

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100518\  
 Data File : BE097749.D  
 Acq On : 5 Oct 2018 11:11  
 Operator : SJ/JU  
 Sample : J5189-11  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Oct 05 14:04:33 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE100318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 03 12:17:19 2018  
 Response via : Initial Calibration

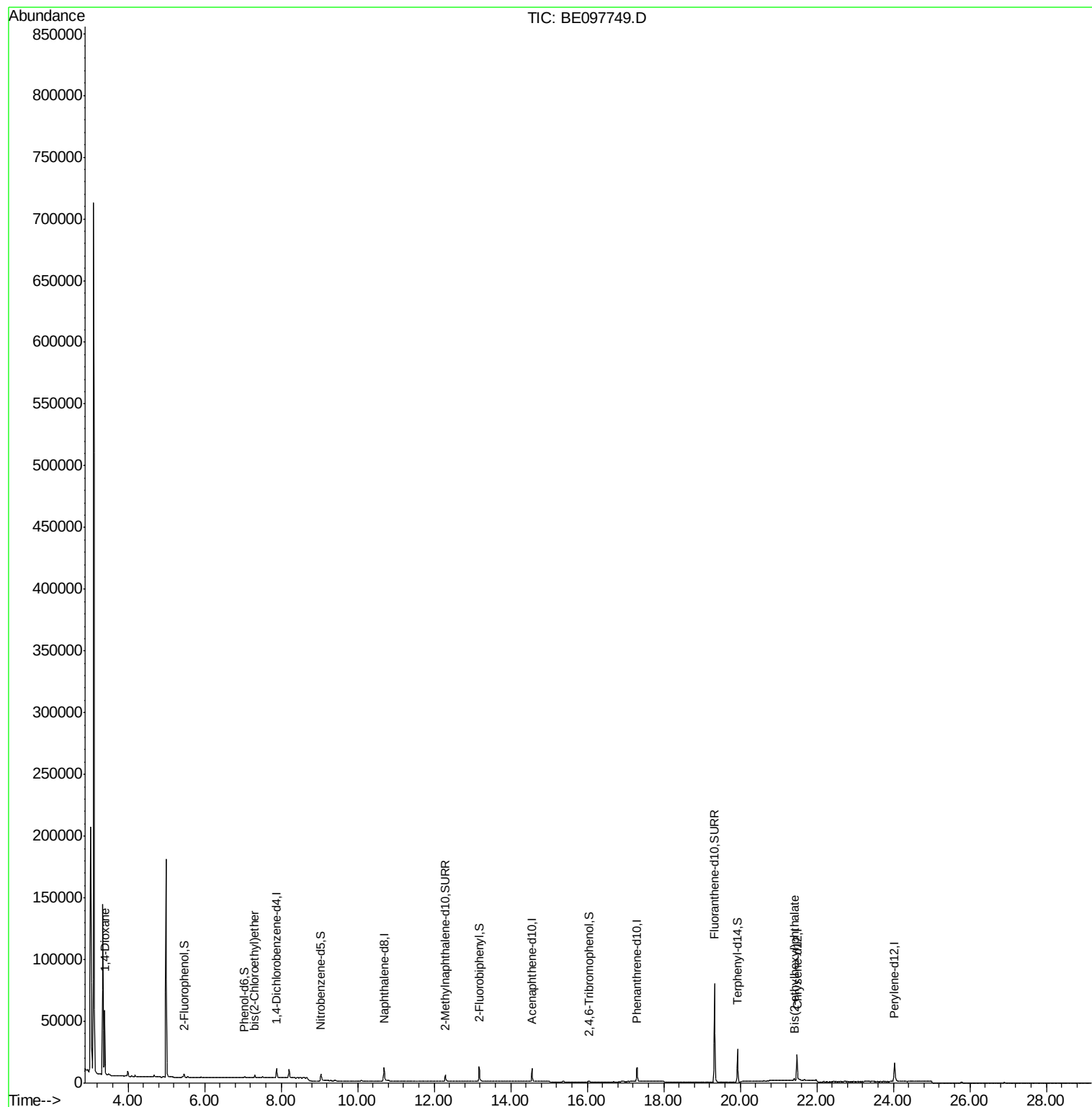
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.89  | 152  | 3387     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.69 | 136  | 13116    | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.56 | 164  | 6938     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 17.30 | 188  | 19995    | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 21.49 | 240  | 25835    | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 24.03 | 264  | 24246    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.47  | 112  | 1434     | 0.18  | ng    | 0.00     |
| 5) Phenol-d6                   | 7.05  | 99   | 1178     | 0.10  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 9.04  | 82   | 2899     | 0.68  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 12.30 | 152  | 7866     | 0.38  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 16.04 | 330  | 556      | 0.44  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 13.17 | 172  | 14517    | 0.48  | ng    | -0.02    |
| 25) Fluoranthene-d10           | 19.33 | 212  | 110164   | 0.44  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.93 | 244  | 23517    | 0.45  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 2) 1,4-Dioxane                 | 3.40  | 88   | 32912    | 4.877 | ng    | 97       |
| 6) bis(2-Chloroethyl)ether     | 7.31  | 93   | 842      | 0.066 | ng    | 98       |
| 32) Bis(2-ethylhexyl)phthalate | 21.41 | 149  | 2575     | 0.051 | ng    | # 93     |

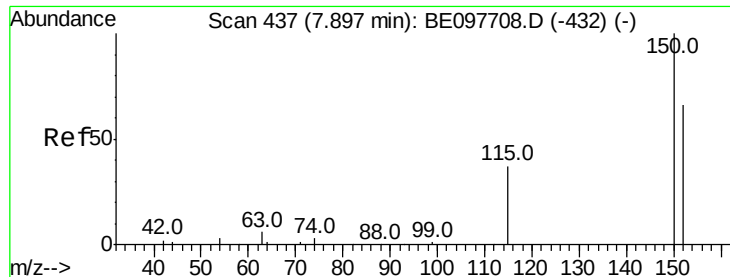
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100518\  
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Sample : J5189-11  
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Instrument :  
BNA\_E  
ClientSampleId :

Quant Time: Oct 05 14:04:33 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE100318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 03 12:17:19 2018  
Response via : Initial Calibration



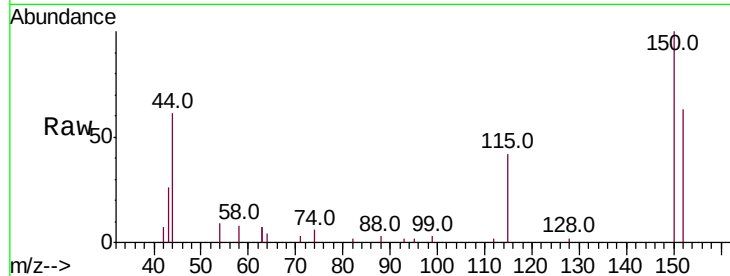


#1

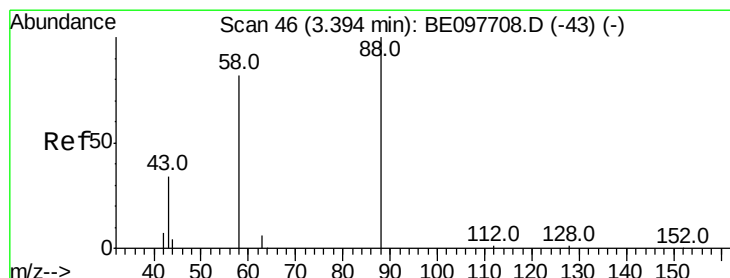
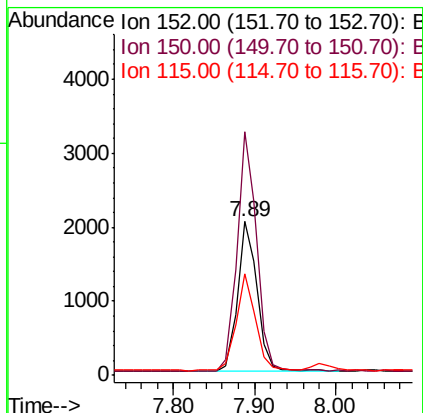
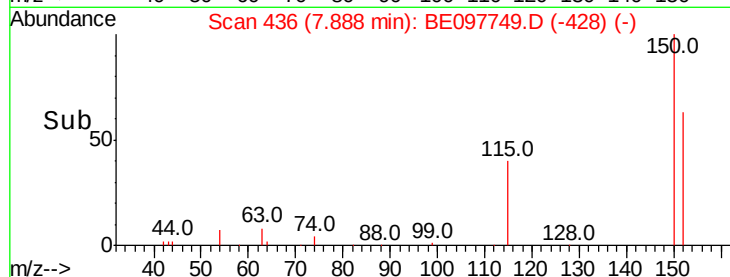
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.89 min Scan# 436  
Delta R.T. -0.01 min  
Lab File: BE097749.D  
Acq: 5 Oct 2018 11:11

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 3387  
Ion Ratio Lower Upper  
152 100  
150 158.3 120.9 181.3  
115 66.0 46.6 69.8



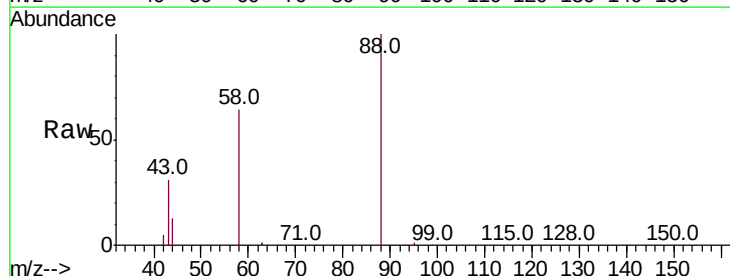
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



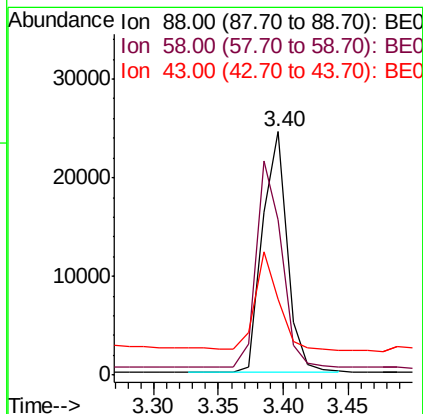
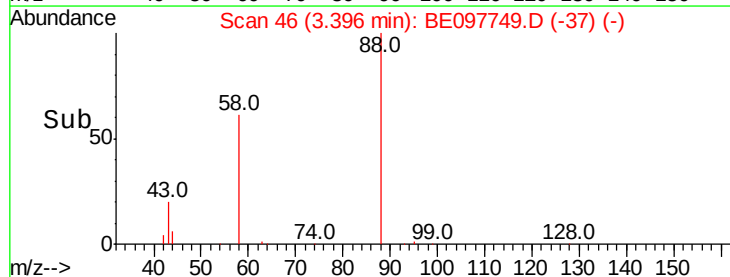
#2

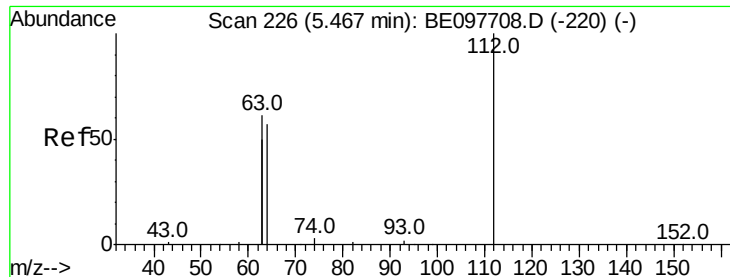
1,4-Dioxane  
Concen: 4.877 ng  
RT: 3.40 min Scan# 46  
Delta R.T. 0.00 min  
Lab File: BE097749.D  
Acq: 5 Oct 2018 11:11

Tgt Ion: 88 Resp: 32912  
Ion Ratio Lower Upper  
88 100  
58 86.1 70.8 106.2  
43 39.4 33.3 49.9



Abundance Ion 88.00 (87.70 to 88.70): BE0  
Ion 58.00 (57.70 to 58.70): BE0  
Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.179 ng

RT: 5.47 min Scan# 226

Delta R.T. 0.00 min

Lab File: BE097749.D

Acq: 5 Oct 2018 11:11

Instrument :

BNA\_E

ClientSampleId :

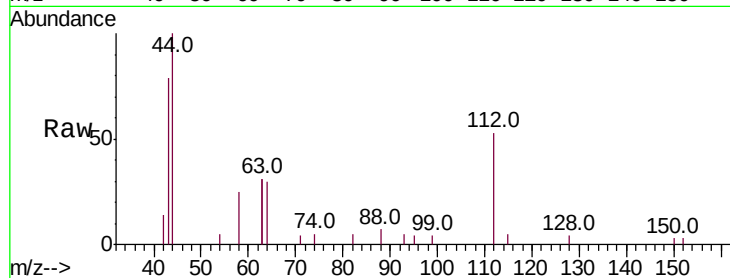
Tot Ion:112 Resp: 1434

Ion Ratio Lower Upper

112 100

64 75.7 56.6 84.8

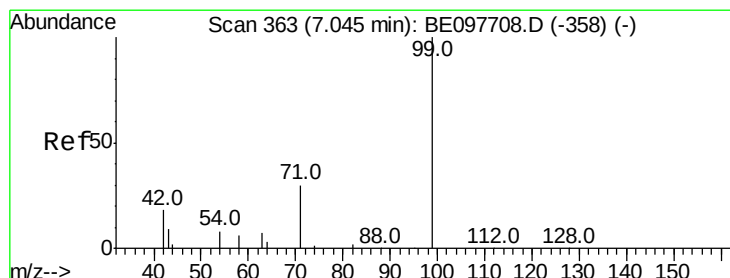
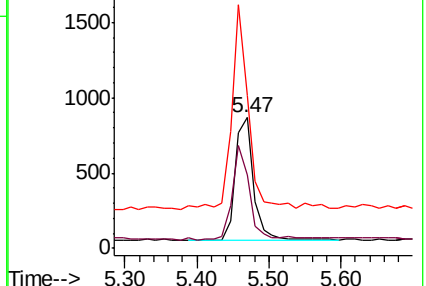
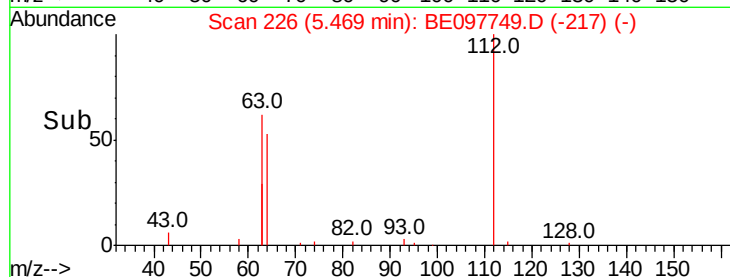
63 144.6 119.4 179.0



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.096 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE097749.D

Acq: 5 Oct 2018 11:11

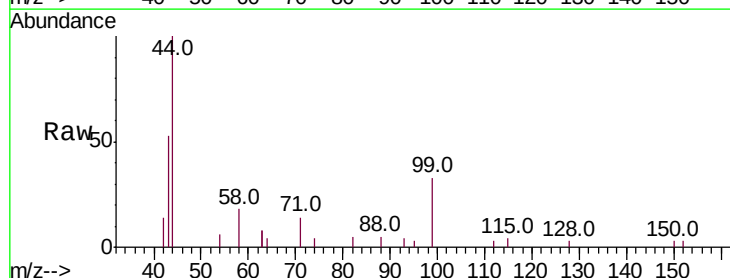
Tgt Ion: 99 Resp: 1178

Ion Ratio Lower Upper

99 100

42 28.9 19.9 29.9

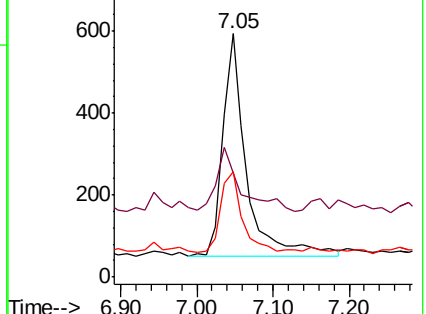
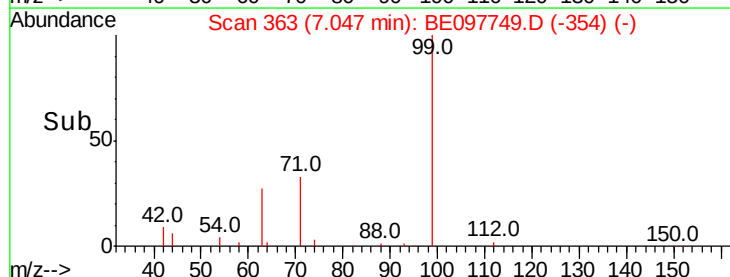
71 34.9 25.4 38.2

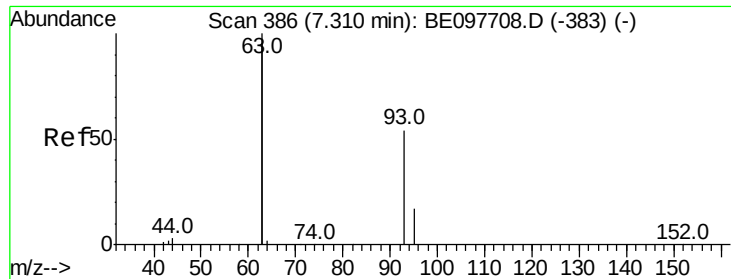


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.066 ng

RT: 7.31 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE097749.D

Acq: 5 Oct 2018 11:11

Instrument :

BNA\_E

ClientSampleId :

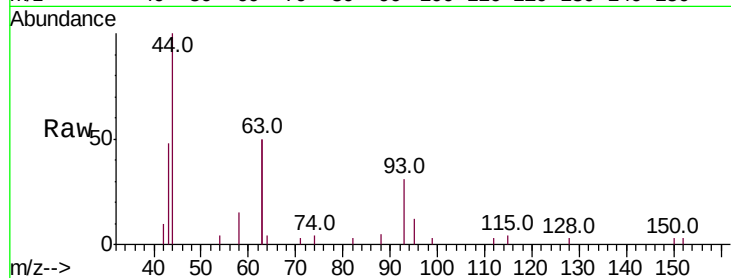
Tot Ion: 93 Resp: 842

Ion Ratio Lower Upper

93 100

63 337.3 266.9 400.3

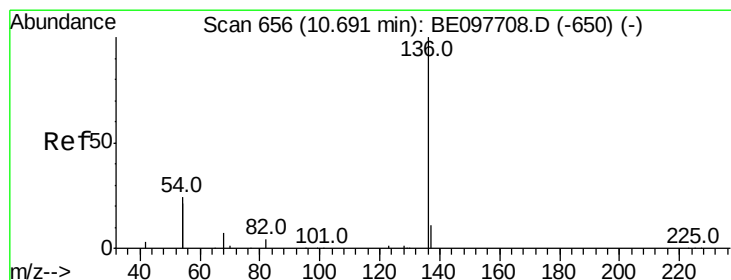
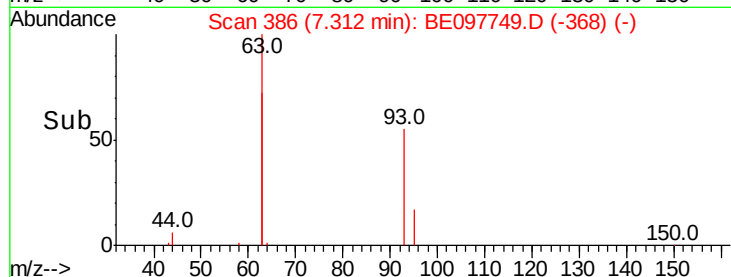
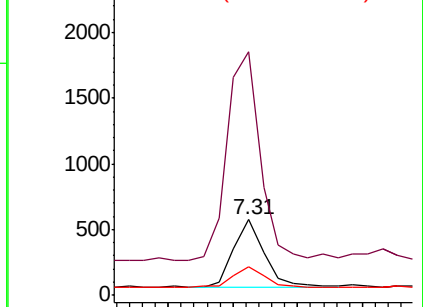
95 35.4 26.2 39.2



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: 0.400 ng

RT: 10.69 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE097749.D

Acq: 5 Oct 2018 11:11

Tgt Ion:136 Resp: 13116

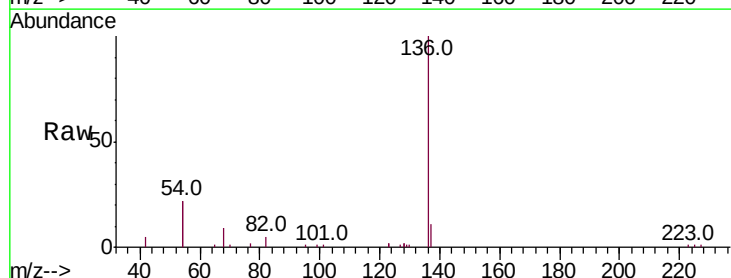
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 43.1 37.8 56.6

68 8.6 6.4 9.6

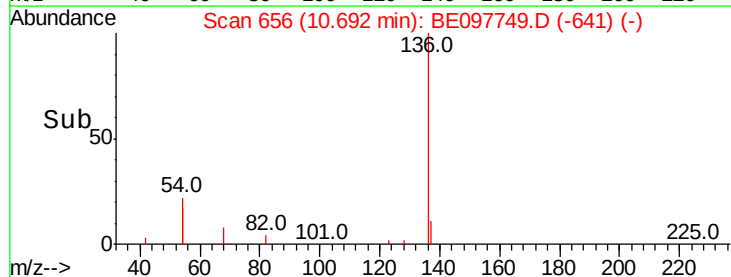
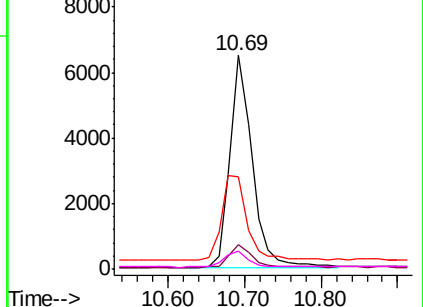


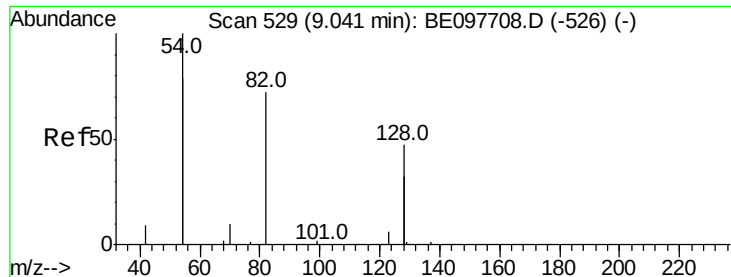
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

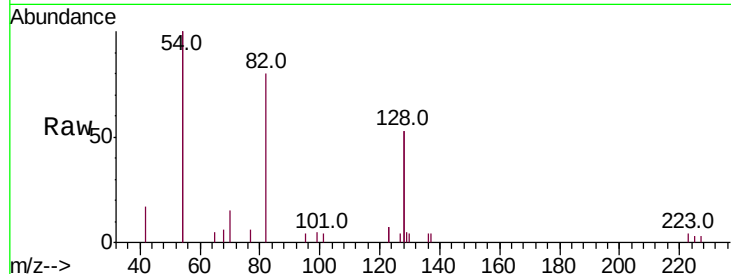




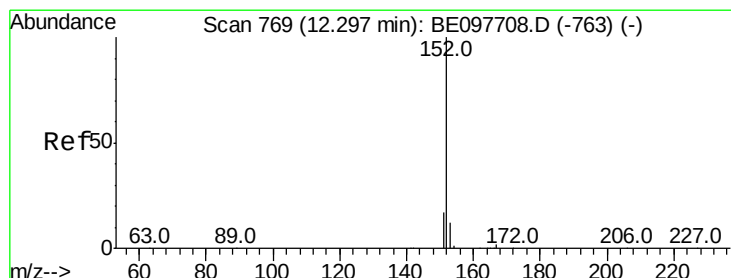
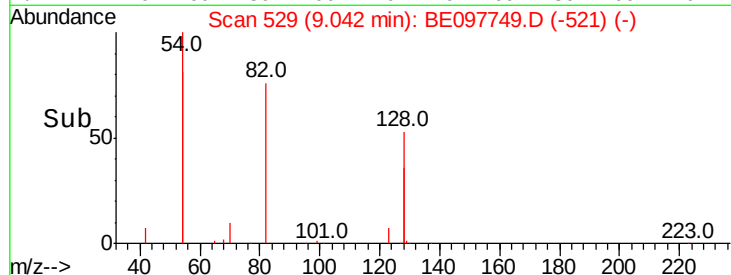
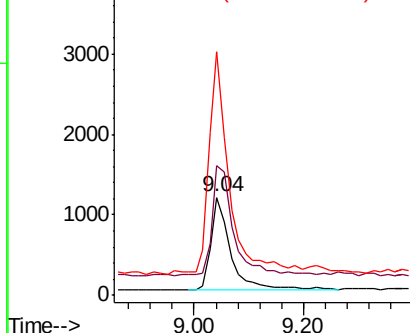
#8  
 Nitrobenzene-d5  
 Concen: 0.681 ng  
 RT: 9.04 min Scan# 529  
 Delta R.T. 0.00 min  
 Lab File: BE097749.D  
 Acq: 5 Oct 2018 11:11

Instrument :  
 BNA\_E  
 ClientSampleId :

| Tot Ion   | 82    | Resp  | 2899  |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 82        | 100   |       |       |
| 128       | 132.5 | 97.0  | 145.4 |
| 54        | 248.6 | 206.9 | 310.3 |

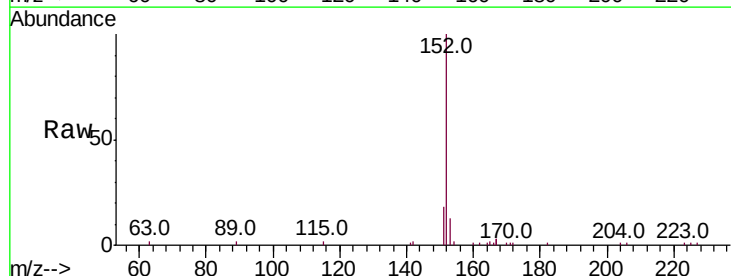


Abundance Ion 82.00 (81.70 to 82.70): BE0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BE0

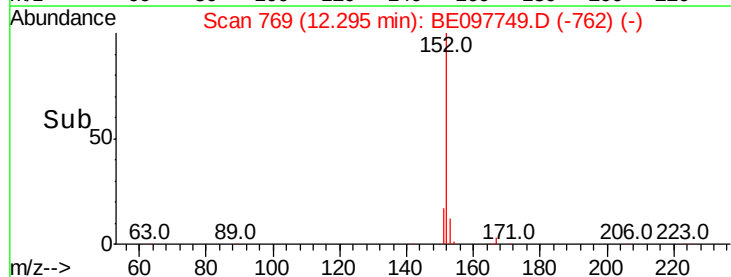
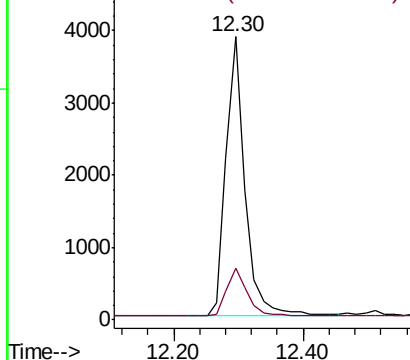


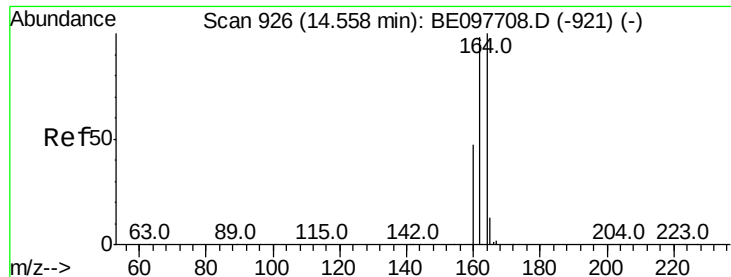
#11  
 2-Methylnaphthalene-d10  
 Concen: 0.377 ng  
 RT: 12.30 min Scan# 769  
 Delta R.T. -0.00 min  
 Lab File: BE097749.D  
 Acq: 5 Oct 2018 11:11

| Tgt Ion   | 152   | Resp  | 7866 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 152       | 100   |       |      |
| 151       | 19.3  | 15.4  | 23.2 |



Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 151.00 (150.70 to 151.70): E

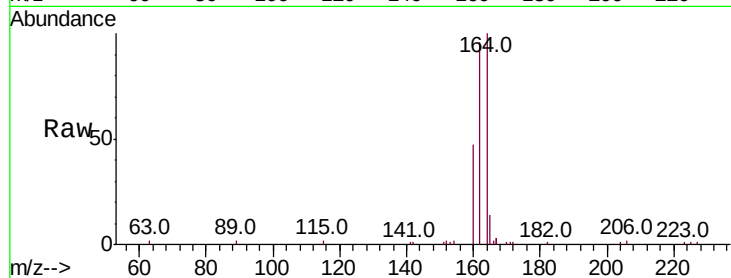




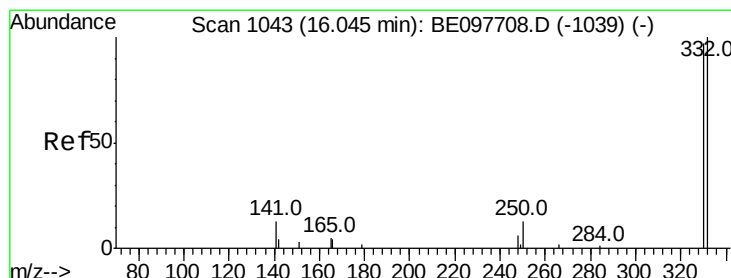
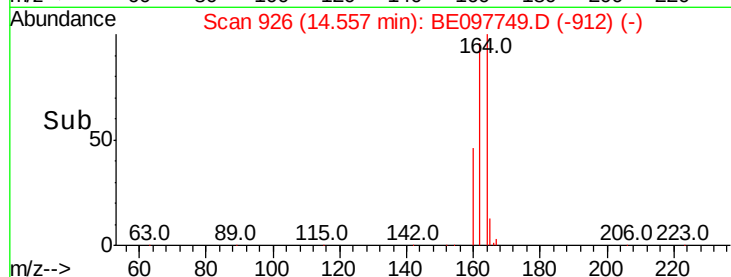
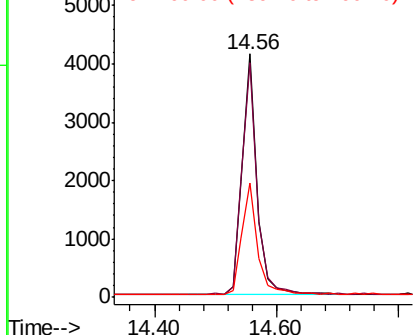
#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.56 min Scan# 926  
 Delta R.T. -0.00 min  
 Lab File: BE097749.D  
 Acq: 5 Oct 2018 11:11

Instrument :  
 BNA\_E  
 ClientSampled :

Tot Ion:164 Resp: 6938  
 Ion Ratio Lower Upper  
 164 100  
 162 96.1 78.6 117.8  
 160 47.0 37.8 56.6

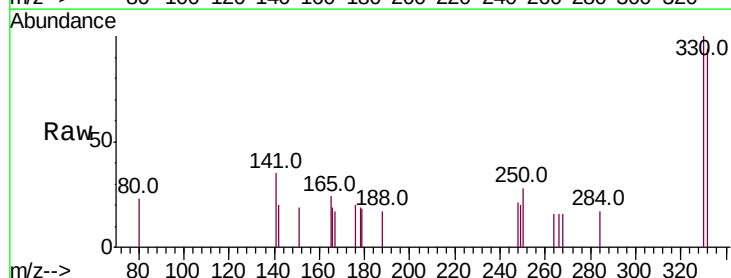


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

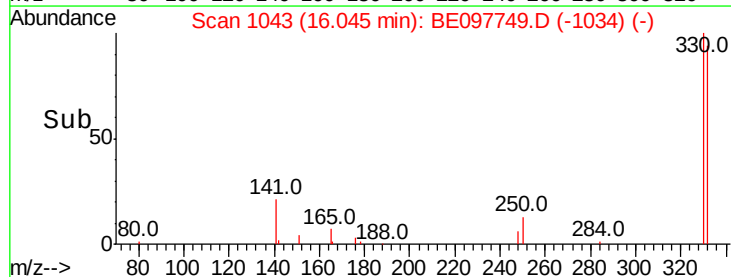
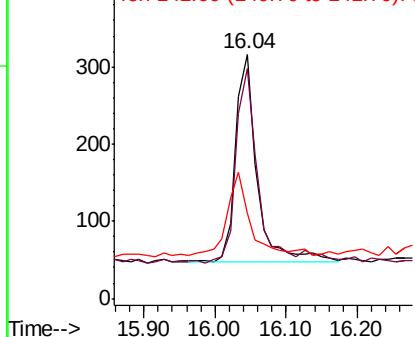


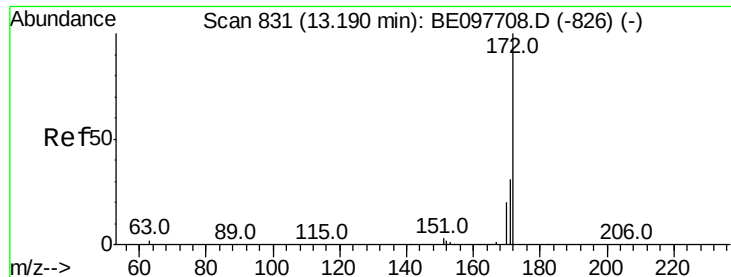
#14  
 2,4,6-Tribromophenol  
 Concen: 0.442 ng  
 RT: 16.04 min Scan# 1043  
 Delta R.T. 0.00 min  
 Lab File: BE097749.D  
 Acq: 5 Oct 2018 11:11

Tgt Ion:330 Resp: 556  
 Ion Ratio Lower Upper  
 330 100  
 332 93.9 83.5 125.3  
 141 43.5 34.9 52.3



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

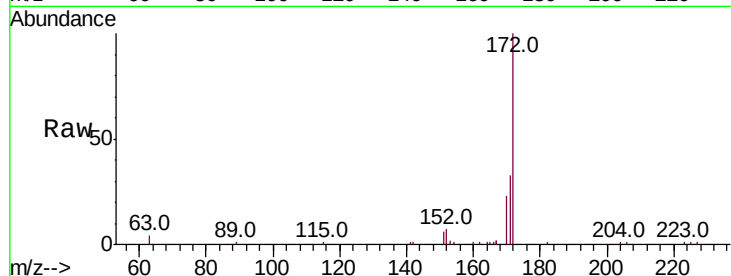




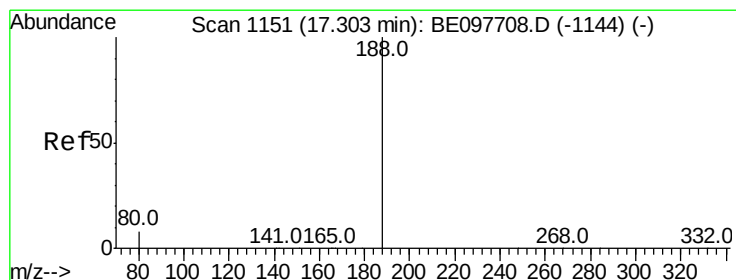
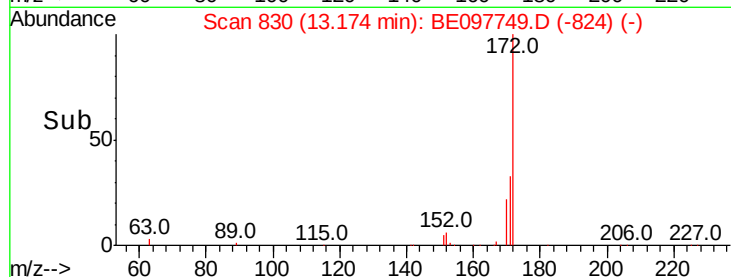
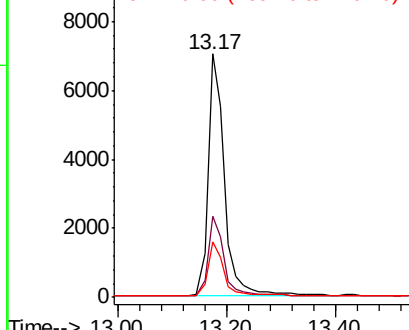
#15  
2-Fluorobiphenyl  
Concen: 0.475 ng  
RT: 13.17 min Scan# 830  
Delta R.T. -0.02 min  
Lab File: BE097749.D  
Acq: 5 Oct 2018 11:11

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:172 Resp: 14517  
Ion Ratio Lower Upper  
172 100  
171 33.2 25.2 37.8  
170 22.5 16.2 24.2

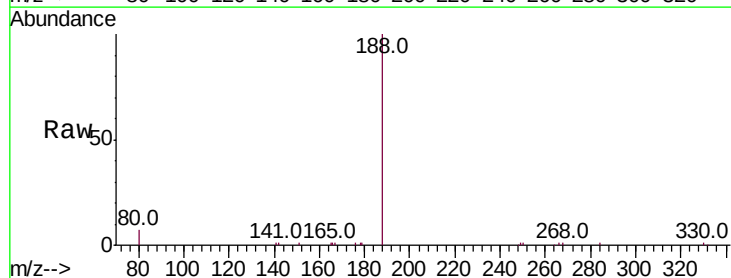


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

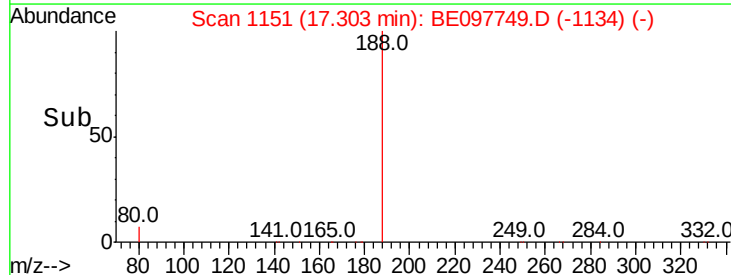
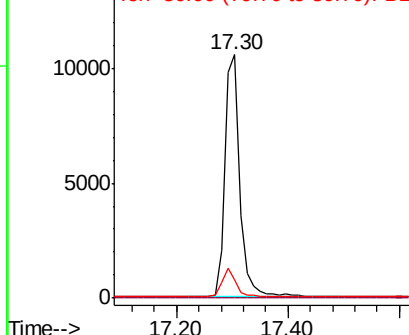


#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.30 min Scan# 1151  
Delta R.T. -0.00 min  
Lab File: BE097749.D  
Acq: 5 Oct 2018 11:11

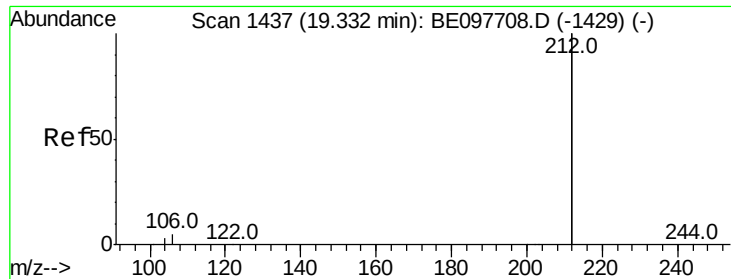
Tgt Ion:188 Resp: 19995  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 7.3 6.6 9.8



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BE0  
Ion 80.00 (79.70 to 80.70): BE0



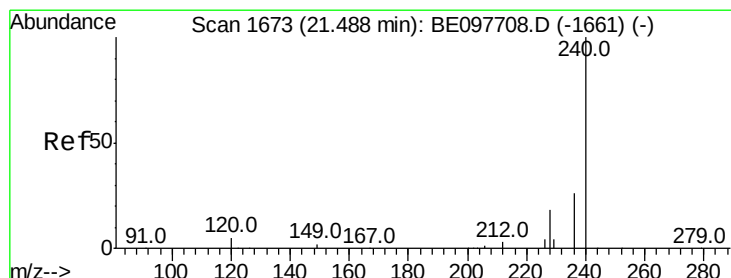
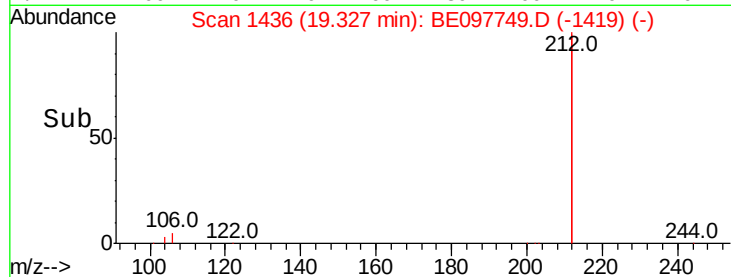
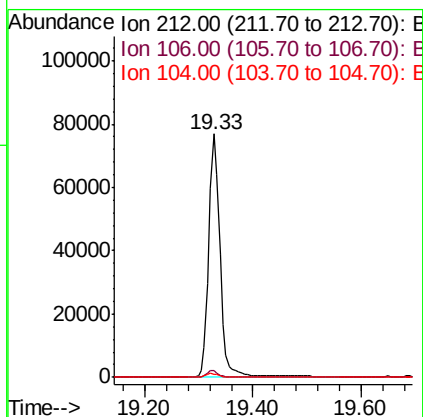
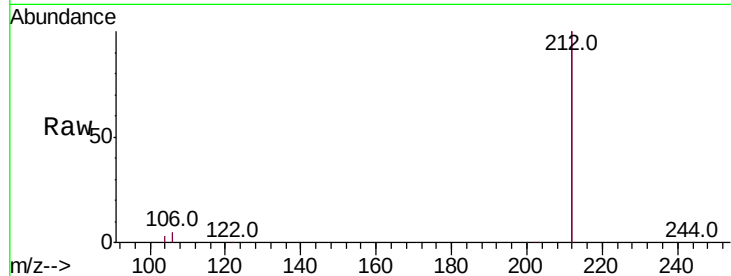




#25  
 Fluoranthene-d10  
 Concen: 0.435 ng  
 RT: 19.33 min Scan# 1436  
 Delta R.T. -0.00 min  
 Lab File: BE097749.D  
 Acq: 5 Oct 2018 11:11

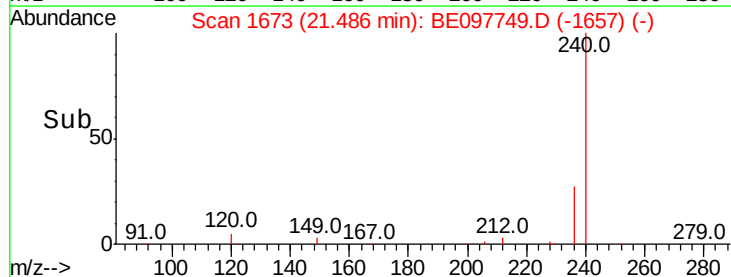
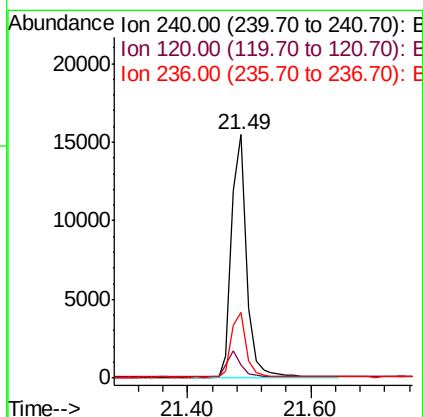
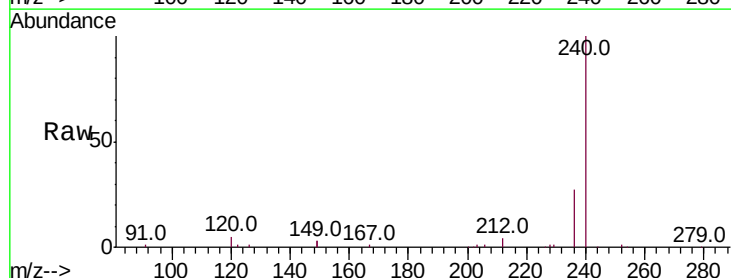
Instrument :  
 BNA\_E  
 ClientSampleId :

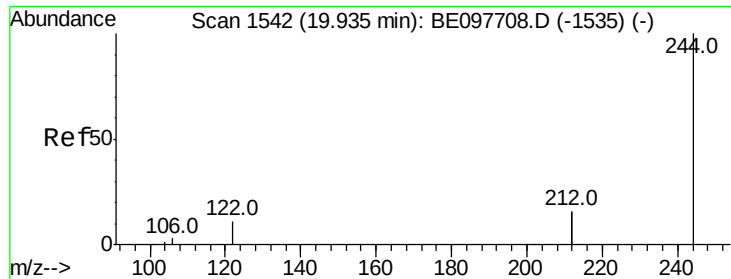
Tot Ion:212 Resp: 110164  
 Ion Ratio Lower Upper  
 212 100  
 106 2.6 2.2 3.2  
 104 1.5 1.2 1.8



#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.49 min Scan# 1673  
 Delta R.T. -0.00 min  
 Lab File: BE097749.D  
 Acq: 5 Oct 2018 11:11

Tgt Ion:240 Resp: 25835  
 Ion Ratio Lower Upper  
 240 100  
 120 5.3 4.7 7.1  
 236 27.0 20.8 31.2

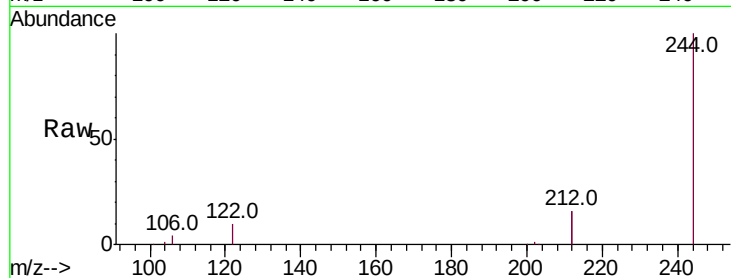




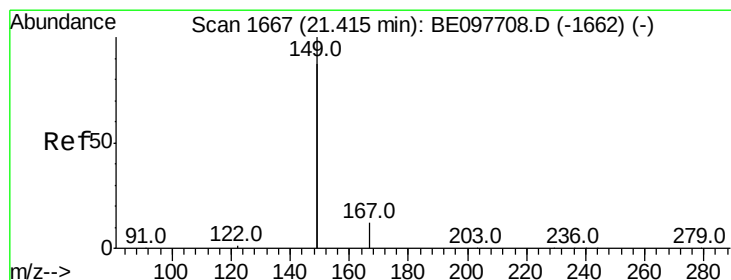
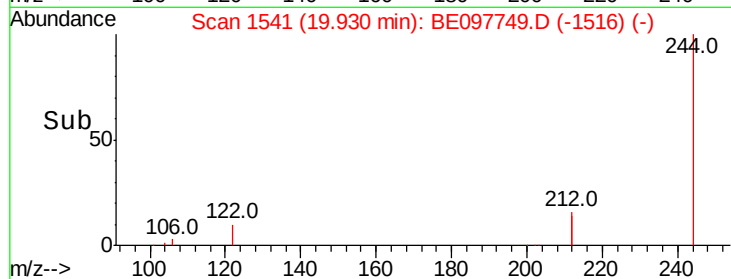
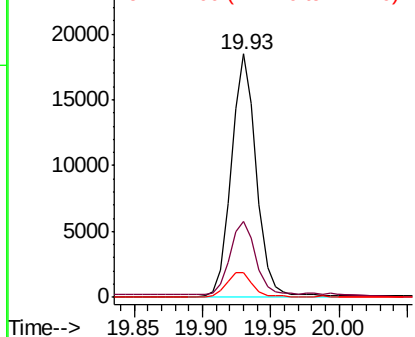
#29  
 Terphenyl-d14  
 Concen: 0.446 ng  
 RT: 19.93 min Scan# 1541  
 Delta R.T. -0.00 min  
 Lab File: BE097749.D  
 Acq: 5 Oct 2018 11:11

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:244 Resp: 23517  
 Ion Ratio Lower Upper  
 244 100  
 212 31.3 25.8 38.8  
 122 10.0 8.7 13.1

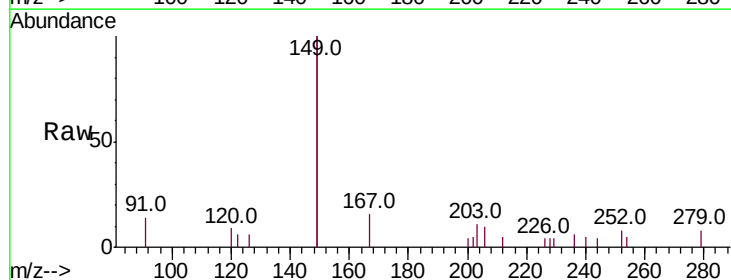


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E

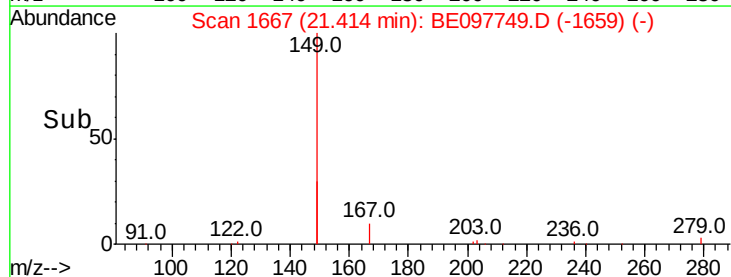
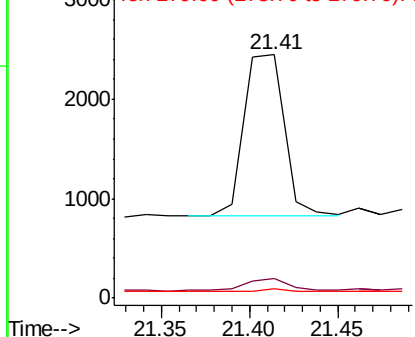


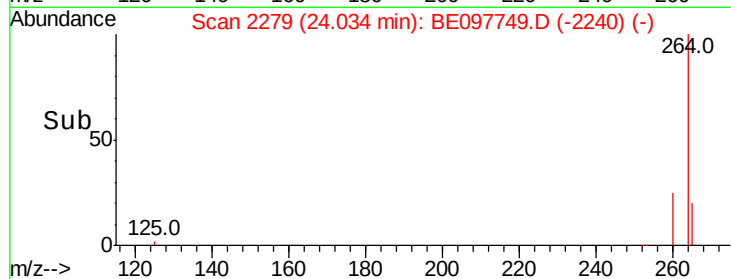
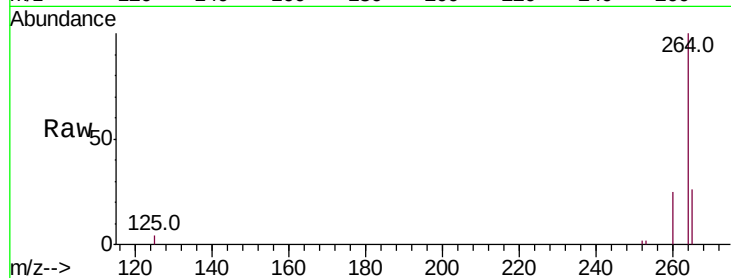
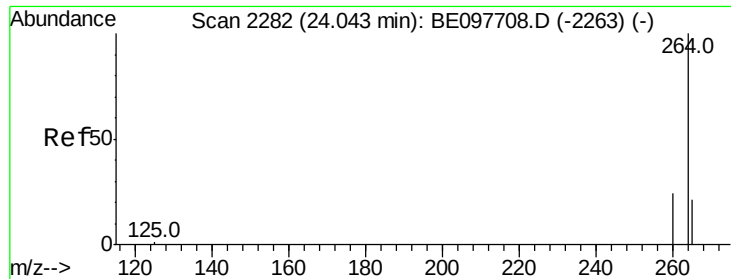
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.051 ng  
 RT: 21.41 min Scan# 1667  
 Delta R.T. -0.00 min  
 Lab File: BE097749.D  
 Acq: 5 Oct 2018 11:11

Tgt Ion:149 Resp: 2575  
 Ion Ratio Lower Upper  
 149 100  
 167 9.6 5.5 8.3#  
 279 1.6 0.9 1.3#



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

Pervlene-d12

Concen: 0.400 ng

RT: 24.03 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BE097749.D

Acq: 5 Oct 2018 11:11

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:264 Resp: 24246

Ion Ratio Lower Upper

264 100

260 25.4 19.1 28.7

265 26.1 21.9 32.9

