

Data Path : Z:\HPCHEM1\BNA_E\Data\BE103116\
 Data File : BE092486.D
 Acq On : 31 Oct 2016 19:06
 Operator : UM/SJ
 Sample : H5475-01MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 WOOLSTON-TS-004MS

Quant Time: Nov 01 11:12:30 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE102516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 25 15:25:33 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	12242	5.00	ng	0.00
7) Naphthalene-d8	10.95	136	56613	5.00	ng	0.00
12) Acenaphthene-d10	14.81	164	36665	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	71079	5.00	ng	-0.02
24) Chrysene-d12	21.75	240	95916	5.00	ng	0.00
31) Perylene-d12	24.12	264	79776	5.00	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.67	112	23262	10.19	ng	-0.02
5) Phenol-d6	7.34	99	33264	9.69	ng	-0.02
8) Nitrobenzene-d5	9.32	82	15988	4.00	ng	-0.05
13) 2,4,6-Tribromophenol	16.31	330	9689	9.72	ng	-0.01
14) 2-Fluorobiphenyl	13.43	172	32789	3.67	ng	-0.01
26) Terphenyl-d14	20.17	244	43167	3.64	ng	-0.02

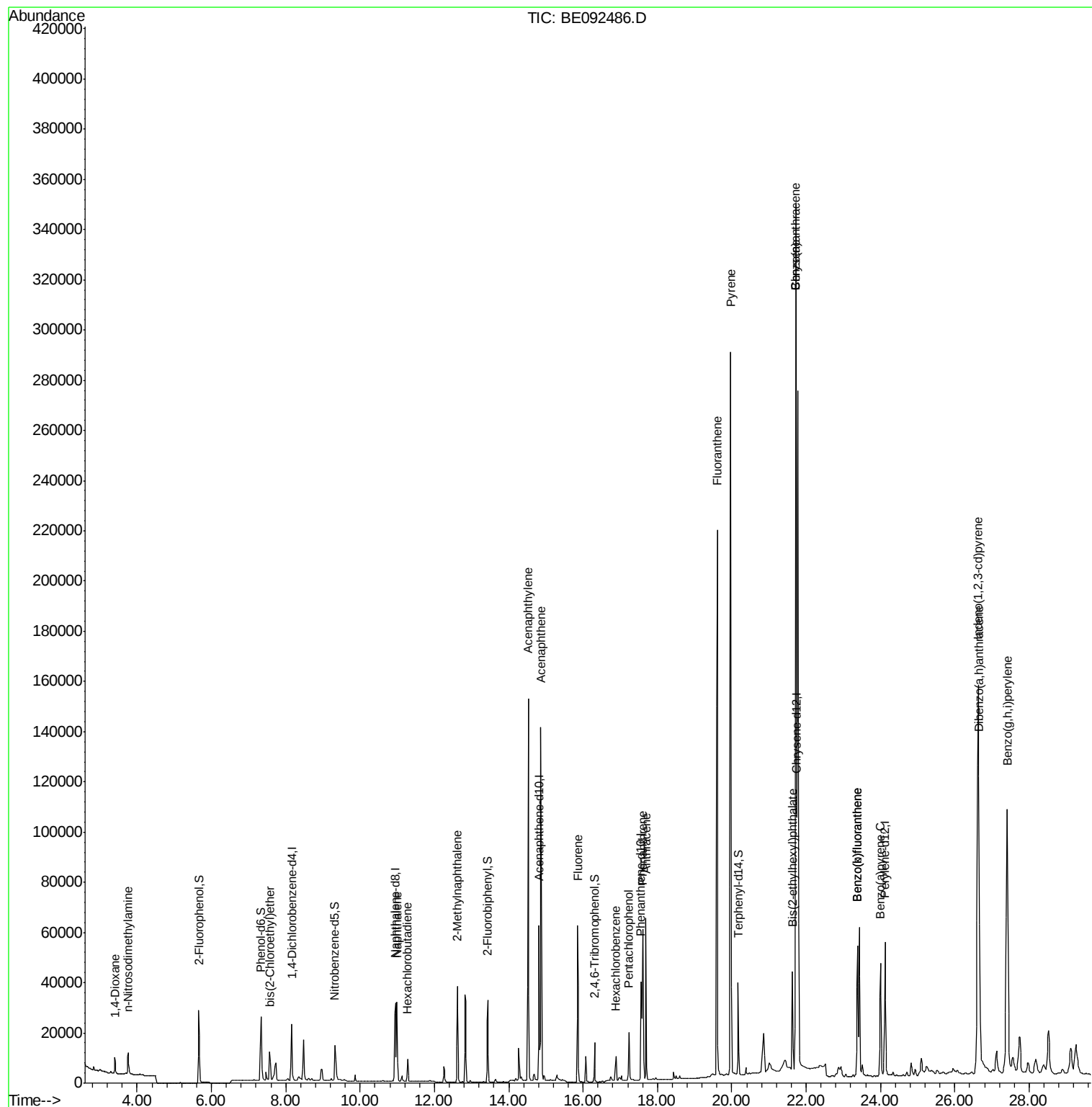
Target Compounds						Qvalue
2) 1,4-Dioxane	3.41	88	3886	2.93	ng	# 61
3) n-Nitrosodimethylamine	3.75	42	7470	3.68	ng	# 98
6) bis(2-Chloroethyl)ether	7.57	93	12011	3.48	ng	# 83
9) Naphthalene	10.99	128	43091	3.52	ng	# 94
10) Hexachlorobutadiene	11.28	225	6400	3.41	ng	99
11) 2-Methylnaphthalene	12.61	142	29076	3.68	ng	98
15) Acenaphthylene	14.53	152	196455	3.75	ng	100
16) Acenaphthene	14.87	154	29295	3.50	ng	94
17) Fluorene	15.86	166	39212	3.92	ng	99
19) Hexachlorobenzene	16.89	284	11807	3.71	ng	# 62
20) Pentachlorophenol	17.23	266	14468	16.43	ng	85
21) Phenanthrene	17.60	178	70061	3.82	ng	# 95
22) Anthracene	17.70	178	74498	4.51	ng	99
23) Fluoranthene	19.61	202	312685	4.29	ng	98
25) Pyrene	19.97	202	326339	3.90	ng	99
27) Benzo(a)anthracene	21.72	228	645340	7.27	ng	91
28) Chrysene	21.72	228	646574	6.93	ng	# 71
29) Bis(2-ethylhexyl)phthalate	21.63	149	50445	4.76	ng	# 74
30) Indeno(1,2,3-cd)pyrene	26.63	276	324247	3.94	ng	# 92
32) Benzo(b)fluoranthene	23.38	252	74984	3.77	ng	97
33) Benzo(k)fluoranthene	23.38	252	74984	3.81	ng	94
34) Benzo(a)pyrene	24.01	252	72986	4.06	ng	98
35) Dibenzo(a,h)anthracene	26.65	278	68734	4.09	ng	97
36) Benzo(g,h,i)perylene	27.42	276	273922	3.78	ng	98

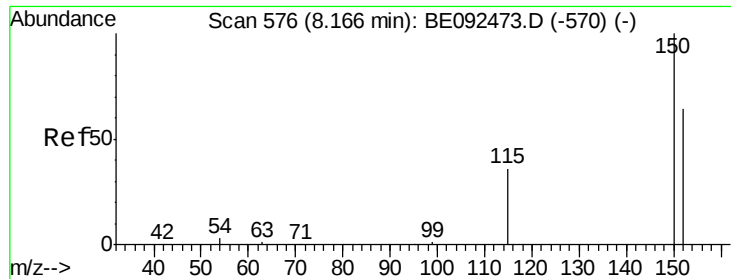
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 25 15:25:33 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.16 min Scan# 576

Delta R.T. -0.00 min

Lab File: BE092486.D

Acq: 31 Oct 2016 19:06

Instrument :

BNA_E

ClientSampleId :

WOOLSTON-TS-004MS

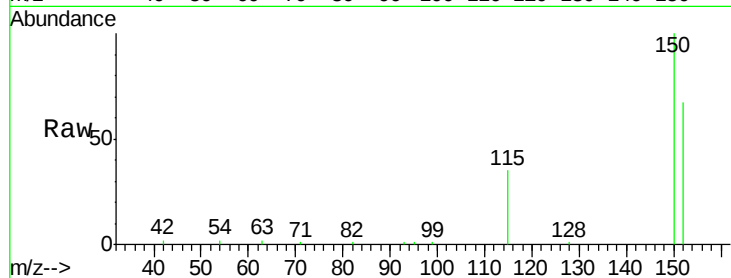
Tgt Ion:152 Resp: 12242

Ion Ratio Lower Upper

152 100

150 149.7 106.0 159.0

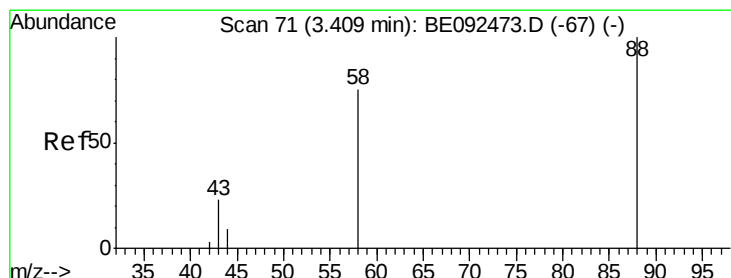
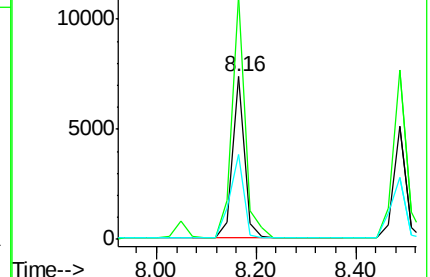
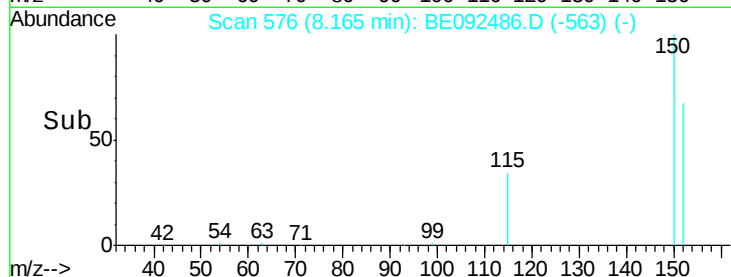
115 51.8 31.2 46.8#



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



#2

1,4-Dioxane

Concen: 2.93 ng

RT: 3.41 min Scan# 71

Delta R.T. 0.00 min

Lab File: BE092486.D

Acq: 31 Oct 2016 19:06

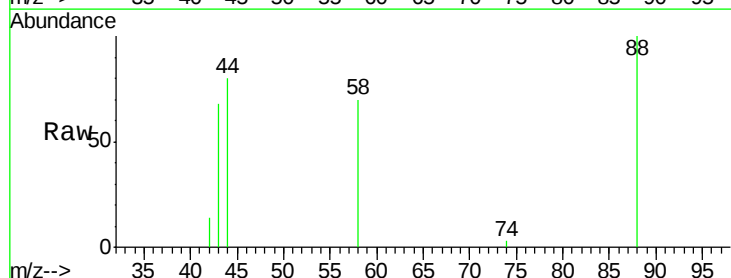
Tgt Ion: 88 Resp: 3886

Ion Ratio Lower Upper

88 100

58 95.4 63.6 95.4#

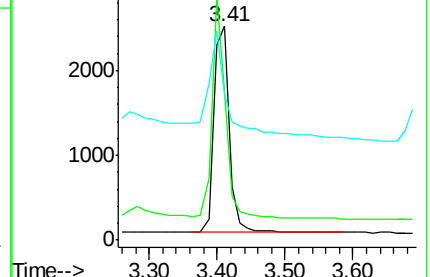
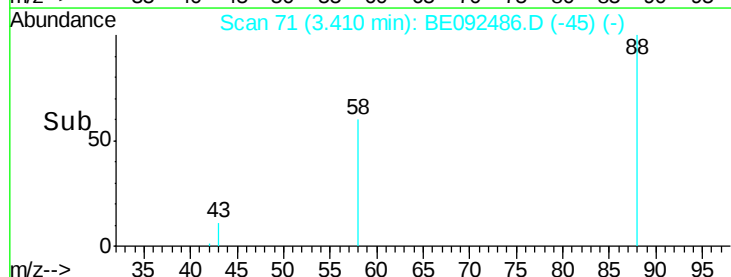
43 84.5 28.0 42.0#

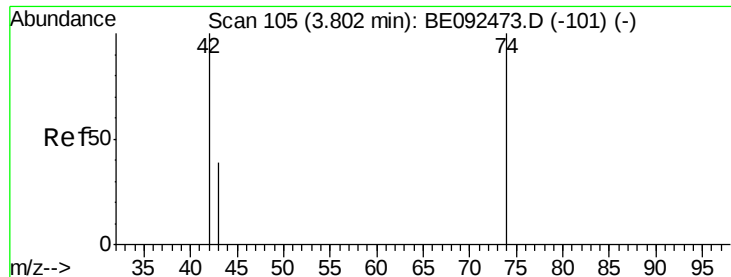


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.68 ng

RT: 3.75 min Scan# 100

Delta R.T. -0.06 min

Lab File: BE092486.D

Acq: 31 Oct 2016 19:06

Instrument :

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WOOLSTON-TS-004MS

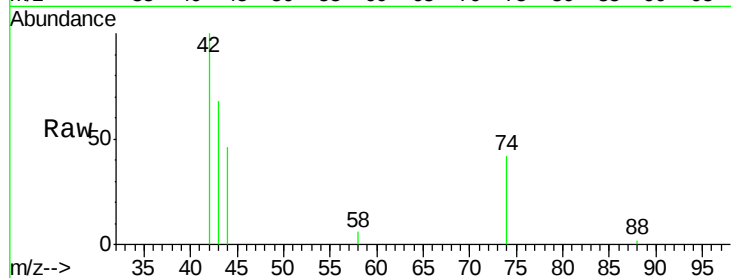
Tgt Ion: 42 Resp: 7470

Ion Ratio Lower Upper

42 100

74 108.4 86.0 129.0

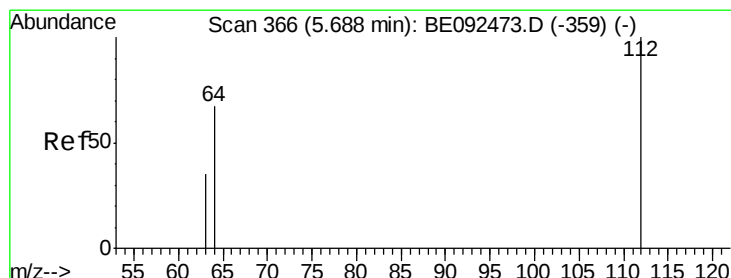
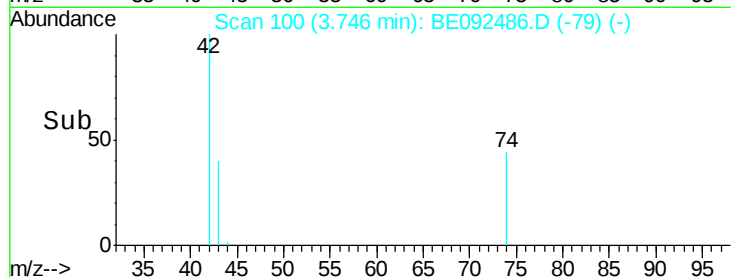
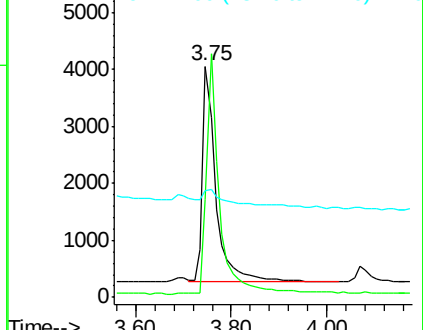
44 13.9 5.1 7.7#



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: 10.19 ng

RT: 5.67 min Scan# 363

Delta R.T. -0.02 min

Lab File: BE092486.D

Acq: 31 Oct 2016 19:06

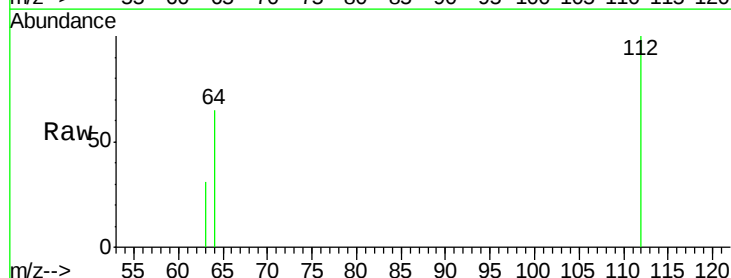
Tgt Ion: 112 Resp: 23262

Ion Ratio Lower Upper

112 100

64 69.0 53.5 80.3

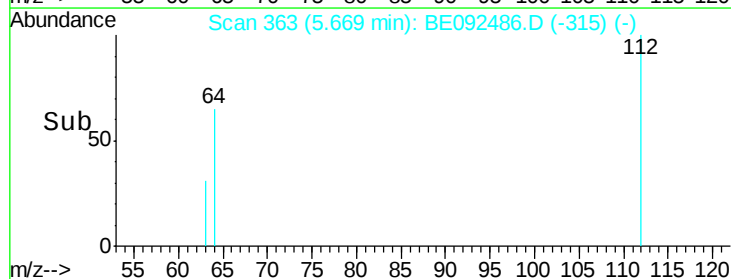
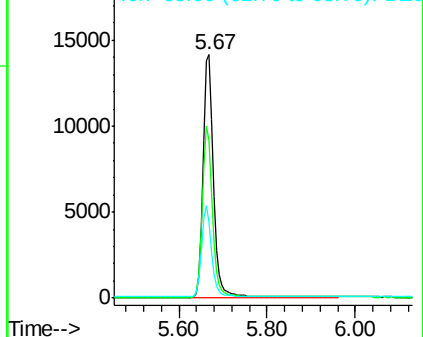
63 36.3 27.9 41.9

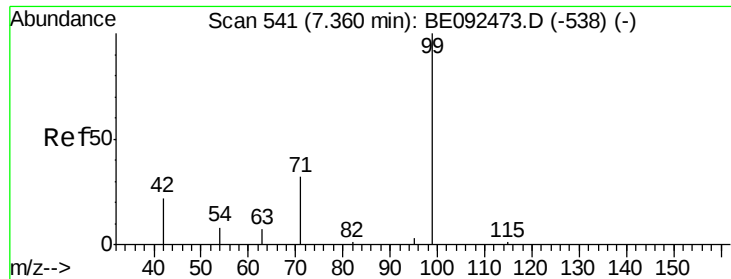


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 9.69 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092486.D

Acq: 31 Oct 2016 19:06

Instrument :

BNA_E

ClientSampleId :

WOOLSTON-TS-004MS

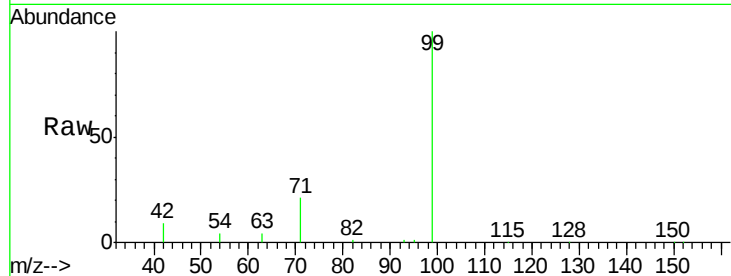
Tgt Ion: 99 Resp: 33264

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

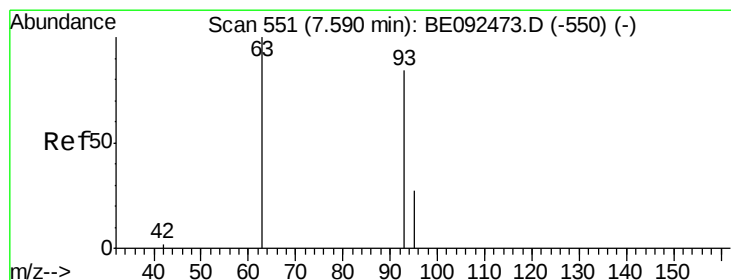
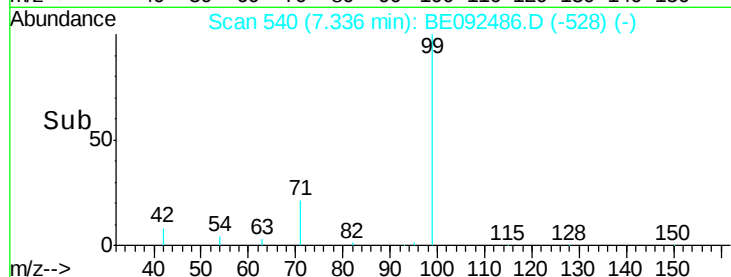
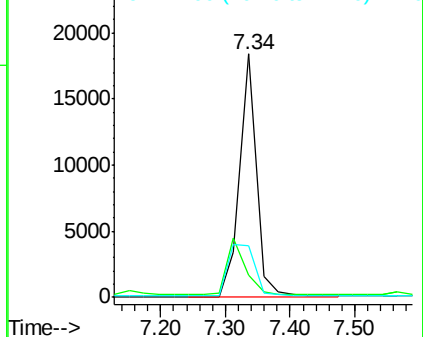
71 0.0 30.6 45.8#



Abundance Ion 99.00 (98.70 to 99.70): 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: 3.48 ng

RT: 7.57 min Scan# 550

Delta R.T. -0.02 min

Lab File: BE092486.D

Acq: 31 Oct 2016 19:06

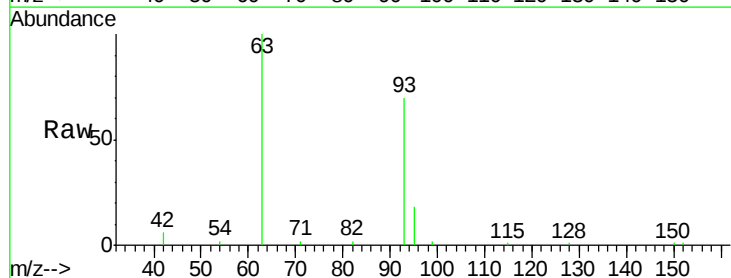
Tgt Ion: 93 Resp: 12011

Ion Ratio Lower Upper

93 100

63 92.8 71.6 107.4

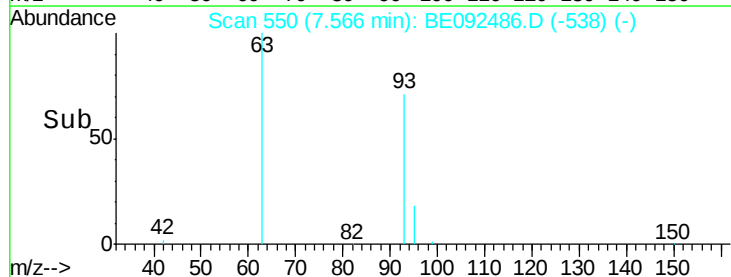
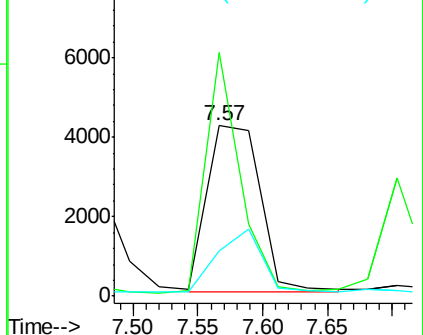
95 0.0 24.0 36.0#

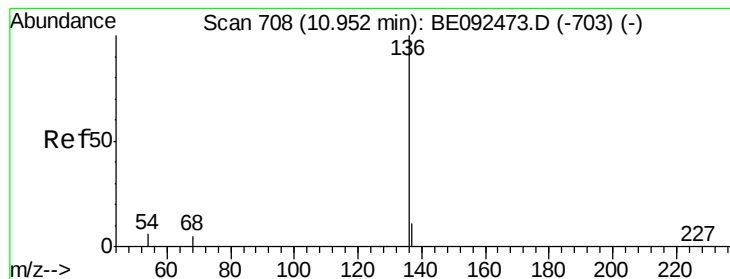


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

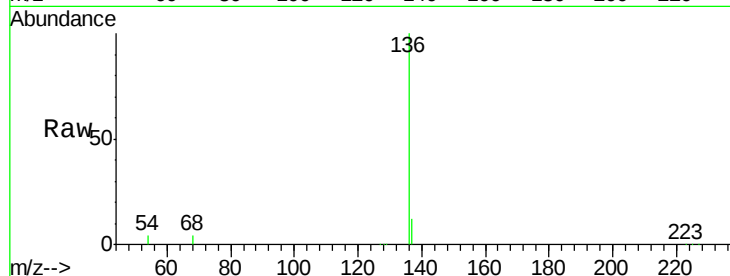




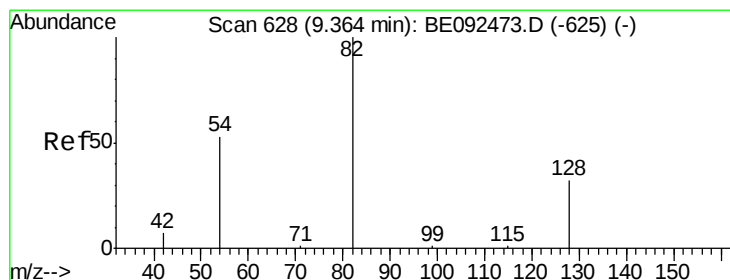
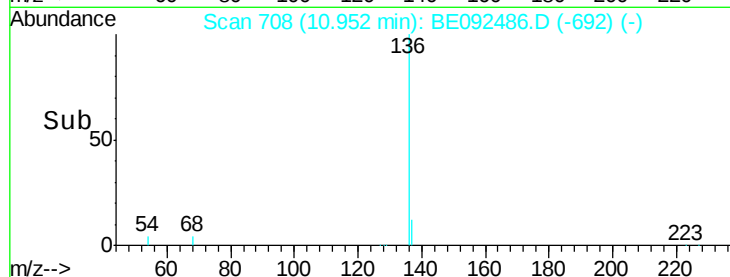
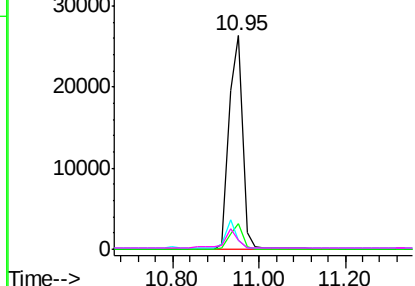
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. 0.00 min
Lab File: BE092486.D
Acq: 31 Oct 2016 19:06

Instrument :
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Tgt Ion:	136	Resp:	56613
Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.2	12.4
54	4.4	9.6	14.4#
68	4.1	6.7	10.1#

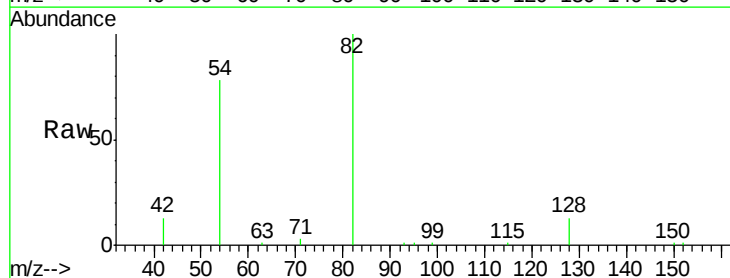


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0

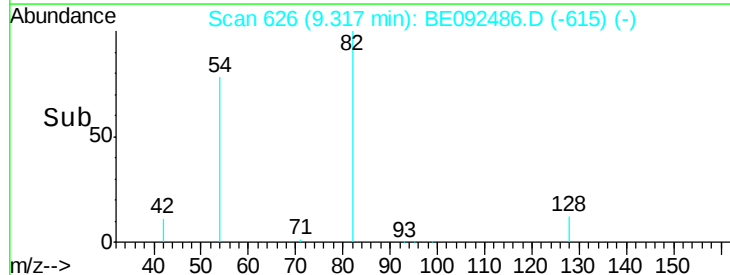
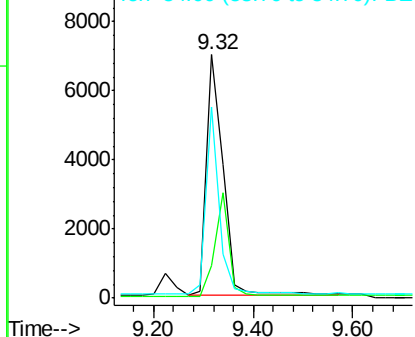


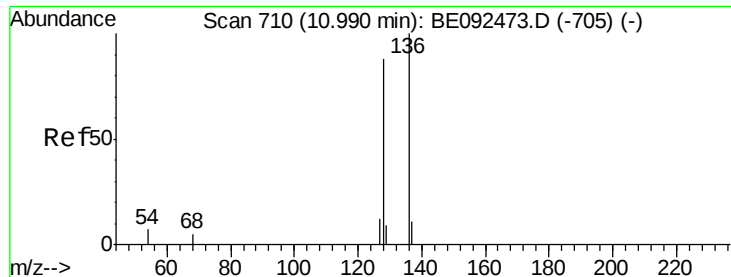
#8
Nitrobenzene-d5
Concen: 4.00 ng
RT: 9.32 min Scan# 626
Delta R.T. -0.05 min
Lab File: BE092486.D
Acq: 31 Oct 2016 19:06

Tgt Ion:	82	Resp:	15988
Ion	Ratio	Lower	Upper
82	100		
128	13.2	39.0	58.4#
54	78.3	44.8	67.2#



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





#9

Naphthalene

Concen: 3.52 ng

RT: 10.99 min Scan# 710

Delta R.T. 0.00 min

Lab File: BE092486.D

Acq: 31 Oct 2016 19:06

Instrument :

BNA_E

ClientSampleId :

WOOLSTON-TS-004MS

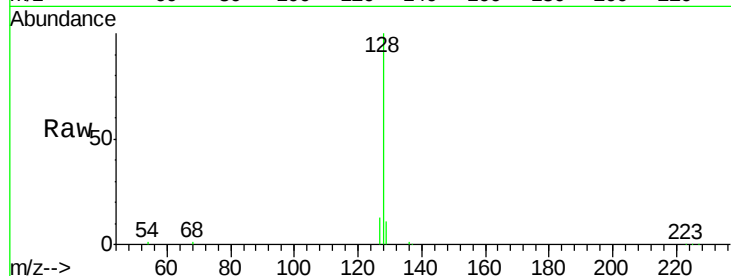
Tgt Ion:128 Resp: 43091

Ion Ratio Lower Upper

128 100

129 11.1 11.2 16.8#

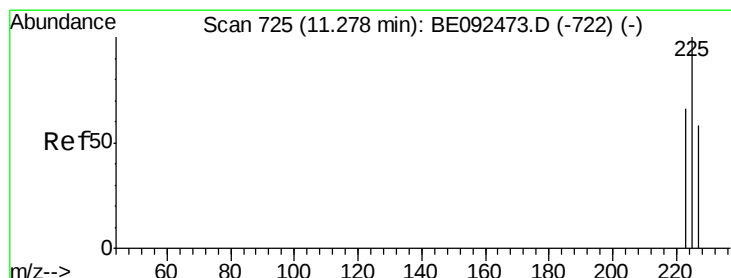
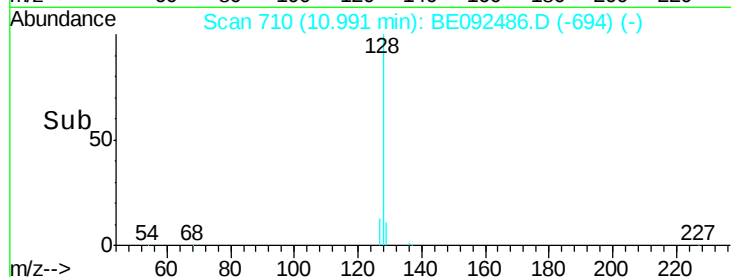
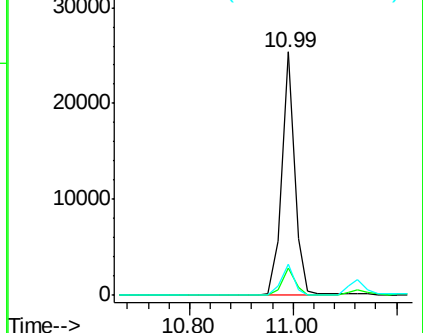
127 12.9 11.6 17.4



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



#10

Hexachlorobutadiene

Concen: 3.41 ng

RT: 11.28 min Scan# 725

Delta R.T. 0.00 min

Lab File: BE092486.D

Acq: 31 Oct 2016 19:06

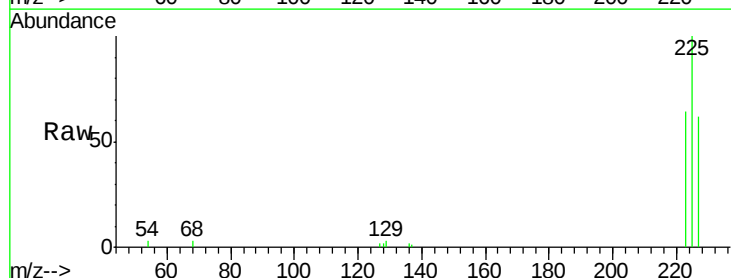
Tgt Ion:225 Resp: 6400

Ion Ratio Lower Upper

225 100

223 63.1 50.6 76.0

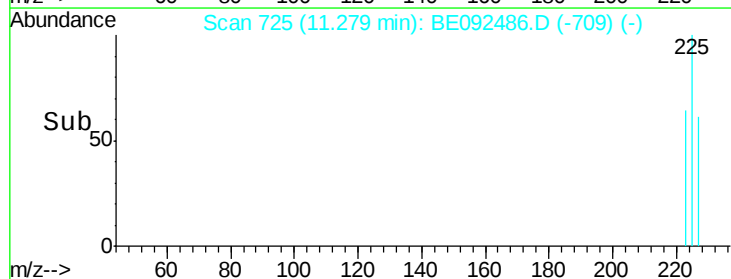
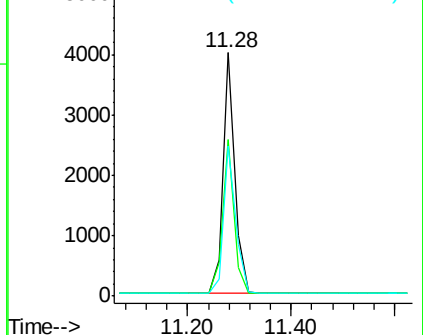
227 63.6 51.4 77.0

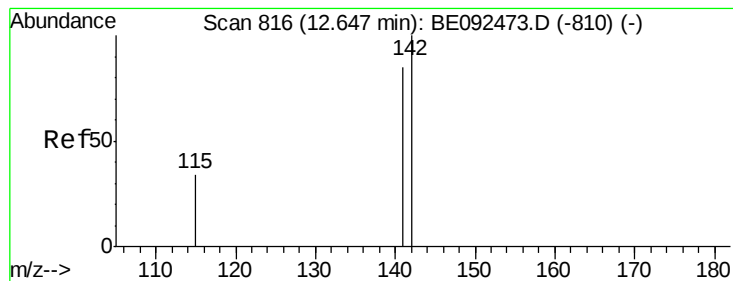


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 3.68 ng

RT: 12.61 min Scan# 813

Delta R.T. -0.03 min

Lab File: BE092486.D

Acq: 31 Oct 2016 19:06

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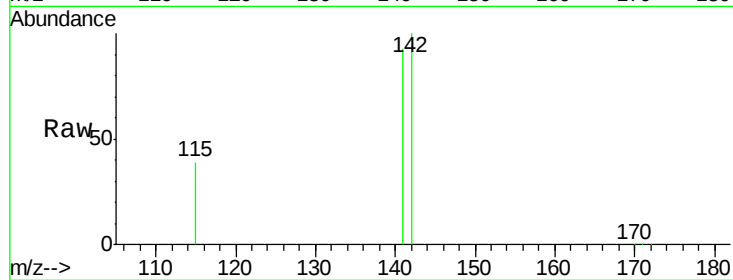
Tgt Ion:142 Resp: 29076

Ion Ratio Lower Upper

142 100

141 92.7 73.7 110.5

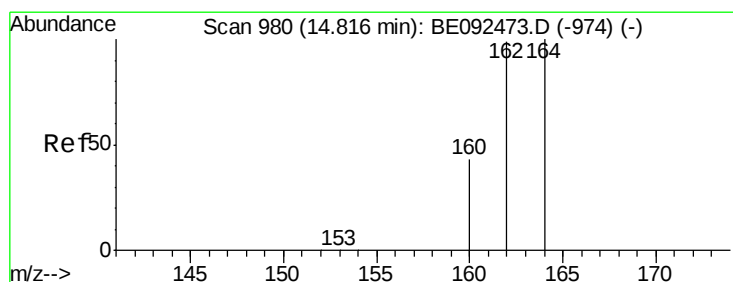
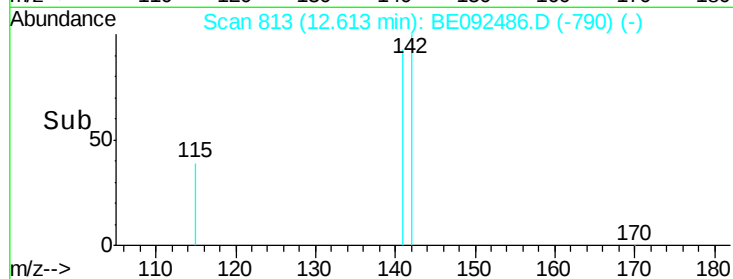
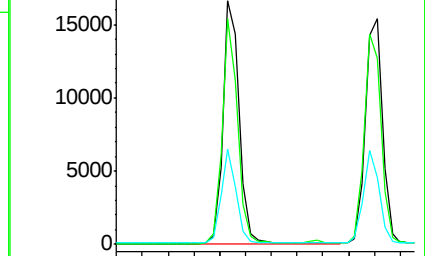
115 39.2 34.0 51.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.81 min Scan# 979

Delta R.T. -0.00 min

Lab File: BE092486.D

Acq: 31 Oct 2016 19:06

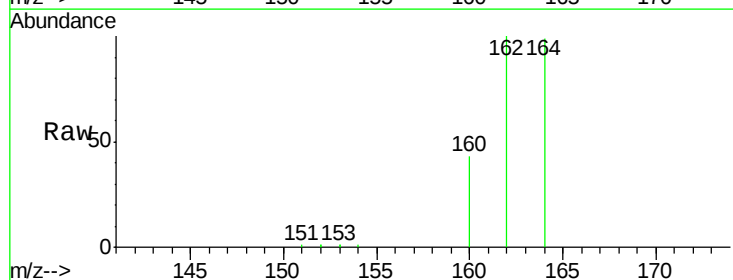
Tgt Ion:164 Resp: 36665

Ion Ratio Lower Upper

164 100

162 101.2 71.4 107.0

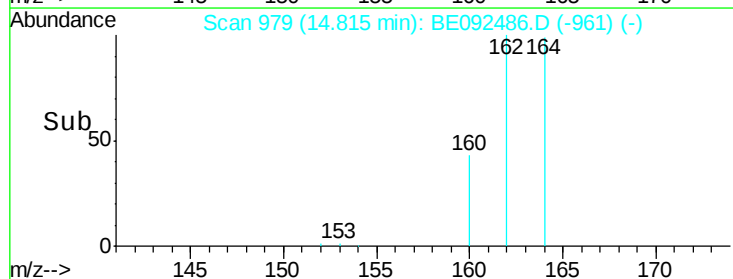
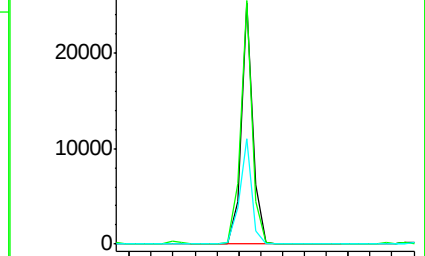
160 43.8 27.4 41.2#

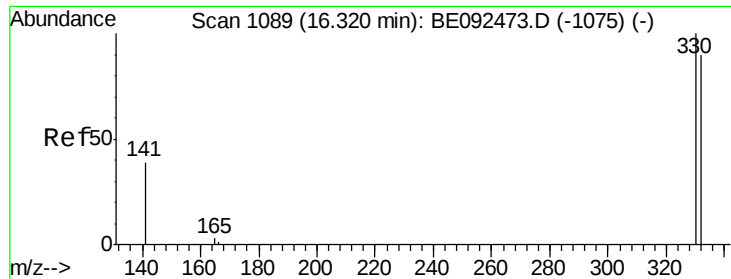


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

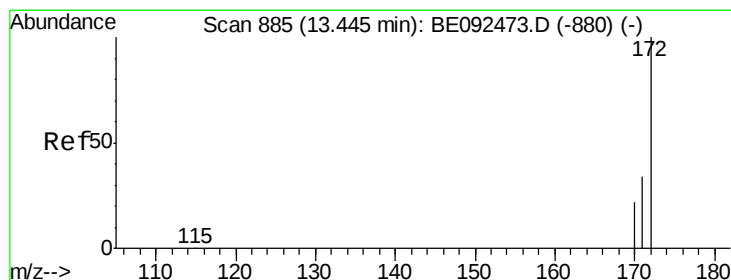
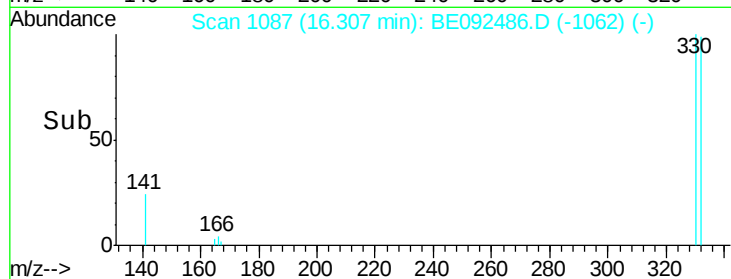
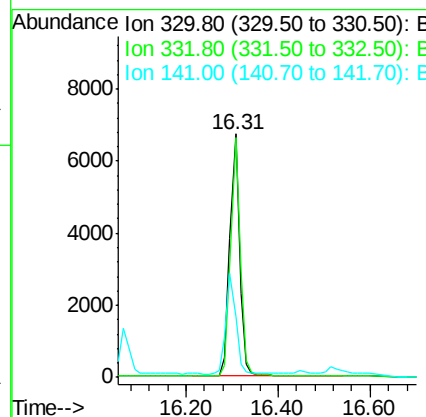
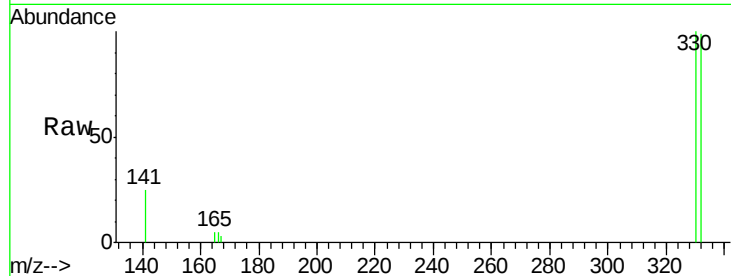




#13
 2,4,6-Tribromophenol
 Concen: 9.72 ng
 RT: 16.31 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BE092486.D
 Acq: 31 Oct 2016 19:06

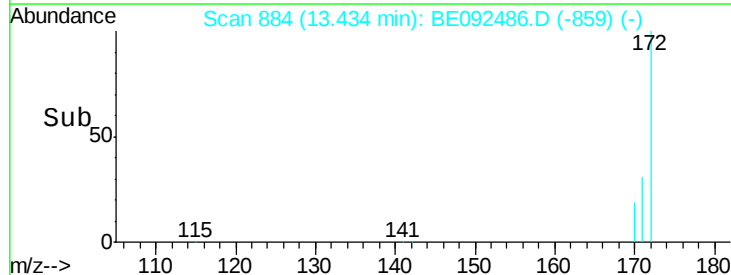
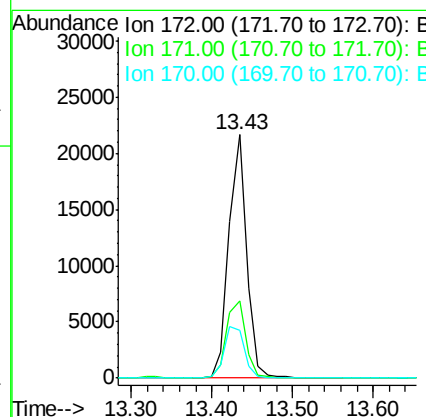
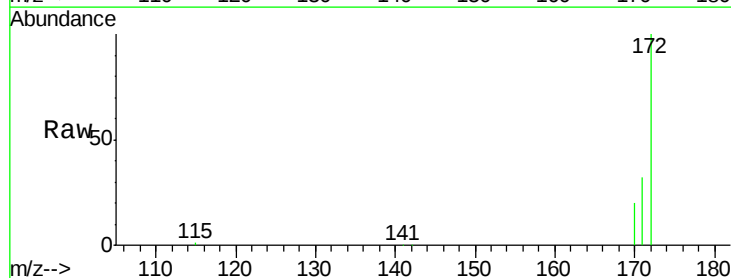
Instrument :
 BNA_E
 ClientSampleId :
 WOOLSTON-TS-004MS

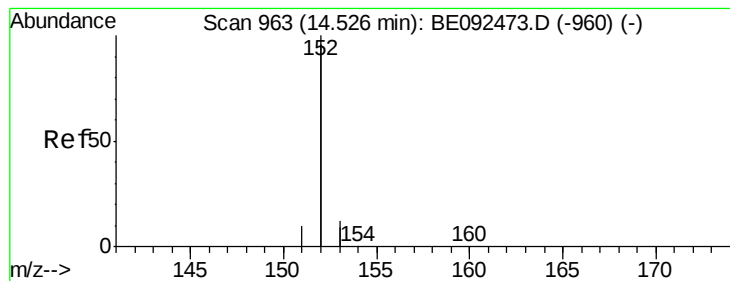
Tgt Ion: 330 Resp: 9689
 Ion Ratio Lower Upper
 330 100
 332 97.3 75.4 113.0
 141 42.4 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 3.67 ng
 RT: 13.43 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BE092486.D
 Acq: 31 Oct 2016 19:06

Tgt Ion: 172 Resp: 32789
 Ion Ratio Lower Upper
 172 100
 171 31.6 30.1 45.1
 170 19.6 21.8 32.6#





#15

Acenaphthylene

Concen: 3.75 ng

RT: 14.53 min Scan# 962

Delta R.T. -0.00 min

Lab File: BE092486.D

Acq: 31 Oct 2016 19:06

Instrument :

BNA_E

ClientSampleId :

WOOLSTON-TS-004MS

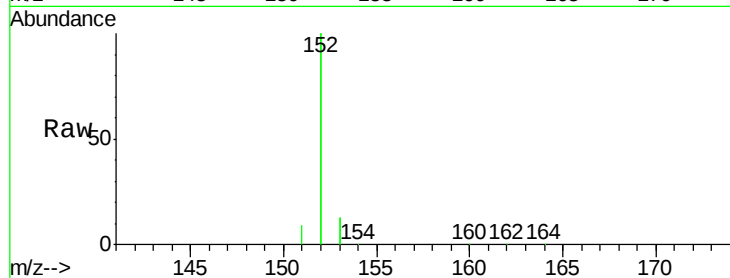
Tgt Ion:152 Resp: 196455

Ion Ratio Lower Upper

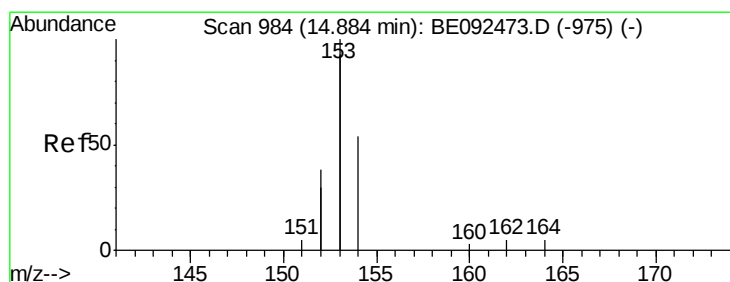
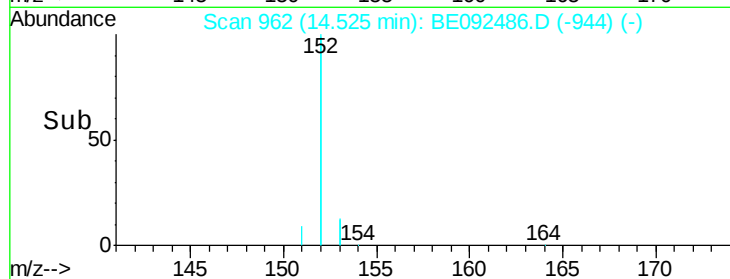
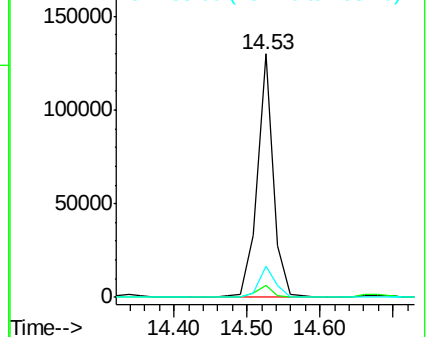
152 100

151 4.9 3.9 5.9

153 13.1 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: 3.50 ng

RT: 14.87 min Scan# 982

Delta R.T. -0.02 min

Lab File: BE092486.D

Acq: 31 Oct 2016 19:06

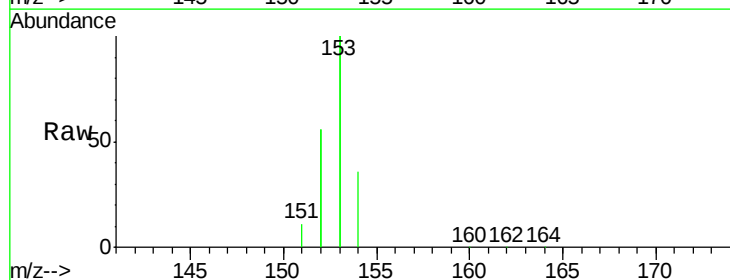
Tgt Ion:154 Resp: 29295

Ion Ratio Lower Upper

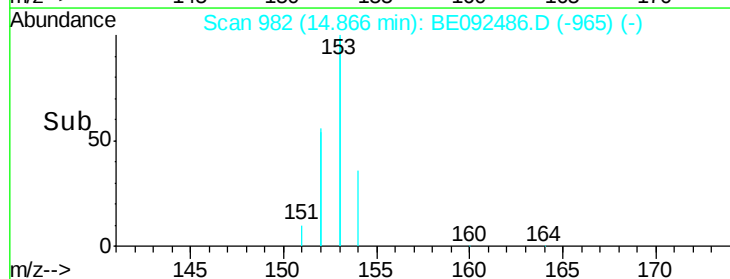
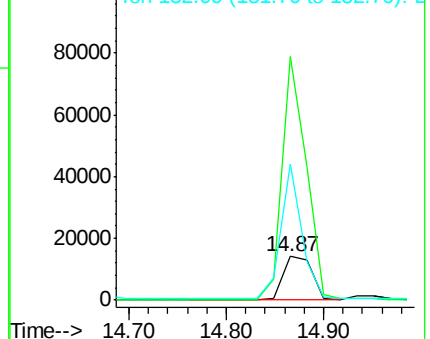
154 100

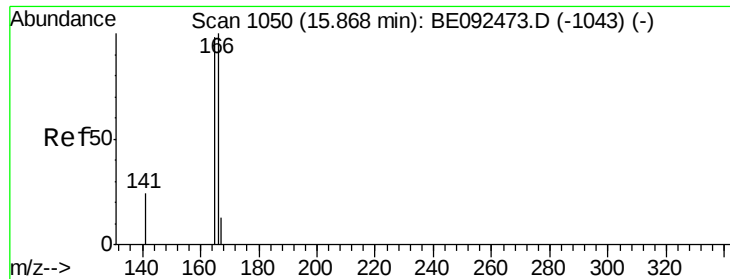
153 453.4 350.8 526.2

152 223.6 171.1 256.7



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

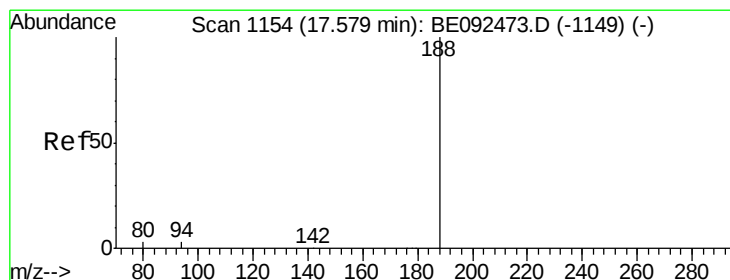
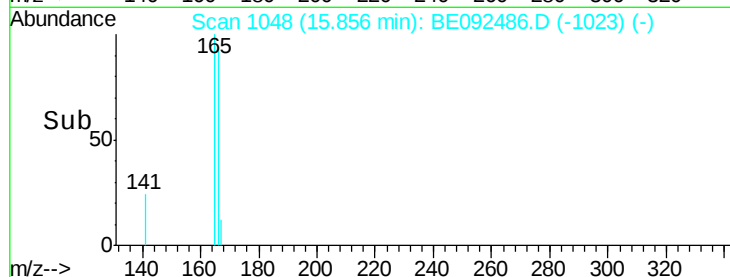
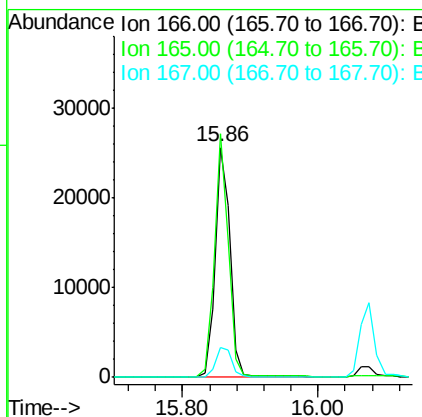
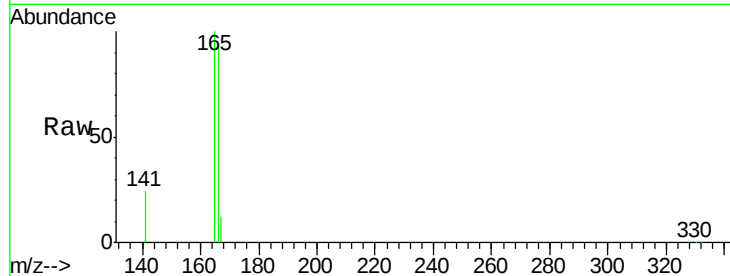




#17
Fluorene
 Concen: 3.92 ng
 RT: 15.86 min Scan# 1048
 Delta R.T. -0.01 min
 Lab File: BE092486.D
 Acq: 31 Oct 2016 19:06

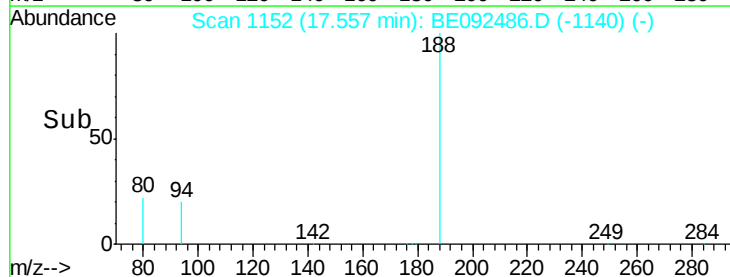
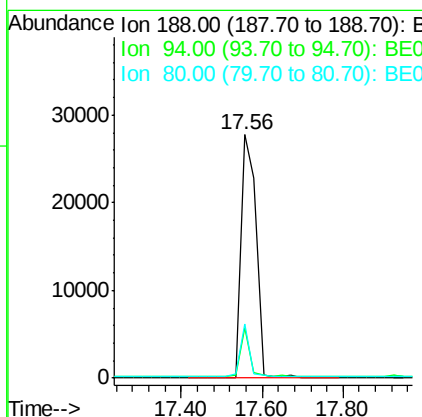
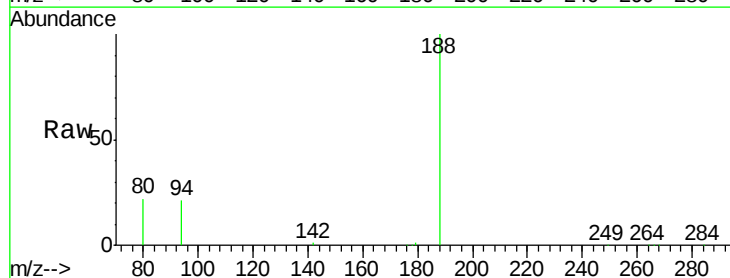
Instrument :
 BNA_E
 ClientSampleId :
 WOOLSTON-TS-004MS

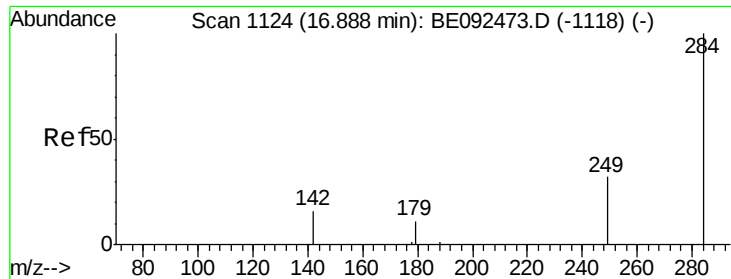
Tgt Ion:166 Resp: 39212
 Ion Ratio Lower Upper
 166 100
 165 98.5 78.2 117.4
 167 13.4 11.0 16.4



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.56 min Scan# 1152
 Delta R.T. -0.02 min
 Lab File: BE092486.D
 Acq: 31 Oct 2016 19:06

Tgt Ion:188 Resp: 71079
 Ion Ratio Lower Upper
 188 100
 94 20.5 3.2 4.8#
 80 22.4 2.6 3.8#

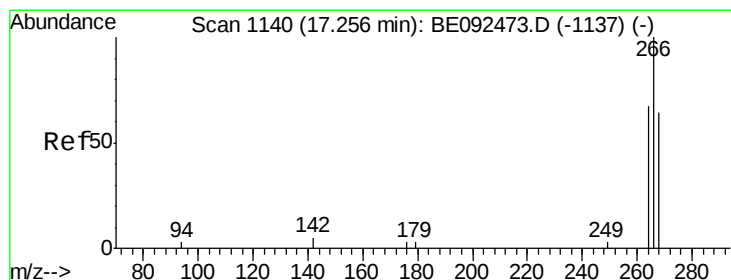
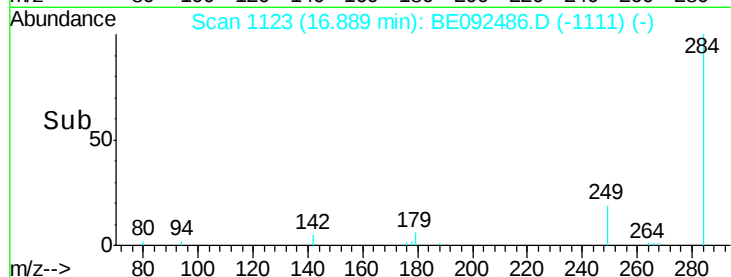
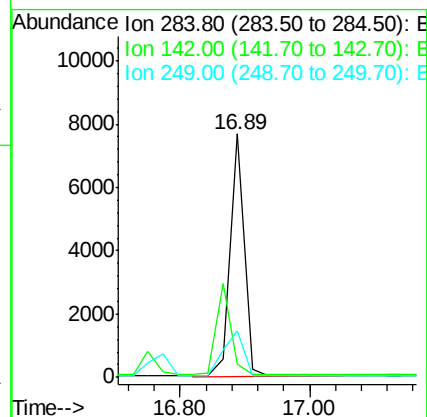
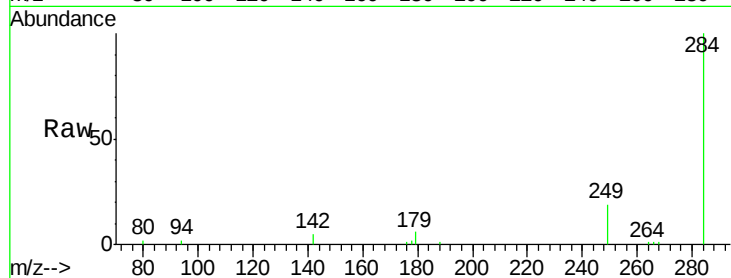




#19
Hexachlorobenzene
Concen: 3.71 ng
RT: 16.89 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE092486.D
Acq: 31 Oct 2016 19:06

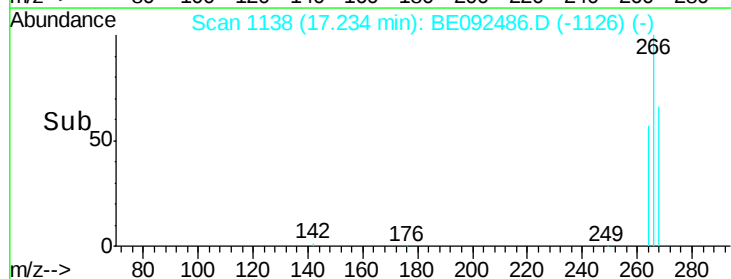
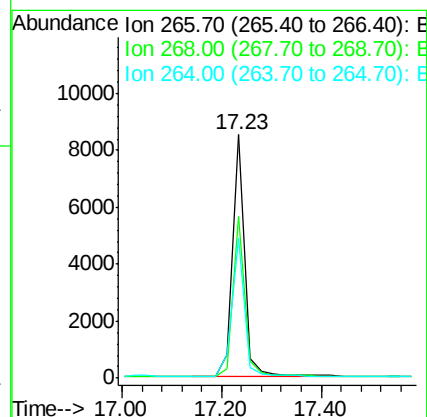
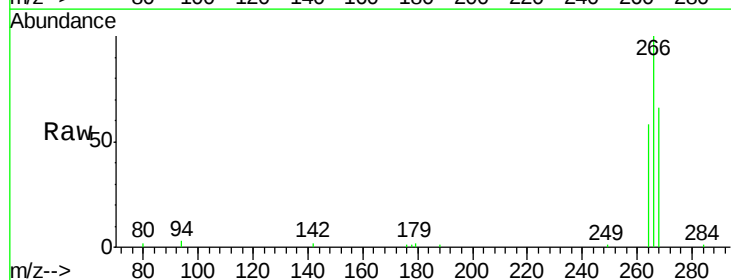
Instrument :
BNA_E
ClientSampleId :
WOOLSTON-TS-004MS

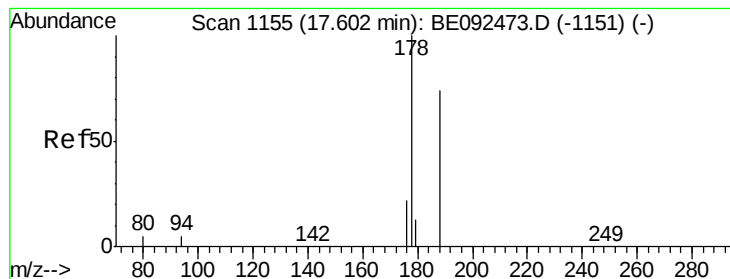
Tgt Ion: 284 Resp: 11807
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 26.7 27.9 41.9#



#20
Pentachlorophenol
Concen: 16.43 ng
RT: 17.23 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BE092486.D
Acq: 31 Oct 2016 19:06

Tgt Ion: 266 Resp: 14468
Ion Ratio Lower Upper
266 100
268 66.4 62.5 93.7
264 57.7 57.2 85.8





#21

Phenanthrene

Concen: 3.82 ng

RT: 17.60 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE092486.D

Acq: 31 Oct 2016 19:06

Instrument :

BNA_E

ClientSampleId :

WOOLSTON-TS-004MS

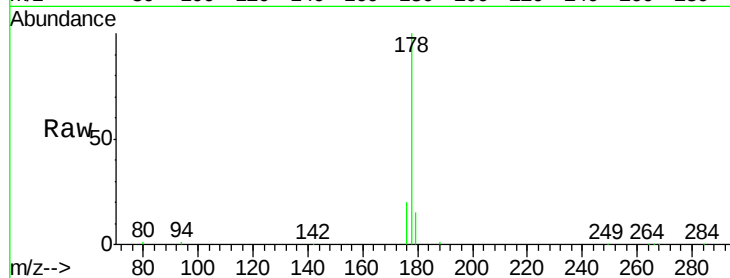
Tgt Ion:178 Resp: 70061

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

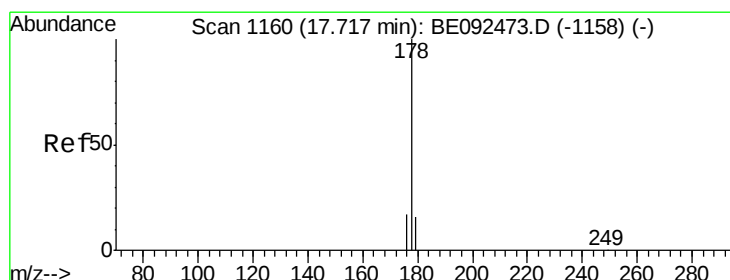
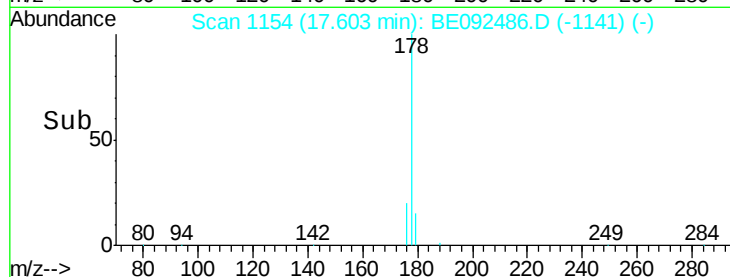
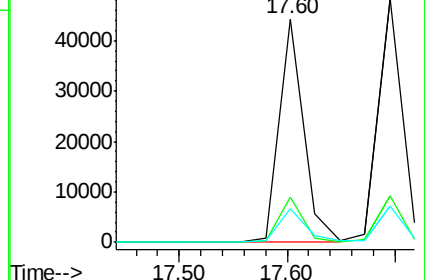
179 15.6 16.0 24.0#



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



#22

Anthracene

Concen: 4.51 ng

RT: 17.70 min Scan# 1158

Delta R.T. -0.02 min

Lab File: BE092486.D

Acq: 31 Oct 2016 19:06

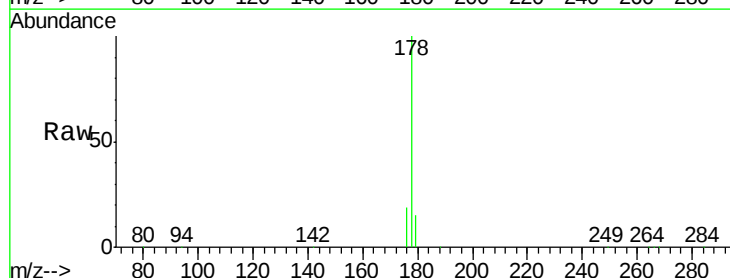
Tgt Ion:178 Resp: 74498

Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

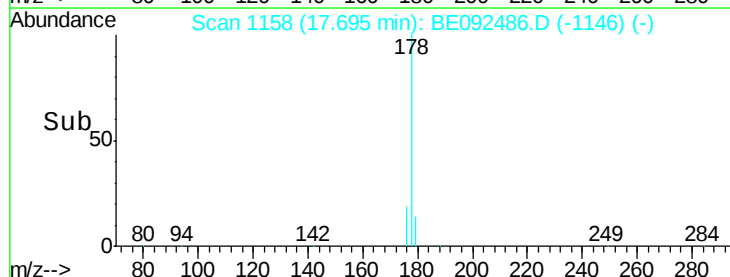
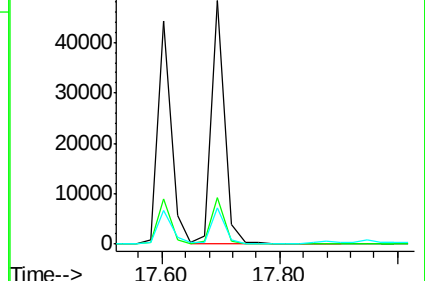
179 14.9 12.2 18.2

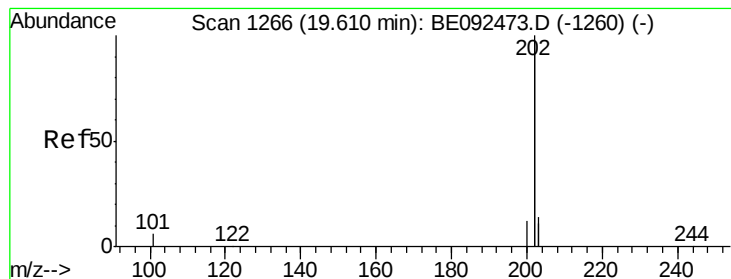


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 4.29 ng

RT: 19.61 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE092486.D

Acq: 31 Oct 2016 19:06

Instrument :

BNA_E

ClientSampleId :

WOOLSTON-TS-004MS

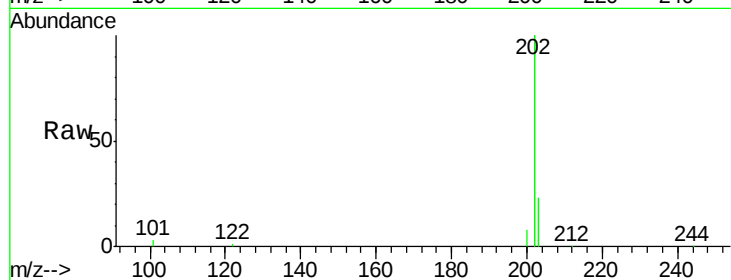
Tgt Ion: 202 Resp: 312685

Ion Ratio Lower Upper

202 100

101 3.0 2.2 3.4

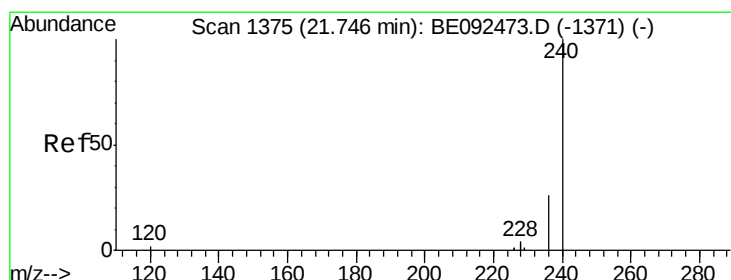
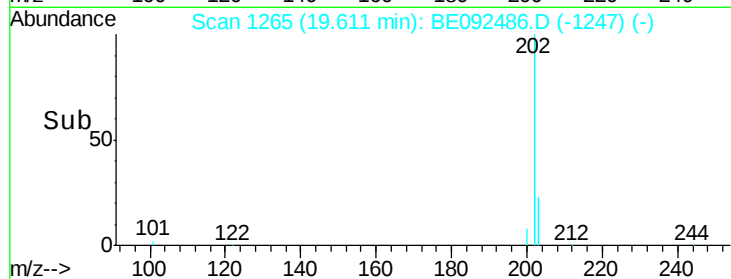
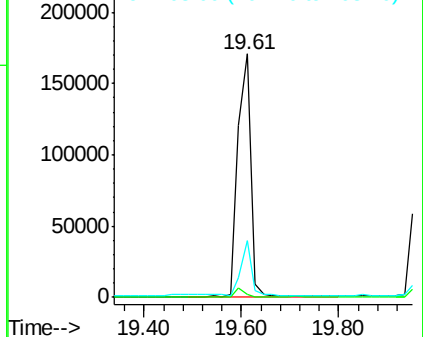
203 18.2 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE092486.D

Acq: 31 Oct 2016 19:06

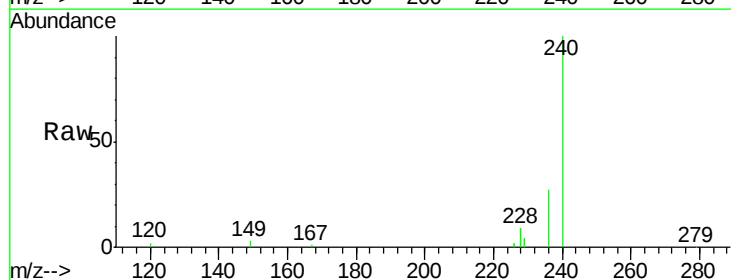
Tgt Ion: 240 Resp: 95916

Ion Ratio Lower Upper

240 100

120 2.1 2.6 4.0#

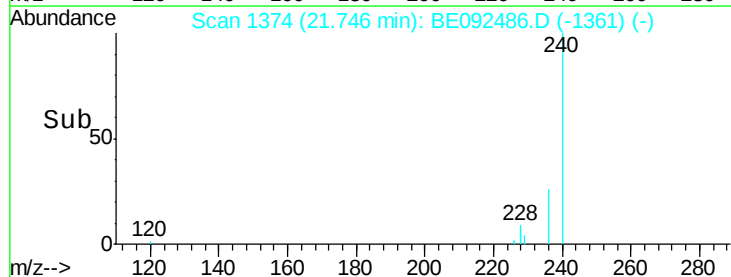
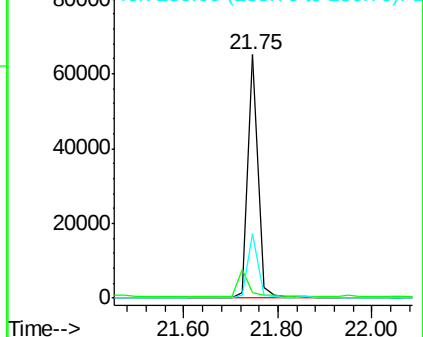
236 26.6 24.6 37.0

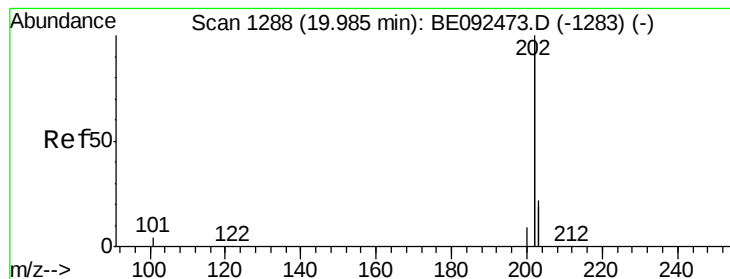


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#25

Pyrene

Concen: 3.90 ng

RT: 19.97 min Scan# 1286

Delta R.T. -0.02 min

Lab File: BE092486.D

Acq: 31 Oct 2016 19:06

Instrument :

BNA_E

ClientSampleId :

WOOLSTON-TS-004MS

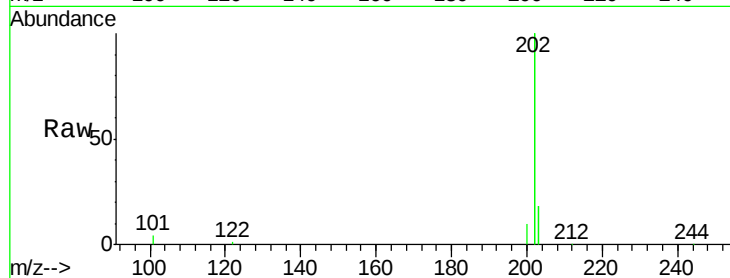
Tgt Ion:202 Resp: 326339

Ion Ratio Lower Upper

202 100

200 5.3 4.2 6.4

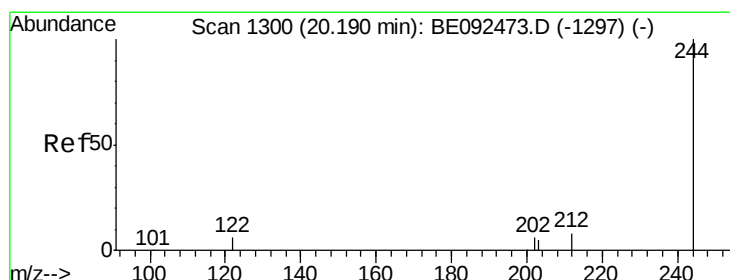
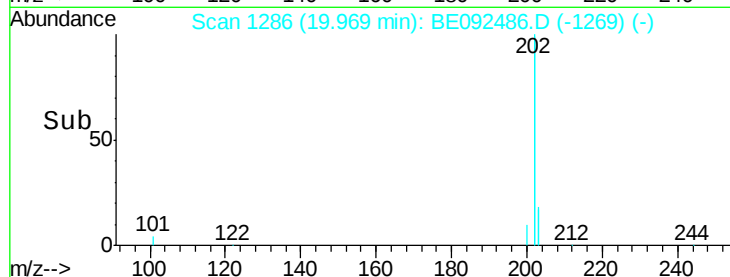
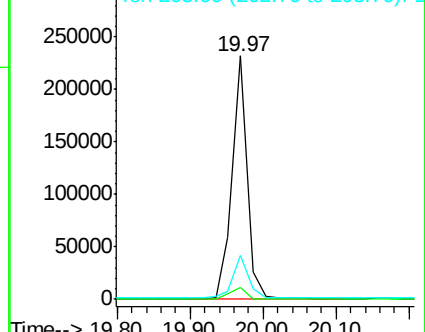
203 18.2 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#26

Terphenyl-d14

Concen: 3.64 ng

RT: 20.17 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BE092486.D

Acq: 31 Oct 2016 19:06

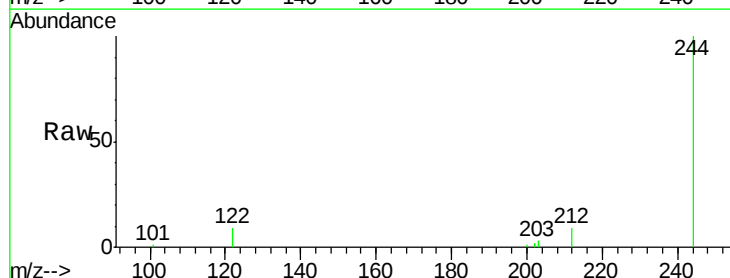
Tgt Ion:244 Resp: 43167

Ion Ratio Lower Upper

244 100

212 9.1 6.7 10.1

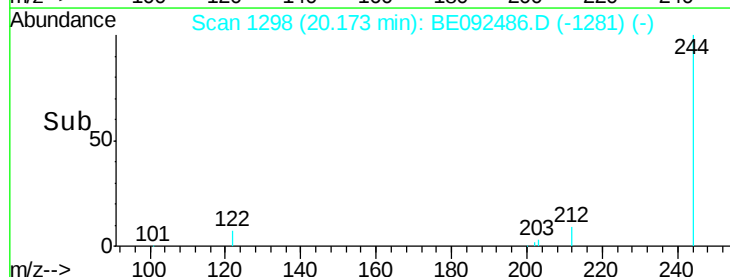
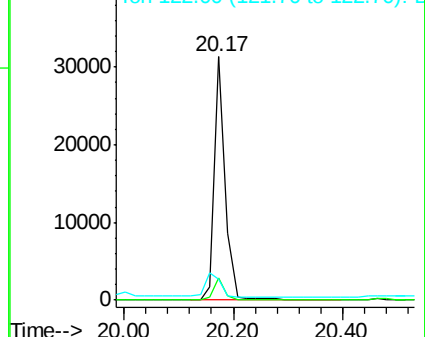
122 8.6 3.6 5.4#

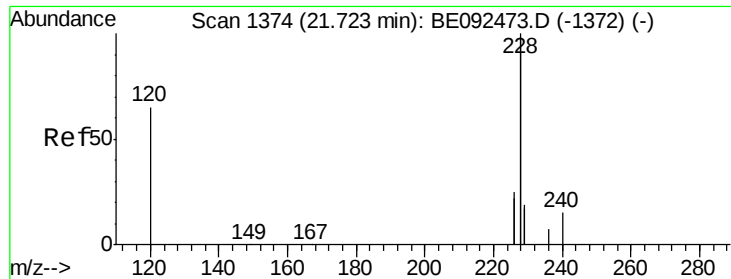


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

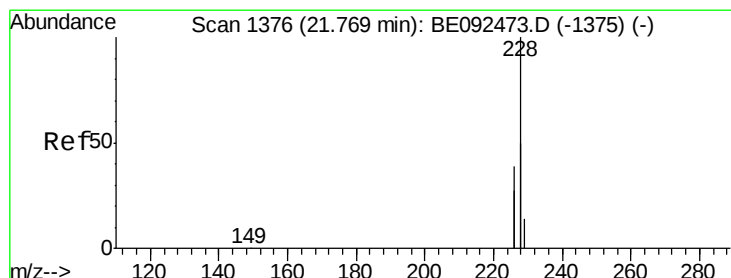
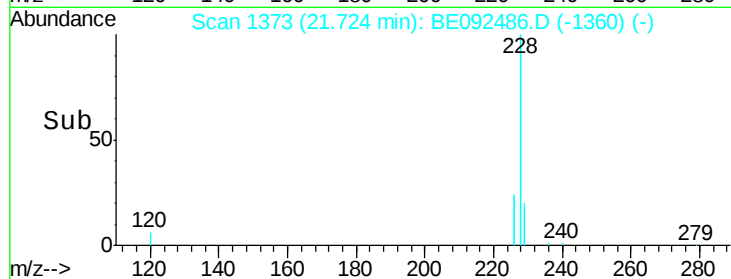
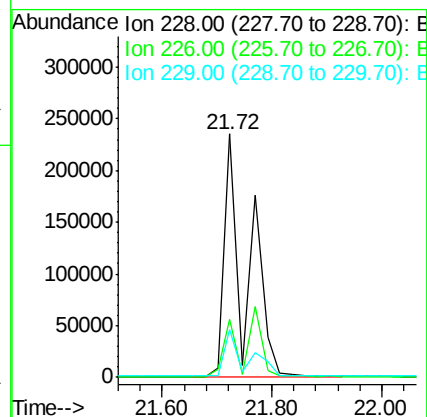
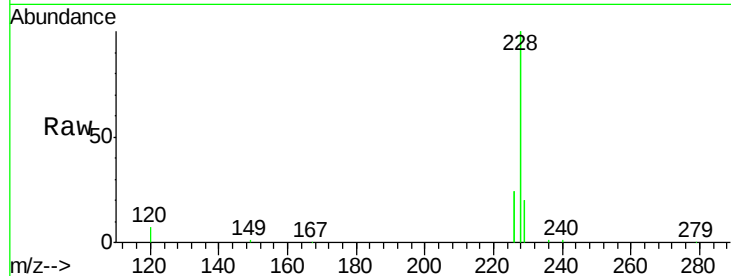




#27
Benzo(a)anthracene
Concen: 7.27 ng
RT: 21.72 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BE092486.D
Acq: 31 Oct 2016 19:06

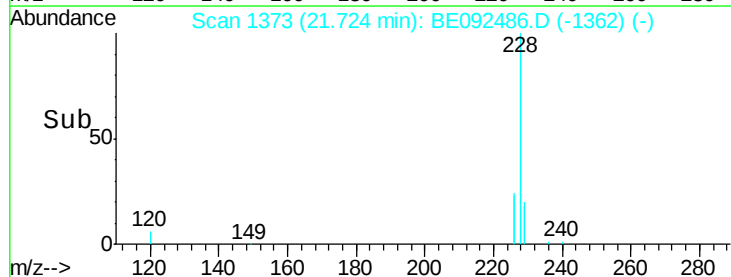
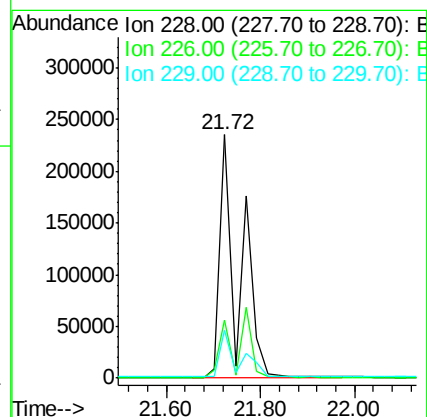
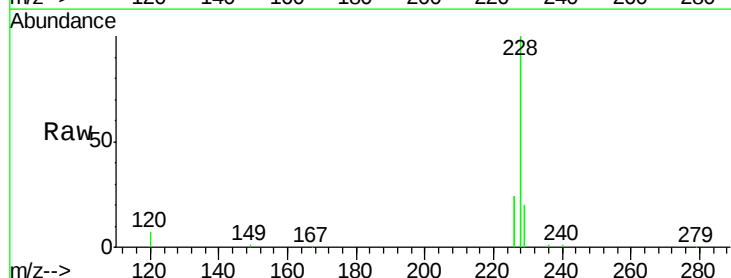
Instrument :
BNA_E
ClientSampleId :
WOOLSTON-TS-004MS

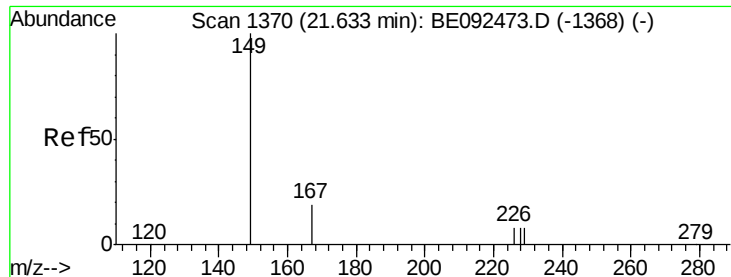
Tgt Ion:228 Resp: 645340
Ion Ratio Lower Upper
228 100
226 24.0 23.6 35.4
229 19.7 13.3 19.9



#28
Chrysene
Concen: 6.93 ng
RT: 21.72 min Scan# 1373
Delta R.T. -0.04 min
Lab File: BE092486.D
Acq: 31 Oct 2016 19:06

Tgt Ion:228 Resp: 646574
Ion Ratio Lower Upper
228 100
226 24.0 36.3 54.5#
229 19.7 10.6 16.0#

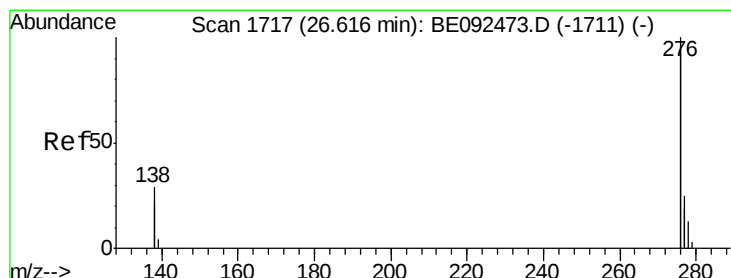
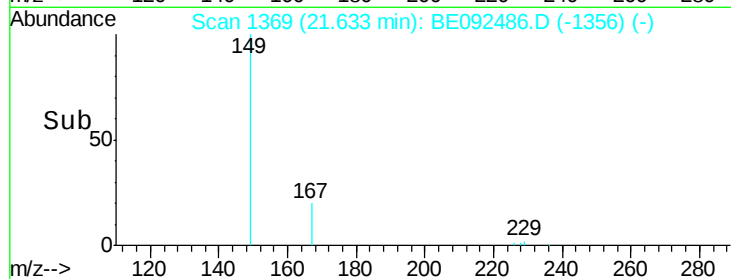
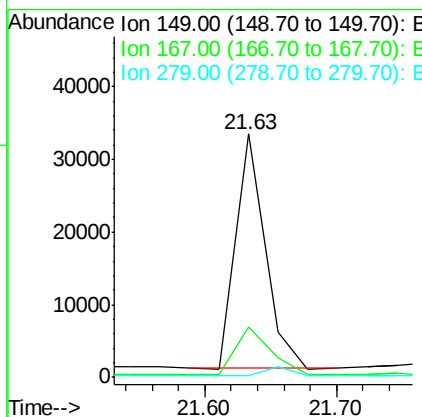
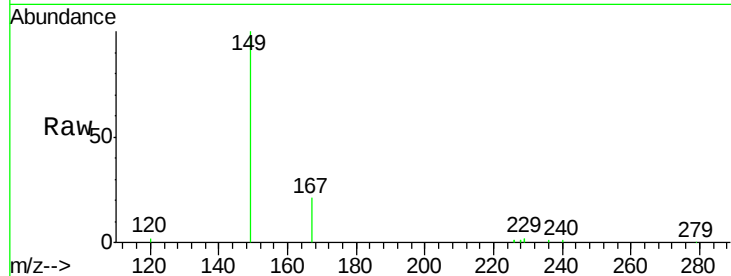




#29
 Bis(2-ethylhexyl)phthalate
 Concen: 4.76 ng
 RT: 21.63 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: BE092486.D
 Acq: 31 Oct 2016 19:06

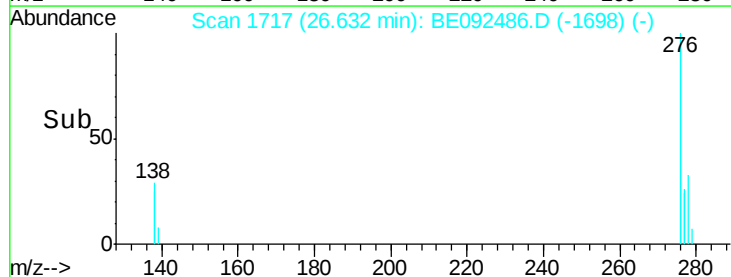
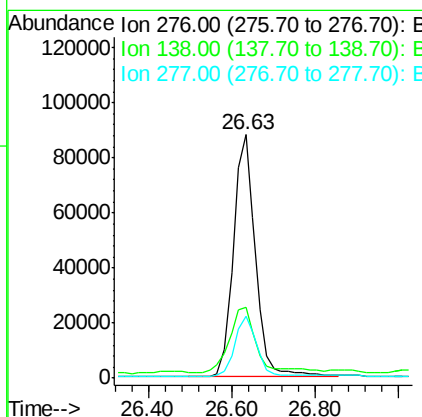
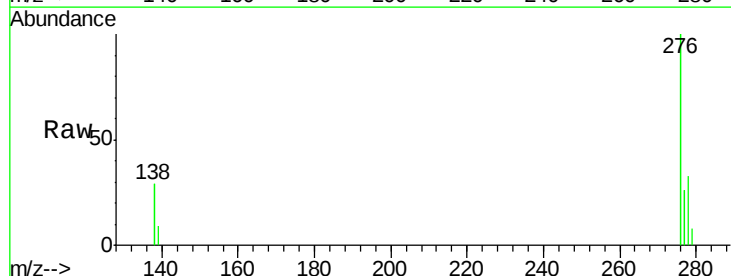
Instrument :
 BNA_E
 ClientSampleId :
 WOOLSTON-TS-004MS

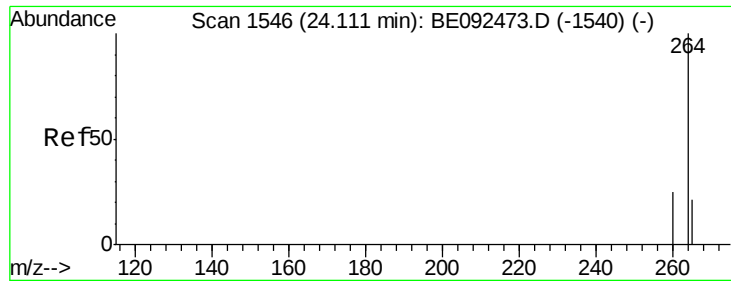
Tgt Ion:149 Resp: 50445
 Ion Ratio Lower Upper
 149 100
 167 24.1 16.0 24.0#
 279 0.0 16.0 24.0#



#30
 Indeno(1,2,3-cd)pyrene
 Concen: 3.94 ng
 RT: 26.63 min Scan# 1717
 Delta R.T. 0.02 min
 Lab File: BE092486.D
 Acq: 31 Oct 2016 19:06

Tgt Ion:276 Resp: 324247
 Ion Ratio Lower Upper
 276 100
 138 33.1 20.3 30.5#
 277 24.6 19.7 29.5

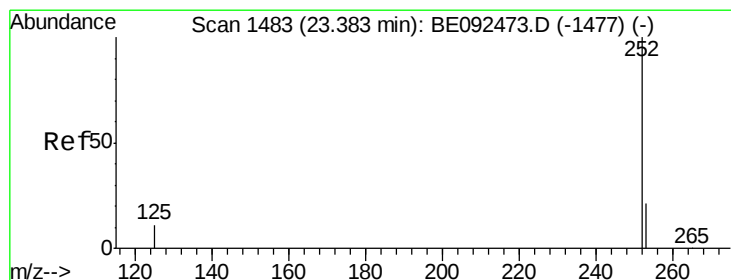
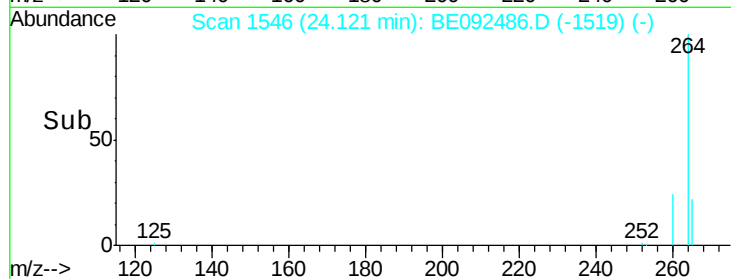
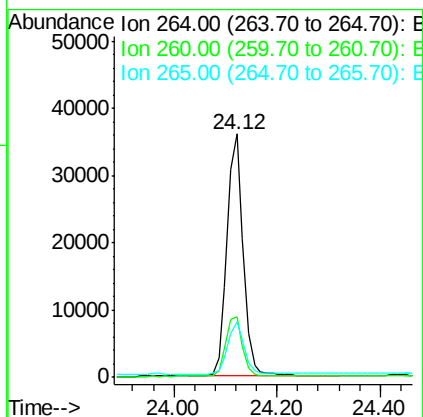
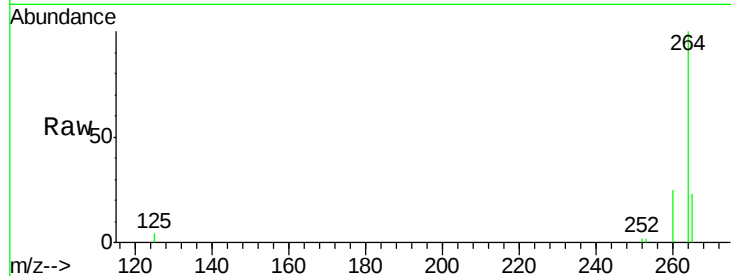




#31
Perylene-d12
 Concen: 5.00 ng
 RT: 24.12 min Scan# 1546
 Delta R.T. 0.01 min
 Lab File: BE092486.D
 Acq: 31 Oct 2016 19:06

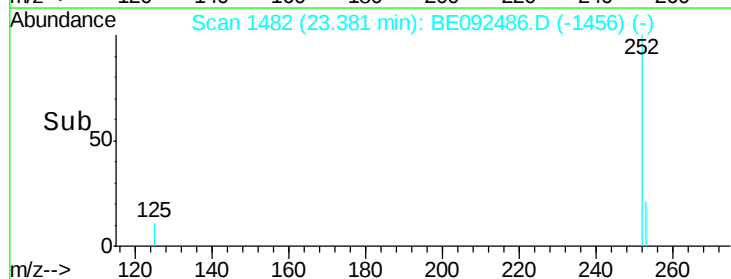
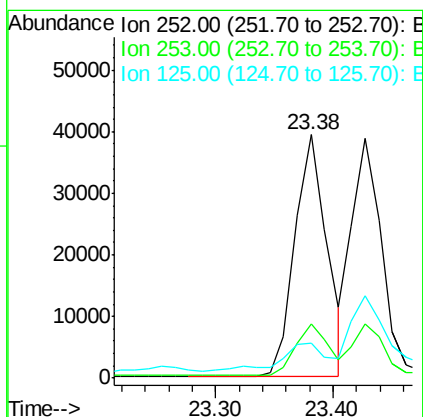
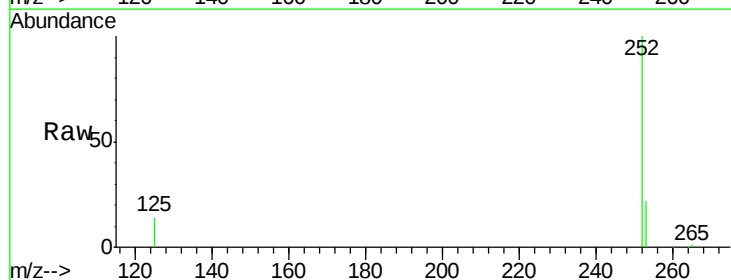
Instrument :
 BNA_E
 ClientSampleId :
 WOOLSTON-TS-004MS

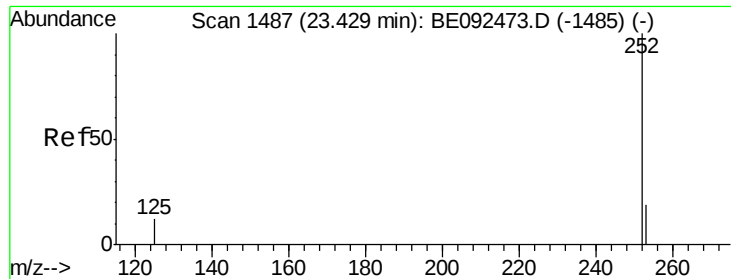
Tgt Ion: 264 Resp: 79776
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.1 30.1
 265 23.0 17.9 26.9



#32
Benzo(b)fluoranthene
 Concen: 3.77 ng
 RT: 23.38 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: BE092486.D
 Acq: 31 Oct 2016 19:06

Tgt Ion: 252 Resp: 74984
 Ion Ratio Lower Upper
 252 100
 253 22.3 18.7 28.1
 125 14.4 10.5 15.7





#33

Benzo(k)fluoranthene

Concen: 3.81 ng

RT: 23.38 min Scan# 1482

Delta R.T. -0.05 min

Lab File: BE092486.D

Acq: 31 Oct 2016 19:06

Instrument :

BNA_E

ClientSampleId :

WOOLSTON-TS-004MS

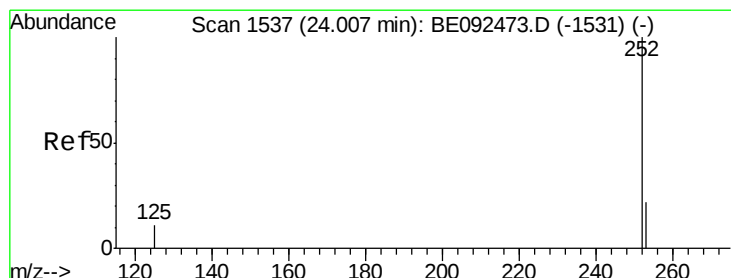
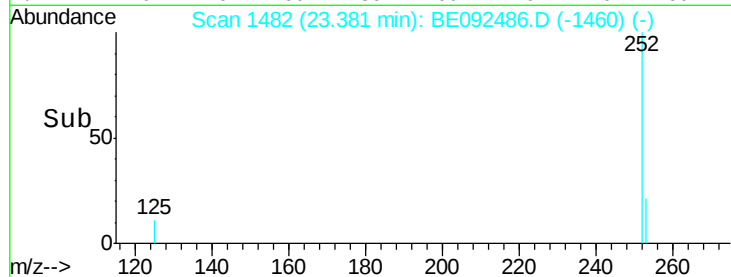
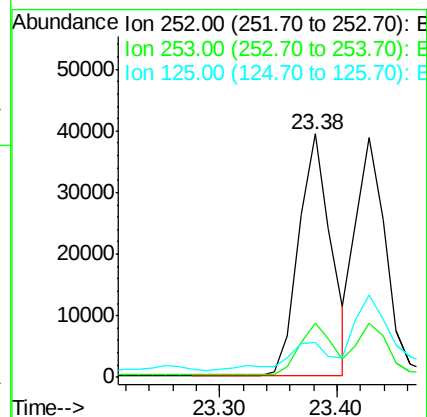
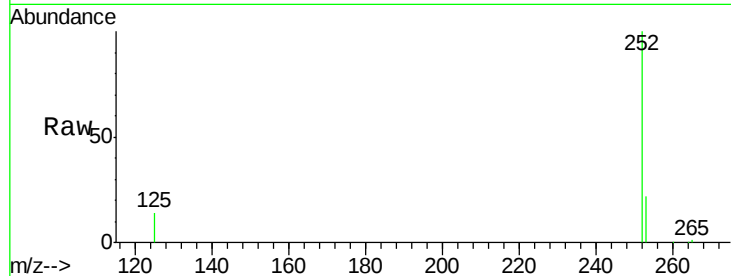
Tgt Ion:252 Resp: 74984

Ion Ratio Lower Upper

252 100

253 22.3 20.3 30.5

125 14.4 9.6 14.4



#34

Benzo(a)pyrene

Concen: 4.06 ng

RT: 24.01 min Scan# 1536

Delta R.T. -0.00 min

Lab File: BE092486.D

Acq: 31 Oct 2016 19:06

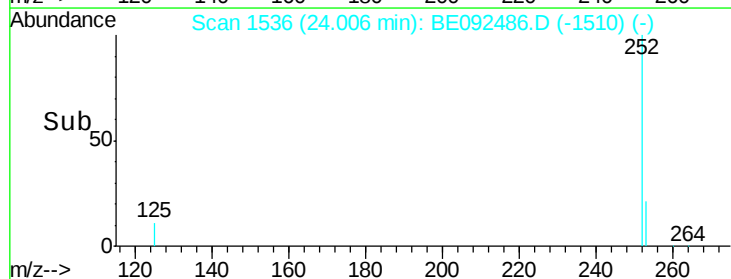
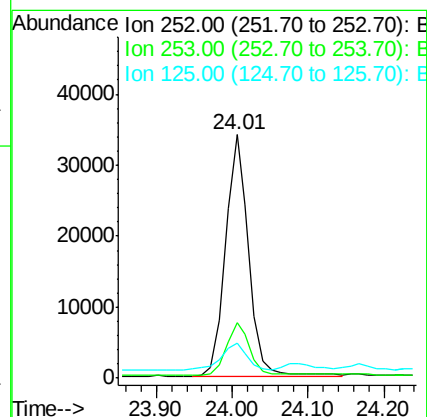
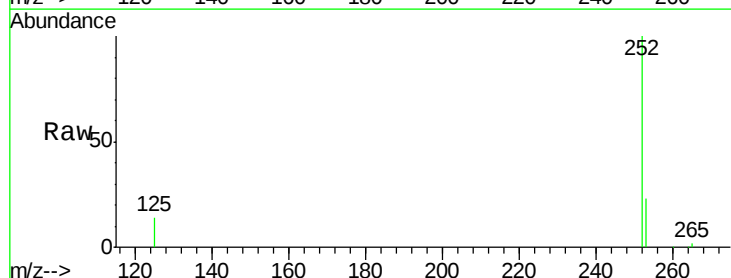
Tgt Ion:252 Resp: 72986

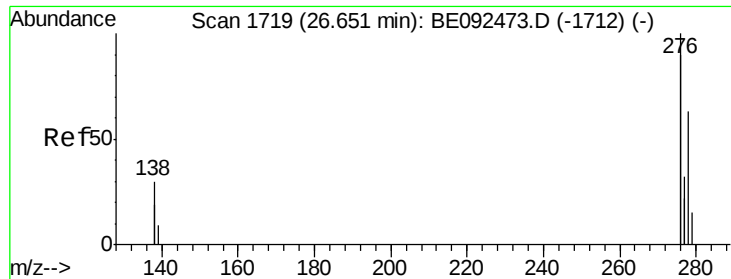
Ion Ratio Lower Upper

252 100

253 22.6 19.0 28.6

125 14.3 11.8 17.8

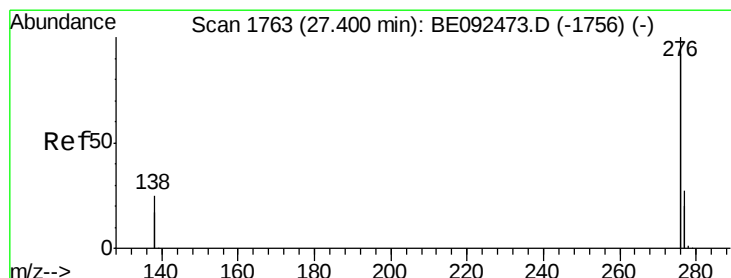
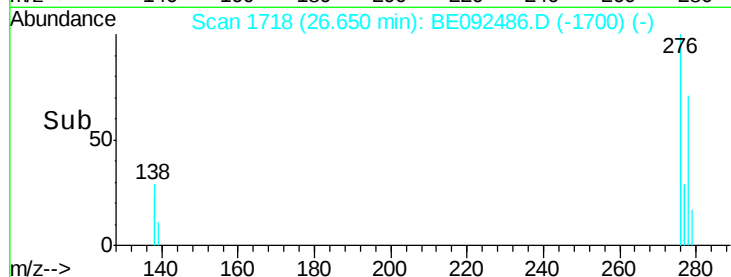
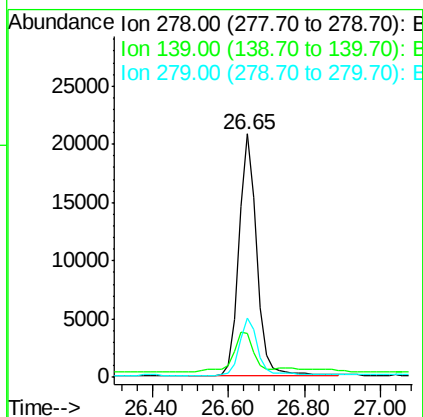
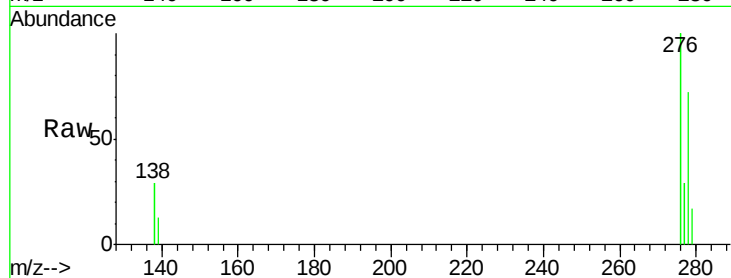




#35
Dibenzo(a,h)anthracene
Concen: 4.09 ng
RT: 26.65 min Scan# 1718
Delta R.T. -0.00 min
Lab File: BE092486.D
Acq: 31 Oct 2016 19:06

Instrument :
BNA_E
ClientSampleId :
WOOLSTON-TS-004MS

Tgt Ion: 278 Resp: 68734
Ion Ratio Lower Upper
278 100
139 17.8 13.8 20.8
279 24.4 21.4 32.2



#36
Benzo(g,h,i)perylene
Concen: 3.78 ng
RT: 27.42 min Scan# 1763
Delta R.T. 0.02 min
Lab File: BE092486.D
Acq: 31 Oct 2016 19:06

Tgt Ion: 276 Resp: 273922
Ion Ratio Lower Upper
276 100
277 26.3 19.8 29.8
138 23.8 19.8 29.6

