

Data Path : Z:\HPCHEM1\BNA E\DATA\BE060716\
 Data File : BE091891.D
 Acq On : 8 Jun 2016 00:42
 Operator : UM/SJ
 Sample : H3357-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jun 08 07:18:23 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

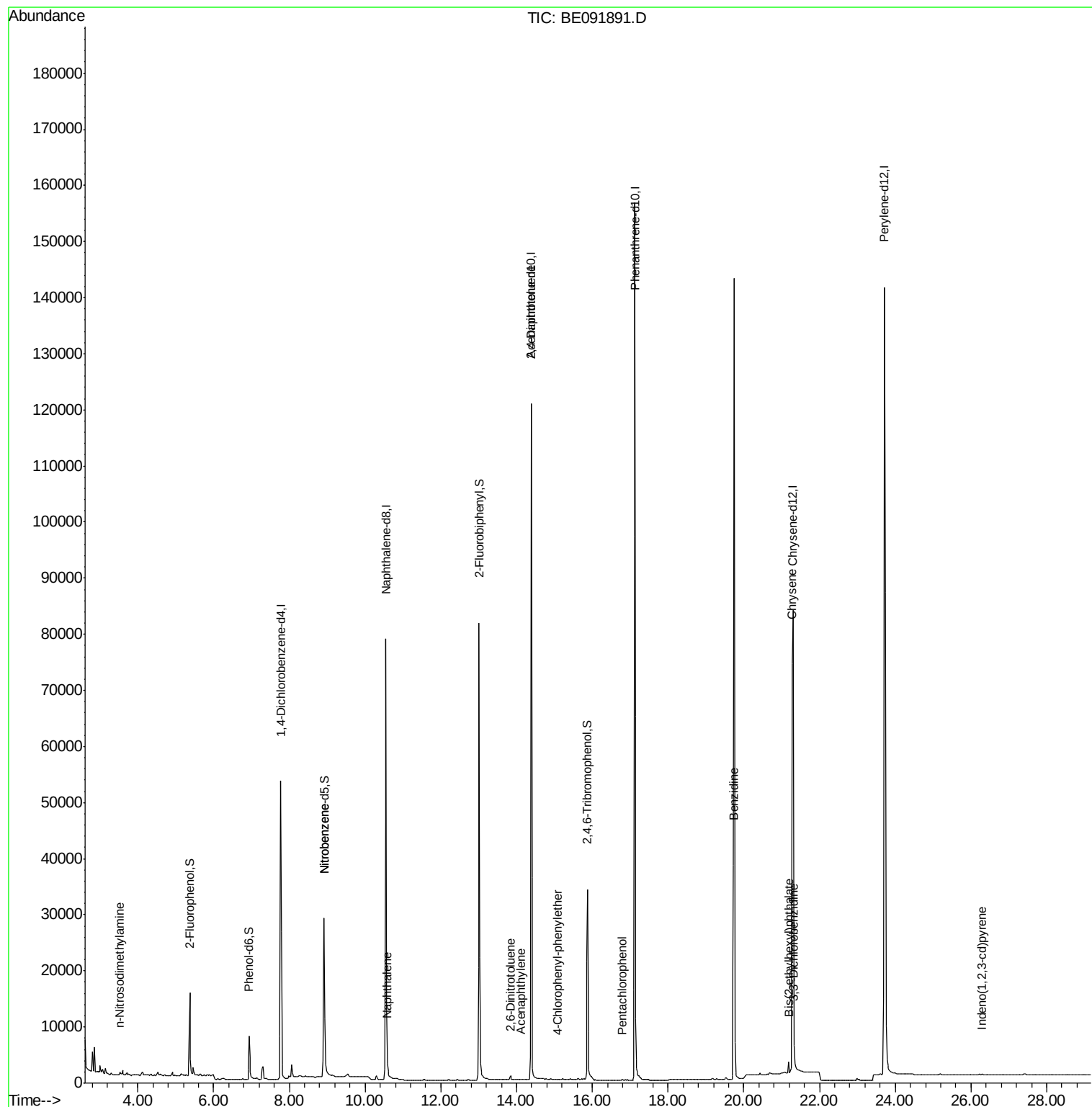
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	29257	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	130419	5.00	ng	0.00
15) Acenaphthene-d10	14.38	164	76732	5.00	ng	0.00
24) Phenanthrene-d10	17.13	188	204558	5.00	ng	0.00
31) Chrysene-d12	21.30	240	183526	5.00	ng	0.00
40) Perylene-d12	23.71	264	238665	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	14089	2.26	ng	0.00
5) Phenol-d6	6.94	99	10522	1.36	ng	-0.02
9) Nitrobenzene-d5	8.91	82	31588	3.23	ng	-0.02
16) 2,4,6-Tribromophenol	15.87	330	18984	8.68	ng	-0.02
17) 2-Fluorobiphenyl	13.01	172	83873	3.60	ng	0.00
34) Terphenyl-d14	19.74	244	177851	-5.00	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.31	88	195	Below Cal	#	1
3) n-Nitrosodimethylamine	3.52	42	137	0.03	ng	3
10) Nitrobenzene	8.91	77	125	0.06	ng	1
12) Naphthalene	10.59	128	930	0.03	ng	76
18) Acenaphthylene	14.10	152	771	0.02	ng	1
19) 2,6-Dinitrotoluene	13.84	165	507	0.24	ng	3
21) 2,4-Dinitrotoluene	14.38	165	9880	1.77	ng	1
23) 4-Chlorophenyl-phenylether	15.09	204	619	0.05	ng	28
27) Pentachlorophenol	16.78	266	106	0.08	ng	79
32) Benzidine	19.72	184	2889	0.29	ng	94
35) Benzo(a)anthracene	21.27	228	6374	Below Cal	#	86
36) 3,3'-Dichlorobenzidine	21.33	252	99	0.11	ng	85
37) Chrysene	21.27	228	6514	0.03	ng	77
38) Bis(2-ethylhexyl)phthalate	21.18	149	2761	0.20	ng	100
39) Indeno(1,2,3-cd)pyrene	26.29	276	238	0.05	ng	69

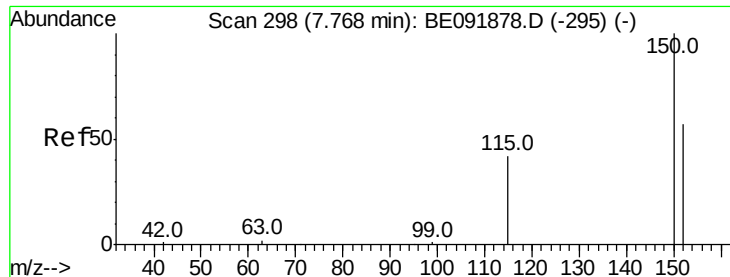
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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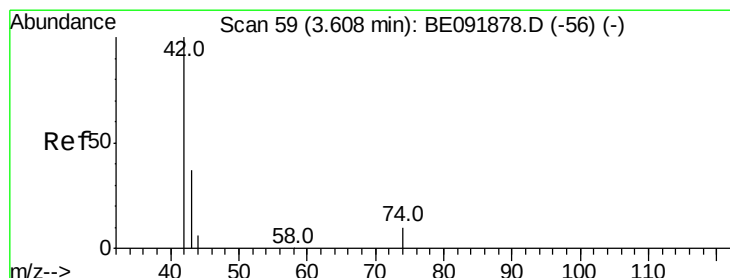
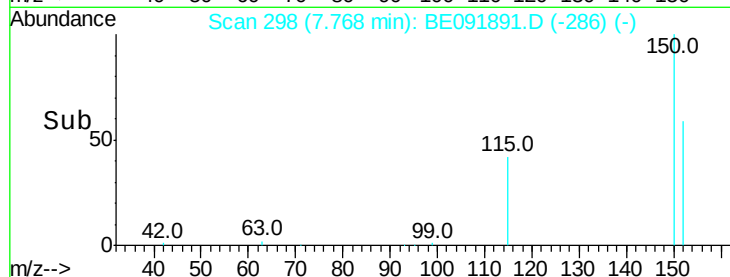
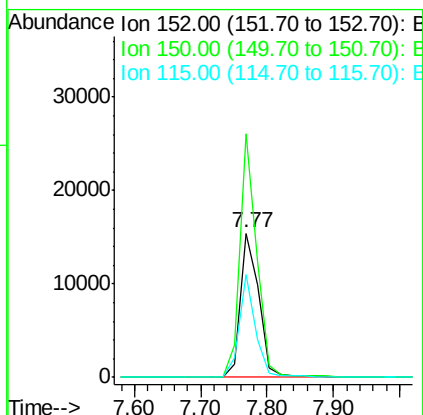
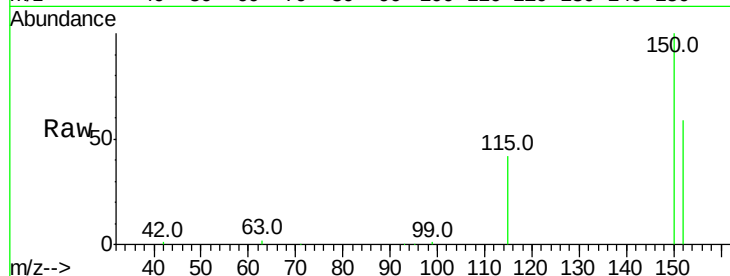


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.77 min Scan# 298
Delta R.T. 0.00 min
Lab File: BE091891.D
Acq: 8 Jun 2016 00:42

Instrument :
BNA_E
ClientSampleId :

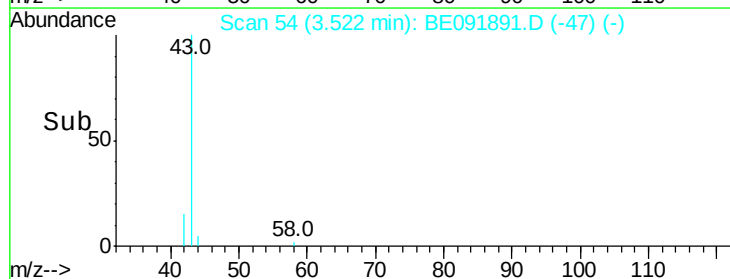
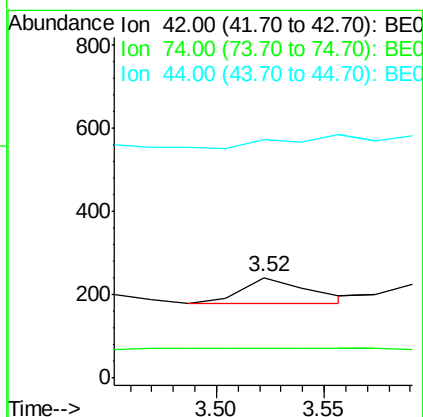
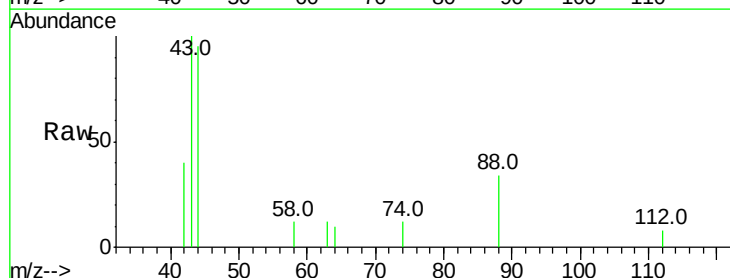
Tot Ion:152 Resp: 29257
Ion Ratio Lower Upper
152 100
150 169.0 123.9 185.9
115 71.0 48.3 72.5

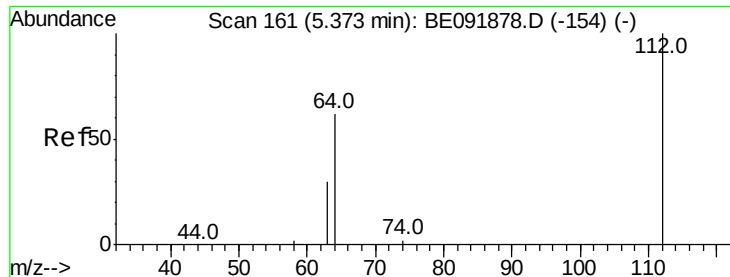


#3

n-Nitrosodimethylamine
Concen: 0.03 ng
RT: 3.52 min Scan# 54
Delta R.T. -0.09 min
Lab File: BE091891.D
Acq: 8 Jun 2016 00:42

Tgt Ion: 42 Resp: 137
Ion Ratio Lower Upper
42 100
74 5.8 93.4 140.0#
44 0.0 5.0 7.6#





#4

2-Fluorophenol

Concen: 2.26 ng

RT: 5.37 min Scan# 161

Delta R.T. -0.00 min

Lab File: BE091891.D

Acq: 8 Jun 2016 00:42

Instrument :

BNA_E

ClientSampleId :

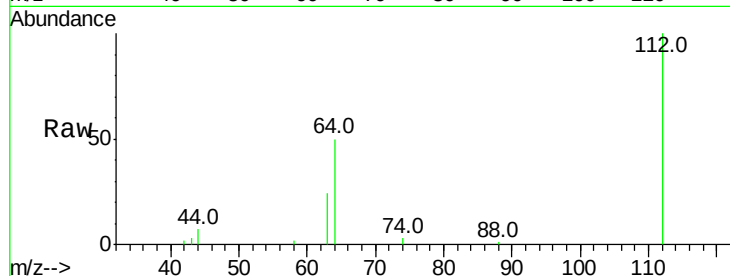
Tot Ion:112 Resp: 14089

Ion Ratio Lower Upper

112 100

64 66.2 53.7 80.5

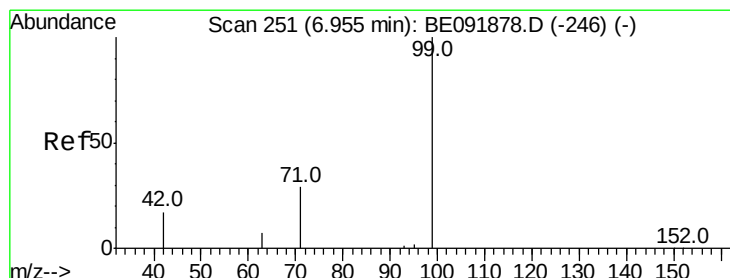
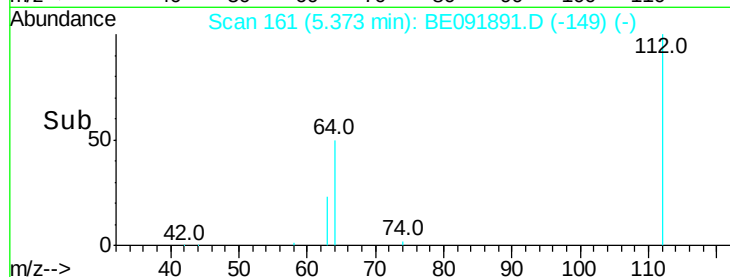
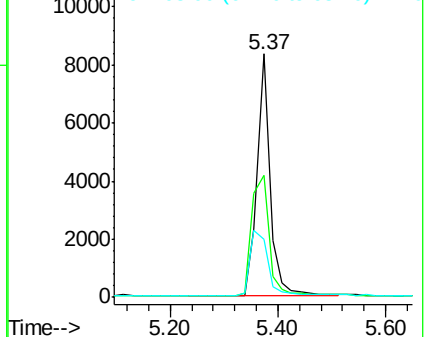
63 35.9 29.5 44.3



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: 1.36 ng

RT: 6.94 min Scan# 250

Delta R.T. -0.02 min

Lab File: BE091891.D

Acq: 8 Jun 2016 00:42

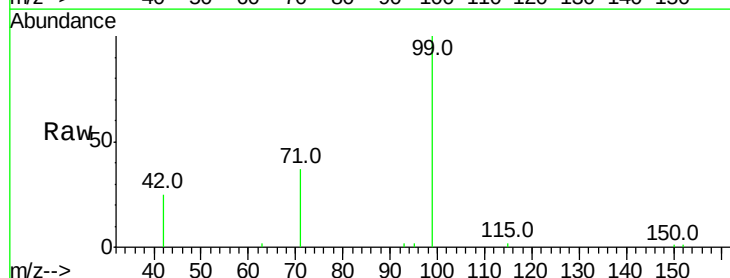
Tgt Ion: 99 Resp: 10522

Ion Ratio Lower Upper

99 100

42 23.1 19.6 29.4

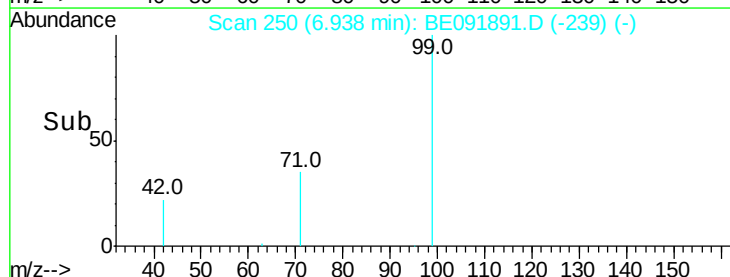
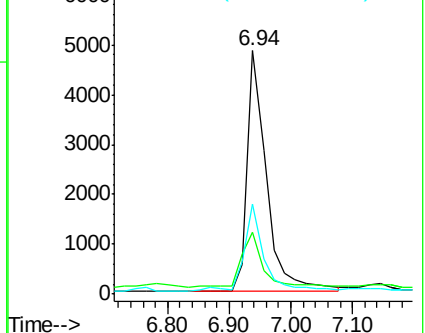
71 36.8 28.1 42.1

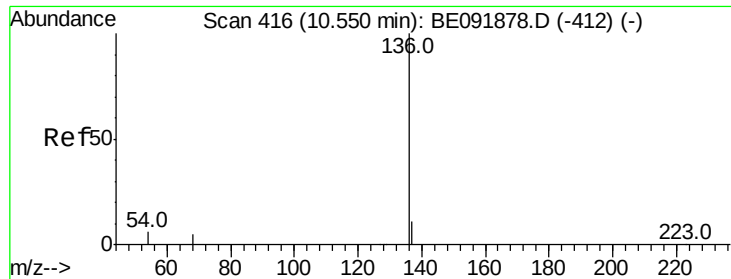


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE091891.D

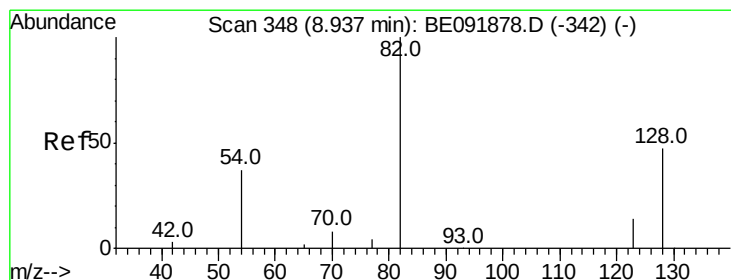
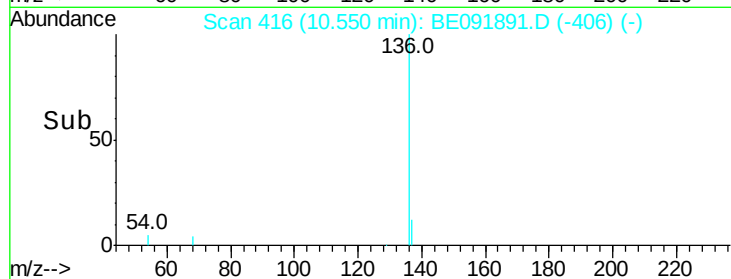
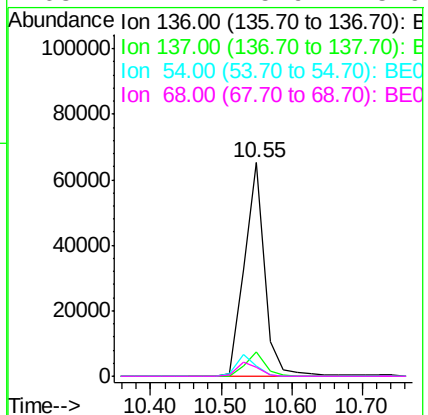
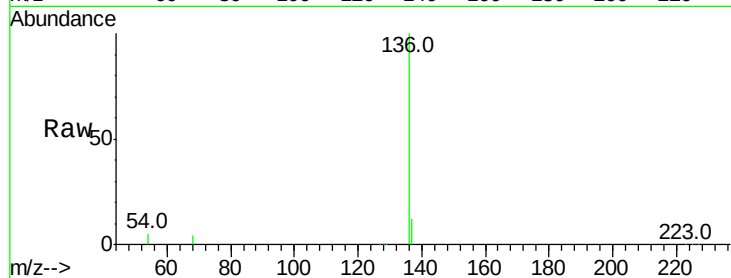
Acq: 8 Jun 2016 00:42

Instrument :

BNA_E

ClientSampled :

Tot Ion:	136	Resp:	130419
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.3	12.5
54	5.0	8.2	12.4#
68	4.1	5.9	8.9#



#9

Nitrobenzene-d5

Concen: 3.23 ng

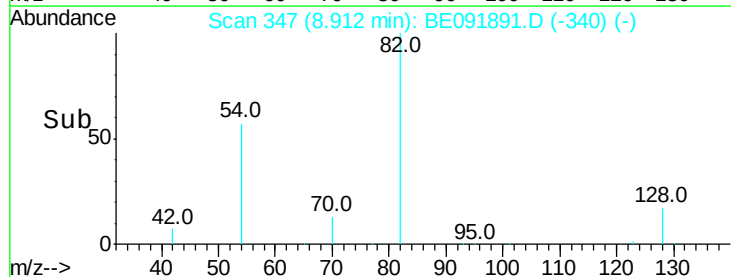
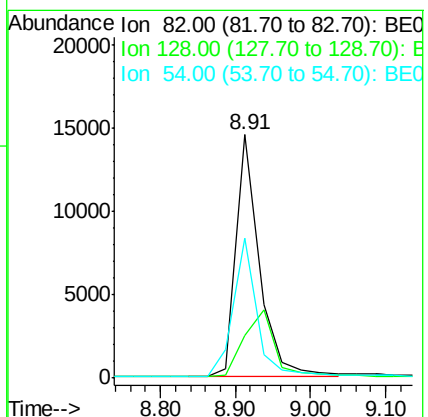
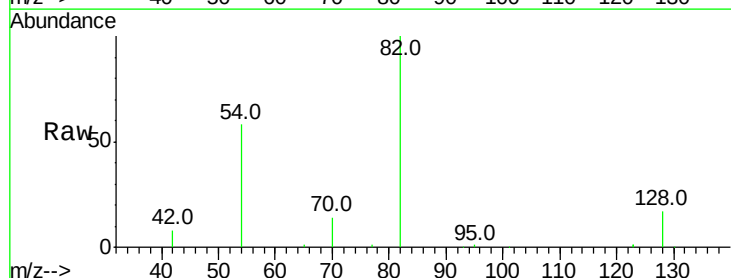
RT: 8.91 min Scan# 347

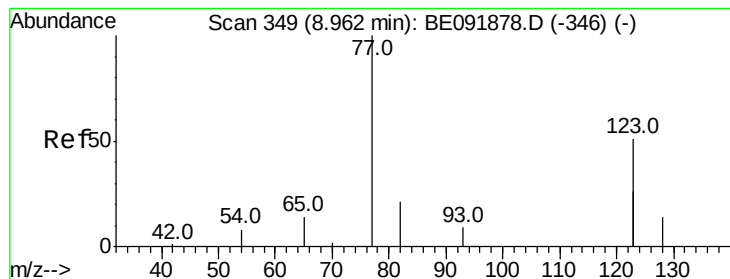
Delta R.T. -0.02 min

Lab File: BE091891.D

Acq: 8 Jun 2016 00:42

Tgt Ion:	82	Resp:	31588
Ion	Ratio	Lower	Upper
82	100		
128	17.4	39.5	59.3#
54	57.7	30.3	45.5#





#10

Nitrobenzene

Concen: 0.06 ng

RT: 8.91 min Scan# 347

Delta R.T. -0.05 min

Lab File: BE091891.D

Acq: 8 Jun 2016 00:42

Instrument :

BNA_E

ClientSampleId :

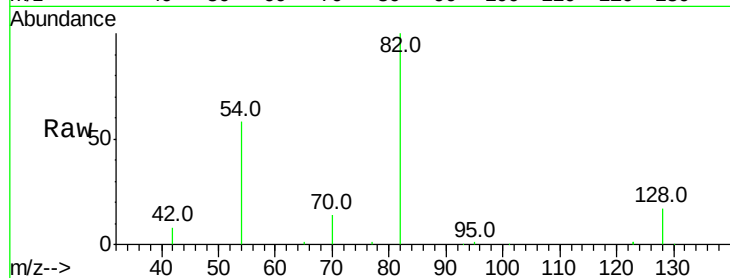
Tot Ion: 77 Resp: 125

Ion Ratio Lower Upper

77 100

123 0.0 0.0 0.0

65 72.8 11.1 16.7#

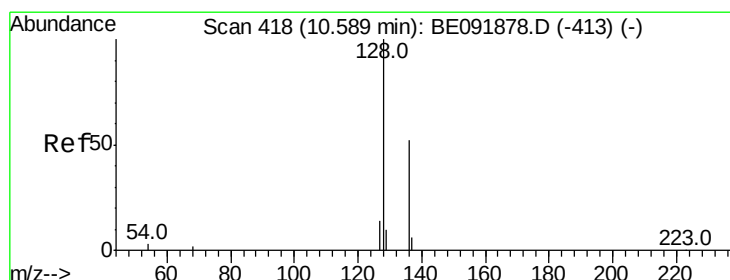
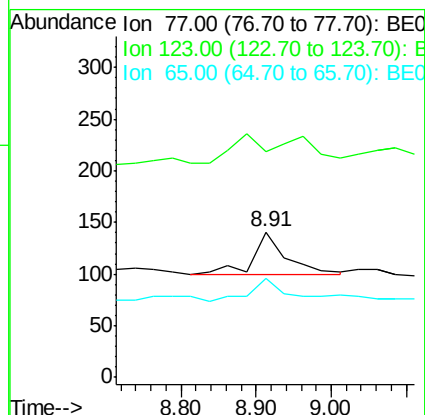
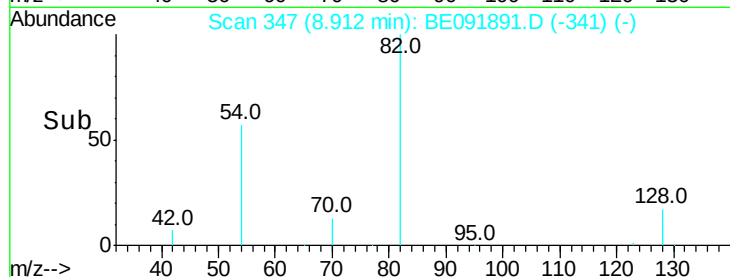


Abundance Ion 77.00 (76.70 to 77.70): BE091878.D (-346) (-)

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

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

Time-->



#12

Naphthalene

Concen: 0.03 ng

RT: 10.59 min Scan# 418

Delta R.T. -0.00 min

Lab File: BE091891.D

Acq: 8 Jun 2016 00:42

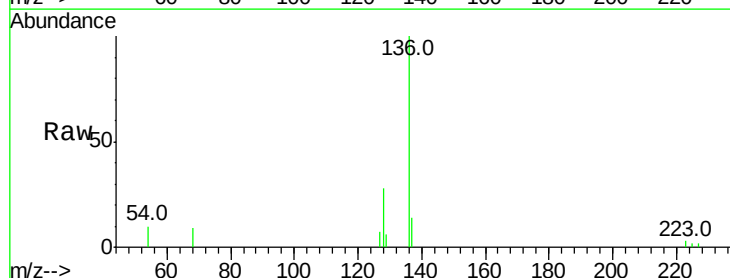
Tgt Ion: 128 Resp: 930

Ion Ratio Lower Upper

128 100

129 20.3 10.4 15.6#

127 24.4 10.2 15.2#

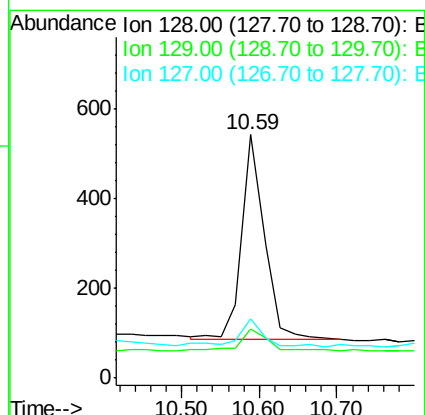
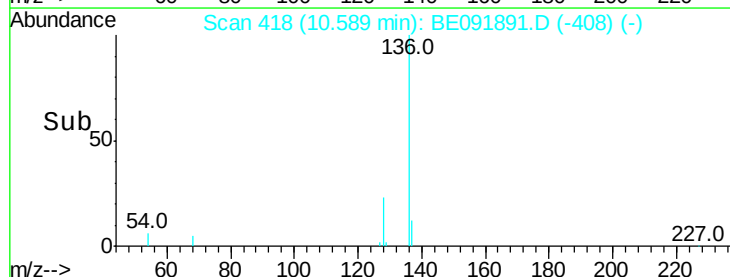


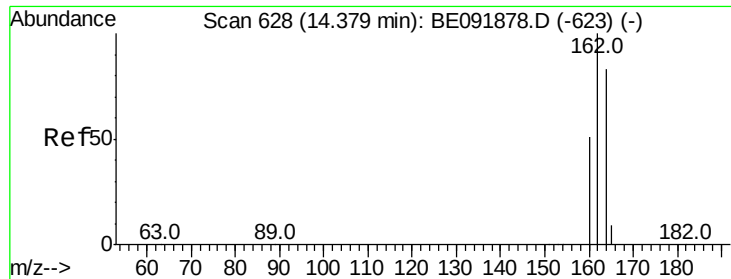
Abundance Ion 128.00 (127.70 to 128.70): BE091878.D (-413) (-)

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

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

Time-->





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.38 min Scan# 628

Delta R.T. 0.00 min

Lab File: BE091891.D

Acq: 8 Jun 2016 00:42

Instrument :

BNA_E

ClientSampleId :

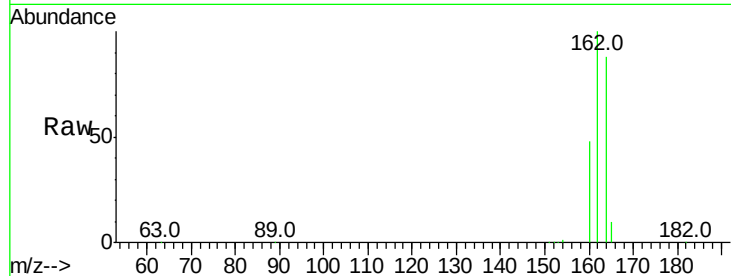
Tot Ion:164 Resp: 76732

Ion Ratio Lower Upper

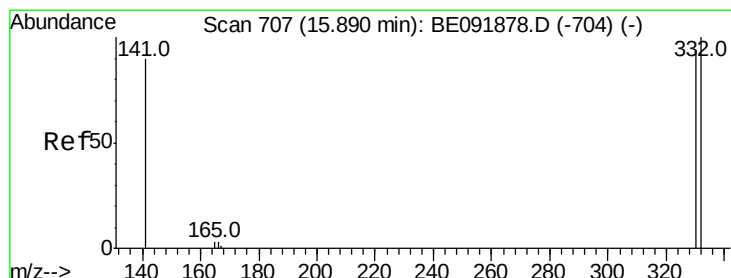
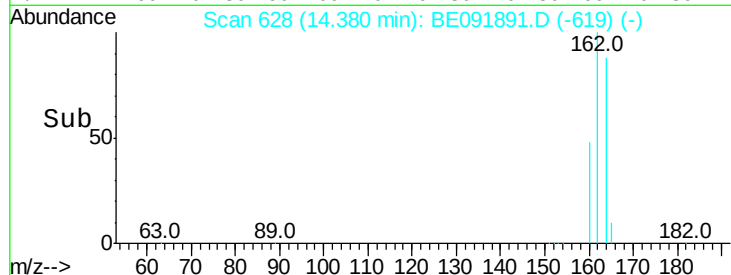
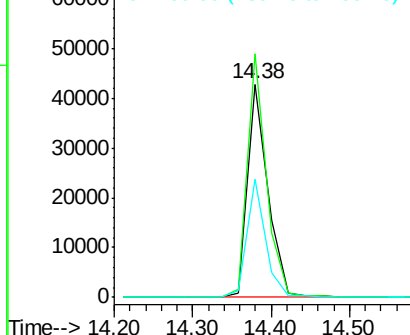
164 100

162 114.2 71.8 107.8#

160 55.1 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: 8.68 ng

RT: 15.87 min Scan# 706

Delta R.T. -0.02 min

Lab File: BE091891.D

Acq: 8 Jun 2016 00:42

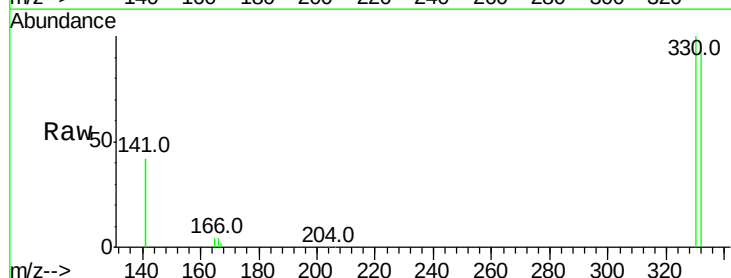
Tgt Ion:330 Resp: 18984

Ion Ratio Lower Upper

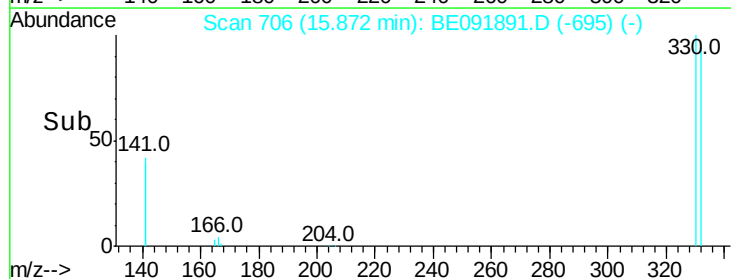
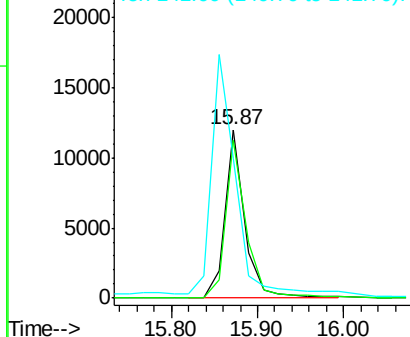
330 100

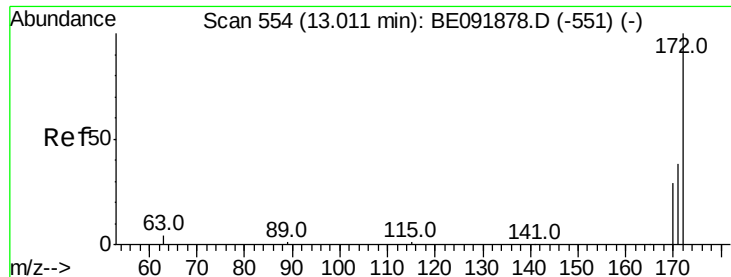
332 96.5 77.0 115.6

141 167.6 138.4 207.6



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

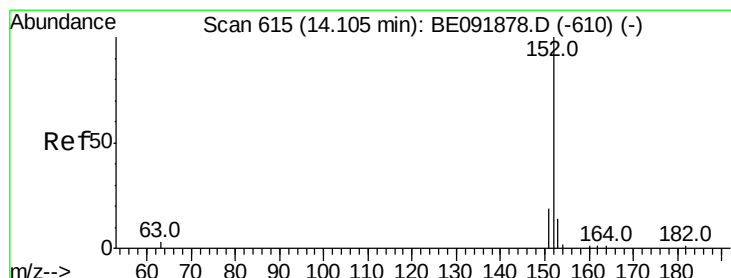
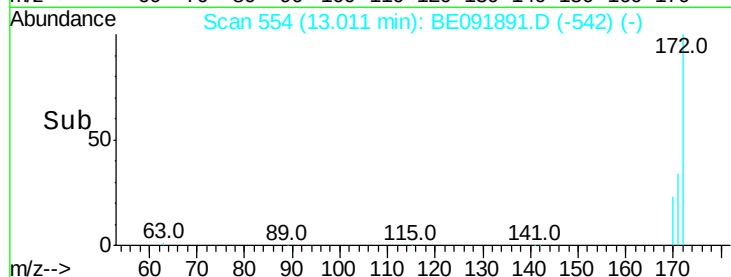
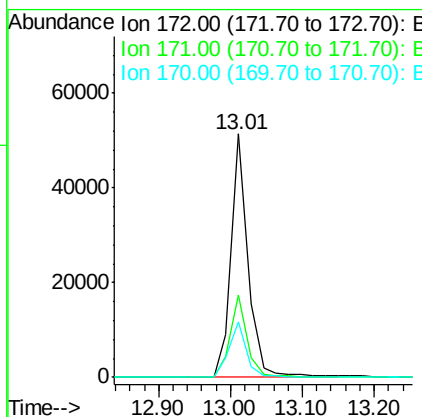
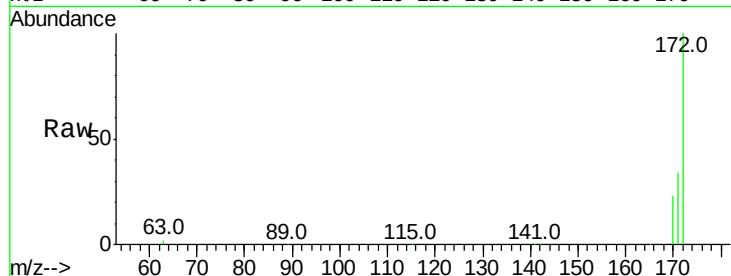




#17
2-Fluorobiphenyl
Concen: 3.60 ng
RT: 13.01 min Scan# 554
Delta R.T. -0.00 min
Lab File: BE091891.D
Acq: 8 Jun 2016 00:42

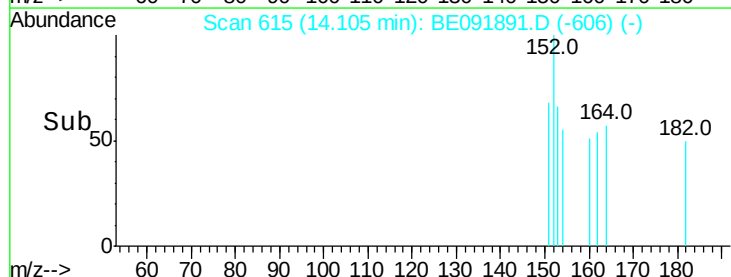
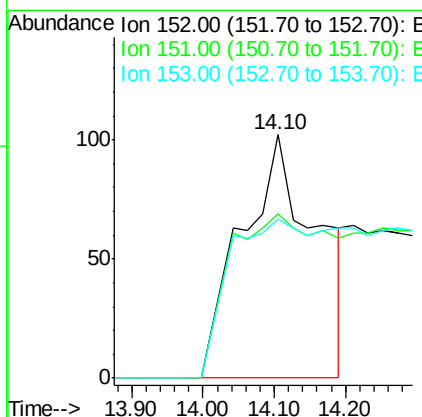
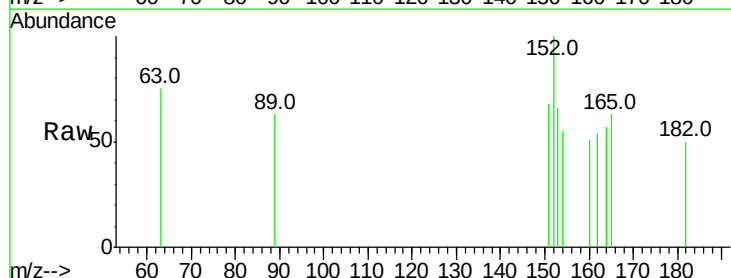
Instrument :
BNA_E
ClientSampleId :

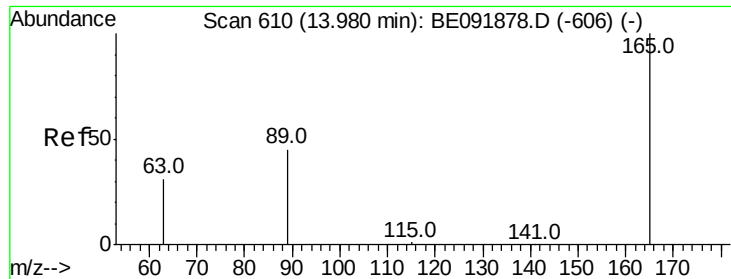
Tot Ion:172 Resp: 83873
Ion Ratio Lower Upper
172 100
171 34.0 24.3 36.5
170 22.8 14.9 22.3#



#18
Acenaphthylene
Concen: 0.02 ng
RT: 14.10 min Scan# 615
Delta R.T. 0.00 min
Lab File: BE091891.D
Acq: 8 Jun 2016 00:42

Tgt Ion:152 Resp: 771
Ion Ratio Lower Upper
152 100
151 89.6 19.4 29.2#
153 68.7 14.4 21.6#

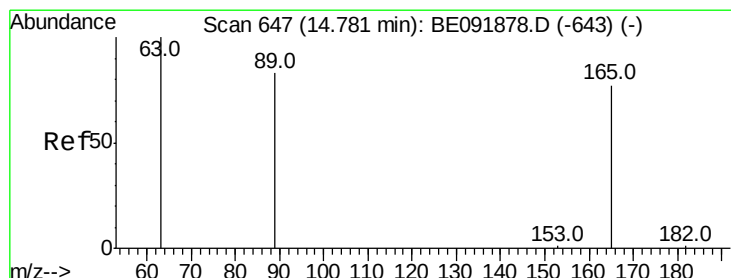
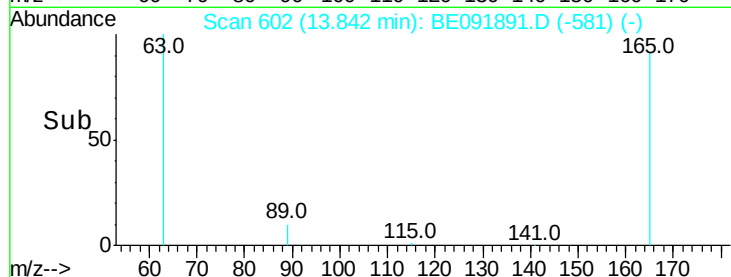
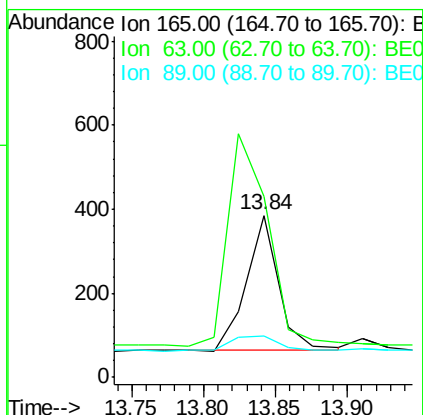
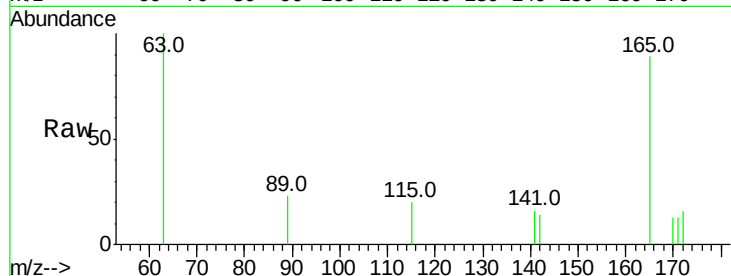




#19
2,6-Dinitrotoluene
Concen: 0.24 ng
RT: 13.84 min Scan# 602
Delta R.T. -0.14 min
Lab File: BE091891.D
Acq: 8 Jun 2016 00:42

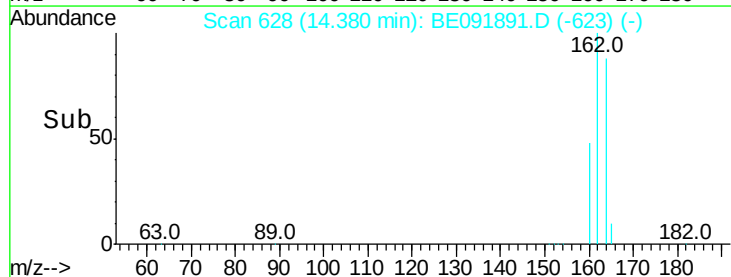
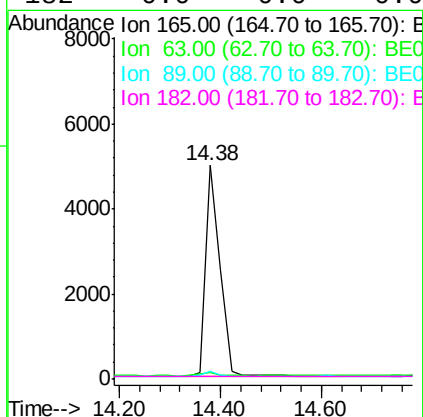
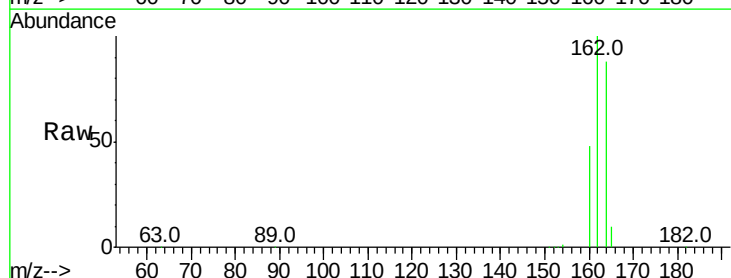
Instrument :
BNA_E
ClientSampleId :

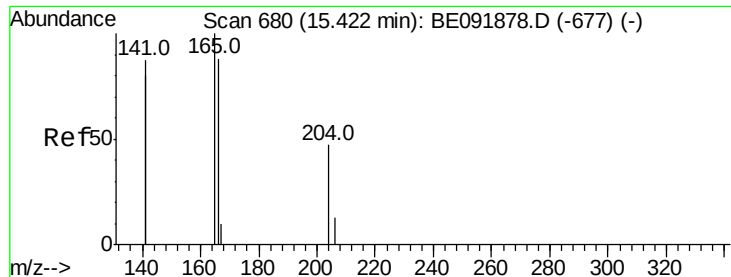
Tot Ion:165 Resp: 507
Ion Ratio Lower Upper
165 100
63 194.1 65.9 98.9#
89 17.8 59.1 88.7#



#21
2,4-Dinitrotoluene
Concen: 1.77 ng
RT: 14.38 min Scan# 628
Delta R.T. -0.40 min
Lab File: BE091891.D
Acq: 8 Jun 2016 00:42

Tgt Ion:165 Resp: 9880
Ion Ratio Lower Upper
165 100
63 1.8 0.0 0.0#
89 2.0 99.8 149.8#
182 0.0 0.0 0.0

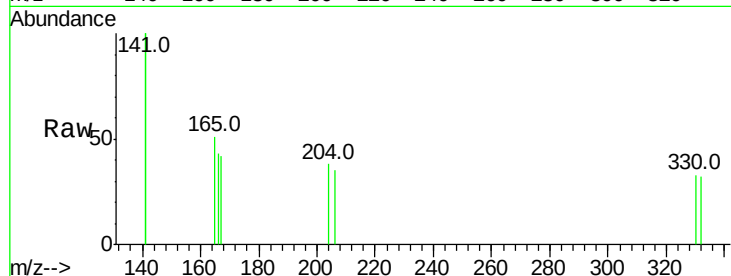




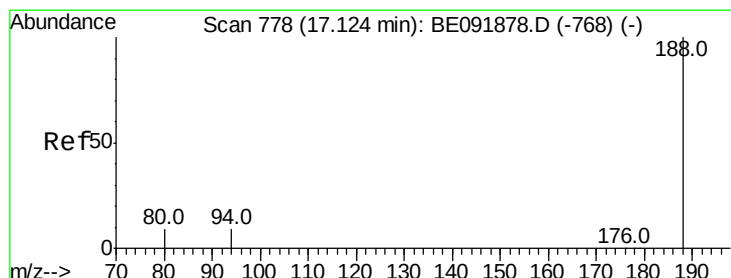
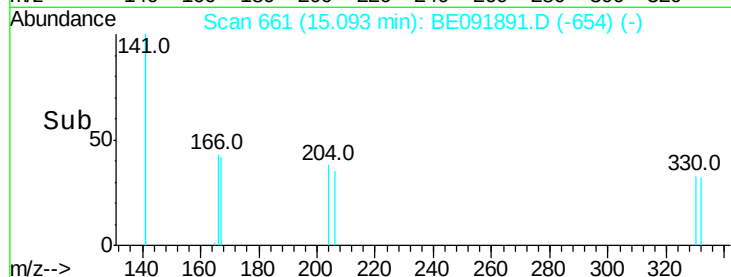
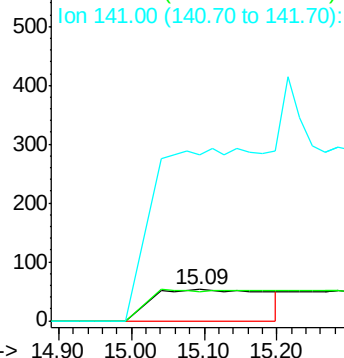
#23
4-Chlorophenyl-phenylether
Concen: 0.05 ng
RT: 15.09 min Scan# 661
Delta R.T. -0.33 min
Lab File: BE091891.D
Acq: 8 Jun 2016 00:42

Instrument :
BNA_E
ClientSampled :

Tot Ion:204 Resp: 619
Ion Ratio Lower Upper
204 100
206 0.0 27.8 41.6#
141 373.8 197.6 296.4#

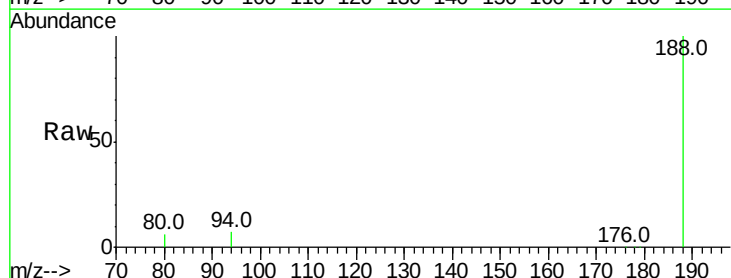


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

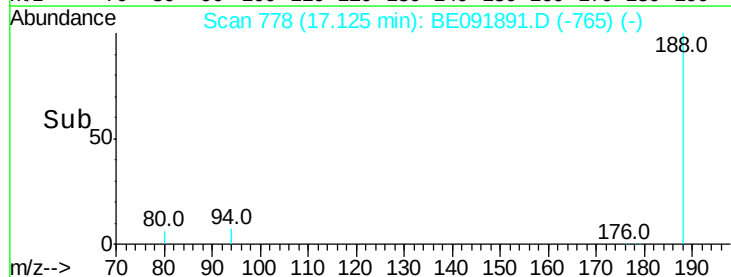
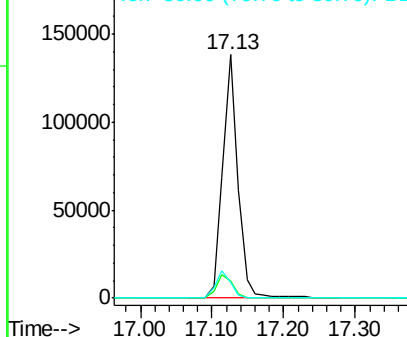


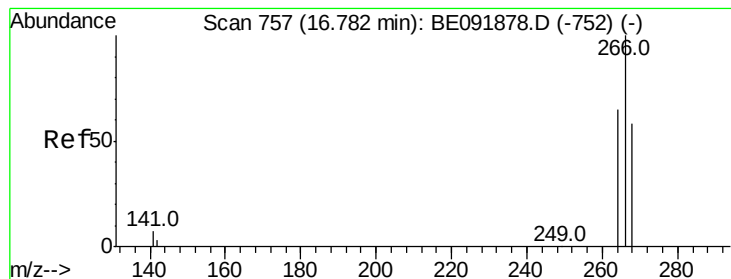
#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.13 min Scan# 778
Delta R.T. 0.00 min
Lab File: BE091891.D
Acq: 8 Jun 2016 00:42

Tgt Ion:188 Resp: 204558
Ion Ratio Lower Upper
188 100
94 6.9 4.1 6.1#
80 6.2 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: 0.08 ng

RT: 16.78 min Scan# 757

Delta R.T. 0.00 min

Lab File: BE091891.D

Acq: 8 Jun 2016 00:42

Instrument :

BNA_E

ClientSampleId :

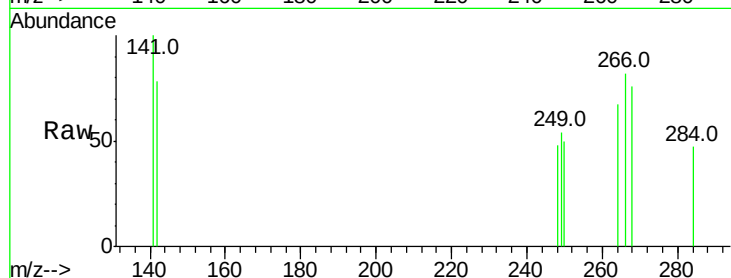
Tot Ion:266 Resp: 106

Ion Ratio Lower Upper

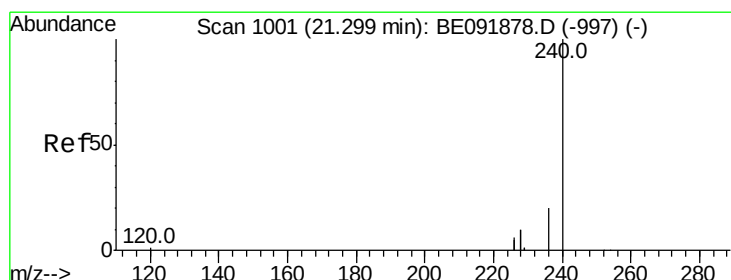
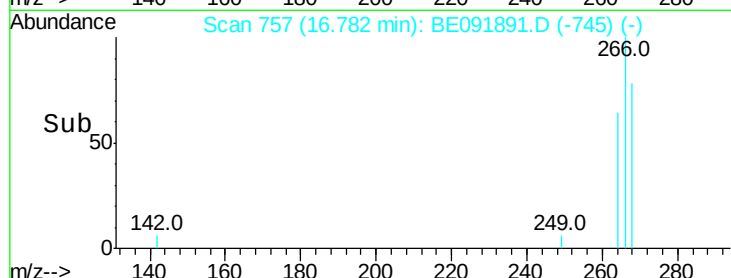
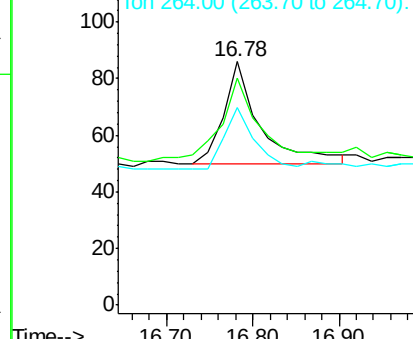
266 100

268 93.0 60.5 90.7#

264 81.4 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: BE091891.D

Acq: 8 Jun 2016 00:42

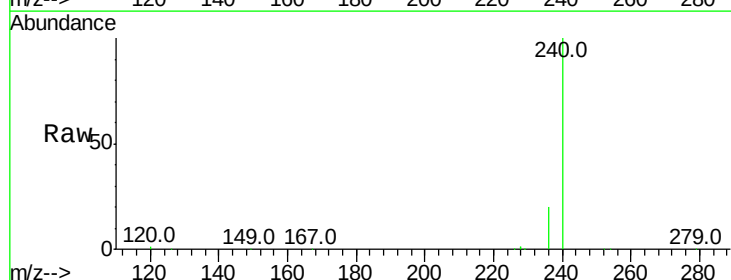
Tgt Ion:240 Resp: 183526

Ion Ratio Lower Upper

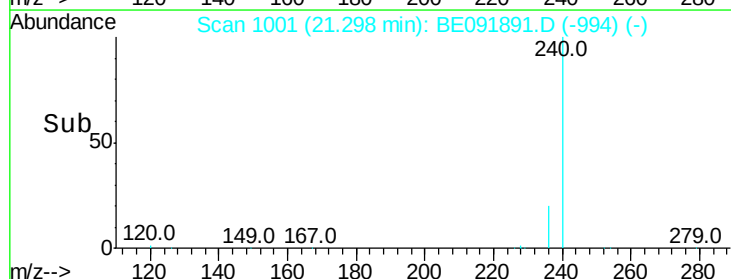
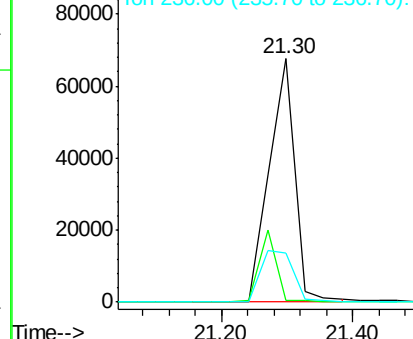
240 100

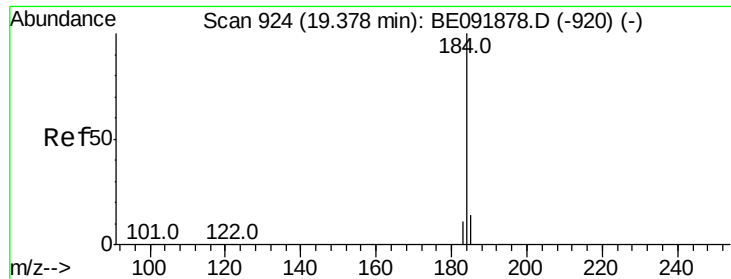
120 0.9 1.2 1.8#

236 20.2 19.8 29.8



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





#32

Benzidine

Concen: 0.29 ng

RT: 19.72 min Scan# 942

Delta R.T. 0.35 min

Lab File: BE091891.D

Acq: 8 Jun 2016 00:42

Instrument :

BNA_E

ClientSampled :

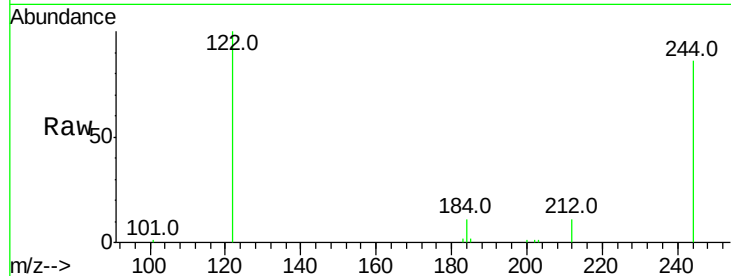
Tot Ion:184 Resp: 2889

Ion Ratio Lower Upper

184 100

185 17.1 11.4 17.2

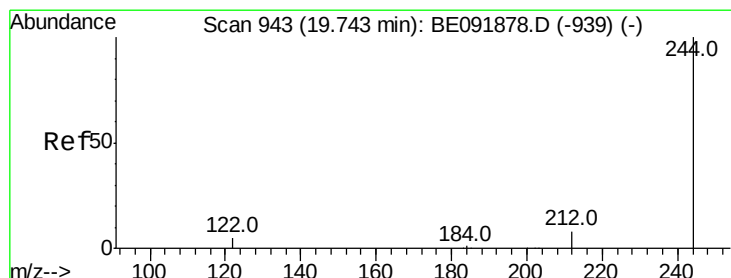
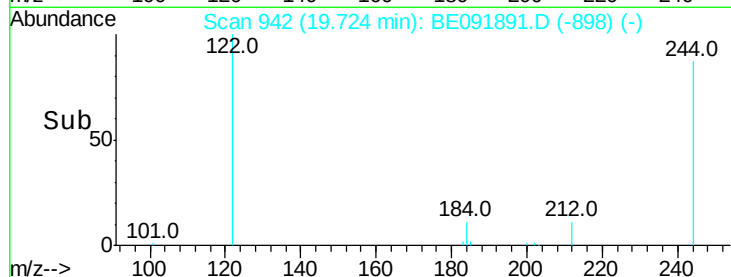
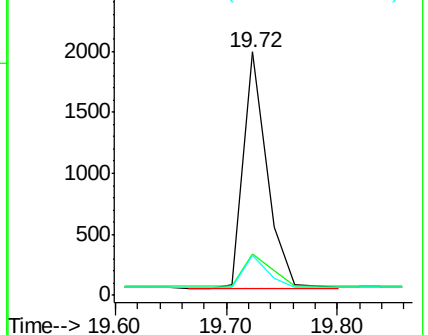
183 16.7 11.8 17.6



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: -5.00 ng

RT: 19.74 min Scan# 943

Delta R.T. 0.00 min

Lab File: BE091891.D

Acq: 8 Jun 2016 00:42

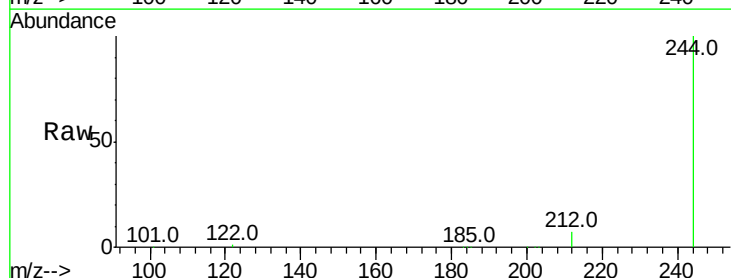
Tgt Ion:244 Resp: 177851

Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

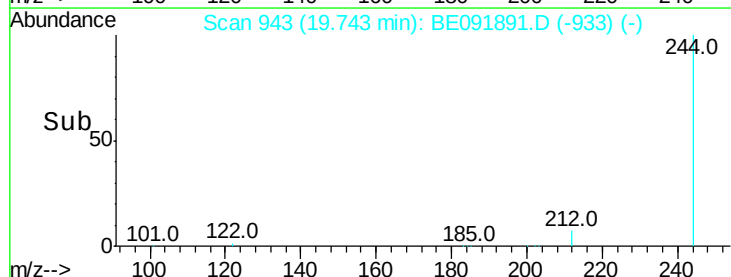
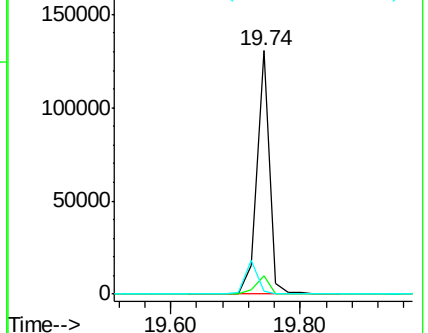
122 1.3 2.9 4.3#

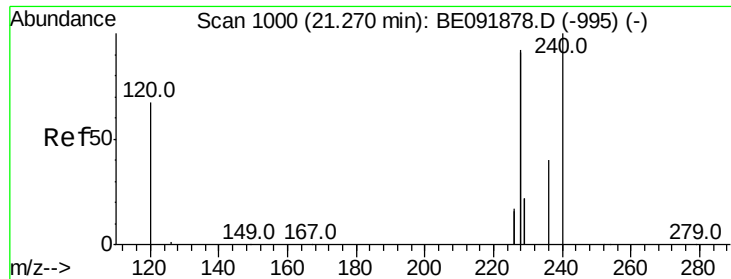


Abundance Ion 244.00 (243.70 to 244.70): E

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: BE091891.D

Acq: 8 Jun 2016 00:42

Instrument :

BNA_E

ClientSampleId :

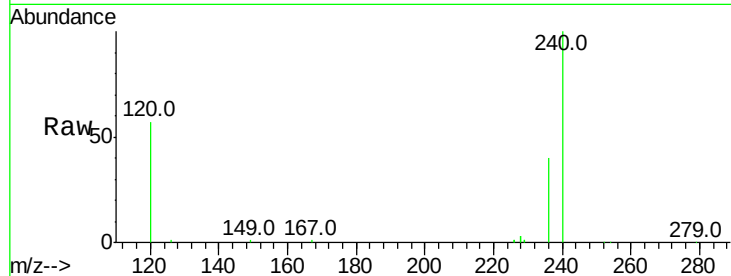
Tot Ion:228 Resp: 6374

Ion Ratio Lower Upper

228 100

226 21.7 21.0 31.4

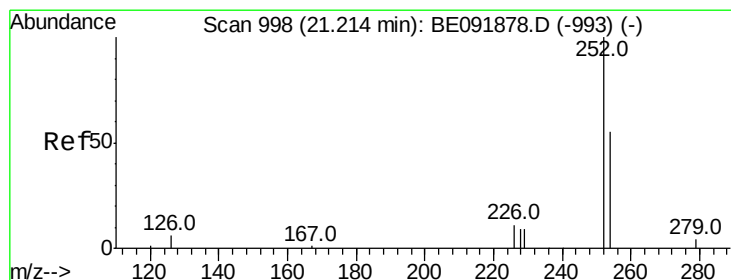
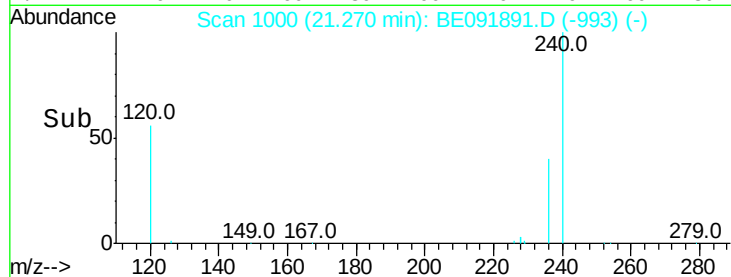
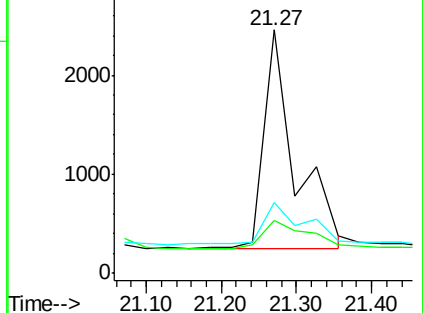
229 29.1 15.8 23.8#



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: 0.11 ng

RT: 21.33 min Scan# 1002

Delta R.T. 0.11 min

Lab File: BE091891.D

Acq: 8 Jun 2016 00:42

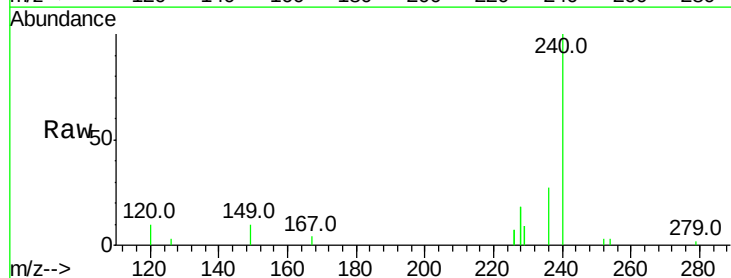
Tgt Ion:252 Resp: 99

Ion Ratio Lower Upper

252 100

254 80.0 61.5 92.3

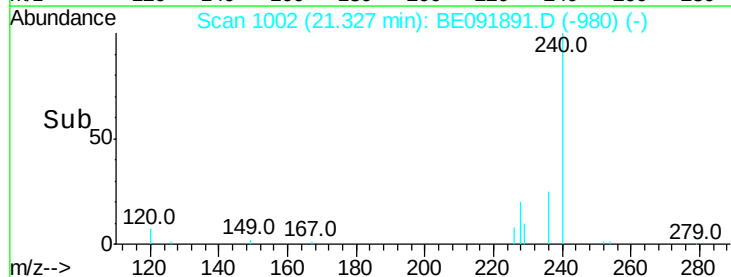
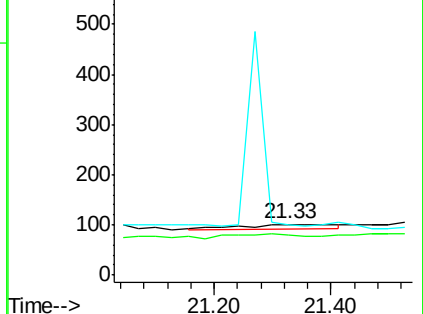
126 101.0 2.5 3.7#

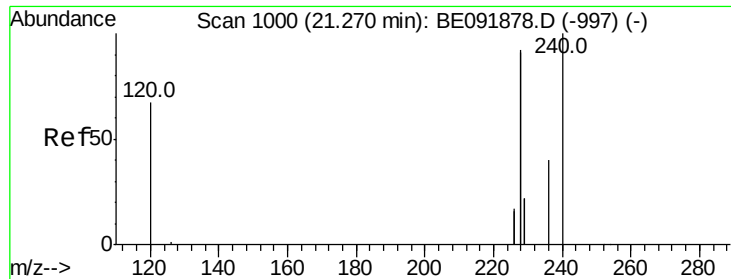


Abundance Ion 252.00 (251.70 to 252.70): E

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: BE091891.D

Acq: 8 Jun 2016 00:42

Instrument :

BNA_E

ClientSampleId :

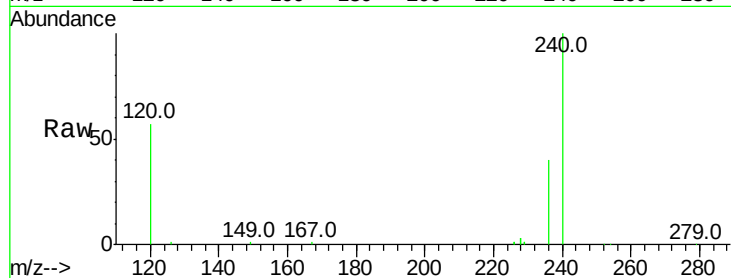
Tot Ion:228 Resp: 6514

Ion Ratio Lower Upper

228 100

226 21.7 27.0 40.6#

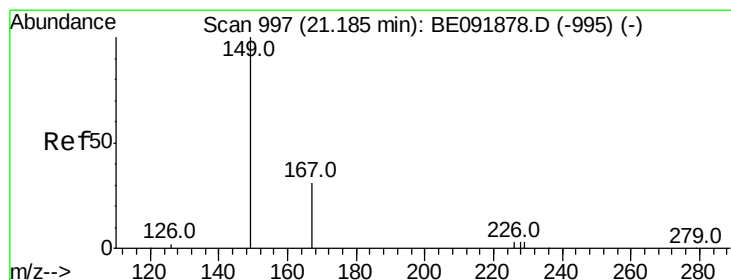
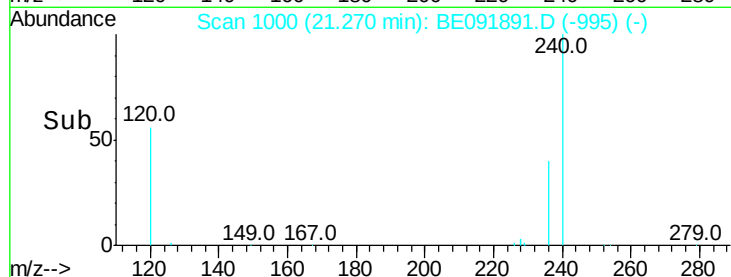
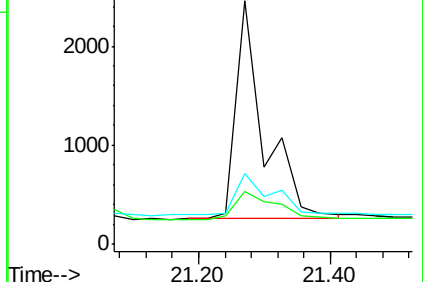
229 29.1 13.8 20.8#



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: BE091891.D

Acq: 8 Jun 2016 00:42

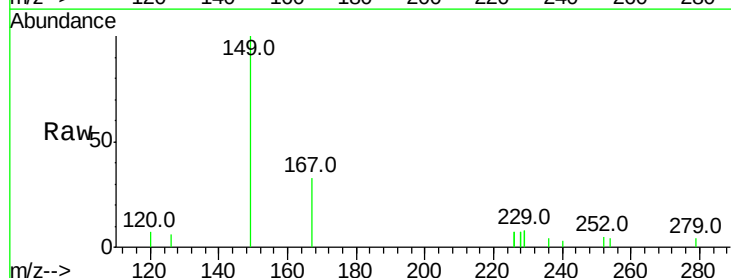
Tgt Ion:149 Resp: 2761

Ion Ratio Lower Upper

149 100

167 31.9 0.0 0.0#

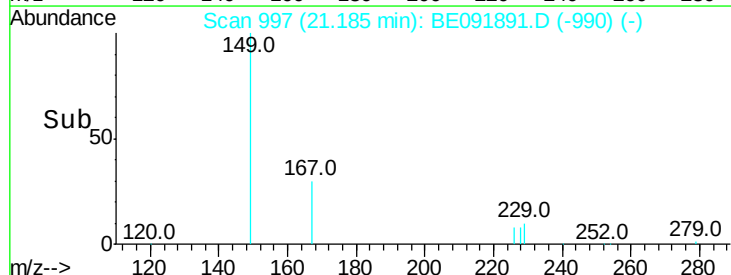
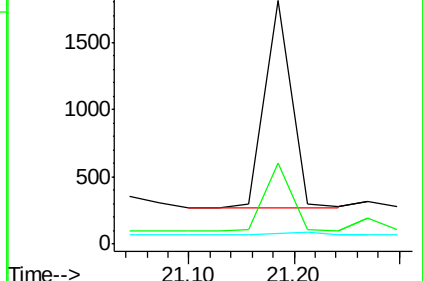
279 0.0 0.0 0.0

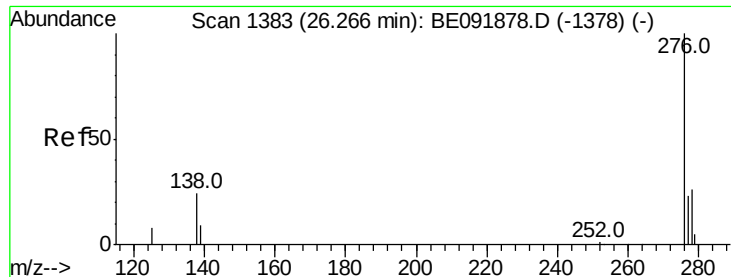


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#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: BE091891.D

Acq: 8 Jun 2016 00:42

Instrument :

BNA_E

ClientSampleId :

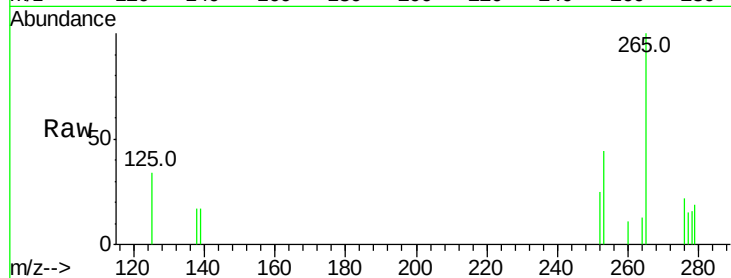
Tot Ion:276 Resp: 238

Ion Ratio Lower Upper

276 100

138 0.0 19.7 29.5#

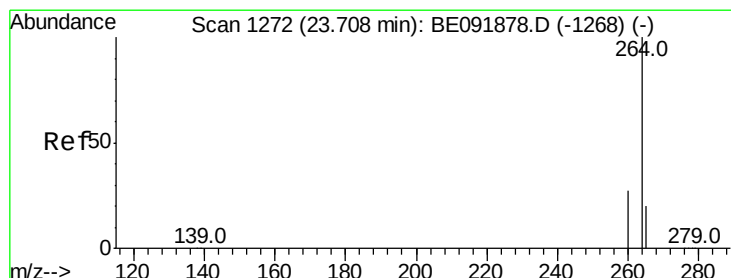
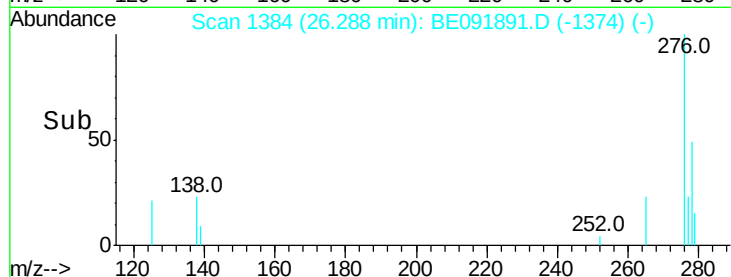
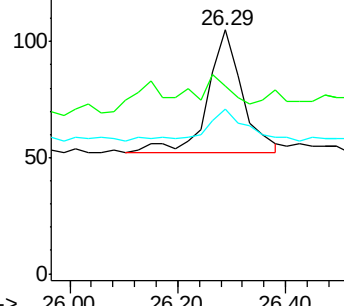
277 31.5 20.1 30.1#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#40

Perylene-d12

Concen: 5.00 ng

RT: 23.71 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE091891.D

Acq: 8 Jun 2016 00:42

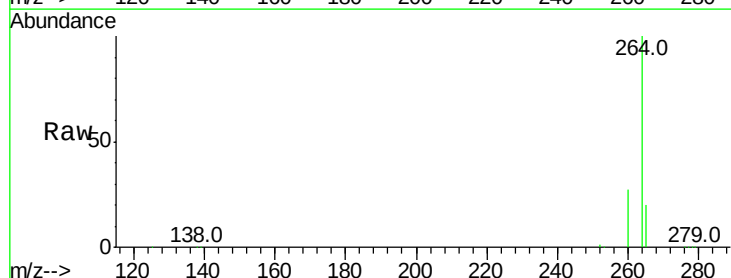
Tgt Ion:264 Resp: 238665

Ion Ratio Lower Upper

264 100

260 27.1 20.3 30.5

265 20.4 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

