

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
 Data File : BE092031.D
 Acq On : 23 Jul 2016 7:00
 Operator : UM/SJ
 Sample : H4135-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-1600719

Quant Time: Jul 25 01:46:54 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 22 15:39:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	24363	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	121821	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	77608	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	189344	5.00	ng	0.00
31) Chrysene-d12	21.76	240	215323	5.00	ng	0.00
40) Perylene-d12	24.15	264	191911	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	15457	3.27	ng	0.00
5) Phenol-d6	7.35	99	12128	1.54	ng	-0.02
9) Nitrobenzene-d5	9.36	82	29846	4.07	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	22251	8.26	ng	0.00
17) 2-Fluorobiphenyl	13.47	172	80557	3.95	ng	-0.01
34) Terphenyl-d14	20.20	244	136103	6.29	ng	-0.02

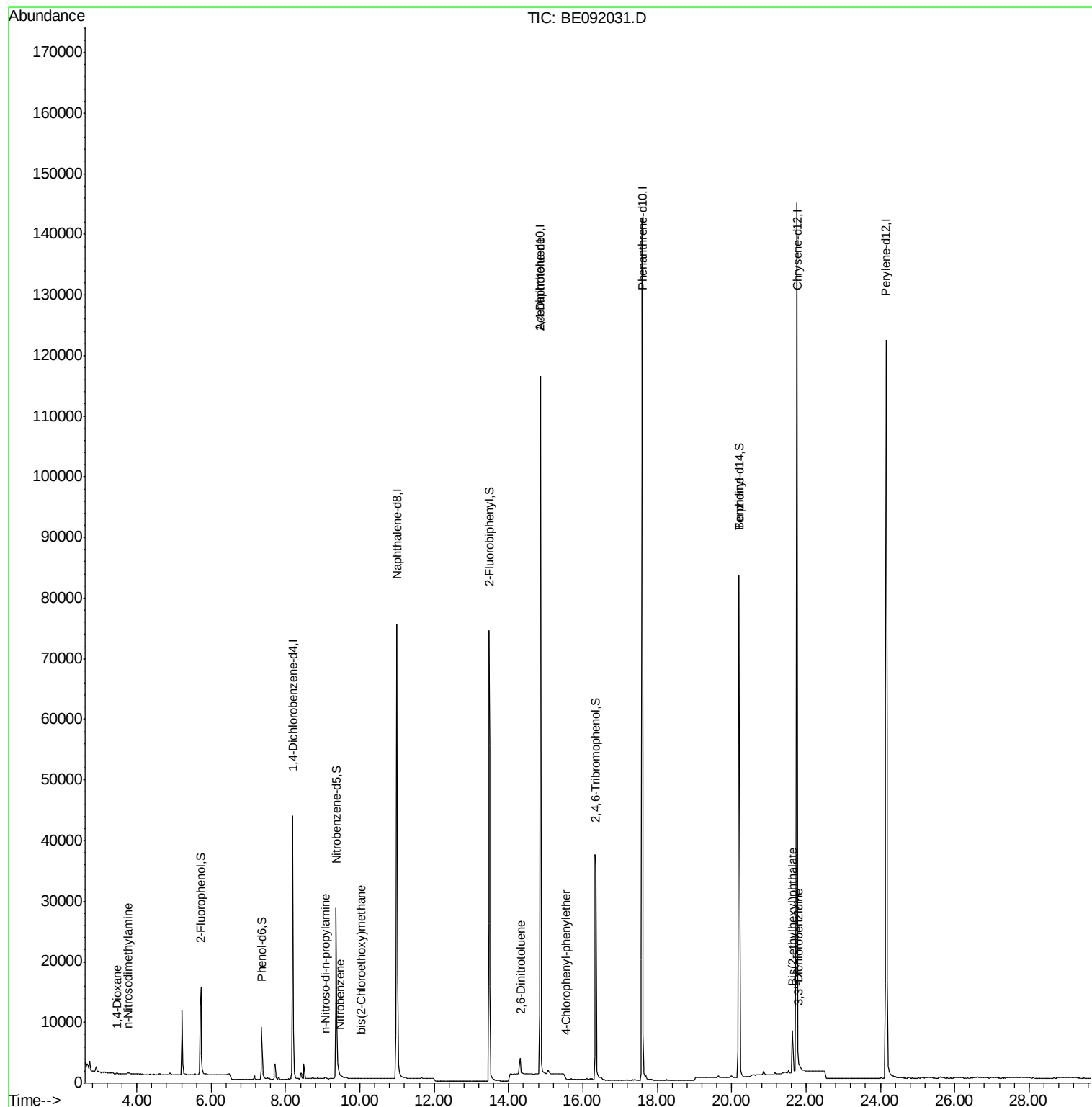
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	108	0.03	ng	# 57
3) n-Nitrosodimethylamine	3.75	42	76	0.10	ng	# 2
7) n-Nitroso-di-n-propylamine	9.08	70	350	0.06	ng	# 61
10) Nitrobenzene	9.46	77	12	0.13	ng	# 66
11) bis(2-Chloroethoxy)methane	10.05	93	700	0.08	ng	# 23
19) 2,6-Dinitrotoluene	14.32	165	2598	0.28	ng	# 10
21) 2,4-Dinitrotoluene	14.86	165	44447	2.20	ng	# 1
23) 4-Chlorophenyl-phenylether	15.55	204	536	0.04	ng	# 1
32) Benzidine	20.20	184	2870	0.45	ng	# 89
36) 3,3'-Dichlorobenzidine	21.79	252	34	0.02	ng	# 83
38) Bis(2-ethylhexyl)phthalate	21.64	149	12021	0.35	ng	# 100

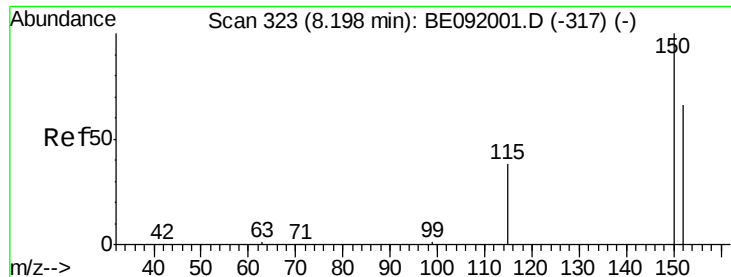
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092031.D

Acq: 23 Jul 2016 7:00

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-1600719

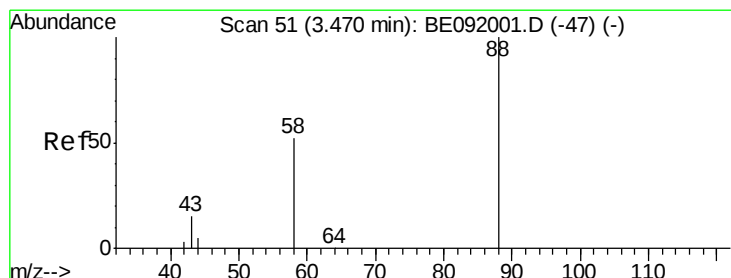
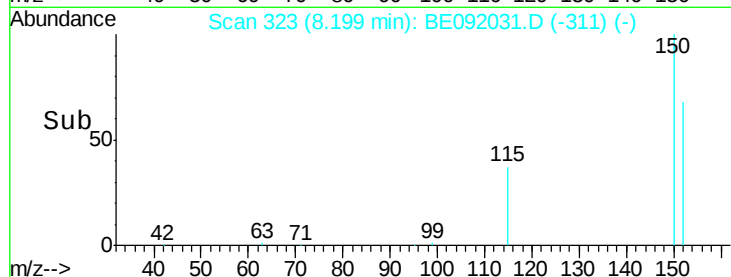
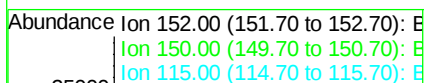
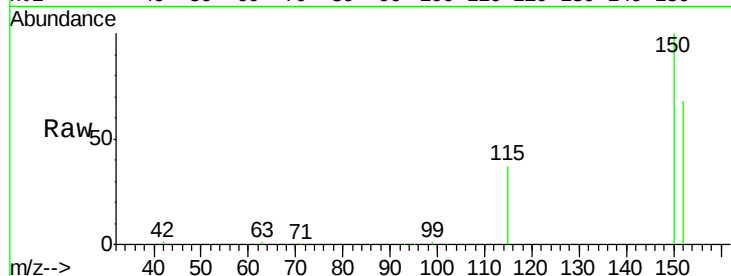
Tgt Ion:152 Resp: 24363

Ion Ratio Lower Upper

152 100

150 147.3 123.9 185.9

115 54.3 48.3 72.5



#2

1,4-Dioxane

Concen: 0.03 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE092031.D

Acq: 23 Jul 2016 7:00

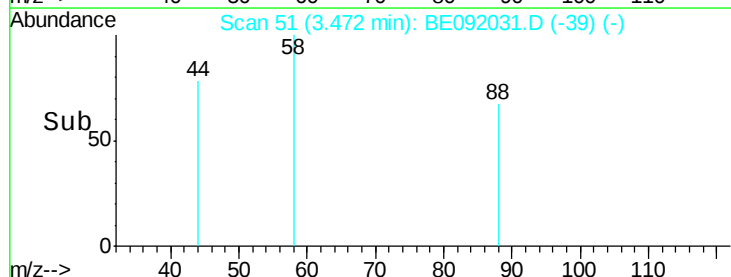
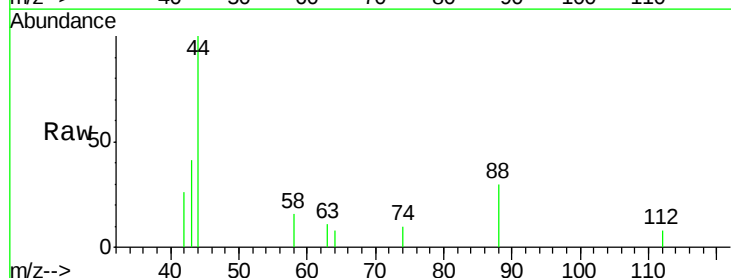
Tgt Ion: 88 Resp: 108

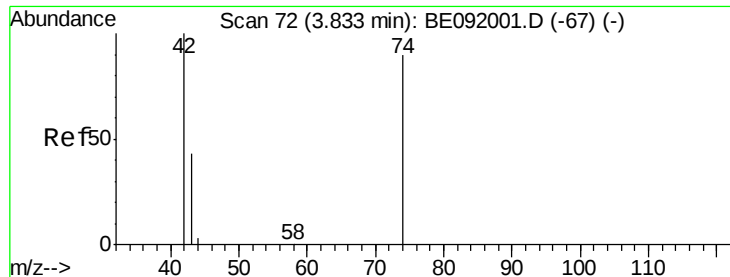
Ion Ratio Lower Upper

88 100

58 54.6 63.0 94.4#

43 82.4 29.1 43.7#





#3

n-Nitrosodimethylamine

Concen: 0.10 ng

RT: 3.75 min Scan# 67

Delta R.T. -0.08 min

Lab File: BE092031.D

Acq: 23 Jul 2016 7:00

Instrument :

BNA_E

ClientSampleId :

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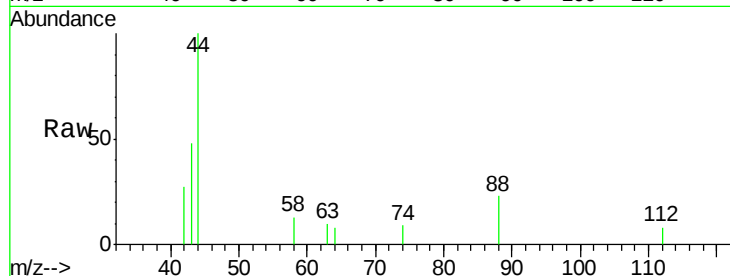
Tgt Ion: 42 Resp: 76

Ion Ratio Lower Upper

42 100

74 5.3 93.4 140.0#

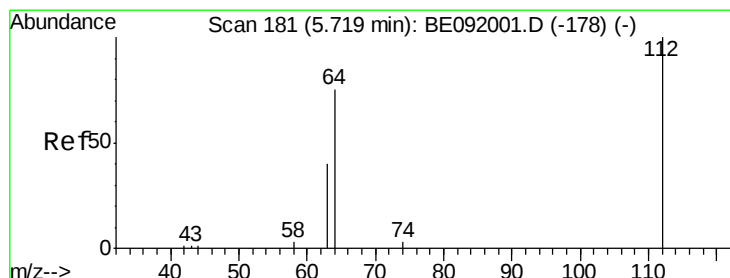
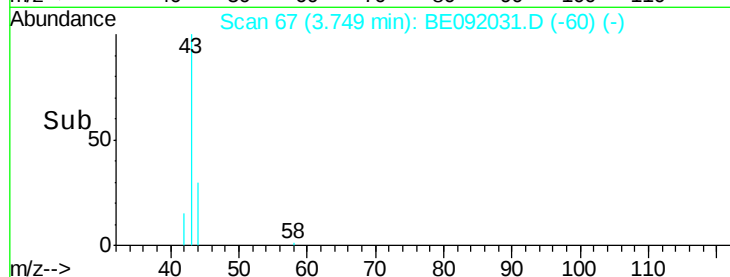
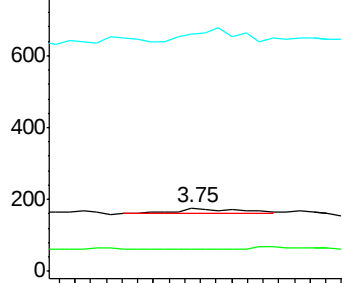
44 0.0 5.0 7.6#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 3.27 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE092031.D

Acq: 23 Jul 2016 7:00

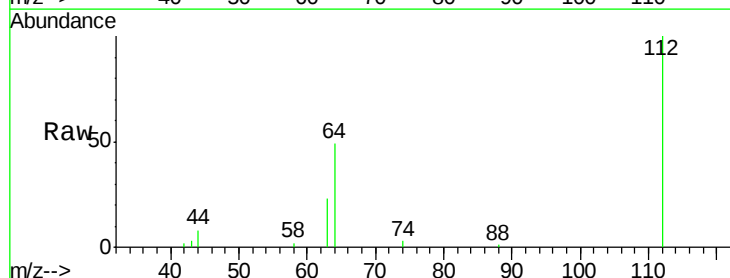
Tgt Ion: 112 Resp: 15457

Ion Ratio Lower Upper

112 100

64 67.7 53.7 80.5

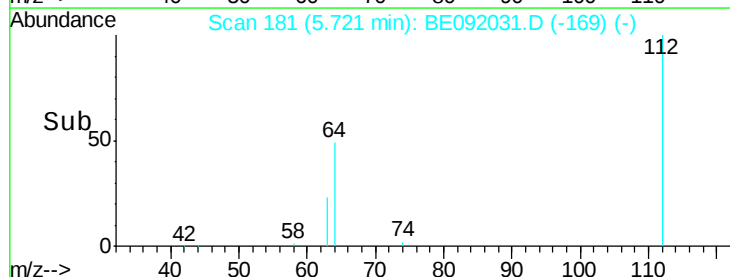
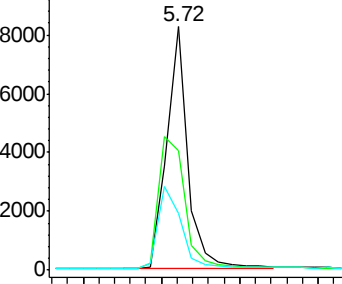
63 37.0 29.5 44.3

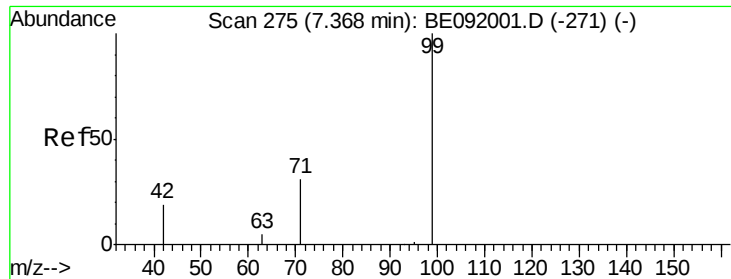


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.54 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE092031.D

Acq: 23 Jul 2016 7:00

Instrument :

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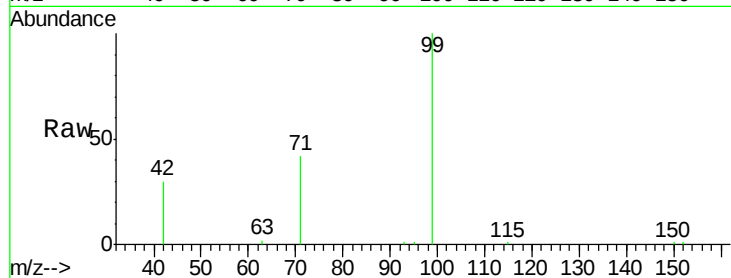
Tgt Ion: 99 Resp: 12128

Ion Ratio Lower Upper

99 100

42 26.2 19.6 29.4

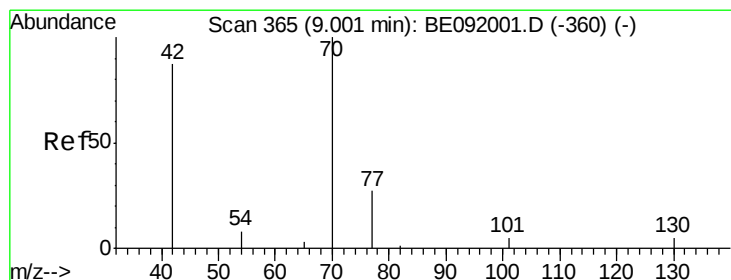
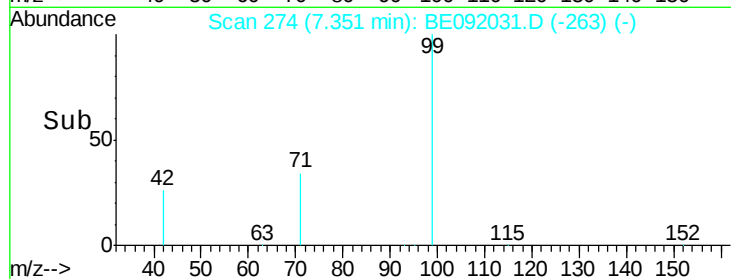
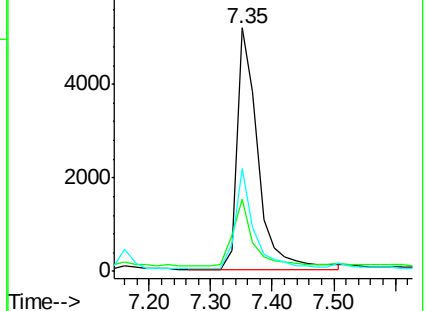
71 37.3 28.1 42.1



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: 0.06 ng

RT: 9.08 min Scan# 369

Delta R.T. 0.08 min

Lab File: BE092031.D

Acq: 23 Jul 2016 7:00

Tgt Ion: 70 Resp: 350

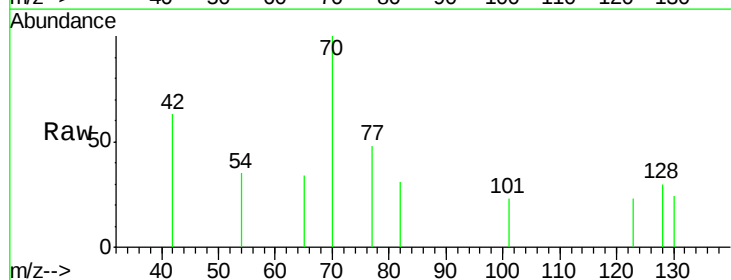
Ion Ratio Lower Upper

70 100

42 39.1 58.4 87.6#

101 0.0 6.4 9.6#

130 0.0 0.0 0.0

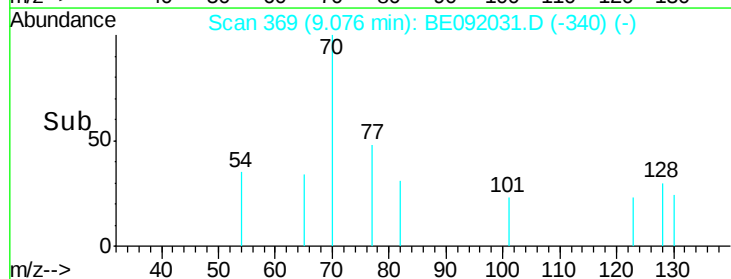
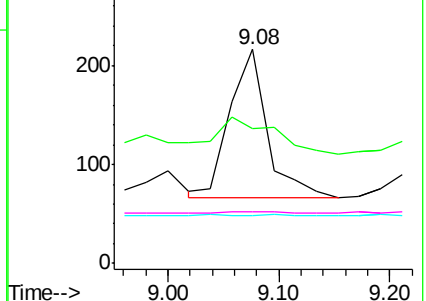


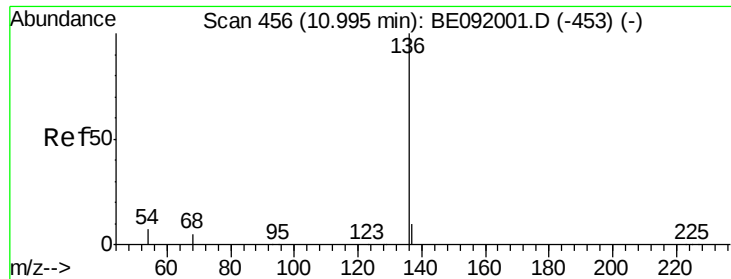
Abundance Ion 70.00 (69.70 to 70.70): BE0

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: 10.99 min Scan# 456

Delta R.T. -0.00 min

Lab File: BE092031.D

Acq: 23 Jul 2016 7:00

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-1600719

Tgt Ion: 136 Resp: 121821

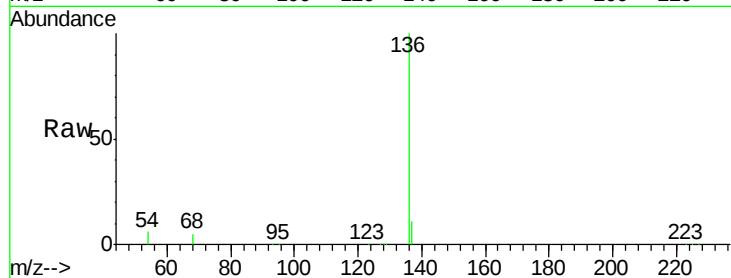
Ion Ratio Lower Upper

136 100

137 10.5 8.3 12.5

54 6.4 8.2 12.4#

68 4.8 5.9 8.9#

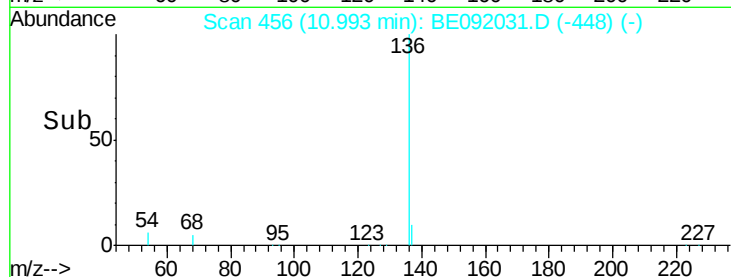


Abundance Ion 136.00 (135.70 to 136.70): E

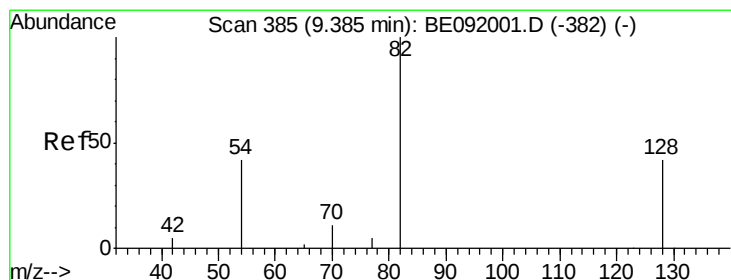
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#9

Nitrobenzene-d5

Concen: 4.07 ng

RT: 9.36 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE092031.D

Acq: 23 Jul 2016 7:00

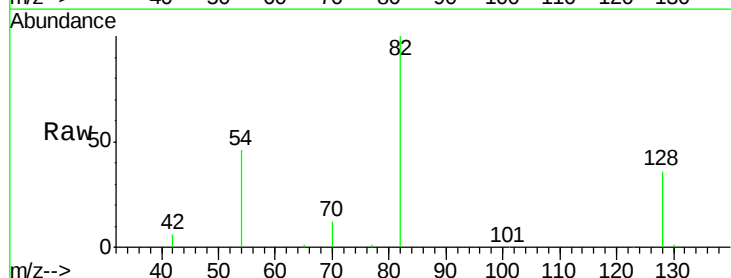
Tgt Ion: 82 Resp: 29846

Ion Ratio Lower Upper

82 100

128 36.4 39.5 59.3#

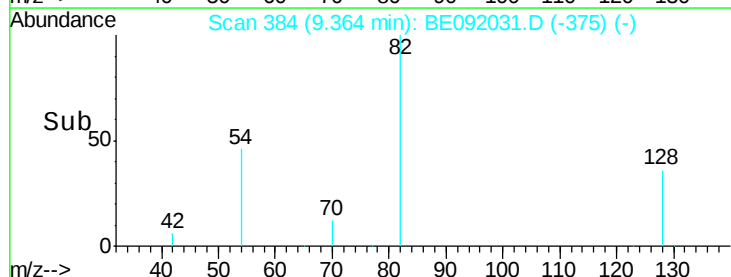
54 46.3 30.3 45.5#



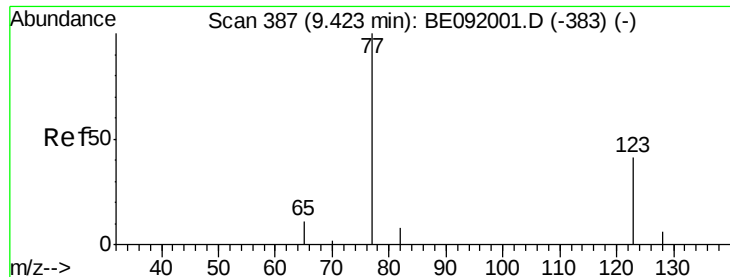
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->



#10

Nitrobenzene

Concen: 0.13 ng

RT: 9.46 min Scan# 389

Delta R.T. 0.04 min

Lab File: BE092031.D

Acq: 23 Jul 2016 7:00

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-1600719

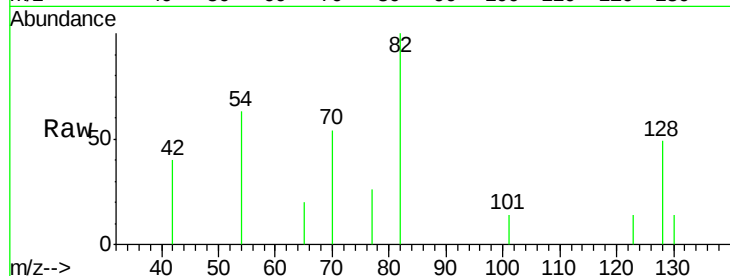
Tgt Ion: 77 Resp: 12

Ion Ratio Lower Upper

77 100

123 0.0 0.0 0.0

65 0.0 11.1 16.7#



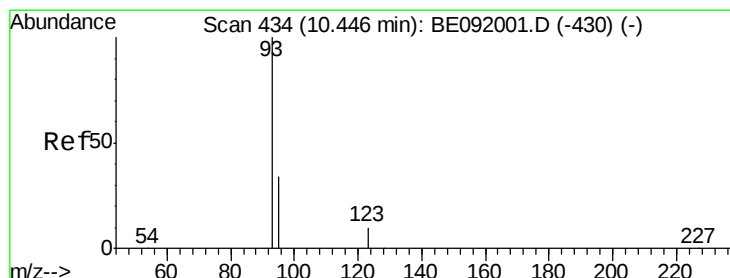
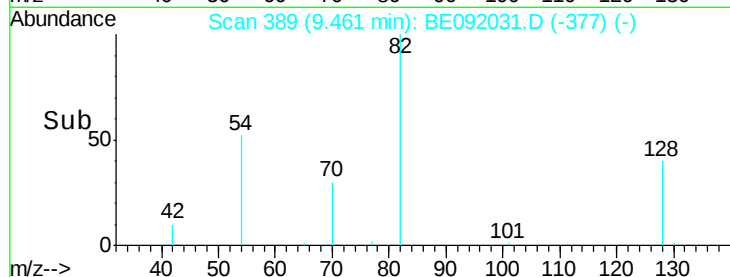
Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

9.46

Time-->



#11

bis(2-Chloroethoxy)methane

Concen: 0.08 ng

RT: 10.05 min Scan# 418

Delta R.T. -0.40 min

Lab File: BE092031.D

Acq: 23 Jul 2016 7:00

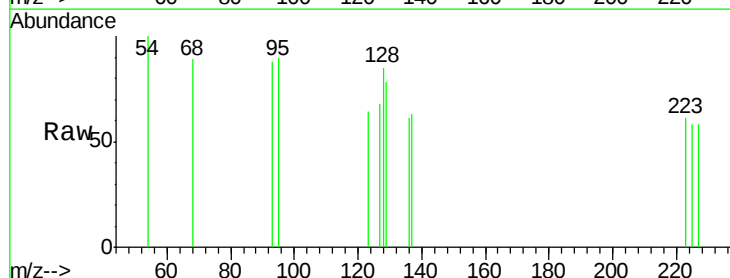
Tgt Ion: 93 Resp: 700

Ion Ratio Lower Upper

93 100

95 56.7 57.6 86.4#

123 0.0 100.2 150.4#



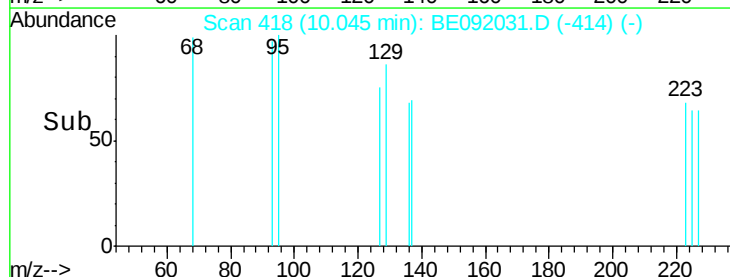
Abundance Ion 93.00 (92.70 to 93.70): BE0

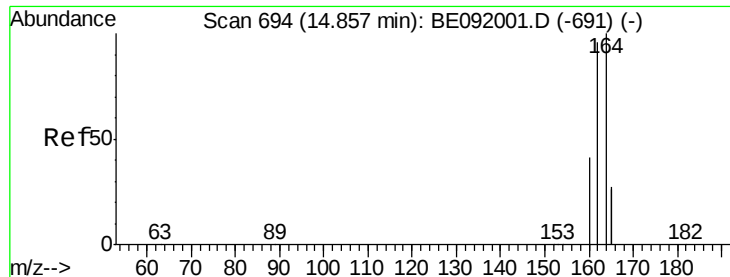
Ion 95.00 (94.70 to 95.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

10.05

Time-->

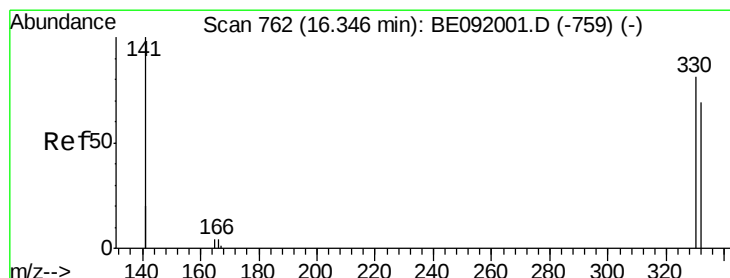
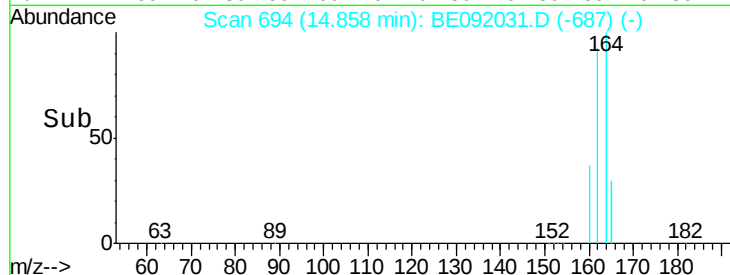
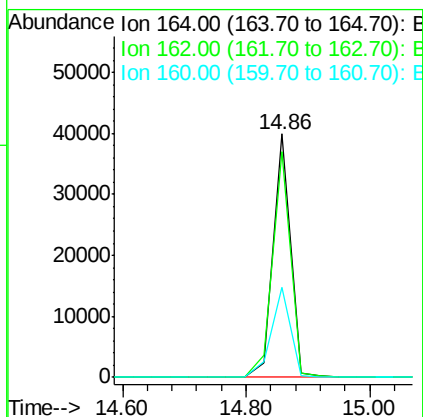
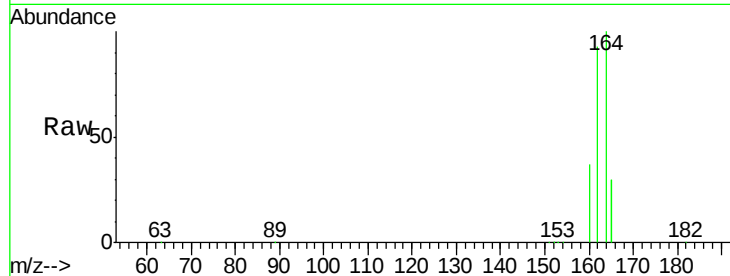




#15
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 14.86 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: BE092031.D
 Acq: 23 Jul 2016 7:00

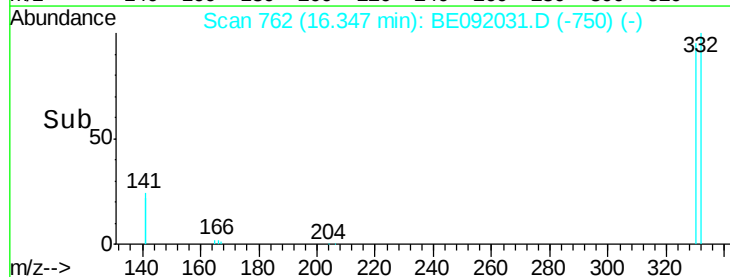
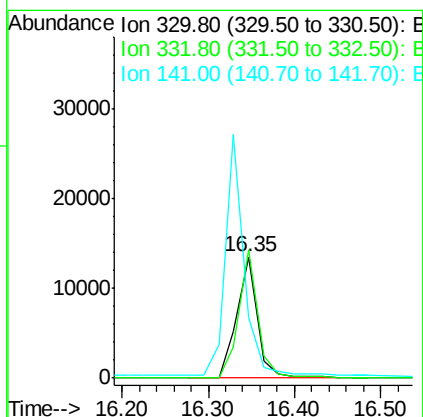
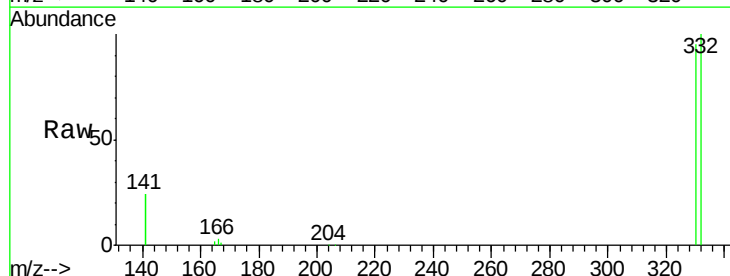
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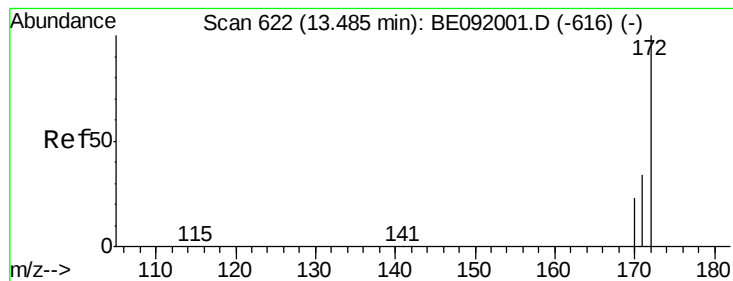
Tgt Ion:164 Resp: 77608
 Ion Ratio Lower Upper
 164 100
 162 92.5 71.8 107.8
 160 37.2 28.0 42.0



#16
 2,4,6-Tribromophenol
 Concen: 8.26 ng
 RT: 16.35 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE092031.D
 Acq: 23 Jul 2016 7:00

Tgt Ion:330 Resp: 22251
 Ion Ratio Lower Upper
 330 100
 332 98.3 77.0 115.6
 141 181.9 138.4 207.6

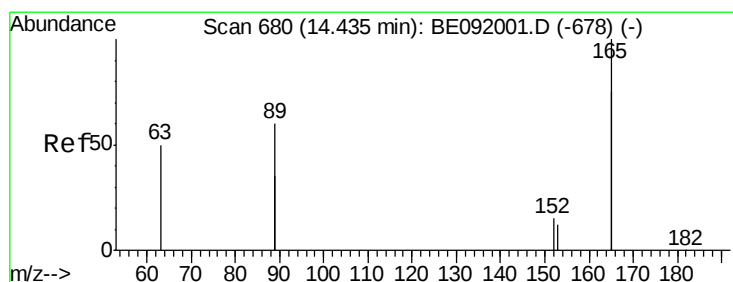
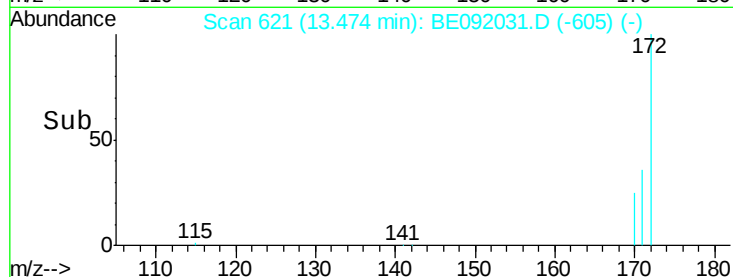
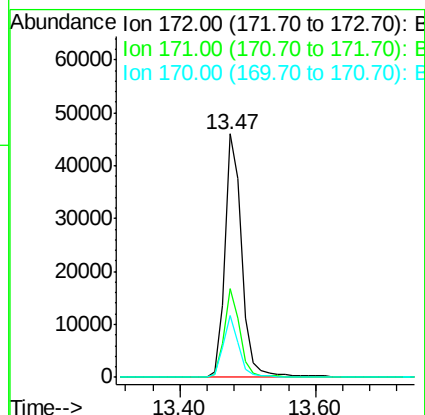
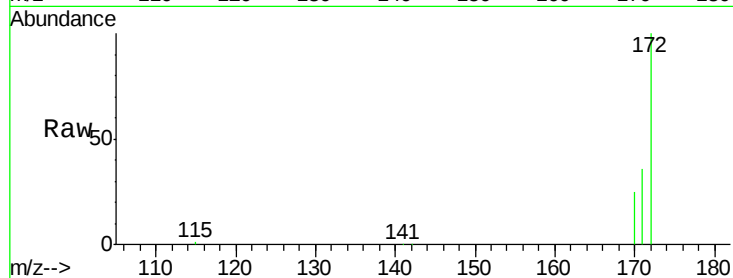




#17
 2-Fluorobiphenyl
 Concen: 3.95 ng
 RT: 13.47 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BE092031.D
 Acq: 23 Jul 2016 7:00

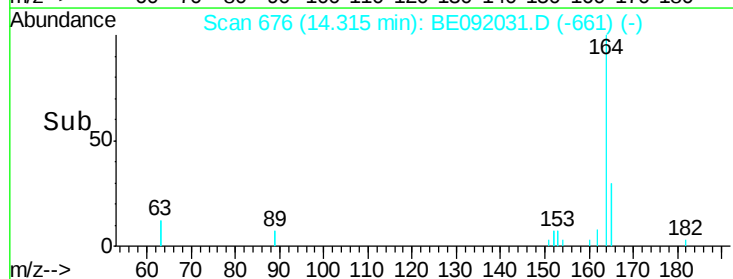
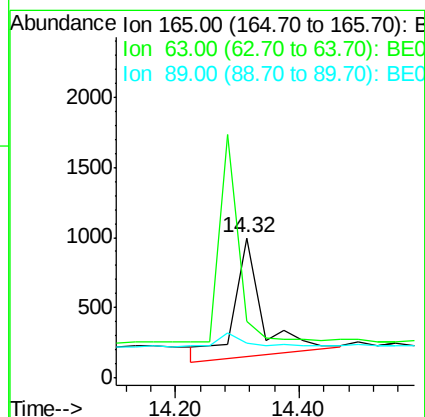
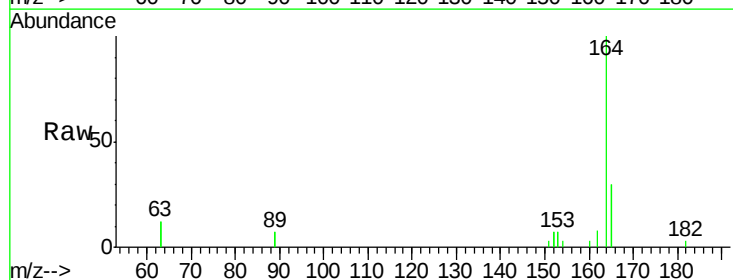
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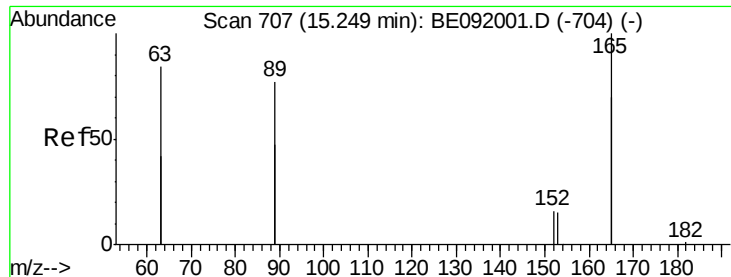
Tgt Ion:172 Resp: 80557
 Ion Ratio Lower Upper
 172 100
 171 36.3 24.3 36.5
 170 25.1 14.9 22.3#



#19
 2,6-Dinitrotoluene
 Concen: 0.28 ng
 RT: 14.32 min Scan# 676
 Delta R.T. -0.12 min
 Lab File: BE092031.D
 Acq: 23 Jul 2016 7:00

Tgt Ion:165 Resp: 2598
 Ion Ratio Lower Upper
 165 100
 63 0.0 65.9 98.9#
 89 0.0 59.1 88.7#





#21

2,4-Dinitrotoluene

Concen: 2.20 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.39 min

Lab File: BE092031.D

Acq: 23 Jul 2016 7:00

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-1600719

Tgt Ion:165 Resp: 44447

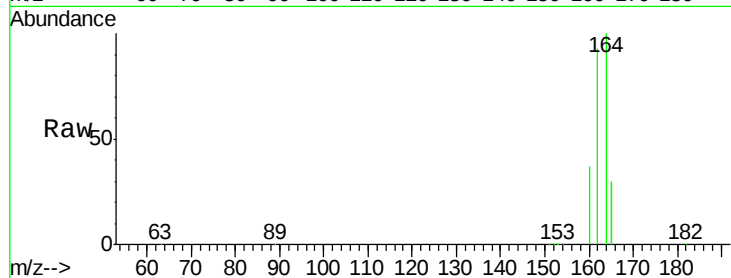
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 0.0 0.0 0.0

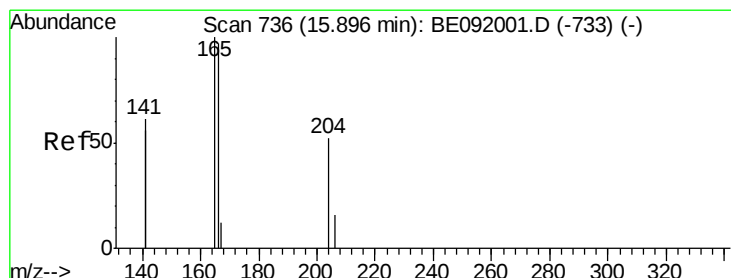
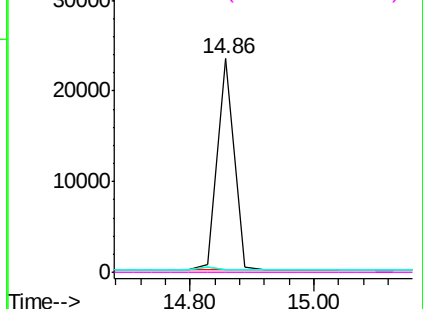
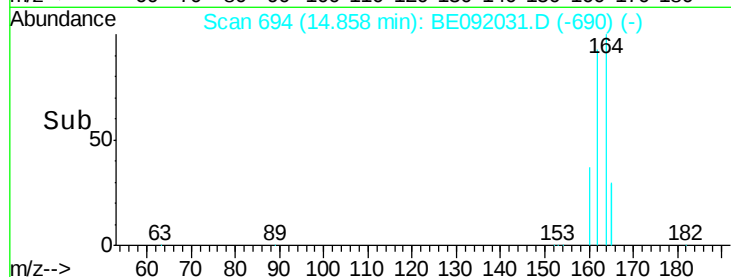


Abundance Ion 165.00 (164.70 to 165.70): E

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: 15.55 min Scan# 716

Delta R.T. -0.35 min

Lab File: BE092031.D

Acq: 23 Jul 2016 7:00

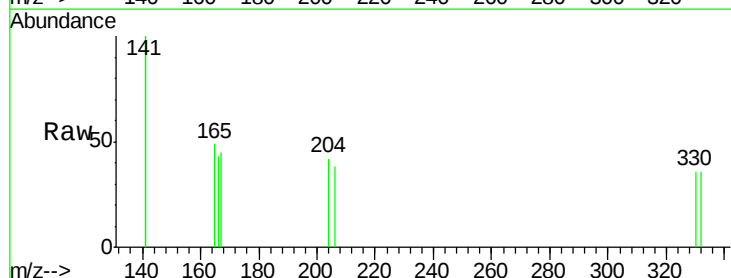
Tgt Ion:204 Resp: 536

Ion Ratio Lower Upper

204 100

206 61.0 27.8 41.6#

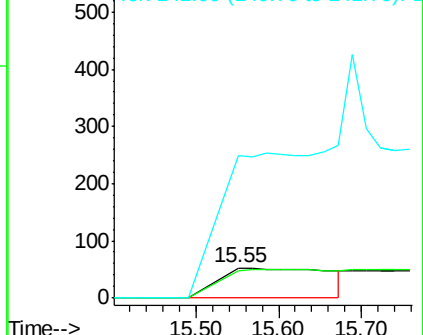
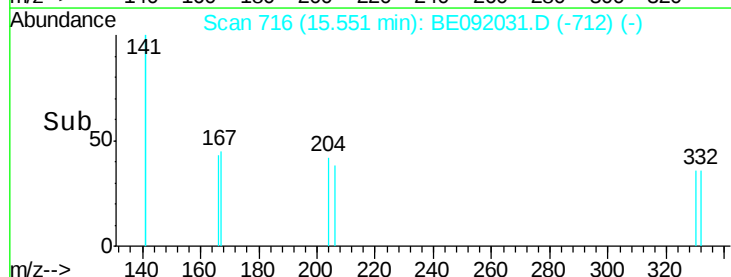
141 0.0 197.6 296.4#

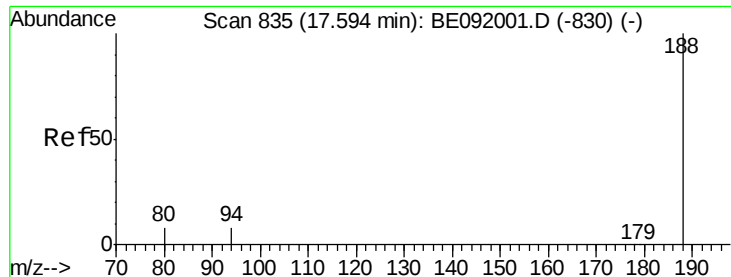


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

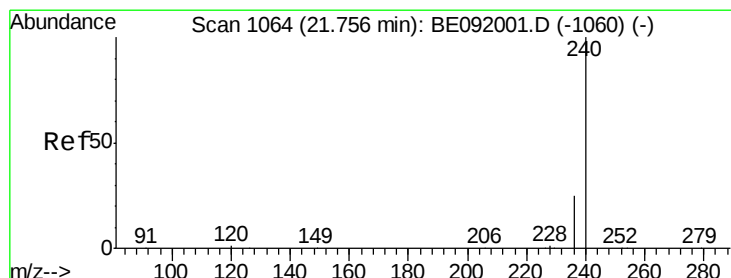
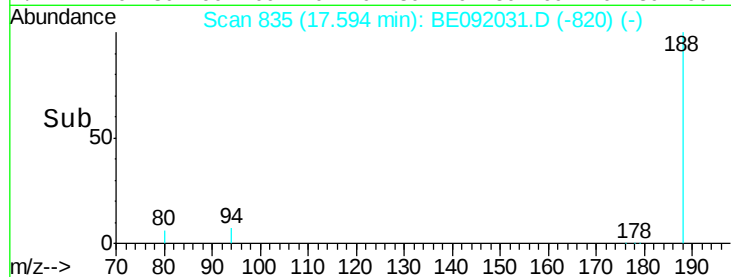
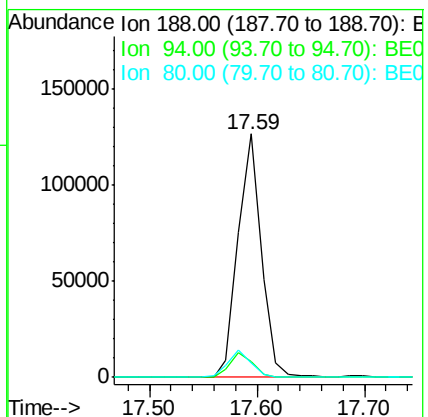
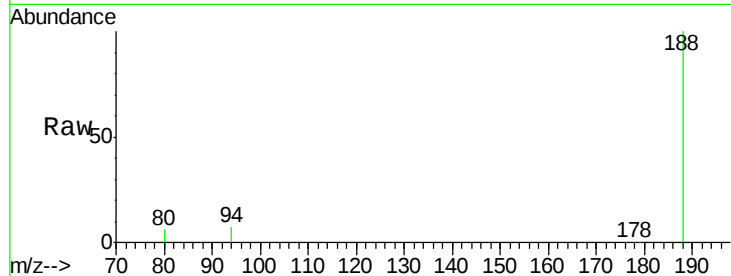




#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.59 min Scan# 835
Delta R.T. 0.00 min
Lab File: BE092031.D
Acq: 23 Jul 2016 7:00

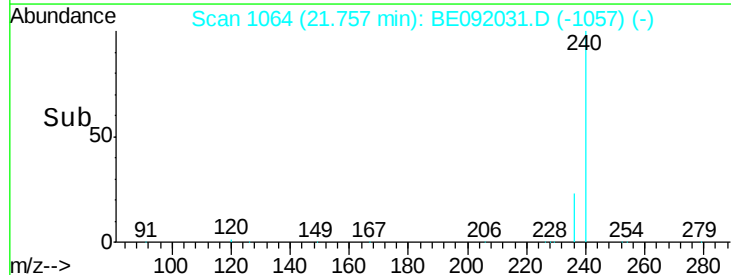
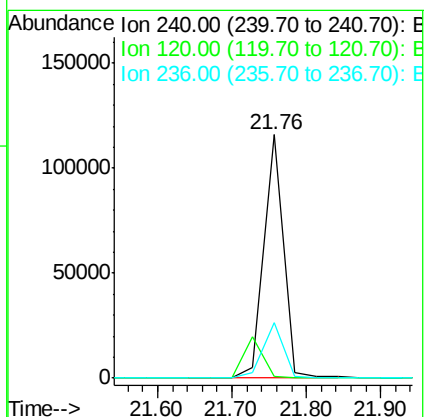
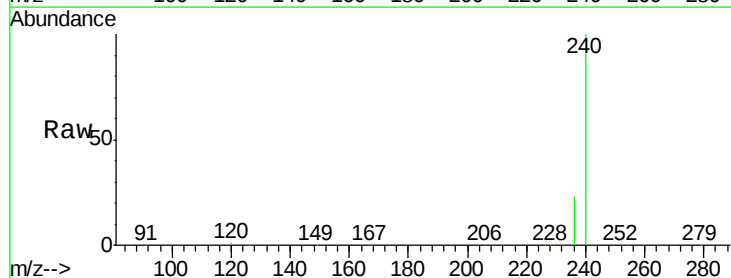
Instrument :
BNA_E
ClientSampleId :
OUTFALL001-1600719

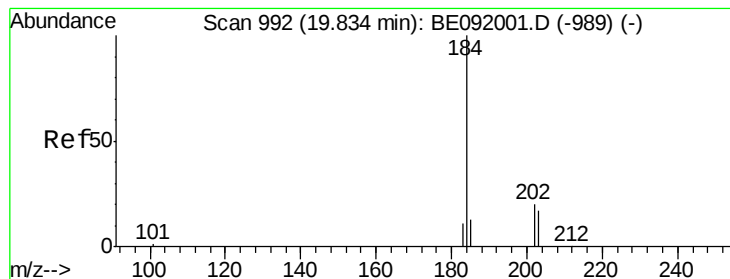
Tgt Ion:188 Resp: 189344
Ion Ratio Lower Upper
188 100
94 6.6 4.1 6.1#
80 5.9 3.4 5.2#



#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BE092031.D
Acq: 23 Jul 2016 7:00

Tgt Ion:240 Resp: 215323
Ion Ratio Lower Upper
240 100
120 0.7 1.2 1.8#
236 22.7 19.8 29.8





#32

Benzidine

Concen: 0.45 ng

RT: 20.20 min Scan# 1008

Delta R.T. 0.36 min

Lab File: BE092031.D

Acq: 23 Jul 2016 7:00

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-1600719

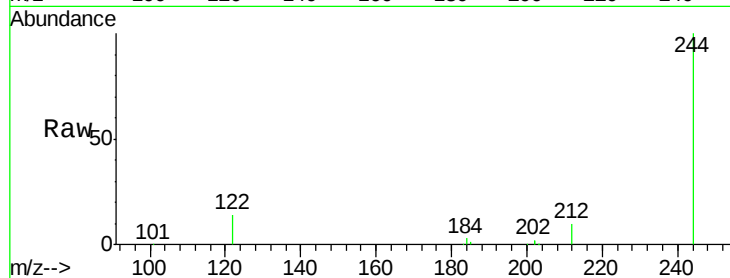
Tgt Ion:184 Resp: 2870

Ion Ratio Lower Upper

184 100

185 21.9 11.4 17.2#

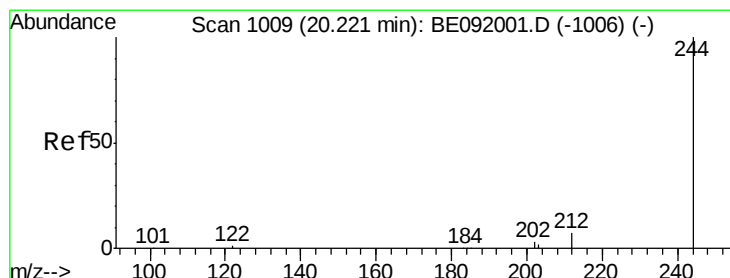
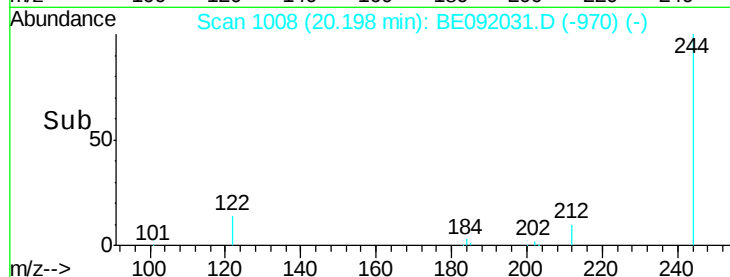
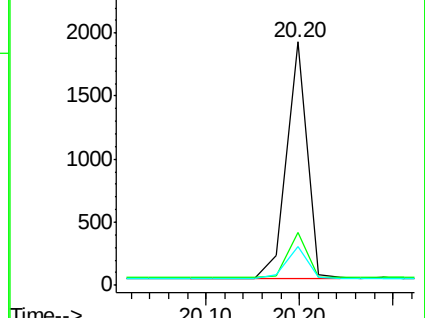
183 16.0 11.8 17.6



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: 6.29 ng

RT: 20.20 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BE092031.D

Acq: 23 Jul 2016 7:00

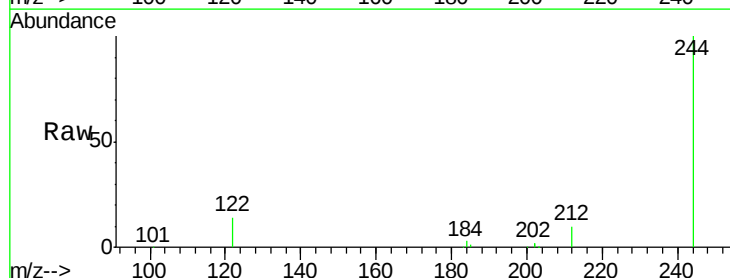
Tgt Ion:244 Resp: 136103

Ion Ratio Lower Upper

244 100

212 10.4 6.5 9.7#

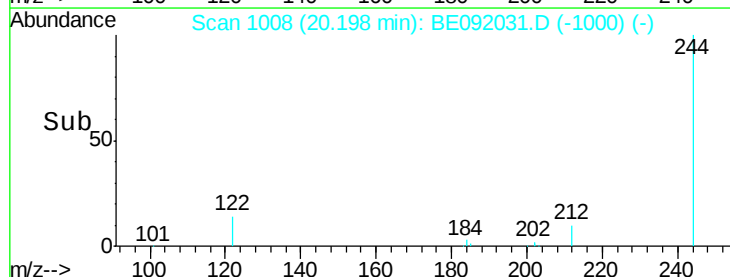
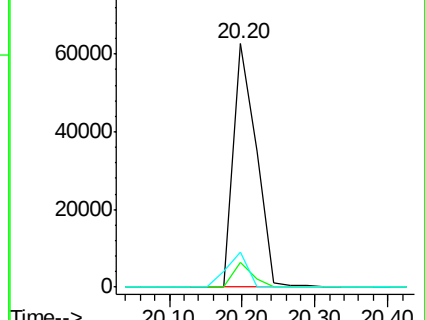
122 14.4 2.9 4.3#

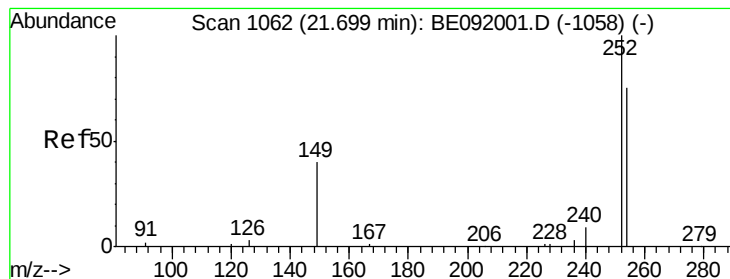


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

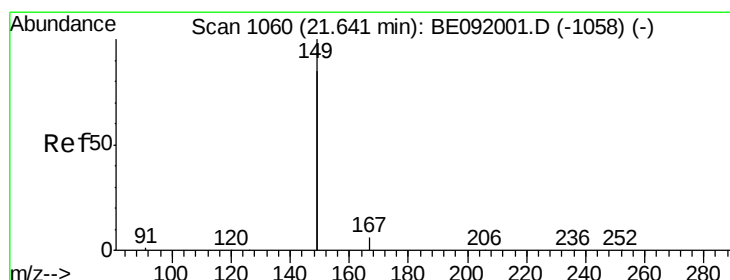
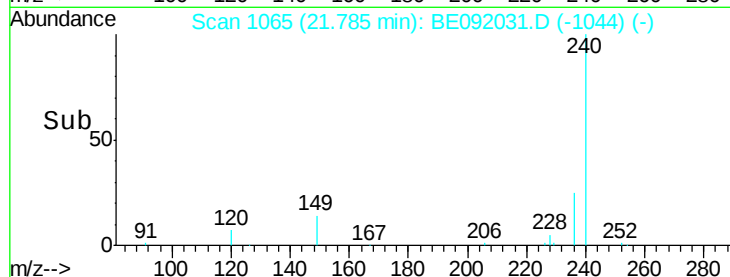
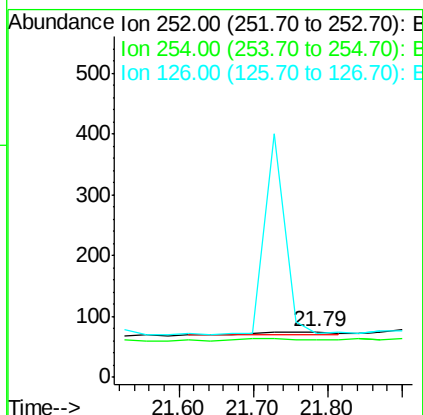
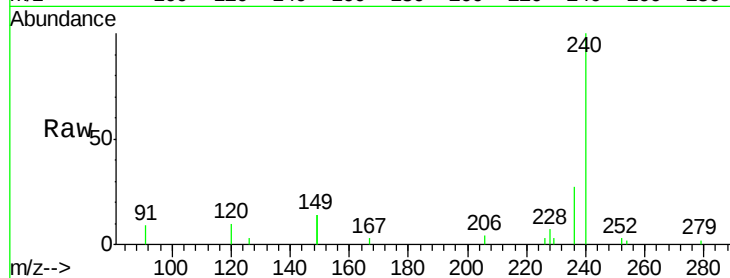




#36
 3,3'-Dichlorobenzidine
 Concen: 0.02 ng
 RT: 21.79 min Scan# 1065
 Delta R.T. 0.09 min
 Lab File: BE092031.D
 Acq: 23 Jul 2016 7:00

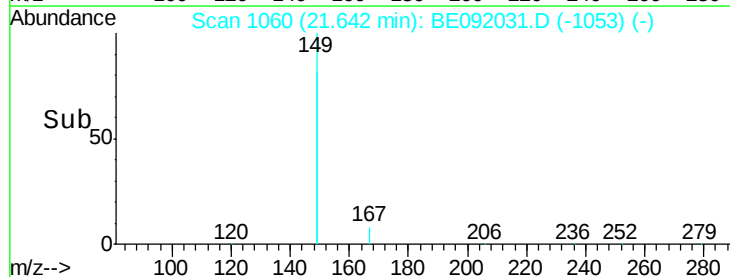
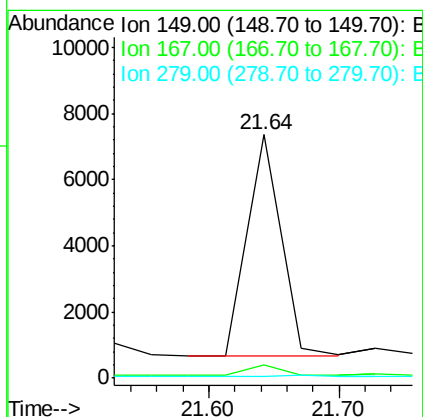
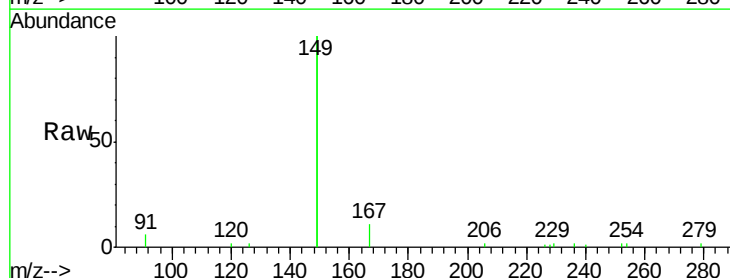
Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-1600719

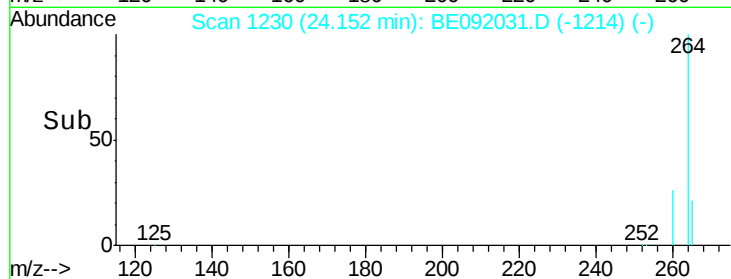
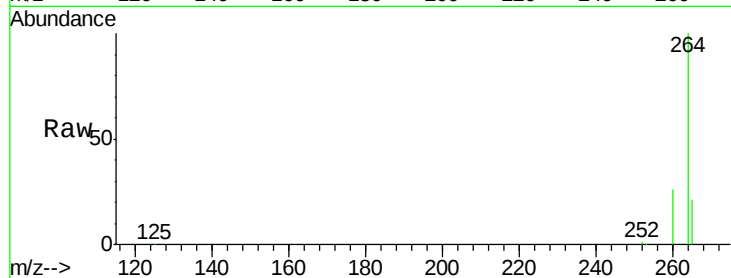
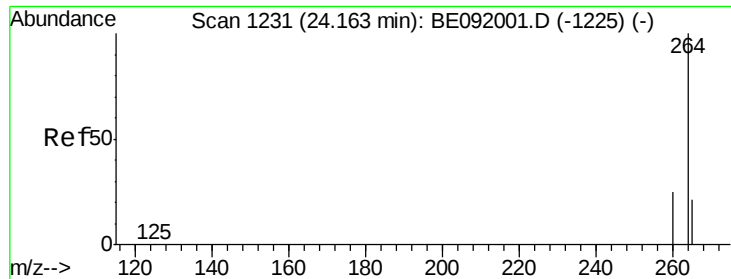
Tgt Ion: 252 Resp: 34
 Ion Ratio Lower Upper
 252 100
 254 82.7 61.5 92.3
 126 97.3 2.5 3.7#



#38
 Bis(2-ethylhexyl)phthalate
 Concen: 0.35 ng
 RT: 21.64 min Scan# 1060
 Delta R.T. 0.00 min
 Lab File: BE092031.D
 Acq: 23 Jul 2016 7:00

Tgt Ion: 149 Resp: 12021
 Ion Ratio Lower Upper
 149 100
 167 4.8 0.0 0.0#
 279 0.0 0.0 0.0





#40

Perylene-d12

Concen: 5.00 ng

RT: 24.15 min Scan# 1230

Delta R.T. -0.01 min

Lab File: BE092031.D

Acq: 23 Jul 2016 7:00

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-1600719

Tgt Ion: 264 Resp: 191911

Ion Ratio Lower Upper

264 100

260 26.2 20.3 30.5

265 20.9 17.6 26.4

