

Data Path : Z:\HPCHEM1\BNA E\DATA\BE090115\
 Data File : BE090690.D
 Acq On : 2 Sep 2015 5:37
 Operator : UM/IZ
 Sample : G3504-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 02 06:31:46 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

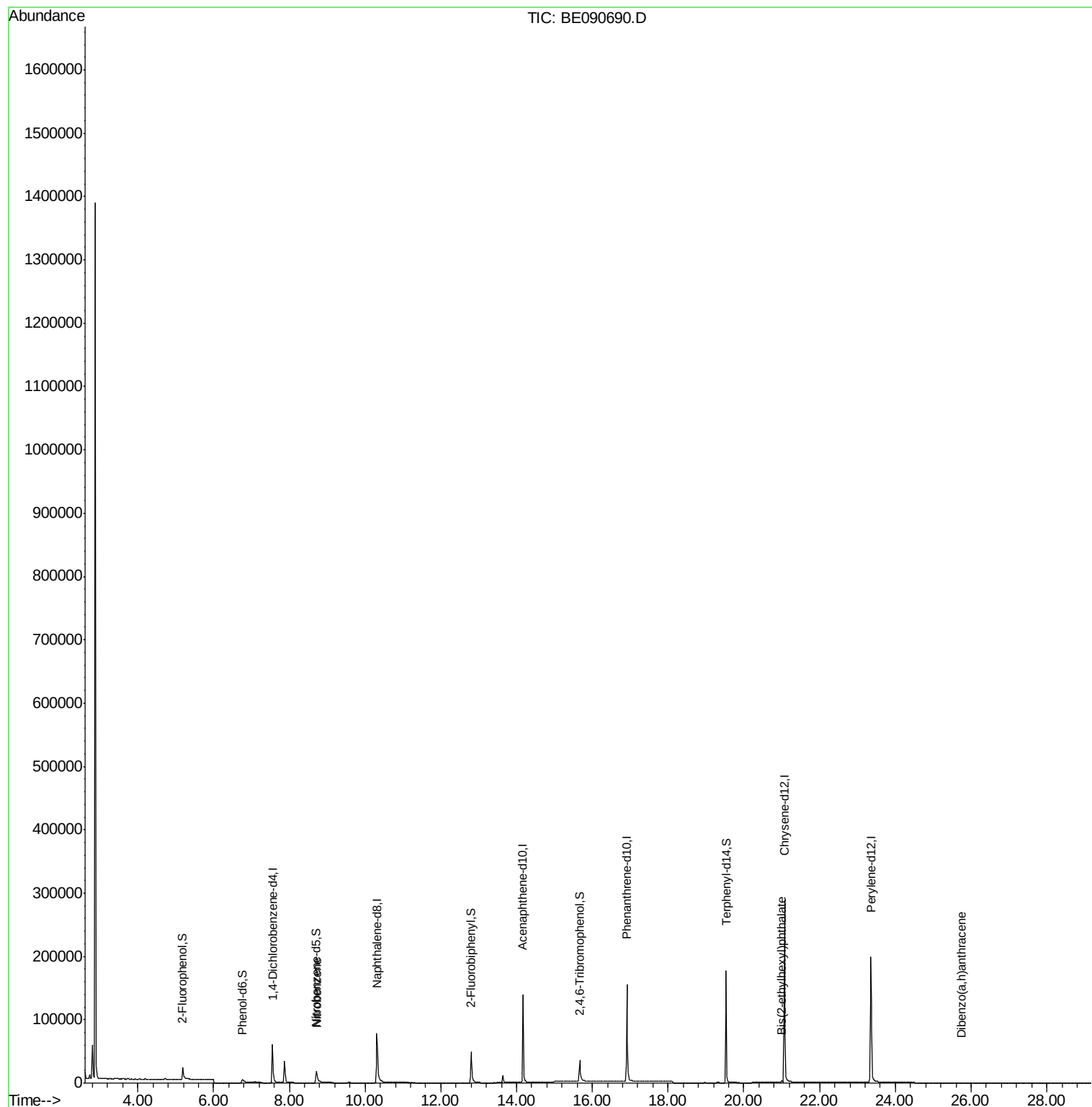
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	38125	5.00	ng	0.00
6) Naphthalene-d8	10.32	136	162152	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	83830	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	215859	5.00	ng	0.00
25) Chrysene-d12	21.07	240	299020	5.00	ng	0.00
32) Perylene-d12	23.36	264	283219	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	20547	2.78	ng	0.00
5) Phenol-d6	6.76	99	15502	1.46	ng	0.00
7) Nitrobenzene-d5	8.71	82	33292	3.11	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	19256	7.83	ng	0.00
14) 2-Fluorobiphenyl	12.80	172	75562	3.25	ng	0.00
27) Terphenyl-d14	19.53	244	193667	5.85	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.22	88	81	Below Cal	#	40
3) n-Nitrosodimethylamine	3.41	42	298	Below Cal	#	1
8) Nitrobenzene	8.73	77	60	0.11 ng	#	59
20) Hexachlorobenzene	16.25	284	79	Below Cal	#	37
21) Pentachlorophenol	16.58	266	35	Below Cal	#	71
29) Chrysene	21.11	228	362	Below Cal	#	69
30) Bis(2-ethylhexyl)phthalate	21.00	149	3685	0.28 ng		99
36) Dibenzo(a,h)anthracene	25.74	278	220	0.14 ng	#	1

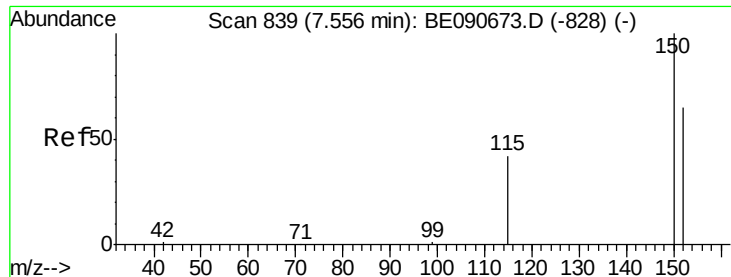
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 838

Delta R.T. -0.00 min

Lab File: BE090690.D

Acq: 2 Sep 2015 5:37

Instrument :

BNA_E

ClientSampleId :

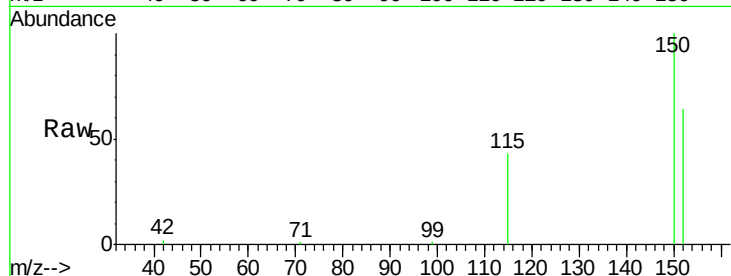
Tot Ion:152 Resp: 38125

Ion Ratio Lower Upper

152 100

150 156.8 122.2 183.4

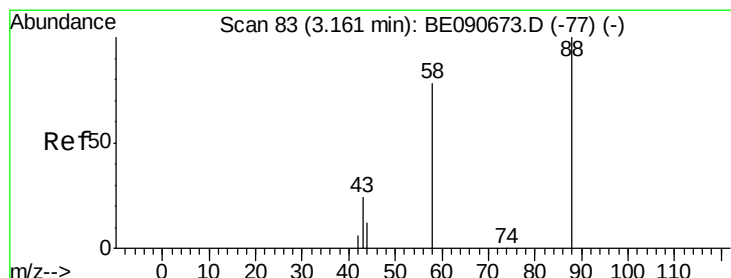
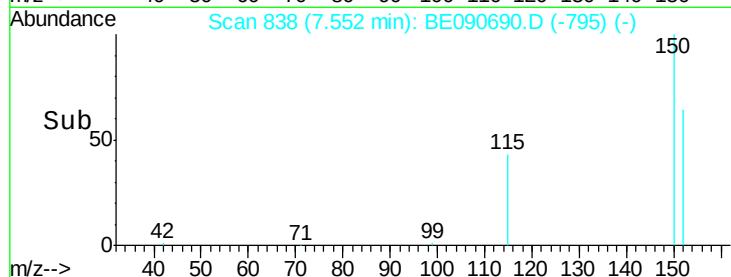
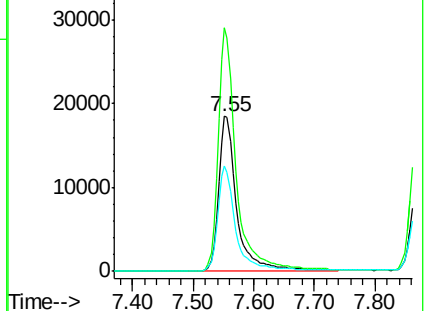
115 67.6 51.0 76.4



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: 3.22 min Scan# 91

Delta R.T. 0.06 min

Lab File: BE090690.D

Acq: 2 Sep 2015 5:37

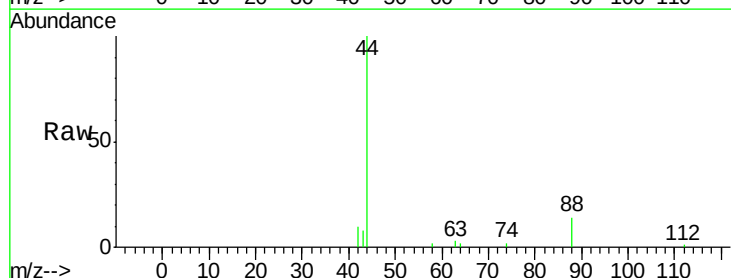
Tgt Ion: 88 Resp: 81

Ion Ratio Lower Upper

88 100

58 12.3 68.4 102.6#

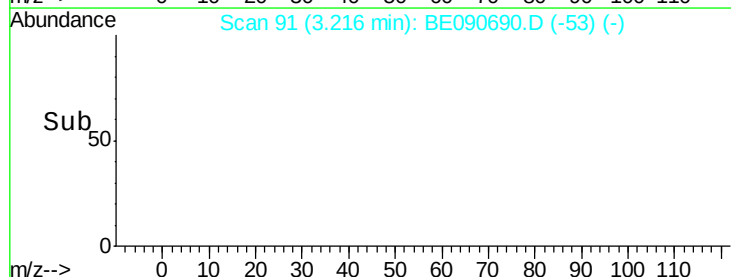
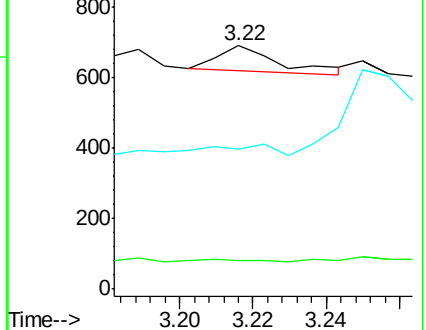
43 39.5 26.9 40.3

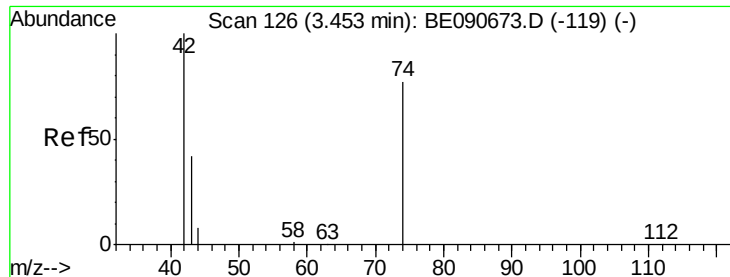


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



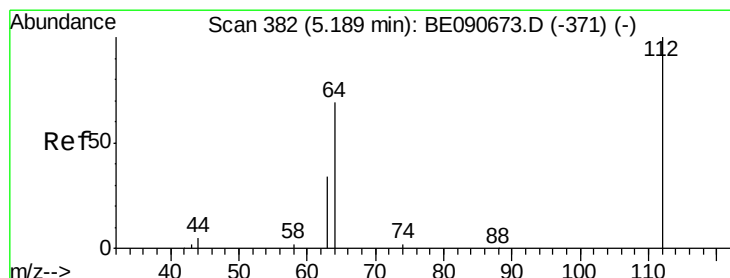
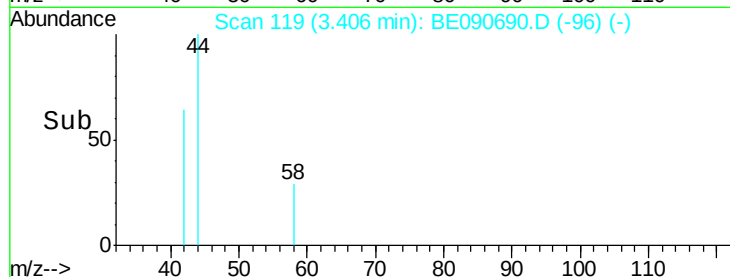
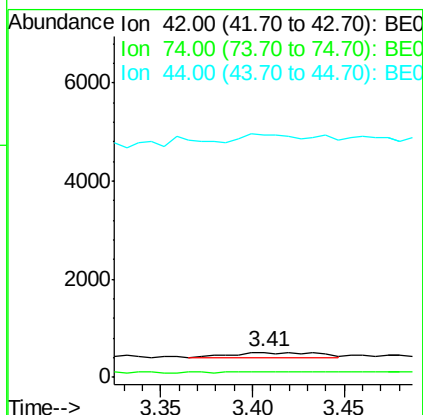
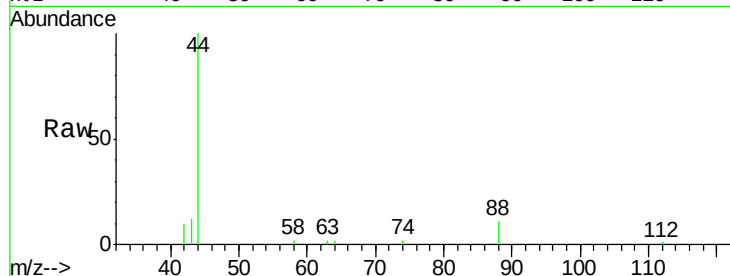


#3

n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.41 min Scan# 119
 Delta R.T. -0.05 min
 Lab File: BE090690.D
 Acq: 2 Sep 2015 5:37

Instrument :
 BNA_E
 ClientSampleId :

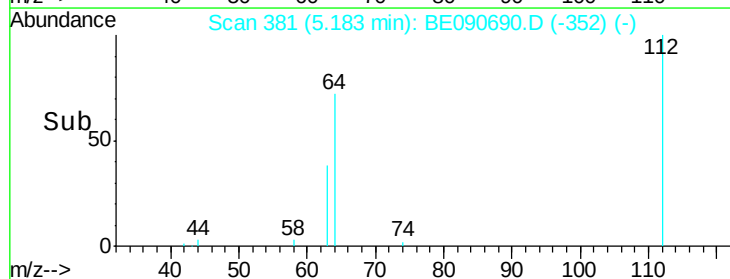
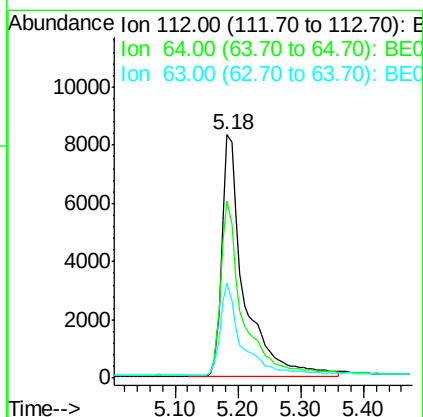
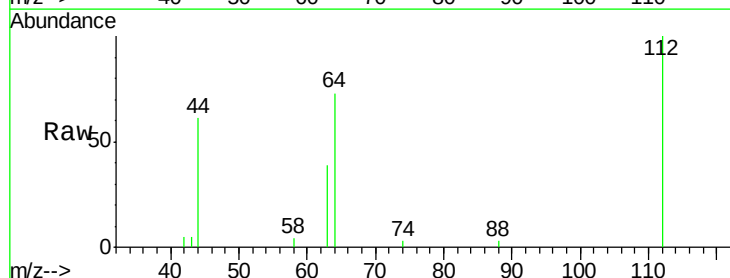
Tot Ion: 42 Resp: 298
 Ion Ratio Lower Upper
 42 100
 74 14.4 83.7 125.5#
 44 115.1 10.0 15.0#

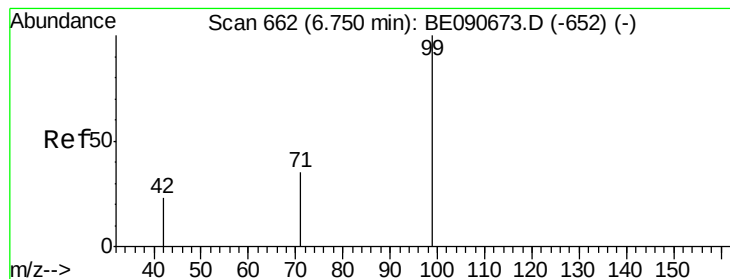


#4

2-Fluorophenol
 Concen: 2.78 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: BE090690.D
 Acq: 2 Sep 2015 5:37

Tgt Ion: 112 Resp: 20547
 Ion Ratio Lower Upper
 112 100
 64 69.9 57.3 85.9
 63 36.5 29.2 43.8





#5

Phenol-d6

Concen: 1.46 ng

RT: 6.76 min Scan# 663

Delta R.T. 0.00 min

Lab File: BE090690.D

Acq: 2 Sep 2015 5:37

Instrument :

BNA_E

ClientSampleId :

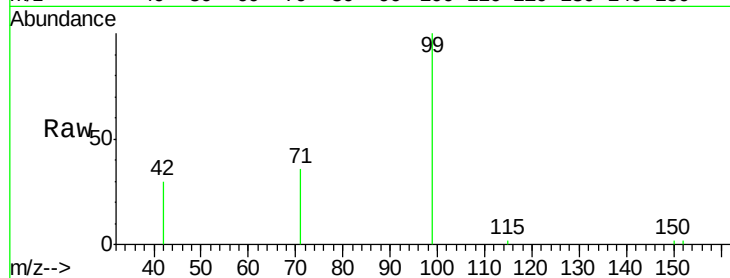
Tot Ion: 99 Resp: 15502

Ion Ratio Lower Upper

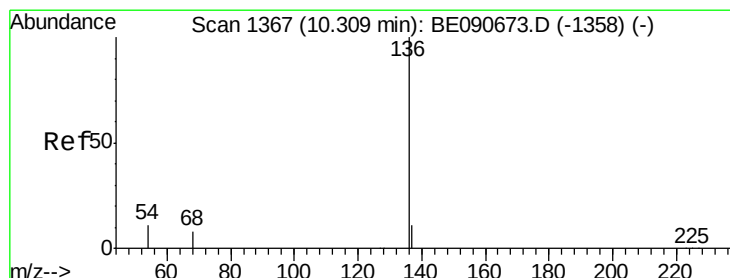
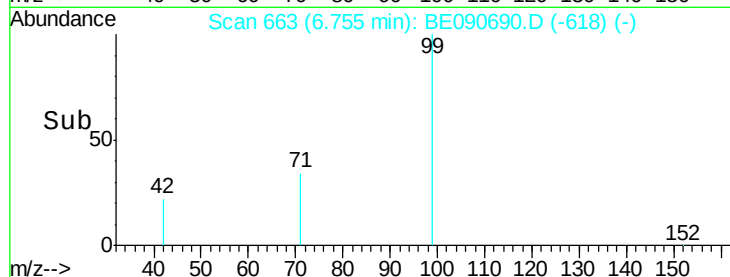
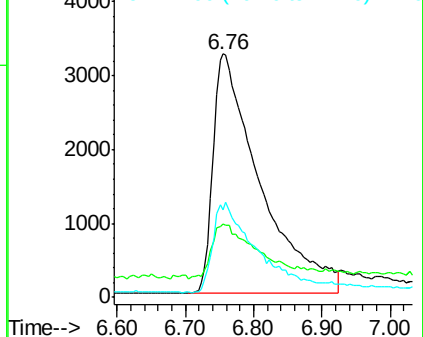
99 100

42 21.5 16.8 25.2

71 35.3 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: 10.32 min Scan# 1368

Delta R.T. 0.01 min

Lab File: BE090690.D

Acq: 2 Sep 2015 5:37

Tgt Ion: 136 Resp: 162152

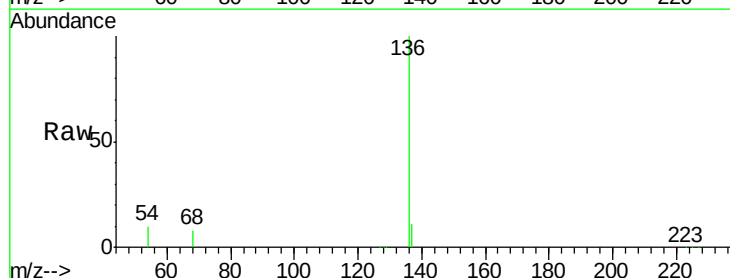
Ion Ratio Lower Upper

136 100

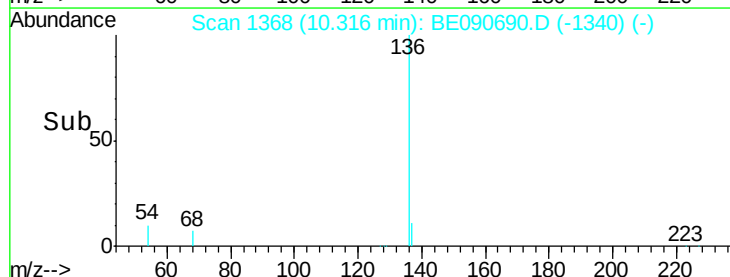
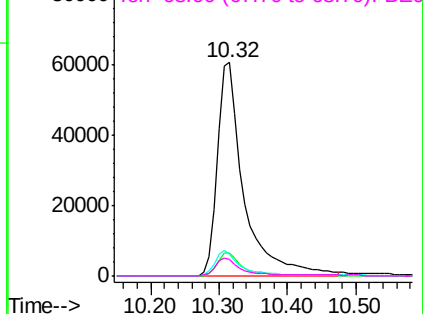
137 10.9 8.7 13.1

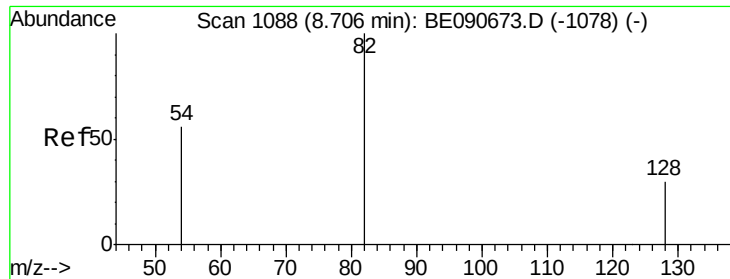
54 10.4 9.0 13.6

68 7.6 6.3 9.5



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: 3.11 ng

RT: 8.71 min Scan# 1090

Delta R.T. 0.01 min

Lab File: BE090690.D

Acq: 2 Sep 2015 5:37

Instrument :

BNA_E

ClientSampleId :

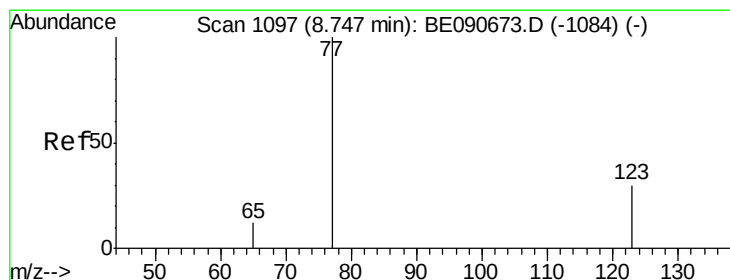
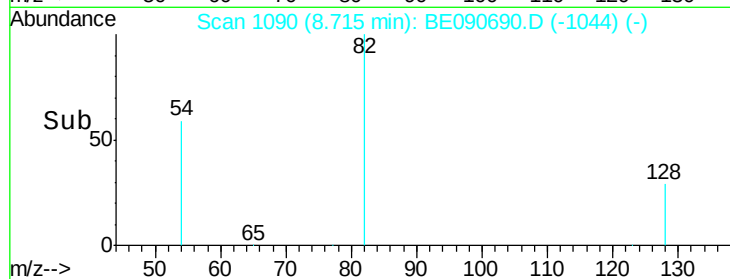
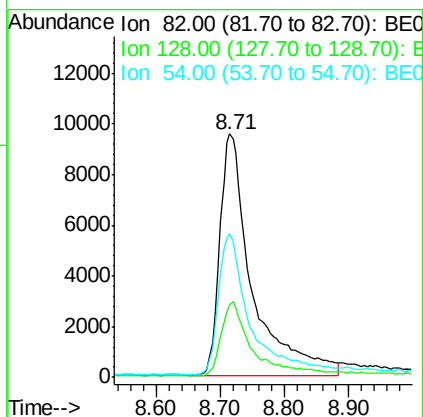
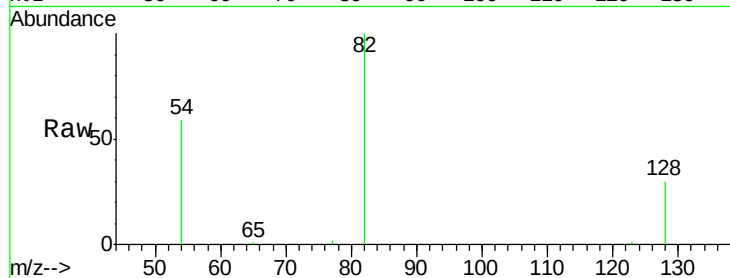
Tot Ion: 82 Resp: 33292

Ion Ratio Lower Upper

82 100

128 29.5 25.0 37.4

54 59.2 46.3 69.5



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.73 min Scan# 1094

Delta R.T. -0.01 min

Lab File: BE090690.D

Acq: 2 Sep 2015 5:37

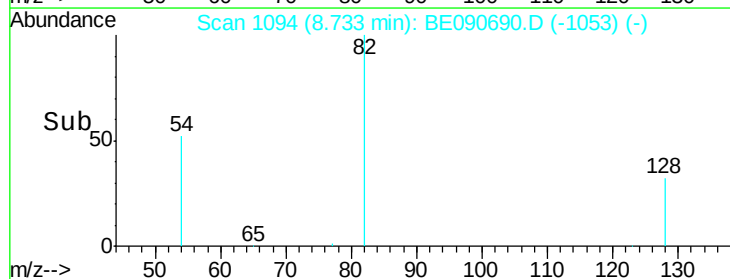
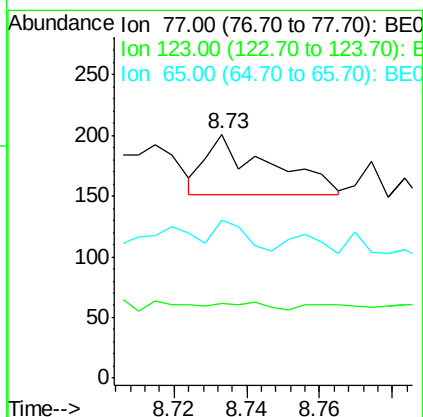
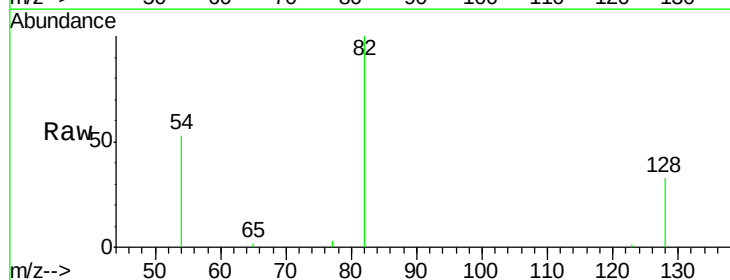
Tgt Ion: 77 Resp: 60

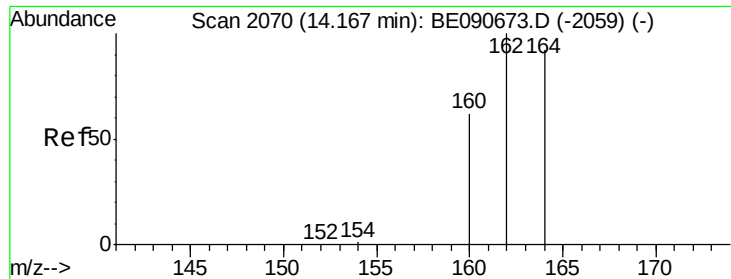
Ion Ratio Lower Upper

77 100

123 8.3 25.1 37.7#

65 28.3 9.9 14.9#





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. -0.00 min

Lab File: BE090690.D

Acq: 2 Sep 2015 5:37

Instrument :

BNA_E

ClientSampleId :

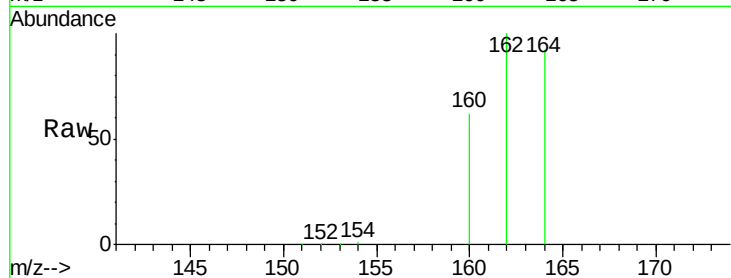
Tot Ion:164 Resp: 83830

Ion Ratio Lower Upper

164 100

162 108.3 86.8 130.2

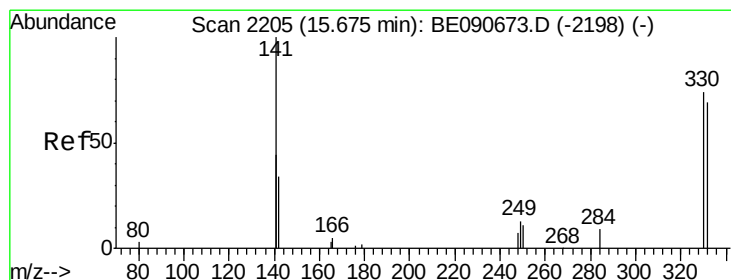
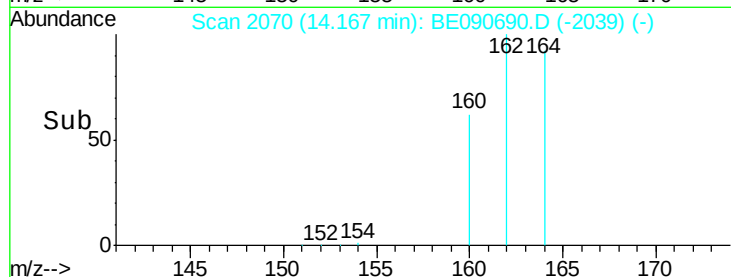
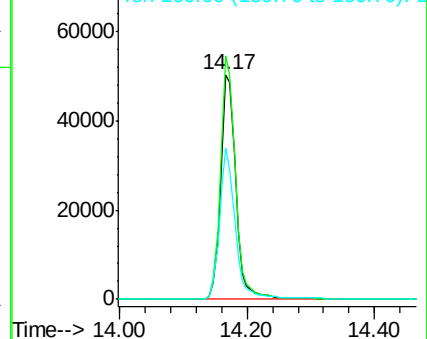
160 67.1 53.9 80.9



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: 7.83 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090690.D

Acq: 2 Sep 2015 5:37

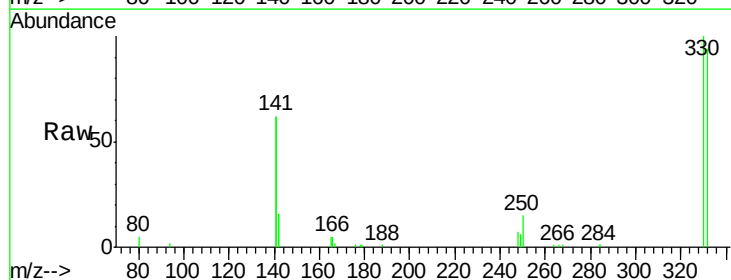
Tgt Ion:330 Resp: 19256

Ion Ratio Lower Upper

330 100

332 95.7 74.9 112.3

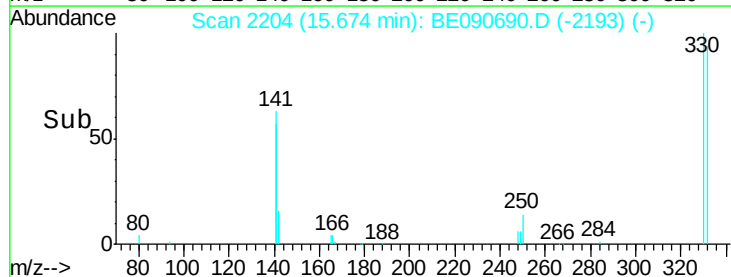
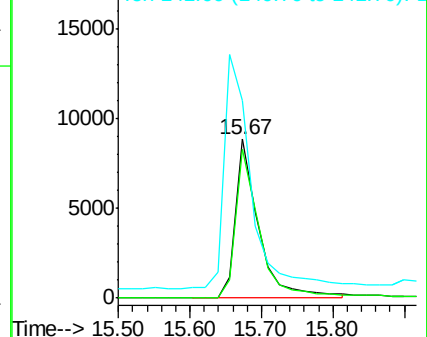
141 177.3 145.2 217.8

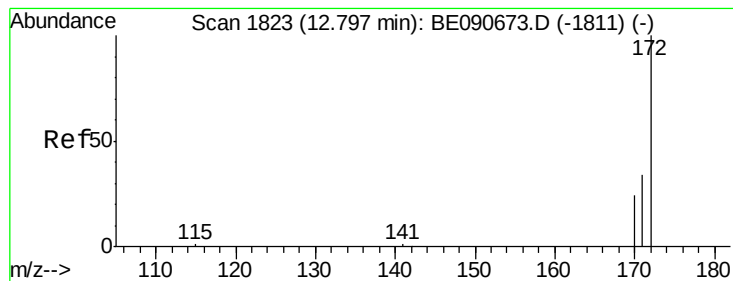


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

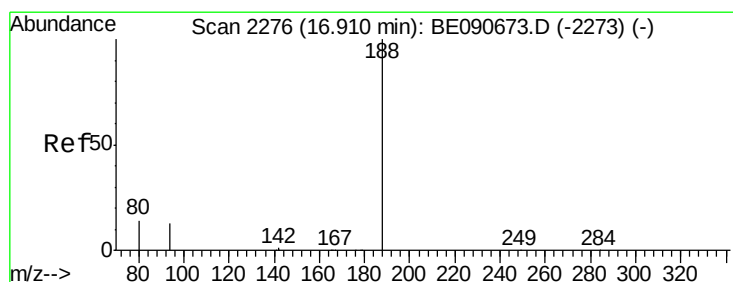
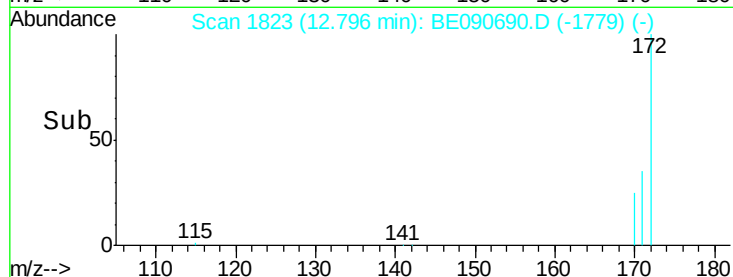
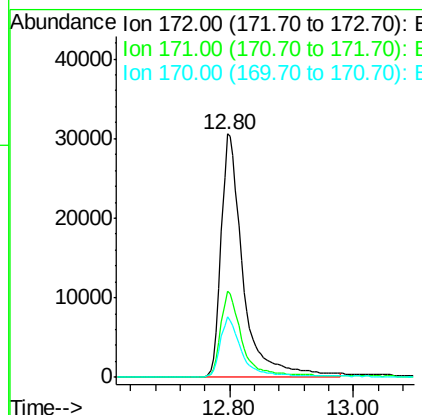
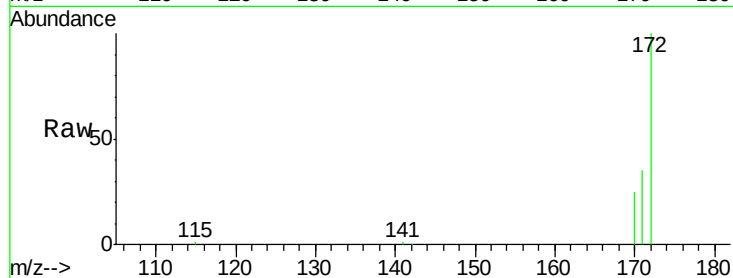




#14
2-Fluorobiphenyl
Concen: 3.25 ng
RT: 12.80 min Scan# 1823
Delta R.T. -0.00 min
Lab File: BE090690.D
Acq: 2 Sep 2015 5:37

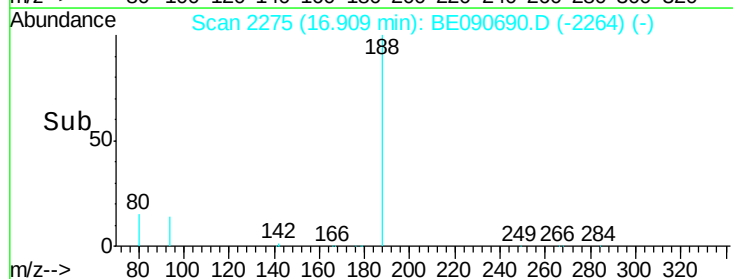
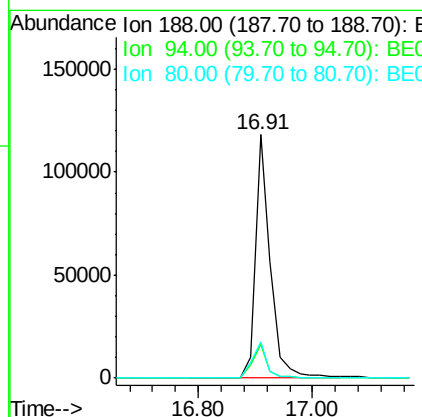
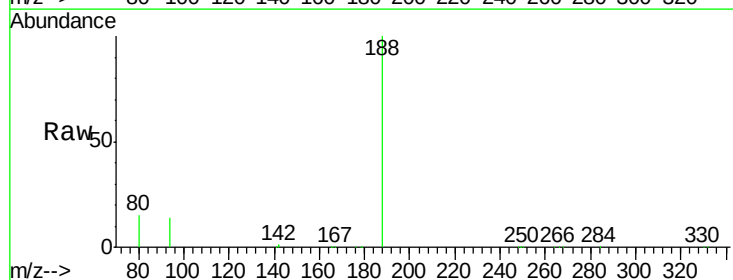
Instrument :
BNA_E
ClientSampleId :

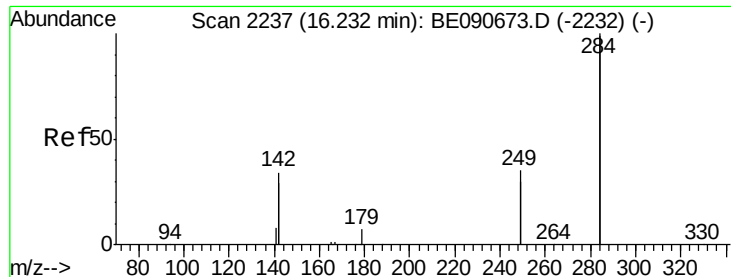
Tot Ion:172 Resp: 75562
Ion Ratio Lower Upper
172 100
171 35.3 27.8 41.8
170 24.8 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BE090690.D
Acq: 2 Sep 2015 5:37

Tgt Ion:188 Resp: 215859
Ion Ratio Lower Upper
188 100
94 13.7 10.3 15.5
80 14.8 11.0 16.6





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.25 min Scan# 2237

Delta R.T. 0.02 min

Lab File: BE090690.D

Acq: 2 Sep 2015 5:37

Instrument :

BNA_E

ClientSampled :

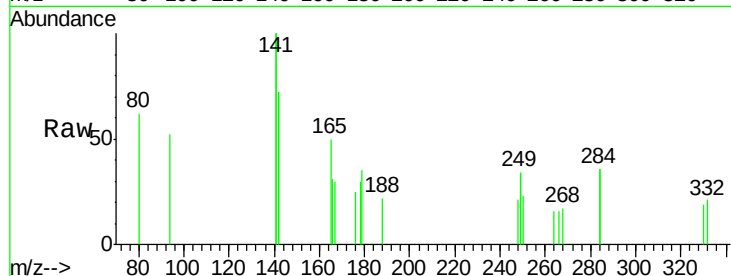
Tot Ion:284 Resp: 79

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

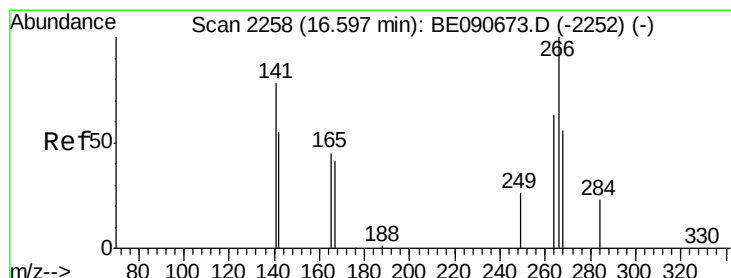
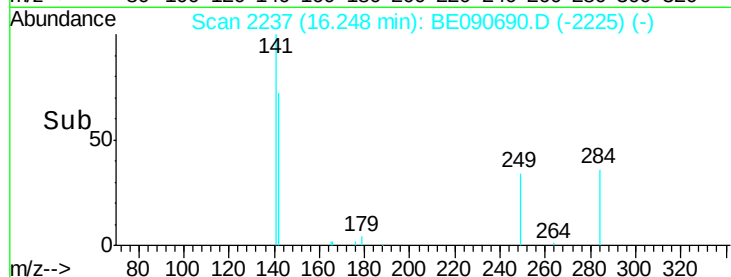
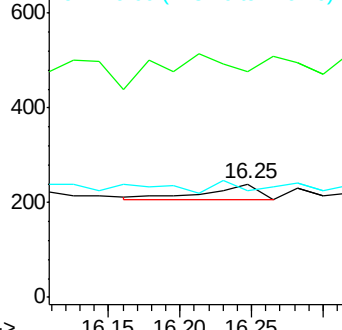
249 63.3 25.5 38.3#



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# 2256

Delta R.T. -0.02 min

Lab File: BE090690.D

Acq: 2 Sep 2015 5:37

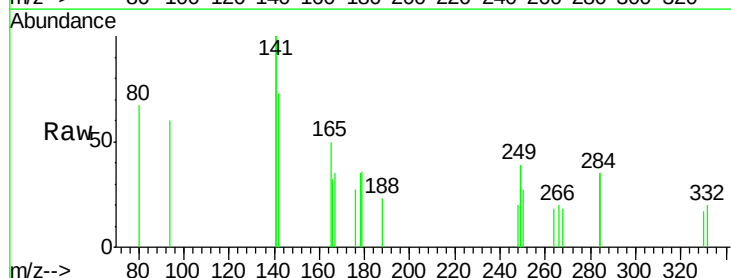
Tgt Ion:266 Resp: 35

Ion Ratio Lower Upper

266 100

268 87.3 49.6 74.4#

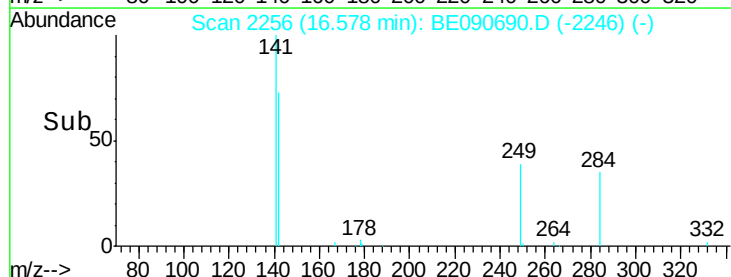
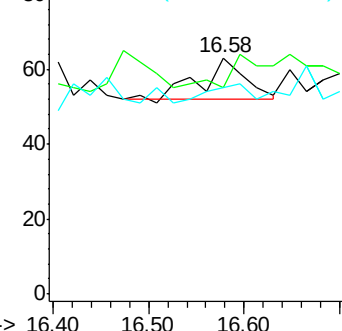
264 87.3 53.9 80.9#

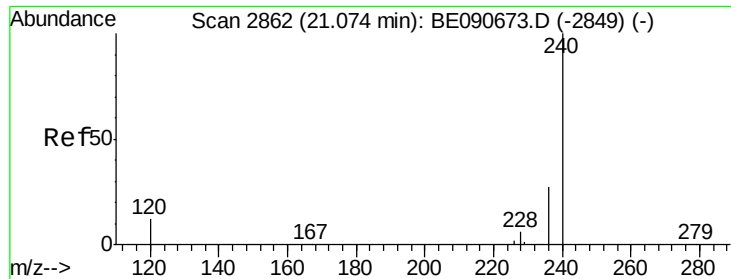


Abundance Ion 265.70 (265.40 to 266.40): E

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# 2861

Delta R.T. -0.00 min

Lab File: BE090690.D

Acq: 2 Sep 2015 5:37

Instrument :

BNA_E

ClientSampleId :

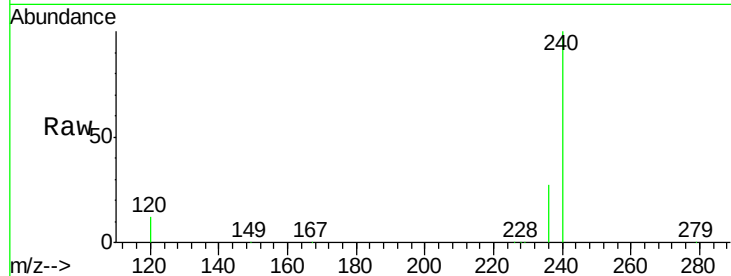
Tot Ion:240 Resp: 299020

Ion Ratio Lower Upper

240 100

120 12.2 10.1 15.1

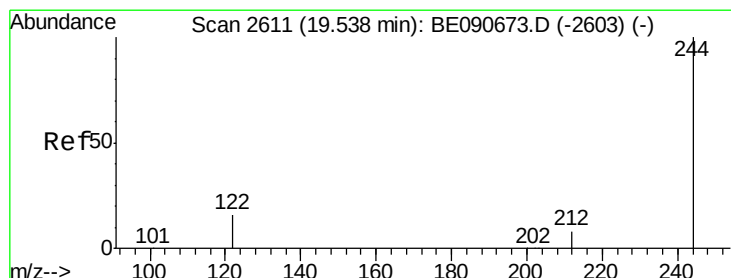
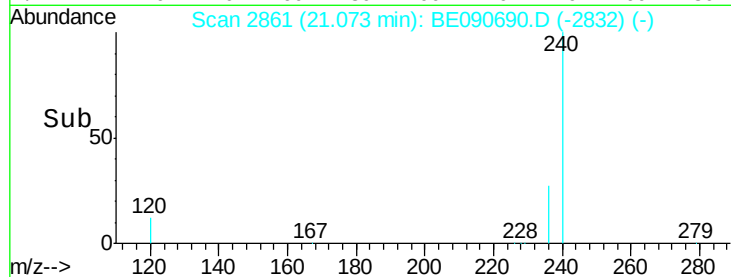
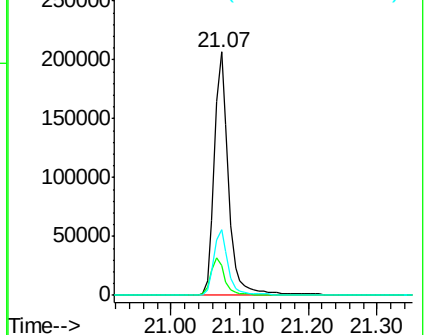
236 27.1 21.9 32.9



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: 5.85 ng

RT: 19.53 min Scan# 2609

Delta R.T. -0.01 min

Lab File: BE090690.D

Acq: 2 Sep 2015 5:37

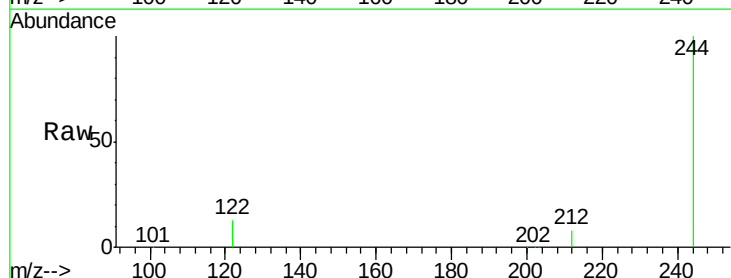
Tgt Ion:244 Resp: 193667

Ion Ratio Lower Upper

244 100

212 8.0 6.9 10.3

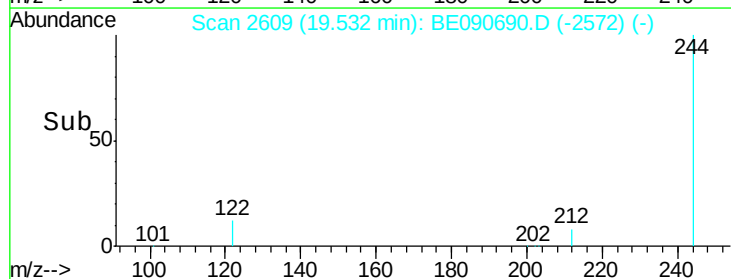
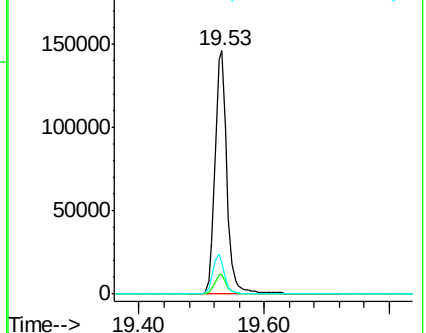
122 12.6 12.9 19.3#

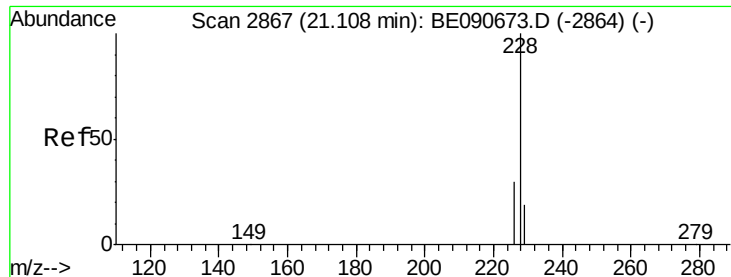


Abundance Ion 244.00 (243.70 to 244.70): E

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# 2866

Delta R.T. 0.00 min

Lab File: BE090690.D

Acq: 2 Sep 2015 5:37

Instrument :

BNA_E

ClientSampleId :

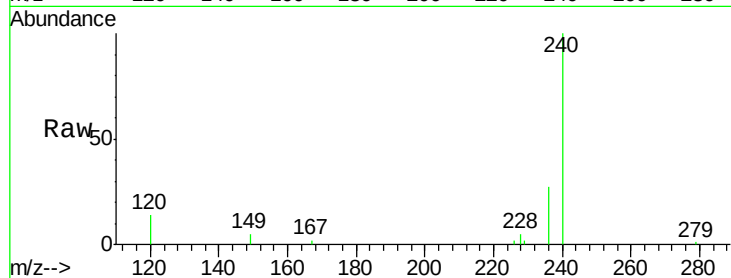
Tot Ion:228 Resp: 362

Ion Ratio Lower Upper

228 100

226 42.6 24.2 36.4#

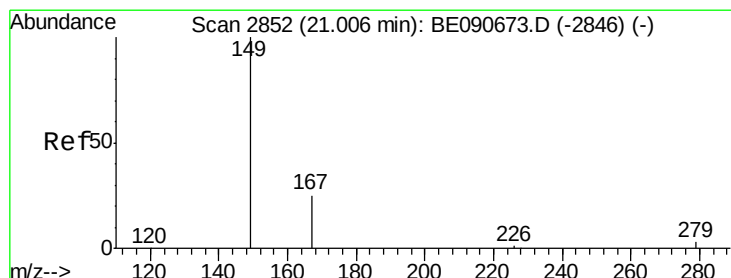
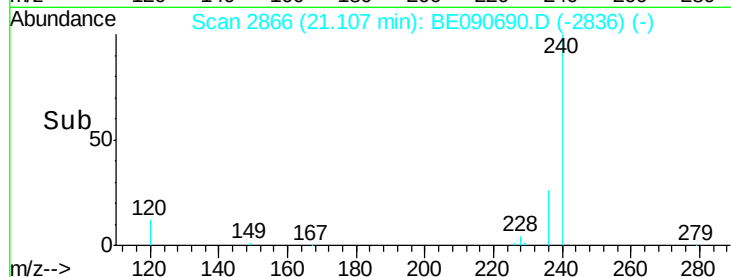
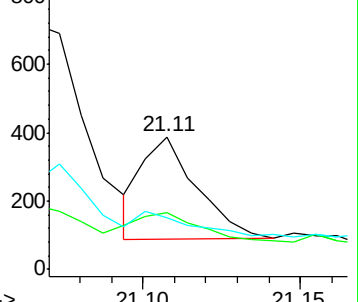
229 39.5 15.3 22.9#



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: 0.28 ng

RT: 21.00 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BE090690.D

Acq: 2 Sep 2015 5:37

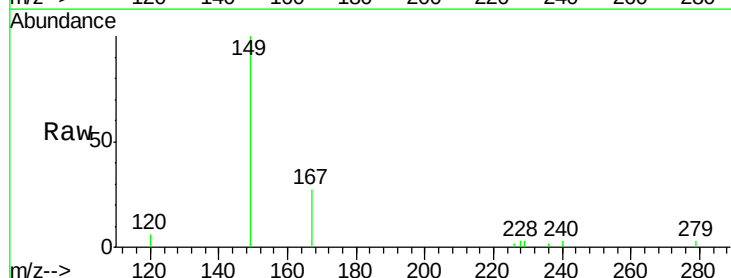
Tgt Ion:149 Resp: 3685

Ion Ratio Lower Upper

149 100

167 25.5 20.1 30.1

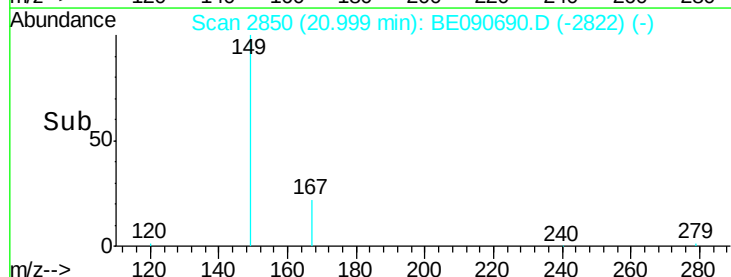
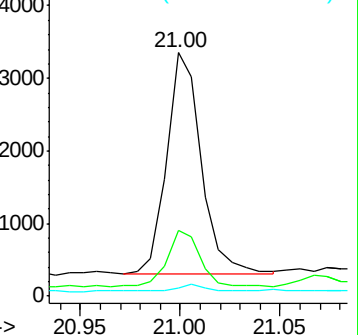
279 3.4 2.3 3.5

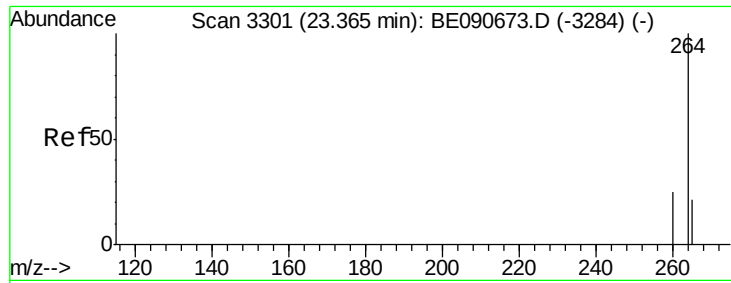


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

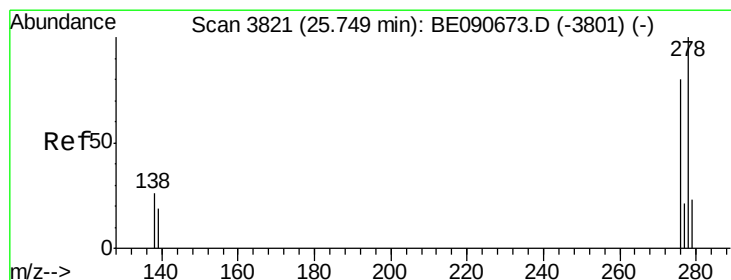
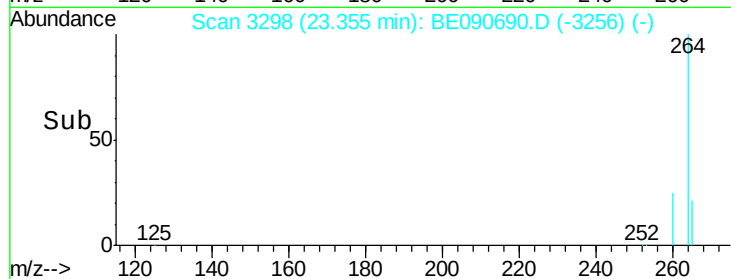
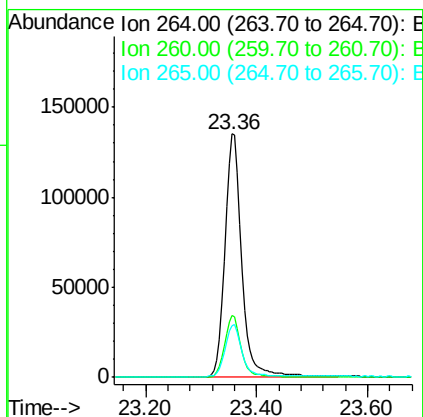
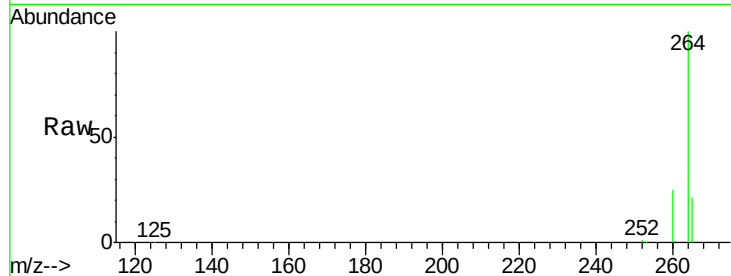




#32
Pervlene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 3298
Delta R.T. -0.01 min
Lab File: BE090690.D
Acq: 2 Sep 2015 5:37

Instrument :
BNA_E
ClientSampleId :

Tot Ion:264 Resp: 283219
Ion Ratio Lower Upper
264 100
260 25.3 19.7 29.5
265 21.3 17.5 26.3



#36
Dibenzo(a,h)anthracene
Concen: 0.14 ng
RT: 25.74 min Scan# 3818
Delta R.T. -0.01 min
Lab File: BE090690.D
Acq: 2 Sep 2015 5:37

Tgt Ion:278 Resp: 220
Ion Ratio Lower Upper
278 100
139 113.9 15.4 23.0#
279 95.7 18.8 28.2#

