

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092518\  
 Data File : BE097656.D  
 Acq On : 25 Sep 2018 14:12  
 Operator : SJ/JU  
 Sample : PB113162BL  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB113162BL

Manual Integrations  
 APPROVED

Sohil  
 9/26/2018 6:00:13 PM

Quant Time: Sep 26 07:58:25 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 24 18:40:34 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.39  | 152  | 791      | 0.40 | ng    | 0.01     |
| 7) Naphthalene-d8           | 10.17 | 136  | 3178     | 0.40 | ng    | 0.04     |
| 13) Acenaphthene-d10        | 14.03 | 164  | 1807     | 0.40 | ng    | 0.02     |
| 19) Phenanthrene-d10        | 16.79 | 188  | 4973     | 0.40 | ng    | 0.03     |
| 27) Chrysene-d12            | 20.98 | 240  | 6473     | 0.40 | ng    | 0.01     |
| 34) Perylene-d12            | 23.22 | 264  | 6192     | 0.40 | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |      |       |          |
| 4) 2-Fluorophenol           | 5.07  | 112  | 868      | 0.42 | ng    | 0.01     |
| 5) Phenol-d6                | 6.68  | 99   | 826m     | 0.28 | ng    | 0.06     |
| 8) Nitrobenzene-d5          | 8.61  | 82   | 521      | 0.29 | ng    | 0.07     |
| 11) 2-Methylnaphthalene-d10 | 11.79 | 152  | 1938     | 0.41 | ng    | 0.07     |
| 14) 2,4,6-Tribromophenol    | 15.58 | 330  | 157      | 0.25 | ng    | 0.05     |
| 15) 2-Fluorobiphenyl        | 12.68 | 172  | 2685     | 0.46 | ng    | 0.05     |
| 25) Fluoranthene-d10        | 18.82 | 212  | 26997    | 0.50 | ng    | 0.02     |
| 29) Terphenyl-d14           | 19.42 | 244  | 4918     | 0.39 | ng    | 0.00     |

Target Compounds Qvalue

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

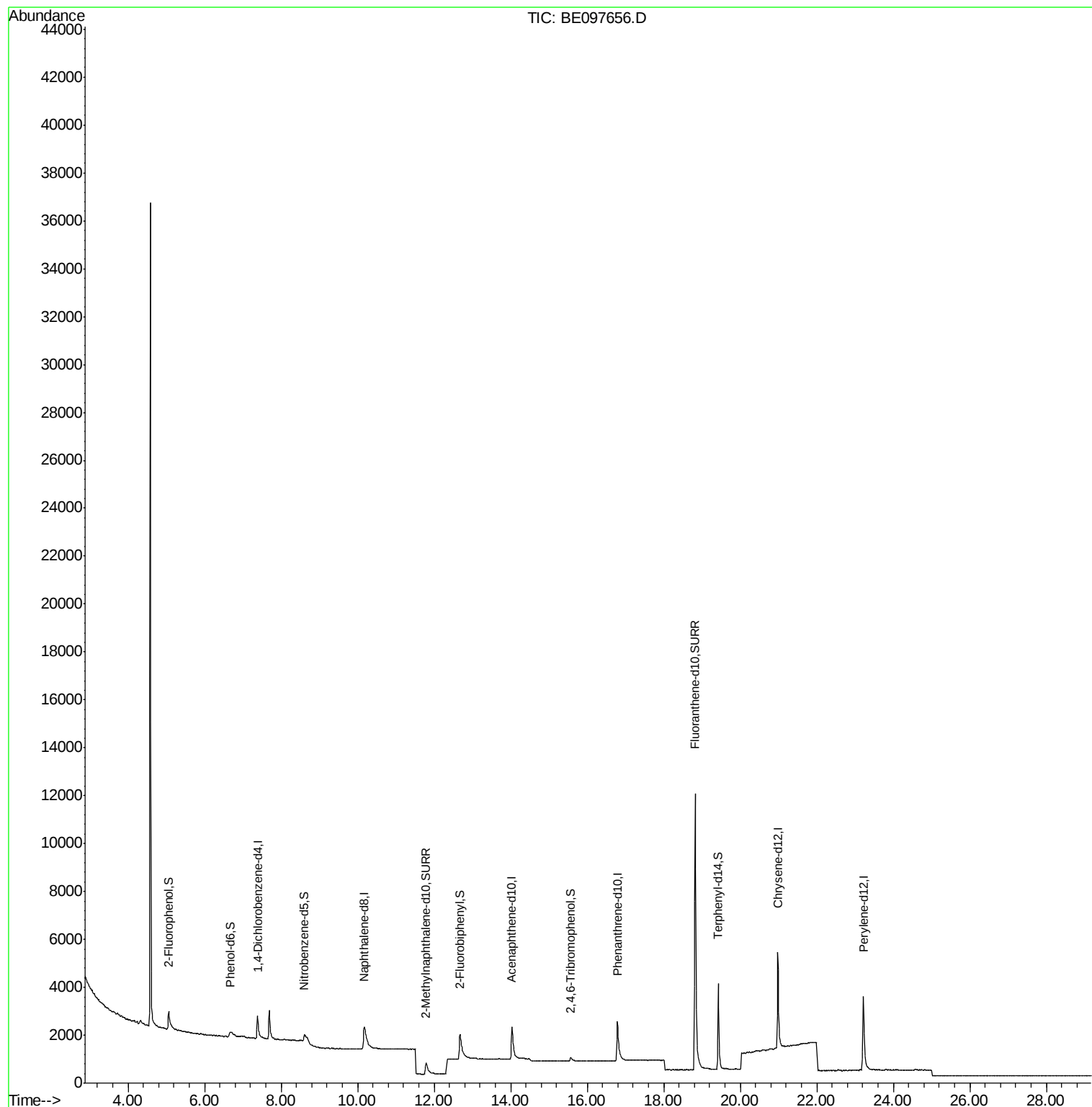
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092518\  
Data File : BE097656.D  
Acq On : 25 Sep 2018 14:12  
Operator : SJ/JU  
Sample : PB113162BL  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

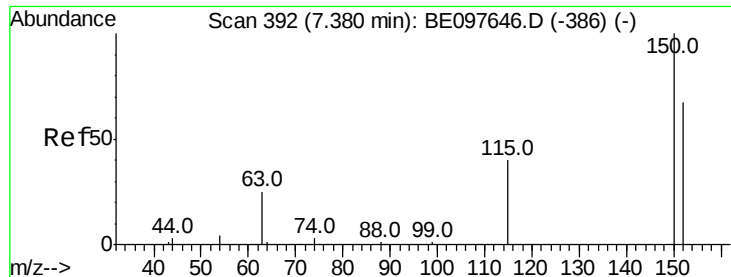
Instrument :  
BNA\_E  
ClientSampleId :  
PB113162BL

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#1

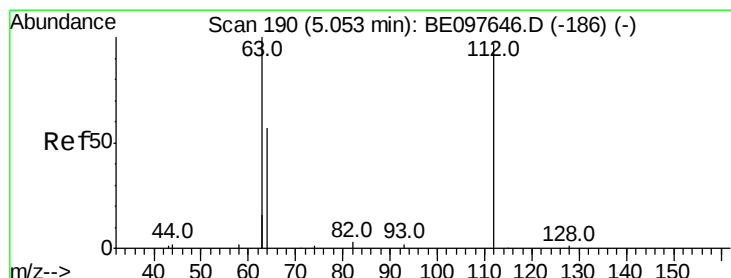
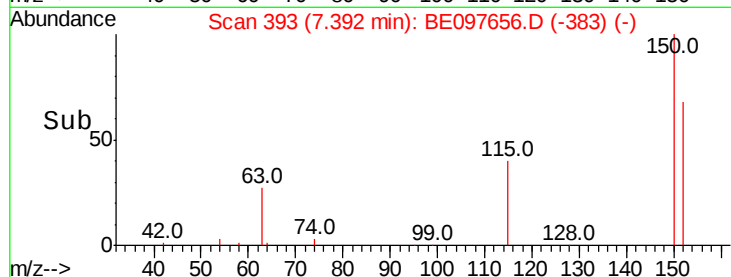
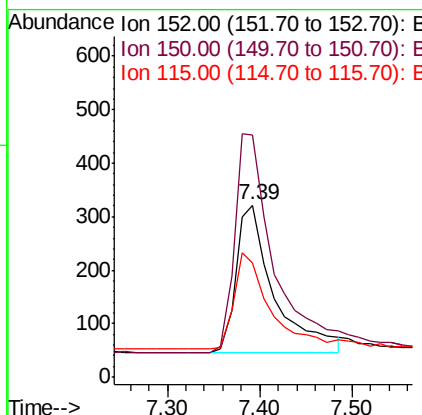
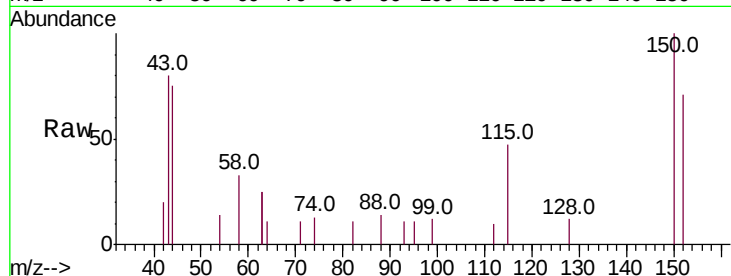
1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.39 min Scan# 393  
 Delta R.T. 0.01 min  
 Lab File: BE097656.D  
 Acq: 25 Sep 2018 14:12

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB113162BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 140.4 | 117.2 | 175.8 |
| 115     | 66.5  | 57.0  | 85.6  |

Manual Integrations  
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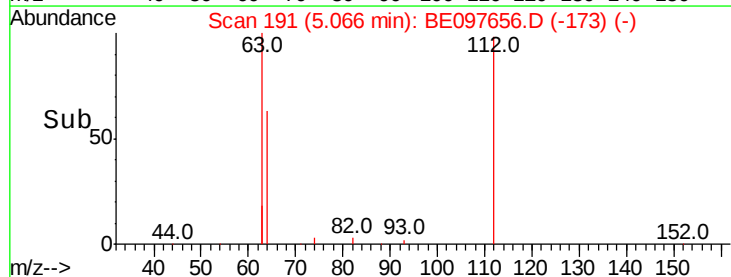
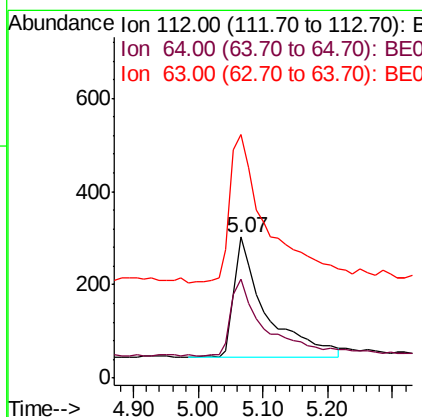
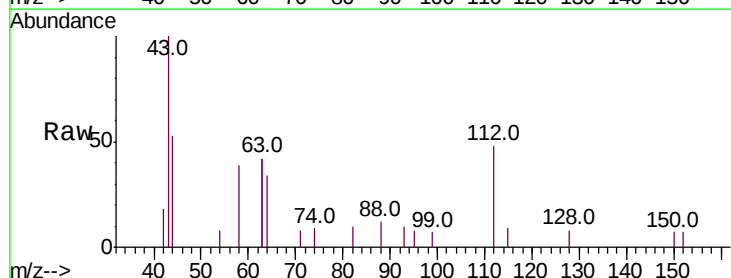
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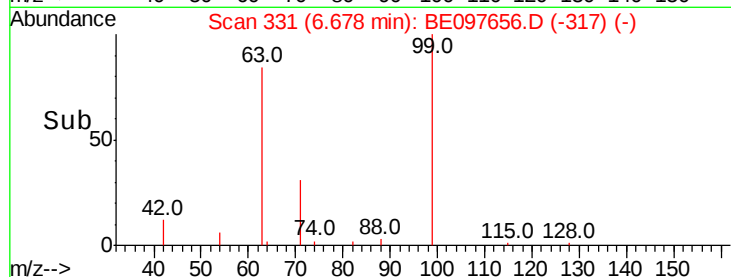
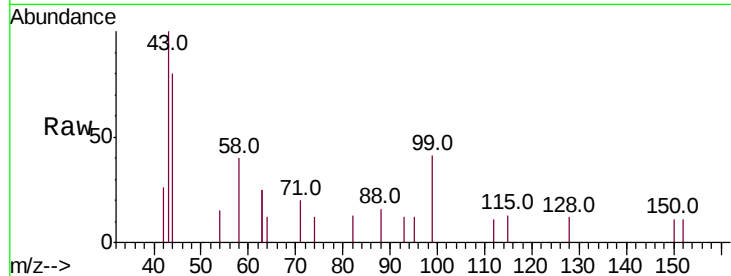
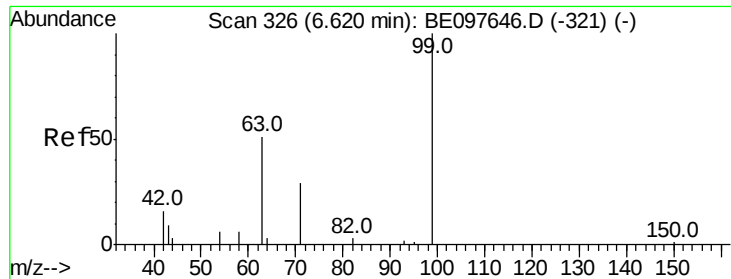


#4

2-Fluorophenol  
 Concen: 0.417 ng  
 RT: 5.07 min Scan# 191  
 Delta R.T. 0.01 min  
 Lab File: BE097656.D  
 Acq: 25 Sep 2018 14:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 69.7  | 60.1  | 90.1  |
| 63      | 144.4 | 116.8 | 175.2 |





#5

Phenol-d6

Concen: 0.281 ng/ml

RT: 6.68 min Scan# 331

Delta R.T. 0.06 min

Lab File: BE097656.D

Acq: 25 Sep 2018 14:12

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 9.7   | 20.2  | 30.2# |
| 71      | 14.9  | 28.4  | 42.6# |

Instrument :

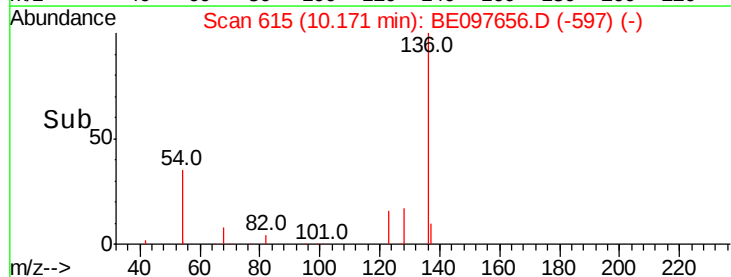
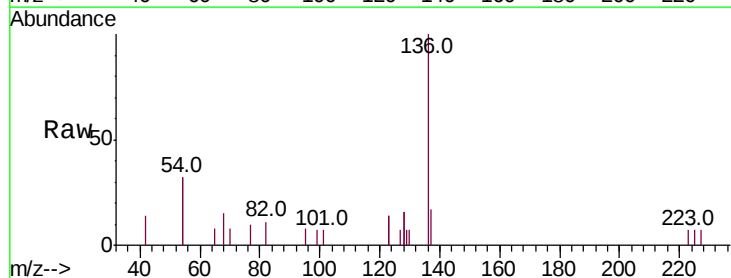
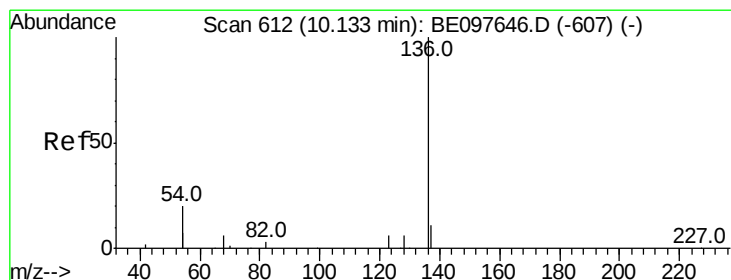
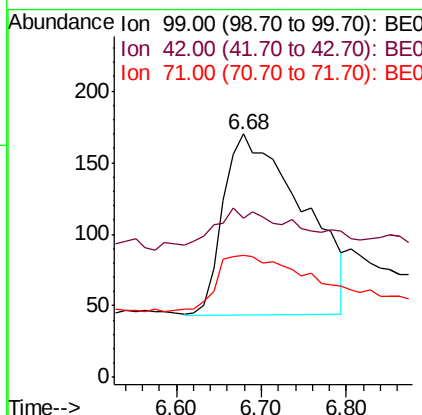
BNA\_E

ClientSampled :

PB113162BL

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#7

Naphthalene-d8

Concen: 0.400 ng/ml

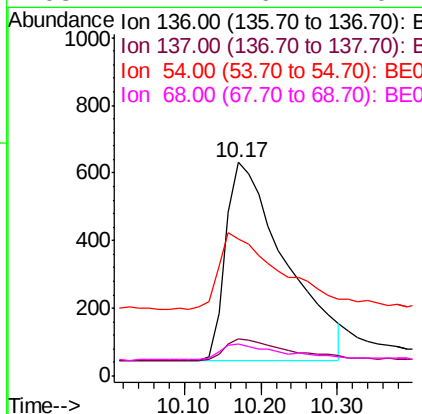
RT: 10.17 min Scan# 615

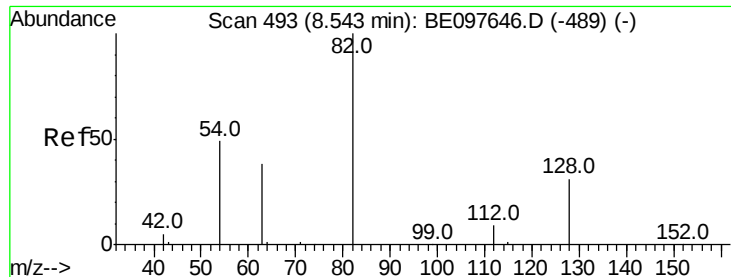
Delta R.T. 0.04 min

Lab File: BE097656.D

Acq: 25 Sep 2018 14:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 17.1  | 9.5   | 14.3# |
| 54      | 64.3  | 29.1  | 43.7# |
| 68      | 14.7  | 6.2   | 9.2#  |





#8

Nitrobenzene-d5

Concen: 0.290 ng

RT: 8.61 min Scan# 499

Delta R.T. 0.07 min

Lab File: BE097656.D

Acq: 25 Sep 2018 14:12

Instrument :

BNA\_E

ClientSampleId :

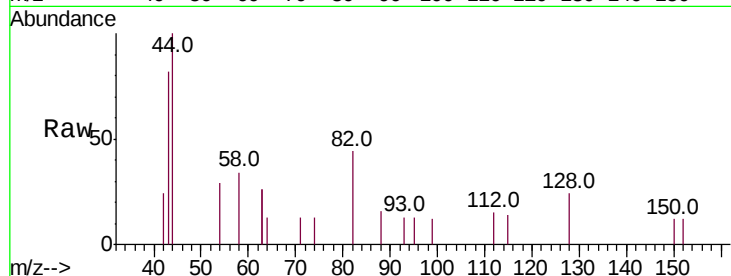
PB113162BL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 82    | Resp: | 521   |
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 54.2  | 24.0  | 36.0# |
| 54        | 64.9  | 40.0  | 60.0# |

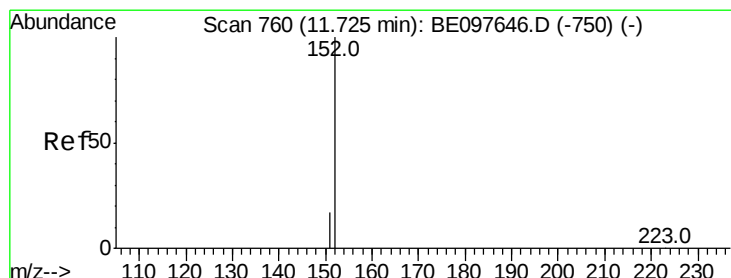
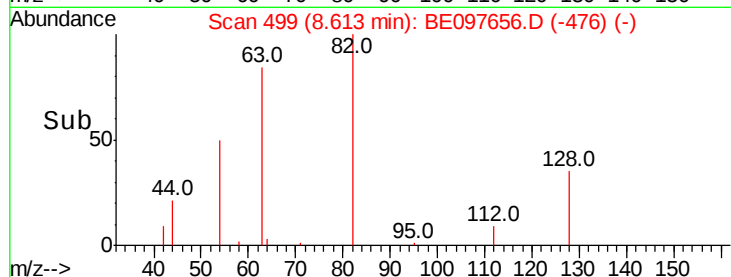
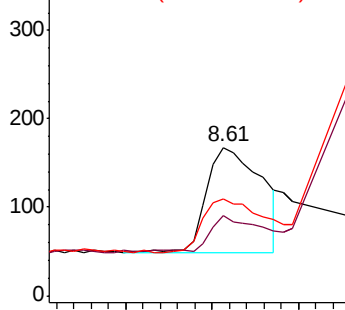
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Abundance Ion 82.00 (81.70 to 82.70): BE097646.D (-489) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.412 ng

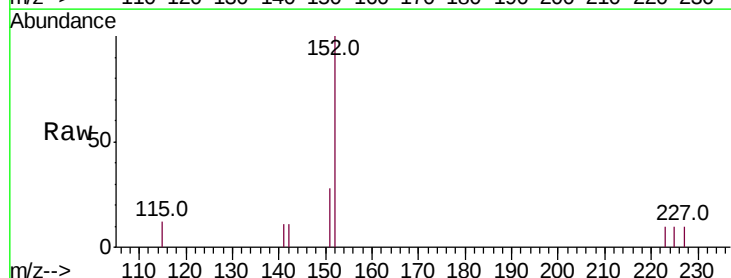
RT: 11.79 min Scan# 774

Delta R.T. 0.07 min

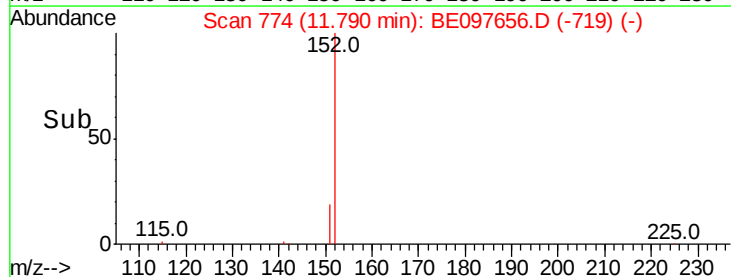
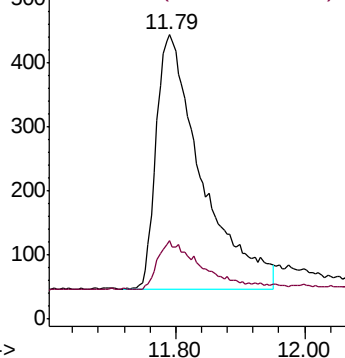
Lab File: BE097656.D

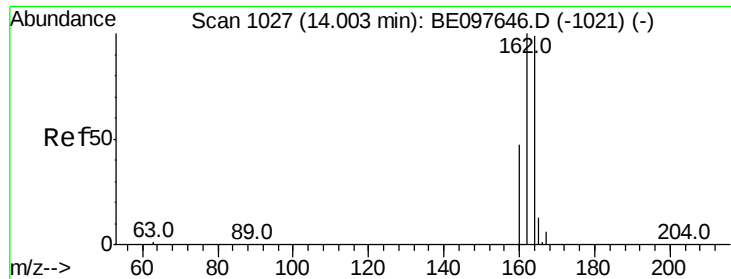
Acq: 25 Sep 2018 14:12

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 152   | Resp: | 1938 |
| Ion Ratio | Lower | Upper |      |
| 152       | 100   |       |      |
| 151       | 17.6  | 15.4  | 23.0 |



Abundance Ion 152.00 (151.70 to 152.70): BE097646.D (-750) (-)





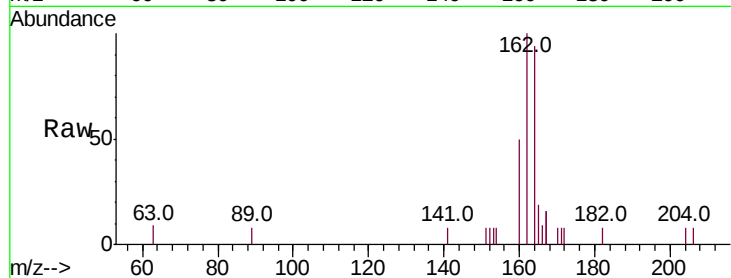
#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.03 min Scan# 1029  
Delta R.T. 0.02 min  
Lab File: BE097656.D  
Acq: 25 Sep 2018 14:12

Instrument :  
BNA\_E  
ClientSampleId :  
PB113162BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 106.7 | 83.1  | 124.7 |
| 160     | 53.5  | 37.1  | 55.7  |

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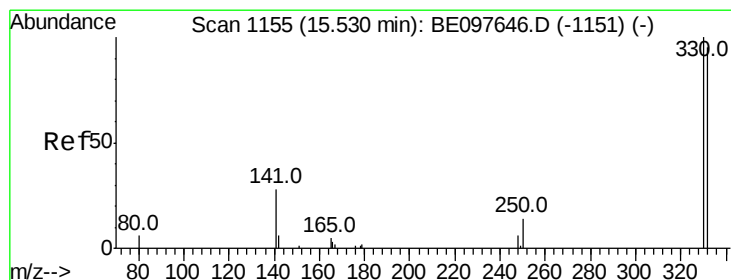
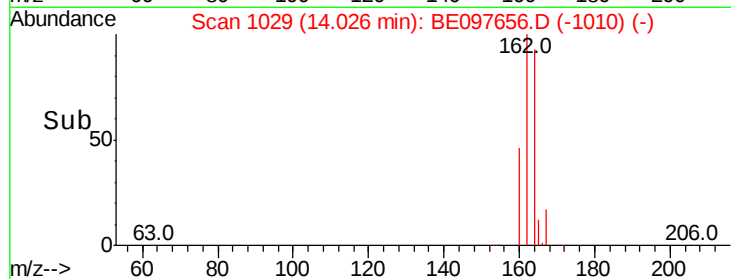
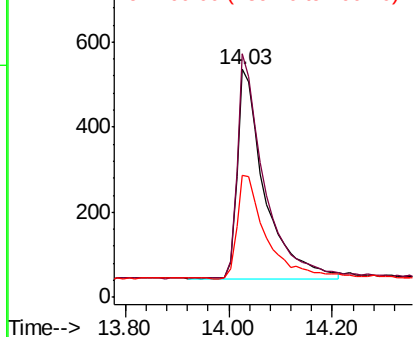


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14  
2,4,6-Tribromophenol  
Concen: 0.252 ng  
RT: 15.58 min Scan# 1159  
Delta R.T. 0.05 min  
Lab File: BE097656.D  
Acq: 25 Sep 2018 14:12

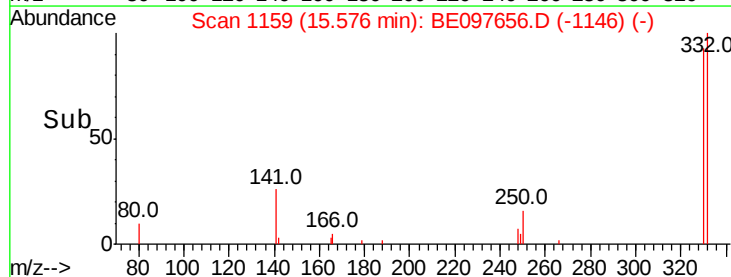
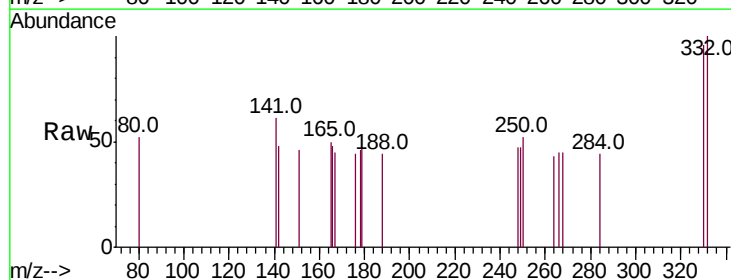
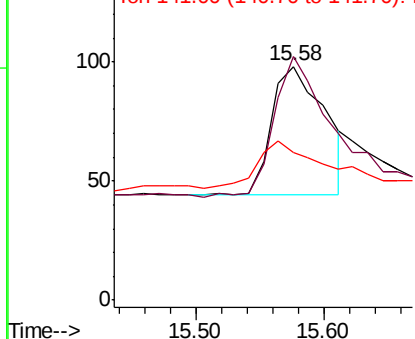
| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 330     | 100   |       |        |
| 332     | 103.2 | 152.7 | 229.1# |
| 141     | 39.5  | 33.7  | 50.5   |

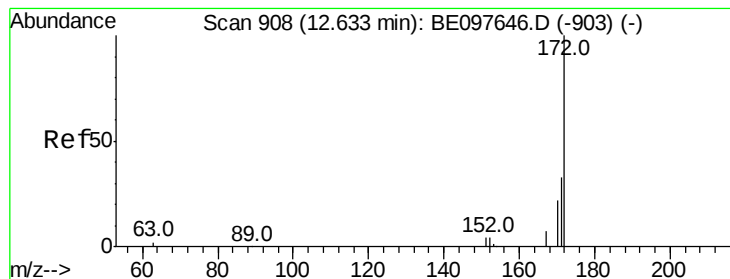
Abundance

Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





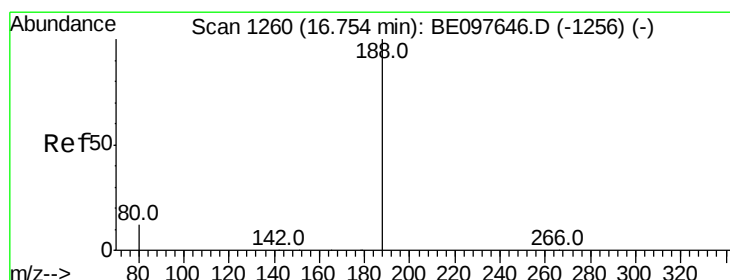
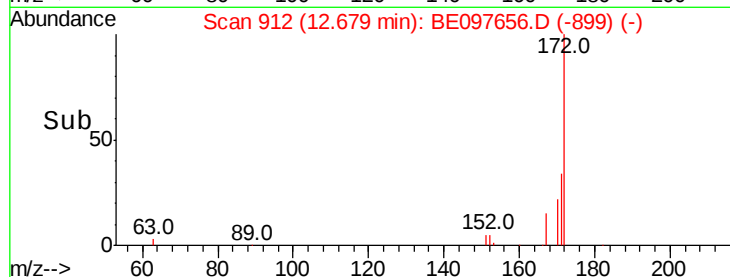
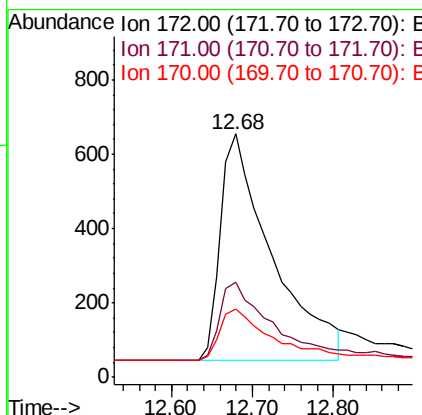
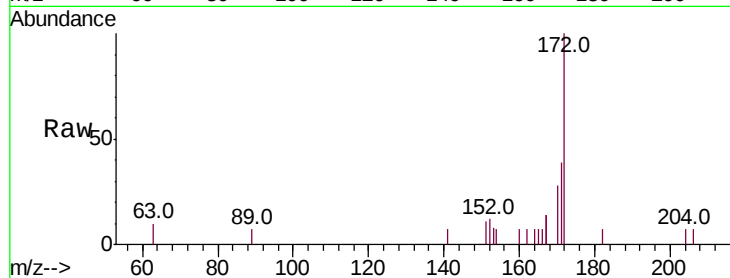
#15  
2-Fluorobiphenyl  
Concen: 0.455 ng  
RT: 12.68 min Scan# 912  
Delta R.T. 0.05 min  
Lab File: BE097656.D  
Acq: 25 Sep 2018 14:12

Instrument :  
BNA\_E  
ClientSampleId :  
PB113162BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.8  | 29.9  | 44.9  |
| 170     | 27.8  | 21.8  | 32.8  |

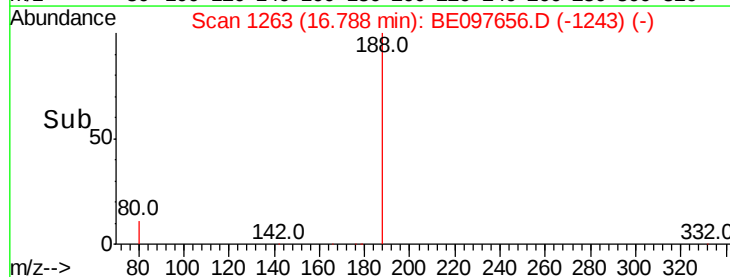
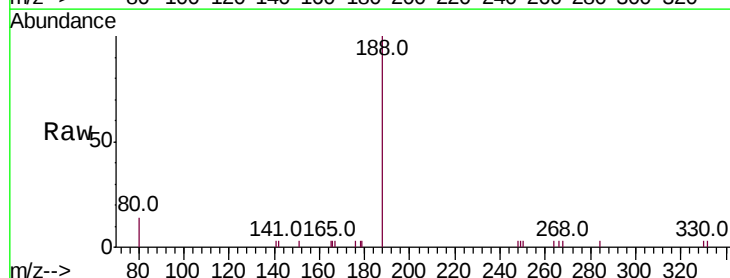
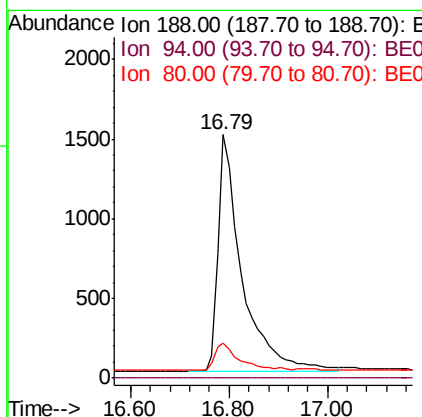
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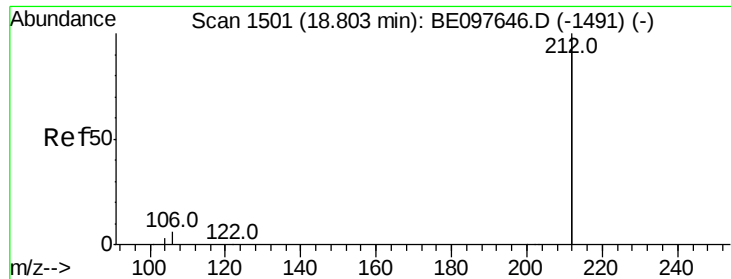
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#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.79 min Scan# 1263  
Delta R.T. 0.03 min  
Lab File: BE097656.D  
Acq: 25 Sep 2018 14:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 0.0   | 3.9   | 5.9#  |
| 80      | 14.3  | 3.6   | 5.4#  |





#25

Fluoranthene-d10

Concen: 0.498 ng

RT: 18.82 min Scan# 1505

Delta R.T. 0.02 min

Lab File: BE097656.D

Acq: 25 Sep 2018 14:12

Instrument :

BNA\_E

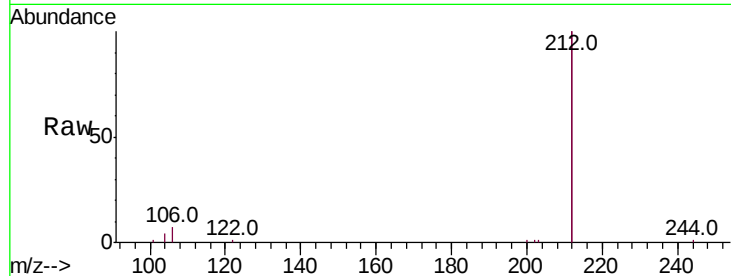
ClientSampleId :

PB113162BL

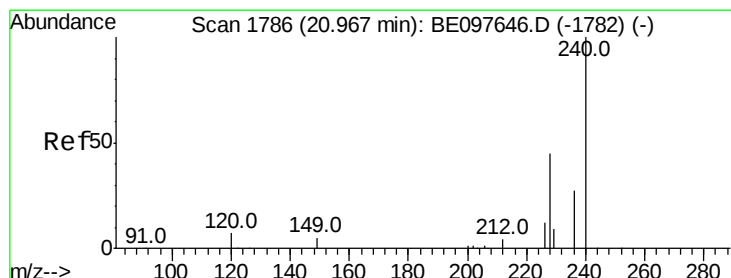
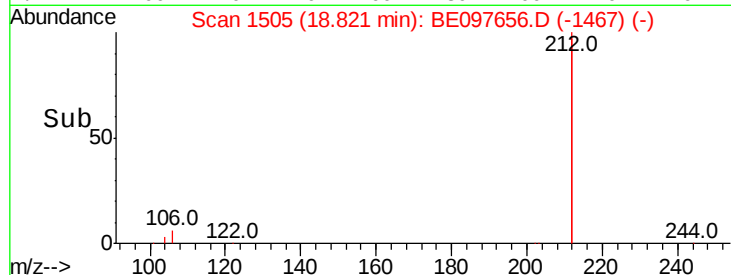
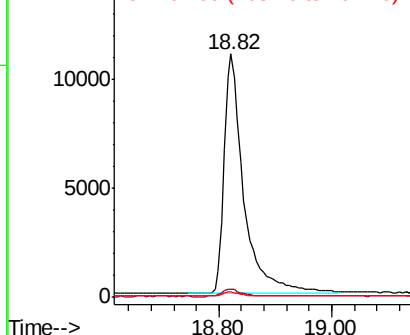
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 212   | Resp: | 26997 |
| Ion Ratio | Lower | Upper |       |
| 212       | 100   |       |       |
| 106       | 3.1   | 2.8   | 4.2   |
| 104       | 1.8   | 1.6   | 2.4   |

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Abundance Ion 212.00 (211.70 to 212.70): E  
15000 Ion 106.00 (105.70 to 106.70): E  
Ion 104.00 (103.70 to 104.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1788

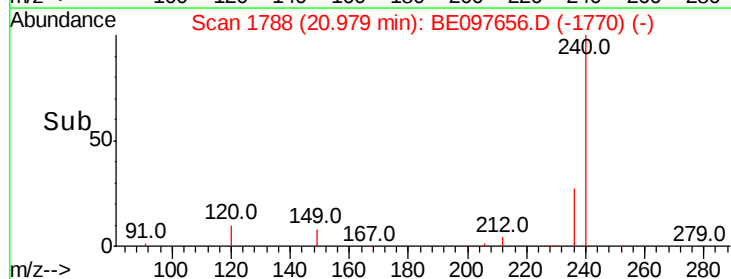
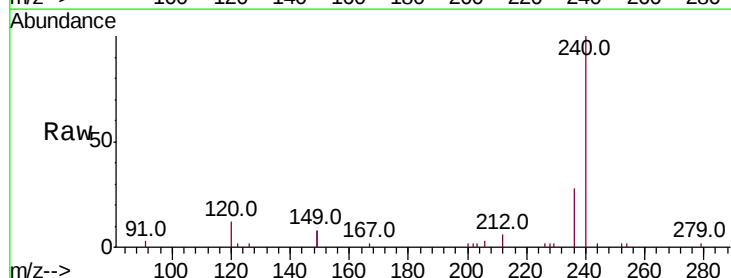
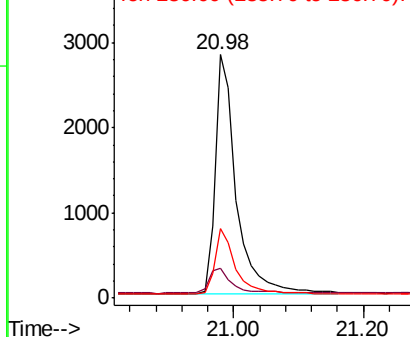
Delta R.T. 0.01 min

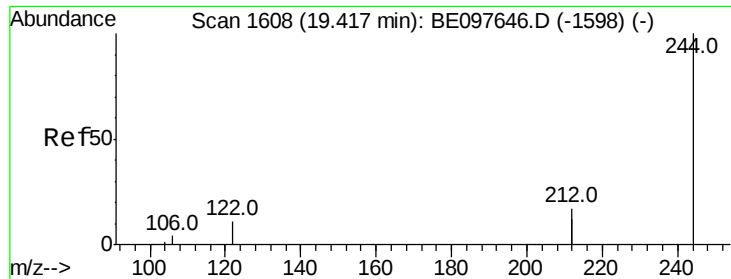
Lab File: BE097656.D

Acq: 25 Sep 2018 14:12

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 240   | Resp: | 6473 |
| Ion Ratio | Lower | Upper |      |
| 240       | 100   |       |      |
| 120       | 12.1  | 5.5   | 8.3# |
| 236       | 28.4  | 20.7  | 31.1 |

Abundance Ion 240.00 (239.70 to 240.70): E  
4000 Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E





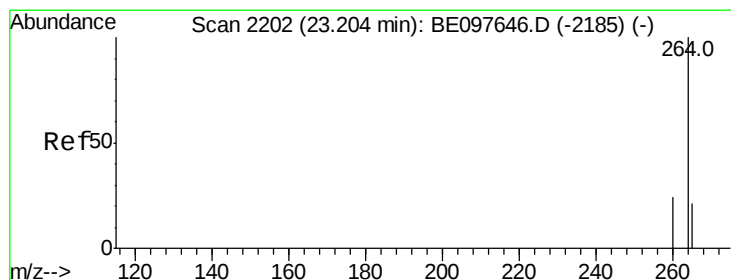
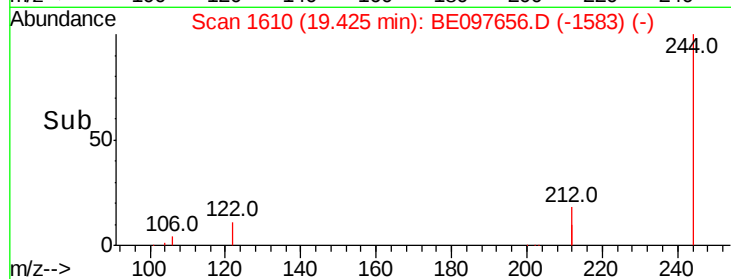
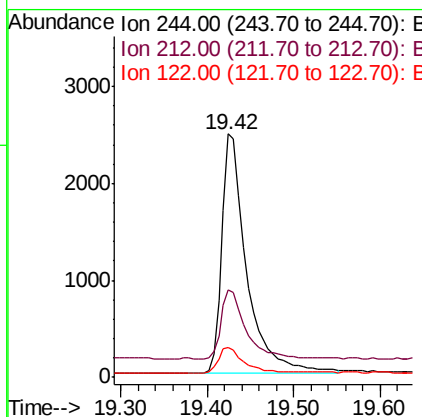
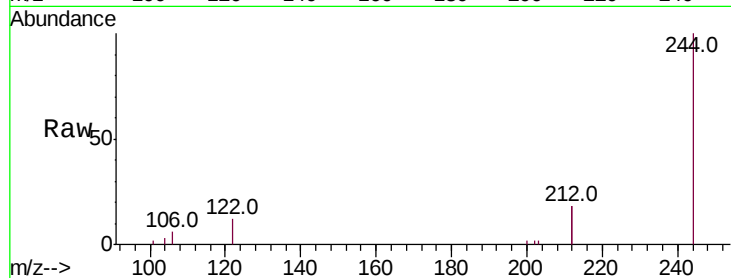
#29  
 Terphenyl-d14  
 Concen: 0.386 ng  
 RT: 19.42 min Scan# 1610  
 Delta R.T. 0.01 min  
 Lab File: BE097656.D  
 Acq: 25 Sep 2018 14:12

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB113162BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 35.7  | 25.4  | 38.0  |
| 122     | 12.3  | 8.1   | 12.1  |

Manual Integrations  
 APPROVED

Sohil  
 9/26/2018 6:00:13 PM



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.22 min Scan# 2208  
 Delta R.T. 0.02 min  
 Lab File: BE097656.D  
 Acq: 25 Sep 2018 14:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 26.7  | 20.5  | 30.7  |
| 265     | 30.6  | 22.8  | 34.2  |

