

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061818\  
 Data File : BE096819.D  
 Acq On : 18 Jun 2018 21:41  
 Operator : SJ/JU  
 Sample : J3467-12  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Jun 19 01:26:29 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 18 13:28:13 2018  
 Response via : Initial Calibration

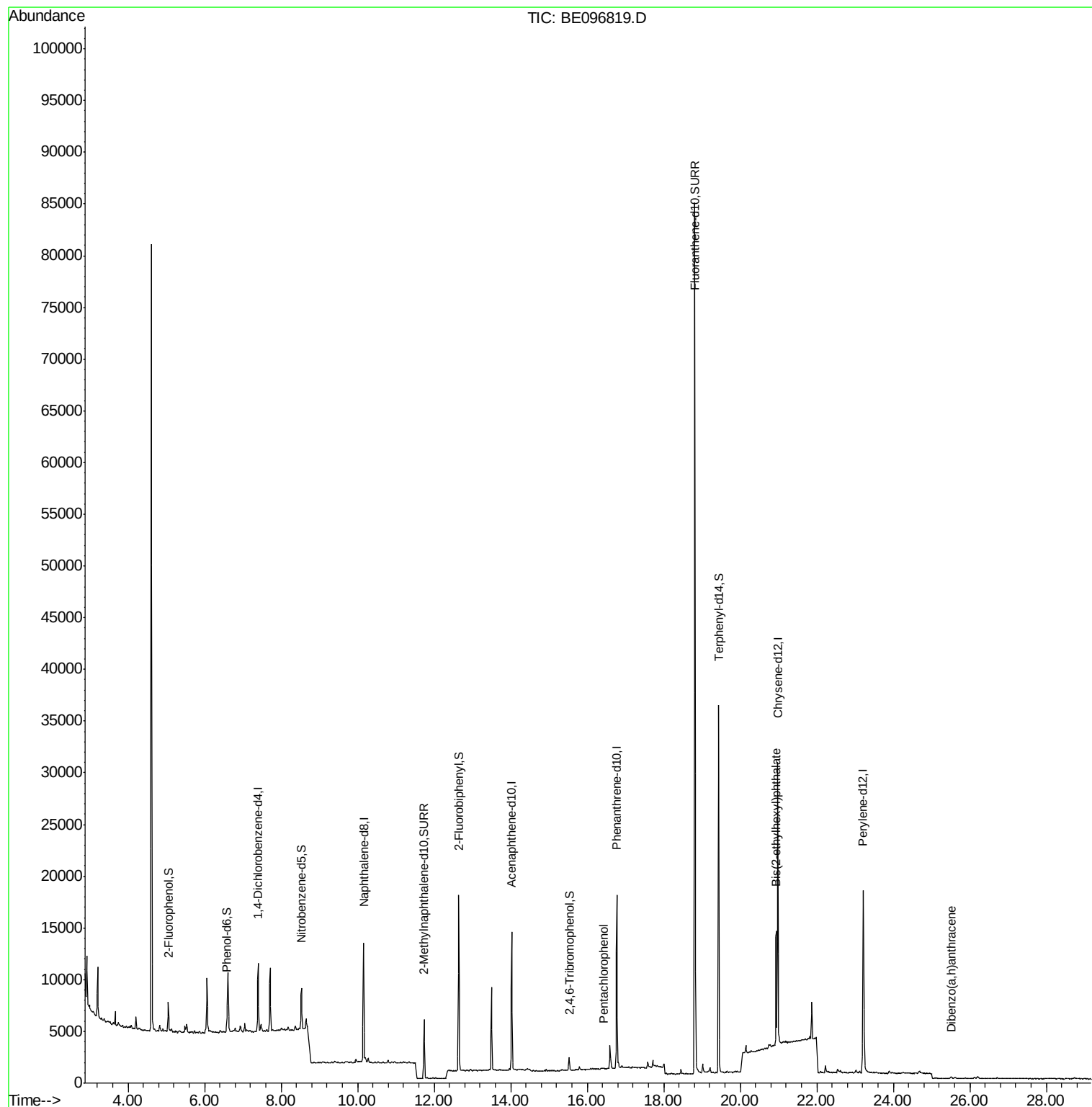
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.40  | 152  | 2864     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.16 | 136  | 13556    | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.03 | 164  | 7314     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 16.78 | 188  | 21782    | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 20.98 | 240  | 23993    | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.21 | 264  | 23926    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.05  | 112  | 1298     | 0.21  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.59  | 99   | 1109     | 0.12  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.53  | 82   | 3360     | 0.45  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 11.74 | 152  | 7716     | 0.36  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.53 | 330  | 748      | 0.47  | ng    | 0.01     |
| 15) 2-Fluorobiphenyl           | 12.64 | 172  | 14201    | 0.47  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 18.82 | 212  | 102627   | 0.48  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.44 | 244  | 28204    | 0.52  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 22) Pentachlorophenol          | 16.44 | 266  | 27       | 0.101 | ng    | 100      |
| 32) Bis(2-ethylhexyl)phthalate | 20.94 | 149  | 16485    | 0.377 | ng    | 99       |
| 38) Dibenzo(a,h)anthracene     | 25.52 | 278  | 8        | 0.077 | ng    | # 1      |

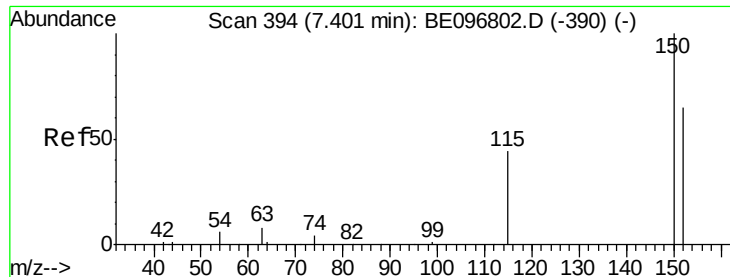
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061818\  
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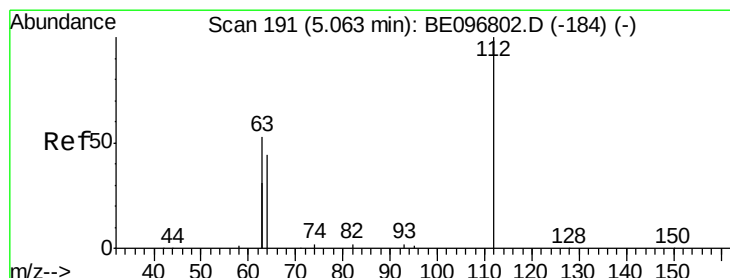
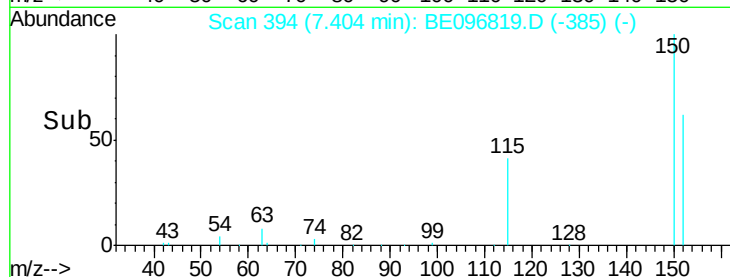
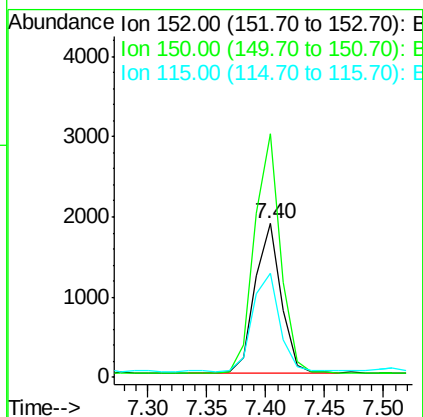
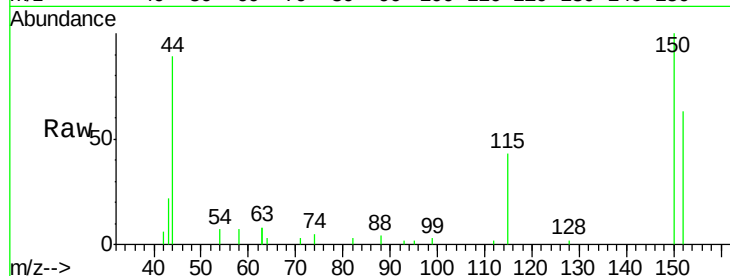


#1

1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.40 min Scan# 394  
Delta R.T. 0.00 min  
Lab File: BE096819.D  
Acq: 18 Jun 2018 21:41

Instrument :  
BNA\_E  
ClientSampleId :

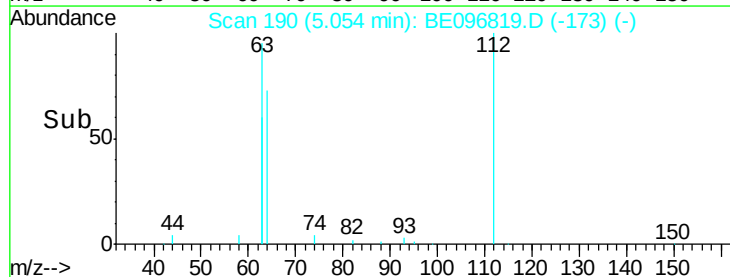
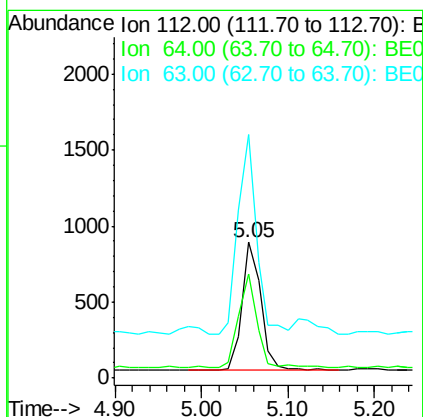
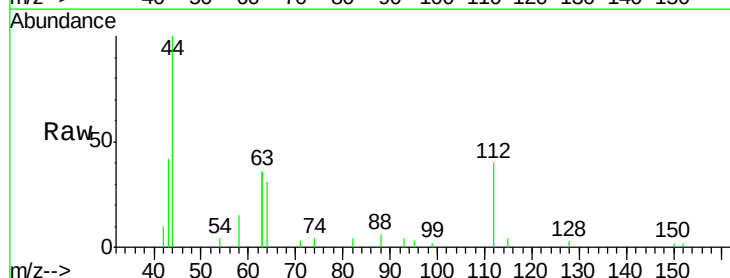
Tot Ion:152 Resp: 2864  
Ion Ratio Lower Upper  
152 100  
150 158.6 117.2 175.8  
115 68.0 57.0 85.6

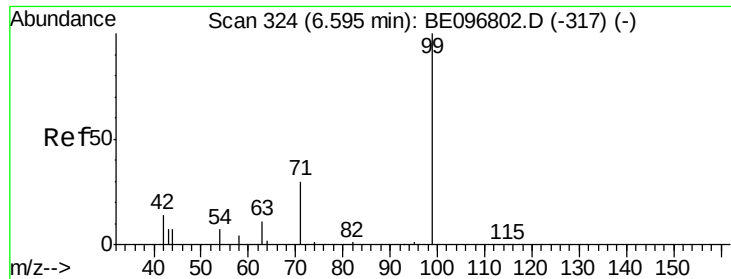


#4

2-Fluorophenol  
Concen: 0.207 ng  
RT: 5.05 min Scan# 190  
Delta R.T. -0.01 min  
Lab File: BE096819.D  
Acq: 18 Jun 2018 21:41

Tgt Ion:112 Resp: 1298  
Ion Ratio Lower Upper  
112 100  
64 69.5 60.1 90.1  
63 150.8 116.8 175.2





#5

Phenol-d6

Concen: 0.118 ng

RT: 6.59 min Scan# 323

Delta R.T. -0.01 min

Lab File: BE096819.D

Acq: 18 Jun 2018 21:41

Instrument :

BNA\_E

ClientSampleId :

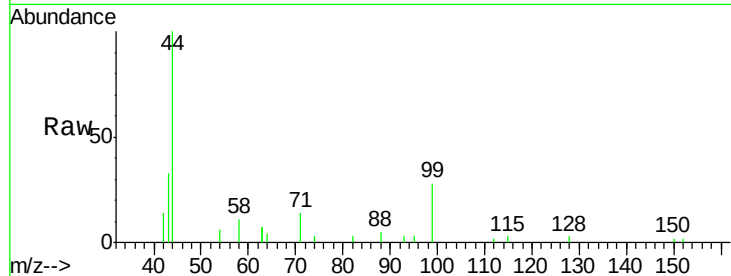
Tot Ion: 99 Resp: 1109

Ion Ratio Lower Upper

99 100

42 44.0 20.2 30.2#

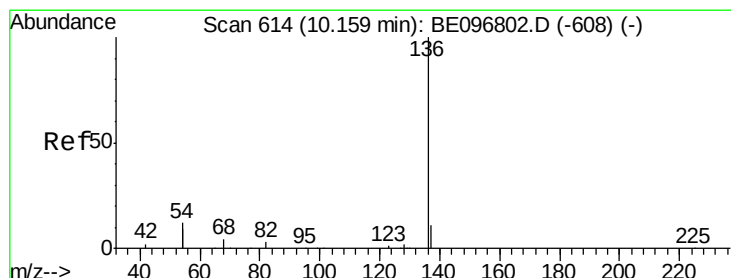
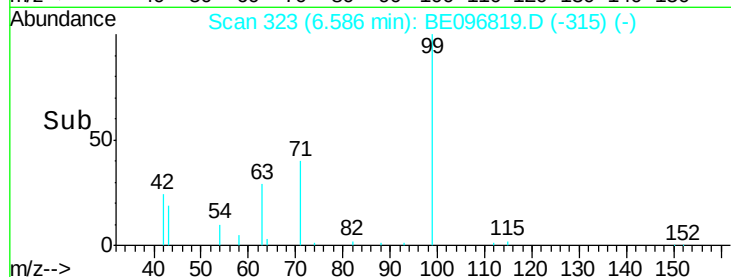
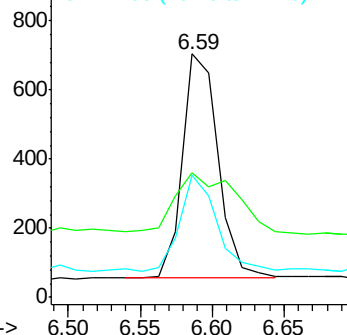
71 44.1 28.4 42.6#



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: 10.16 min Scan# 614

Delta R.T. 0.00 min

Lab File: BE096819.D

Acq: 18 Jun 2018 21:41

Tgt Ion: 136 Resp: 13556

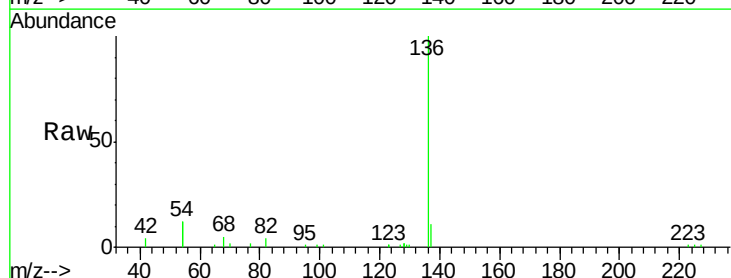
Ion Ratio Lower Upper

136 100

137 11.5 9.5 14.3

54 24.5 29.1 43.7#

68 5.0 6.2 9.2#

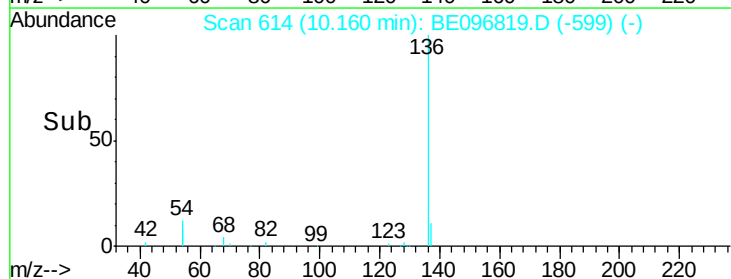
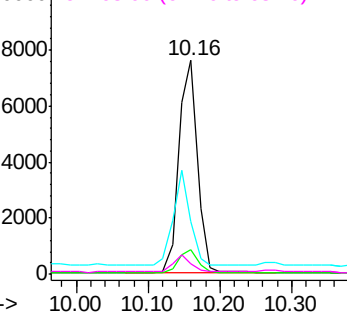


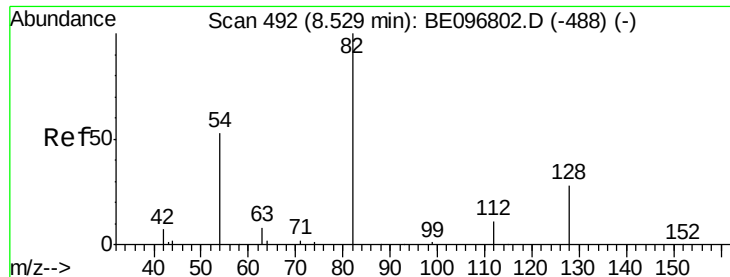
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.446 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.00 min

Lab File: BE096819.D

Acq: 18 Jun 2018 21:41

Instrument :

BNA\_E

ClientSampleId :

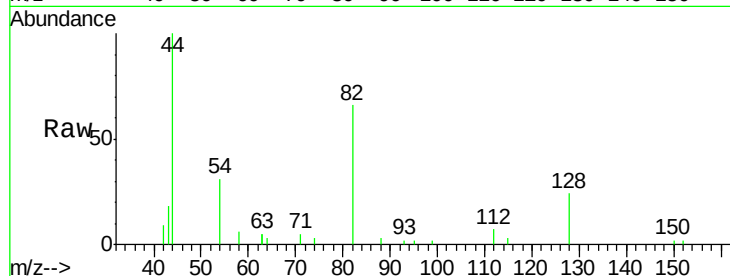
Tot Ion: 82 Resp: 3360

Ion Ratio Lower Upper

82 100

128 36.6 24.0 36.0#

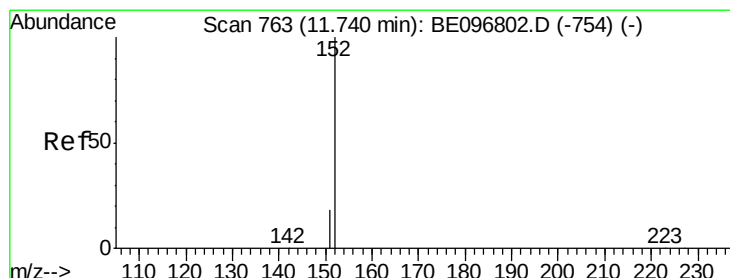
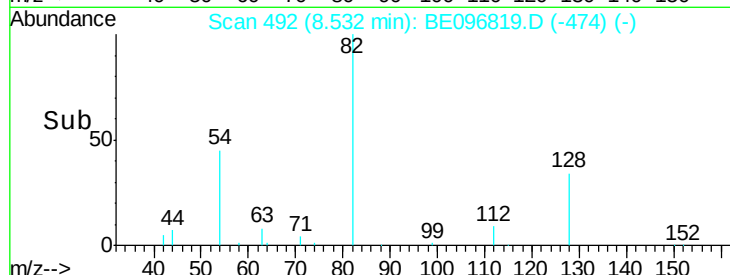
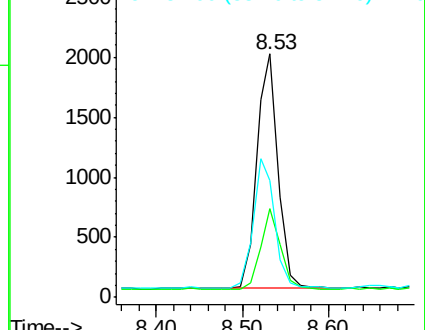
54 47.8 40.0 60.0



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.356 ng

RT: 11.74 min Scan# 763

Delta R.T. -0.00 min

Lab File: BE096819.D

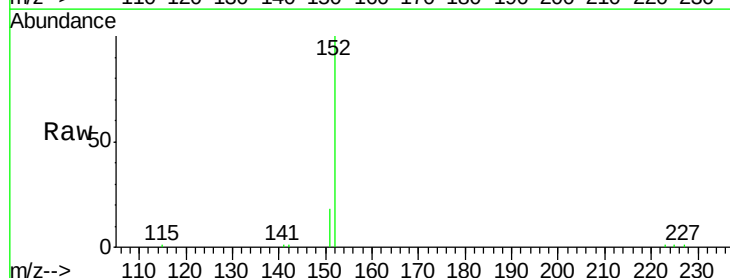
Acq: 18 Jun 2018 21:41

Tgt Ion: 152 Resp: 7716

Ion Ratio Lower Upper

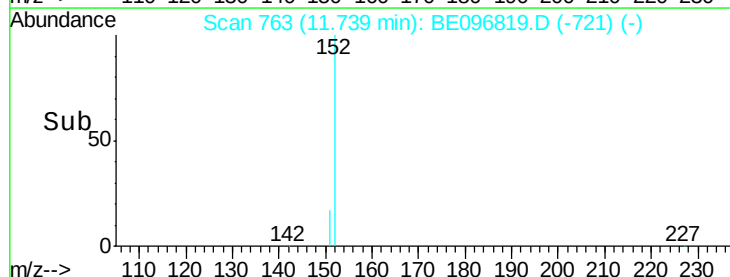
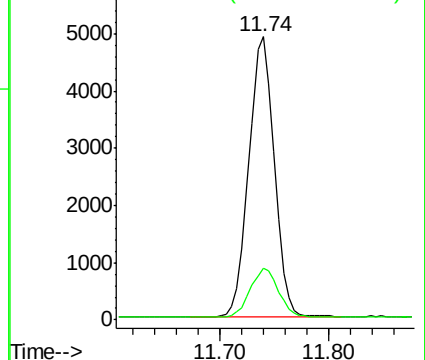
152 100

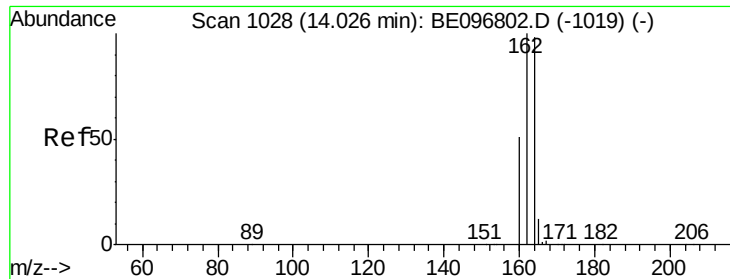
151 19.3 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): BE0

Ion 151.00 (150.70 to 151.70): BE0

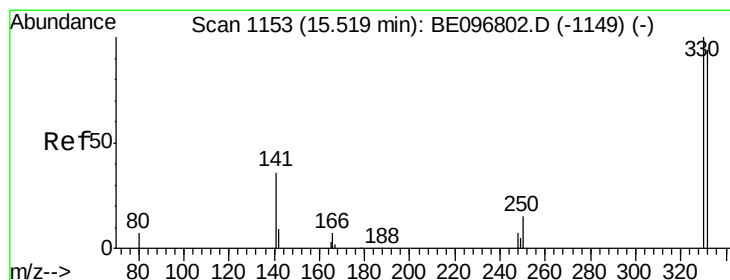
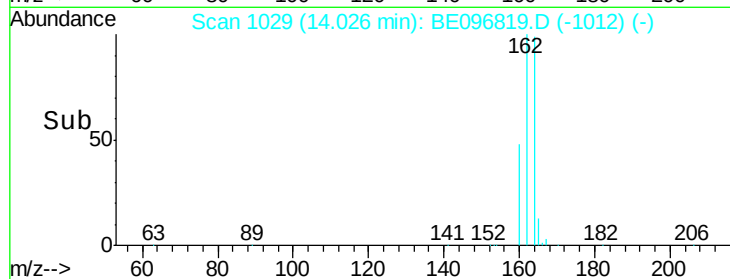
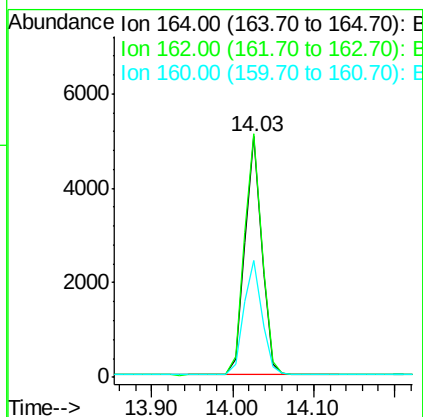
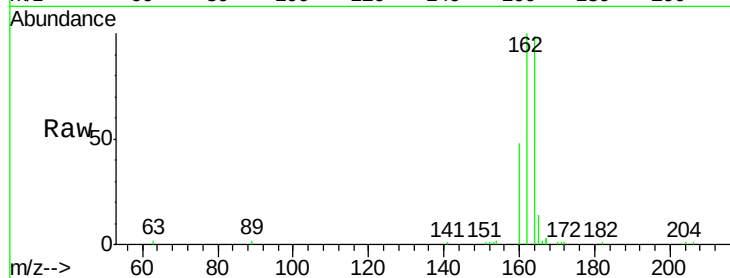




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.03 min Scan# 1029  
Delta R.T. 0.00 min  
Lab File: BE096819.D  
Acq: 18 Jun 2018 21:41

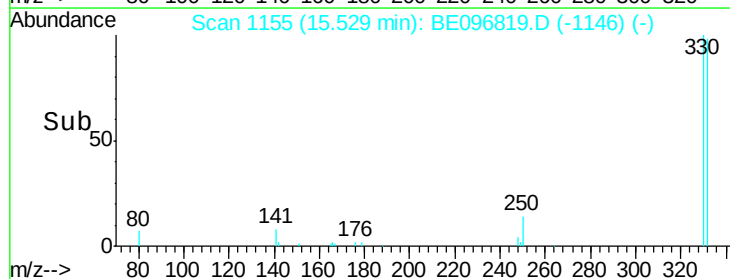
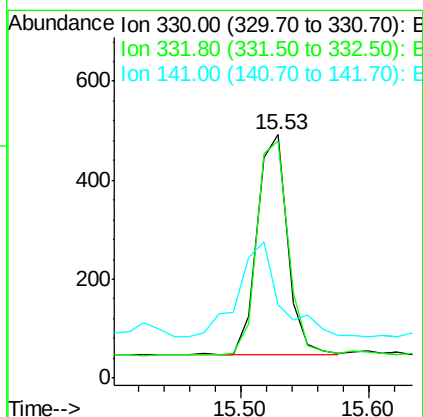
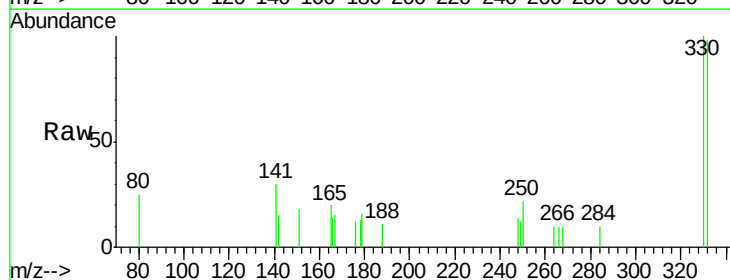
Instrument :  
BNA\_E  
ClientSampleId :

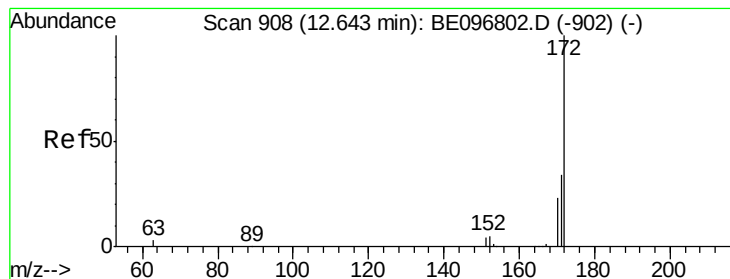
Tot Ion:164 Resp: 7314  
Ion Ratio Lower Upper  
164 100  
162 101.0 83.1 124.7  
160 48.7 37.1 55.7



#14  
2,4,6-Tribromophenol  
Concen: 0.467 ng  
RT: 15.53 min Scan# 1155  
Delta R.T. 0.01 min  
Lab File: BE096819.D  
Acq: 18 Jun 2018 21:41

Tgt Ion:330 Resp: 748  
Ion Ratio Lower Upper  
330 100  
332 99.6 152.7 229.1#  
141 58.2 33.7 50.5#

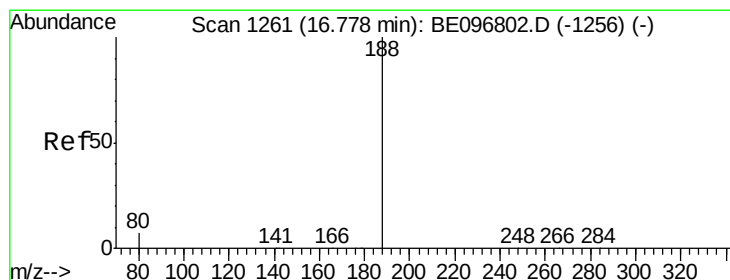
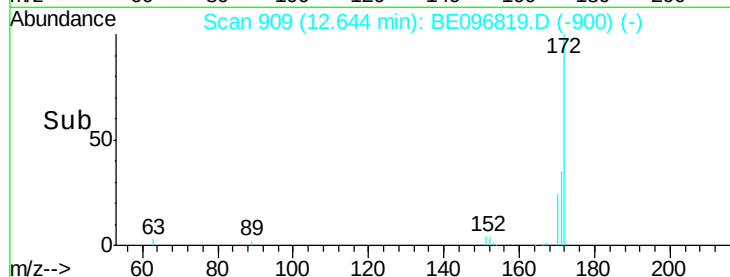
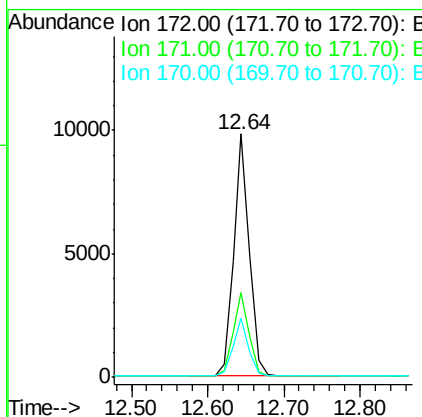
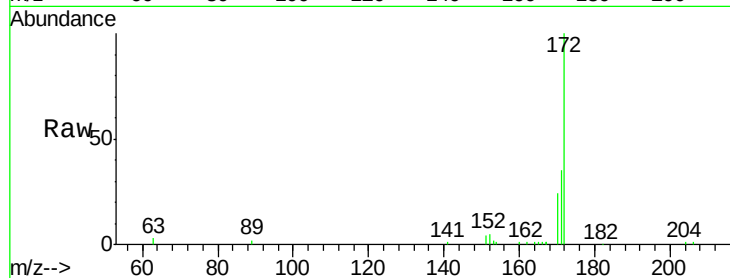




#15  
2-Fluorobiphenyl  
Concen: 0.472 ng  
RT: 12.64 min Scan# 909  
Delta R.T. 0.00 min  
Lab File: BE096819.D  
Acq: 18 Jun 2018 21:41

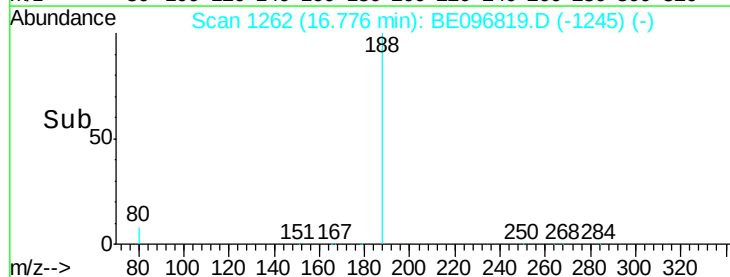
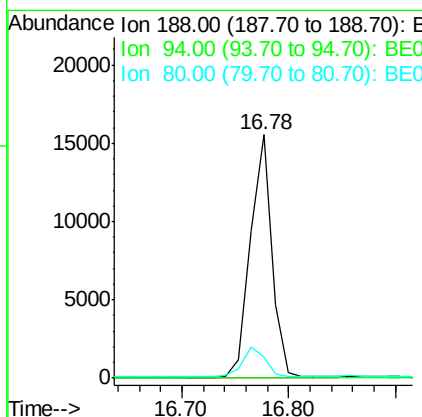
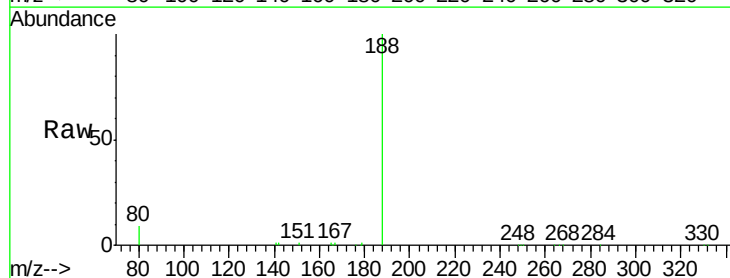
Instrument :  
BNA\_E  
ClientSampleId :

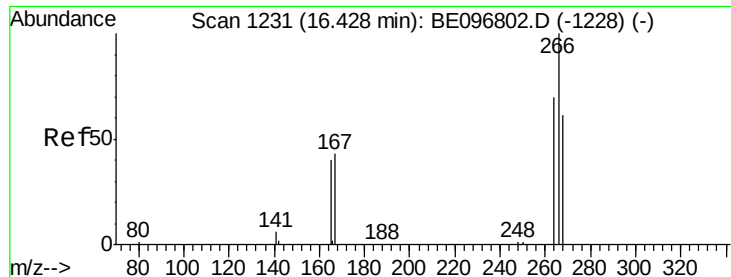
Tot Ion:172 Resp: 14201  
Ion Ratio Lower Upper  
172 100  
171 34.9 29.9 44.9  
170 24.2 21.8 32.8



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.78 min Scan# 1262  
Delta R.T. -0.00 min  
Lab File: BE096819.D  
Acq: 18 Jun 2018 21:41

Tgt Ion:188 Resp: 21782  
Ion Ratio Lower Upper  
188 100  
94 0.0 3.9 5.9#  
80 8.6 3.6 5.4#





#22

Pentachlorophenol

Concen: 0.101 ng

RT: 16.44 min Scan# 1233

Delta R.T. 0.01 min

Lab File: BE096819.D

Acq: 18 Jun 2018 21:41

Instrument :

BNA\_E

ClientSampleId :

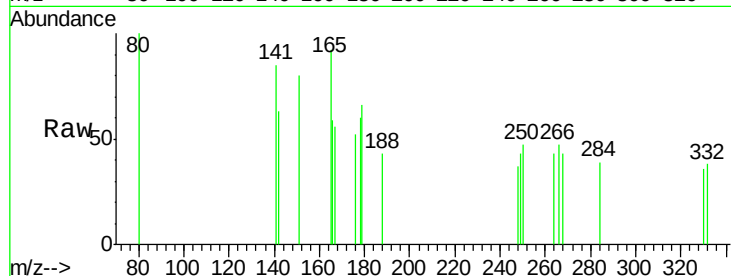
Tot Ion:266 Resp: 27

Ion Ratio Lower Upper

266 100

264 90.2 72.5 108.7

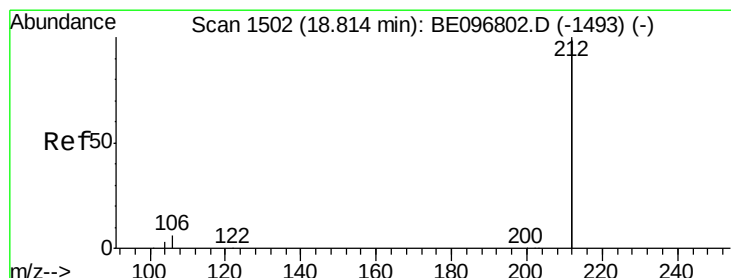
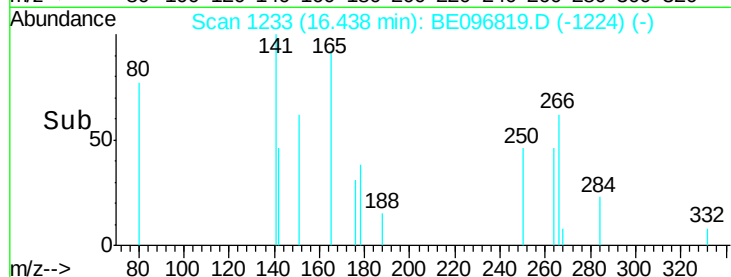
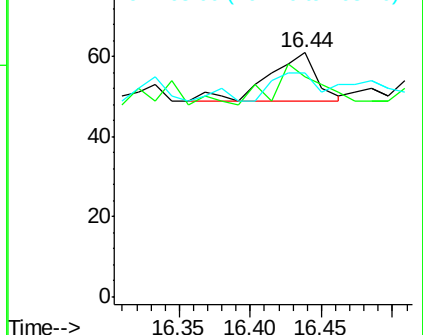
268 91.8 73.8 110.6



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: 0.481 ng

RT: 18.82 min Scan# 1504

Delta R.T. 0.00 min

Lab File: BE096819.D

Acq: 18 Jun 2018 21:41

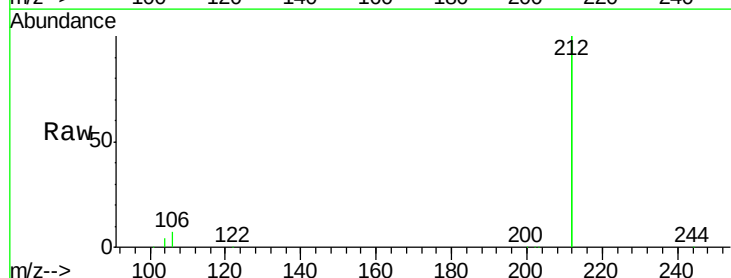
Tgt Ion:212 Resp: 102627

Ion Ratio Lower Upper

212 100

106 3.6 2.8 4.2

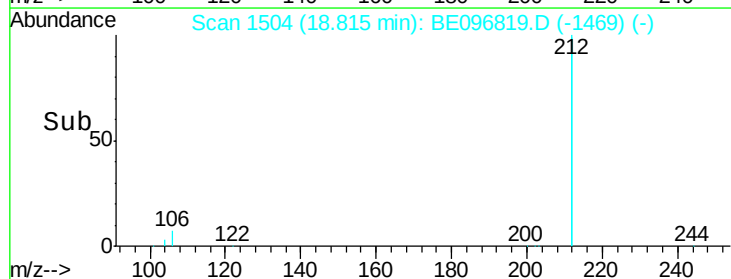
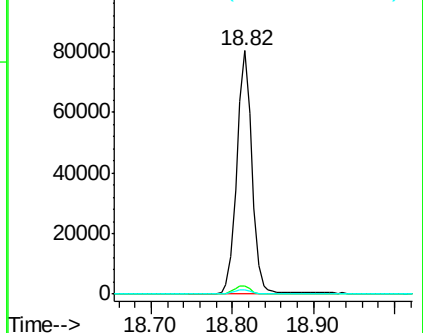
104 2.0 1.6 2.4



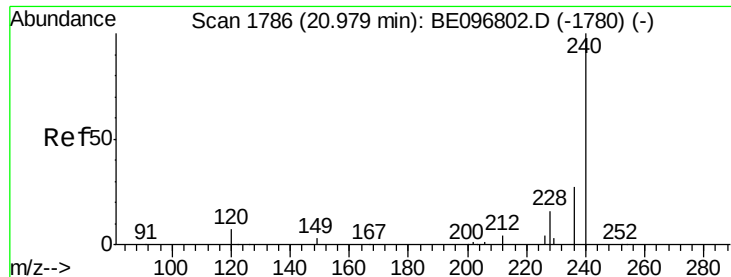
Abundance Ion 212.00 (211.70 to 212.70): E

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: BE096819.D

Acq: 18 Jun 2018 21:41

Instrument :

BNA\_E

ClientSampleId :

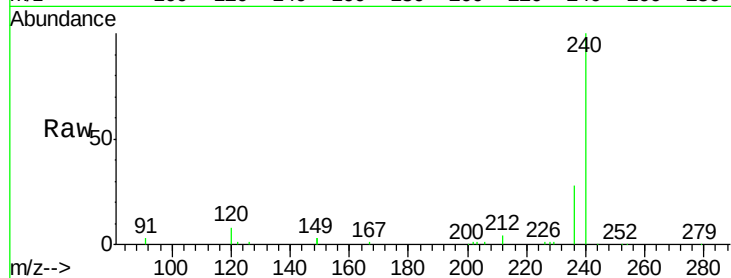
Tot Ion:240 Resp: 23993

Ion Ratio Lower Upper

240 100

120 7.7 5.5 8.3

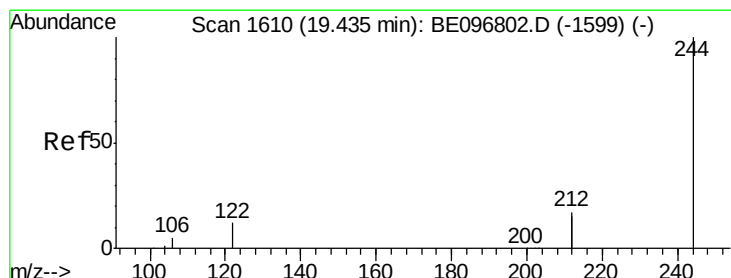
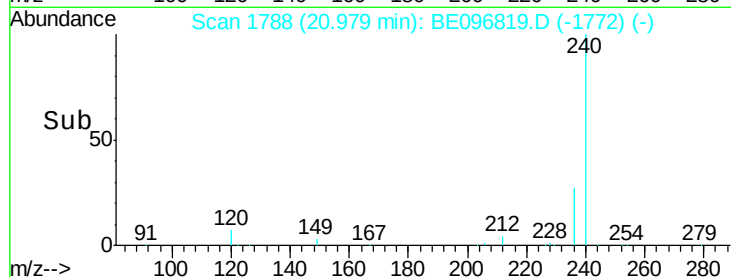
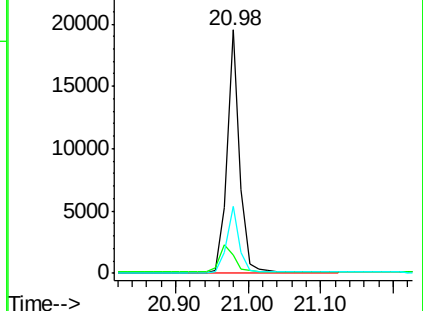
236 27.6 20.7 31.1



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: 0.519 ng

RT: 19.44 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE096819.D

Acq: 18 Jun 2018 21:41

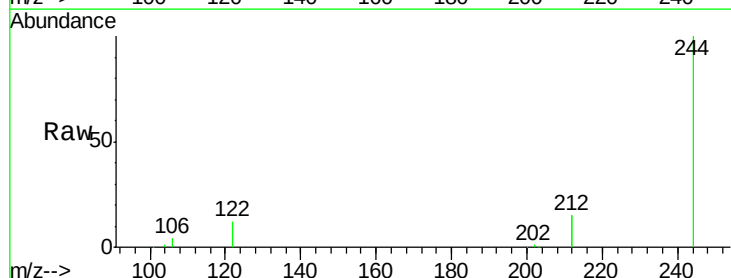
Tgt Ion:244 Resp: 28204

Ion Ratio Lower Upper

244 100

212 30.9 25.4 38.0

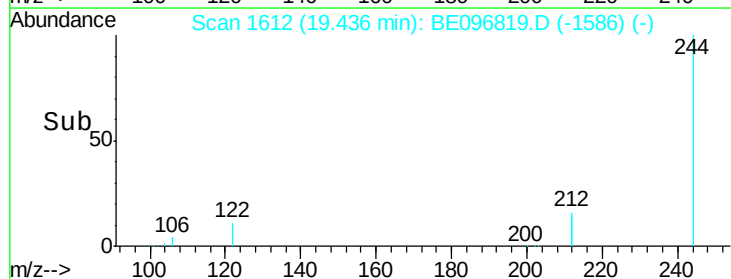
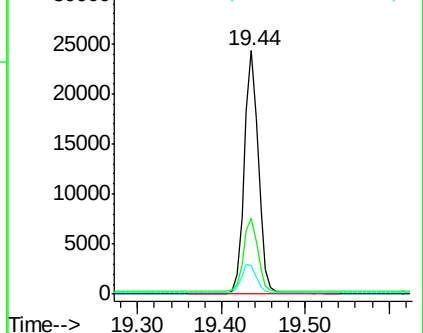
122 11.8 8.1 12.1

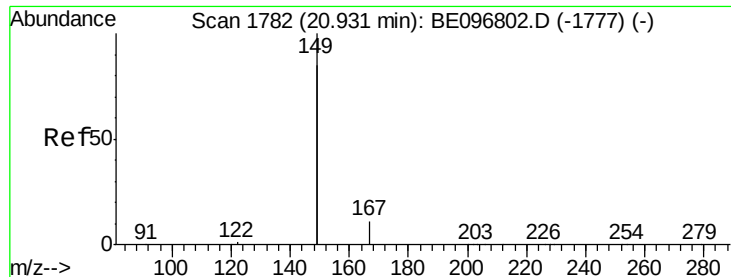


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

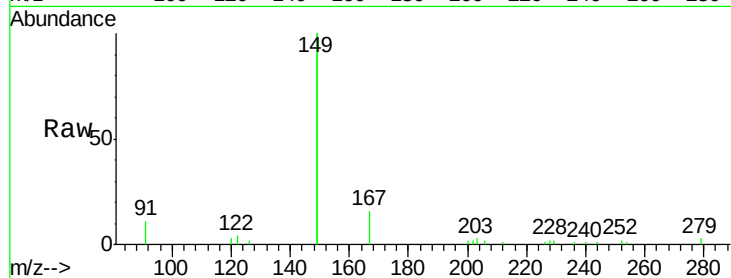




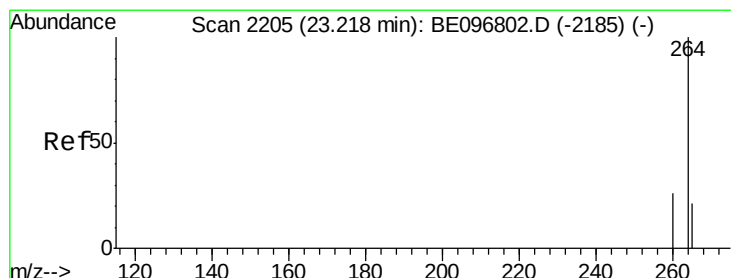
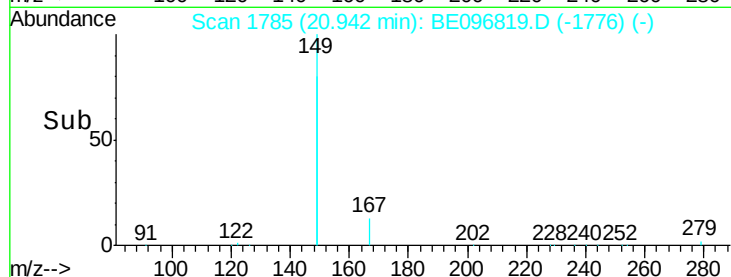
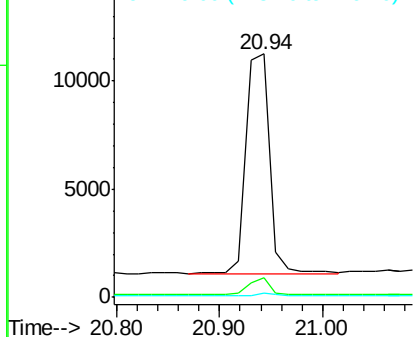
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.377 ng  
 RT: 20.94 min Scan# 1785  
 Delta R.T. 0.01 min  
 Lab File: BE096819.D  
 Acq: 18 Jun 2018 21:41

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:149 Resp: 16485  
 Ion Ratio Lower Upper  
 149 100  
 167 6.4 5.4 8.0  
 279 1.0 0.7 1.1

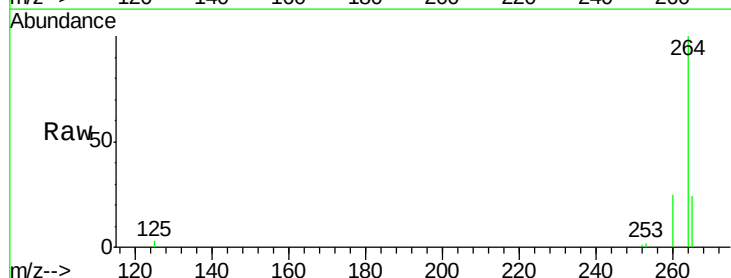


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

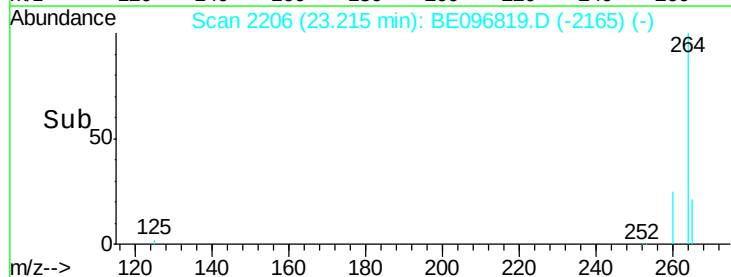
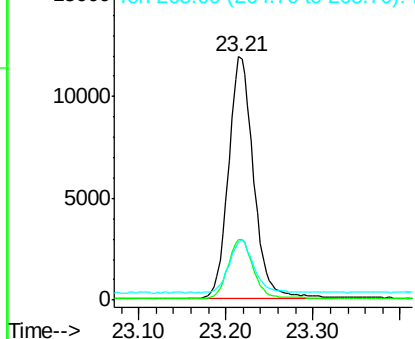


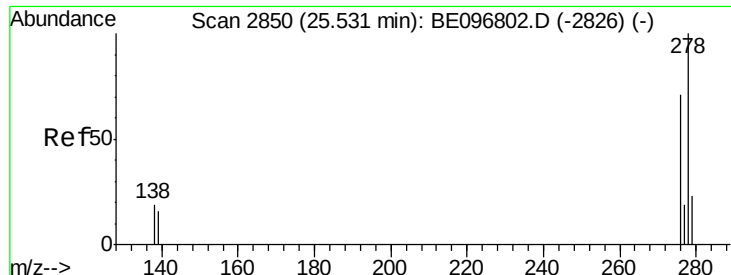
#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.21 min Scan# 2206  
 Delta R.T. -0.00 min  
 Lab File: BE096819.D  
 Acq: 18 Jun 2018 21:41

Tgt Ion:264 Resp: 23926  
 Ion Ratio Lower Upper  
 264 100  
 260 25.1 20.5 30.7  
 265 24.1 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





#38

Dibenzo(a,h)anthracene

Concen: 0.077 ng

RT: 25.52 min Scan# 2848

Delta R.T. -0.01 min

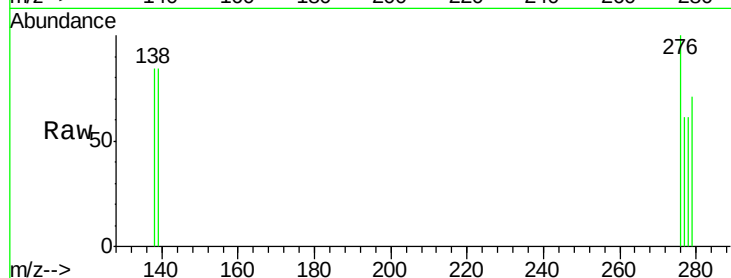
Lab File: BE096819.D

Acq: 18 Jun 2018 21:41

Instrument :

BNA\_E

ClientSampleId :



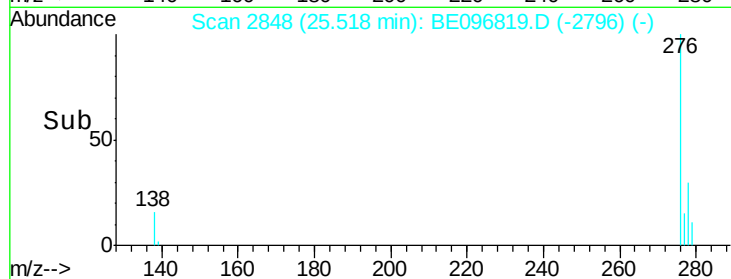
Tot Ion: 278 Resp: 8

Ion Ratio Lower Upper

278 100

139 137.8 16.0 24.0#

279 117.6 20.0 30.0#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

