

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061818\  
 Data File : BE096820.D  
 Acq On : 18 Jun 2018 22:17  
 Operator : SJ/JU  
 Sample : J3467-13  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Jun 19 01:26:38 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

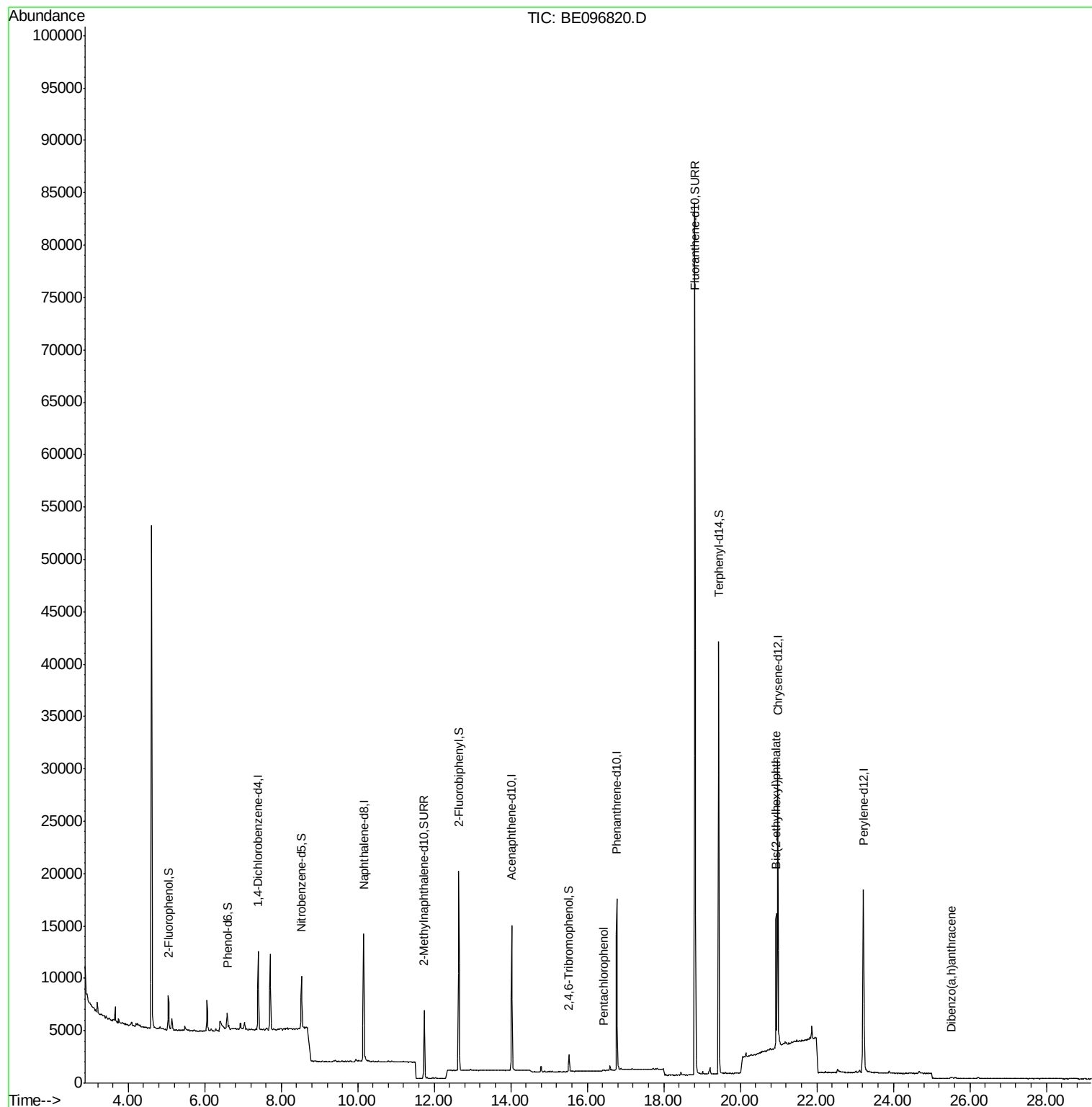
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.40  | 152  | 3078     | 0.40  | ng    | 0.00     |
| 7) Naphthalene-d8              | 10.16 | 136  | 14625    | 0.40  | ng    | 0.00     |
| 13) Acenaphthene-d10           | 14.03 | 164  | 7530     | 0.40  | ng    | 0.00     |
| 19) Phenanthrene-d10           | 16.78 | 188  | 22389    | 0.40  | ng    | 0.00     |
| 27) Chrysene-d12               | 20.98 | 240  | 24183    | 0.40  | ng    | 0.00     |
| 34) Perylene-d12               | 23.22 | 264  | 24448    | 0.40  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.06  | 112  | 1585     | 0.24  | ng    | 0.00     |
| 5) Phenol-d6                   | 6.59  | 99   | 1387     | 0.14  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.53  | 82   | 3914     | 0.48  | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10    | 11.74 | 152  | 8721     | 0.37  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol       | 15.52 | 330  | 959      | 0.56  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl           | 12.64 | 172  | 16362    | 0.53  | ng    | 0.00     |
| 25) Fluoranthene-d10           | 18.81 | 212  | 106557   | 0.49  | ng    | 0.00     |
| 29) Terphenyl-d14              | 19.43 | 244  | 33663    | 0.61  | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 22) Pentachlorophenol          | 16.43 | 266  | 6        | 0.093 | ng    | 95       |
| 32) Bis(2-ethylhexyl)phthalate | 20.94 | 149  | 19067    | 0.433 | ng    | 99       |
| 38) Dibenzo(a,h)anthracene     | 25.53 | 278  | 28       | 0.077 | ng    | # 1      |

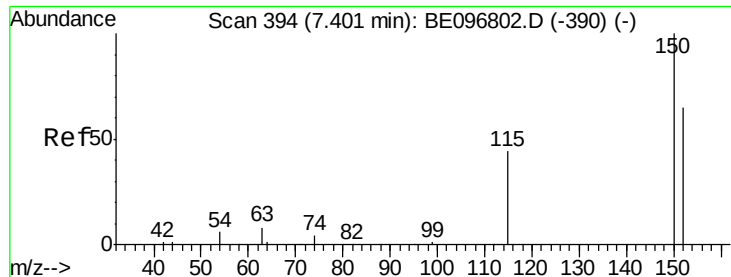
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061818\  
Data File : BE096820.D  
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ALS Vial : 14 Sample Multiplier: 1

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BNA\_E  
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Quant Time: Jun 19 01:26:38 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061818.M  
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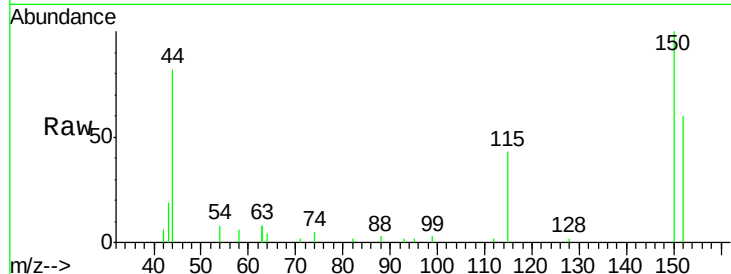


#1

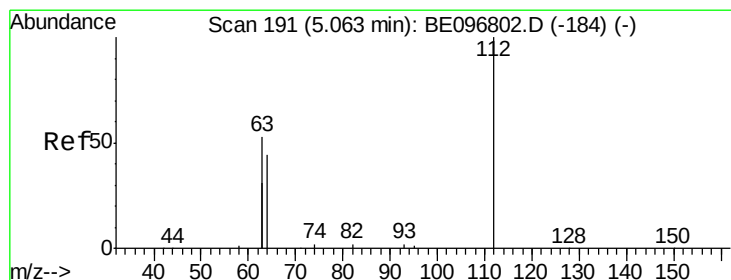
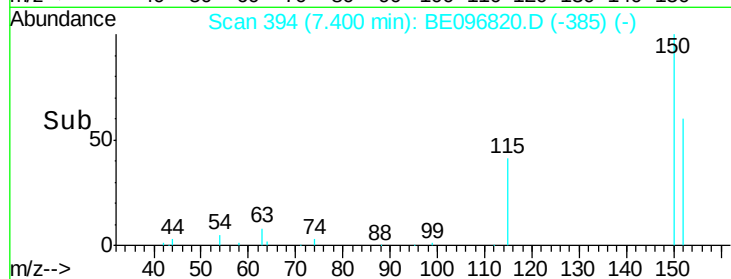
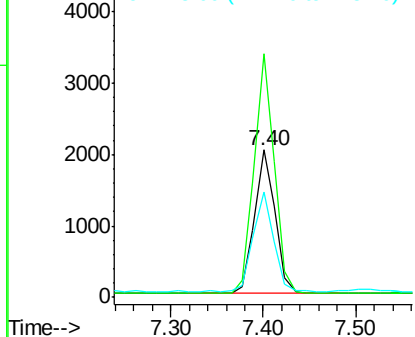
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.40 min Scan# 394  
Delta R.T. -0.00 min  
Lab File: BE096820.D  
Acq: 18 Jun 2018 22:17

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 3078  
Ion Ratio Lower Upper  
152 100  
150 165.3 117.2 175.8  
115 71.3 57.0 85.6



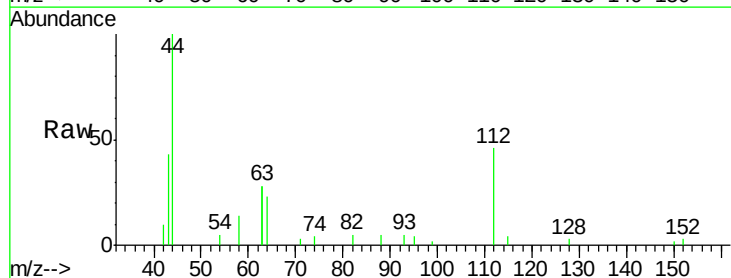
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



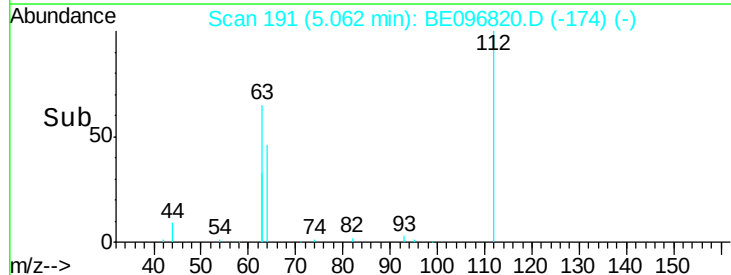
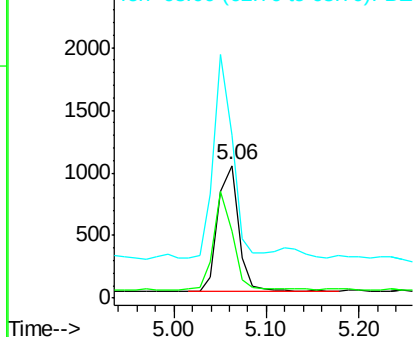
#4

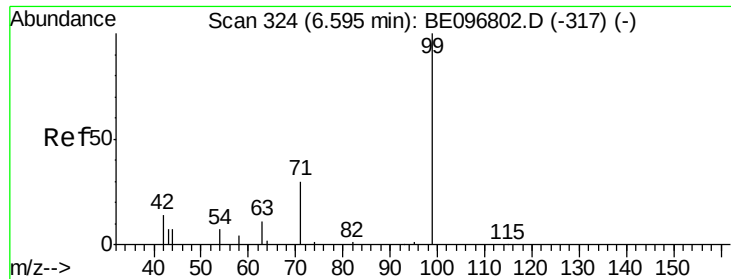
2-Fluorophenol  
Concen: 0.236 ng  
RT: 5.06 min Scan# 191  
Delta R.T. -0.00 min  
Lab File: BE096820.D  
Acq: 18 Jun 2018 22:17

Tgt Ion:112 Resp: 1585  
Ion Ratio Lower Upper  
112 100  
64 71.0 60.1 90.1  
63 149.3 116.8 175.2



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: 0.138 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE096820.D

Acq: 18 Jun 2018 22:17

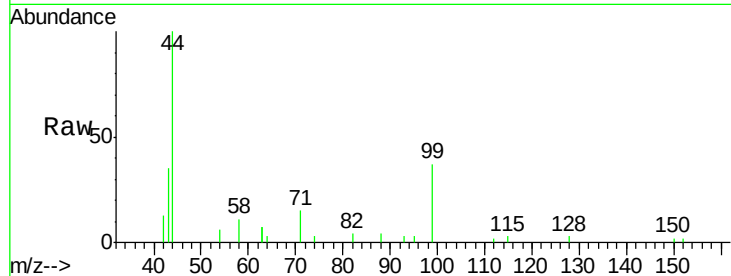
Instrument :

BNA\_E

ClientSampleId :

Tot Ion: 99 Resp: 1387

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 26.0  | 20.2  | 30.2  |
| 71  | 40.6  | 28.4  | 42.6  |

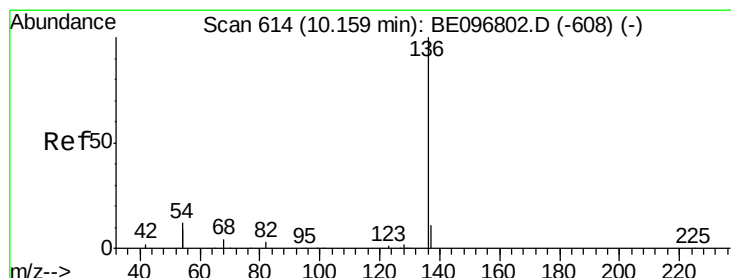
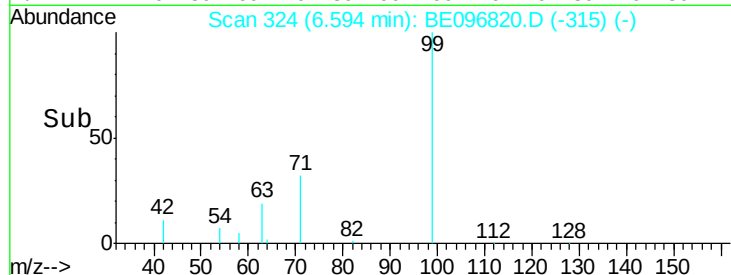
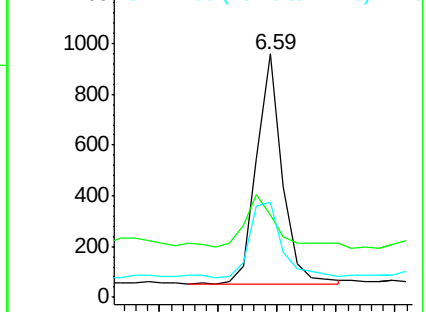


Abundance

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

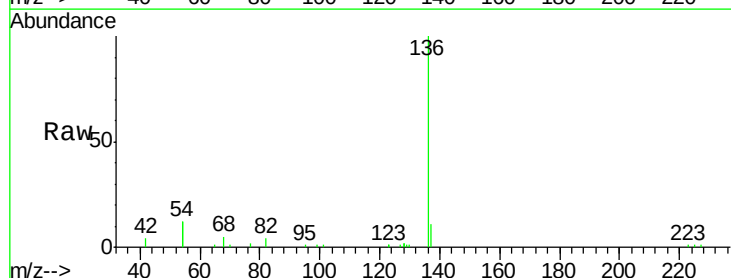
Delta R.T. -0.00 min

Lab File: BE096820.D

Acq: 18 Jun 2018 22:17

Tgt Ion: 136 Resp: 14625

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 9.5   | 14.3  |
| 54  | 24.8  | 29.1  | 43.7# |
| 68  | 5.3   | 6.2   | 9.2#  |



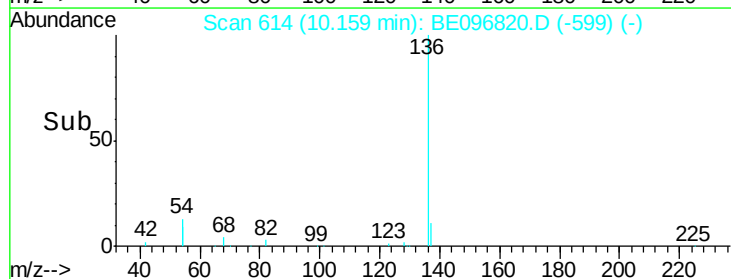
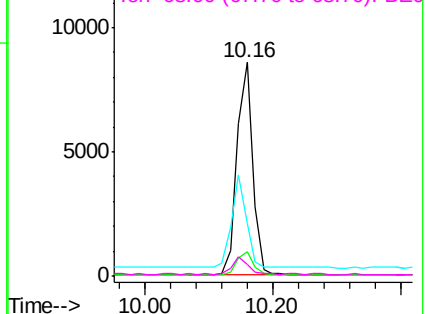
Abundance

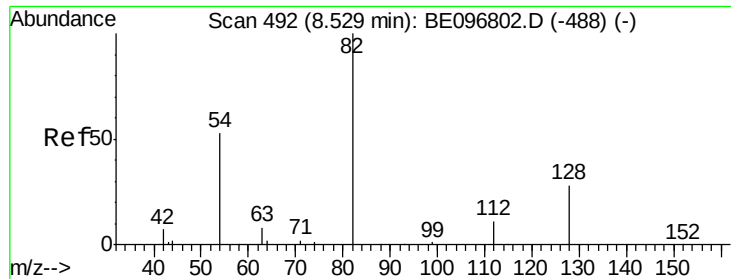
Ion 136.00 (135.70 to 136.70): BE0

Ion 137.00 (136.70 to 137.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.481 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.00 min

Lab File: BE096820.D

Acq: 18 Jun 2018 22:17

Instrument :

BNA\_E

ClientSampleId :

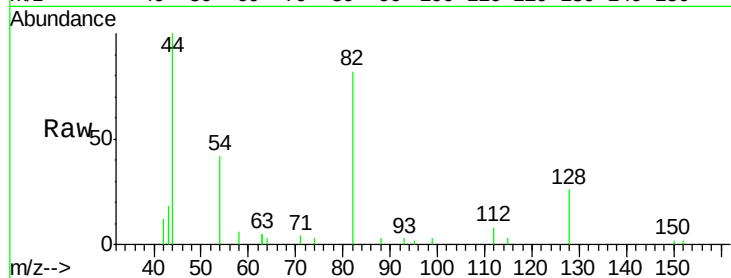
Tot Ion: 82 Resp: 3914

Ion Ratio Lower Upper

82 100

128 31.6 24.0 36.0

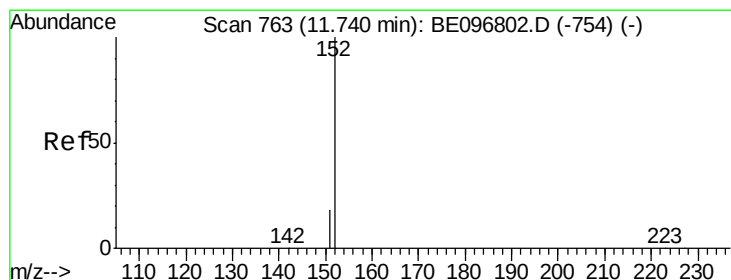
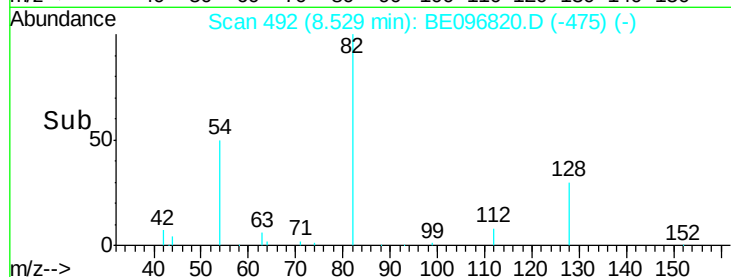
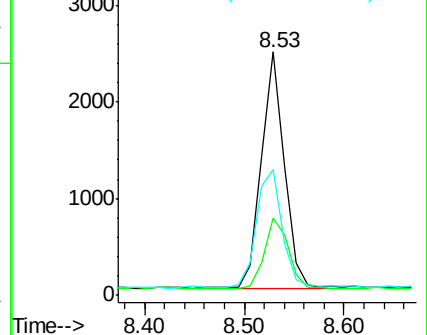
54 51.8 40.0 60.0



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: 0.373 ng

RT: 11.74 min Scan# 763

Delta R.T. -0.00 min

Lab File: BE096820.D

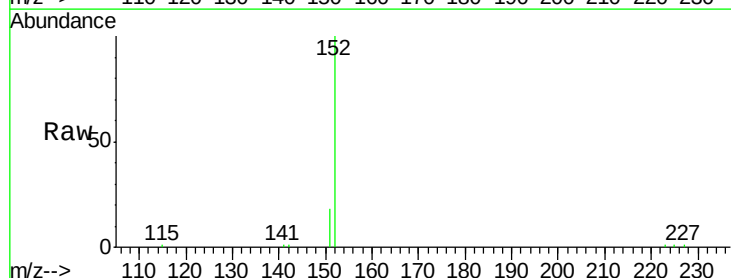
Acq: 18 Jun 2018 22:17

Tgt Ion: 152 Resp: 8721

Ion Ratio Lower Upper

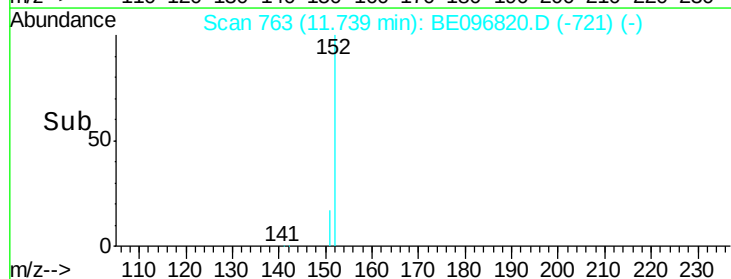
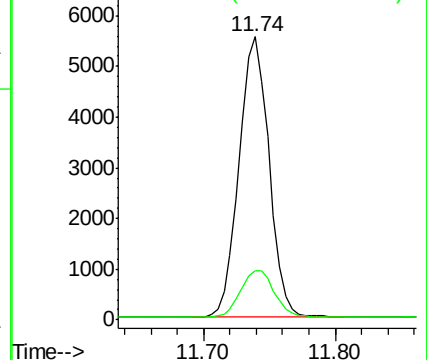
152 100

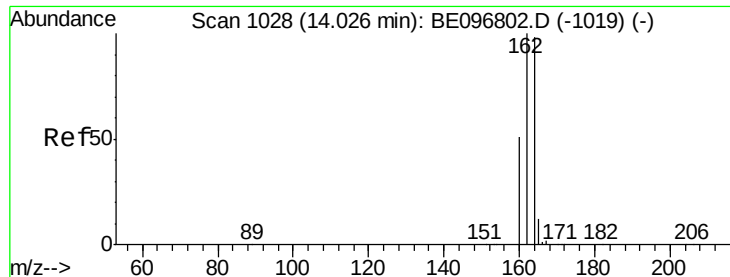
151 19.0 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

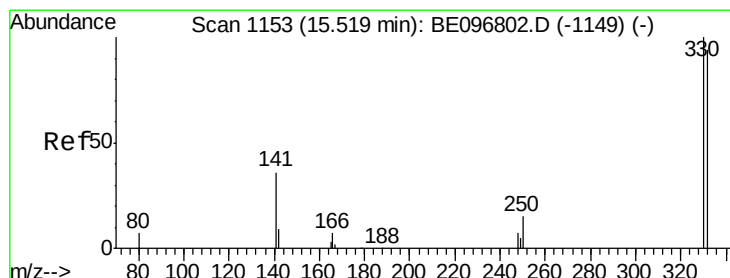
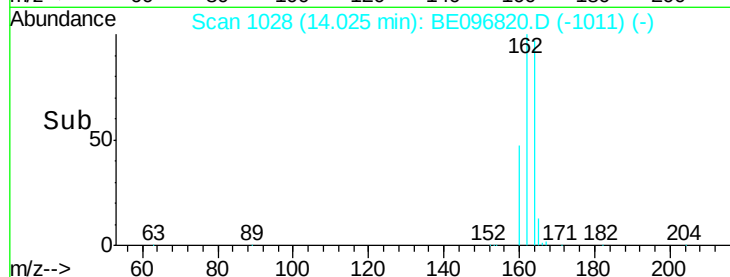
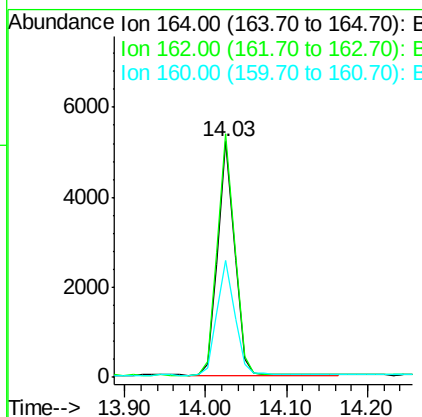
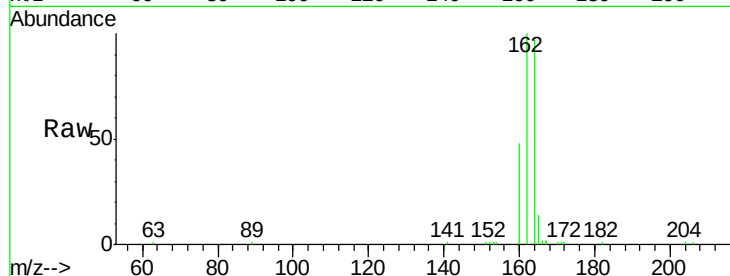




#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.03 min Scan# 1028  
 Delta R.T. -0.00 min  
 Lab File: BE096820.D  
 Acq: 18 Jun 2018 22:17

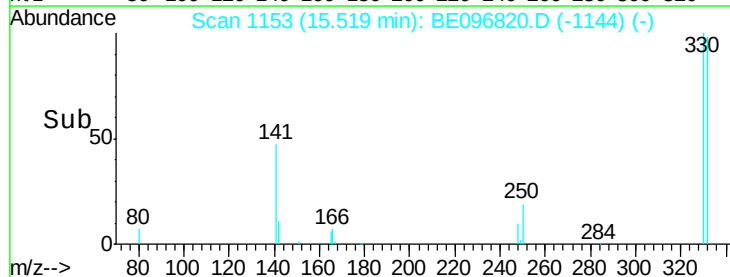
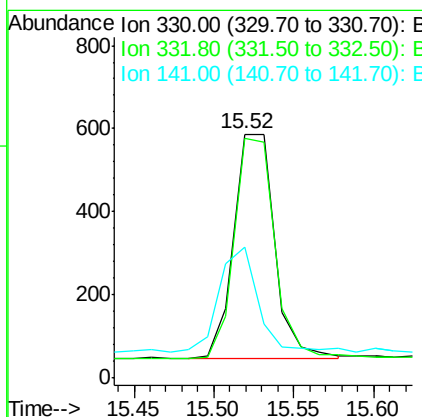
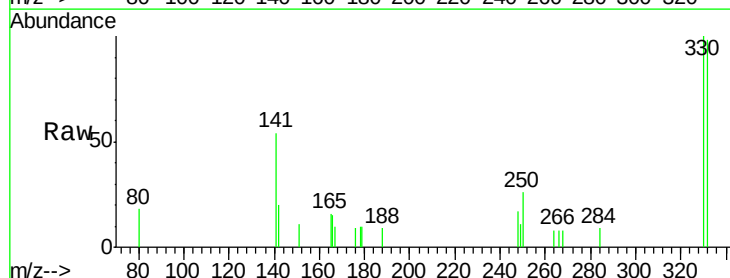
Instrument :  
 BNA\_E  
 ClientSampleId :

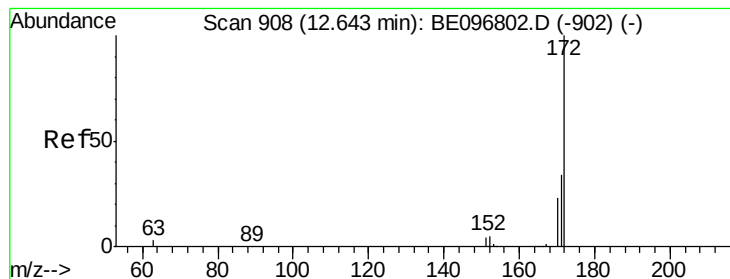
Tot Ion:164 Resp: 7530  
 Ion Ratio Lower Upper  
 164 100  
 162 103.3 83.1 124.7  
 160 49.4 37.1 55.7



#14  
 2,4,6-Tribromophenol  
 Concen: 0.561 ng  
 RT: 15.52 min Scan# 1153  
 Delta R.T. 0.00 min  
 Lab File: BE096820.D  
 Acq: 18 Jun 2018 22:17

Tgt Ion:330 Resp: 959  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 152.7 229.1#  
 141 43.8 33.7 50.5

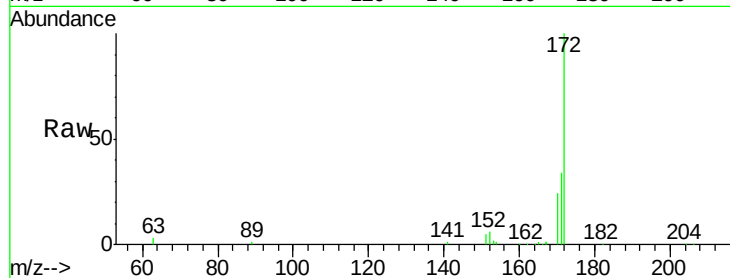




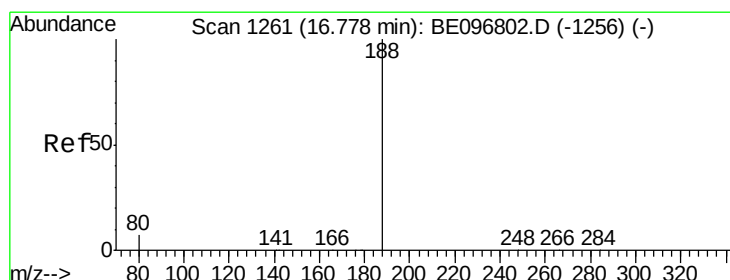
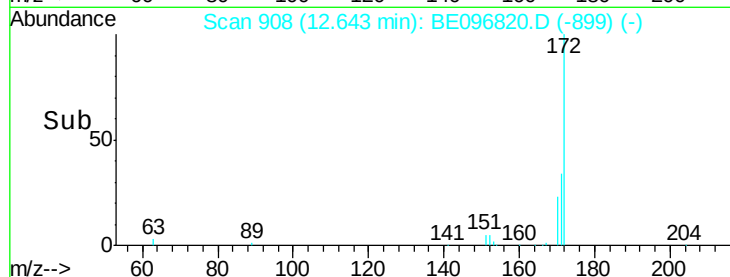
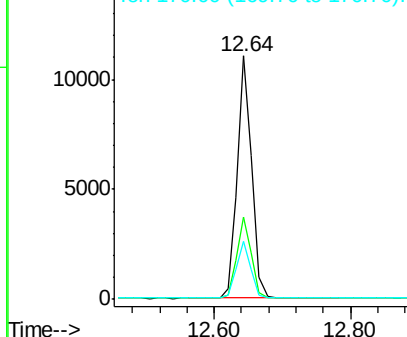
#15  
2-Fluorobiphenyl  
Concen: 0.528 ng  
RT: 12.64 min Scan# 908  
Delta R.T. -0.00 min  
Lab File: BE096820.D  
Acq: 18 Jun 2018 22:17

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:172 Resp: 16362  
Ion Ratio Lower Upper  
172 100  
171 33.9 29.9 44.9  
170 23.6 21.8 32.8

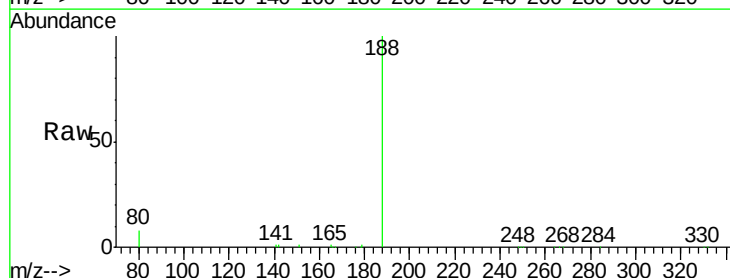


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

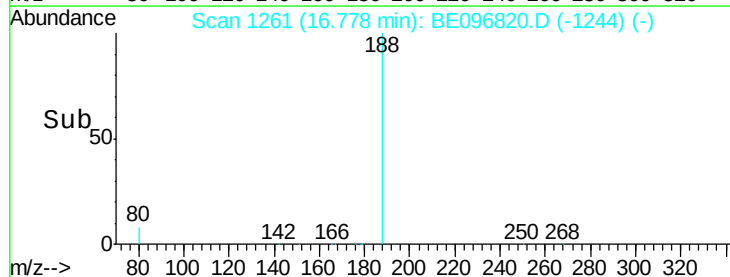
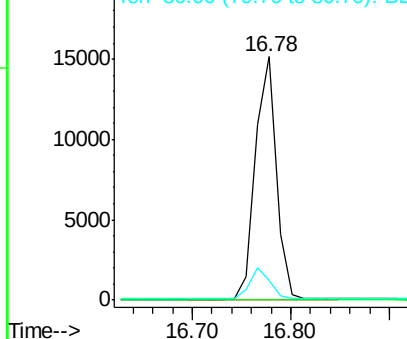


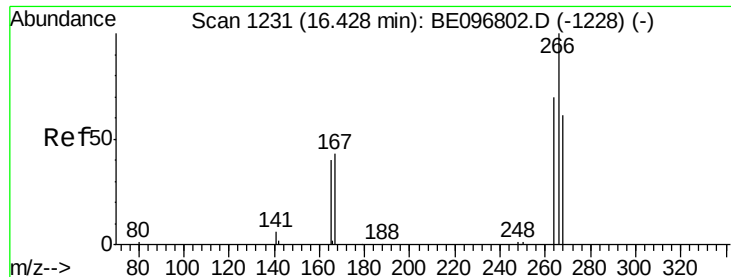
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.78 min Scan# 1261  
Delta R.T. 0.00 min  
Lab File: BE096820.D  
Acq: 18 Jun 2018 22:17

Tgt Ion:188 Resp: 22389  
Ion Ratio Lower Upper  
188 100  
94 0.0 3.9 5.9#  
80 8.2 3.6 5.4#



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





#22

Pentachlorophenol

Concen: 0.093 ng

RT: 16.43 min Scan# 1231

Delta R.T. 0.00 min

Lab File: BE096820.D

Acq: 18 Jun 2018 22:17

Instrument :

BNA\_E

ClientSampleId :

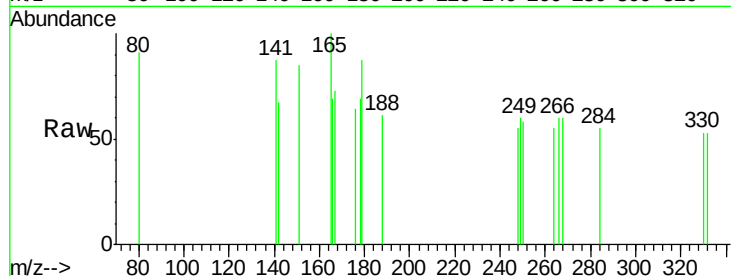
Tot Ion:266 Resp: 6

Ion Ratio Lower Upper

266 100

264 92.5 72.5 108.7

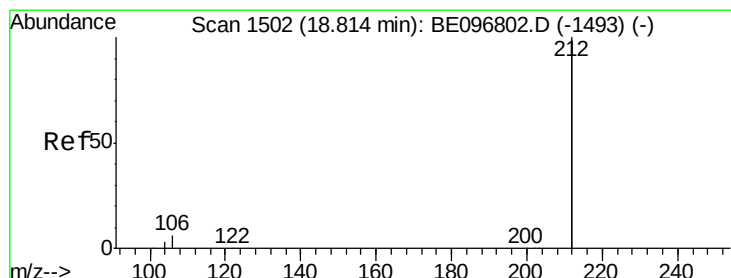
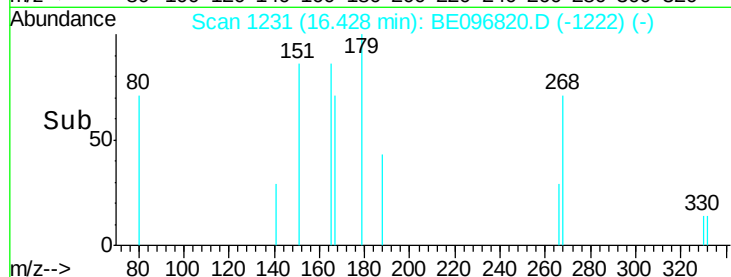
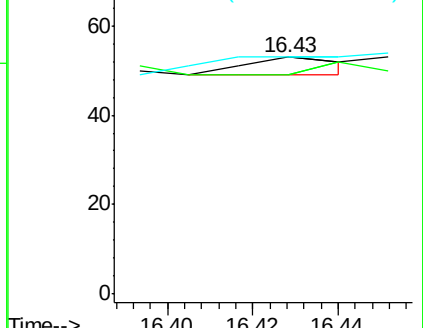
268 100.0 73.8 110.6



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: 0.486 ng

RT: 18.81 min Scan# 1502

Delta R.T. -0.00 min

Lab File: BE096820.D

Acq: 18 Jun 2018 22:17

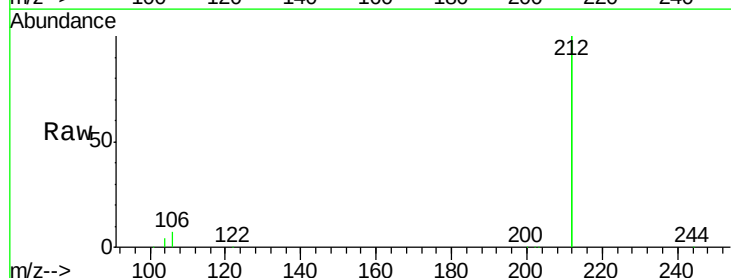
Tgt Ion:212 Resp: 106557

Ion Ratio Lower Upper

212 100

106 3.6 2.8 4.2

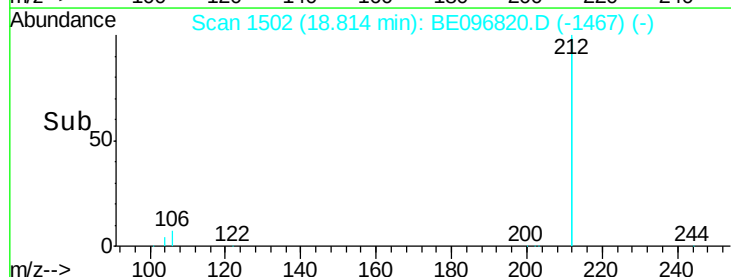
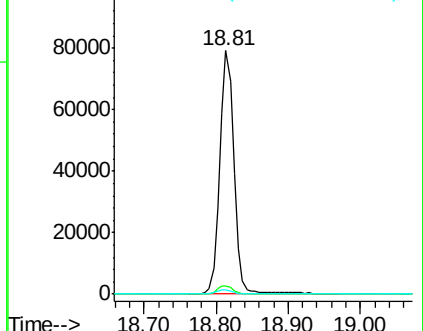
104 2.0 1.6 2.4



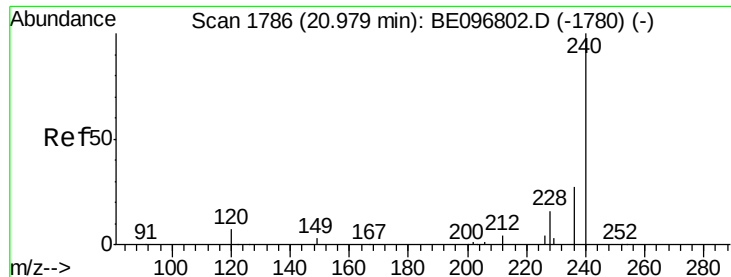
Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



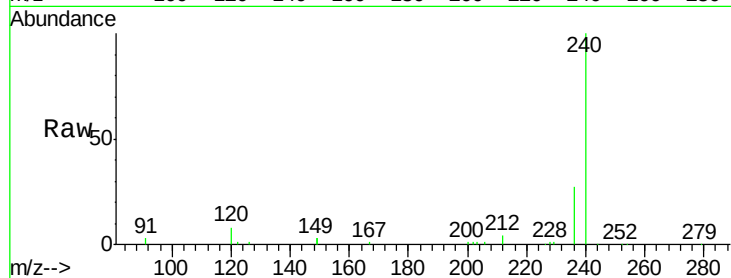




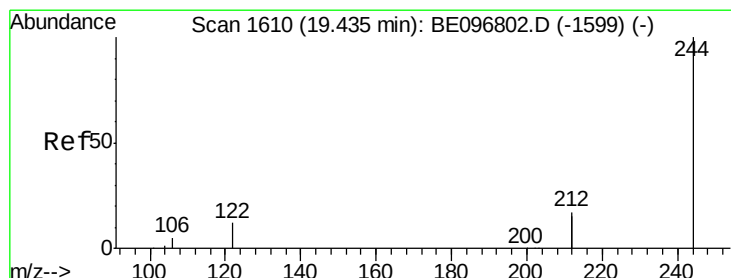
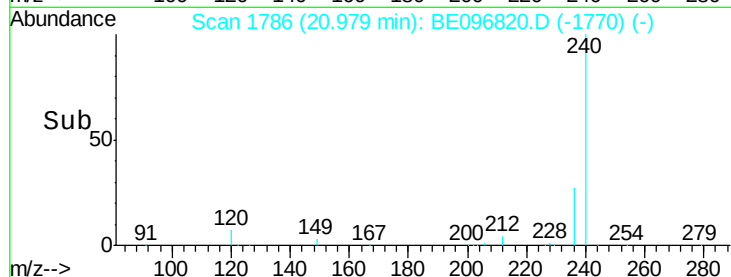
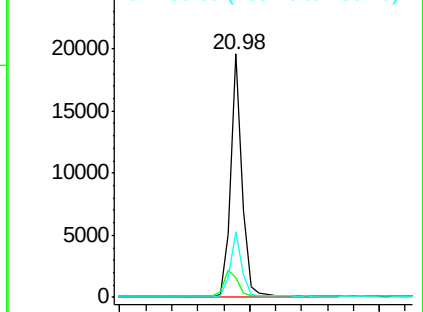
#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 20.98 min Scan# 1786  
 Delta R.T. -0.00 min  
 Lab File: BE096820.D  
 Acq: 18 Jun 2018 22:17

Instrument :  
 BNA\_E  
 ClientSampleId :

Tot Ion:240 Resp: 24183  
 Ion Ratio Lower Upper  
 240 100  
 120 7.8 5.5 8.3  
 236 27.2 20.7 31.1

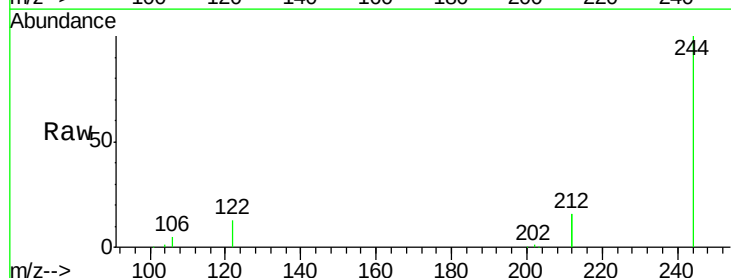


Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E

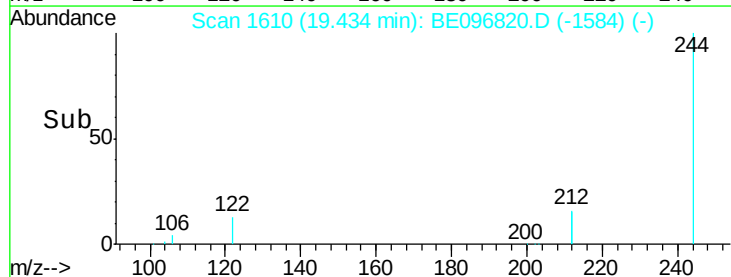
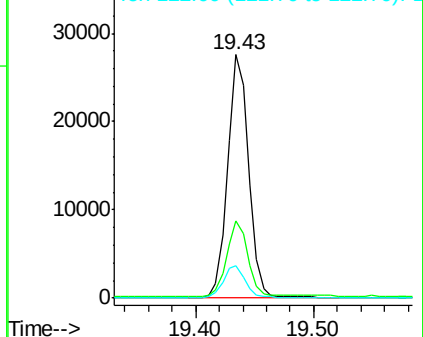


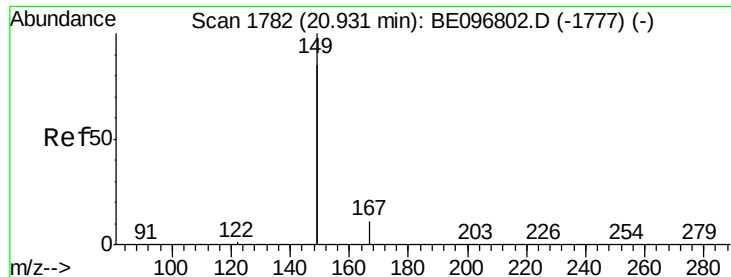
#29  
 Terphenyl-d14  
 Concen: 0.614 ng  
 RT: 19.43 min Scan# 1610  
 Delta R.T. -0.00 min  
 Lab File: BE096820.D  
 Acq: 18 Jun 2018 22:17

Tgt Ion:244 Resp: 33663  
 Ion Ratio Lower Upper  
 244 100  
 212 31.7 25.4 38.0  
 122 13.1 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: 0.433 ng

RT: 20.94 min Scan# 1783

Delta R.T. 0.01 min

Lab File: BE096820.D

Acq: 18 Jun 2018 22:17

Instrument :

BNA\_E

ClientSampleId :

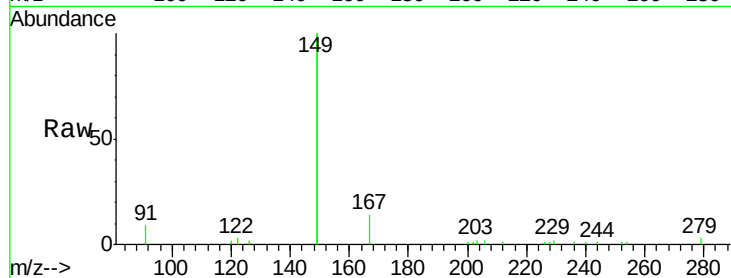
Tot Ion:149 Resp: 19067

Ion Ratio Lower Upper

149 100

167 6.4 5.4 8.0

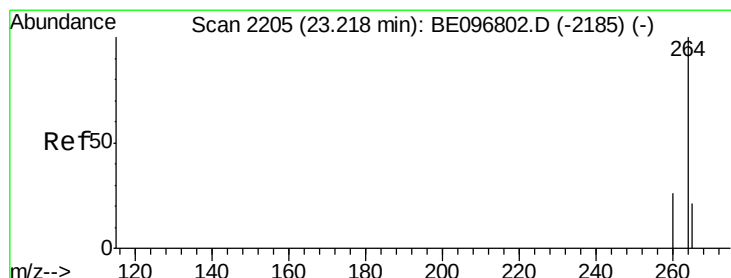
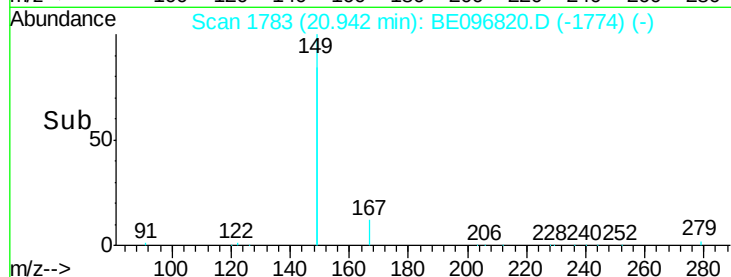
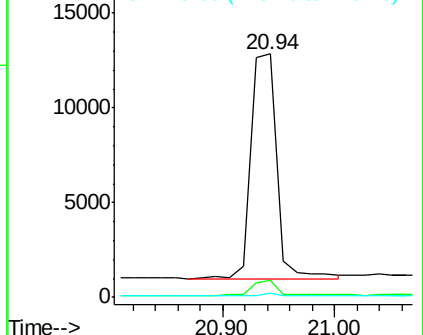
279 1.0 0.7 1.1



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: 23.22 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BE096820.D

Acq: 18 Jun 2018 22:17

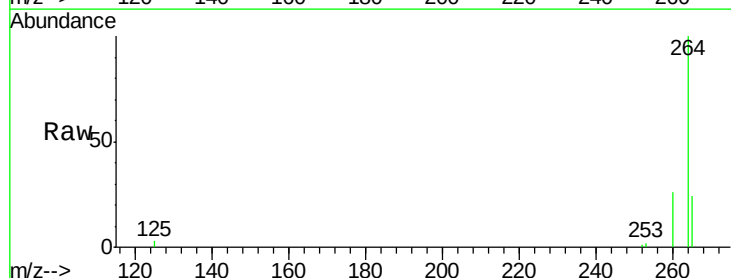
Tgt Ion:264 Resp: 24448

Ion Ratio Lower Upper

264 100

260 25.6 20.5 30.7

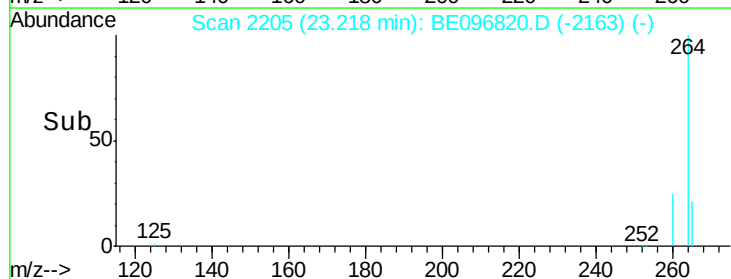
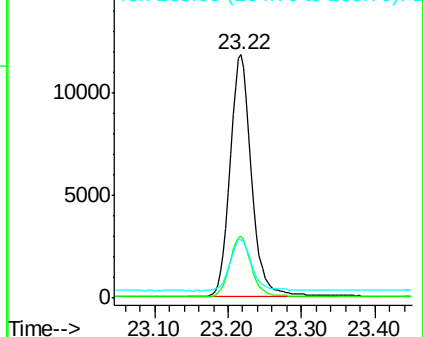
265 24.0 22.8 34.2

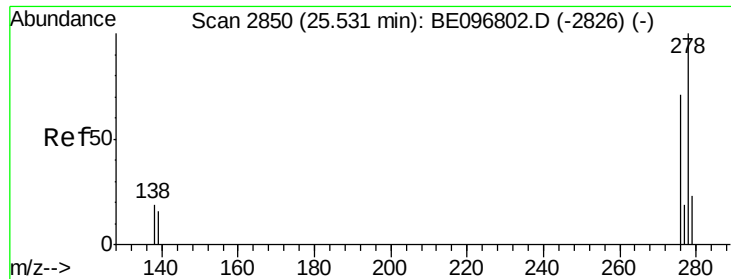


Abundance Ion 264.00 (263.70 to 264.70): E

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: 25.53 min Scan# 2850

Delta R.T. 0.00 min

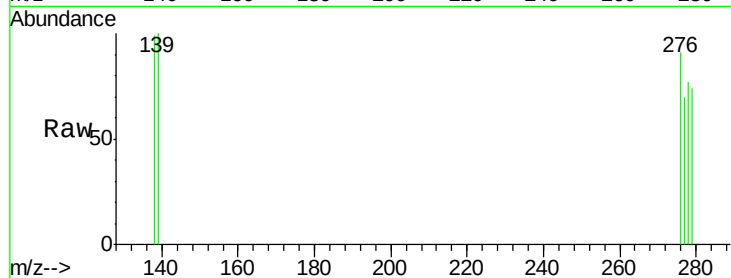
Lab File: BE096820.D

Acq: 18 Jun 2018 22:17

Instrument :

BNA\_E

ClientSampleId :



Tot Ion: 278 Resp: 28

Ion Ratio Lower Upper

278 100

139 130.0 16.0 24.0#

279 96.3 20.0 30.0#

