

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091115\
 Data File : BE090791.D
 Acq On : 11 Sep 2015 19:08
 Operator : UM/IZ
 Sample : G3639-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SC-1

Quant Time: Sep 11 23:14:31 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	45450	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	208319	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	113981	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	297842	5.00	ng	0.00
25) Chrysene-d12	21.07	240	363623	5.00	ng	0.00
32) Perylene-d12	23.36	264	331865	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	20753	2.36	ng	0.00
5) Phenol-d6	6.75	99	16086	1.27	ng	0.00
7) Nitrobenzene-d5	8.71	82	36961	2.68	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	18128	5.47	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	86023	2.73	ng	0.00
27) Terphenyl-d14	19.53	244	158621	3.94	ng	-0.01

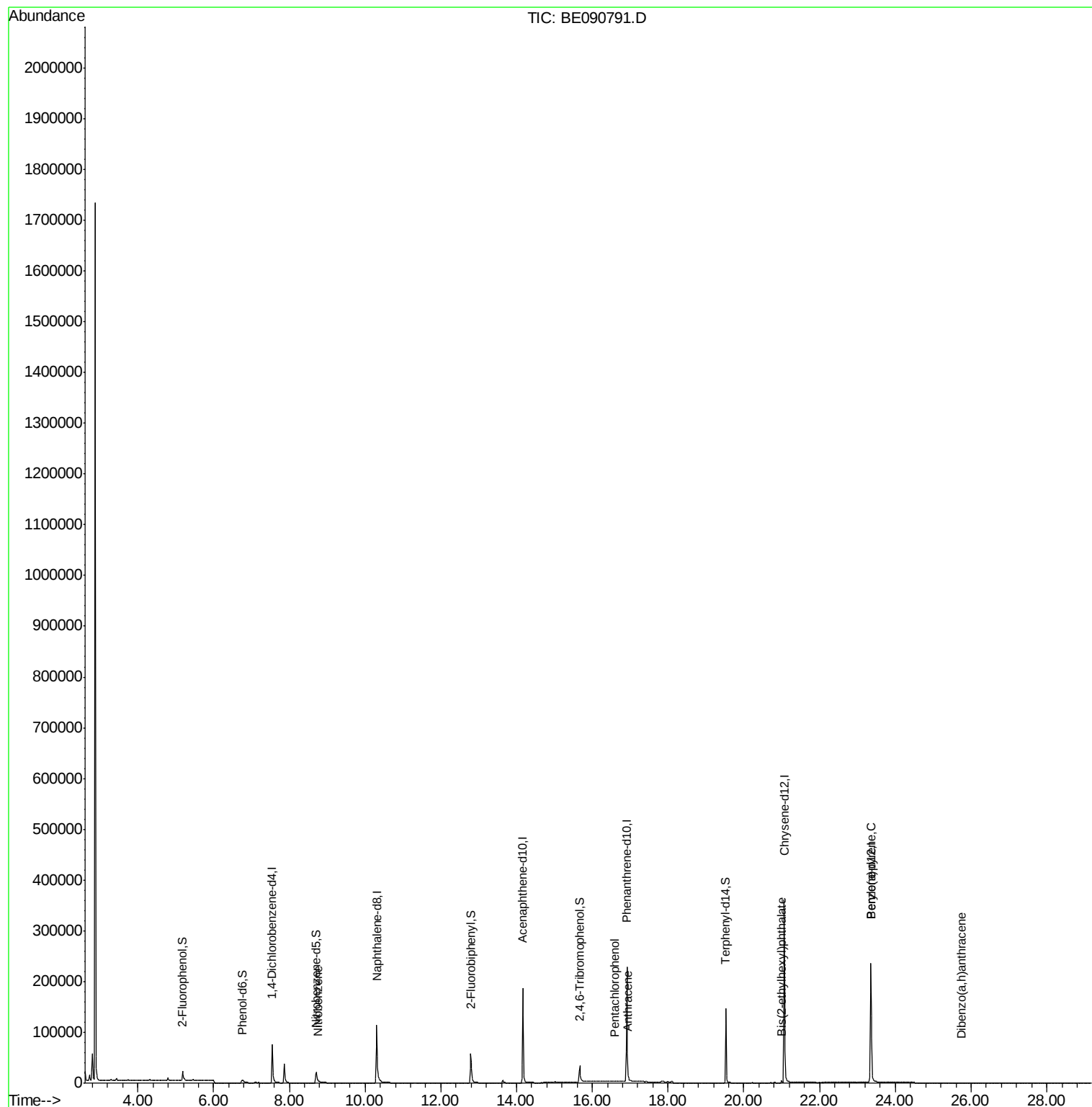
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.16	88	182	Below Cal	#	20
3) n-Nitrosodimethylamine	3.44	42	338	Below Cal	#	1
8) Nitrobenzene	8.77	77	5	0.11 ng	#	1
20) Hexachlorobenzene	16.23	284	58	Below Cal	#	1
21) Pentachlorophenol	16.60	266	31	0.47 ng	#	62
23) Anthracene	16.94	178	1293	0.02 ng	#	83
29) Chrysene	21.07	228	1429	Below Cal	#	76
30) Bis(2-ethylhexyl)phthalate	21.00	149	4013	0.25 ng	#	94
35) Benzo(a)pyrene	23.35	252	1332	0.02 ng	#	33
36) Dibenzo(a,h)anthracene	25.73	278	4	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# 837

Delta R.T. -0.01 min

Lab File: BE090791.D

Acq: 11 Sep 2015 19:08

Instrument :

BNA_E

ClientSampleId :

SC-1

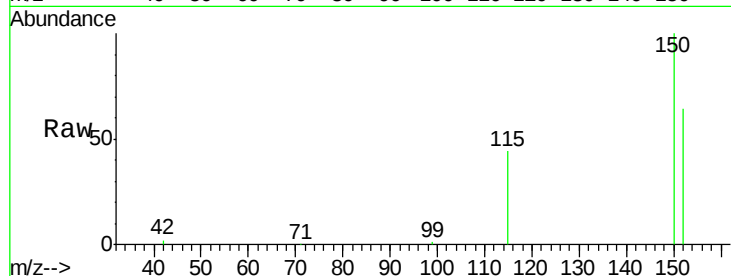
Tot Ion:152 Resp: 45450

Ion Ratio Lower Upper

152 100

150 157.3 122.2 183.4

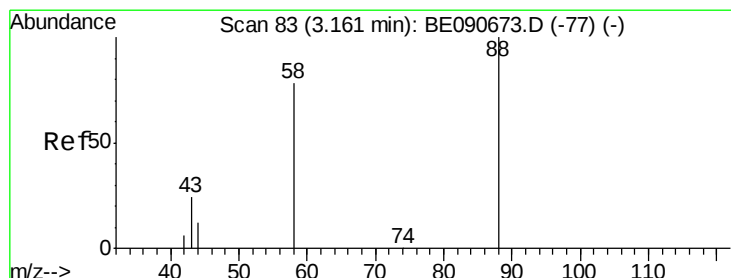
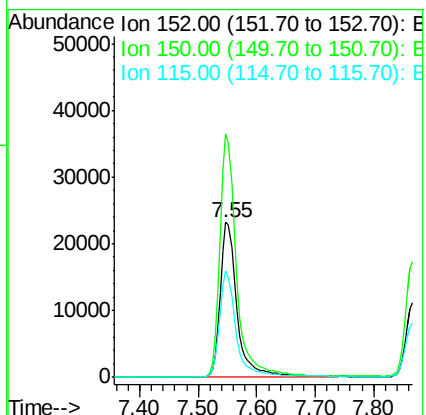
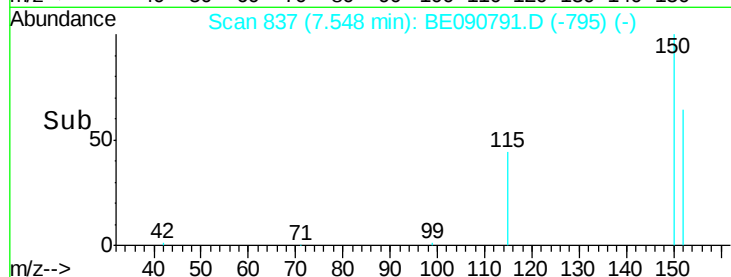
115 69.3 51.0 76.4



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# 82

Delta R.T. -0.00 min

Lab File: BE090791.D

Acq: 11 Sep 2015 19:08

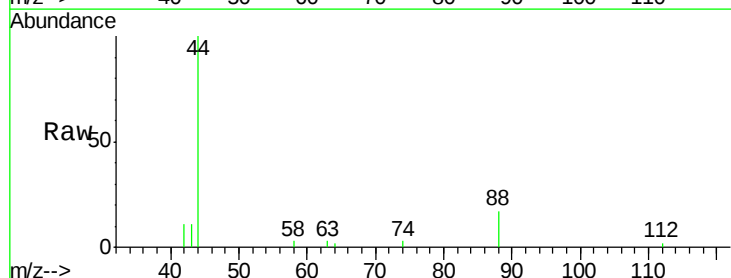
Tgt Ion: 88 Resp: 182

Ion Ratio Lower Upper

88 100

58 40.1 68.4 102.6#

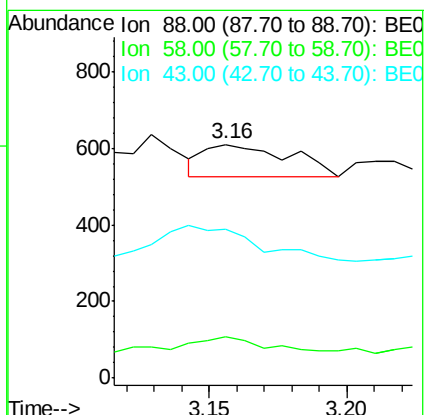
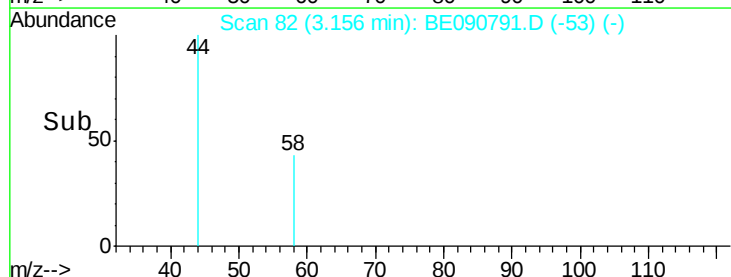
43 123.6 26.9 40.3#



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



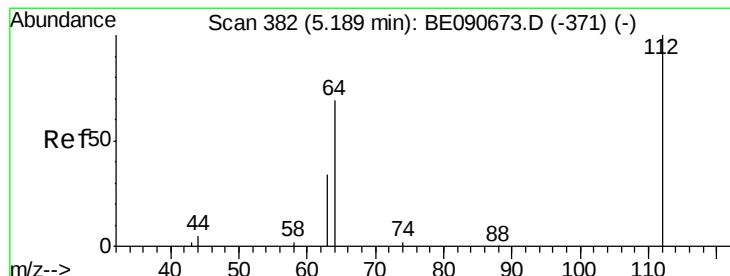
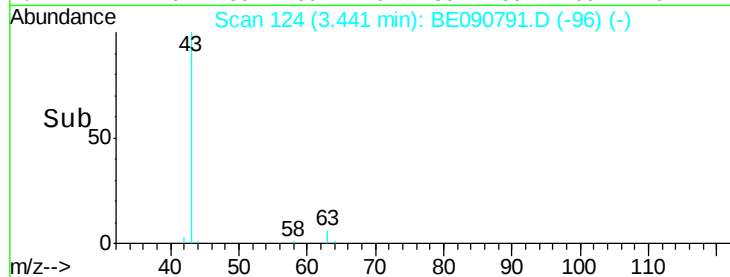
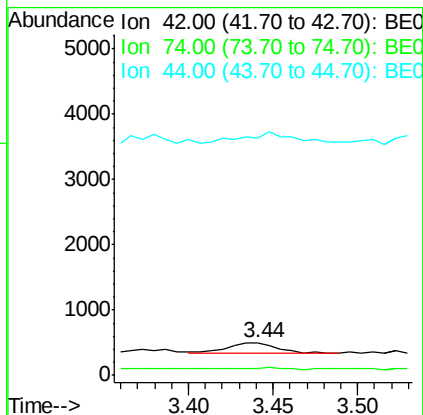
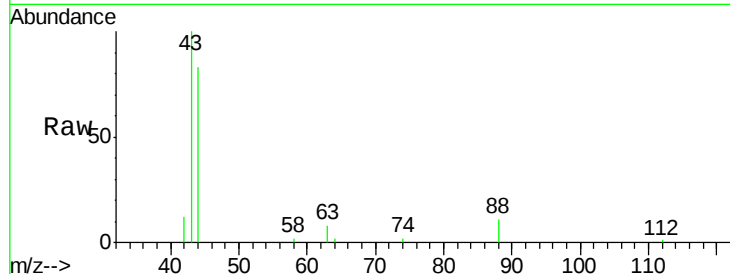


#3

n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.44 min Scan# 124
 Delta R.T. -0.01 min
 Lab File: BE090791.D
 Acq: 11 Sep 2015 19:08

Instrument :
 BNA_E
 ClientSampleId :
 SC-1

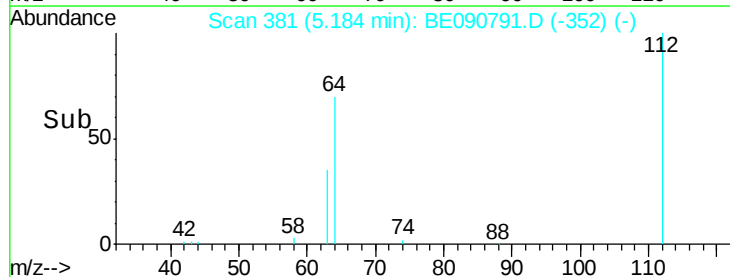
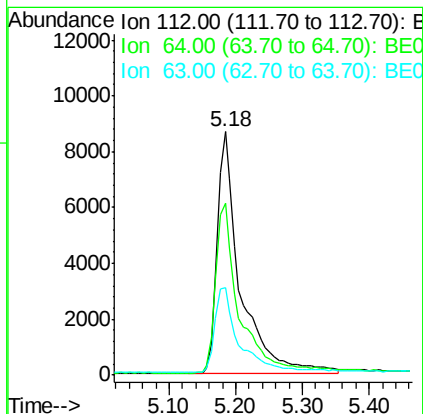
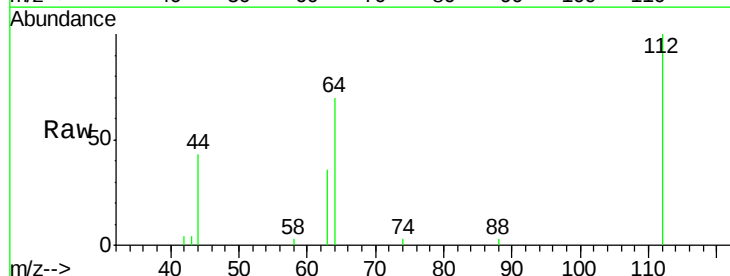
Tot Ion: 42 Resp: 338
 Ion Ratio Lower Upper
 42 100
 74 0.0 83.7 125.5#
 44 129.0 10.0 15.0#



#4

2-Fluorophenol
 Concen: 2.36 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: BE090791.D
 Acq: 11 Sep 2015 19:08

Tgt Ion: 112 Resp: 20753
 Ion Ratio Lower Upper
 112 100
 64 72.0 57.3 85.9
 63 36.3 29.2 43.8





#5

Phenol-d6

Concen: 1.27 ng

RT: 6.75 min Scan# 662

Delta R.T. 0.00 min

Lab File: BE090791.D

Acq: 11 Sep 2015 19:08

Instrument :

BNA_E

ClientSampleId :

SC-1

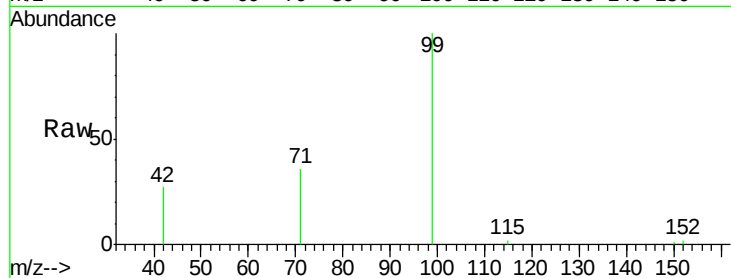
Tot Ion: 99 Resp: 16086

Ion Ratio Lower Upper

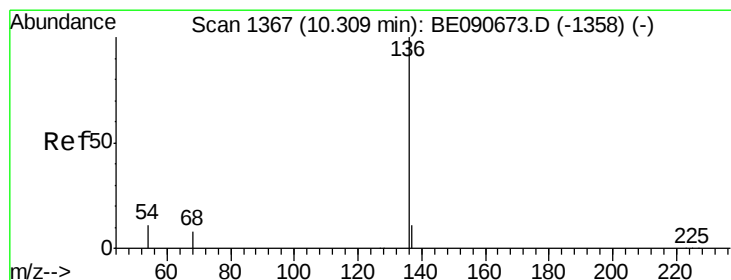
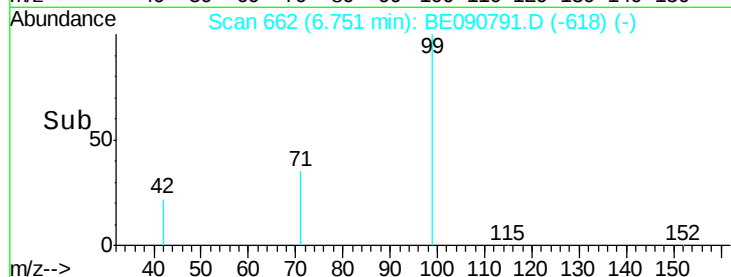
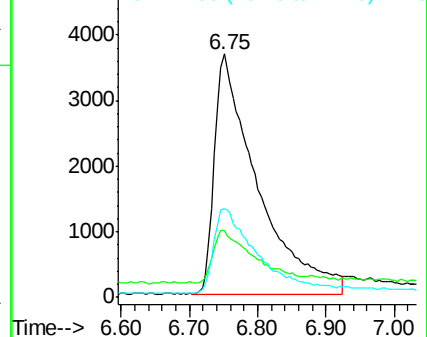
99 100

42 21.0 16.8 25.2

71 36.1 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: BE090791.D

Acq: 11 Sep 2015 19:08

Tgt Ion: 136 Resp: 208319

Ion Ratio Lower Upper

136 100

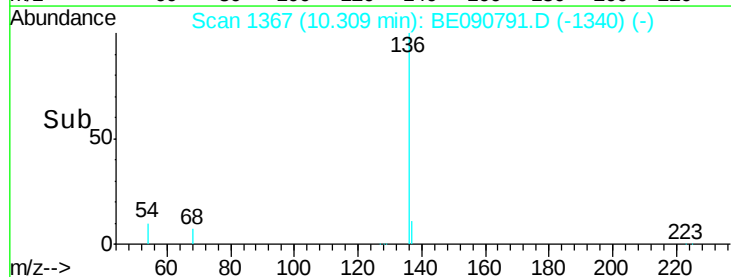
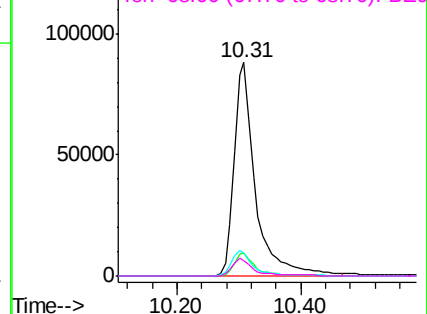
137 11.0 8.7 13.1

54 10.5 9.0 13.6

68 7.5 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: 2.68 ng

RT: 8.71 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE090791.D

Acq: 11 Sep 2015 19:08

Instrument :

BNA_E

ClientSampleId :

SC-1

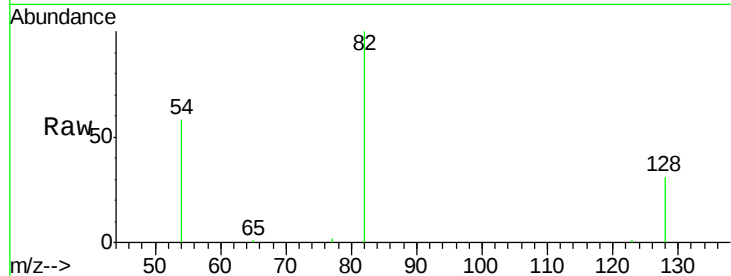
Tot Ion: 82 Resp: 36961

Ion Ratio Lower Upper

82 100

128 30.6 25.0 37.4

54 57.6 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

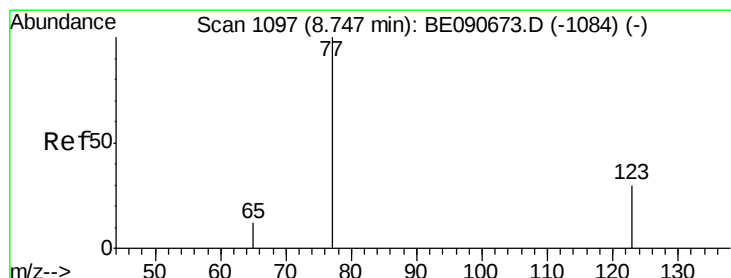
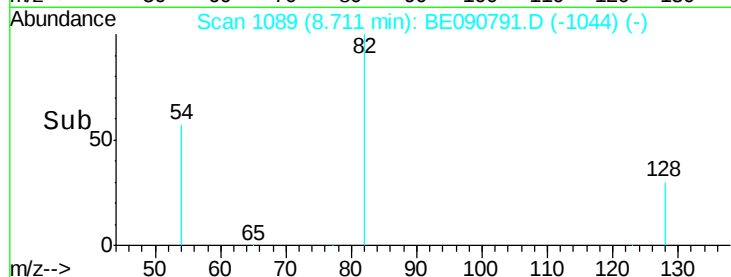
10000

5000

0

Time-->

8.60 8.70 8.80 8.90



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.77 min Scan# 1102

Delta R.T. 0.02 min

Lab File: BE090791.D

Acq: 11 Sep 2015 19:08

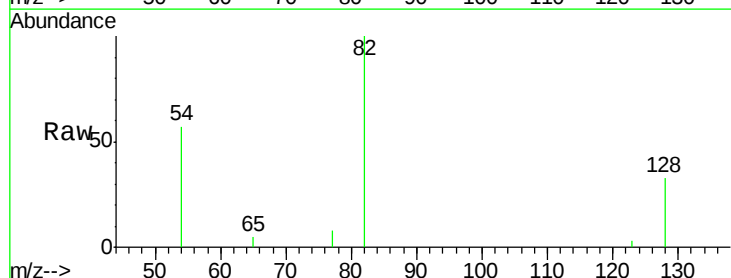
Tgt Ion: 77 Resp: 5

Ion Ratio Lower Upper

77 100

123 200.0 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

8.77

200

150

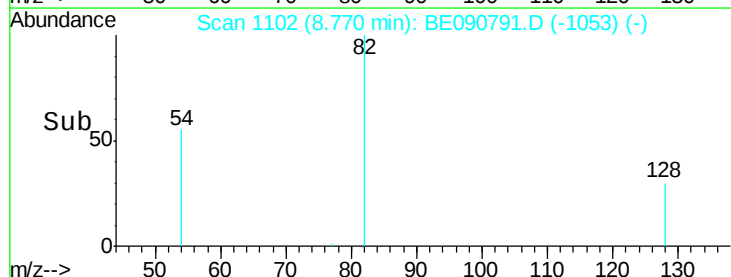
100

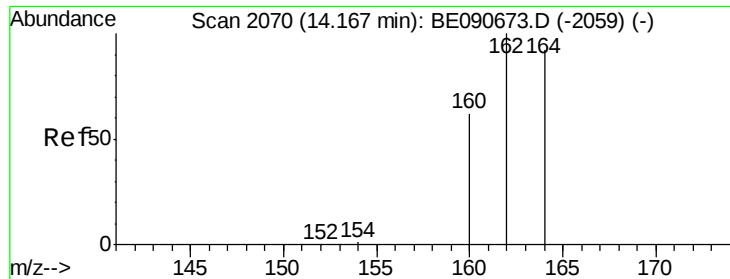
50

0

Time-->

8.77 8.77 8.78





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090791.D

Acq: 11 Sep 2015 19:08

Instrument :

BNA_E

ClientSampleId :

SC-1

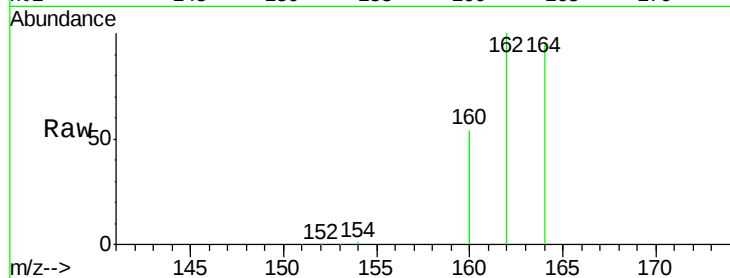
Tot Ion:164 Resp: 113981

Ion Ratio Lower Upper

164 100

162 105.0 86.8 130.2

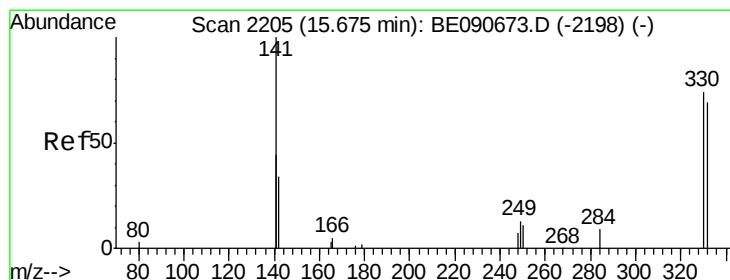
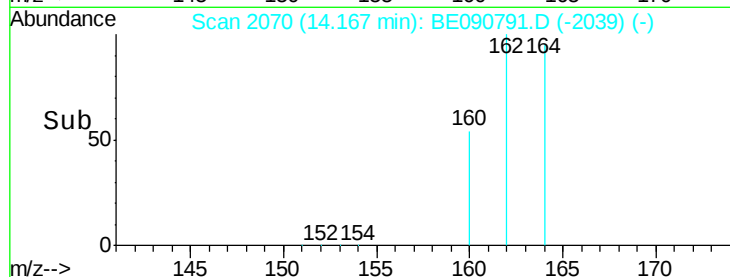
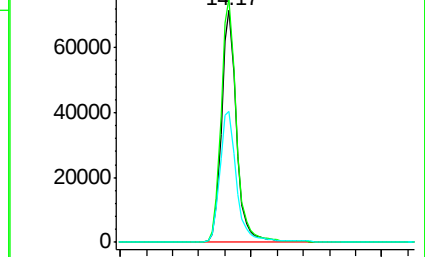
160 56.3 53.9 80.9



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: 5.47 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090791.D

Acq: 11 Sep 2015 19:08

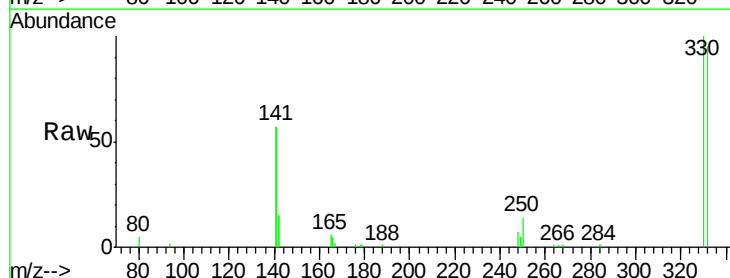
Tgt Ion:330 Resp: 18128

Ion Ratio Lower Upper

330 100

332 96.7 74.9 112.3

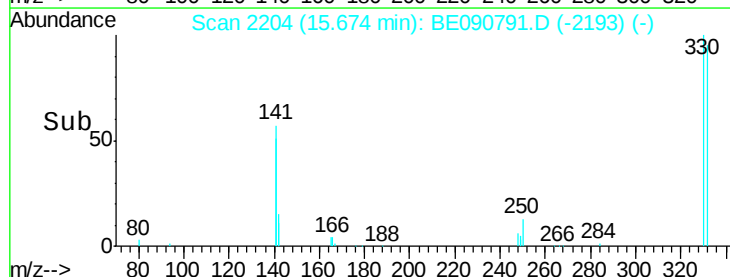
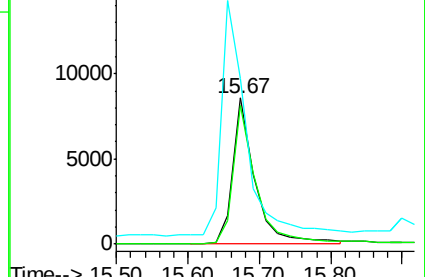
141 184.4 145.2 217.8



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

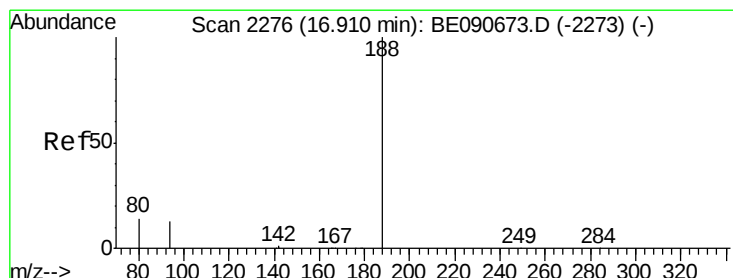
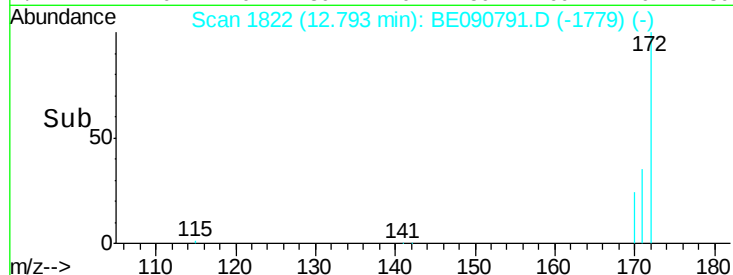
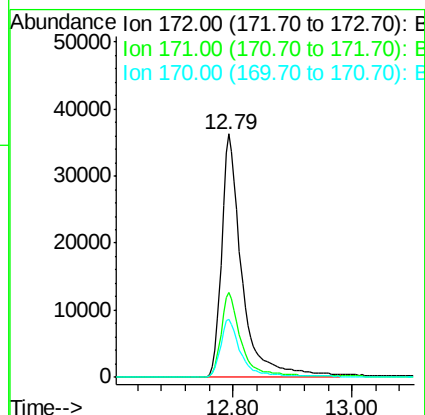
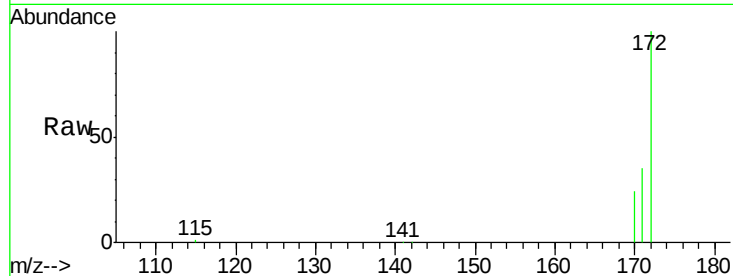




#14
2-Fluorobiphenyl
Concen: 2.73 ng
RT: 12.79 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BE090791.D
Acq: 11 Sep 2015 19:08

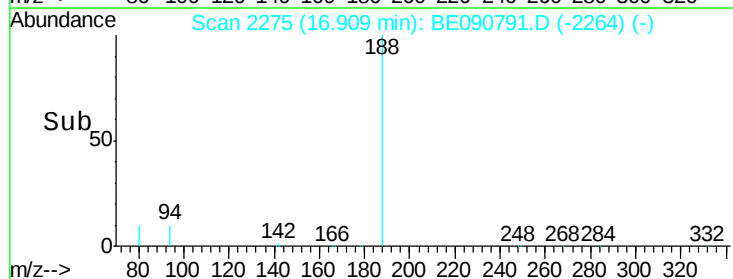
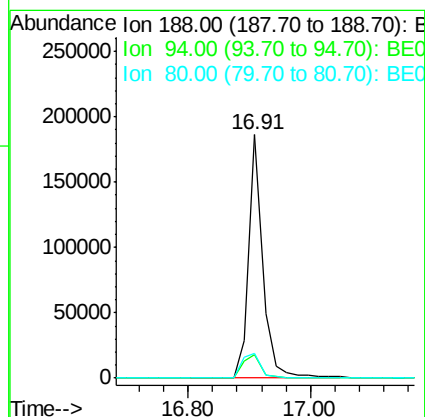
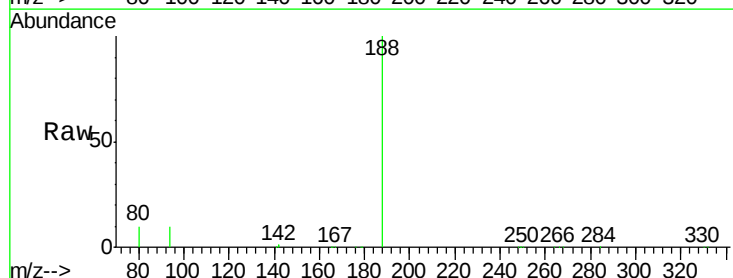
Instrument :
BNA_E
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SC-1

Tot Ion:172 Resp: 86023
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.8
170 23.6 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: BE090791.D
Acq: 11 Sep 2015 19:08

Tgt Ion:188 Resp: 297842
Ion Ratio Lower Upper
188 100
94 9.7 10.3 15.5#
80 10.4 11.0 16.6#





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BE090791.D

Acq: 11 Sep 2015 19:08

Instrument :

BNA_E

ClientSampleId :

SC-1

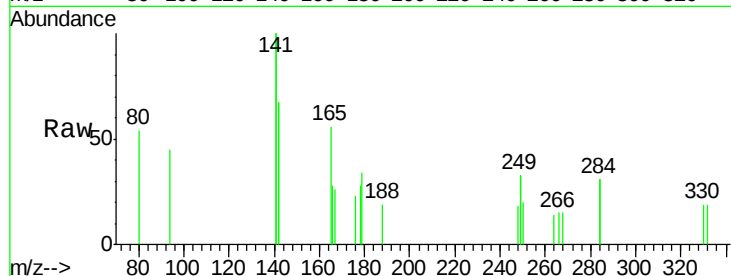
Tot Ion:284 Resp: 58

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

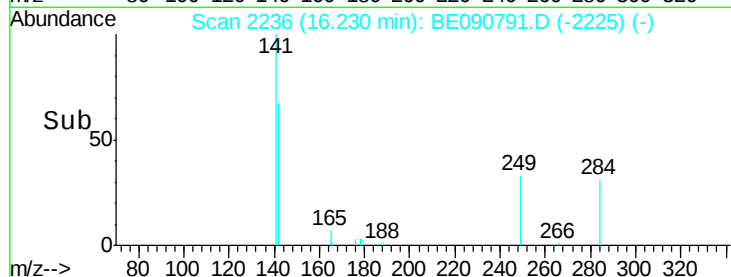
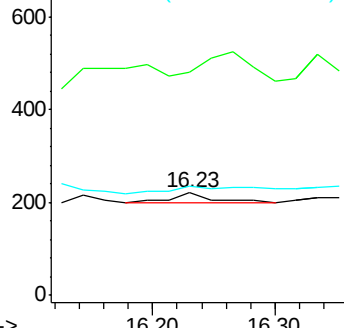
249 144.8 25.5 38.3#



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: 0.47 ng

RT: 16.60 min Scan# 2257

Delta R.T. -0.00 min

Lab File: BE090791.D

Acq: 11 Sep 2015 19:08

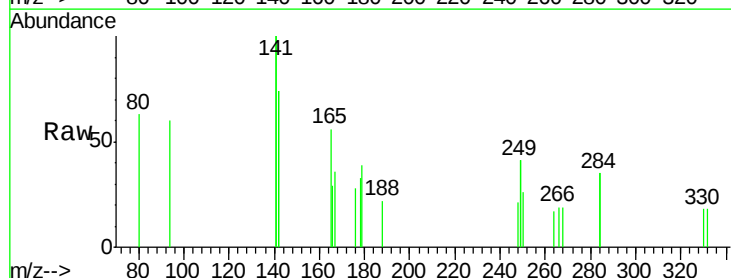
Tgt Ion:266 Resp: 31

Ion Ratio Lower Upper

266 100

268 98.2 49.6 74.4#

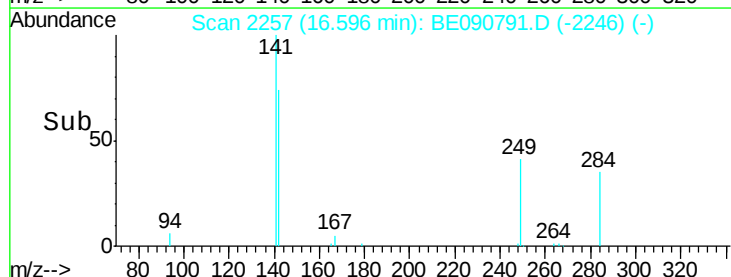
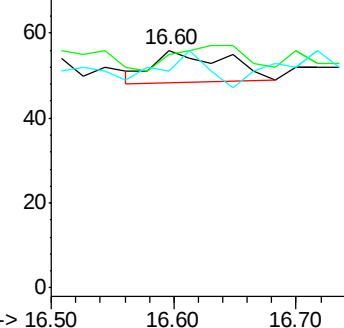
264 91.1 53.9 80.9#

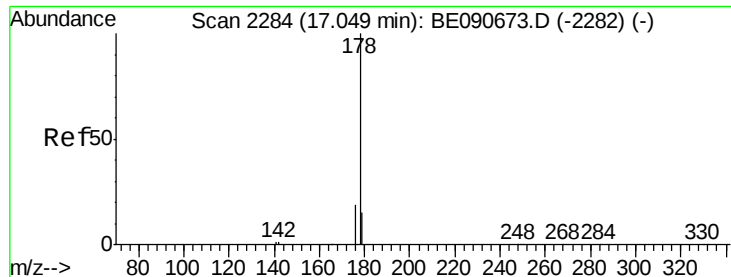


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Anthracene

Concen: 0.02 ng

RT: 16.94 min Scan# 2277

Delta R.T. -0.11 min

Lab File: BE090791.D

Acq: 11 Sep 2015 19:08

Instrument :

BNA_E

ClientSampleId :

SC-1

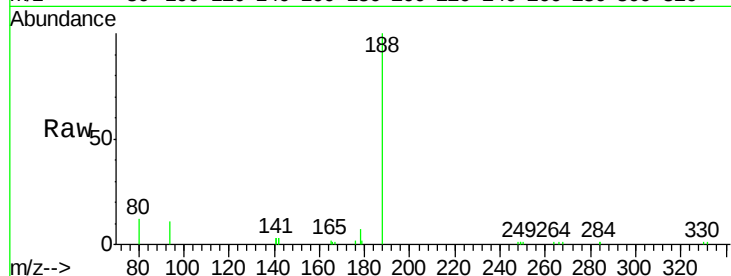
Tot Ion:178 Resp: 1293

Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.6

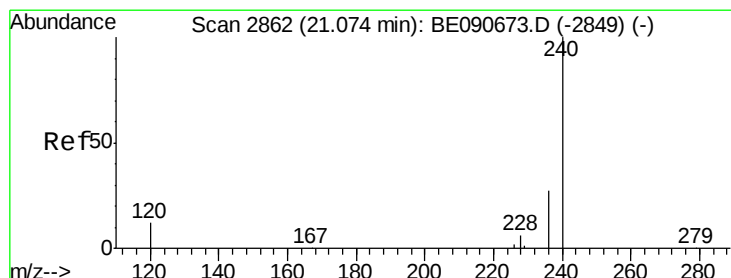
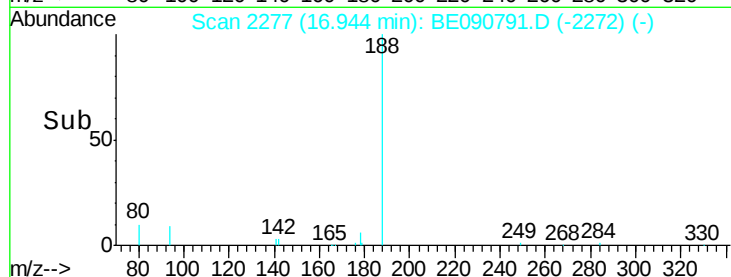
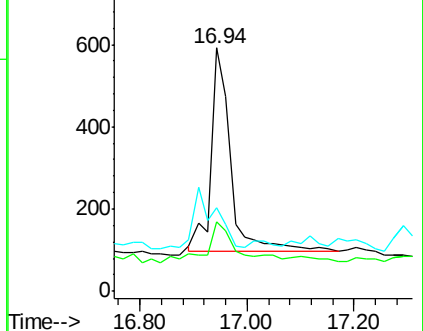
179 0.0 12.3 18.5#



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: BE090791.D

Acq: 11 Sep 2015 19:08

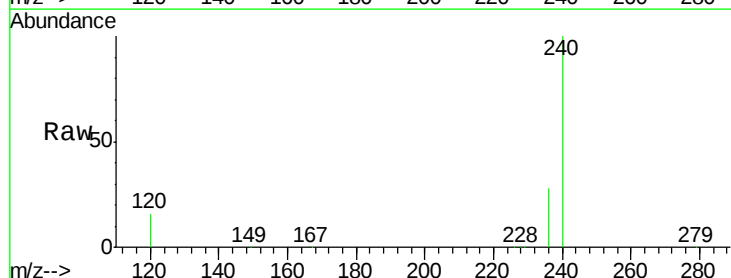
Tgt Ion:240 Resp: 363623

Ion Ratio Lower Upper

240 100

120 16.1 10.1 15.1#

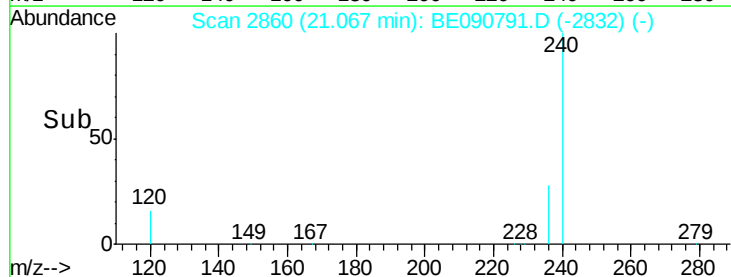
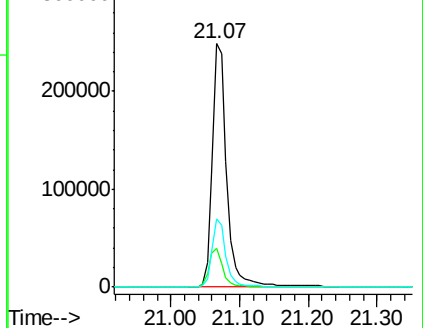
236 28.2 21.9 32.9

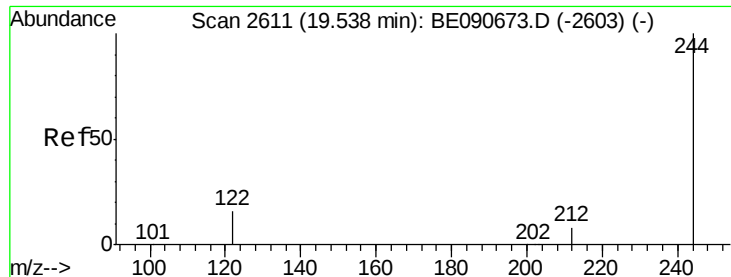


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

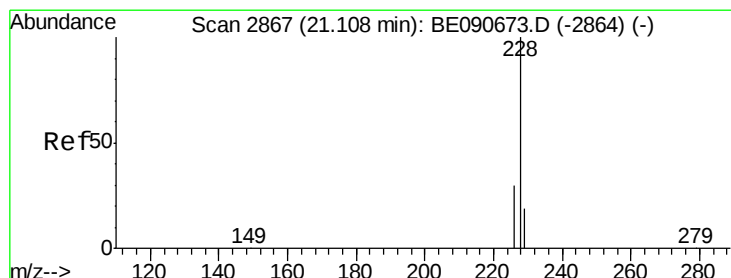
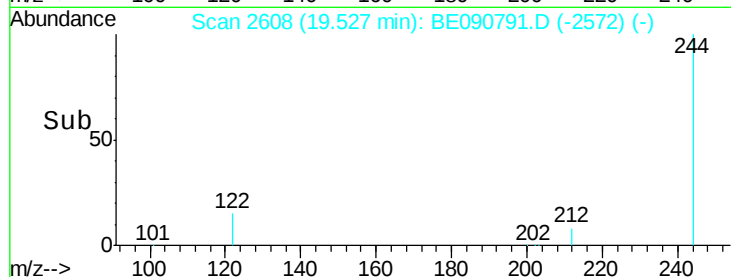
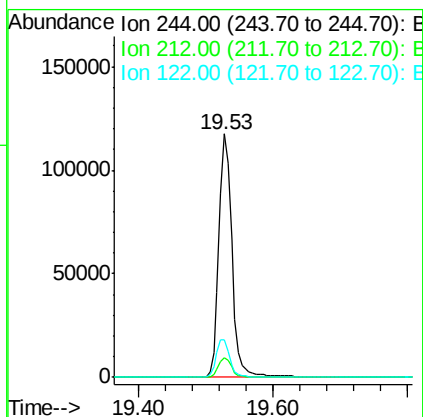
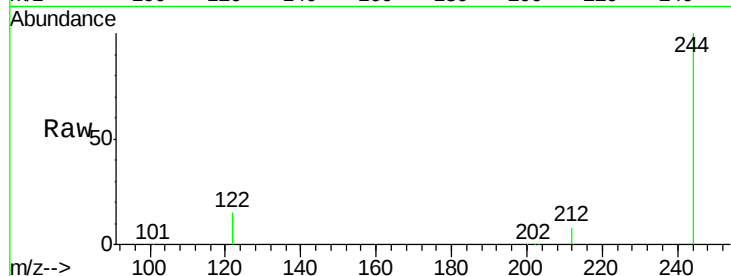




#27
 Terphenyl-d14
 Concen: 3.94 ng
 RT: 19.53 min Scan# 2608
 Delta R.T. -0.01 min
 Lab File: BE090791.D
 Acq: 11 Sep 2015 19:08

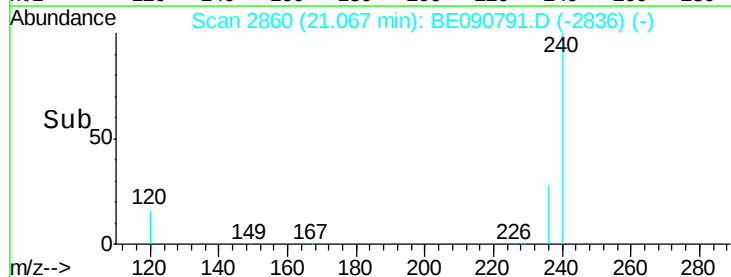
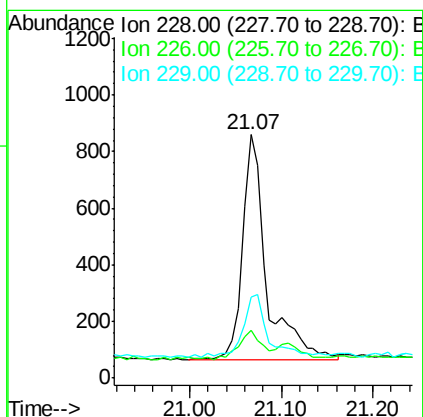
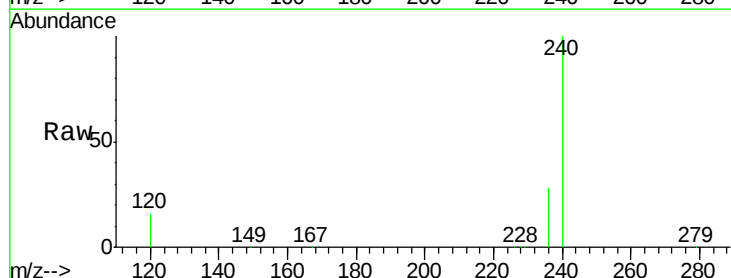
Instrument :
 BNA_E
 ClientSampleId :
 SC-1

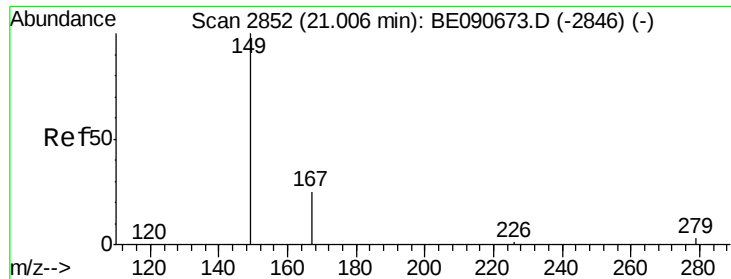
Tot Ion:244 Resp: 158621
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.9 10.3
 122 15.2 12.9 19.3



#29
 Chrysene
 Concen: Below Cal
 RT: 21.07 min Scan# 2860
 Delta R.T. -0.04 min
 Lab File: BE090791.D
 Acq: 11 Sep 2015 19:08

Tgt Ion:228 Resp: 1429
 Ion Ratio Lower Upper
 228 100
 226 19.4 24.2 36.4#
 229 33.3 15.3 22.9#

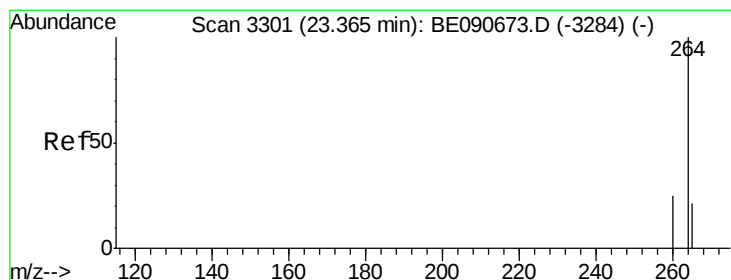
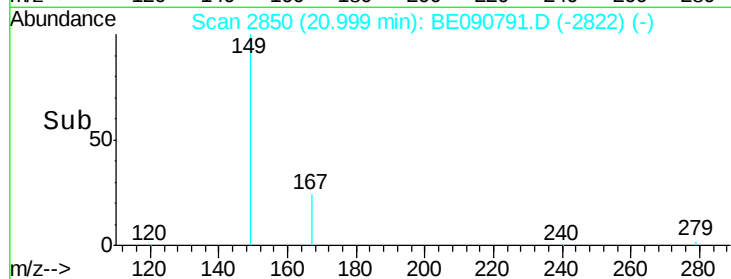
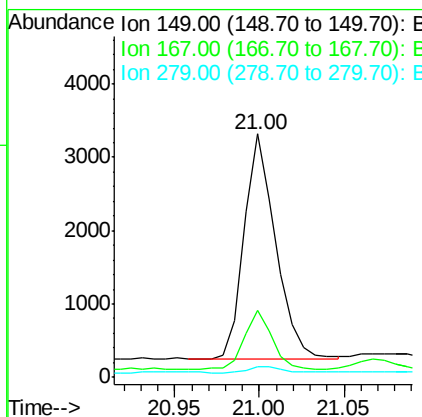
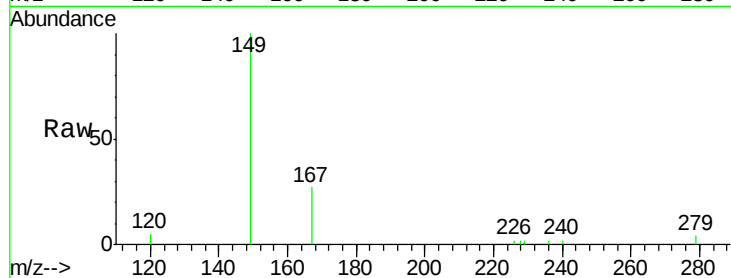




#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.25 ng
 RT: 21.00 min Scan# 2850
 Delta R.T. -0.01 min
 Lab File: BE090791.D
 Acq: 11 Sep 2015 19:08

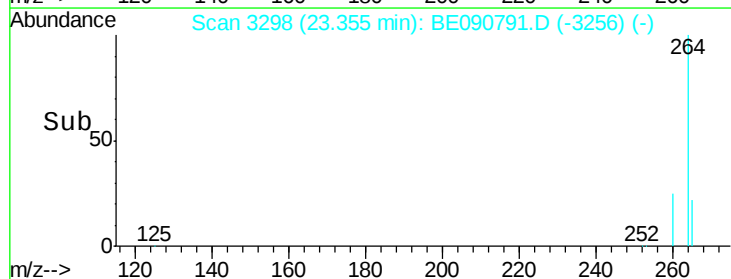
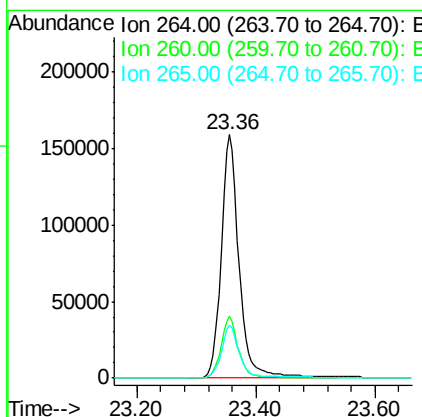
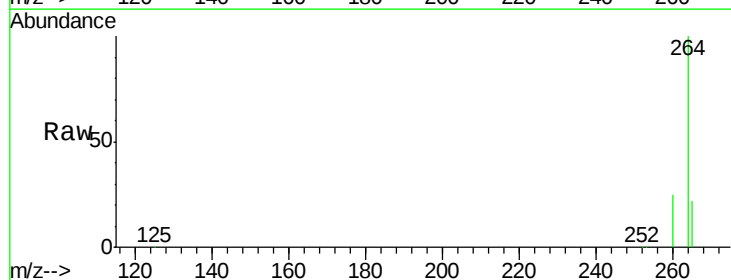
Instrument :
 BNA_E
 ClientSampleId :
 SC-1

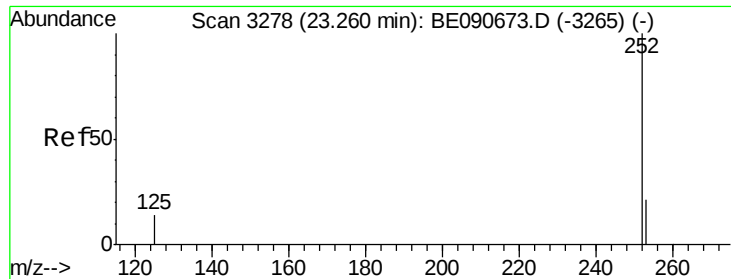
Tot Ion:149 Resp: 4013
 Ion Ratio Lower Upper
 149 100
 167 22.0 20.1 30.1
 279 2.8 2.3 3.5



#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 3298
 Delta R.T. -0.01 min
 Lab File: BE090791.D
 Acq: 11 Sep 2015 19:08

Tgt Ion:264 Resp: 331865
 Ion Ratio Lower Upper
 264 100
 260 25.3 19.7 29.5
 265 21.9 17.5 26.3





#35

Benzo(a)pyrene

Concen: 0.02 ng

RT: 23.35 min Scan# 3297

Delta R.T. 0.09 min

Lab File: BE090791.D

Acq: 11 Sep 2015 19:08

Instrument :

BNA_E

ClientSampled :

SC-1

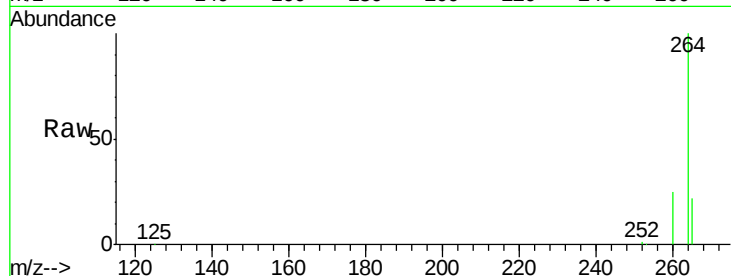
Tot Ion:252 Resp: 1332

Ion Ratio Lower Upper

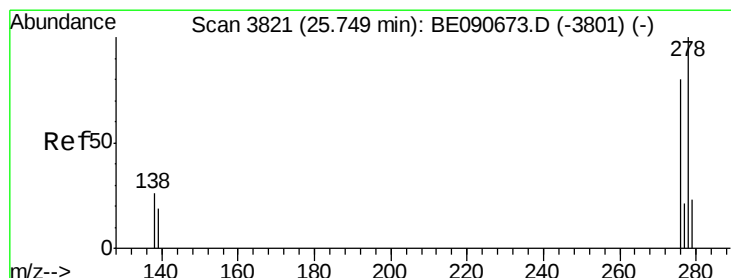
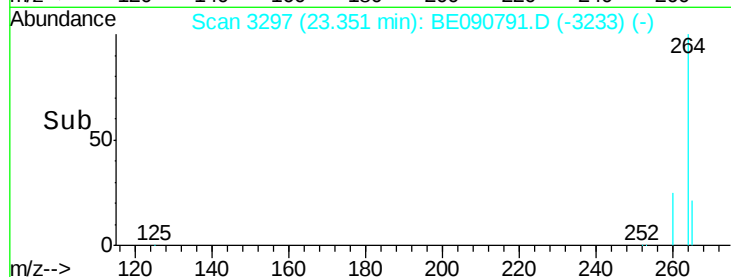
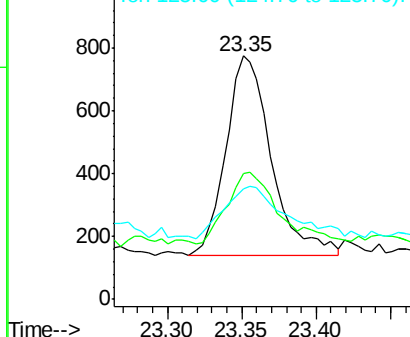
252 100

253 51.6 17.5 26.3#

125 45.3 11.6 17.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#36

Dibenzo(a,h)anthracene

Concen: 0.14 ng

RT: 25.73 min Scan# 3816

Delta R.T. -0.02 min

Lab File: BE090791.D

Acq: 11 Sep 2015 19:08

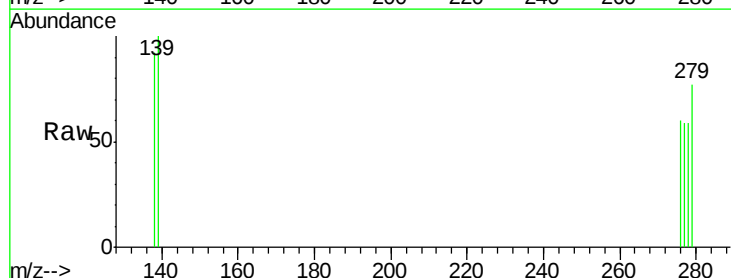
Tgt Ion:278 Resp: 4

Ion Ratio Lower Upper

278 100

139 168.3 15.4 23.0#

279 130.2 18.8 28.2#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E

