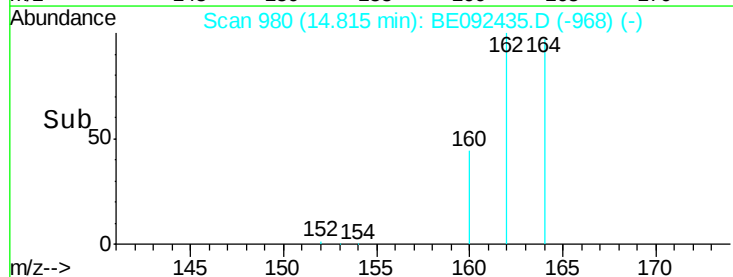
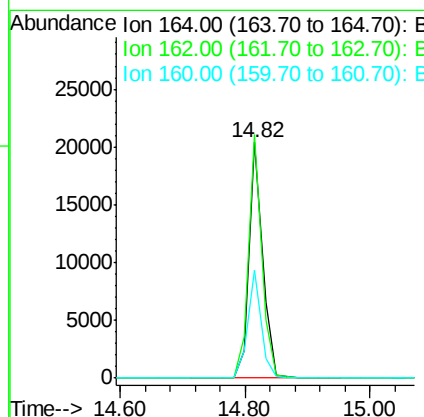
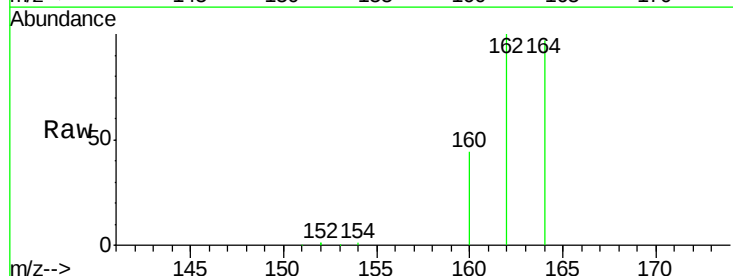
Manual Integrations  
APPROVED

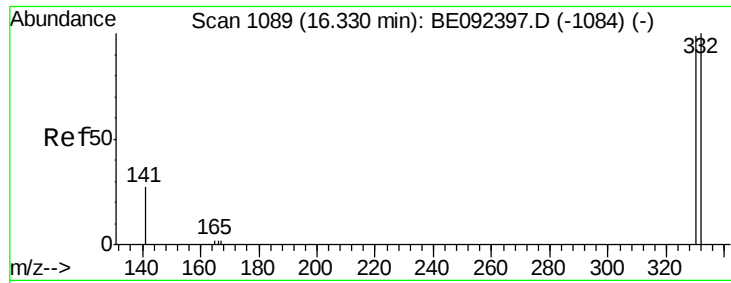
sohil  
10/3/2016 6:47:28 PM



#12  
Acenaphthene-d10  
Concen: 5.00 ng  
RT: 14.82 min Scan# 980  
Delta R.T. 0.00 min  
Lab File: BE092435.D  
Acq: 30 Sep 2016 14:35

Tgt Ion:164 Resp: 30281  
Ion Ratio Lower Upper  
164 100  
162 103.3 71.4 107.0  
160 45.7 27.4 41.2#





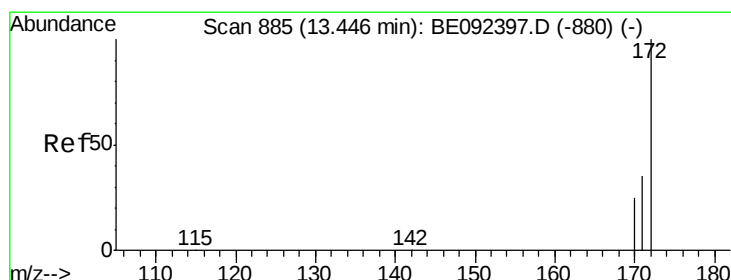
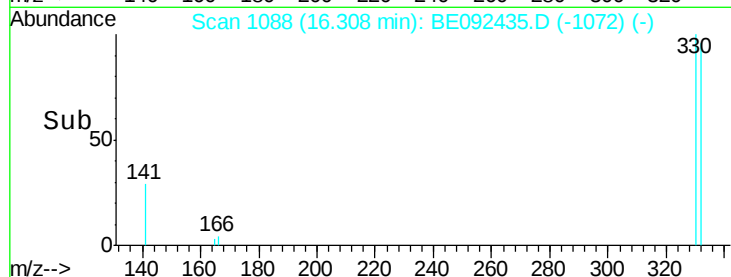
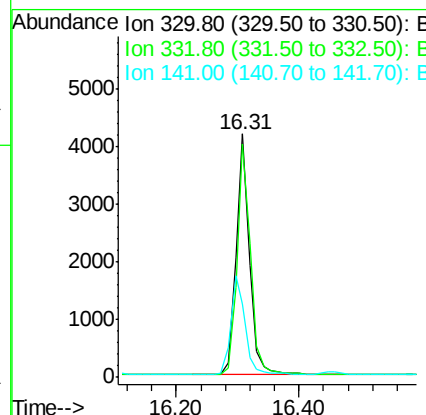
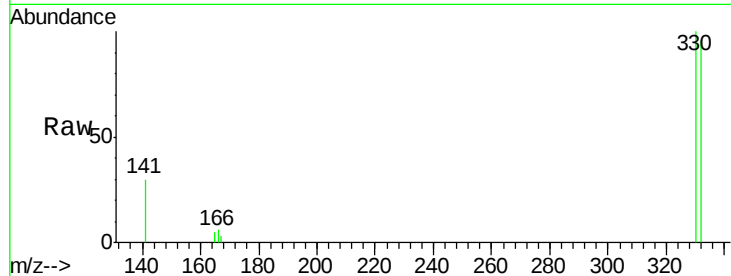
#13  
 2,4,6-Tribromophenol  
 Concen: 5.95 ng  
 RT: 16.31 min Scan# 1088  
 Delta R.T. -0.01 min  
 Lab File: BE092435.D  
 Acq: 30 Sep 2016 14:35

Instrument :  
 BNA\_E  
 ClientSampled :  
 PB93716BS

Tgt Ion:330 Resp: 6346  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 75.4 113.0  
 141 43.0 31.0 46.6

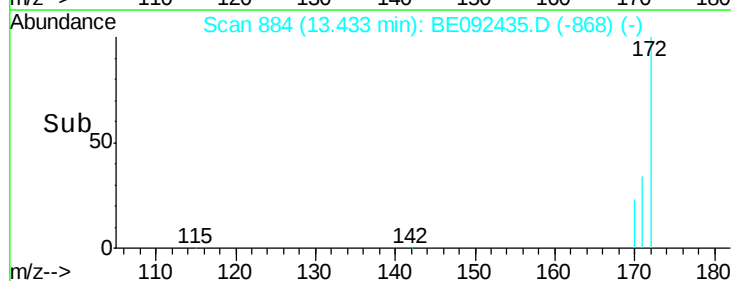
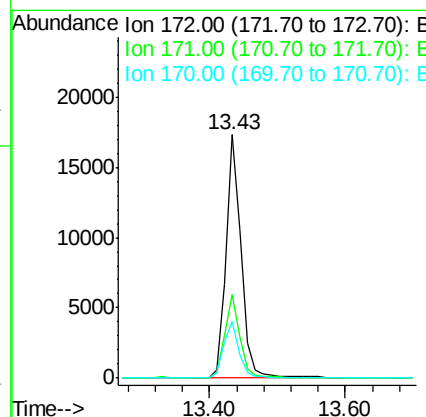
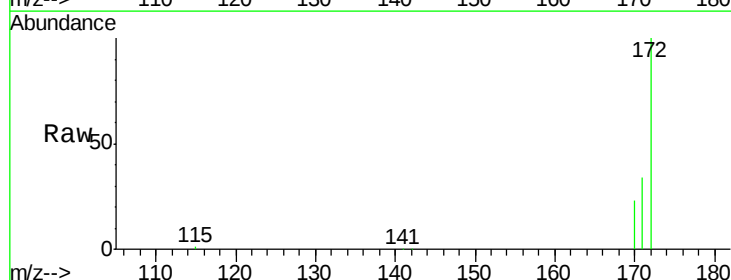
Manual Integrations  
 APPROVED

sohil  
 10/3/2016 6:47:28 PM



#14  
 2-Fluorobiphenyl  
 Concen: 3.75 ng  
 RT: 13.43 min Scan# 884  
 Delta R.T. -0.01 min  
 Lab File: BE092435.D  
 Acq: 30 Sep 2016 14:35

Tgt Ion:172 Resp: 26897  
 Ion Ratio Lower Upper  
 172 100  
 171 34.2 30.1 45.1  
 170 23.1 21.8 32.6





#15

Acenaphthylene

Concen: 3.44 ng

RT: 14.53 min Scan# 963

Delta R.T. 0.00 min

Lab File: BE092435.D

Acq: 30 Sep 2016 14:35

Instrument :

BNA\_E

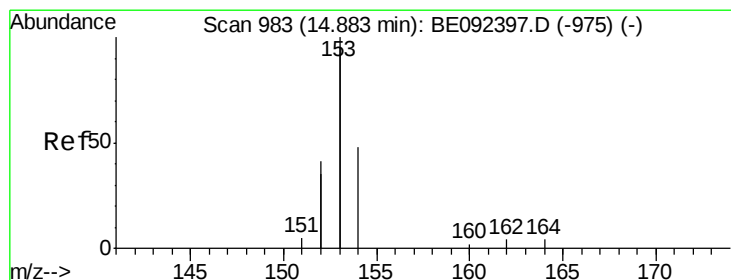
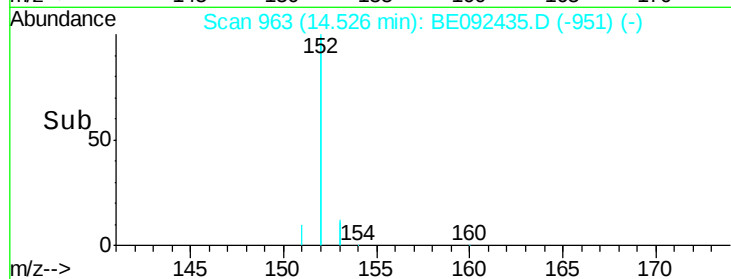
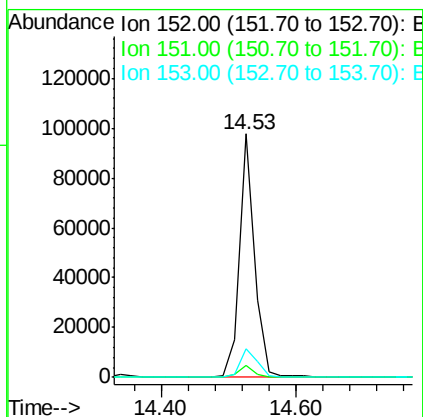
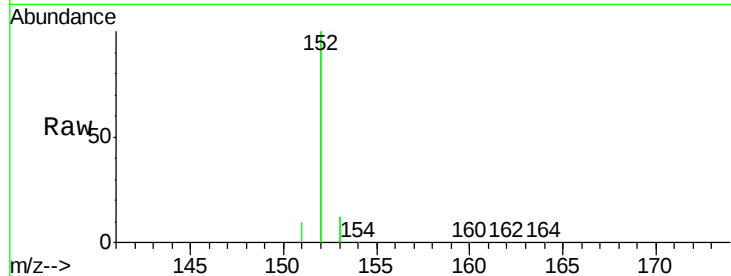
ClientSampleId :

PB93716BS

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 152  | Resp: | 150902 |
| Ion Ratio |      | Lower | Upper  |
| 152       | 100  |       |        |
| 151       | 4.9  | 3.9   | 5.9    |
| 153       | 13.0 | 10.4  | 15.6   |

Manual Integrations  
APPROVED

sohil  
10/3/2016 6:47:28 PM



#16

Acenaphthene

Concen: 3.29 ng

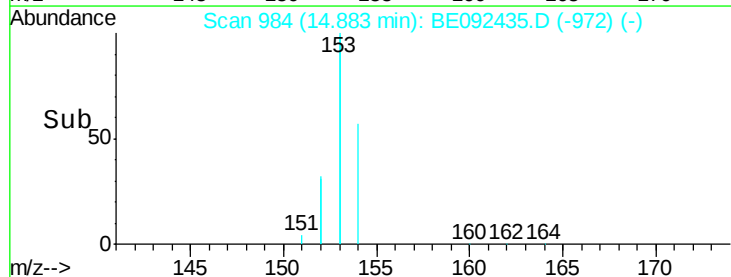
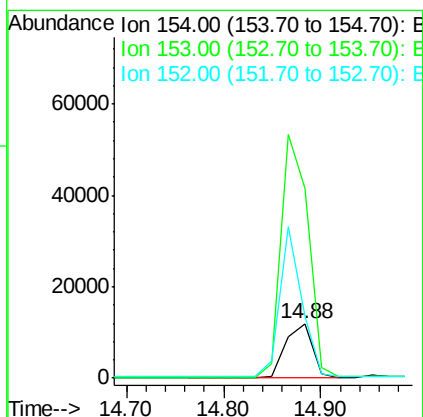
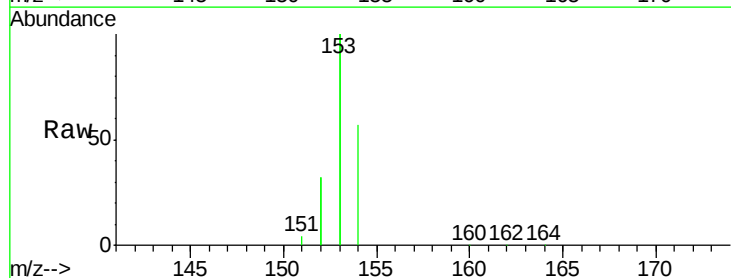
RT: 14.88 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE092435.D

Acq: 30 Sep 2016 14:35

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 22580 |
| Ion Ratio |       | Lower | Upper |
| 154       | 100   |       |       |
| 153       | 455.3 | 350.8 | 526.2 |
| 152       | 230.1 | 171.1 | 256.7 |





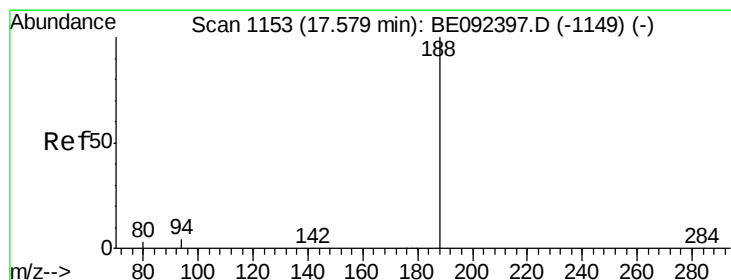
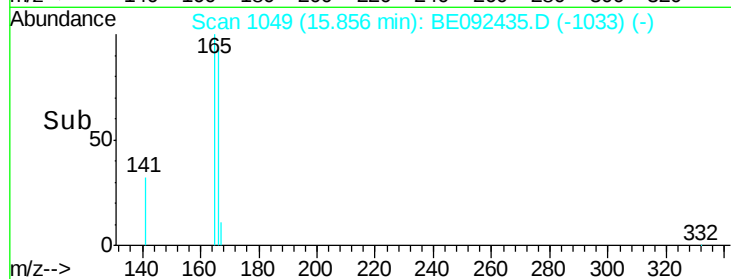
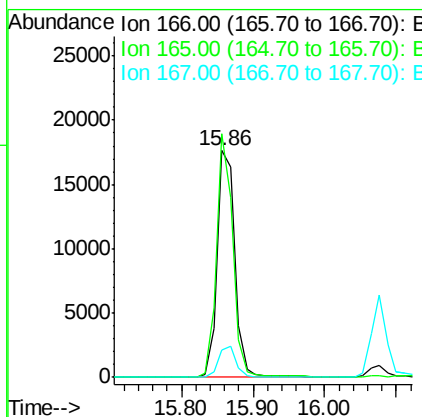
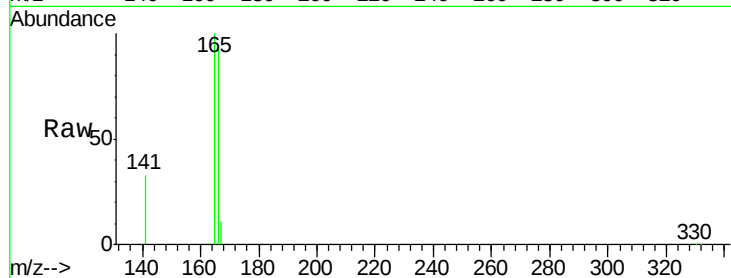
#17  
**Fluorene**  
 Concen: 3.43 ng  
 RT: 15.86 min Scan# 1049  
 Delta R.T. -0.01 min  
 Lab File: BE092435.D  
 Acq: 30 Sep 2016 14:35

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB93716BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.4  | 78.2  | 117.4 |
| 167     | 13.4  | 11.0  | 16.4  |

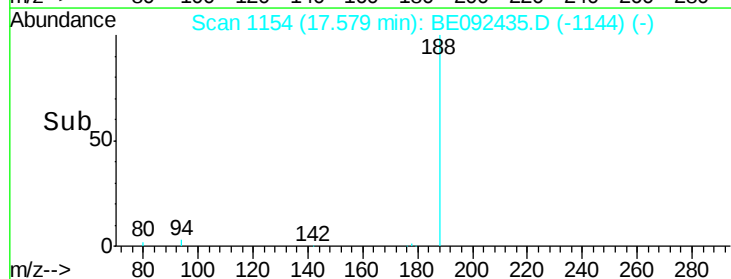
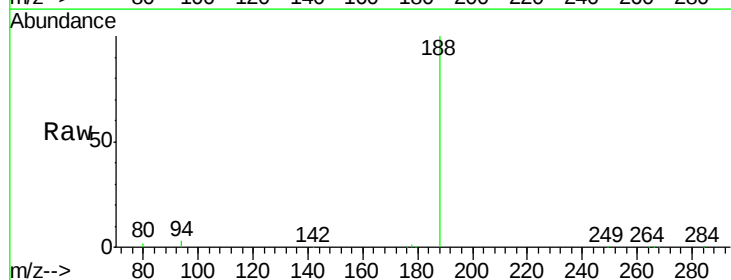
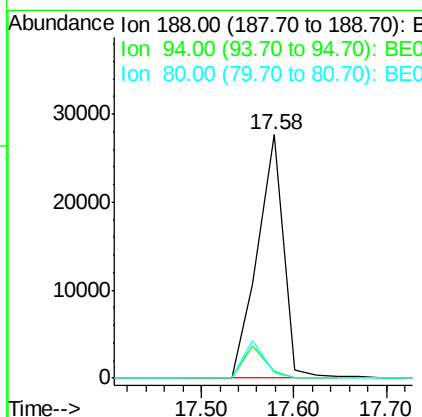
Manual Integrations  
 APPROVED

sohil  
 10/3/2016 6:47:28 PM



#18  
**Phenanthrene-d10**  
 Concen: 5.00 ng  
 RT: 17.58 min Scan# 1154  
 Delta R.T. 0.02 min  
 Lab File: BE092435.D  
 Acq: 30 Sep 2016 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 2.9   | 3.2   | 4.8#  |
| 80      | 2.4   | 2.6   | 3.8#  |





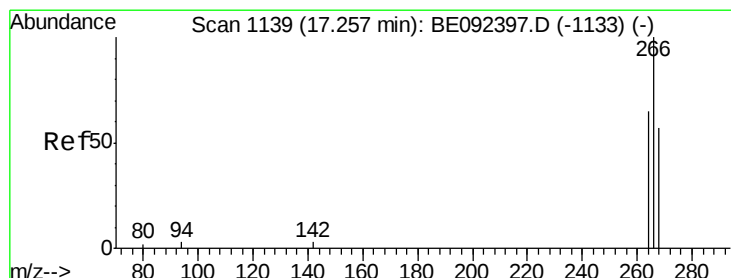
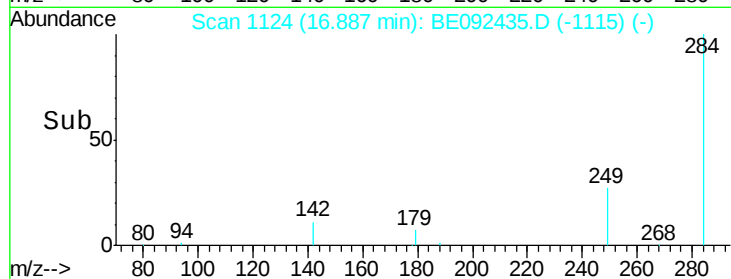
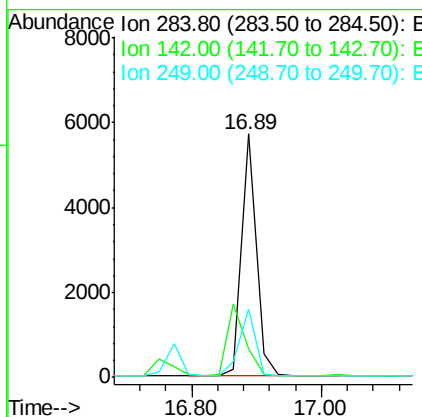
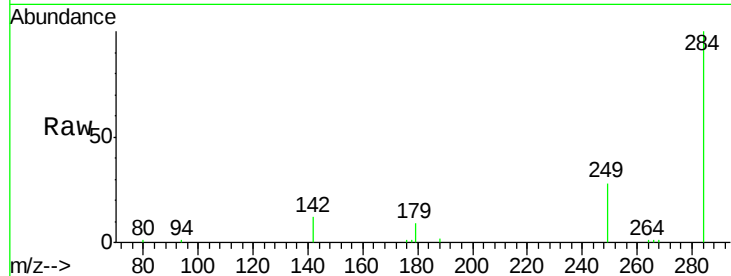
#19  
Hexachlorobenzene  
Concen: 3.77 ng  
RT: 16.89 min Scan# 1124  
Delta R.T. -0.00 min  
Lab File: BE092435.D  
Acq: 30 Sep 2016 14:35

Instrument :  
BNA\_E  
ClientSampleId :  
PB93716BS

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 284     | 100   | 8820 |       |       |
| 142     | 0.0   | 29.1 | 43.7# |       |
| 249     | 30.2  | 27.9 | 41.9  |       |

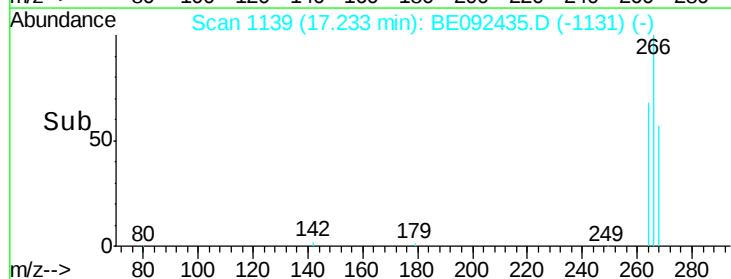
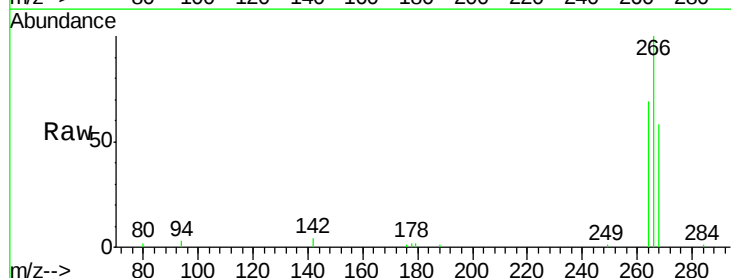
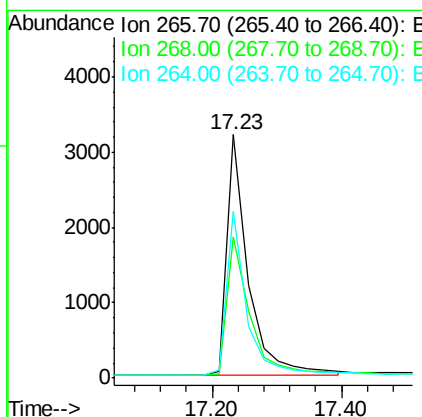
Manual Integrations  
APPROVED

sohil  
10/3/2016 6:47:28 PM



#20  
Pentachlorophenol  
Concen: 8.44 ng  
RT: 17.23 min Scan# 1139  
Delta R.T. -0.02 min  
Lab File: BE092435.D  
Acq: 30 Sep 2016 14:35

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 266     | 100   | 7241 |       |       |
| 268     | 57.9  | 62.5 | 93.7# |       |
| 264     | 68.6  | 57.2 | 85.8  |       |





#21

Phenanthrene

Concen: 3.82 ng

RT: 17.60 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BE092435.D

Acq: 30 Sep 2016 14:35

Instrument :

BNA\_E

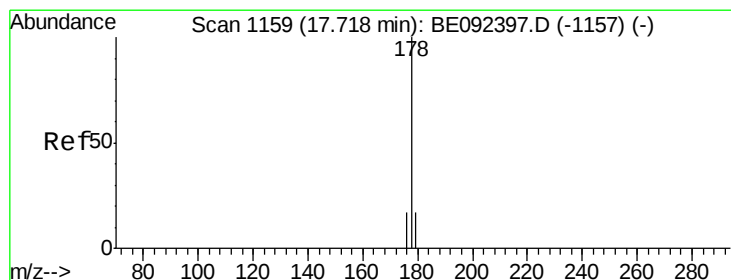
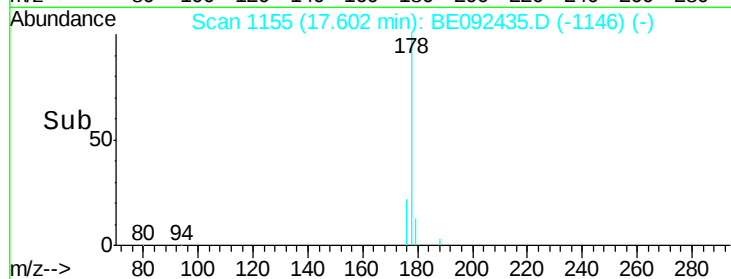
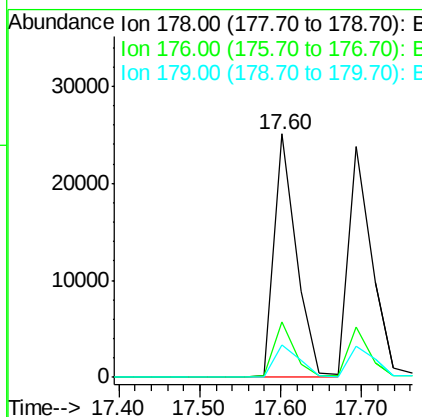
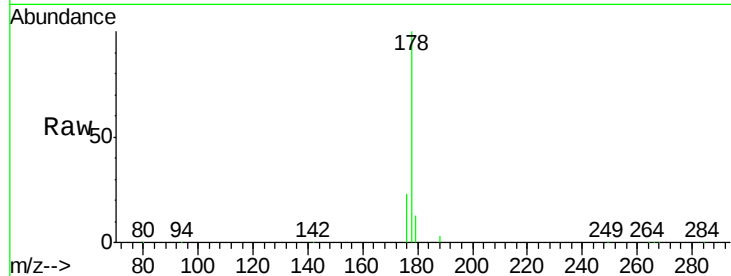
ClientSampleId :

PB93716BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.2  | 15.8  | 23.8  |
| 179     | 14.8  | 16.0  | 24.0  |

Manual Integrations  
APPROVED

sohil  
10/3/2016 6:47:28 PM



#22

Anthracene

Concen: 3.97 ng

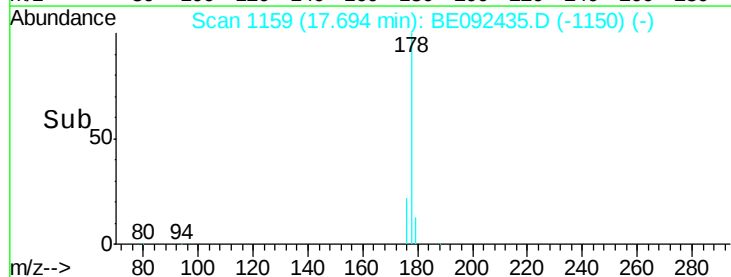
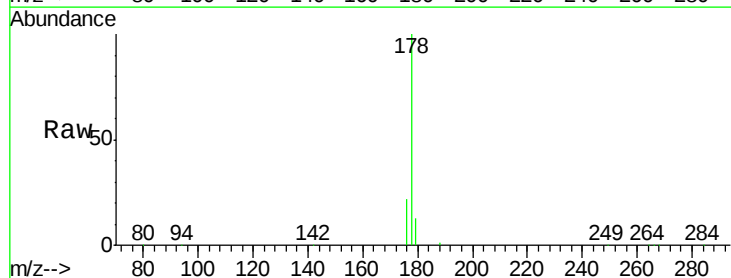
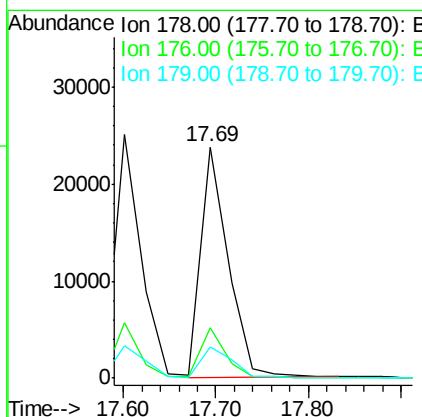
RT: 17.69 min Scan# 1159

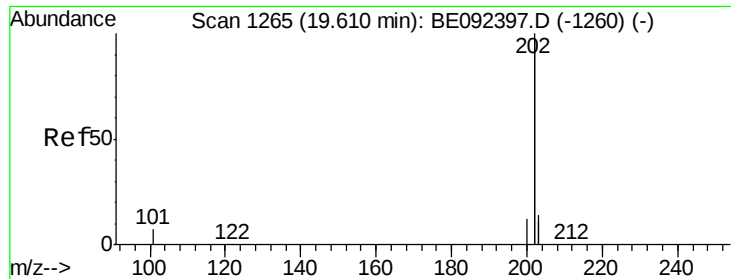
Delta R.T. -0.00 min

Lab File: BE092435.D

Acq: 30 Sep 2016 14:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.7  | 15.0  | 22.4  |
| 179     | 14.8  | 12.2  | 18.2  |





#23

Fluoranthene

Concen: 3.81 ng

RT: 19.61 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE092435.D

Acq: 30 Sep 2016 14:35

Instrument :

BNA\_E

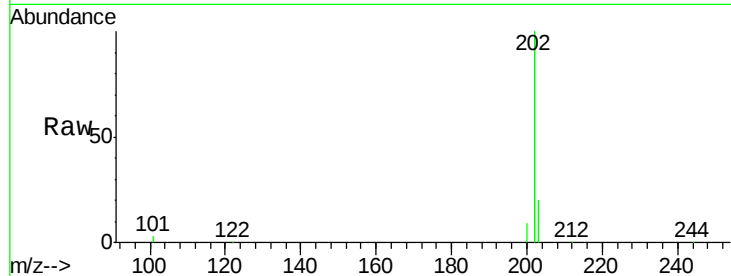
ClientSampleId :

PB93716BS

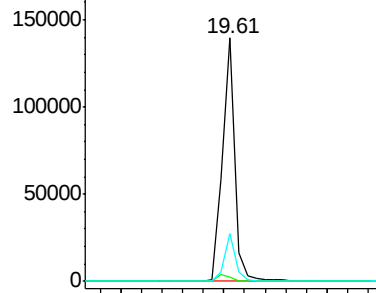
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 227494 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 2.8   | 2.2   | 3.4    |
| 203       | 17.6  | 13.7  | 20.5   |

Manual Integrations  
APPROVED

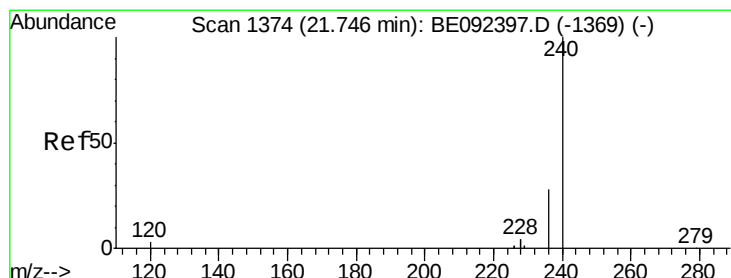
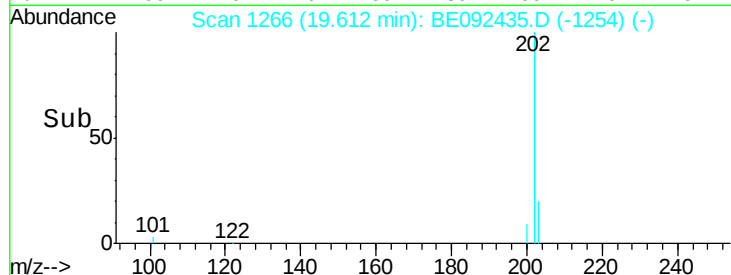
sohil  
10/3/2016 6:47:28 PM



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E



Time-->



#24

Chrysene-d12

Concen: 5.00 ng

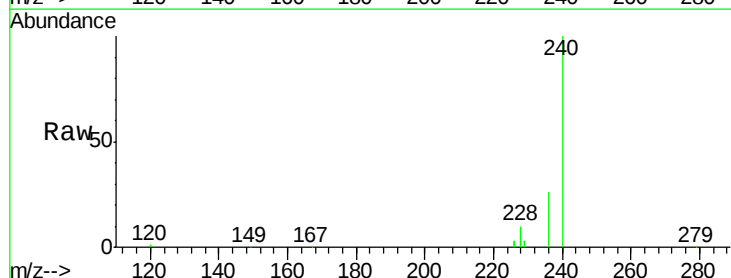
RT: 21.75 min Scan# 1375

Delta R.T. 0.00 min

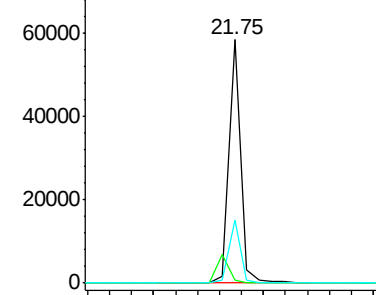
Lab File: BE092435.D

Acq: 30 Sep 2016 14:35

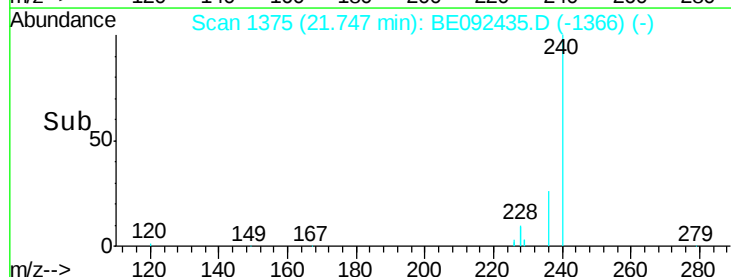
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 240   | Resp: | 87860 |
| Ion Ratio | Lower | Upper |       |
| 240       | 100   |       |       |
| 120       | 1.3   | 2.6   | 4.0#  |
| 236       | 26.0  | 24.6  | 37.0  |

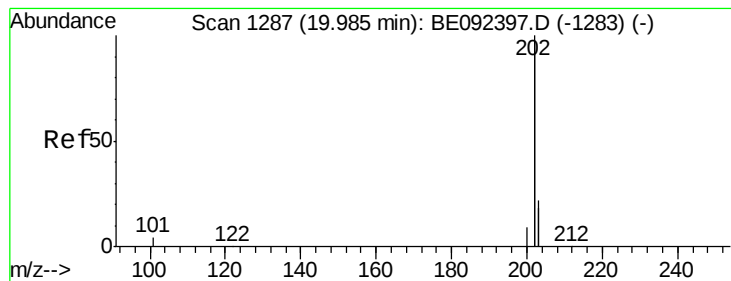


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E



Time-->





#25

Pyrene

Concen: 3.22 ng

RT: 19.97 min Scan# 1287

Delta R.T. 0.00 min

Lab File: BE092435.D

Acq: 30 Sep 2016 14:35

Instrument :

BNA\_E

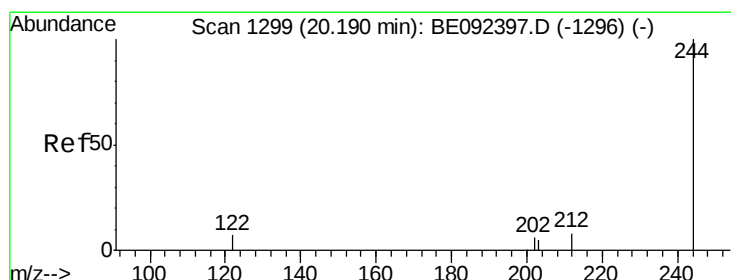
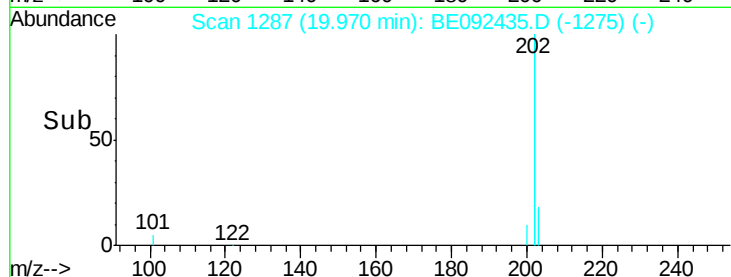
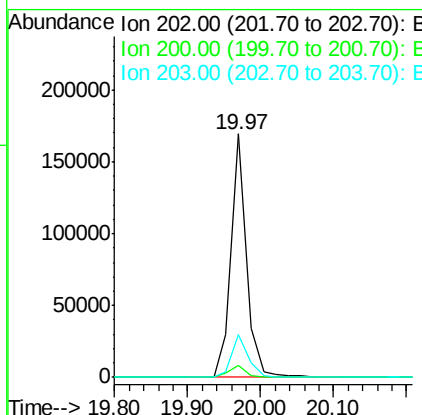
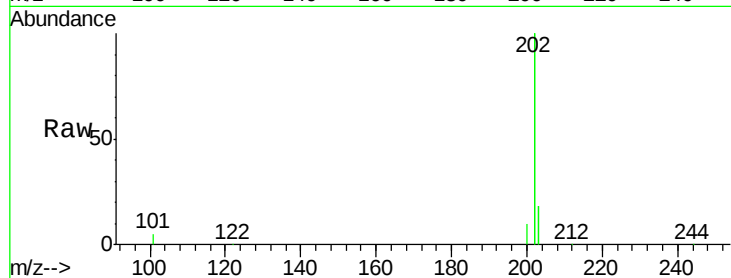
ClientSampleId :

PB93716BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 245464 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 5.1   | 4.2   | 6.4    |
| 203       | 18.4  | 13.9  | 20.9   |

Manual Integrations  
APPROVED

sohil  
10/3/2016 6:47:28 PM



#26

Terphenyl-d14

Concen: 3.31 ng

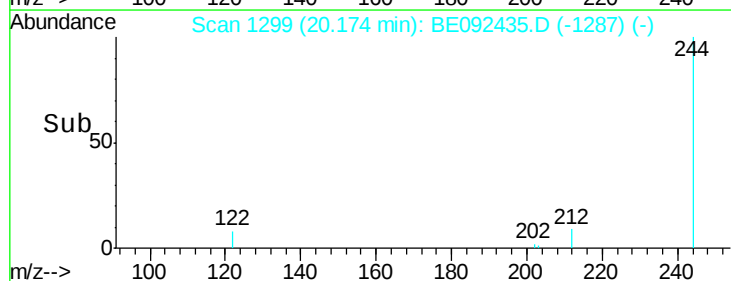
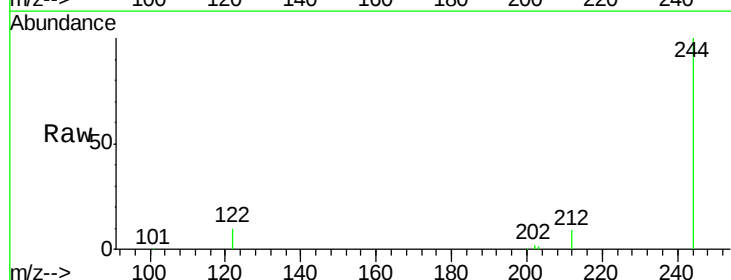
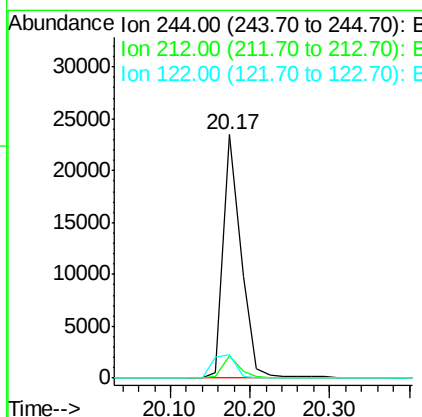
RT: 20.17 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BE092435.D

Acq: 30 Sep 2016 14:35

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 244   | Resp: | 36120 |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 9.3   | 6.7   | 10.1  |
| 122       | 9.5   | 3.6   | 5.4#  |





#27

Benzo(a)anthracene

Concen: 3.48 ng m

RT: 21.72 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE092435.D

Acq: 30 Sep 2016 14:35

Instrument :

BNA\_E

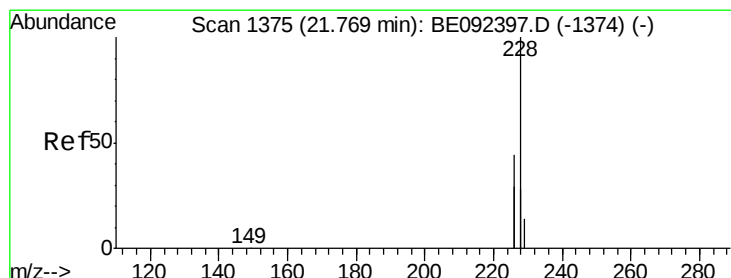
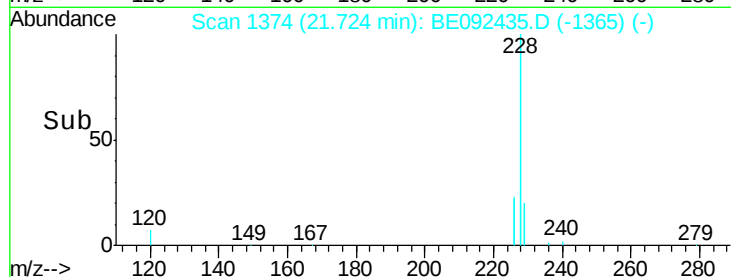
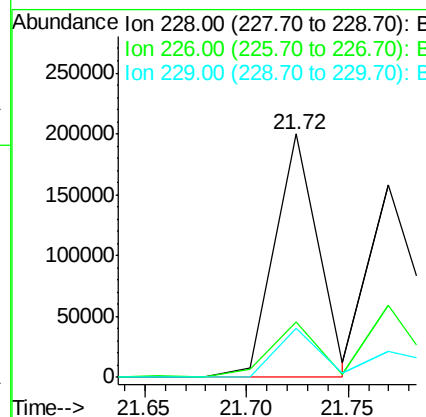
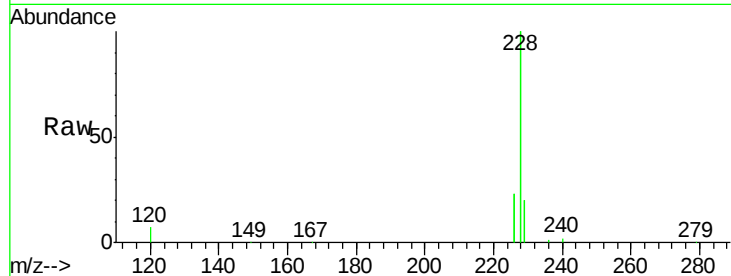
ClientSampled :

PB93716BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 298241 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 22.6  | 23.6  | 35.4#  |
| 229       | 20.0  | 13.3  | 19.9#  |

Manual Integrations  
APPROVED

sohil  
10/3/2016 6:47:28 PM



#28

Chrysene

Concen: 3.53 ng m

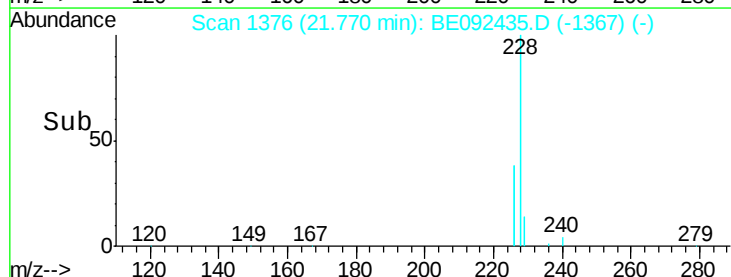
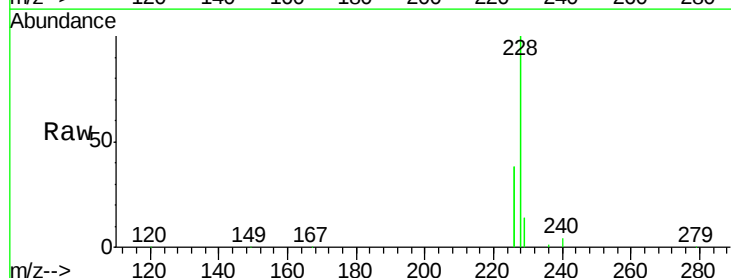
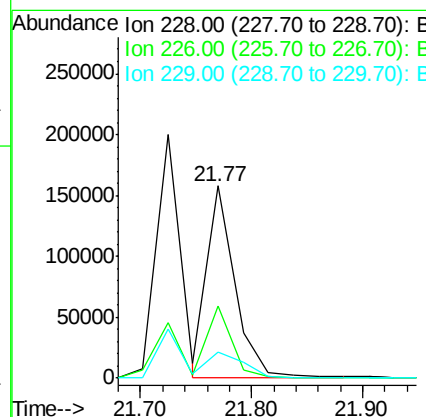
RT: 21.77 min Scan# 1376

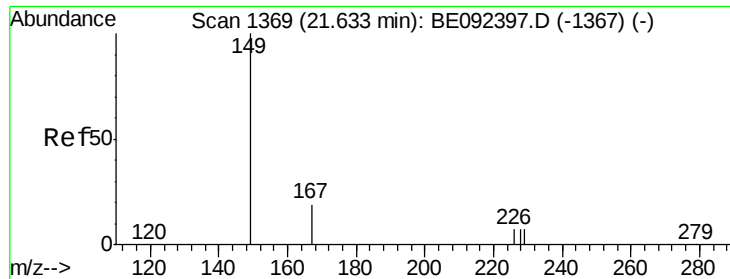
Delta R.T. 0.00 min

Lab File: BE092435.D

Acq: 30 Sep 2016 14:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 276722 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 37.8  | 36.3  | 54.5   |
| 229       | 13.9  | 10.6  | 16.0   |





#29

Bis(2-ethylhexyl)phthalate

Concen: 3.64 ng

RT: 21.63 min Scan# 1370

Delta R.T. 0.00 min

Lab File: BE092435.D

Acq: 30 Sep 2016 14:35

Instrument :

BNA\_E

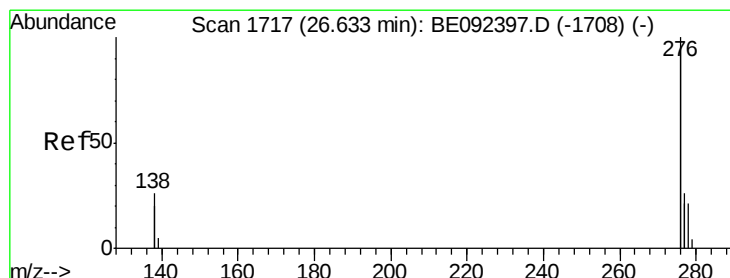
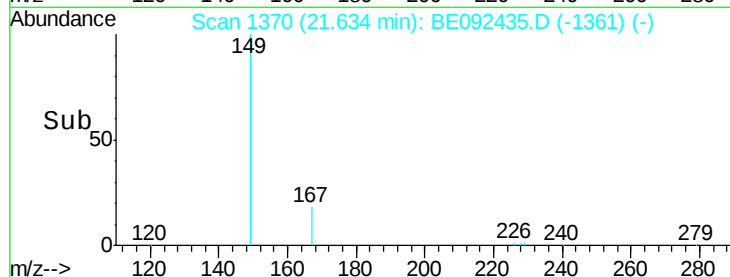
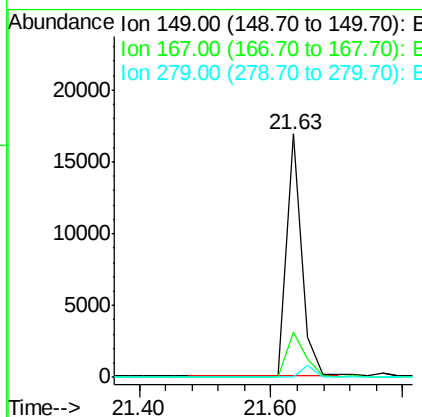
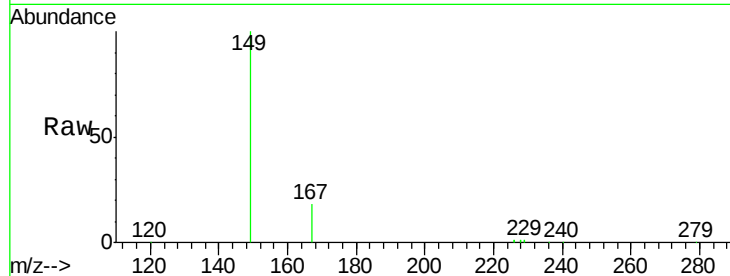
ClientSampleId :

PB93716BS

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 149     | 100   | 26849 |       |       |
| 167     | 21.9  | 16.0  | 24.0  |       |
| 279     | 0.0   | 16.0  | 24.0  |       |

Manual Integrations  
APPROVED

sohil  
10/3/2016 6:47:28 PM



#30

Indeno(1,2,3-cd)pyrene

Concen: 3.82 ng

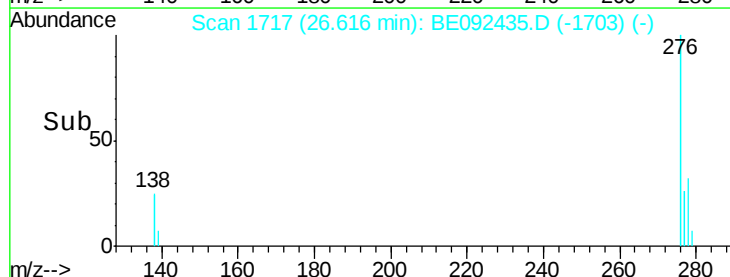
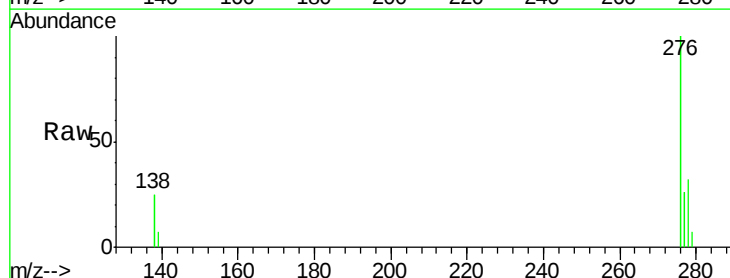
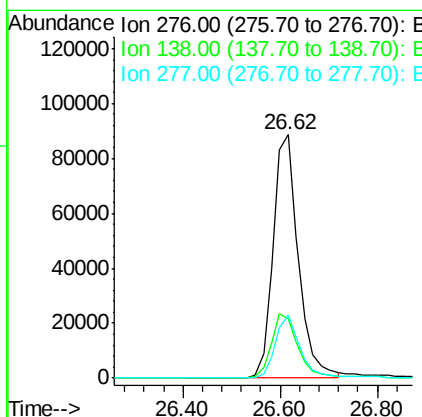
RT: 26.62 min Scan# 1717

Delta R.T. 0.04 min

Lab File: BE092435.D

Acq: 30 Sep 2016 14:35

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 318040 |       |       |
| 138     | 27.3  | 20.3   | 30.5  |       |
| 277     | 24.7  | 19.7   | 29.5  |       |





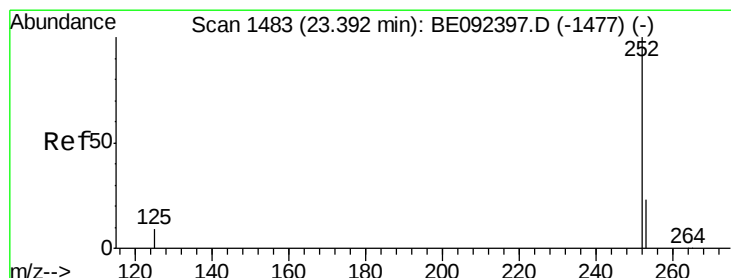
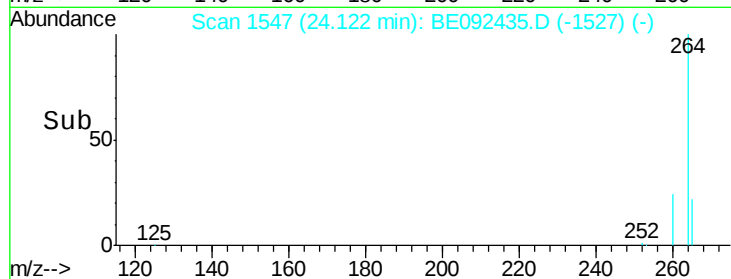
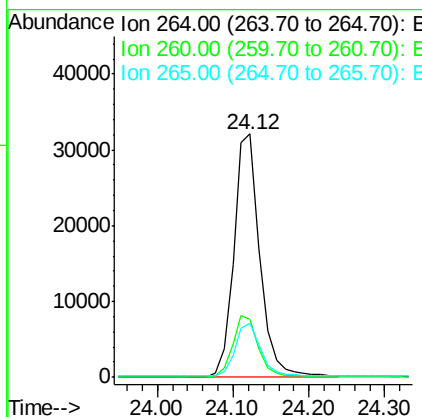
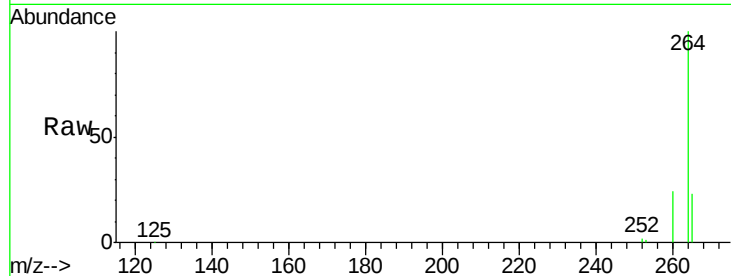
#31  
 Perylene-d12  
 Concen: 5.00 ng  
 RT: 24.12 min Scan# 1547  
 Delta R.T. 0.04 min  
 Lab File: BE092435.D  
 Acq: 30 Sep 2016 14:35

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB93716BS

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 264     | 100   | 76694 |       |       |
| 260     | 24.0  |       | 20.1  | 30.1  |
| 265     | 22.5  |       | 17.9  | 26.9  |

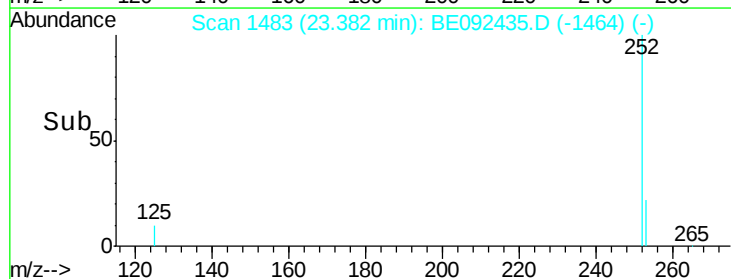
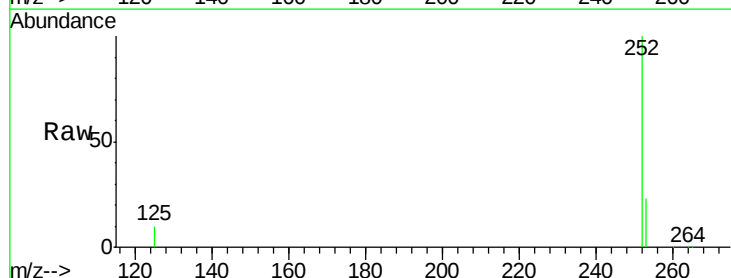
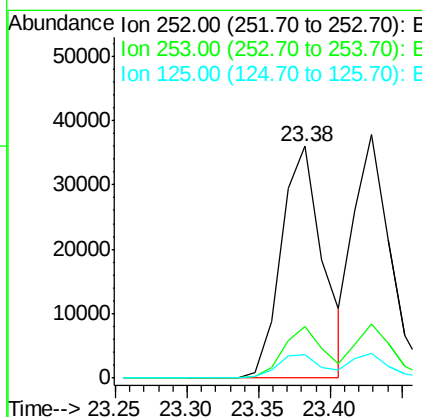
Manual Integrations  
 APPROVED

sohil  
 10/3/2016 6:47:28 PM



#32  
 Benzo(b)fluoranthene  
 Concen: 3.89 ng  
 RT: 23.38 min Scan# 1483  
 Delta R.T. 0.02 min  
 Lab File: BE092435.D  
 Acq: 30 Sep 2016 14:35

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 252     | 100   | 72236 |       |       |
| 253     | 22.5  |       | 18.7  | 28.1  |
| 125     | 9.9   |       | 10.5  | 15.7# |





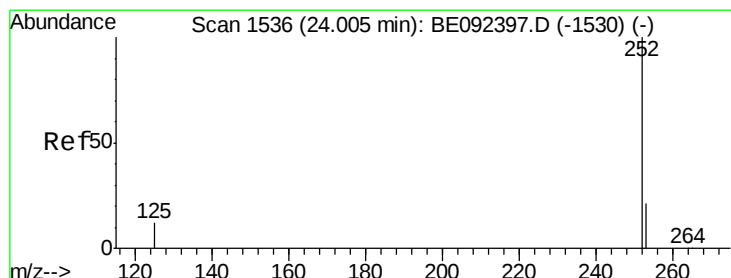
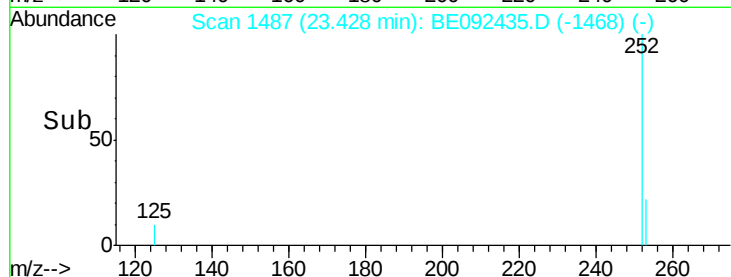
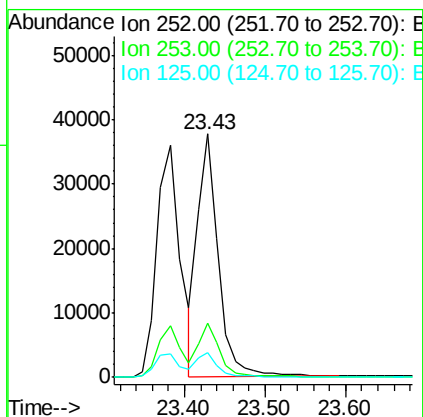
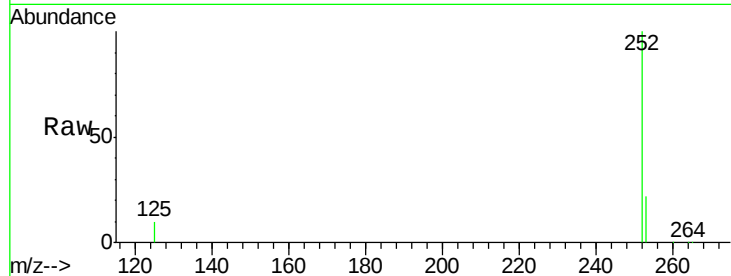
#33  
Benzo(k)fluoranthene  
Concen: 3.48 ng  
RT: 23.43 min Scan# 1487  
Delta R.T. 0.02 min  
Lab File: BE092435.D  
Acq: 30 Sep 2016 14:35

Instrument :  
BNA\_E  
ClientSampleId :  
PB93716BS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.3  | 20.3  | 30.5  |
| 125     | 10.1  | 9.6   | 14.4  |

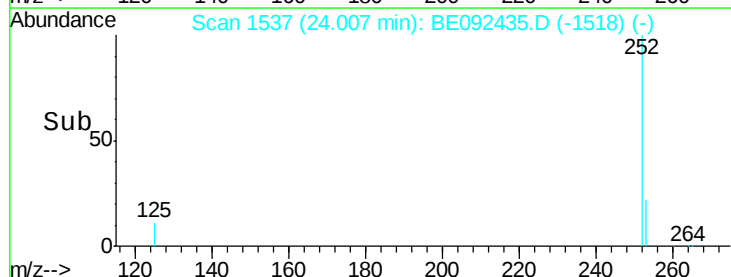
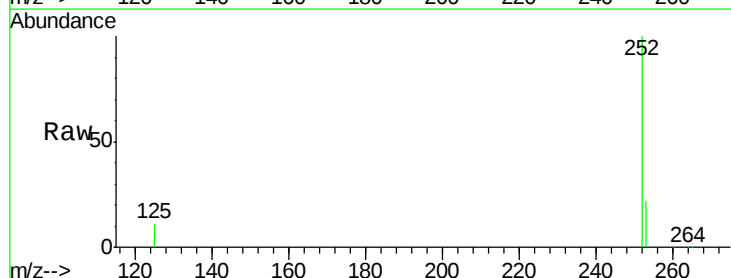
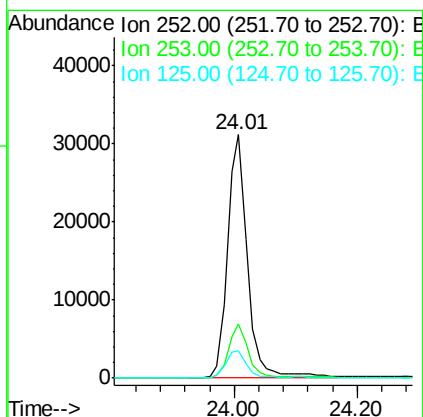
Manual Integrations  
APPROVED

sohil  
10/3/2016 6:47:28 PM



#34  
Benzo(a)pyrene  
Concen: 3.78 ng  
RT: 24.01 min Scan# 1537  
Delta R.T. 0.02 min  
Lab File: BE092435.D  
Acq: 30 Sep 2016 14:35

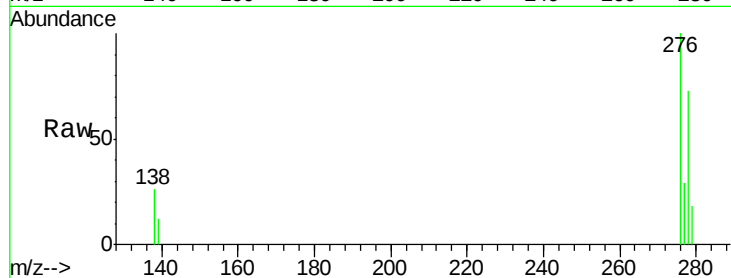
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.4  | 19.0  | 28.6  |
| 125     | 11.1  | 11.8  | 17.8  |





#35  
Dibenzo(a,h)anthracene  
Concen: 3.94 ng  
RT: 26.63 min Scan# 1718  
Delta R.T. 0.04 min  
Lab File: BE092435.D  
Acq: 30 Sep 2016 14:35

Instrument :  
BNA\_E  
ClientSampleId :  
PB93716BS

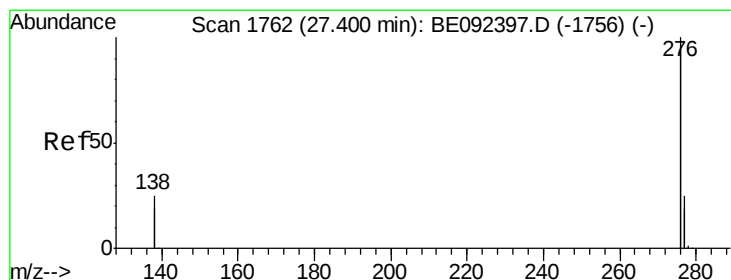
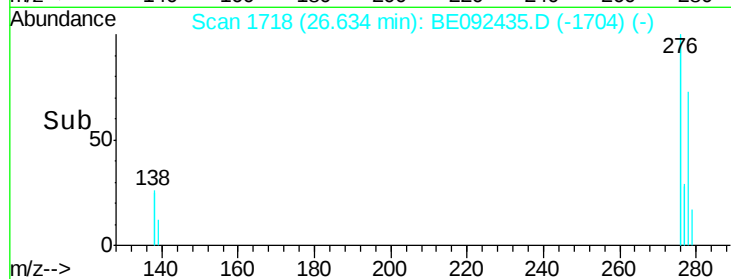
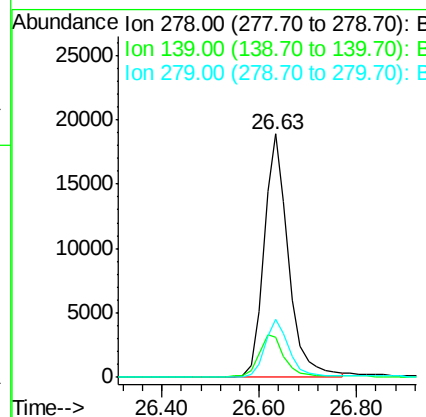


Tgt Ion: 278 Resp: 65698  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 16.2  | 13.8  | 20.8  |
| 279 | 23.9  | 21.4  | 32.2  |

Manual Integrations  
APPROVED

sohil  
10/3/2016 6:47:28 PM



#36  
Benzo(g,h,i)perylene  
Concen: 3.81 ng  
RT: 27.38 min Scan# 1762  
Delta R.T. 0.04 min  
Lab File: BE092435.D  
Acq: 30 Sep 2016 14:35

Tgt Ion: 276 Resp: 273012  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.9  | 19.8  | 29.8  |
| 138 | 22.2  | 19.8  | 29.6  |

