

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE060816\
 Data File : BE091901.D
 Acq On : 8 Jun 2016 15:05
 Operator : UM/SJ
 Sample : PB91035BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB91035BL

Quant Time: Jun 09 01:14:10 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 08 16:11:34 2016
 Response via : Initial Calibration

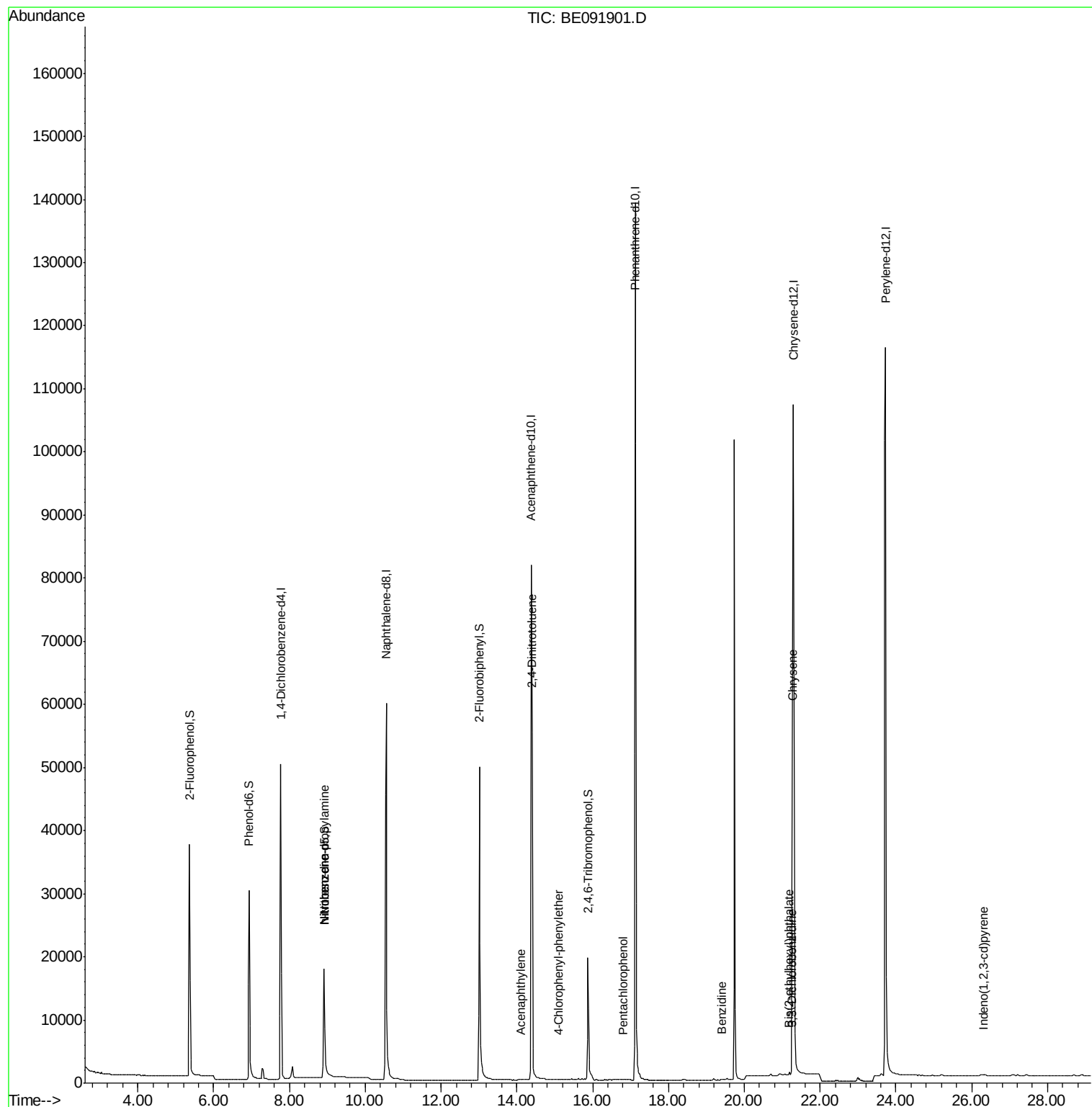
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	25577	5.00	ng	0.00
8) Naphthalene-d8	10.55	136	114922	5.00	ng	0.00
15) Acenaphthene-d10	14.38	164	68775	5.00	ng	0.00
24) Phenanthrene-d10	17.12	188	227225	5.00	ng	0.00
31) Chrysene-d12	21.30	240	190724	5.00	ng	0.00
40) Perylene-d12	23.73	264	228529	5.00	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	30459	5.58	ng	-0.01
5) Phenol-d6	6.94	99	40075	5.93	ng	-0.02
9) Nitrobenzene-d5	8.91	82	21794	2.53	ng	-0.02
16) 2,4,6-Tribromophenol	15.87	330	11659	5.95	ng	-0.02
17) 2-Fluorobiphenyl	13.01	172	60758	2.91	ng	0.00
34) Terphenyl-d14	19.74	244	121944	-5.00	ng	0.00
Target Compounds						
7) n-Nitroso-di-n-propylamine	8.91	70	2521	0.44	ng	# 87
10) Nitrobenzene	8.91	77	63	0.06	ng	# 1
18) Acenaphthylene	14.10	152	630	0.02	ng	# 1
21) 2,4-Dinitrotoluene	14.40	165	8961	1.79	ng	# 1
23) 4-Chlorophenyl-phenylether	15.09	204	407	0.04	ng	# 1
27) Pentachlorophenol	16.80	266	99	0.08	ng	# 83
32) Benzdine	19.40	184	438	0.13	ng	# 26
35) Benzo(a)anthracene	21.27	228	8257	Below Cal		# 89
36) 3,3'-Dichlorobenzidine	21.24	252	90	0.11	ng	# 89
37) Chrysene	21.27	228	8356	0.04	ng	# 79
38) Bis(2-ethylhexyl)phthalate	21.19	149	632	0.14	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.31	276	355	0.05	ng	# 75

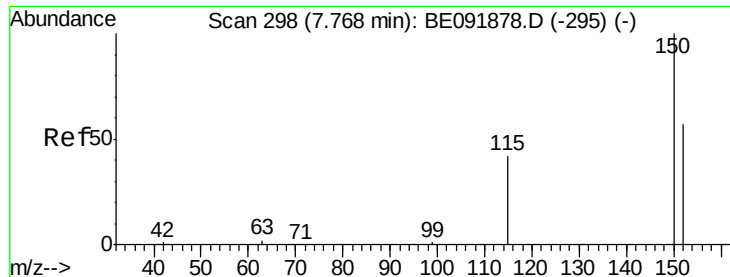
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091901.D

Acq: 8 Jun 2016 15:05

Instrument :

BNA_E

ClientSampleId :

PB91035BL

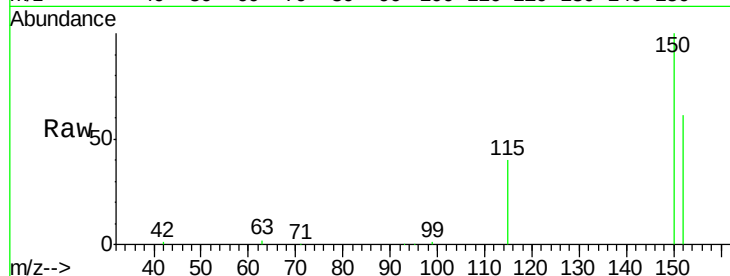
Tgt Ion:152 Resp: 25577

Ion Ratio Lower Upper

152 100

150 163.1 123.9 185.9

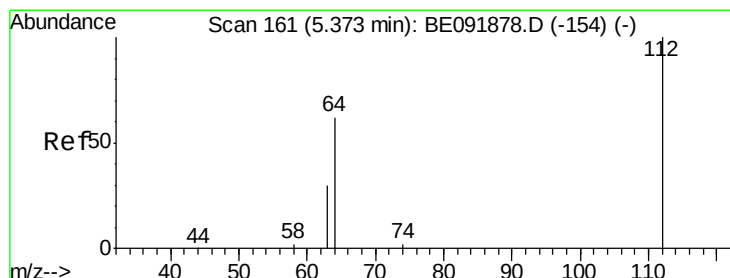
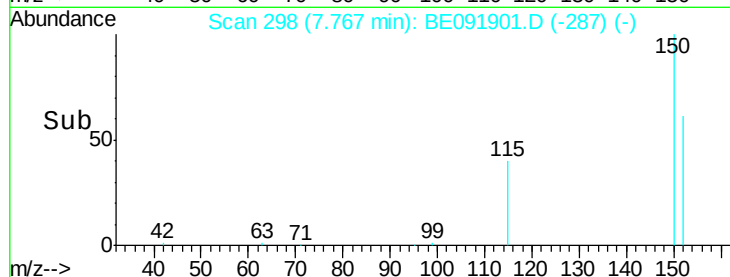
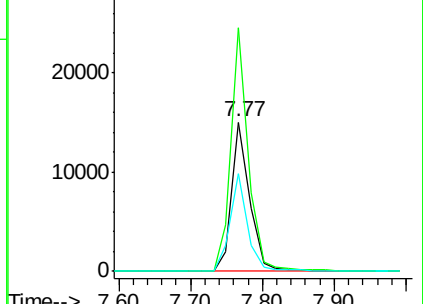
115 65.5 48.3 72.5



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: 5.58 ng

RT: 5.36 min Scan# 160

Delta R.T. -0.01 min

Lab File: BE091901.D

Acq: 8 Jun 2016 15:05

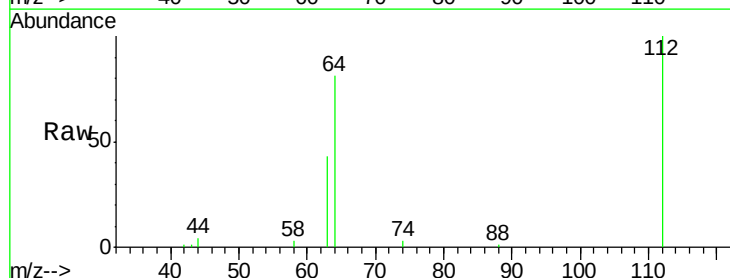
Tgt Ion:112 Resp: 30459

Ion Ratio Lower Upper

112 100

64 67.5 53.7 80.5

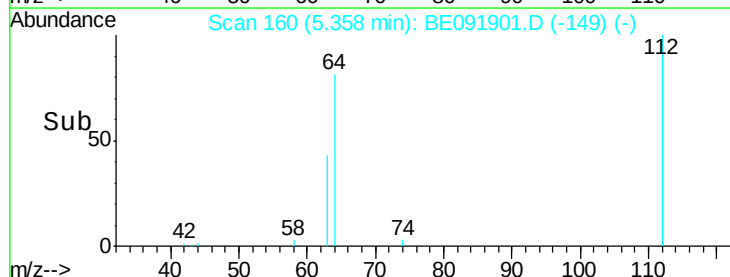
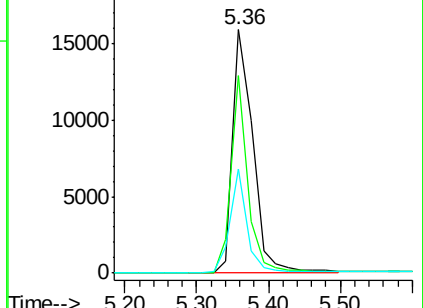
63 36.0 29.5 44.3

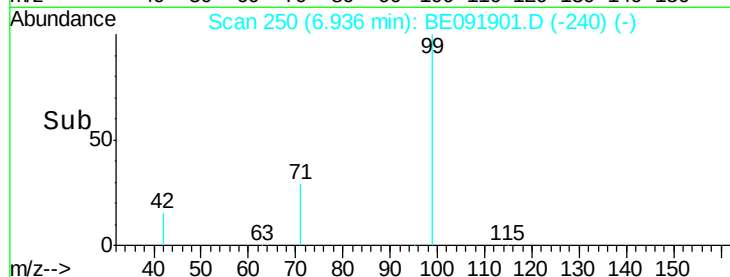
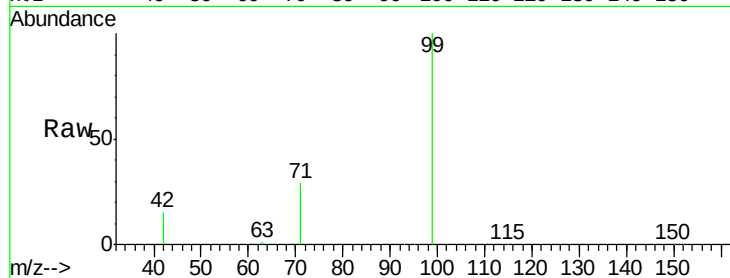
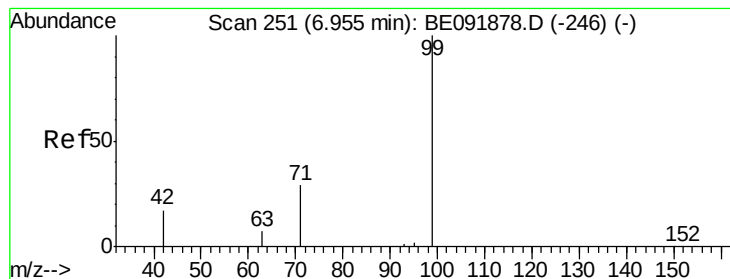


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 5.93 ng

RT: 6.94 min Scan# 250

Delta R.T. -0.02 min

Lab File: BE091901.D

Acq: 8 Jun 2016 15:05

Instrument :

BNA_E

ClientSampled :

PB91035BL

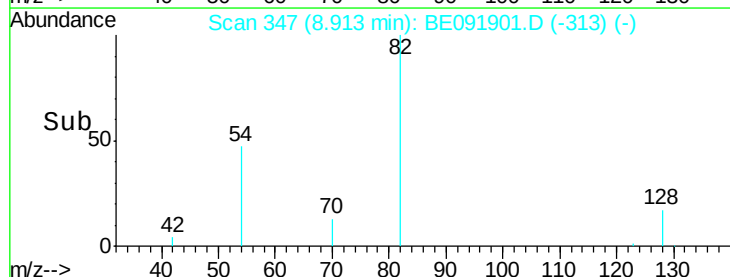
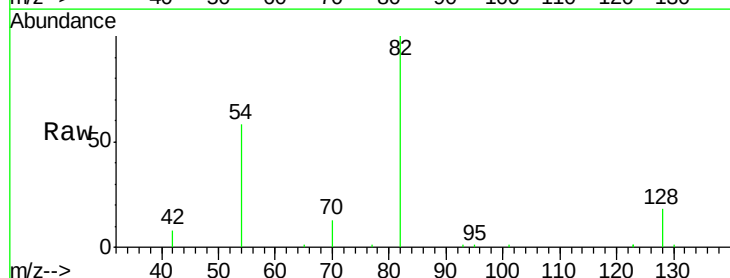
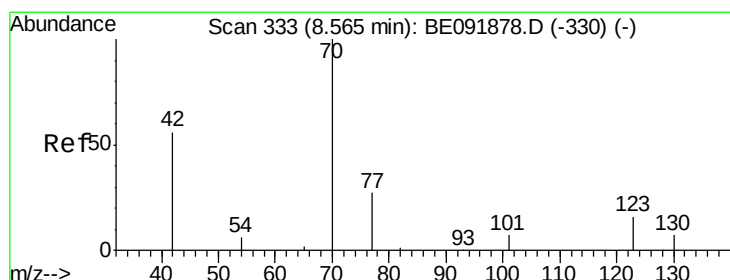
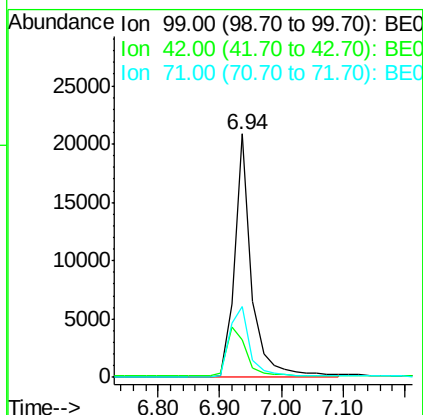
Tgt Ion: 99 Resp: 40075

Ion Ratio Lower Upper

99 100

42 24.0 19.6 29.4

71 35.2 28.1 42.1



#7

n-Nitroso-di-n-propylamine

Concen: 0.44 ng

RT: 8.91 min Scan# 347

Delta R.T. 0.35 min

Lab File: BE091901.D

Acq: 8 Jun 2016 15:05

Tgt Ion: 70 Resp: 2521

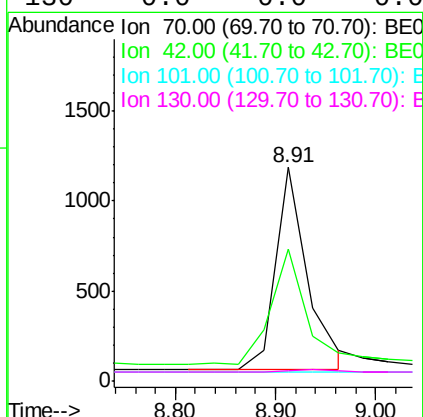
Ion Ratio Lower Upper

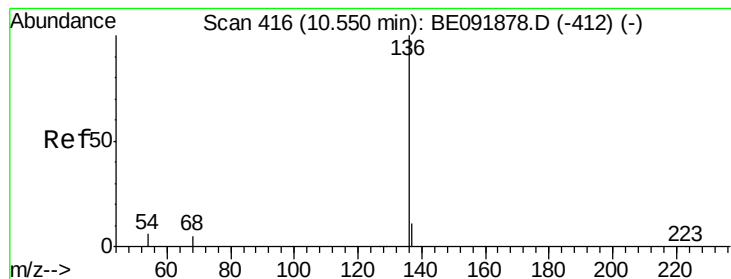
70 100

42 63.0 58.4 87.6

101 0.1 6.4 9.6#

130 0.0 0.0 0.0





#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 416

Delta R.T. 0.00 min

Lab File: BE091901.D

Acq: 8 Jun 2016 15:05

Instrument :

BNA_E

ClientSampleId :

PB91035BL

Tgt Ion: 136 Resp: 114922

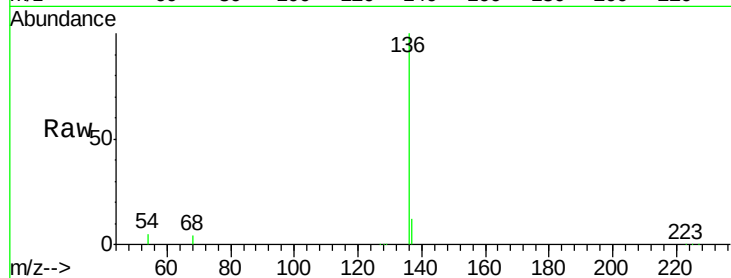
Ion Ratio Lower Upper

136 100

137 11.8 8.3 12.5

54 4.9 8.2 12.4#

68 4.0 5.9 8.9#

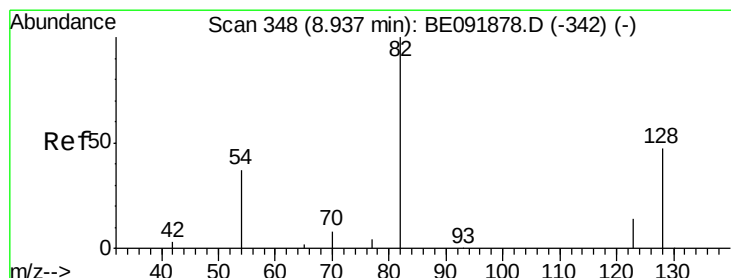
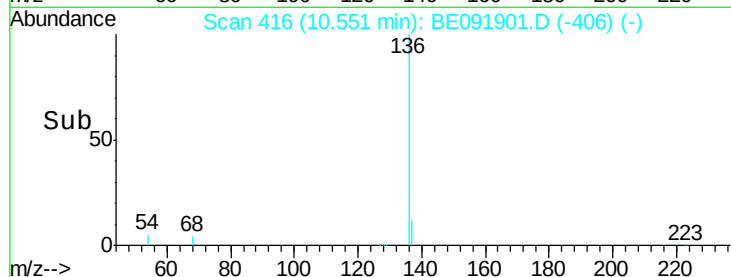
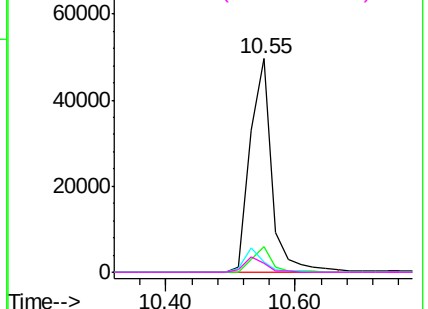


Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.53 ng

RT: 8.91 min Scan# 347

Delta R.T. -0.02 min

Lab File: BE091901.D

Acq: 8 Jun 2016 15:05

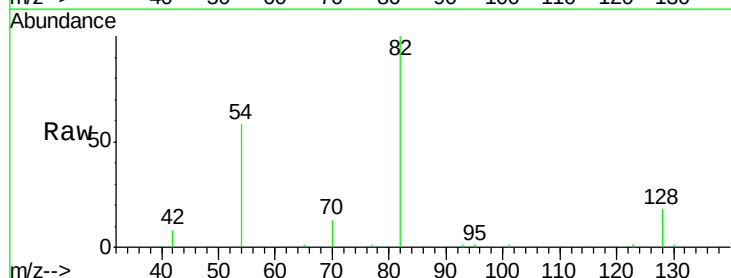
Tgt Ion: 82 Resp: 21794

Ion Ratio Lower Upper

82 100

128 17.8 39.5 59.3#

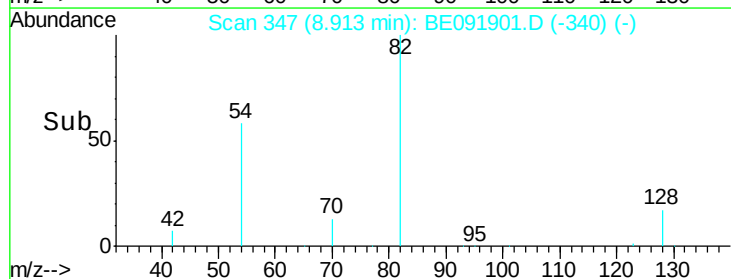
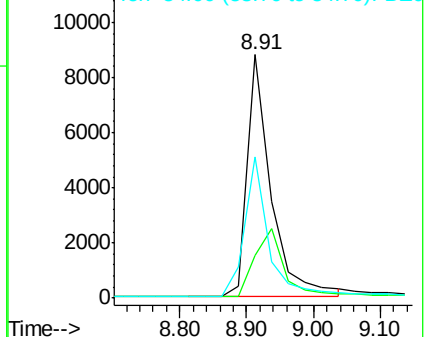
54 58.0 30.3 45.5#

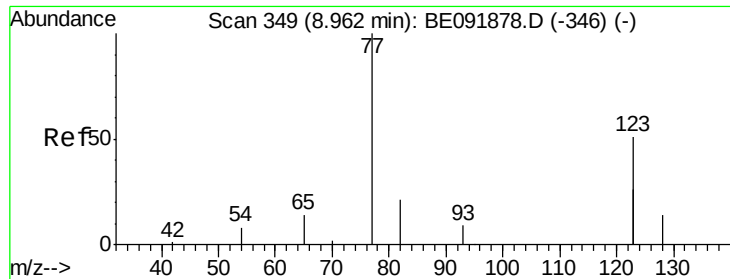


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

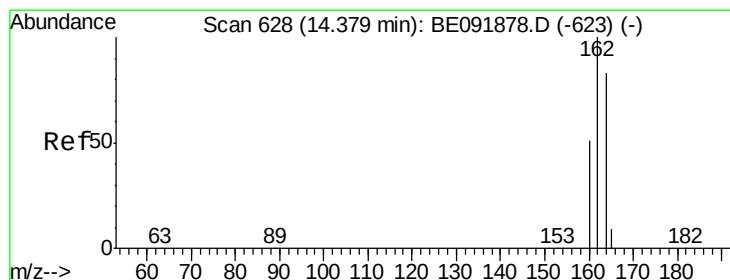
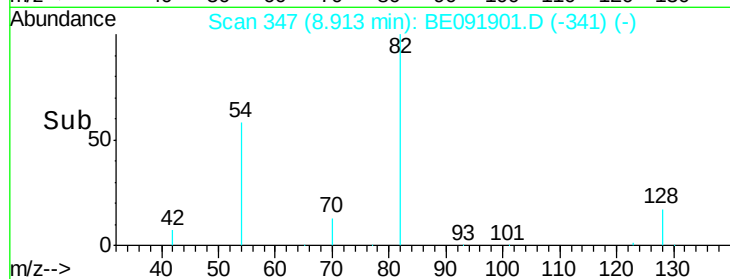
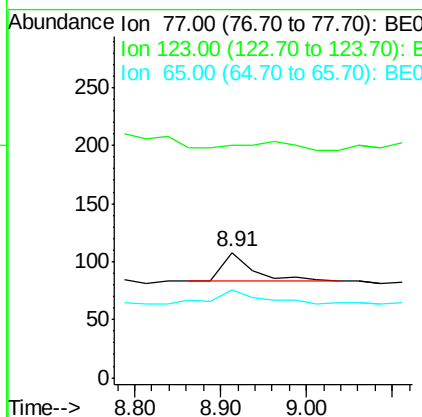
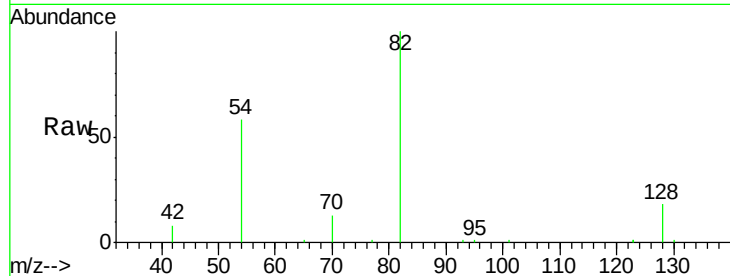




#10
Nitrobenzene
Concen: 0.06 ng
RT: 8.91 min Scan# 347
Delta R.T. -0.05 min
Lab File: BE091901.D
Acq: 8 Jun 2016 15:05

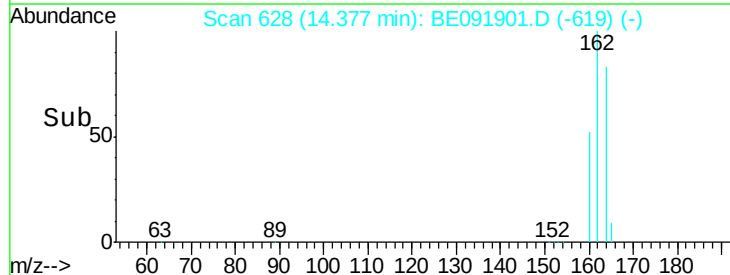
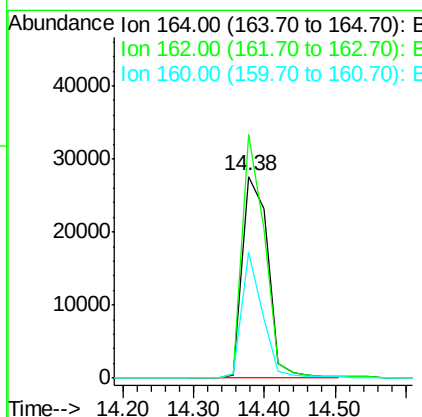
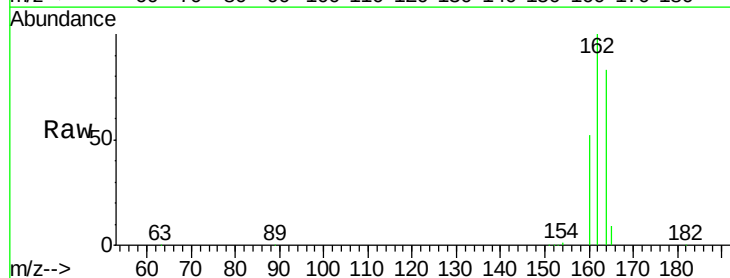
Instrument :
BNA_E
ClientSampleId :
PB91035BL

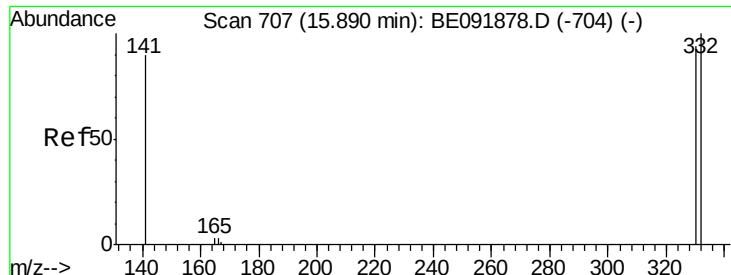
Tgt Ion: 77 Resp: 63
Ion Ratio Lower Upper
77 100
123 0.0 0.0 0.0
65 68.3 11.1 16.7#



#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.38 min Scan# 628
Delta R.T. -0.00 min
Lab File: BE091901.D
Acq: 8 Jun 2016 15:05

Tgt Ion: 164 Resp: 68775
Ion Ratio Lower Upper
164 100
162 120.5 71.8 107.8#
160 62.4 28.0 42.0#

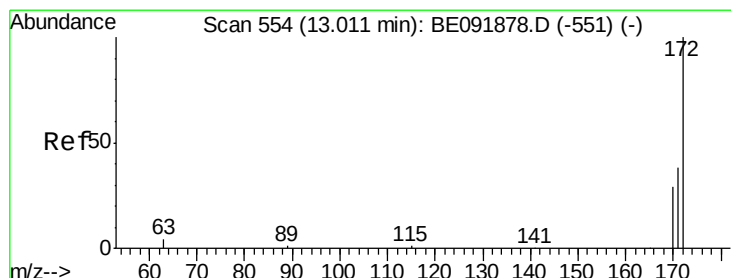
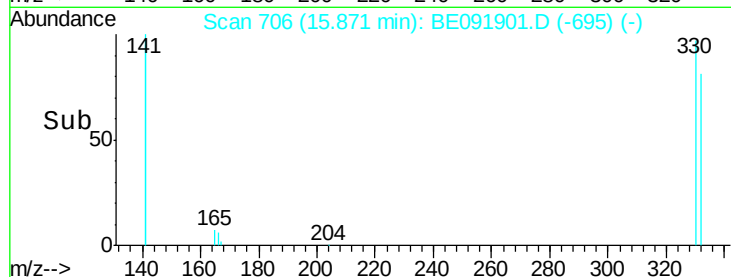
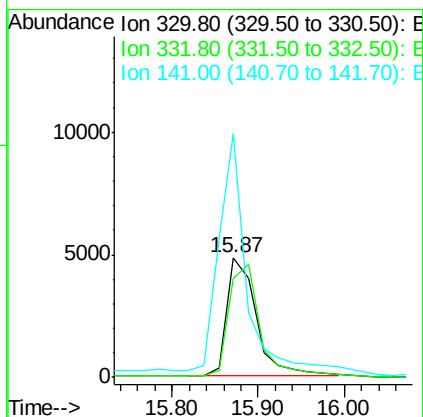
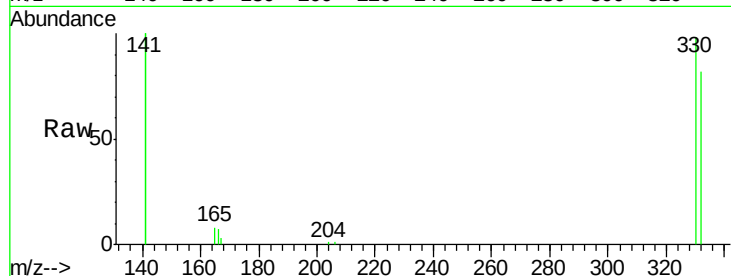




#16
 2,4,6-Tribromophenol
 Concen: 5.95 ng
 RT: 15.87 min Scan# 706
 Delta R.T. -0.02 min
 Lab File: BE091901.D
 Acq: 8 Jun 2016 15:05

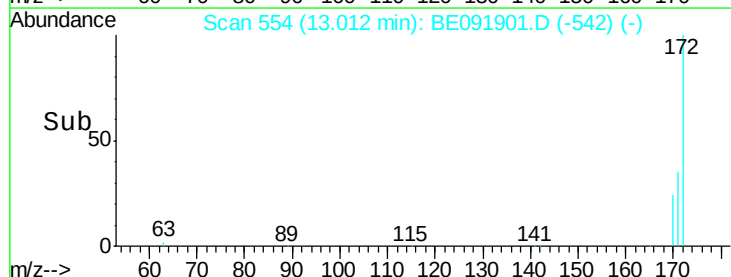
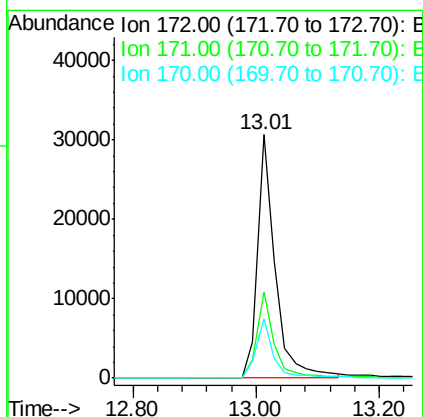
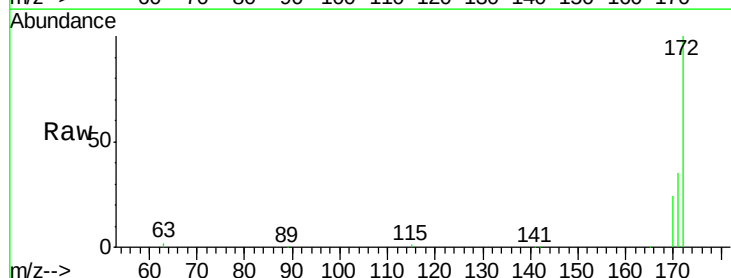
Instrument :
 BNA_E
 ClientSampleId :
 PB91035BL

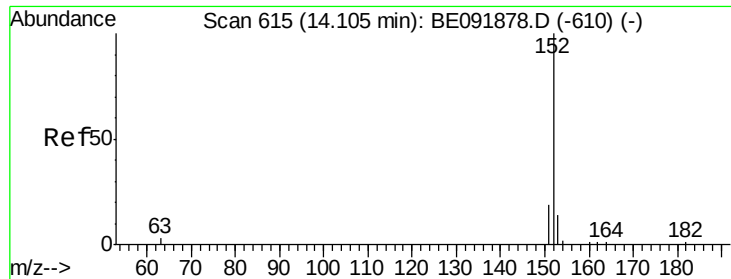
Tgt Ion:330 Resp: 11659
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.0 115.6
 141 178.1 138.4 207.6



#17
 2-Fluorobiphenyl
 Concen: 2.91 ng
 RT: 13.01 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: BE091901.D
 Acq: 8 Jun 2016 15:05

Tgt Ion:172 Resp: 60758
 Ion Ratio Lower Upper
 172 100
 171 35.1 24.3 36.5
 170 24.3 14.9 22.3#





#18

Acenaphthylene

Concen: 0.02 ng

RT: 14.10 min Scan# 615

Delta R.T. -0.00 min

Lab File: BE091901.D

Acq: 8 Jun 2016 15:05

Instrument :

BNA_E

ClientSampleId :

PB91035BL

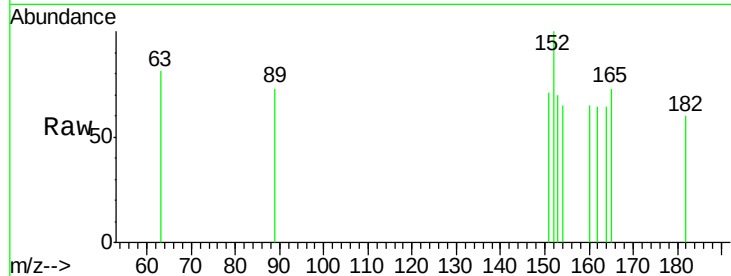
Tgt Ion:152 Resp: 630

Ion Ratio Lower Upper

152 100

151 80.0 19.4 29.2#

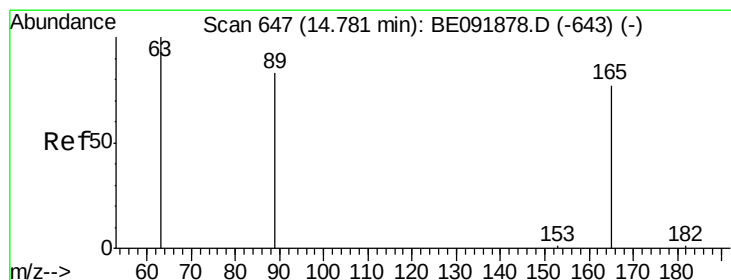
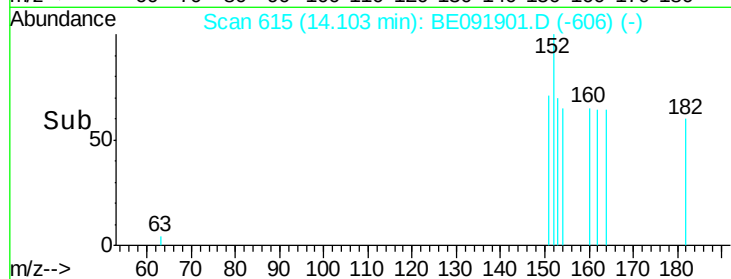
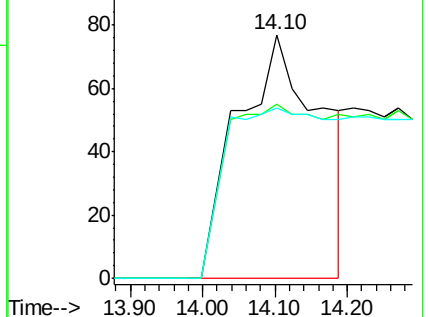
153 89.8 14.4 21.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#21

2,4-Dinitrotoluene

Concen: 1.79 ng

RT: 14.40 min Scan# 629

Delta R.T. -0.38 min

Lab File: BE091901.D

Acq: 8 Jun 2016 15:05

Tgt Ion:165 Resp: 8961

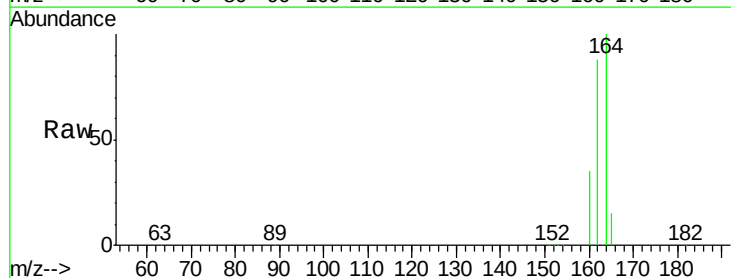
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 0.0 0.0 0.0

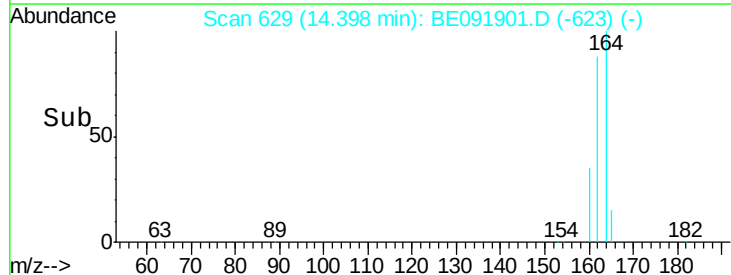
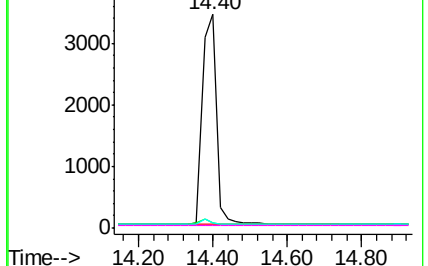


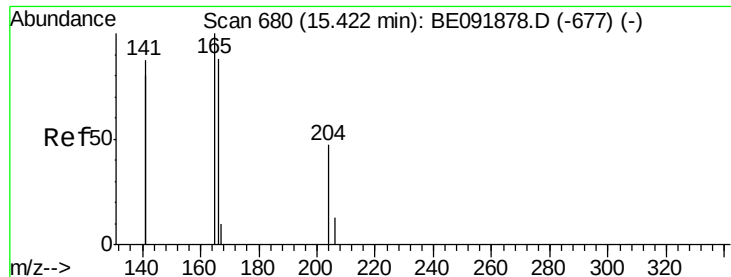
Abundance Ion 165.00 (164.70 to 165.70): E

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

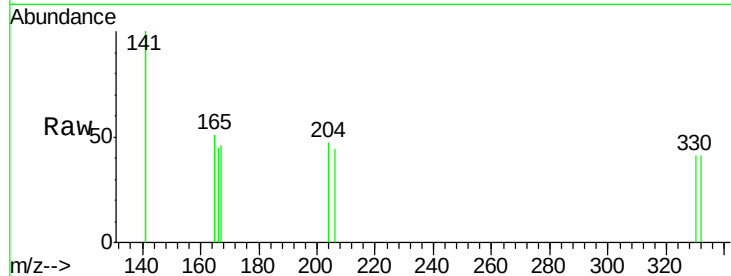




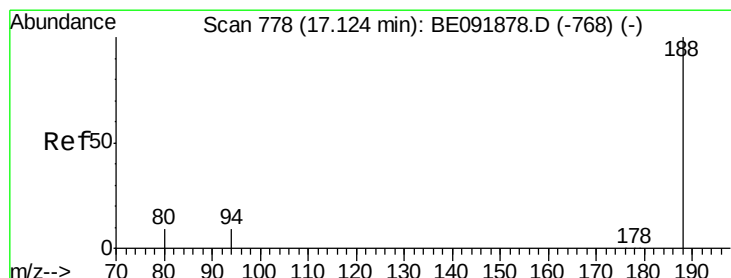
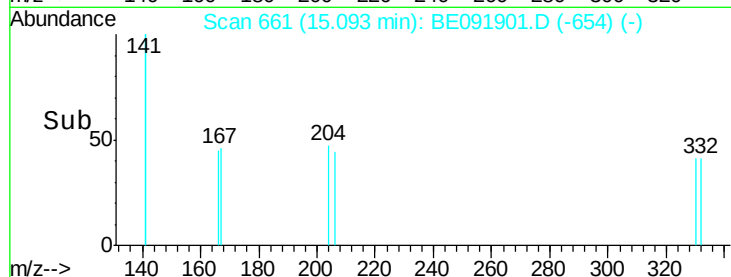
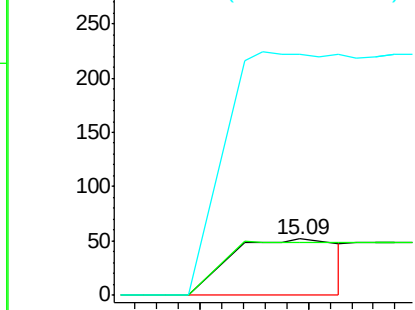
#23
4-Chlorophenyl-phenylether
Concen: 0.04 ng
RT: 15.09 min Scan# 661
Delta R.T. -0.33 min
Lab File: BE091901.D
Acq: 8 Jun 2016 15:05

Instrument :
BNA_E
ClientSampleId :
PB91035BL

Tgt Ion: 204 Resp: 407
Ion Ratio Lower Upper
204 100
206 0.0 27.8 41.6#
141 0.0 197.6 296.4#

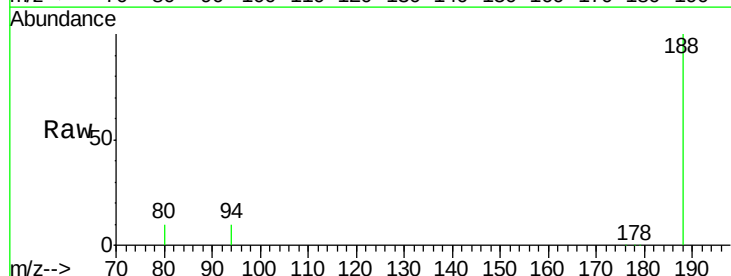


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

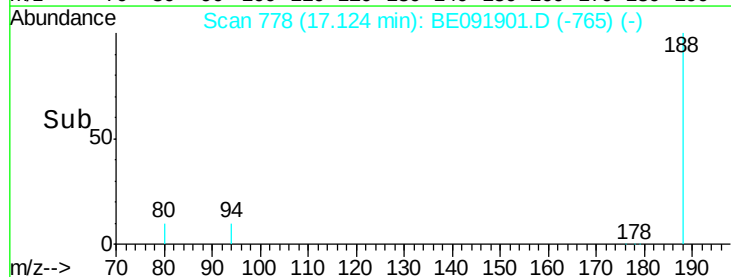
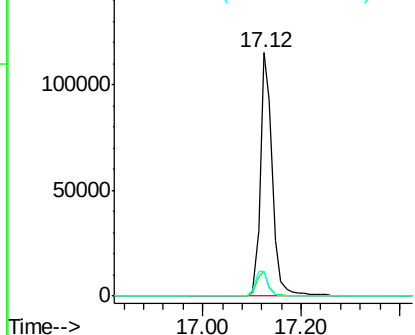


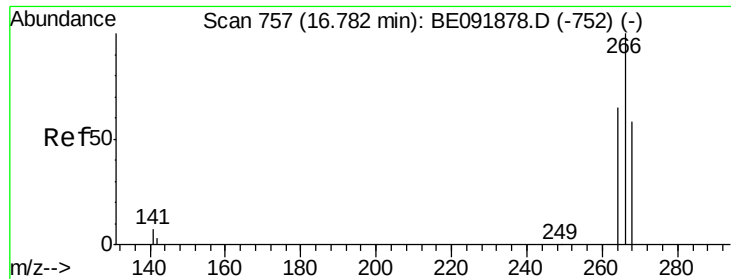
#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.12 min Scan# 778
Delta R.T. 0.00 min
Lab File: BE091901.D
Acq: 8 Jun 2016 15:05

Tgt Ion: 188 Resp: 227225
Ion Ratio Lower Upper
188 100
94 10.4 4.1 6.1#
80 10.3 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: 16.80 min Scan# 758

Delta R.T. 0.02 min

Lab File: BE091901.D

Acq: 8 Jun 2016 15:05

Instrument :

BNA_E

ClientSampleId :

PB91035BL

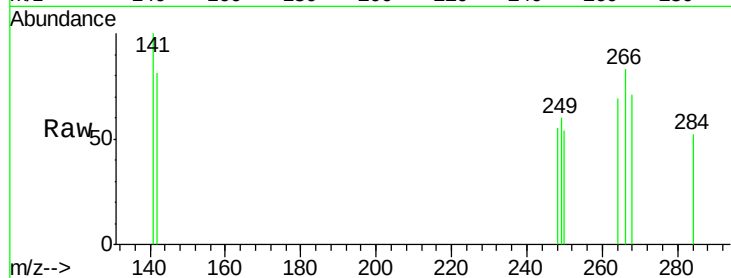
Tgt Ion:266 Resp: 99

Ion Ratio Lower Upper

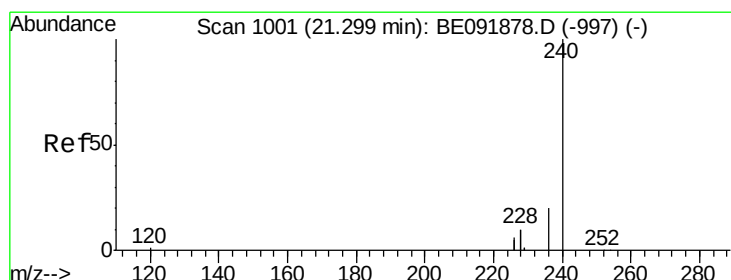
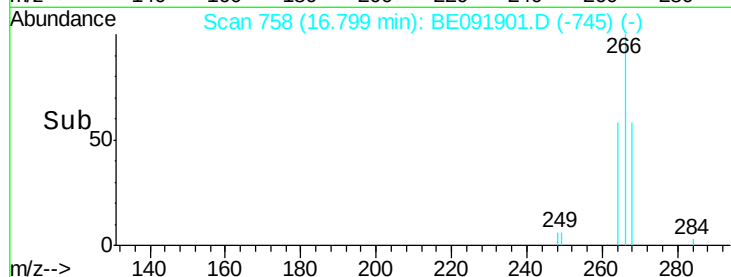
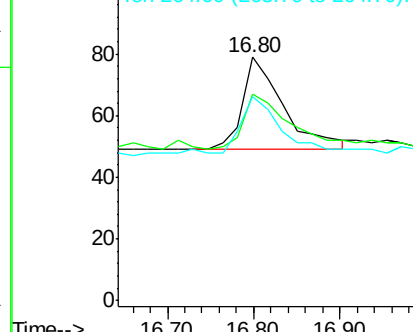
266 100

268 84.8 60.5 90.7

264 83.5 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: BE091901.D

Acq: 8 Jun 2016 15:05

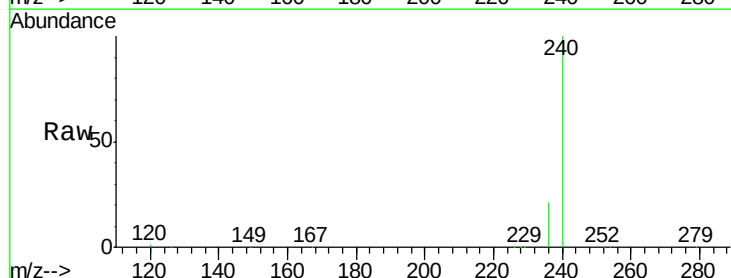
Tgt Ion:240 Resp: 190724

Ion Ratio Lower Upper

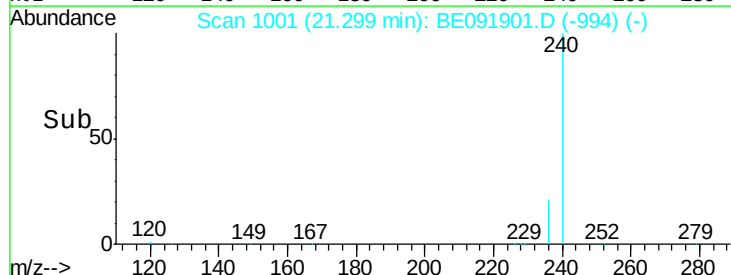
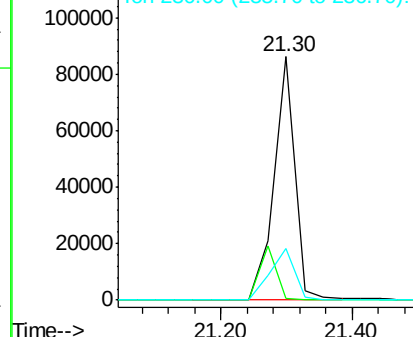
240 100

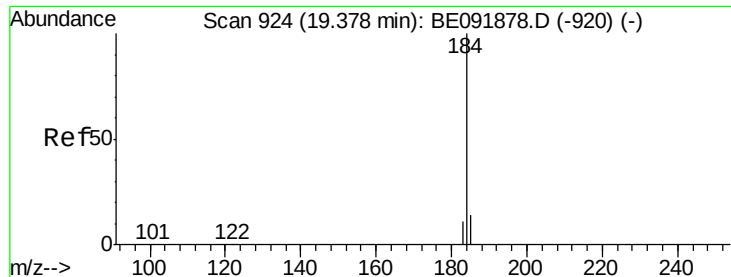
120 0.7 1.2 1.8#

236 21.3 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: 0.13 ng

RT: 19.40 min Scan# 925

Delta R.T. 0.02 min

Lab File: BE091901.D

Acq: 8 Jun 2016 15:05

Instrument :

BNA_E

ClientSampleId :

PB91035BL

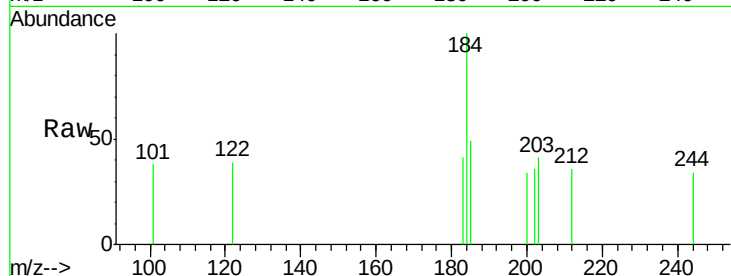
Tgt Ion:184 Resp: 438

Ion Ratio Lower Upper

184 100

185 48.6 11.4 17.2#

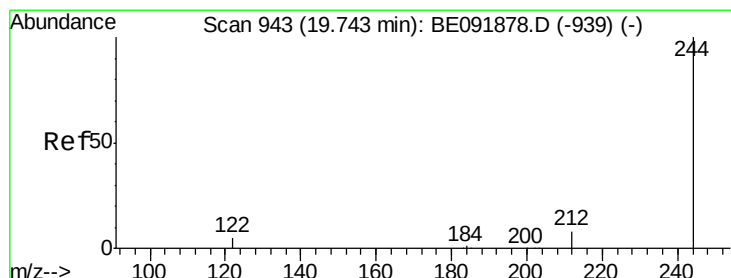
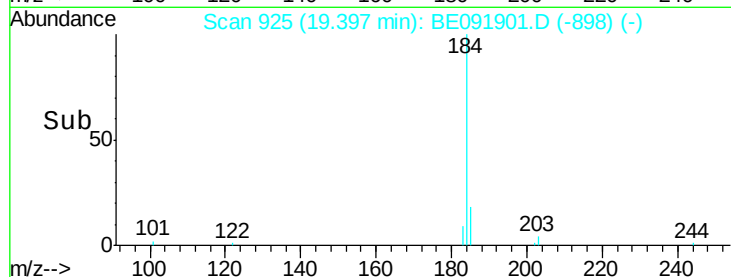
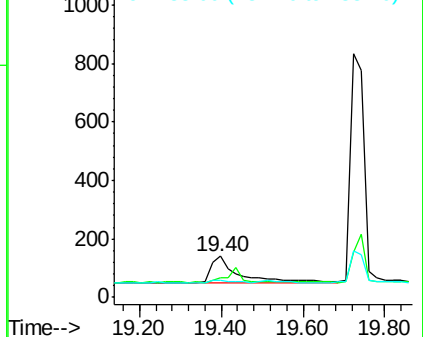
183 41.4 11.8 17.6#



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: BE091901.D

Acq: 8 Jun 2016 15:05

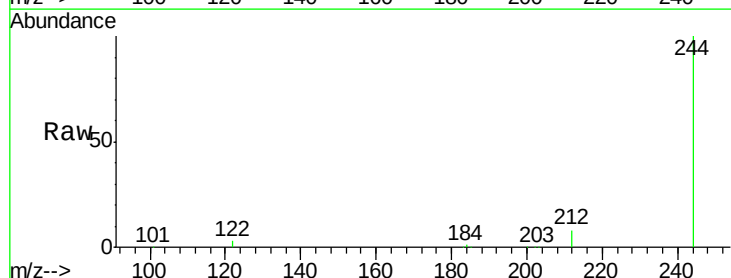
Tgt Ion:244 Resp: 121944

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

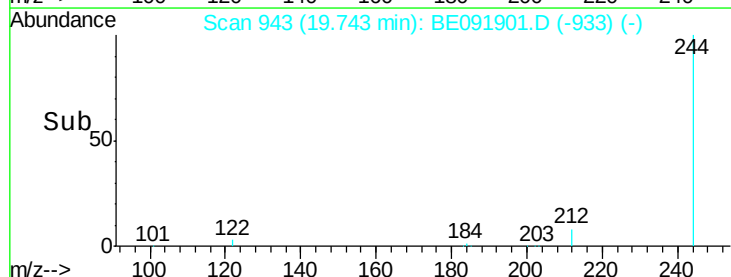
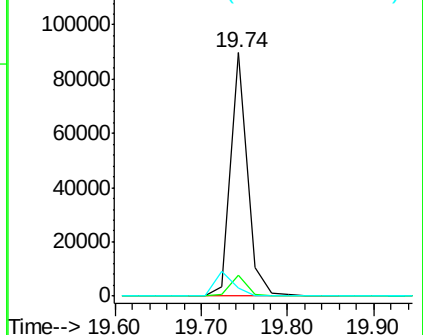
122 3.2 2.9 4.3

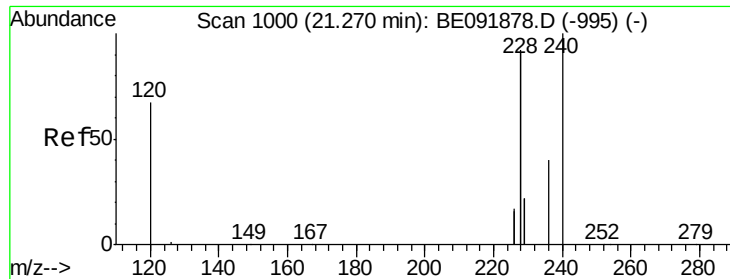


Abundance Ion 244.00 (243.70 to 244.70): E

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: BE091901.D

Acq: 8 Jun 2016 15:05

Instrument :

BNA_E

ClientSampleId :

PB91035BL

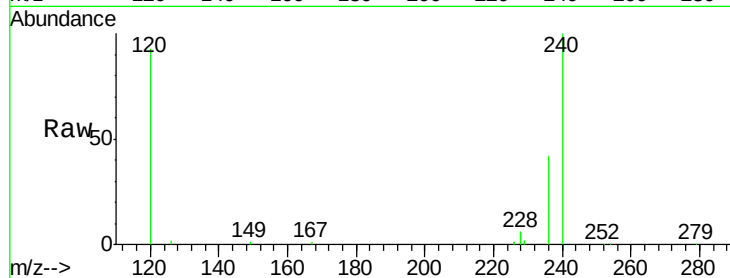
Tgt Ion:228 Resp: 8257

Ion Ratio Lower Upper

228 100

226 21.9 21.0 31.4

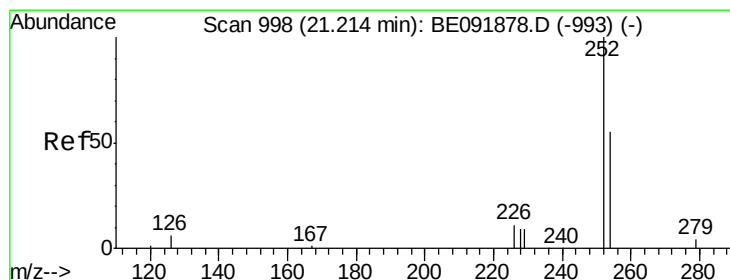
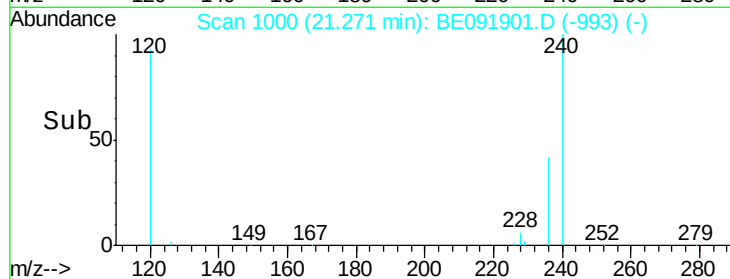
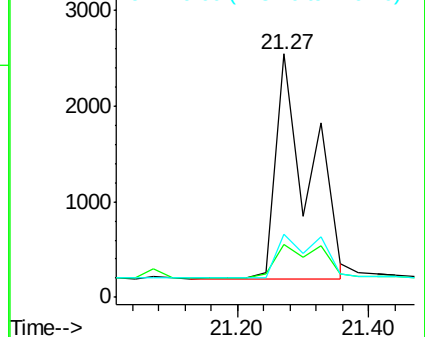
229 26.0 15.8 23.8#



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: 0.11 ng

RT: 21.24 min Scan# 999

Delta R.T. 0.03 min

Lab File: BE091901.D

Acq: 8 Jun 2016 15:05

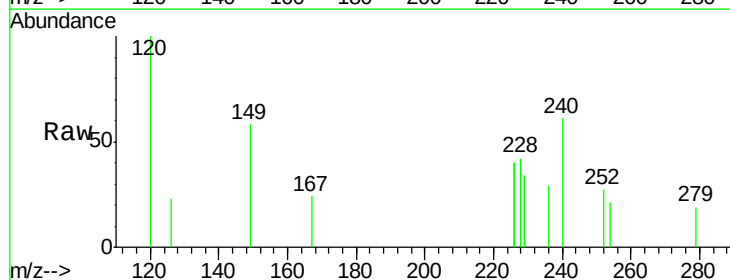
Tgt Ion:252 Resp: 90

Ion Ratio Lower Upper

252 100

254 75.9 61.5 92.3

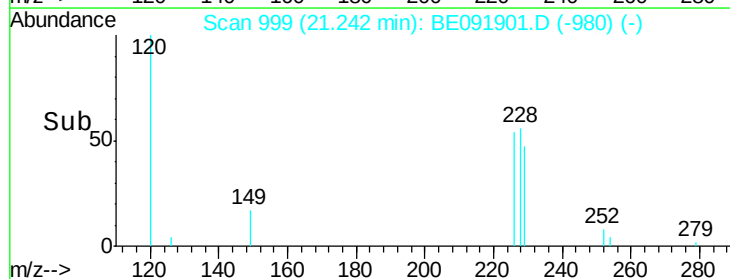
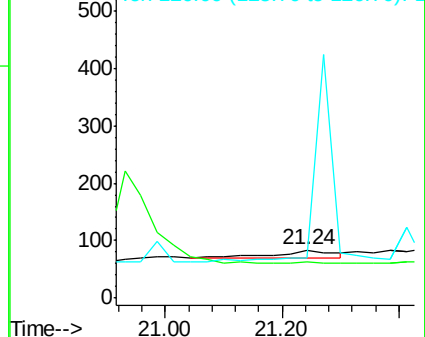
126 84.3 2.5 3.7#

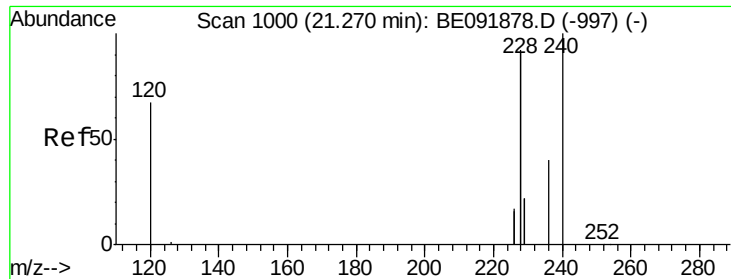


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 0.04 ng

RT: 21.27 min Scan# 1000

Delta R.T. -0.06 min

Lab File: BE091901.D

Acq: 8 Jun 2016 15:05

Instrument :

BNA_E

ClientSampleId :

PB91035BL

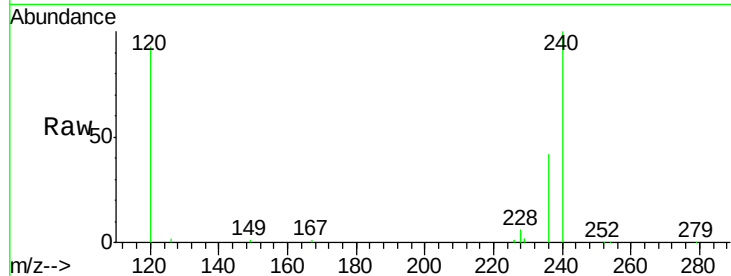
Tgt Ion:228 Resp: 8356

Ion Ratio Lower Upper

228 100

226 21.9 27.0 40.6#

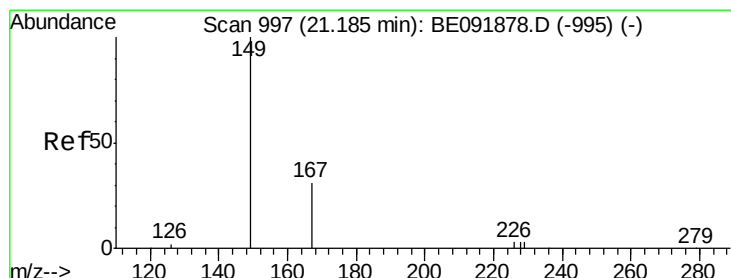
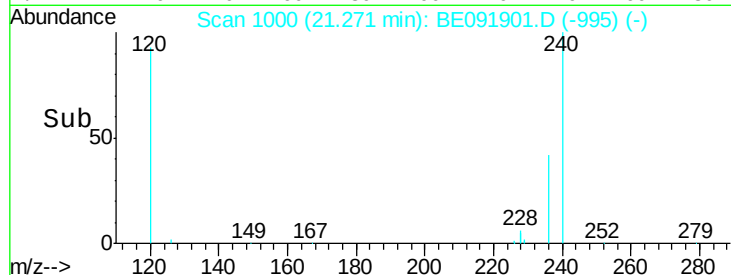
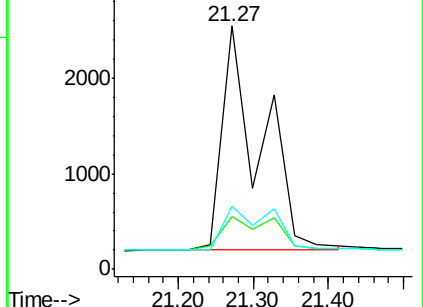
229 26.0 13.8 20.8#



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: 0.14 ng

RT: 21.19 min Scan# 997

Delta R.T. 0.00 min

Lab File: BE091901.D

Acq: 8 Jun 2016 15:05

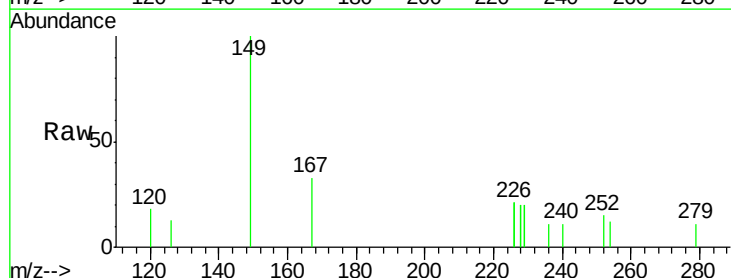
Tgt Ion:149 Resp: 632

Ion Ratio Lower Upper

149 100

167 24.8 0.0 0.0#

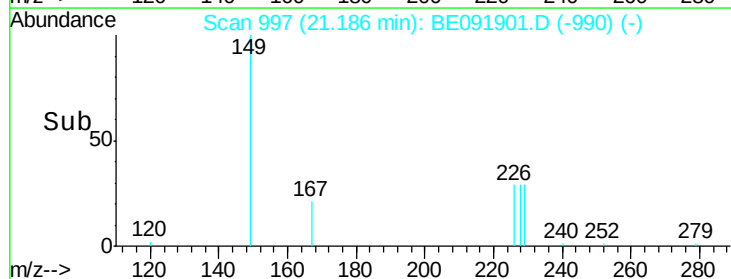
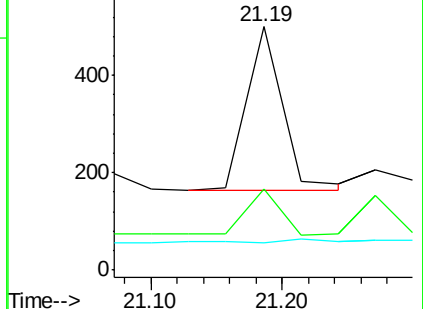
279 0.0 0.0 0.0

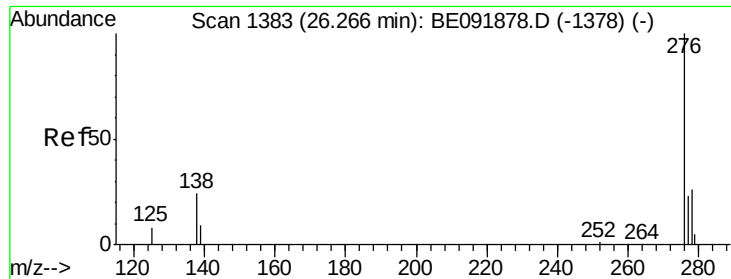


Abundance Ion 149.00 (148.70 to 149.70): E

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: 26.31 min Scan# 1386

Delta R.T. 0.05 min

Lab File: BE091901.D

Acq: 8 Jun 2016 15:05

Instrument :

BNA_E

ClientSampleId :

PB91035BL

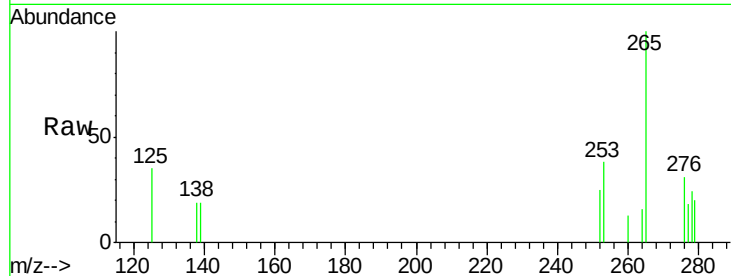
Tgt Ion:276 Resp: 355

Ion Ratio Lower Upper

276 100

138 0.0 19.7 29.5#

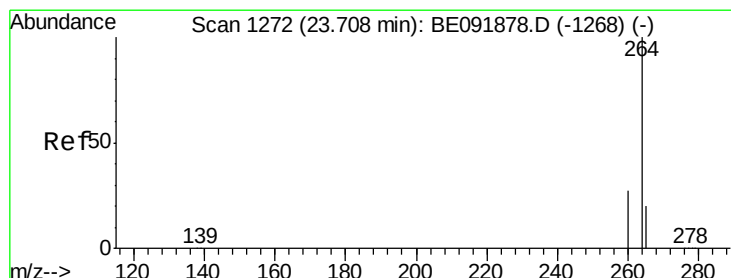
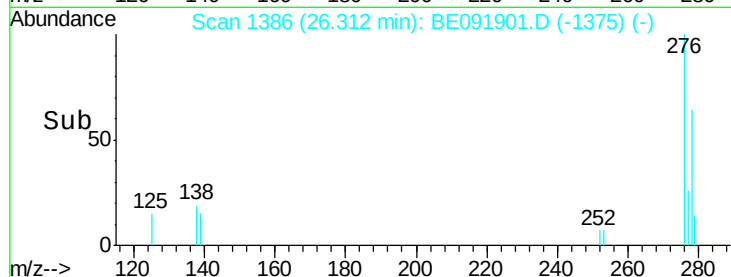
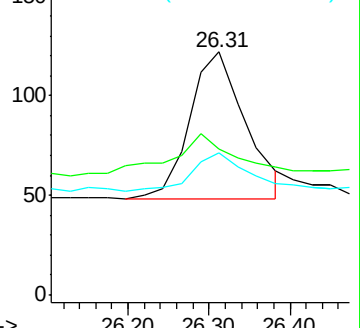
277 25.4 20.1 30.1



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: 23.73 min Scan# 1274

Delta R.T. 0.02 min

Lab File: BE091901.D

Acq: 8 Jun 2016 15:05

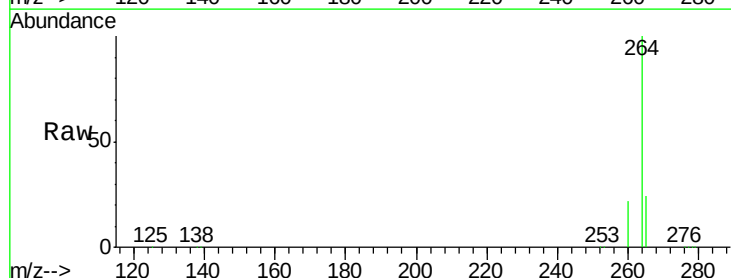
Tgt Ion:264 Resp: 228529

Ion Ratio Lower Upper

264 100

260 22.5 20.3 30.5

265 23.8 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

