

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120519\  
 Data File : BE100796.D  
 Acq On : 5 Dec 2019 19:29  
 Operator : JU  
 Sample : K6129-02  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 OUTFALL001-191203

Manual Integrations  
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 12/6/2019 3:02:52 PM

Quant Time: Dec 06 02:19:57 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 04 17:18:11 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.76  | 152  | 6190     | 0.40  | ng    | 0.00        |
| 7) Naphthalene-d8              | 10.54 | 136  | 28751    | 0.40  | ng    | 0.00        |
| 13) Acenaphthene-d10           | 14.40 | 164  | 17041    | 0.40  | ng    | 0.00        |
| 19) Phenanthrene-d10           | 17.12 | 188  | 39228    | 0.40  | ng    | -0.01       |
| 27) Chrysene-d12               | 21.31 | 240  | 39515    | 0.40  | ng    | 0.00        |
| 34) Perylene-d12               | 23.76 | 264  | 48343    | 0.40  | ng    | 0.00        |
| System Monitoring Compounds    |       |      |          |       |       |             |
| 4) 2-Fluorophenol              | 5.38  | 112  | 4196     | 0.29  | ng    | 0.00        |
| 5) Phenol-d6                   | 6.93  | 99   | 4326     | 0.20  | ng    | 0.00        |
| 8) Nitrobenzene-d5             | 8.90  | 82   | 7499     | 0.55  | ng    | 0.00        |
| 11) 2-Methylnaphthalene-d10    | 12.14 | 152  | 14095    | 0.34  | ng    | 0.00        |
| 14) 2,4,6-Tribromophenol       | 15.88 | 330  | 1265     | 0.67  | ng    | 0.00        |
| 15) 2-Fluorobiphenyl           | 13.03 | 172  | 21109    | 0.31  | ng    | 0.00        |
| 25) Fluoranthene-d10           | 19.16 | 212  | 168553   | 0.36  | ng    | 0.00        |
| 29) Terphenyl-d14              | 19.76 | 244  | 36759    | 0.39  | ng    | 0.00        |
| Target Compounds               |       |      |          |       |       |             |
| 2) 1,4-Dioxane                 | 3.34  | 88   | 841      | 0.075 | ng    | Qvalue # 49 |
| 32) Bis(2-ethylhexyl)phthalate | 21.24 | 149  | 29118    | 0.352 | ng    | 100         |

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

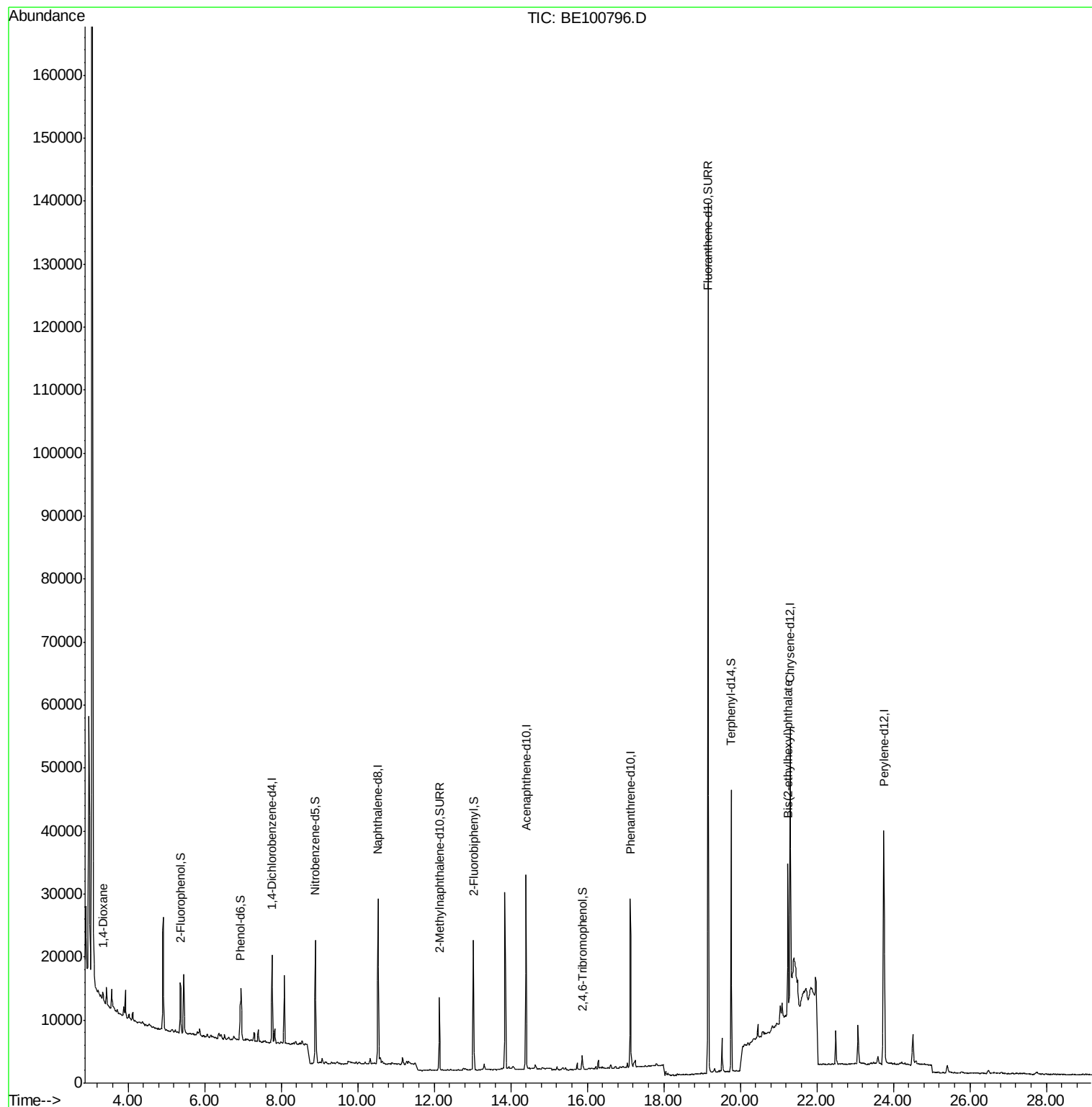
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120519\  
Data File : BE100796.D  
Acq On : 5 Dec 2019 19:29  
Operator : JU  
Sample : K6129-02  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

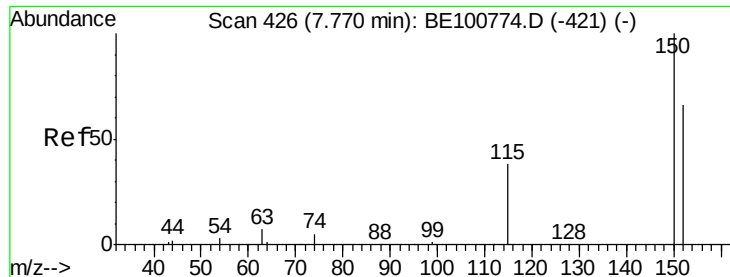
Instrument :  
BNA\_E  
ClientSampleId :  
OUTFALL001-191203

Manual Integrations  
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12/6/2019 3:02:52 PM

Quant Time: Dec 06 02:19:57 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 04 17:18:11 2019  
Response via : Initial Calibration





#1

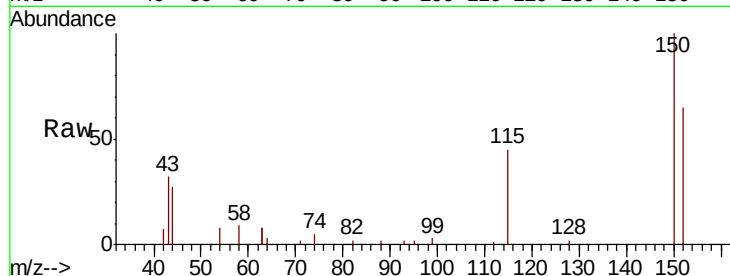
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.76 min Scan# 425  
Delta R.T. -0.01 min  
Lab File: BE100796.D  
Acq: 5 Dec 2019 19:29

Instrument :  
BNA\_E  
ClientSampleId :  
OUTFALL001-191203

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.8 | 120.6 | 181.0 |
| 115     | 69.3  | 47.4  | 71.2  |

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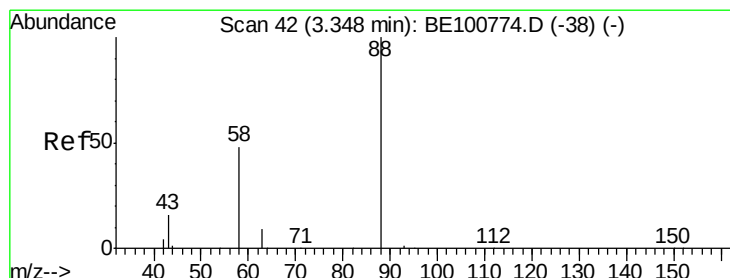
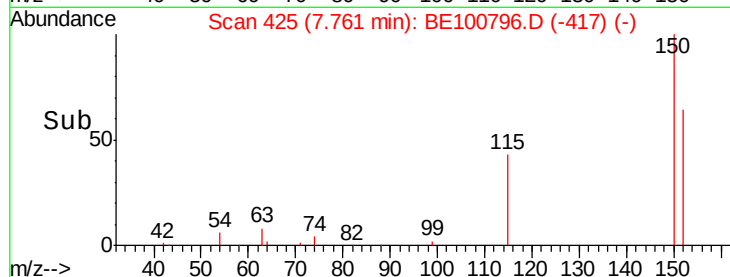
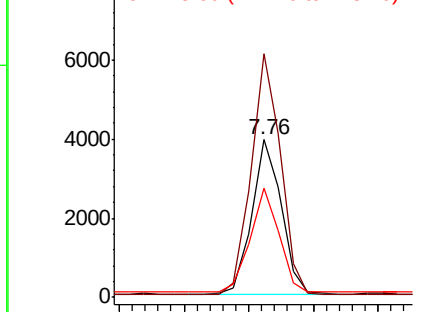


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

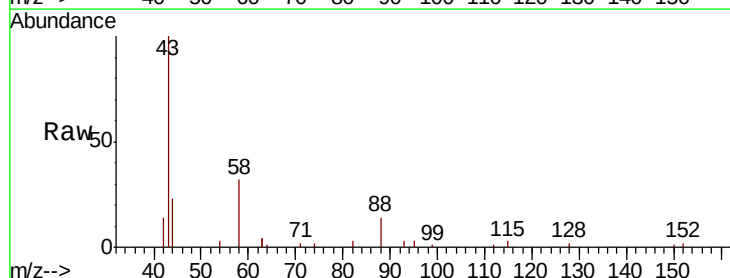
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 0.075 ng  
RT: 3.34 min Scan# 41  
Delta R.T. -0.01 min  
Lab File: BE100796.D  
Acq: 5 Dec 2019 19:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 104.6 | 52.5  | 78.7# |
| 43      | 0.0   | 23.0  | 34.6# |

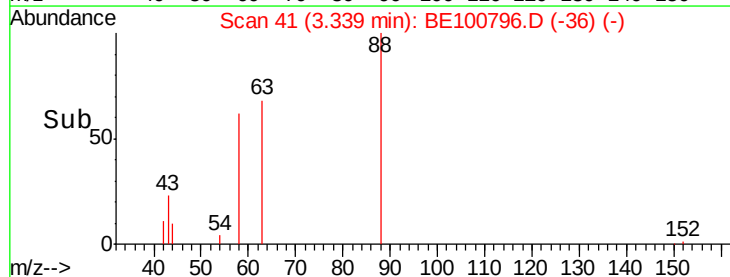
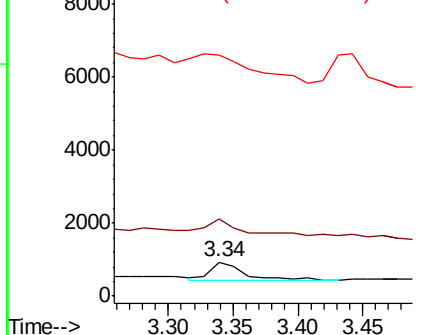


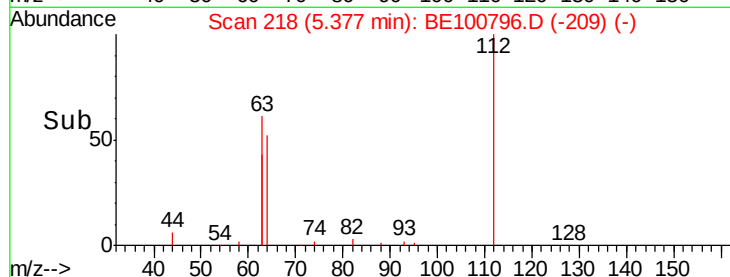
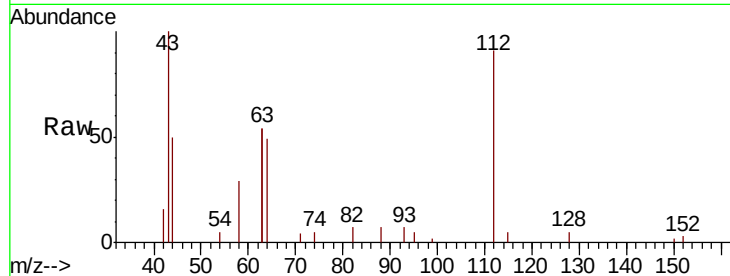
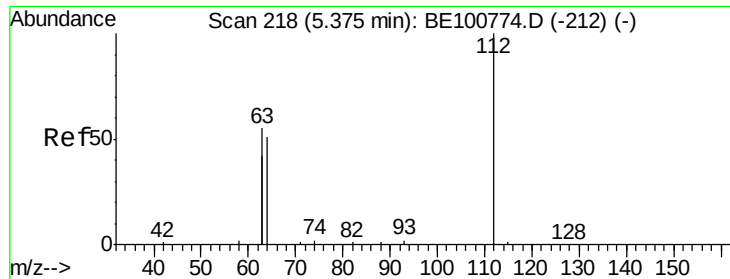
Abundance

Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





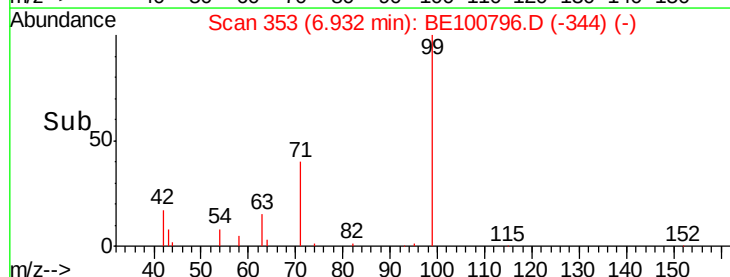
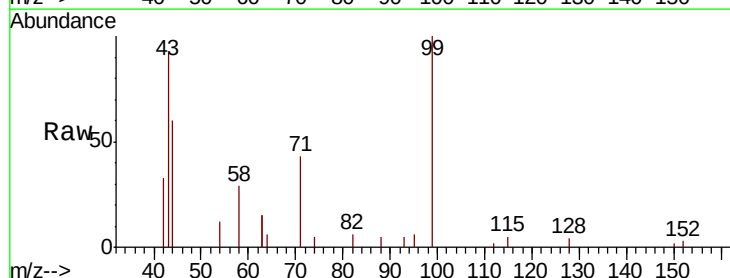
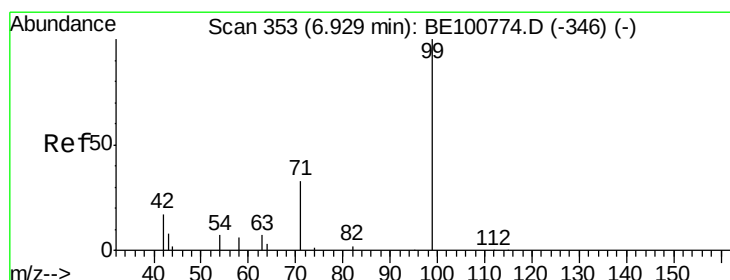
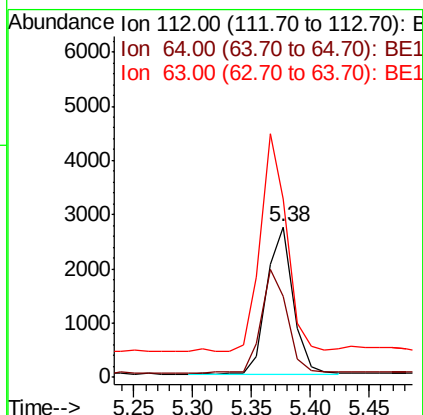
#4  
2-Fluorophenol  
Concen: 0.286 ng  
RT: 5.38 min Scan# 218  
Delta R.T. 0.00 min  
Lab File: BE100796.D  
Acq: 5 Dec 2019 19:29

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 69.3  | 54.1  | 81.1  |
| 63      | 148.9 | 113.2 | 169.8 |

Instrument :  
BNA\_E  
ClientSampleId :  
OUTFALL001-191203

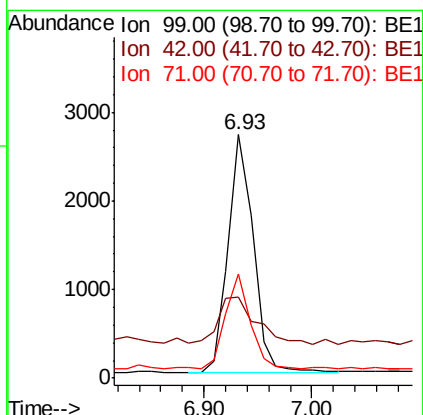
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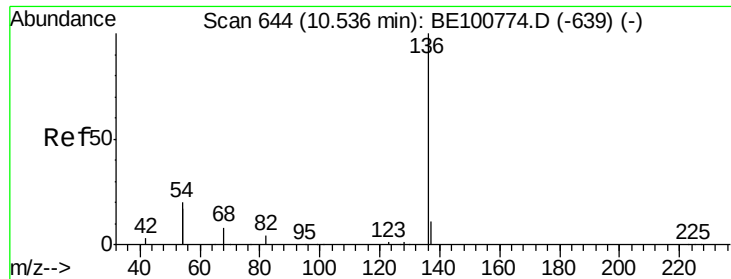
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#5  
Phenol-d6  
Concen: 0.195 ng  
RT: 6.93 min Scan# 353  
Delta R.T. 0.00 min  
Lab File: BE100796.D  
Acq: 5 Dec 2019 19:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 32.5  | 19.1  | 28.7# |
| 71      | 39.0  | 27.7  | 41.5  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 644

Delta R.T. 0.00 min

Lab File: BE100796.D

Acq: 5 Dec 2019 19:29

Instrument :

BNA\_E

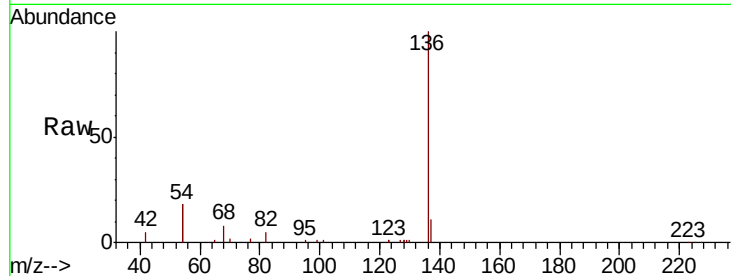
ClientSampleId :

OUTFALL001-191203

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 136     | 100   | 28751 |       |       |
| 137     | 10.9  |       | 9.4   | 14.0  |
| 54      | 35.6  |       | 31.1  | 46.7  |
| 68      | 8.0   |       | 6.6   | 10.0  |

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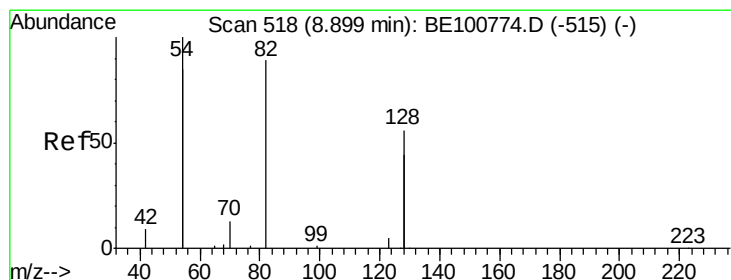
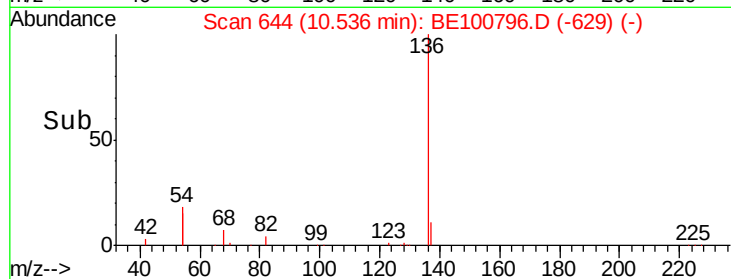
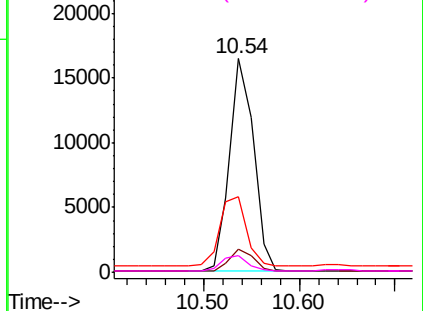
Abundance

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): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.548 ng

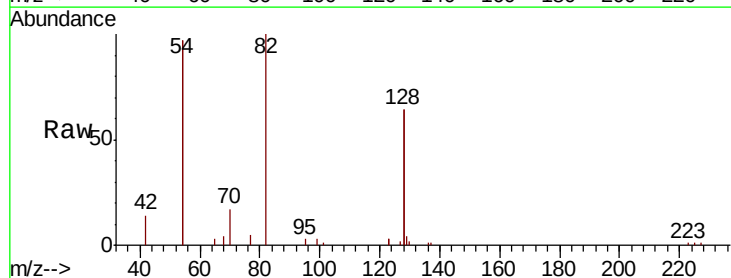
RT: 8.90 min Scan# 518

Delta R.T. 0.00 min

Lab File: BE100796.D

Acq: 5 Dec 2019 19:29

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   | 7499 |       |       |
| 128     | 127.0 |      | 97.0  | 145.4 |
| 54      | 194.8 |      | 171.8 | 257.6 |

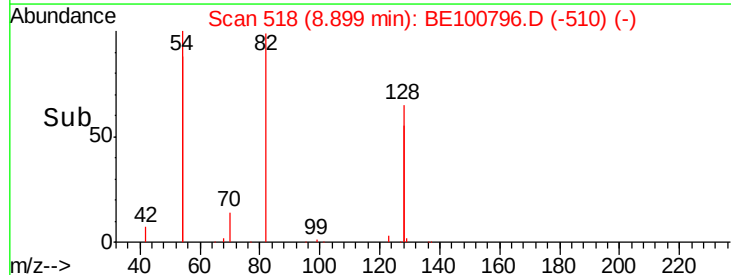
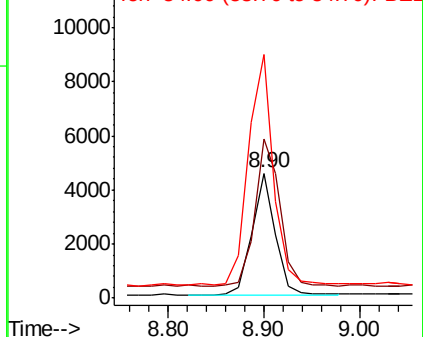


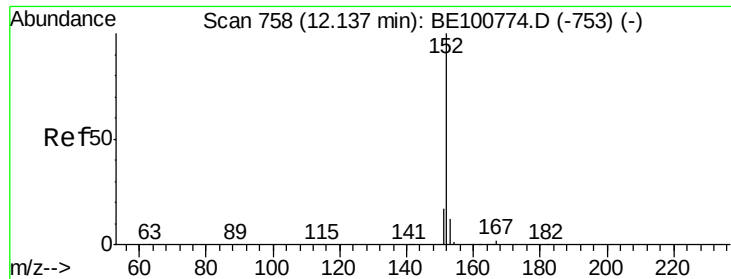
Abundance

Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





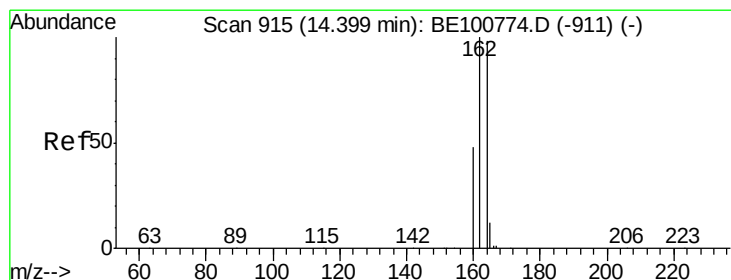
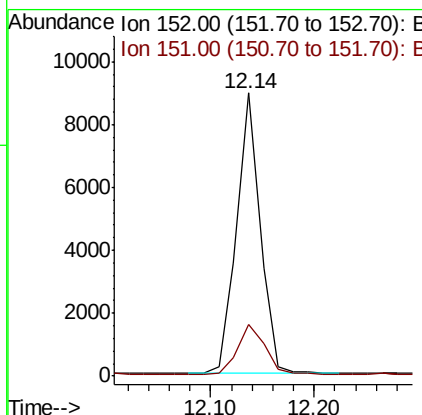
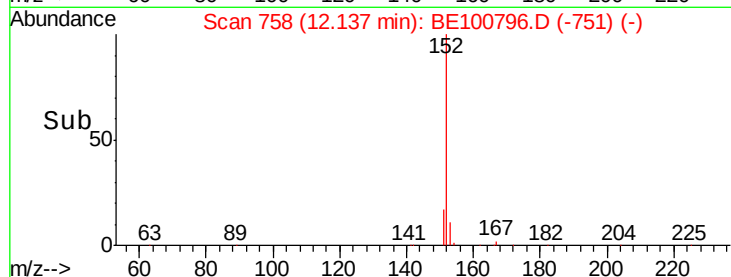
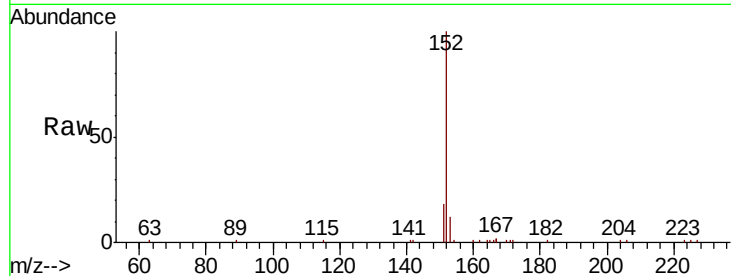
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.338 ng  
 RT: 12.14 min Scan# 758  
 Delta R.T. -0.00 min  
 Lab File: BE100796.D  
 Acq: 5 Dec 2019 19:29

Instrument :  
 BNA\_E  
 ClientSampleId :  
 OUTFALL001-191203

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.0  | 15.8  | 23.8  |

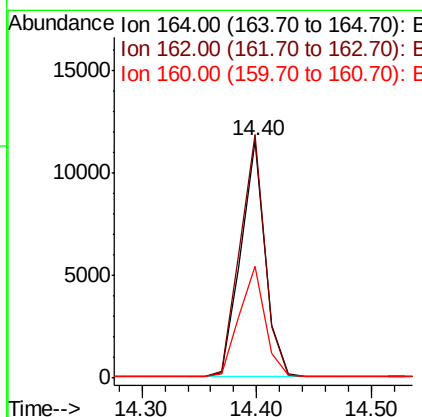
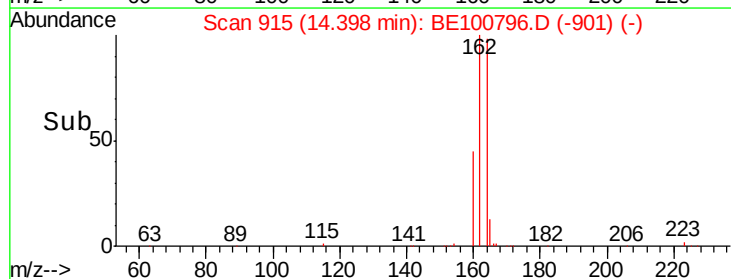
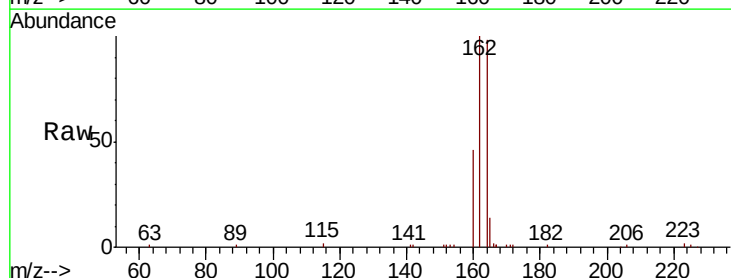
Manual Integrations  
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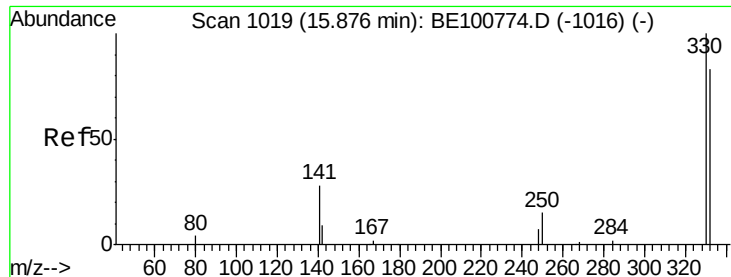
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#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.40 min Scan# 915  
 Delta R.T. -0.00 min  
 Lab File: BE100796.D  
 Acq: 5 Dec 2019 19:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.4 | 81.4  | 122.0 |
| 160     | 46.9  | 39.4  | 59.0  |





#14

2,4,6-Tribromophenol

Concen: 0.667 ng

RT: 15.88 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BE100796.D

Acq: 5 Dec 2019 19:29

Instrument :

BNA\_E

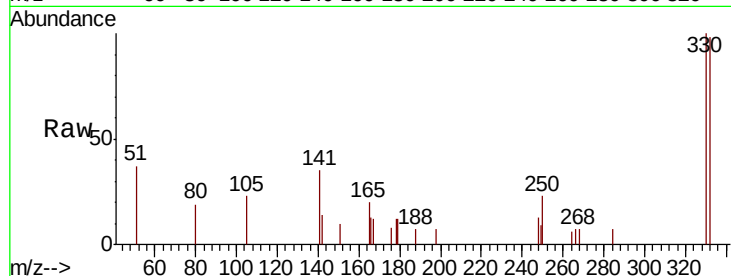
ClientSampleId :

OUTFALL001-191203

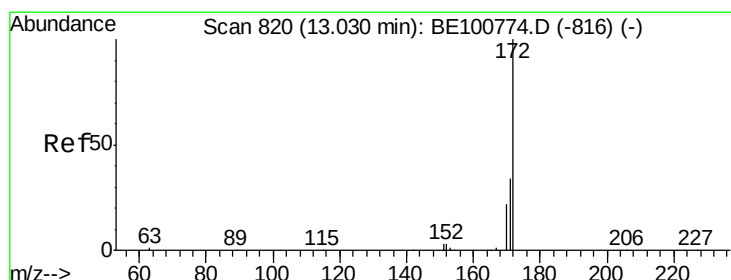
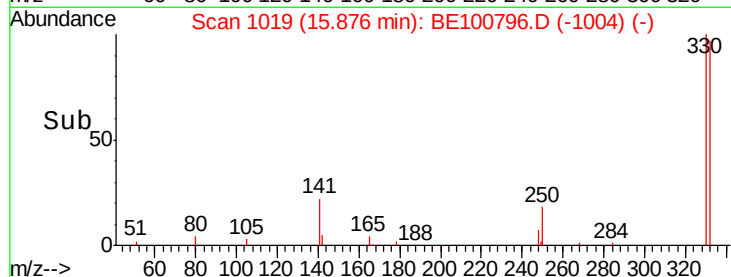
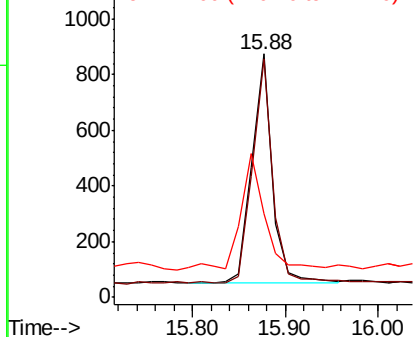
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 330   | Resp: | 1265  |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 98.1  | 69.4  | 104.2 |
| 141      | 61.7  | 51.1  | 76.7  |

Manual Integrations  
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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: 0.312 ng

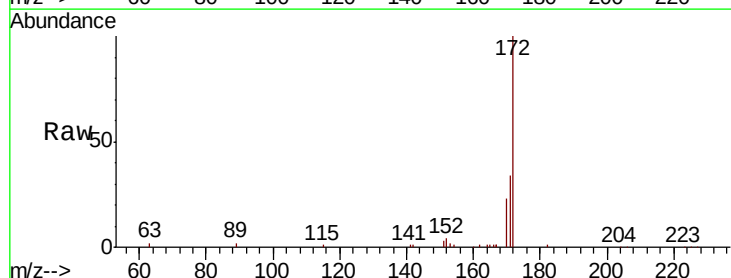
RT: 13.03 min Scan# 820

Delta R.T. -0.00 min

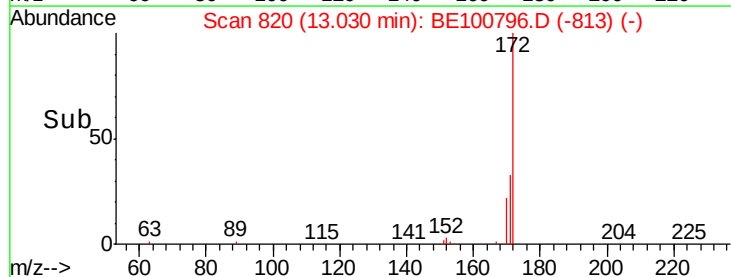
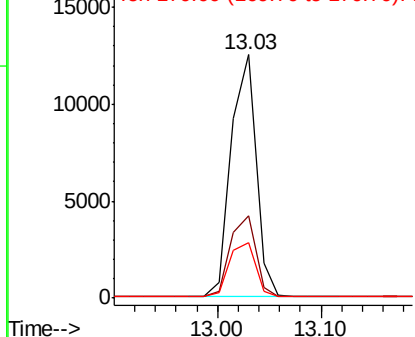
Lab File: BE100796.D

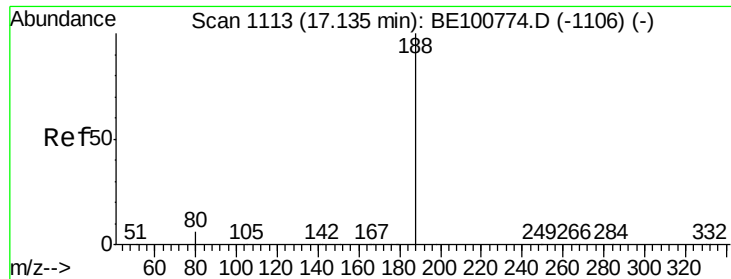
Acq: 5 Dec 2019 19:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 172   | Resp: | 21109 |
| Ion      | Ratio | Lower | Upper |
| 172      | 100   |       |       |
| 171      | 33.7  | 27.2  | 40.8  |
| 170      | 22.6  | 18.0  | 27.0  |



Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E





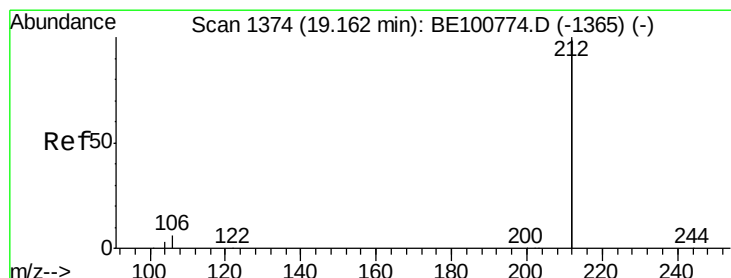
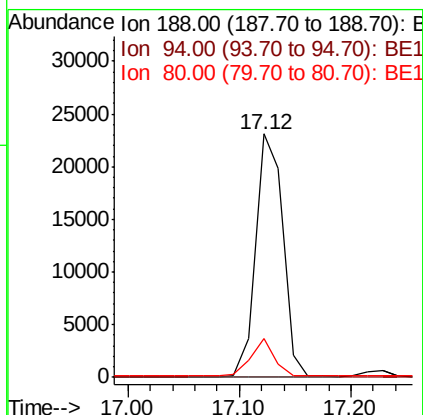
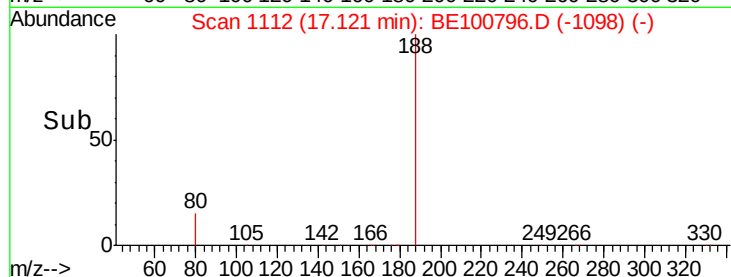
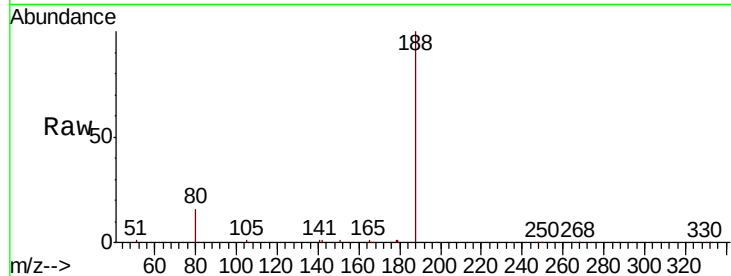
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.12 min Scan# 1112  
Delta R.T. -0.01 min  
Lab File: BE100796.D  
Acq: 5 Dec 2019 19:29

Instrument :  
BNA\_E  
ClientSampleId :  
OUTFALL001-191203

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 0.0   | 0.0        | 0.0   |
| 80      | 15.8  | 5.2        | 7.8   |

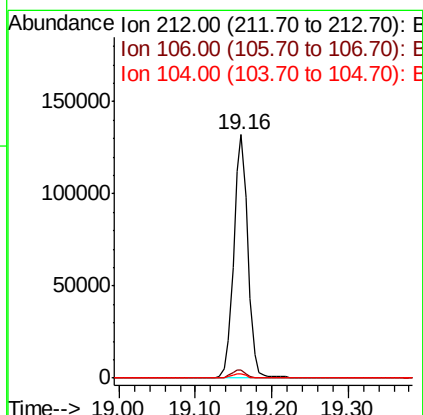
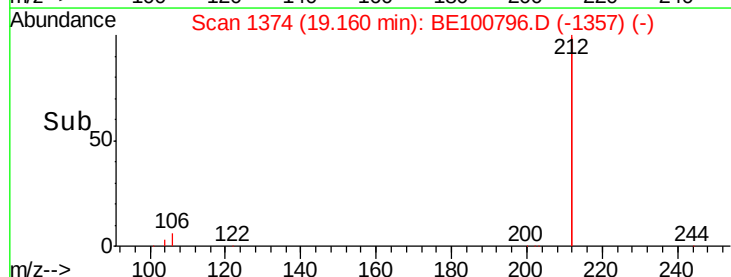
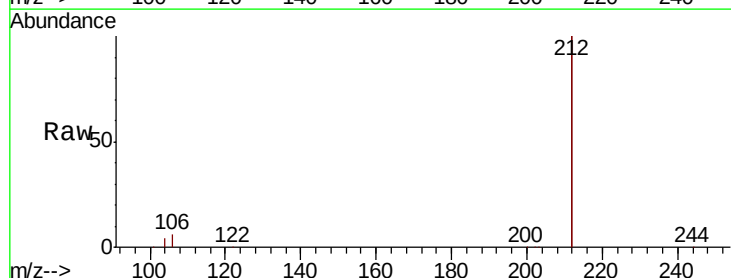
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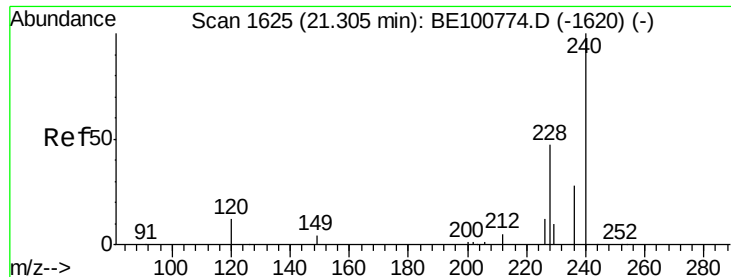


#25  
Fluoranthene-d10  
Concen: 0.364 ng  
RT: 19.16 min Scan# 1374  
Delta R.T. -0.00 min  
Lab File: BE100796.D  
Acq: 5 Dec 2019 19:29

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 212     | 100   |            |       |
| 106     | 3.4   | 2.6        | 3.8   |
| 104     | 1.9   | 1.4        | 2.2   |







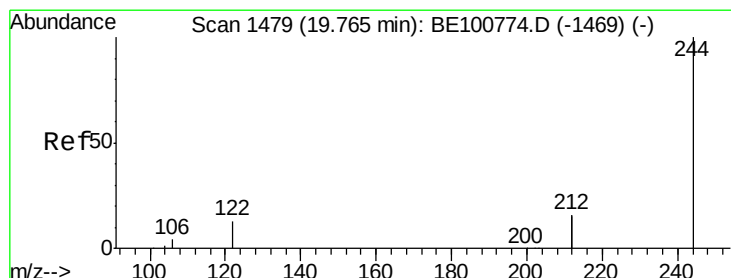
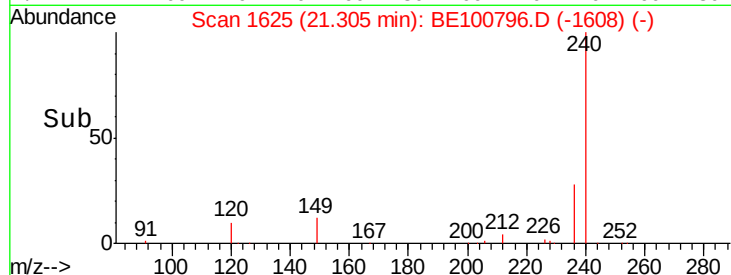
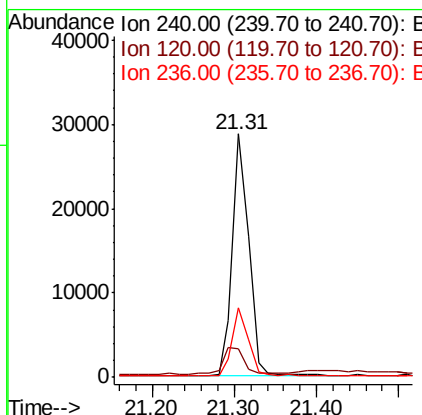
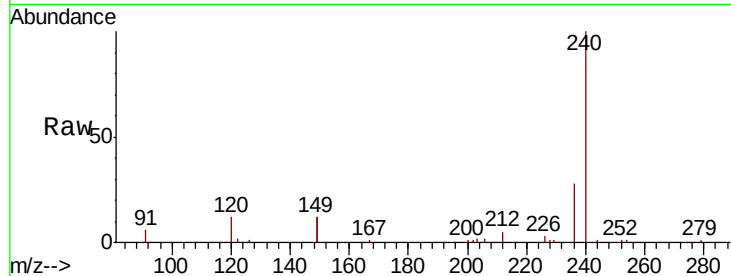
#27  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.31 min Scan# 1625  
Delta R.T. -0.00 min  
Lab File: BE100796.D  
Acq: 5 Dec 2019 19:29

Instrument :  
BNA\_E  
ClientSampleId :  
OUTFALL001-191203

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.8  | 10.2  | 15.2  |
| 236     | 28.4  | 22.3  | 33.5  |

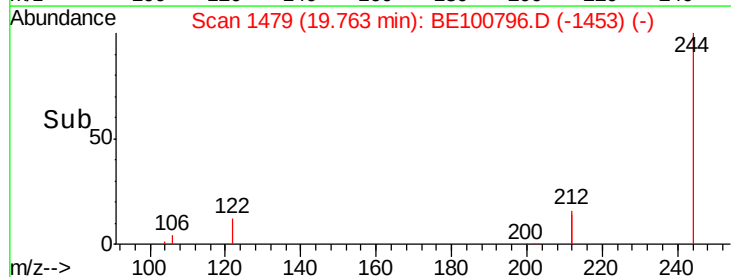
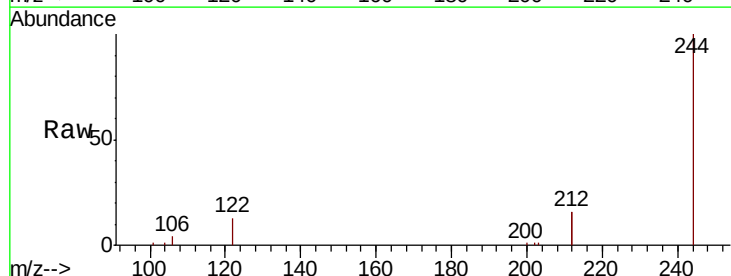
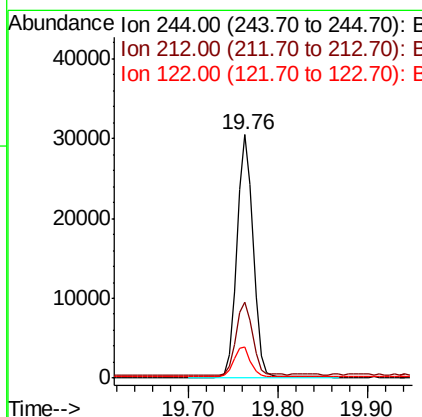
Manual Integrations  
APPROVED

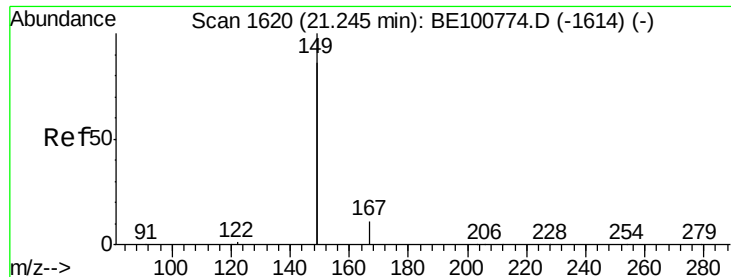
mohammad  
12/6/2019 3:02:52 PM



#29  
Terphenyl-d14  
Concen: 0.388 ng  
RT: 19.76 min Scan# 1479  
Delta R.T. -0.00 min  
Lab File: BE100796.D  
Acq: 5 Dec 2019 19:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 31.2  | 26.2  | 39.4  |
| 122     | 12.6  | 10.2  | 15.4  |





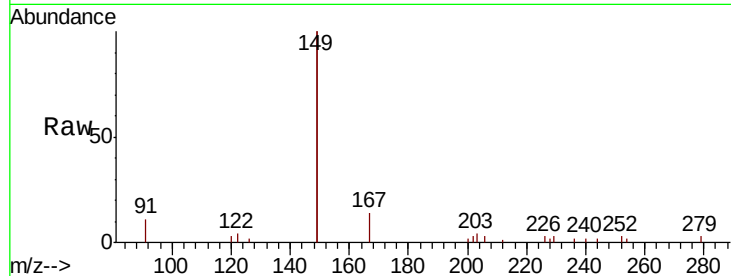
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.352 ng  
 RT: 21.24 min Scan# 1620  
 Delta R.T. 0.00 min  
 Lab File: BE100796.D  
 Acq: 5 Dec 2019 19:29

Instrument :  
 BNA\_E  
 ClientSampleId :  
 OUTFALL001-191203

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 6.2   | 5.0   | 7.6   |
| 279     | 0.8   | 0.7   | 1.1   |

Manual Integrations  
 APPROVED

mohammad  
 12/6/2019 3:02:52 PM

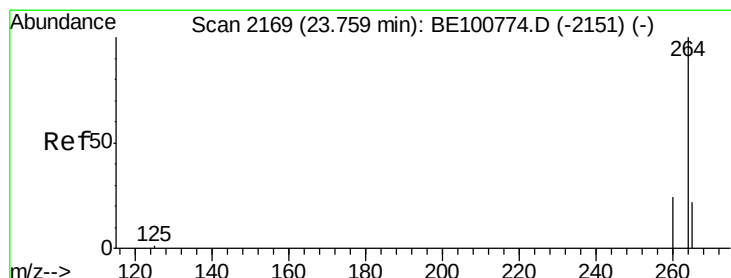
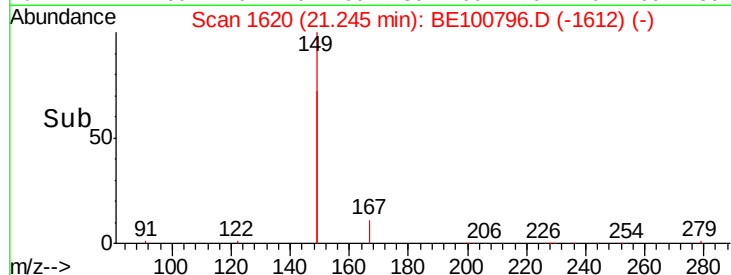
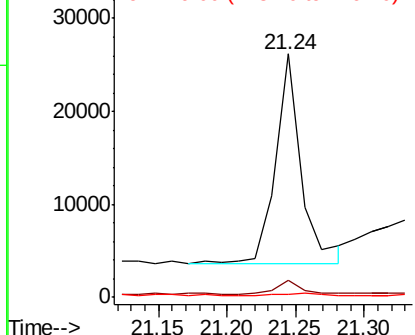


Abundance

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: 23.76 min Scan# 2168  
 Delta R.T. -0.00 min  
 Lab File: BE100796.D  
 Acq: 5 Dec 2019 19:29

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.4  | 29.2  |
| 265     | 26.6  | 21.8  | 32.8  |

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

