

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061516\
 Data File : BE091924.D
 Acq On : 15 Jun 2016 14:34
 Operator : UM/SJ
 Sample : PB91250BL
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB91250BL

Quant Time: Jun 15 15:19:19 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 15 12:00:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	24651	5.00	ng	0.02
8) Naphthalene-d8	11.02	136	108040	5.00	ng	0.03
15) Acenaphthene-d10	14.86	164	75783	5.00	ng	0.00
24) Phenanthrene-d10	17.61	188	165958	5.00	ng	0.00
31) Chrysene-d12	21.76	240	265144	5.00	ng	0.00
40) Perylene-d12	24.16	264	195920	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	31254	6.49	ng	0.00
5) Phenol-d6	7.37	99	40612	5.18	ng	0.02
9) Nitrobenzene-d5	9.38	82	22948	3.08	ng	0.02
16) 2,4,6-Tribromophenol	16.35	330	9608	4.90	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	61749	3.21	ng	0.00
34) Terphenyl-d14	20.22	244	105586	3.25	ng	0.00

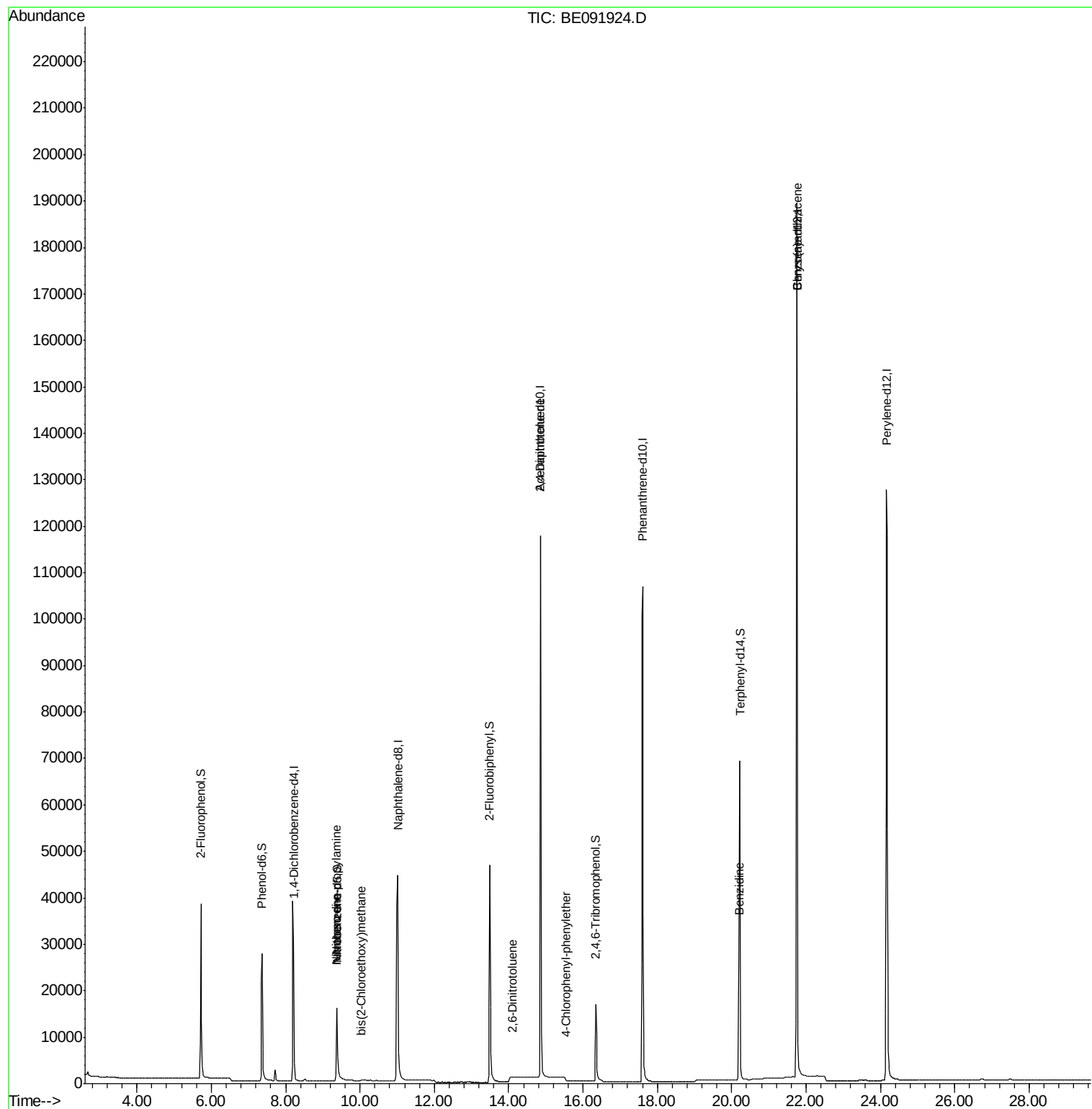
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) n-Nitroso-di-n-propylamine	9.36	70	2772	0.53	ng	# 88
10) Nitrobenzene	9.36	77	67	0.06	ng	# 1
11) bis(2-Chloroethoxy)methane	10.05	93	351	0.04	ng	# 21
19) 2,6-Dinitrotoluene	14.10	165	2375	0.38	ng	# 10
21) 2,4-Dinitrotoluene	14.86	165	36091	2.45	ng	# 1
23) 4-Chlorophenyl-phenylether	15.55	204	423	0.04	ng	# 1
32) Benzidine	20.20	184	2408	0.33	ng	# 92
35) Benzo(a)anthracene	21.76	228	1153	0.03	ng	# 71
38) Bis(2-ethylhexyl)phthalate	21.64	149	770	Below Cal		# 100

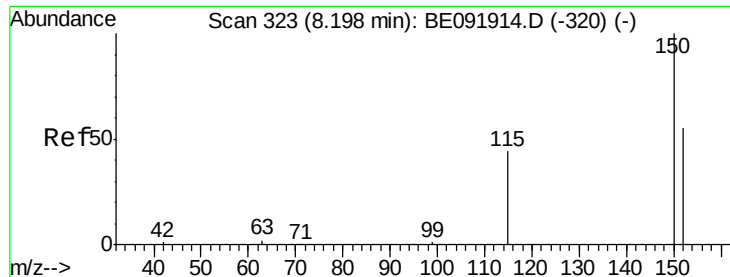
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.21 min Scan# 324

Delta R.T. 0.02 min

Lab File: BE091924.D

Acq: 15 Jun 2016 14:34

Instrument :

BNA_E

ClientSampleId :

PB91250BL

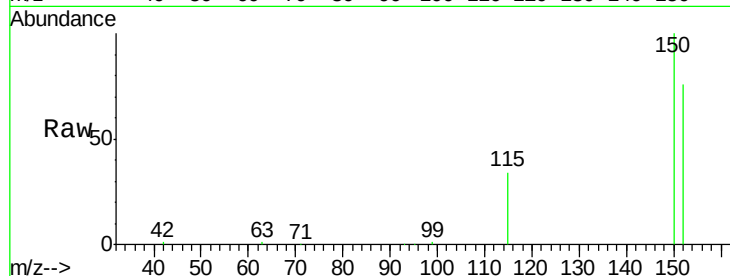
Tgt Ion:152 Resp: 24651

Ion Ratio Lower Upper

152 100

150 131.2 123.9 185.9

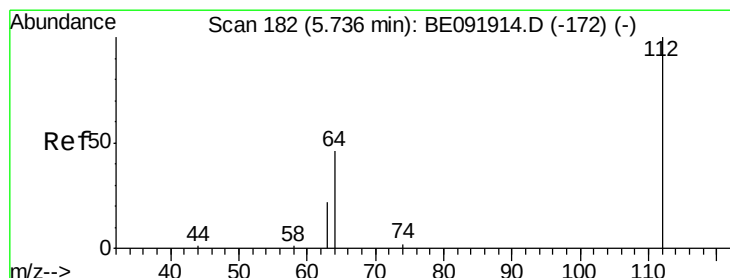
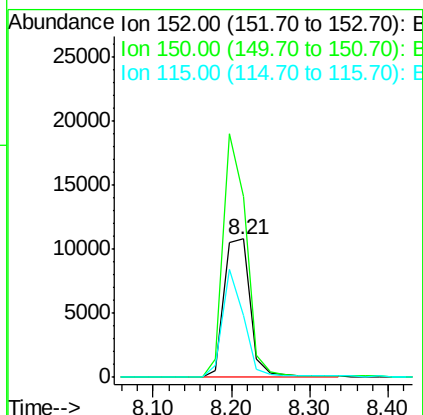
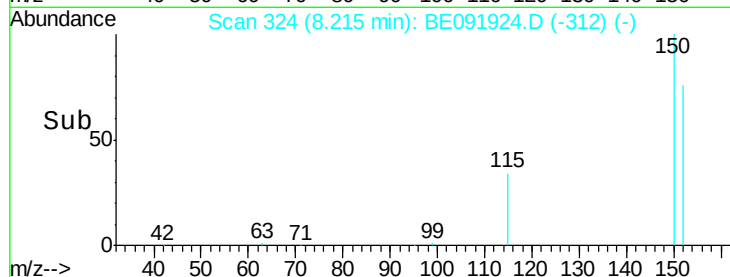
115 44.7 48.3 72.5#



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: 6.49 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE091924.D

Acq: 15 Jun 2016 14:34

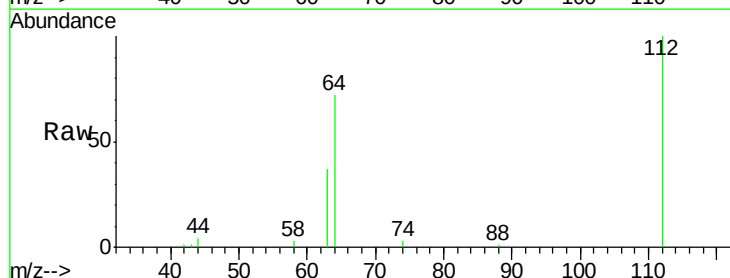
Tgt Ion:112 Resp: 31254

Ion Ratio Lower Upper

112 100

64 67.3 53.7 80.5

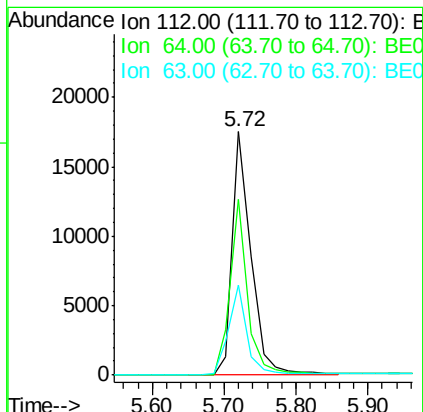
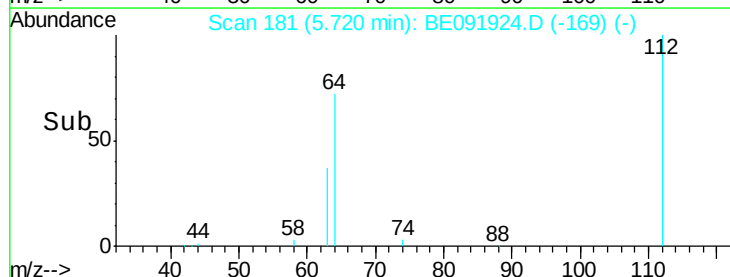
63 36.2 29.5 44.3

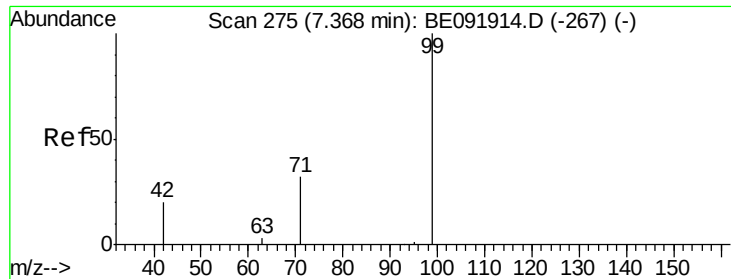


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 5.18 ng

RT: 7.37 min Scan# 275

Delta R.T. 0.02 min

Lab File: BE091924.D

Acq: 15 Jun 2016 14:34

Instrument :

BNA_E

ClientSampleId :

PB91250BL

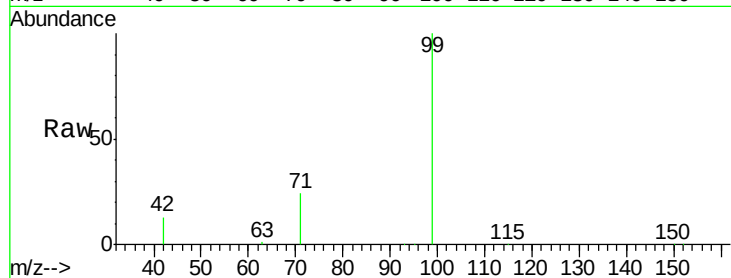
Tgt Ion: 99 Resp: 40612

Ion Ratio Lower Upper

99 100

42 25.2 19.6 29.4

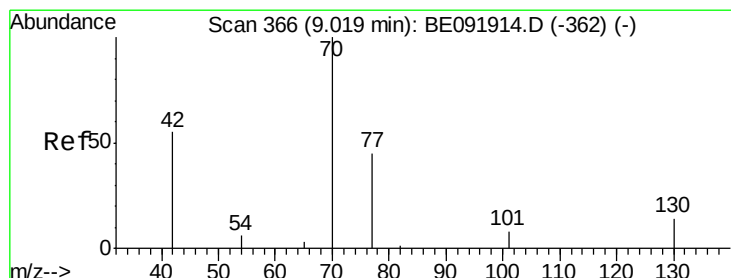
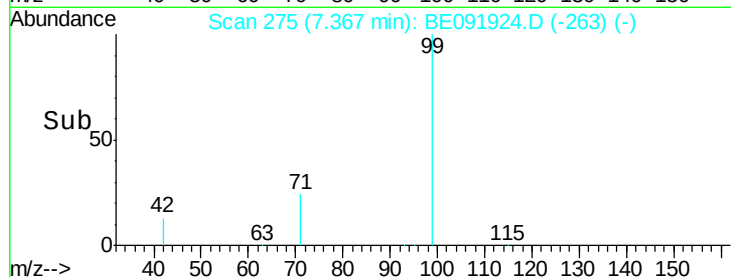
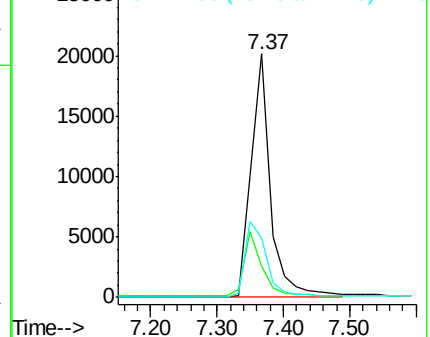
71 35.0 28.1 42.1



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



#7

n-Nitroso-di-n-propylamine

Concen: 0.53 ng

RT: 9.36 min Scan# 384

Delta R.T. 0.36 min

Lab File: BE091924.D

Acq: 15 Jun 2016 14:34

Tgt Ion: 70 Resp: 2772

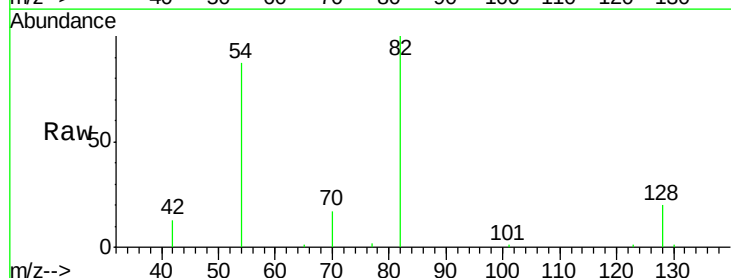
Ion Ratio Lower Upper

70 100

42 64.3 58.4 87.6

101 0.0 6.4 9.6#

130 0.0 0.0 0.0

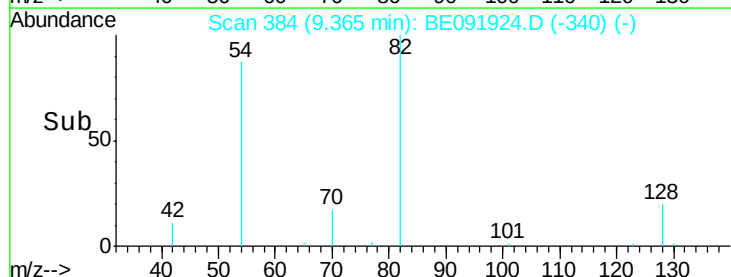
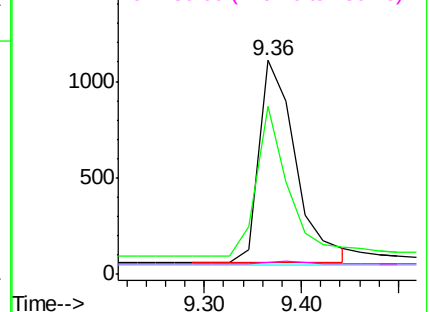


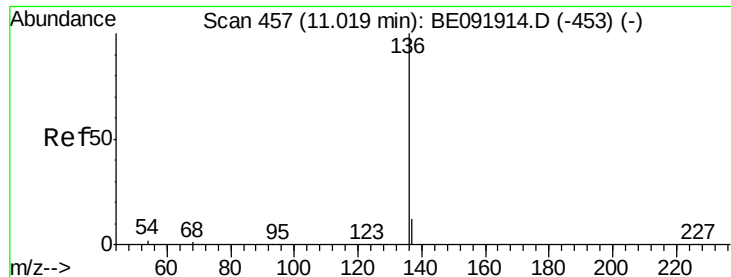
Abundance Ion 70.00 (69.70 to 70.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 101.00 (100.70 to 101.70): BE0

Ion 130.00 (129.70 to 130.70): BE0





#8

Naphthalene-d8

Concen: 5.00 ng

RT: 11.02 min Scan# 457

Delta R.T. 0.03 min

Lab File: BE091924.D

Acq: 15 Jun 2016 14:34

Instrument :

BNA_E

ClientSampleId :

PB91250BL

Tgt Ion: 136 Resp: 108040

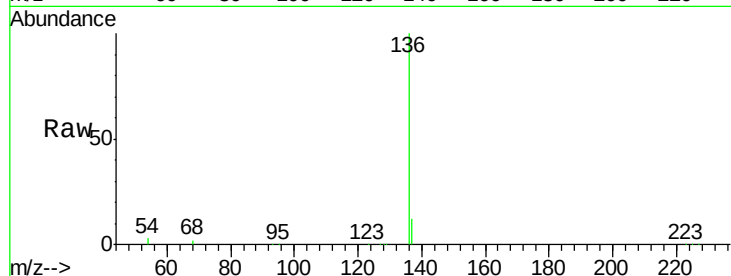
Ion Ratio Lower Upper

136 100

137 12.0 8.3 12.5

54 2.7 8.2 12.4#

68 2.1 5.9 8.9#

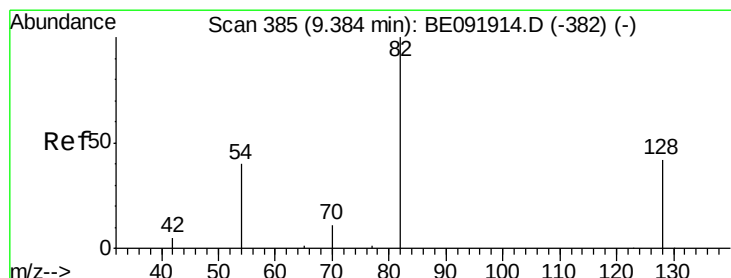
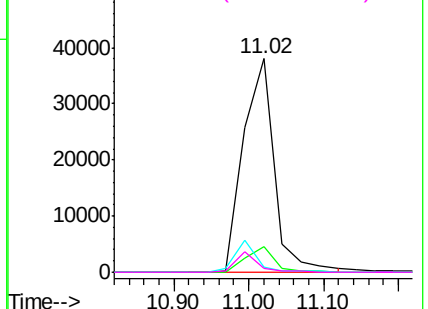
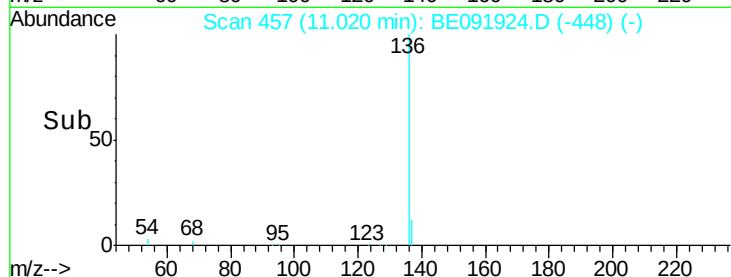


Abundance Ion 136.00 (135.70 to 136.70): E

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



#9

Nitrobenzene-d5

Concen: 3.08 ng

RT: 9.38 min Scan# 385

Delta R.T. 0.02 min

Lab File: BE091924.D

Acq: 15 Jun 2016 14:34

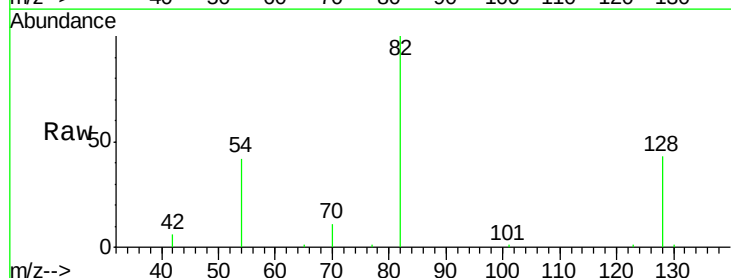
Tgt Ion: 82 Resp: 22948

Ion Ratio Lower Upper

82 100

128 43.3 39.5 59.3

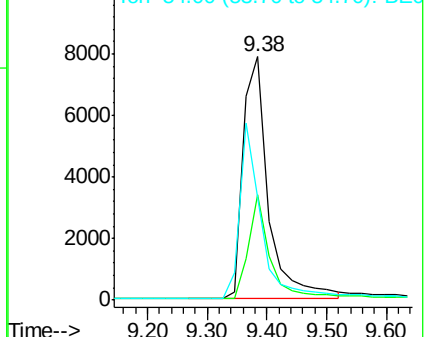
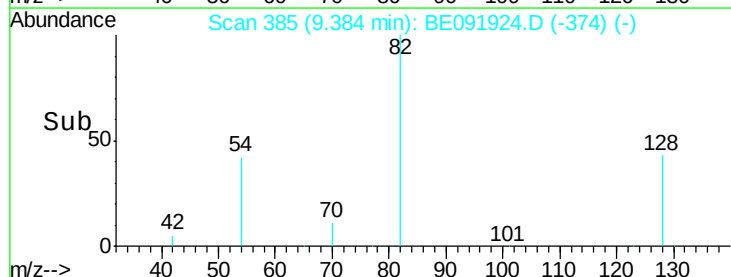
54 42.1 30.3 45.5

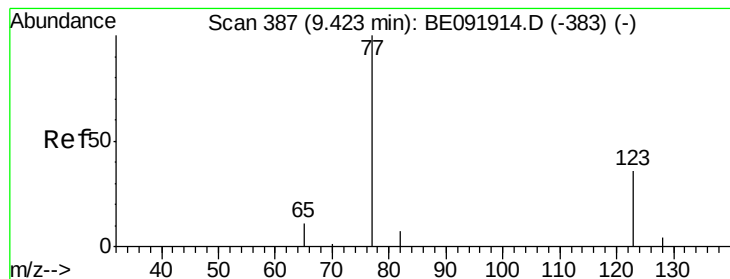


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#10

Nitrobenzene

Concen: 0.06 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.04 min

Lab File: BE091924.D

Acq: 15 Jun 2016 14:34

Instrument :

BNA_E

ClientSampleId :

PB91250BL

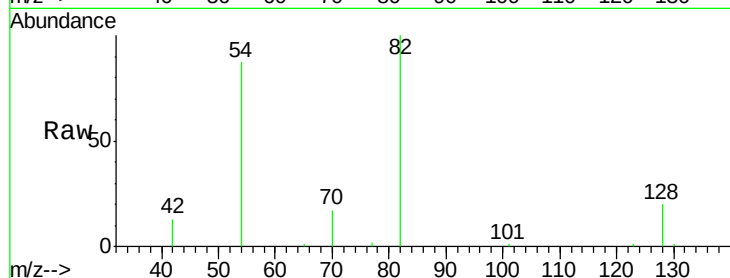
Tgt Ion: 77 Resp: 67

Ion Ratio Lower Upper

77 100

123 0.0 0.0 0.0

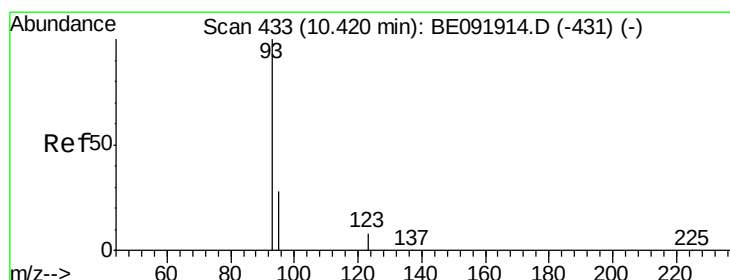
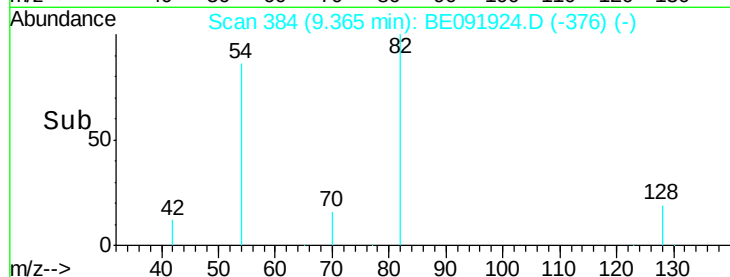
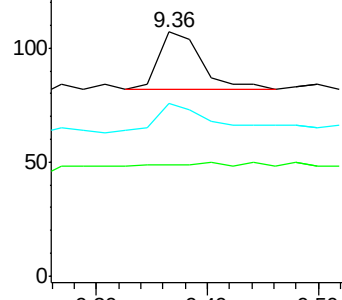
65 77.6 11.1 16.7#



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



#11

bis(2-Chloroethoxy)methane

Concen: 0.04 ng

RT: 10.05 min Scan# 418

Delta R.T. -0.37 min

Lab File: BE091924.D

Acq: 15 Jun 2016 14:34

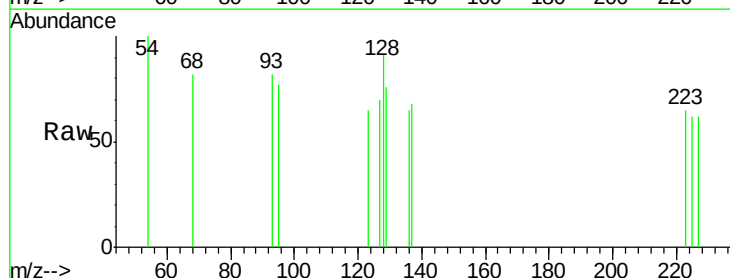
Tgt Ion: 93 Resp: 351

Ion Ratio Lower Upper

93 100

95 93.7 57.6 86.4#

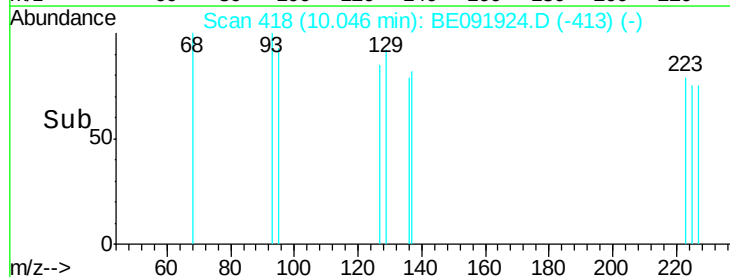
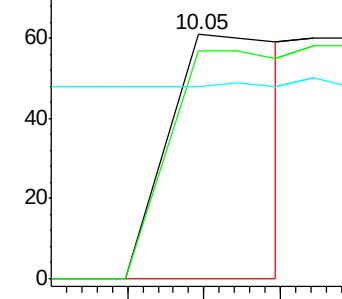
123 0.0 100.2 150.4#

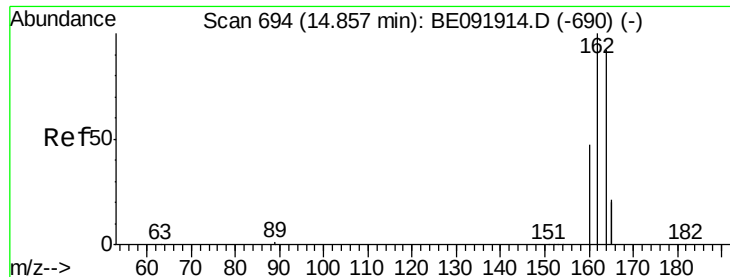


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

Ion 123.00 (122.70 to 123.70): BE0





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.00 min

Lab File: BE091924.D

Acq: 15 Jun 2016 14:34

Instrument :

BNA_E

ClientSampled :

PB91250BL

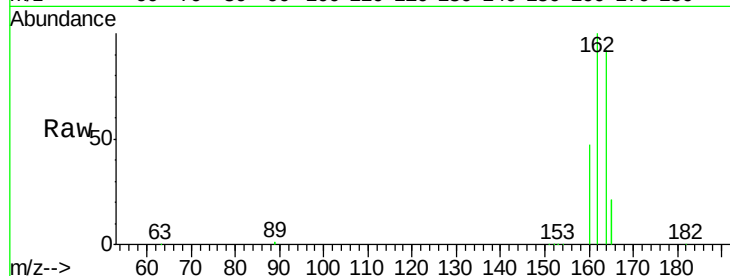
Tgt Ion:164 Resp: 75783

Ion Ratio Lower Upper

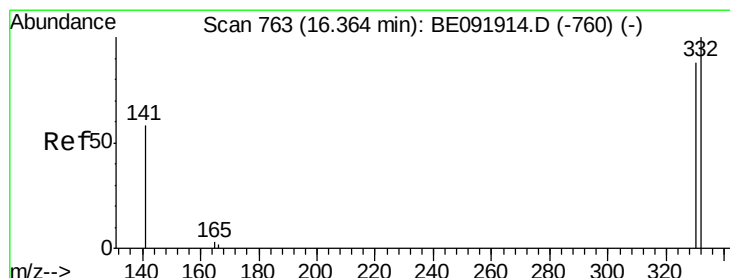
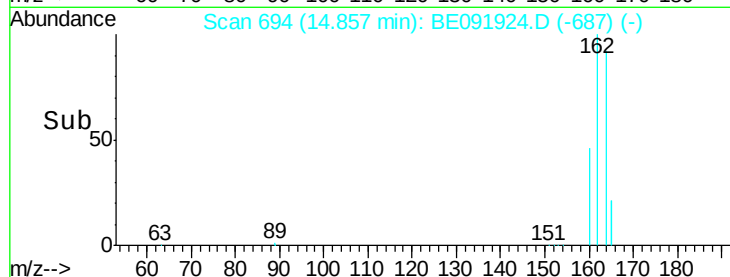
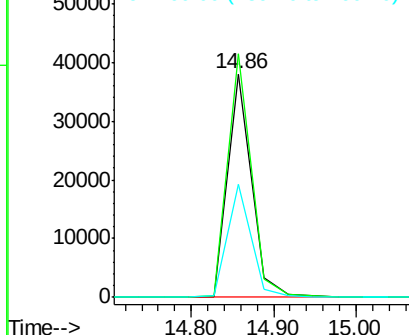
164 100

162 109.1 71.8 107.8#

160 50.8 28.0 42.0#



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



#16

2,4,6-Tribromophenol

Concen: 4.90 ng

RT: 16.35 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE091924.D

Acq: 15 Jun 2016 14:34

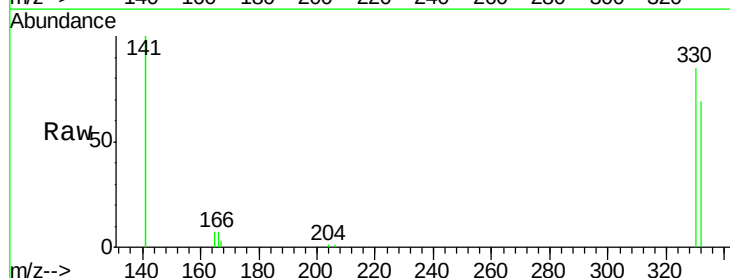
Tgt Ion:330 Resp: 9608

Ion Ratio Lower Upper

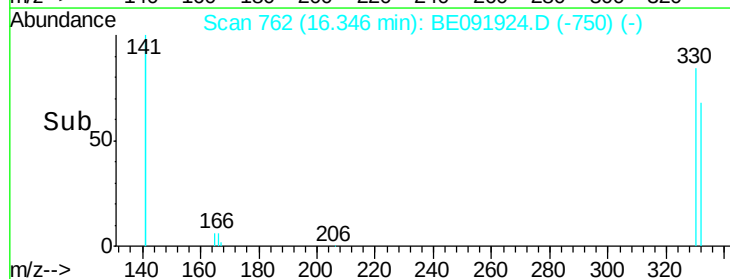
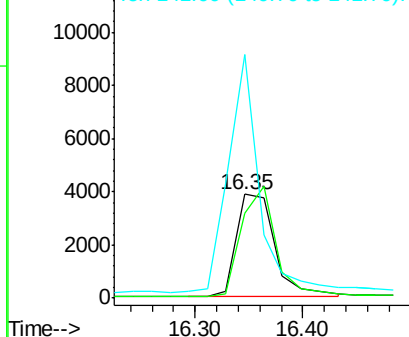
330 100

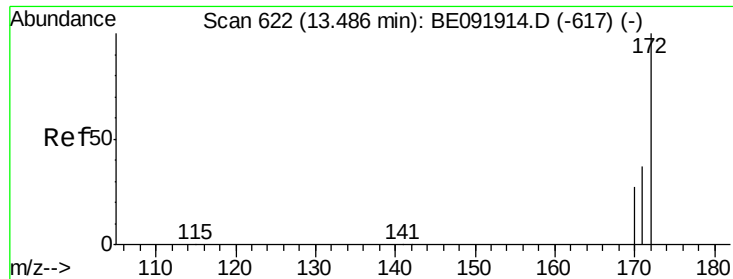
332 97.1 77.0 115.6

141 181.8 138.4 207.6



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

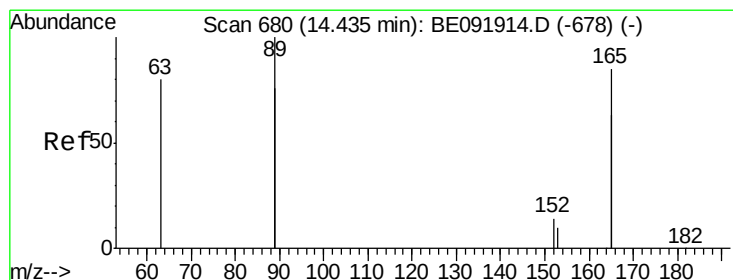
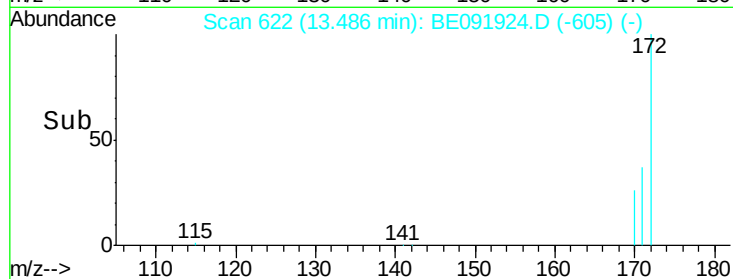
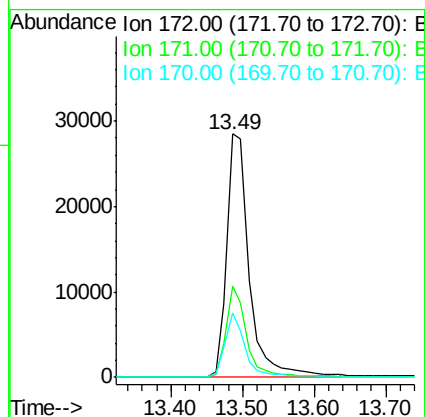
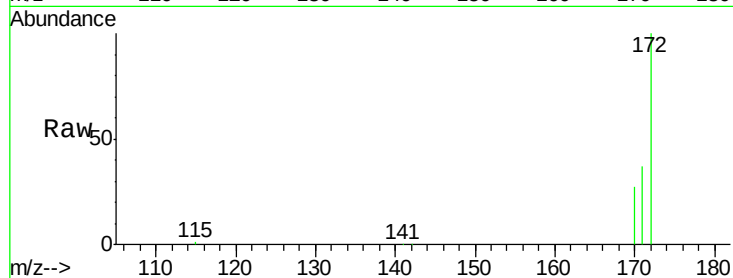




#17
 2-Fluorobiphenyl
 Concen: 3.21 ng
 RT: 13.49 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BE091924.D
 Acq: 15 Jun 2016 14:34

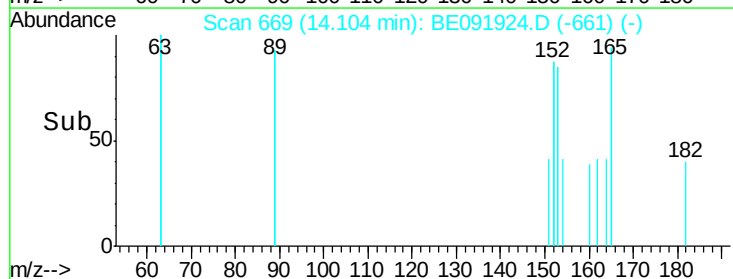
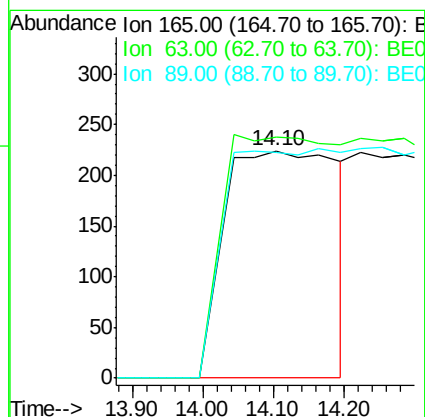
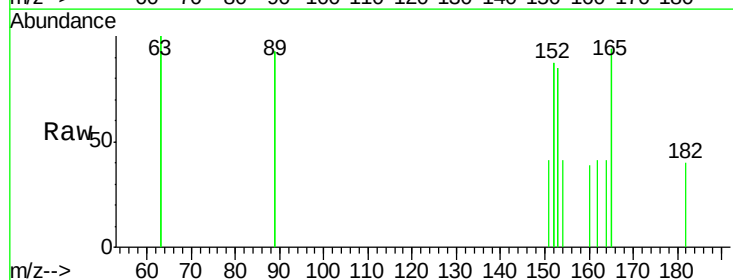
Instrument :
 BNA_E
 ClientSampleId :
 PB91250BL

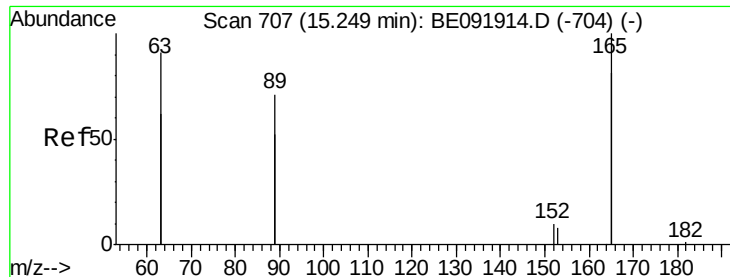
Tgt Ion:172 Resp: 61749
 Ion Ratio Lower Upper
 172 100
 171 37.3 24.3 36.5#
 170 26.6 14.9 22.3#



#19
 2,6-Dinitrotoluene
 Concen: 0.38 ng
 RT: 14.10 min Scan# 669
 Delta R.T. -0.33 min
 Lab File: BE091924.D
 Acq: 15 Jun 2016 14:34

Tgt Ion:165 Resp: 2375
 Ion Ratio Lower Upper
 165 100
 63 0.0 65.9 98.9#
 89 0.0 59.1 88.7#





#21

2,4-Dinitrotoluene

Concen: 2.45 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.36 min

Lab File: BE091924.D

Acq: 15 Jun 2016 14:34

Instrument :

BNA_E

ClientSampleId :

PB91250BL

Tgt Ion:165 Resp: 36091

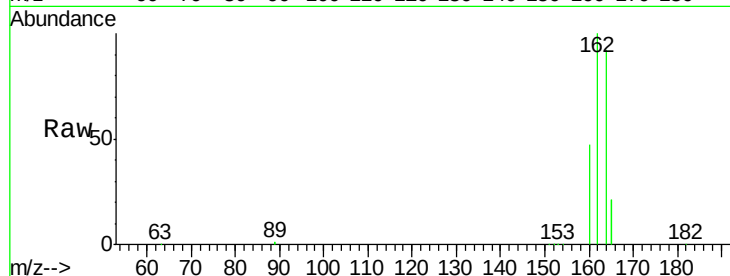
Ion Ratio Lower Upper

165 100

63 1.5 0.0 0.0#

89 1.7 99.8 149.8#

182 0.0 0.0 0.0

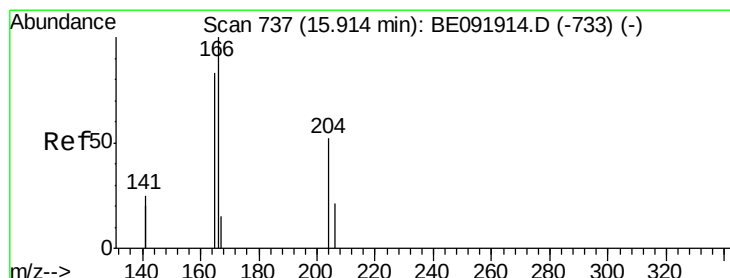
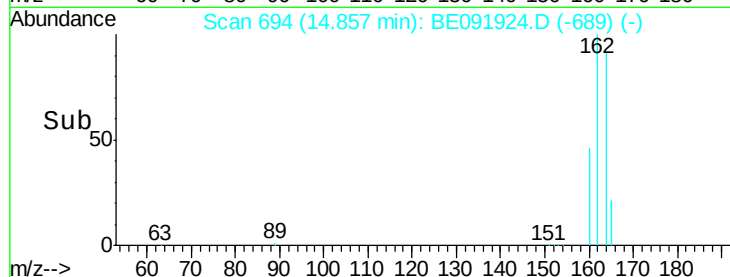
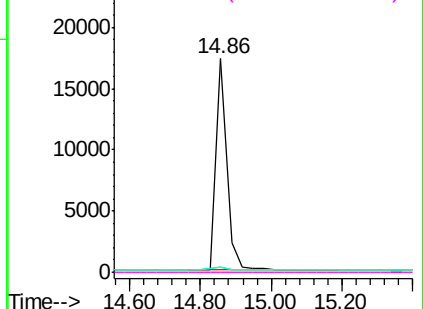


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E



#23

4-Chlorophenyl-phenylether

Concen: 0.04 ng

RT: 15.55 min Scan# 716

Delta R.T. -0.35 min

Lab File: BE091924.D

Acq: 15 Jun 2016 14:34

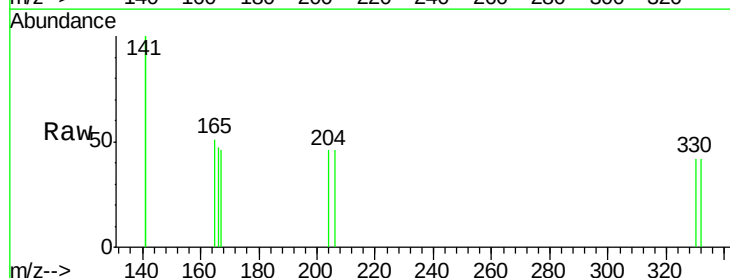
Tgt Ion:204 Resp: 423

Ion Ratio Lower Upper

204 100

206 124.8 27.8 41.6#

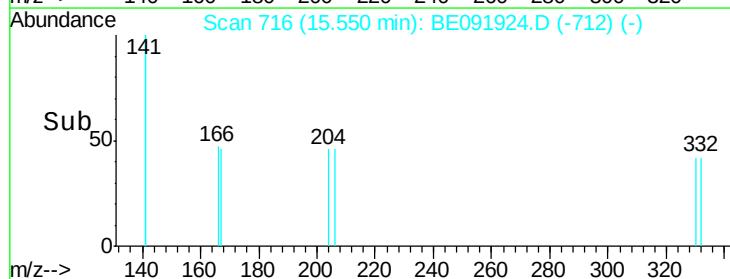
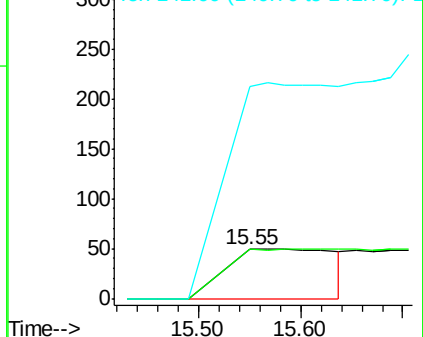
141 442.3 197.6 296.4#

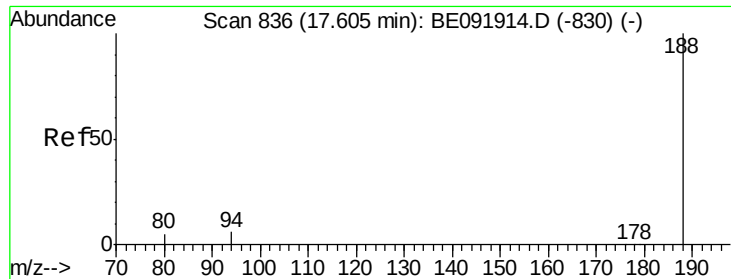


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

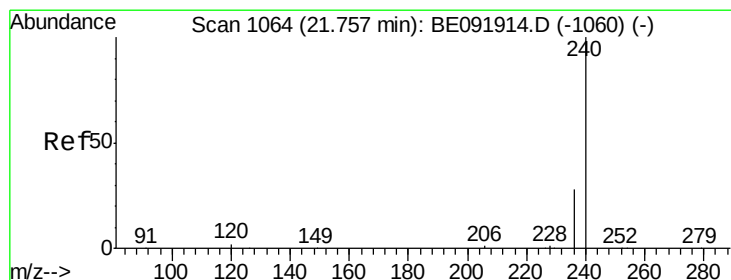
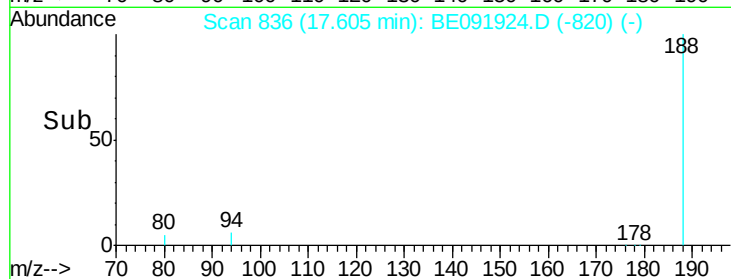
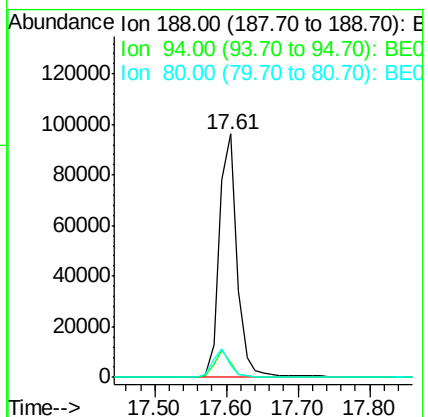
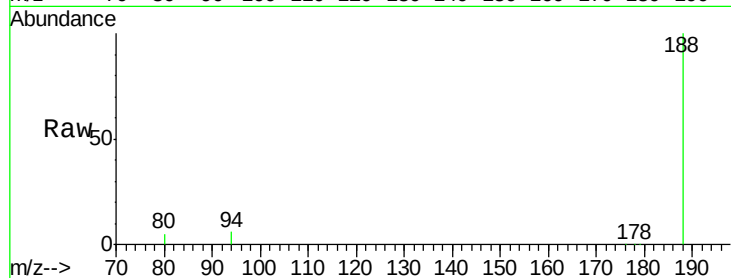




#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.61 min Scan# 836
Delta R.T. -0.00 min
Lab File: BE091924.D
Acq: 15 Jun 2016 14:34

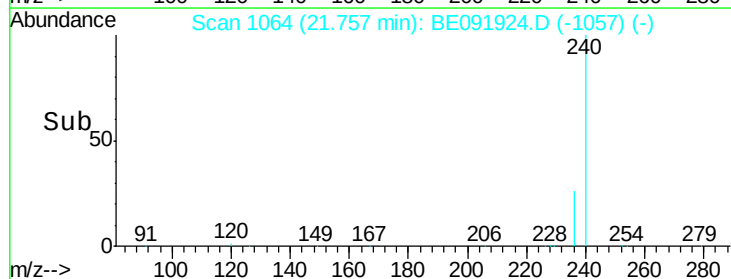
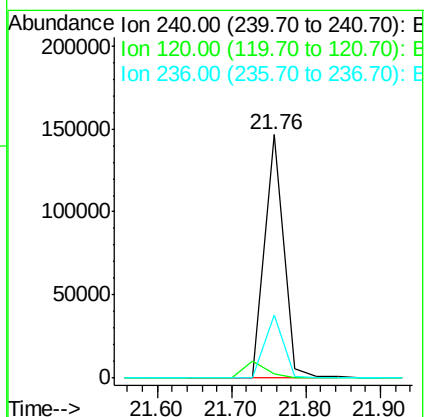
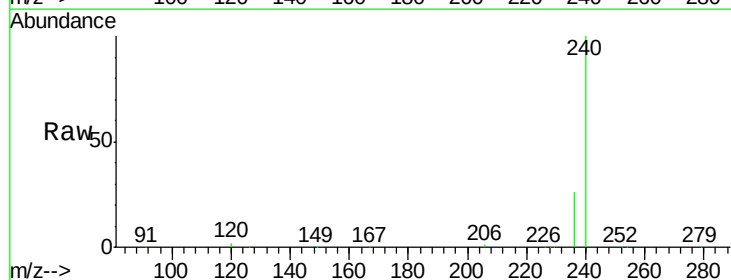
Instrument :
BNA_E
ClientSampleId :
PB91250BL

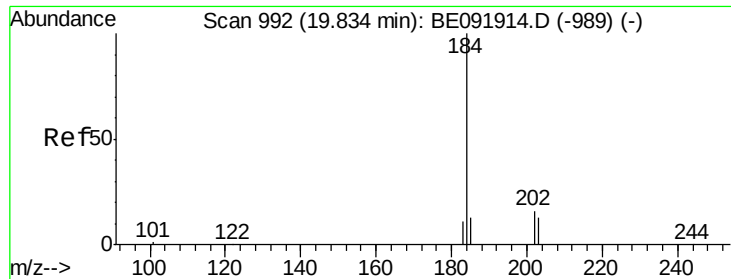
Tgt Ion:188 Resp: 165958
Ion Ratio Lower Upper
188 100
94 5.8 4.1 6.1
80 5.1 3.4 5.2



#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BE091924.D
Acq: 15 Jun 2016 14:34

Tgt Ion:240 Resp: 265144
Ion Ratio Lower Upper
240 100
120 1.5 1.2 1.8
236 26.2 19.8 29.8





#32

Benzidine

Concen: 0.33 ng

RT: 20.20 min Scan# 1008

Delta R.T. 0.37 min

Lab File: BE091924.D

Acq: 15 Jun 2016 14:34

Instrument :

BNA_E

ClientSampleId :

PB91250BL

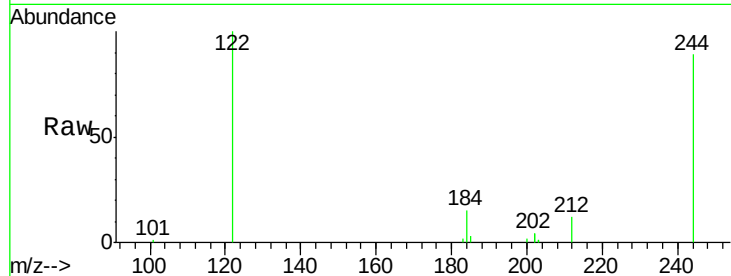
Tgt Ion:184 Resp: 2408

Ion Ratio Lower Upper

184 100

185 19.3 11.4 17.2#

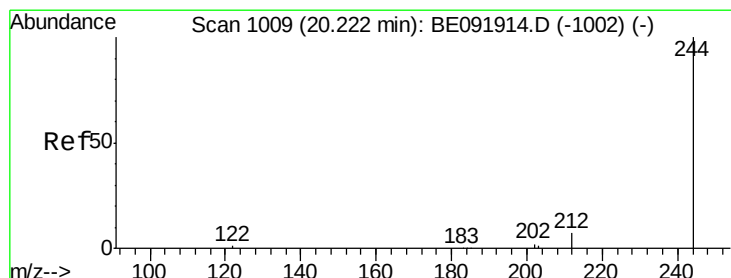
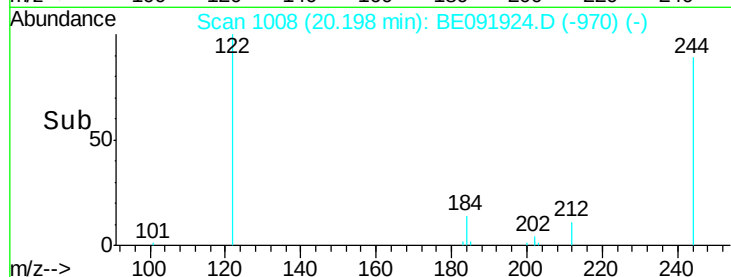
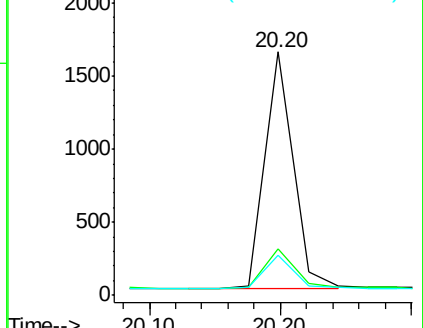
183 16.3 11.8 17.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#34

Terphenyl-d14

Concen: 3.25 ng

RT: 20.22 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BE091924.D

Acq: 15 Jun 2016 14:34

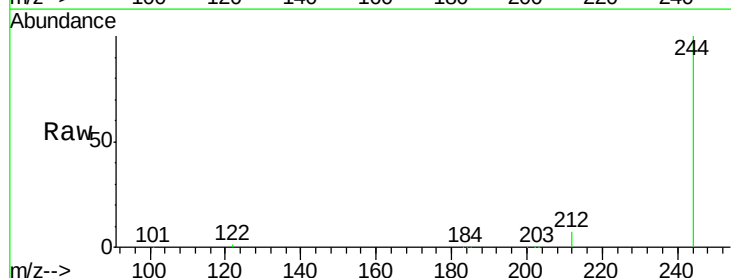
Tgt Ion:244 Resp: 105586

Ion Ratio Lower Upper

244 100

212 6.8 6.5 9.7

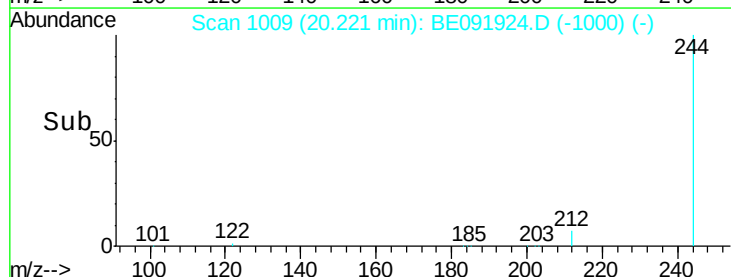
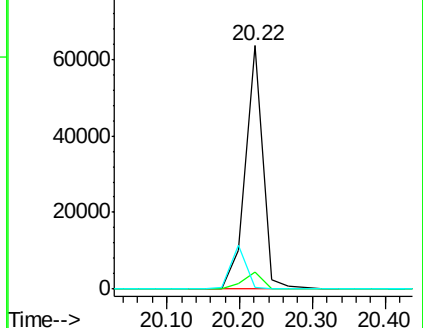
122 0.8 2.9 4.3#

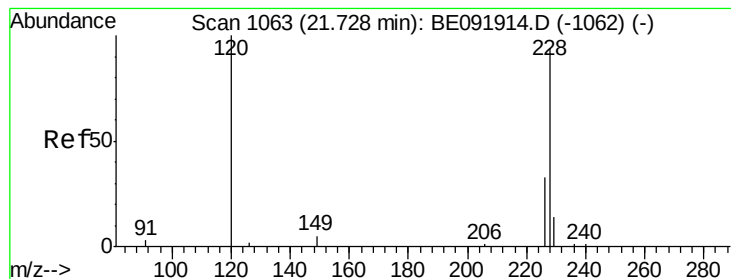


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 0.03 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.03 min

Lab File: BE091924.D

Acq: 15 Jun 2016 14:34

Instrument :

BNA_E

ClientSampleId :

PB91250BL

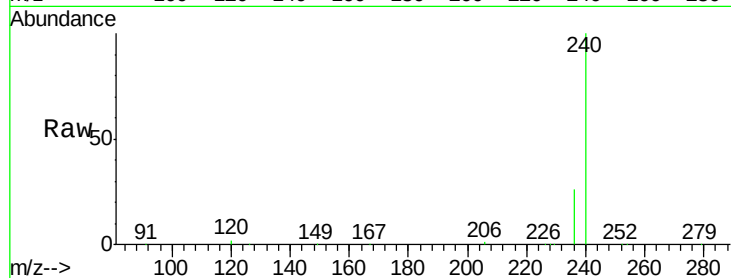
Tgt Ion: 228 Resp: 1153

Ion Ratio Lower Upper

228 100

226 19.0 21.0 31.4#

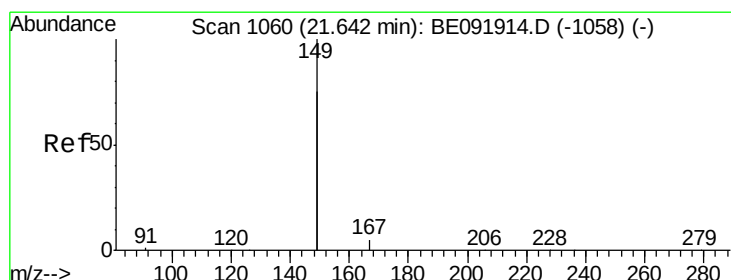
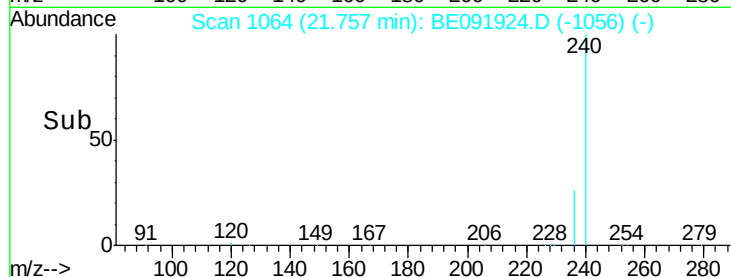
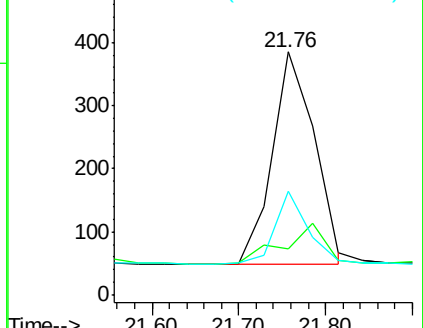
229 42.6 15.8 23.8#



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



#38

Bis(2-ethylhexyl)phthalate

Concen: Below Cal

RT: 21.64 min Scan# 1060

Delta R.T. -0.03 min

Lab File: BE091924.D

Acq: 15 Jun 2016 14:34

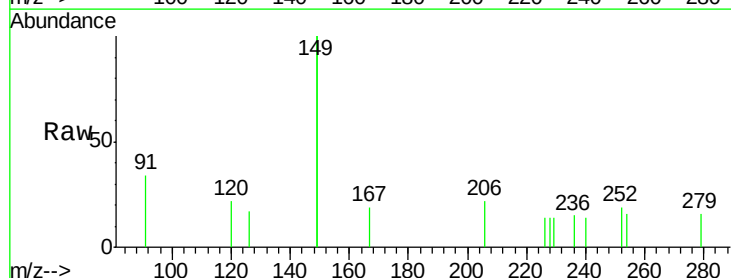
Tgt Ion: 149 Resp: 770

Ion Ratio Lower Upper

149 100

167 0.0 0.0 0.0

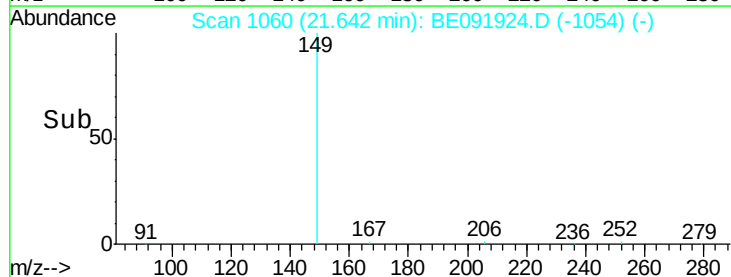
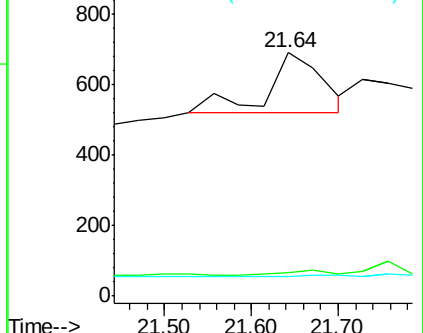
279 0.0 0.0 0.0

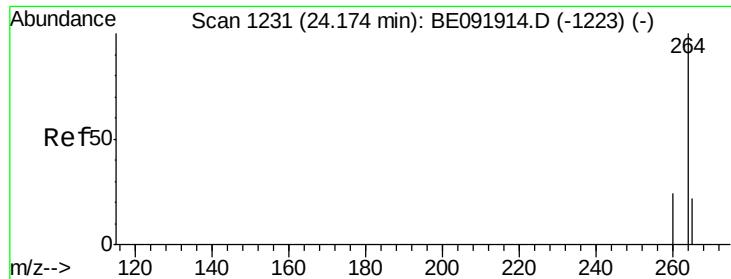


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#40

Perylene-d12

Concen: 5.00 ng

RT: 24.16 min Scan# 1231

Delta R.T. -0.01 min

Lab File: BE091924.D

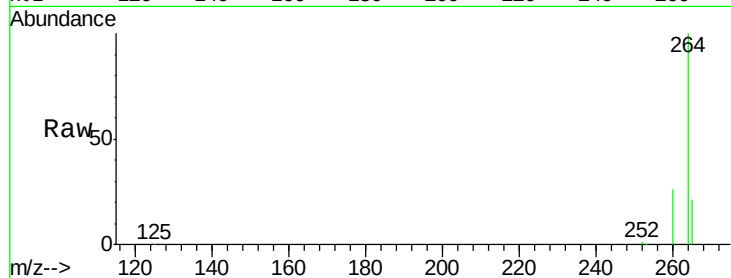
Acq: 15 Jun 2016 14:34

Instrument :

BNA_E

ClientSampleId :

PB91250BL



Tgt Ion:	264	Resp:	195920
Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.3	30.5
265	21.0	17.6	26.4

