

Data Path : Z:\HPCHEM1\BNA\_E\Data\BE012815\  
 Data File : BE089403.D  
 Acq On : 29 Jan 2015 00:27  
 Operator : TP/IZ  
 Sample : G1110-01  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BEM-7

Quant Time: Jan 29 05:20:12 2015  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SIM-BE012815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 29 04:21:19 2015  
 Response via : Initial Calibration

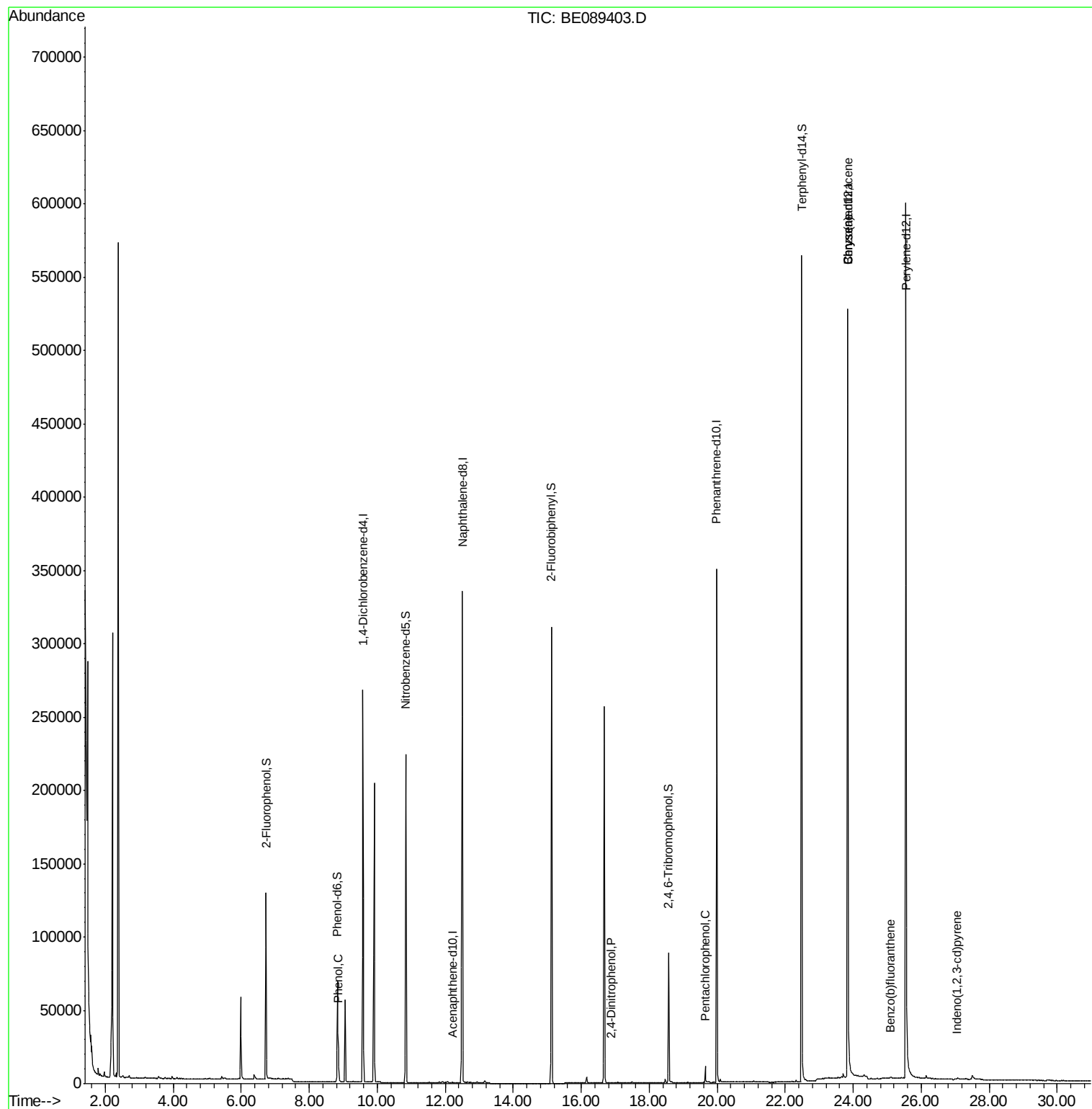
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|-------|------|----------|---------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 9.58  | 152  | 120115   | 5.00    | ng    | 0.00     |
| 7) Naphthalene-d8           | 12.50 | 136  | 391108   | 5.00    | ng    | 0.00     |
| 13) Acenaphthene-d10        | 12.21 | 164  | 32       | 5.00    | ng    | 0.00     |
| 17) Phenanthrene-d10        | 19.99 | 188  | 321530   | 5.00    | ng    | 0.00     |
| 20) Chrysene-d12            | 23.84 | 240  | 485546   | 5.00    | ng    | 0.00     |
| 27) Perylene-d12            | 25.55 | 264  | 589810   | 5.00    | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |         |       |          |
| 3) 2-Fluorophenol           | 6.72  | 112  | 87126    | 2.32    | ng    | 0.00     |
| 4) Phenol-d6                | 8.84  | 99   | 63654    | 1.38    | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 10.84 | 82   | 163729   | 5.94    | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 18.58 | 330  | 48159    | 1784.92 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 15.13 | 172  | 285480   | 844.19  | ng    | 0.00     |
| 22) Terphenyl-d14           | 22.48 | 244  | 487849   | 9.07    | ng    | 0.00     |
| Target Compounds            |       |      |          |         |       |          |
| 5) Phenol                   | 8.86  | 94   | 11578    | 0.24    | ng    | # 56     |
| 16) 2,4-Dinitrophenol       | 16.89 | 184  | 29       | 17.40   | ng    | # 13     |
| 19) Pentachlorophenol       | 19.65 | 266  | 7036     | 2.46    | ng    | 94       |
| 23) Benzo(a)anthracene      | 23.83 | 228  | 11333    | 0.03    | ng    | # 82     |
| 25) Chrysene                | 23.83 | 228  | 11333    | 0.02    | ng    | # 82     |
| 26) Indeno(1,2,3-cd)pyrene  | 27.06 | 276  | 2721     | 0.02    | ng    | # 100    |
| 28) Benzo(b)fluoranthene    | 25.09 | 252  | 2617     | 0.03    | ng    | # 1      |

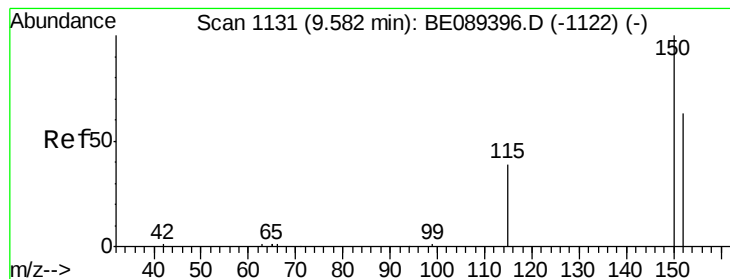
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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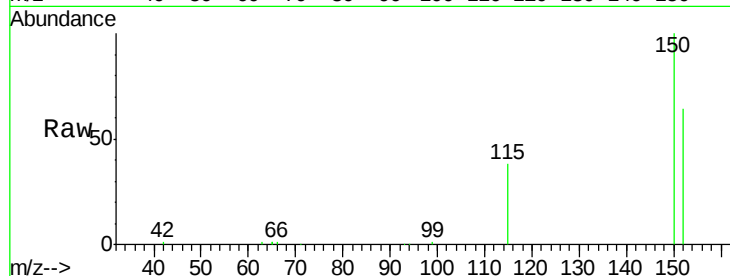




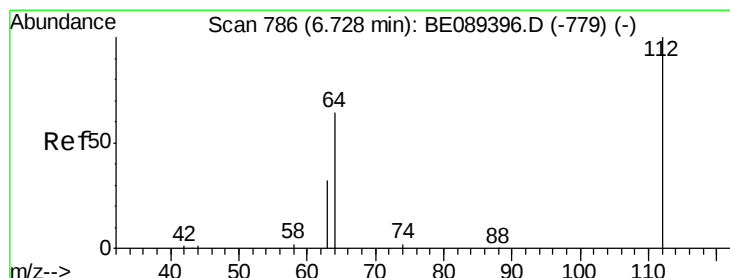
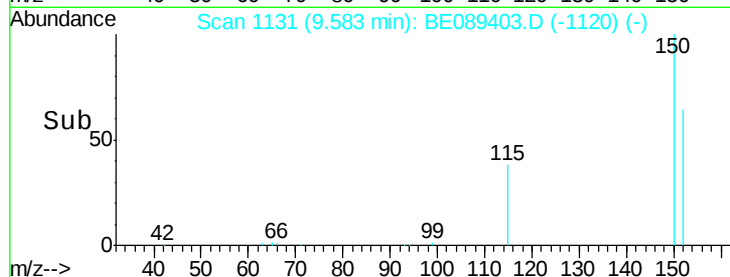
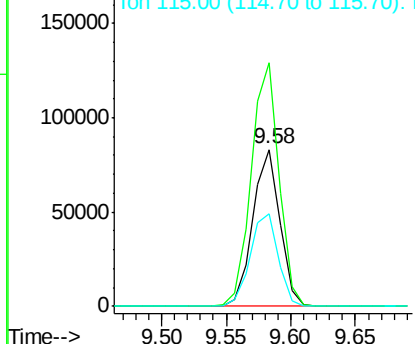
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 5.00 ng  
 RT: 9.58 min Scan# 1131  
 Delta R.T. 0.00 min  
 Lab File: BE089403.D  
 Acq: 29 Jan 2015 00:27

Instrument :  
 BNA\_E  
 ClientSampleId :  
 BEM-7

Tgt Ion:152 Resp: 120115  
 Ion Ratio Lower Upper  
 152 100  
 150 155.4 127.2 190.8  
 115 59.3 49.3 73.9

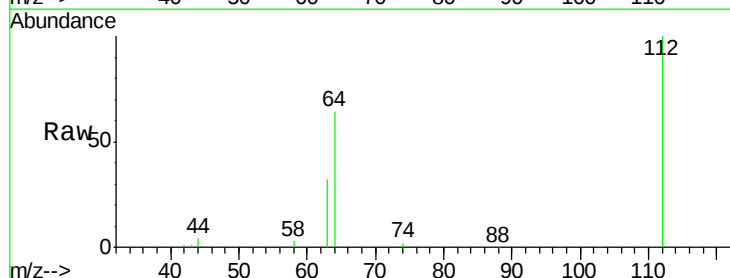


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

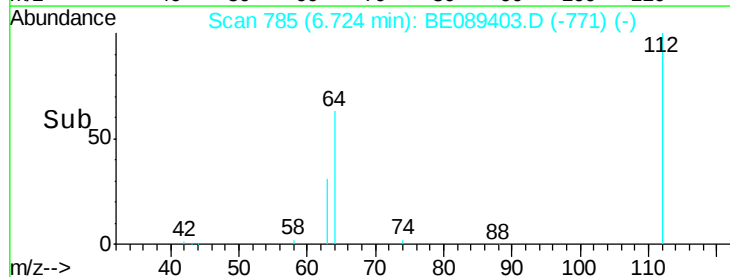
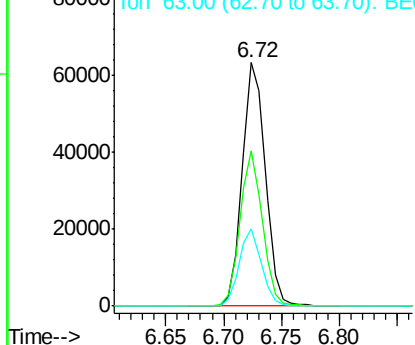


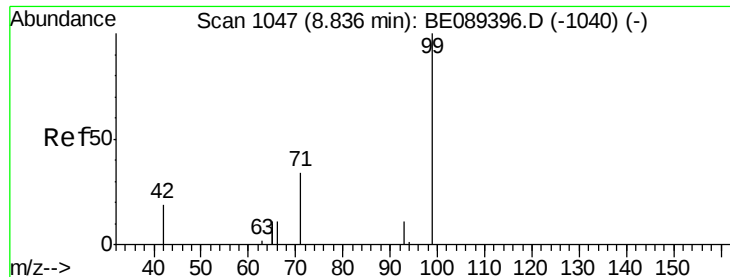
#3  
 2-Fluorophenol  
 Concen: 2.32 ng  
 RT: 6.72 min Scan# 785  
 Delta R.T. -0.00 min  
 Lab File: BE089403.D  
 Acq: 29 Jan 2015 00:27

Tgt Ion:112 Resp: 87126  
 Ion Ratio Lower Upper  
 112 100  
 64 63.5 51.7 77.5  
 63 31.5 25.7 38.5



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





#4

Phenol-d6

Concen: 1.38 ng

RT: 8.84 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BE089403.D

Acq: 29 Jan 2015 00:27

Instrument :

BNA\_E

ClientSampled :

BEM-7

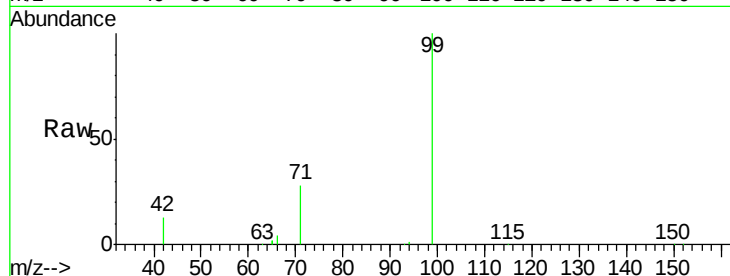
Tgt Ion: 99 Resp: 63654

Ion Ratio Lower Upper

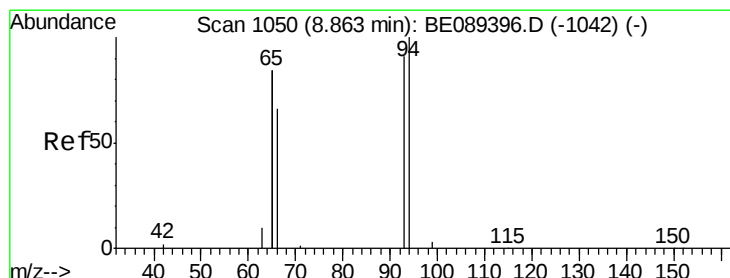
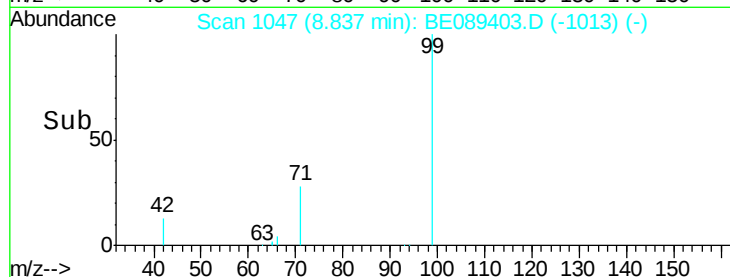
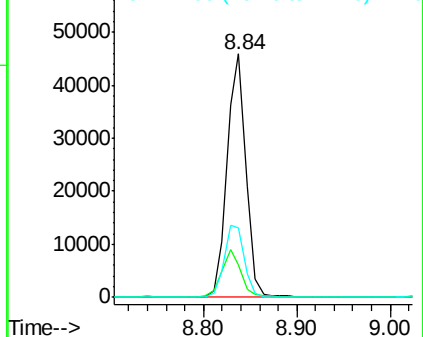
99 100

42 13.1 15.3 22.9#

71 28.4 27.0 40.6



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



#5

Phenol

Concen: 0.24 ng

RT: 8.86 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BE089403.D

Acq: 29 Jan 2015 00:27

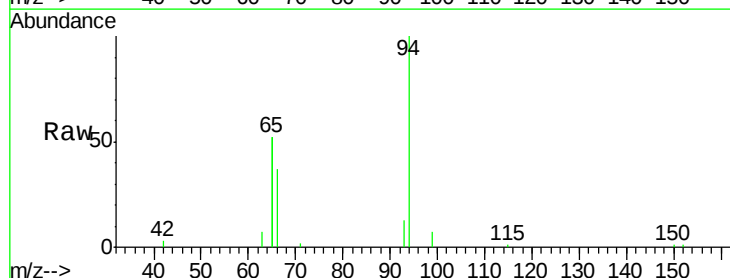
Tgt Ion: 94 Resp: 11578

Ion Ratio Lower Upper

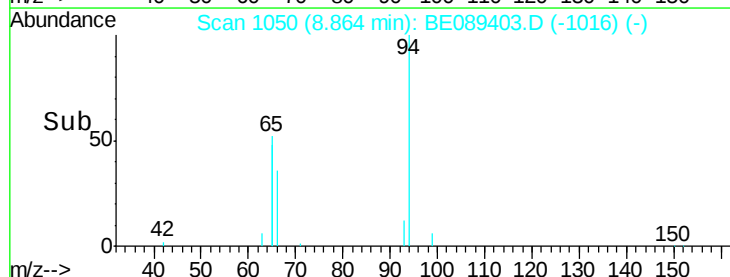
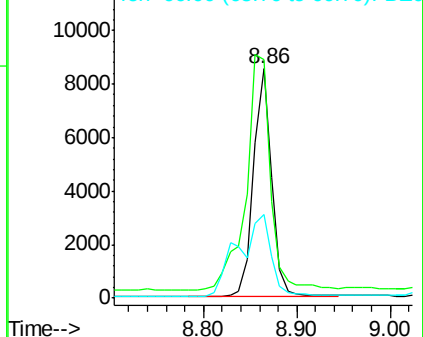
94 100

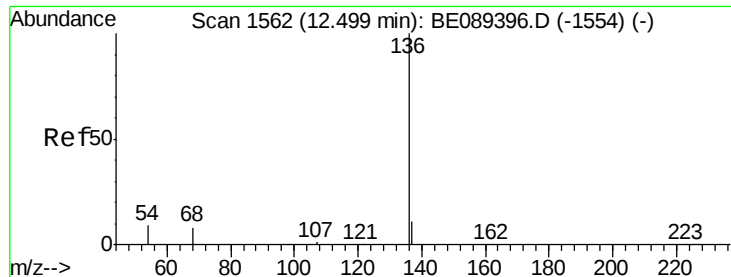
65 104.0 148.6 188.6#

66 36.7 46.2 86.2#



Abundance Ion 94.00 (93.70 to 94.70): BE0  
Ion 65.00 (64.70 to 65.70): BE0  
Ion 66.00 (65.70 to 66.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BE089403.D

Acq: 29 Jan 2015 00:27

Instrument :

BNA\_E

ClientSampleId :

BEM-7

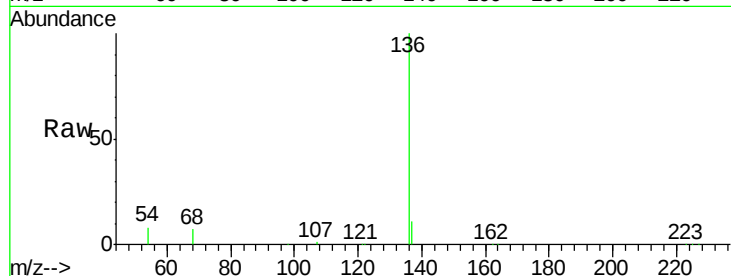
Tgt Ion: 136 Resp: 391108

Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

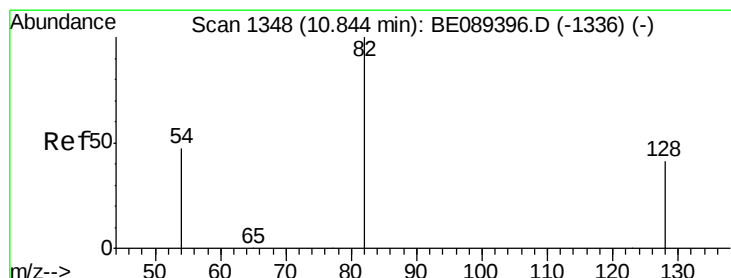
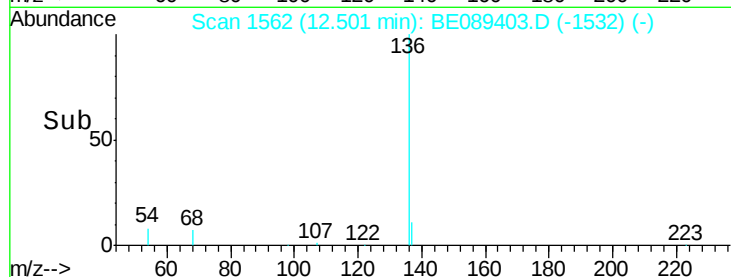
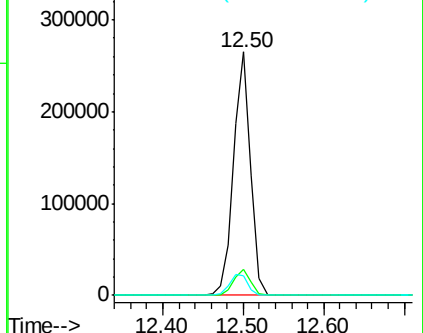
54 8.1 7.4 11.0



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



#8

Nitrobenzene-d5

Concen: 5.94 ng

RT: 10.84 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BE089403.D

Acq: 29 Jan 2015 00:27

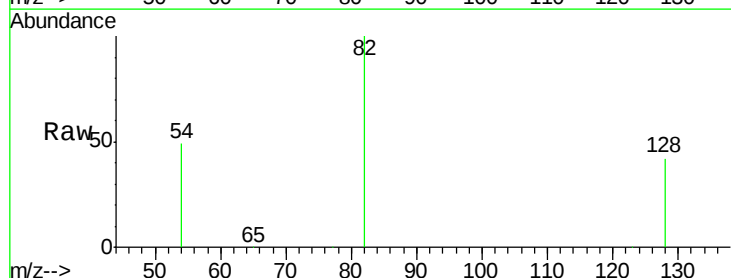
Tgt Ion: 82 Resp: 163729

Ion Ratio Lower Upper

82 100

128 42.0 33.6 50.4

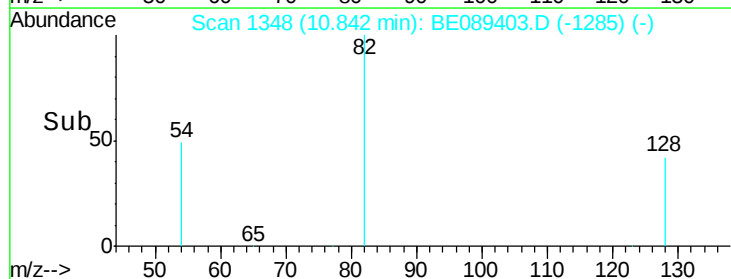
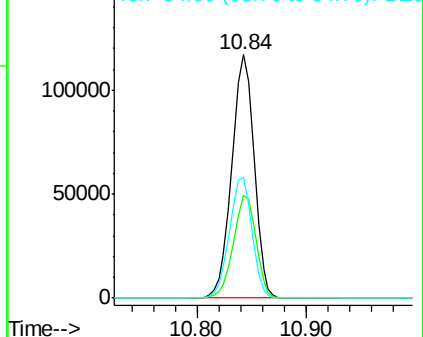
54 49.4 37.7 56.5

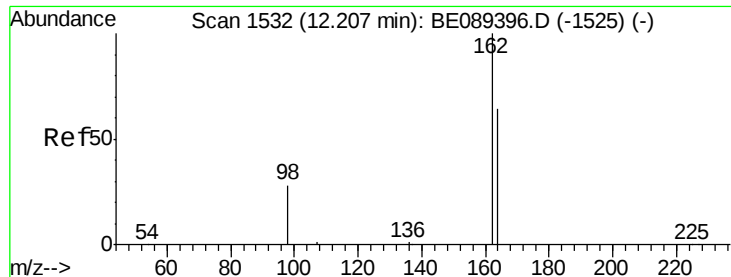


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

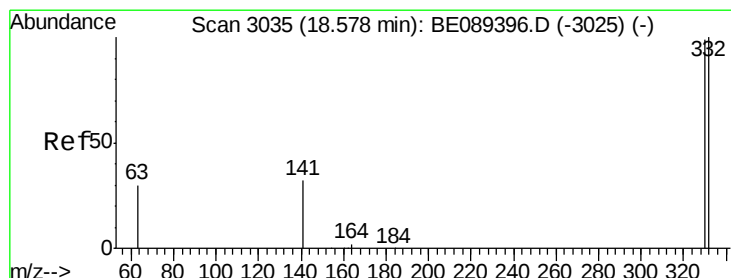
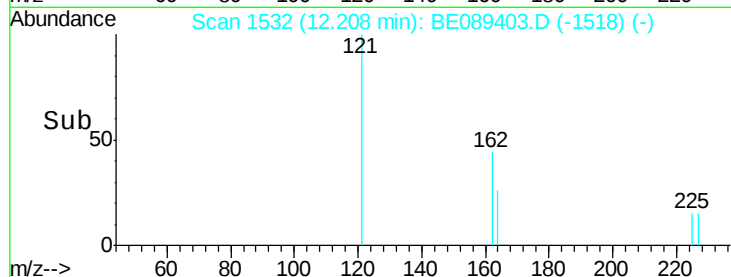
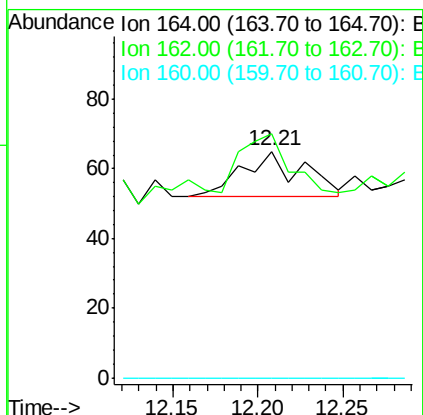
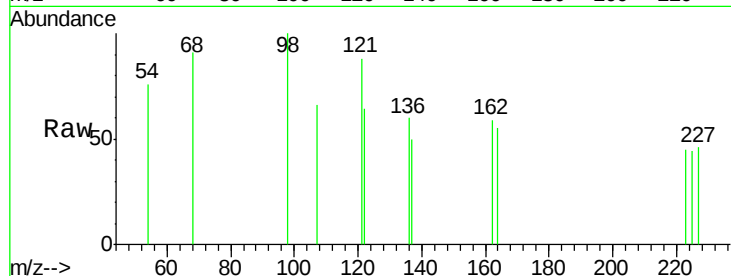




#13  
Acenaphthene-d10  
Concen: 5.00 ng  
RT: 12.21 min Scan# 1532  
Delta R.T. 0.00 min  
Lab File: BE089403.D  
Acq: 29 Jan 2015 00:27

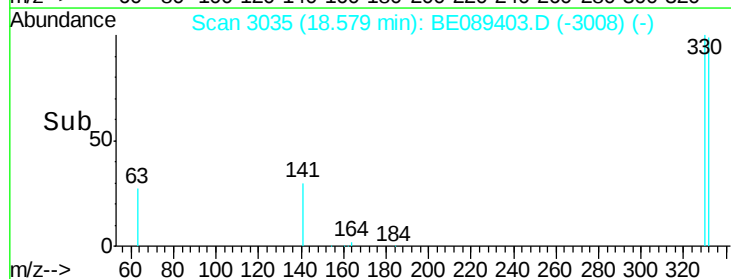
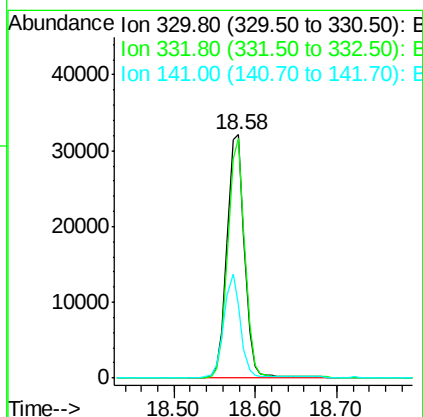
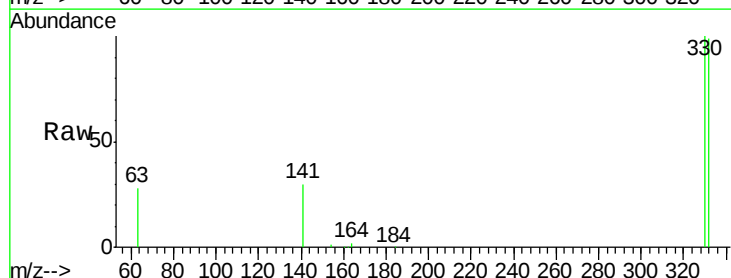
Instrument :  
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ClientSampleId :  
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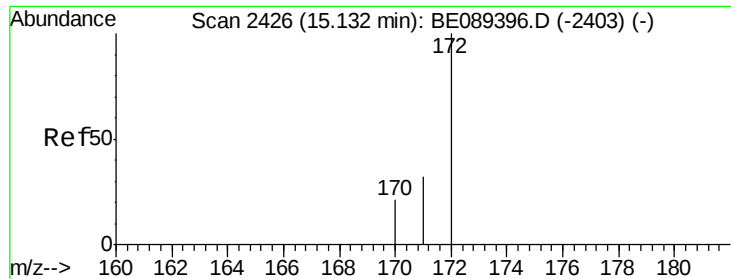
Tgt Ion:164 Resp: 32  
Ion Ratio Lower Upper  
164 100  
162 107.7 123.9 185.9#  
160 0.0 0.0 0.0



#14  
2,4,6-Tribromophenol  
Concen: 1784.92 ng  
RT: 18.58 min Scan# 3035  
Delta R.T. 0.00 min  
Lab File: BE089403.D  
Acq: 29 Jan 2015 00:27

Tgt Ion:330 Resp: 48159  
Ion Ratio Lower Upper  
330 100  
332 96.2 77.5 116.3  
141 39.7 32.4 48.6

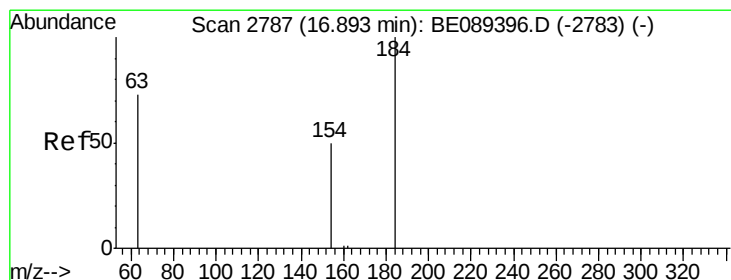
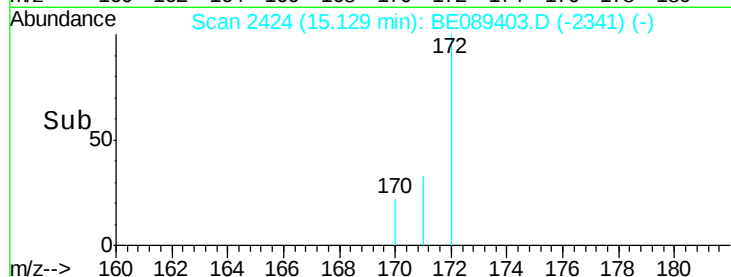
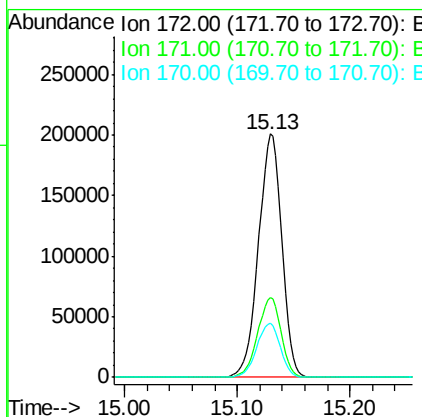
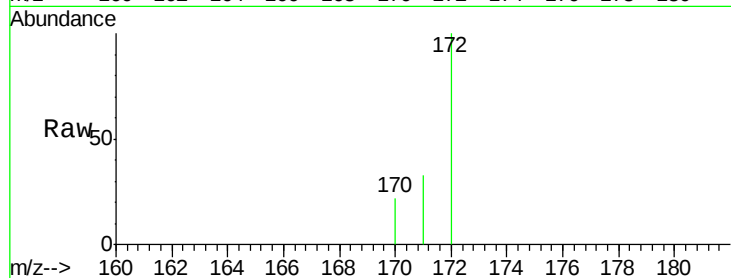




#15  
 2-Fluorobiphenyl  
 Concen: 844.19 ng  
 RT: 15.13 min Scan# 2424  
 Delta R.T. -0.00 min  
 Lab File: BE089403.D  
 Acq: 29 Jan 2015 00:27

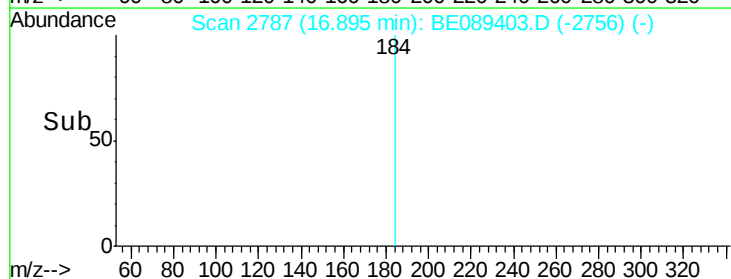
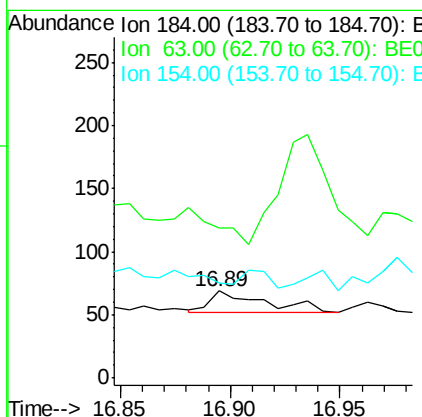
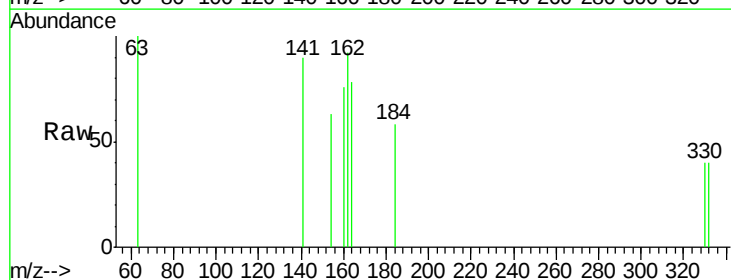
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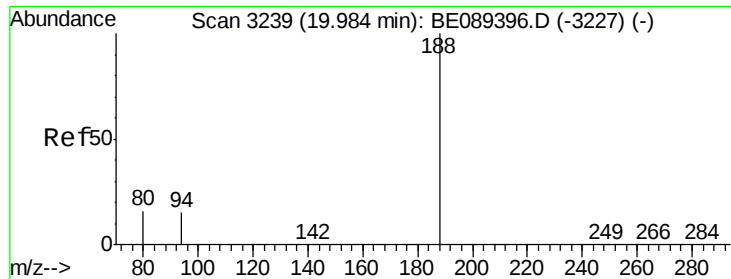
Tgt Ion:172 Resp: 285480  
 Ion Ratio Lower Upper  
 172 100  
 171 32.7 25.6 38.4  
 170 22.4 17.0 25.4



#16  
 2,4-Dinitrophenol  
 Concen: 17.40 ng  
 RT: 16.89 min Scan# 2787  
 Delta R.T. 0.00 min  
 Lab File: BE089403.D  
 Acq: 29 Jan 2015 00:27

Tgt Ion:184 Resp: 29  
 Ion Ratio Lower Upper  
 184 100  
 63 172.5 66.9 100.3#  
 154 108.7 45.1 67.7#

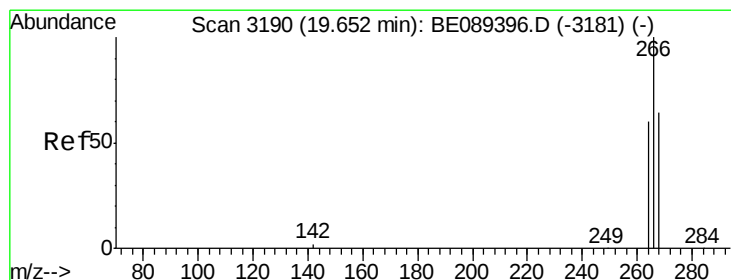
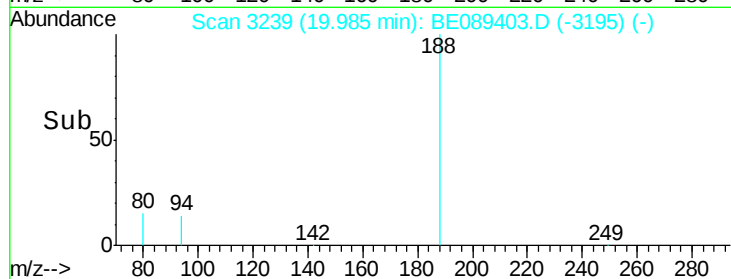
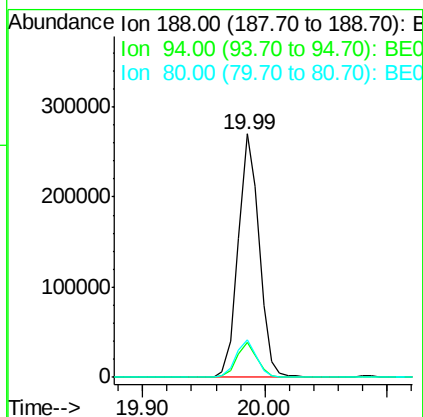
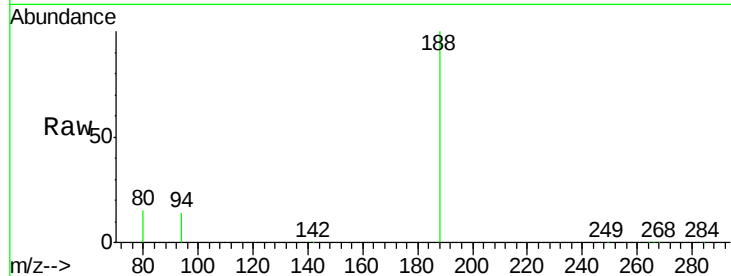




#17  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 19.99 min Scan# 3239  
Delta R.T. 0.00 min  
Lab File: BE089403.D  
Acq: 29 Jan 2015 00:27

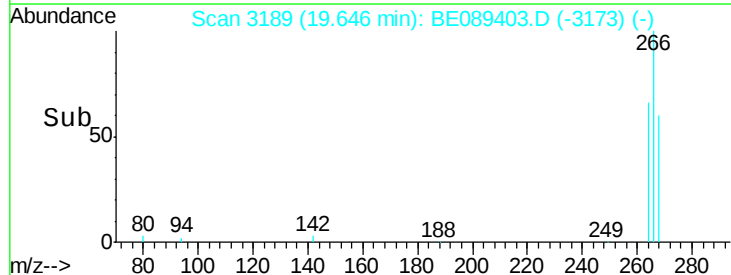
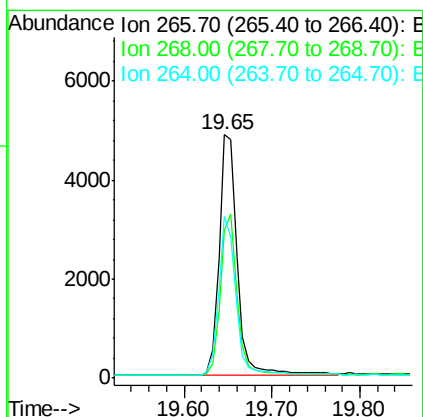
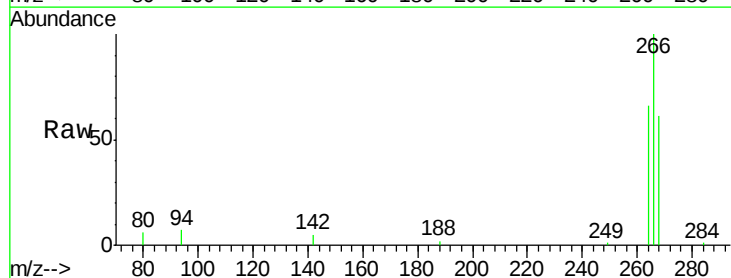
Instrument :  
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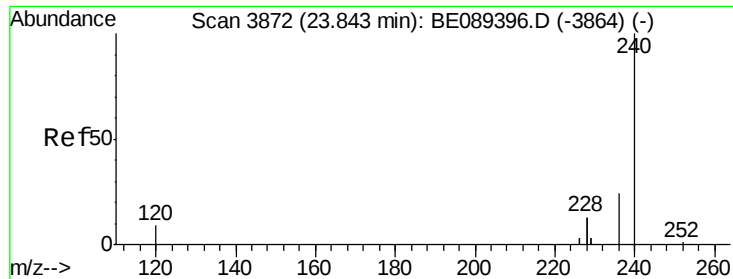
Tgt Ion:188 Resp: 321530  
Ion Ratio Lower Upper  
188 100  
94 14.4 12.0 18.0  
80 15.4 13.2 19.8



#19  
Pentachlorophenol  
Concen: 2.46 ng  
RT: 19.65 min Scan# 3189  
Delta R.T. -0.01 min  
Lab File: BE089403.D  
Acq: 29 Jan 2015 00:27

Tgt Ion:266 Resp: 7036  
Ion Ratio Lower Upper  
266 100  
268 60.9 52.5 78.7  
264 66.3 48.8 73.2

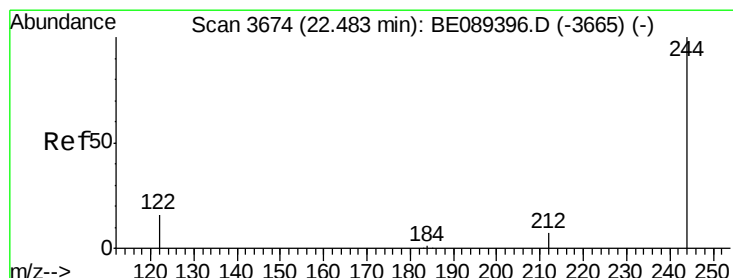
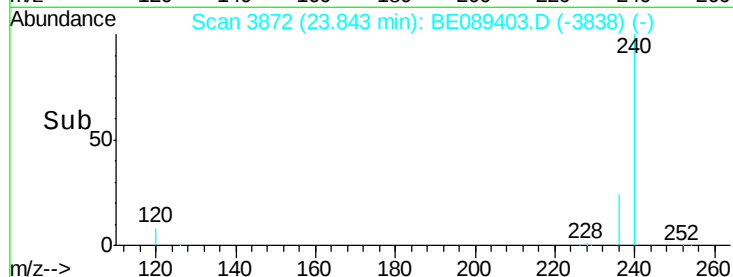
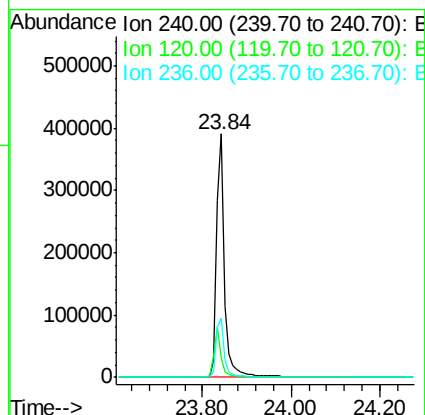
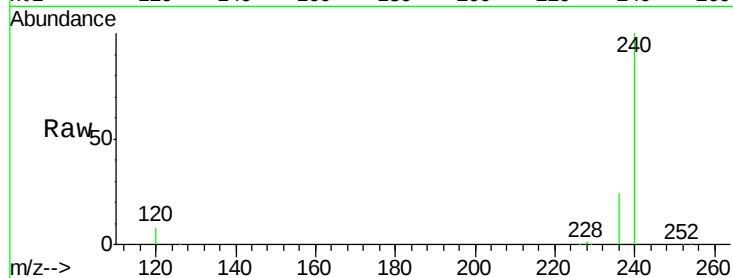




#20  
Chrysene-d12  
Concen: 5.00 ng  
RT: 23.84 min Scan# 3872  
Delta R.T. -0.00 min  
Lab File: BE089403.D  
Acq: 29 Jan 2015 00:27

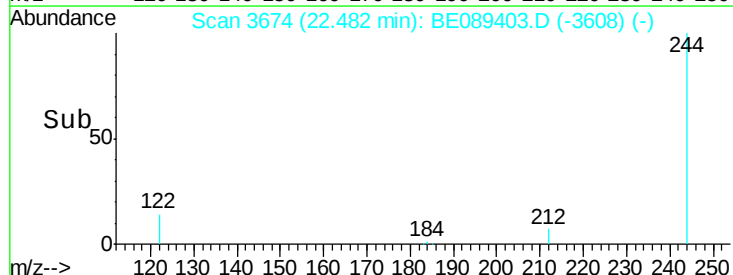
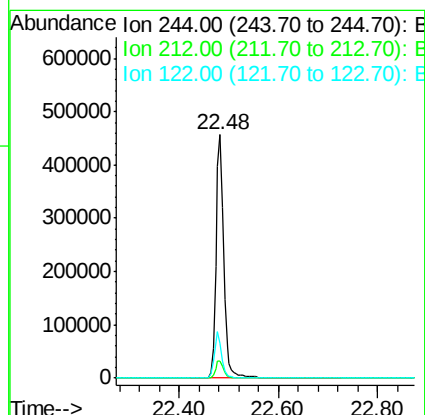
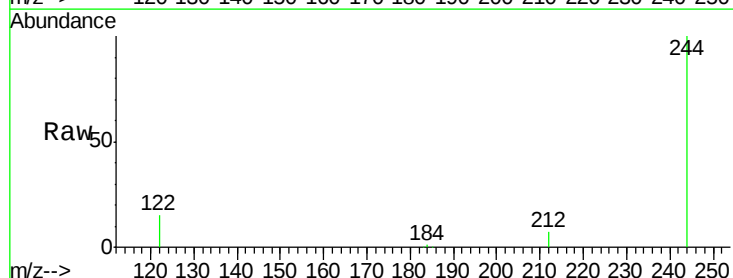
Instrument :  
BNA\_E  
ClientSampleId :  
BEM-7

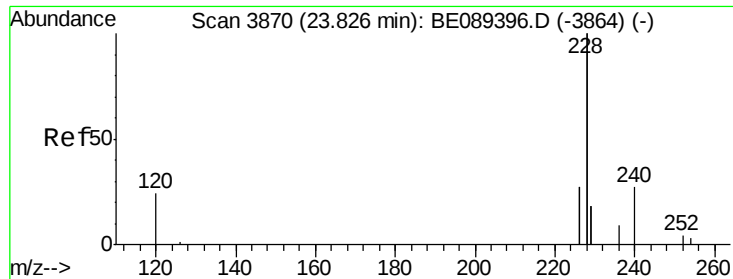
Tgt Ion:240 Resp: 485546  
Ion Ratio Lower Upper  
240 100  
120 7.9 7.1 10.7  
236 24.4 19.5 29.3



#22  
Terphenyl-d14  
Concen: 9.07 ng  
RT: 22.48 min Scan# 3674  
Delta R.T. -0.00 min  
Lab File: BE089403.D  
Acq: 29 Jan 2015 00:27

Tgt Ion:244 Resp: 487849  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.9 8.9  
122 14.5 12.8 19.2





#23

Benzo(a)anthracene

Concen: 0.03 ng

RT: 23.83 min Scan# 3871

Delta R.T. 0.01 min

Lab File: BE089403.D

Acq: 29 Jan 2015 00:27

Instrument :

BNA\_E

ClientSampleId :

BEM-7

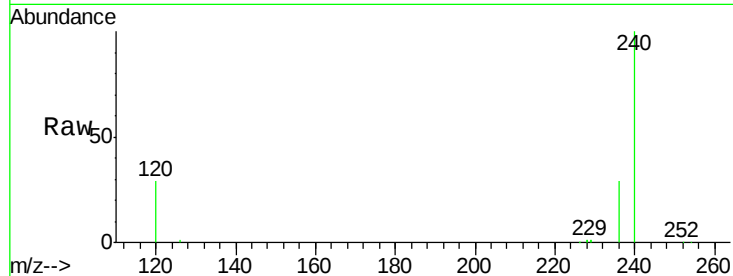
Tgt Ion:228 Resp: 11333

Ion Ratio Lower Upper

228 100

226 25.3 21.8 32.6

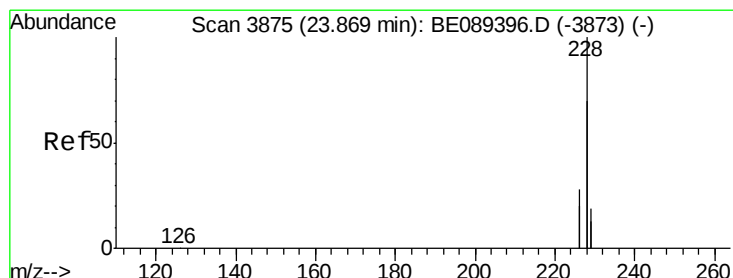
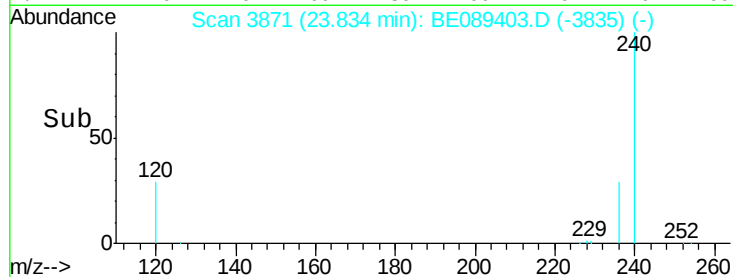
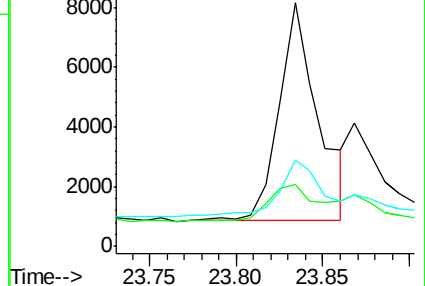
229 35.3 14.5 21.7#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#25

Chrysene

Concen: 0.02 ng

RT: 23.83 min Scan# 3871

Delta R.T. -0.04 min

Lab File: BE089403.D

Acq: 29 Jan 2015 00:27

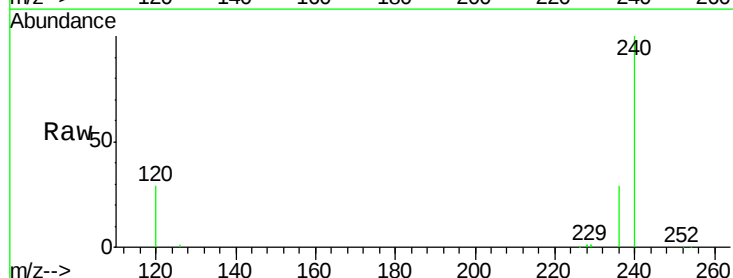
Tgt Ion:228 Resp: 11333

Ion Ratio Lower Upper

228 100

226 25.3 22.7 34.1

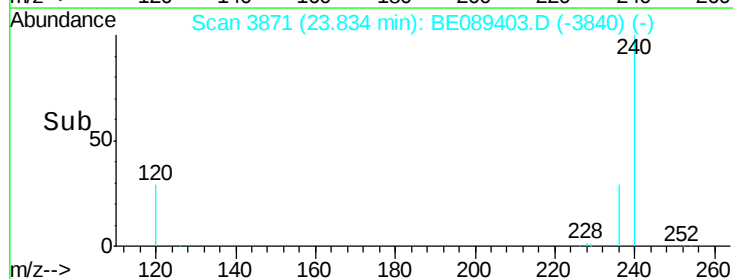
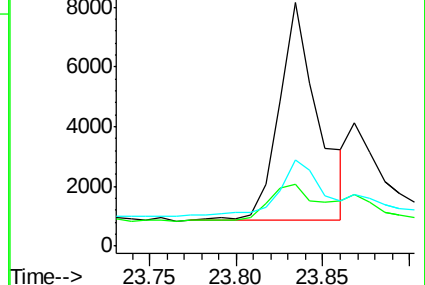
229 35.3 15.2 22.8#

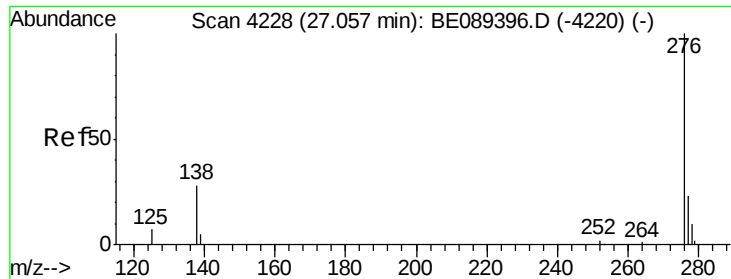


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.02 ng

RT: 27.06 min Scan# 4228

Delta R.T. -0.00 min

Lab File: BE089403.D

Acq: 29 Jan 2015 00:27

Instrument :

BNA\_E

ClientSampleId :

BEM-7

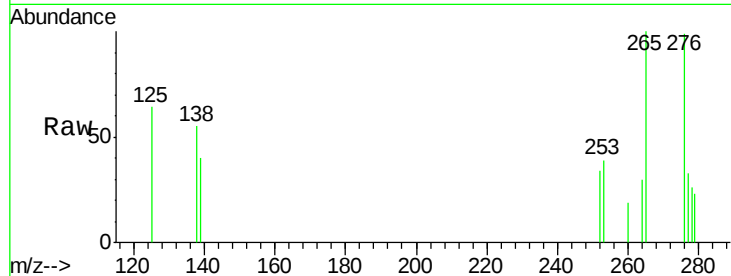
Tgt Ion: 276 Resp: 2721

Ion Ratio Lower Upper

276 100

138 26.9 0.0 0.0#

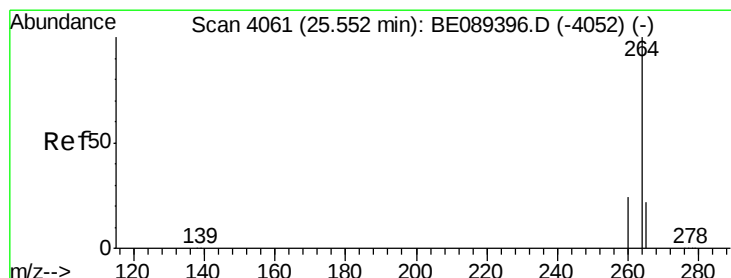
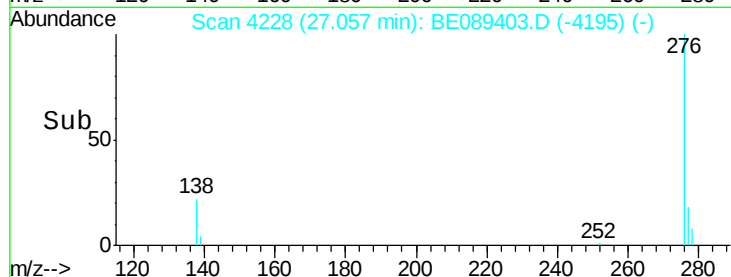
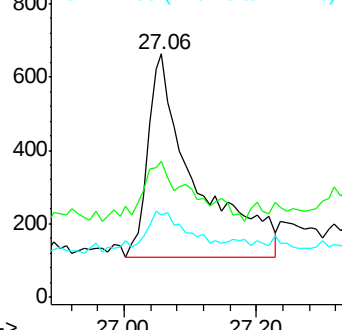
277 16.1 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#27

Perylene-d12

Concen: 5.00 ng

RT: 25.55 min Scan# 4061

Delta R.T. -0.00 min

Lab File: BE089403.D

Acq: 29 Jan 2015 00:27

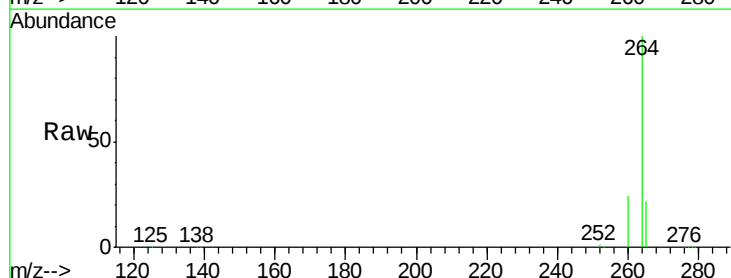
Tgt Ion: 264 Resp: 589810

Ion Ratio Lower Upper

264 100

260 23.9 18.9 28.3

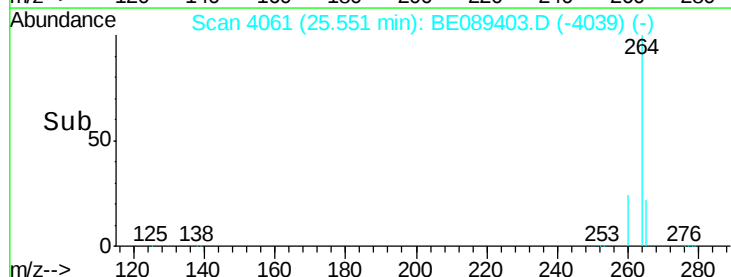
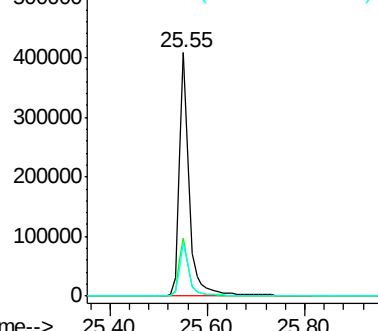
265 21.7 17.5 26.3

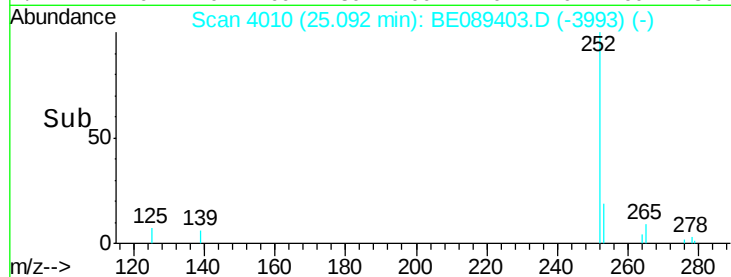
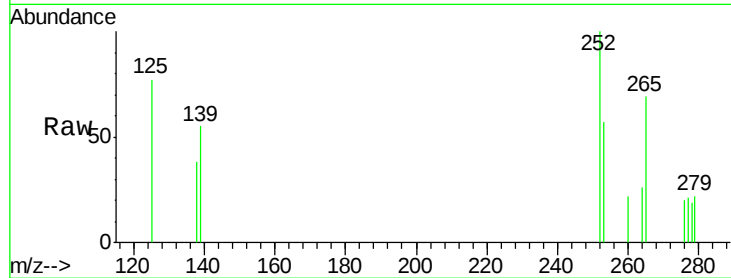
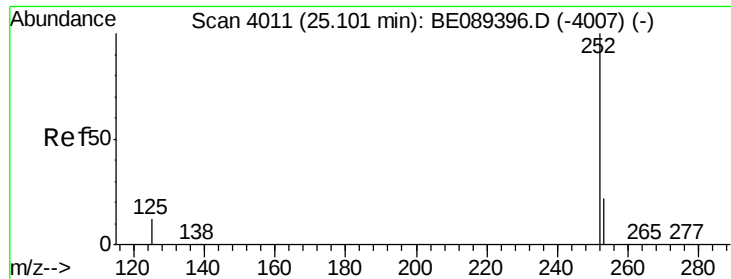


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#28

Benzo(b)fluoranthene

Concen: 0.03 ng

RT: 25.09 min Scan# 4010

Delta R.T. -0.01 min

Lab File: BE089403.D

Acq: 29 Jan 2015 00:27

Instrument :

BNA\_E

ClientSampleId :

BEM-7

Tgt Ion: 252 Resp: 2617

Ion Ratio Lower Upper

252 100

253 57.3 17.6 26.4#

125 76.7 9.8 14.6#

