

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\  
 Data File : BE096906.D  
 Acq On : 13 Jul 2018 14:47  
 Operator : SJ/JU  
 Sample : J3170-04  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Jul 13 17:04:18 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 13 17:02:57 2018  
 Response via : Initial Calibration

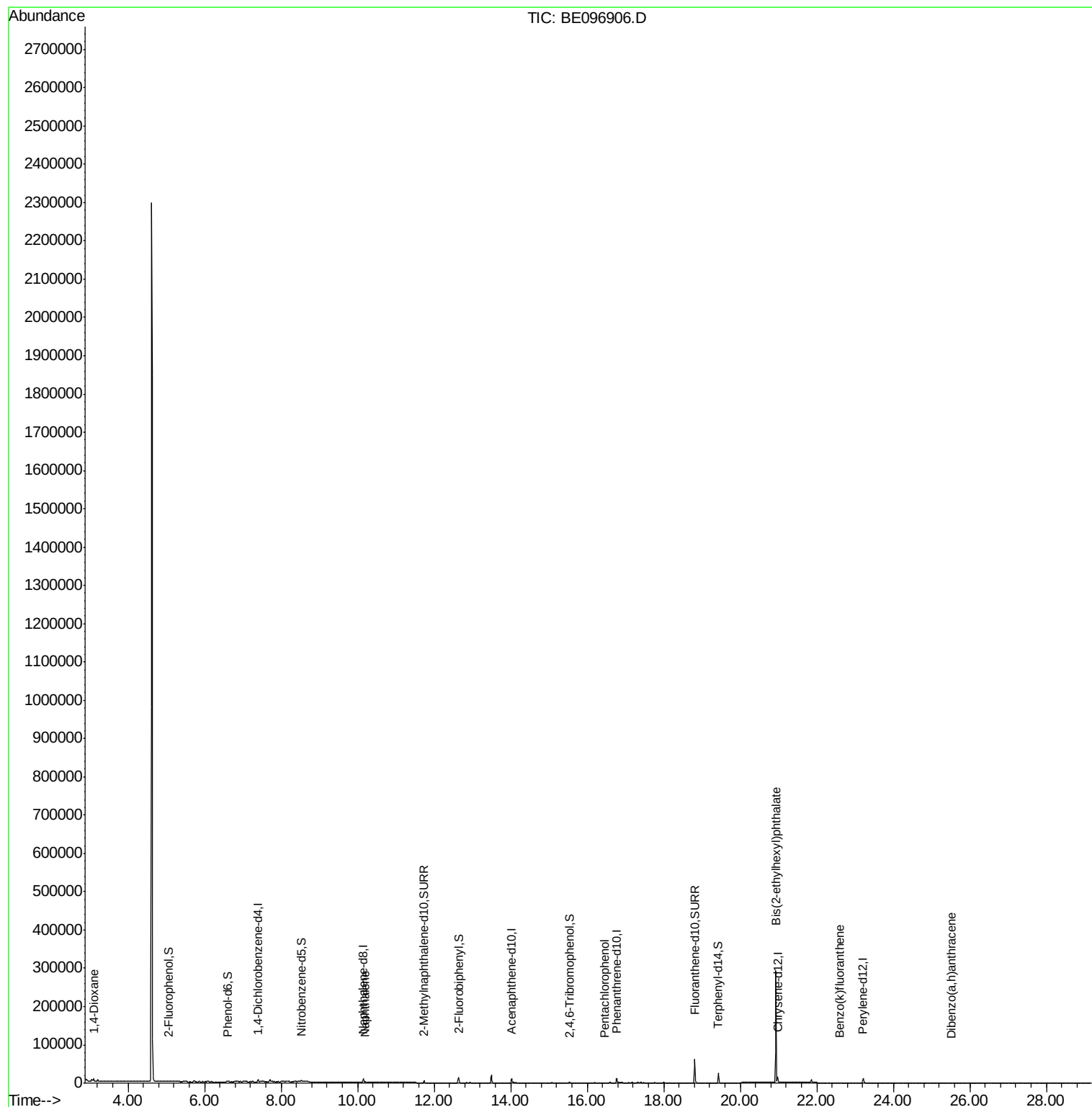
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.40  | 152  | 2349     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.15 | 136  | 11665    | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.03 | 164  | 6783     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 16.78 | 188  | 17946    | 0.40  | ng    | 0.01     |
| 27) Chrysene-d12               | 20.98 | 240  | 16145    | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.21 | 264  | 15829    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.05  | 112  | 495      | 0.09  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.60  | 99   | 770      | 0.10  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.53  | 82   | 3536     | 0.50  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 11.73 | 152  | 7774     | 0.46  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.53 | 330  | 449      | 0.35  | ng    | 0.01     |
| 15) 2-Fluorobiphenyl           | 12.64 | 172  | 13184    | 0.53  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 18.81 | 212  | 82309    | 0.52  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.43 | 244  | 21007    | 0.67  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                 | 3.09  | 88   | 3903     | 1.109 | ng    | 91       |
| 9) Naphthalene                 | 10.20 | 128  | 3749     | 0.035 | ng    | # 95     |
| 22) Pentachlorophenol          | 16.45 | 266  | 22       | 0.051 | ng    | 91       |
| 32) Bis(2-ethylhexyl)phthalate | 20.93 | 149  | 286939   | 8.955 | ng    | 100      |
| 36) Benzo(k)fluoranthene       | 22.59 | 252  | 75       | 0.085 | ng    | # 1      |
| 38) Dibenzo(a,h)anthracene     | 25.52 | 278  | 21       | 0.110 | ng    | # 1      |

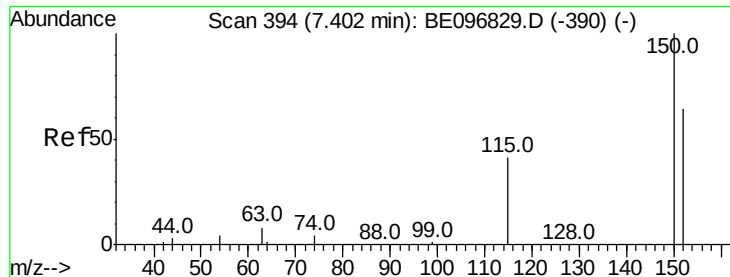
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_E  
ClientSampleId :

Quant Time: Jul 13 17:04:18 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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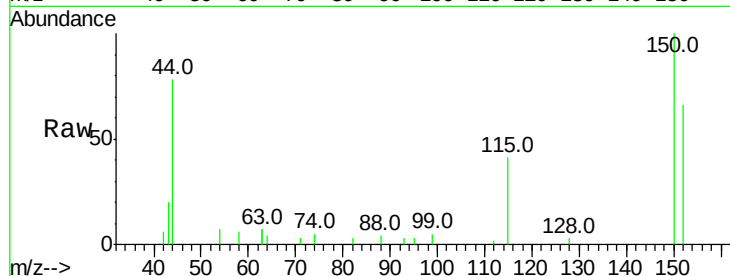


#1

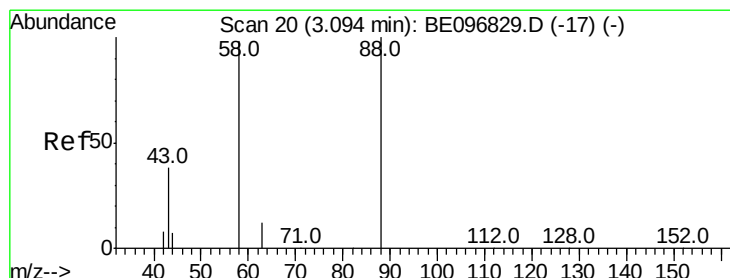
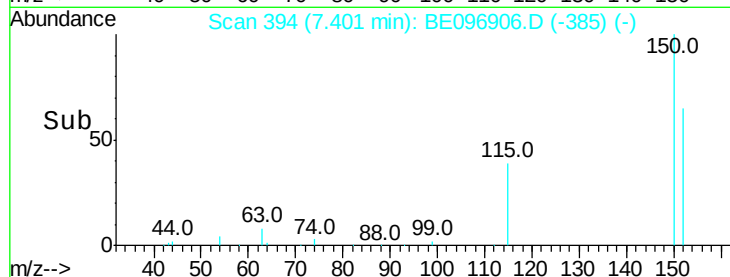
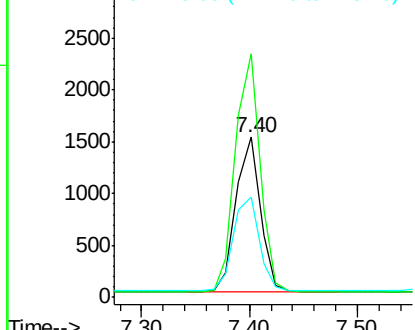
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.40 min Scan# 394  
Delta R.T. 0.01 min  
Lab File: BE096906.D  
Acq: 13 Jul 2018 14:47

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 2349  
Ion Ratio Lower Upper  
152 100  
150 152.2 117.2 175.8  
115 62.4 57.0 85.6



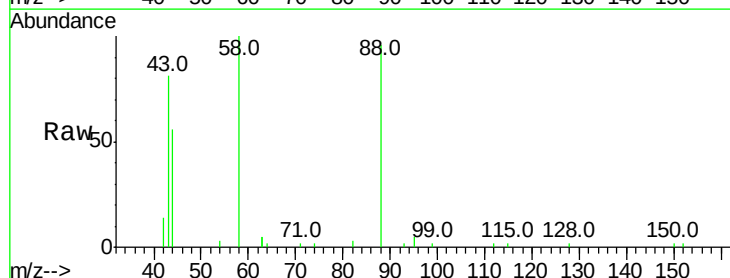
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



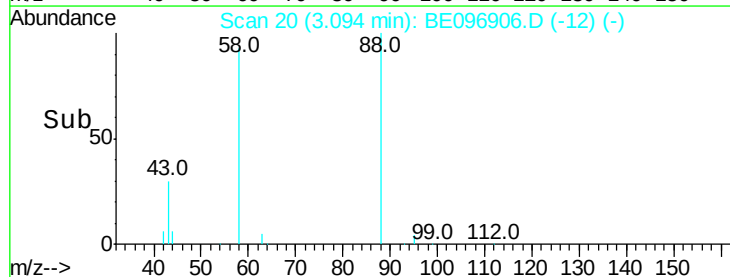
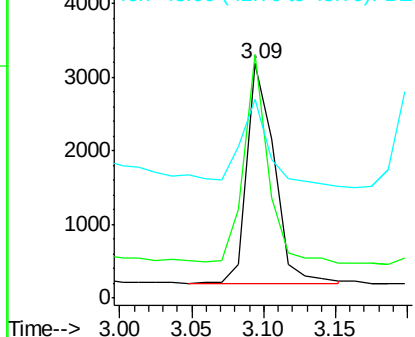
#2

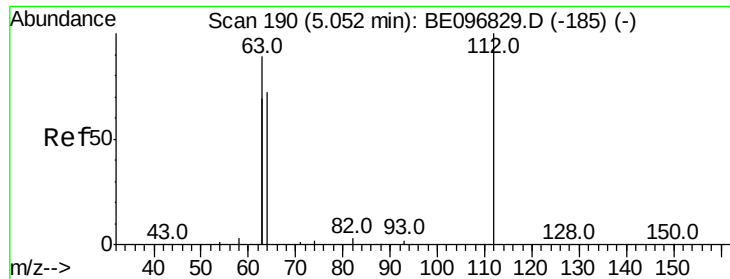
1,4-Dioxane  
Concen: 1.109 ng  
RT: 3.09 min Scan# 20  
Delta R.T. -0.00 min  
Lab File: BE096906.D  
Acq: 13 Jul 2018 14:47

Tgt Ion: 88 Resp: 3903  
Ion Ratio Lower Upper  
88 100  
58 84.0 63.2 94.8  
43 41.5 41.2 61.8



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: 0.094 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE096906.D

Acq: 13 Jul 2018 14:47

Instrument :

BNA\_E

ClientSampled :

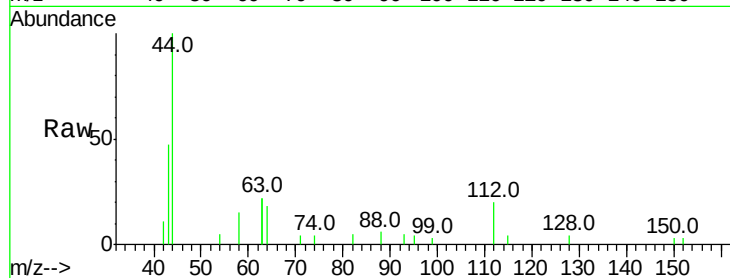
Tot Ion: 112 Resp: 495

Ion Ratio Lower Upper

112 100

64 73.1 60.1 90.1

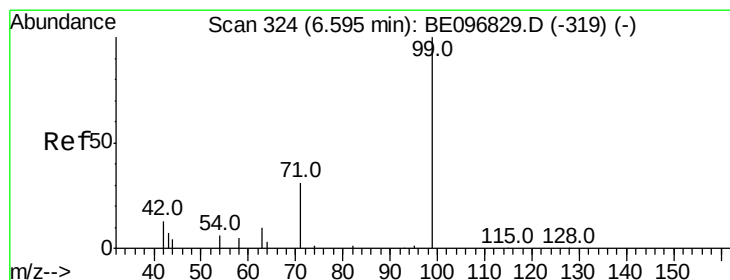
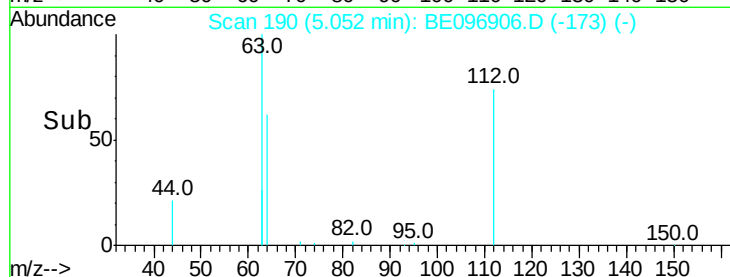
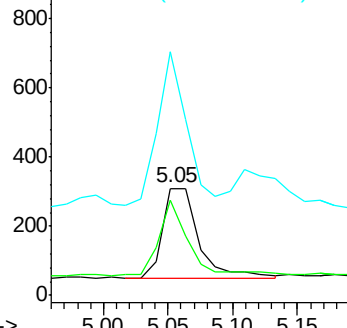
63 146.1 116.8 175.2



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: 0.098 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.01 min

Lab File: BE096906.D

Acq: 13 Jul 2018 14:47

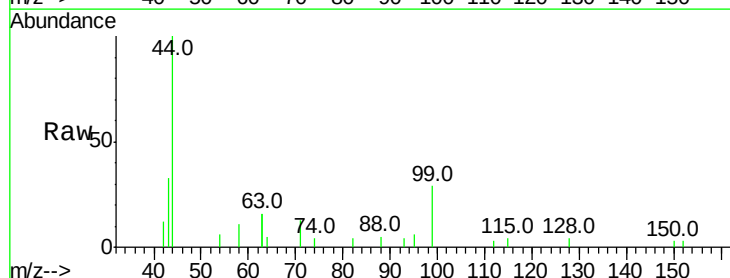
Tgt Ion: 99 Resp: 770

Ion Ratio Lower Upper

99 100

42 35.3 20.2 30.2#

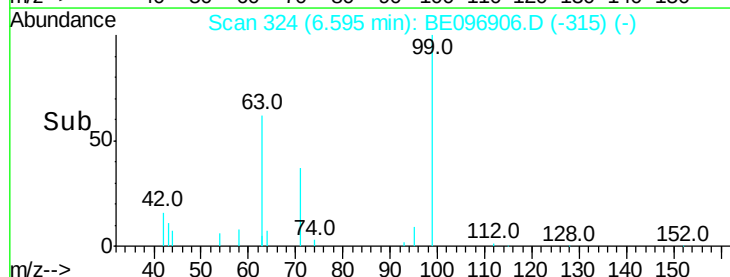
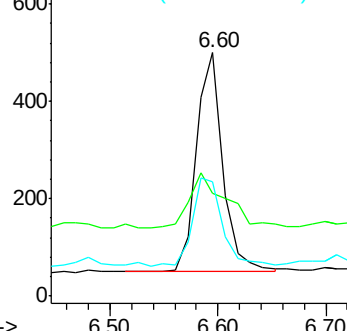
71 45.5 28.4 42.6#

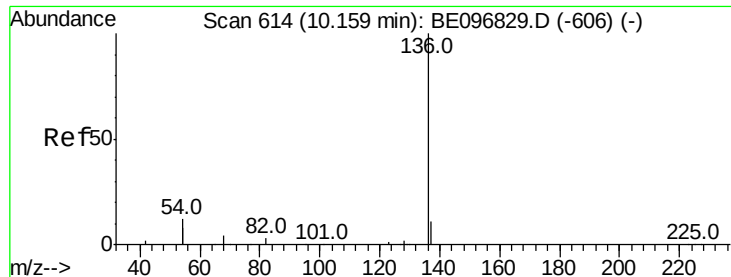


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE096906.D

Acq: 13 Jul 2018 14:47

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:136 Resp: 11665

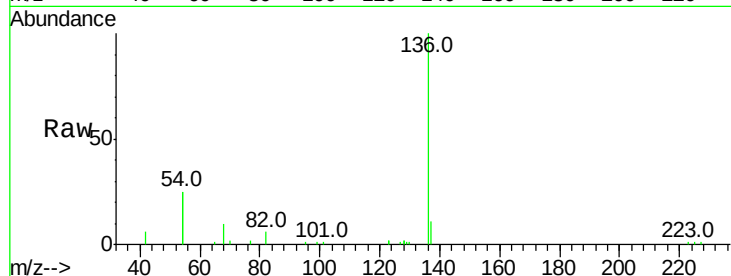
Ion Ratio Lower Upper

136 100

137 11.4 9.5 14.3

54 49.5 29.1 43.7#

68 9.6 6.2 9.2#

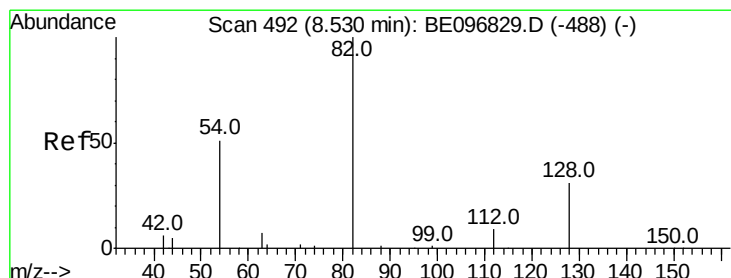
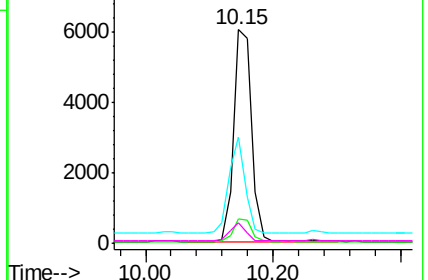
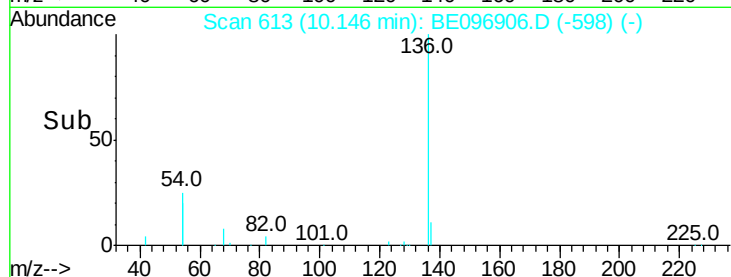


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.501 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE096906.D

Acq: 13 Jul 2018 14:47

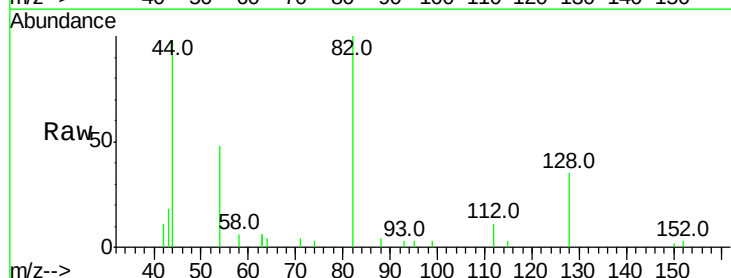
Tgt Ion: 82 Resp: 3536

Ion Ratio Lower Upper

82 100

128 35.2 24.0 36.0

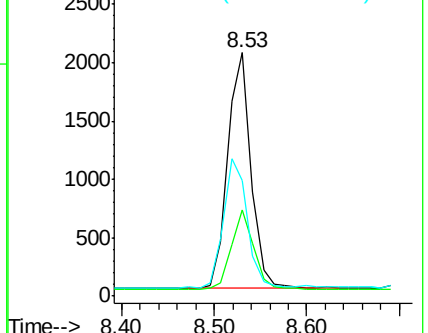
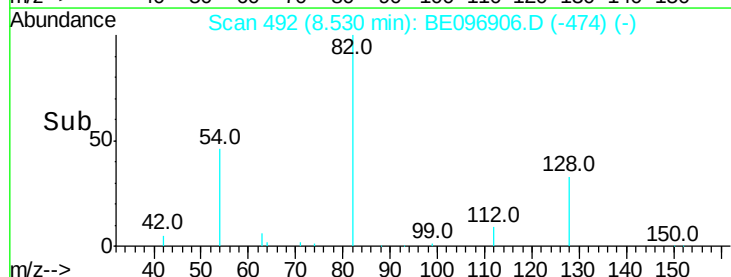
54 47.7 40.0 60.0

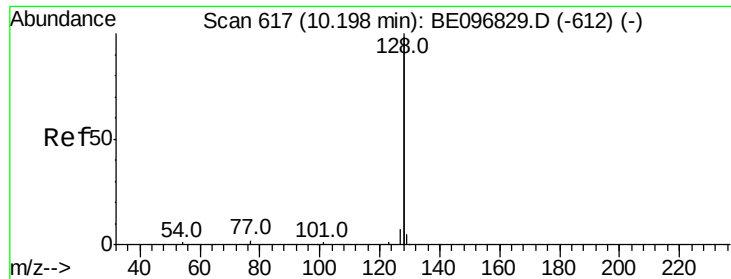


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.035 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE096906.D

Acq: 13 Jul 2018 14:47

Instrument :

BNA\_E

ClientSampleId :

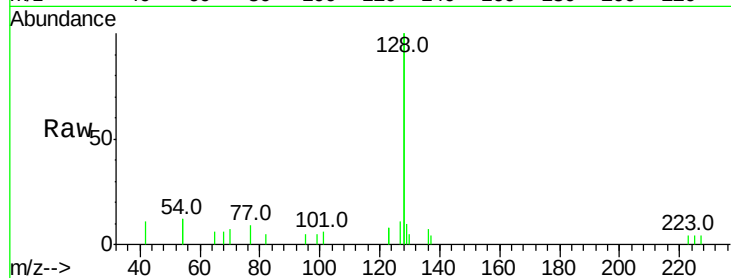
Tot Ion:128 Resp: 3749

Ion Ratio Lower Upper

128 100

129 4.9 2.6 3.8#

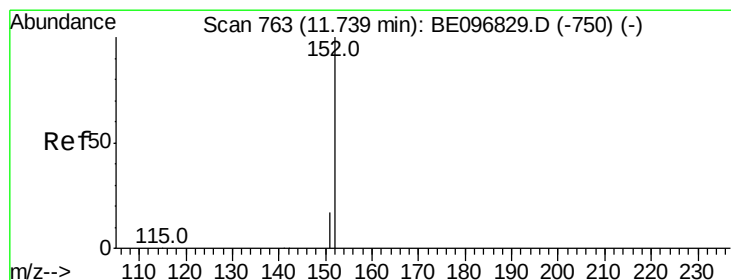
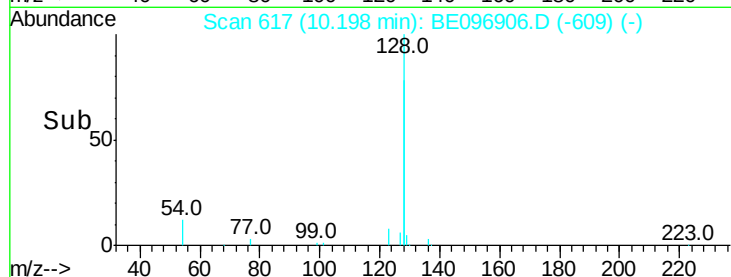
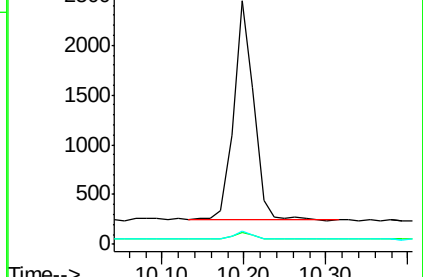
127 5.3 2.8 4.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.463 ng

RT: 11.73 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE096906.D

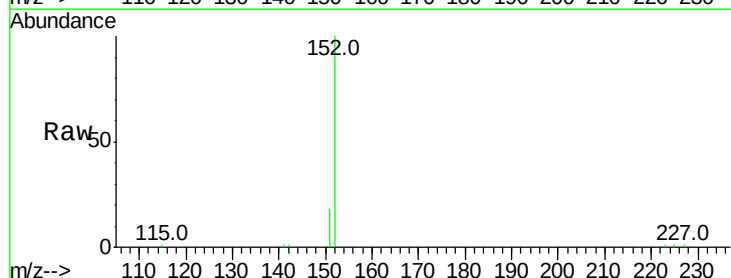
Acq: 13 Jul 2018 14:47

Tgt Ion:152 Resp: 7774

Ion Ratio Lower Upper

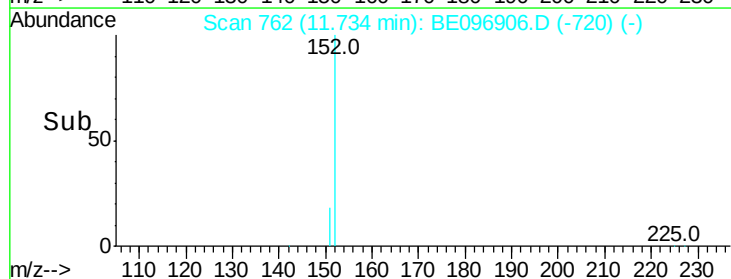
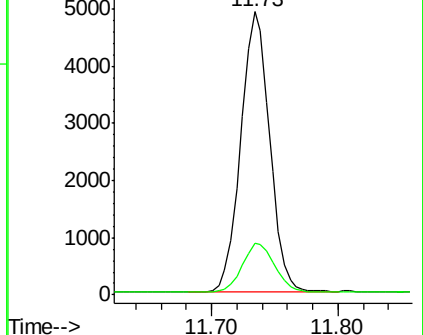
152 100

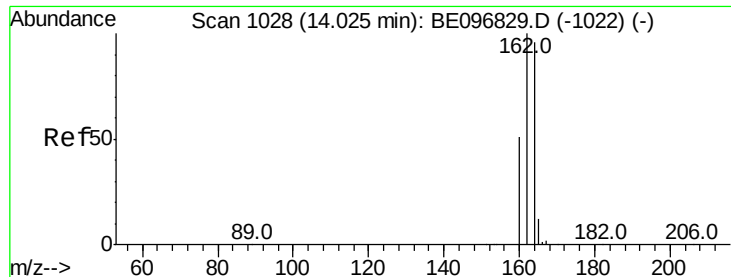
151 19.6 15.4 23.0



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: 14.03 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BE096906.D

Acq: 13 Jul 2018 14:47

Instrument :

BNA\_E

ClientSampleId :

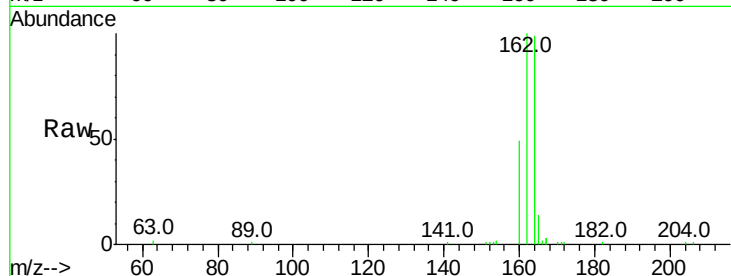
Tot Ion:164 Resp: 6783

Ion Ratio Lower Upper

164 100

162 101.4 83.1 124.7

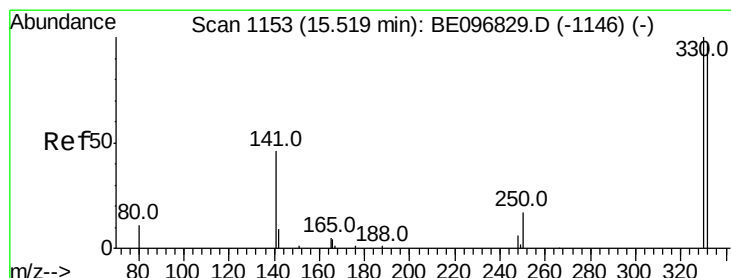
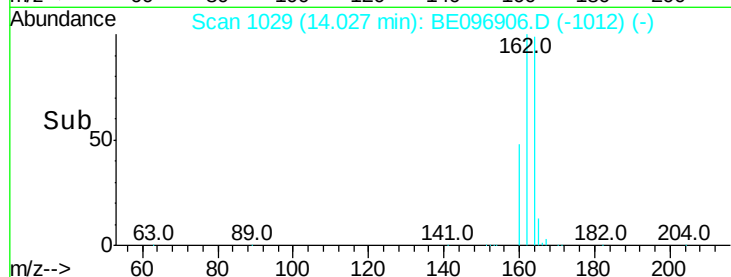
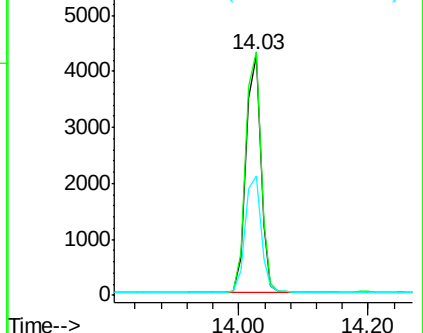
160 49.6 37.1 55.7



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: 0.354 ng

RT: 15.53 min Scan# 1155

Delta R.T. 0.01 min

Lab File: BE096906.D

Acq: 13 Jul 2018 14:47

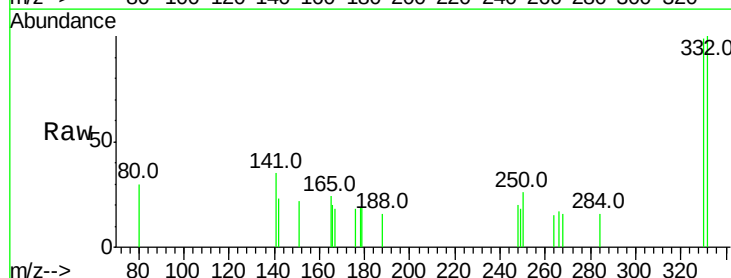
Tgt Ion:330 Resp: 449

Ion Ratio Lower Upper

330 100

332 100.2 152.7 229.1#

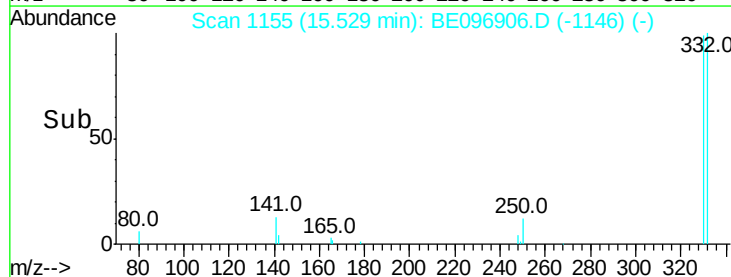
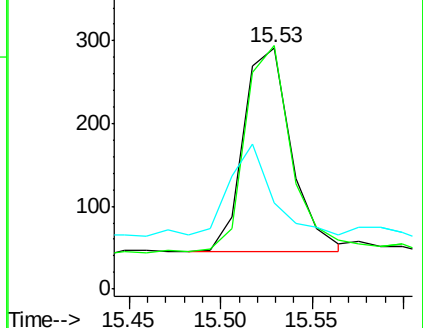
141 42.3 33.7 50.5

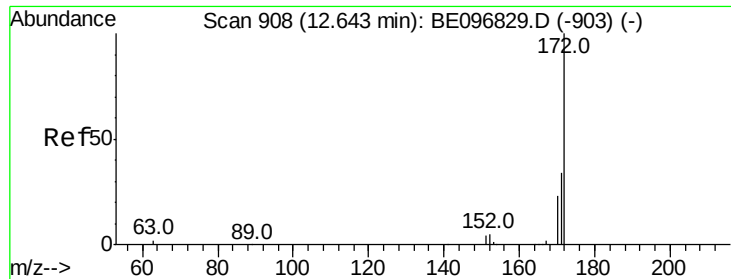


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

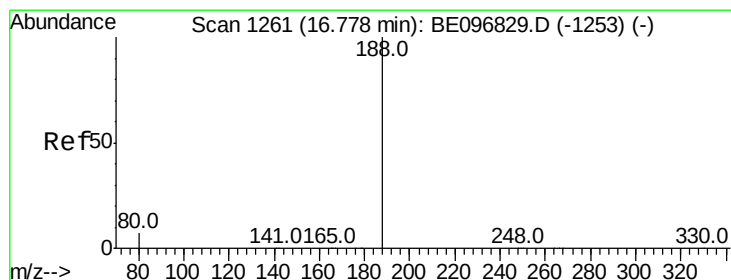
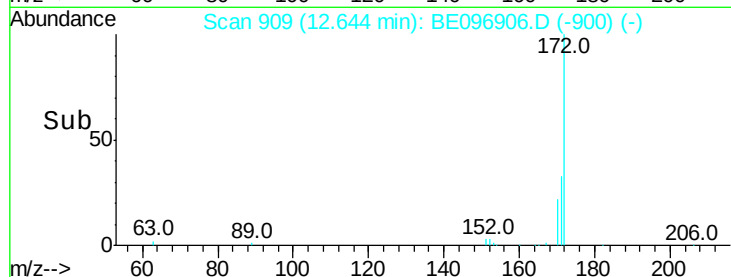
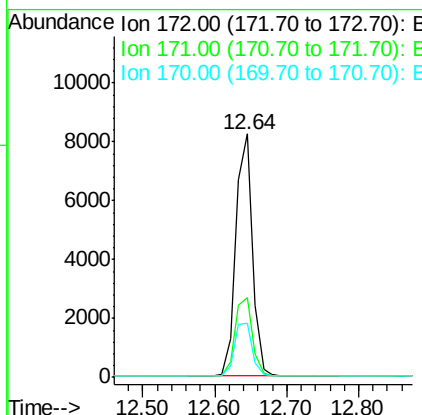
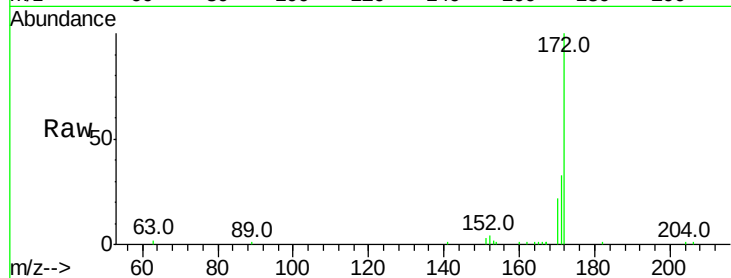




#15  
2-Fluorobiphenyl  
Concen: 0.531 ng  
RT: 12.64 min Scan# 909  
Delta R.T. 0.00 min  
Lab File: BE096906.D  
Acq: 13 Jul 2018 14:47

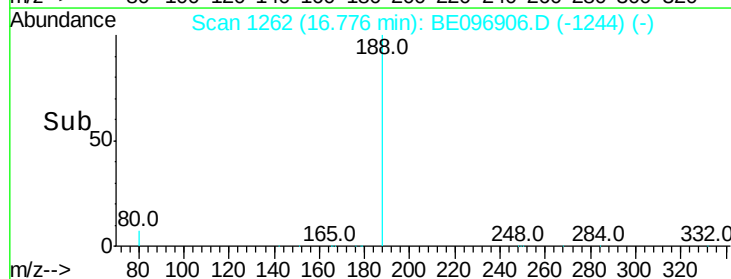
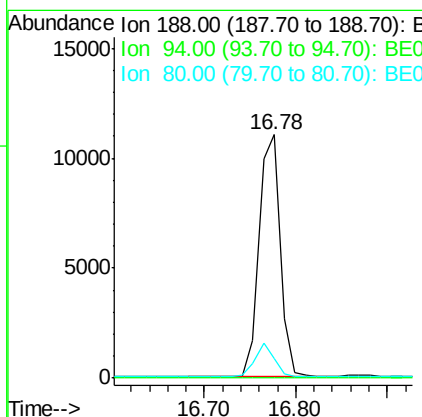
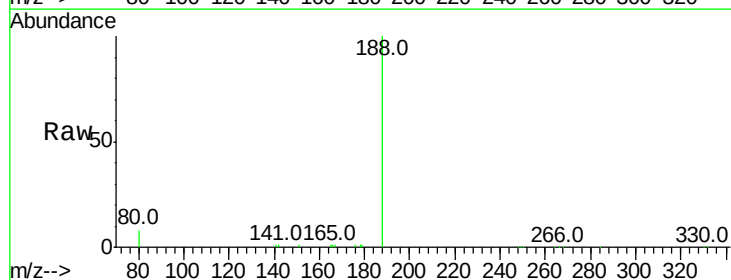
Instrument :  
BNA\_E  
ClientSampled :

Tot Ion:172 Resp: 13184  
Ion Ratio Lower Upper  
172 100  
171 32.9 29.9 44.9  
170 22.2 21.8 32.8

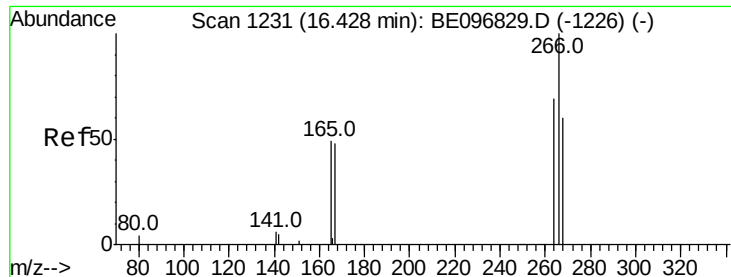


#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.78 min Scan# 1262  
Delta R.T. 0.01 min  
Lab File: BE096906.D  
Acq: 13 Jul 2018 14:47

Tgt Ion:188 Resp: 17946  
Ion Ratio Lower Upper  
188 100  
94 0.0 3.9 5.9#  
80 7.9 3.6 5.4#



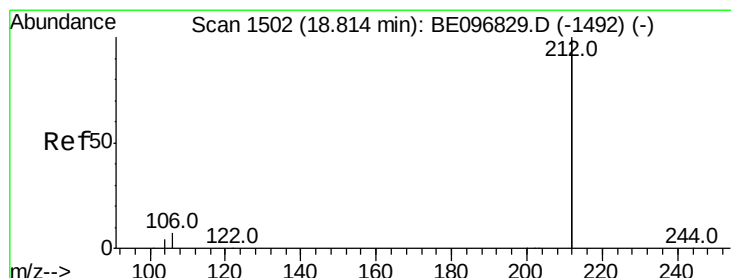
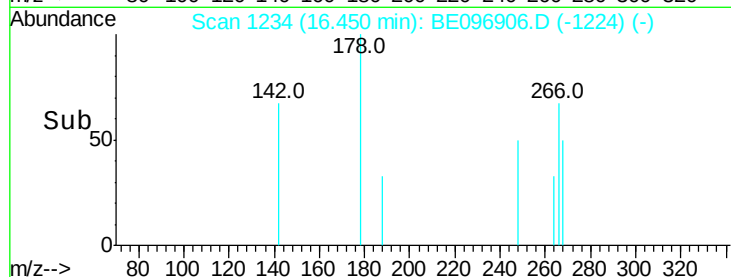
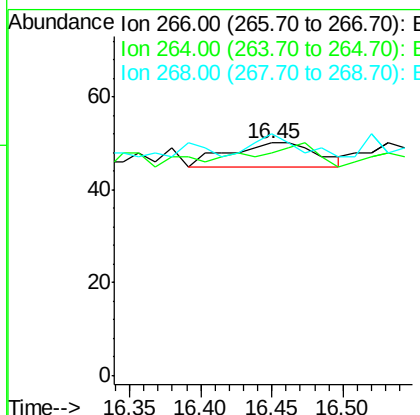
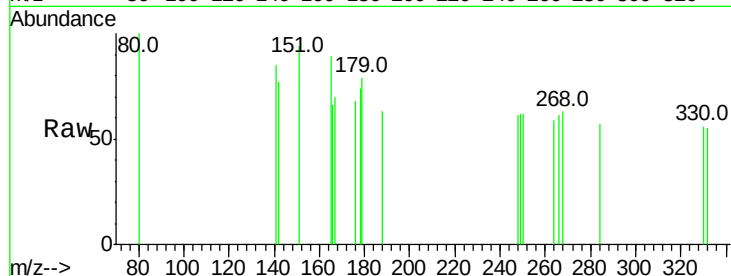




#22  
 Pentachlorophenol  
 Concen: 0.051 ng  
 RT: 16.45 min Scan# 1234  
 Delta R.T. 0.02 min  
 Lab File: BE096906.D  
 Acq: 13 Jul 2018 14:47

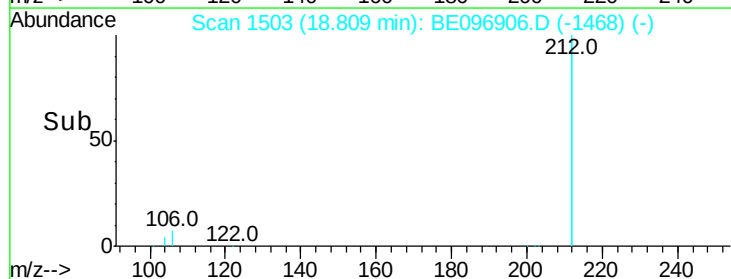
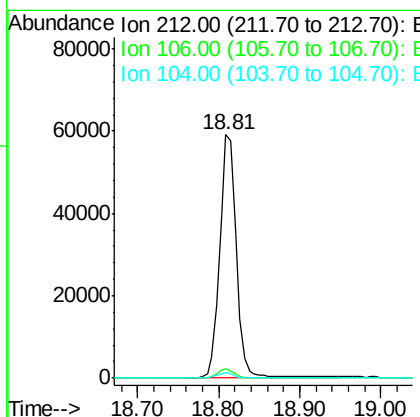
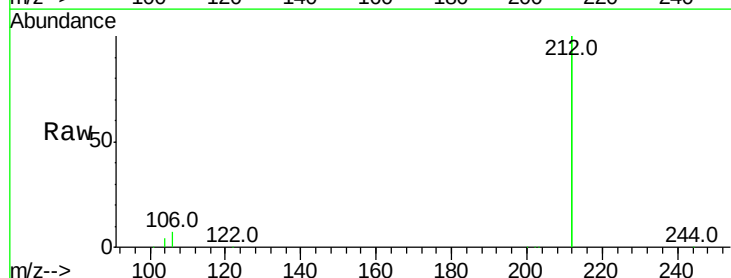
Instrument :  
 BNA\_E  
 ClientSampled :

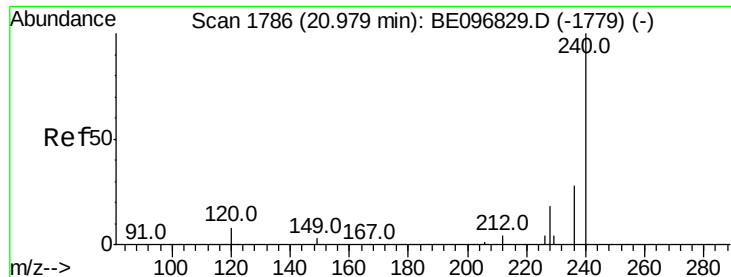
Tot Ion:266 Resp: 22  
 Ion Ratio Lower Upper  
 266 100  
 264 96.0 72.5 108.7  
 268 104.0 73.8 110.6



#25  
 Fluoranthene-d10  
 Concen: 0.521 ng  
 RT: 18.81 min Scan# 1503  
 Delta R.T. -0.00 min  
 Lab File: BE096906.D  
 Acq: 13 Jul 2018 14:47

Tgt Ion:212 Resp: 82309  
 Ion Ratio Lower Upper  
 212 100  
 106 3.6 2.8 4.2  
 104 1.9 1.6 2.4





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BE096906.D

Acq: 13 Jul 2018 14:47

Instrument :

BNA\_E

ClientSampleId :

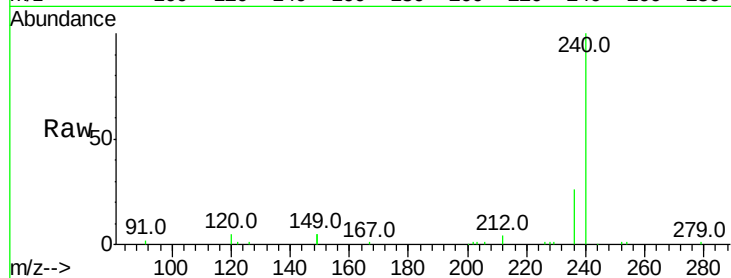
Tot Ion:240 Resp: 16145

Ion Ratio Lower Upper

240 100

120 4.7 5.5 8.3#

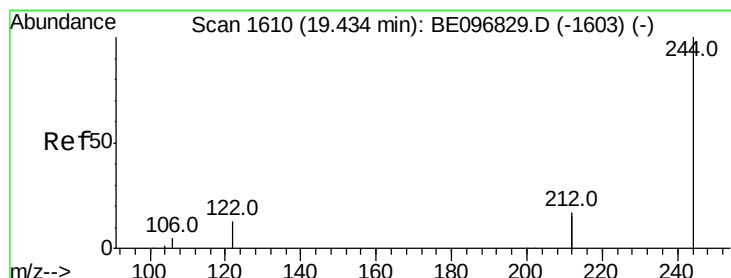
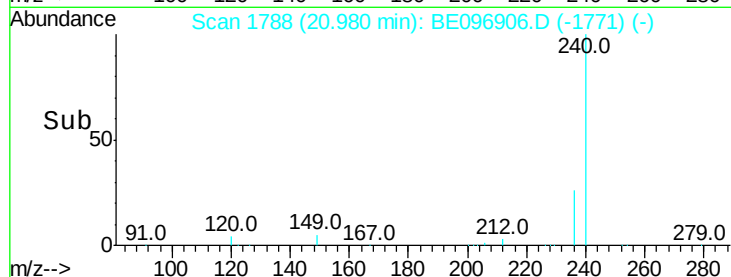
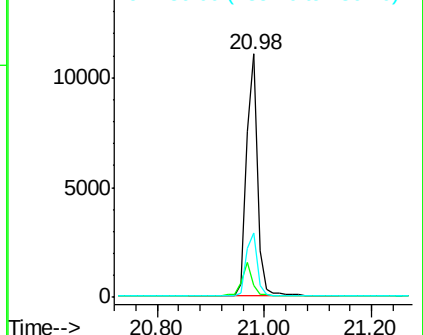
236 26.4 20.7 31.1



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: 0.674 ng

RT: 19.43 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BE096906.D

Acq: 13 Jul 2018 14:47

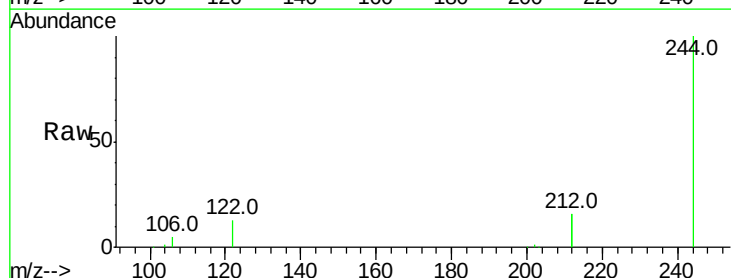
Tgt Ion:244 Resp: 21007

Ion Ratio Lower Upper

244 100

212 32.6 25.4 38.0

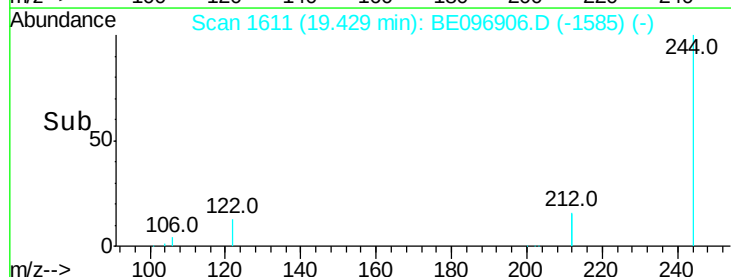
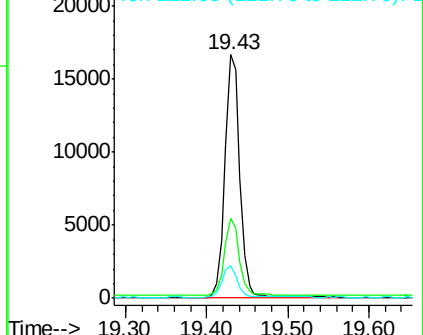
122 13.5 8.1 12.1#

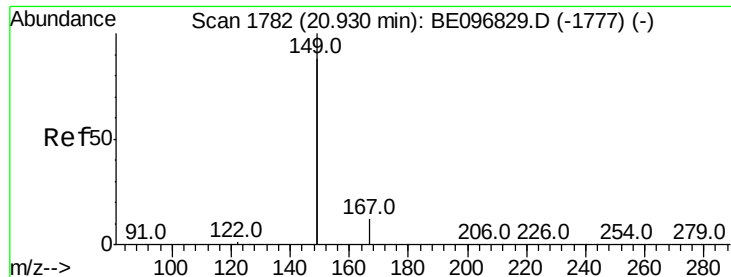


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

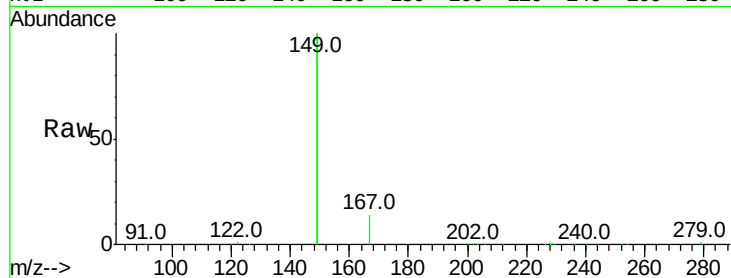




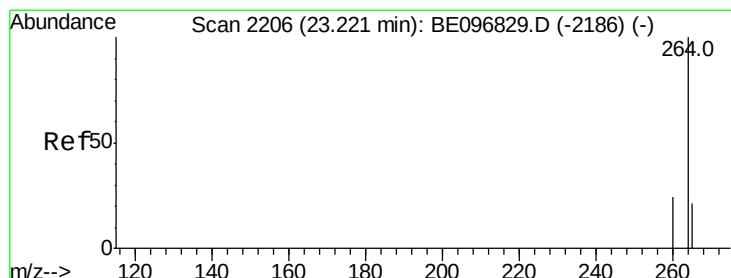
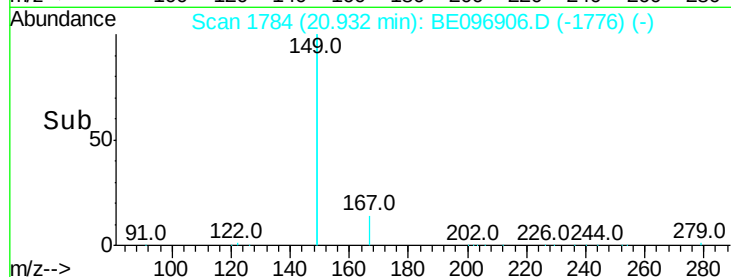
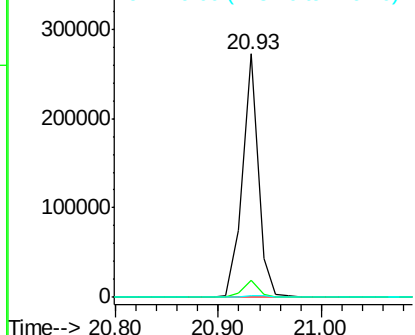
#32  
 Bis(2-ethylhexyl)phthalate  
 Concen: 8.955 ng  
 RT: 20.93 min Scan# 1784  
 Delta R.T. 0.00 min  
 Lab File: BE096906.D  
 Acq: 13 Jul 2018 14:47

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:149 Resp: 286939  
 Ion Ratio Lower Upper  
 149 100  
 167 6.7 5.4 8.0  
 279 0.8 0.7 1.1

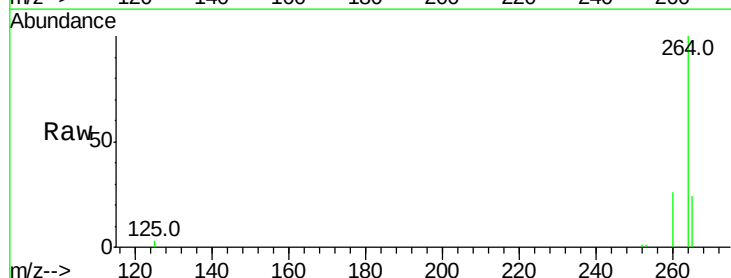


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

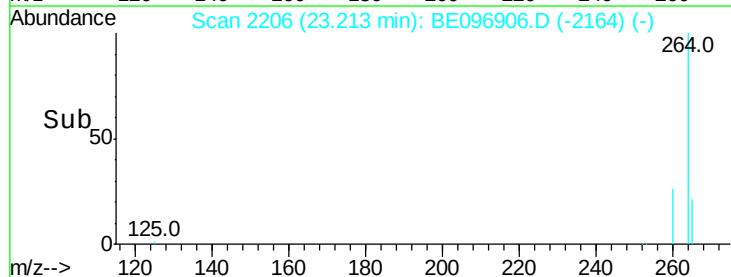
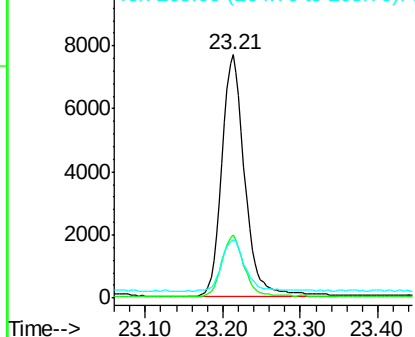


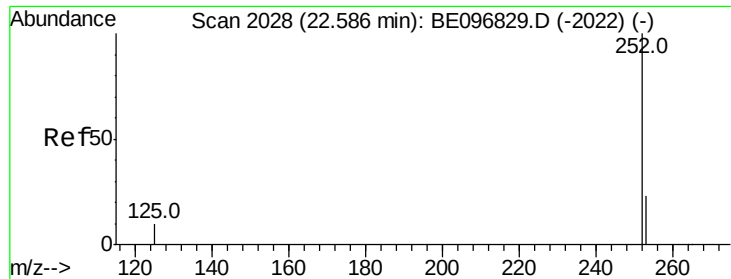
#34  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.21 min Scan# 2206  
 Delta R.T. -0.00 min  
 Lab File: BE096906.D  
 Acq: 13 Jul 2018 14:47

Tgt Ion:264 Resp: 15829  
 Ion Ratio Lower Upper  
 264 100  
 260 26.0 20.5 30.7  
 265 23.8 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

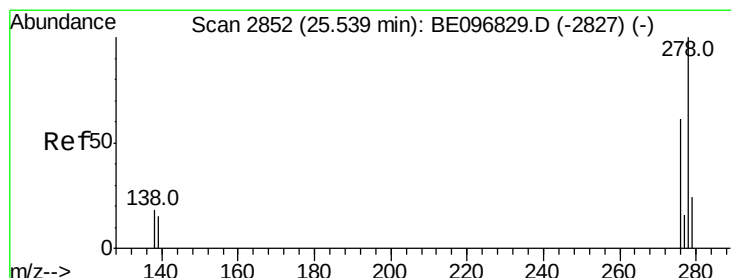
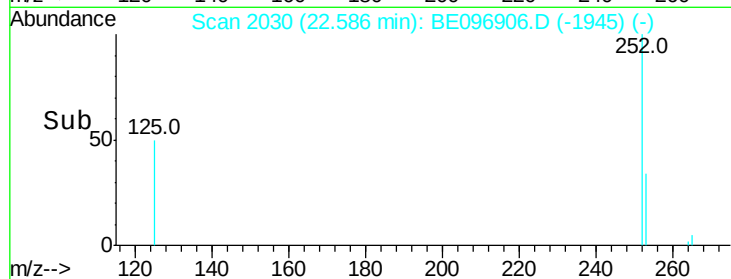
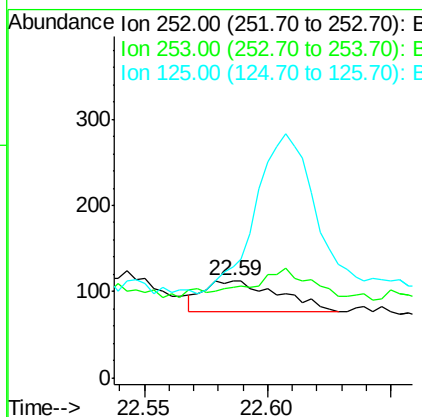
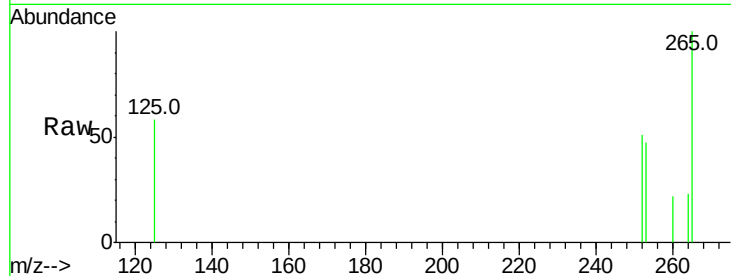




#36  
Benzo(k)fluoranthene  
Concen: 0.085 ng  
RT: 22.59 min Scan# 2030  
Delta R.T. 0.00 min  
Lab File: BE096906.D  
Acq: 13 Jul 2018 14:47

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:252 Resp: 75  
Ion Ratio Lower Upper  
252 100  
253 92.9 16.0 24.0#  
125 113.3 8.0 12.0#



#38  
Dibenzo(a,h)anthracene  
Concen: 0.110 ng  
RT: 25.52 min Scan# 2850  
Delta R.T. -0.00 min  
Lab File: BE096906.D  
Acq: 13 Jul 2018 14:47

Tgt Ion:278 Resp: 21  
Ion Ratio Lower Upper  
278 100  
139 96.8 16.0 24.0#  
279 100.0 20.0 30.0#

