

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092118\  
 Data File : BE097639.D  
 Acq On : 22 Sep 2018 8:42  
 Operator : SJ/JU  
 Sample : J4934-03DL 5X  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 FT-PZ460I-20180912DL

Manual Integrations  
 APPROVED

Sohil  
 9/24/2018 8:30:59 AM

Quant Time: Sep 24 02:53:34 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 20 10:54:43 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.39  | 152  | 632      | 0.40  | ng    | 0.01     |
| 7) Naphthalene-d8              | 10.16 | 136  | 3170     | 0.40  | ng    | 0.03     |
| 13) Acenaphthene-d10           | 14.01 | 164  | 2415     | 0.40  | ng    | 0.01     |
| 19) Phenanthrene-d10           | 16.77 | 188  | 8002     | 0.40  | ng    | 0.01     |
| 27) Chrysene-d12               | 20.98 | 240  | 8219     | 0.40  | ng    | 0.01     |
| 34) Perylene-d12               | 23.21 | 264  | 7835     | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.07  | 112  | 116      | 0.06  | ng    | 0.01     |
| 5) Phenol-d6                   | 6.79  | 99   | 79m      | 0.03  | ng    | 0.19     |
| 8) Nitrobenzene-d5             | 8.65  | 82   | 202m     | 0.08  | ng    | 0.12     |
| 11) 2-Methylnaphthalene-d10    | 11.79 | 152  | 523      | 0.12  | ng    | 0.08     |
| 14) 2,4,6-Tribromophenol       | 15.53 | 330  | 119      | 0.20  | ng    | 0.01     |
| 15) 2-Fluorobiphenyl           | 12.67 | 172  | 1129     | 0.13  | ng    | 0.05     |
| 25) Fluoranthene-d10           | 18.81 | 212  | 10293    | 0.10  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.42 | 244  | 2329     | 0.15  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.07  | 88   | 1728     | 1.741 | ng    | # 89     |
| 32) Bis(2-ethylhexyl)phthalate | 20.91 | 149  | 716      | 0.031 | ng    | # 98     |

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

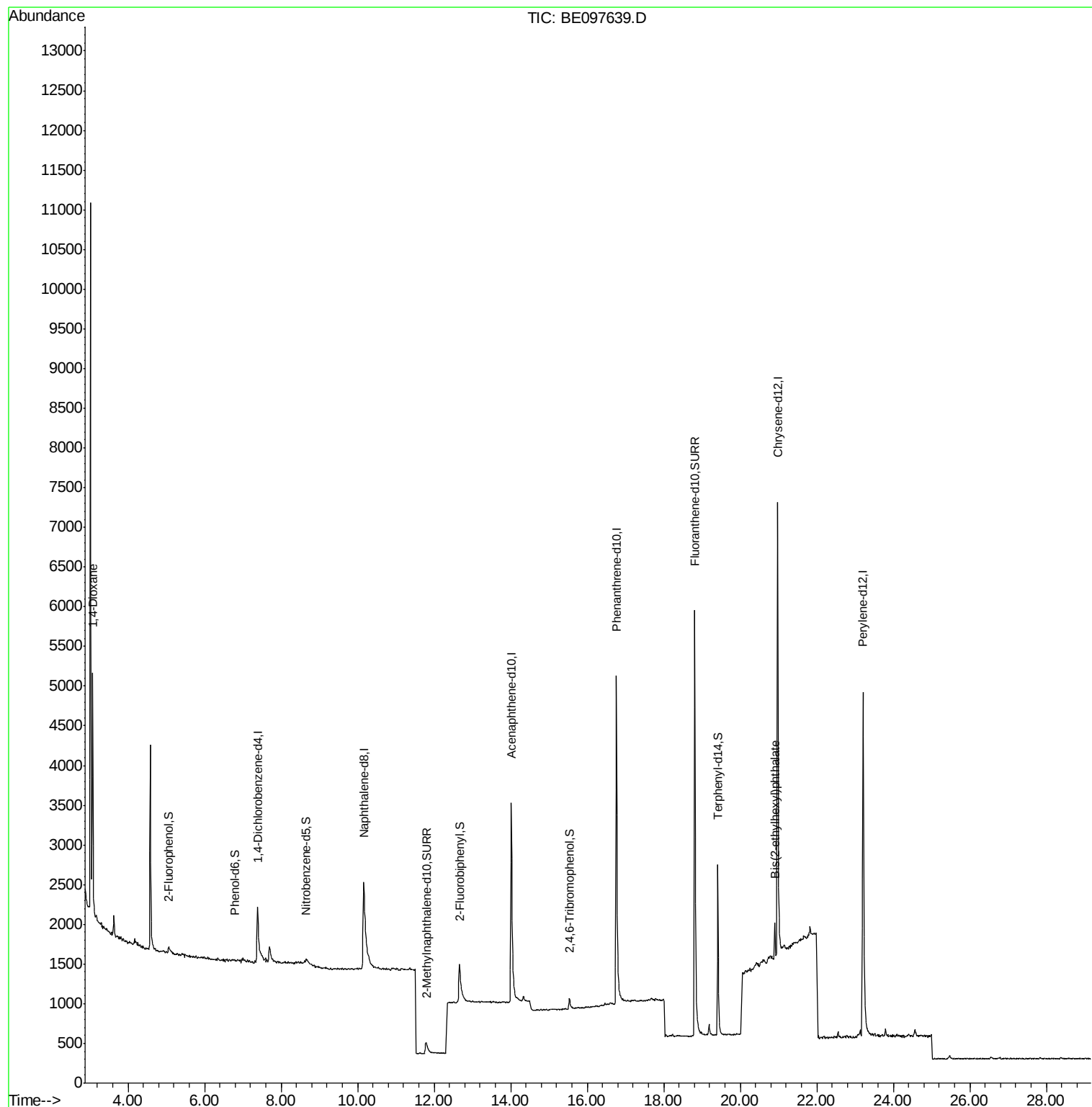
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092118\  
Data File : BE097639.D  
Acq On : 22 Sep 2018 8:42  
Operator : SJ/JU  
Sample : J4934-03DL 5X  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

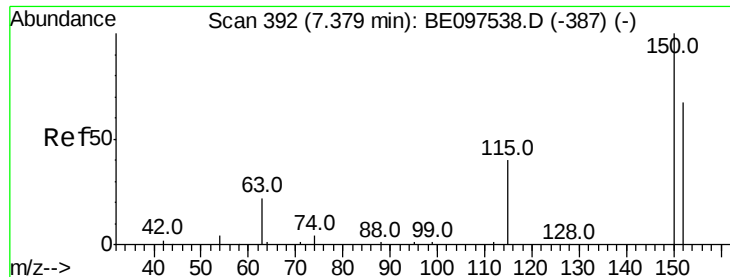
Instrument :  
BNA\_E  
ClientSampleId :  
FT-PZ460I-20180912DL

Manual Integrations  
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9/24/2018 8:30:59 AM

Quant Time: Sep 24 02:53:34 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 20 10:54:43 2018  
Response via : Initial Calibration





#1

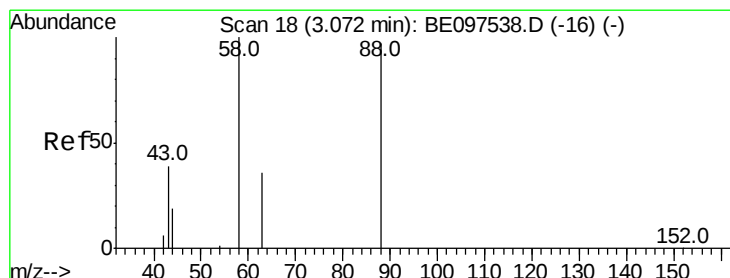
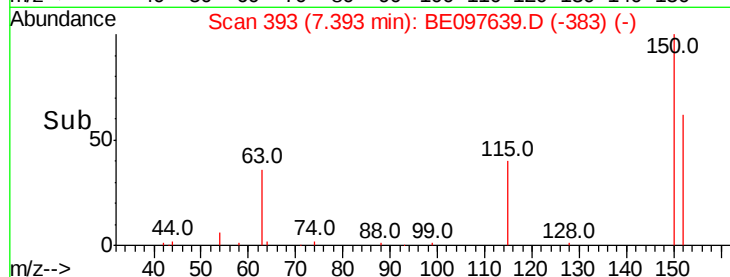
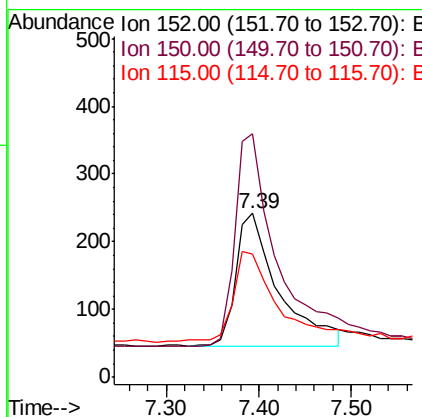
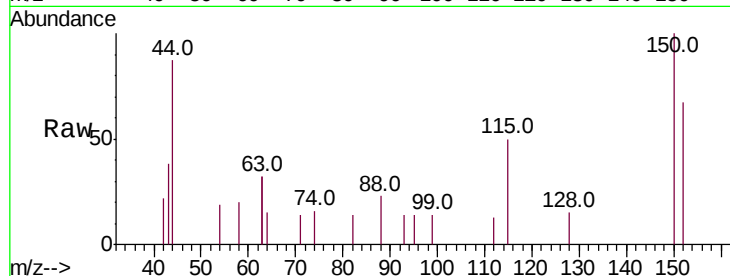
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.39 min Scan# 393  
Delta R.T. 0.01 min  
Lab File: BE097639.D  
Acq: 22 Sep 2018 8:42

Instrument :  
BNA\_E  
ClientSampleId :  
FT-PZ460I-20180912DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 148.3 | 117.2 | 175.8 |
| 115     | 74.8  | 57.0  | 85.6  |

Manual Integrations  
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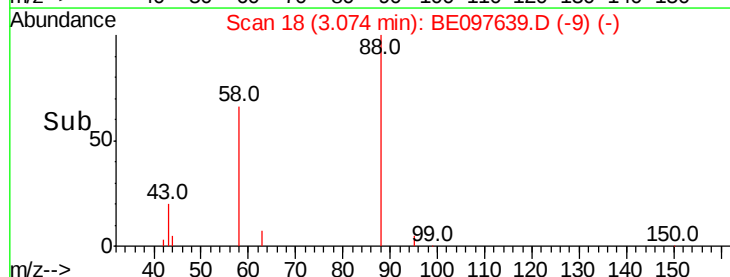
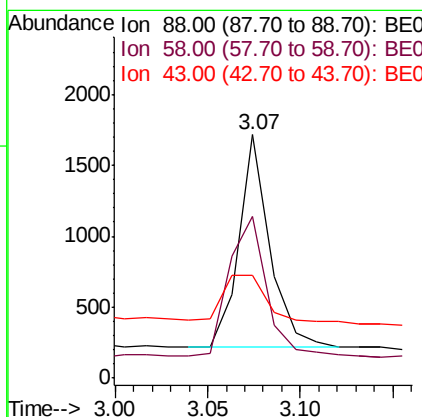
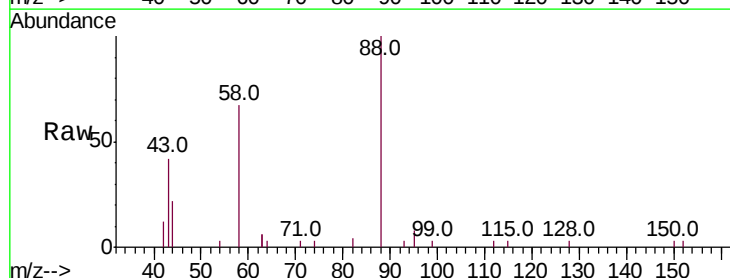
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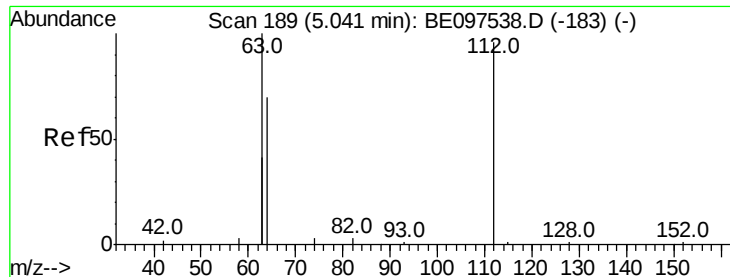


#2

1,4-Dioxane  
Concen: 1.741 ng  
RT: 3.07 min Scan# 18  
Delta R.T. 0.00 min  
Lab File: BE097639.D  
Acq: 22 Sep 2018 8:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 81.7  | 63.2  | 94.8  |
| 43      | 34.8  | 41.2  | 61.8# |





#4

2-Fluorophenol

Concen: 0.061 ng

RT: 5.07 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097639.D

Acq: 22 Sep 2018 8:42

Instrument :

BNA\_E

ClientSampleId :

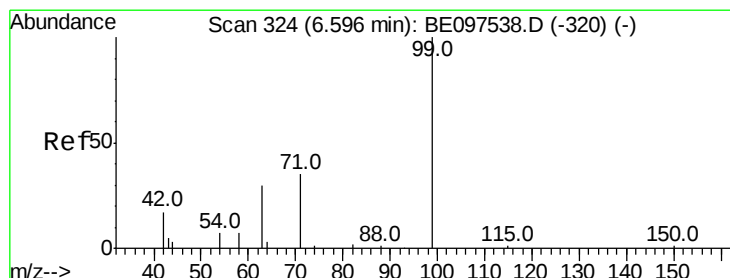
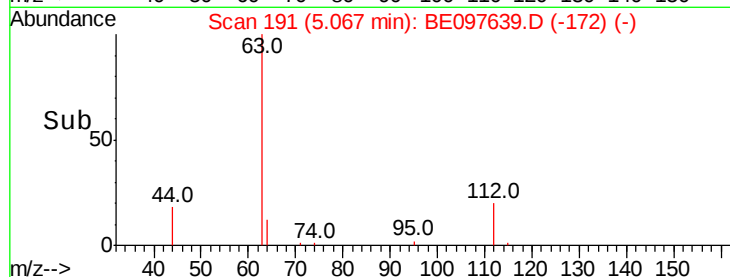
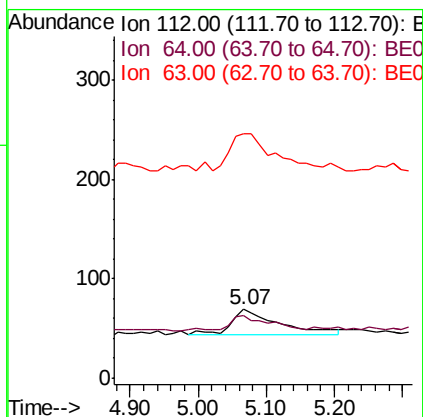
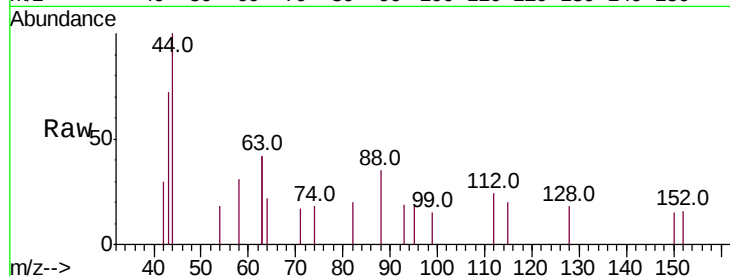
FT-PZ460I-20180912DL

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 112   | Resp: | 116   |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 64        | 47.4  | 60.1  | 90.1# |
| 63        | 162.1 | 116.8 | 175.2 |

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#5

Phenol-d6

Concen: 0.033 ng m

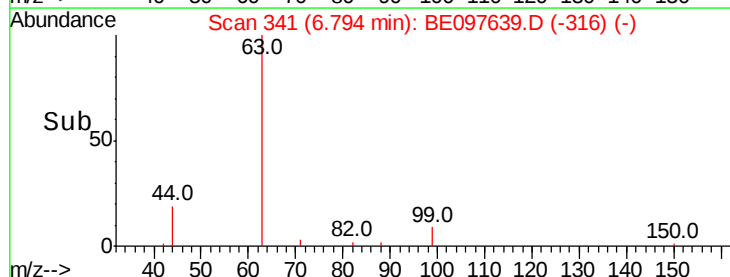
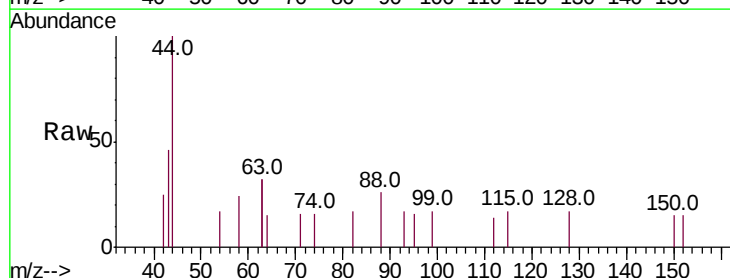
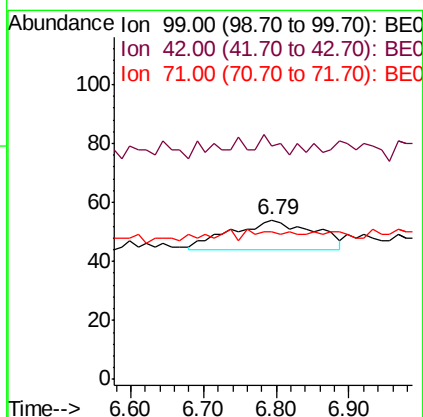
RT: 6.79 min Scan# 341

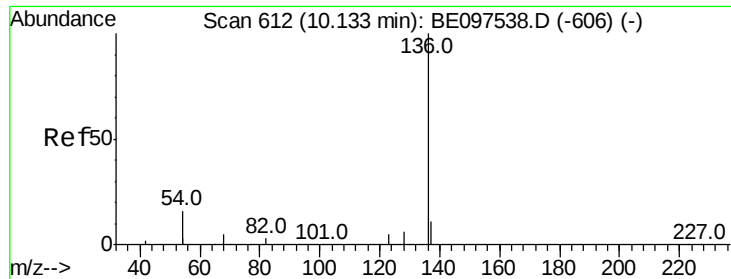
Delta R.T. 0.19 min

Lab File: BE097639.D

Acq: 22 Sep 2018 8:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 99    | Resp: | 79    |
| Ion Ratio | Lower | Upper |       |
| 99        | 100   |       |       |
| 42        | 10.1  | 20.2  | 30.2# |
| 71        | 0.0   | 28.4  | 42.6# |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 614

Delta R.T. 0.03 min

Lab File: BE097639.D

Acq: 22 Sep 2018 8:42

Instrument :

BNA\_E

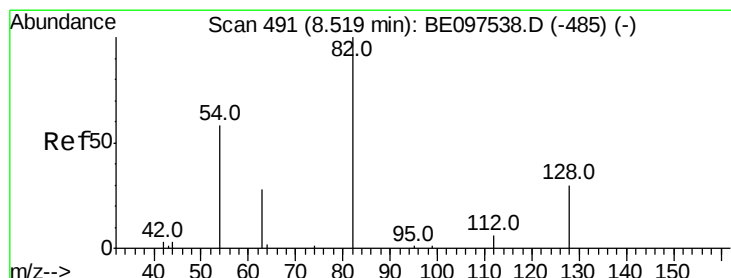
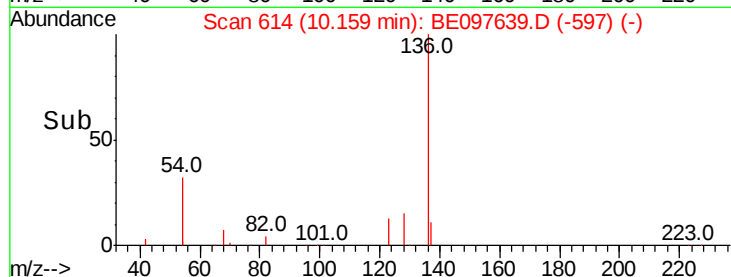
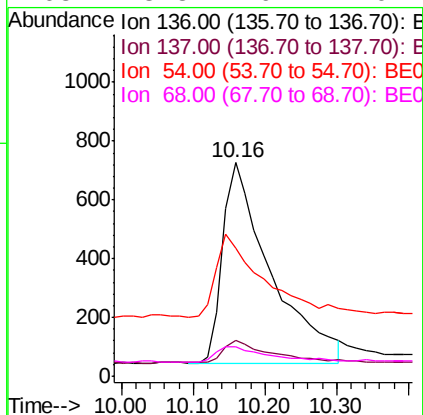
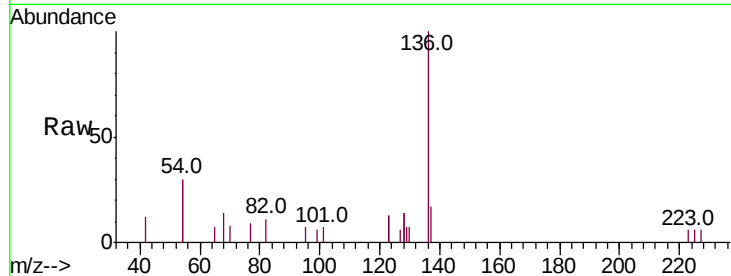
ClientSampleId :

FT-PZ460I-20180912DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 16.6  | 9.5   | 14.3# |
| 54      | 60.0  | 29.1  | 43.7# |
| 68      | 13.8  | 6.2   | 9.2#  |

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#8

Nitrobenzene-d5

Concen: 0.082 ng m

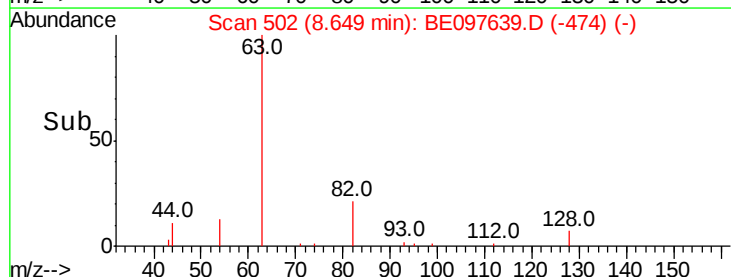
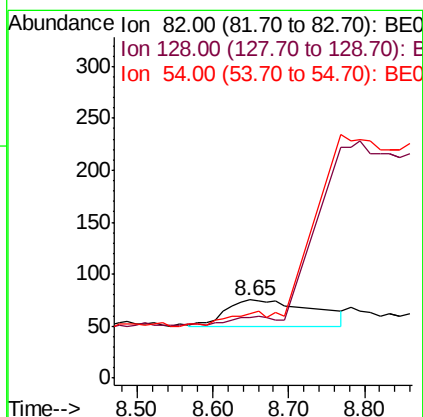
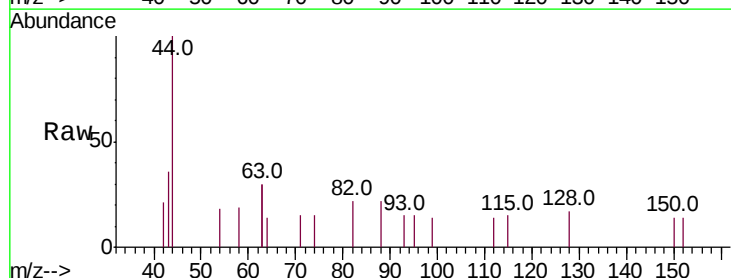
RT: 8.65 min Scan# 502

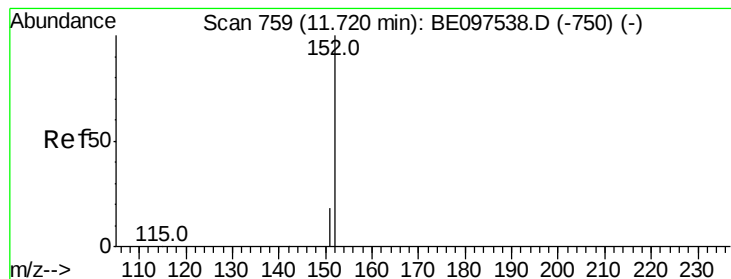
Delta R.T. 0.12 min

Lab File: BE097639.D

Acq: 22 Sep 2018 8:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 77.3  | 24.0  | 36.0# |
| 54      | 82.7  | 40.0  | 60.0# |





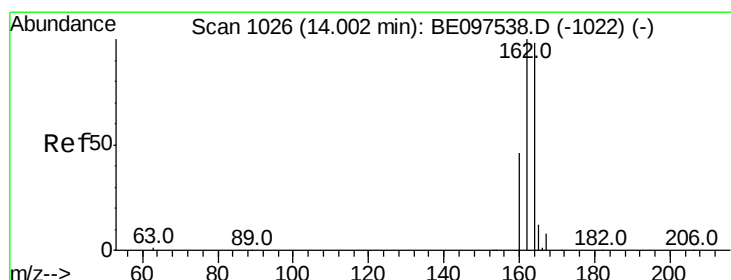
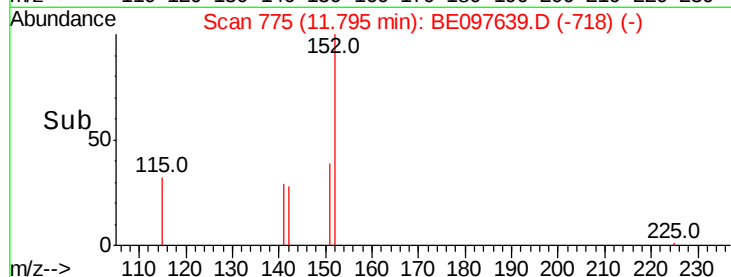
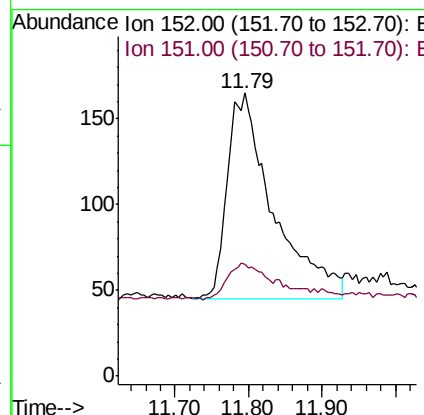
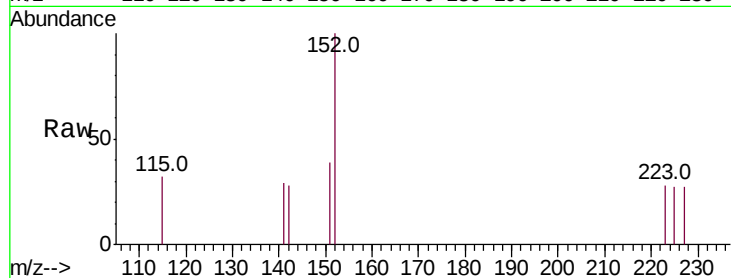
#11  
2-Methylnaphthalene-d10  
Concen: 0.120 ng  
RT: 11.79 min Scan# 775  
Delta R.T. 0.08 min  
Lab File: BE097639.D  
Acq: 22 Sep 2018 8:42

Instrument :  
BNA\_E  
ClientSampleId :  
FT-PZ460I-20180912DL

Tot Ion:152 Resp: 523  
Ion Ratio Lower Upper  
152 100  
151 14.3 15.4 23.0#

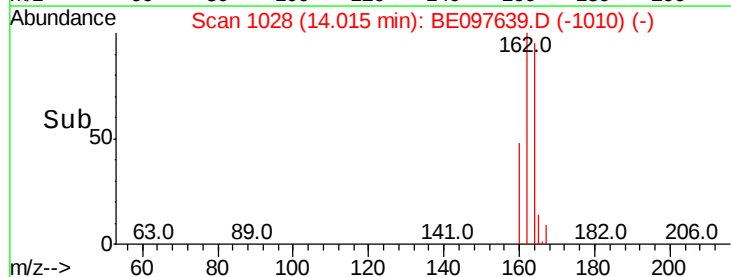
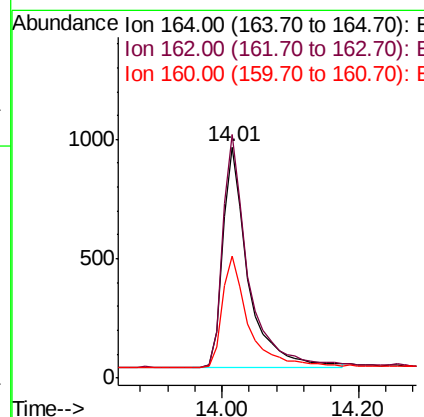
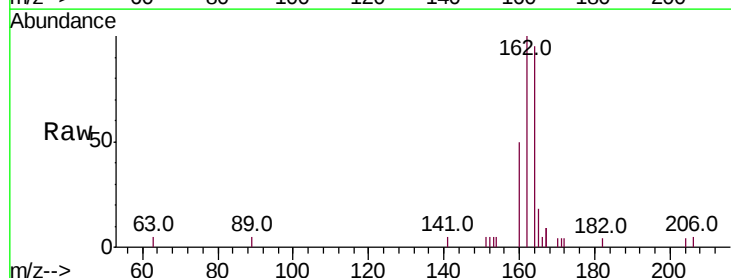
Manual Integrations  
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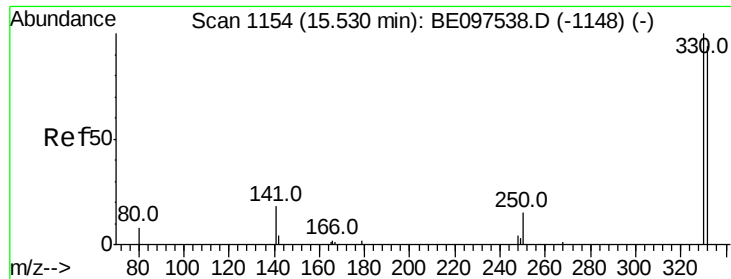
Sohil  
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#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.01 min Scan# 1028  
Delta R.T. 0.01 min  
Lab File: BE097639.D  
Acq: 22 Sep 2018 8:42

Tgt Ion:164 Resp: 2415  
Ion Ratio Lower Upper  
164 100  
162 105.3 83.1 124.7  
160 52.5 37.1 55.7





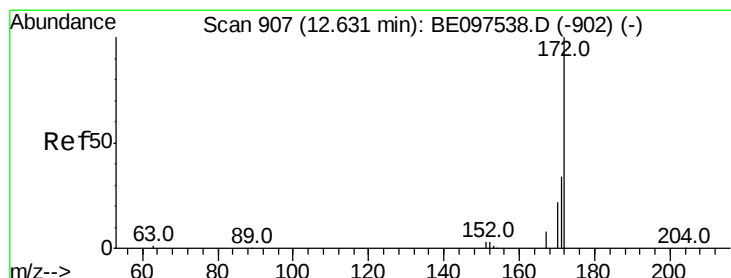
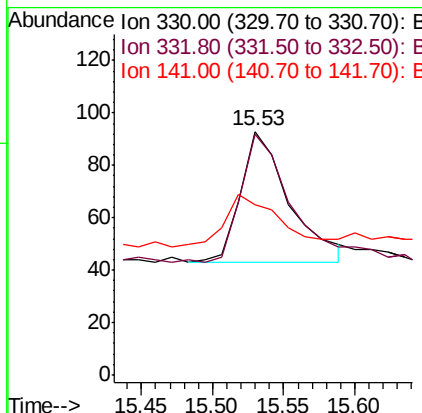
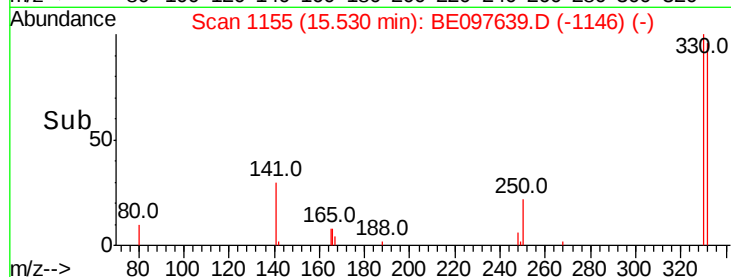
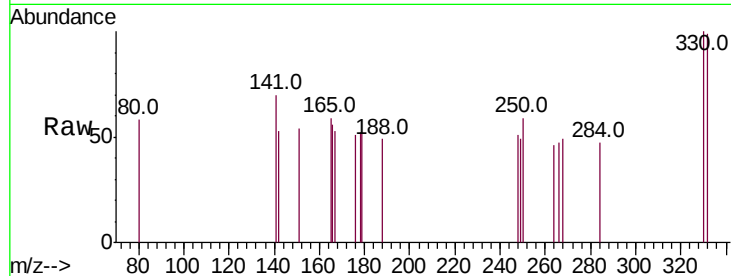
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 2,4,6-Tribromophenol  
 Concen: 0.201 ng  
 RT: 15.53 min Scan# 1155  
 Delta R.T. 0.01 min  
 Lab File: BE097639.D  
 Acq: 22 Sep 2018 8:42

Instrument :  
 BNA\_E  
 ClientSampleId :  
 FT-PZ460I-20180912DL

Tot Ion: 330 Resp: 119  
 Ion Ratio Lower Upper  
 330 100  
 332 98.3 152.7 229.1#  
 141 43.7 33.7 50.5

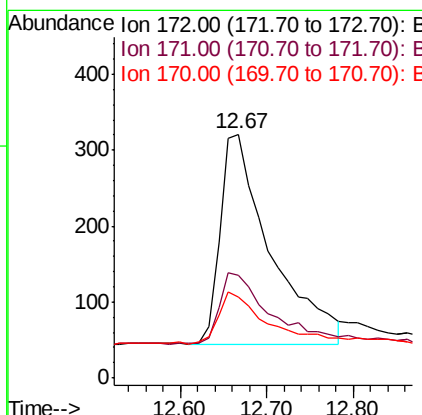
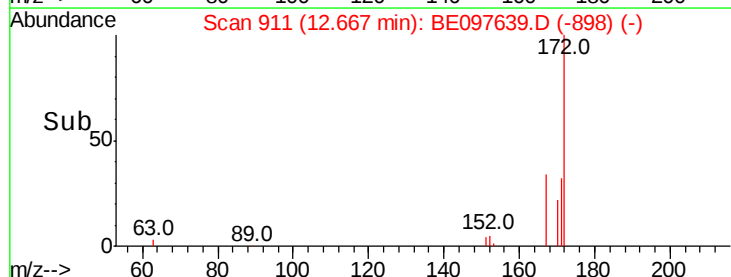
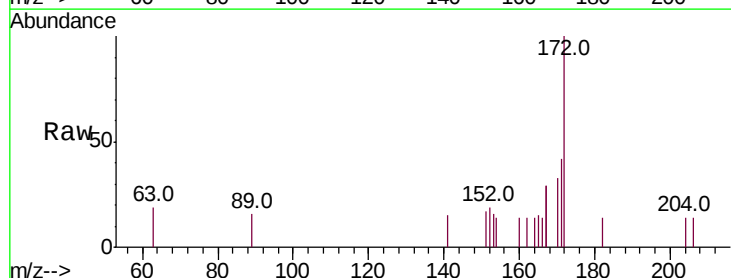
Manual Integrations  
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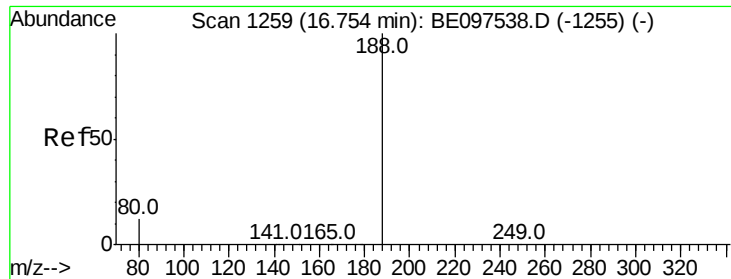
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#15  
 2-Fluorobiphenyl  
 Concen: 0.132 ng  
 RT: 12.67 min Scan# 911  
 Delta R.T. 0.05 min  
 Lab File: BE097639.D  
 Acq: 22 Sep 2018 8:42

Tgt Ion: 172 Resp: 1129  
 Ion Ratio Lower Upper  
 172 100  
 171 42.4 29.9 44.9  
 170 33.3 21.8 32.8#





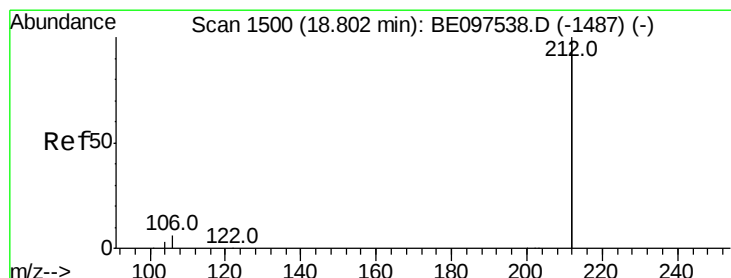
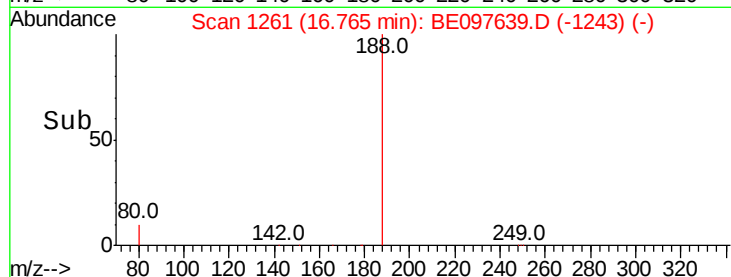
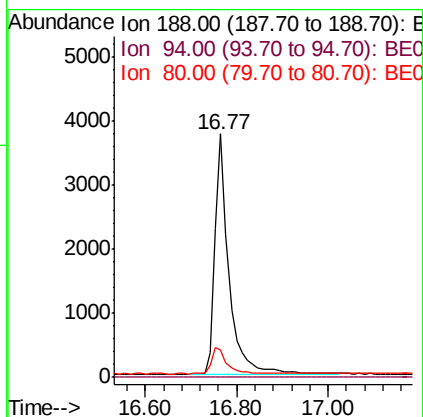
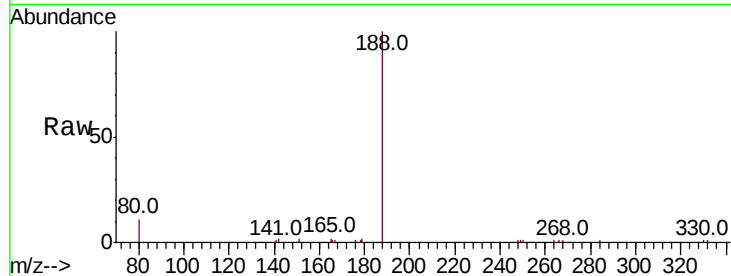
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Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.77 min Scan# 1261  
Delta R.T. 0.01 min  
Lab File: BE097639.D  
Acq: 22 Sep 2018 8:42

Instrument :  
BNA\_E  
ClientSampleId :  
FT-PZ460I-20180912DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 0.0   | 3.9   | 5.9#  |
| 80      | 11.2  | 3.6   | 5.4#  |

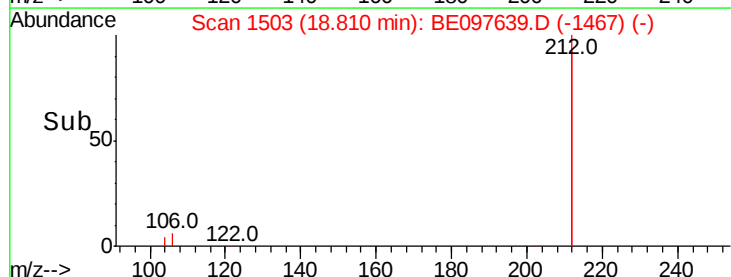
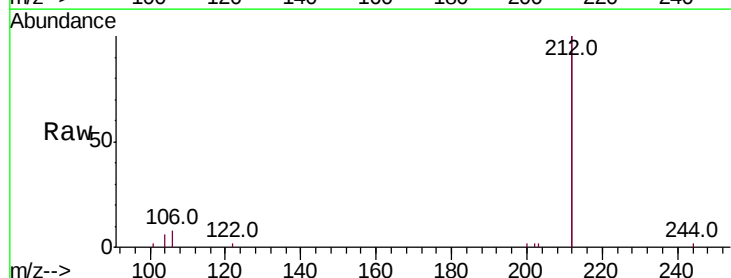
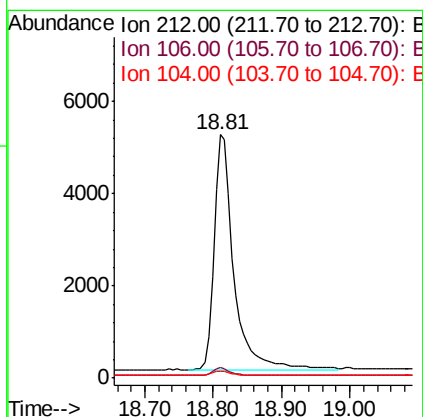
Manual Integrations  
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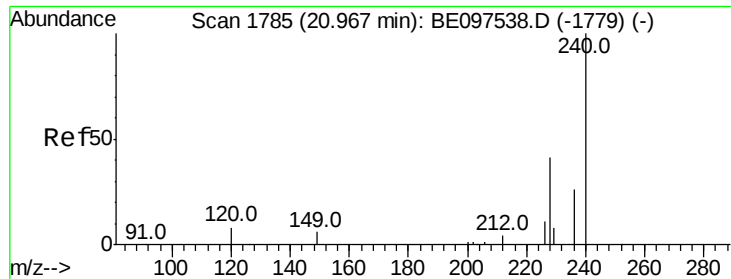
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9/24/2018 8:30:59 AM



#25  
Fluoranthene-d10  
Concen: 0.100 ng  
RT: 18.81 min Scan# 1503  
Delta R.T. 0.01 min  
Lab File: BE097639.D  
Acq: 22 Sep 2018 8:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 3.0   | 2.8   | 4.2   |
| 104     | 1.8   | 1.6   | 2.4   |





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BE097639.D

Acq: 22 Sep 2018 8:42

Instrument :

BNA\_E

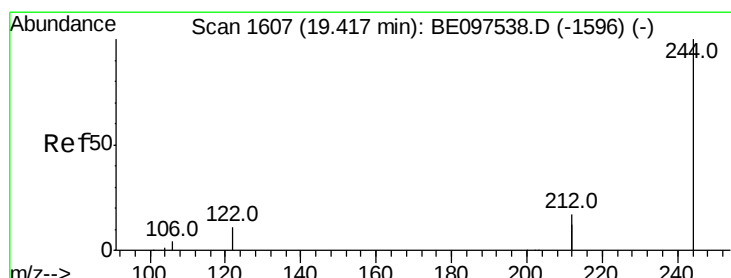
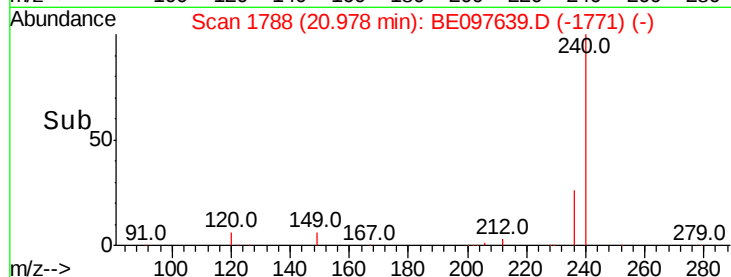
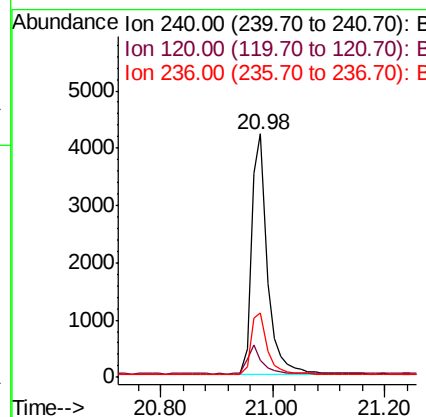
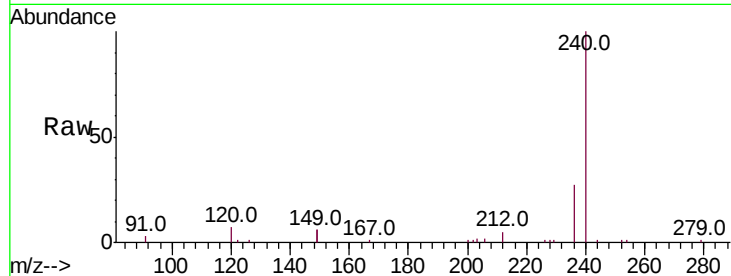
ClientSampleId :

FT-PZ460I-20180912DL

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 240   | Resp: | 8219 |
| Ion Ratio | Lower | Upper |      |
| 240       | 100   |       |      |
| 120       | 7.1   | 5.5   | 8.3  |
| 236       | 26.6  | 20.7  | 31.1 |

Manual Integrations  
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#29

Terphenyl-d14

Concen: 0.155 ng

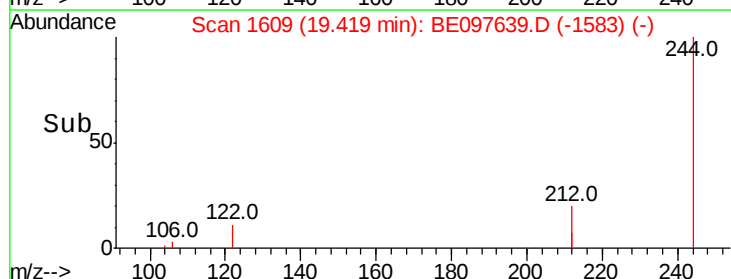
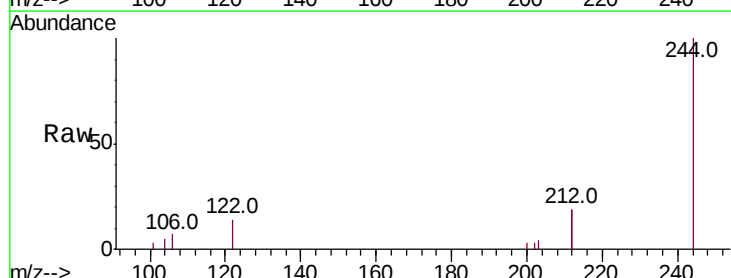
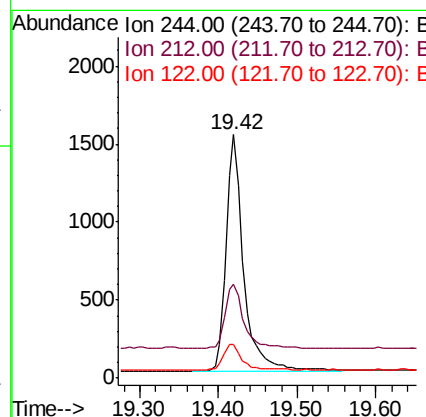
RT: 19.42 min Scan# 1609

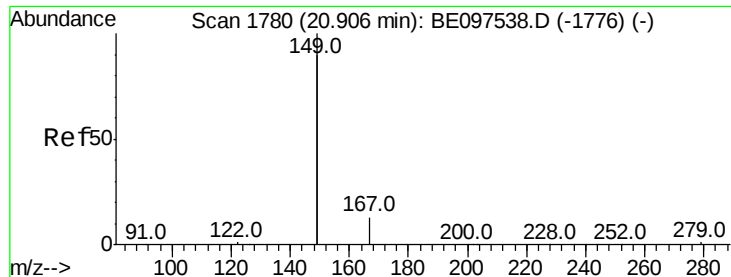
Delta R.T. 0.00 min

Lab File: BE097639.D

Acq: 22 Sep 2018 8:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 244   | Resp: | 2329  |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 38.6  | 25.4  | 38.0# |
| 122       | 13.6  | 8.1   | 12.1# |





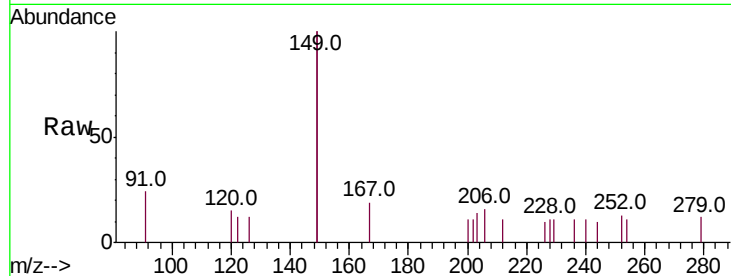
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.031 ng  
 RT: 20.91 min Scan# 1782  
 Delta R.T. -0.00 min  
 Lab File: BE097639.D  
 Acq: 22 Sep 2018 8:42

Instrument :  
 BNA\_E  
 ClientSampleId :  
 FT-PZ460I-20180912DL

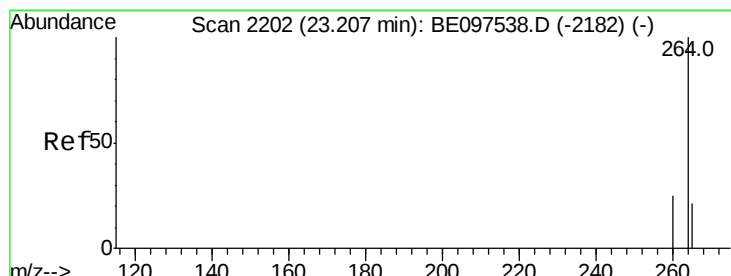
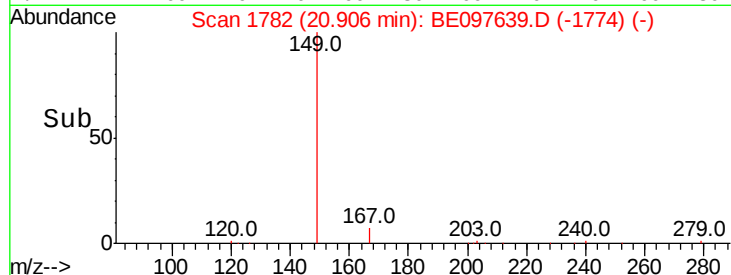
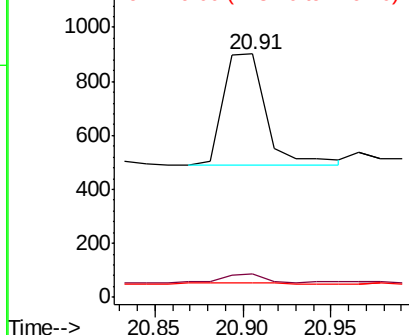
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 7.3   | 5.4   | 8.0   |
| 279     | 1.7   | 0.7   | 1.1   |

Manual Integrations  
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Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.21 min Scan# 2205  
 Delta R.T. 0.01 min  
 Lab File: BE097639.D  
 Acq: 22 Sep 2018 8:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 20.5  | 30.7  |
| 265     | 28.0  | 22.8  | 34.2  |

Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E

