

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE081018\  
 Data File : BE097268.D  
 Acq On : 10 Aug 2018 18:52  
 Operator : SJ/JU  
 Sample : PB111898BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Aug 10 23:07:48 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 31 10:49:28 2018  
 Response via : Initial Calibration

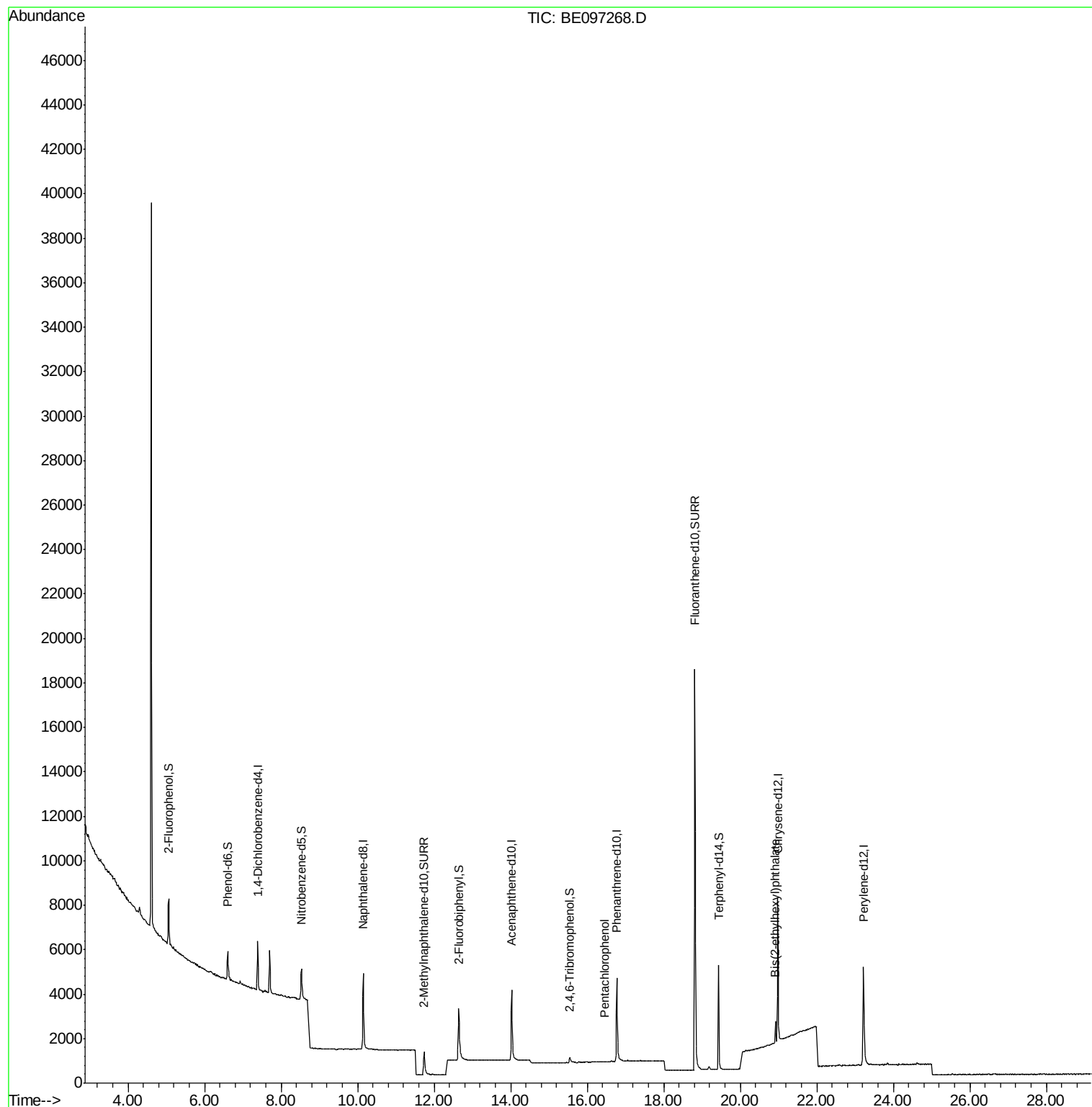
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.39  | 152  | 985      | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.15 | 136  | 4287     | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.03 | 164  | 2285     | 0.40  | ng    | 0.01     |
| 19) Phenanthrene-d10           | 16.78 | 188  | 6505     | 0.40  | ng    | 0.01     |
| 27) Chrysene-d12               | 20.98 | 240  | 6761     | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.22 | 264  | 6939     | 0.40  | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.07  | 112  | 1146     | 0.41  | ng    | 0.01     |
| 5) Phenol-d6                   | 6.61  | 99   | 1349     | 0.33  | ng    | 0.01     |
| 8) Nitrobenzene-d5             | 8.53  | 82   | 1545     | 0.41  | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10    | 11.74 | 152  | 2310     | 0.36  | ng    | 0.01     |
| 14) 2,4,6-Tribromophenol       | 15.54 | 330  | 197      | 0.26  | ng    | 0.02     |
| 15) 2-Fluorobiphenyl           | 12.64 | 172  | 3541     | 0.45  | ng    | 0.01     |
| 25) Fluoranthene-d10           | 18.82 | 212  | 28164    | 0.43  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.44 | 244  | 4597     | 0.35  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 22) Pentachlorophenol          | 16.46 | 266  | 13       | 0.051 | ng    | 93       |
| 32) Bis(2-ethylhexyl)phthalate | 20.92 | 149  | 1312     | 0.066 | ng    | # 99     |

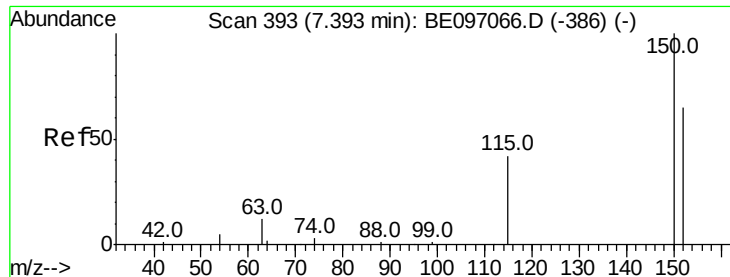
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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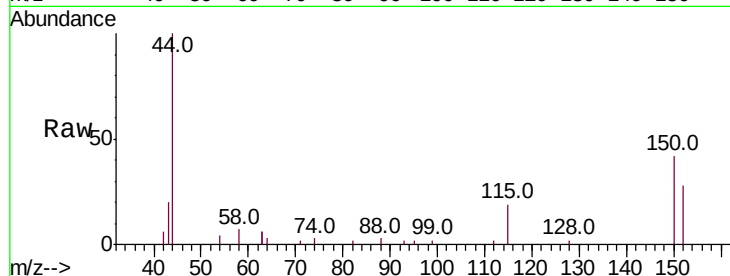


#1

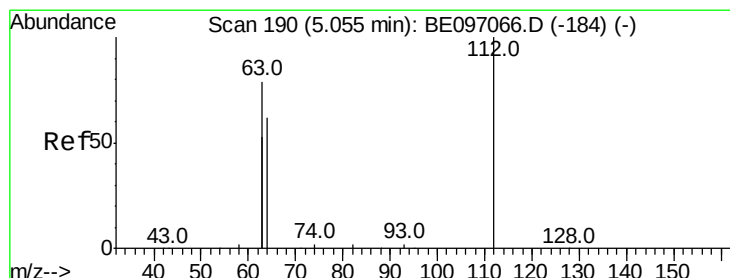
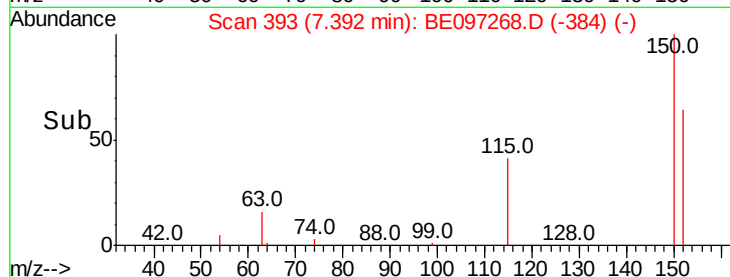
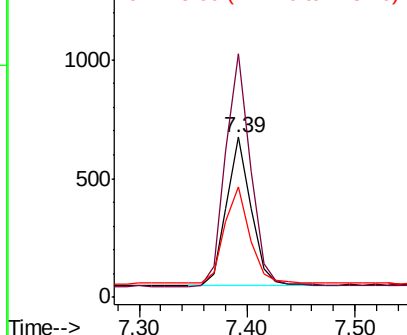
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.39 min Scan# 393  
Delta R.T. 0.00 min  
Lab File: BE097268.D  
Acq: 10 Aug 2018 18:52

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 985  
Ion Ratio Lower Upper  
152 100  
150 152.0 117.2 175.8  
115 68.6 57.0 85.6



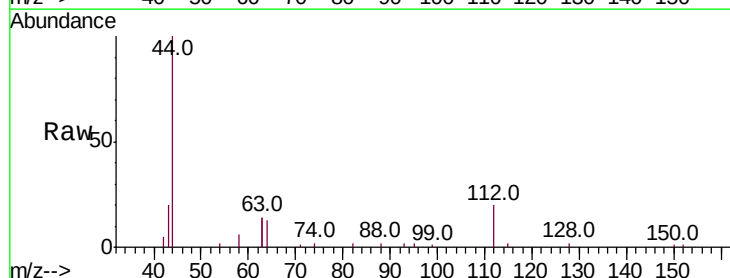
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



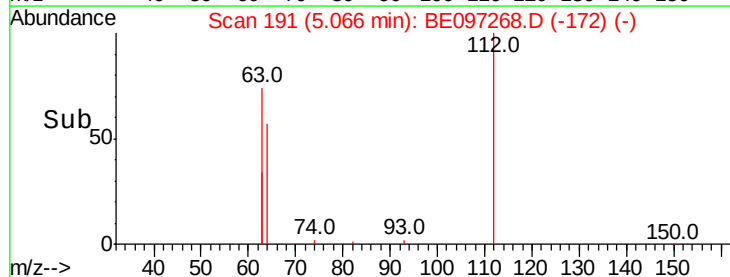
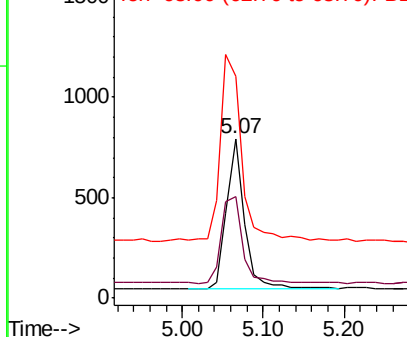
#4

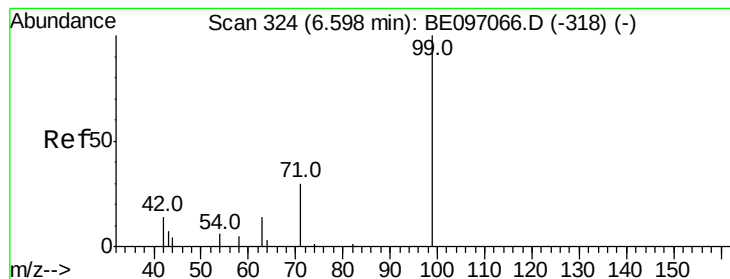
2-Fluorophenol  
Concen: 0.414 ng  
RT: 5.07 min Scan# 191  
Delta R.T. 0.01 min  
Lab File: BE097268.D  
Acq: 10 Aug 2018 18:52

Tgt Ion:112 Resp: 1146  
Ion Ratio Lower Upper  
112 100  
64 69.0 60.1 90.1  
63 148.3 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BE0  
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.332 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.01 min

Lab File: BE097268.D

Acq: 10 Aug 2018 18:52

Instrument :

BNA\_E

ClientSampleId :

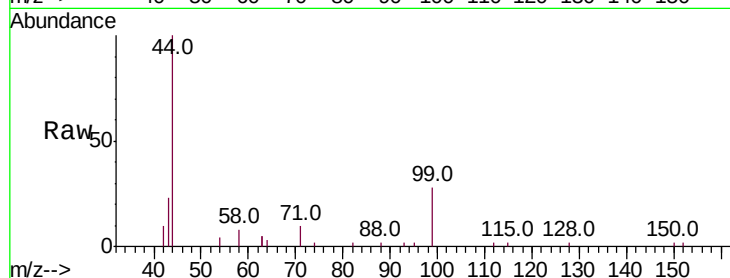
Tot Ion: 99 Resp: 1349

Ion Ratio Lower Upper

99 100

42 19.2 20.2 30.2#

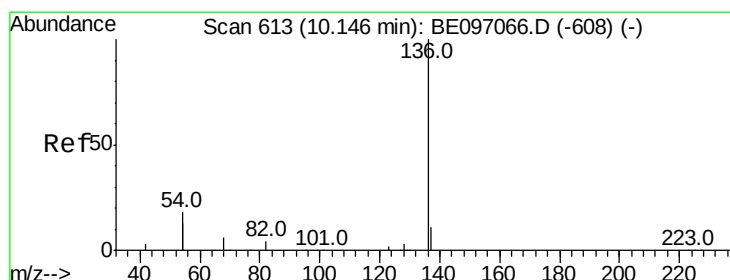
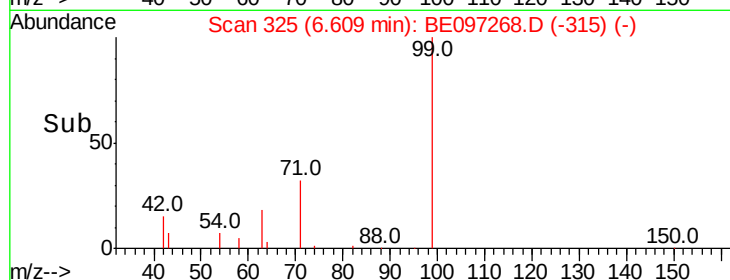
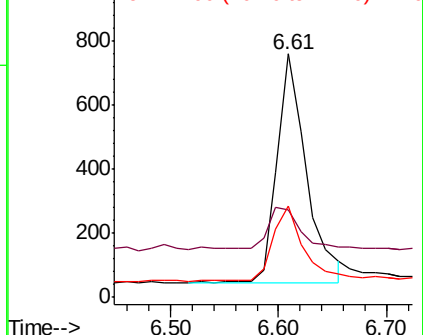
71 34.1 28.4 42.6



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097268.D

Acq: 10 Aug 2018 18:52

Tgt Ion: 136 Resp: 4287

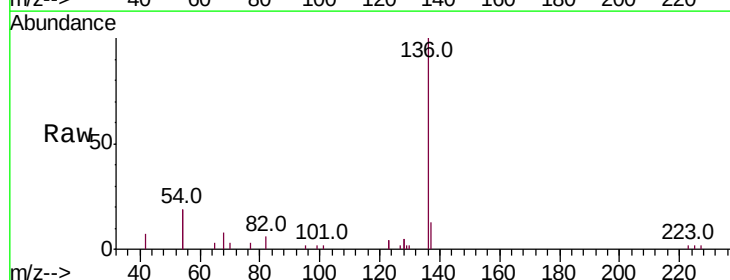
Ion Ratio Lower Upper

136 100

137 12.7 9.5 14.3

54 38.2 29.1 43.7

68 8.1 6.2 9.2

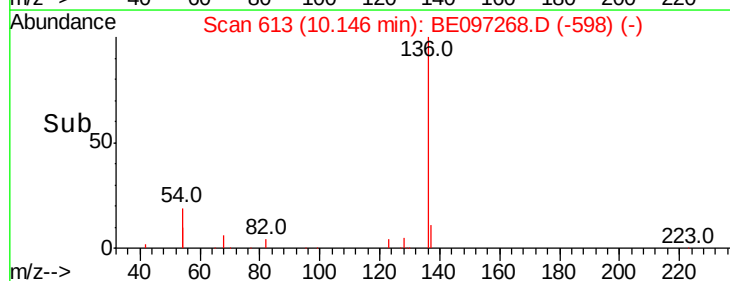
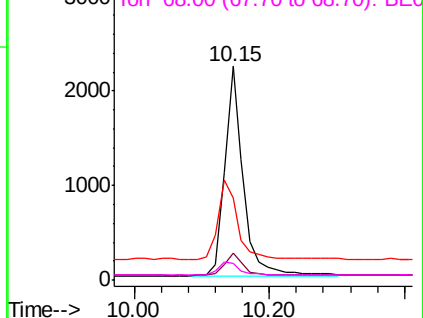


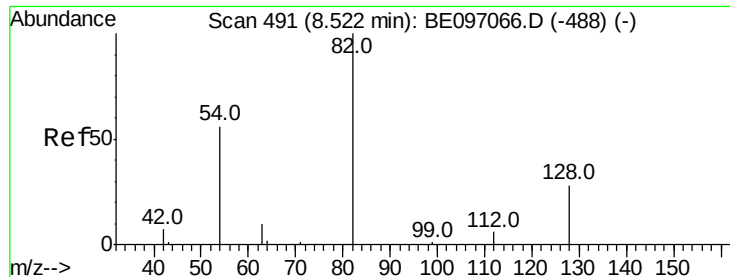
Abundance Ion 136.00 (135.70 to 136.70): E

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

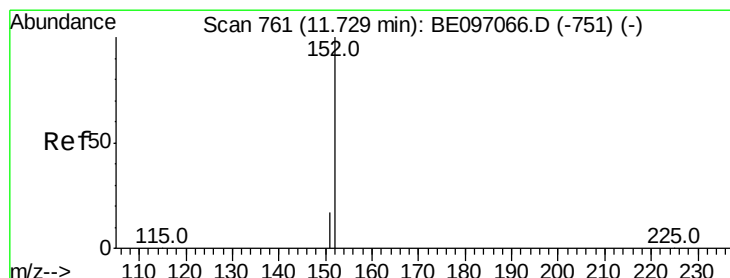
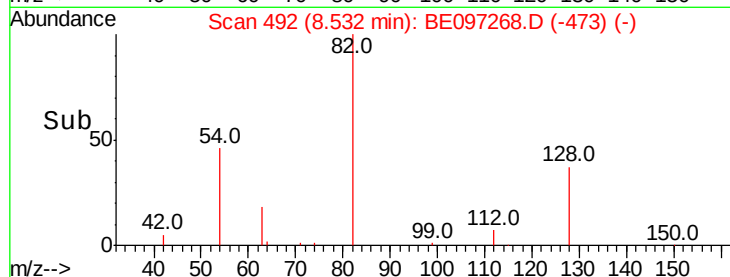
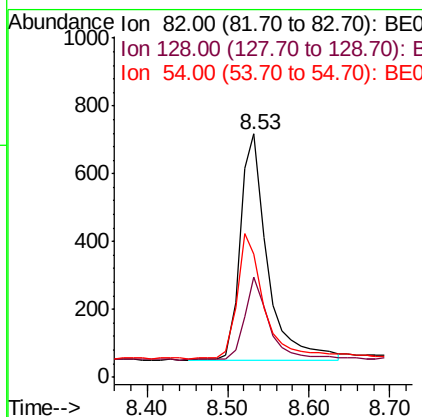
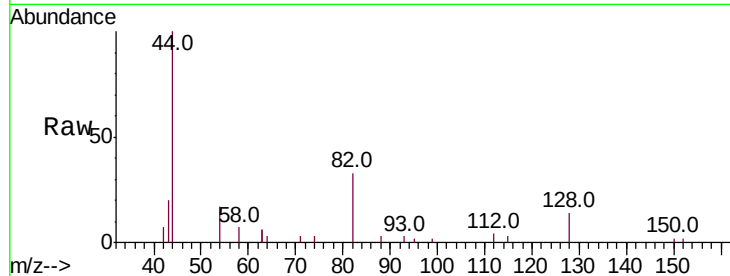




#8  
 Nitrobenzene-d5  
 Concen: 0.415 ng  
 RT: 8.53 min Scan# 492  
 Delta R.T. 0.01 min  
 Lab File: BE097268.D  
 Acq: 10 Aug 2018 18:52

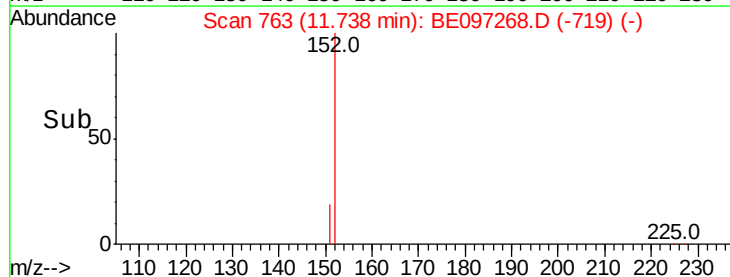
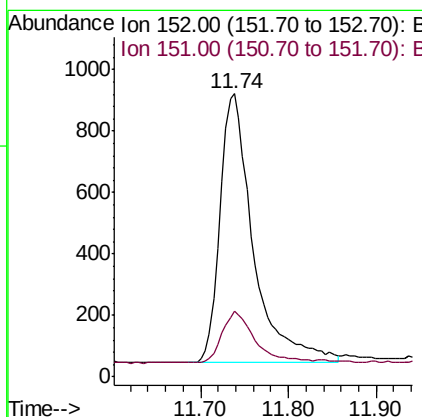
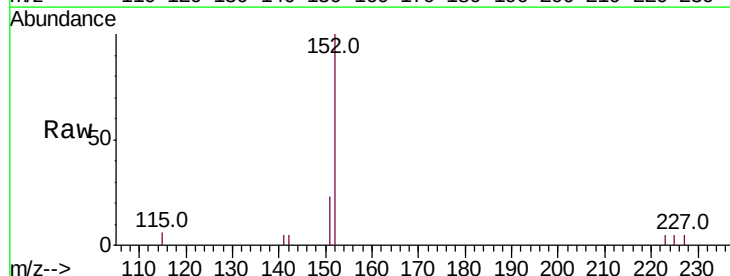
Instrument :  
 BNA\_E  
 ClientSampleId :

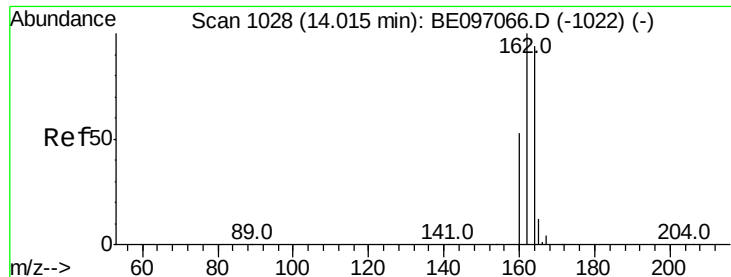
| Tot Ion | 82    | Resp  | 1545  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 82      | 100   |       |       |
| 128     | 40.9  | 24.0  | 36.0# |
| 54      | 50.8  | 40.0  | 60.0  |



#11  
 2-Methylnaphthalene-d10  
 Concen: 0.360 ng  
 RT: 11.74 min Scan# 763  
 Delta R.T. 0.01 min  
 Lab File: BE097268.D  
 Acq: 10 Aug 2018 18:52

| Tgt Ion | 152   | Resp  | 2310  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 152     | 100   |       |       |
| 151     | 18.7  | 15.4  | 23.0  |

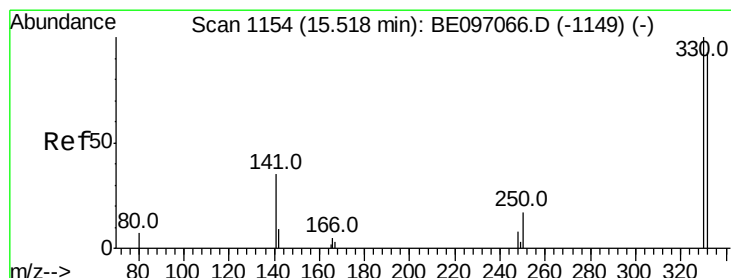
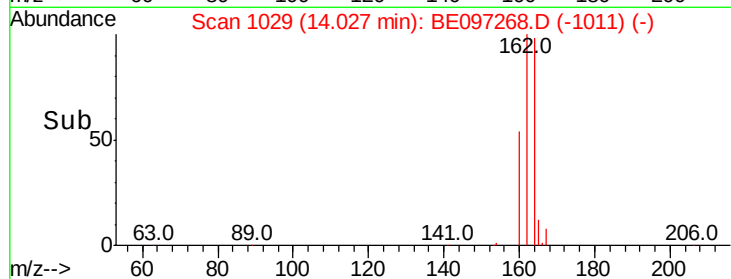
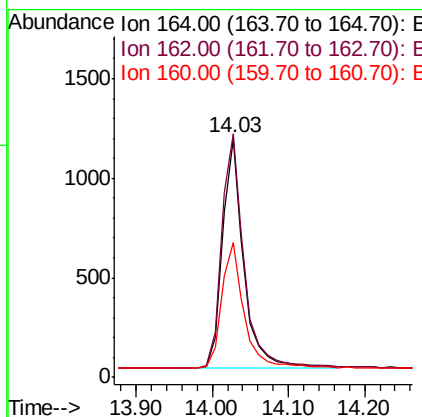
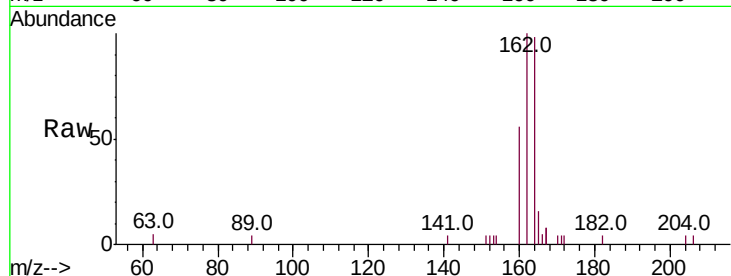




#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.03 min Scan# 1029  
 Delta R.T. 0.01 min  
 Lab File: BE097268.D  
 Acq: 10 Aug 2018 18:52

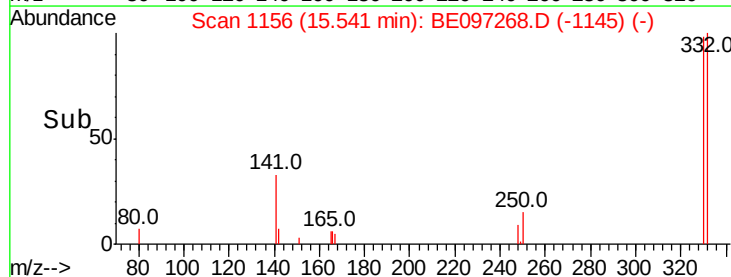
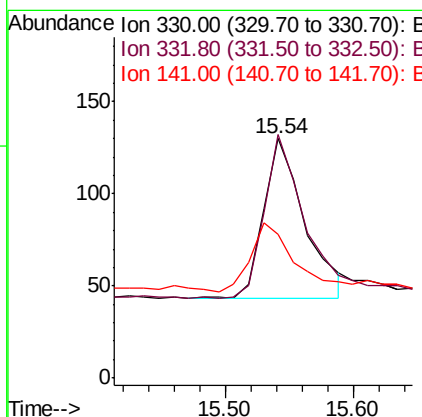
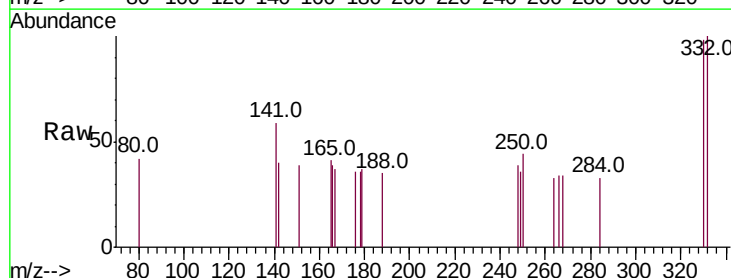
Instrument :  
 BNA\_E  
 ClientSampleId :

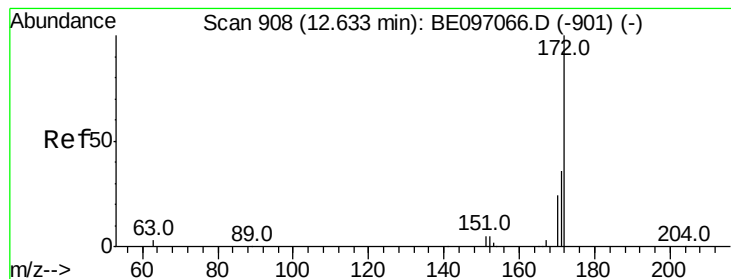
Tot Ion:164 Resp: 2285  
 Ion Ratio Lower Upper  
 164 100  
 162 102.0 83.1 124.7  
 160 56.6 37.1 55.7#



#14  
 2,4,6-Tribromophenol  
 Concen: 0.262 ng  
 RT: 15.54 min Scan# 1156  
 Delta R.T. 0.02 min  
 Lab File: BE097268.D  
 Acq: 10 Aug 2018 18:52

Tgt Ion:330 Resp: 197  
 Ion Ratio Lower Upper  
 330 100  
 332 100.0 152.7 229.1#  
 141 44.7 33.7 50.5

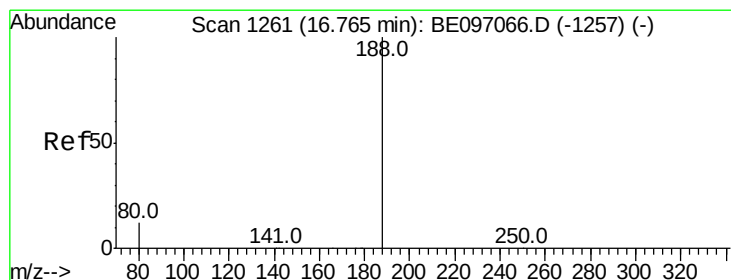
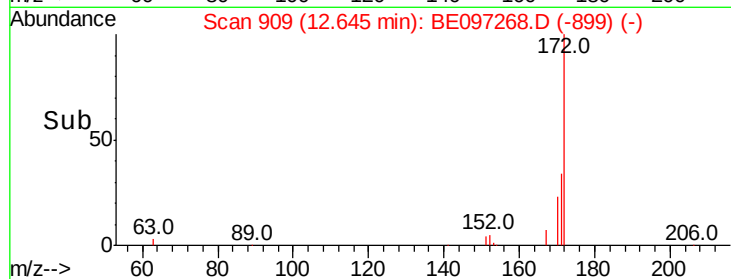
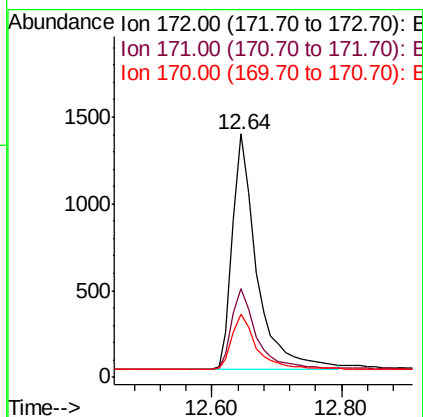
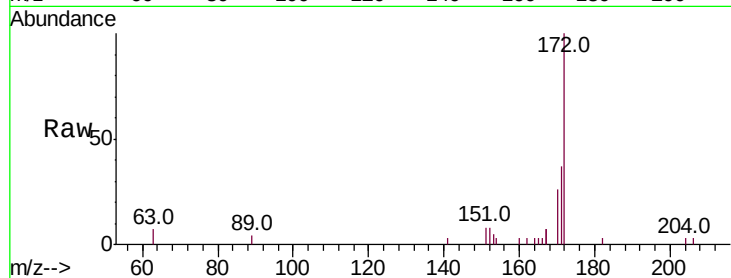




#15  
2-Fluorobiphenyl  
Concen: 0.449 ng  
RT: 12.64 min Scan# 909  
Delta R.T. 0.01 min  
Lab File: BE097268.D  
Acq: 10 Aug 2018 18:52

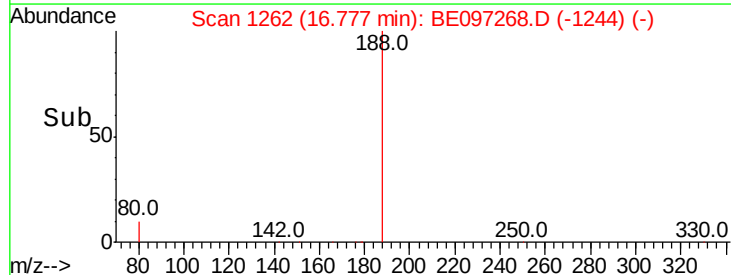
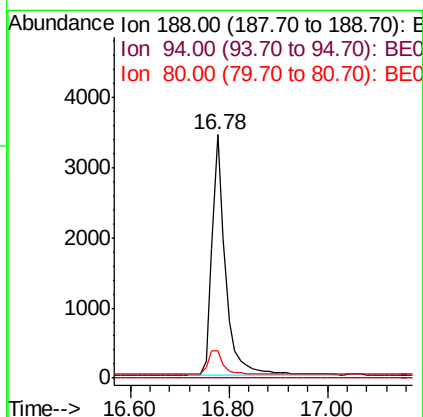
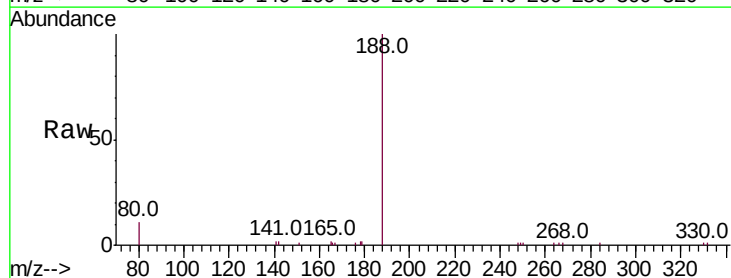
Instrument :  
BNA\_E  
ClientSampleId :

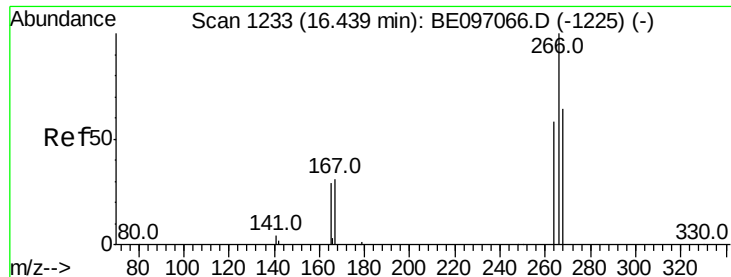
Tot Ion:172 Resp: 3541  
Ion Ratio Lower Upper  
172 100  
171 36.6 29.9 44.9  
170 25.7 21.8 32.8



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.78 min Scan# 1262  
Delta R.T. 0.01 min  
Lab File: BE097268.D  
Acq: 10 Aug 2018 18:52

Tgt Ion:188 Resp: 6505  
Ion Ratio Lower Upper  
188 100  
94 0.0 3.9 5.9#  
80 11.2 3.6 5.4#





#22

Pentachlorophenol

Concen: 0.051 ng

RT: 16.46 min Scan# 1235

Delta R.T. 0.03 min

Lab File: BE097268.D

Acq: 10 Aug 2018 18:52

Instrument :

BNA\_E

ClientSampleId :

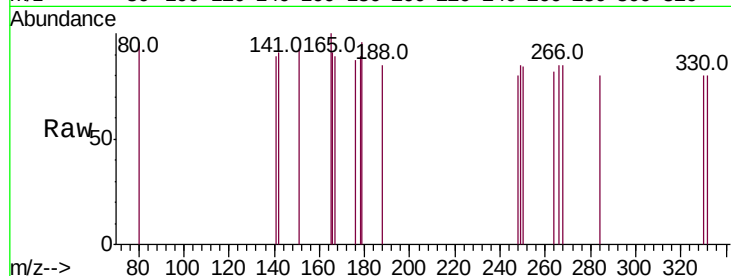
Tot Ion:266 Resp: 13

Ion Ratio Lower Upper

266 100

264 95.7 72.5 108.7

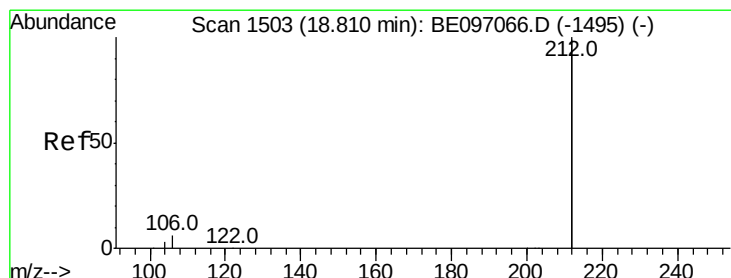
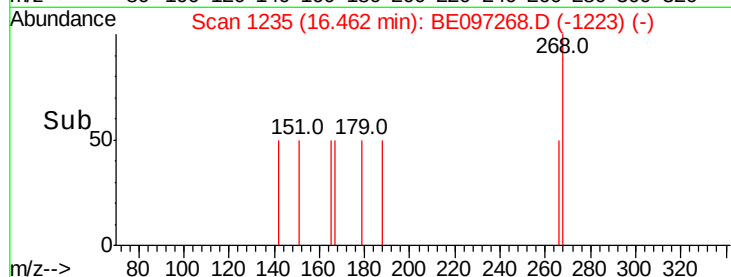
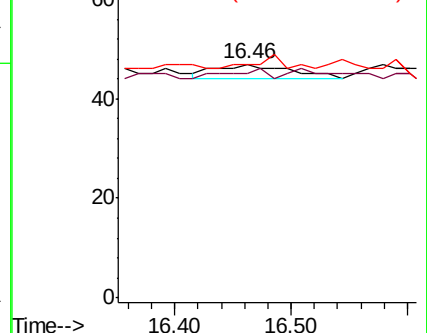
268 100.0 73.8 110.6



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#25

Fluoranthene-d10

Concen: 0.433 ng

RT: 18.82 min Scan# 1504

Delta R.T. 0.01 min

Lab File: BE097268.D

Acq: 10 Aug 2018 18:52

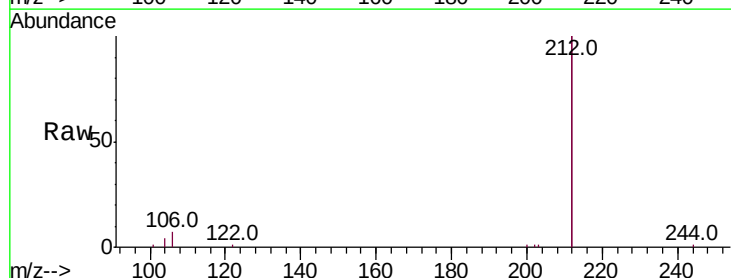
Tgt Ion:212 Resp: 28164

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

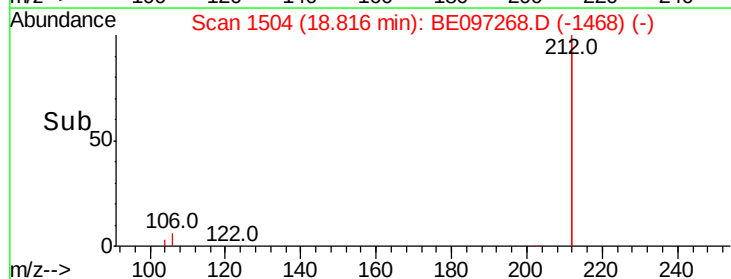
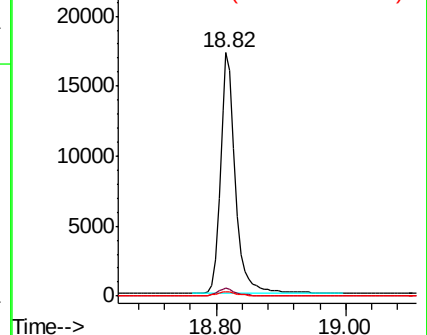
104 1.8 1.6 2.4



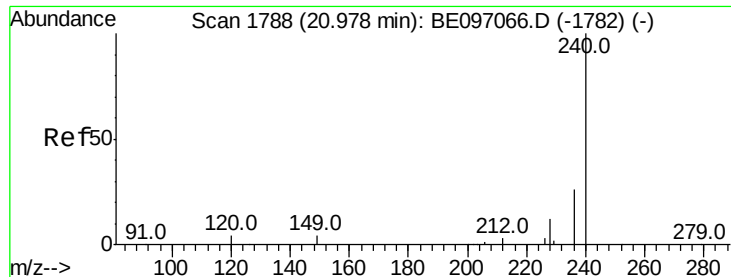
Abundance Ion 212.00 (211.70 to 212.70): E

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. 0.00 min

Lab File: BE097268.D

Acq: 10 Aug 2018 18:52

Instrument :

BNA\_E

ClientSampleId :

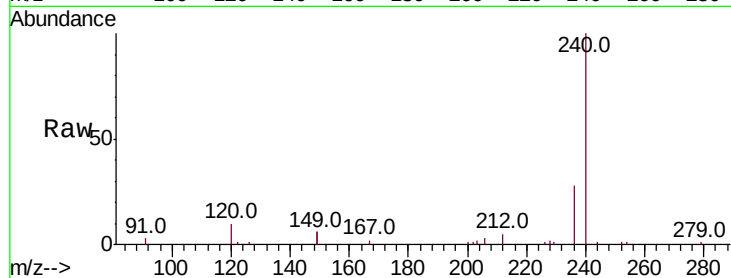
Tot Ion:240 Resp: 6761

Ion Ratio Lower Upper

240 100

120 9.5 5.5 8.3#

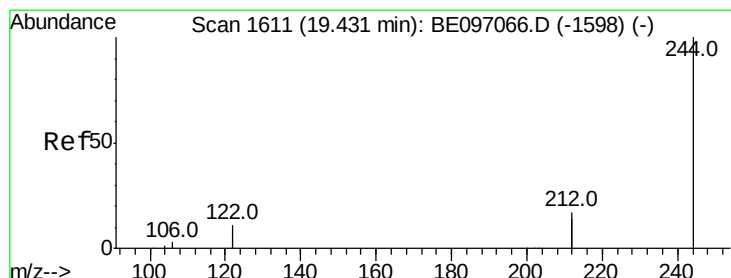
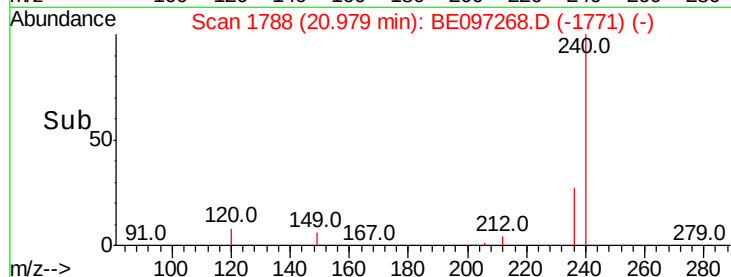
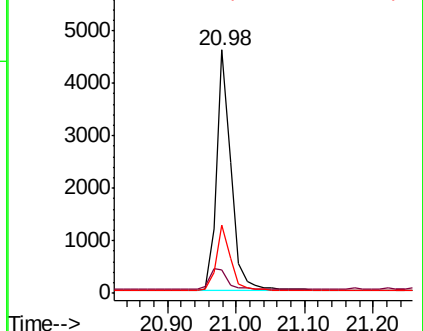
236 28.2 20.7 31.1



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



#29

Terphenyl-d14

Concen: 0.354 ng

RT: 19.44 min Scan# 1612

Delta R.T. 0.01 min

Lab File: BE097268.D

Acq: 10 Aug 2018 18:52

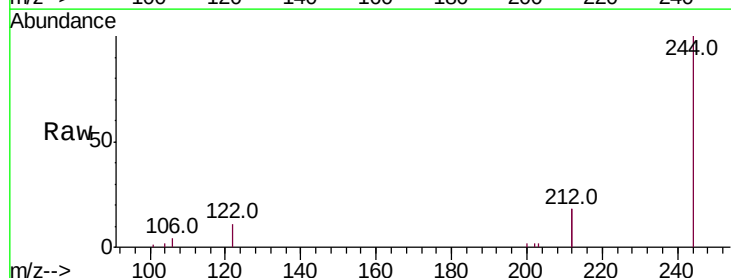
Tgt Ion:244 Resp: 4597

Ion Ratio Lower Upper

244 100

212 35.3 25.4 38.0

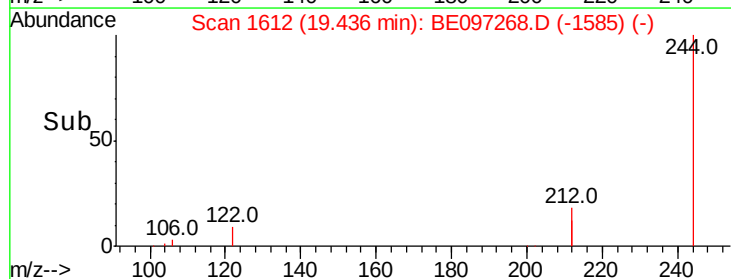
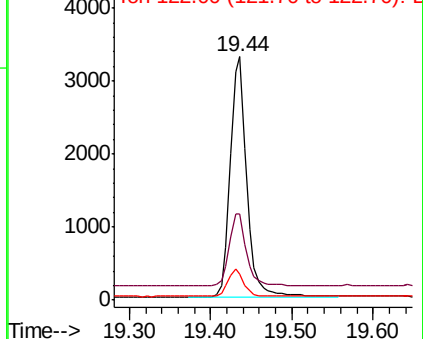
122 10.6 8.1 12.1

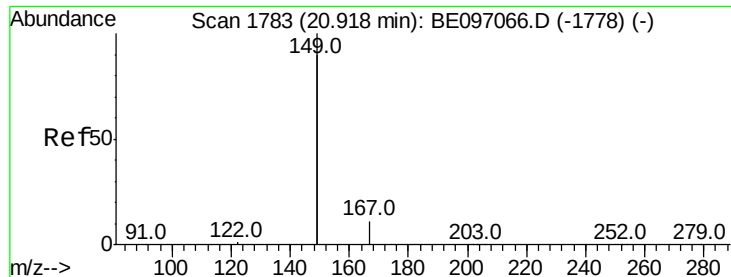


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

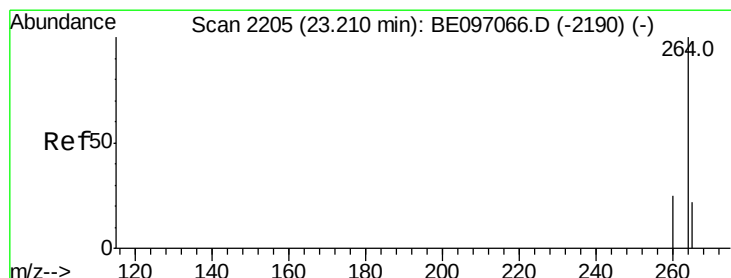
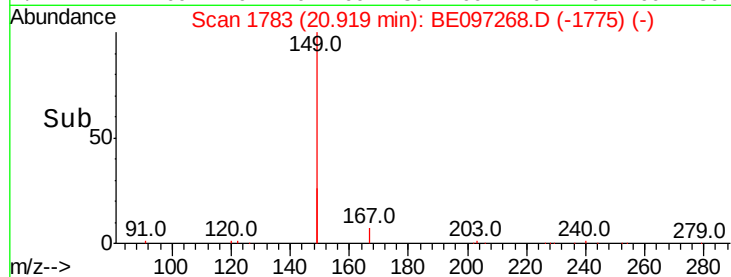
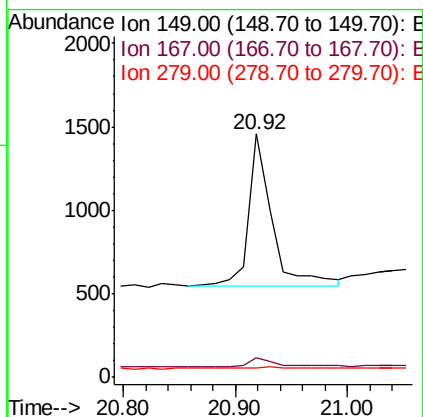
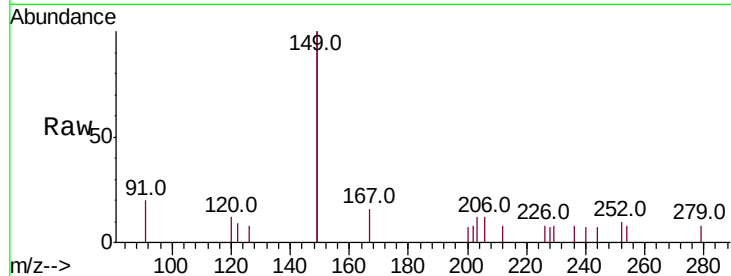




#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.066 ng  
 RT: 20.92 min Scan# 1783  
 Delta R.T. 0.00 min  
 Lab File: BE097268.D  
 Acq: 10 Aug 2018 18:52

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:149 Resp: 1312  
 Ion Ratio Lower Upper  
 149 100  
 167 6.2 5.4 8.0  
 279 1.2 0.7 1.1#



#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.22 min Scan# 2209  
 Delta R.T. 0.01 min  
 Lab File: BE097268.D  
 Acq: 10 Aug 2018 18:52

Tgt Ion:264 Resp: 6939  
 Ion Ratio Lower Upper  
 264 100  
 260 25.7 20.5 30.7  
 265 32.3 22.8 34.2

