

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060716\
 Data File : BE091892.D
 Acq On : 8 Jun 2016 1:21
 Operator : UM/SJ
 Sample : H3357-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 08 07:18:41 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 17:14:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	30123	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	133993	5.00	ng	0.00
15) Acenaphthene-d10	14.38	164	81737	5.00	ng	0.00
24) Phenanthrene-d10	17.12	188	251707	5.00	ng	0.00
31) Chrysene-d12	21.30	240	196869	5.00	ng	0.00
40) Perylene-d12	23.71	264	272166	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	15207	2.37	ng	0.00
5) Phenol-d6	6.94	99	11160	1.40	ng	-0.02
9) Nitrobenzene-d5	8.91	82	28629	2.85	ng	-0.02
16) 2,4,6-Tribromophenol	15.87	330	17311	7.43	ng	-0.02
17) 2-Fluorobiphenyl	13.01	172	76236	3.07	ng	0.00
34) Terphenyl-d14	19.74	244	159284	-5.00	ng	0.00

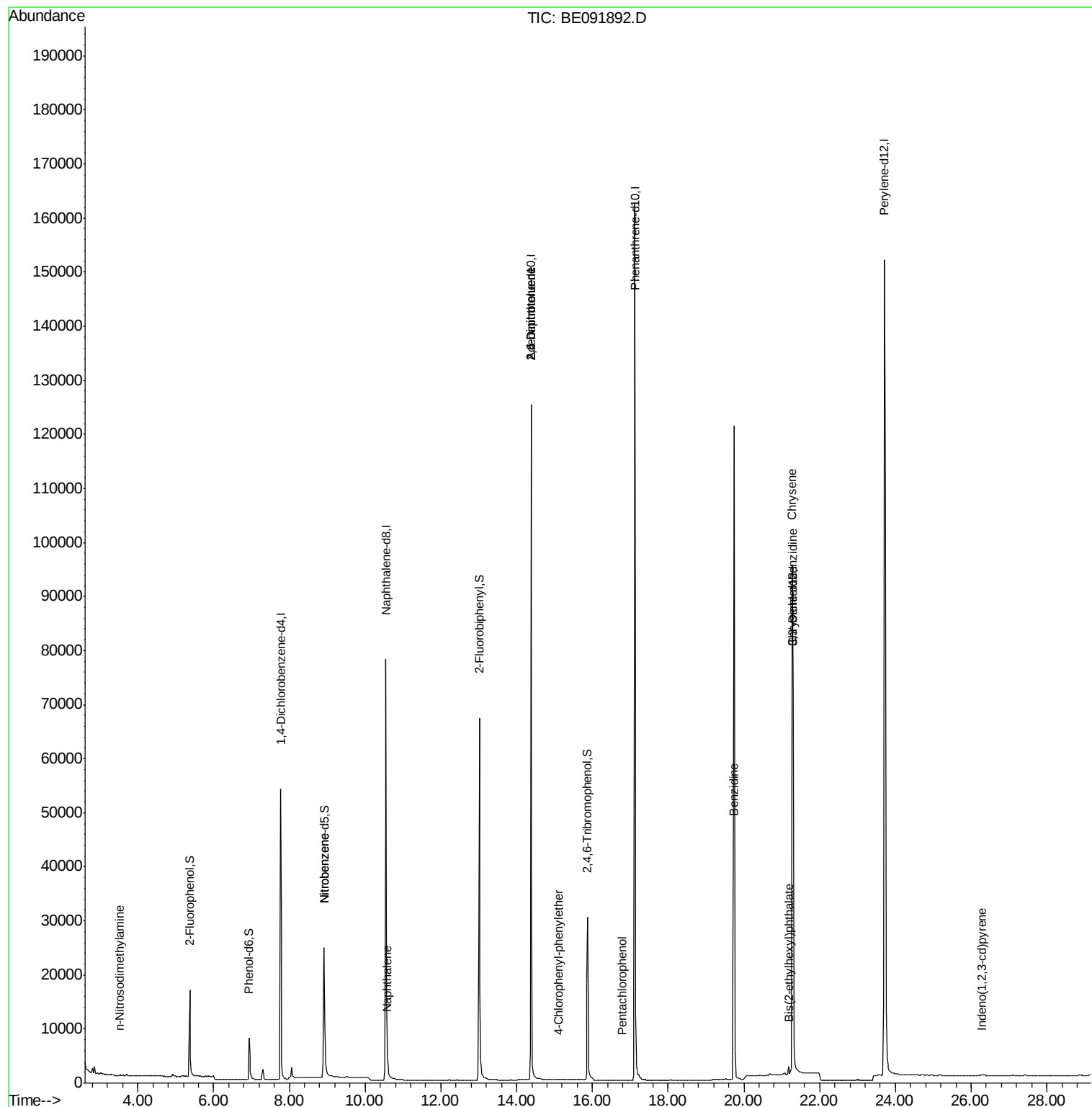
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	235	Below Cal	#	48
3) n-Nitrosodimethylamine	3.52	42	120	0.02	ng	# 1
10) Nitrobenzene	8.91	77	92	0.06	ng	# 1
12) Naphthalene	10.59	128	1357	0.05	ng	# 84
19) 2,6-Dinitrotoluene	14.38	165	10035	1.89	ng	# 12
21) 2,4-Dinitrotoluene	14.38	165	10494	1.77	ng	# 1
23) 4-Chlorophenyl-phenylether	15.11	204	562	0.04	ng	# 25
27) Pentachlorophenol	16.78	266	65	0.06	ng	# 79
32) Benzidine	19.72	184	2712	0.27	ng	# 94
35) Benzo(a)anthracene	21.27	228	6697	Below Cal	#	84
36) 3,3'-Dichlorobenzidine	21.30	252	80	0.11	ng	# 85
37) Chrysene	21.27	228	6759	0.03	ng	# 75
38) Bis(2-ethylhexyl)phthalate	21.19	149	2034	0.18	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.29	276	182	0.05	ng	# 73

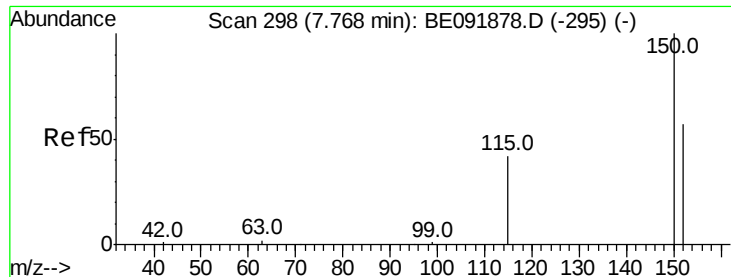
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.77 min Scan# 298

Delta R.T. -0.00 min

Lab File: BE091892.D

Acq: 8 Jun 2016 1:21

Instrument :

BNA_E

ClientSampleId :

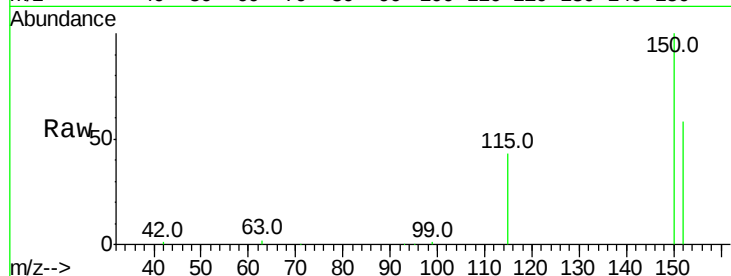
Tot Ion:152 Resp: 30123

Ion Ratio Lower Upper

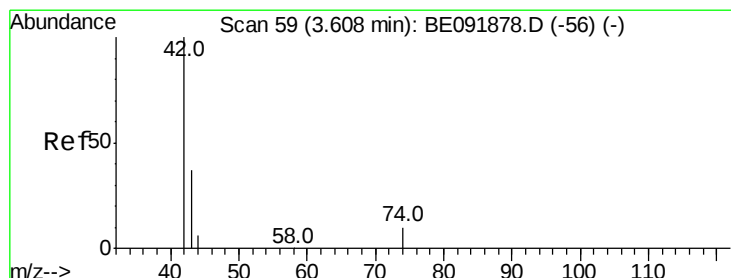
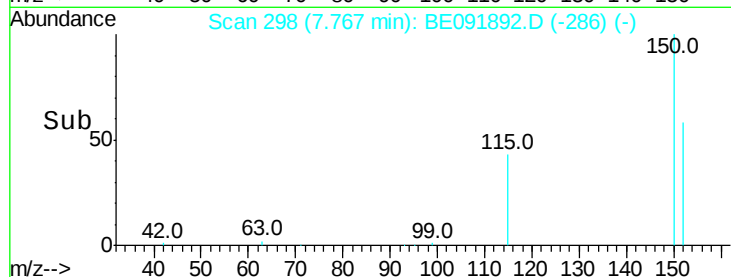
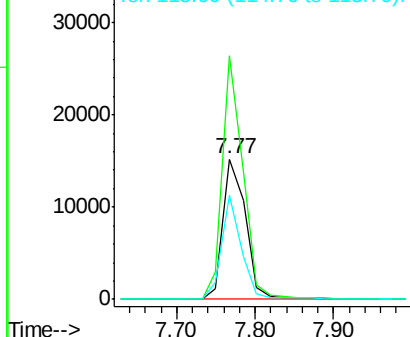
152 100

150 173.3 123.9 185.9

115 74.1 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



#3

n-Nitrosodimethylamine

Concen: 0.02 ng

RT: 3.52 min Scan# 54

Delta R.T. -0.09 min

Lab File: BE091892.D

Acq: 8 Jun 2016 1:21

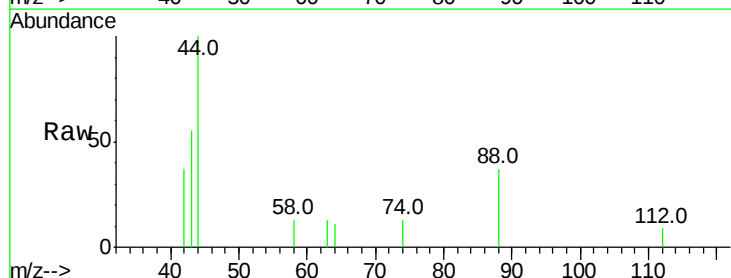
Tgt Ion: 42 Resp: 120

Ion Ratio Lower Upper

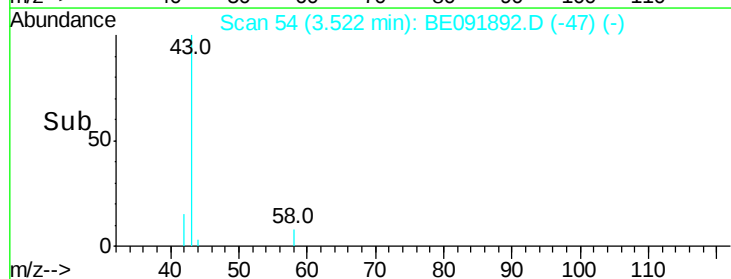
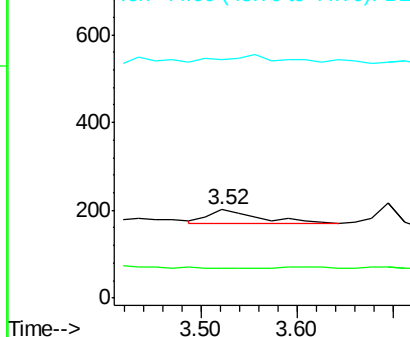
42 100

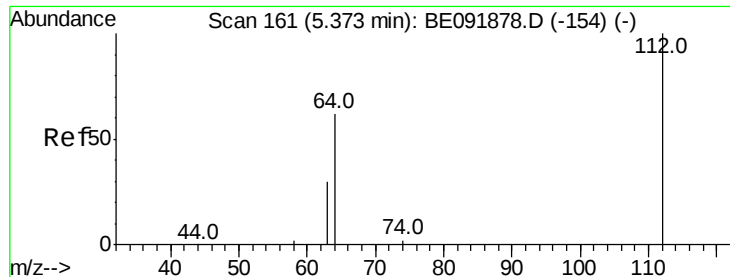
74 0.0 93.4 140.0#

44 0.0 5.0 7.6#



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: 2.37 ng

RT: 5.37 min Scan# 161

Delta R.T. -0.00 min

Lab File: BE091892.D

Acq: 8 Jun 2016 1:21

Instrument :

BNA_E

ClientSampleId :

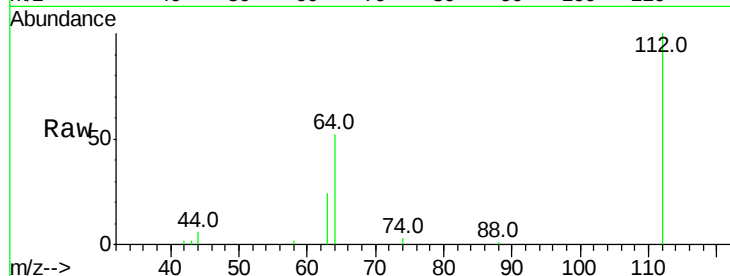
Tot Ion:112 Resp: 15207

Ion Ratio Lower Upper

112 100

64 66.6 53.7 80.5

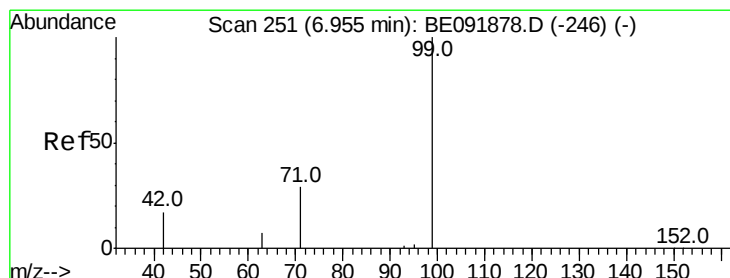
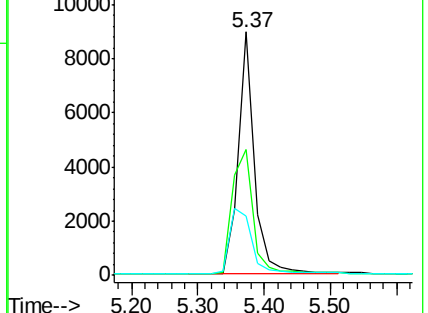
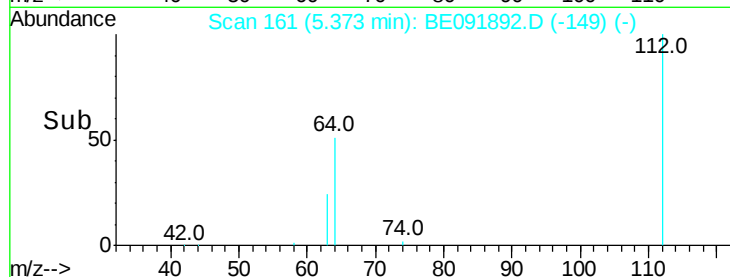
63 35.9 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 1.40 ng

RT: 6.94 min Scan# 250

Delta R.T. -0.02 min

Lab File: BE091892.D

Acq: 8 Jun 2016 1:21

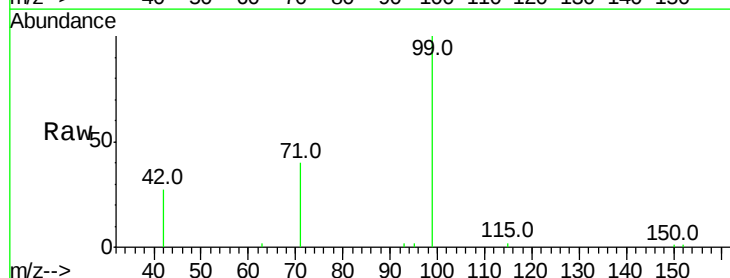
Tgt Ion: 99 Resp: 11160

Ion Ratio Lower Upper

99 100

42 23.7 19.6 29.4

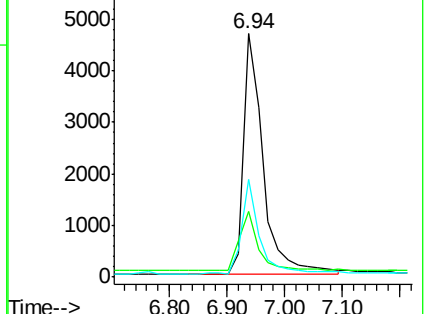
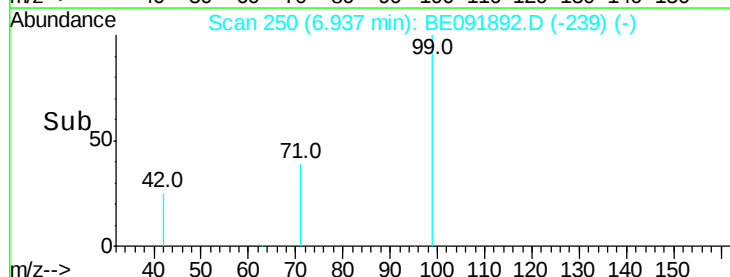
71 35.5 28.1 42.1

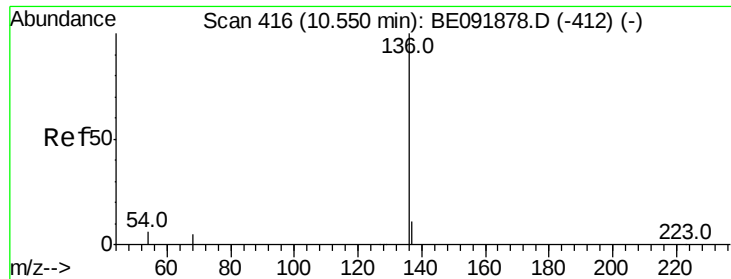


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 416

Delta R.T. -0.00 min

Lab File: BE091892.D

Acq: 8 Jun 2016 1:21

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 133993

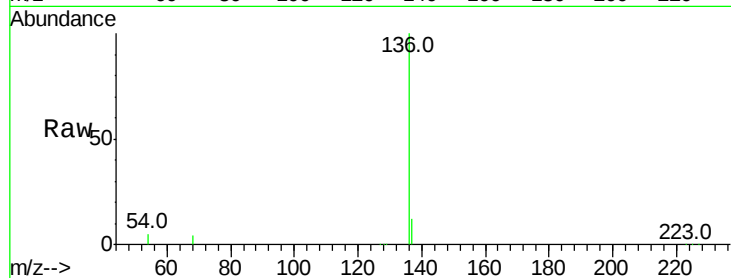
Ion Ratio Lower Upper

136 100

137 11.6 8.3 12.5

54 5.1 8.2 12.4#

68 4.2 5.9 8.9#

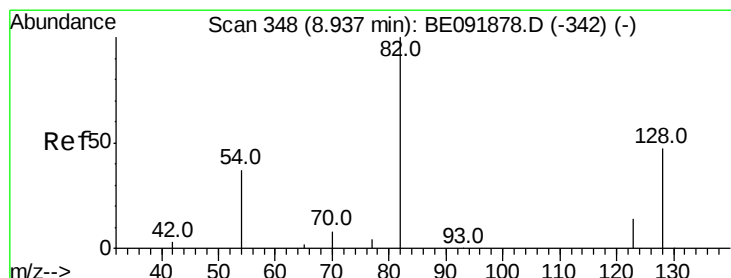
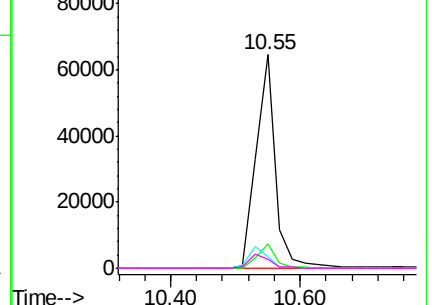
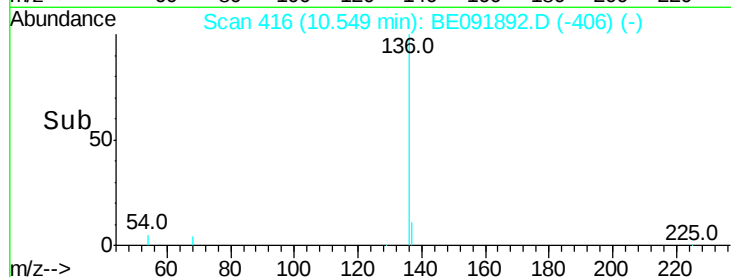


Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.85 ng

RT: 8.91 min Scan# 347

Delta R.T. -0.02 min

Lab File: BE091892.D

Acq: 8 Jun 2016 1:21

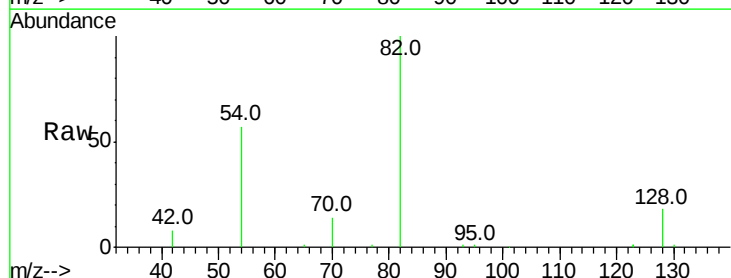
Tgt Ion: 82 Resp: 28629

Ion Ratio Lower Upper

82 100

128 17.7 39.5 59.3#

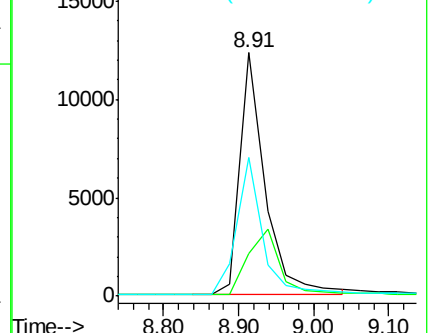
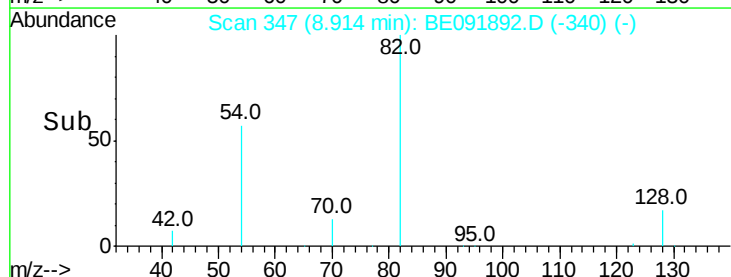
54 57.1 30.3 45.5#

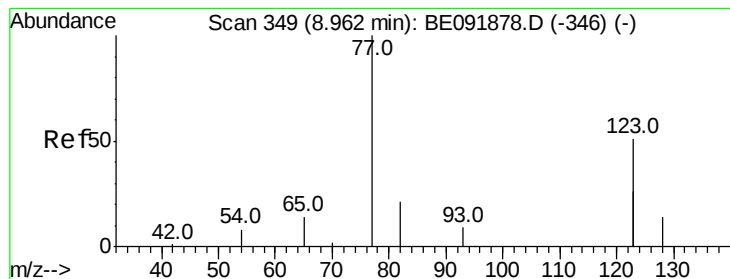


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: 8.91 min Scan# 347

Delta R.T. -0.05 min

Lab File: BE091892.D

Acq: 8 Jun 2016 1:21

Instrument :

BNA_E

ClientSampleId :

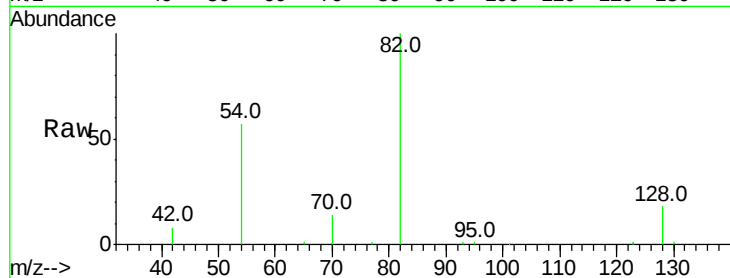
Tot Ion: 77 Resp: 92

Ion Ratio Lower Upper

77 100

123 0.0 0.0 0.0

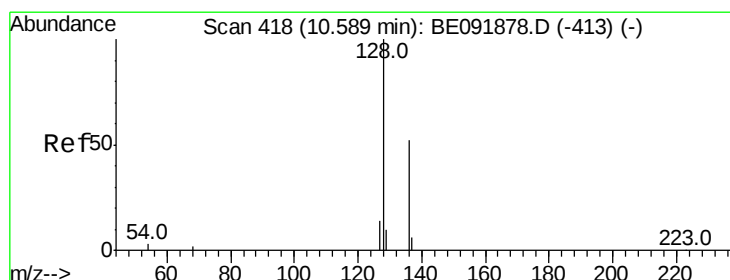
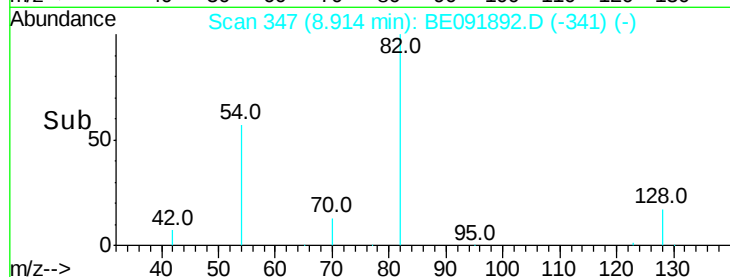
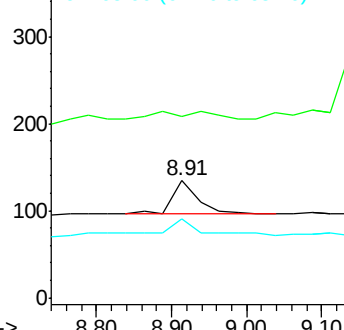
65 59.8 11.1 16.7#



Abundance Ion 77.00 (76.70 to 77.70): BE091878.D (-346) (-)

Ion 123.00 (122.70 to 123.70): BE091878.D (-346) (-)

Ion 65.00 (64.70 to 65.70): BE091878.D (-346) (-)



#12

Naphthalene

Concen: 0.05 ng

RT: 10.59 min Scan# 418

Delta R.T. -0.00 min

Lab File: BE091892.D

Acq: 8 Jun 2016 1:21

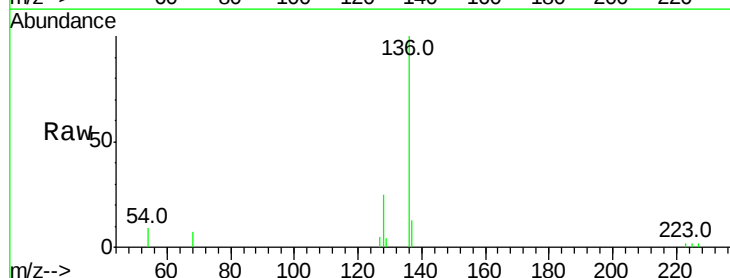
Tgt Ion: 128 Resp: 1357

Ion Ratio Lower Upper

128 100

129 18.1 10.4 15.6#

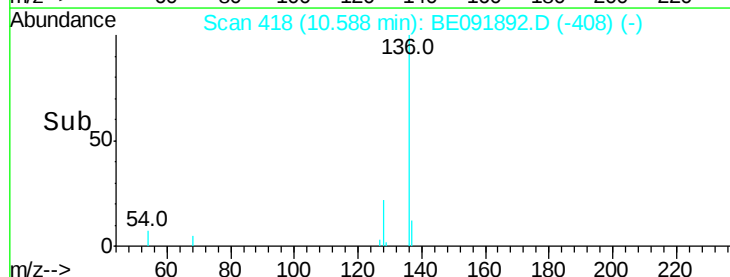
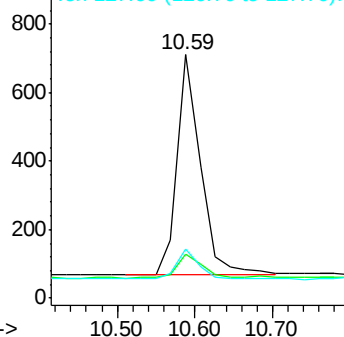
127 20.3 10.2 15.2#

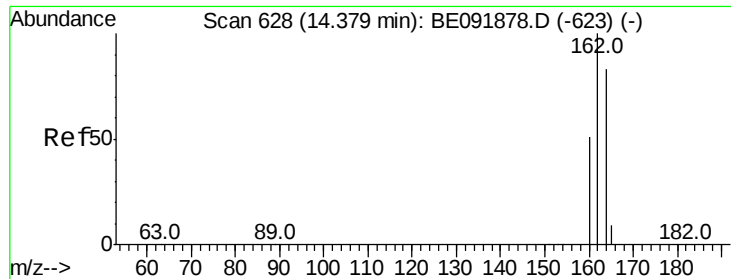


Abundance Ion 128.00 (127.70 to 128.70): BE091878.D (-413) (-)

Ion 129.00 (128.70 to 129.70): BE091878.D (-413) (-)

Ion 127.00 (126.70 to 127.70): BE091878.D (-413) (-)

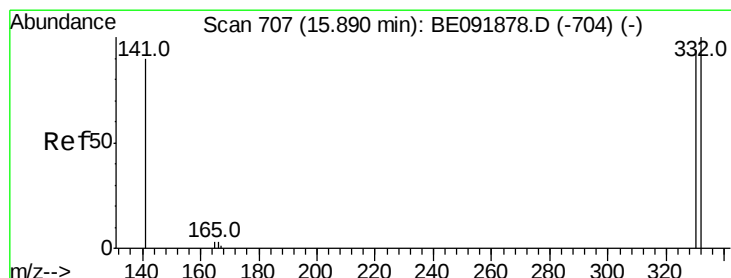
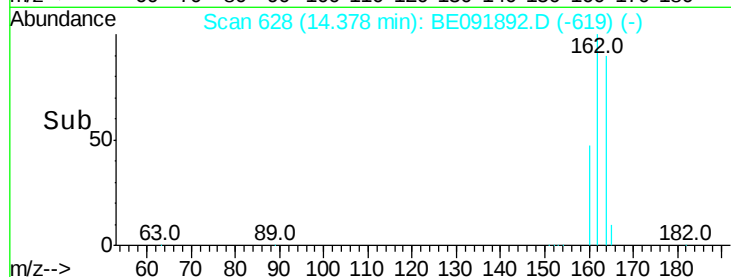
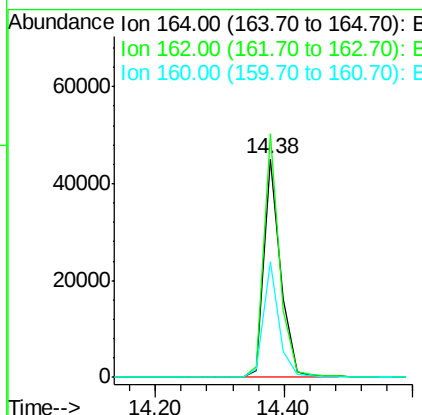
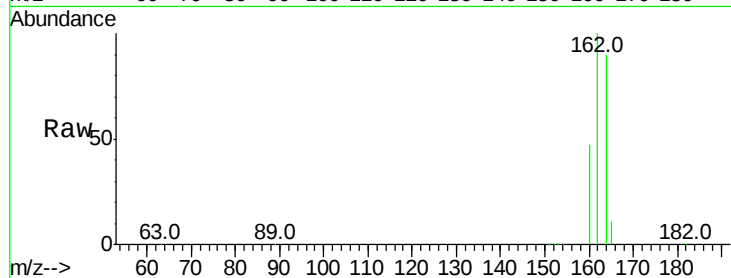




#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.38 min Scan# 628
Delta R.T. -0.00 min
Lab File: BE091892.D
Acq: 8 Jun 2016 1:21

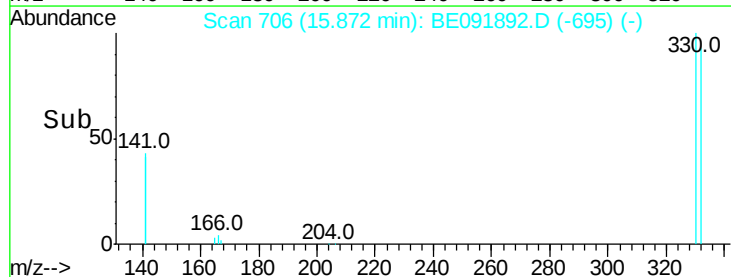
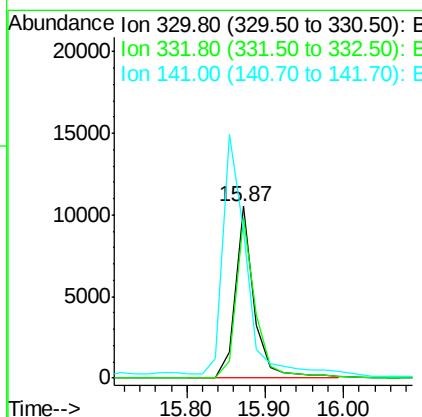
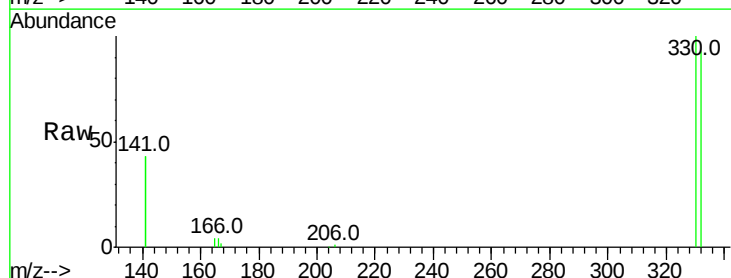
Instrument :
BNA_E
ClientSampleId :

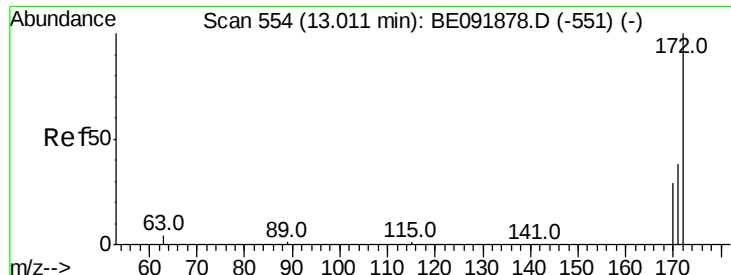
Tot Ion:164 Resp: 81737
Ion Ratio Lower Upper
164 100
162 111.4 71.8 107.8#
160 52.9 28.0 42.0#



#16
2,4,6-Tribromophenol
Concen: 7.43 ng
RT: 15.87 min Scan# 706
Delta R.T. -0.02 min
Lab File: BE091892.D
Acq: 8 Jun 2016 1:21

Tgt Ion:330 Resp: 17311
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.6
141 166.1 138.4 207.6

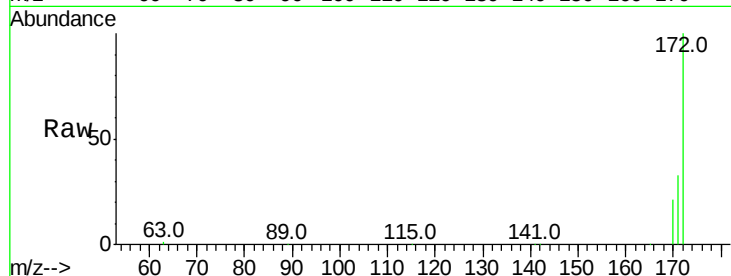




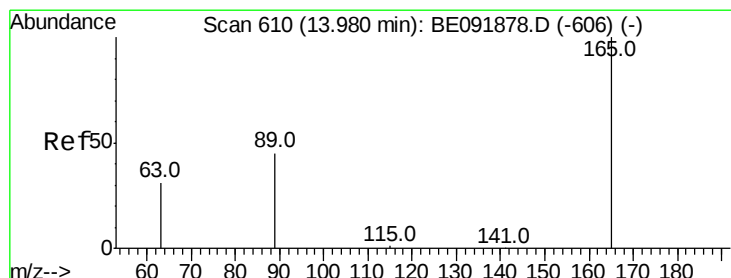
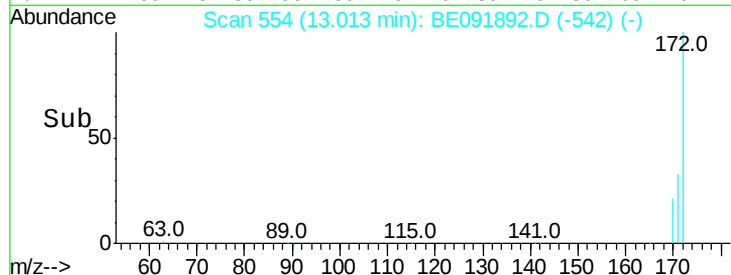
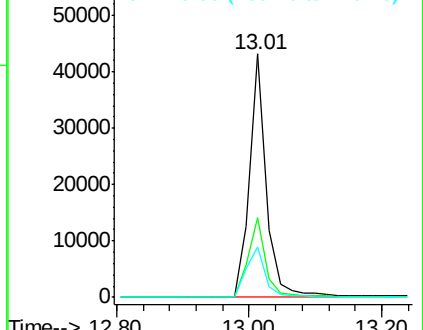
#17
2-Fluorobiphenyl
Concen: 3.07 ng
RT: 13.01 min Scan# 554
Delta R.T. 0.00 min
Lab File: BE091892.D
Acq: 8 Jun 2016 1:21

Instrument :
BNA_E
ClientSampled :

Tot Ion:172 Resp: 76236
Ion Ratio Lower Upper
172 100
171 32.7 24.3 36.5
170 20.9 14.9 22.3

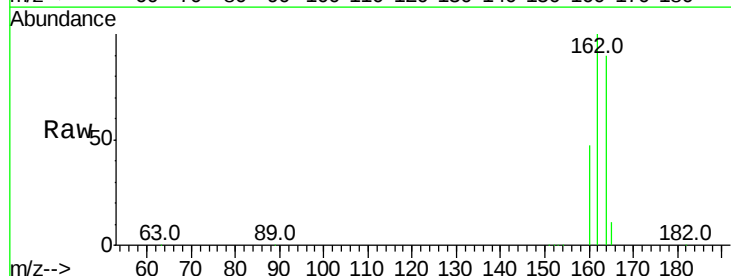


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

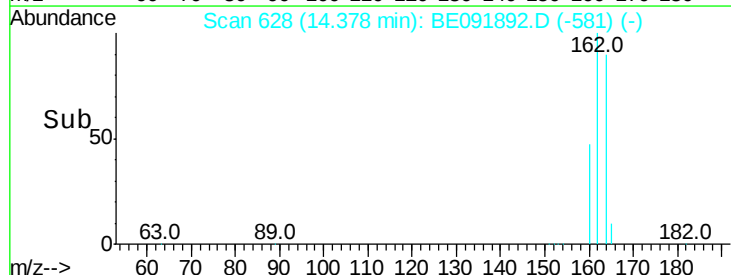
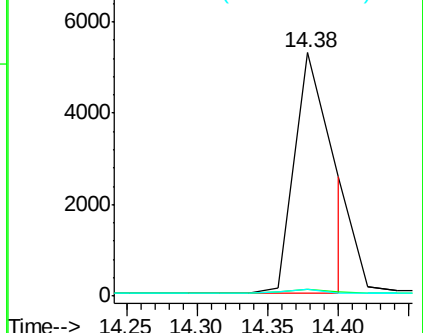


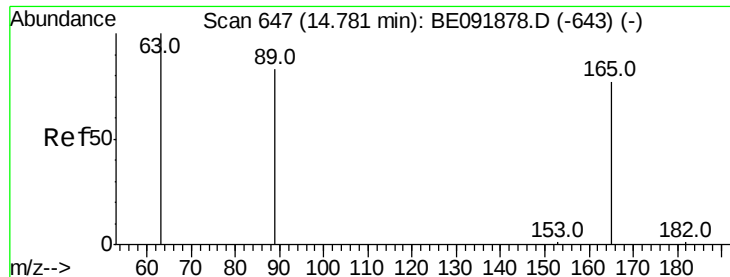
#19
2,6-Dinitrotoluene
Concen: 1.89 ng
RT: 14.38 min Scan# 628
Delta R.T. 0.40 min
Lab File: BE091892.D
Acq: 8 Jun 2016 1:21

Tgt Ion:165 Resp: 10035
Ion Ratio Lower Upper
165 100
63 1.8 65.9 98.9#
89 2.1 59.1 88.7#



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

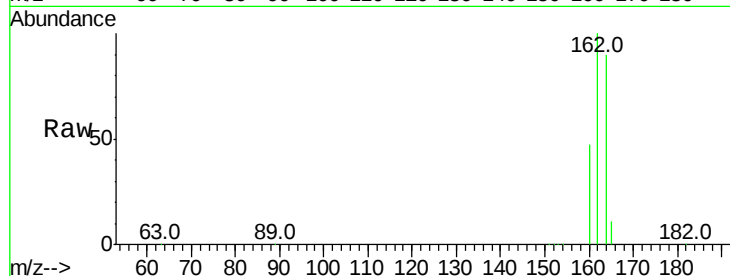




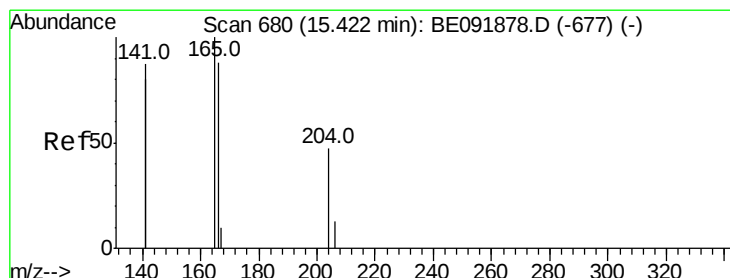
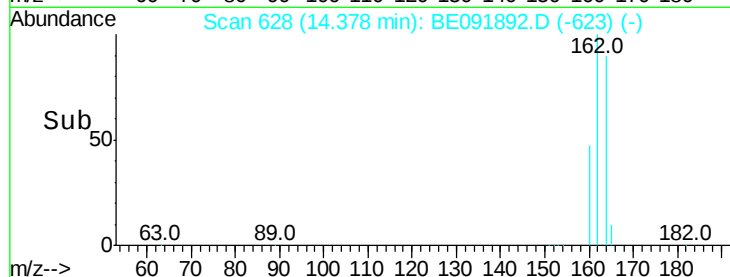
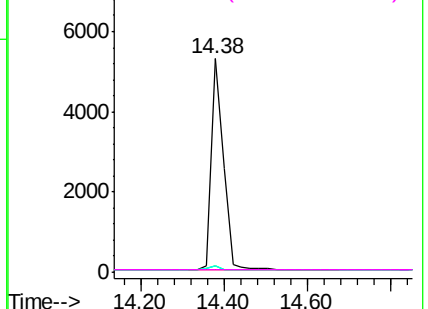
#21
2,4-Dinitrotoluene
Concen: 1.77 ng
RT: 14.38 min Scan# 628
Delta R.T. -0.40 min
Lab File: BE091892.D
Acq: 8 Jun 2016 1:21

Instrument :
BNA_E
ClientSampleId :

Tot Ion:165 Resp: 10494
Ion Ratio Lower Upper
165 100
63 1.6 0.0 0.0#
89 1.9 99.8 149.8#
182 0.0 0.0 0.0

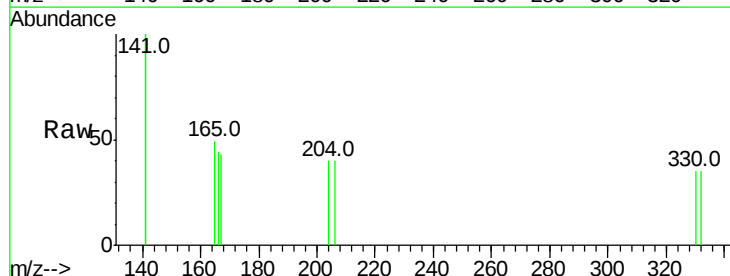


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BE0
Ion 89.00 (88.70 to 89.70): BE0
Ion 182.00 (181.70 to 182.70): E

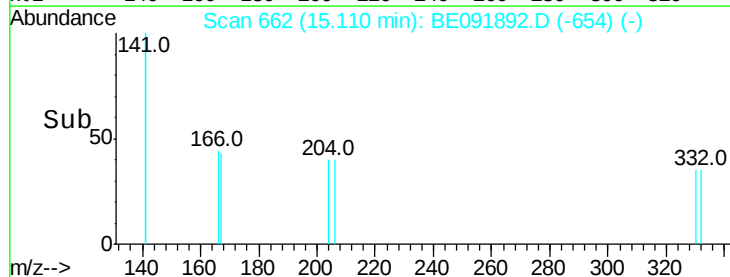
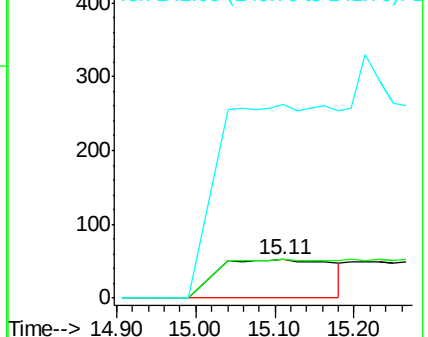


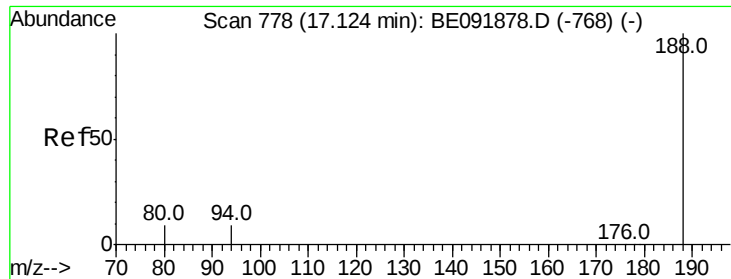
#23
4-Chlorophenyl-phenylether
Concen: 0.04 ng
RT: 15.11 min Scan# 662
Delta R.T. -0.31 min
Lab File: BE091892.D
Acq: 8 Jun 2016 1:21

Tgt Ion:204 Resp: 562
Ion Ratio Lower Upper
204 100
206 83.6 27.8 41.6#
141 375.3 197.6 296.4#



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: 17.12 min Scan# 778

Delta R.T. 0.00 min

Lab File: BE091892.D

Acq: 8 Jun 2016 1:21

Instrument :

BNA_E

ClientSampleId :

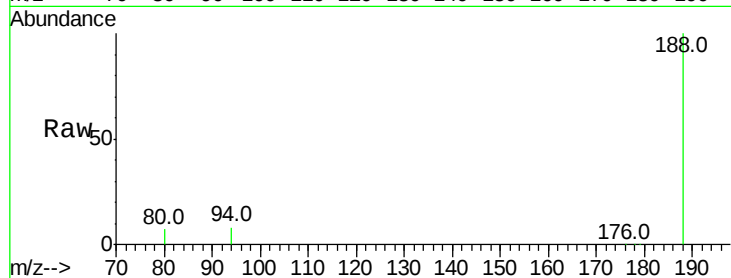
Tot Ion:188 Resp: 251707

Ion Ratio Lower Upper

188 100

94 7.6 4.1 6.1#

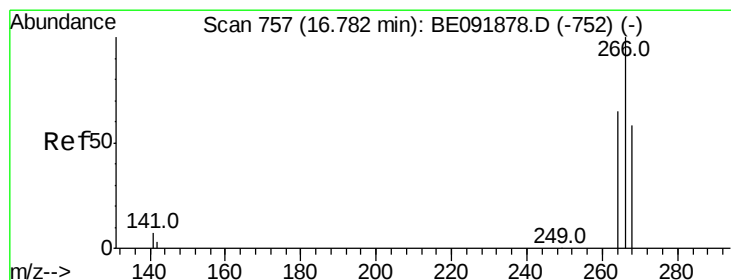
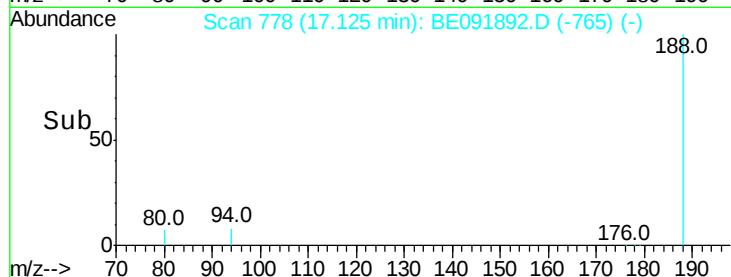
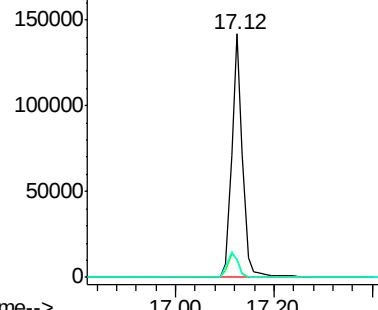
80 7.0 3.4 5.2#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#27

Pentachlorophenol

Concen: 0.06 ng

RT: 16.78 min Scan# 757

Delta R.T. -0.00 min

Lab File: BE091892.D

Acq: 8 Jun 2016 1:21

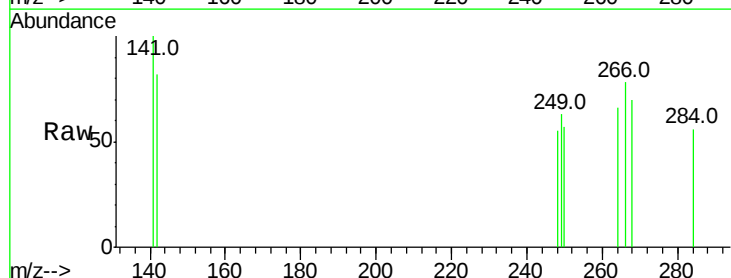
Tgt Ion:266 Resp: 65

Ion Ratio Lower Upper

266 100

268 90.1 60.5 90.7

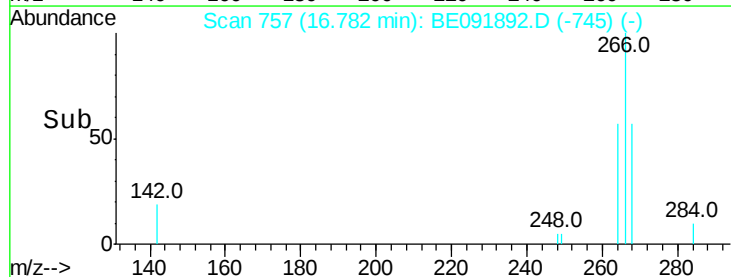
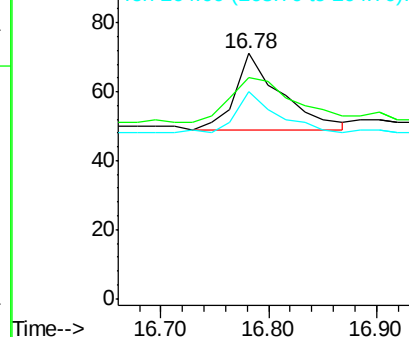
264 84.5 51.0 76.4#

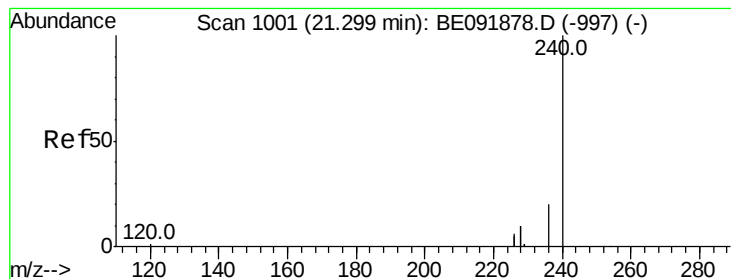


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.30 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BE091892.D

Acq: 8 Jun 2016 1:21

Instrument :

BNA_E

ClientSampleId :

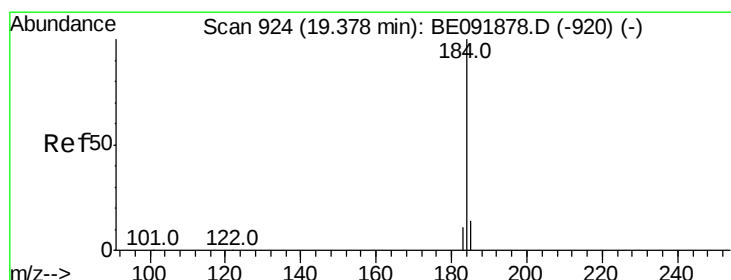
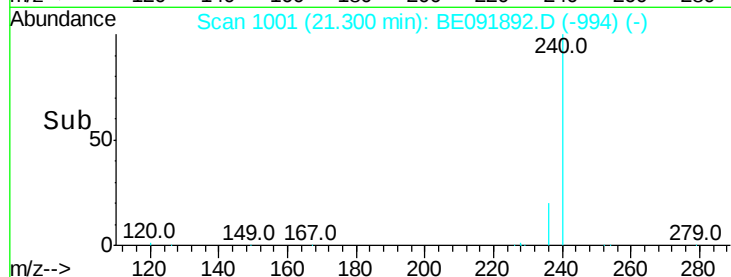
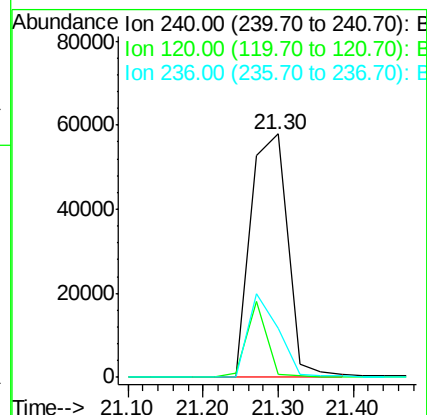
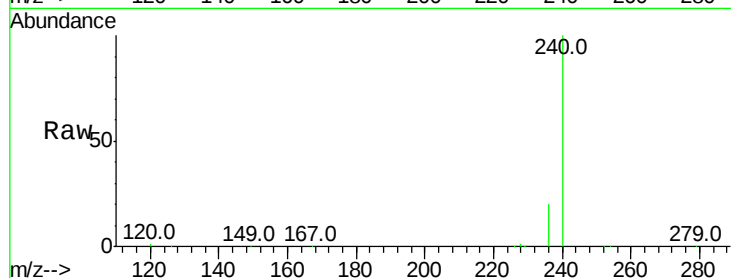
Tot Ion:240 Resp: 196869

Ion Ratio Lower Upper

240 100

120 1.0 1.2 1.8#

236 20.1 19.8 29.8



#32

Benzidine

Concen: 0.27 ng

RT: 19.72 min Scan# 942

Delta R.T. 0.35 min

Lab File: BE091892.D

Acq: 8 Jun 2016 1:21

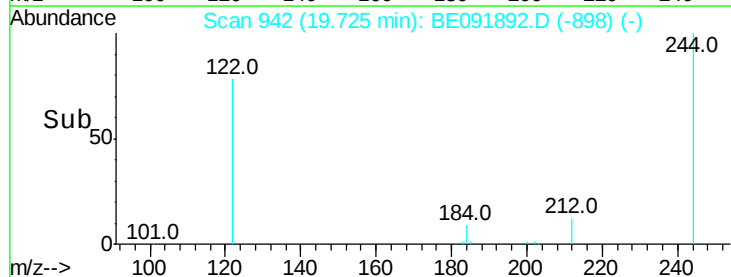
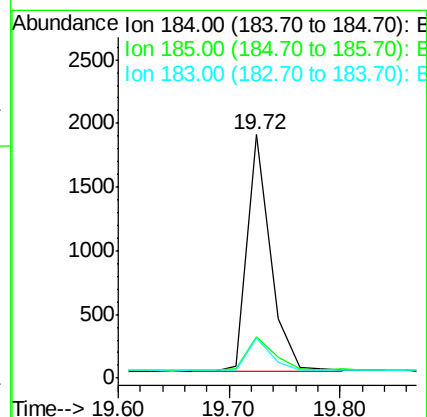
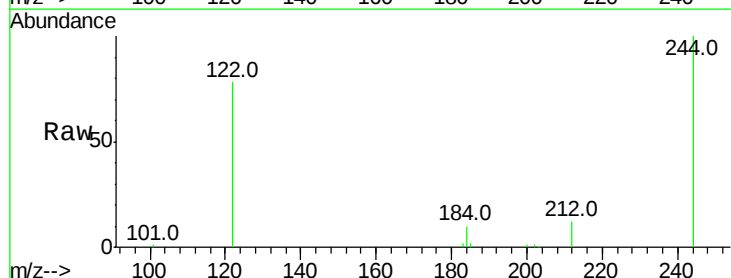
Tgt Ion:184 Resp: 2712

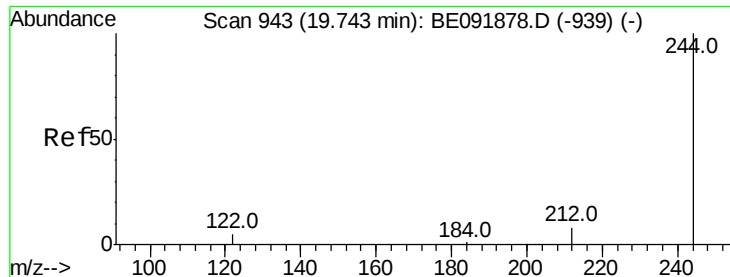
Ion Ratio Lower Upper

184 100

185 17.1 11.4 17.2

183 16.7 11.8 17.6

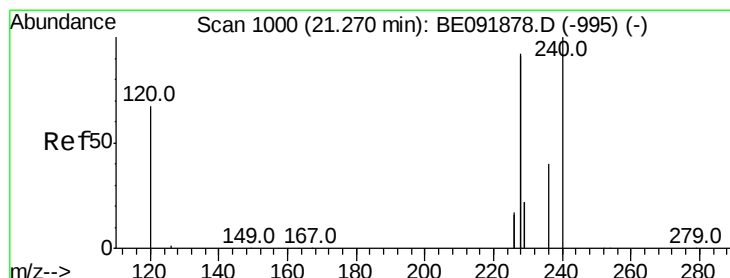
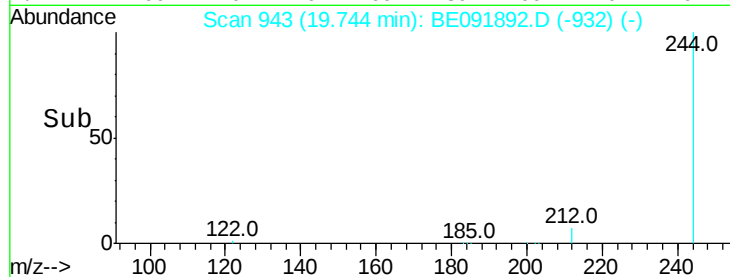
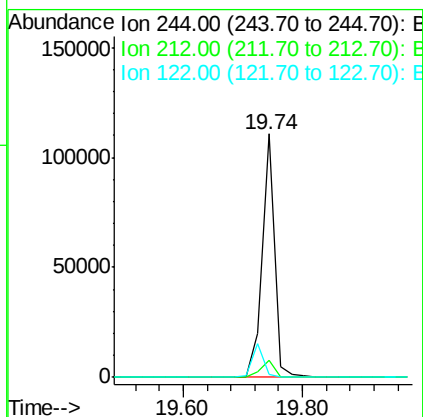
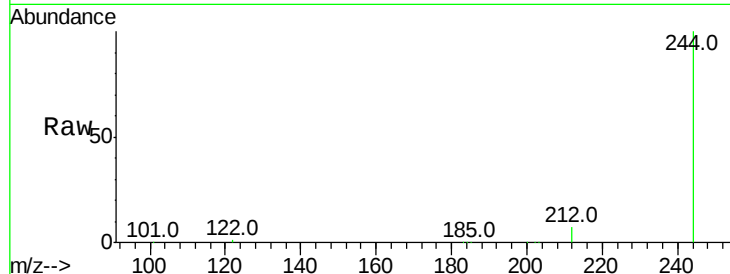




#34
 Terphenyl-d14
 Concen: -5.00 ng
 RT: 19.74 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: BE091892.D
 Acq: 8 Jun 2016 1:21

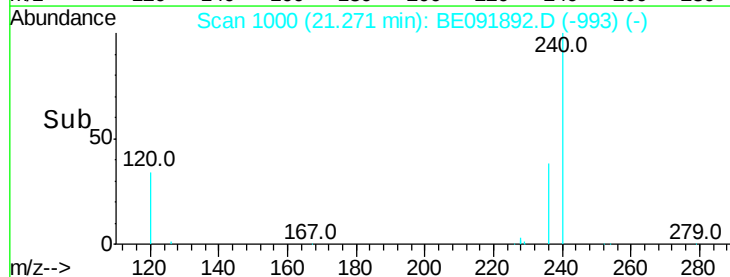
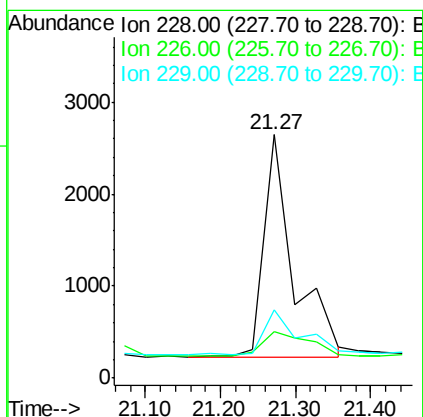
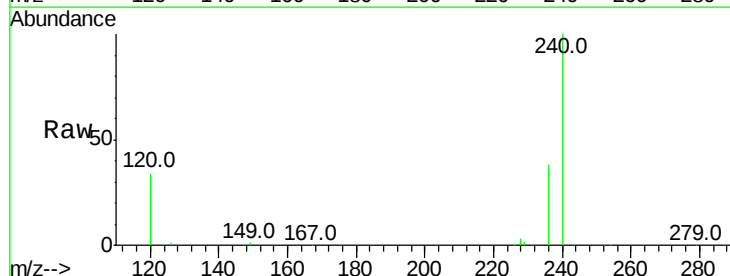
Instrument :
 BNA_E
 ClientSampled :

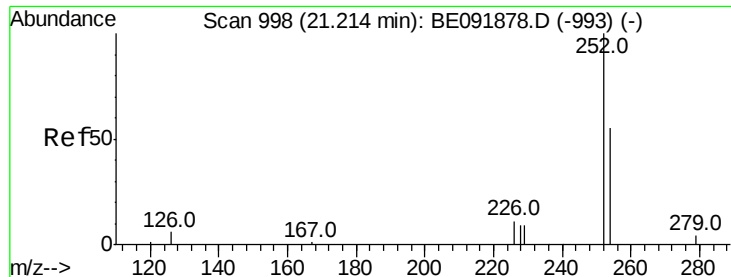
Tot Ion:244 Resp: 159284
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 1.3 2.9 4.3#



#35
 Benzo(a)anthracene
 Concen: Below Cal
 RT: 21.27 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: BE091892.D
 Acq: 8 Jun 2016 1:21

Tgt Ion:228 Resp: 6697
 Ion Ratio Lower Upper
 228 100
 226 19.0 21.0 31.4#
 229 27.9 15.8 23.8#





#36

3,3'-Dichlorobenzidine

Concen: 0.11 ng

RT: 21.30 min Scan# 1001

Delta R.T. 0.09 min

Lab File: BE091892.D

Acq: 8 Jun 2016 1:21

Instrument :

BNA_E

ClientSampleId :

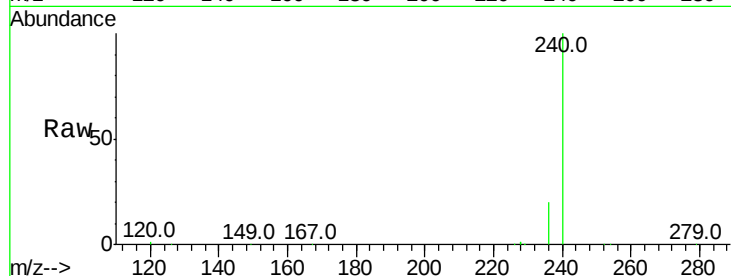
Tot Ion:252 Resp: 80

Ion Ratio Lower Upper

252 100

254 72.7 61.5 92.3

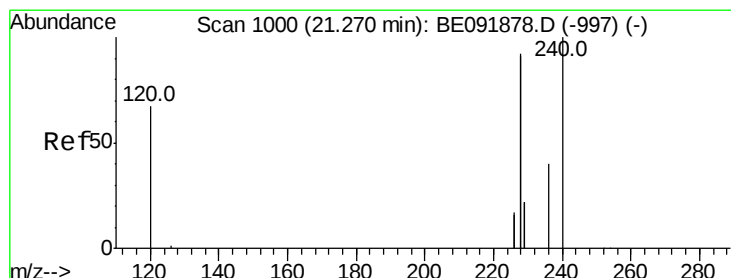
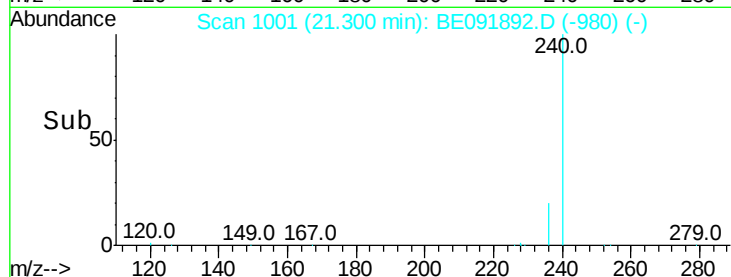
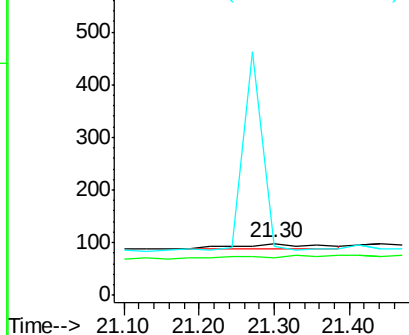
126 94.9 2.5 3.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#37

Chrysene

Concen: 0.03 ng

RT: 21.27 min Scan# 1000

Delta R.T. -0.06 min

Lab File: BE091892.D

Acq: 8 Jun 2016 1:21

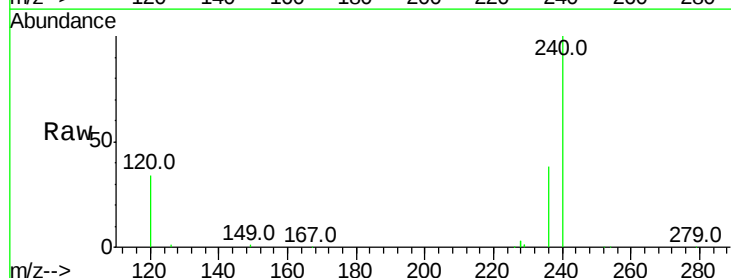
Tgt Ion:228 Resp: 6759

Ion Ratio Lower Upper

228 100

226 19.0 27.0 40.6#

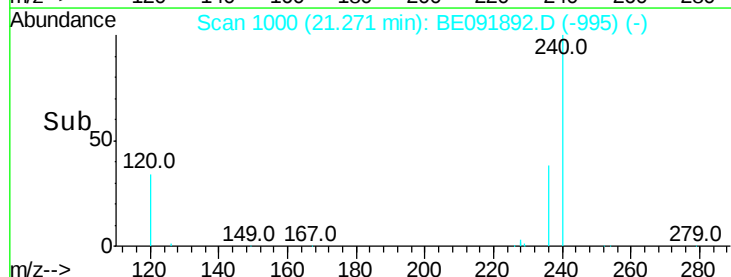
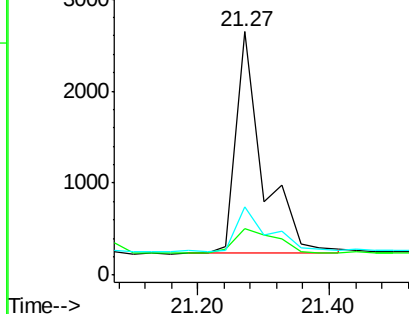
229 27.9 13.8 20.8#

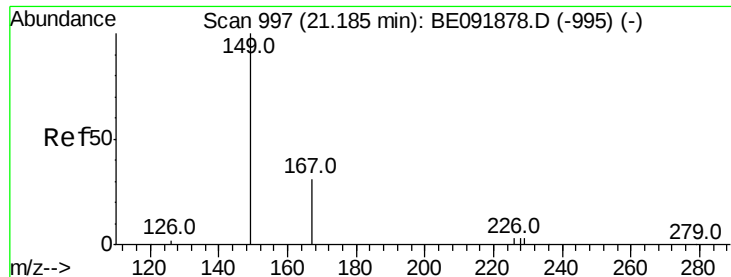


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

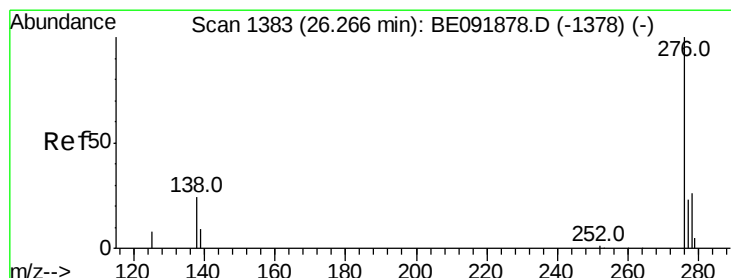
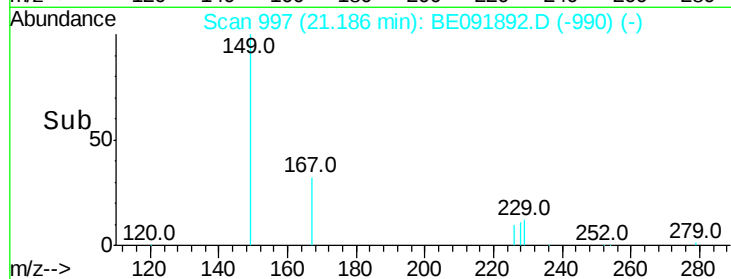
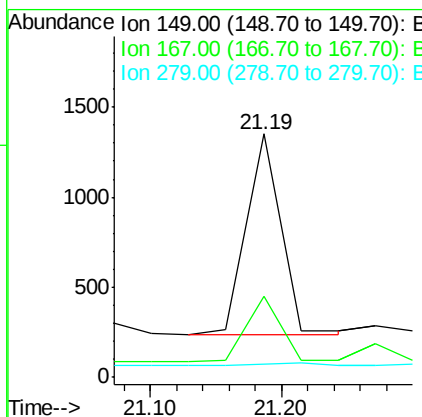
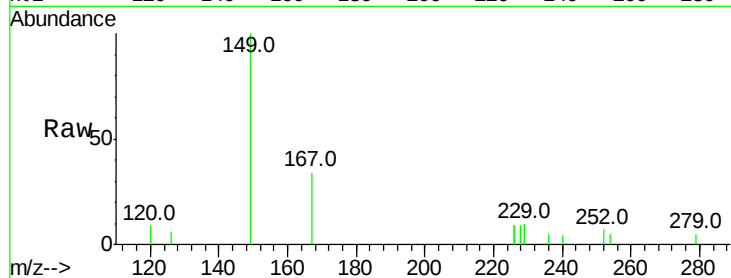




#38
 Bis(2-ethylhexyl)phthalate
 Concen: 0.18 ng
 RT: 21.19 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: BE091892.D
 Acq: 8 Jun 2016 1:21

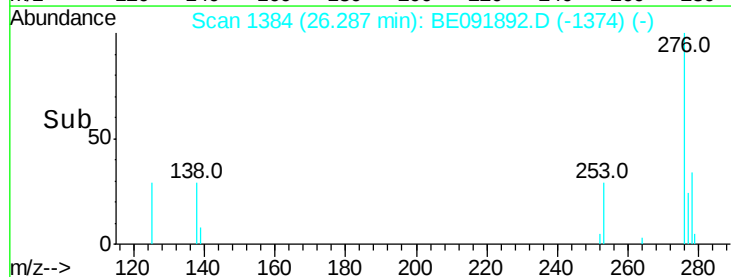
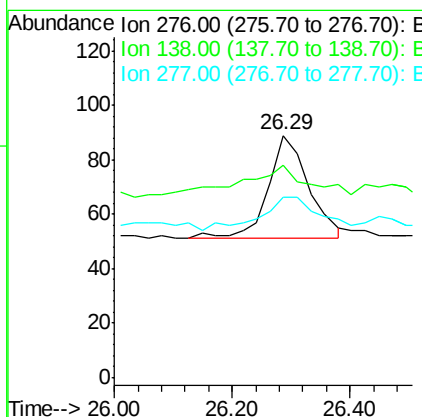
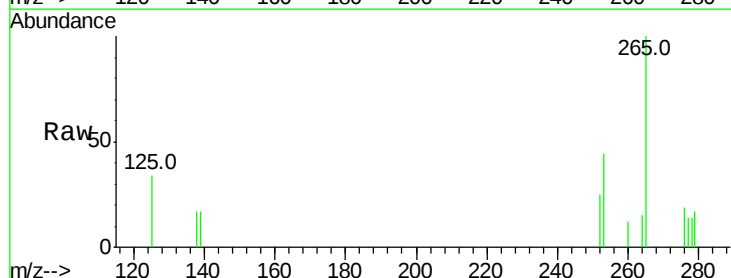
Instrument :
 BNA_E
 ClientSampleId :

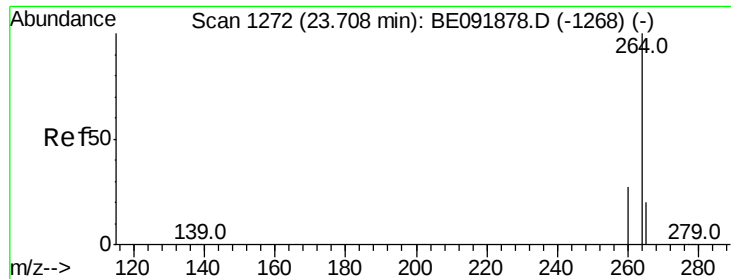
Tot Ion:149 Resp: 2034
 Ion Ratio Lower Upper
 149 100
 167 32.8 0.0 0.0#
 279 0.0 0.0 0.0



#39
 Indeno(1,2,3-cd)pyrene
 Concen: 0.05 ng
 RT: 26.29 min Scan# 1384
 Delta R.T. 0.02 min
 Lab File: BE091892.D
 Acq: 8 Jun 2016 1:21

Tgt Ion:276 Resp: 182
 Ion Ratio Lower Upper
 276 100
 138 31.9 19.7 29.5#
 277 45.1 20.1 30.1#

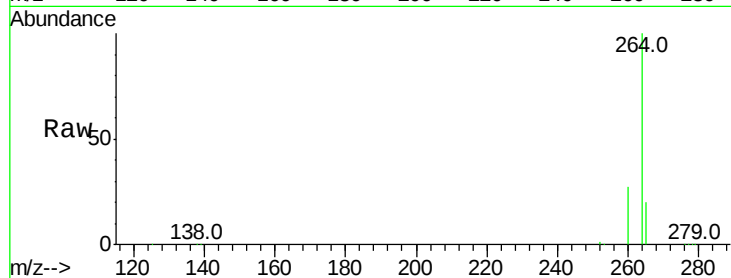




#40
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.71 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: BE091892.D
 Acq: 8 Jun 2016 1:21

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.4	20.3	30.5
265	19.9	17.6	26.4



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

