

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091115\
 Data File : BE090792.D
 Acq On : 11 Sep 2015 19:44
 Operator : UM/IZ
 Sample : G3639-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SC-2

Quant Time: Sep 11 23:14:43 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 11:40:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	39088	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	178073	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	97125	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	245409	5.00	ng	0.00
25) Chrysene-d12	21.07	240	291008	5.00	ng	0.00
32) Perylene-d12	23.36	264	259093	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	25365	3.34	ng	0.00
5) Phenol-d6	6.75	99	20076	1.84	ng	0.00
7) Nitrobenzene-d5	8.71	82	43147	3.67	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	21615	7.59	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	101493	3.77	ng	0.00
27) Terphenyl-d14	19.53	244	180242	5.60	ng	-0.01

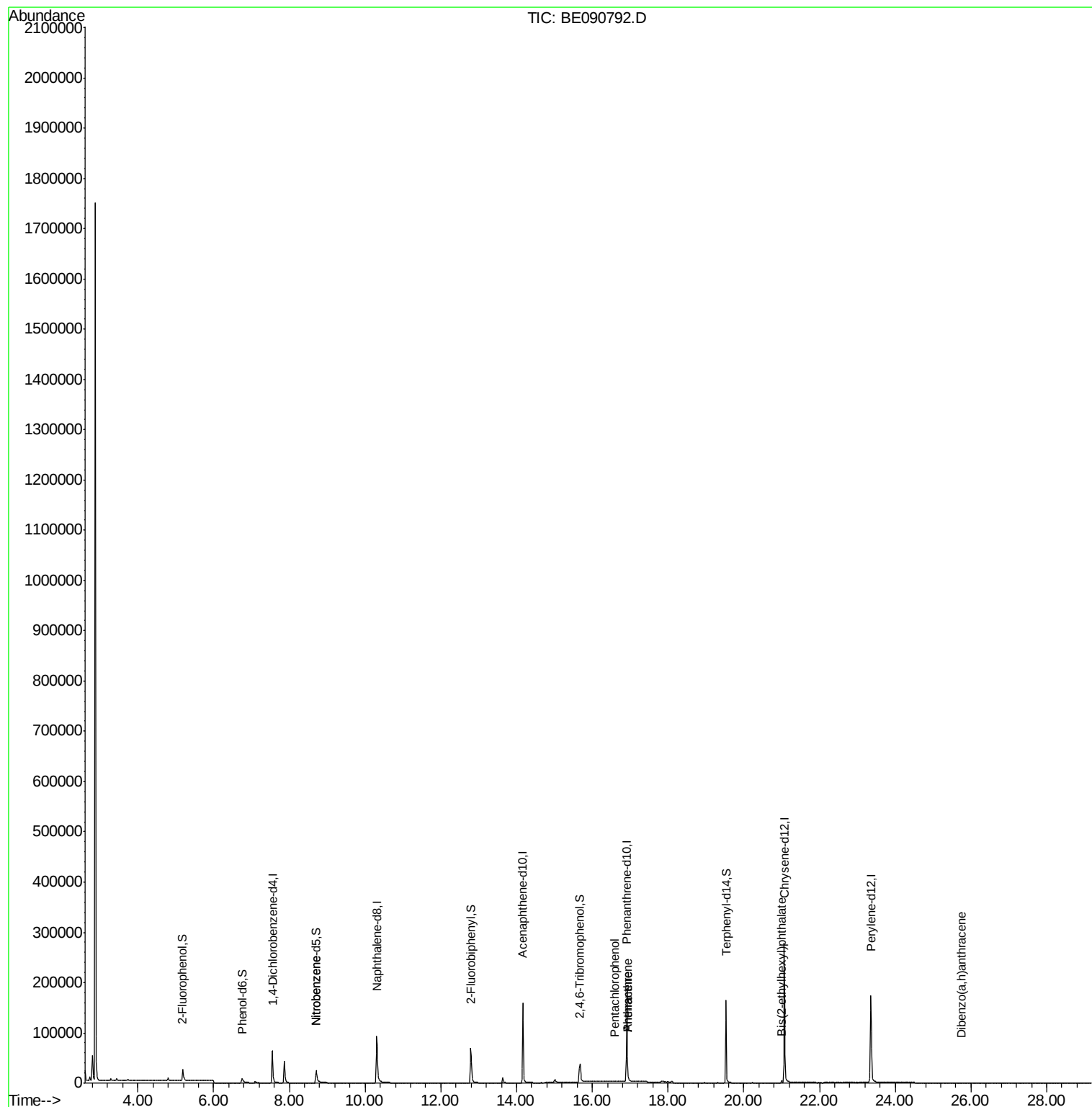
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.16	88	117	Below Cal	#	39
3) n-Nitrosodimethylamine	3.44	42	319	Below Cal	#	1
8) Nitrobenzene	8.72	77	114	0.12	ng	55
20) Hexachlorobenzene	16.23	284	44	Below Cal	#	26
21) Pentachlorophenol	16.60	266	20	0.47	ng	56
22) Phenanthrene	16.94	178	1335	0.02	ng	75
23) Anthracene	16.94	178	1277	0.03	ng	82
29) Chrysene	21.11	228	550	Below Cal	#	69
30) Bis(2-ethylhexyl)phthalate	21.00	149	3876	0.29	ng	99
36) Dibenzo(a,h)anthracene	25.74	278	13	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: BE090792.D

Acq: 11 Sep 2015 19:44

Instrument :

BNA_E

ClientSampleId :

SC-2

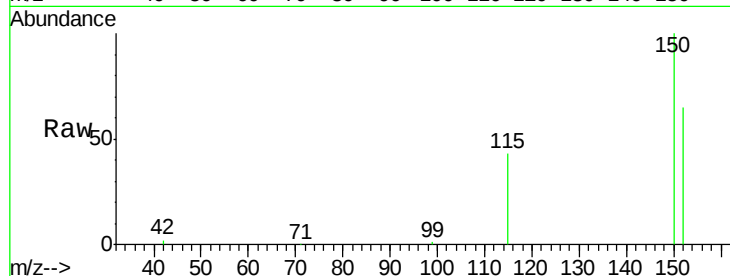
Tot Ion:152 Resp: 39088

Ion Ratio Lower Upper

152 100

150 154.7 122.2 183.4

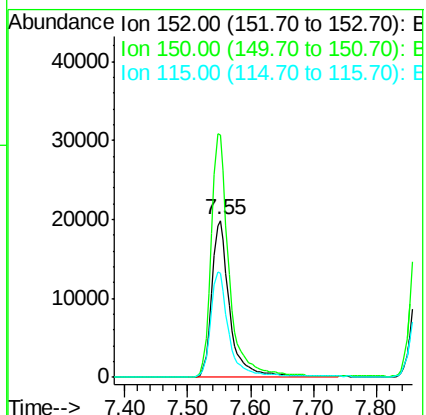
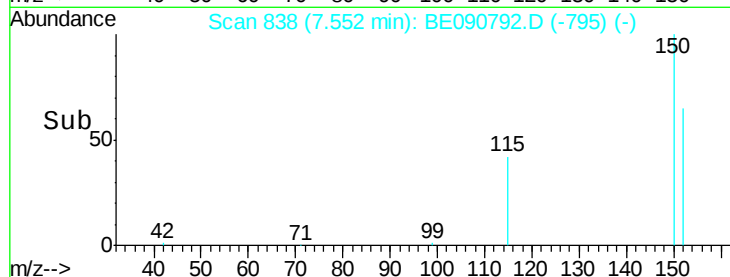
115 65.9 51.0 76.4



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: 3.16 min Scan# 83

Delta R.T. -0.00 min

Lab File: BE090792.D

Acq: 11 Sep 2015 19:44

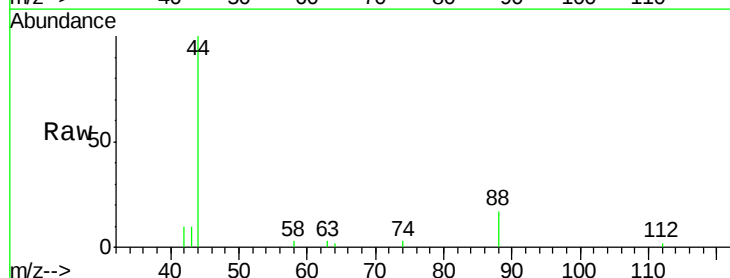
Tgt Ion: 88 Resp: 117

Ion Ratio Lower Upper

88 100

58 79.5 68.4 102.6

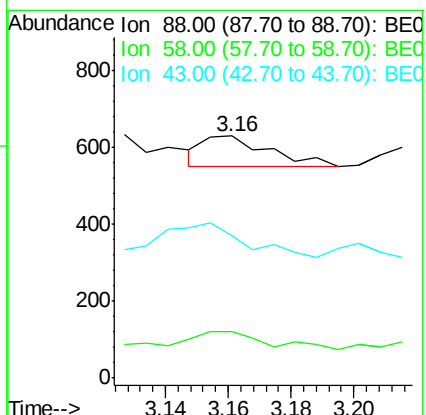
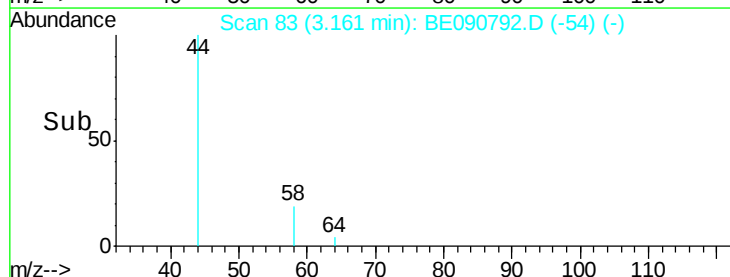
43 147.9 26.9 40.3#



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



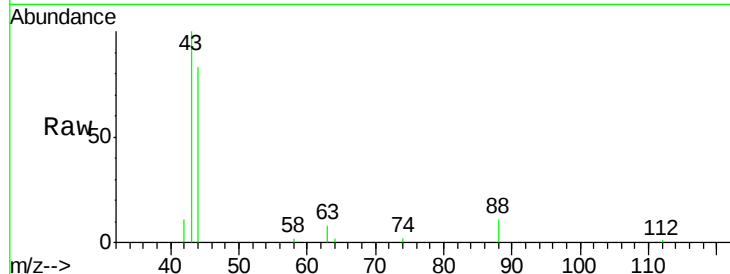


#3

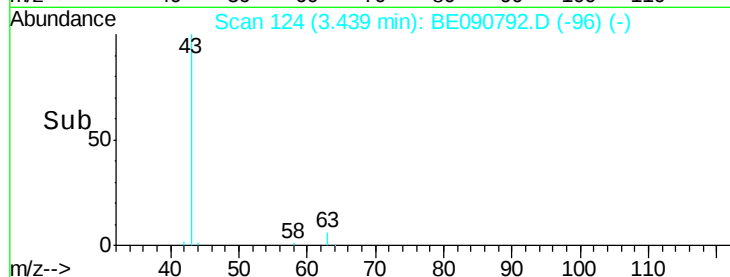
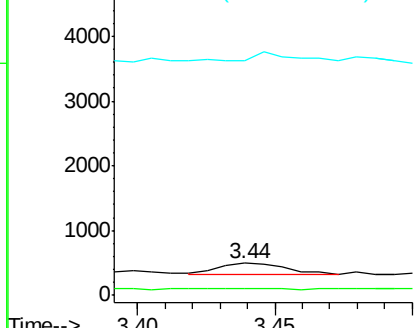
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.44 min Scan# 124
 Delta R.T. -0.01 min
 Lab File: BE090792.D
 Acq: 11 Sep 2015 19:44

Instrument :
 BNA_E
 ClientSampleId :
 SC-2

Tot Ion: 42 Resp: 319
 Ion Ratio Lower Upper
 42 100
 74 0.0 83.7 125.5#
 44 41.4 10.0 15.0#



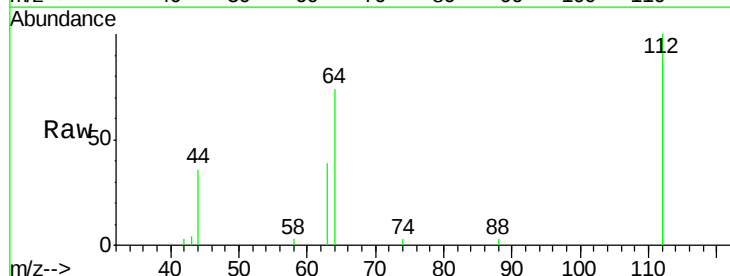
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



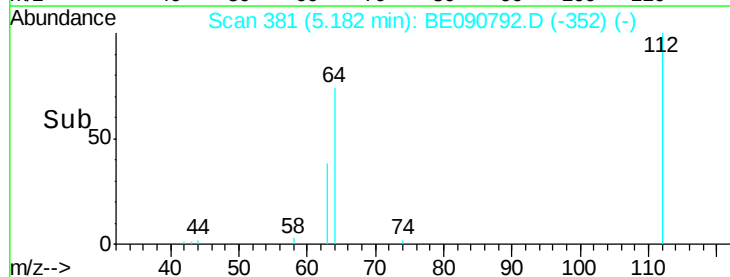
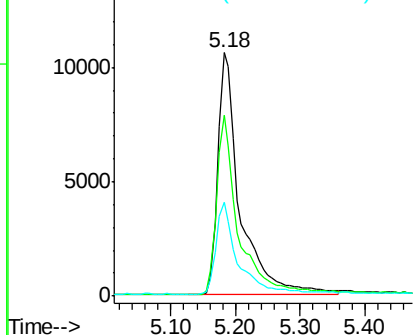
#4

2-Fluorophenol
 Concen: 3.34 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: BE090792.D
 Acq: 11 Sep 2015 19:44

Tgt Ion: 112 Resp: 25365
 Ion Ratio Lower Upper
 112 100
 64 72.2 57.3 85.9
 63 37.2 29.2 43.8



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: 1.84 ng

RT: 6.75 min Scan# 662

Delta R.T. 0.00 min

Lab File: BE090792.D

Acq: 11 Sep 2015 19:44

Instrument :

BNA_E

ClientSampleId :

SC-2

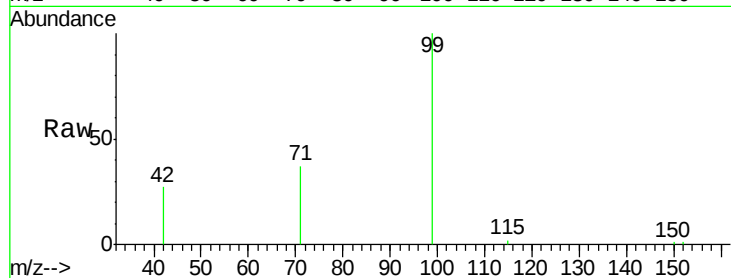
Tot Ion: 99 Resp: 20076

Ion Ratio Lower Upper

99 100

42 22.1 16.8 25.2

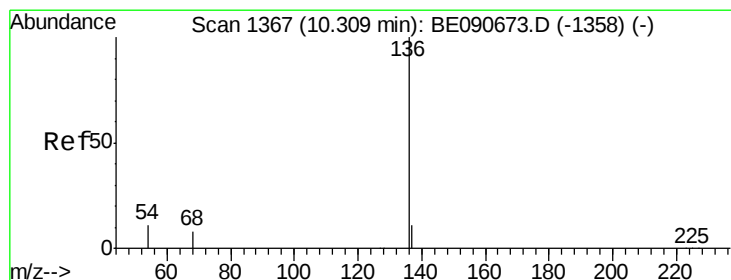
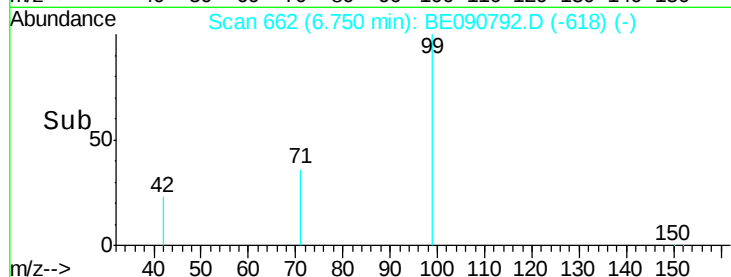
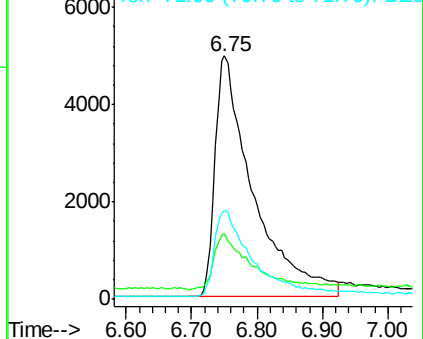
71 34.9 28.3 42.5



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: BE090792.D

Acq: 11 Sep 2015 19:44

Tgt Ion: 136 Resp: 178073

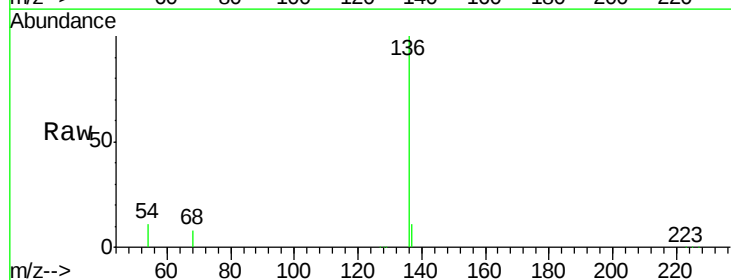
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 11.0 9.0 13.6

68 7.9 6.3 9.5

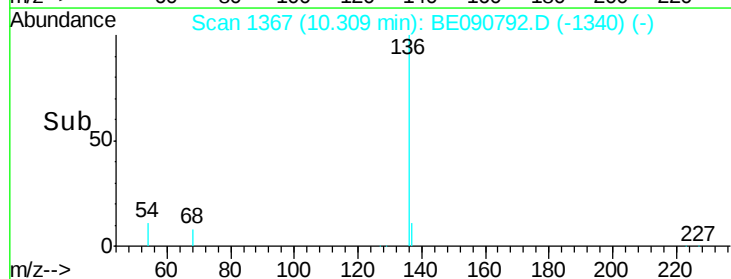
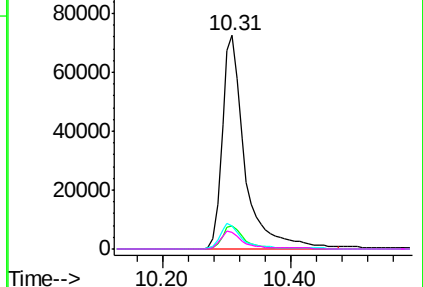


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.67 ng

RT: 8.71 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BE090792.D

Acq: 11 Sep 2015 19:44

Instrument :

BNA_E

ClientSampleId :

SC-2

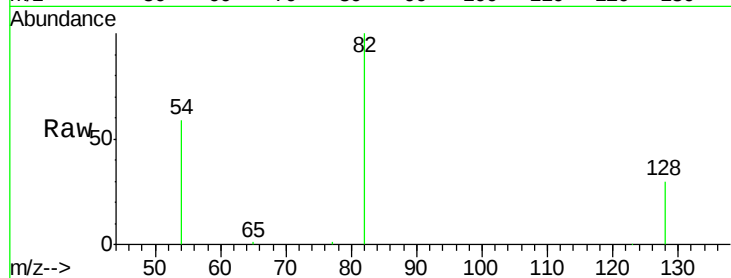
Tot Ion: 82 Resp: 43147

Ion Ratio Lower Upper

82 100

128 29.7 25.0 37.4

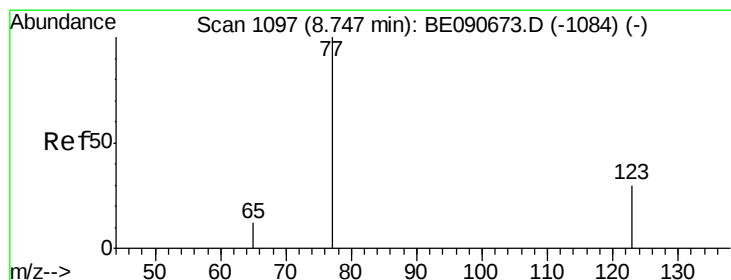
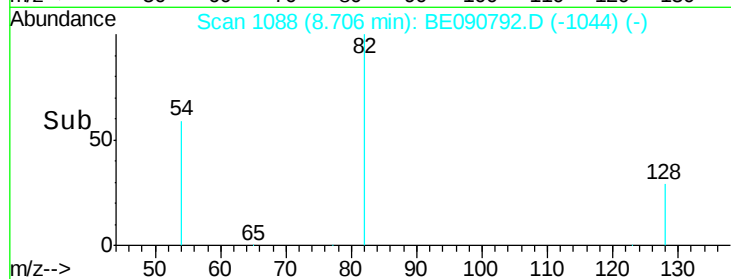
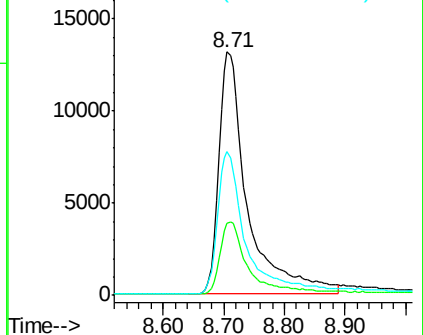
54 58.8 46.3 69.5



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

Nitrobenzene

Concen: 0.12 ng

RT: 8.72 min Scan# 1090

Delta R.T. -0.03 min

Lab File: BE090792.D

Acq: 11 Sep 2015 19:44

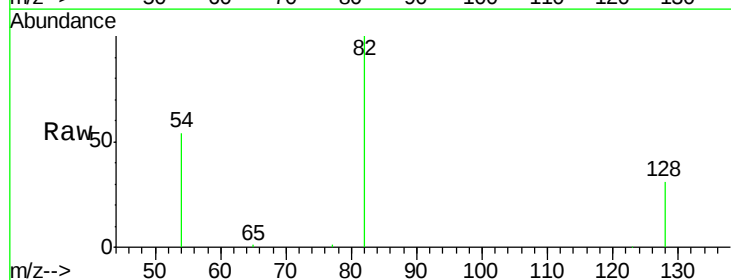
Tgt Ion: 77 Resp: 114

Ion Ratio Lower Upper

77 100

123 3.5 25.1 37.7#

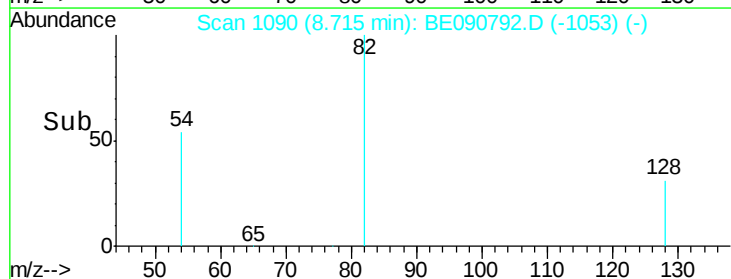
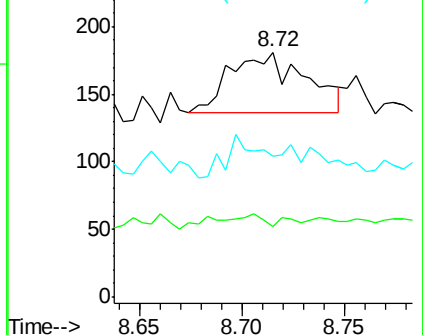
65 0.0 9.9 14.9#



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





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090792.D

Acq: 11 Sep 2015 19:44

Instrument :

BNA_E

ClientSampleId :

SC-2

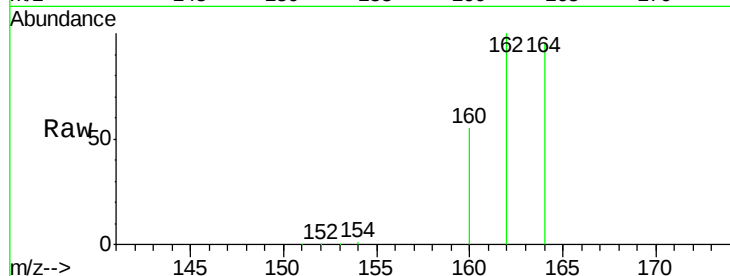
Tot Ion:164 Resp: 97125

Ion Ratio Lower Upper

164 100

162 105.3 86.8 130.2

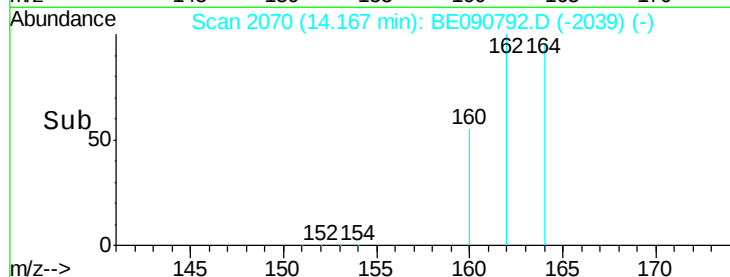
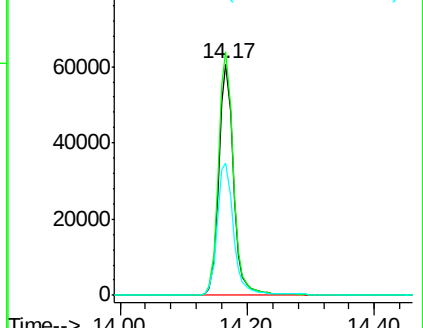
160 57.5 53.9 80.9



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: 7.59 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090792.D

Acq: 11 Sep 2015 19:44

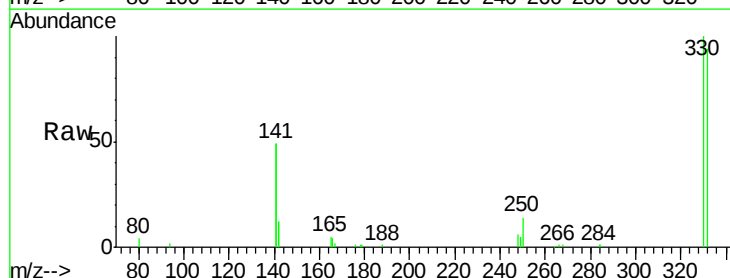
Tgt Ion:330 Resp: 21615

Ion Ratio Lower Upper

330 100

332 95.0 74.9 112.3

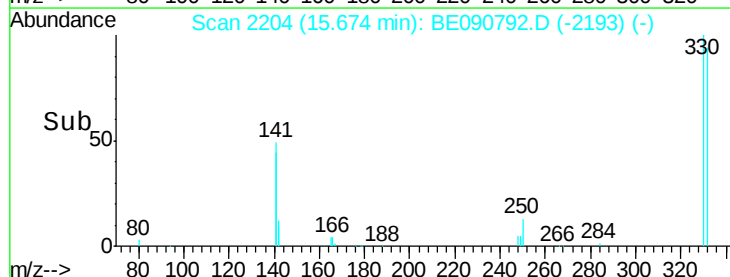
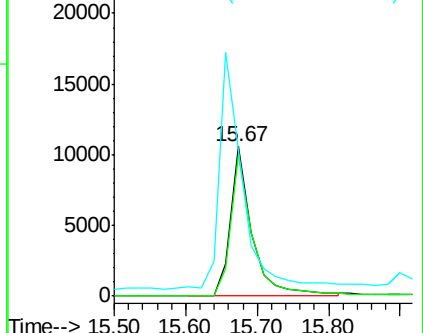
141 178.0 145.2 217.8



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

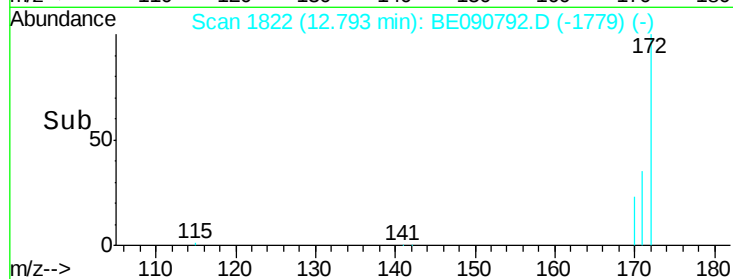
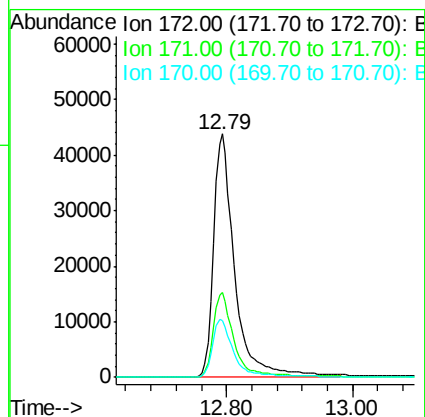
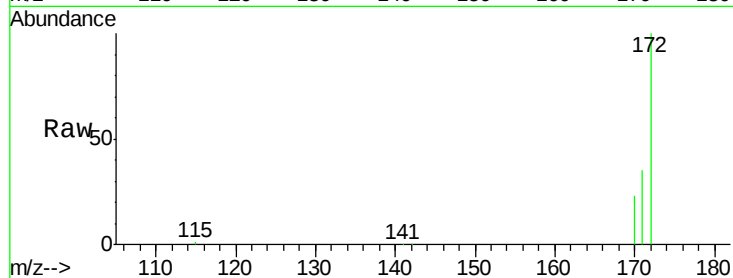




#14
2-Fluorobiphenyl
Concen: 3.77 ng
RT: 12.79 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BE090792.D
Acq: 11 Sep 2015 19:44

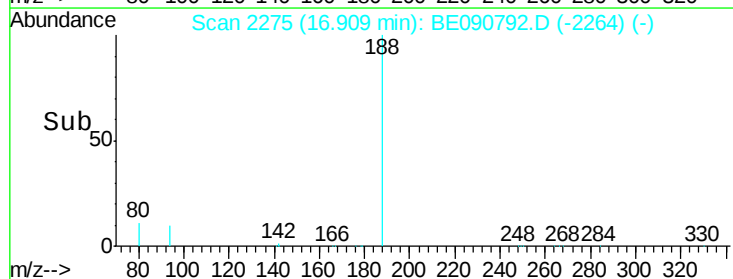
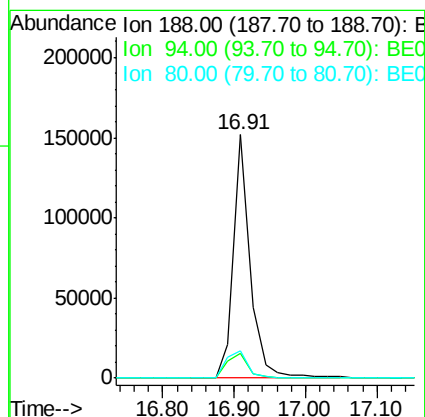
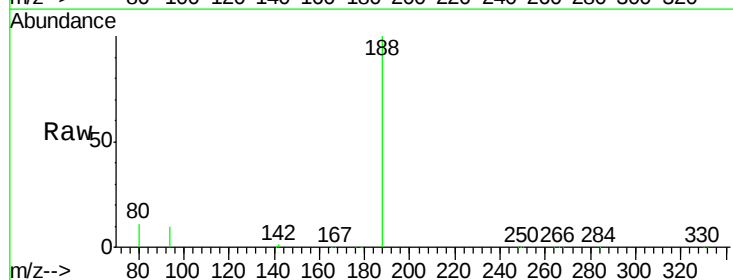
Instrument :
BNA_E
ClientSampleId :
SC-2

Tot Ion:172 Resp: 101493
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.8
170 23.5 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: BE090792.D
Acq: 11 Sep 2015 19:44

Tgt Ion:188 Resp: 245409
Ion Ratio Lower Upper
188 100
94 10.2 10.3 15.5#
80 11.2 11.0 16.6





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BE090792.D

Acq: 11 Sep 2015 19:44

Instrument :

BNA_E

ClientSampled :

SC-2

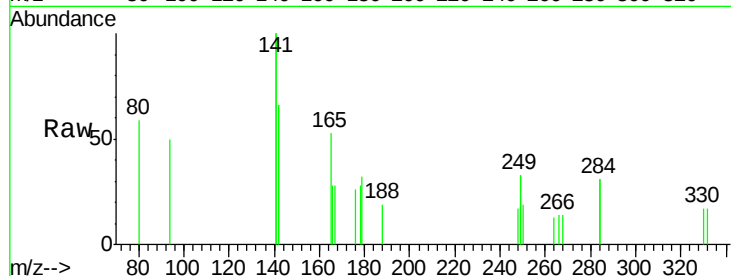
Tot Ion:284 Resp: 44

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

249 77.3 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

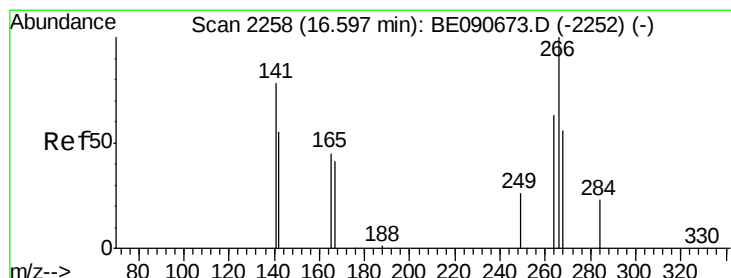
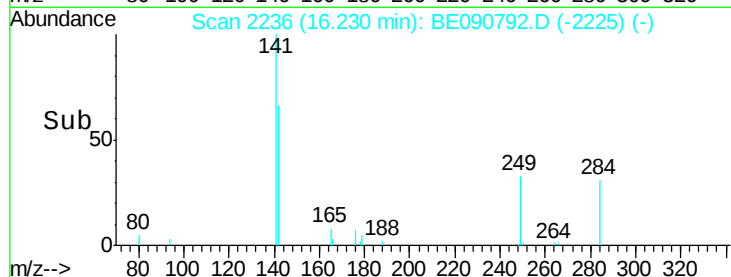
600

400

200

0

Time-->



#21

Pentachlorophenol

Concen: 0.47 ng

RT: 16.60 min Scan# 2257

Delta R.T. -0.00 min

Lab File: BE090792.D

Acq: 11 Sep 2015 19:44

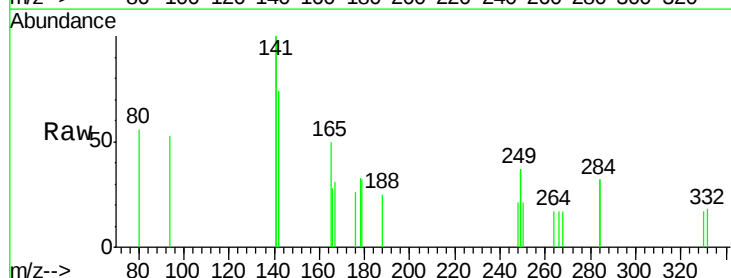
Tgt Ion:266 Resp: 20

Ion Ratio Lower Upper

266 100

268 100.0 49.6 74.4#

264 98.2 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

80

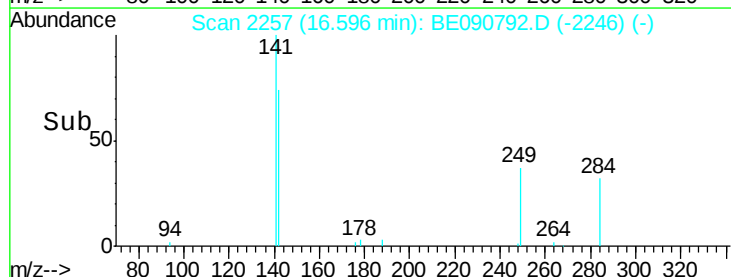
60

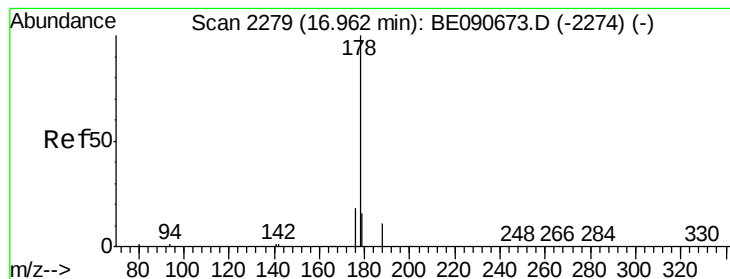
40

20

0

Time-->





#22

Phenanthrene

Concen: 0.02 ng

RT: 16.94 min Scan# 2277

Delta R.T. -0.02 min

Lab File: BE090792.D

Acq: 11 Sep 2015 19:44

Instrument :

BNA_E

ClientSampleId :

SC-2

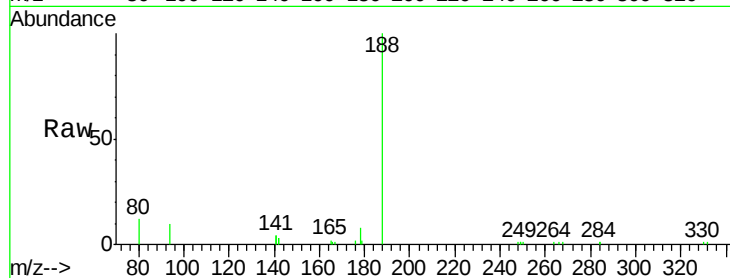
Tot Ion:178 Resp: 1335

Ion Ratio Lower Upper

178 100

176 26.4 15.6 23.4#

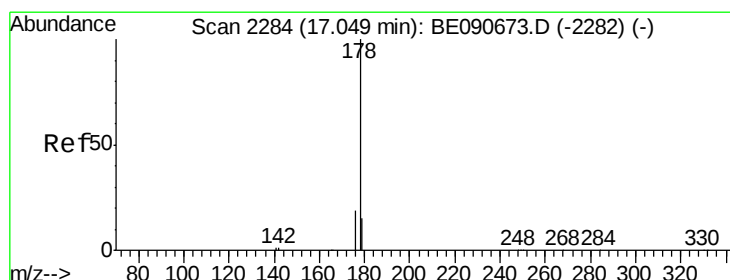
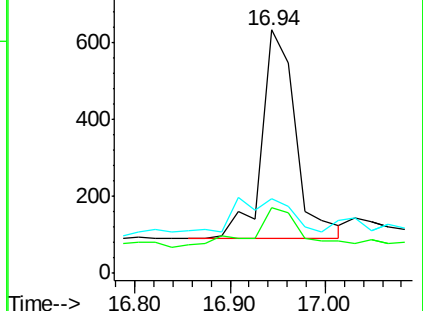
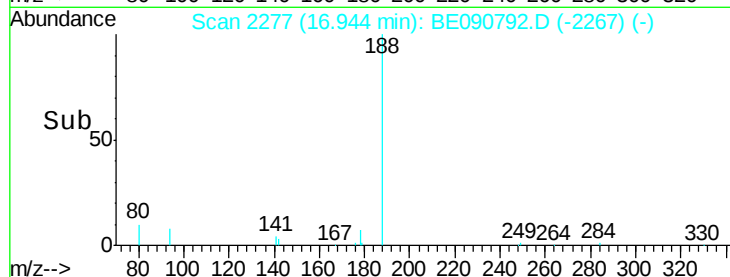
179 0.0 12.8 19.2#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#23

Anthracene

Concen: 0.03 ng

RT: 16.94 min Scan# 2277

Delta R.T. -0.11 min

Lab File: BE090792.D

Acq: 11 Sep 2015 19:44

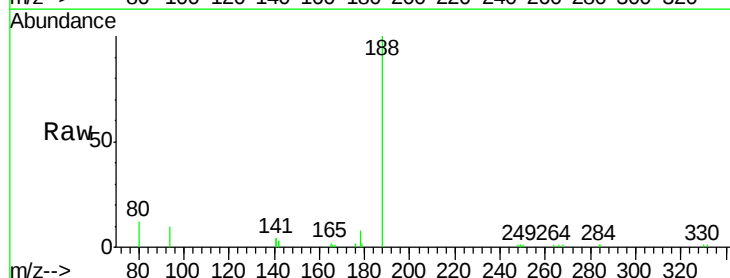
Tgt Ion:178 Resp: 1277

Ion Ratio Lower Upper

178 100

176 17.8 15.0 22.6

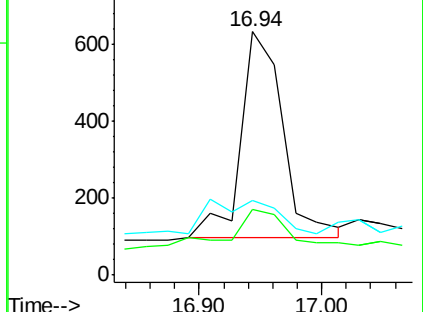
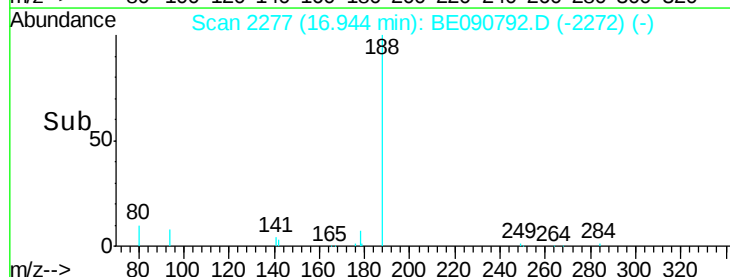
179 0.0 12.3 18.5#

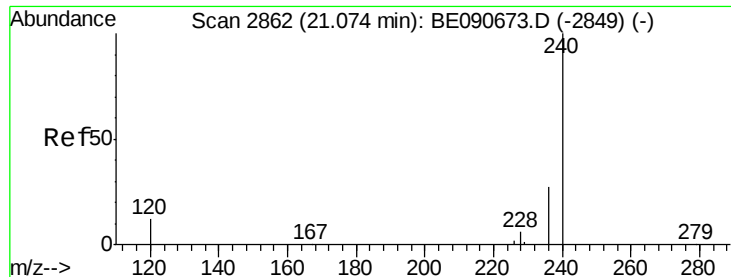


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BE090792.D

Acq: 11 Sep 2015 19:44

Instrument :

BNA_E

ClientSampled :

SC-2

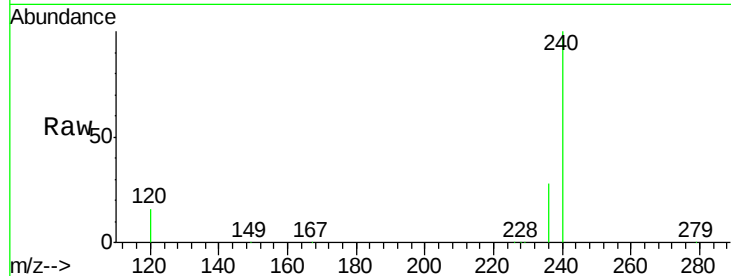
Tot Ion:240 Resp: 291008

Ion Ratio Lower Upper

240 100

120 16.0 10.1 15.1#

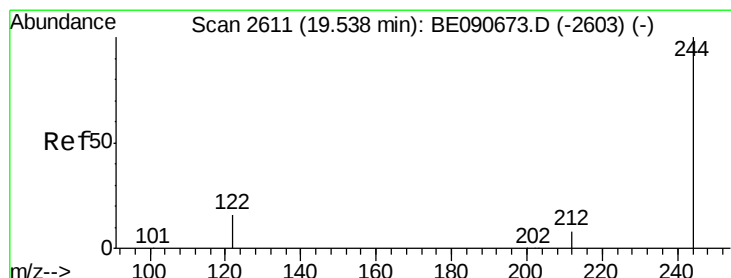
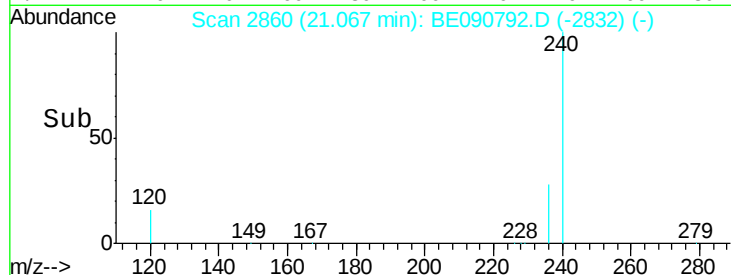
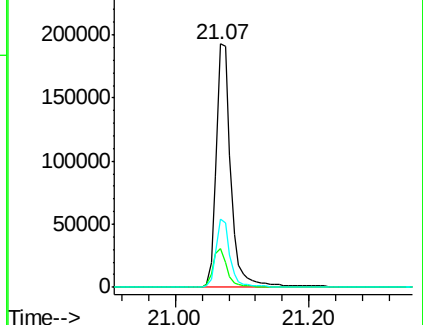
236 28.0 21.9 32.9



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: 5.60 ng

RT: 19.53 min Scan# 2608

Delta R.T. -0.01 min

Lab File: BE090792.D

Acq: 11 Sep 2015 19:44

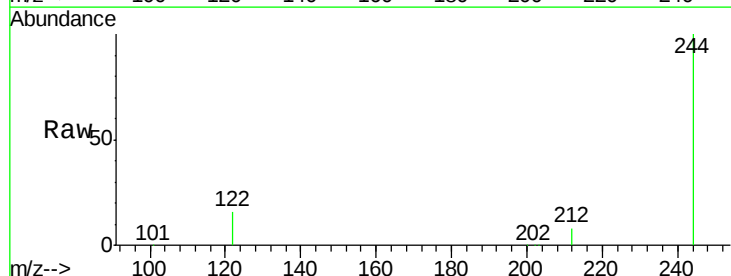
Tgt Ion:244 Resp: 180242

Ion Ratio Lower Upper

244 100

212 8.4 6.9 10.3

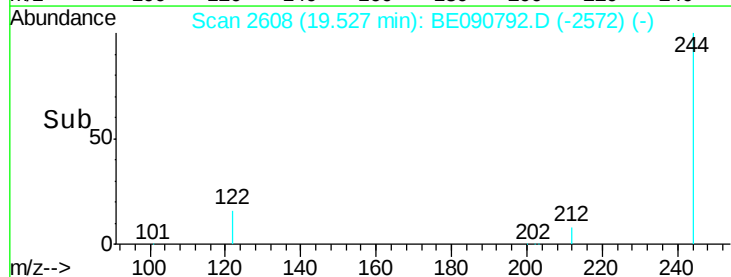
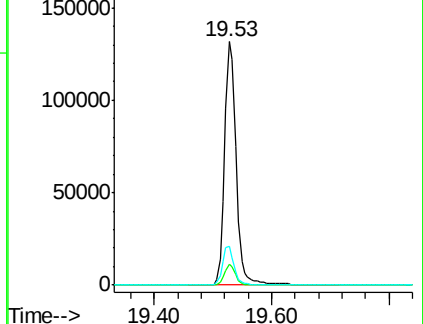
122 16.2 12.9 19.3

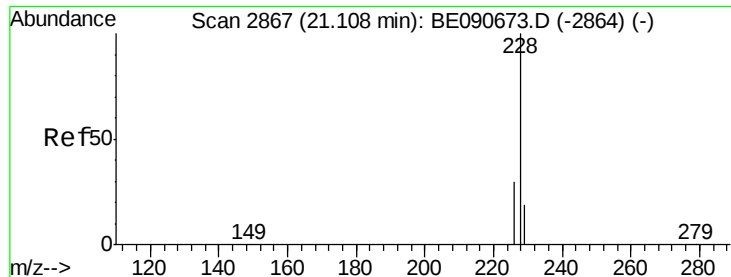


Abundance Ion 244.00 (243.70 to 244.70): E

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: BE090792.D

Acq: 11 Sep 2015 19:44

Instrument :

BNA_E

ClientSampleId :

SC-2

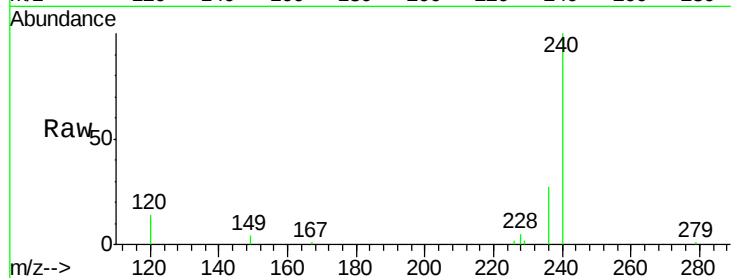
Tot Ion:228 Resp: 550

Ion Ratio Lower Upper

228 100

226 42.4 24.2 36.4#

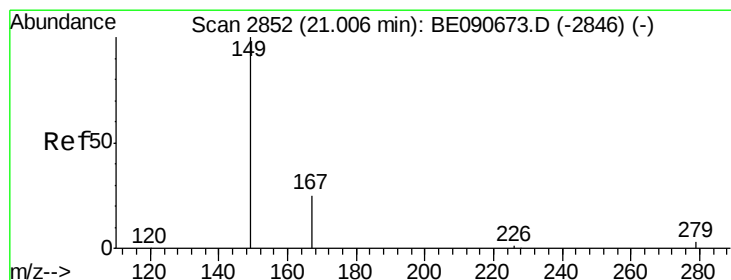
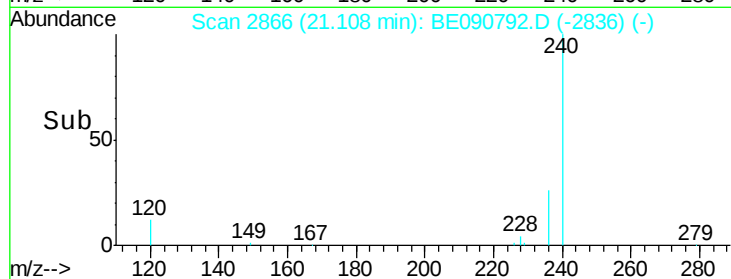
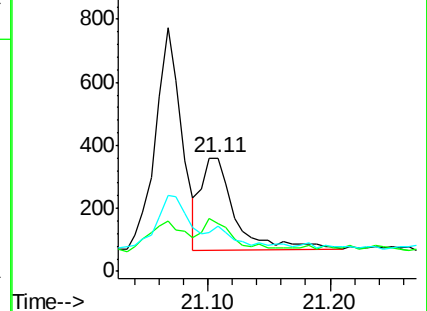
229 39.9 15.3 22.9#



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: 0.29 ng

RT: 21.00 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BE090792.D

Acq: 11 Sep 2015 19:44

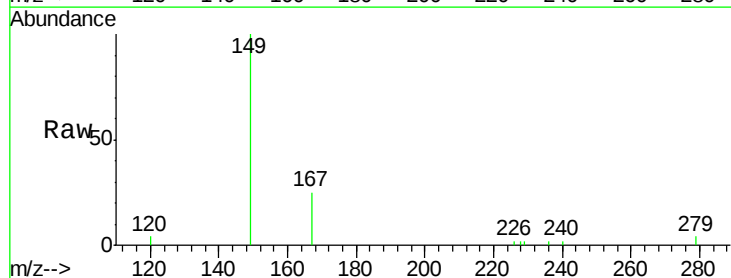
Tgt Ion:149 Resp: 3876

Ion Ratio Lower Upper

149 100

167 24.5 20.1 30.1

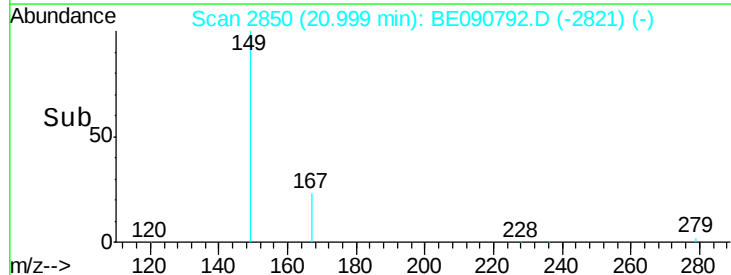
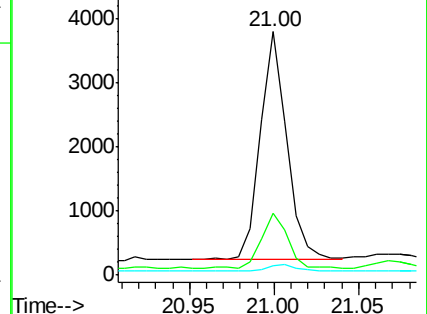
279 3.0 2.3 3.5

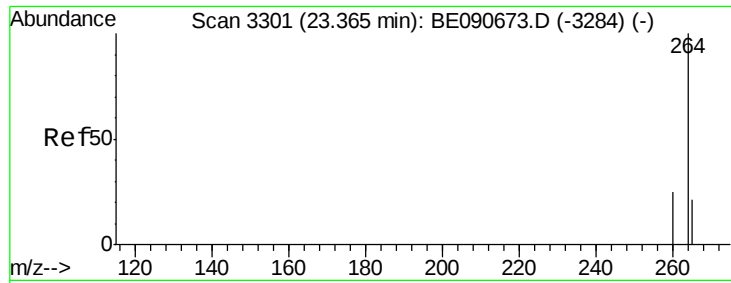


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

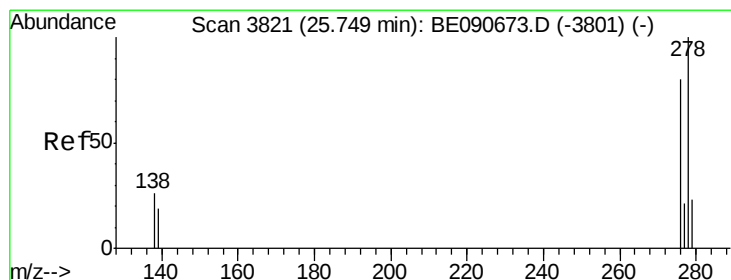
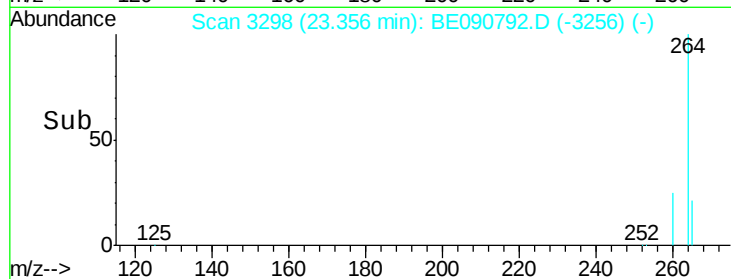
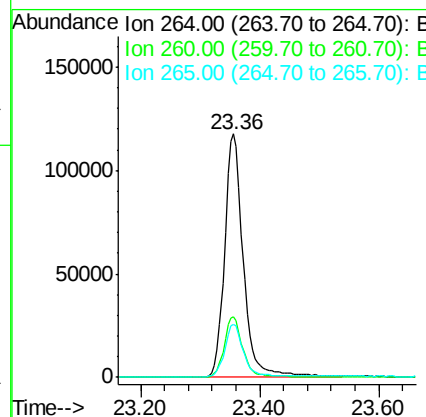
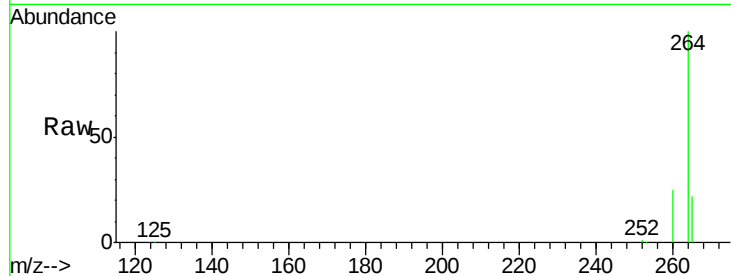




#32
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 3298
 Delta R.T. -0.01 min
 Lab File: BE090792.D
 Acq: 11 Sep 2015 19:44

Instrument :
 BNA_E
 ClientSampleId :
 SC-2

Tot Ion:264 Resp: 259093
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.7 29.5
 265 21.6 17.5 26.3



#36
 Dibenzo(a,h)anthracene
 Concen: 0.14 ng
 RT: 25.74 min Scan# 3817
 Delta R.T. -0.01 min
 Lab File: BE090792.D
 Acq: 11 Sep 2015 19:44

Tgt Ion:278 Resp: 13
 Ion Ratio Lower Upper
 278 100
 139 140.0 15.4 23.0#
 279 106.7 18.8 28.2#

