

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE061217\  
 Data File : BE093107.D  
 Acq On : 12 Jun 2017 18:29  
 Operator : SJ/MA  
 Sample : PB99586BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB99586BL

Quant Time: Jun 13 01:45:58 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE061217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 12 14:07:54 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.75  | 152  | 579      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.53 | 136  | 2347     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.37 | 164  | 1016     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.13 | 188  | 2077     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.27 | 240  | 2484     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.67 | 264  | 2242     | 0.40 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.35  | 112  | 643      | 0.38 | ng    | 0.00     |
| 5) Phenol-d6                | 6.90  | 99   | 824      | 0.33 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.88  | 82   | 625      | 0.33 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.11 | 152  | 1161     | 0.33 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.85 | 330  | 69       | 0.30 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 12.99 | 172  | 1700     | 0.39 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.11 | 212  | 2045     | 0.30 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.72 | 244  | 1849     | 0.39 | ng    | 0.00     |

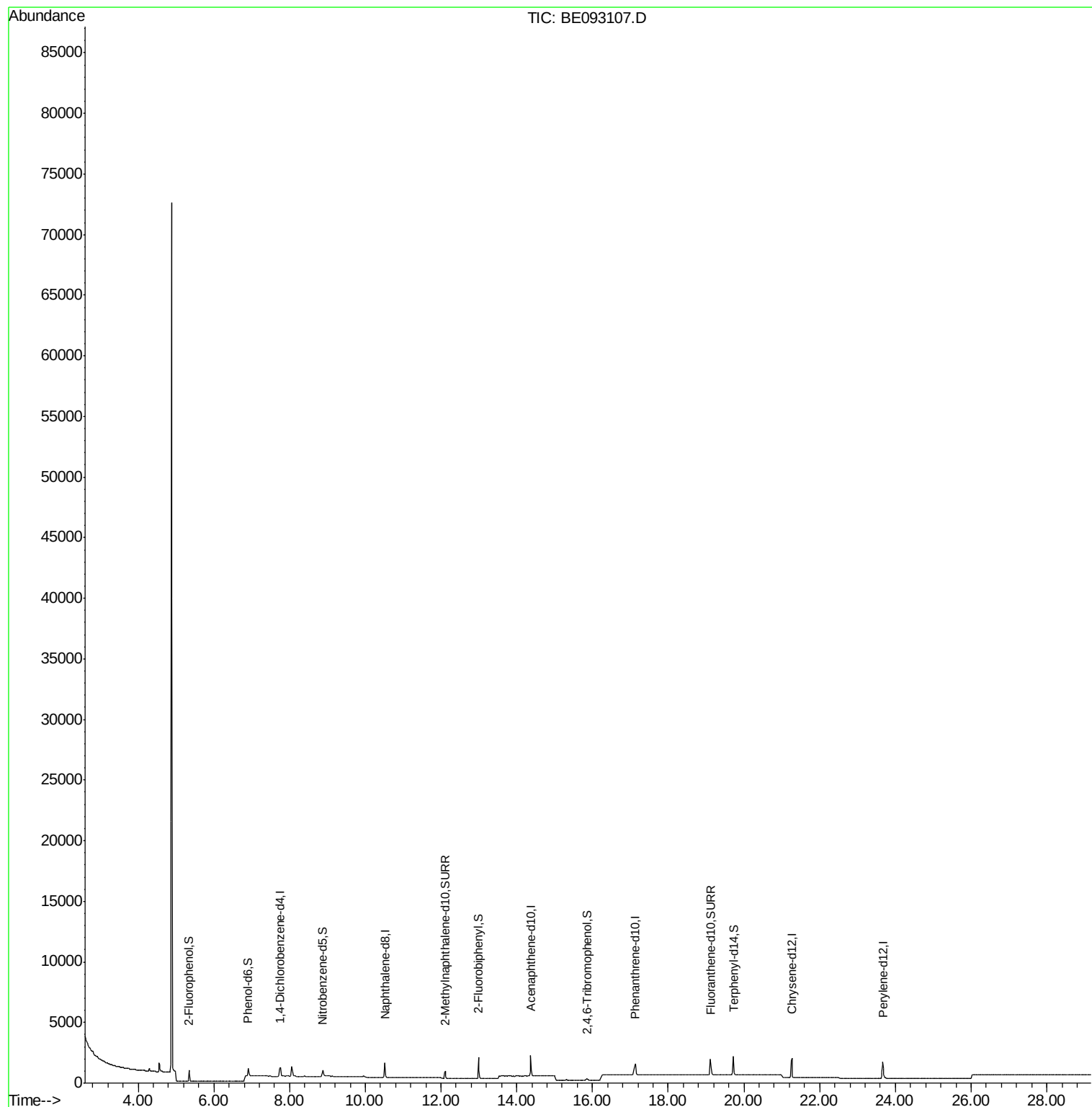
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

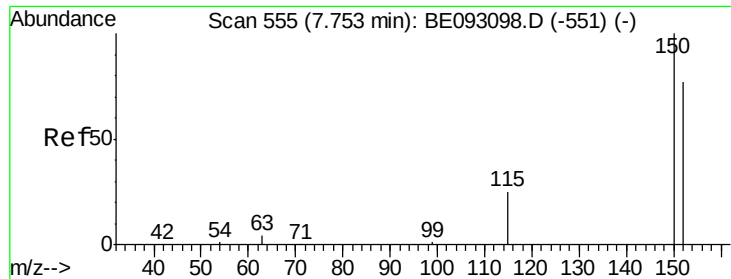
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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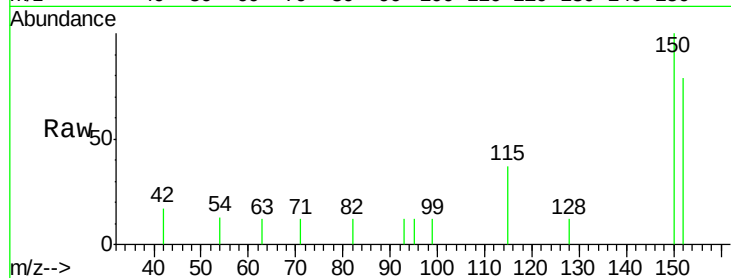


#1

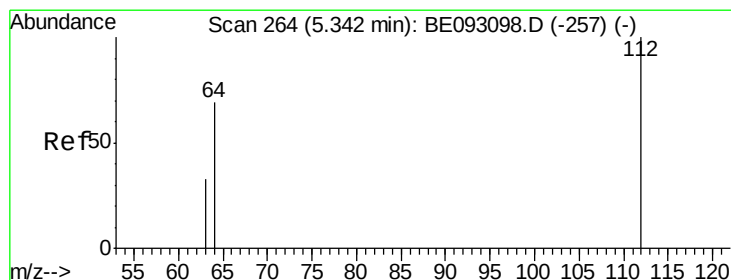
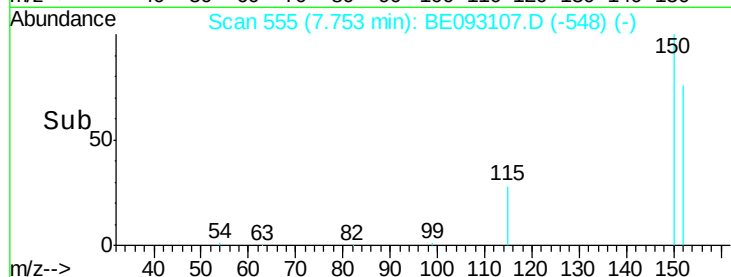
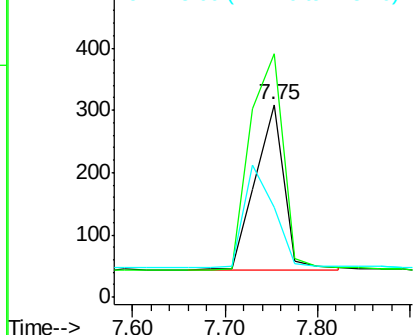
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.75 min Scan# 555  
Delta R.T. 0.00 min  
Lab File: BE093107.D  
Acq: 12 Jun 2017 18:29

Instrument :  
BNA\_E  
ClientSampled :  
PB99586BL

Tgt Ion:152 Resp: 579  
Ion Ratio Lower Upper  
152 100  
150 126.5 125.1 187.7  
115 46.9 55.7 83.5#



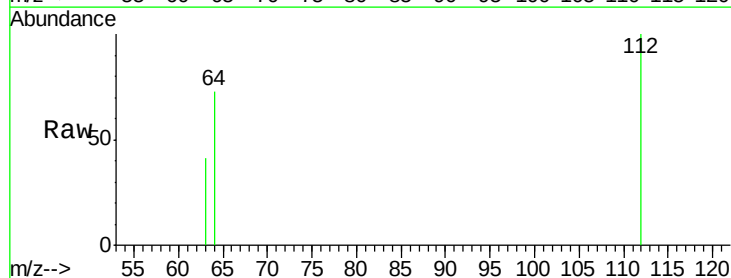
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



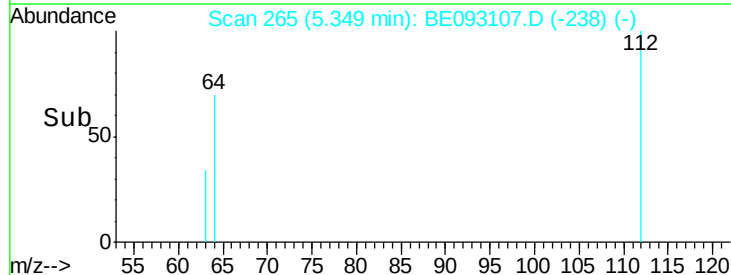
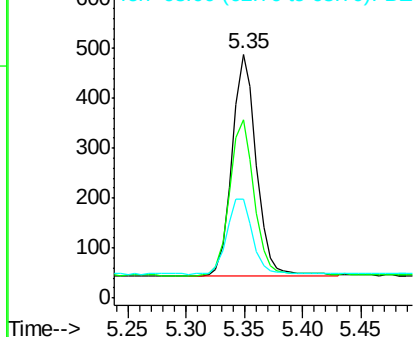
#4

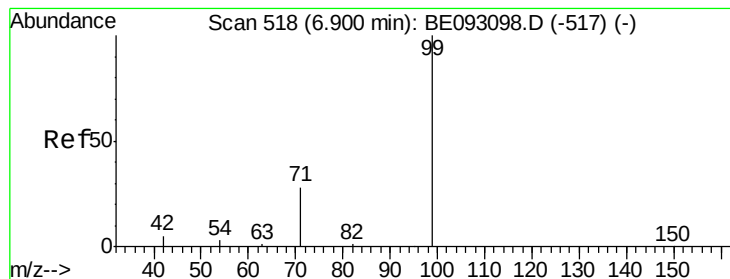
2-Fluorophenol  
Concen: 0.376 ng  
RT: 5.35 min Scan# 265  
Delta R.T. 0.01 min  
Lab File: BE093107.D  
Acq: 12 Jun 2017 18:29

Tgt Ion:112 Resp: 643  
Ion Ratio Lower Upper  
112 100  
64 71.4 56.4 84.6  
63 36.7 29.3 43.9



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: 0.329 ng

RT: 6.90 min Scan# 518

Delta R.T. 0.00 min

Lab File: BE093107.D

Acq: 12 Jun 2017 18:29

Instrument :

BNA\_E

ClientSampled :

PB99586BL

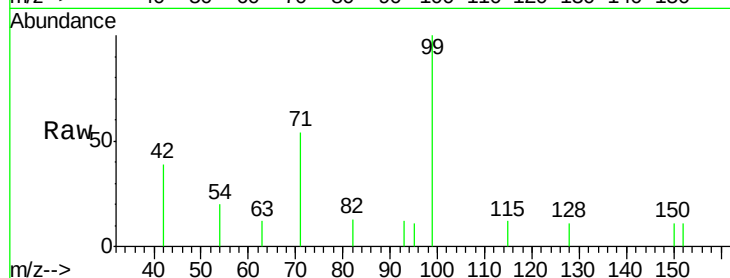
Tgt Ion: 99 Resp: 824

Ion Ratio Lower Upper

99 100

42 21.5 0.0 0.0#

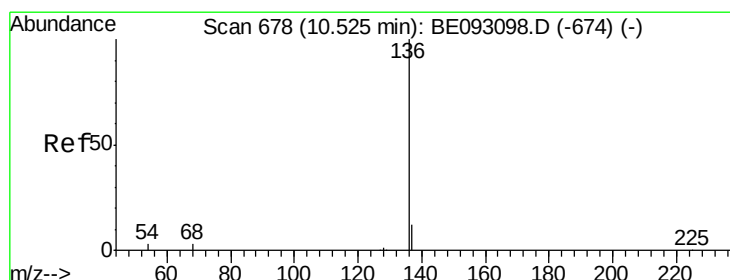
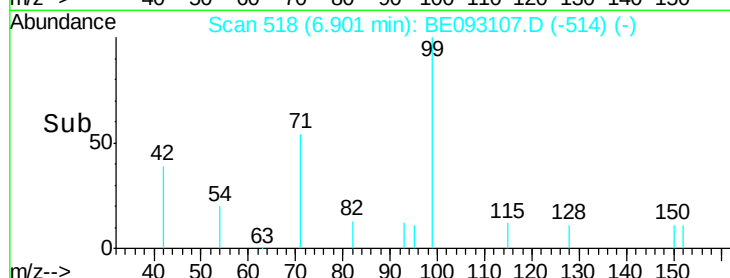
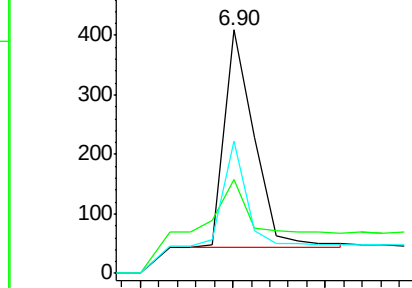
71 36.9 0.0 0.0#



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: 10.53 min Scan# 678

Delta R.T. 0.00 min

Lab File: BE093107.D

Acq: 12 Jun 2017 18:29

Tgt Ion: 136 Resp: 2347

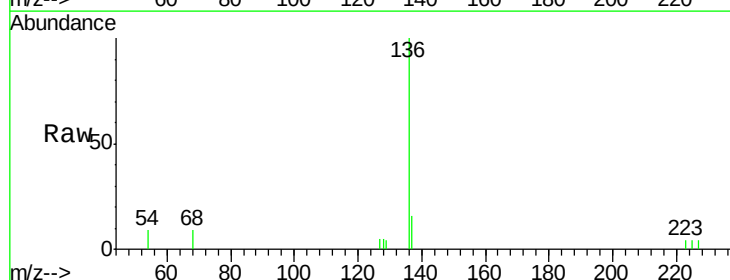
Ion Ratio Lower Upper

136 100

137 16.0 9.8 14.8#

54 8.9 10.3 15.5#

68 8.6 9.0 13.4#

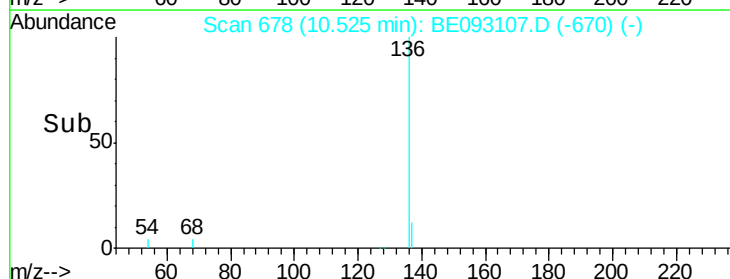
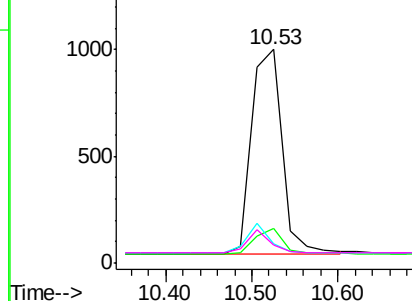


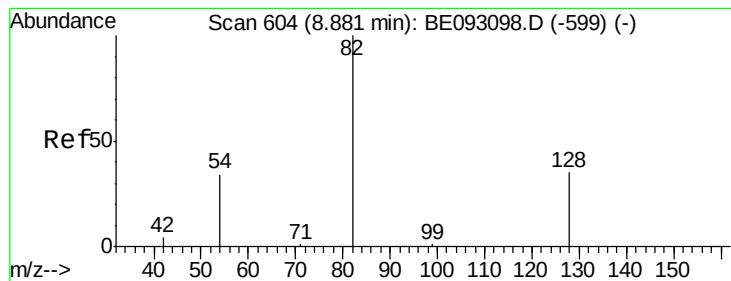
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.334 ng

RT: 8.88 min Scan# 604

Delta R.T. 0.00 min

Lab File: BE093107.D

Acq: 12 Jun 2017 18:29

Instrument :

BNA\_E

ClientSampleId :

PB99586BL

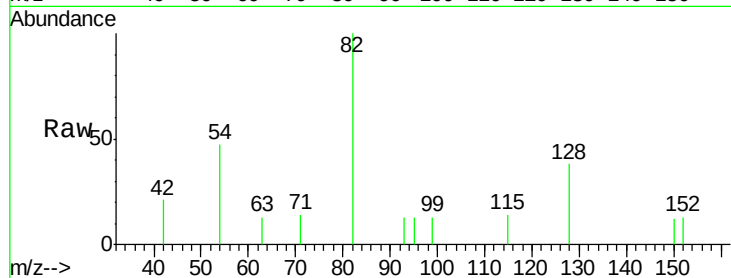
Tgt Ion: 82 Resp: 625

Ion Ratio Lower Upper

82 100

128 38.0 17.0 25.4#

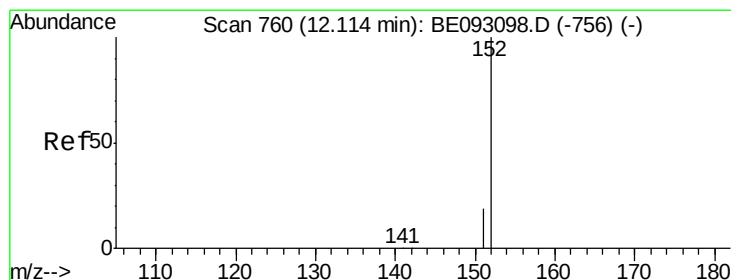
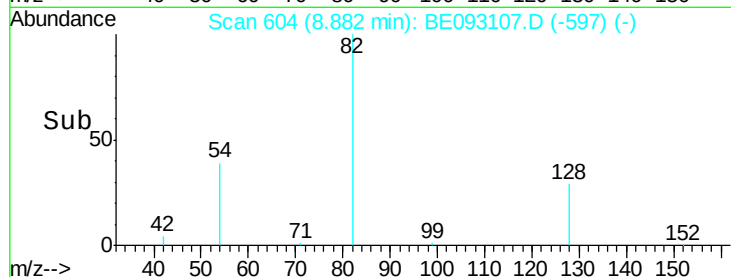
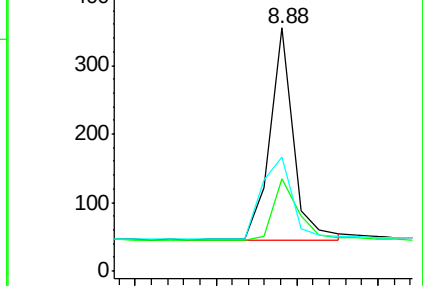
54 47.0 53.8 80.6#



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: 0.329 ng

RT: 12.11 min Scan# 760

Delta R.T. 0.00 min

Lab File: BE093107.D

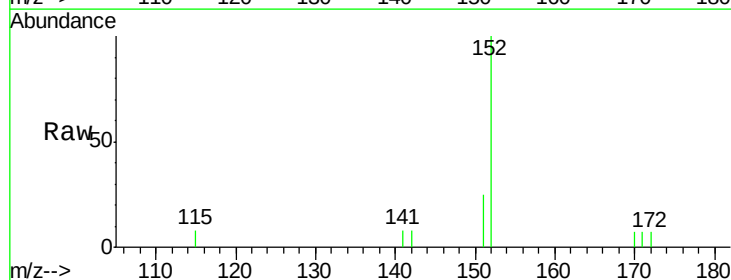
Acq: 12 Jun 2017 18:29

Tgt Ion: 152 Resp: 1161

Ion Ratio Lower Upper

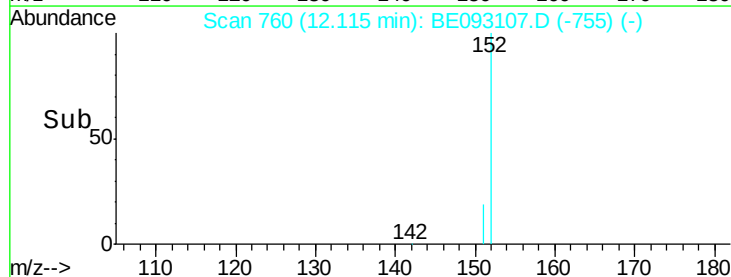
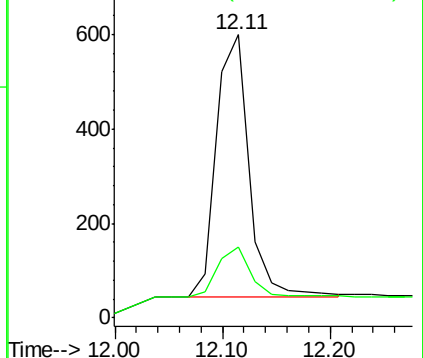
152 100

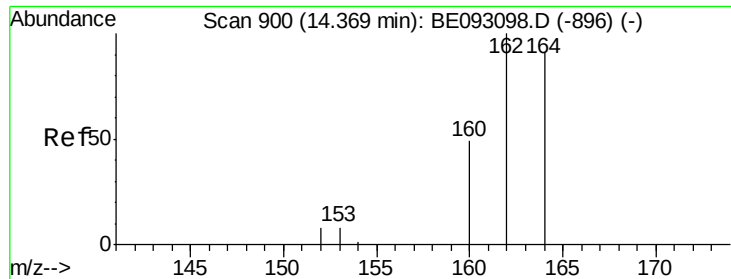
151 19.6 15.1 22.7



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: 14.37 min Scan# 900

Delta R.T. 0.00 min

Lab File: BE093107.D

Acq: 12 Jun 2017 18:29

Instrument :

BNA\_E

ClientSampleId :

PB99586BL

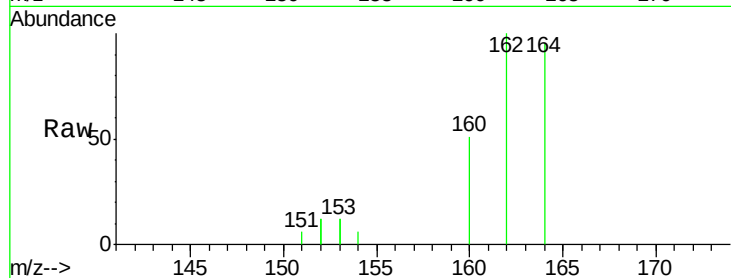
Tgt Ion:164 Resp: 1016

Ion Ratio Lower Upper

164 100

162 104.7 84.6 127.0

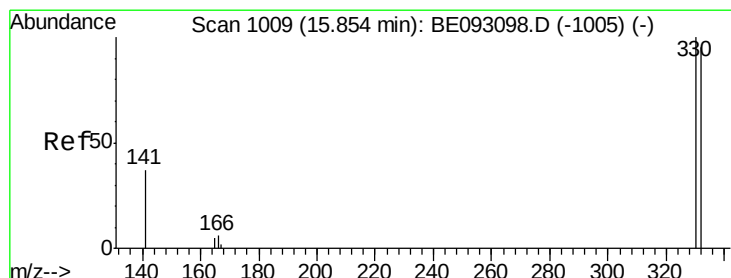
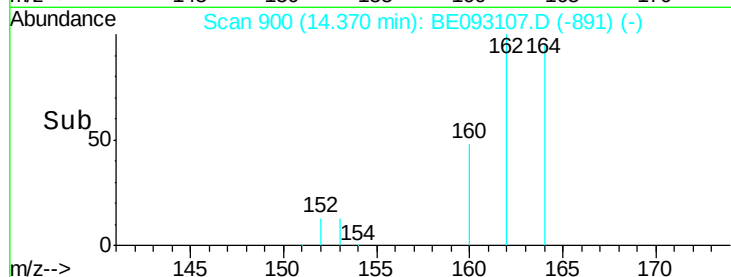
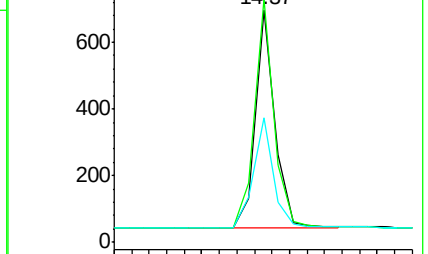
160 53.8 41.8 62.6



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: 0.298 ng

RT: 15.85 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE093107.D

Acq: 12 Jun 2017 18:29

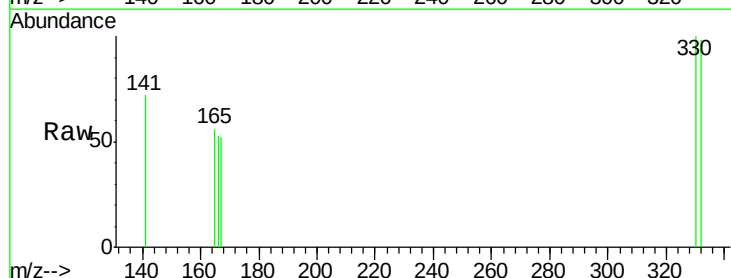
Tgt Ion:330 Resp: 69

Ion Ratio Lower Upper

330 100

332 100.0 77.7 116.5

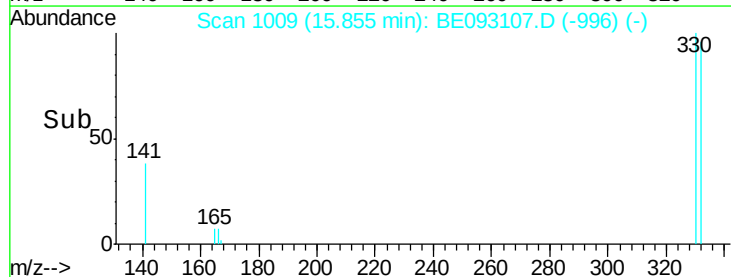
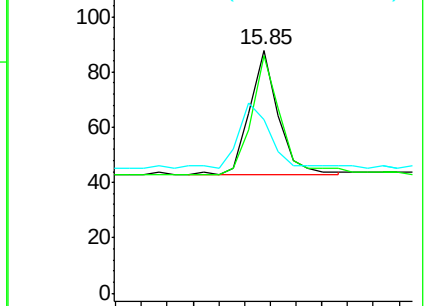
141 63.8 56.2 84.4

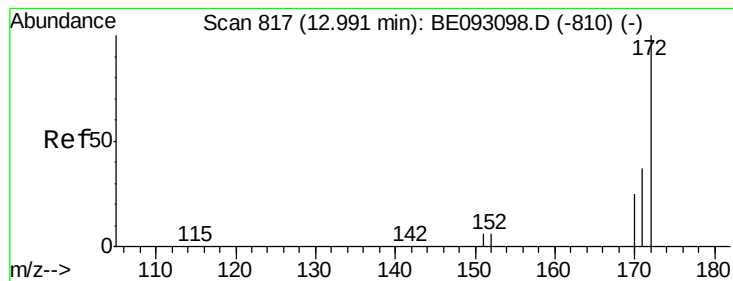


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

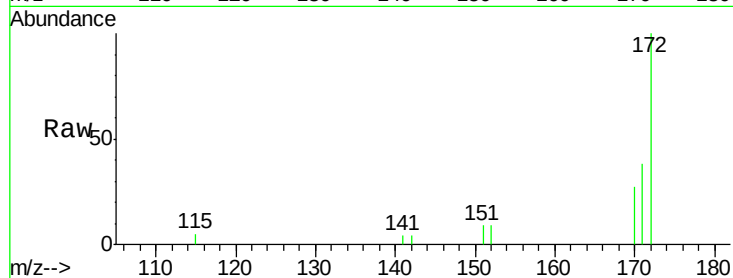




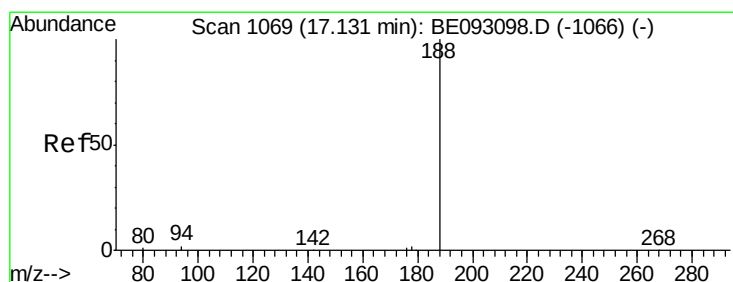
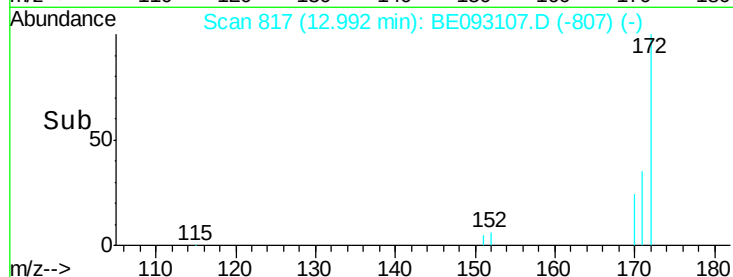
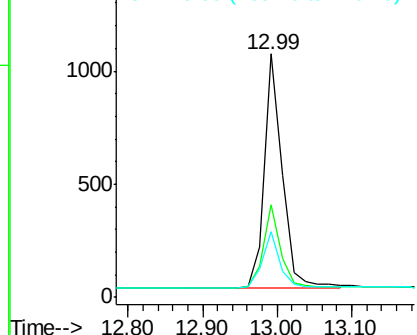
#15  
2-Fluorobiphenyl  
Concen: 0.392 ng  
RT: 12.99 min Scan# 817  
Delta R.T. 0.00 min  
Lab File: BE093107.D  
Acq: 12 Jun 2017 18:29

Instrument :  
BNA\_E  
ClientSampleId :  
PB99586BL

Tgt Ion:172 Resp: 1700  
Ion Ratio Lower Upper  
172 100  
171 38.1 29.8 44.6  
170 27.2 20.7 31.1

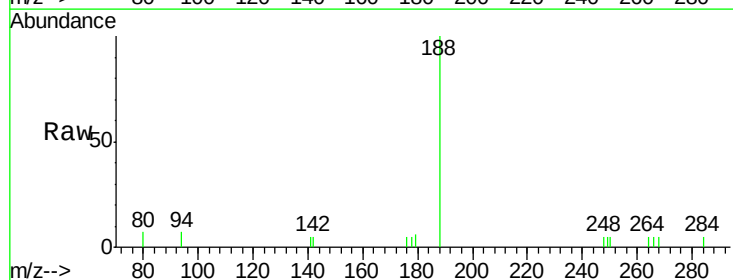


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

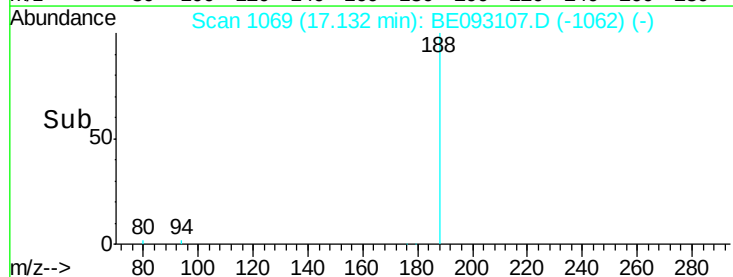
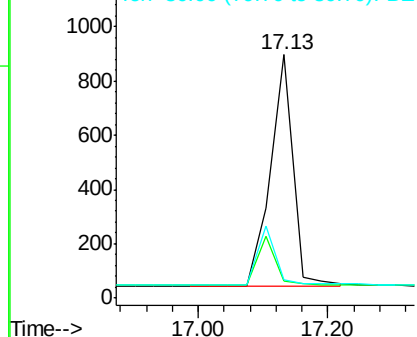


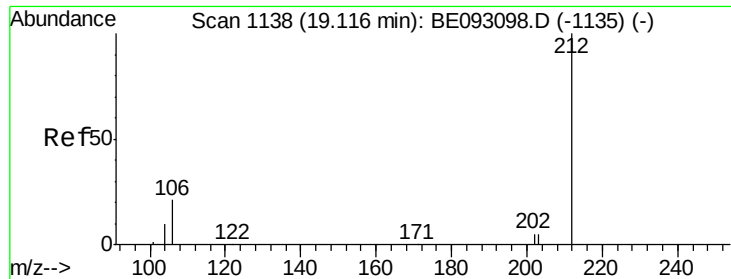
#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.13 min Scan# 1069  
Delta R.T. 0.00 min  
Lab File: BE093107.D  
Acq: 12 Jun 2017 18:29

Tgt Ion:188 Resp: 2077  
Ion Ratio Lower Upper  
188 100  
94 7.2 11.3 16.9#  
80 7.4 11.7 17.5#



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

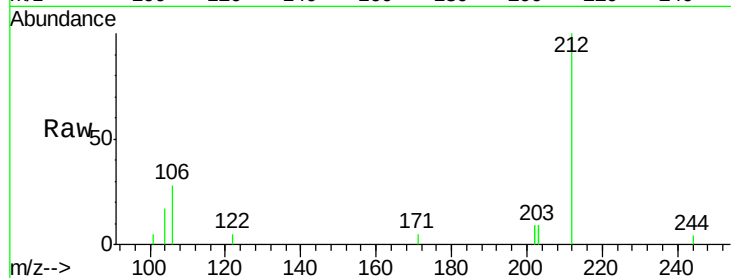




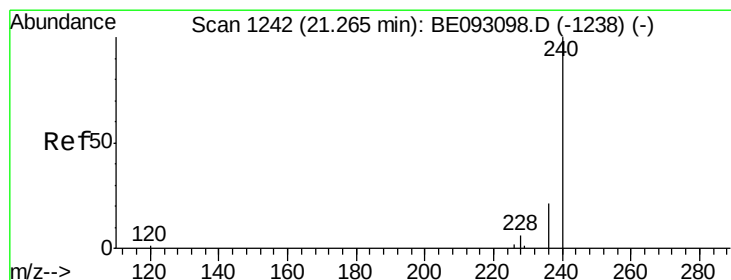
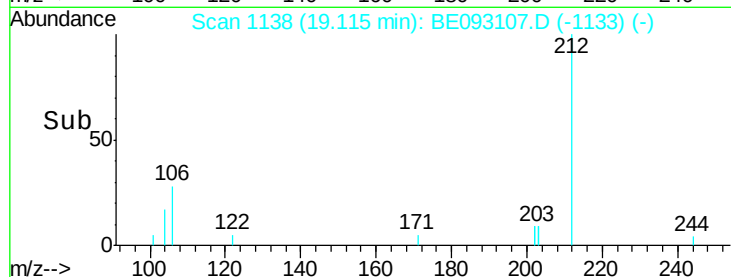
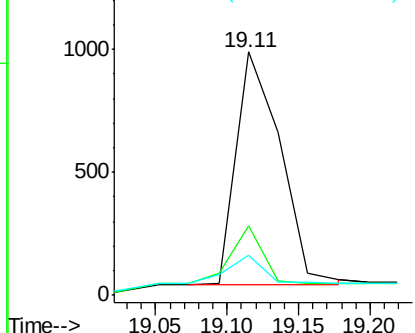
#25  
 Fluoranthene-d10  
 Concen: 0.299 ng  
 RT: 19.11 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: BE093107.D  
 Acq: 12 Jun 2017 18:29

Instrument :  
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 ClientSampleId :  
 PB99586BL

Tgt Ion: 212 Resp: 2045  
 Ion Ratio Lower Upper  
 212 100  
 106 18.3 0.0 0.0#  
 104 10.1 0.0 0.0#

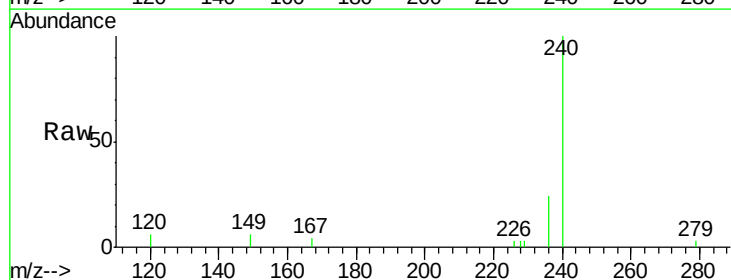


Abundance Ion 212.00 (211.70 to 212.70): E  
 Ion 106.00 (105.70 to 106.70): E  
 Ion 104.00 (103.70 to 104.70): E

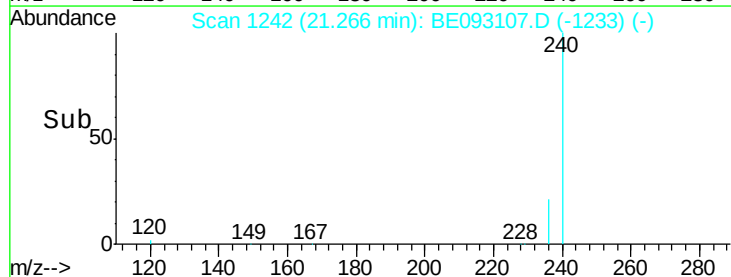
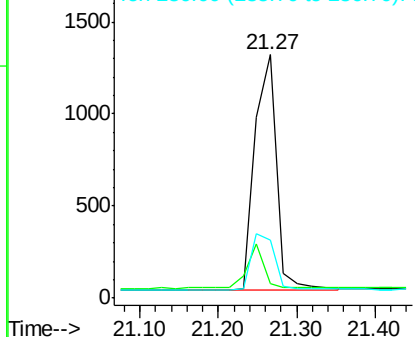


#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.27 min Scan# 1242  
 Delta R.T. 0.00 min  
 Lab File: BE093107.D  
 Acq: 12 Jun 2017 18:29

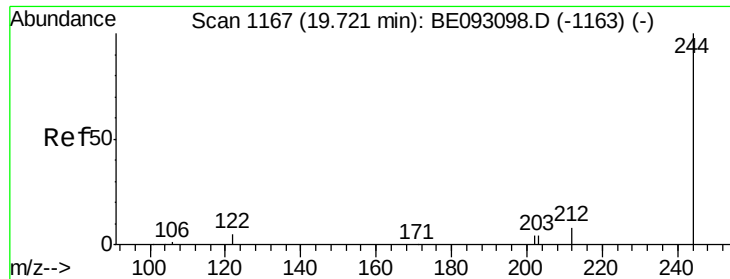
Tgt Ion: 240 Resp: 2484  
 Ion Ratio Lower Upper  
 240 100  
 120 5.7 4.6 7.0  
 236 23.9 20.8 31.2



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: 0.386 ng

RT: 19.72 min Scan# 1167

Delta R.T. -0.00 min

Lab File: BE093107.D

Acq: 12 Jun 2017 18:29

Instrument :

BNA\_E

ClientSampleId :

PB99586BL

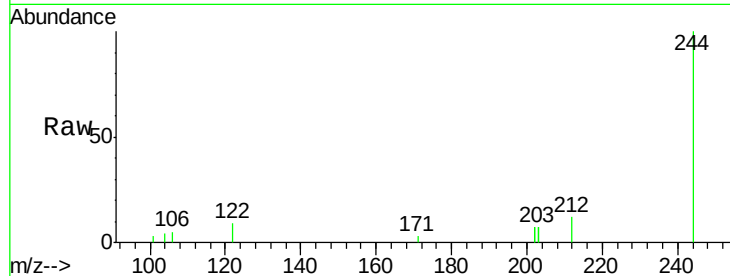
Tgt Ion:244 Resp: 1849

Ion Ratio Lower Upper

244 100

212 11.8 10.6 16.0

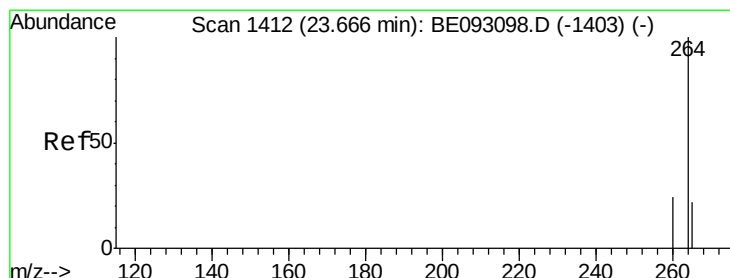
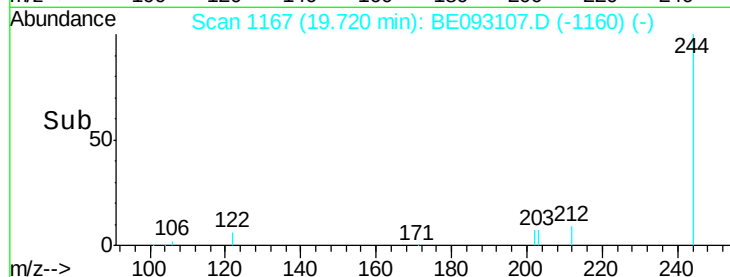
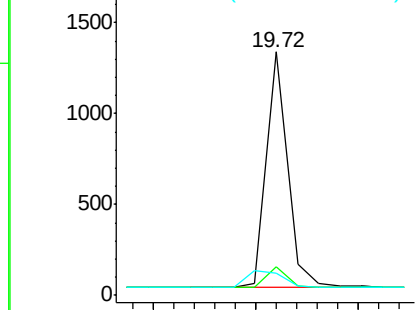
122 9.3 15.4 23.0#



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.67 min Scan# 1412

Delta R.T. 0.00 min

Lab File: BE093107.D

Acq: 12 Jun 2017 18:29

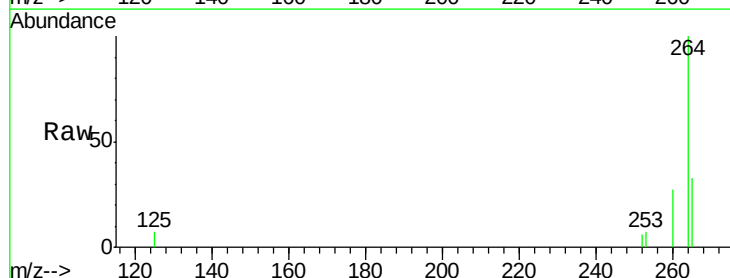
Tgt Ion:264 Resp: 2242

Ion Ratio Lower Upper

264 100

260 27.2 21.0 31.4

265 33.1 24.6 36.8



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

