

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE120916\
 Data File : BE092594.D
 Acq On : 9 Dec 2016 15:27
 Operator : UM/SJ
 Sample : H5923-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-1

Quant Time: Dec 09 23:08:02 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE111616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 16 15:43:18 2016
 Response via : Initial Calibration

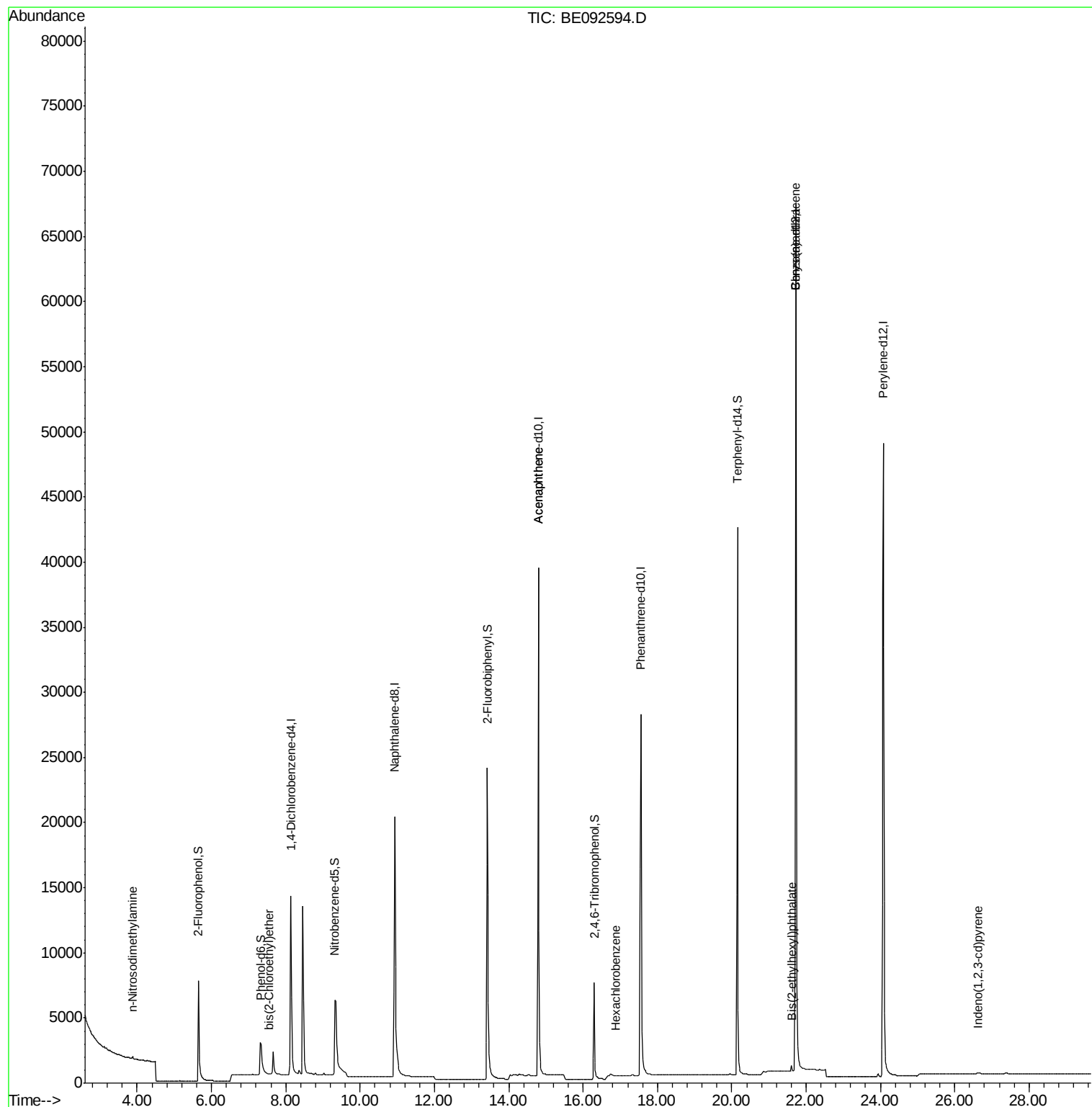
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	9250	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	40733	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	27296	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	55993	5.00	ng	0.00
24) Chrysene-d12	21.72	240	83747	5.00	ng	0.00
31) Perylene-d12	24.08	264	76639	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.65	112	8260	5.29	ng	-0.02
5) Phenol-d6	7.34	99	5945	2.36	ng	-0.02
8) Nitrobenzene-d5	9.32	82	12747	4.82	ng	-0.05
13) 2,4,6-Tribromophenol	16.30	330	6274	10.25	ng	-0.01
14) 2-Fluorobiphenyl	13.42	172	33640	5.05	ng	-0.01
26) Terphenyl-d14	20.16	244	52613	5.49	ng	-0.02
Target Compounds						
3) n-Nitrosodimethylamine	3.88	42	54	0.21	ng	# 2
6) bis(2-Chloroethyl)ether	7.54	93	7	0.04	ng	# 15
16) Acenaphthene	14.80	154	125	0.02	ng	# 1
19) Hexachlorobenzene	16.89	284	1079	0.49	ng	# 39
27) Benzo(a)anthracene	21.72	228	943	0.11	ng	# 48
29) Bis(2-ethylhexyl)phthalate	21.61	149	557	0.22	ng	# 76
30) Indeno(1,2,3-cd)pyrene	26.62	276	147	0.05	ng	# 86

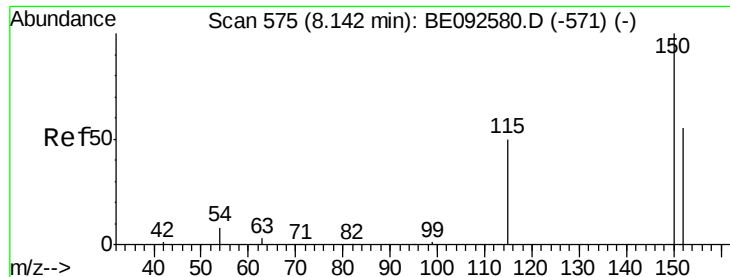
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. -0.02 min

Lab File: BE092594.D

Acq: 9 Dec 2016 15:27

Instrument :

BNA_E

ClientSampleId :

MW-1

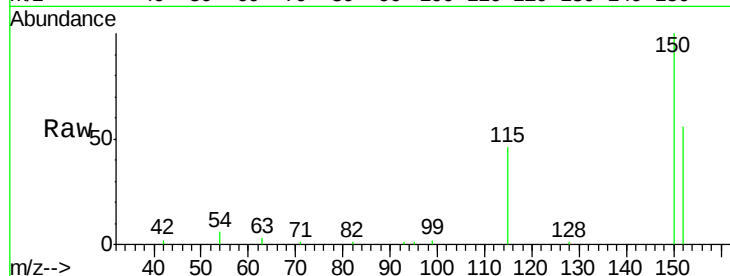
Tgt Ion: 152 Resp: 9250

Ion Ratio Lower Upper

152 100

150 177.2 106.0 159.0#

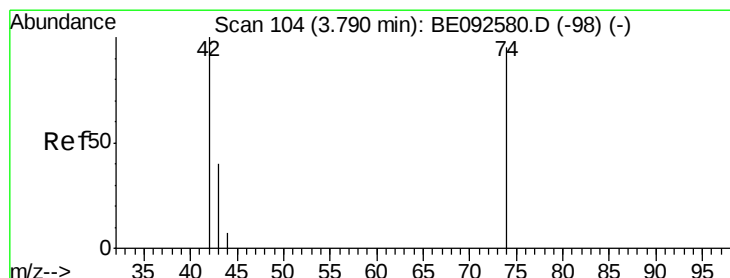
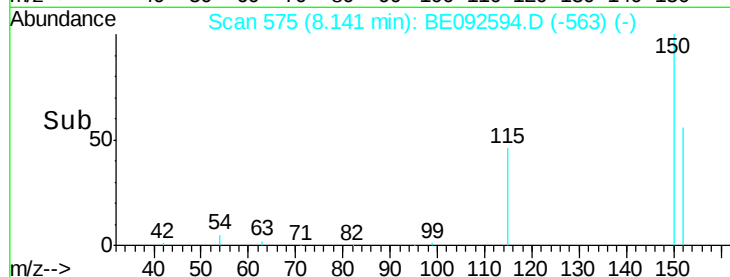
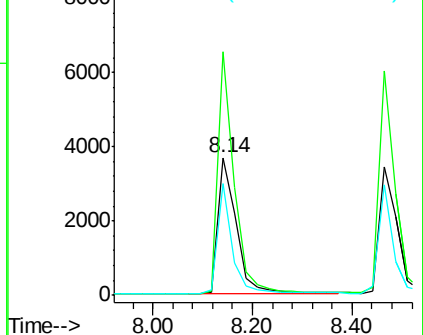
115 81.7 31.2 46.8#



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



#3

n-Nitrosodimethylamine

Concen: 0.21 ng

RT: 3.88 min Scan# 112

Delta R.T. 0.11 min

Lab File: BE092594.D

Acq: 9 Dec 2016 15:27

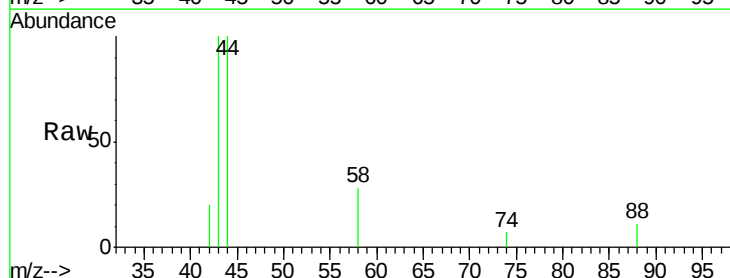
Tgt Ion: 42 Resp: 54

Ion Ratio Lower Upper

42 100

74 0.0 86.0 129.0#

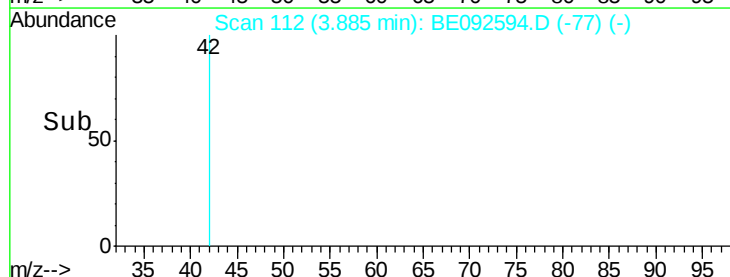
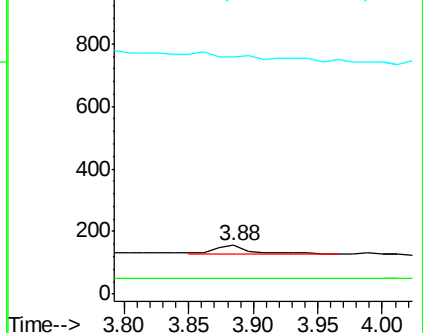
44 0.0 5.1 7.7#

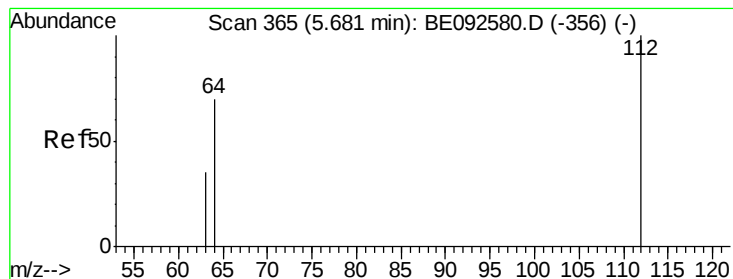


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 5.29 ng

RT: 5.65 min Scan# 360

Delta R.T. -0.02 min

Lab File: BE092594.D

Acq: 9 Dec 2016 15:27

Instrument :

BNA_E

ClientSampled :

MW-1

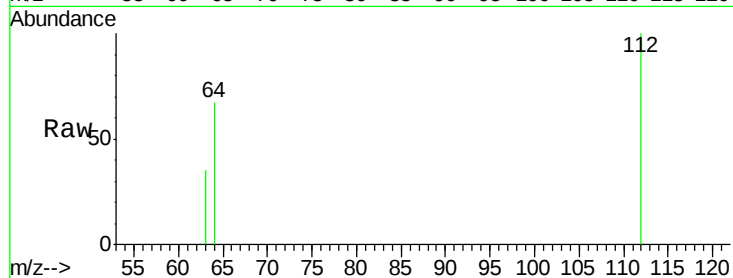
Tgt Ion: 112 Resp: 8260

Ion Ratio Lower Upper

112 100

64 68.4 53.5 80.3

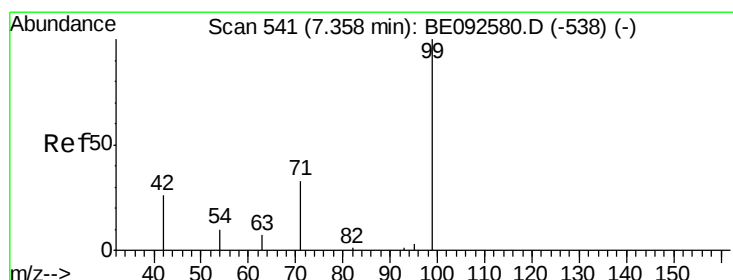
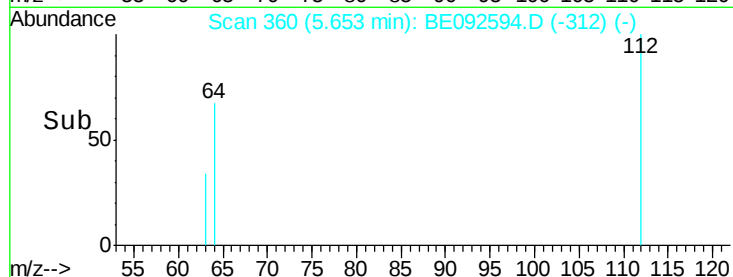
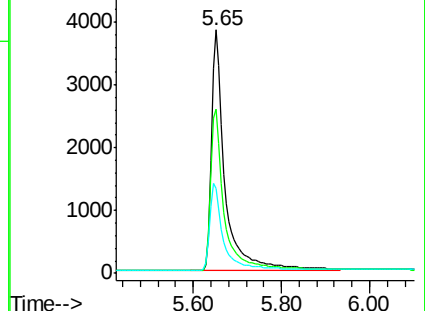
63 36.5 27.9 41.9



Abundance Ion 112.00 (111.70 to 112.70): BE092580.D (-356) (-)

Ion 64.00 (63.70 to 64.70): BE092580.D (-356) (-)

Ion 63.00 (62.70 to 63.70): BE092580.D (-356) (-)



#5

Phenol-d6

Concen: 2.36 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092594.D

Acq: 9 Dec 2016 15:27

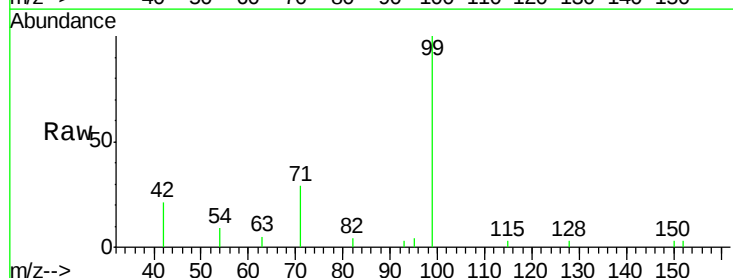
Tgt Ion: 99 Resp: 5945

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

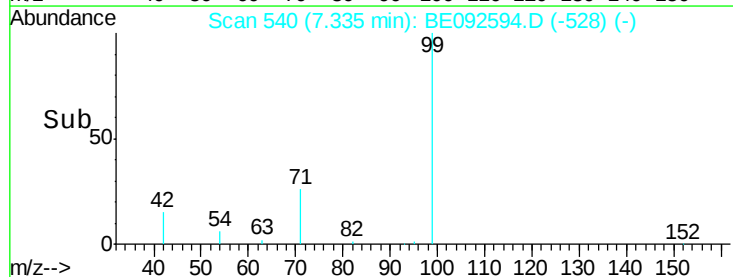
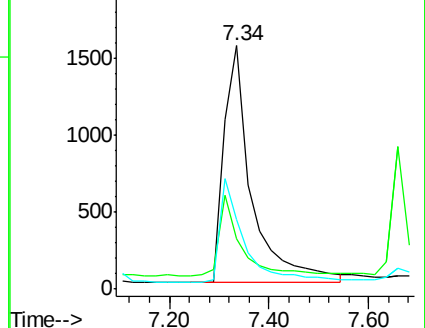
71 0.0 30.6 45.8#

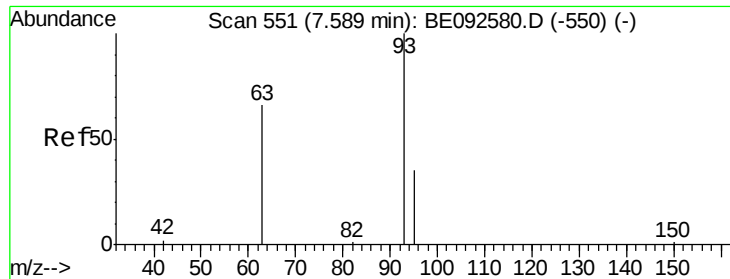


Abundance Ion 99.00 (98.70 to 99.70): BE092580.D (-538) (-)

Ion 42.00 (41.70 to 42.70): BE092580.D (-538) (-)

Ion 71.00 (70.70 to 71.70): BE092580.D (-538) (-)





#6

bis(2-Chloroethyl)ether

Concen: 0.04 ng

RT: 7.54 min Scan# 549

Delta R.T. -0.05 min

Lab File: BE092594.D

Acq: 9 Dec 2016 15:27

Instrument :

BNA_E

ClientSampleId :

MW-1

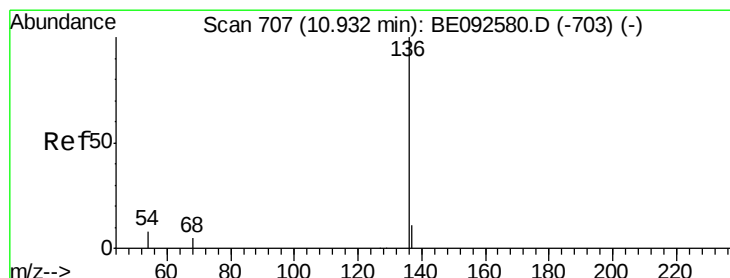
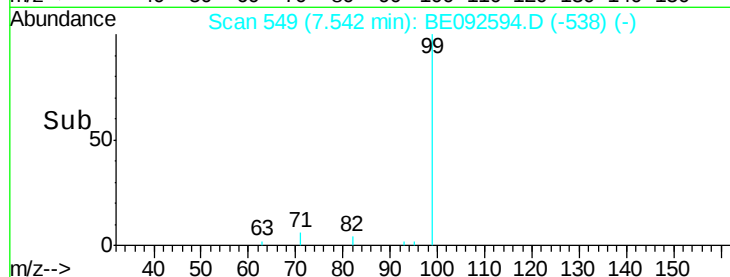
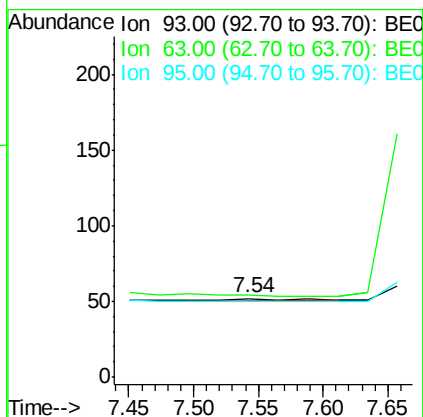
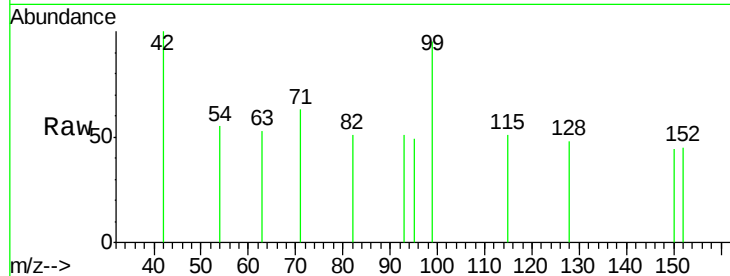
Tgt Ion: 93 Resp: 7

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

95 0.0 24.0 36.0#



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.93 min Scan# 707

Delta R.T. -0.00 min

Lab File: BE092594.D

Acq: 9 Dec 2016 15:27

Tgt Ion: 136 Resp: 40733

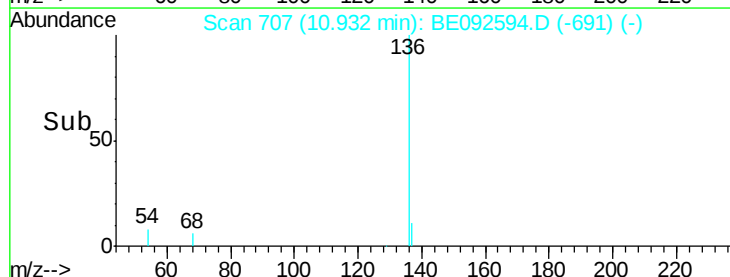
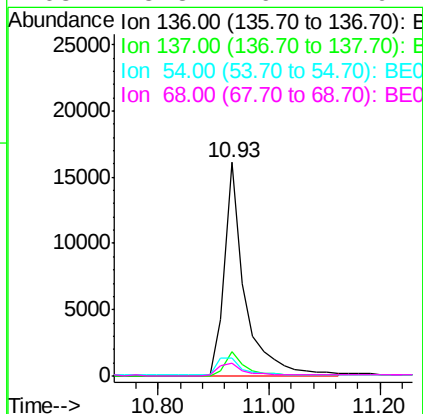
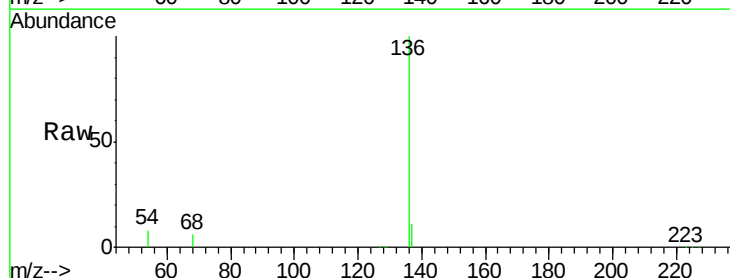
Ion Ratio Lower Upper

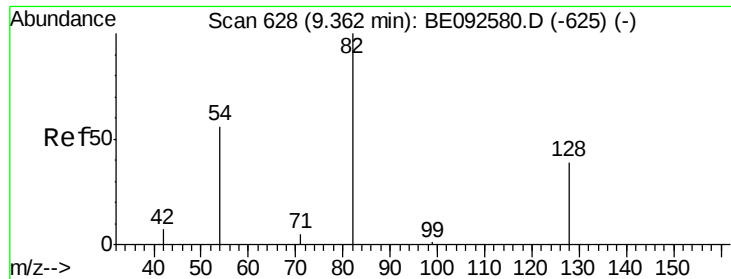
136 100

137 11.1 8.2 12.4

54 8.2 9.6 14.4#

68 5.8 6.7 10.1#





#8

Nitrobenzene-d5

Concen: 4.82 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.05 min

Lab File: BE092594.D

Acq: 9 Dec 2016 15:27

Instrument :

BNA_E

ClientSampleId :

MW-1

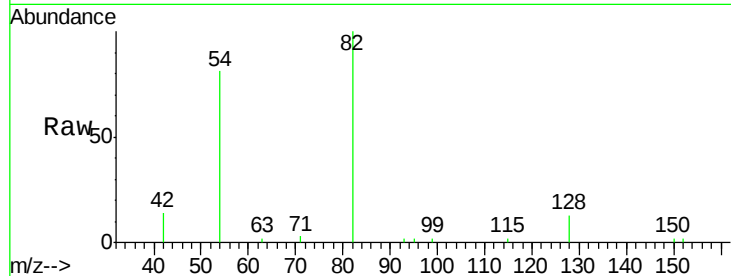
Tgt Ion: 82 Resp: 12747

Ion Ratio Lower Upper

82 100

128 13.0 39.0 58.4#

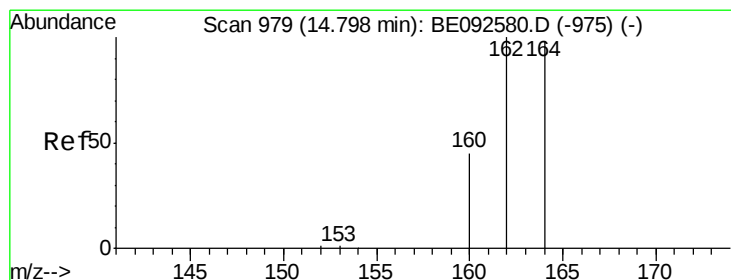
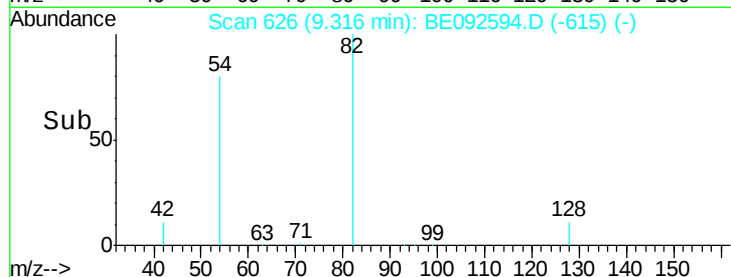
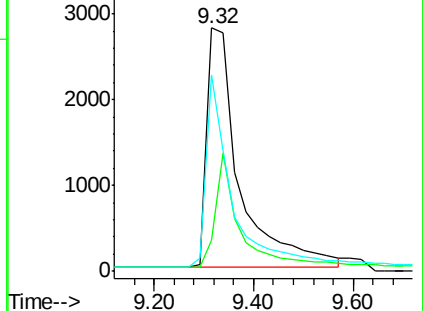
54 80.7 44.8 67.2#



Abundance Ion 82.00 (81.70 to 82.70): BE092580.D (-625) (-)

Ion 128.00 (127.70 to 128.70): BE092580.D (-625) (-)

Ion 54.00 (53.70 to 54.70): BE092580.D (-625) (-)



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.80 min Scan# 979

Delta R.T. 0.00 min

Lab File: BE092594.D

Acq: 9 Dec 2016 15:27

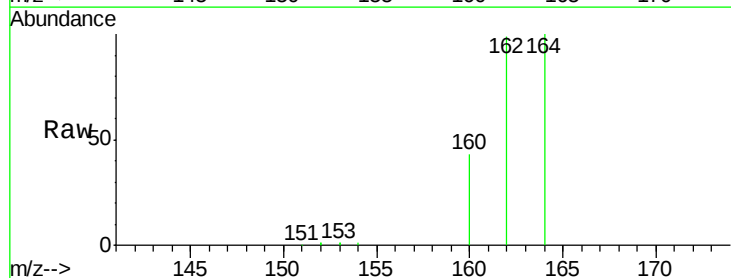
Tgt Ion: 164 Resp: 27296

Ion Ratio Lower Upper

164 100

162 99.2 71.4 107.0

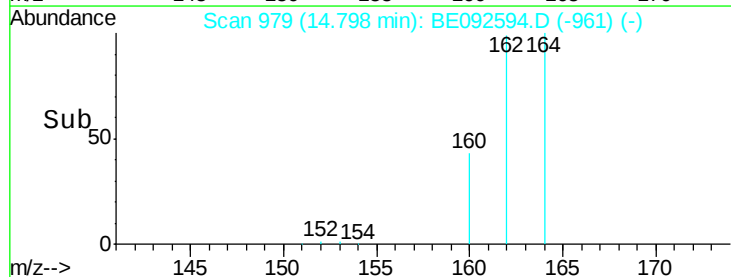
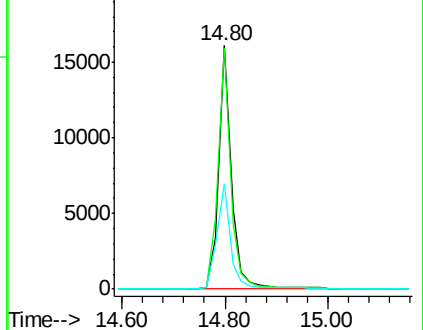
160 43.3 27.4 41.2#

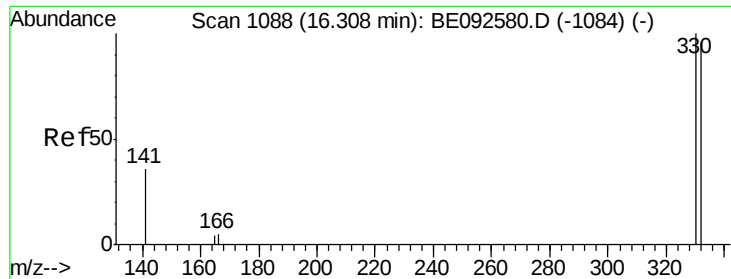


Abundance Ion 164.00 (163.70 to 164.70): BE092580.D (-975) (-)

Ion 162.00 (161.70 to 162.70): BE092580.D (-975) (-)

Ion 160.00 (159.70 to 160.70): BE092580.D (-975) (-)

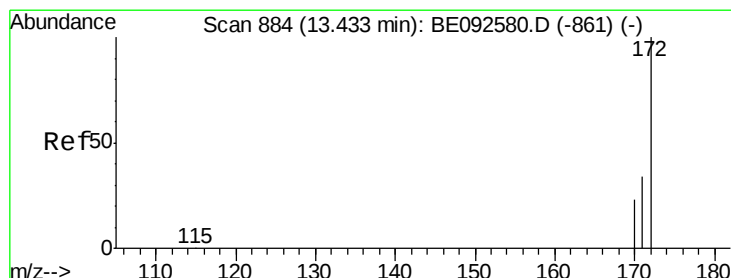
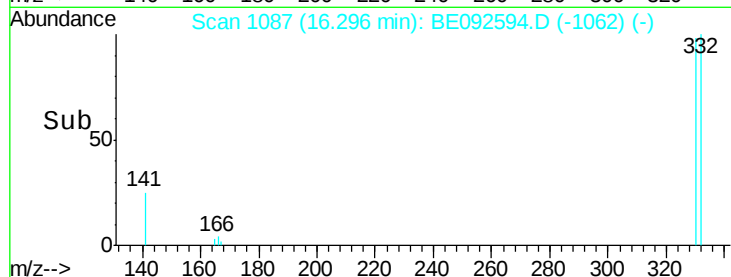
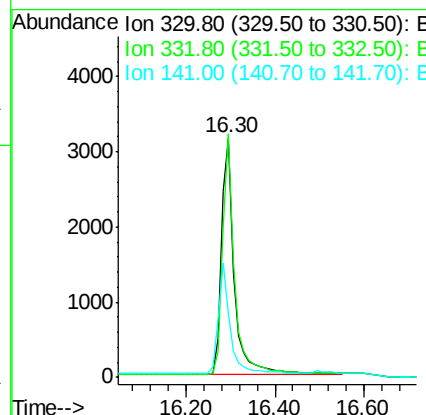
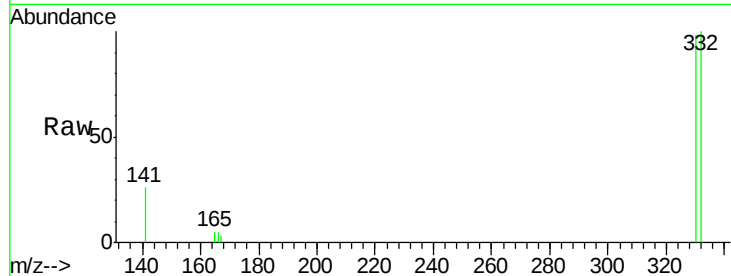




#13
 2,4,6-Tribromophenol
 Concen: 10.25 ng
 RT: 16.30 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BE092594.D
 Acq: 9 Dec 2016 15:27

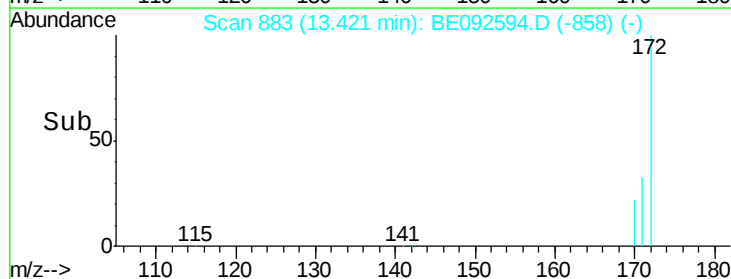
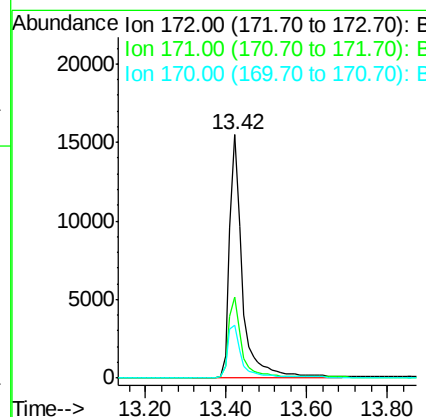
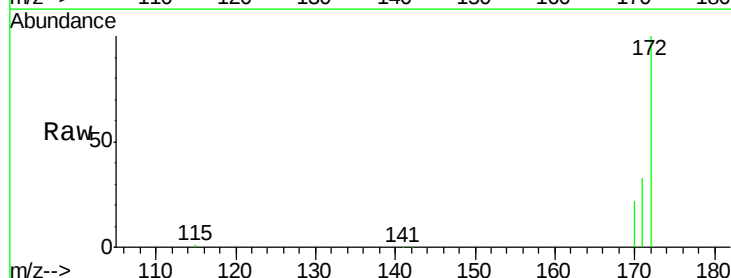
Instrument :
 BNA_E
 ClientSampleId :
 MW-1

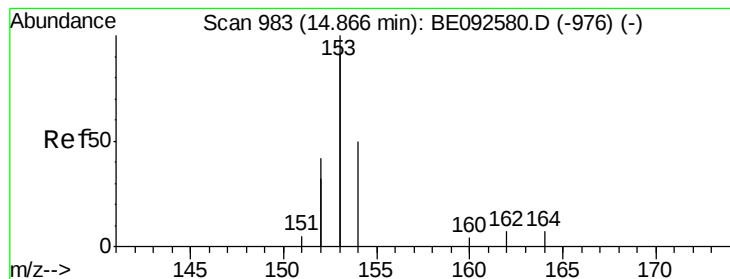
Tgt Ion:330 Resp: 6274
 Ion Ratio Lower Upper
 330 100
 332 95.8 75.4 113.0
 141 43.5 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 5.05 ng
 RT: 13.42 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BE092594.D
 Acq: 9 Dec 2016 15:27

Tgt Ion:172 Resp: 33640
 Ion Ratio Lower Upper
 172 100
 171 33.1 30.1 45.1
 170 21.8 21.8 32.6





#16

Acenaphthene

Concen: 0.02 ng

RT: 14.80 min Scan# 979

Delta R.T. -0.07 min

Lab File: BE092594.D

Acq: 9 Dec 2016 15:27

Instrument :

BNA_E

ClientSampled :

MW-1

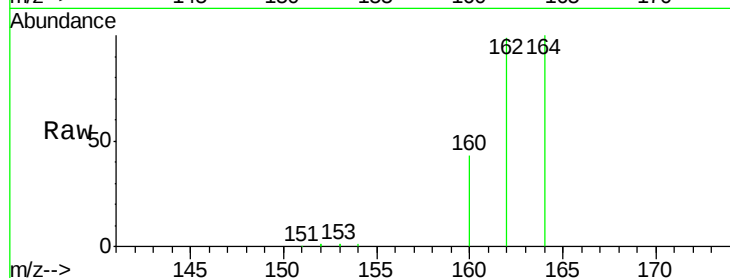
Tgt Ion:154 Resp: 125

Ion Ratio Lower Upper

154 100

153 0.0 350.8 526.2#

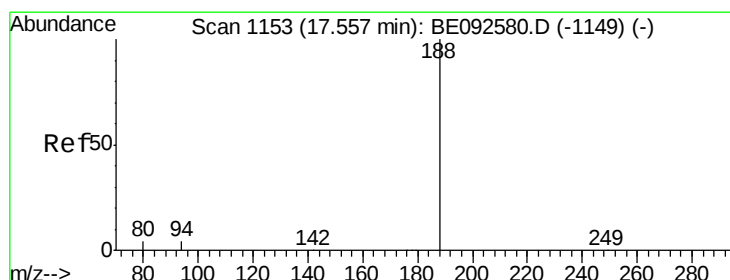
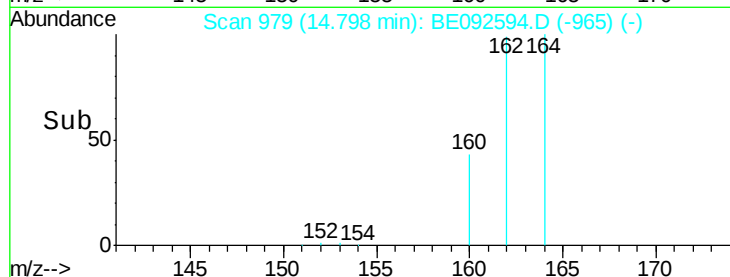
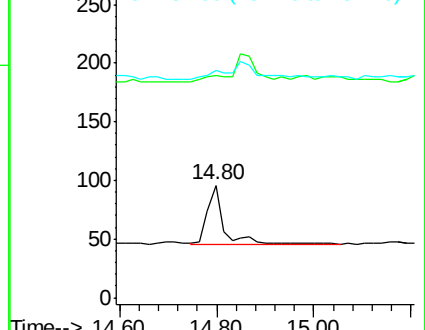
152 0.0 171.1 256.7#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BE092594.D

Acq: 9 Dec 2016 15:27

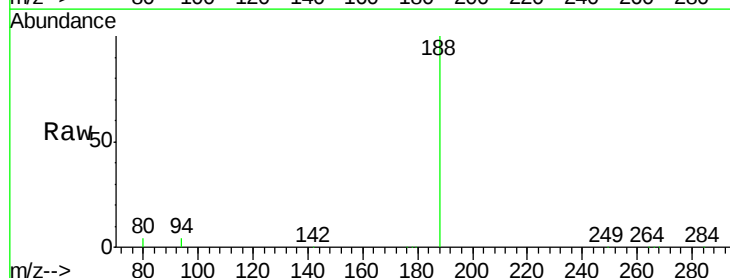
Tgt Ion:188 Resp: 55993

Ion Ratio Lower Upper

188 100

94 4.4 3.2 4.8

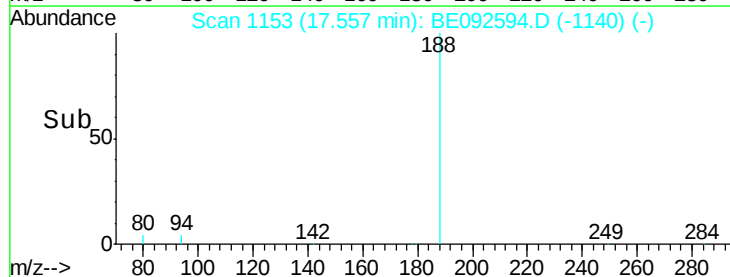
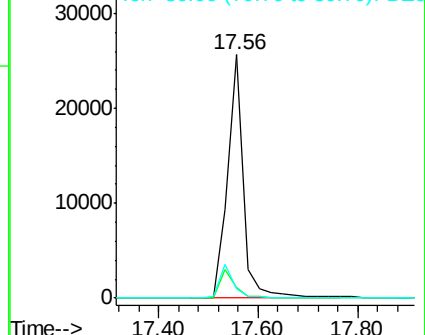
80 4.0 2.6 3.8#

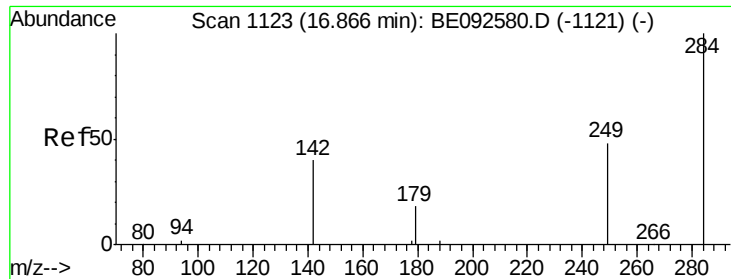


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

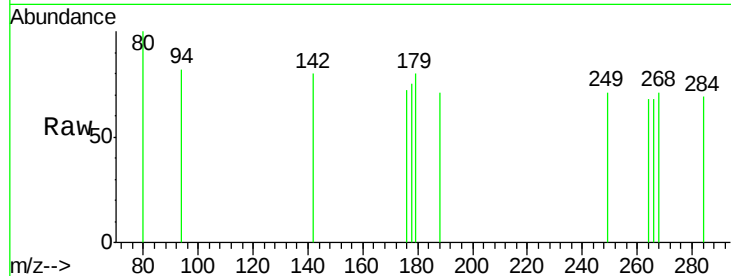




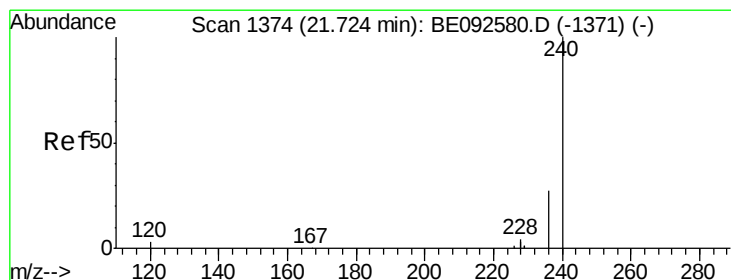
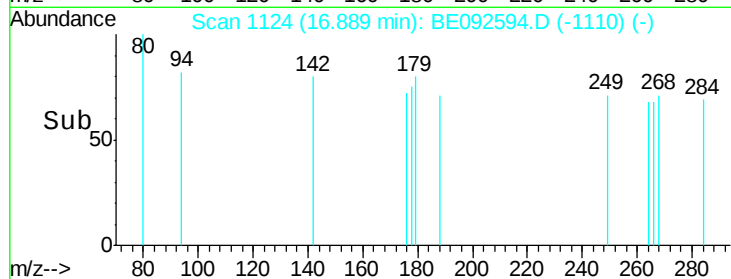
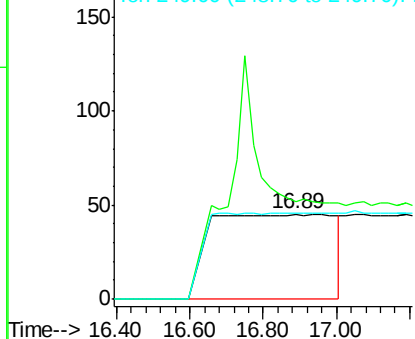
#19
Hexachlorobenzene
Concen: 0.49 ng
RT: 16.89 min Scan# 1124
Delta R.T. 0.02 min
Lab File: BE092594.D
Acq: 9 Dec 2016 15:27

Instrument :
BNA_E
ClientSampleId :
MW-1

Tgt Ion:284 Resp: 1079
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 0.0 27.9 41.9#

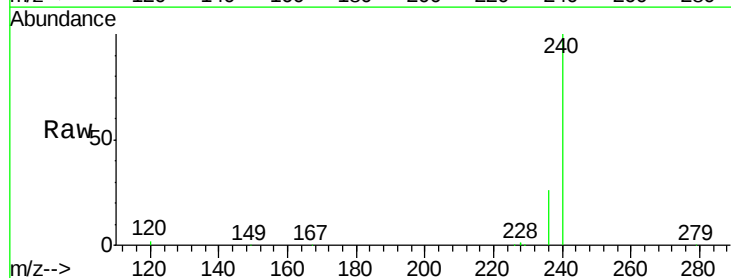


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

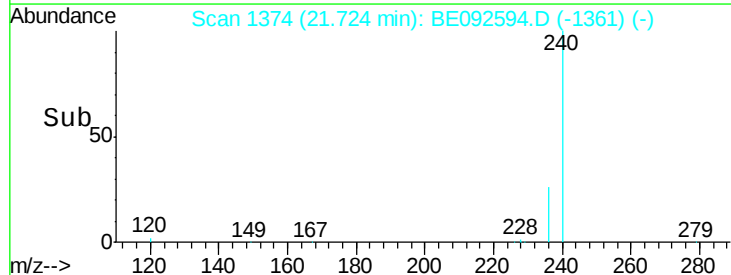
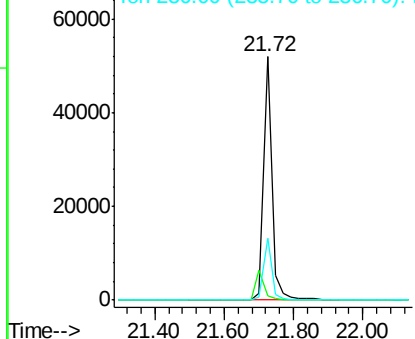


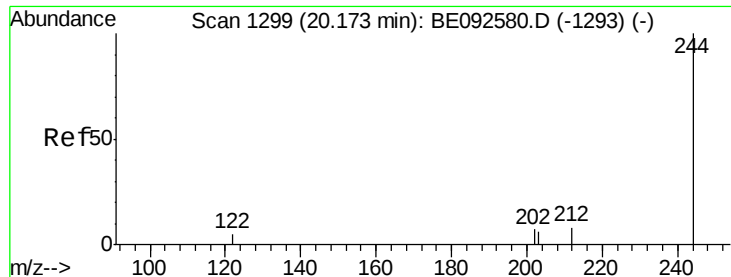
#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092594.D
Acq: 9 Dec 2016 15:27

Tgt Ion:240 Resp: 83747
Ion Ratio Lower Upper
240 100
120 2.0 2.6 4.0#
236 25.6 24.6 37.0



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





#26

Terphenyl-d14

Concen: 5.49 ng

RT: 20.16 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BE092594.D

Acq: 9 Dec 2016 15:27

Instrument :

BNA_E

ClientSampleId :

MW-1

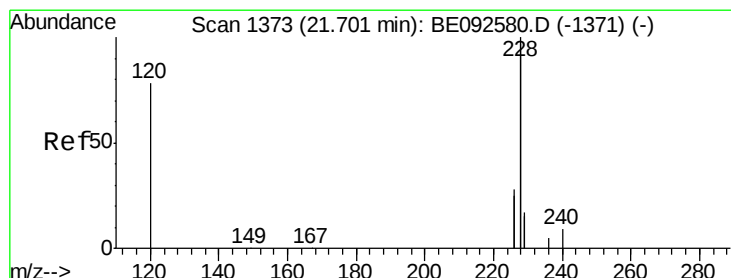
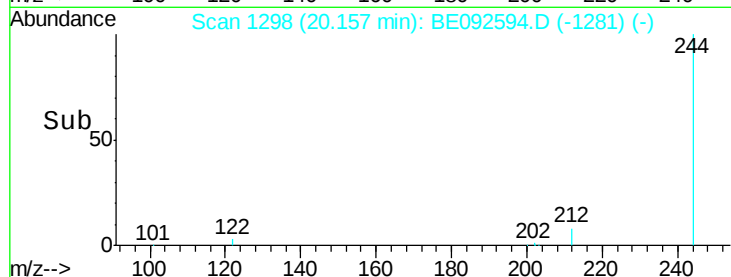
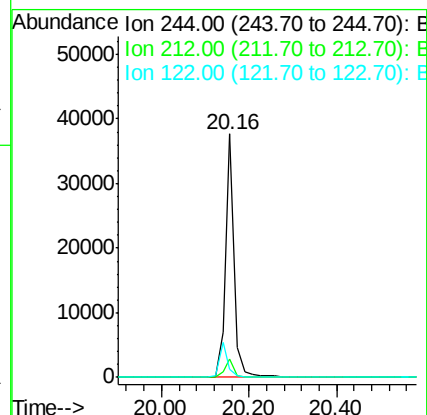
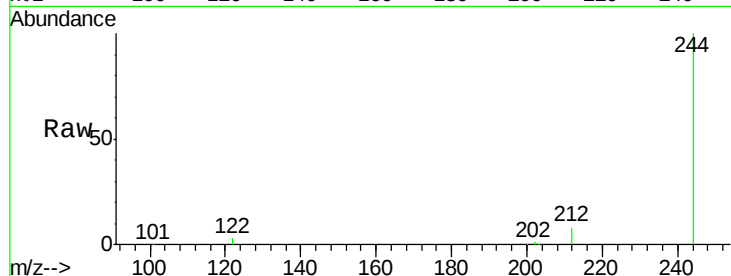
Tgt Ion:244 Resp: 52613

Ion Ratio Lower Upper

244 100

212 7.7 6.7 10.1

122 3.3 3.6 5.4#



#27

Benzo(a)anthracene

Concen: 0.11 ng

RT: 21.72 min Scan# 1374

Delta R.T. 0.02 min

Lab File: BE092594.D

Acq: 9 Dec 2016 15:27

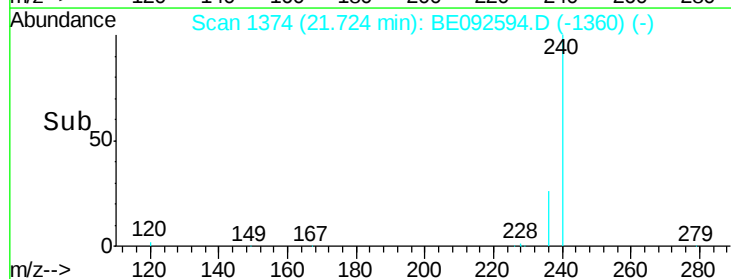
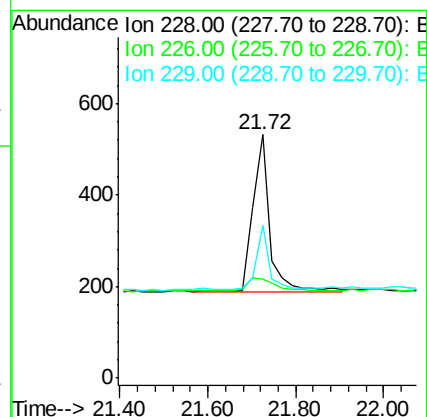
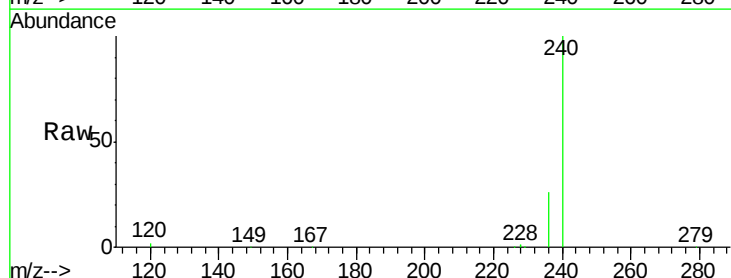
Tgt Ion:228 Resp: 943

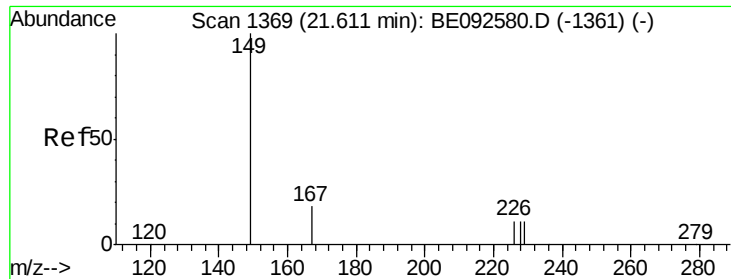
Ion Ratio Lower Upper

228 100

226 40.6 23.6 35.4#

229 62.8 13.3 19.9#





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.22 ng

RT: 21.61 min Scan# 1369

Delta R.T. -0.02 min

Lab File: BE092594.D

Acq: 9 Dec 2016 15:27

Instrument :

BNA_E

ClientSampleId :

MW-1

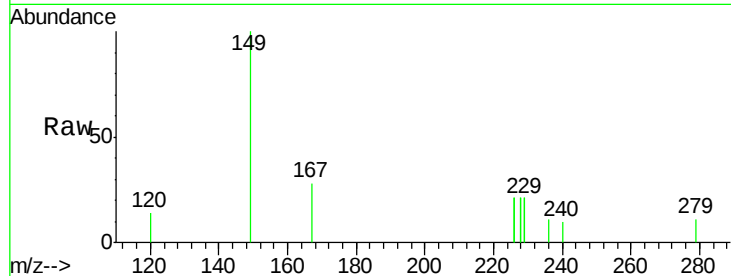
Tgt Ion:149 Resp: 557

Ion Ratio Lower Upper

149 100

167 22.3 16.0 24.0

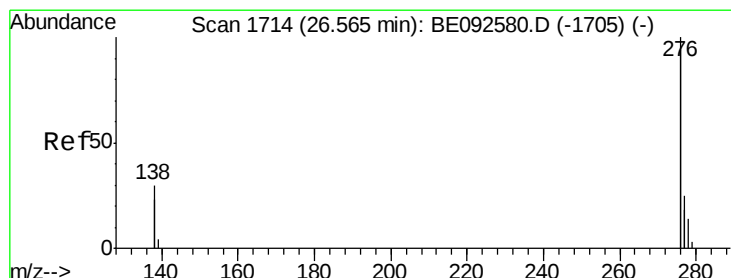
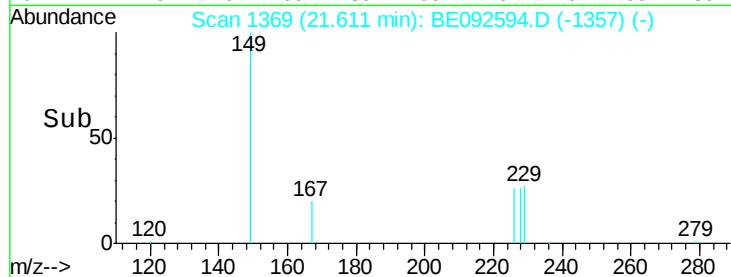
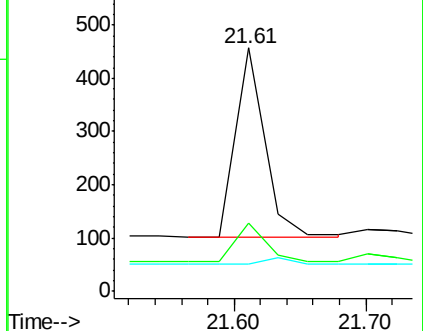
279 0.0 16.0 24.0#



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



#30

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng

RT: 26.62 min Scan# 1717

Delta R.T. 0.05 min

Lab File: BE092594.D

Acq: 9 Dec 2016 15:27

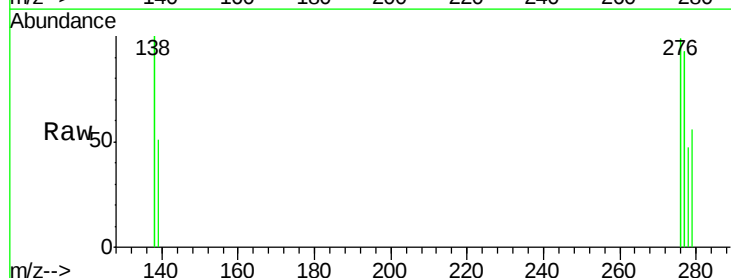
Tgt Ion:276 Resp: 147

Ion Ratio Lower Upper

276 100

138 37.4 20.3 30.5#

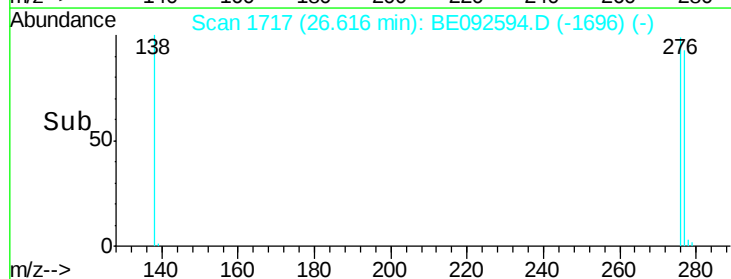
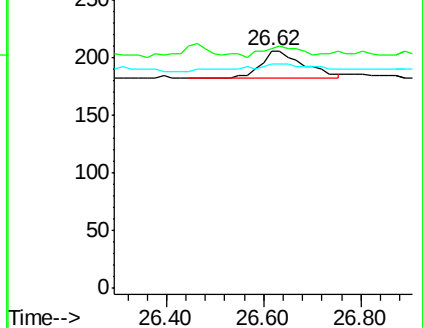
277 22.4 19.7 29.5

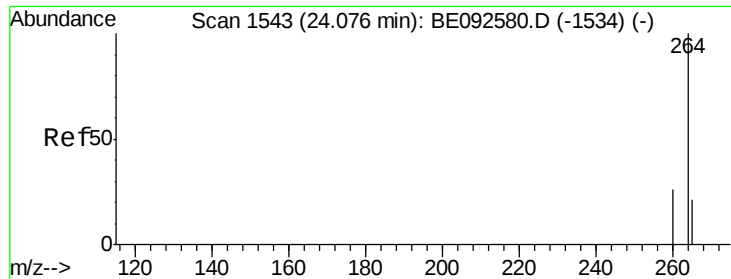


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#31

Perylene-d12

Concen: 5.00 ng

RT: 24.08 min Scan# 1543

Delta R.T. -0.01 min

Lab File: BE092594.D

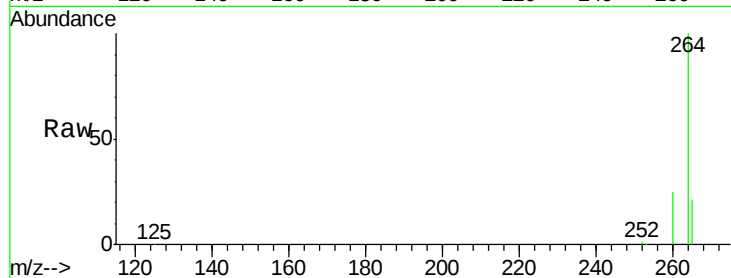
Acq: 9 Dec 2016 15:27

Instrument :

BNA_E

ClientSampleId :

MW-1



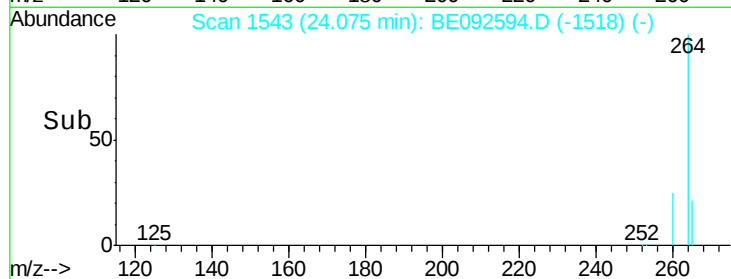
Tgt Ion: 264 Resp: 76639

Ion Ratio Lower Upper

264 100

260 25.1 20.1 30.1

265 21.5 17.9 26.9



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

