

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080216\  
 Data File : BE092143.D  
 Acq On : 3 Aug 2016 11:46  
 Operator : UM/SJ  
 Sample : H4176-02  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 GW-25-10.5-15.0

Quant Time: Aug 03 12:54:35 2016  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-PAH-BE080216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 02 16:59:37 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.17  | 152  | 13432    | 5.00   | ng    | 0.00     |
| 6) Naphthalene-d8           | 10.98 | 136  | 58973    | 5.00   | ng    | -0.01    |
| 10) Acenaphthene-d10        | 14.83 | 164  | 31585    | 5.00   | ng    | -0.02    |
| 16) Phenanthrene-d10        | 17.56 | 188  | 69439    | 5.00   | ng    | -0.02    |
| 22) Chrysene-d12            | 21.75 | 240  | 87475    | 5.00   | ng    | 0.00     |
| 28) Perylene-d12            | 24.14 | 264  | 90998    | 5.00   | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 4) 2-Fluorophenol           | 5.69  | 112  | 266122   | 77.15  | ng    | 0.00     |
| 5) Phenol-d6                | 7.34  | 99   | 261966   | 57.00  | ng    | -0.01    |
| 7) Nitrobenzene-d5          | 9.34  | 82   | 366832   | 78.83  | ng    | -0.01    |
| 11) 2,4,6-Tribromophenol    | 16.33 | 330  | 142814   | 139.25 | ng    | 0.00     |
| 12) 2-Fluorobiphenyl        | 13.46 | 172  | 654815   | 65.42  | ng    | 0.00     |
| 24) Terphenyl-d14           | 20.19 | 244  | 824075   | 65.60  | ng    | -0.02    |

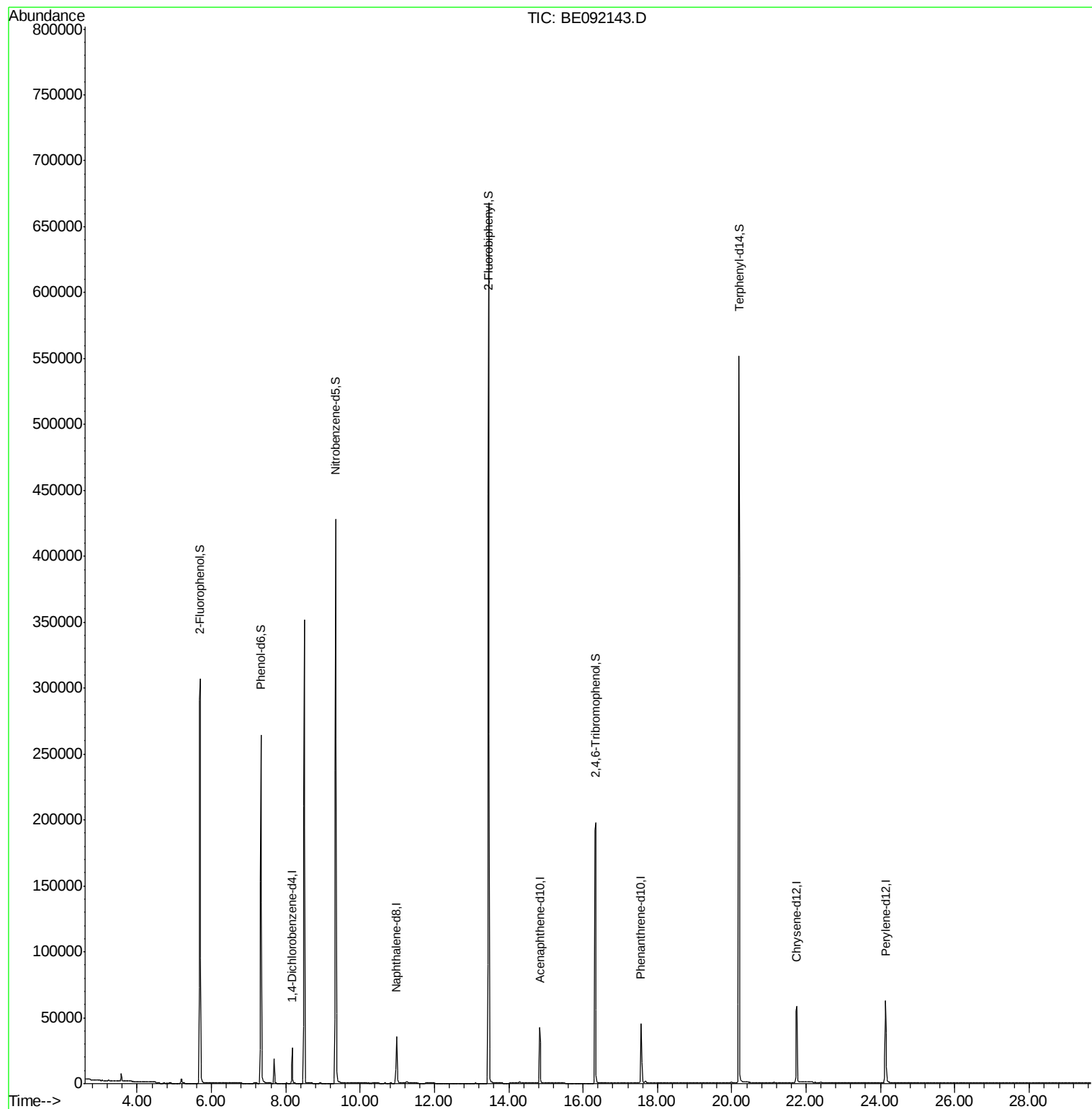
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

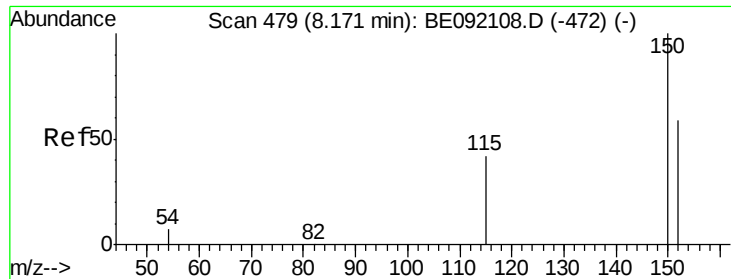
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 02 16:59:37 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE092143.D

Acq: 3 Aug 2016 11:46

Instrument :

BNA\_E

ClientSampleId :

GW-25-10.5-15.0

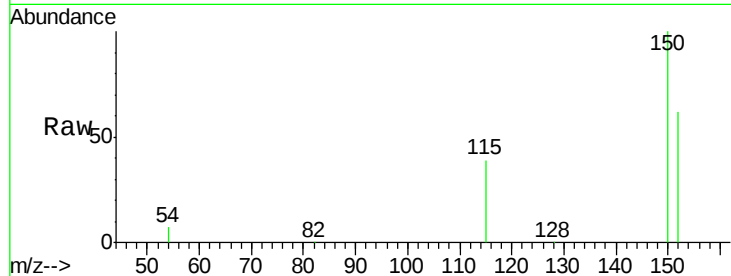
Tot Ion:152 Resp: 13432

Ion Ratio Lower Upper

152 100

150 161.5 106.0 159.0#

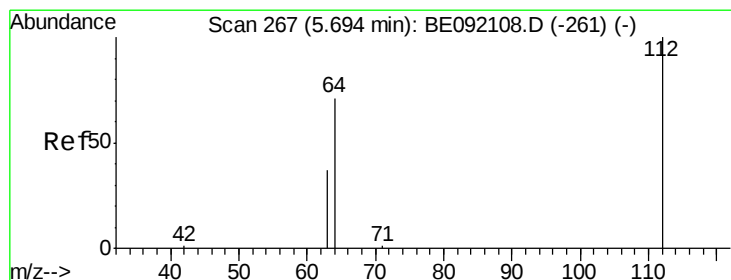
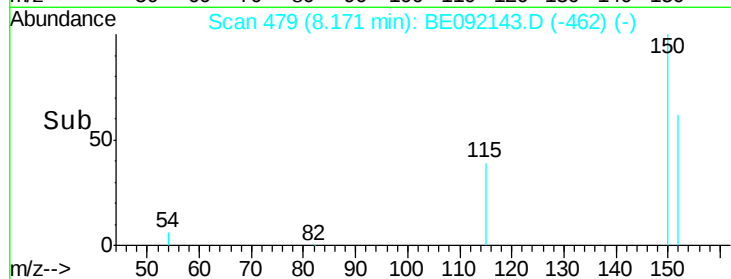
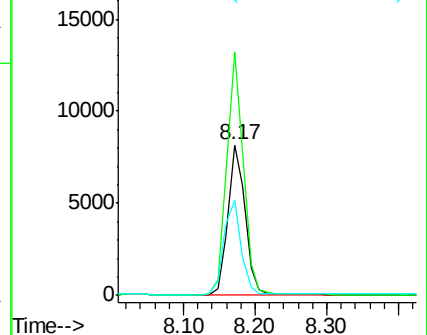
115 63.3 36.9 55.3#



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: 77.15 ng

RT: 5.69 min Scan# 267

Delta R.T. 0.00 min

Lab File: BE092143.D

Acq: 3 Aug 2016 11:46

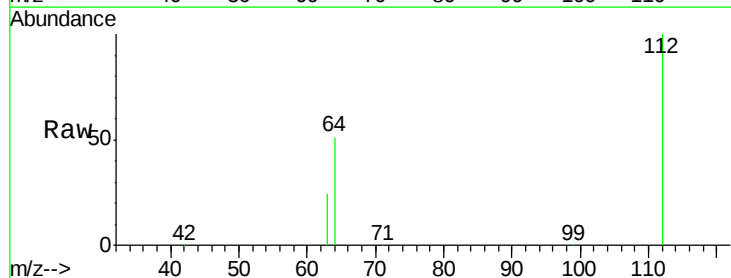
Tgt Ion:112 Resp: 266122

Ion Ratio Lower Upper

112 100

64 68.8 55.9 83.9

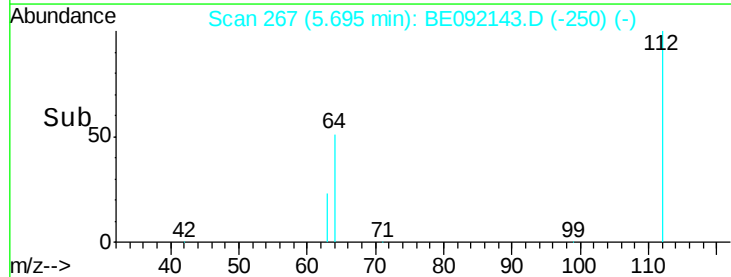
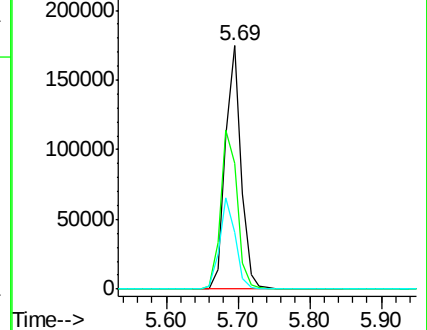
63 37.2 31.1 46.7



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: 57.00 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092143.D

Acq: 3 Aug 2016 11:46

Instrument :

BNA\_E

ClientSampleId :

GW-25-10.5-15.0

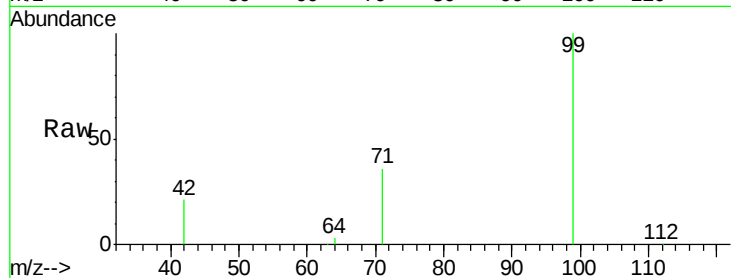
Tot Ion: 99 Resp: 261966

Ion Ratio Lower Upper

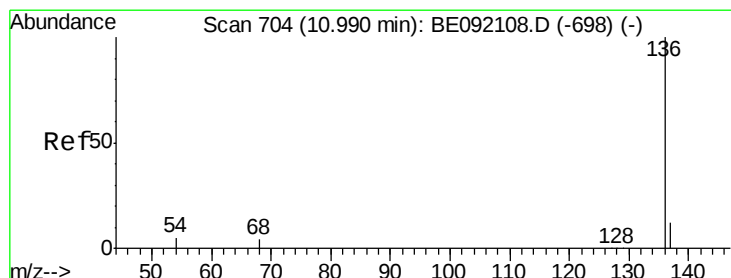
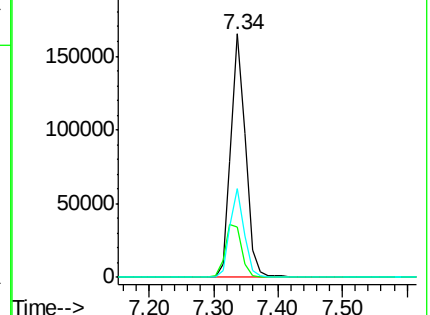
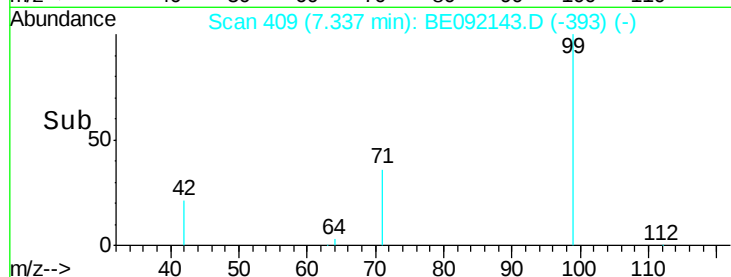
99 100

42 25.0 22.4 33.6

71 35.8 28.9 43.3



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



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.98 min Scan# 703

Delta R.T. -0.01 min

Lab File: BE092143.D

Acq: 3 Aug 2016 11:46

Tgt Ion: 136 Resp: 58973

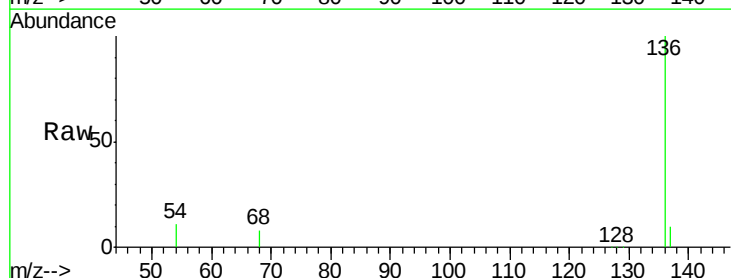
Ion Ratio Lower Upper

136 100

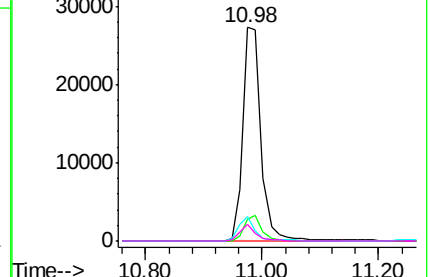
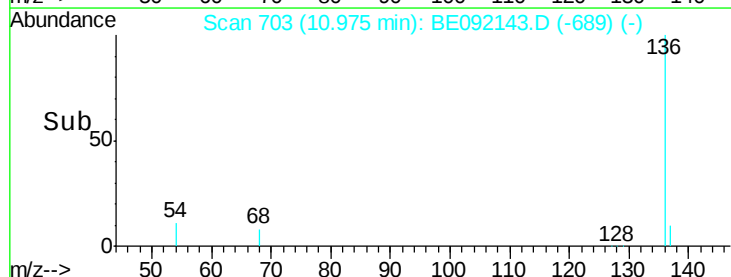
137 10.4 9.1 13.7

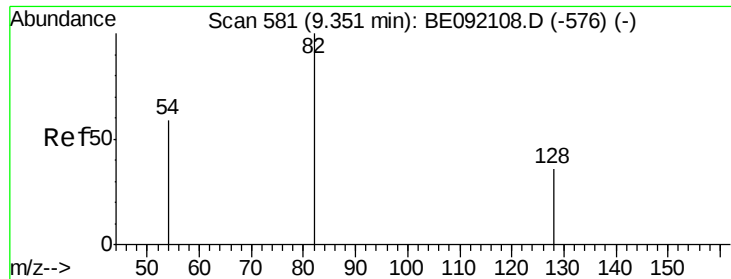
54 11.4 2.7 4.1#

68 7.8 2.2 3.4#



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





#7

Nitrobenzene-d5

Concen: 78.83 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092143.D

Acq: 3 Aug 2016 11:46

Instrument :

BNA\_E

ClientSampleId :

GW-25-10.5-15.0

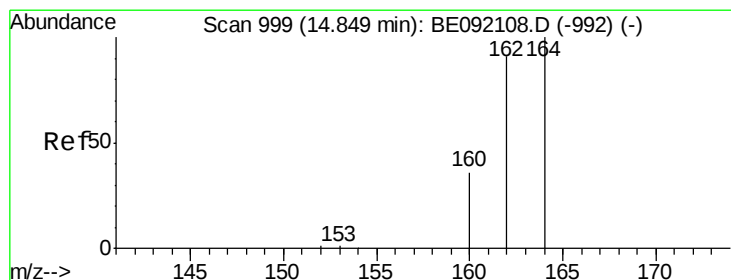
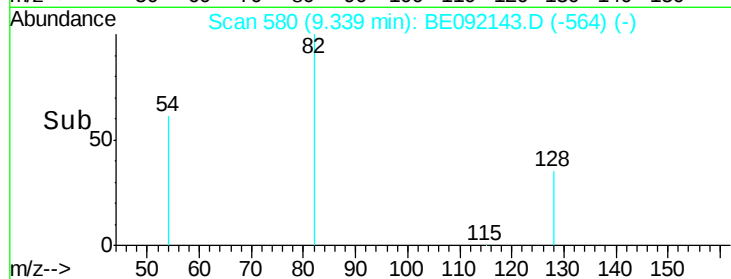
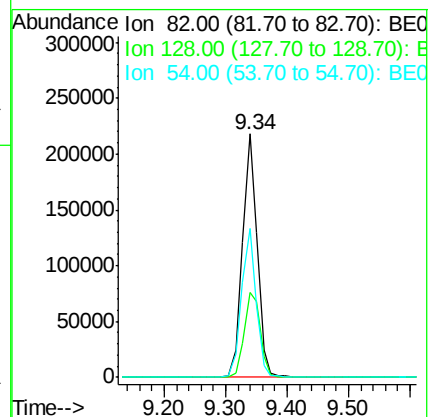
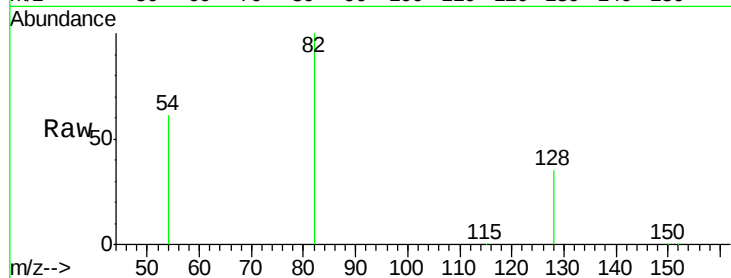
Tot Ion: 82 Resp: 366832

Ion Ratio Lower Upper

82 100

128 34.9 33.0 49.4

54 61.3 42.6 63.8



#10

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 998

Delta R.T. -0.02 min

Lab File: BE092143.D

Acq: 3 Aug 2016 11:46

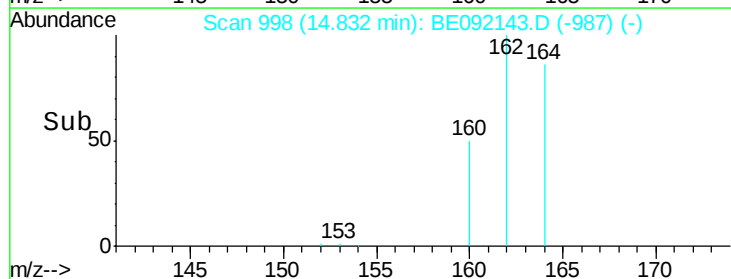
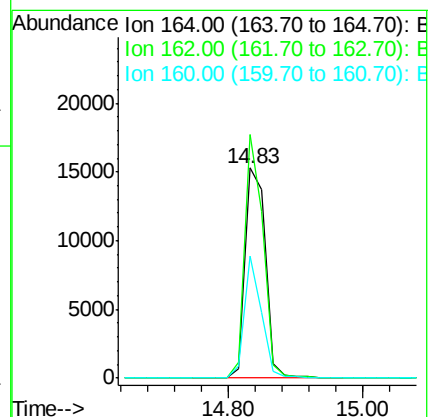
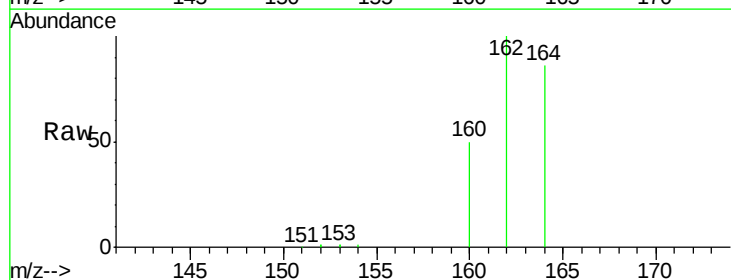
Tgt Ion: 164 Resp: 31585

Ion Ratio Lower Upper

164 100

162 116.0 69.5 104.3#

160 57.8 27.6 41.4#

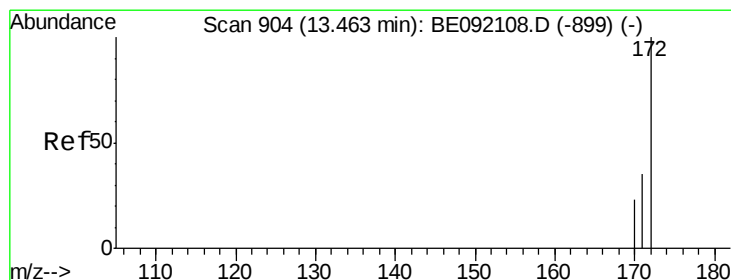
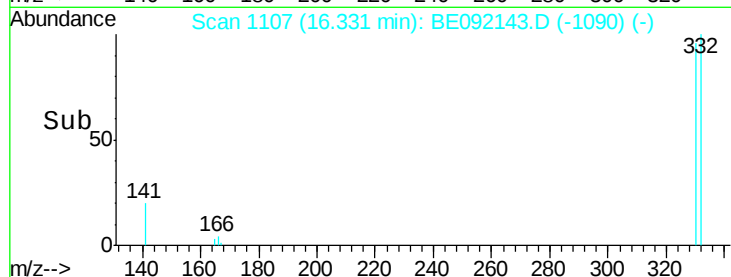
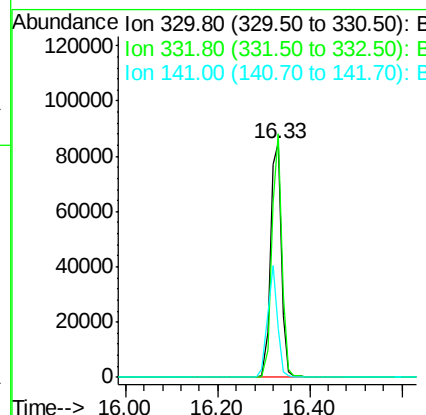
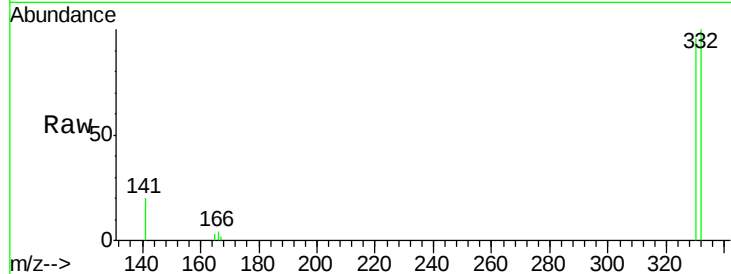




#11  
 2,4,6-Tribromophenol  
 Concen: 139.25 ng  
 RT: 16.33 min Scan# 1107  
 Delta R.T. 0.00 min  
 Lab File: BE092143.D  
 Acq: 3 Aug 2016 11:46

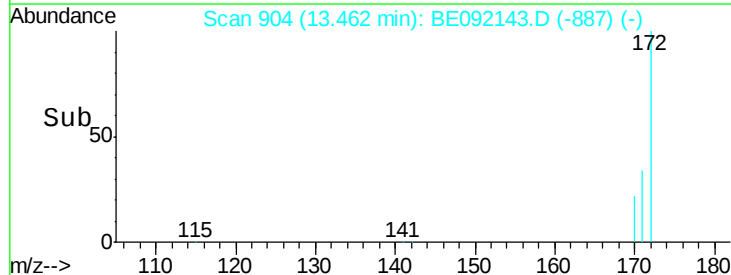
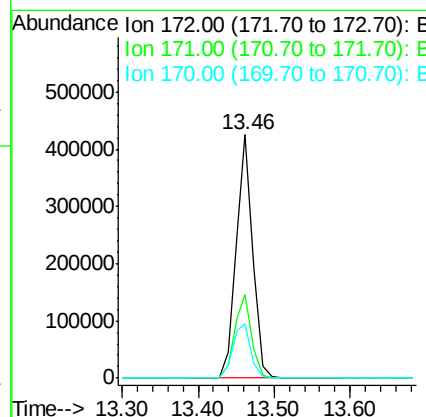
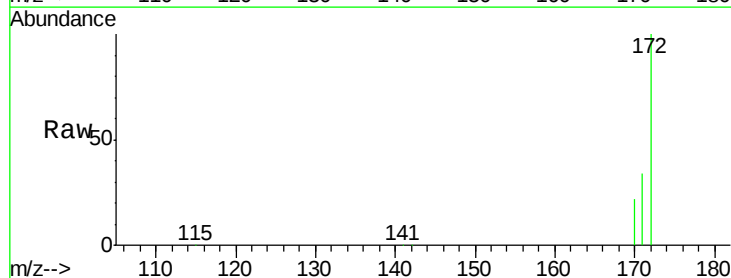
Instrument :  
 BNA\_E  
 ClientSampleId :  
 GW-25-10.5-15.0

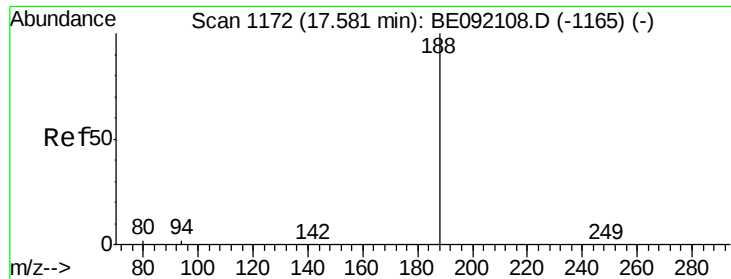
Tot Ion:330 Resp: 142814  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 74.2 111.4  
 141 42.7 139.8 209.8#



#12  
 2-Fluorobiphenyl  
 Concen: 65.42 ng  
 RT: 13.46 min Scan# 904  
 Delta R.T. -0.00 min  
 Lab File: BE092143.D  
 Acq: 3 Aug 2016 11:46

Tgt Ion:172 Resp: 654815  
 Ion Ratio Lower Upper  
 172 100  
 171 34.3 30.3 45.5  
 170 22.2 21.6 32.4

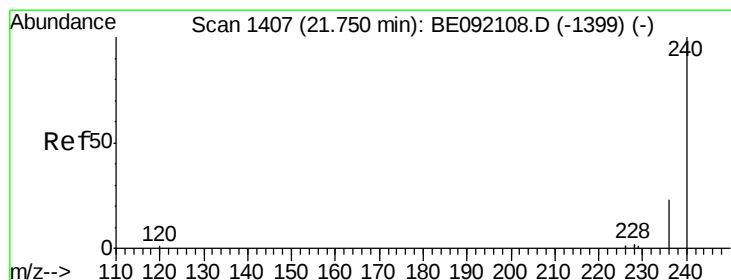
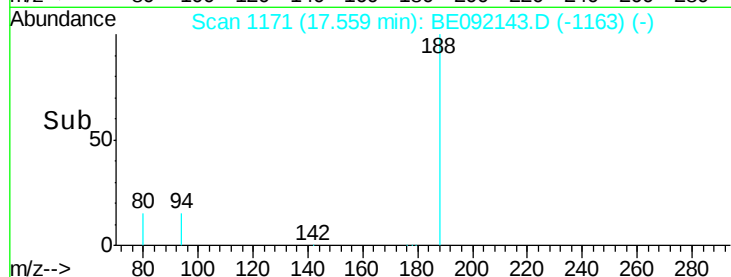
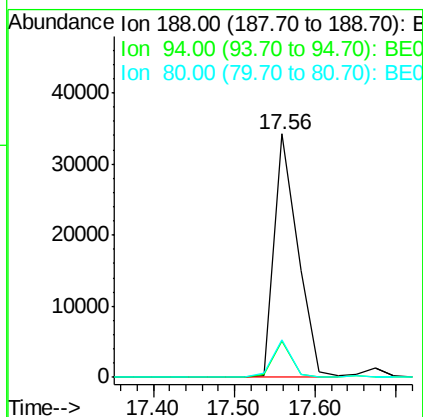
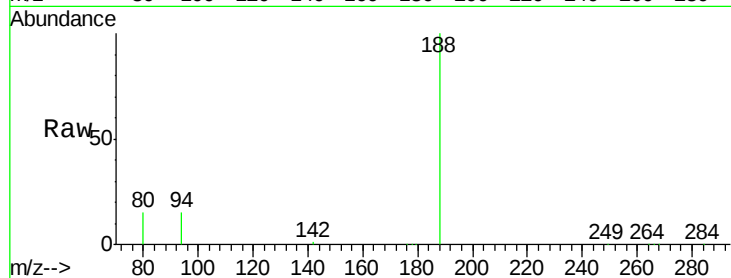




#16  
Phenanthrene-d10  
Concen: 5.00 ng  
RT: 17.56 min Scan# 1171  
Delta R.T. -0.02 min  
Lab File: BE092143.D  
Acq: 3 Aug 2016 11:46

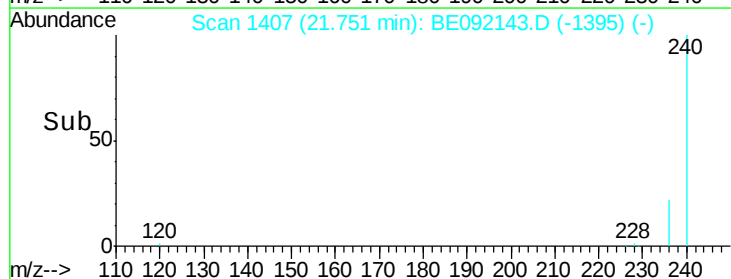
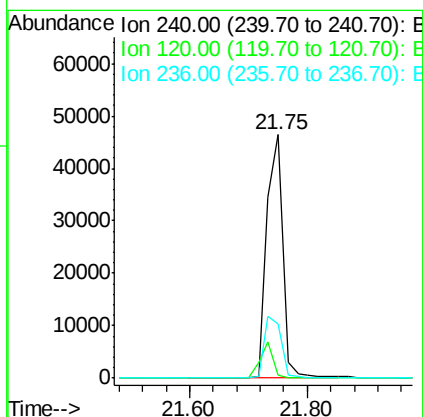
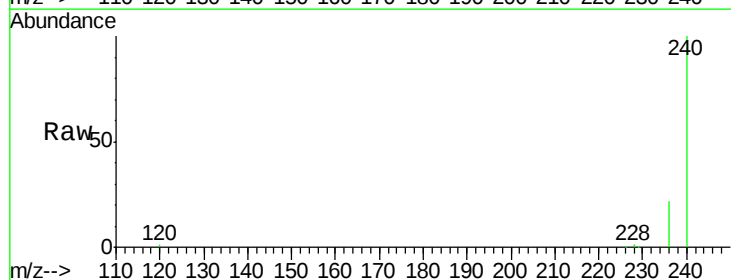
Instrument :  
BNA\_E  
ClientSampleId :  
GW-25-10.5-15.0

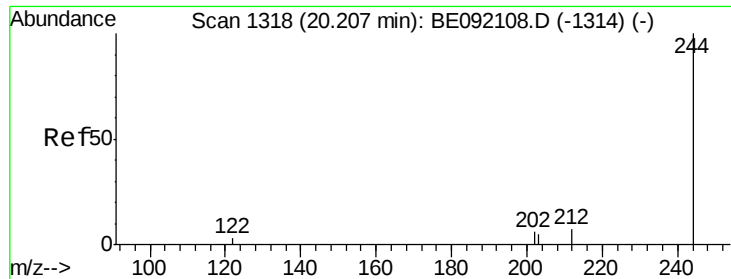
Tot Ion:188 Resp: 69439  
Ion Ratio Lower Upper  
188 100  
94 15.1 3.9 5.9#  
80 15.5 3.4 5.0#



#22  
Chrysene-d12  
Concen: 5.00 ng  
RT: 21.75 min Scan# 1407  
Delta R.T. 0.00 min  
Lab File: BE092143.D  
Acq: 3 Aug 2016 11:46

Tgt Ion:240 Resp: 87475  
Ion Ratio Lower Upper  
240 100  
120 1.2 0.6 1.0#  
236 22.1 18.2 27.4





#24

Terphenyl-d14

Concen: 65.60 ng

RT: 20.19 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BE092143.D

Acq: 3 Aug 2016 11:46

Instrument :

BNA\_E

ClientSampleId :

GW-25-10.5-15.0

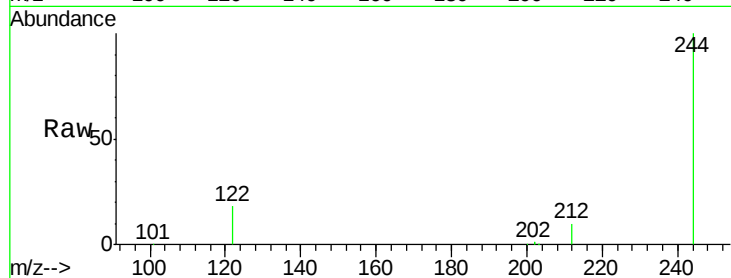
Tot Ion:244 Resp: 824075

Ion Ratio Lower Upper

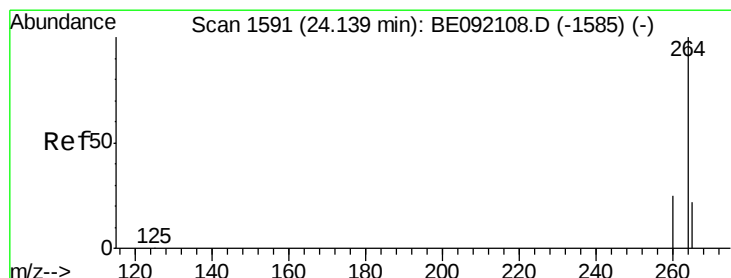
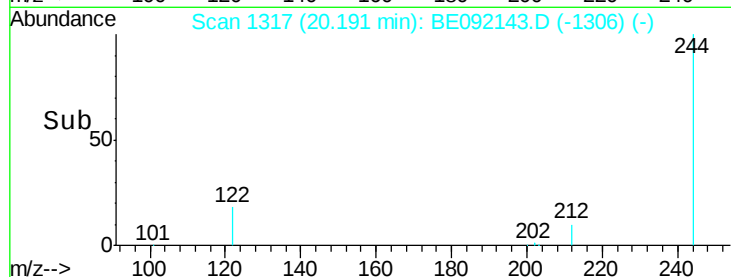
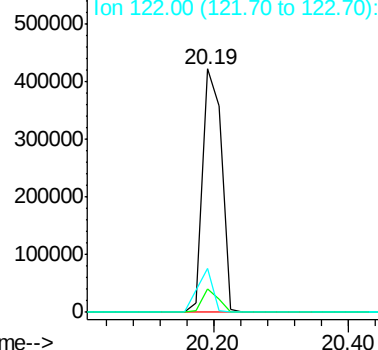
244 100

212 9.9 9.1 13.7

122 18.0 11.0 16.4#



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



#28

Perylene-d12

Concen: 5.00 ng

RT: 24.14 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BE092143.D

Acq: 3 Aug 2016 11:46

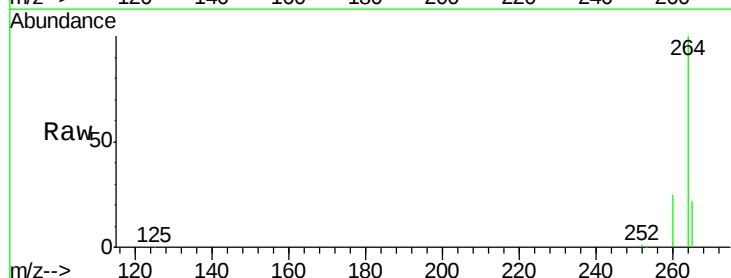
Tgt Ion:264 Resp: 90998

Ion Ratio Lower Upper

264 100

260 24.6 20.8 31.2

265 21.9 16.6 25.0



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

