

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070516\
 Data File : BE091980.D
 Acq On : 6 Jul 2016 2:48
 Operator : UM/SJ
 Sample : H3826-04
 Misc : LOQ1.0
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS037-160627

Quant Time: Jul 06 05:55:48 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE070516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 05 16:14:58 2016
 Response via : Initial Calibration

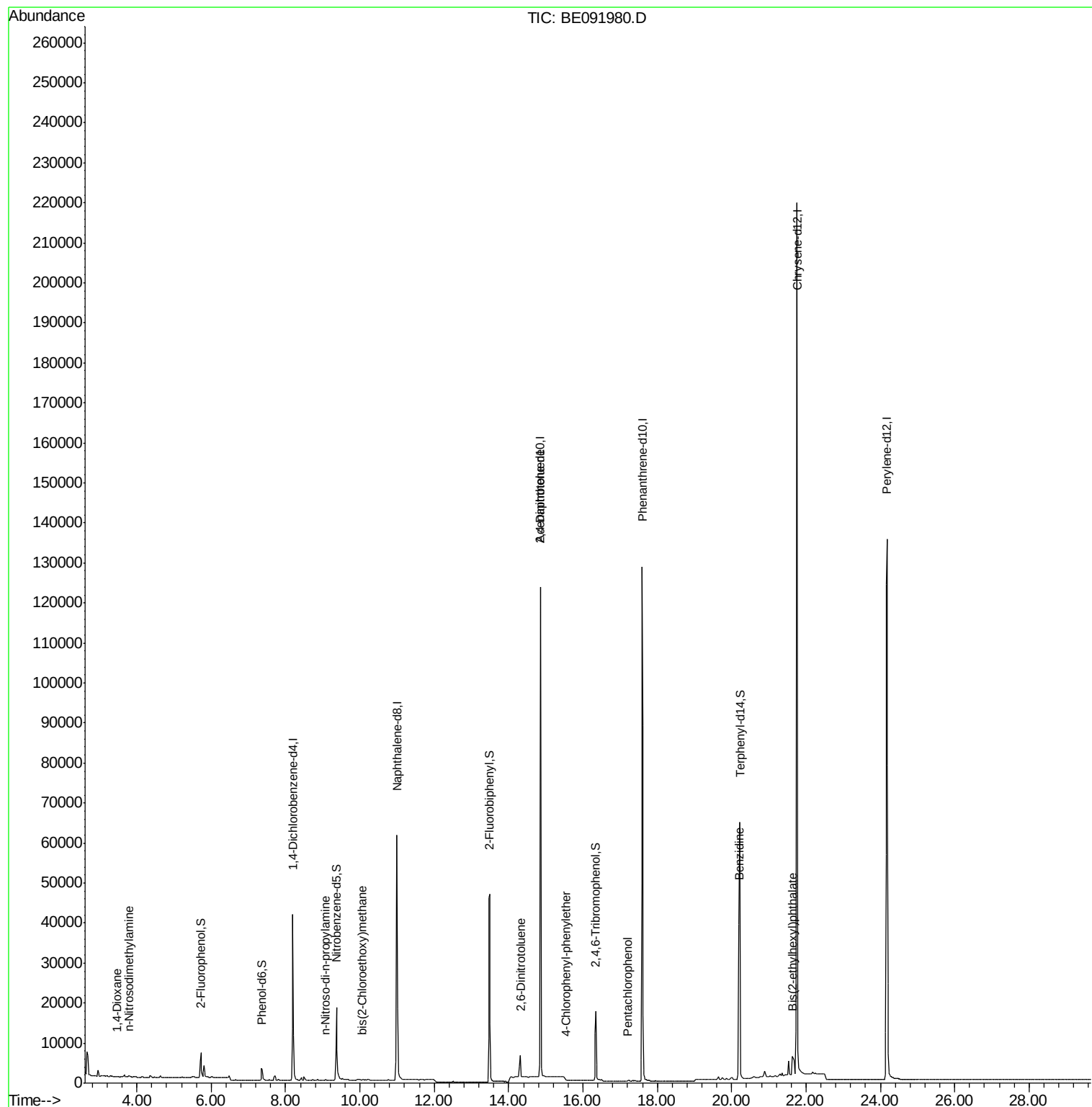
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	21905	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	102065	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	78245	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	168401	5.00	ng	0.00
31) Chrysene-d12	21.76	240	301499	5.00	ng	0.00
40) Perylene-d12	24.18	264	211718	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	6635	1.27	ng	0.00
5) Phenol-d6	7.37	99	5439	0.75	ng	0.00
9) Nitrobenzene-d5	9.37	82	19276	2.77	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	9544	3.49	ng	0.00
17) 2-Fluorobiphenyl	13.49	172	54860	2.87	ng	0.00
34) Terphenyl-d14	20.22	244	112759	3.17	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.47	88	92	0.03	ng	# 1
3) n-Nitrosodimethylamine	3.78	42	74	0.05	ng	# 1
7) n-Nitroso-di-n-propylamine	9.08	70	156	0.03	ng	# 22
11) bis(2-Chloroethoxy)methane	10.07	93	638	0.07	ng	# 1
19) 2,6-Dinitrotoluene	14.31	165	3730	0.29	ng	# 10
21) 2,4-Dinitrotoluene	14.86	165	41154	1.78	ng	# 1
23) 4-Chlorophenyl-phenylether	15.55	204	281	0.02	ng	# 1
27) Pentachlorophenol	17.21	266	135	0.17	ng	# 57
32) Benzidine	20.20	184	2664	0.32	ng	# 90
36) 3,3'-Dichlorobenzidine	21.67	252	19	Below Cal		# 75
38) Bis(2-ethylhexyl)phthalate	21.64	149	13543	0.23	ng	# 100

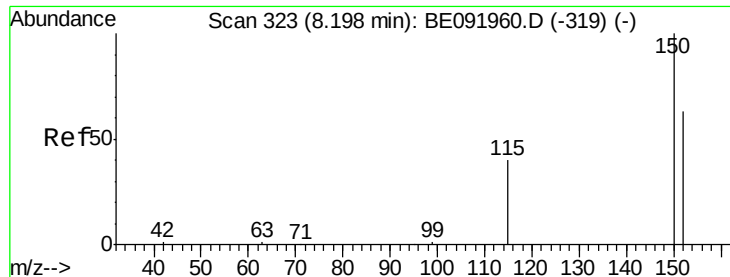
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE070516.M
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. -0.00 min

Lab File: BE091980.D

Acq: 6 Jul 2016 2:48

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160627

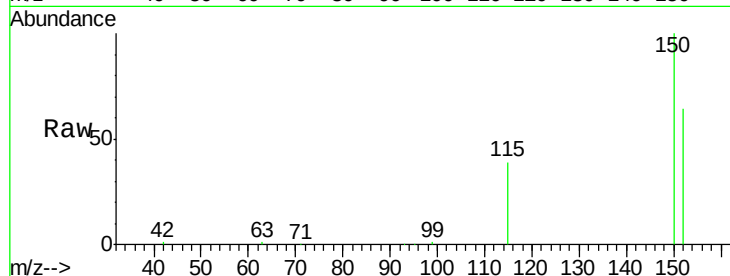
Tgt Ion:152 Resp: 21905

Ion Ratio Lower Upper

152 100

150 155.8 123.9 185.9

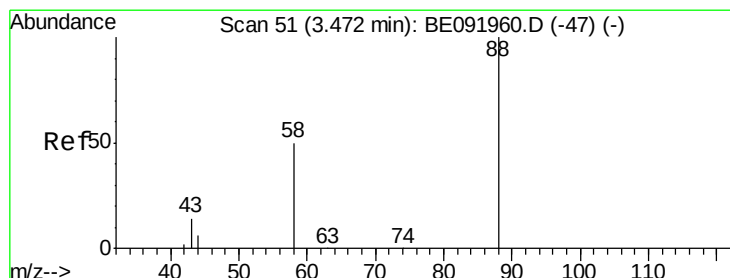
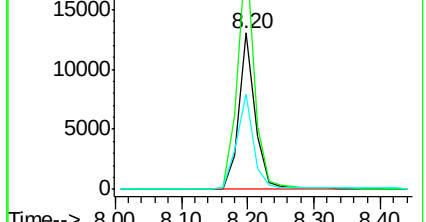
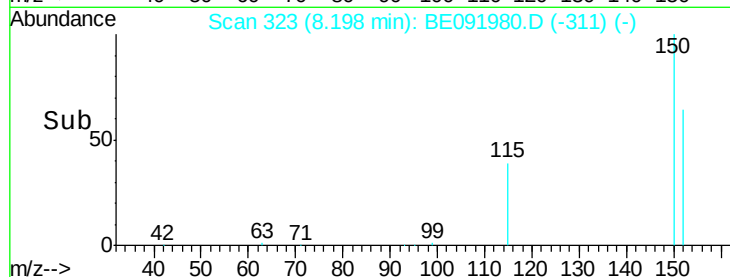
115 60.6 48.3 72.5



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: 0.03 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE091980.D

Acq: 6 Jul 2016 2:48

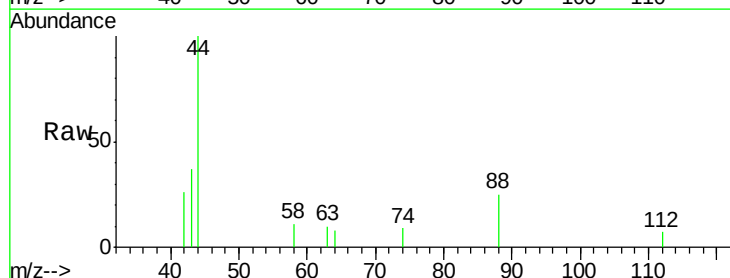
Tgt Ion: 88 Resp: 92

Ion Ratio Lower Upper

88 100

58 33.7 63.0 94.4#

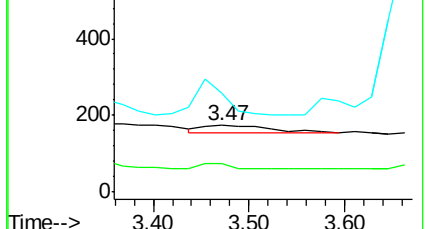
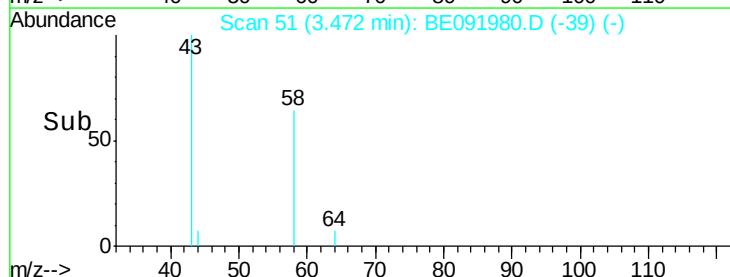
43 226.1 29.1 43.7#

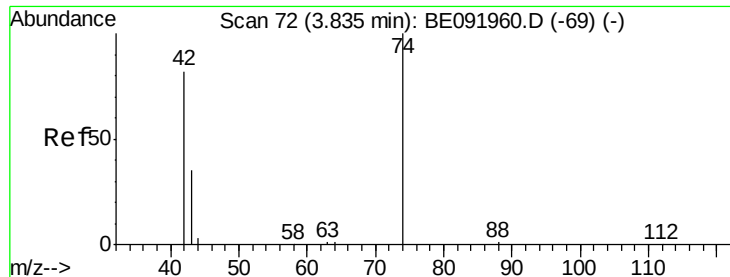


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.05 ng

RT: 3.78 min Scan# 69

Delta R.T. -0.05 min

Lab File: BE091980.D

Acq: 6 Jul 2016 2:48

Instrument :

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ClientSampleId :

KY038PS037-160627

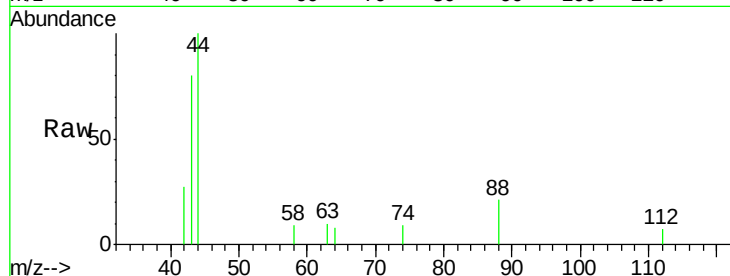
Tgt Ion: 42 Resp: 74

Ion Ratio Lower Upper

42 100

74 2.7 93.4 140.0#

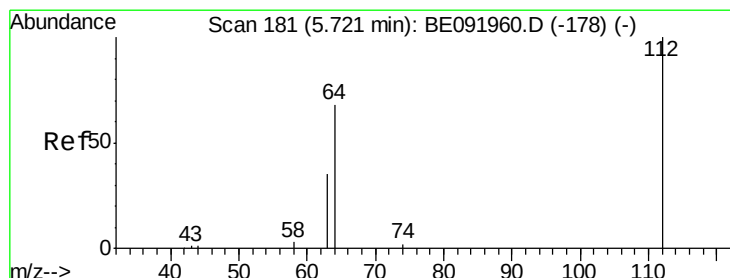
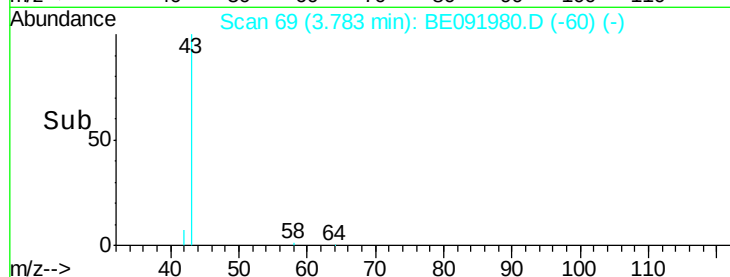
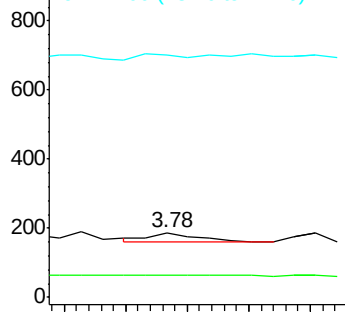
44 52.7 5.0 7.6#



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: 1.27 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE091980.D

Acq: 6 Jul 2016 2:48

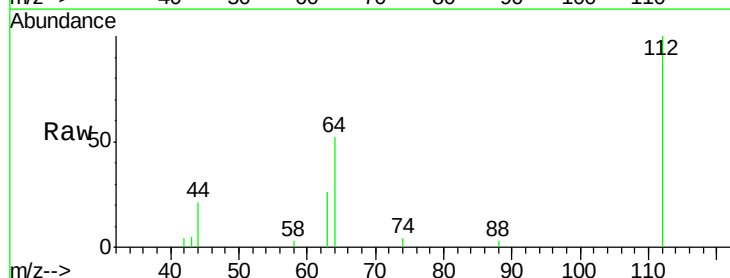
Tgt Ion: 112 Resp: 6635

Ion Ratio Lower Upper

112 100

64 67.2 53.7 80.5

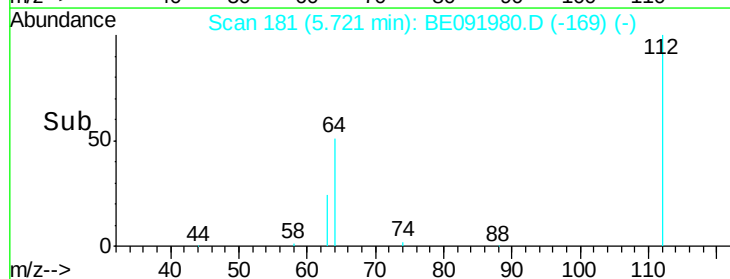
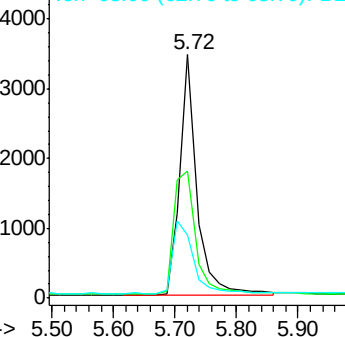
63 37.0 29.5 44.3

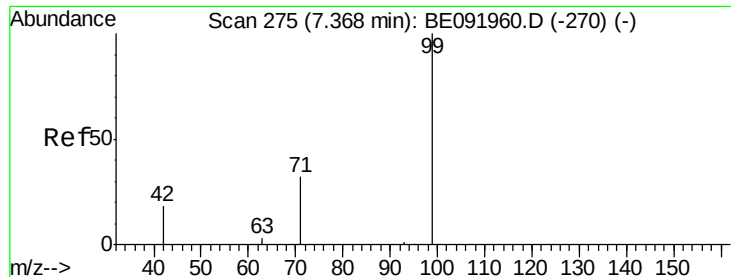


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.75 ng

RT: 7.37 min Scan# 275

Delta R.T. -0.00 min

Lab File: BE091980.D

Acq: 6 Jul 2016 2:48

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160627

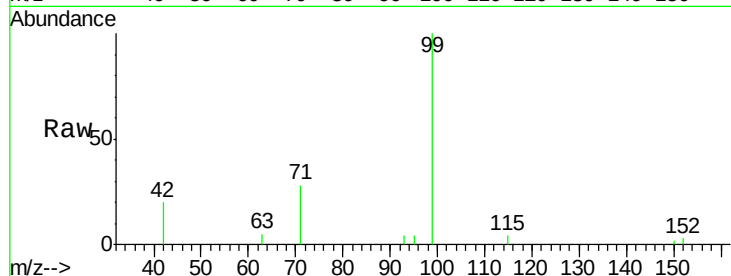
Tgt Ion: 99 Resp: 5439

Ion Ratio Lower Upper

99 100

42 25.1 19.6 29.4

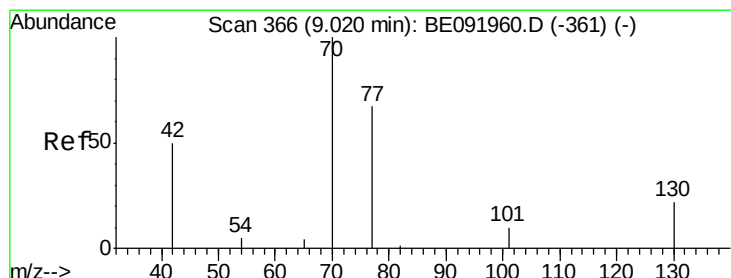
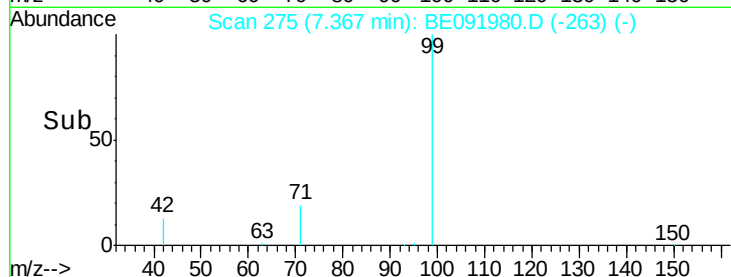
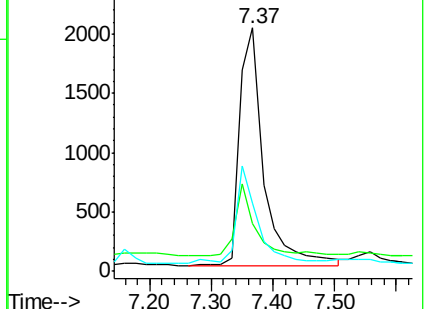
71 38.2 28.1 42.1



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: 0.03 ng

RT: 9.08 min Scan# 369

Delta R.T. 0.06 min

Lab File: BE091980.D

Acq: 6 Jul 2016 2:48

Tgt Ion: 70 Resp: 156

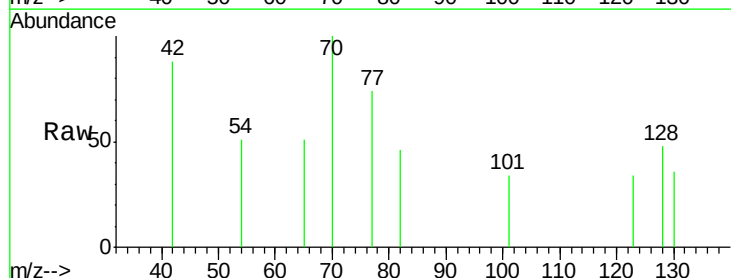
Ion Ratio Lower Upper

70 100

42 0.0 58.4 87.6#

101 7.7 6.4 9.6

130 3.8 0.0 0.0#

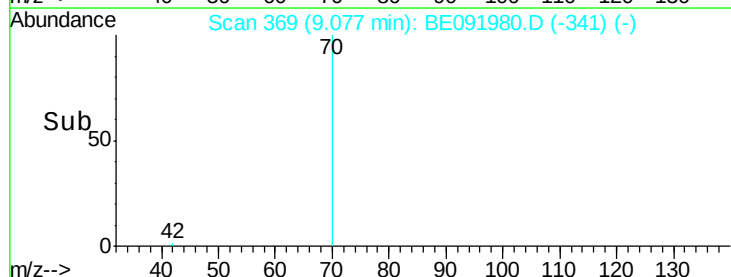
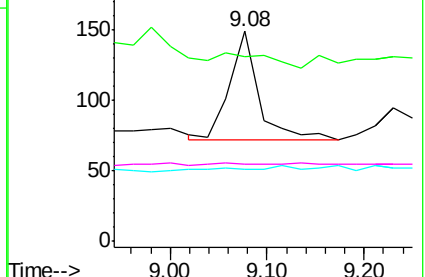


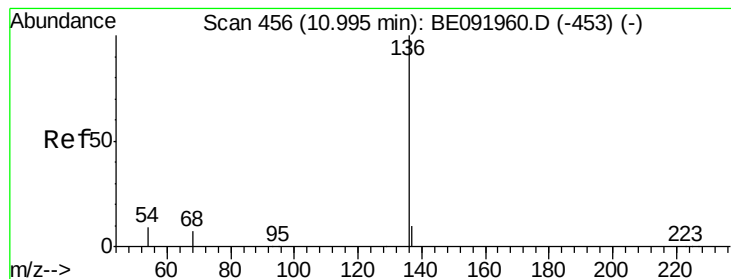
Abundance Ion 70.00 (69.70 to 70.70): BE0

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: 10.99 min Scan# 456

Delta R.T. -0.00 min

Lab File: BE091980.D

Acq: 6 Jul 2016 2:48

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160627

Tgt Ion:136 Resp: 102065

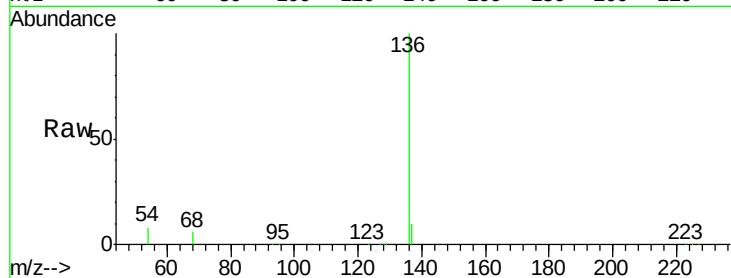
Ion Ratio Lower Upper

136 100

137 10.2 8.3 12.5

54 8.3 8.2 12.4

68 6.3 5.9 8.9

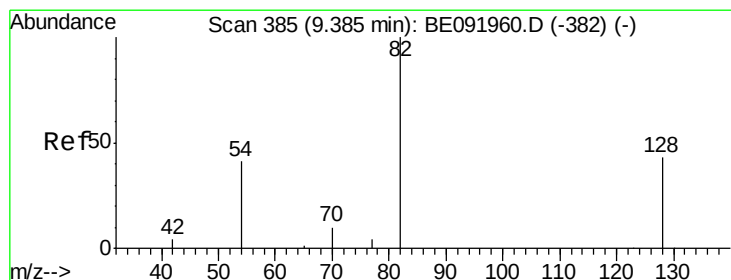
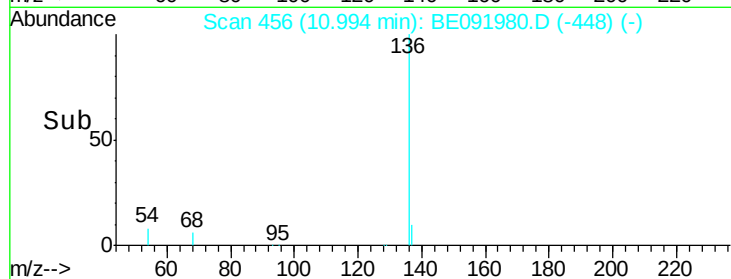
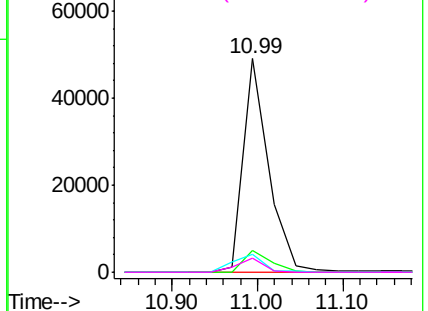


Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.77 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE091980.D

Acq: 6 Jul 2016 2:48

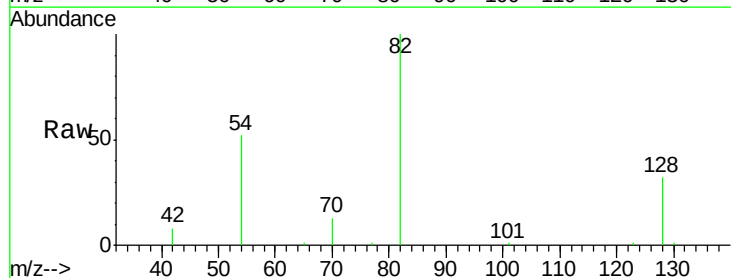
Tgt Ion: 82 Resp: 19276

Ion Ratio Lower Upper

82 100

128 31.7 39.5 59.3#

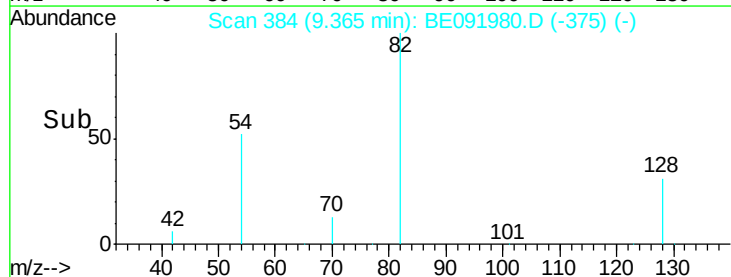
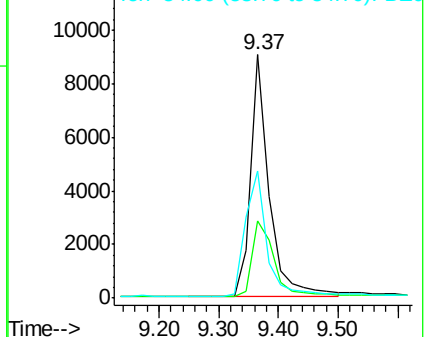
54 52.0 30.3 45.5#

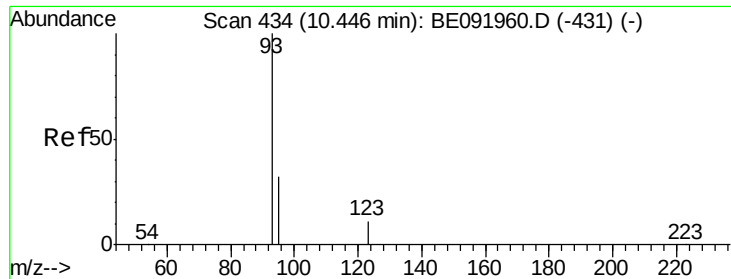


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

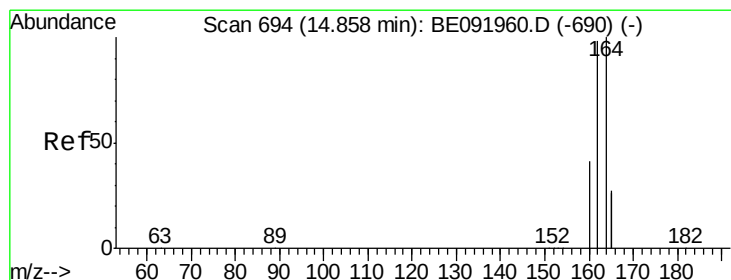
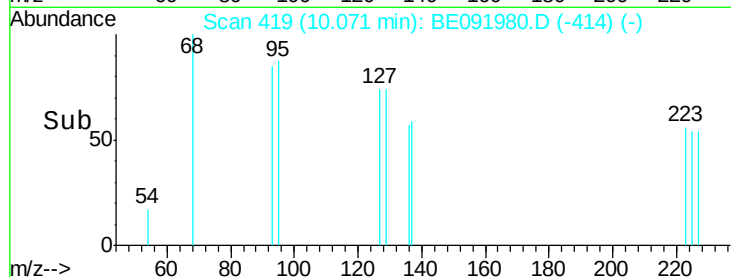
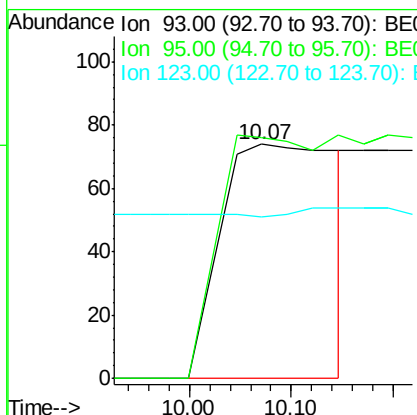
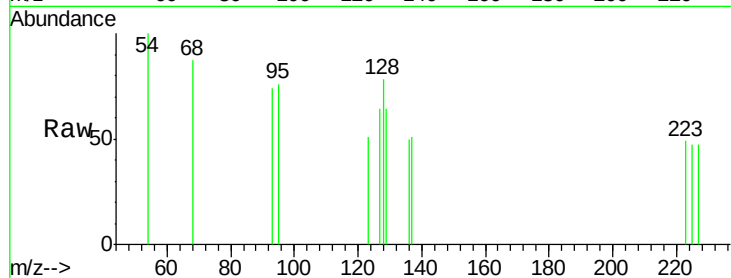




#11
bis(2-Chloroethoxy)methane
Concen: 0.07 ng
RT: 10.07 min Scan# 419
Delta R.T. -0.37 min
Lab File: BE091980.D
Acq: 6 Jul 2016 2:48

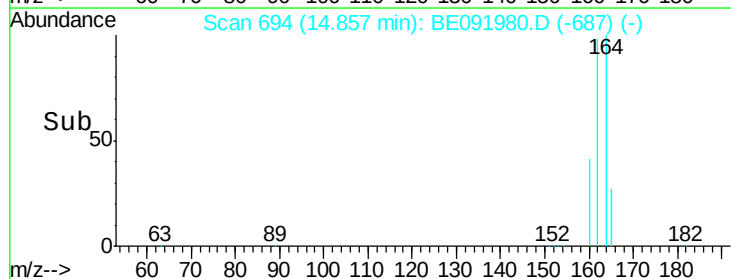
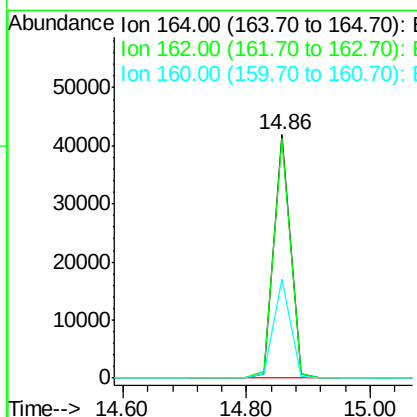
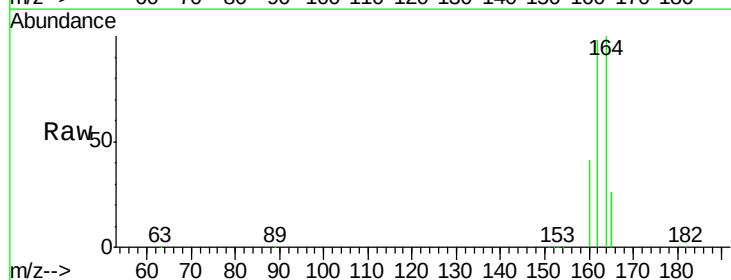
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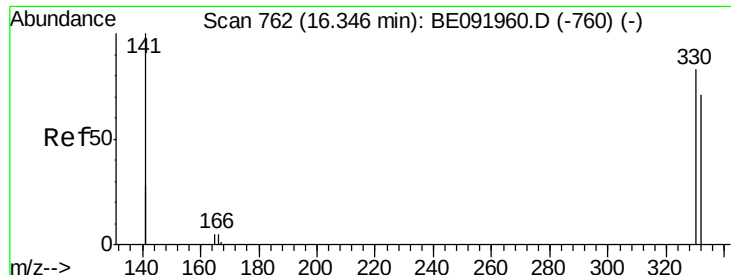
Tgt Ion: 93 Resp: 638
Ion Ratio Lower Upper
93 100
95 0.0 57.6 86.4#
123 0.0 100.2 150.4#



#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. -0.00 min
Lab File: BE091980.D
Acq: 6 Jul 2016 2:48

Tgt Ion: 164 Resp: 78245
Ion Ratio Lower Upper
164 100
162 98.2 71.8 107.8
160 40.8 28.0 42.0

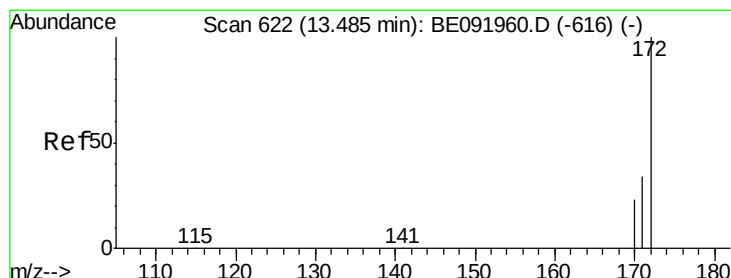
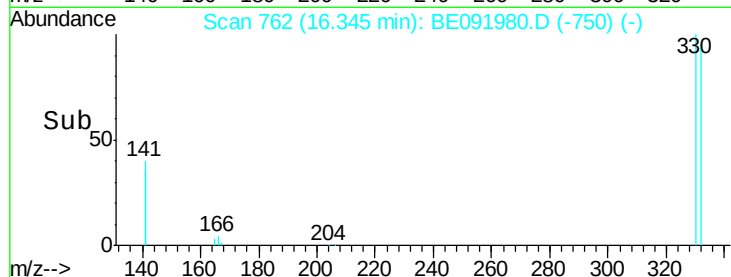
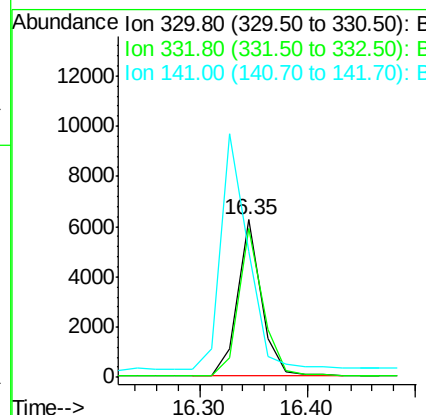
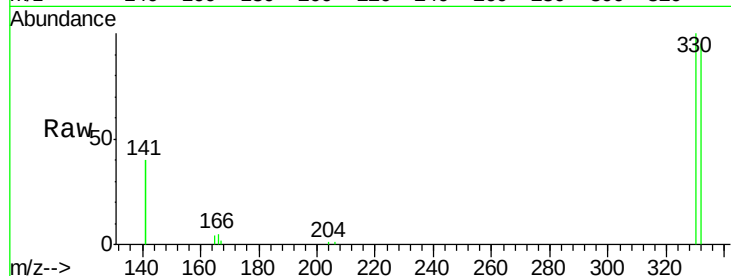




#16
 2,4,6-Tribromophenol
 Concen: 3.49 ng
 RT: 16.35 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE091980.D
 Acq: 6 Jul 2016 2:48

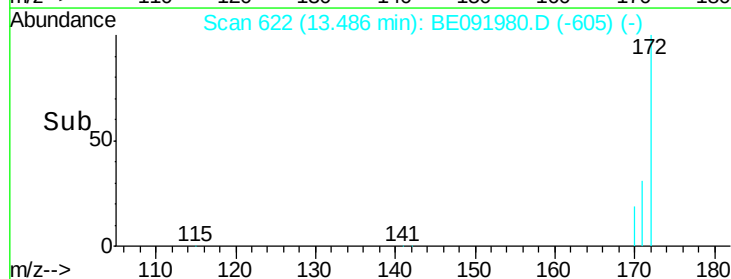
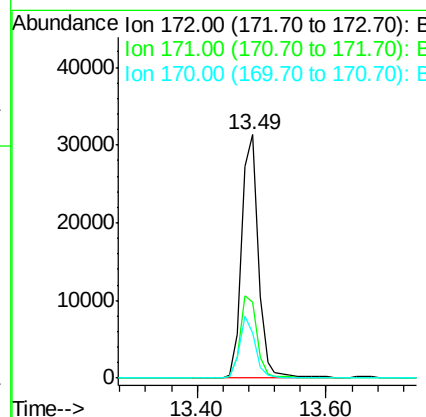
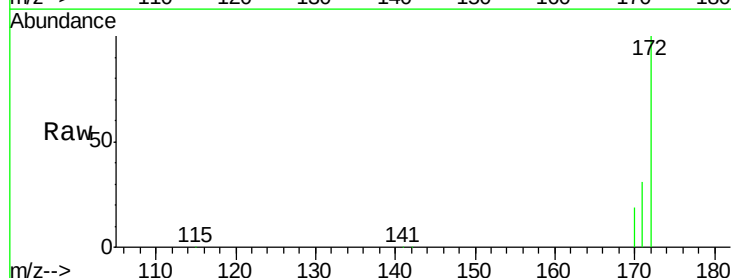
Instrument :
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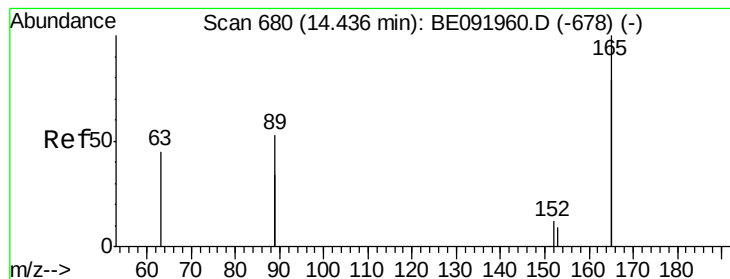
Tgt Ion:330 Resp: 9544
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 173.5 138.4 207.6



#17
 2-Fluorobiphenyl
 Concen: 2.87 ng
 RT: 13.49 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BE091980.D
 Acq: 6 Jul 2016 2:48

Tgt Ion:172 Resp: 54860
 Ion Ratio Lower Upper
 172 100
 171 31.0 24.3 36.5
 170 18.7 14.9 22.3





#19

2,6-Dinitrotoluene

Concen: 0.29 ng

RT: 14.31 min Scan# 676

Delta R.T. -0.12 min

Lab File: BE091980.D

Acq: 6 Jul 2016 2:48

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160627

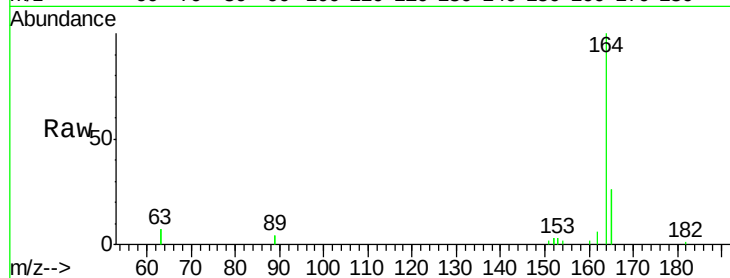
Tgt Ion:165 Resp: 3730

Ion Ratio Lower Upper

165 100

63 0.0 65.9 98.9#

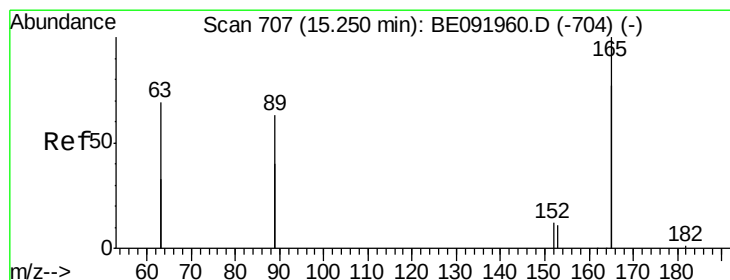
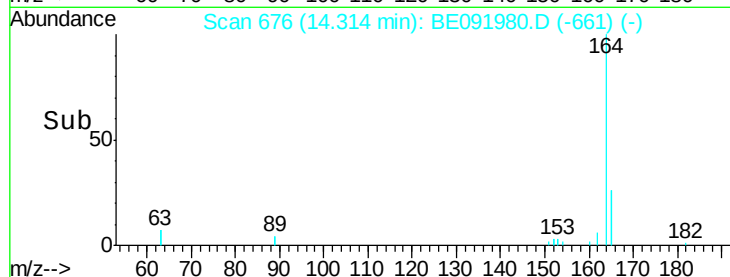
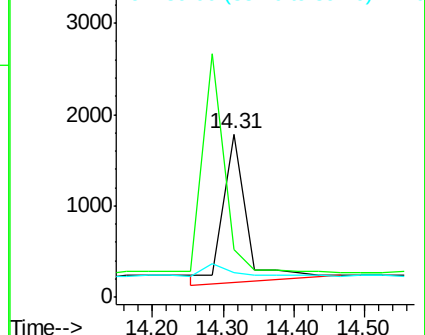
89 0.0 59.1 88.7#



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: 1.78 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.39 min

Lab File: BE091980.D

Acq: 6 Jul 2016 2:48

Tgt Ion:165 Resp: 41154

Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

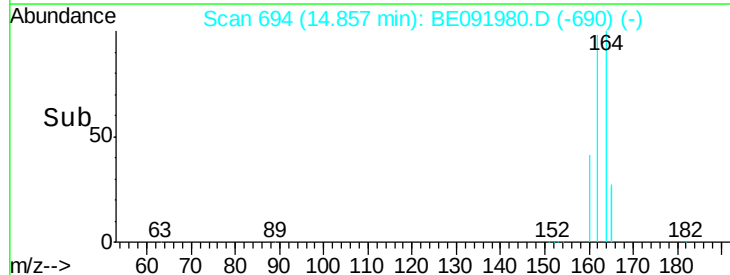
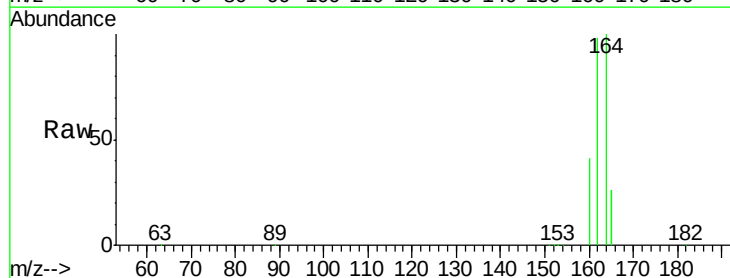
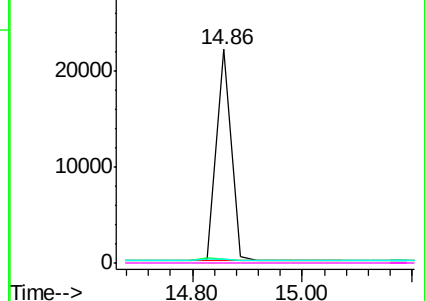
182 0.0 0.0 0.0

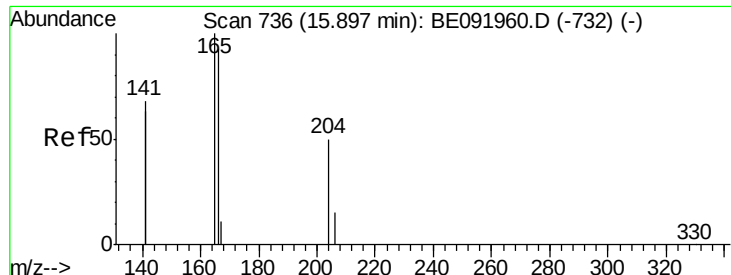
Abundance Ion 165.00 (164.70 to 165.70): E

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

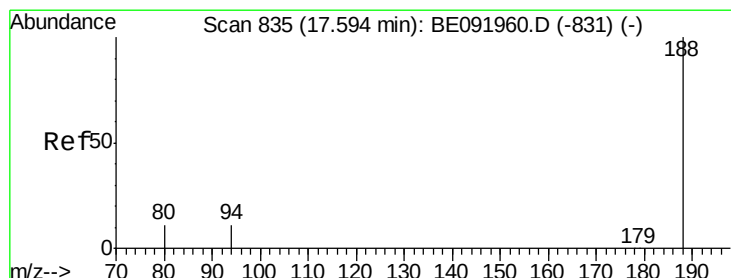
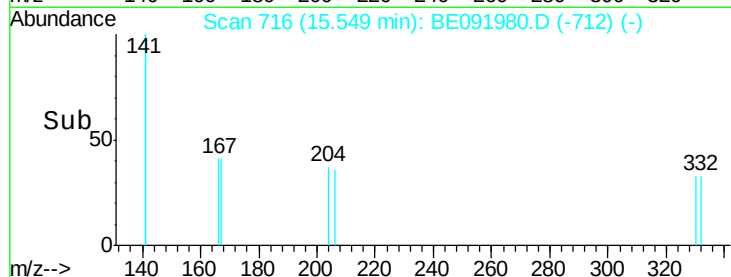
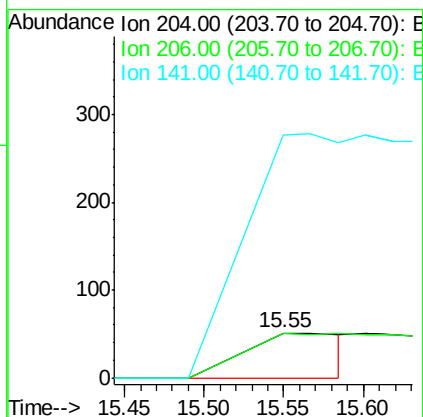
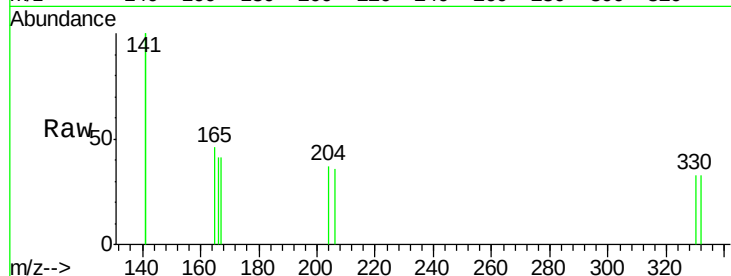




#23
 4-Chlorophenyl-phenylether
 Concen: 0.02 ng
 RT: 15.55 min Scan# 716
 Delta R.T. -0.35 min
 Lab File: BE091980.D
 Acq: 6 Jul 2016 2:48

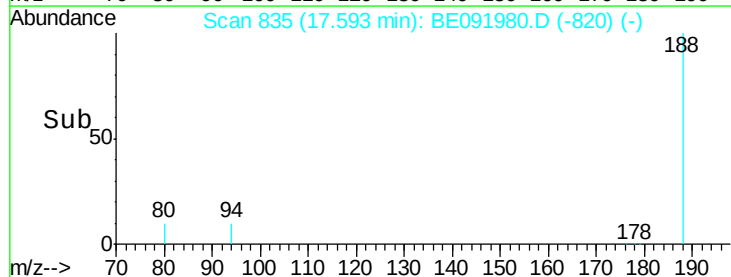
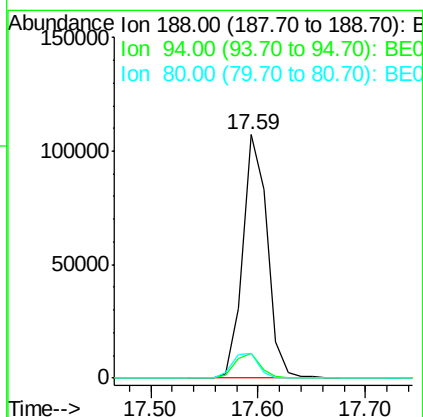
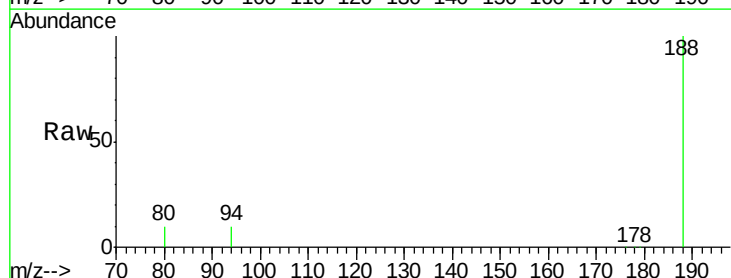
Instrument :
 BNA_E
 ClientSampleId :
 KY038PS037-160627

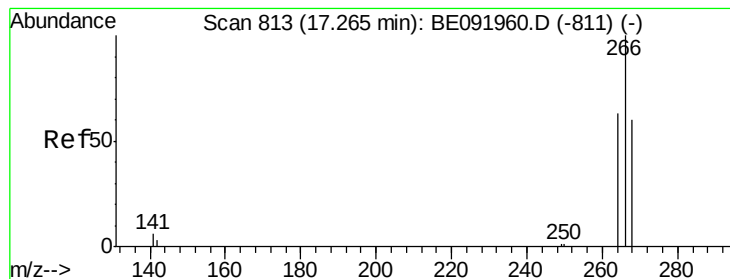
Tgt Ion: 204 Resp: 281
 Ion Ratio Lower Upper
 204 100
 206 117.4 27.8 41.6#
 141 548.4 197.6 296.4#



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.59 min Scan# 835
 Delta R.T. -0.00 min
 Lab File: BE091980.D
 Acq: 6 Jul 2016 2:48

Tgt Ion: 188 Resp: 168401
 Ion Ratio Lower Upper
 188 100
 94 10.0 4.1 6.1#
 80 10.1 3.4 5.2#





#27

Pentachlorophenol

Concen: 0.17 ng

RT: 17.21 min Scan# 810

Delta R.T. -0.05 min

Lab File: BE091980.D

Acq: 6 Jul 2016 2:48

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160627

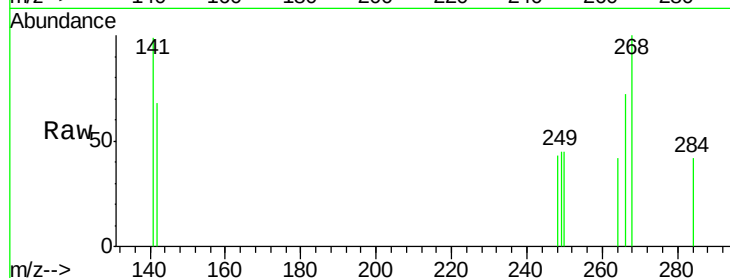
Tgt Ion:266 Resp: 135

Ion Ratio Lower Upper

266 100

268 138.6 60.5 90.7#

264 57.8 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

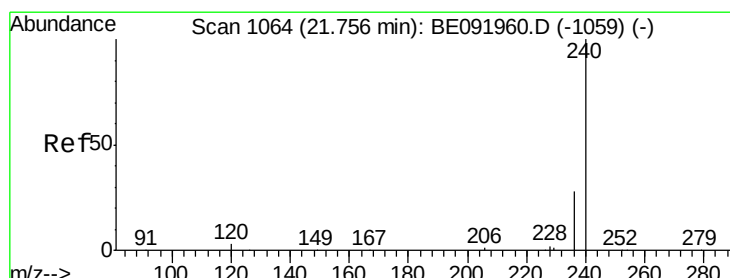
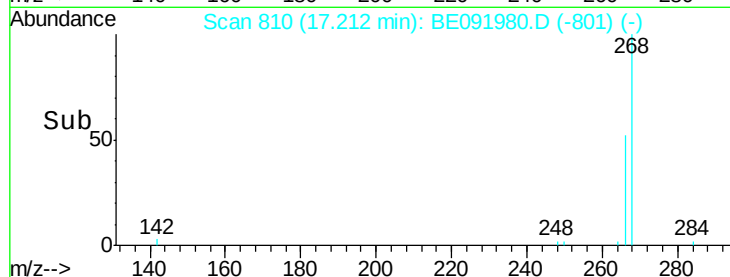
17.21

100

50

0

Time--> 17.10 17.20 17.30 17.40



#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BE091980.D

Acq: 6 Jul 2016 2:48

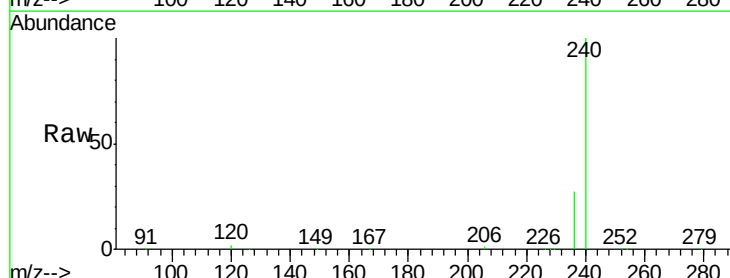
Tgt Ion:240 Resp: 301499

Ion Ratio Lower Upper

240 100

120 1.5 1.2 1.8

236 26.7 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

21.76

200000

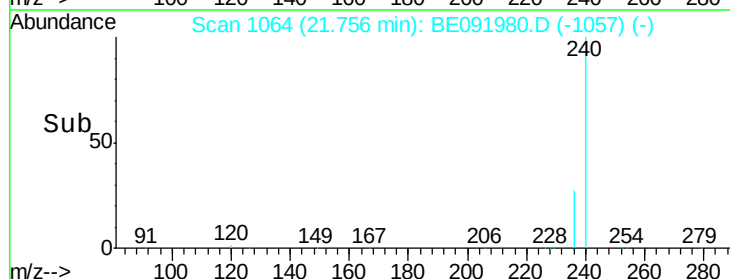
150000

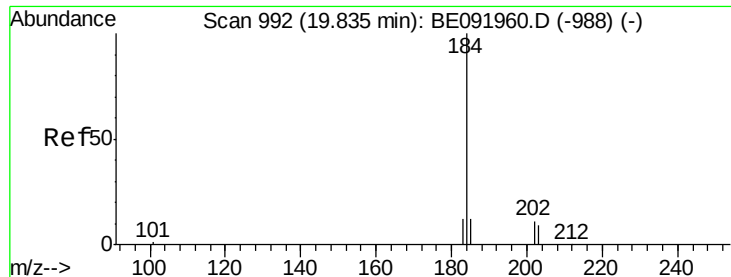
100000

50000

0

Time--> 21.60 21.70 21.80 21.90





#32

Benzidine

Concen: 0.32 ng

RT: 20.20 min Scan# 1008

Delta R.T. 0.36 min

Lab File: BE091980.D

Acq: 6 Jul 2016 2:48

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160627

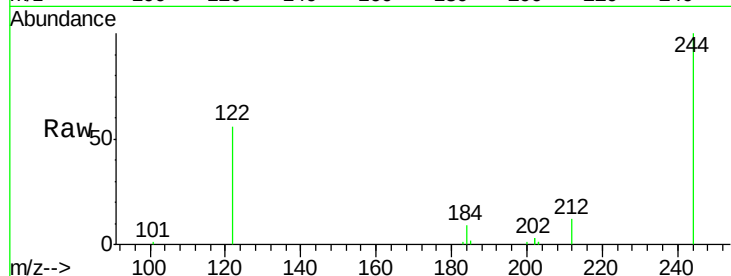
Tgt Ion:184 Resp: 2664

Ion Ratio Lower Upper

184 100

185 21.4 11.4 17.2#

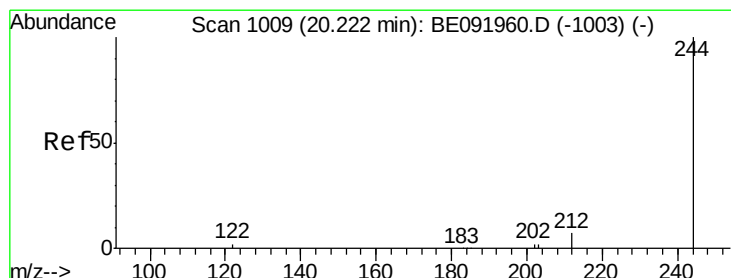
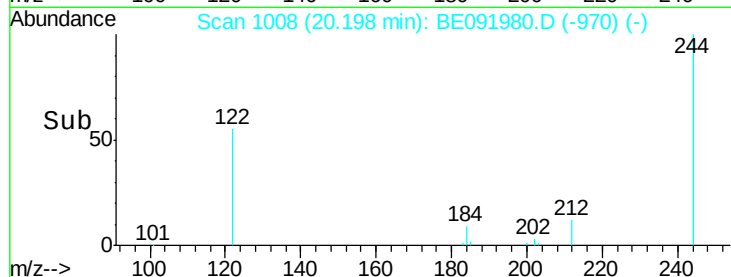
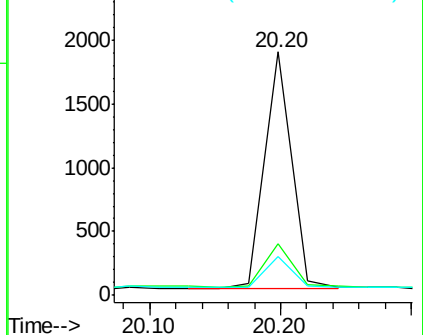
183 16.1 11.8 17.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#34

Terphenyl-d14

Concen: 3.17 ng

RT: 20.22 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BE091980.D

Acq: 6 Jul 2016 2:48

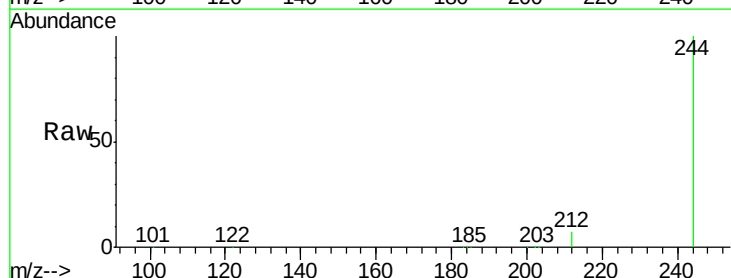
Tgt Ion:244 Resp: 112759

Ion Ratio Lower Upper

244 100

212 6.5 6.5 9.7

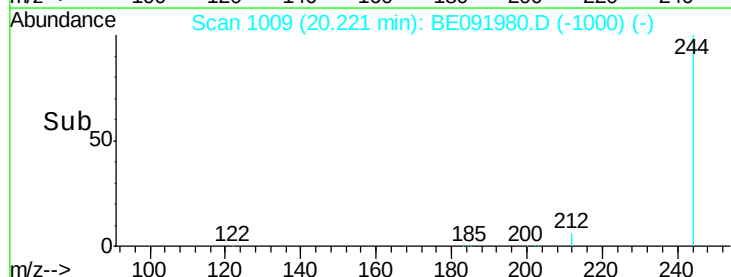
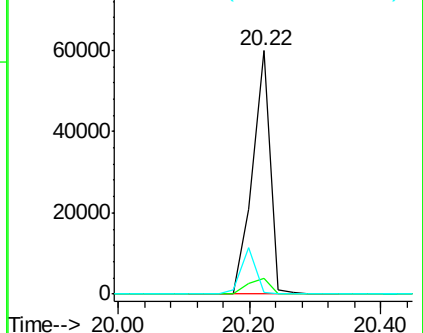
122 0.5 2.9 4.3#

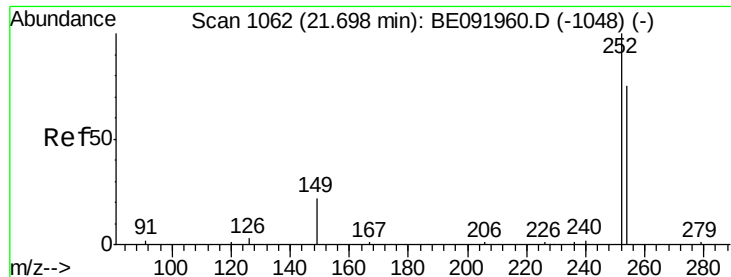


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

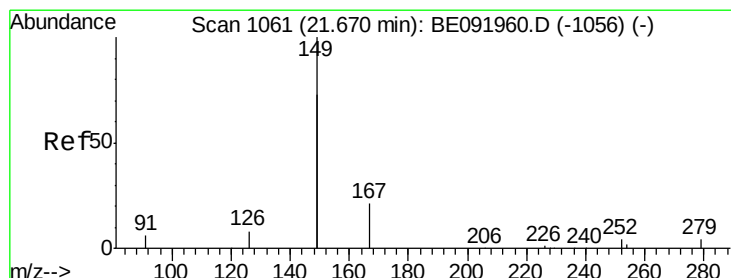
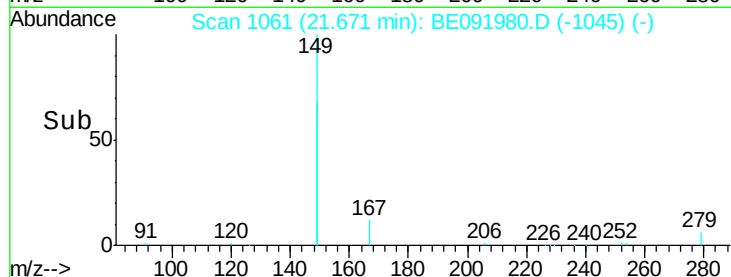
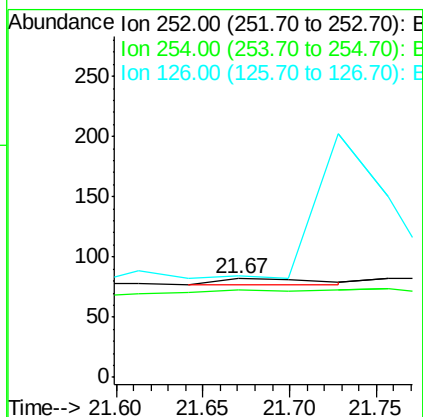
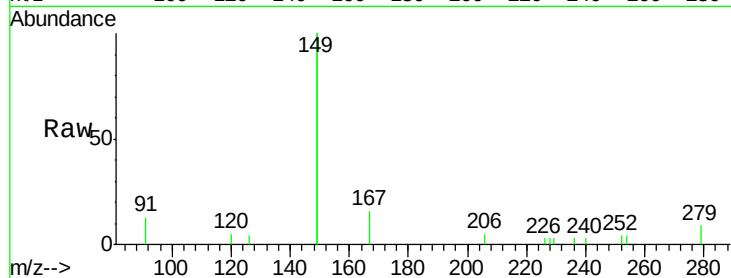




#36
 3,3'-Dichlorobenzidine
 Concen: Below Cal
 RT: 21.67 min Scan# 1061
 Delta R.T. -0.03 min
 Lab File: BE091980.D
 Acq: 6 Jul 2016 2:48

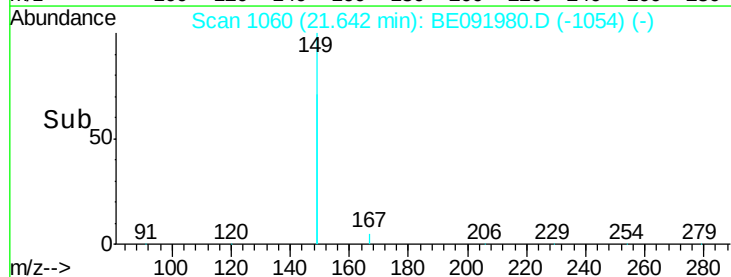
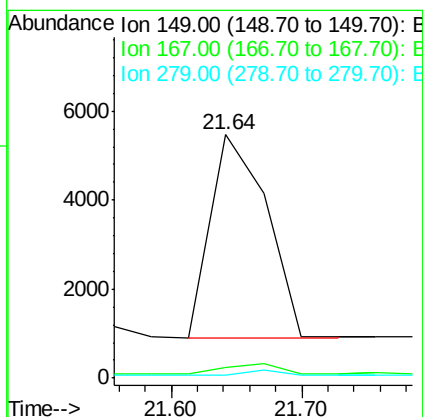
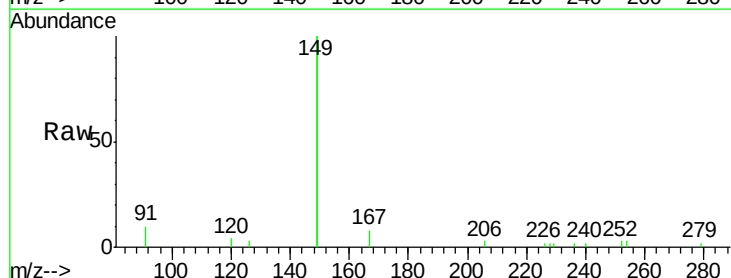
Instrument :
 BNA_E
 ClientSampleId :
 KY038PS037-160627

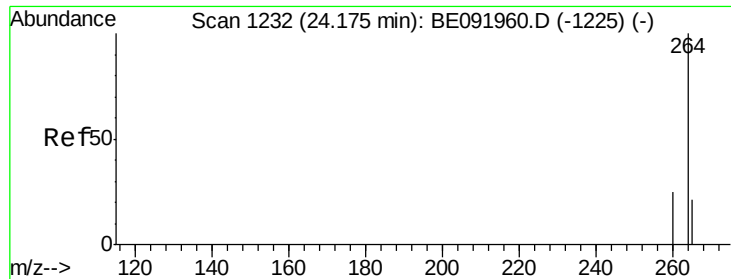
Tgt Ion: 252 Resp: 19
 Ion Ratio Lower Upper
 252 100
 254 89.0 61.5 92.3
 126 102.4 2.5 3.7#



#38
 Bis(2-ethylhexyl)phthalate
 Concen: 0.23 ng
 RT: 21.64 min Scan# 1060
 Delta R.T. -0.03 min
 Lab File: BE091980.D
 Acq: 6 Jul 2016 2:48

Tgt Ion: 149 Resp: 13543
 Ion Ratio Lower Upper
 149 100
 167 0.0 0.0 0.0
 279 0.0 0.0 0.0





#40

Perylene-d12

Concen: 5.00 ng

RT: 24.18 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE091980.D

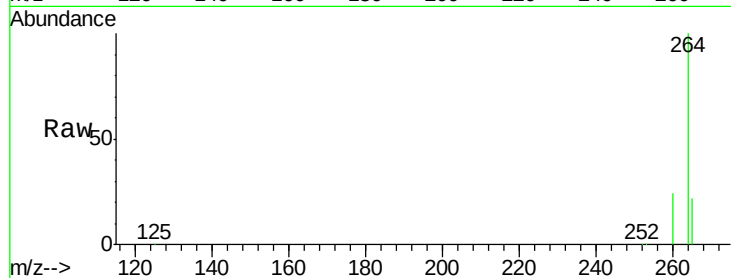
Acq: 6 Jul 2016 2:48

Instrument :

BNA_E

ClientSampleId :

KY038PS037-160627



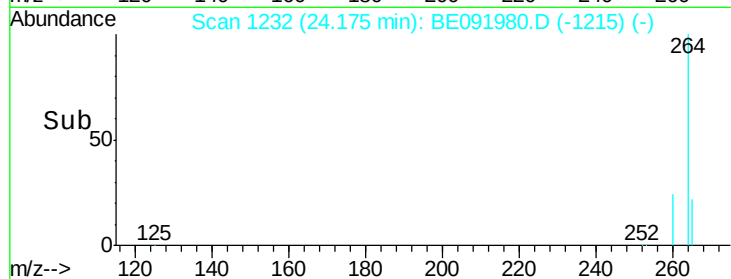
Tgt Ion: 264 Resp: 211718

Ion Ratio Lower Upper

264 100

260 24.3 20.3 30.5

265 22.3 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

