

Data Path : Z:\HPCHEM1\BNA E\DATA\BE090115\
 Data File : BE090691.D
 Acq On : 2 Sep 2015 6:13
 Operator : UM/IZ
 Sample : G3504-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 02 06:53:03 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 01:57:39 2015
 Response via : Initial Calibration

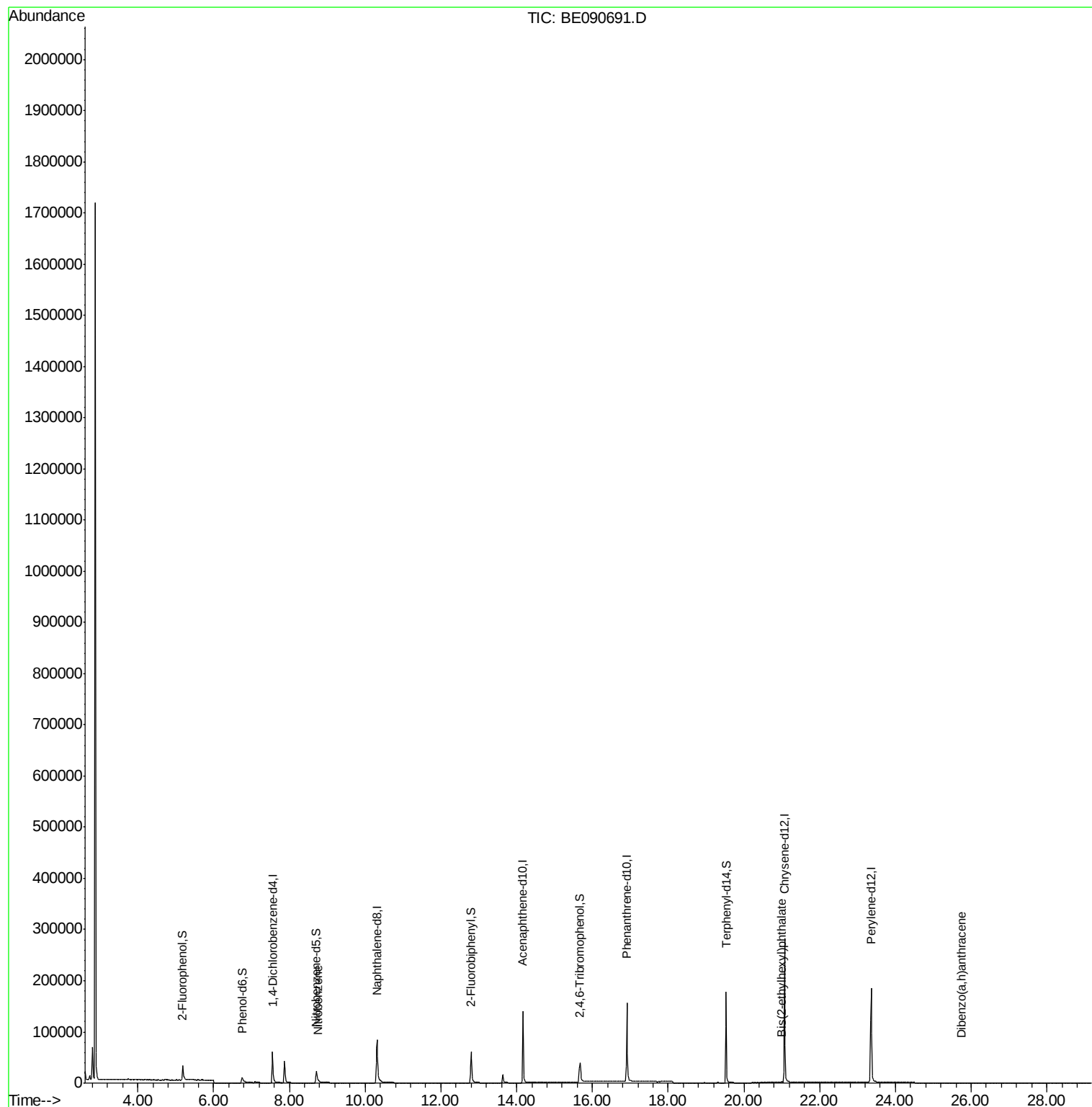
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	37383	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	161294	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	82337	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	212278	5.00	ng	0.00
25) Chrysene-d12	21.07	240	284613	5.00	ng	0.00
32) Perylene-d12	23.36	264	271623	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	29407	4.04	ng	0.00
5) Phenol-d6	6.75	99	25048	2.41	ng	0.00
7) Nitrobenzene-d5	8.71	82	40383	3.79	ng	0.00
13) 2,4,6-Tribromophenol	15.68	330	21881	9.03	ng	0.00
14) 2-Fluorobiphenyl	12.80	172	89672	3.93	ng	0.00
27) Terphenyl-d14	19.53	244	197737	6.28	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.15	88	96	Below Cal	#	1
3) n-Nitrosodimethylamine	3.40	42	383	Below Cal	#	1
8) Nitrobenzene	8.76	77	23	0.11 ng	#	43
20) Hexachlorobenzene	16.23	284	88	Below Cal	#	1
21) Pentachlorophenol	16.58	266	80	Below Cal	#	63
29) Chrysene	21.11	228	414	Below Cal	#	56
30) Bis(2-ethylhexyl)phthalate	21.00	149	2164	0.20 ng	#	96
36) Dibenzo(a,h)anthracene	25.75	278	81	0.14 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: 7.56 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE090691.D

Acq: 2 Sep 2015 6:13

Instrument :

BNA_E

ClientSampleId :

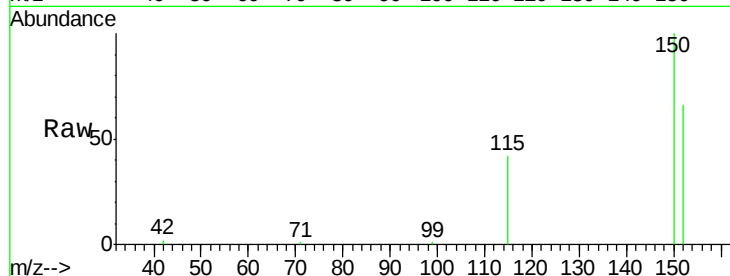
Tot Ion:152 Resp: 37383

Ion Ratio Lower Upper

152 100

150 152.2 122.2 183.4

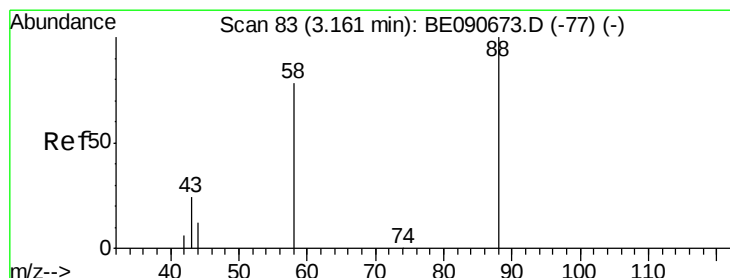
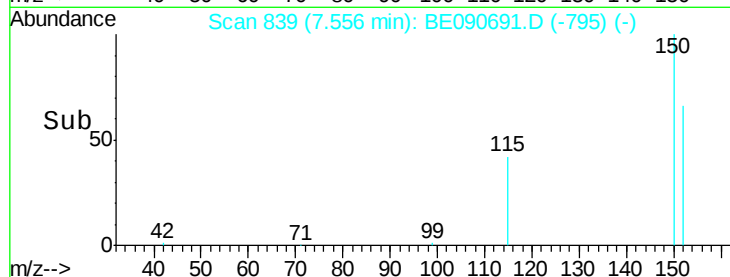
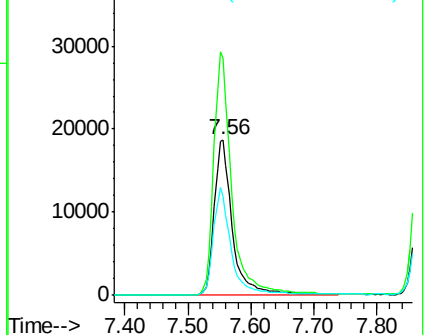
115 63.7 51.0 76.4



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



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.15 min Scan# 82

Delta R.T. -0.01 min

Lab File: BE090691.D

Acq: 2 Sep 2015 6:13

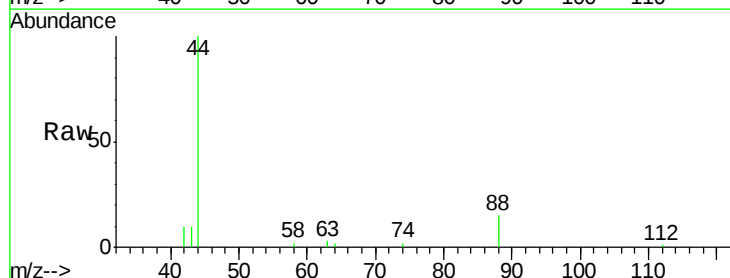
Tgt Ion: 88 Resp: 96

Ion Ratio Lower Upper

88 100

58 46.9 68.4 102.6#

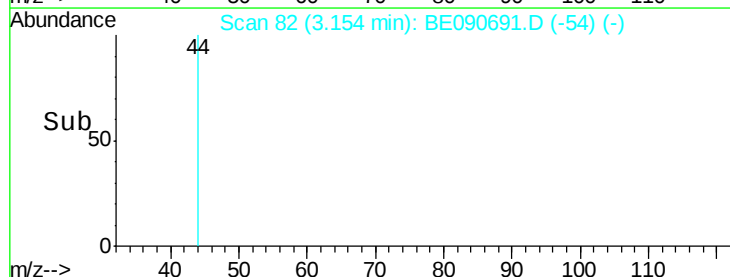
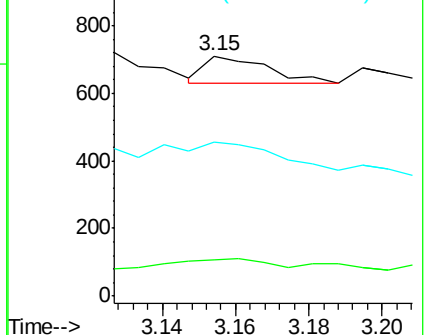
43 250.0 26.9 40.3#



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



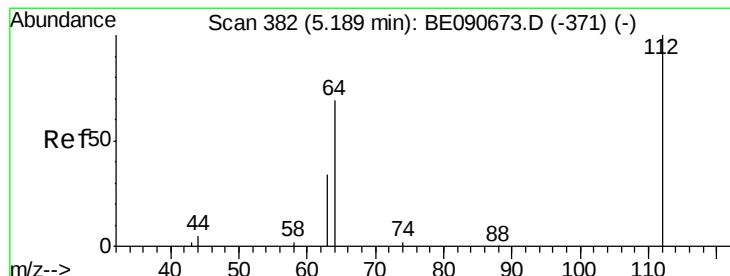
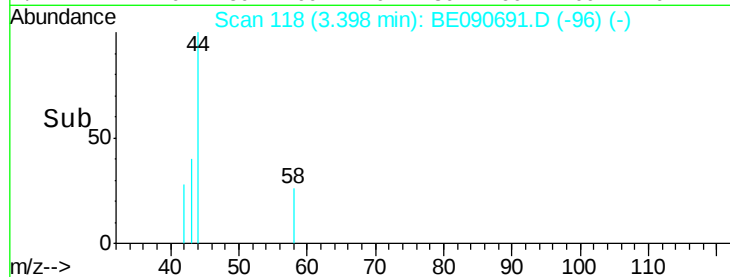
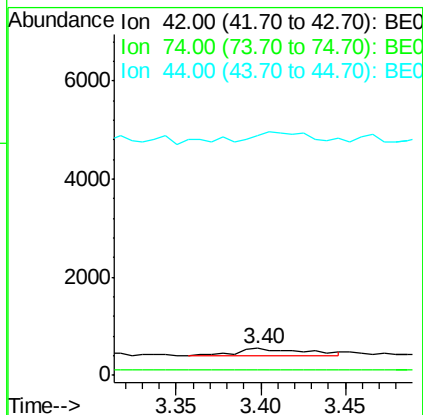
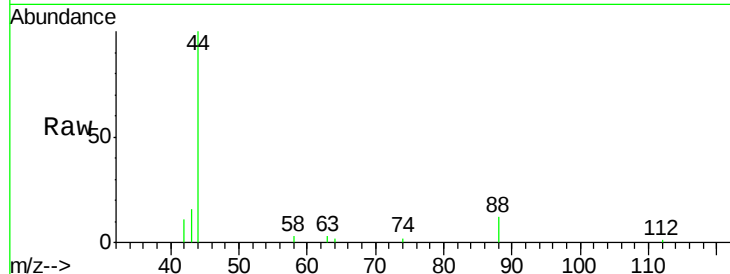


#3

n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.40 min Scan# 118
 Delta R.T. -0.05 min
 Lab File: BE090691.D
 Acq: 2 Sep 2015 6:13

Instrument :
 BNA_E
 ClientSampleId :

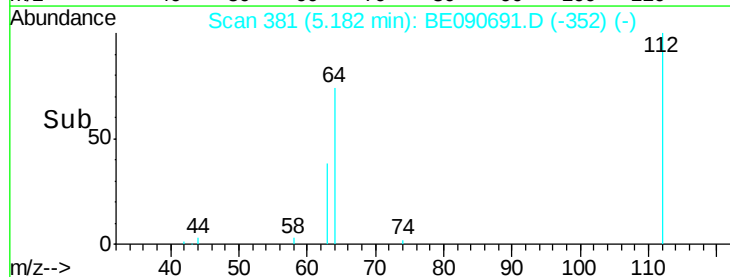
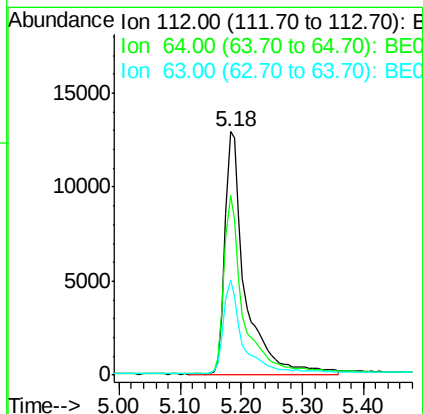
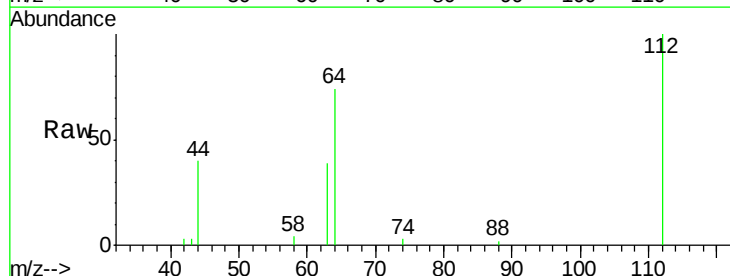
Tot Ion: 42 Resp: 383
 Ion Ratio Lower Upper
 42 100
 74 0.0 83.7 125.5#
 44 155.1 10.0 15.0#



#4

2-Fluorophenol
 Concen: 4.04 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: BE090691.D
 Acq: 2 Sep 2015 6:13

Tgt Ion: 112 Resp: 29407
 Ion Ratio Lower Upper
 112 100
 64 70.6 57.3 85.9
 63 37.0 29.2 43.8





#5

Phenol-d6

Concen: 2.41 ng

RT: 6.75 min Scan# 662

Delta R.T. -0.00 min

Lab File: BE090691.D

Acq: 2 Sep 2015 6:13

Instrument :

BNA_E

ClientSampleId :

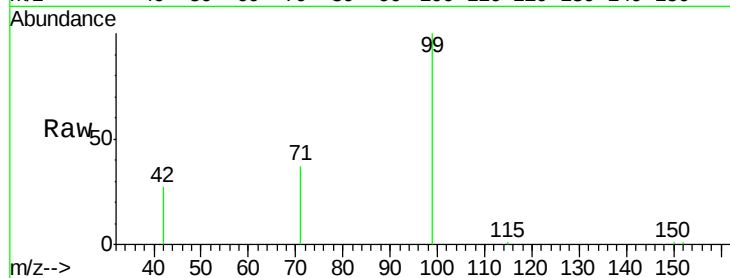
Tot Ion: 99 Resp: 25048

Ion Ratio Lower Upper

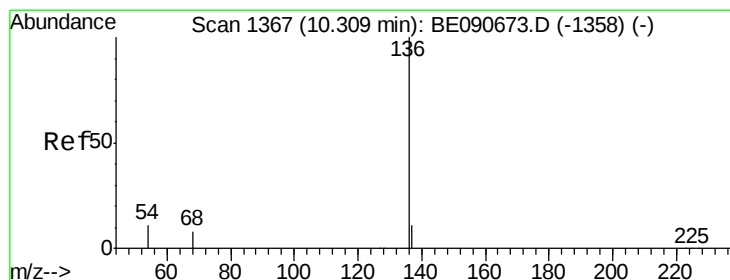
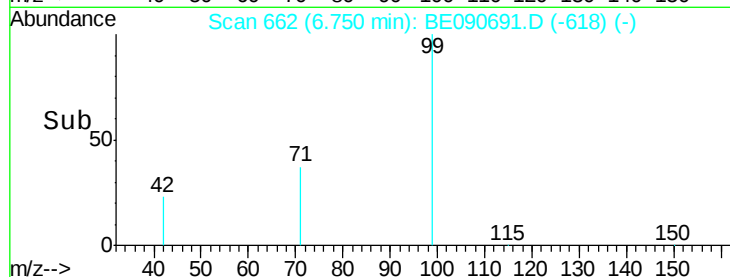
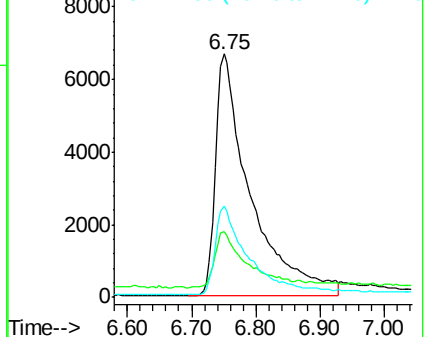
99 100

42 21.0 16.8 25.2

71 33.8 28.3 42.5



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: 10.31 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE090691.D

Acq: 2 Sep 2015 6:13

Tgt Ion: 136 Resp: 161294

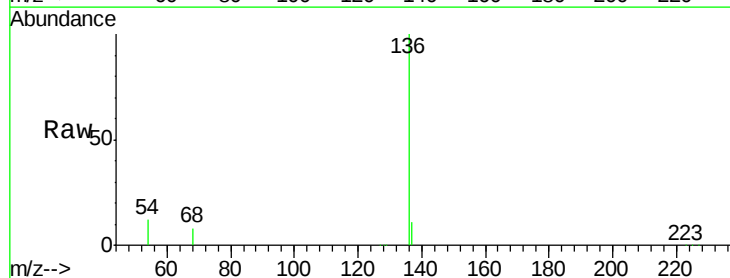
Ion Ratio Lower Upper

136 100

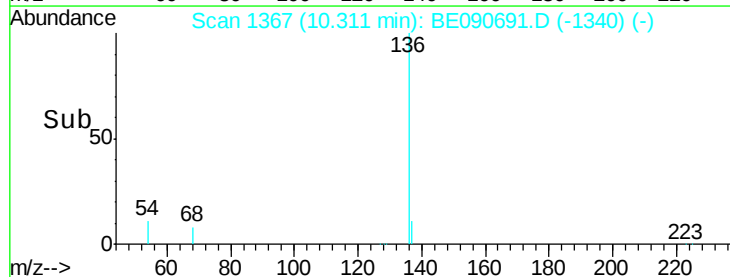
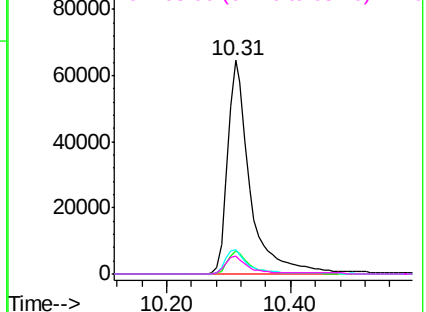
137 10.9 8.7 13.1

54 11.5 9.0 13.6

68 8.3 6.3 9.5



Abundance Ion 136.00 (135.70 to 136.70): BE0
Ion 137.00 (136.70 to 137.70): BE0
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 3.79 ng

RT: 8.71 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE090691.D

Acq: 2 Sep 2015 6:13

Instrument :

BNA_E

ClientSampleId :

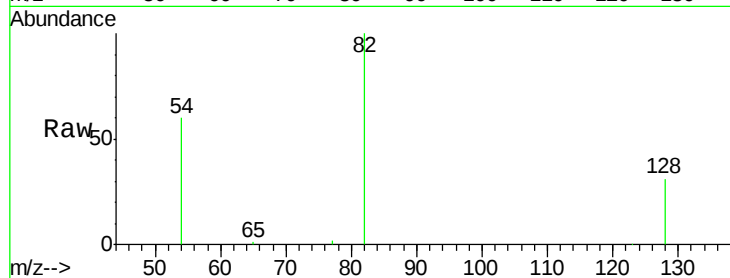
Tot Ion: 82 Resp: 40383

Ion Ratio Lower Upper

82 100

128 30.5 25.0 37.4

54 59.7 46.3 69.5



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

8.71

15000

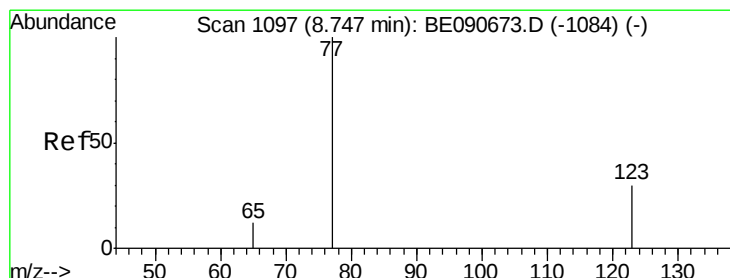
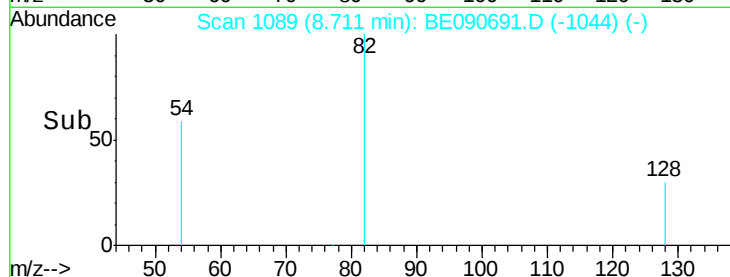
10000

5000

0

Time-->

8.60 8.70 8.80 8.90



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.76 min Scan# 1099

Delta R.T. 0.01 min

Lab File: BE090691.D

Acq: 2 Sep 2015 6:13

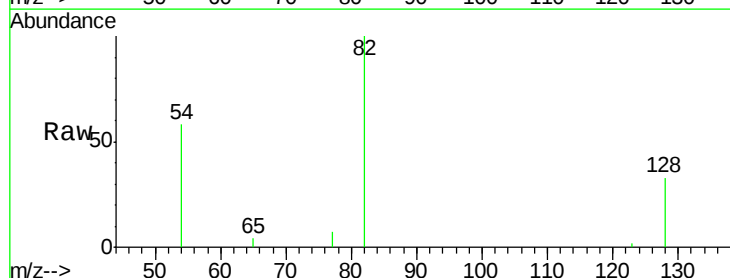
Tgt Ion: 77 Resp: 23

Ion Ratio Lower Upper

77 100

123 0.0 25.1 37.7#

65 34.8 9.9 14.9#



Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

250

200

150

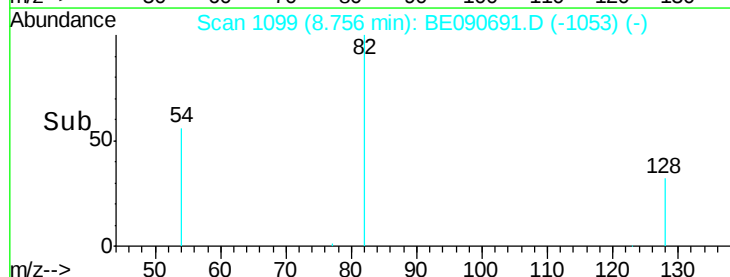
100

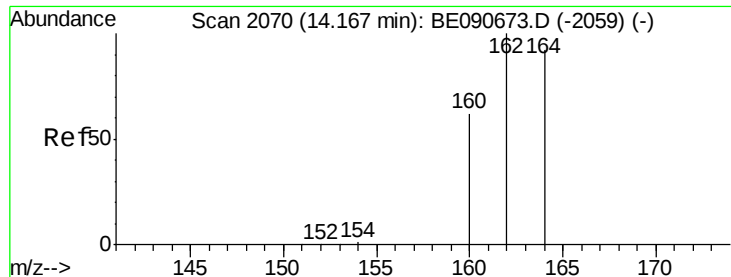
50

0

Time-->

8.74 8.75 8.76 8.77





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090691.D

Acq: 2 Sep 2015 6:13

Instrument :

BNA_E

ClientSampleId :

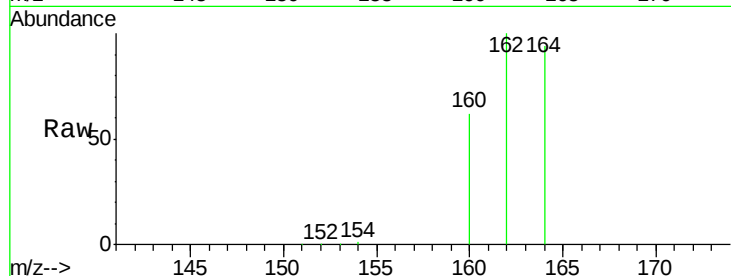
Tot Ion:164 Resp: 82337

Ion Ratio Lower Upper

164 100

162 106.3 86.8 130.2

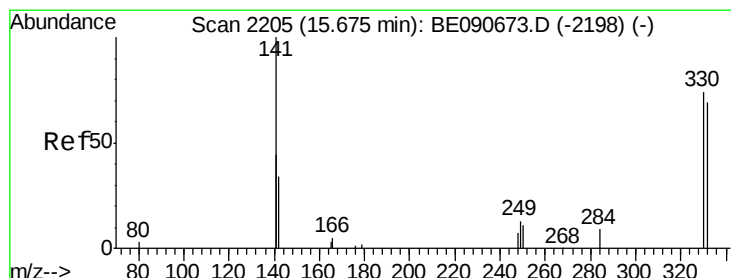
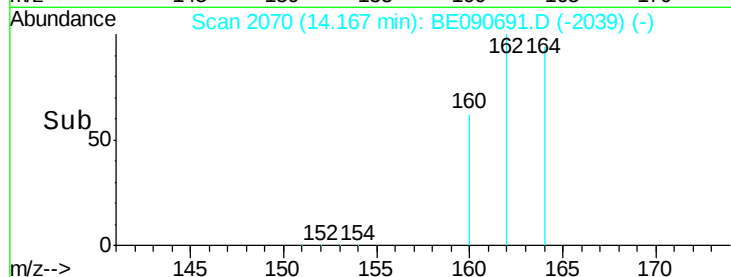
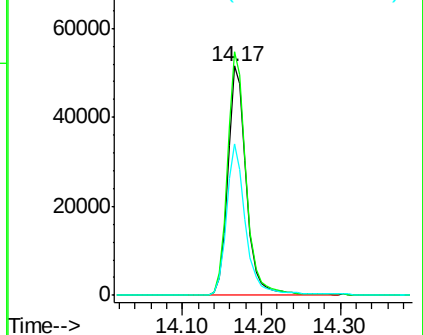
160 65.9 53.9 80.9



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: 9.03 ng

RT: 15.68 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BE090691.D

Acq: 2 Sep 2015 6:13

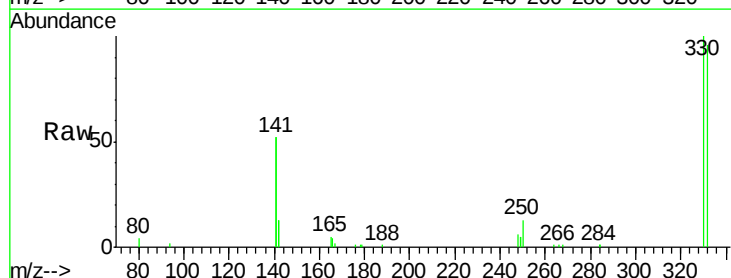
Tgt Ion:330 Resp: 21881

Ion Ratio Lower Upper

330 100

332 97.7 74.9 112.3

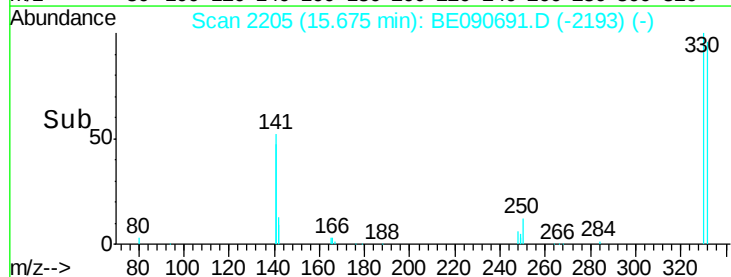
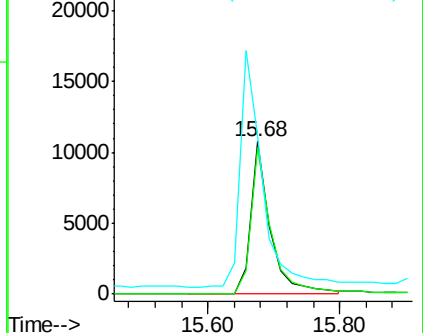
141 178.5 145.2 217.8

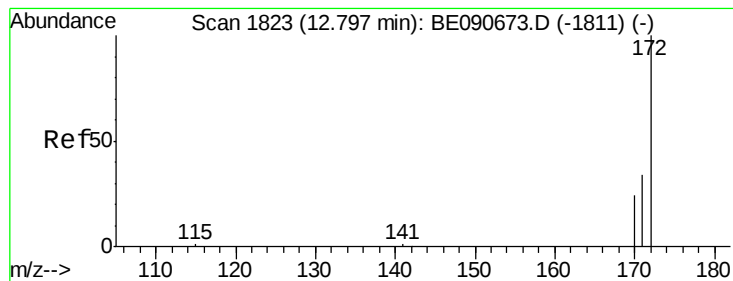


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

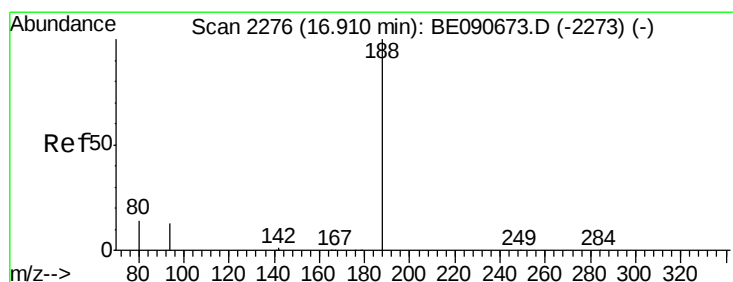
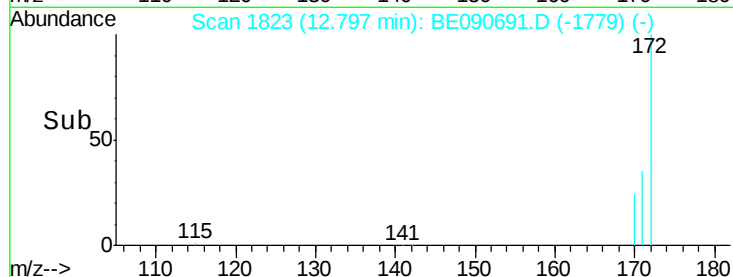
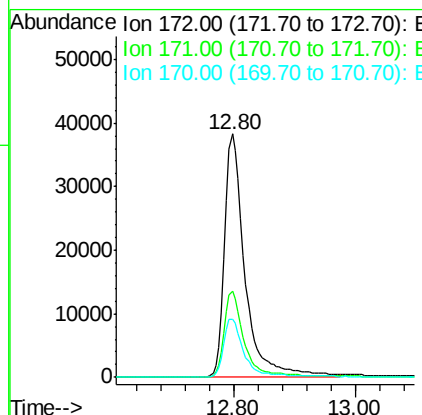
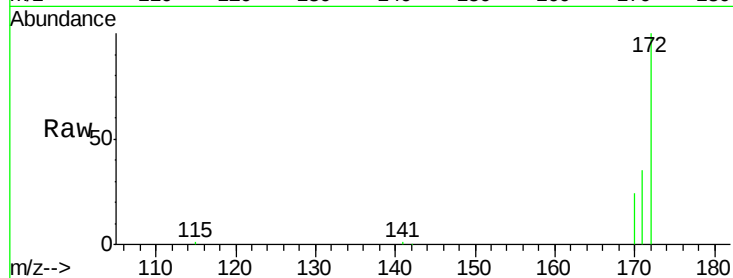




#14
2-Fluorobiphenyl
Concen: 3.93 ng
RT: 12.80 min Scan# 1823
Delta R.T. -0.00 min
Lab File: BE090691.D
Acq: 2 Sep 2015 6:13

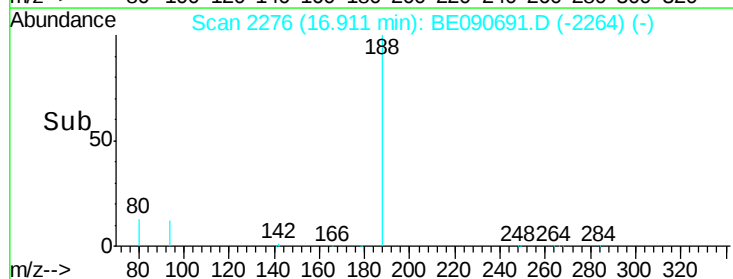
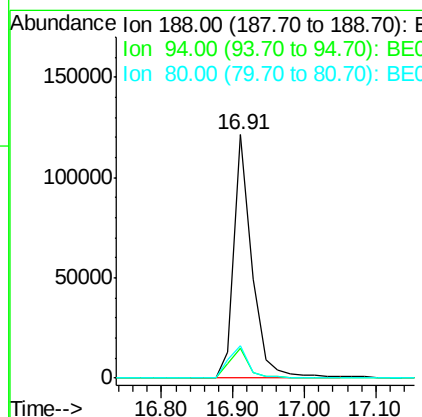
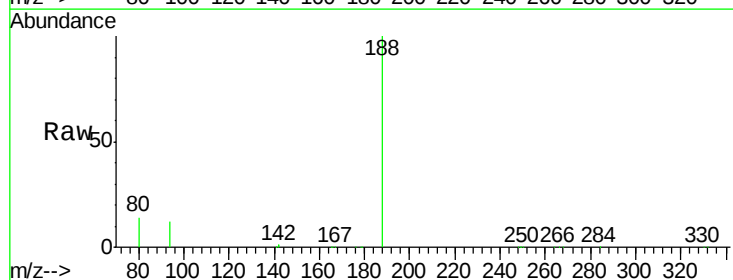
Instrument :
BNA_E
ClientSampled :

Tot Ion:172 Resp: 89672
Ion Ratio Lower Upper
172 100
171 35.3 27.8 41.8
170 24.0 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2276
Delta R.T. 0.00 min
Lab File: BE090691.D
Acq: 2 Sep 2015 6:13

Tgt Ion:188 Resp: 212278
Ion Ratio Lower Upper
188 100
94 12.2 10.3 15.5
80 13.6 11.0 16.6





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2237

Delta R.T. 0.00 min

Lab File: BE090691.D

Acq: 2 Sep 2015 6:13

Instrument :

BNA_E

ClientSampleId :

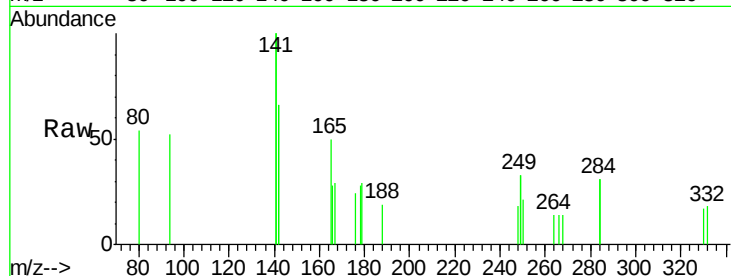
Tot Ion:284 Resp: 88

Ion Ratio Lower Upper

284 100

142 429.5 35.0 52.4#

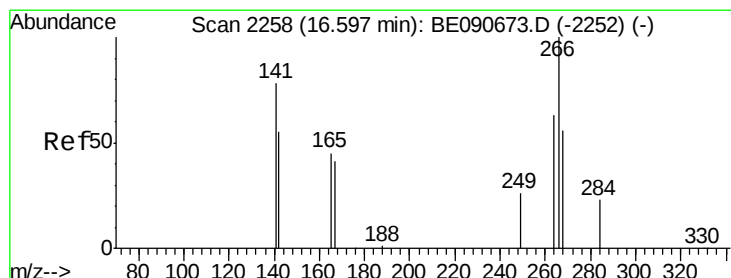
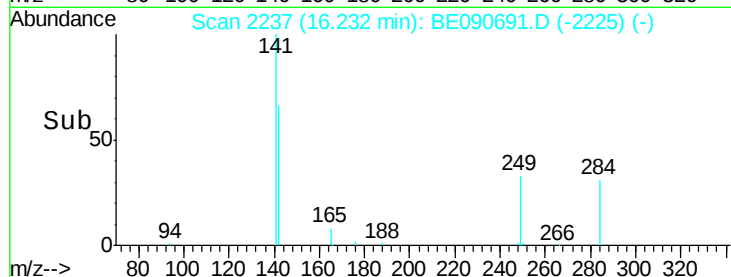
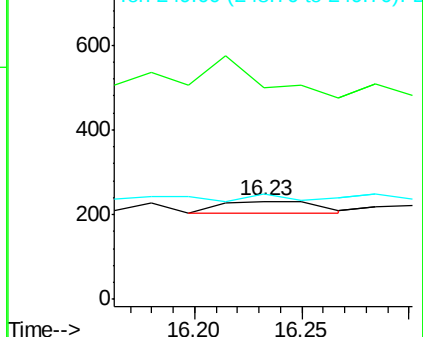
249 22.7 25.5 38.3#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#21

Pentachlorophenol

Concen: Below Cal

RT: 16.58 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BE090691.D

Acq: 2 Sep 2015 6:13

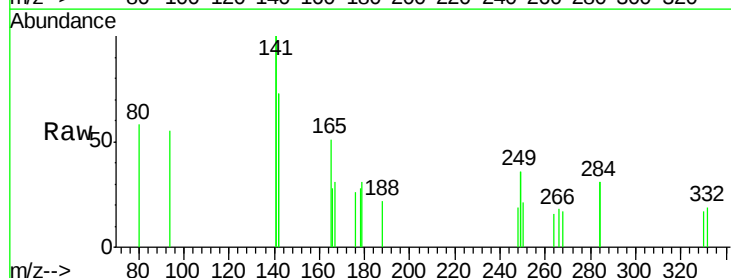
Tgt Ion:266 Resp: 80

Ion Ratio Lower Upper

266 100

268 98.3 49.6 74.4#

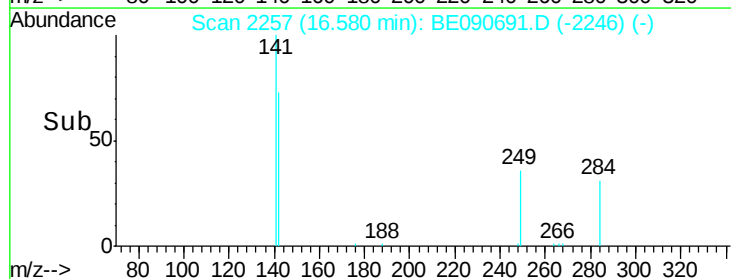
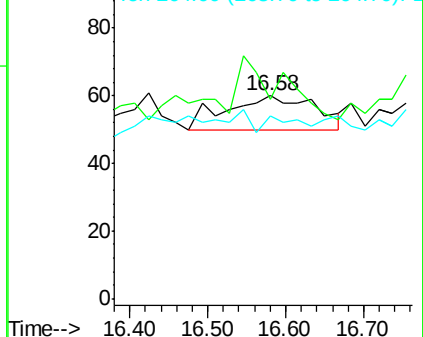
264 90.0 53.9 80.9#



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





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2862

Delta R.T. -0.00 min

Lab File: BE090691.D

Acq: 2 Sep 2015 6:13

Instrument :

BNA_E

ClientSampled :

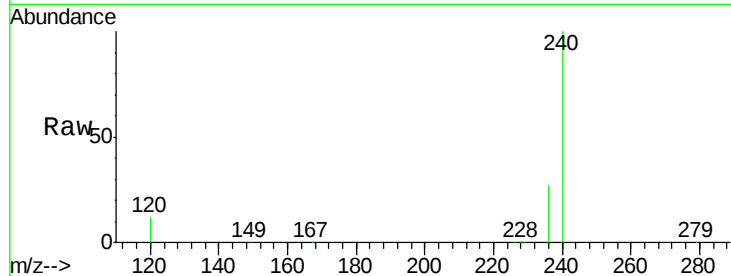
Tot Ion:240 Resp: 284613

Ion Ratio Lower Upper

240 100

120 11.8 10.1 15.1

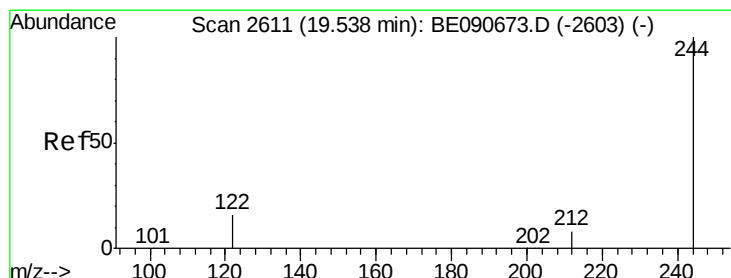
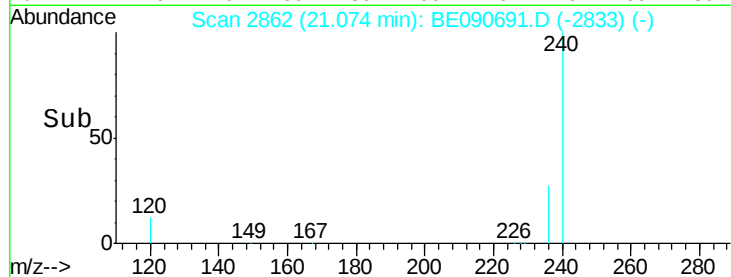
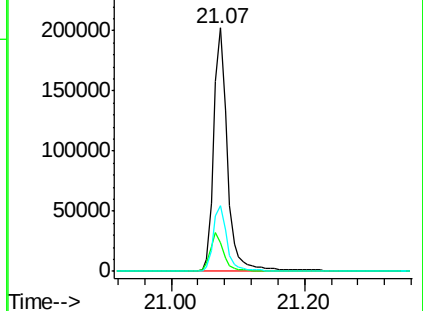
236 26.9 21.9 32.9



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



#27

Terphenyl-d14

Concen: 6.28 ng

RT: 19.53 min Scan# 2610

Delta R.T. -0.01 min

Lab File: BE090691.D

Acq: 2 Sep 2015 6:13

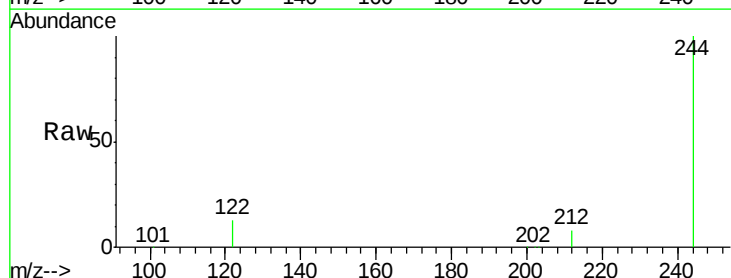
Tgt Ion:244 Resp: 197737

Ion Ratio Lower Upper

244 100

212 8.0 6.9 10.3

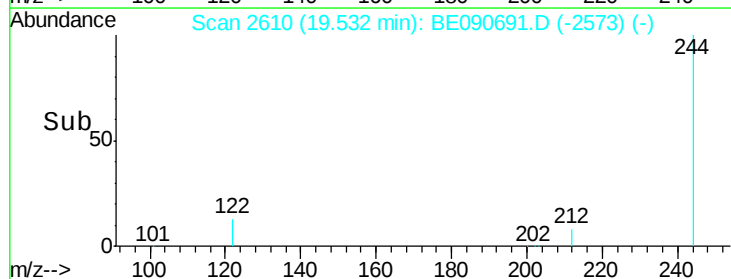
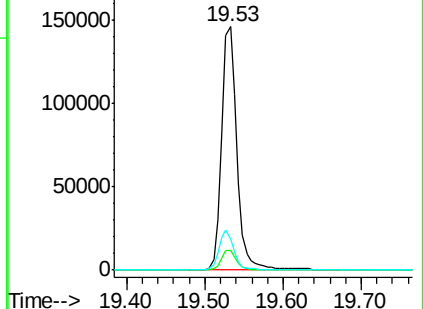
122 13.0 12.9 19.3



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





#29

Chrysene

Concen: Below Cal

RT: 21.11 min Scan# 2867

Delta R.T. 0.00 min

Lab File: BE090691.D

Acq: 2 Sep 2015 6:13

Instrument :

BNA_E

ClientSampleId :

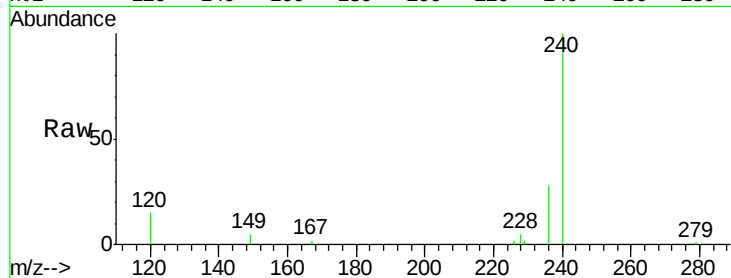
Tot Ion:228 Resp: 414

Ion Ratio Lower Upper

228 100

226 49.9 24.2 36.4#

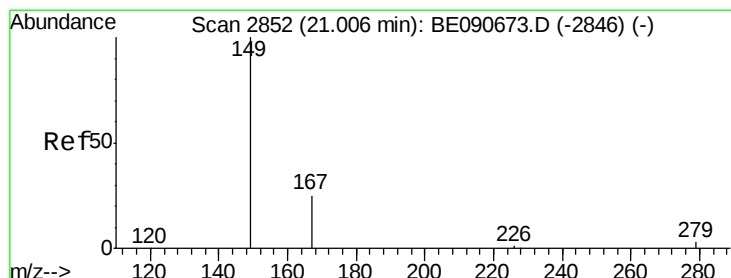
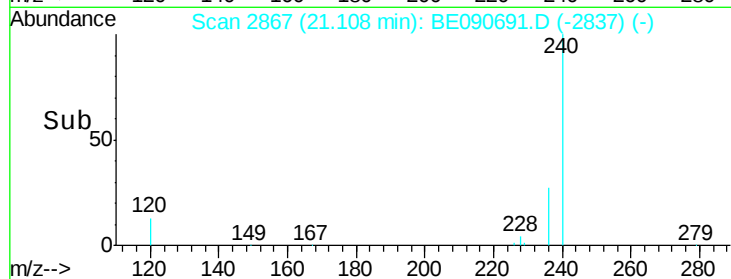
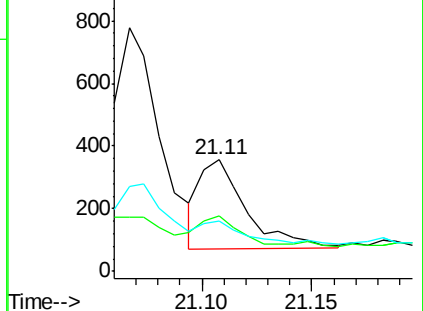
229 44.8 15.3 22.9#



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.20 ng

RT: 21.00 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BE090691.D

Acq: 2 Sep 2015 6:13

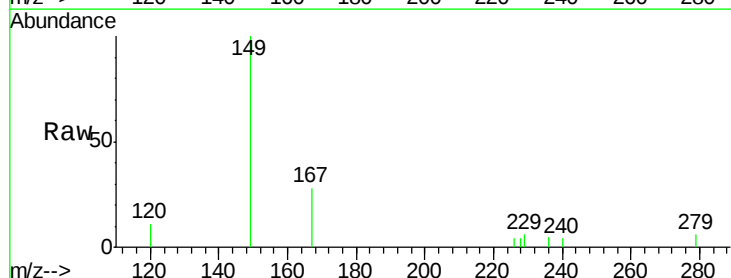
Tgt Ion:149 Resp: 2164

Ion Ratio Lower Upper

149 100

167 23.0 20.1 30.1

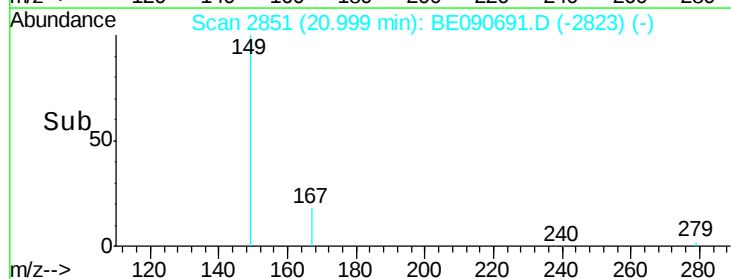
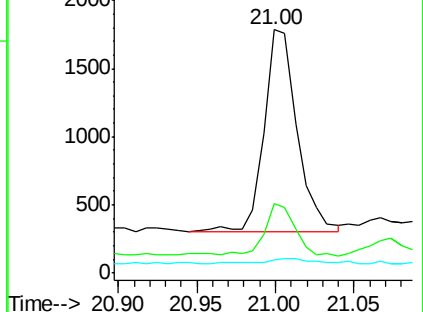
279 4.5 2.3 3.5#

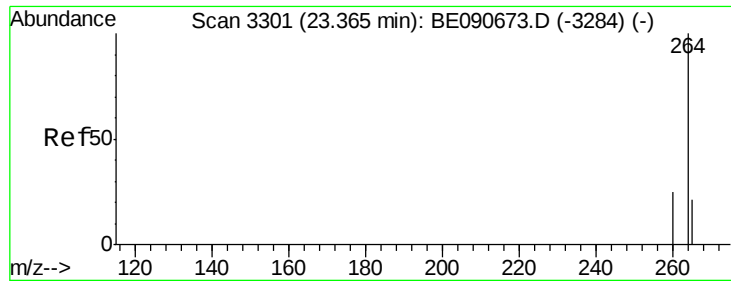


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

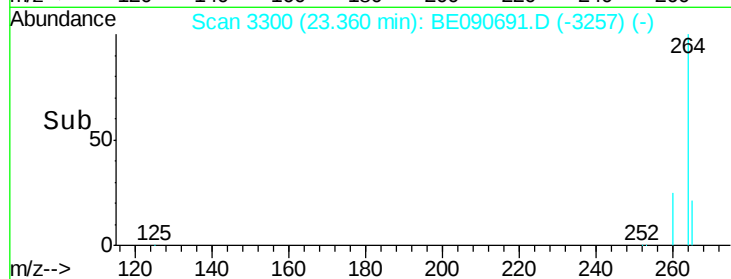
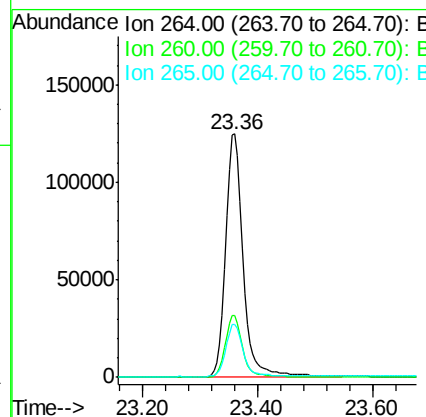




#32
Pervlene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 3300
Delta R.T. -0.00 min
Lab File: BE090691.D
Acq: 2 Sep 2015 6:13

Instrument :
BNA_E
ClientSampleId :

Tot Ion:264 Resp: 271623
Ion Ratio Lower Upper
264 100
260 25.1 19.7 29.5
265 21.8 17.5 26.3



#36
Dibenzo(a,h)anthracene
Concen: 0.14 ng
RT: 25.75 min Scan# 3820
Delta R.T. -0.00 min
Lab File: BE090691.D
Acq: 2 Sep 2015 6:13

Tgt Ion:278 Resp: 81
Ion Ratio Lower Upper
278 100
139 117.0 15.4 23.0#
279 97.3 18.8 28.2#

