

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111616\
 Data File : BE092553.D
 Acq On : 17 Nov 2016 3:09
 Operator : UM/SJ
 Sample : H5643-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-2-111016

Quant Time: Nov 17 04:54:57 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

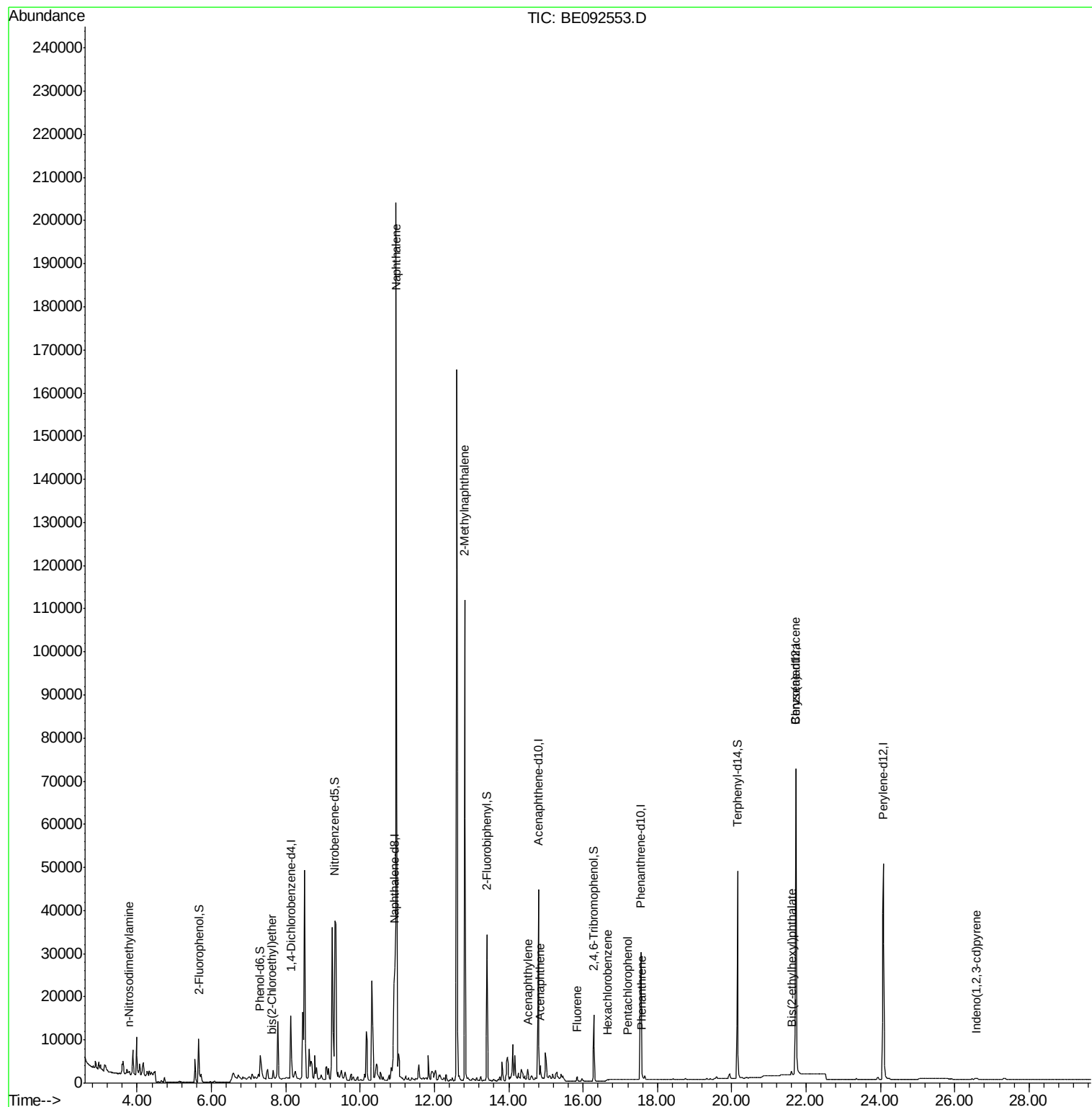
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	8351	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	40443	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	27206	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	53634	5.00	ng	0.00
24) Chrysene-d12	21.72	240	83690	5.00	ng	0.00
31) Perylene-d12	24.08	264	73721	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.65	112	9028	6.40	ng	-0.02
5) Phenol-d6	7.31	99	7733	3.35	ng	-0.04
8) Nitrobenzene-d5	9.32	82	15440	5.87	ng	-0.04
13) 2,4,6-Tribromophenol	16.28	330	9668	15.84	ng	-0.02
14) 2-Fluorobiphenyl	13.41	172	36037	5.43	ng	-0.02
26) Terphenyl-d14	20.16	244	55755	5.83	ng	-0.02
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.79	42	788	0.72	ng	# 3
6) bis(2-Chloroethyl)ether	7.61	93	72	0.07	ng	# 1
9) Naphthalene	10.97	128	298327	35.75	ng	96
11) 2-Methylnaphthalene	12.82	142	77339	14.53	ng	98
15) Acenaphthylene	14.51	152	1668	0.04	ng	# 1
16) Acenaphthene	14.85	154	825	0.13	ng	# 87
17) Fluorene	15.84	166	900	0.12	ng	# 91
19) Hexachlorobenzene	16.66	284	112	0.05	ng	# 1
20) Pentachlorophenol	17.21	266	21	0.08	ng	# 72
21) Phenanthrene	17.58	178	843	0.07	ng	# 84
27) Benzo(a)anthracene	21.72	228	1372	0.12	ng	# 14
29) Bis(2-ethylhexyl)phthalate	21.61	149	1051	0.31	ng	# 72
30) Indeno(1,2,3-cd)pyrene	26.56	276	495	0.05	ng	95

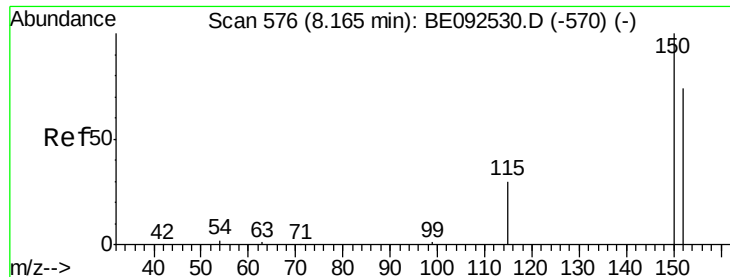
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092553.D

Acq: 17 Nov 2016 3:09

Instrument :

BNA_E

ClientSampleId :

MW-2-111016

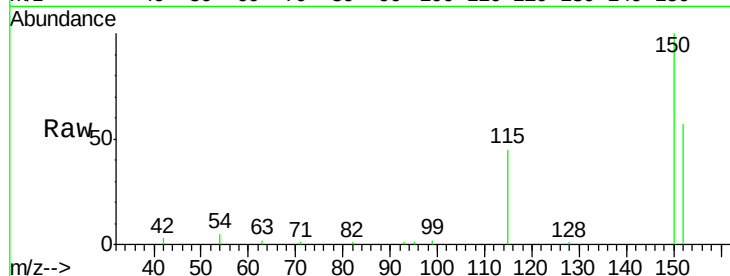
Tgt Ion:152 Resp: 8351

Ion Ratio Lower Upper

152 100

150 174.4 106.0 159.0#

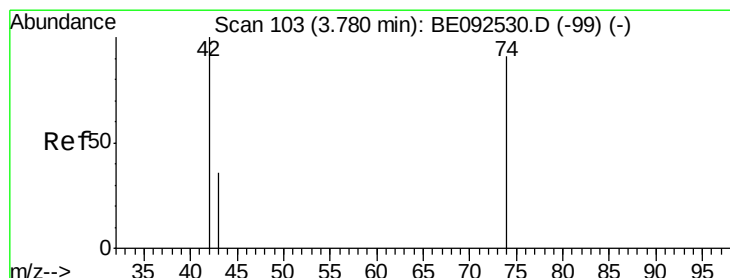
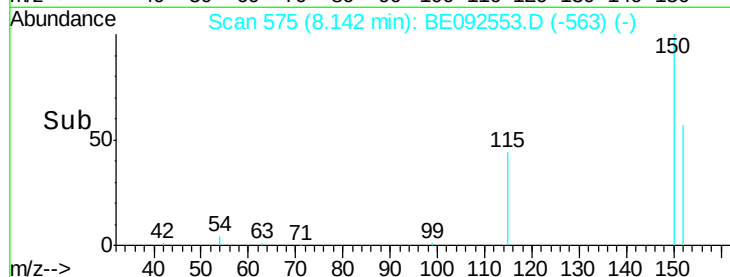
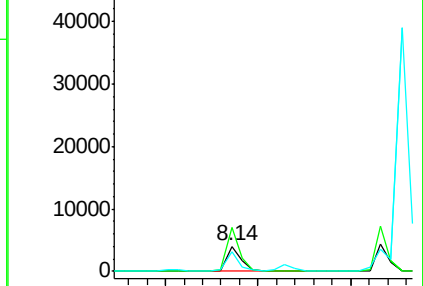
115 78.3 31.2 46.8#



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: 0.72 ng

RT: 3.79 min Scan# 104

Delta R.T. 0.01 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

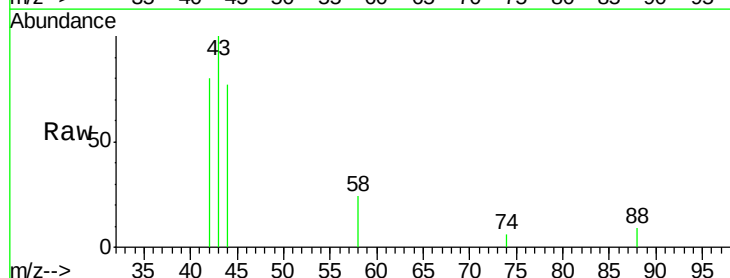
Tgt Ion: 42 Resp: 788

Ion Ratio Lower Upper

42 100

74 1.0 86.0 129.0#

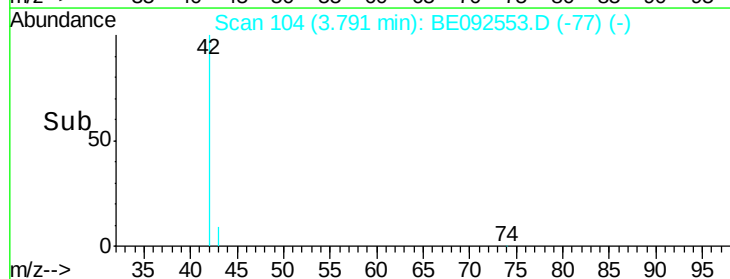
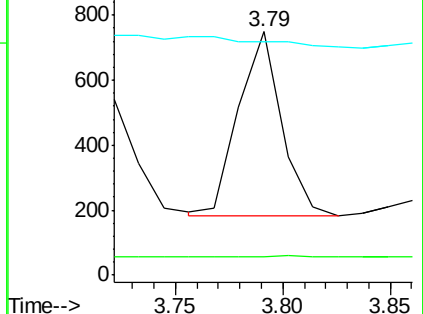
44 0.0 5.1 7.7#

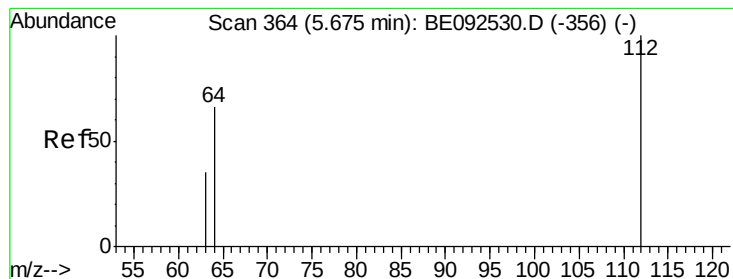


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 6.40 ng

RT: 5.65 min Scan# 360

Delta R.T. -0.02 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

Instrument :

BNA_E

ClientSampleId :

MW-2-111016

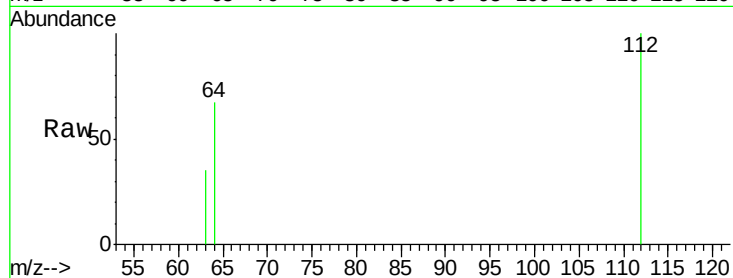
Tgt Ion: 112 Resp: 9028

Ion Ratio Lower Upper

112 100

64 65.5 53.5 80.3

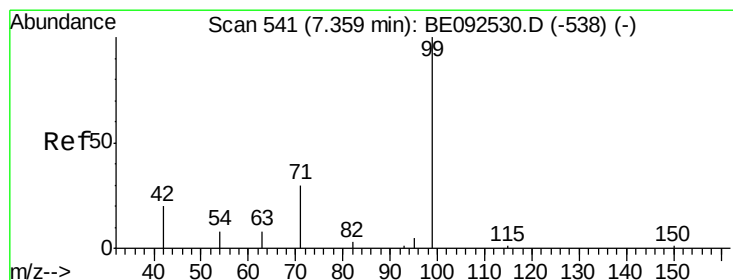
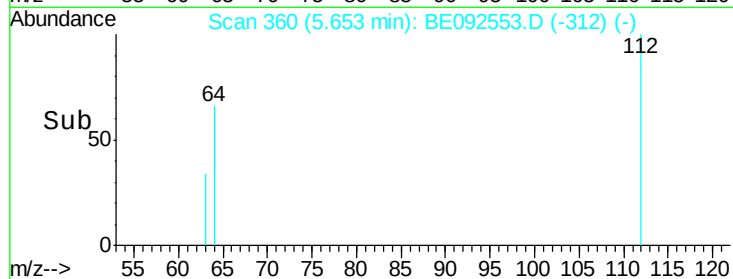
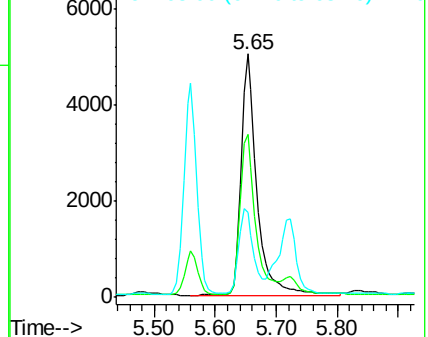
63 32.4 27.9 41.9



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: 3.35 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.04 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

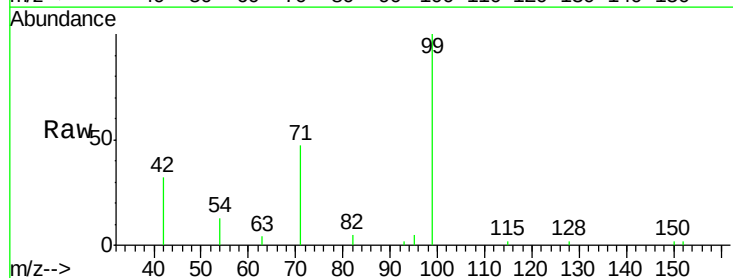
Tgt Ion: 99 Resp: 7733

Ion Ratio Lower Upper

99 100

42 24.0 16.0 24.0#

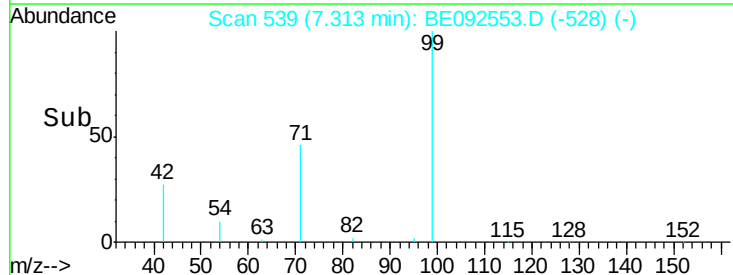
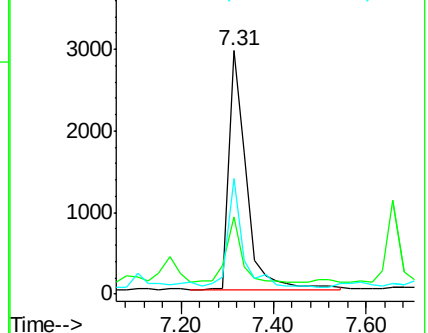
71 38.4 30.6 45.8

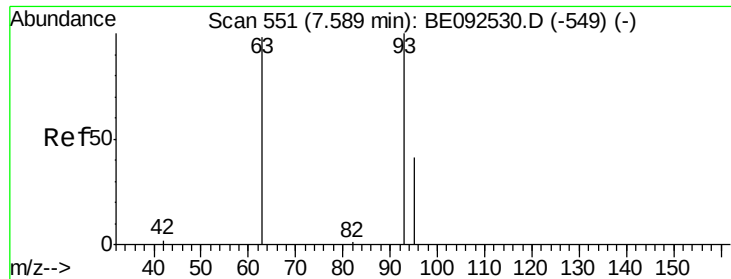


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.07 ng

RT: 7.61 min Scan# 552

Delta R.T. 0.02 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

Instrument :

BNA_E

ClientSampleId :

MW-2-111016

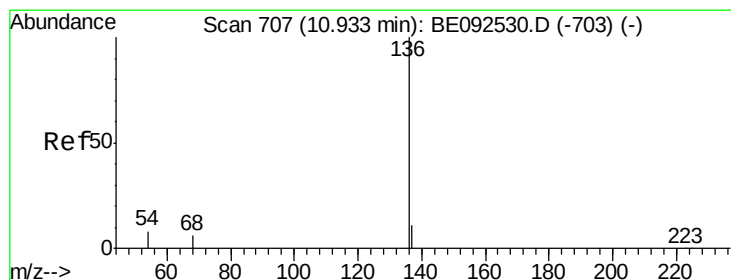
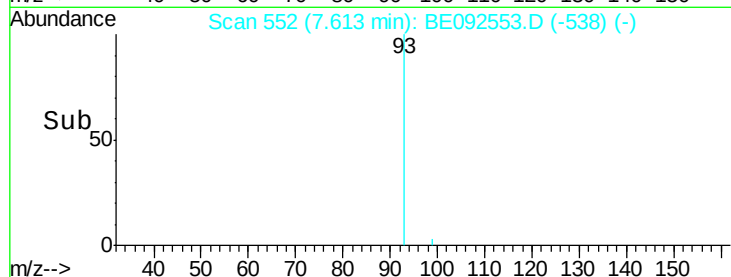
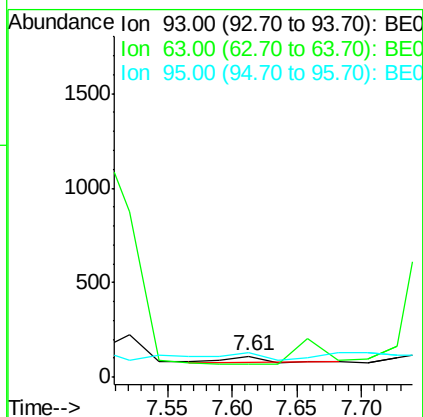
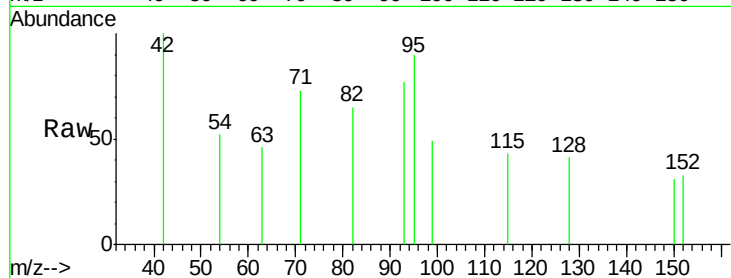
Tgt Ion: 93 Resp: 72

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

95 101.4 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: BE092553.D

Acq: 17 Nov 2016 3:09

Tgt Ion: 136 Resp: 40443

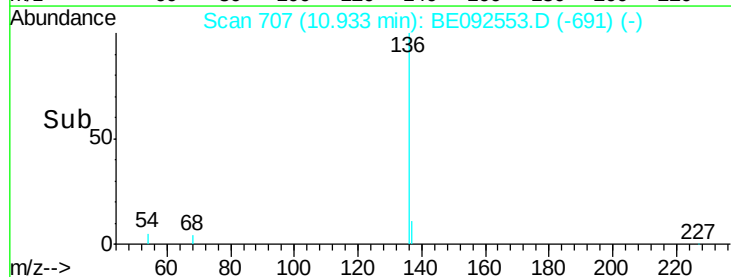
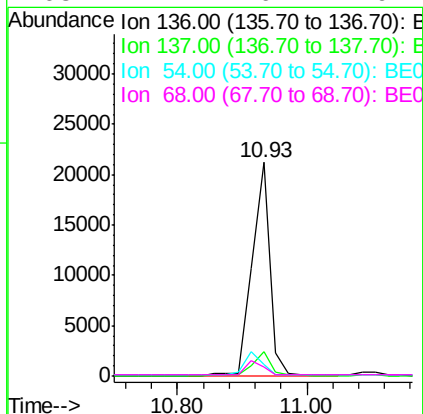
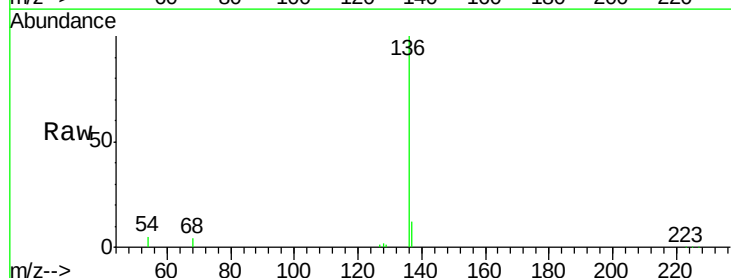
Ion Ratio Lower Upper

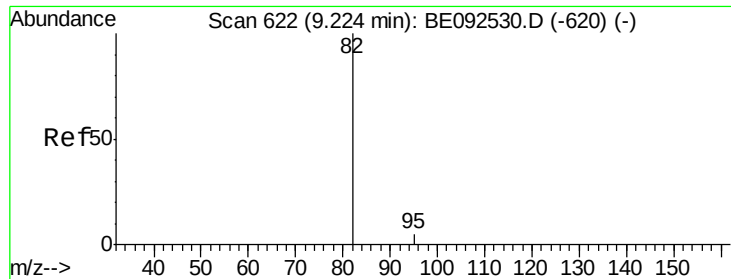
136 100

137 11.7 8.2 12.4

54 5.4 9.6 14.4#

68 4.4 6.7 10.1#





#8

Nitrobenzene-d5

Concen: 5.87 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.04 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

Instrument :

BNA_E

ClientSampleId :

MW-2-111016

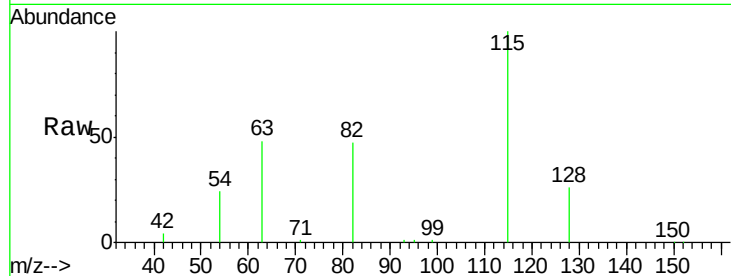
Tgt Ion: 82 Resp: 15440

Ion Ratio Lower Upper

82 100

128 55.4 39.0 58.4

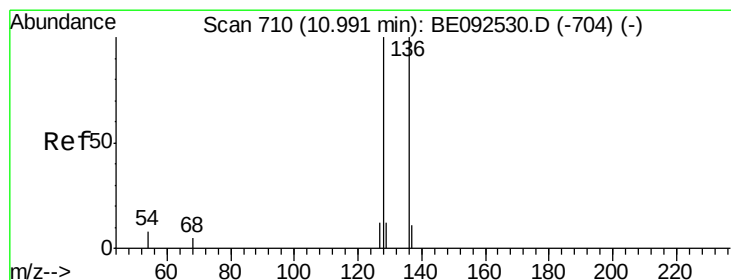
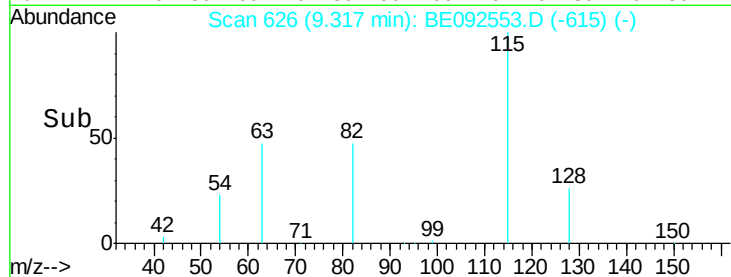
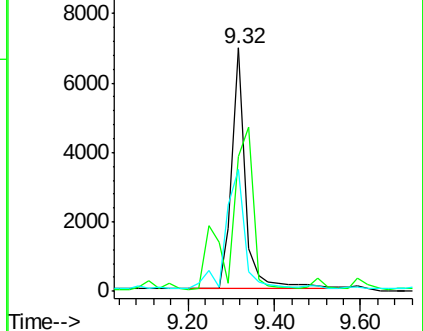
54 50.2 44.8 67.2



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 35.75 ng

RT: 10.97 min Scan# 709

Delta R.T. -0.02 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

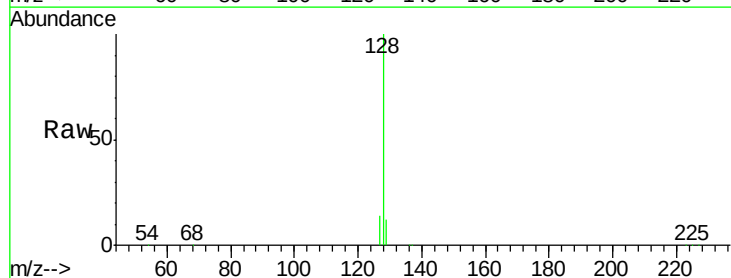
Tgt Ion: 128 Resp: 298327

Ion Ratio Lower Upper

128 100

129 11.7 11.2 16.8

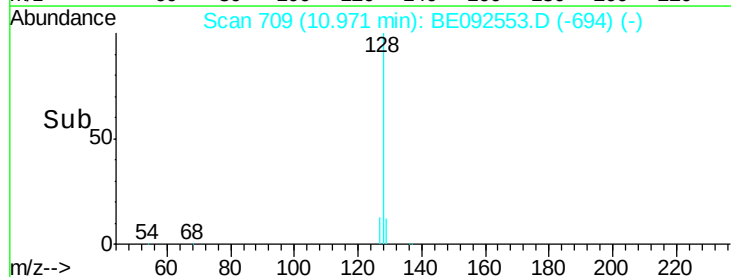
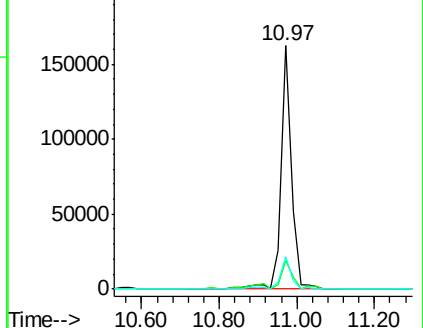
127 13.5 11.6 17.4

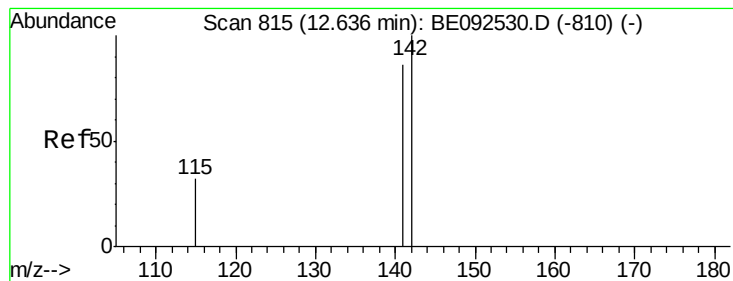


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene

Concen: 14.53 ng

RT: 12.82 min Scan# 831

Delta R.T. 0.18 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

Instrument :

BNA_E

ClientSampleId :

MW-2-111016

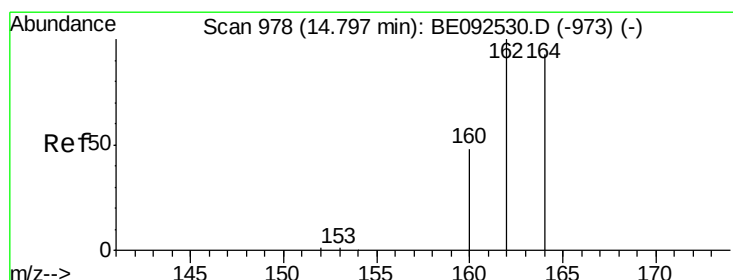
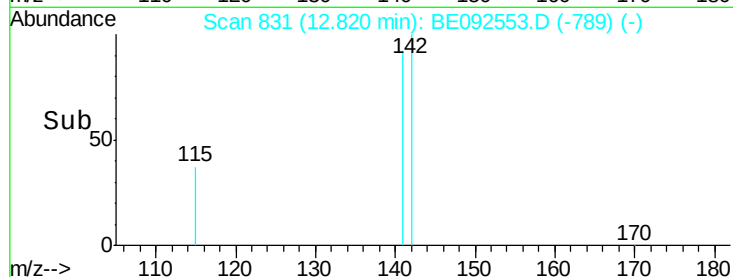
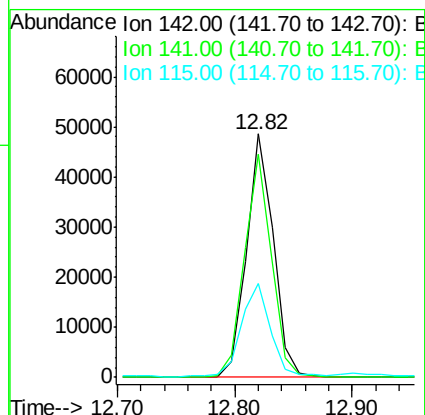
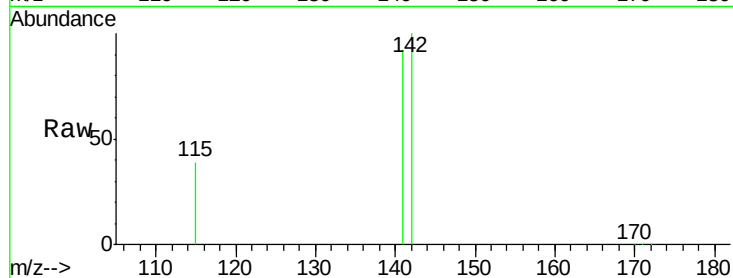
Tgt Ion:142 Resp: 77339

Ion Ratio Lower Upper

142 100

141 91.6 73.7 110.5

115 38.5 34.0 51.0



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.80 min Scan# 979

Delta R.T. 0.00 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

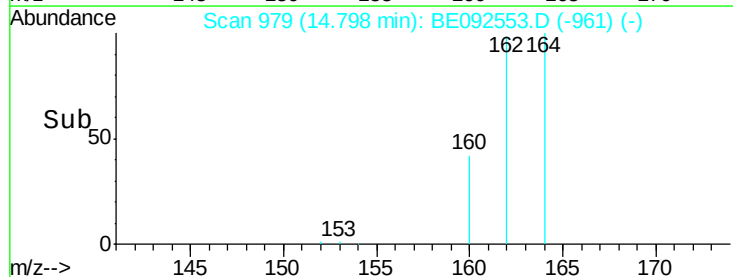
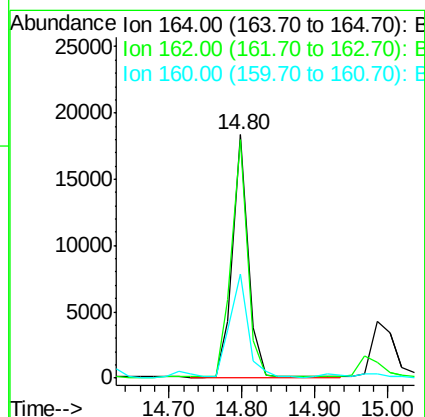
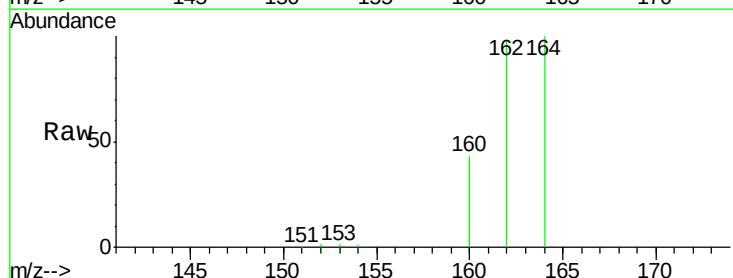
Tgt Ion:164 Resp: 27206

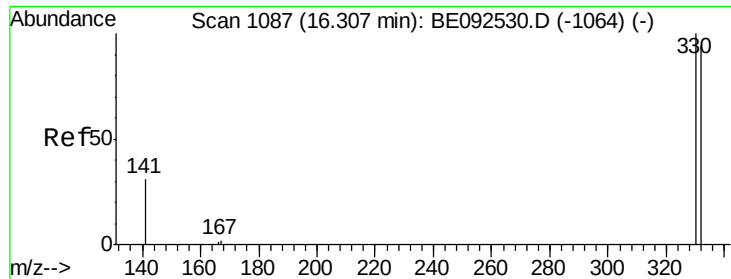
Ion Ratio Lower Upper

164 100

162 97.9 71.4 107.0

160 42.9 27.4 41.2#

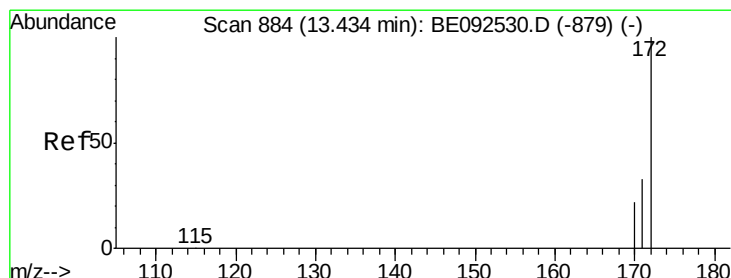
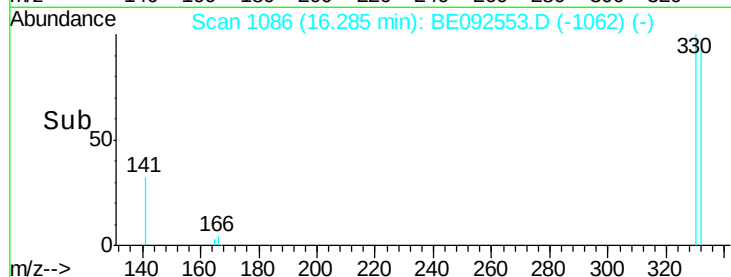
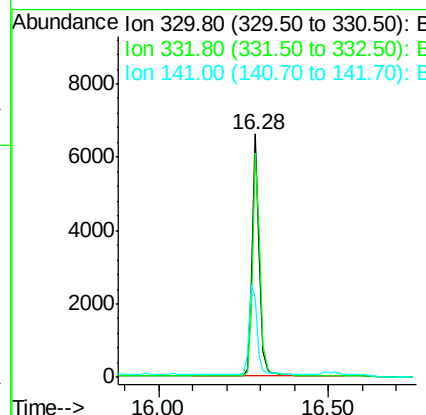
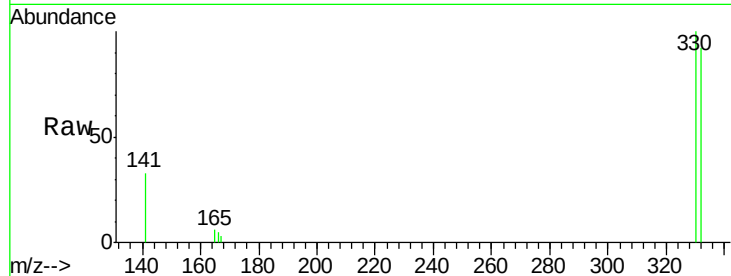




#13
 2,4,6-Tribromophenol
 Concen: 15.84 ng
 RT: 16.28 min Scan# 1086
 Delta R.T. -0.02 min
 Lab File: BE092553.D
 Acq: 17 Nov 2016 3:09

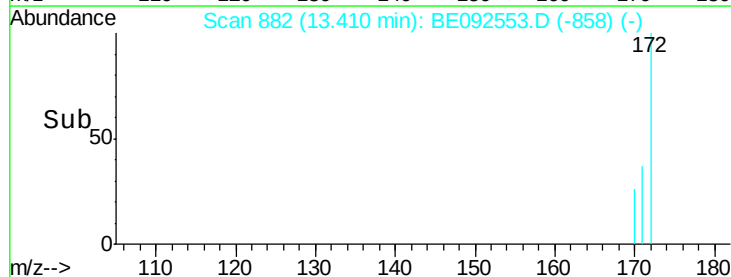
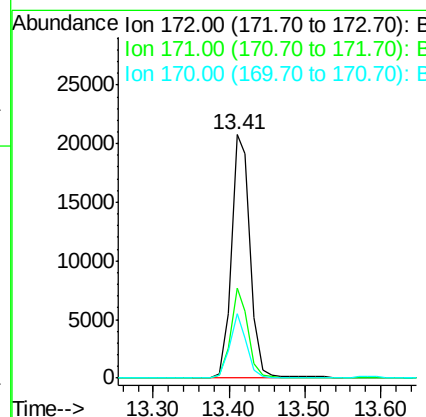
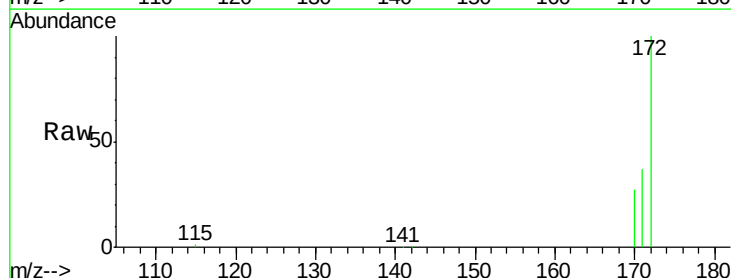
Instrument :
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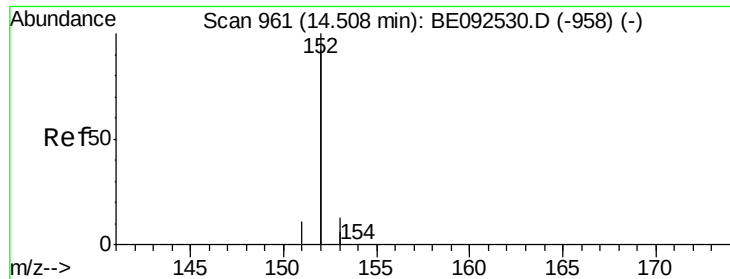
Tgt Ion: 330 Resp: 9668
 Ion Ratio Lower Upper
 330 100
 332 95.9 75.4 113.0
 141 42.1 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 5.43 ng
 RT: 13.41 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: BE092553.D
 Acq: 17 Nov 2016 3:09

Tgt Ion: 172 Resp: 36037
 Ion Ratio Lower Upper
 172 100
 171 36.8 30.1 45.1
 170 26.5 21.8 32.6





#15

Acenaphthylene

Concen: 0.04 ng

RT: 14.51 min Scan# 962

Delta R.T. 0.00 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

Instrument :

BNA_E

ClientSampleId :

MW-2-111016

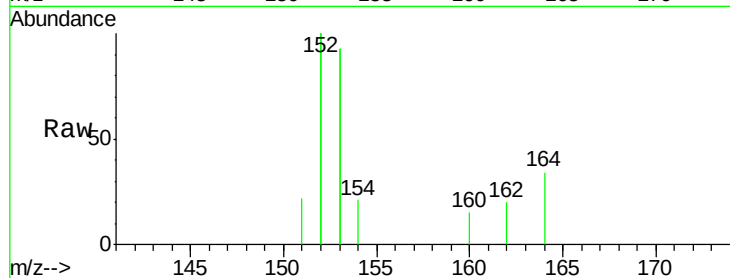
Tgt Ion:152 Resp: 1668

Ion Ratio Lower Upper

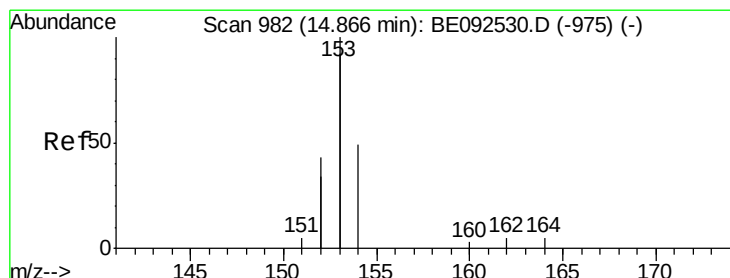
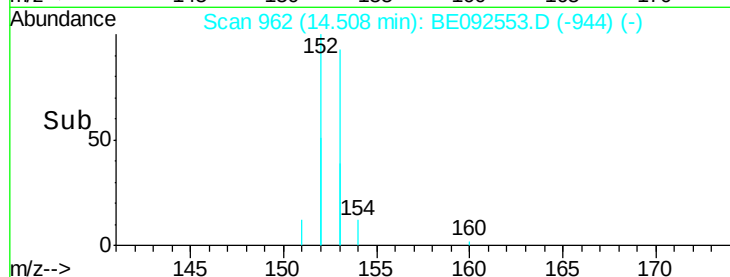
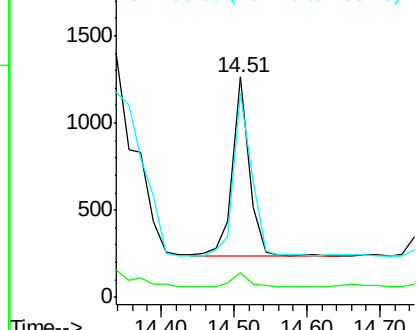
152 100

151 8.6 3.9 5.9#

153 97.2 10.4 15.6#



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



#16

Acenaphthene

Concen: 0.13 ng

RT: 14.85 min Scan# 982

Delta R.T. -0.02 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

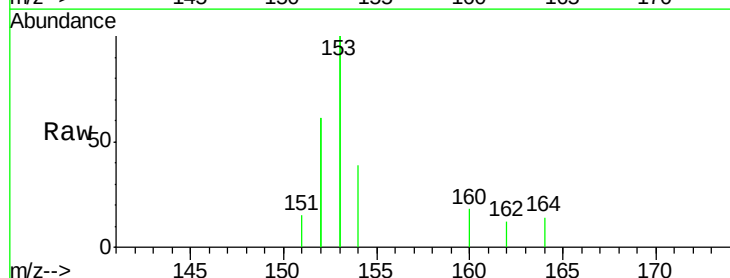
Tgt Ion:154 Resp: 825

Ion Ratio Lower Upper

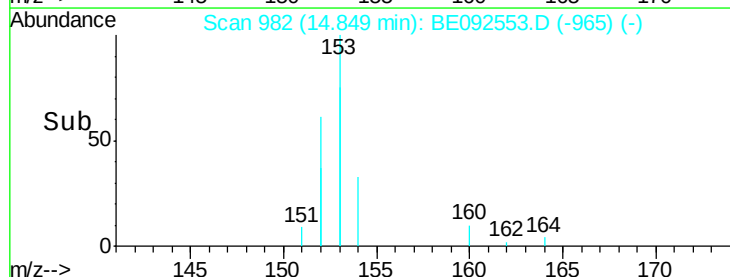
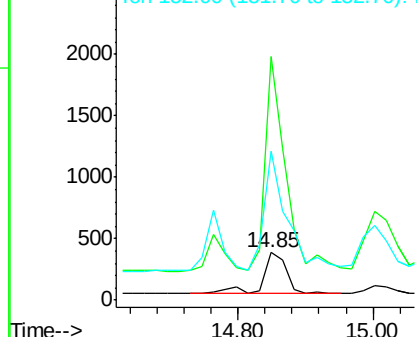
154 100

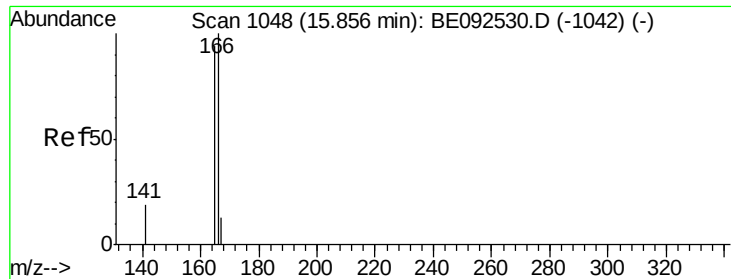
153 433.8 350.8 526.2

152 269.8 171.1 256.7#



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

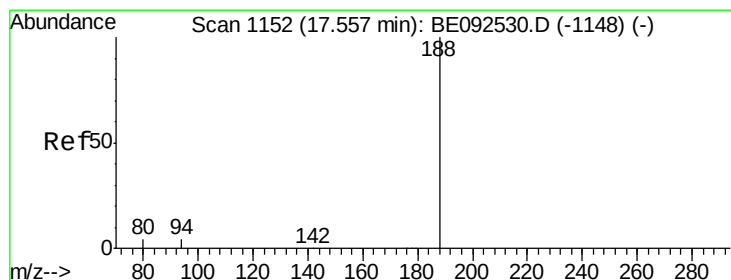
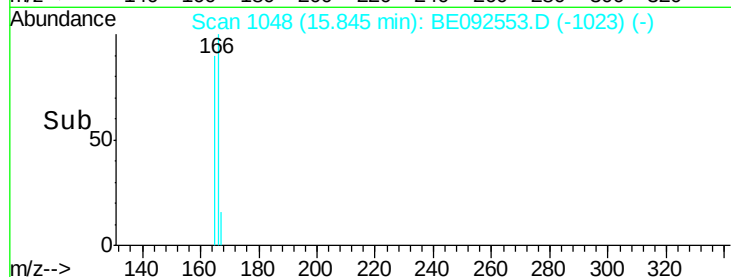
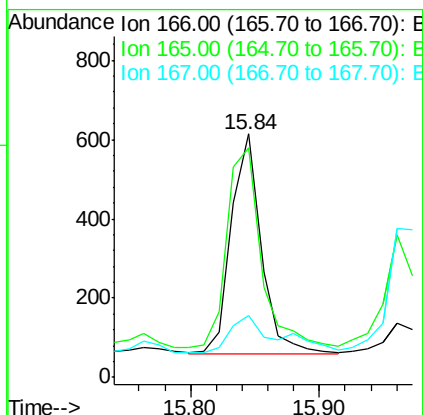
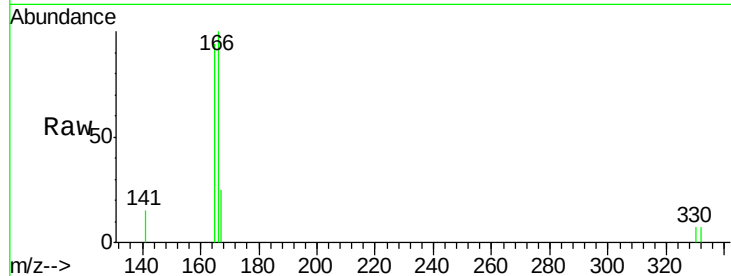




#17
Fluorene
 Concen: 0.12 ng
 RT: 15.84 min Scan# 1048
 Delta R.T. -0.01 min
 Lab File: BE092553.D
 Acq: 17 Nov 2016 3:09

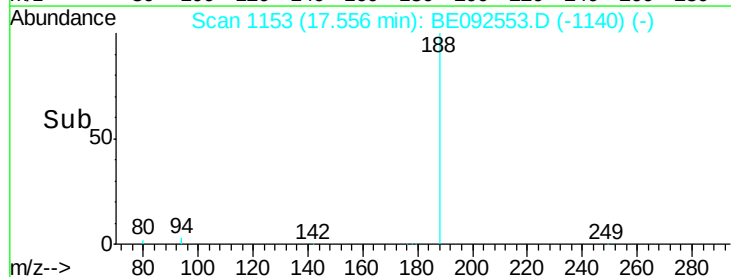
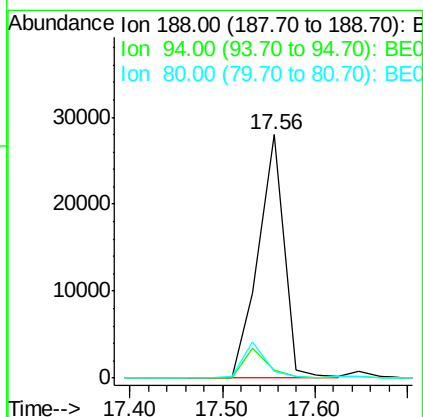
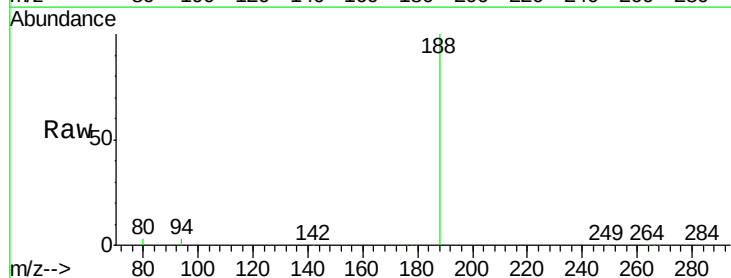
Instrument :
 BNA_E
 ClientSampleId :
 MW-2-111016

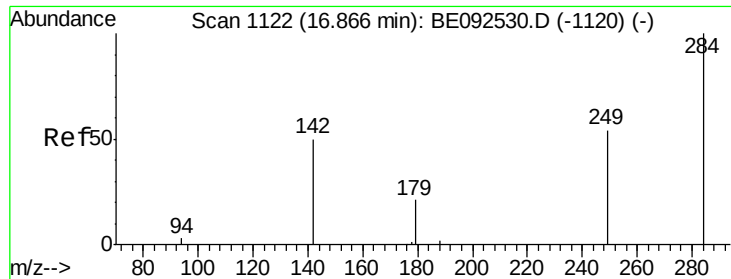
Tgt Ion:166 Resp: 900
 Ion Ratio Lower Upper
 166 100
 165 103.1 78.2 117.4
 167 27.7 11.0 16.4#



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.56 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: BE092553.D
 Acq: 17 Nov 2016 3:09

Tgt Ion:188 Resp: 53634
 Ion Ratio Lower Upper
 188 100
 94 3.2 3.2 4.8
 80 2.6 2.6 3.8





#19

Hexachlorobenzene

Concen: 0.05 ng

RT: 16.66 min Scan# 1114

Delta R.T. -0.21 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

Instrument :

BNA_E

ClientSampleId :

MW-2-111016

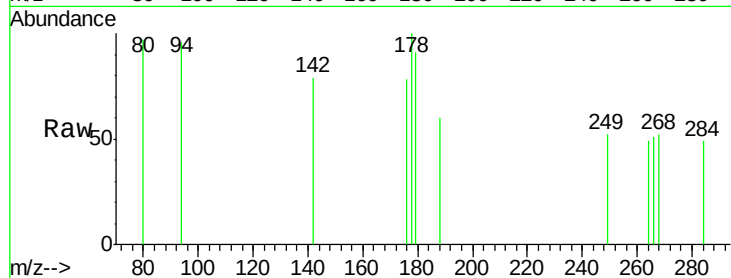
Tgt Ion: 284 Resp: 112

Ion Ratio Lower Upper

284 100

142 571.4 29.1 43.7#

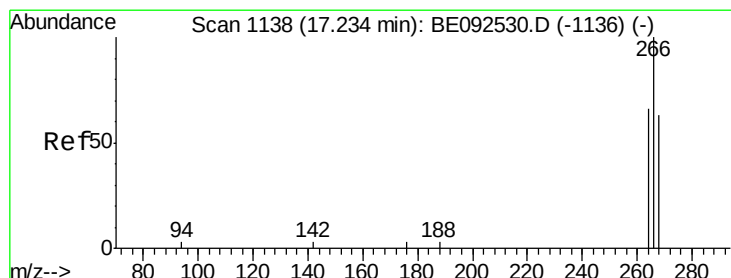
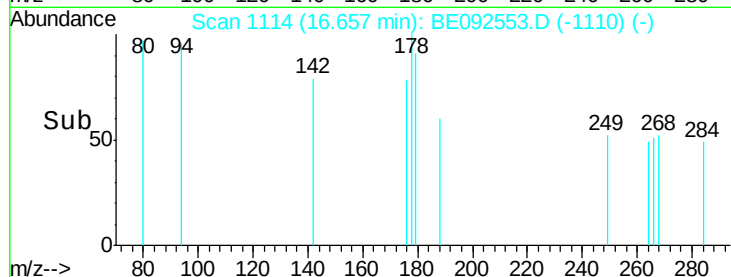
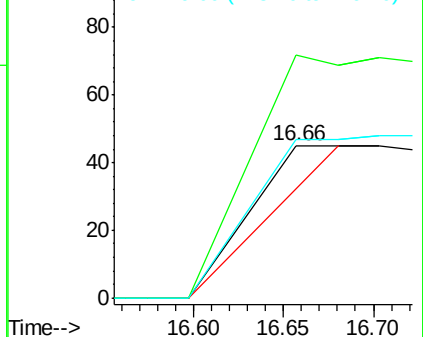
249 0.0 27.9 41.9#



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



#20

Pentachlorophenol

Concen: 0.08 ng

RT: 17.21 min Scan# 1138

Delta R.T. -0.02 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

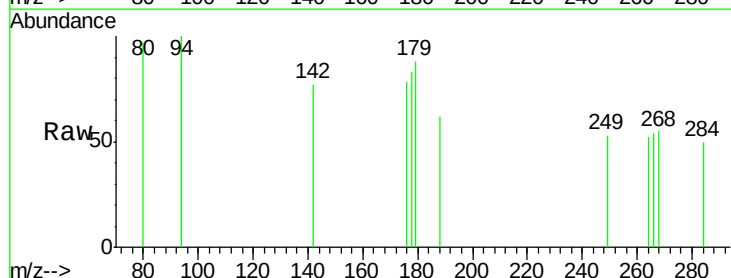
Tgt Ion: 266 Resp: 21

Ion Ratio Lower Upper

266 100

268 102.0 62.5 93.7#

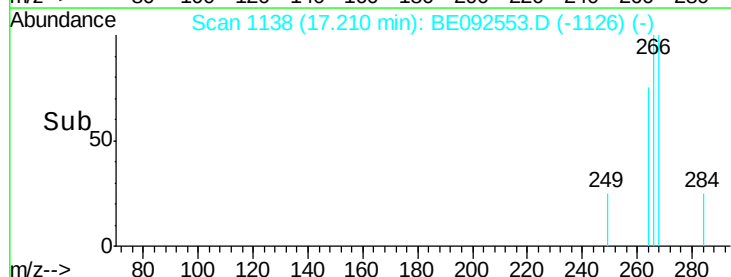
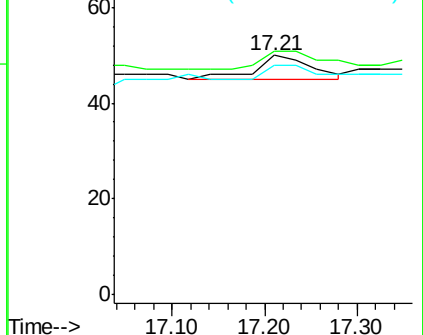
264 96.0 57.2 85.8#

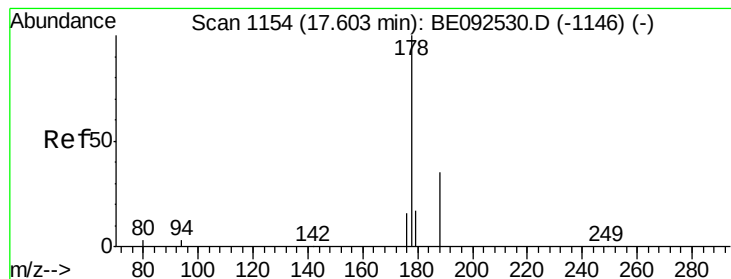


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#21

Phenanthrene

Concen: 0.07 ng

RT: 17.58 min Scan# 1154

Delta R.T. -0.02 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

Instrument :

BNA_E

ClientSampleId :

MW-2-111016

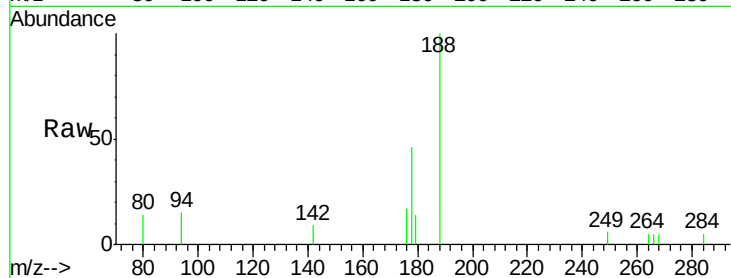
Tgt Ion:178 Resp: 843

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

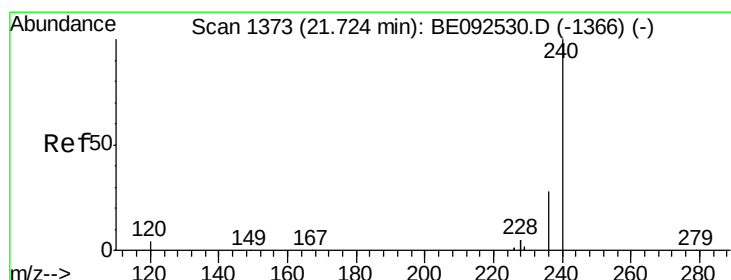
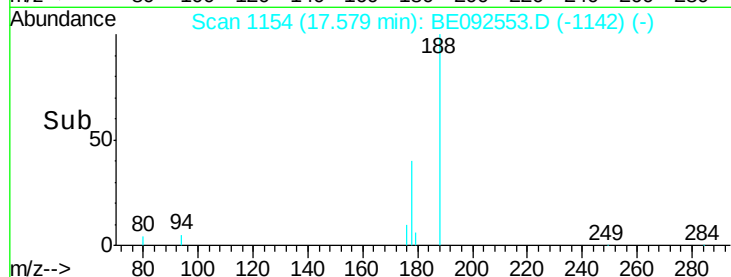
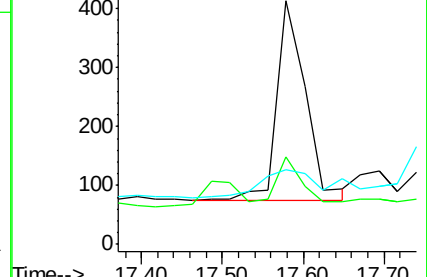
179 33.9 16.0 24.0#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.72 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

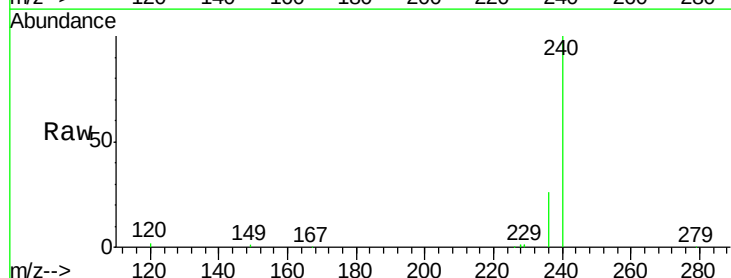
Tgt Ion:240 Resp: 83690

Ion Ratio Lower Upper

240 100

120 1.5 2.6 4.0#

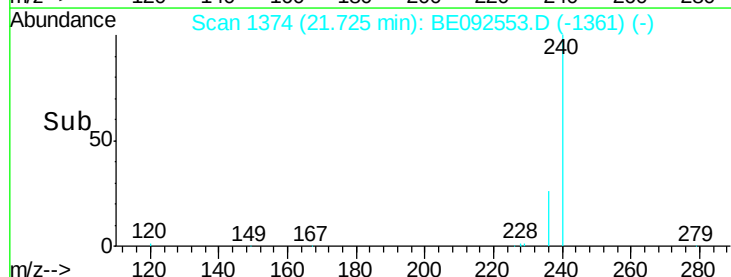
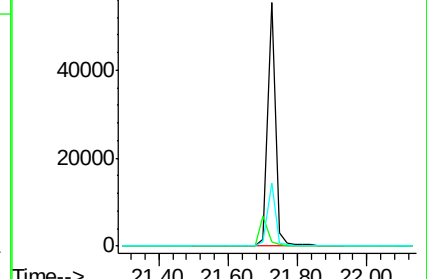
236 26.0 24.6 37.0

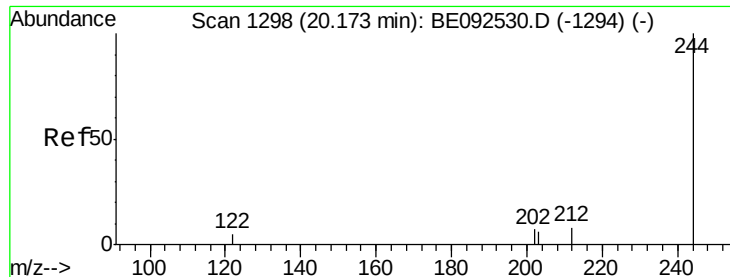


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

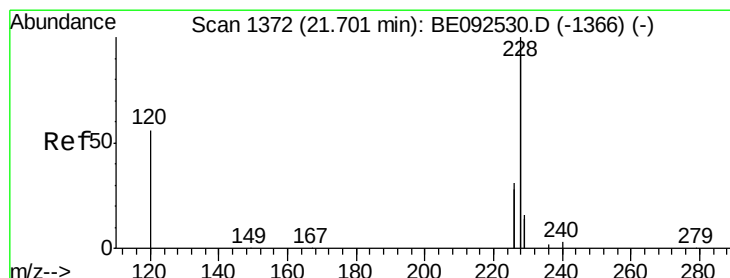
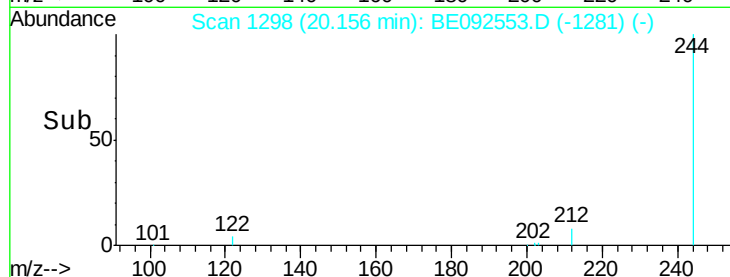
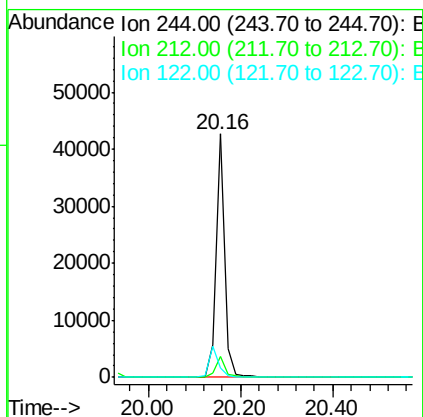
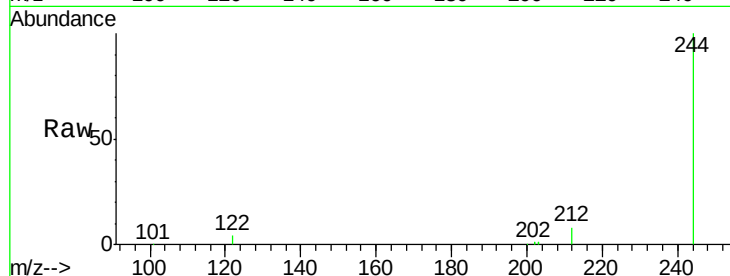




#26
 Terphenyl-d14
 Concen: 5.83 ng
 RT: 20.16 min Scan# 1298
 Delta R.T. -0.02 min
 Lab File: BE092553.D
 Acq: 17 Nov 2016 3:09

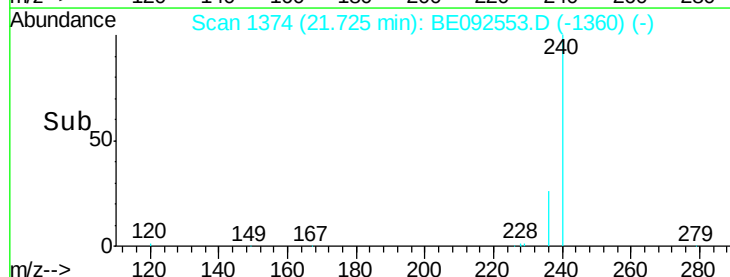
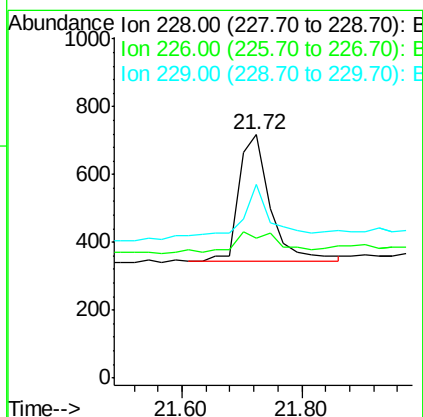
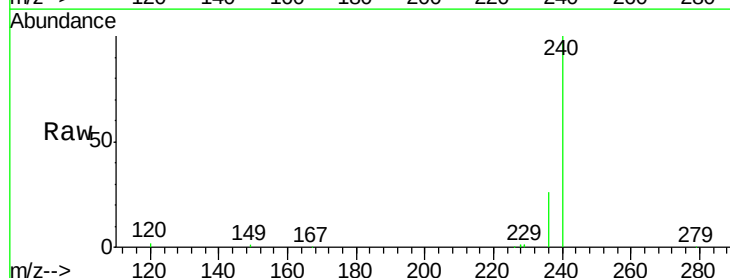
Instrument :
 BNA_E
 ClientSampleId :
 MW-2-111016

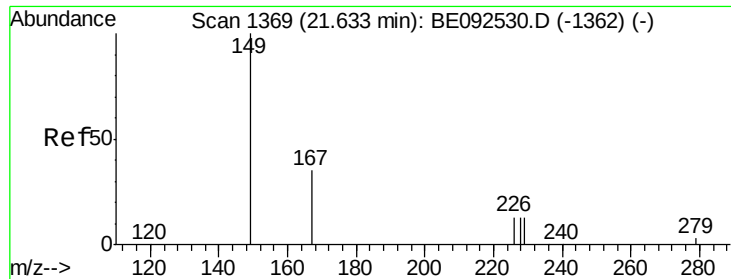
Tgt Ion: 244 Resp: 55755
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.7 10.1
 122 3.8 3.6 5.4



#27
 Benzo(a)anthracene
 Concen: 0.12 ng
 RT: 21.72 min Scan# 1374
 Delta R.T. 0.02 min
 Lab File: BE092553.D
 Acq: 17 Nov 2016 3:09

Tgt Ion: 228 Resp: 1372
 Ion Ratio Lower Upper
 228 100
 226 57.4 23.6 35.4#
 229 79.7 13.3 19.9#





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.31 ng

RT: 21.61 min Scan# 1369

Delta R.T. -0.02 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

Instrument :

BNA_E

ClientSampleId :

MW-2-111016

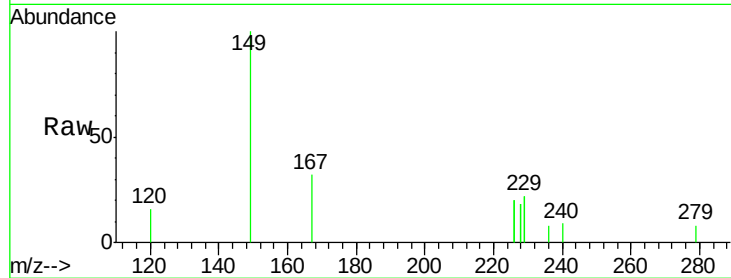
Tgt Ion:149 Resp: 1051

Ion Ratio Lower Upper

149 100

167 25.6 16.0 24.0#

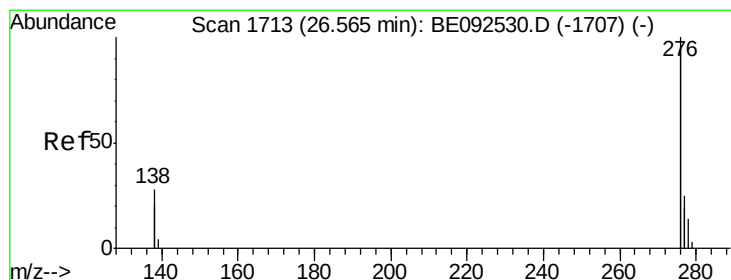
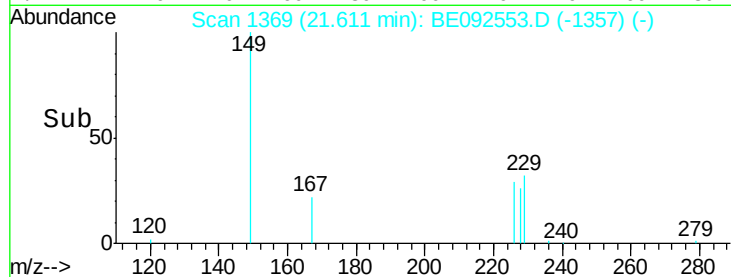
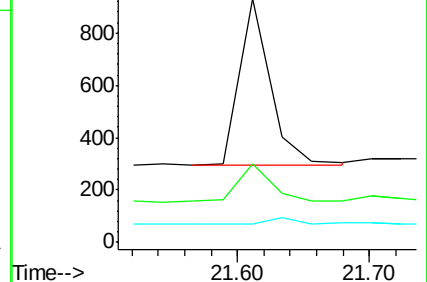
279 0.0 16.0 24.0#



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: 26.56 min Scan# 1714

Delta R.T. 0.00 min

Lab File: BE092553.D

Acq: 17 Nov 2016 3:09

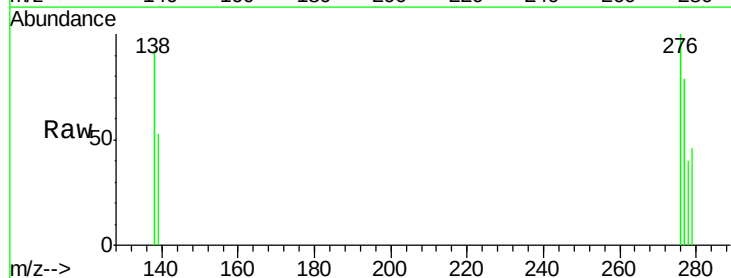
Tgt Ion:276 Resp: 495

Ion Ratio Lower Upper

276 100

138 30.1 20.3 30.5

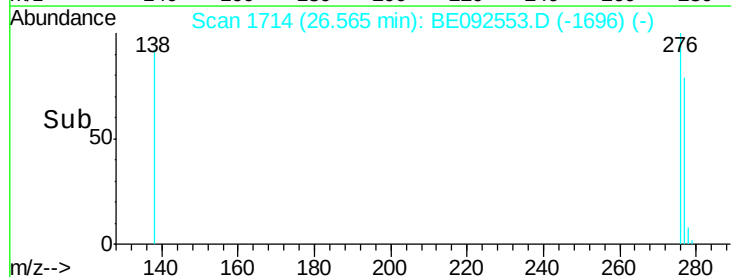
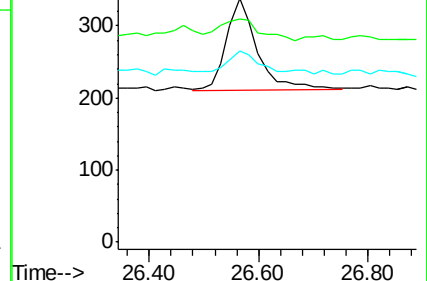
277 24.8 19.7 29.5

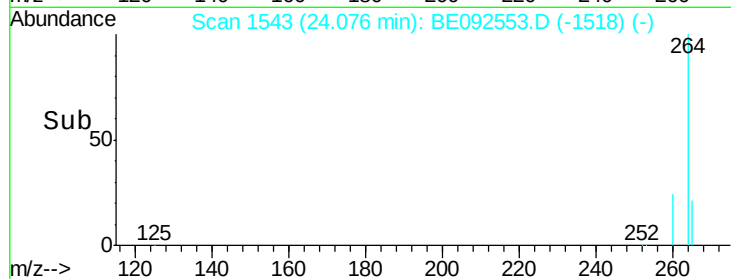
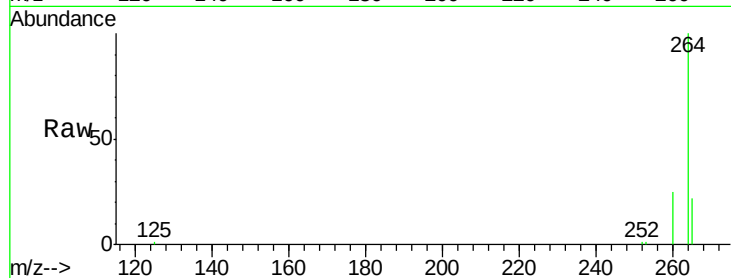
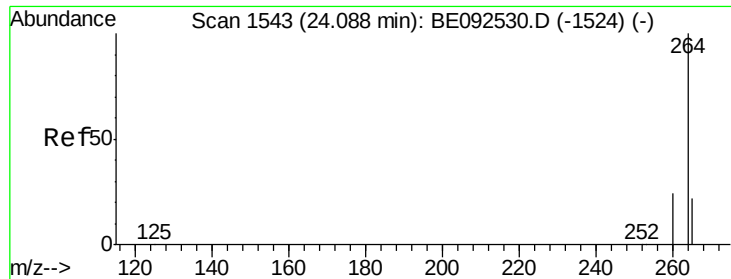


Abundance Ion 276.00 (275.70 to 276.70): E

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: BE092553.D

Acq: 17 Nov 2016 3:09

Instrument :

BNA_E

ClientSampleId :

MW-2-111016

Tgt Ion: 264 Resp: 73721

Ion Ratio Lower Upper

264 100

260 24.6 20.1 30.1

265 22.2 17.9 26.9

