

Data Path : Z:\HPCHEM1\BNA E\DATA\BE071917\  
 Data File : BE093484.D  
 Acq On : 19 Jul 2017 14:44  
 Operator : SJ/JU  
 Sample : I4199-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Quant Time: Jul 20 12:02:04 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE070217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 03 06:40:23 2017  
 Response via : Initial Calibration

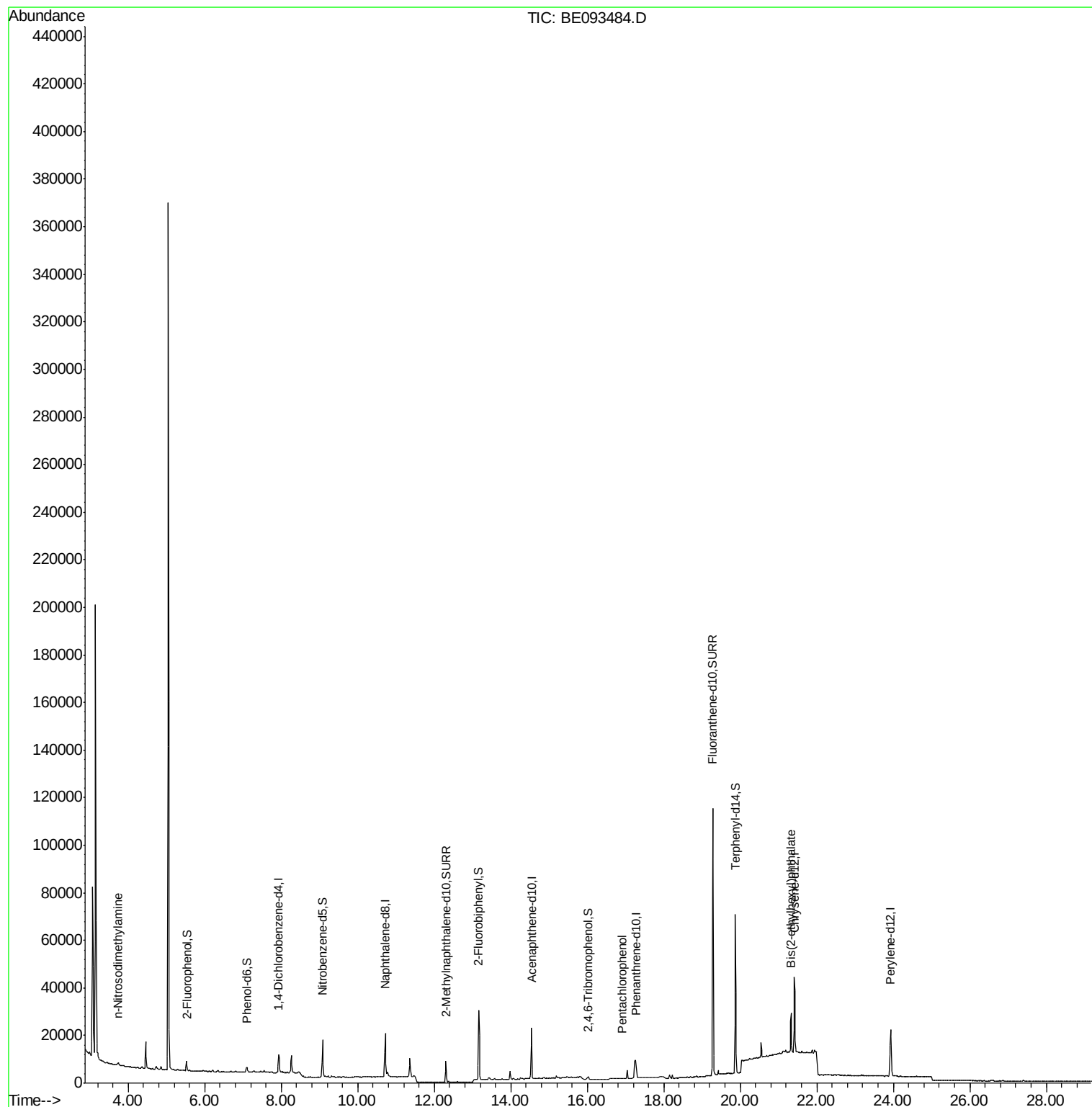
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)   |
|--------------------------------|-------|------|----------|-------|-------|------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.93  | 152  | 3826     | 0.40  | ng    | -0.01      |
| 7) Naphthalene-d8              | 10.72 | 136  | 21359    | 0.40  | ng    | 0.00       |
| 13) Acenaphthene-d10           | 14.54 | 164  | 13445    | 0.40  | ng    | 0.00       |
| 19) Phenanthrene-d10           | 17.27 | 188  | 20757    | 0.40  | ng    | 0.00       |
| 27) Chrysene-d12               | 21.42 | 240  | 35044    | 0.40  | ng    | -0.01      |
| 34) Perylene-d12               | 23.93 | 264  | 30490    | 0.40  | ng    | 0.00       |
| System Monitoring Compounds    |       |      |          |       |       |            |
| 4) 2-Fluorophenol              | 5.53  | 112  | 2108     | 0.18  | ng    | 0.00       |
| 5) Phenol-d6                   | 7.10  | 99   | 2234     | 0.13  | ng    | 0.00       |
| 8) Nitrobenzene-d5             | 9.08  | 82   | 5966     | 0.44  | ng    | 0.00       |
| 11) 2-Methylnaphthalene-d10    | 12.30 | 152  | 12090    | 0.35  | ng    | 0.00       |
| 14) 2,4,6-Tribromophenol       | 16.03 | 330  | 1220     | 0.29  | ng    | 0.00       |
| 15) 2-Fluorobiphenyl           | 13.16 | 172  | 28401    | 0.54  | ng    | -0.01      |
| 25) Fluoranthene-d10           | 19.28 | 212  | 144471   | 0.58  | ng    | 0.00       |
| 29) Terphenyl-d14              | 19.87 | 244  | 55894    | 0.89  | ng    | 0.00       |
| Target Compounds               |       |      |          |       |       |            |
| 3) n-Nitrosodimethylamine      | 3.73  | 42   | 296      | 0.175 | ng    | Qvalue # 1 |
| 22) Pentachlorophenol          | 16.91 | 266  | 174      | 0.062 | ng    | 89         |
| 32) Bis(2-ethylhexyl)phthalate | 21.33 | 149  | 21601    | 0.159 | ng    | # 67       |

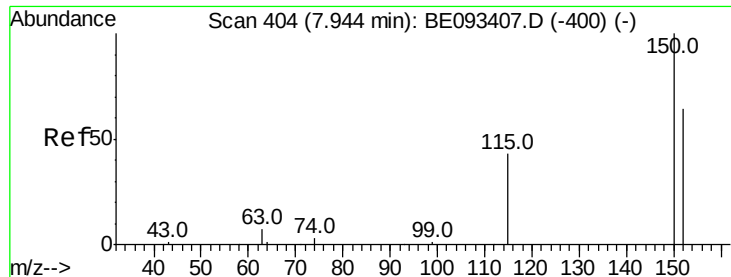
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA E\DATA\BE071917\  
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BNA\_E  
ClientSampleId :

Quant Time: Jul 20 12:02:04 2017  
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE070217.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 03 06:40:23 2017  
Response via : Initial Calibration



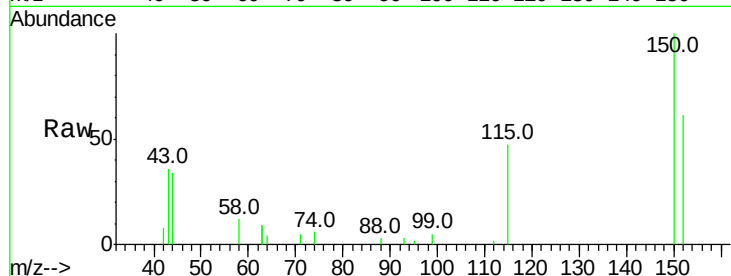


#1

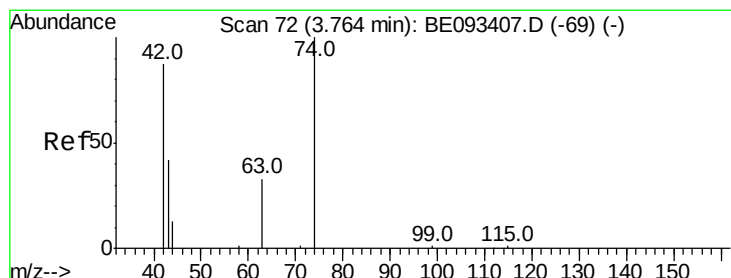
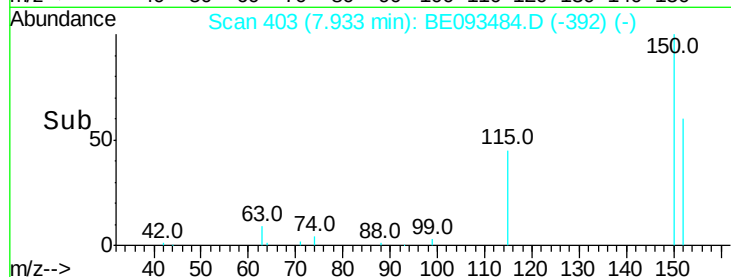
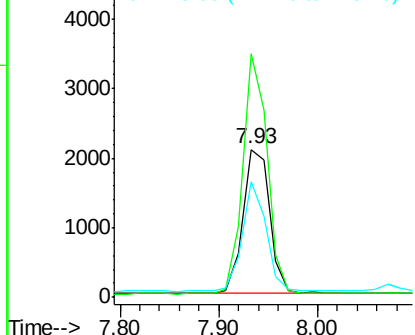
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.93 min Scan# 403  
Delta R.T. -0.01 min  
Lab File: BE093484.D  
Acq: 19 Jul 2017 14:44

Instrument :  
BNA\_E  
ClientSampleId :

Tot Ion:152 Resp: 3826  
Ion Ratio Lower Upper  
152 100  
150 164.6 125.1 187.7  
115 77.7 55.7 83.5



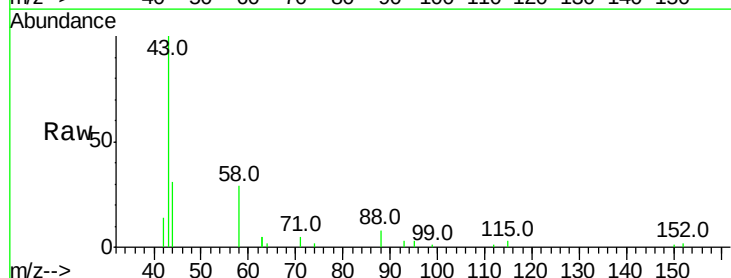
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



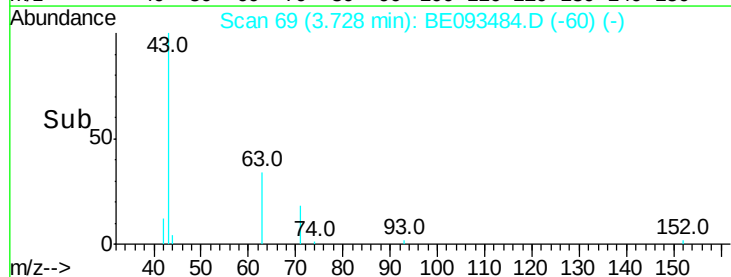
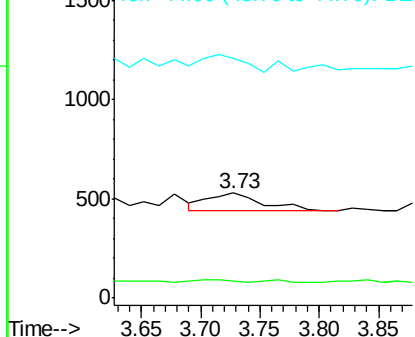
#3

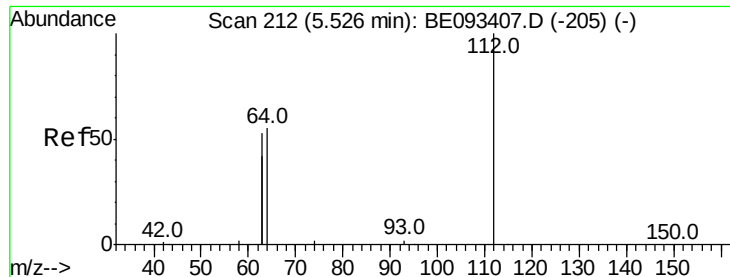
n-Nitrosodimethylamine  
Concen: 0.175 ng  
RT: 3.73 min Scan# 69  
Delta R.T. -0.04 min  
Lab File: BE093484.D  
Acq: 19 Jul 2017 14:44

Tgt Ion: 42 Resp: 296  
Ion Ratio Lower Upper  
42 100  
74 0.0 99.1 148.7#  
44 0.0 7.4 11.2#



Abundance Ion 42.00 (41.70 to 42.70): BE0  
Ion 74.00 (73.70 to 74.70): BE0  
Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.183 ng

RT: 5.53 min Scan# 212

Delta R.T. 0.00 min

Lab File: BE093484.D

Acq: 19 Jul 2017 14:44

Instrument :

BNA\_E

ClientSampleId :

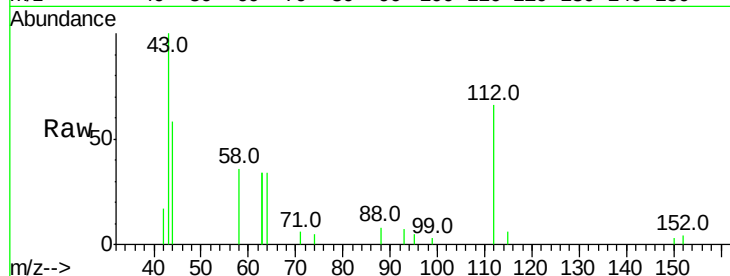
Tot Ion:112 Resp: 2108

Ion Ratio Lower Upper

112 100

64 69.3 56.4 84.6

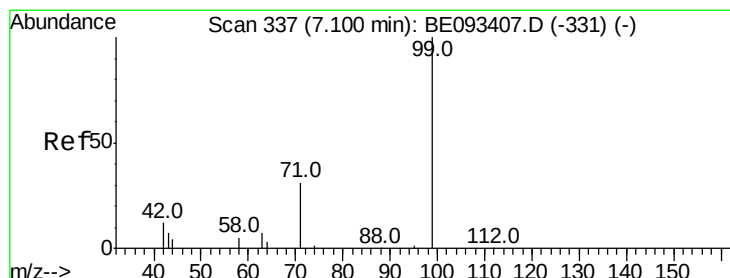
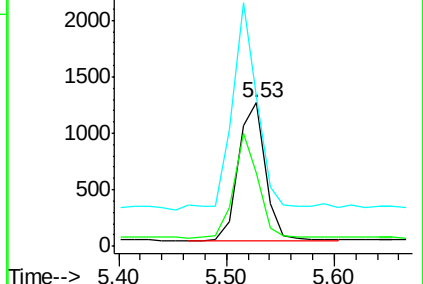
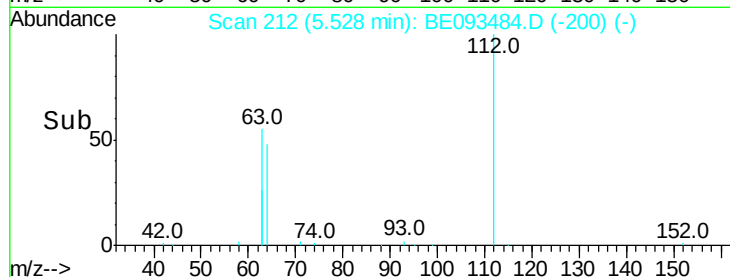
63 142.1 29.3 43.9#



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: 0.131 ng

RT: 7.10 min Scan# 337

Delta R.T. 0.00 min

Lab File: BE093484.D

Acq: 19 Jul 2017 14:44

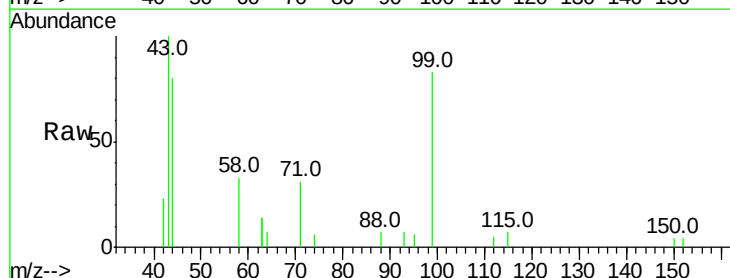
Tgt Ion: 99 Resp: 2234

Ion Ratio Lower Upper

99 100

42 25.2 0.0 0.0#

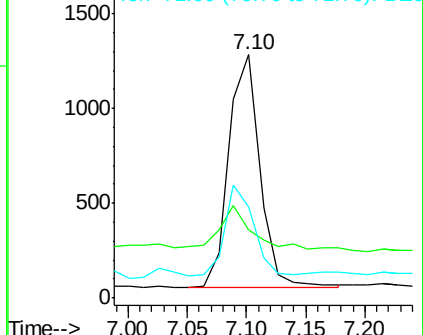
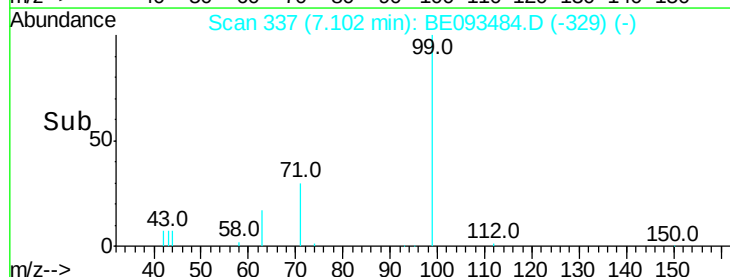
71 36.3 0.0 0.0#

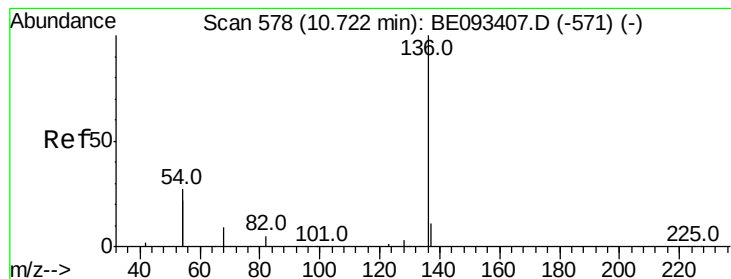


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: 10.72 min Scan# 578

Delta R.T. 0.00 min

Lab File: BE093484.D

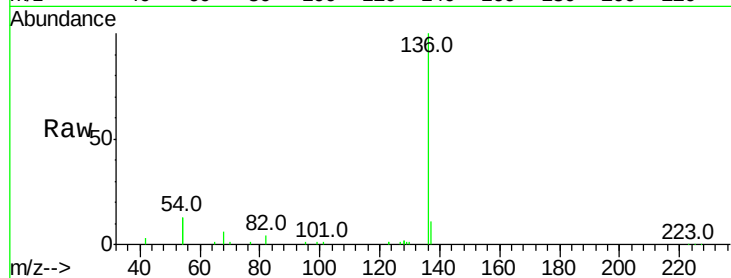
Acq: 19 Jul 2017 14:44

Instrument :

BNA\_E

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tot Ion:136 | Resp: | 21359      |
| Ion Ratio   | Lower | Upper      |
| 136         | 100   |            |
| 137         | 11.1  | 9.8 14.8   |
| 54          | 26.0  | 10.3 15.5# |
| 68          | 5.6   | 9.0 13.4#  |

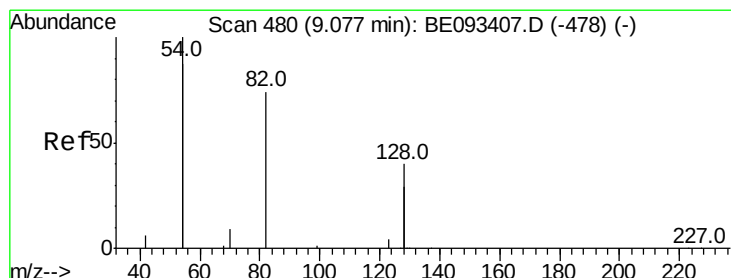
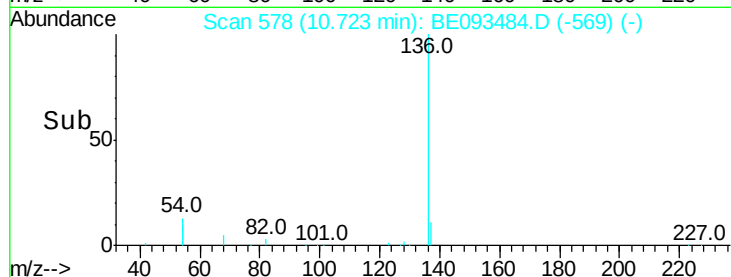
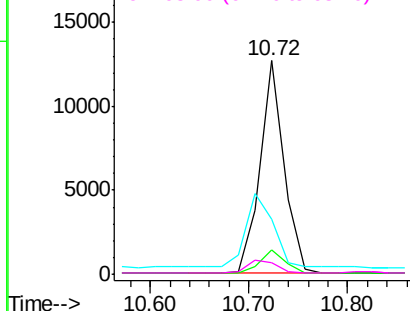


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.437 ng

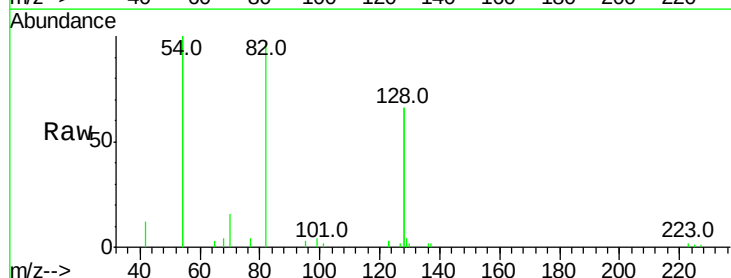
RT: 9.08 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE093484.D

Acq: 19 Jul 2017 14:44

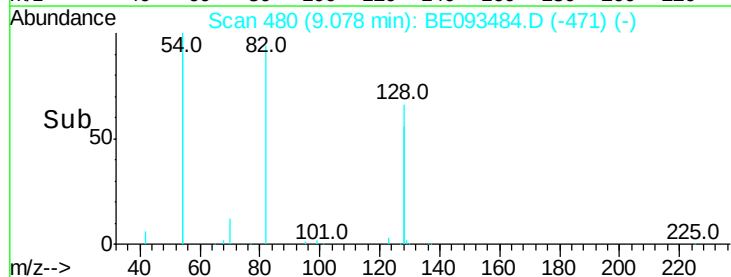
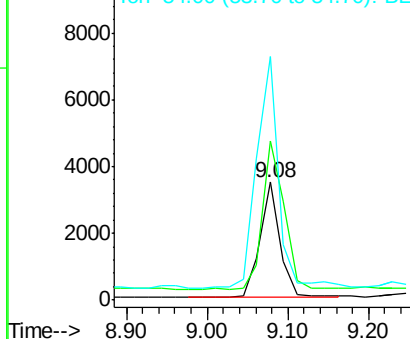
|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 82 | Resp: | 5966       |
| Ion Ratio   | Lower | Upper      |
| 82          | 100   |            |
| 128         | 135.8 | 17.0 25.4# |
| 54          | 207.1 | 53.8 80.6# |

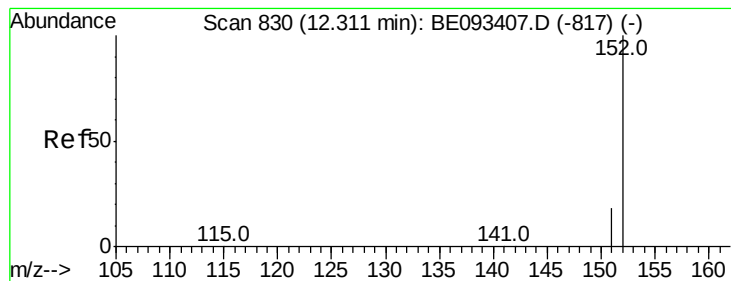


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.355 ng

RT: 12.30 min Scan# 828

Delta R.T. -0.01 min

Lab File: BE093484.D

Acq: 19 Jul 2017 14:44

Instrument :

BNA\_E

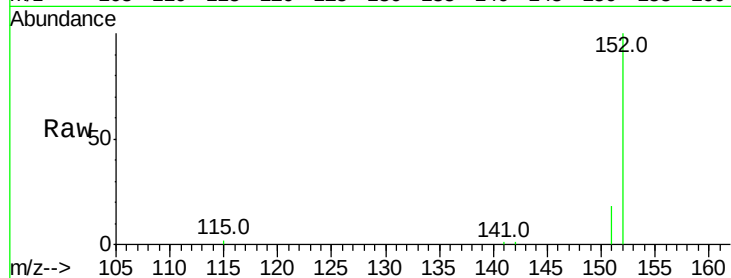
ClientSampleId :

Tot Ion:152 Resp: 12090

Ion Ratio Lower Upper

152 100

151 19.2 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.30

8000

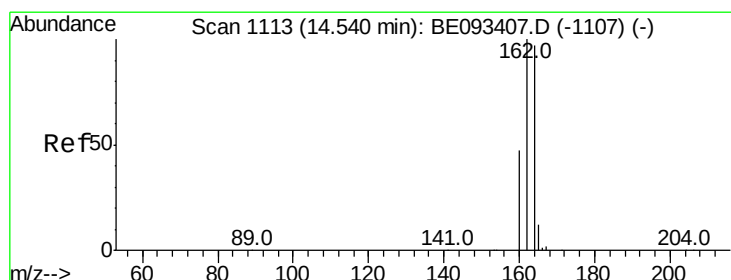
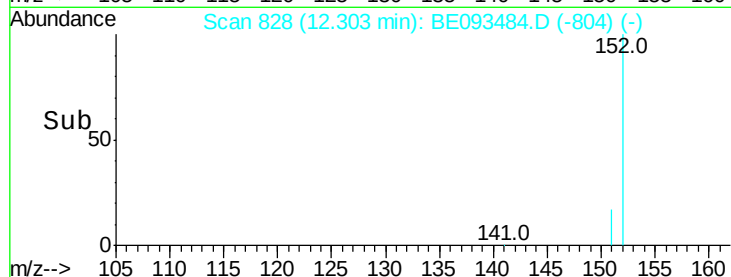
6000

4000

2000

0

Time--> 12.20 12.30 12.40



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.54 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE093484.D

Acq: 19 Jul 2017 14:44

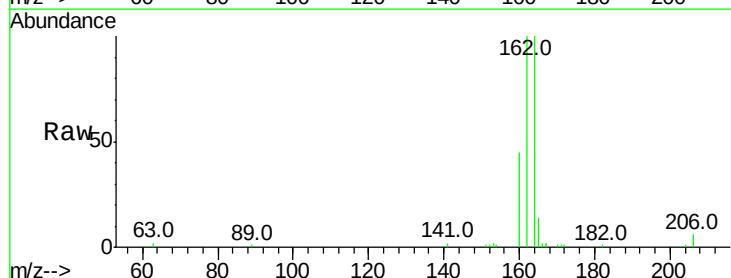
Tgt Ion:164 Resp: 13445

Ion Ratio Lower Upper

164 100

162 99.9 84.6 127.0

160 45.4 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

14.54

10000

8000

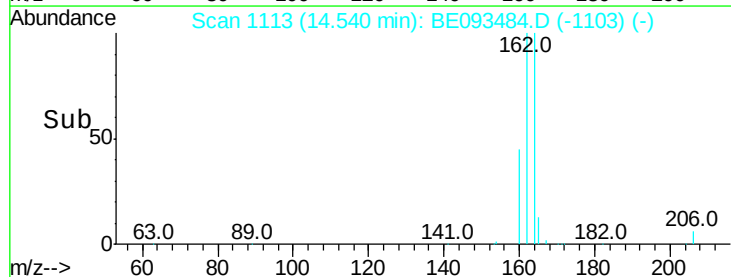
6000

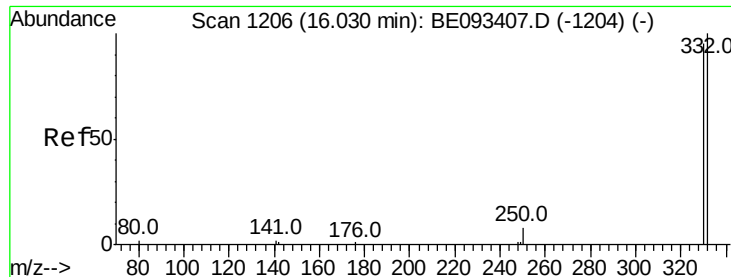
4000

2000

0

Time--> 14.40 14.50 14.60





#14

2,4,6-Tribromophenol

Concen: 0.289 ng

RT: 16.03 min Scan# 1206

Delta R.T. -0.00 min

Lab File: BE093484.D

Acq: 19 Jul 2017 14:44

Instrument :

BNA\_E

ClientSampleId :

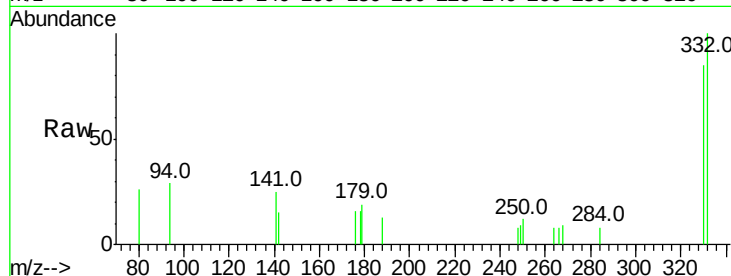
Tot Ion:330 Resp: 1220

Ion Ratio Lower Upper

330 100

332 109.7 77.7 116.5

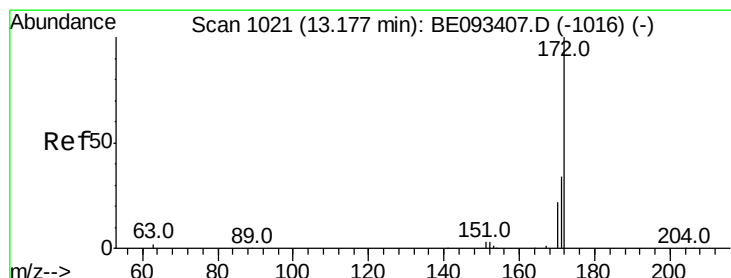
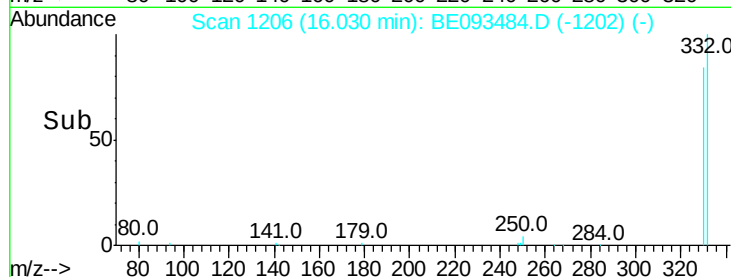
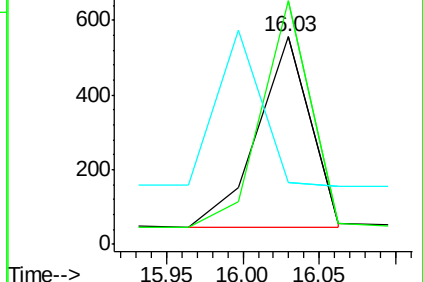
141 0.0 56.2 84.4#



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: 0.544 ng

RT: 13.16 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BE093484.D

Acq: 19 Jul 2017 14:44

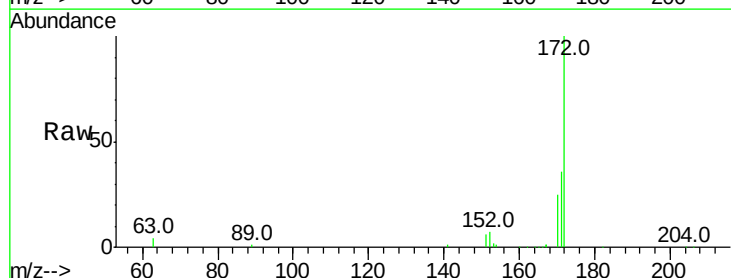
Tgt Ion:172 Resp: 28401

Ion Ratio Lower Upper

172 100

171 36.4 29.8 44.6

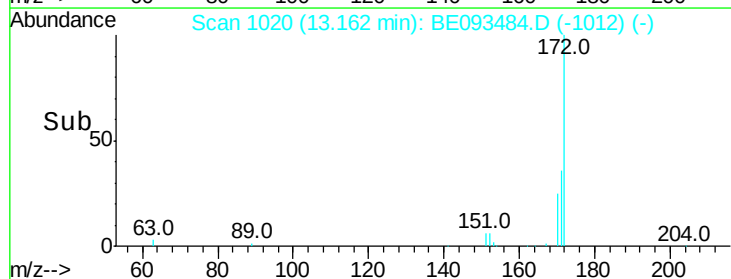
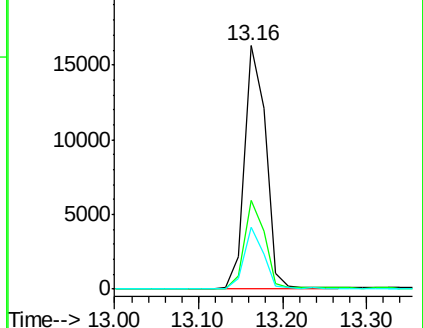
170 25.2 20.7 31.1

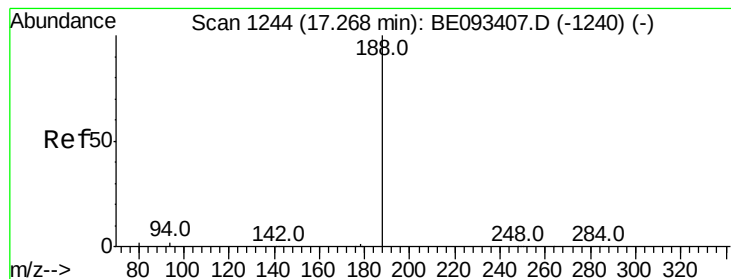


Abundance Ion 172.00 (171.70 to 172.70): E

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: 17.27 min Scan# 1244

Delta R.T. -0.00 min

Lab File: BE093484.D

Acq: 19 Jul 2017 14:44

Instrument :

BNA\_E

ClientSampled :

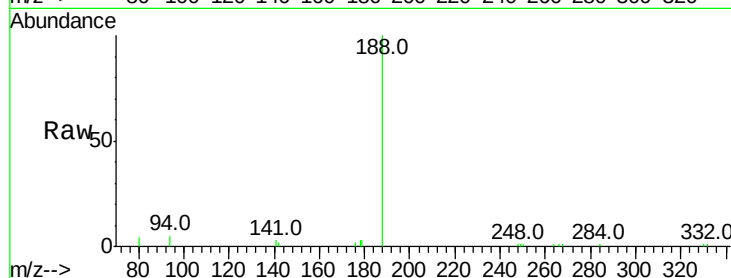
Tot Ion:188 Resp: 20757

Ion Ratio Lower Upper

188 100

94 4.8 11.3 16.9#

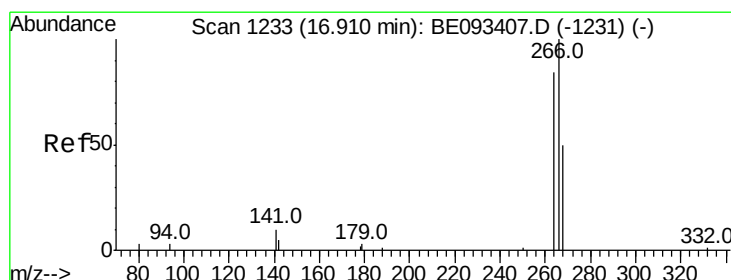
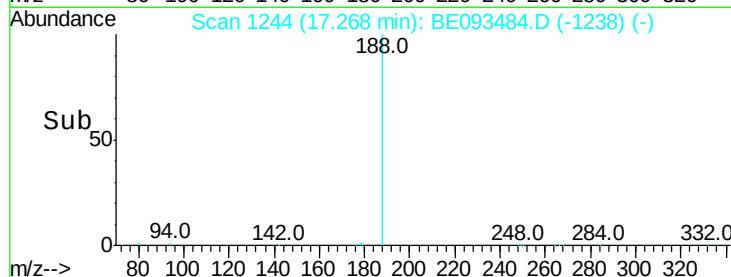
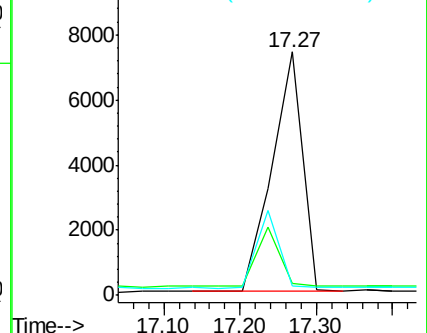
80 3.9 11.7 17.5#



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



#22

Pentachlorophenol

Concen: 0.062 ng

RT: 16.91 min Scan# 1233

Delta R.T. 0.00 min

Lab File: BE093484.D

Acq: 19 Jul 2017 14:44

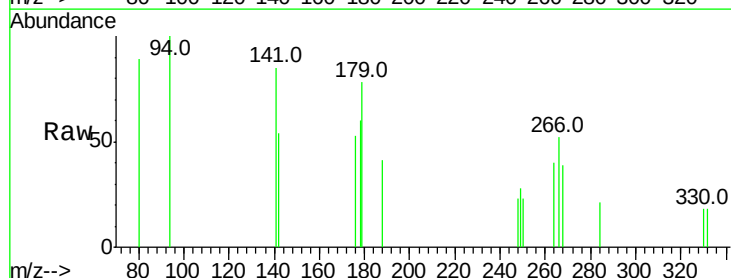
Tgt Ion:266 Resp: 174

Ion Ratio Lower Upper

266 100

264 78.0 58.2 87.2

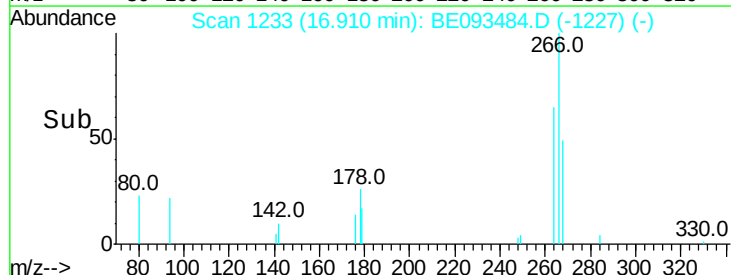
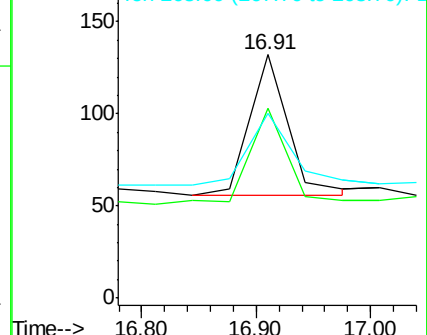
268 75.8 71.9 107.9



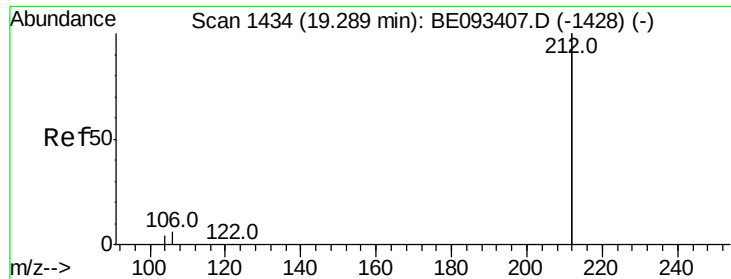
Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



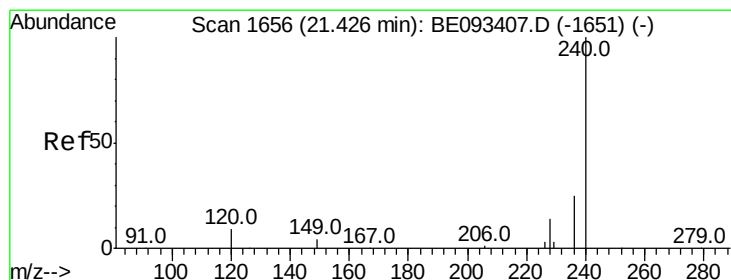
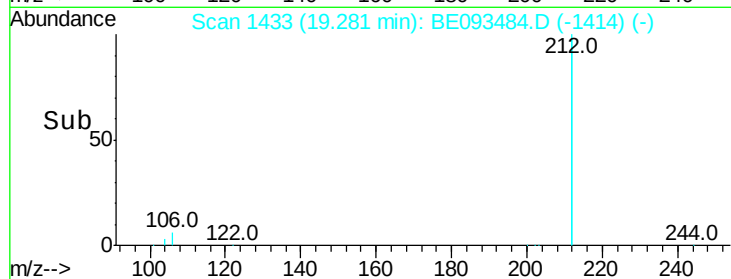
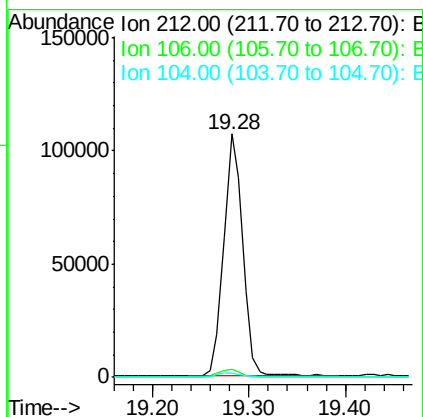
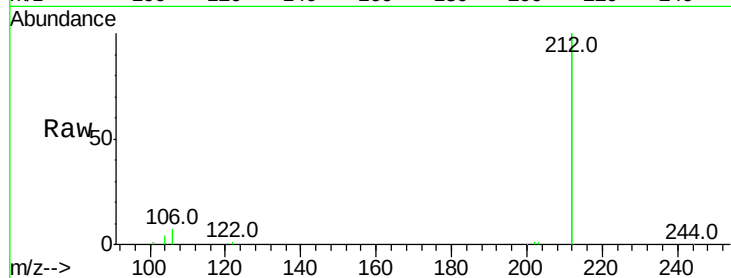




#25  
 Fluoranthene-d10  
 Concen: 0.577 ng  
 RT: 19.28 min Scan# 1433  
 Delta R.T. -0.01 min  
 Lab File: BE093484.D  
 Acq: 19 Jul 2017 14:44

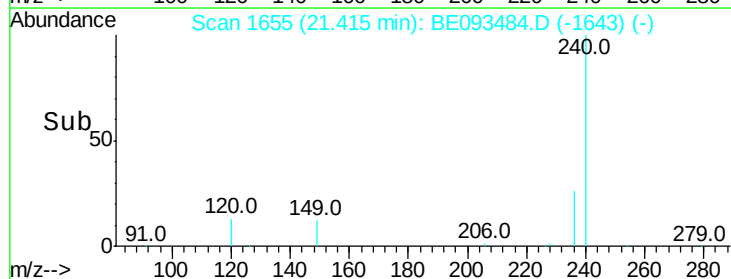
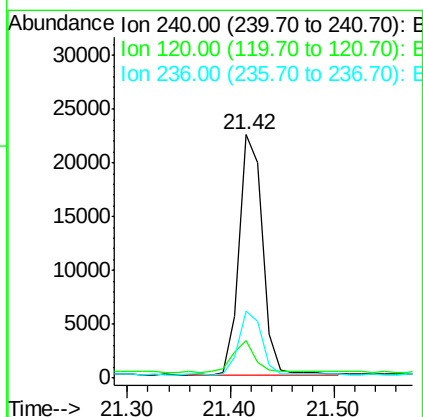
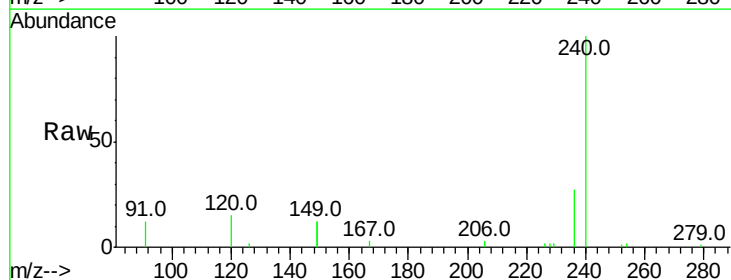
Instrument :  
 BNA\_E  
 ClientSampled :

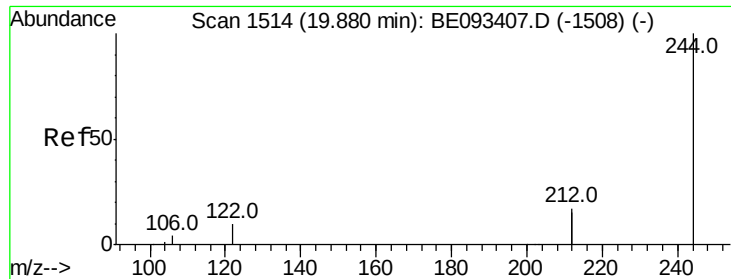
Tot Ion:212 Resp: 144471  
 Ion Ratio Lower Upper  
 212 100  
 106 3.3 2.4 3.6  
 104 1.9 1.6 2.4



#27  
 Chrysene-d12  
 Concen: 0.400 ng  
 RT: 21.42 min Scan# 1655  
 Delta R.T. -0.01 min  
 Lab File: BE093484.D  
 Acq: 19 Jul 2017 14:44

Tgt Ion:240 Resp: 35044  
 Ion Ratio Lower Upper  
 240 100  
 120 15.2 4.6 7.0#  
 236 27.5 20.8 31.2





#29

Terphenyl-d14

Concen: 0.893 ng

RT: 19.87 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BE093484.D

Acq: 19 Jul 2017 14:44

Instrument :

BNA\_E

ClientSampleId :

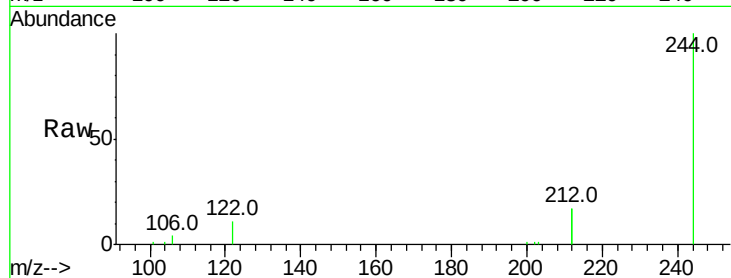
Tot Ion:244 Resp: 55894

Ion Ratio Lower Upper

244 100

212 33.4 10.6 16.0#

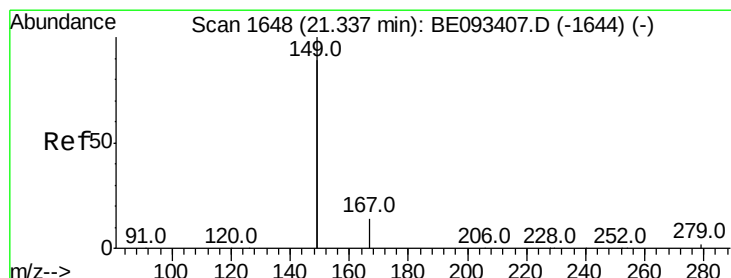
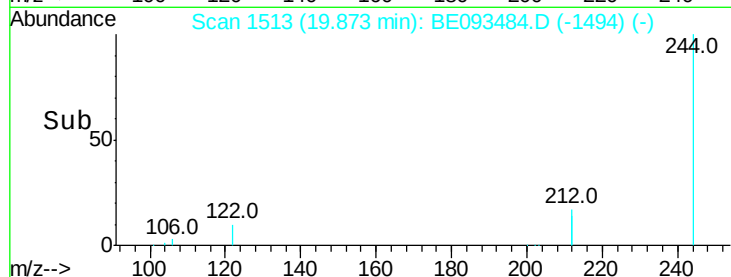
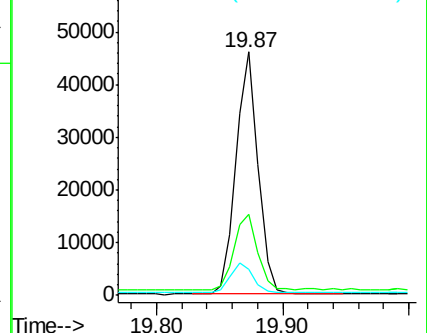
122 10.6 15.4 23.0#



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.159 ng

RT: 21.33 min Scan# 1647

Delta R.T. -0.01 min

Lab File: BE093484.D

Acq: 19 Jul 2017 14:44

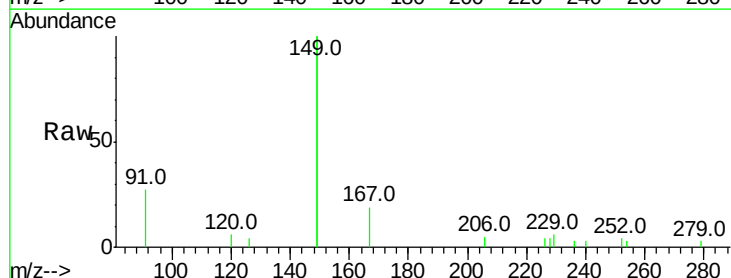
Tgt Ion:149 Resp: 21601

Ion Ratio Lower Upper

149 100

167 7.1 20.1 30.1#

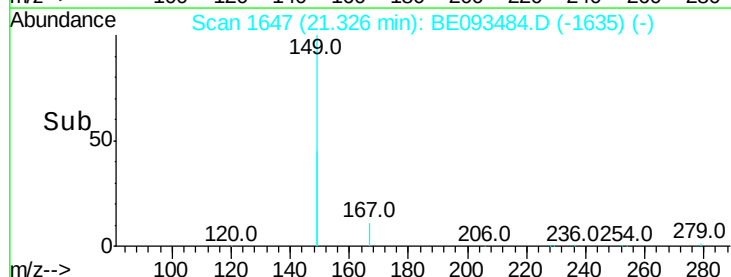
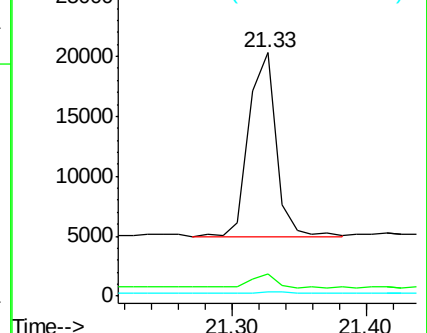
279 1.2 2.2 3.4#

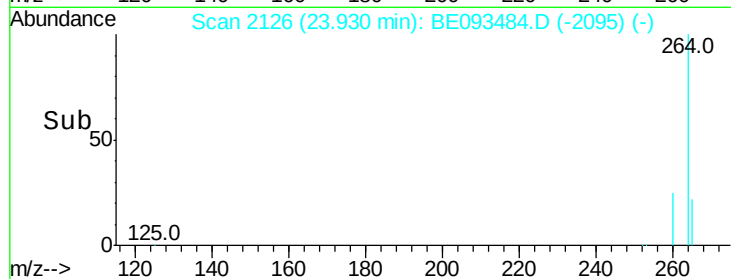
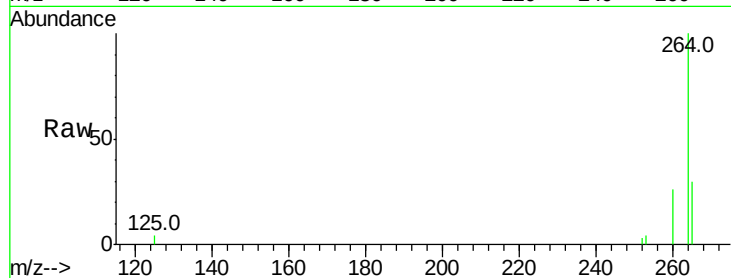
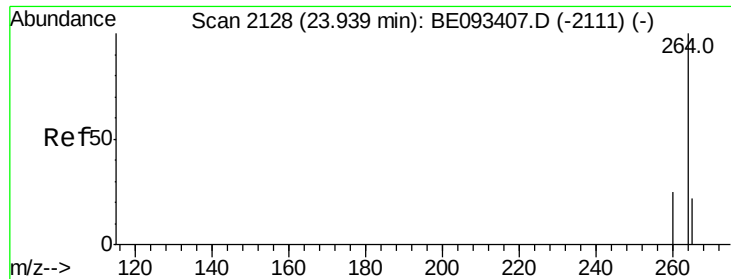


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.93 min Scan# 2126

Delta R.T. -0.01 min

Lab File: BE093484.D

Acq: 19 Jul 2017 14:44

Instrument :

BNA\_E

ClientSampleId :

Tot Ion:264 Resp: 30490

Ion Ratio Lower Upper

264 100

260 25.9 21.0 31.4

265 30.0 24.6 36.8

