

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092316\  
 Data File : BE092411.D  
 Acq On : 23 Sep 2016 12:04  
 Operator : UM/SJ  
 Sample : H4803-08DL 50X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PT-ACIDS-WPDL

Quant Time: Sep 23 14:11:57 2016  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 22 18:25:56 2016  
 Response via : Initial Calibration

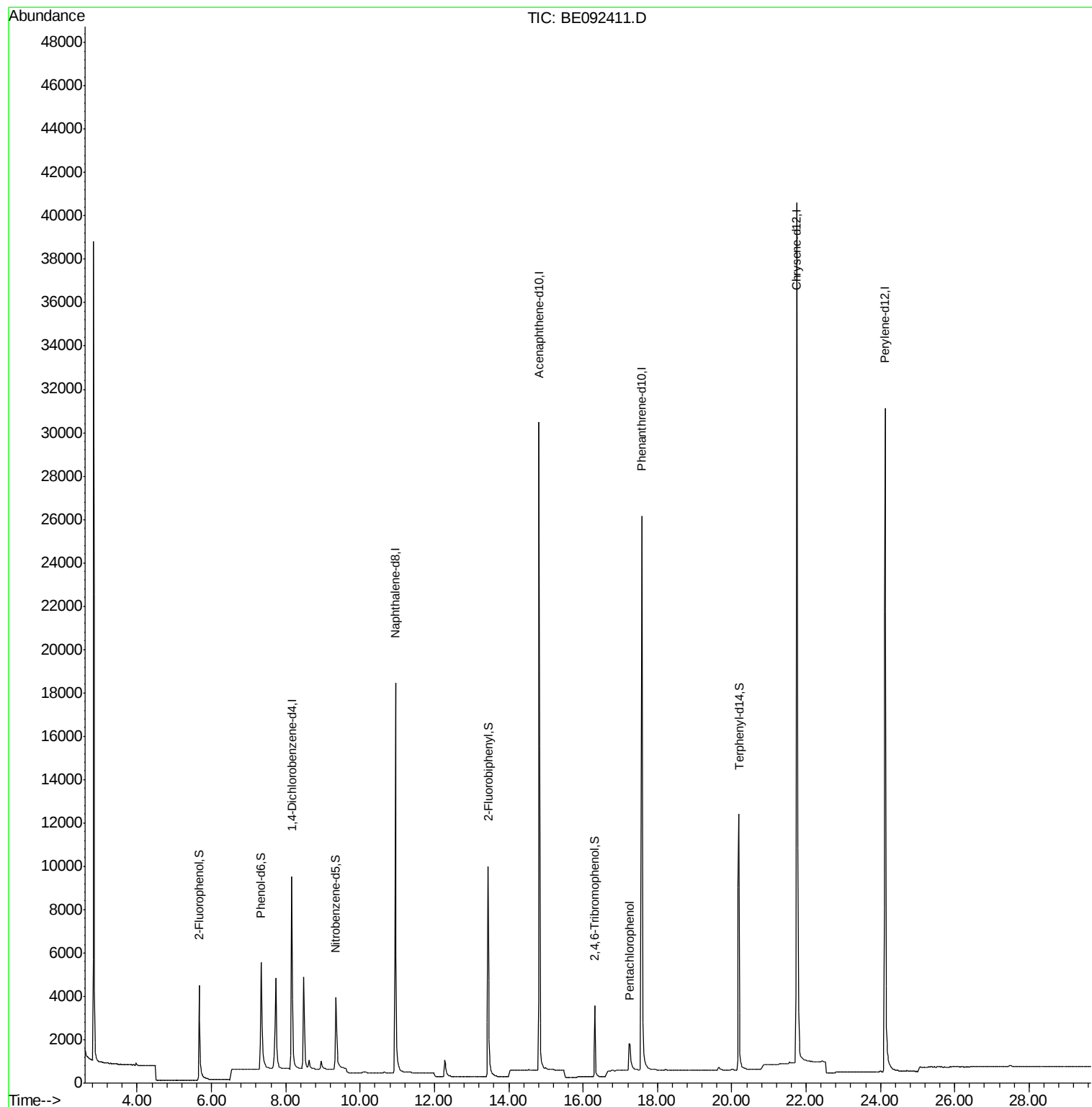
| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.17  | 152  | 5698     | 5.00 | ng    | -0.02        |
| 7) Naphthalene-d8           | 10.95 | 136  | 28020    | 5.00 | ng    | 0.00         |
| 12) Acenaphthene-d10        | 14.82 | 164  | 21465    | 5.00 | ng    | 0.00         |
| 18) Phenanthrene-d10        | 17.58 | 188  | 45953    | 5.00 | ng    | 0.02         |
| 24) Chrysene-d12            | 21.75 | 240  | 55008    | 5.00 | ng    | 0.00         |
| 31) Perylene-d12            | 24.12 | 264  | 48038    | 5.00 | ng    | 0.04         |
| System Monitoring Compounds |       |      |          |      |       |              |
| 4) 2-Fluorophenol           | 5.67  | 112  | 4765     | 3.61 | ng    | -0.02        |
| 5) Phenol-d6                | 7.34  | 99   | 6996     | 3.69 | ng    | -0.02        |
| 8) Nitrobenzene-d5          | 9.34  | 82   | 4691     | 2.41 | ng    | -0.02        |
| 13) 2,4,6-Tribromophenol    | 16.31 | 330  | 2661     | 3.59 | ng    | -0.01        |
| 14) 2-Fluorobiphenyl        | 13.44 | 172  | 13974    | 2.75 | ng    | 0.00         |
| 26) Terphenyl-d14           | 20.19 | 244  | 20779    | 3.04 | ng    | 0.02         |
| Target Compounds            |       |      |          |      |       |              |
| 20) Pentachlorophenol       | 17.26 | 266  | 2072     | 2.99 | ng    | Qvalue<br>90 |

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

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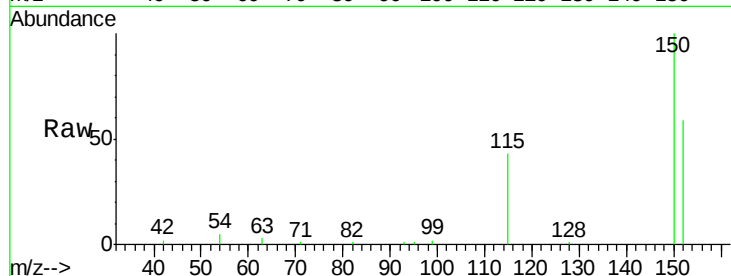


#1

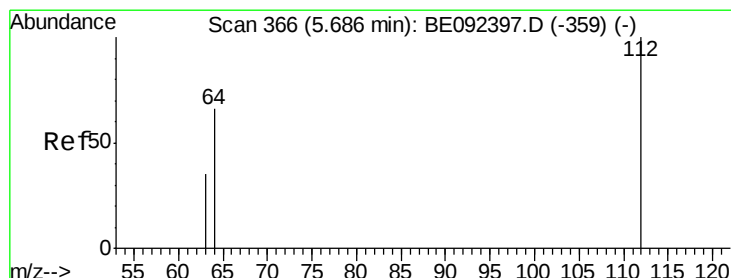
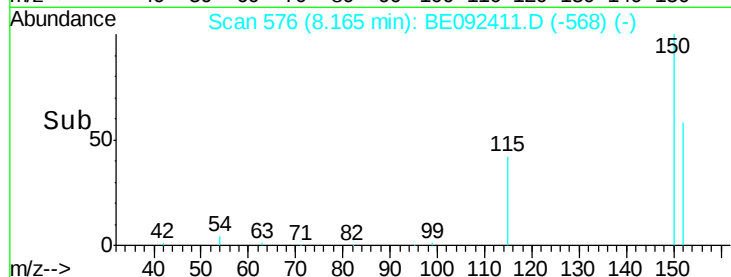
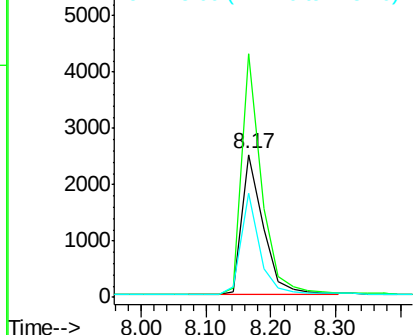
1,4-Dichlorobenzene-d4  
Concen: 5.00 ng  
RT: 8.17 min Scan# 576  
Delta R.T. -0.02 min  
Lab File: BE092411.D  
Acq: 23 Sep 2016 12:04

Instrument :  
BNA\_E  
ClientSampleId :  
PT-ACIDS-WPDL

Tot Ion:152 Resp: 5698  
Ion Ratio Lower Upper  
152 100  
150 170.2 106.0 159.0#  
115 72.8 31.2 46.8#



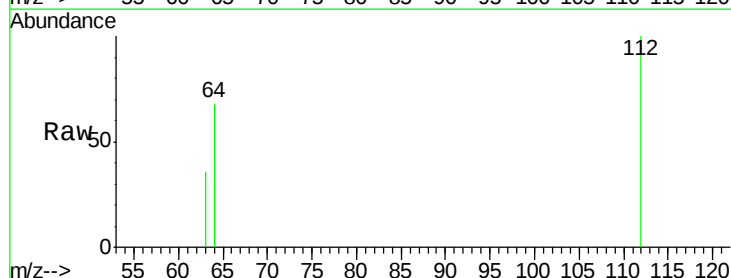
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



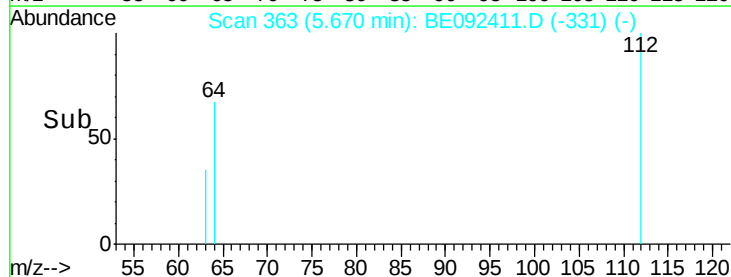
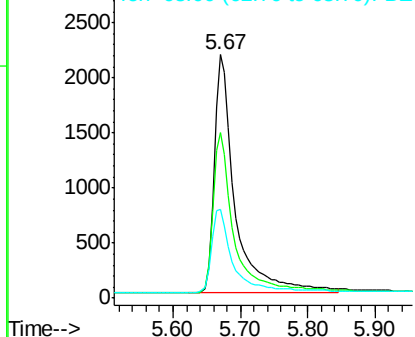
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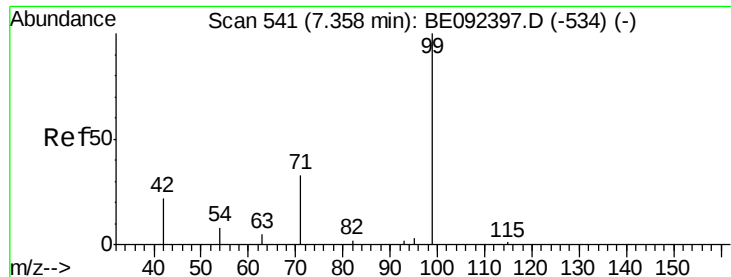
2-Fluorophenol  
Concen: 3.61 ng  
RT: 5.67 min Scan# 363  
Delta R.T. -0.02 min  
Lab File: BE092411.D  
Acq: 23 Sep 2016 12:04

Tgt Ion:112 Resp: 4765  
Ion Ratio Lower Upper  
112 100  
64 67.5 53.5 80.3  
63 36.1 27.9 41.9



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): E  
Ion 63.00 (62.70 to 63.70): E





#5

Phenol-d6

Concen: 3.69 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092411.D

Acq: 23 Sep 2016 12:04

Instrument :

BNA\_E

ClientSampleId :

PT-ACIDS-WPDL

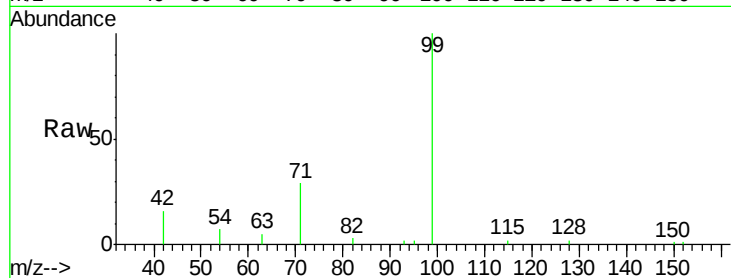
Tot Ion: 99 Resp: 6996

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

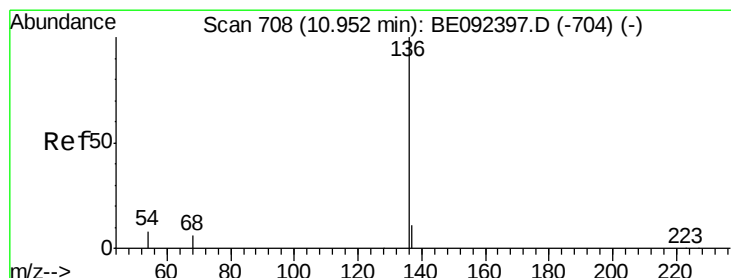
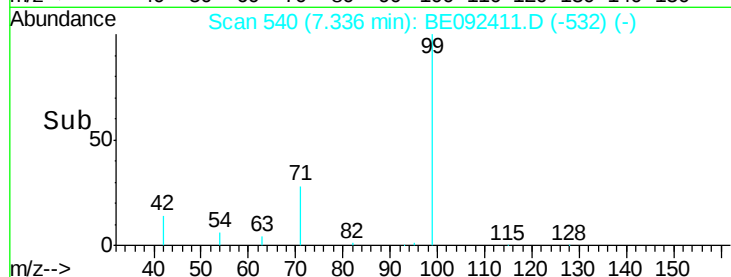
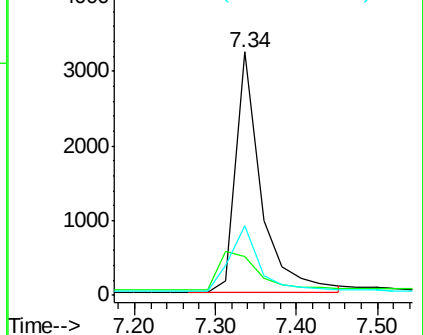
71 32.9 30.6 45.8



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: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.00 min

Lab File: BE092411.D

Acq: 23 Sep 2016 12:04

Tgt Ion: 136 Resp: 28020

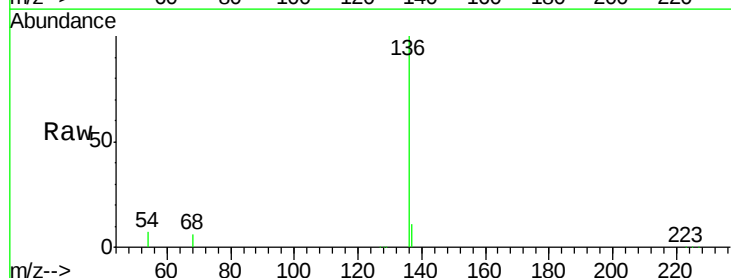
Ion Ratio Lower Upper

136 100

137 11.0 8.2 12.4

54 7.5 9.6 14.4#

68 5.7 6.7 10.1#

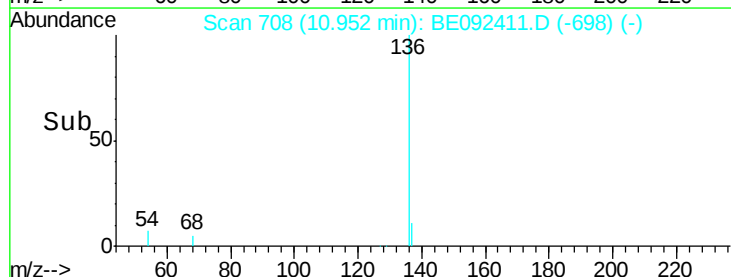
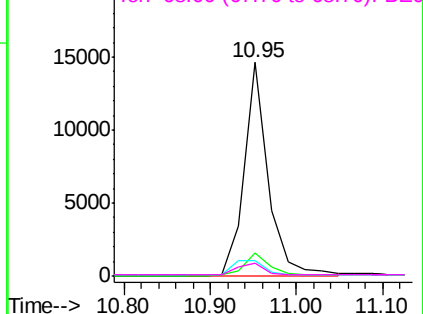


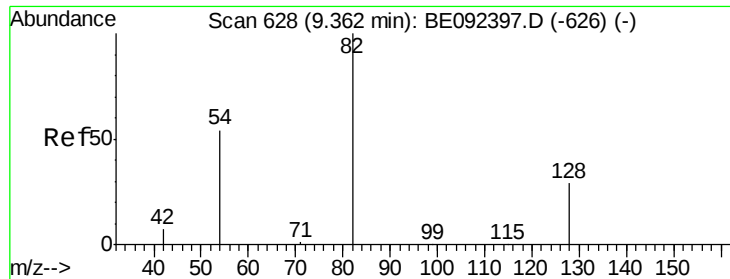
Abundance Ion 136.00 (135.70 to 136.70): E

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

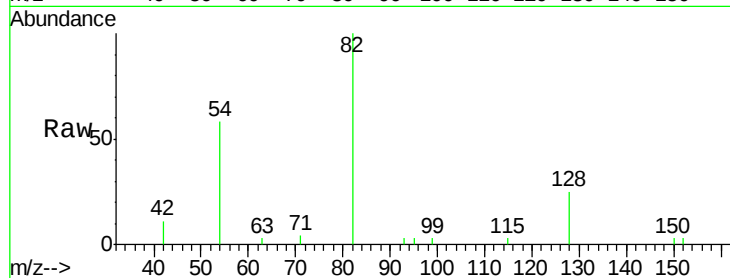




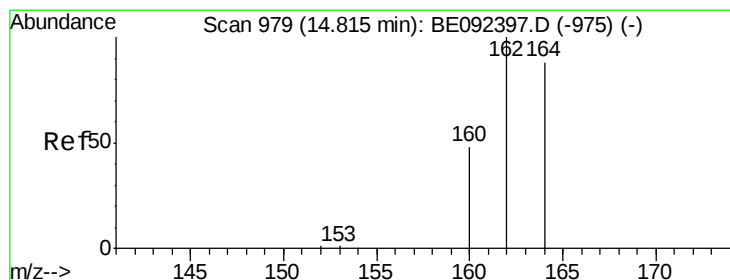
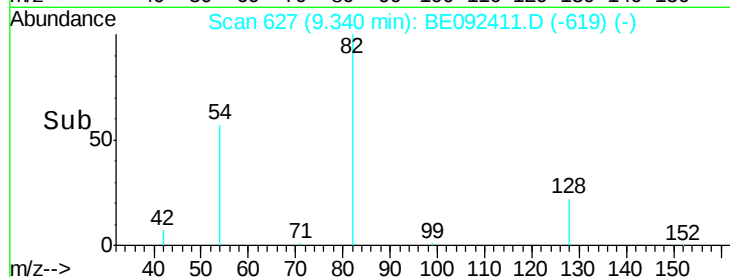
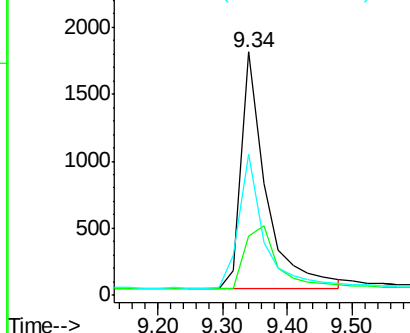
#8  
 Nitrobenzene-d5  
 Concen: 2.41 ng  
 RT: 9.34 min Scan# 627  
 Delta R.T. -0.02 min  
 Lab File: BE092411.D  
 Acq: 23 Sep 2016 12:04

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PT-ACIDS-WPDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 24.6  | 39.0  | 58.4# |
| 54      | 58.3  | 44.8  | 67.2  |

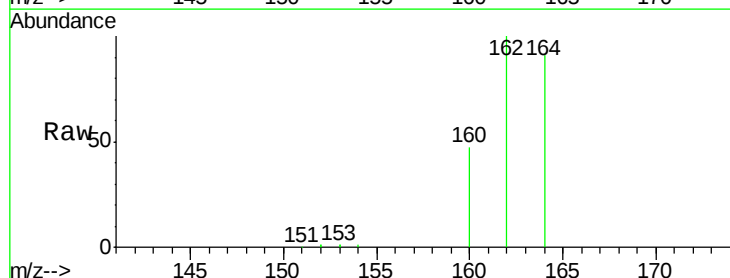


Abundance Ion 82.00 (81.70 to 82.70): BE0  
 Ion 128.00 (127.70 to 128.70): BE0  
 Ion 54.00 (53.70 to 54.70): BE0

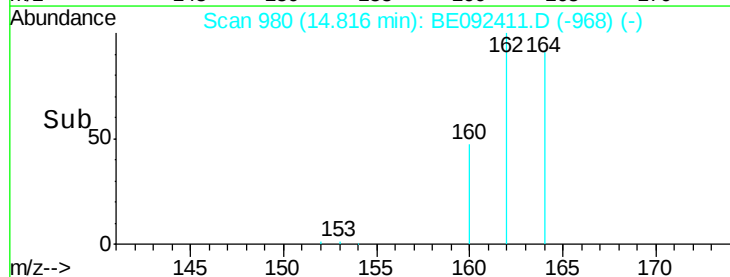
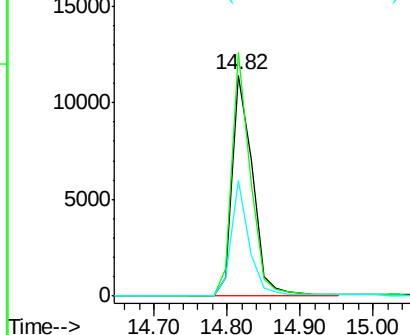


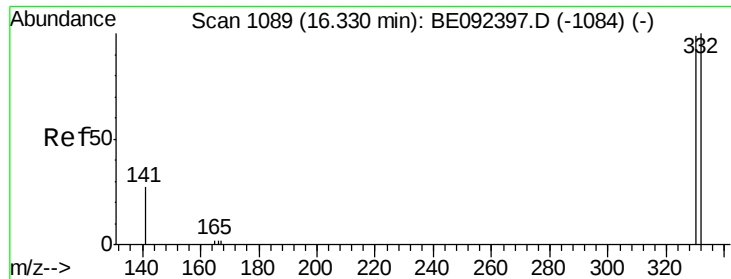
#12  
 Acenaphthene-d10  
 Concen: 5.00 ng  
 RT: 14.82 min Scan# 980  
 Delta R.T. 0.00 min  
 Lab File: BE092411.D  
 Acq: 23 Sep 2016 12:04

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 164     | 100   |       |        |
| 162     | 110.2 | 71.4  | 107.0# |
| 160     | 52.3  | 27.4  | 41.2#  |



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

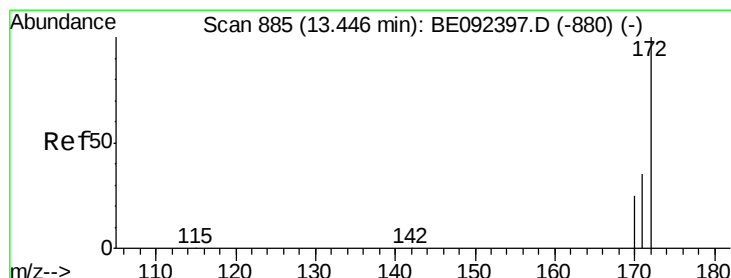
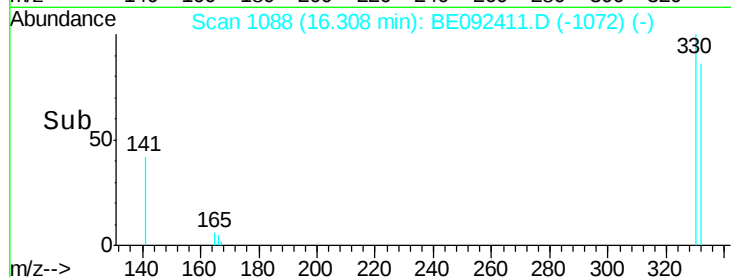
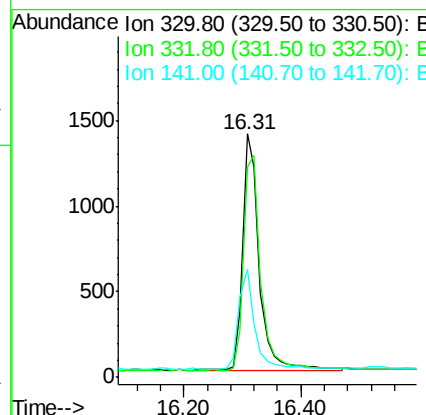
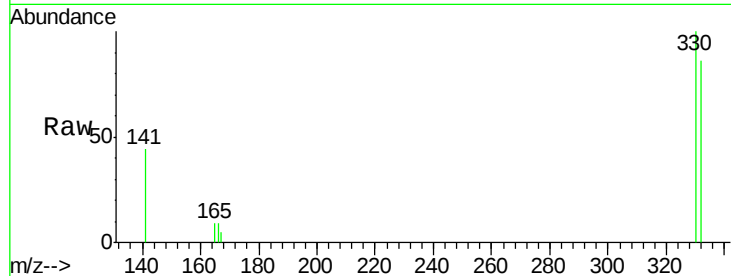




#13  
 2,4,6-Tribromophenol  
 Concen: 3.59 ng  
 RT: 16.31 min Scan# 1088  
 Delta R.T. -0.01 min  
 Lab File: BE092411.D  
 Acq: 23 Sep 2016 12:04

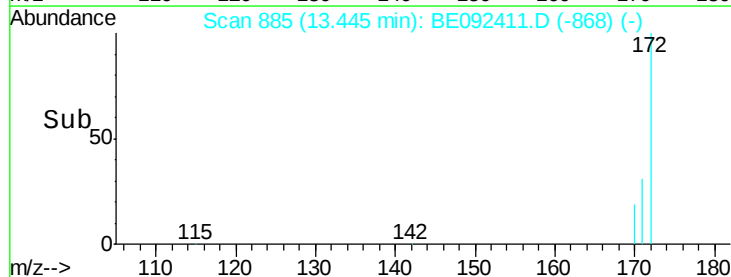
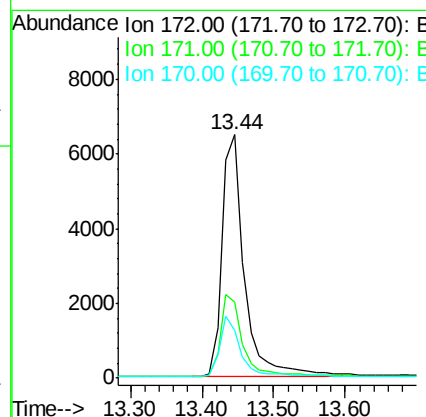
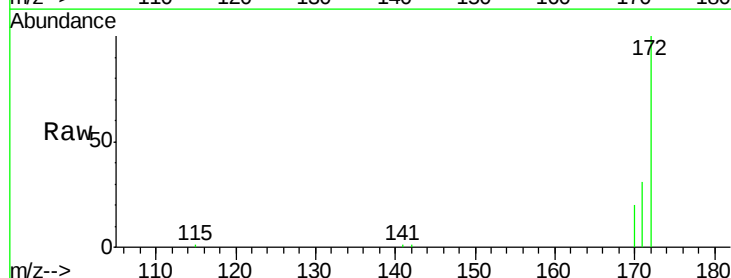
Instrument :  
 BNA\_E  
 ClientSampleId :  
 PT-ACIDS-WPDL

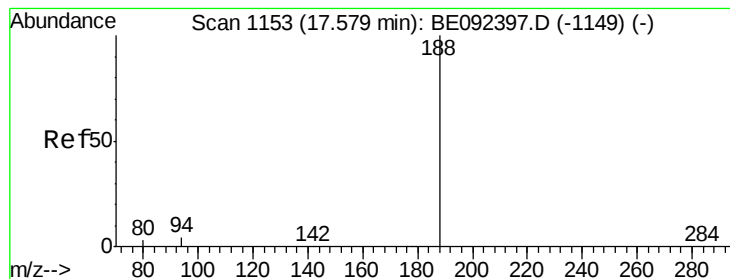
Tot Ion:330 Resp: 2661  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 75.4 113.0  
 141 40.7 31.0 46.6



#14  
 2-Fluorobiphenyl  
 Concen: 2.75 ng  
 RT: 13.44 min Scan# 885  
 Delta R.T. -0.00 min  
 Lab File: BE092411.D  
 Acq: 23 Sep 2016 12:04

Tgt Ion:172 Resp: 13974  
 Ion Ratio Lower Upper  
 172 100  
 171 31.3 30.1 45.1  
 170 19.7 21.8 32.6#





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.58 min Scan# 1154

Delta R.T. 0.02 min

Lab File: BE092411.D

Acq: 23 Sep 2016 12:04

Instrument :

BNA\_E

ClientSampleId :

PT-ACIDS-WPDL

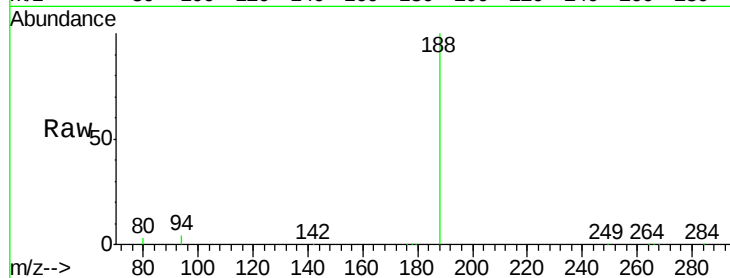
Tot Ion:188 Resp: 45953

Ion Ratio Lower Upper

188 100

94 4.0 3.2 4.8

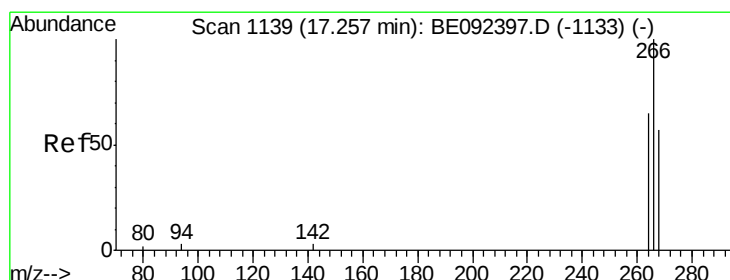
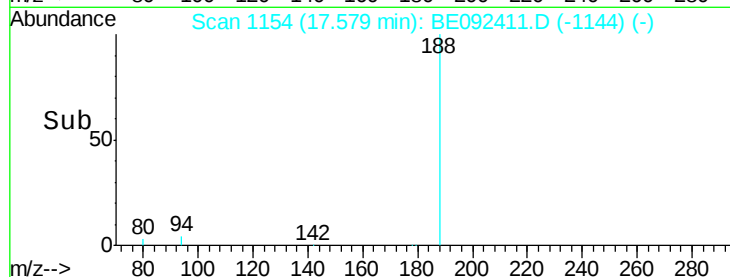
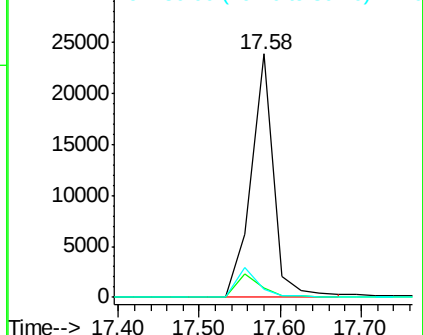
80 3.5 2.6 3.8



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



#20

Pentachlorophenol

Concen: 2.99 ng

RT: 17.26 min Scan# 1140

Delta R.T. -0.00 min

Lab File: BE092411.D

Acq: 23 Sep 2016 12:04

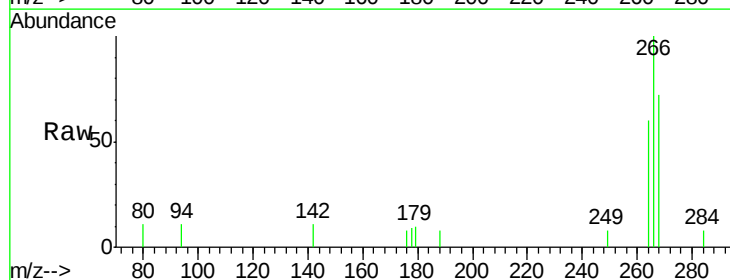
Tgt Ion:266 Resp: 2072

Ion Ratio Lower Upper

266 100

268 71.9 62.5 93.7

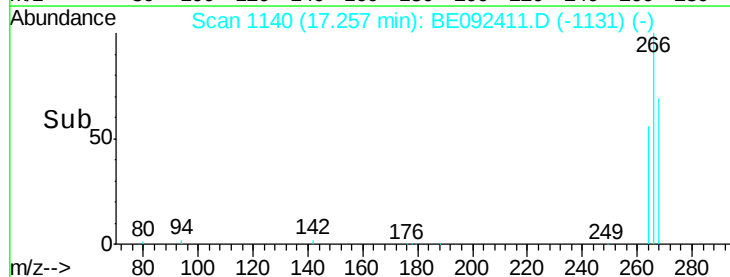
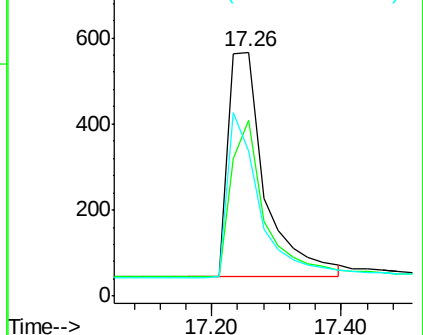
264 59.7 57.2 85.8

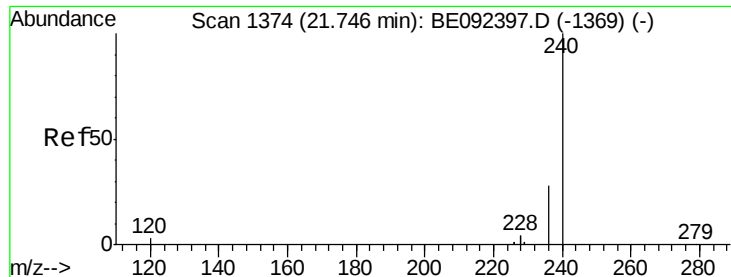


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

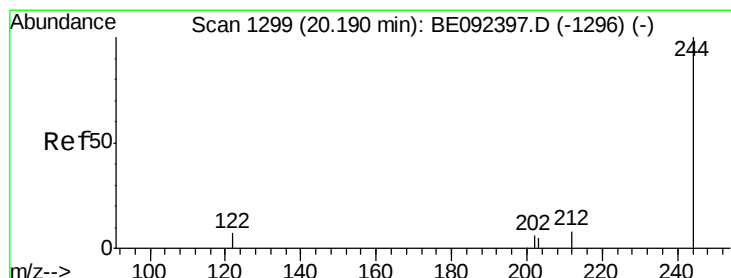
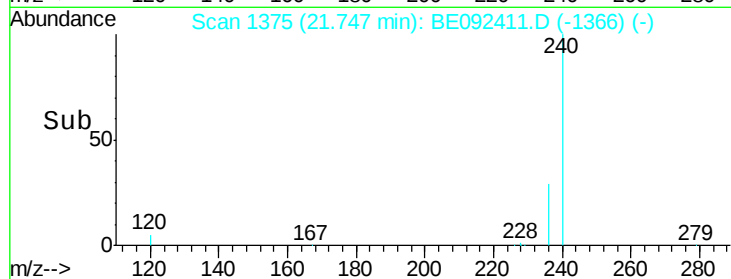
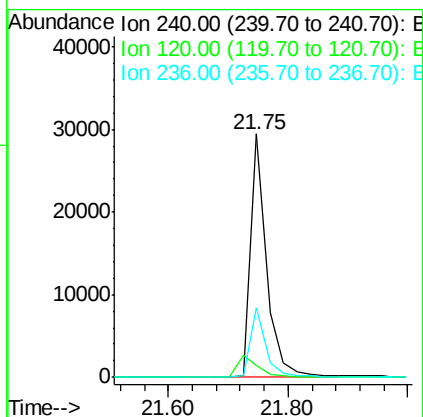
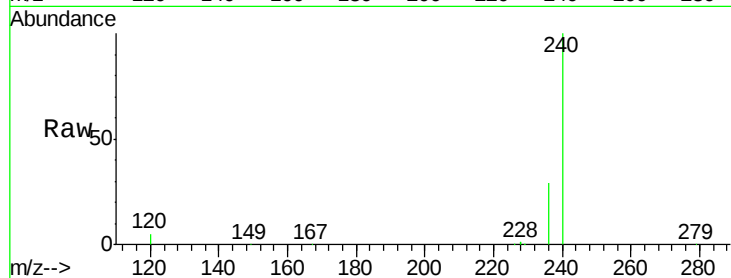




#24  
 Chrvsene-d12  
 Concen: 5.00 ng  
 RT: 21.75 min Scan# 1375  
 Delta R.T. 0.00 min  
 Lab File: BE092411.D  
 Acq: 23 Sep 2016 12:04

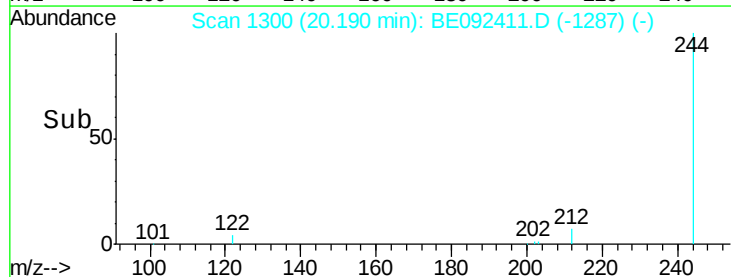
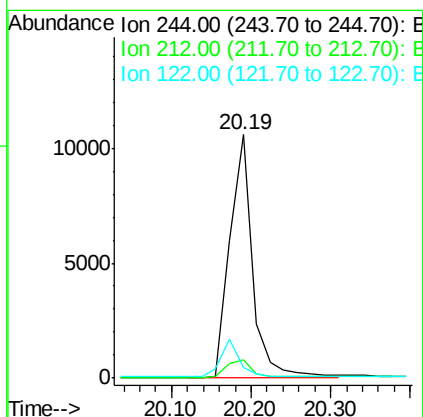
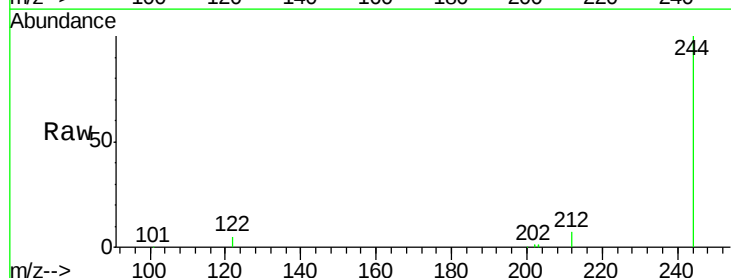
Instrument :  
 BNA\_E  
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 PT-ACIDS-WPDL

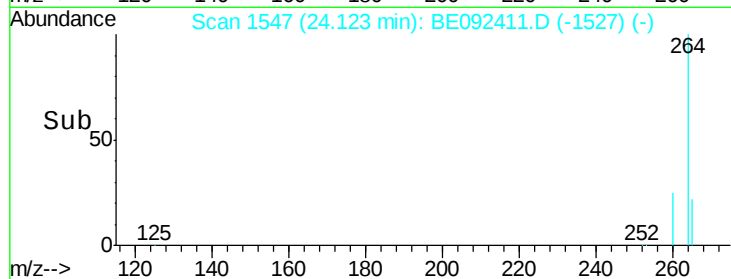
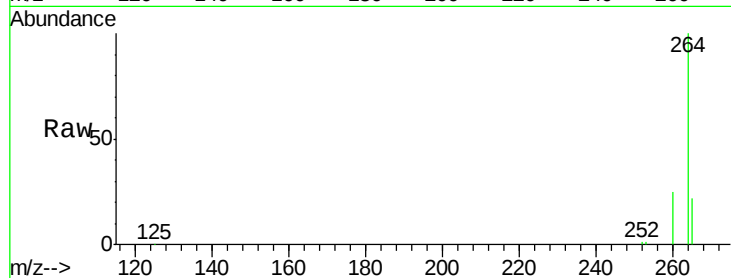
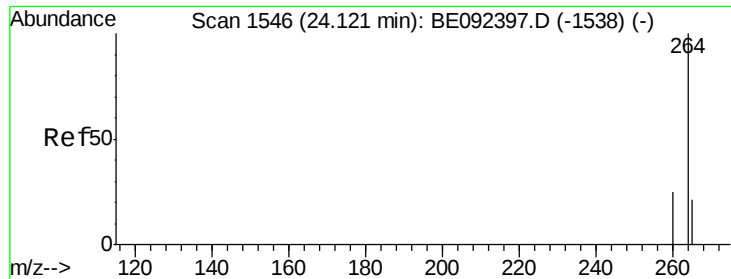
Tot Ion:240 Resp: 55008  
 Ion Ratio Lower Upper  
 240 100  
 120 4.9 2.6 4.0#  
 236 28.7 24.6 37.0



#26  
 Terphenyl-d14  
 Concen: 3.04 ng  
 RT: 20.19 min Scan# 1300  
 Delta R.T. 0.02 min  
 Lab File: BE092411.D  
 Acq: 23 Sep 2016 12:04

Tgt Ion:244 Resp: 20779  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 6.7 10.1  
 122 4.5 3.6 5.4





#31

Pervlene-d12

Concen: 5.00 ng

RT: 24.12 min Scan# 1547

Delta R.T. 0.04 min

Lab File: BE092411.D

Acq: 23 Sep 2016 12:04

Instrument :

BNA\_E

ClientSampleId :

PT-ACIDS-WPDL

Tot Ion: 264 Resp: 48038

Ion Ratio Lower Upper

264 100

260 25.1 20.1 30.1

265 22.5 17.9 26.9

