

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060716\
 Data File : BE091890.D
 Acq On : 8 Jun 2016 00:03
 Operator : UM/SJ
 Sample : H3357-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 08 07:18:12 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	32610	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	150586	5.00	ng	0.00
15) Acenaphthene-d10	14.38	164	94343	5.00	ng	0.00
24) Phenanthrene-d10	17.13	188	291329	5.00	ng	0.00
31) Chrysene-d12	21.30	240	245299	5.00	ng	0.00
40) Perylene-d12	23.73	264	287715	5.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	13184	1.90	ng	0.00
5) Phenol-d6	6.94	99	10326	1.20	ng	-0.02
9) Nitrobenzene-d5	8.91	82	29909	2.65	ng	-0.02
16) 2,4,6-Tribromophenol	15.87	330	21766	8.10	ng	-0.02
17) 2-Fluorobiphenyl	13.01	172	88000	3.07	ng	0.00
34) Terphenyl-d14	19.74	244	182169	-5.00	ng	0.00

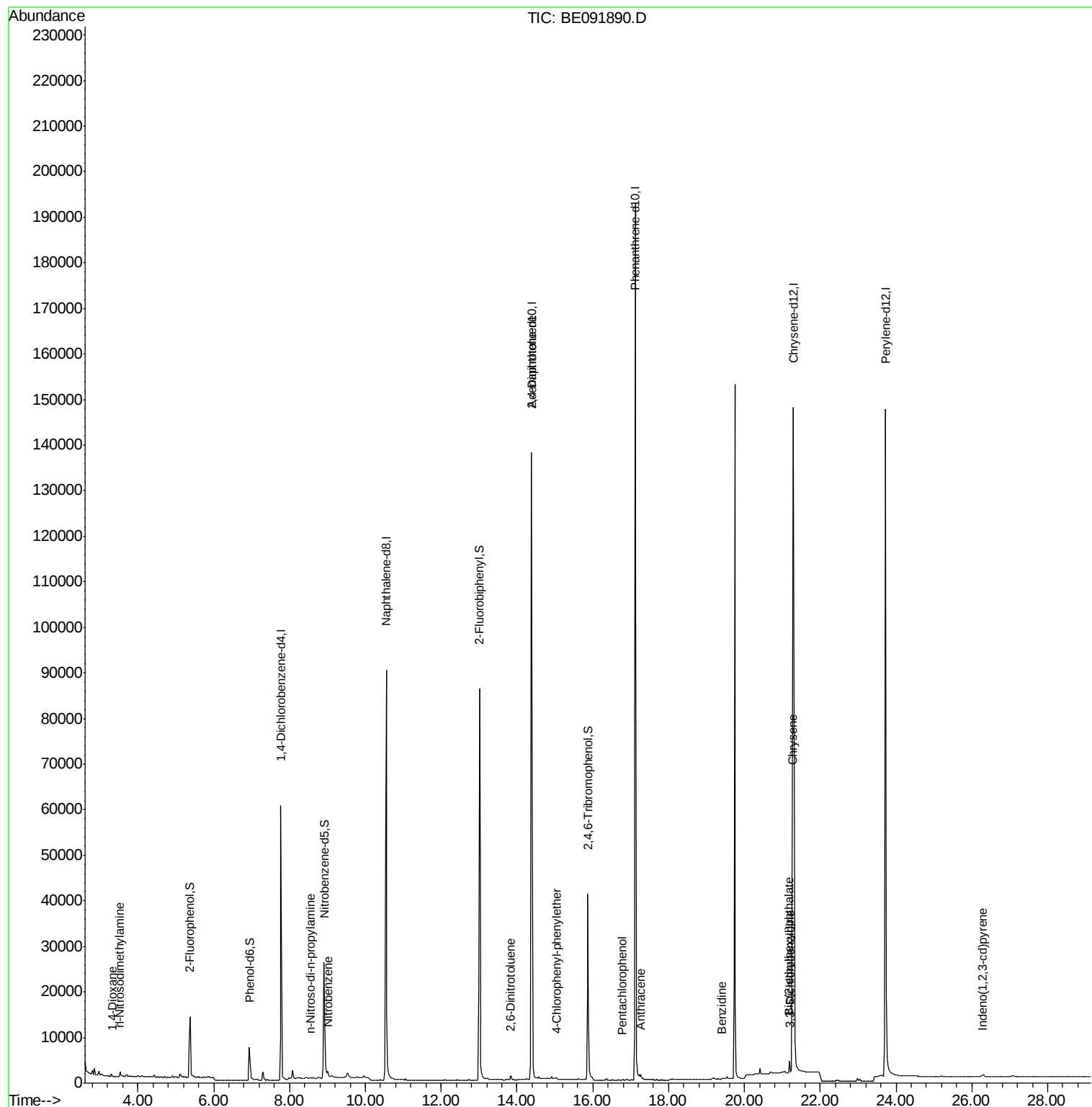
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	498	0.05	ng	# 78
3) n-Nitrosodimethylamine	3.52	42	308	0.06	ng	# 1
7) n-Nitroso-di-n-propylamine	8.56	70	390	0.05	ng	# 19
10) Nitrobenzene	9.01	77	49	0.06	ng	# 1
19) 2,6-Dinitrotoluene	13.84	165	598	0.23	ng	# 2
21) 2,4-Dinitrotoluene	14.38	165	12049	1.76	ng	# 1
23) 4-Chlorophenyl-phenylether	15.04	204	596	0.04	ng	# 70
27) Pentachlorophenol	16.78	266	264	0.12	ng	# 94
29) Anthracene	17.26	178	1433	0.02	ng	# 92
32) Benzidine	19.40	184	145	0.11	ng	# 1
35) Benzo(a)anthracene	21.27	228	8727	Below Cal		# 89
36) 3,3'-Dichlorobenzidine	21.21	252	323	0.12	ng	# 85
37) Chrysene	21.27	228	8733	0.03	ng	# 81
38) Bis(2-ethylhexyl)phthalate	21.18	149	3608	0.20	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.29	276	568	0.05	ng	# 94

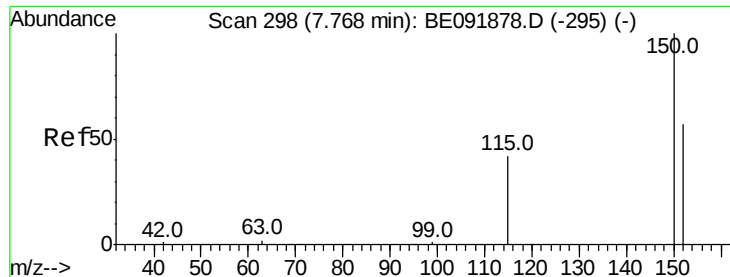
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091890.D

Acq: 8 Jun 2016 00:03

Instrument :

BNA_E

ClientSampleId :

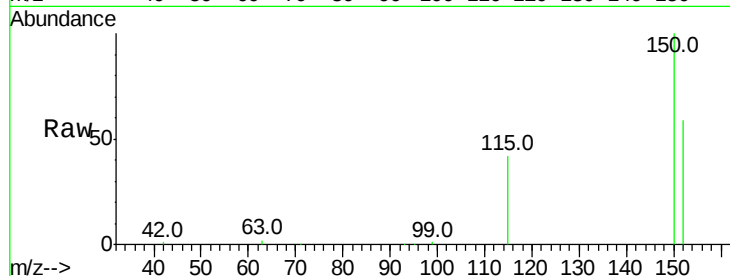
Tot Ion:152 Resp: 32610

Ion Ratio Lower Upper

152 100

150 170.4 123.9 185.9

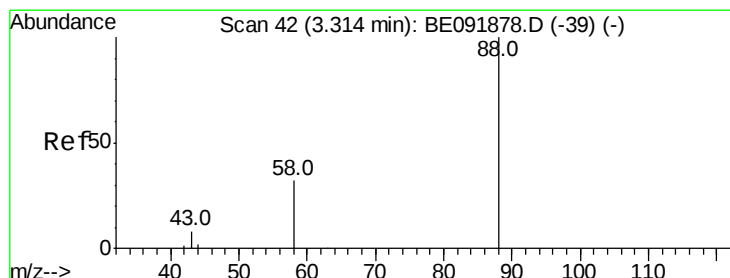
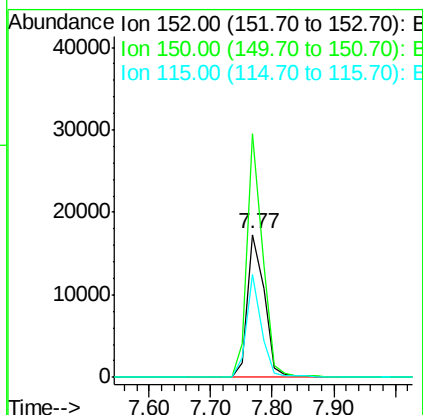
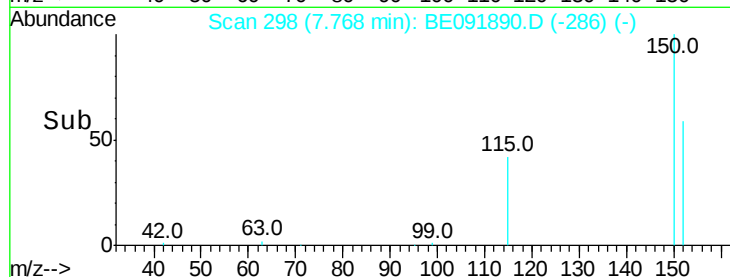
115 71.6 48.3 72.5



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



#2

1,4-Dioxane

Concen: 0.05 ng

RT: 3.31 min Scan# 42

Delta R.T. 0.00 min

Lab File: BE091890.D

Acq: 8 Jun 2016 00:03

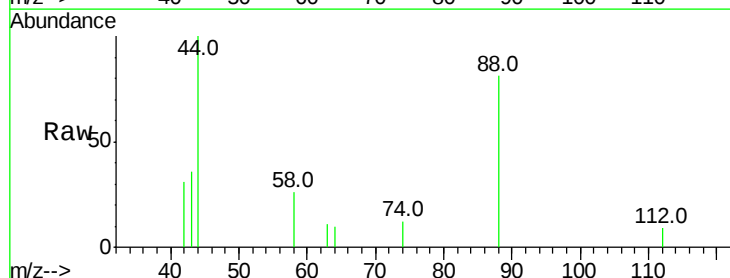
Tgt Ion: 88 Resp: 498

Ion Ratio Lower Upper

88 100

58 64.7 63.0 94.4

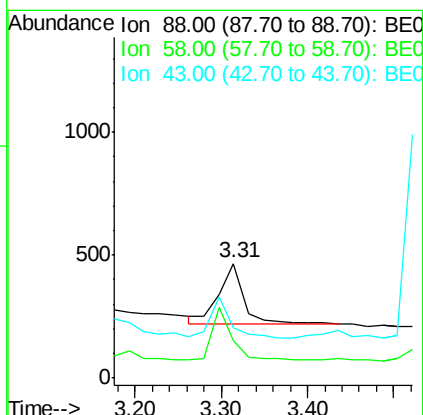
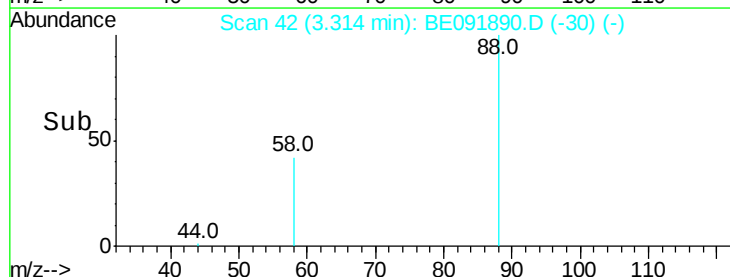
43 56.8 29.1 43.7#

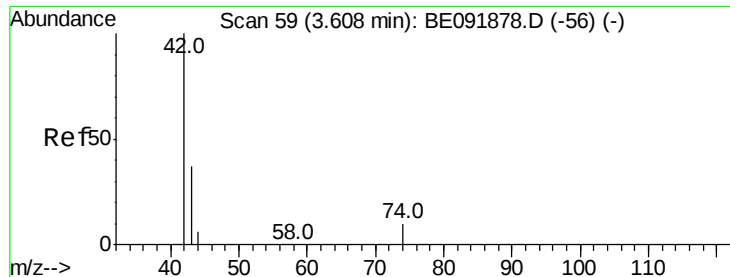


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.06 ng

RT: 3.52 min Scan# 54

Delta R.T. -0.09 min

Lab File: BE091890.D

Acq: 8 Jun 2016 00:03

Instrument :

BNA_E

ClientSampleId :

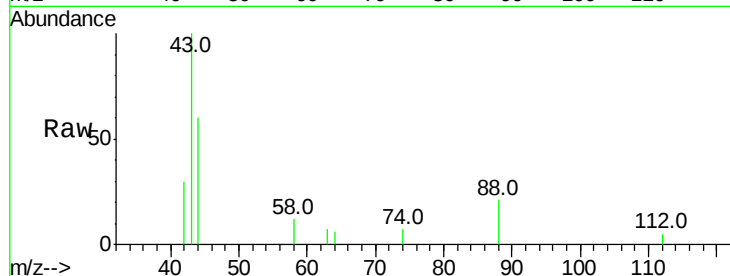
Tot Ion: 42 Resp: 308

Ion Ratio Lower Upper

42 100

74 4.9 93.4 140.0#

44 100.6 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

800

600

400

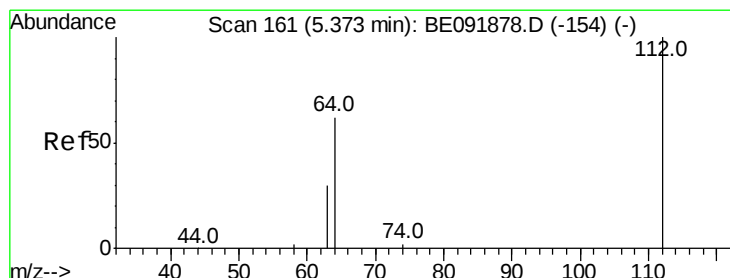
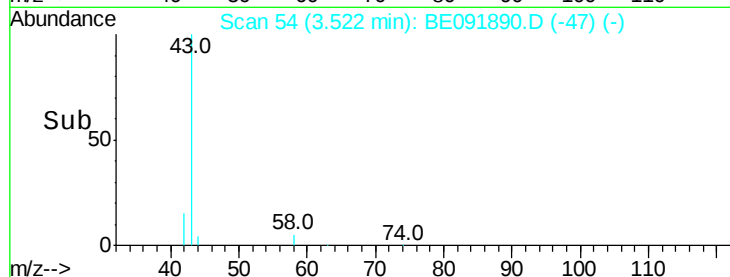
200

0

3.50

3.60

Time-->



#4

2-Fluorophenol

Concen: 1.90 ng

RT: 5.37 min Scan# 161

Delta R.T. -0.00 min

Lab File: BE091890.D

Acq: 8 Jun 2016 00:03

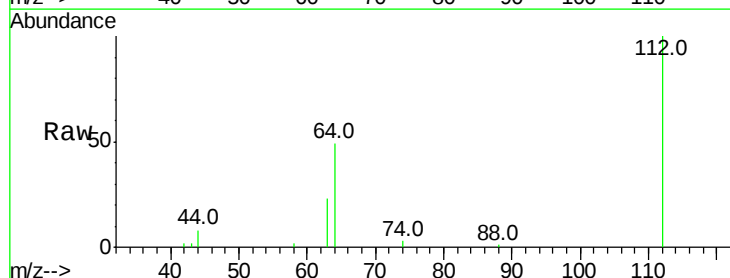
Tgt Ion: 112 Resp: 13184

Ion Ratio Lower Upper

112 100

64 66.1 53.7 80.5

63 36.1 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

10000

8000

6000

4000

2000

0

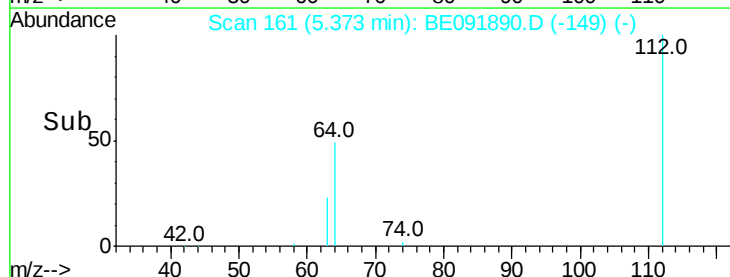
5.20

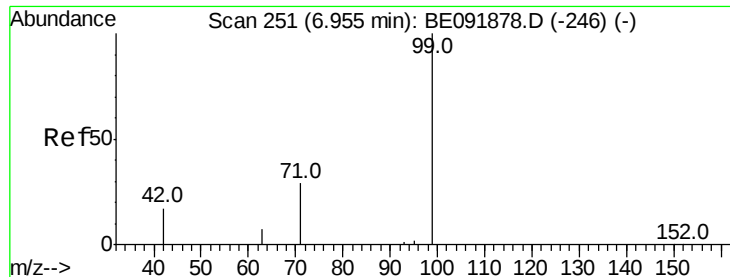
5.30

5.40

5.50

Time-->





#5

Phenol-d6

Concen: 1.20 ng

RT: 6.94 min Scan# 250

Delta R.T. -0.02 min

Lab File: BE091890.D

Acq: 8 Jun 2016 00:03

Instrument :

BNA_E

ClientSampleId :

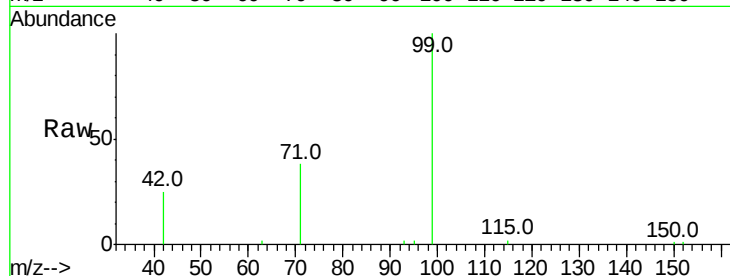
Tot Ion: 99 Resp: 10326

Ion Ratio Lower Upper

99 100

42 24.0 19.6 29.4

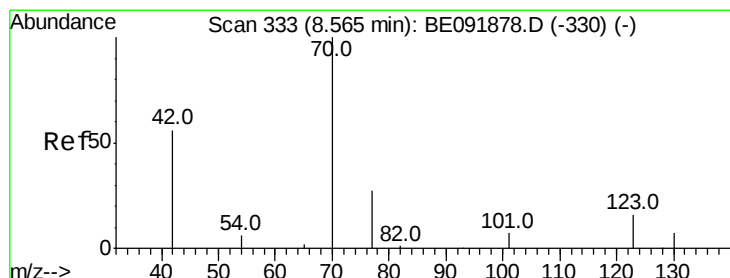
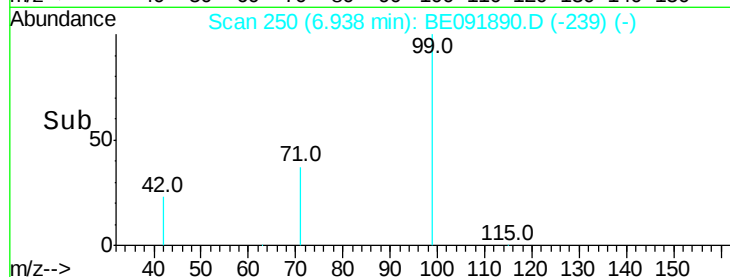
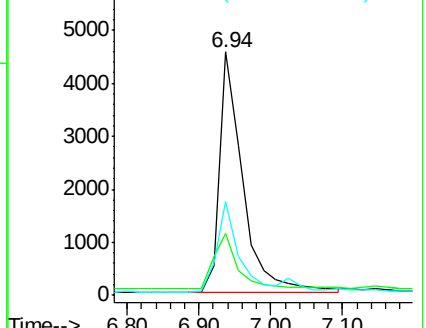
71 35.1 28.1 42.1



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: 0.05 ng

RT: 8.56 min Scan# 333

Delta R.T. -0.00 min

Lab File: BE091890.D

Acq: 8 Jun 2016 00:03

Tgt Ion: 70 Resp: 390

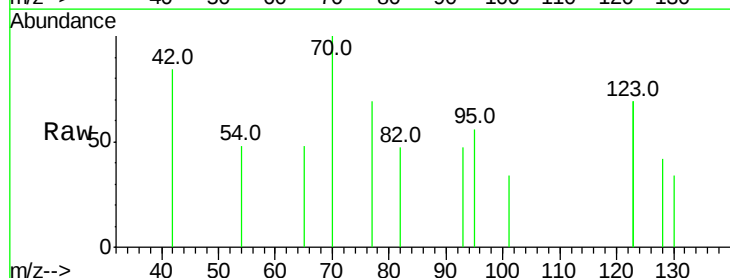
Ion Ratio Lower Upper

70 100

42 0.0 58.4 87.6#

101 0.0 6.4 9.6#

130 0.0 0.0 0.0

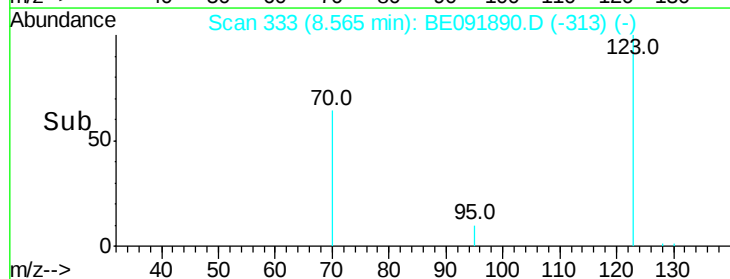
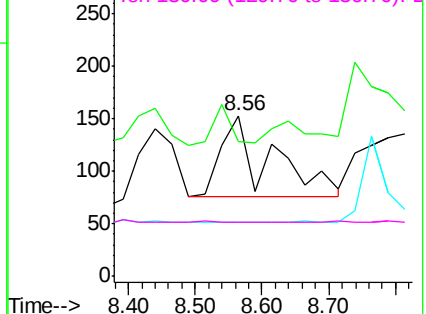


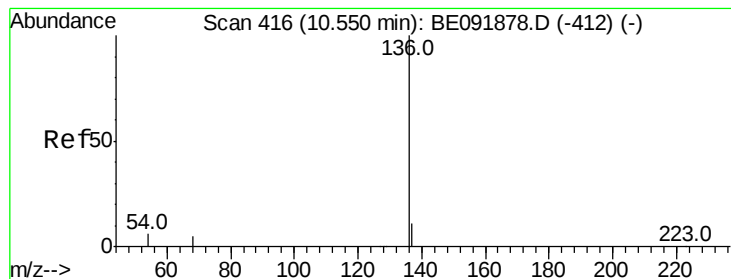
Abundance Ion 70.00 (69.70 to 70.70): BE0

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: 10.55 min Scan# 416

Delta R.T. 0.00 min

Lab File: BE091890.D

Acq: 8 Jun 2016 00:03

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 150586

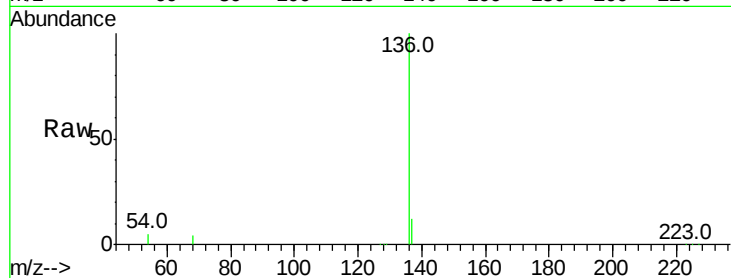
Ion Ratio Lower Upper

136 100

137 11.7 8.3 12.5

54 5.1 8.2 12.4#

68 4.2 5.9 8.9#

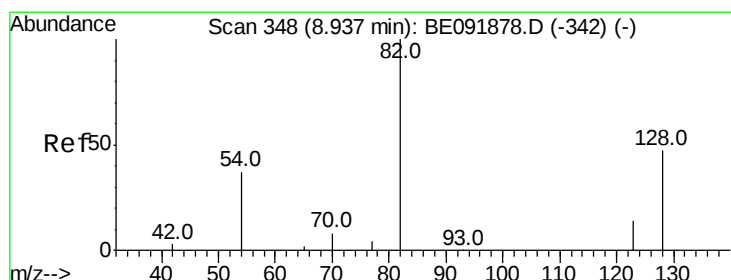
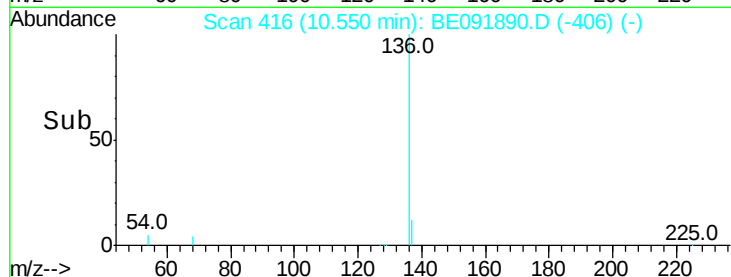
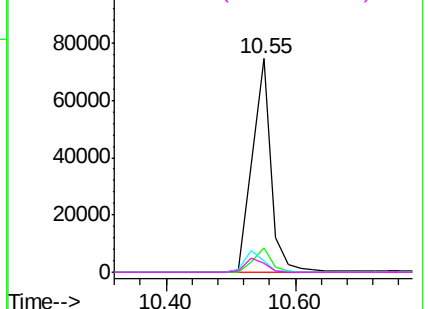


Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.65 ng

RT: 8.91 min Scan# 347

Delta R.T. -0.02 min

Lab File: BE091890.D

Acq: 8 Jun 2016 00:03

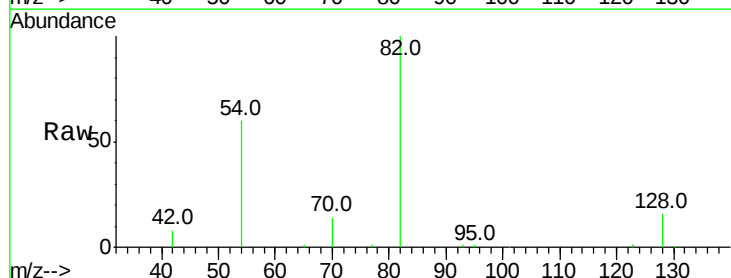
Tgt Ion: 82 Resp: 29909

Ion Ratio Lower Upper

82 100

128 15.7 39.5 59.3#

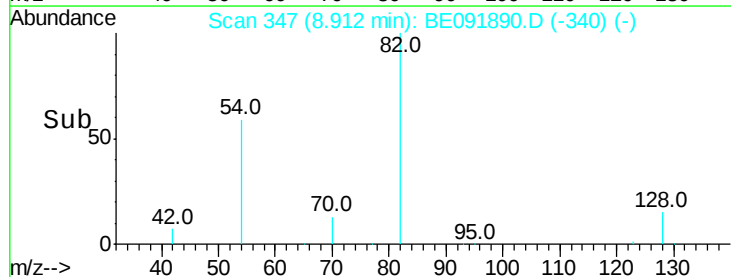
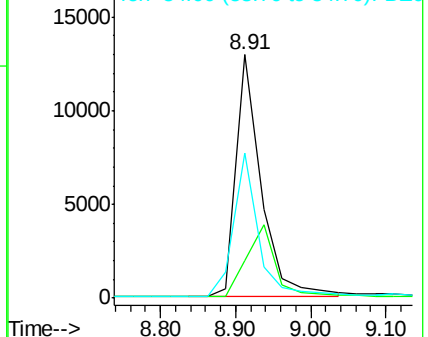
54 59.8 30.3 45.5#

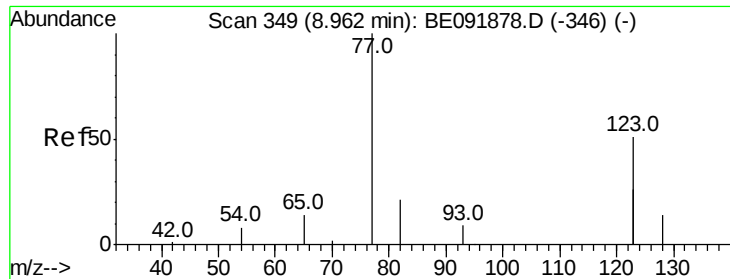


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

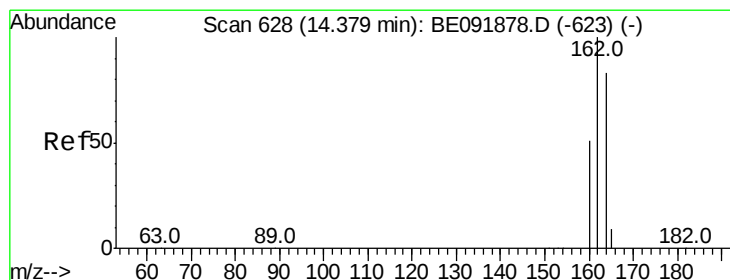
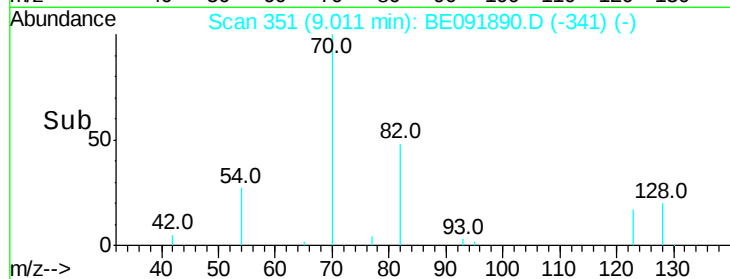
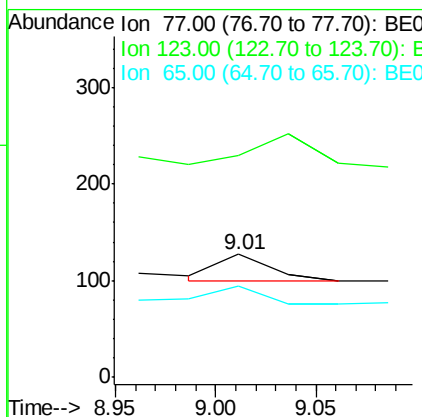
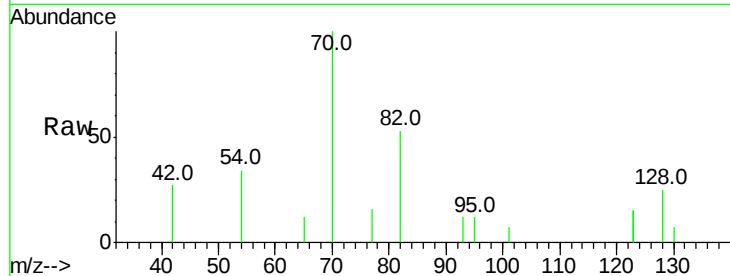




#10
Nitrobenzene
Concen: 0.06 ng
RT: 9.01 min Scan# 351
Delta R.T. 0.05 min
Lab File: BE091890.D
Acq: 8 Jun 2016 00:03

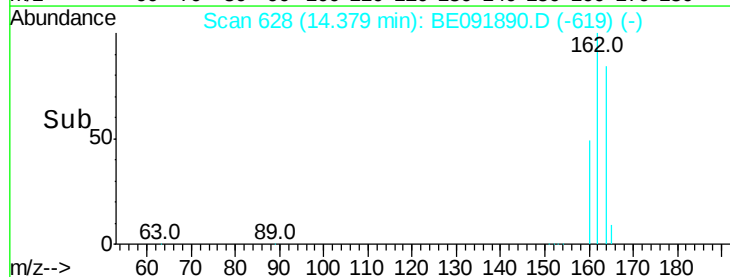
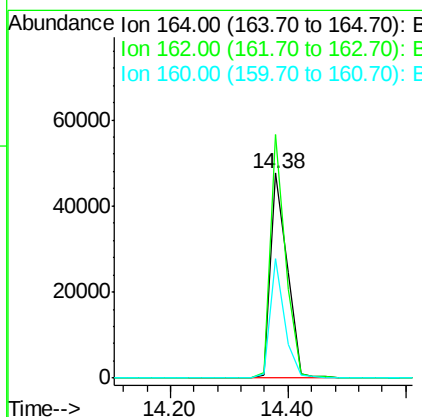
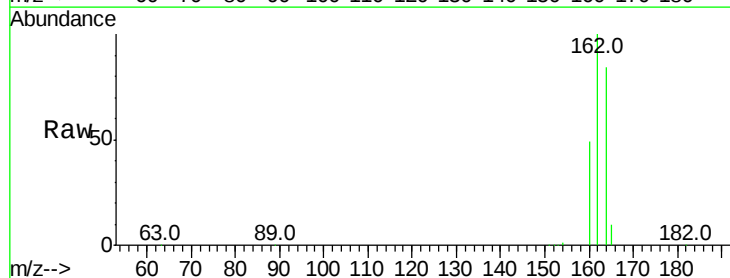
Instrument :
BNA_E
ClientSampleId :

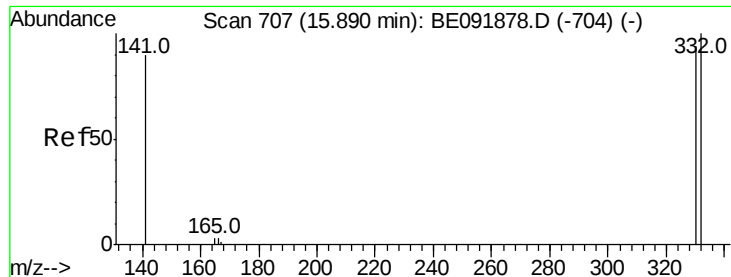
Tot Ion: 77 Resp: 49
Ion Ratio Lower Upper
77 100
123 0.0 0.0 0.0
65 75.5 11.1 16.7#



#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.38 min Scan# 628
Delta R.T. -0.00 min
Lab File: BE091890.D
Acq: 8 Jun 2016 00:03

Tgt Ion:164 Resp: 94343
Ion Ratio Lower Upper
164 100
162 118.7 71.8 107.8#
160 58.0 28.0 42.0#

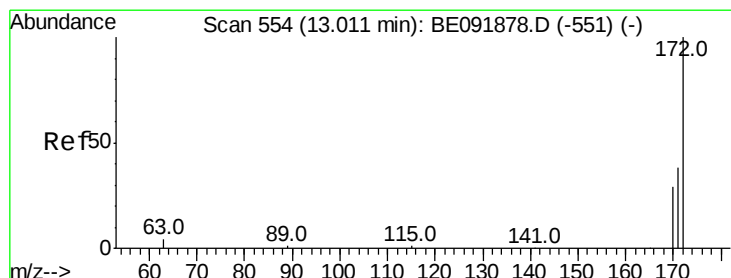
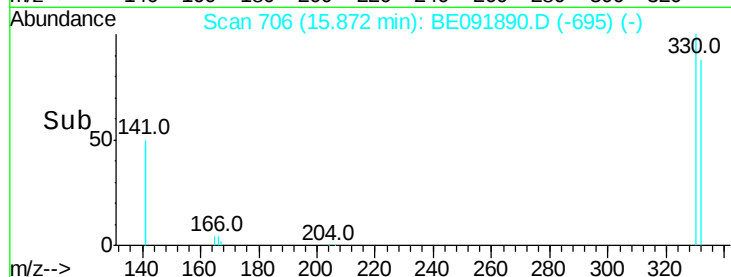
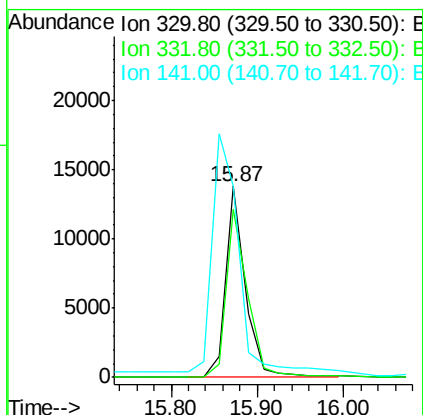
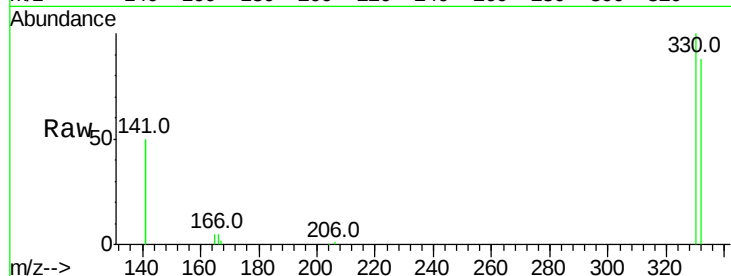




#16
 2,4,6-Tribromophenol
 Concen: 8.10 ng
 RT: 15.87 min Scan# 706
 Delta R.T. -0.02 min
 Lab File: BE091890.D
 Acq: 8 Jun 2016 00:03

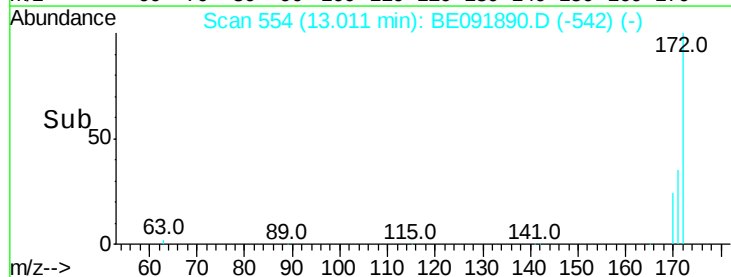
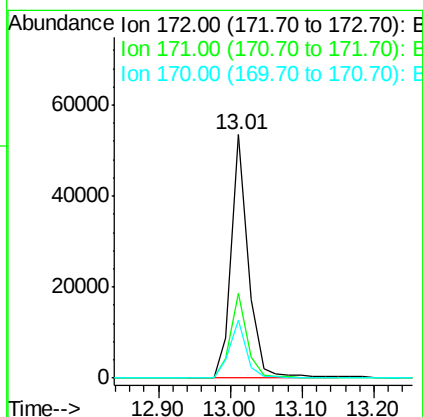
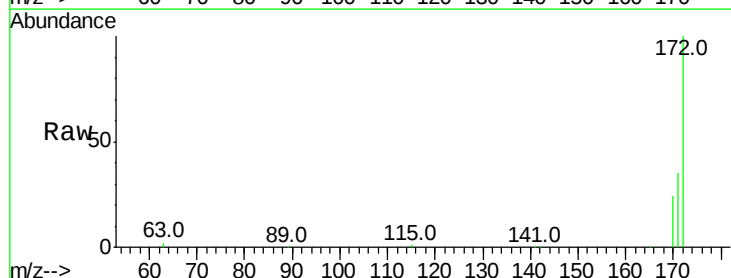
Instrument :
 BNA_E
 ClientSampleId :

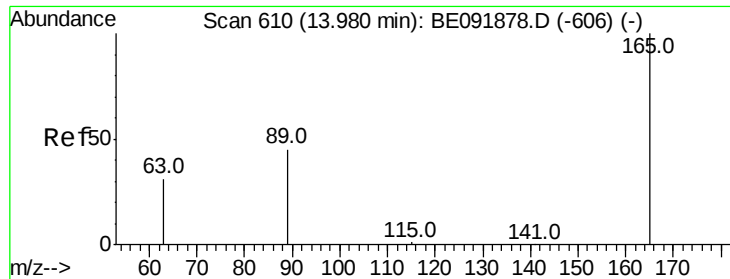
Tot Ion:330 Resp: 21766
 Ion Ratio Lower Upper
 330 100
 332 95.2 77.0 115.6
 141 164.9 138.4 207.6



#17
 2-Fluorobiphenyl
 Concen: 3.07 ng
 RT: 13.01 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: BE091890.D
 Acq: 8 Jun 2016 00:03

Tgt Ion:172 Resp: 88000
 Ion Ratio Lower Upper
 172 100
 171 34.8 24.3 36.5
 170 23.8 14.9 22.3#

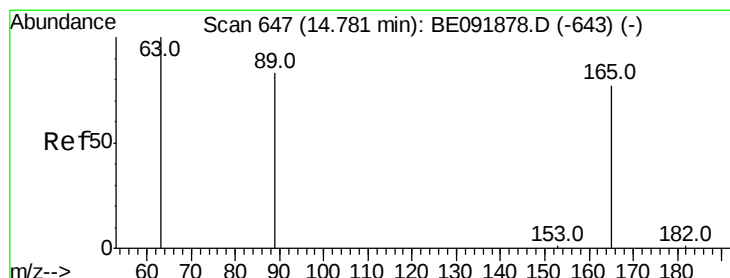
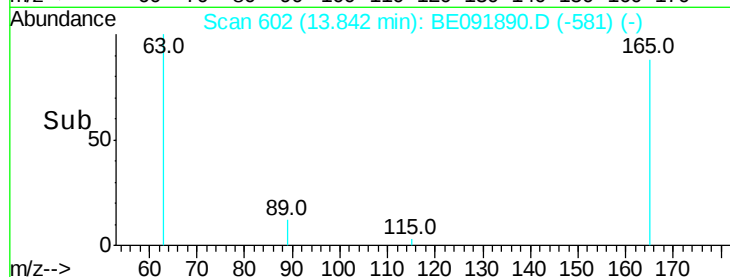
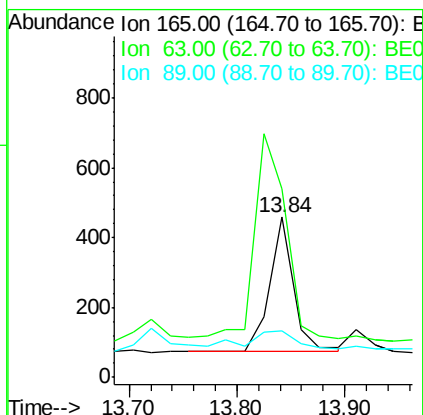
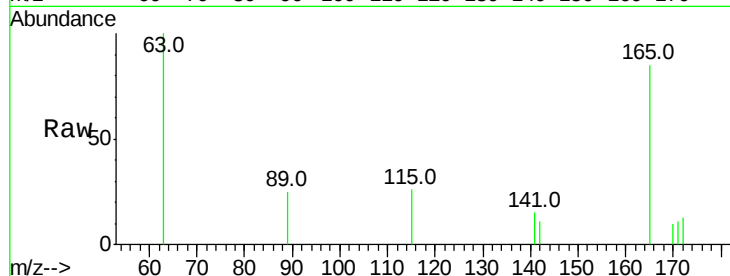




#19
2,6-Dinitrotoluene
Concen: 0.23 ng
RT: 13.84 min Scan# 602
Delta R.T. -0.14 min
Lab File: BE091890.D
Acq: 8 Jun 2016 00:03

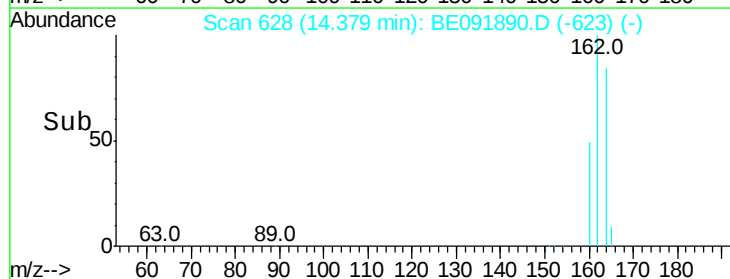
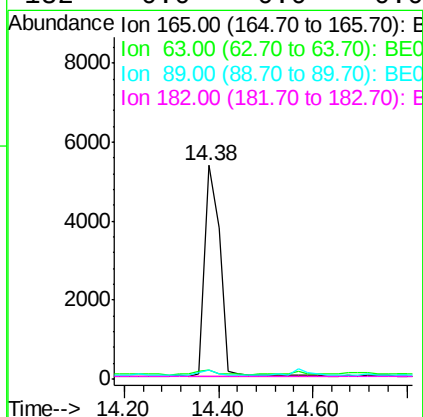
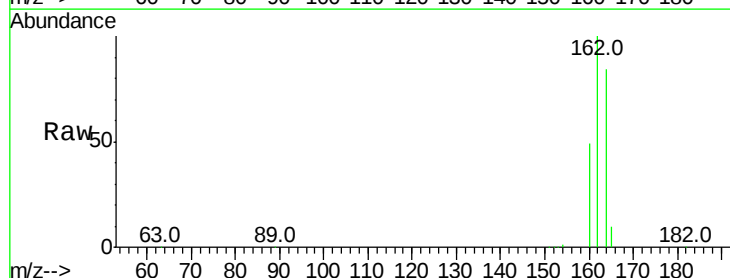
Instrument :
BNA_E
ClientSampled :

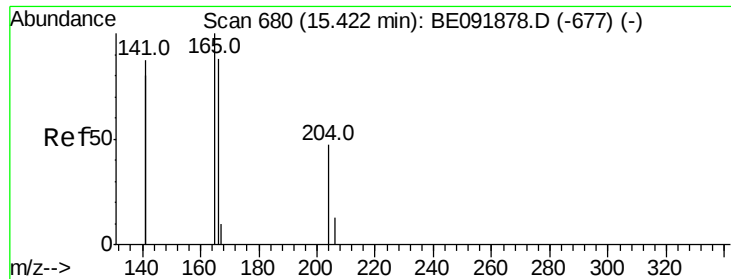
Tot Ion:165 Resp: 598
Ion Ratio Lower Upper
165 100
63 203.8 65.9 98.9#
89 26.8 59.1 88.7#



#21
2,4-Dinitrotoluene
Concen: 1.76 ng
RT: 14.38 min Scan# 628
Delta R.T. -0.40 min
Lab File: BE091890.D
Acq: 8 Jun 2016 00:03

Tgt Ion:165 Resp: 12049
Ion Ratio Lower Upper
165 100
63 3.3 0.0 0.0#
89 3.3 99.8 149.8#
182 0.0 0.0 0.0

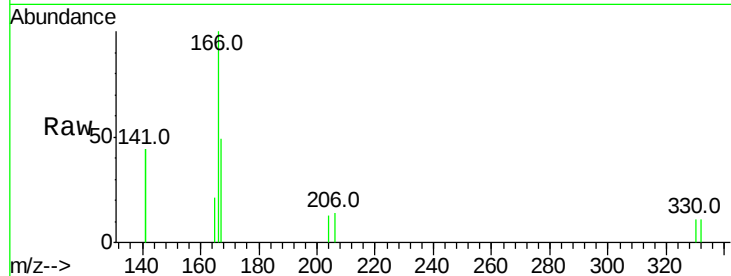




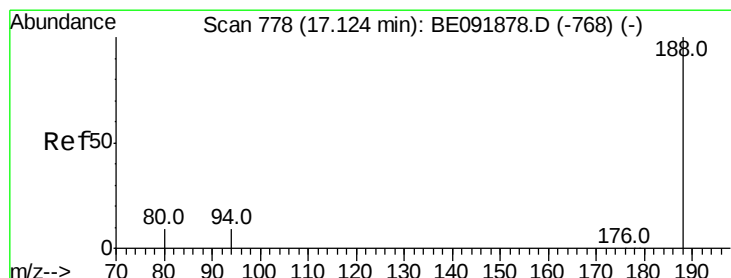
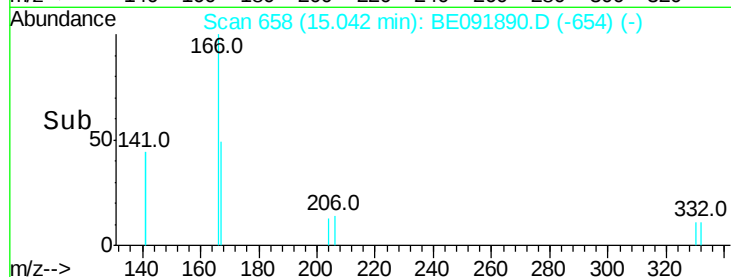
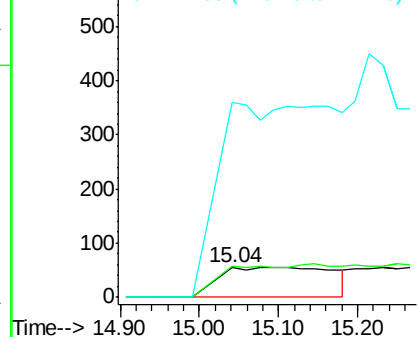
#23
4-Chlorophenyl-phenylether
Concen: 0.04 ng
RT: 15.04 min Scan# 658
Delta R.T. -0.38 min
Lab File: BE091890.D
Acq: 8 Jun 2016 00:03

Instrument :
BNA_E
ClientSampleId :

Tot Ion:204 Resp: 596
Ion Ratio Lower Upper
204 100
206 57.0 27.8 41.6#
141 296.0 197.6 296.4

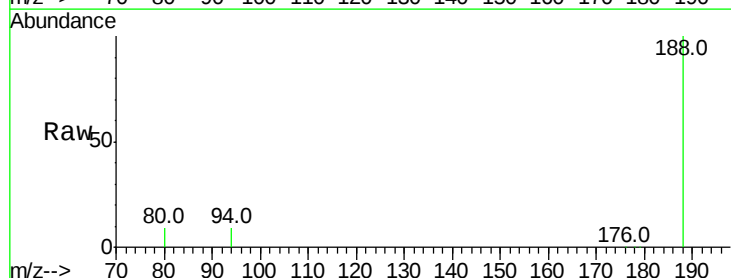


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

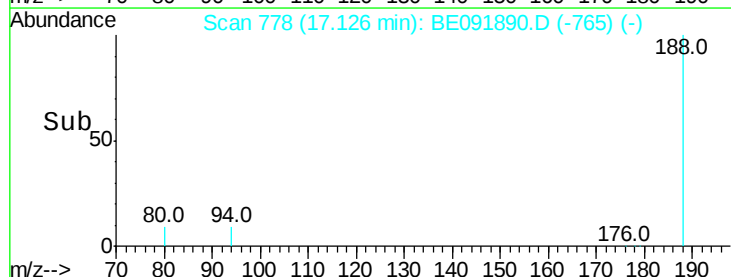
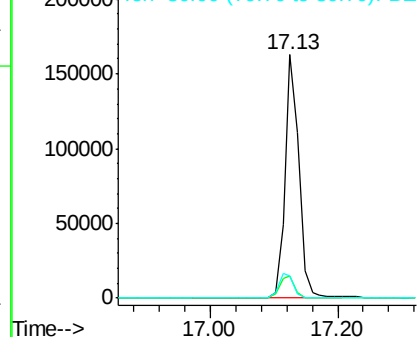


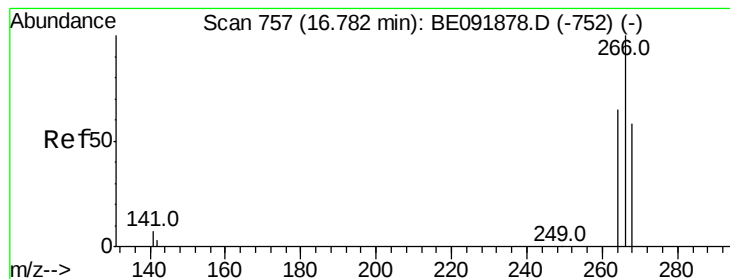
#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.13 min Scan# 778
Delta R.T. 0.00 min
Lab File: BE091890.D
Acq: 8 Jun 2016 00:03

Tgt Ion:188 Resp: 291329
Ion Ratio Lower Upper
188 100
94 9.4 4.1 6.1#
80 9.0 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: 0.12 ng

RT: 16.78 min Scan# 757

Delta R.T. 0.00 min

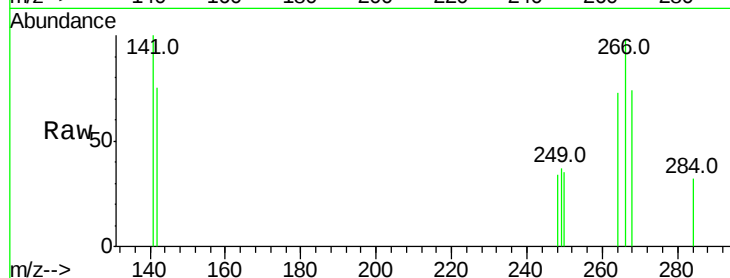
Lab File: BE091890.D

Acq: 8 Jun 2016 00:03

Instrument :

BNA_E

ClientSampleId :



Tot Ion:266 Resp: 264

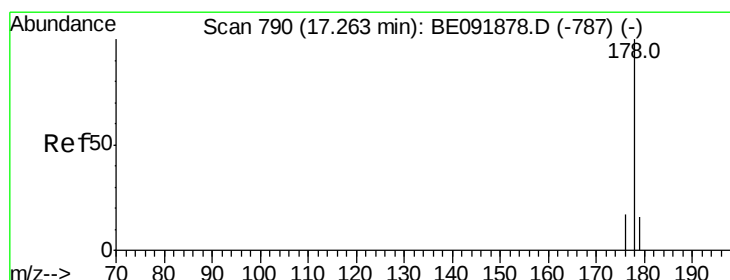
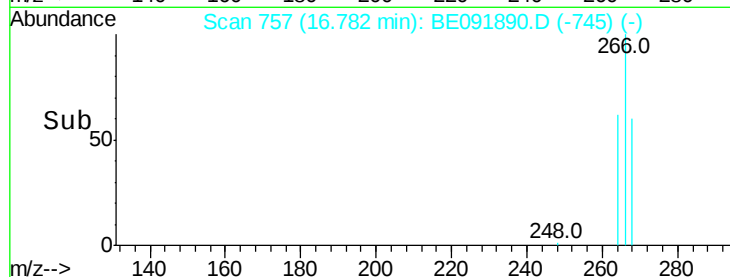
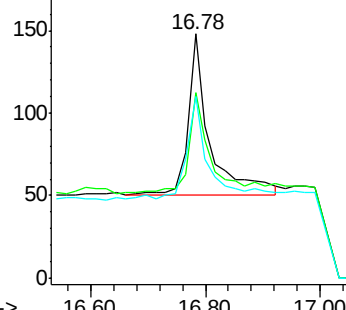
Ion Ratio Lower Upper

266 100

268 75.7 60.5 90.7

264 74.3 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



#29

Anthracene

Concen: 0.02 ng

RT: 17.26 min Scan# 790

Delta R.T. 0.00 min

Lab File: BE091890.D

Acq: 8 Jun 2016 00:03

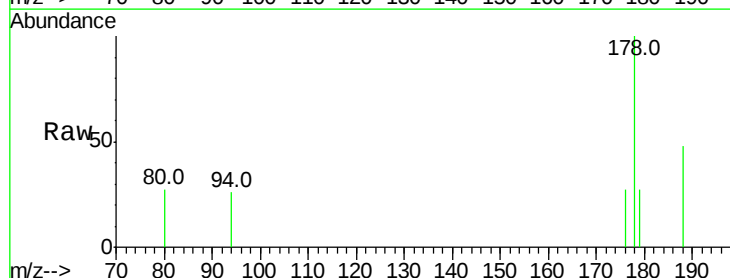
Tgt Ion:178 Resp: 1433

Ion Ratio Lower Upper

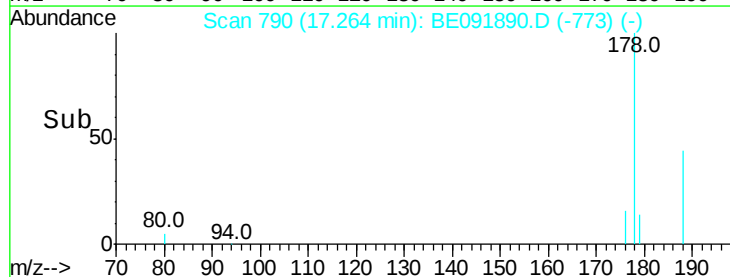
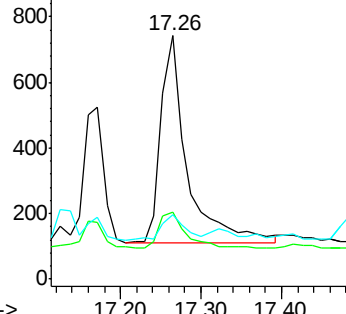
178 100

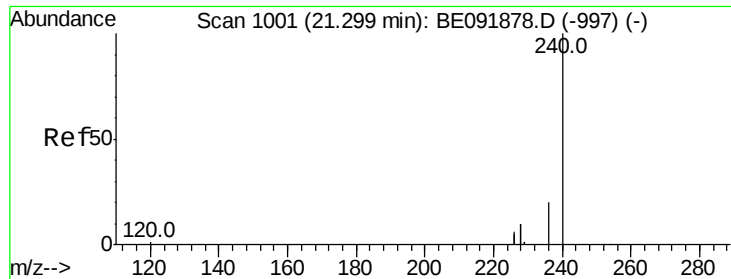
176 17.5 15.1 22.7

179 9.6 12.1 18.1#



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

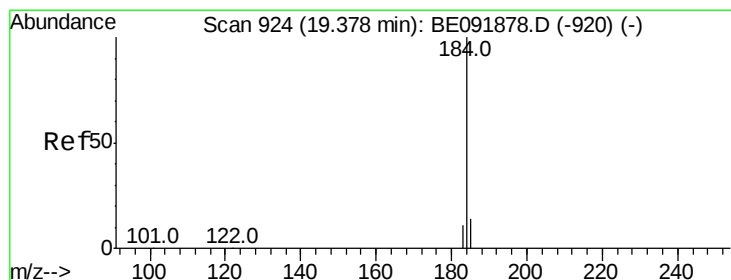
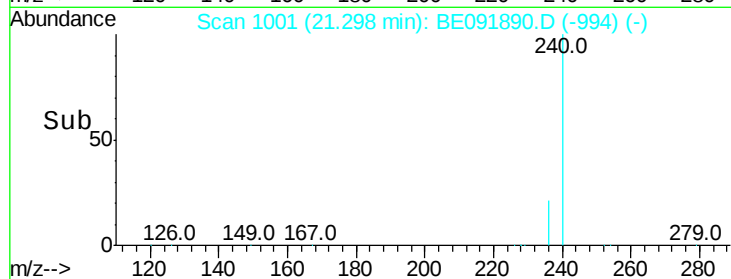
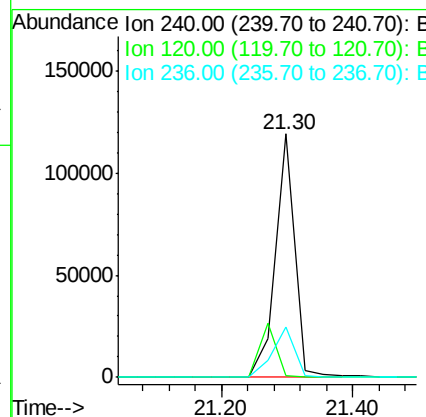
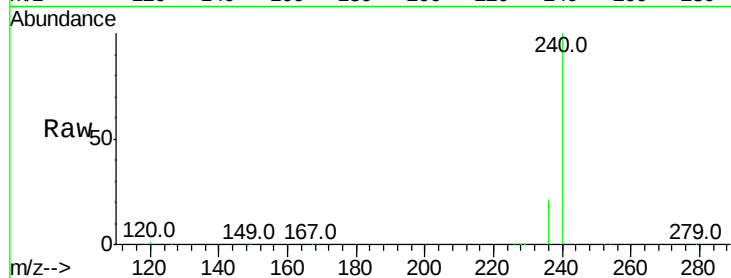




#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.30 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BE091890.D
Acq: 8 Jun 2016 00:03

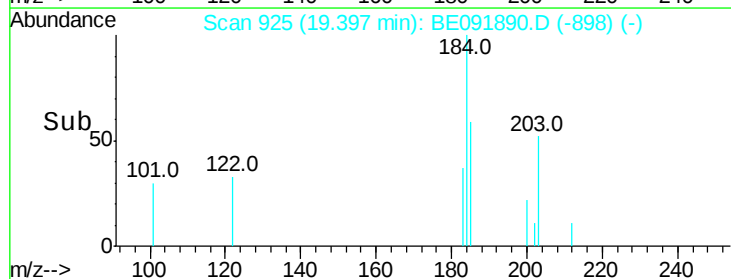
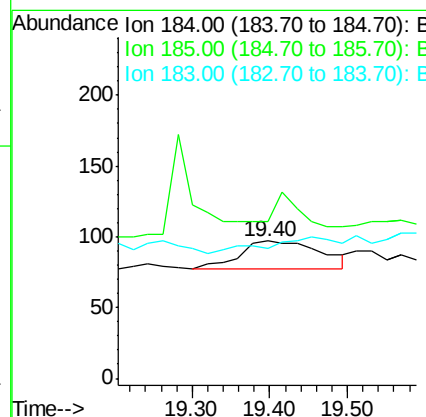
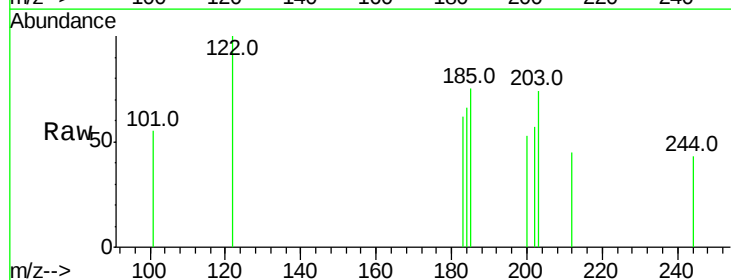
Instrument :
BNA_E
ClientSampleId :

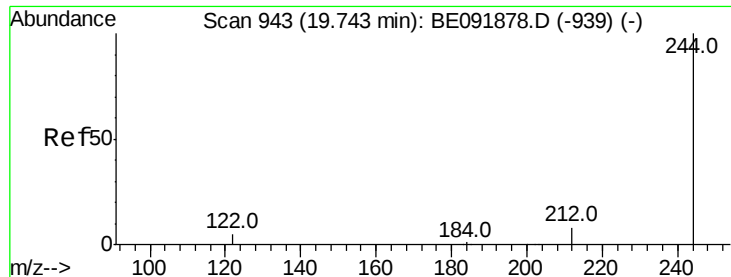
Tot Ion:240 Resp: 245299
Ion Ratio Lower Upper
240 100
120 0.7 1.2 1.8#
236 20.9 19.8 29.8



#32
Benzidine
Concen: 0.11 ng
RT: 19.40 min Scan# 925
Delta R.T. 0.02 min
Lab File: BE091890.D
Acq: 8 Jun 2016 00:03

Tgt Ion:184 Resp: 145
Ion Ratio Lower Upper
184 100
185 114.4 11.4 17.2#
183 94.8 11.8 17.6#

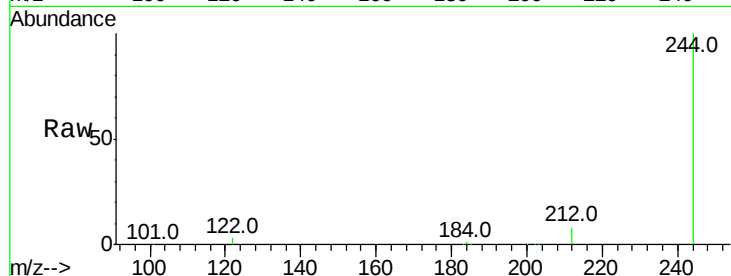




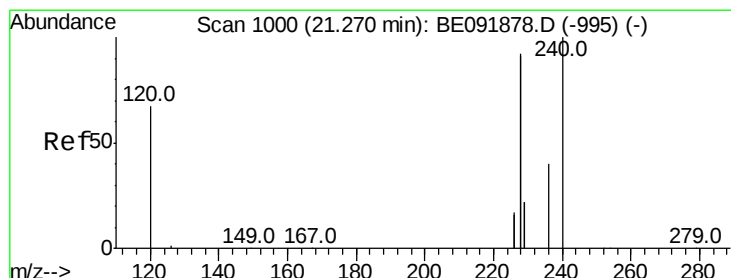
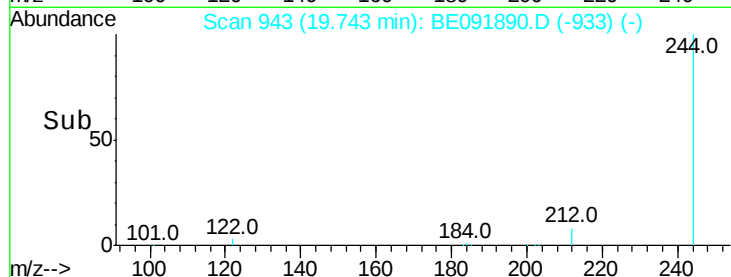
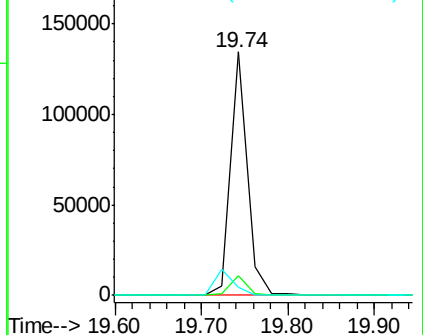
#34
 Terphenyl-d14
 Concen: -5.00 ng
 RT: 19.74 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: BE091890.D
 Acq: 8 Jun 2016 00:03

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:244 Resp: 182169
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.5 9.7
 122 3.5 2.9 4.3

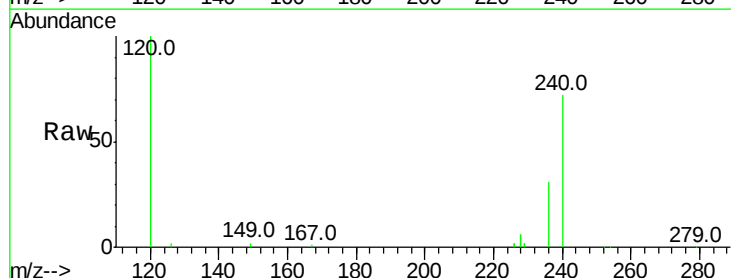


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

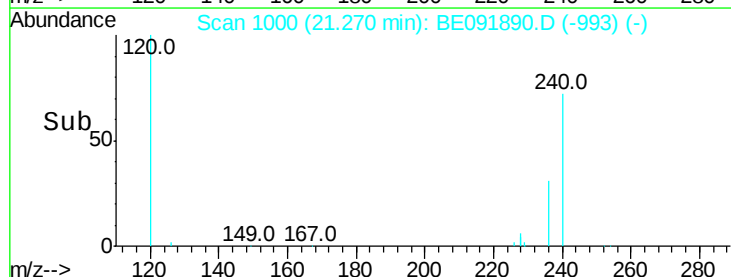
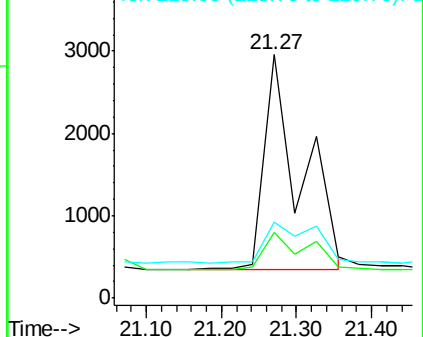


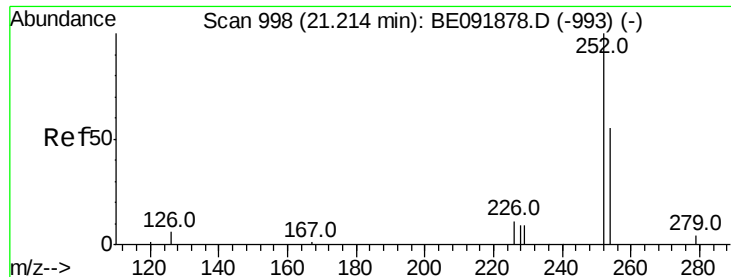
#35
 Benzo(a)anthracene
 Concen: Below Cal
 RT: 21.27 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: BE091890.D
 Acq: 8 Jun 2016 00:03

Tgt Ion:228 Resp: 8727
 Ion Ratio Lower Upper
 228 100
 226 27.0 21.0 31.4
 229 31.0 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





#36

3,3'-Dichlorobenzidine

Concen: 0.12 ng

RT: 21.21 min Scan# 998

Delta R.T. 0.00 min

Lab File: BE091890.D

Acq: 8 Jun 2016 00:03

Instrument :

BNA_E

ClientSampleId :

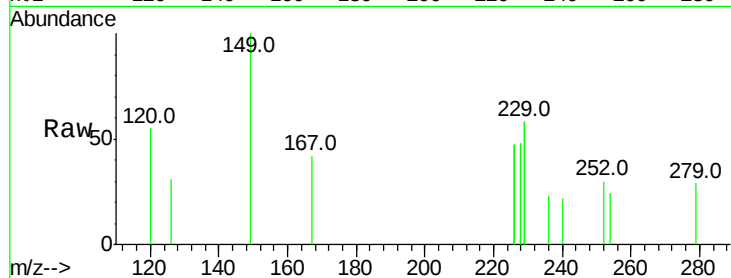
Tot Ion:252 Resp: 323

Ion Ratio Lower Upper

252 100

254 79.6 61.5 92.3

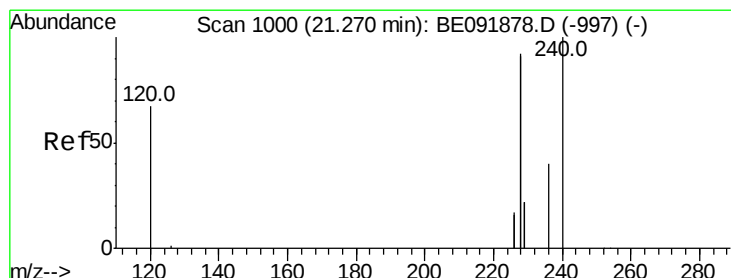
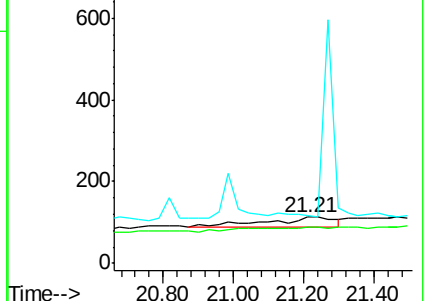
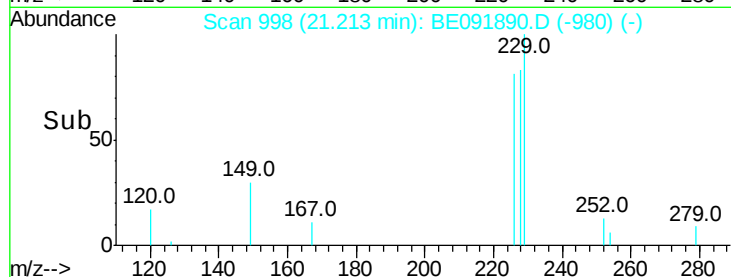
126 102.7 2.5 3.7#



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: BE091890.D

Acq: 8 Jun 2016 00:03

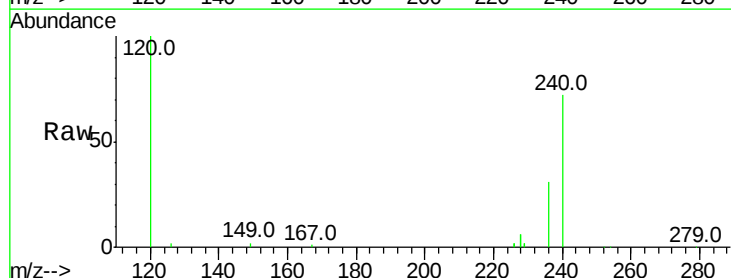
Tgt Ion:228 Resp: 8733

Ion Ratio Lower Upper

228 100

226 27.0 27.0 40.6#

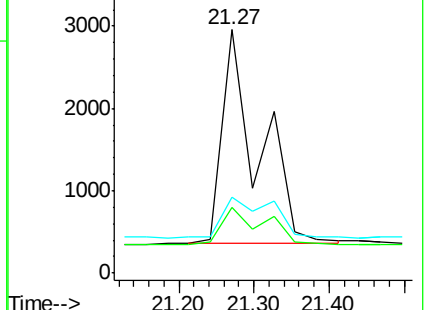
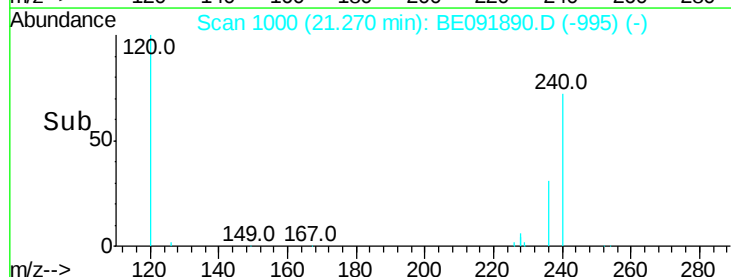
229 31.0 13.8 20.8#

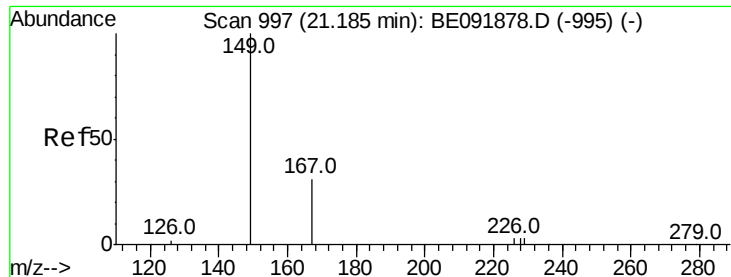


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

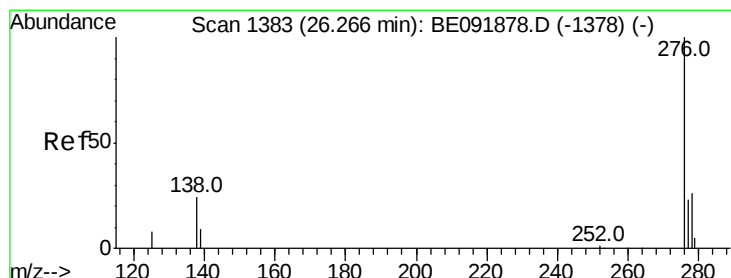
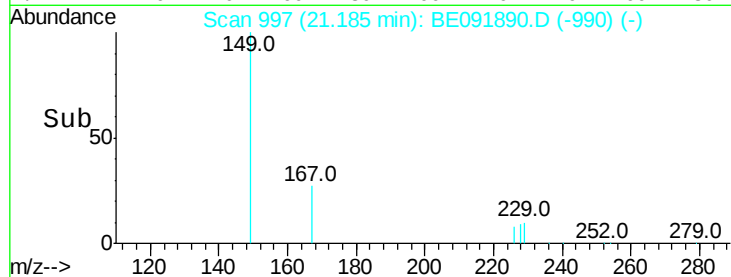
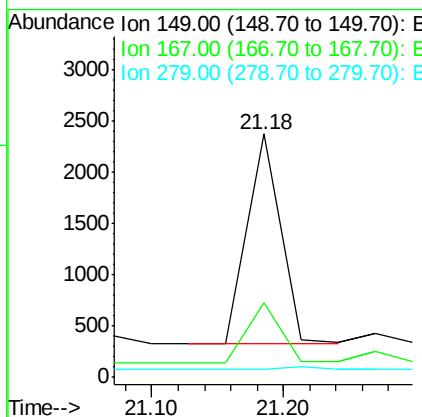
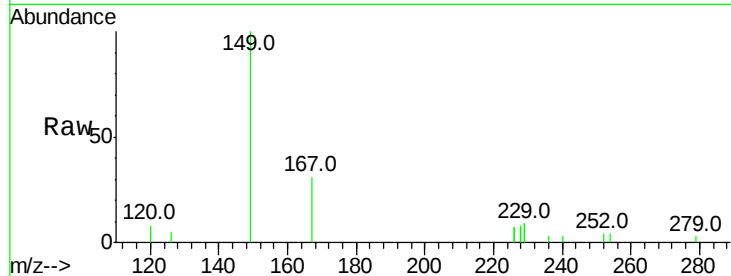




#38
 Bis(2-ethylhexyl)phthalate
 Concen: 0.20 ng
 RT: 21.18 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: BE091890.D
 Acq: 8 Jun 2016 00:03

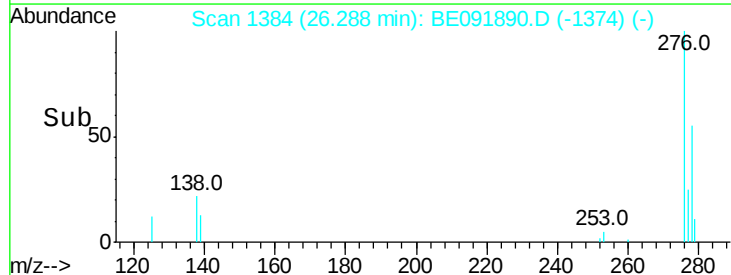
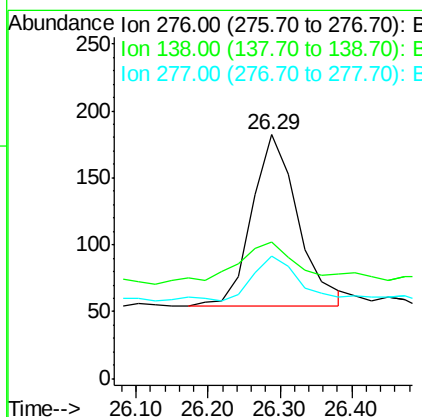
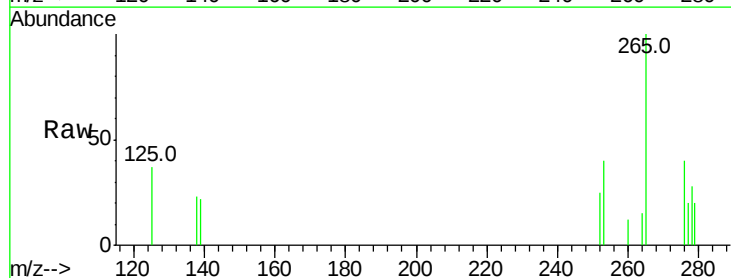
Instrument :
 BNA_E
 ClientSampleId :

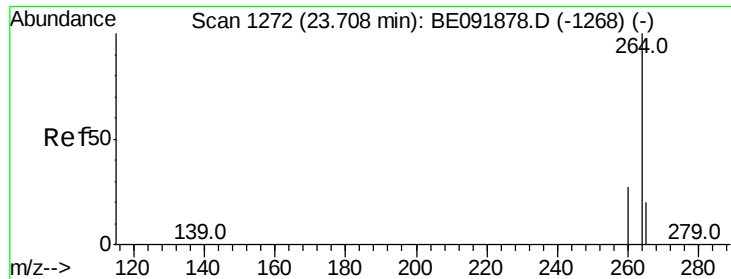
Tot Ion:149 Resp: 3608
 Ion Ratio Lower Upper
 149 100
 167 30.0 0.0 0.0#
 279 0.0 0.0 0.0



#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: BE091890.D
 Acq: 8 Jun 2016 00:03

Tgt Ion:276 Resp: 568
 Ion Ratio Lower Upper
 276 100
 138 30.5 19.7 29.5#
 277 25.5 20.1 30.1

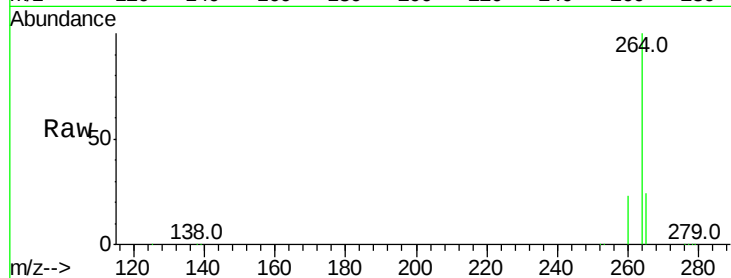




#40
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.73 min Scan# 1273
 Delta R.T. 0.02 min
 Lab File: BE091890.D
 Acq: 8 Jun 2016 00:03

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	20.3	30.5
265	23.9	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

