

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090916\
 Data File : BE092362.D
 Acq On : 9 Sep 2016 19:37
 Operator : UM/SJ
 Sample : PB93333BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB93333BS

Quant Time: Sep 10 02:08:58 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 02 19:34:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	11874	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	52888	5.00	ng	0.00
12) Acenaphthene-d10	14.81	164	28083	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	55067	5.00	ng	0.00
24) Chrysene-d12	21.75	240	58603	5.00	ng	0.00
31) Perylene-d12	24.10	264	54557	5.00	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.68	112	19128	6.78	ng	0.00
5) Phenol-d6	7.34	99	26150	6.94	ng	-0.02
8) Nitrobenzene-d5	9.34	82	11638	3.06	ng	-0.02
13) 2,4,6-Tribromophenol	16.31	330	5680	6.53	ng	-0.01
14) 2-Fluorobiphenyl	13.43	172	26562	3.08	ng	-0.01
26) Terphenyl-d14	20.17	244	29862	3.45	ng	0.00

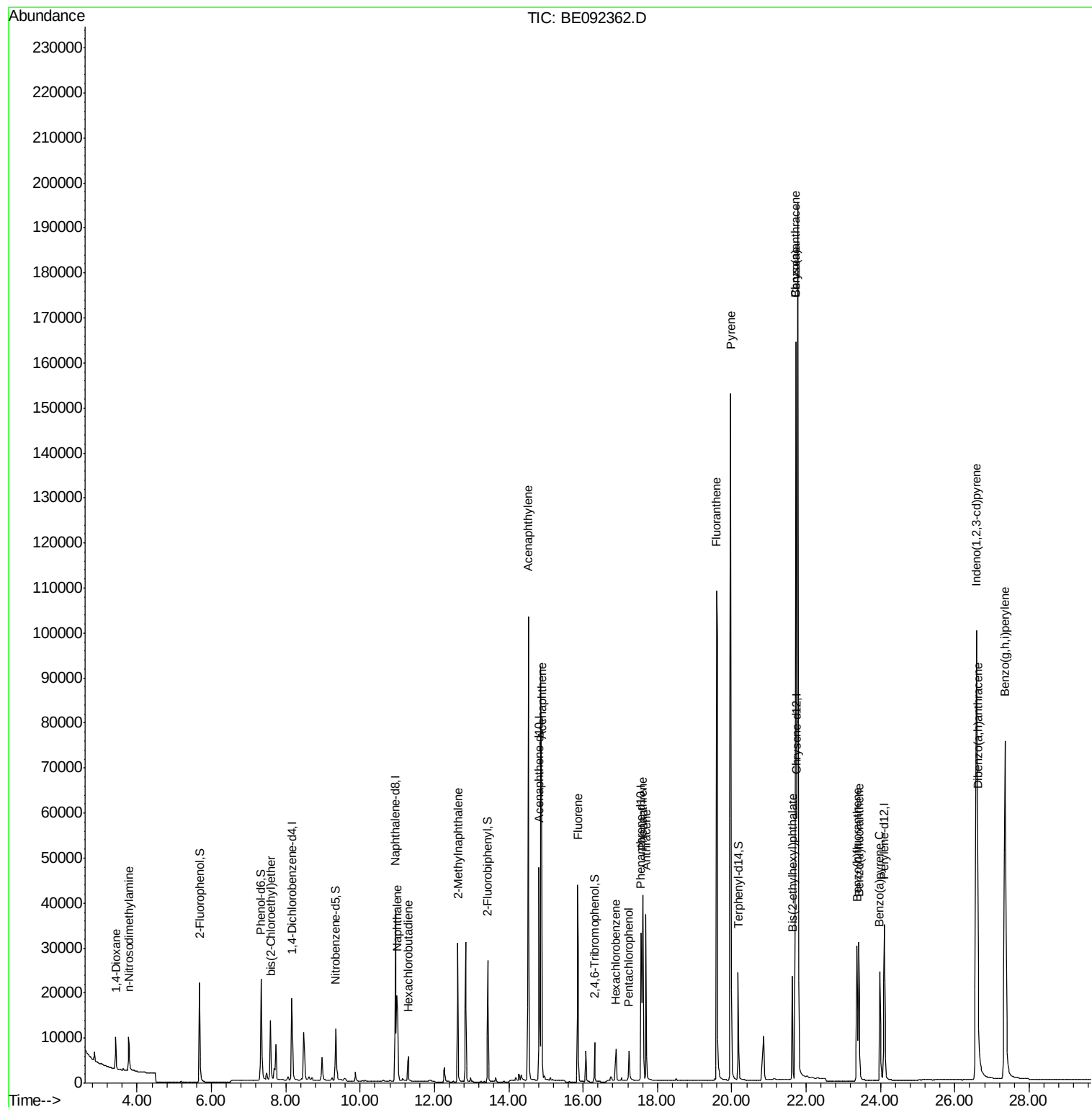
Target Compounds						Qvalue
2) 1,4-Dioxane	3.42	88	4028	2.73	ng	# 83
3) n-Nitrosodimethylamine	3.77	42	6325	3.37	ng	# 99
6) bis(2-Chloroethyl)ether	7.59	93	10788	3.01	ng	93
9) Naphthalene	10.99	128	33857	2.86	ng	# 95
10) Hexachlorobutadiene	11.30	225	5268	2.85	ng	99
11) 2-Methylnaphthalene	12.62	142	23341	3.01	ng	95
15) Acenaphthylene	14.53	152	141590	2.93	ng	100
16) Acenaphthene	14.88	154	21609	2.76	ng	93
17) Fluorene	15.86	166	27625	2.81	ng	99
19) Hexachlorobenzene	16.89	284	8260	3.13	ng	# 62
20) Pentachlorophenol	17.23	266	5544	4.88	ng	86
21) Phenanthrene	17.60	178	47649	3.08	ng	# 95
22) Anthracene	17.69	178	45227	3.28	ng	100
23) Fluoranthene	19.59	202	184942	2.74	ng	99
25) Pyrene	19.97	202	192648	3.38	ng	99
27) Benzo(a)anthracene	21.72	228	179941	2.85	ng	# 80
28) Chrysene	21.72	228	179941	3.04	ng	# 62
29) Bis(2-ethylhexyl)phthalate	21.63	149	26338	2.98	ng	# 75
30) Indeno(1,2,3-cd)pyrene	26.58	276	217773	3.27	ng	98
32) Benzo(b)fluoranthene	23.37	252	45604	3.26	ng	# 96
33) Benzo(k)fluoranthene	23.42	252	42843	2.89	ng	94
34) Benzo(a)pyrene	23.98	252	43063	3.12	ng	94
35) Dibenzo(a,h)anthracene	26.62	278	45370	3.55	ng	# 94
36) Benzo(g,h,i)perylene	27.35	276	188641	3.51	ng	97

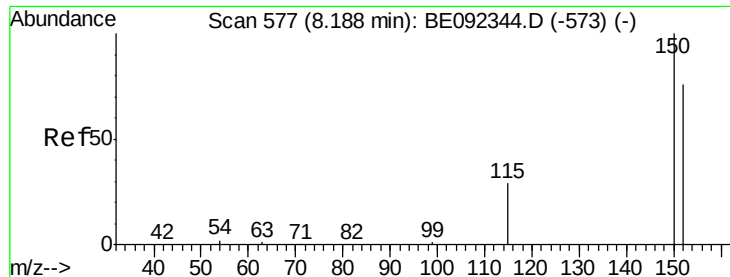
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.16 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092362.D

Acq: 9 Sep 2016 19:37

Instrument :

BNA_E

ClientSampleId :

PB93333BS

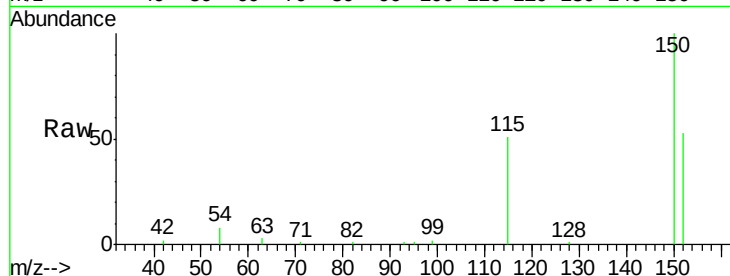
Tgt Ion:152 Resp: 11874

Ion Ratio Lower Upper

152 100

150 187.7 106.0 159.0#

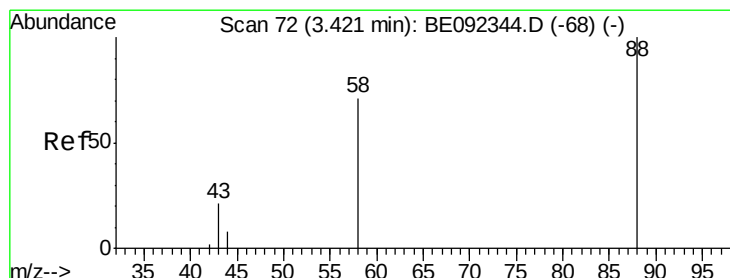
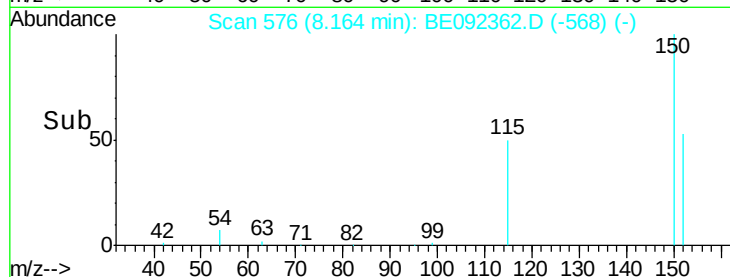
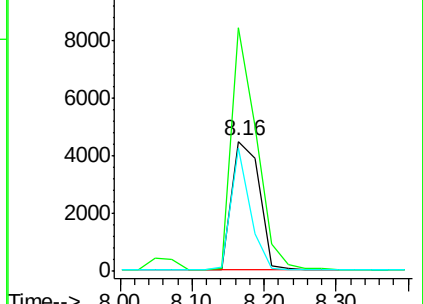
115 95.2 31.2 46.8#



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: 2.73 ng

RT: 3.42 min Scan# 72

Delta R.T. 0.00 min

Lab File: BE092362.D

Acq: 9 Sep 2016 19:37

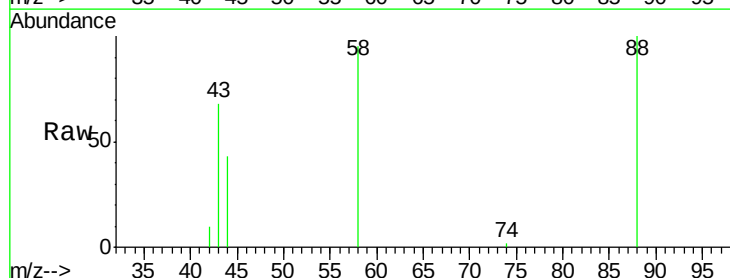
Tgt Ion: 88 Resp: 4028

Ion Ratio Lower Upper

88 100

58 90.7 63.6 95.4

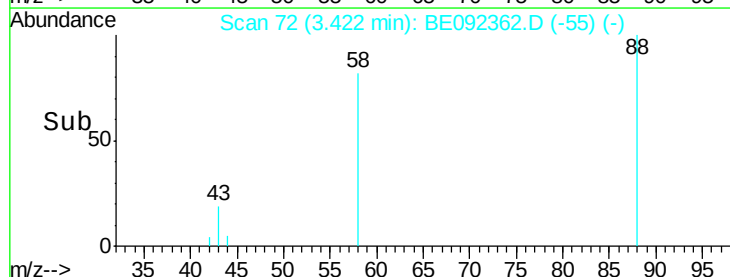
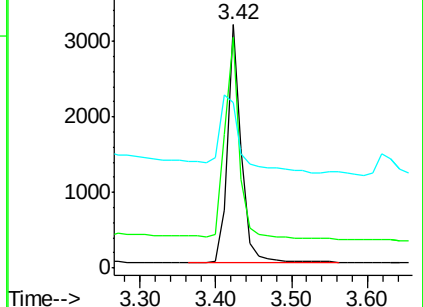
43 50.5 28.0 42.0#

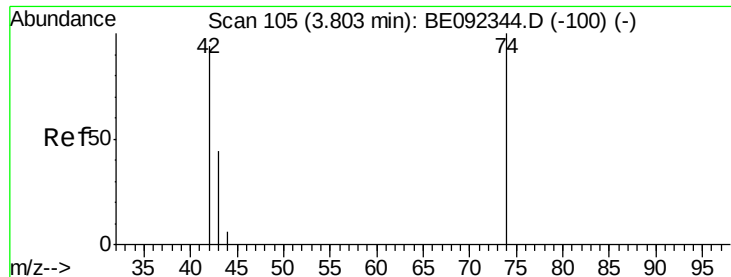


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.37 ng

RT: 3.77 min Scan# 102

Delta R.T. -0.03 min

Lab File: BE092362.D

Acq: 9 Sep 2016 19:37

Instrument :

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PB93333BS

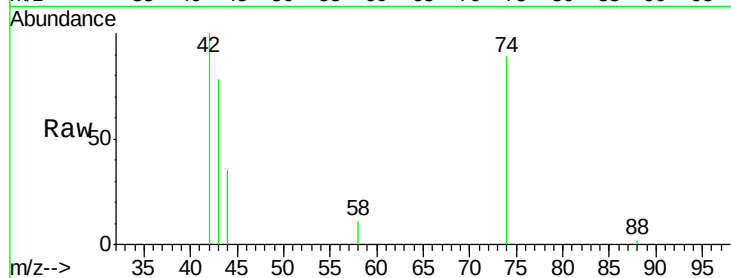
Tgt Ion: 42 Resp: 6325

Ion Ratio Lower Upper

42 100

74 106.8 86.0 129.0

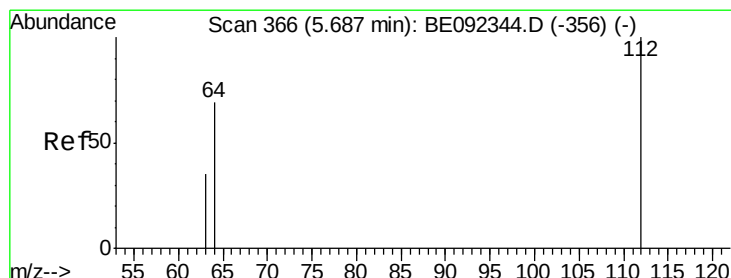
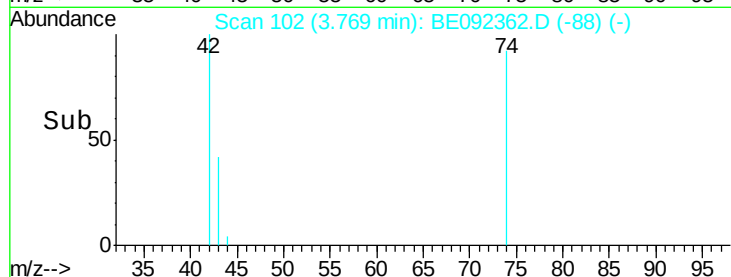
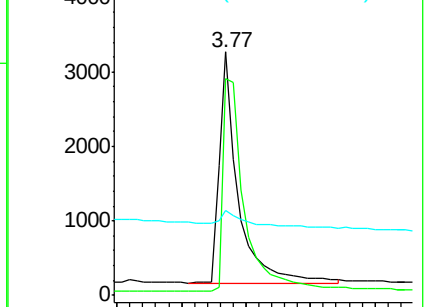
44 11.3 5.1 7.7#



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: 6.78 ng

RT: 5.68 min Scan# 365

Delta R.T. -0.01 min

Lab File: BE092362.D

Acq: 9 Sep 2016 19:37

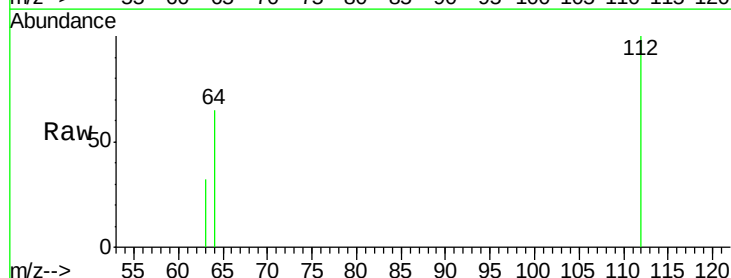
Tgt Ion: 112 Resp: 19128

Ion Ratio Lower Upper

112 100

64 67.6 53.5 80.3

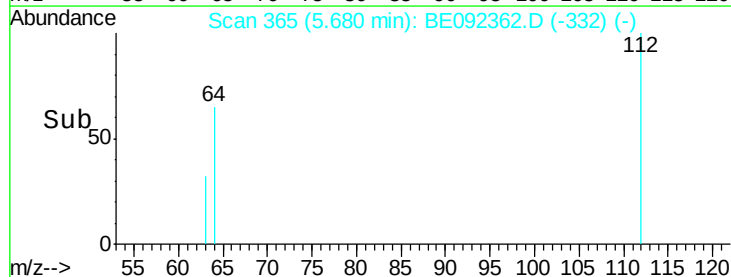
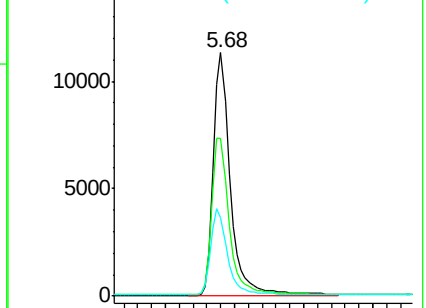
63 35.9 27.9 41.9

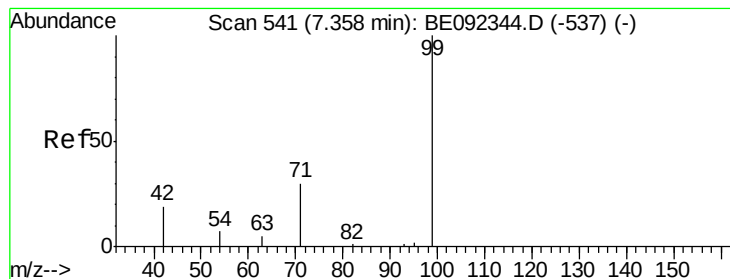


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 6.94 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092362.D

Acq: 9 Sep 2016 19:37

Instrument :

BNA_E

ClientSampleId :

PB93333BS

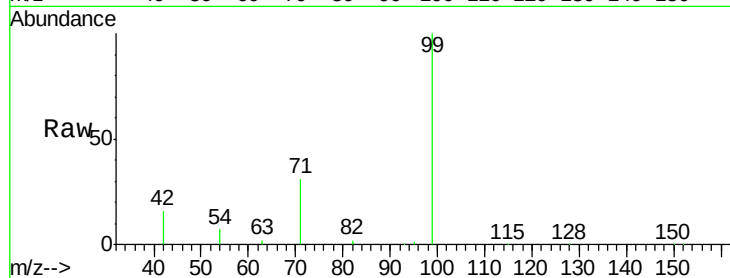
Tgt Ion: 99 Resp: 26150

Ion Ratio Lower Upper

99 100

42 23.2 16.0 24.0

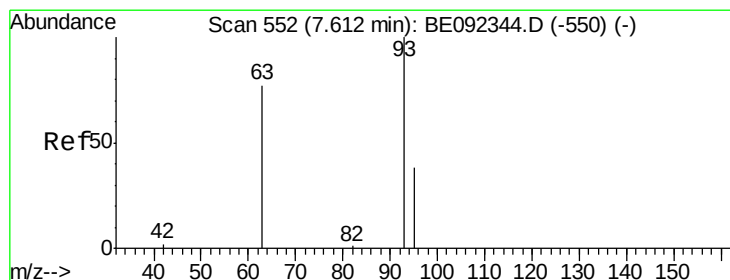
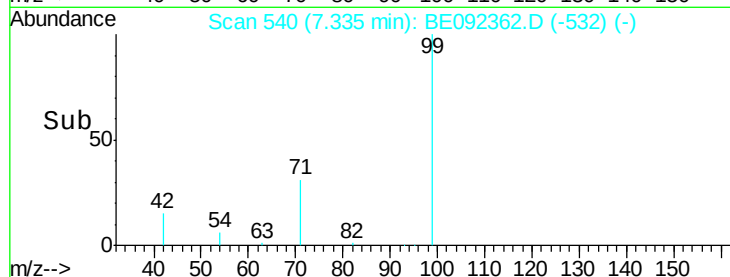
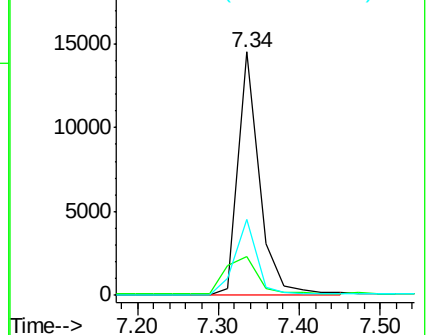
71 32.9 30.6 45.8



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: 3.01 ng

RT: 7.59 min Scan# 551

Delta R.T. -0.02 min

Lab File: BE092362.D

Acq: 9 Sep 2016 19:37

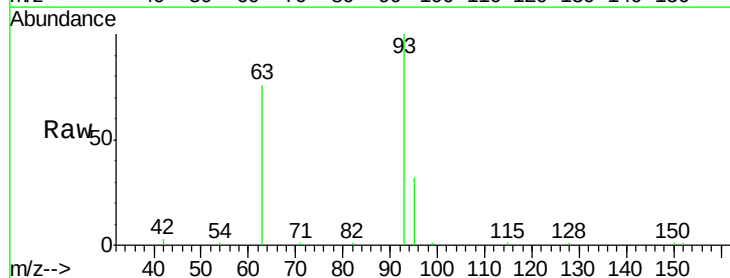
Tgt Ion: 93 Resp: 10788

Ion Ratio Lower Upper

93 100

63 82.1 71.6 107.4

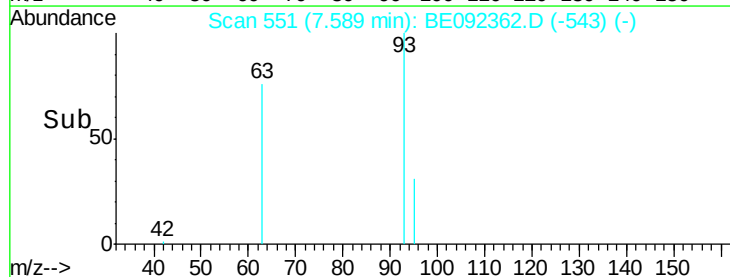
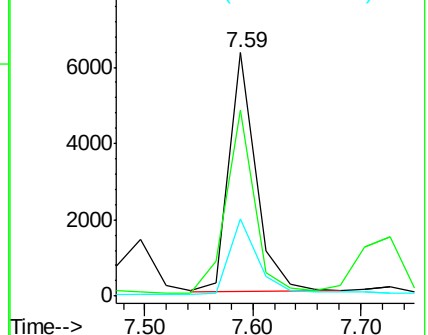
95 33.4 24.0 36.0

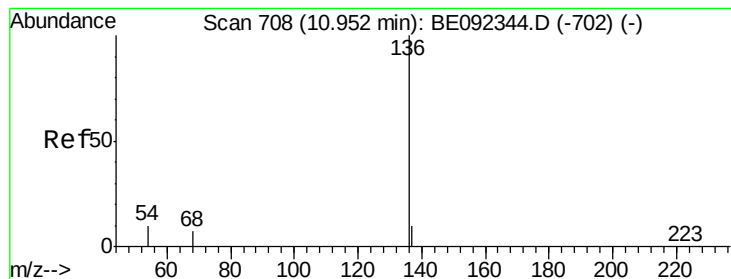


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE092362.D

Acq: 9 Sep 2016 19:37

Instrument :

BNA_E

ClientSampleId :

PB93333BS

Tgt Ion:136 Resp: 52888

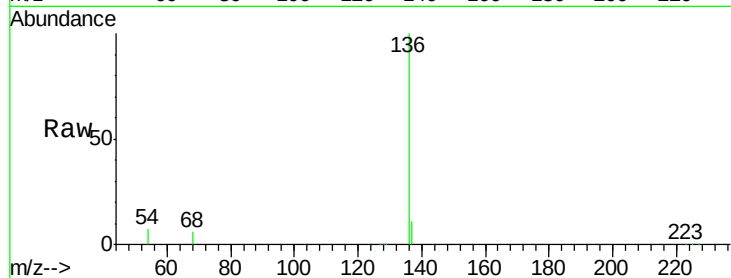
Ion Ratio Lower Upper

136 100

137 11.0 8.2 12.4

54 7.4 9.6 14.4#

68 5.7 6.7 10.1#

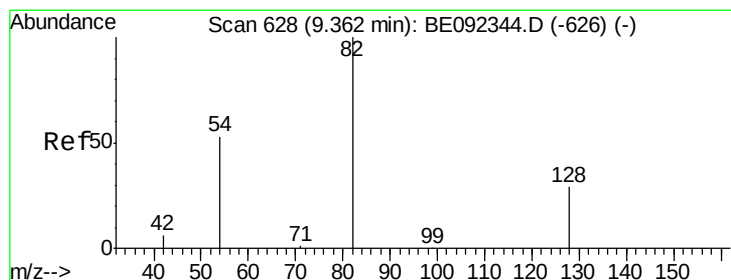
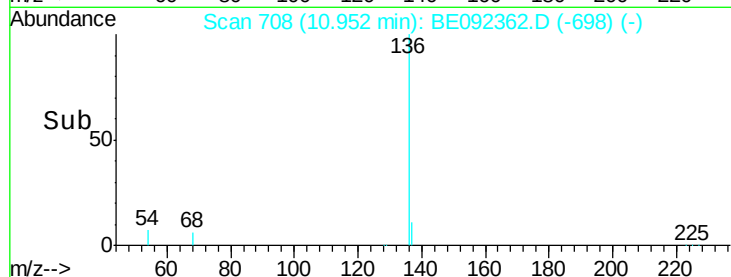
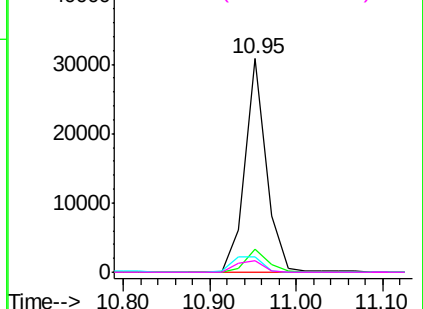


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.06 ng

RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092362.D

Acq: 9 Sep 2016 19:37

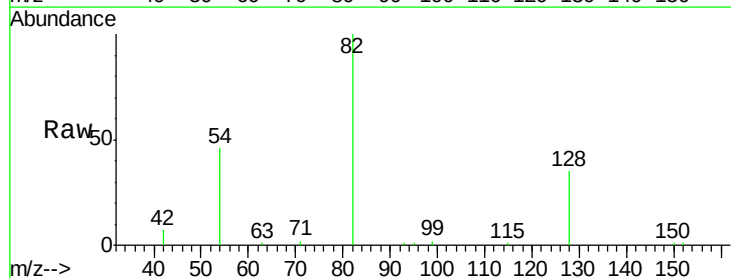
Tgt Ion: 82 Resp: 11638

Ion Ratio Lower Upper

82 100

128 35.0 39.0 58.4#

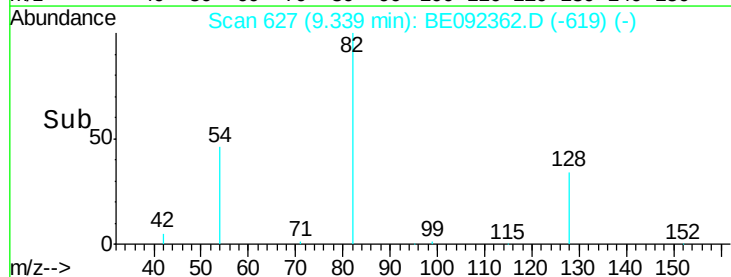
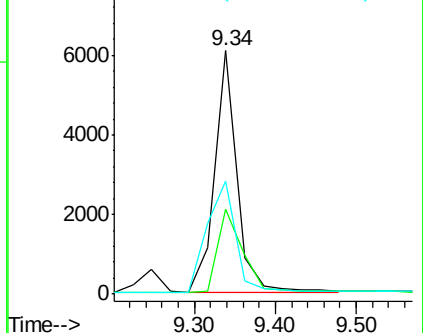
54 46.3 44.8 67.2

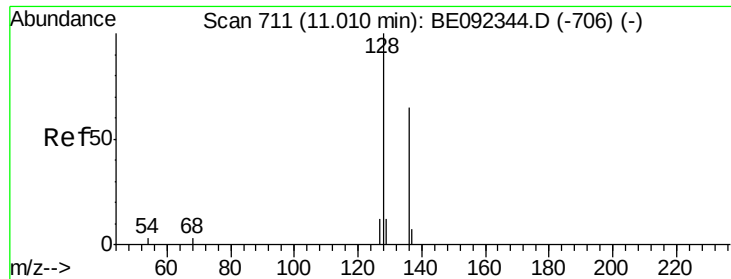


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 2.86 ng

RT: 10.99 min Scan# 710

Delta R.T. -0.02 min

Lab File: BE092362.D

Acq: 9 Sep 2016 19:37

Instrument :

BNA_E

ClientSampleId :

PB93333BS

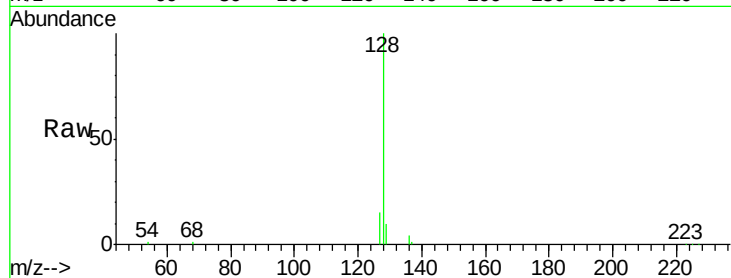
Tgt Ion:128 Resp: 33857

Ion Ratio Lower Upper

128 100

129 10.1 11.2 16.8#

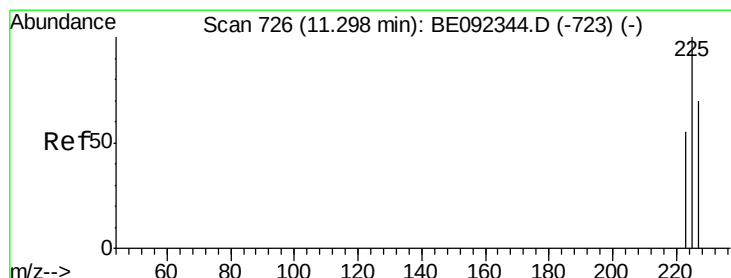
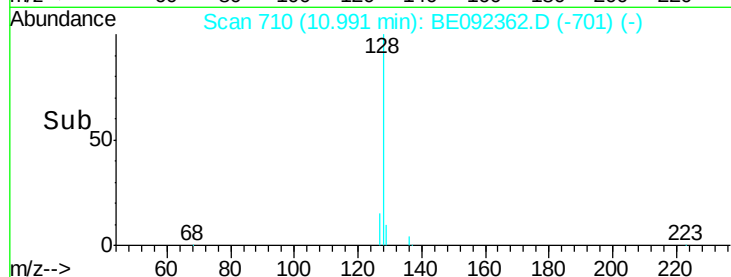
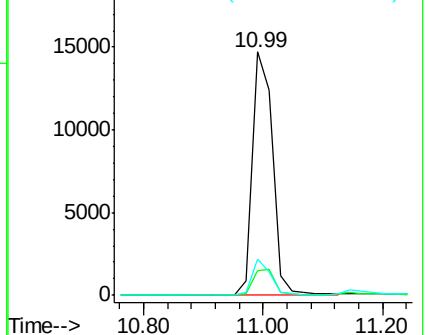
127 14.8 11.6 17.4



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: 2.85 ng

RT: 11.30 min Scan# 726

Delta R.T. 0.00 min

Lab File: BE092362.D

Acq: 9 Sep 2016 19:37

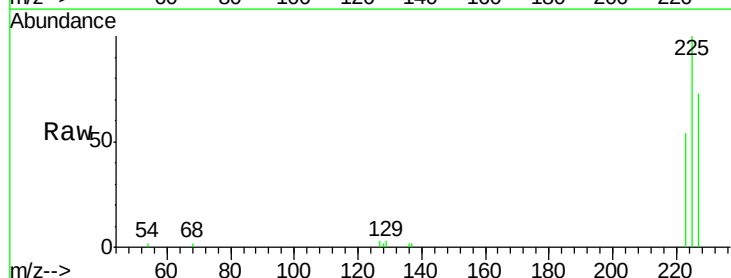
Tgt Ion:225 Resp: 5268

Ion Ratio Lower Upper

225 100

223 63.1 50.6 76.0

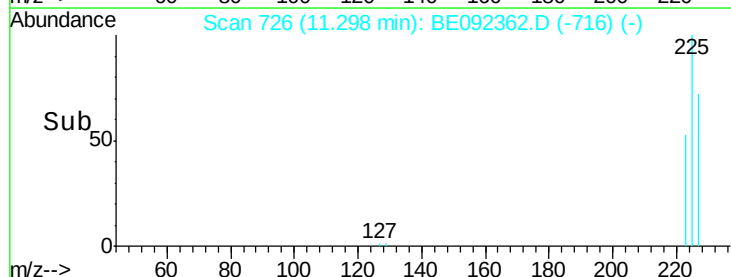
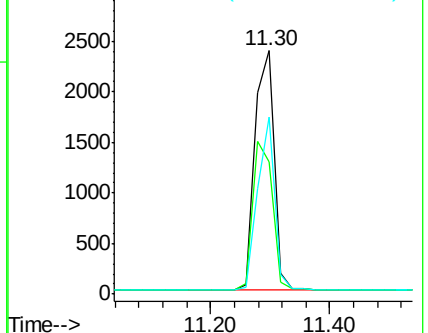
227 63.5 51.4 77.0

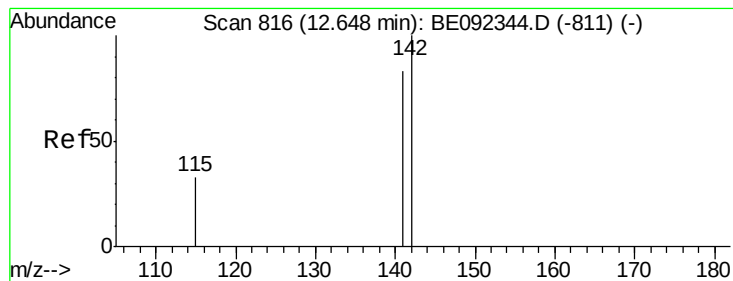


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 3.01 ng

RT: 12.62 min Scan# 814

Delta R.T. -0.02 min

Lab File: BE092362.D

Acq: 9 Sep 2016 19:37

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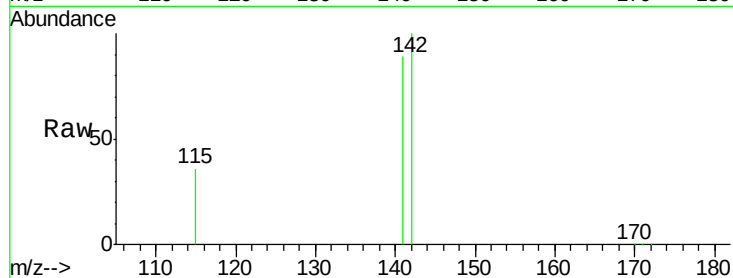
Tgt Ion:142 Resp: 23341

Ion Ratio Lower Upper

142 100

141 89.5 73.7 110.5

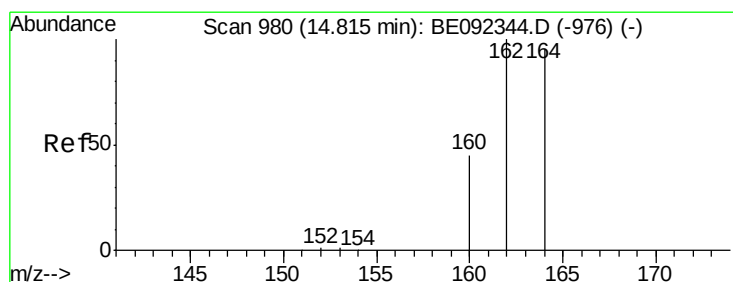
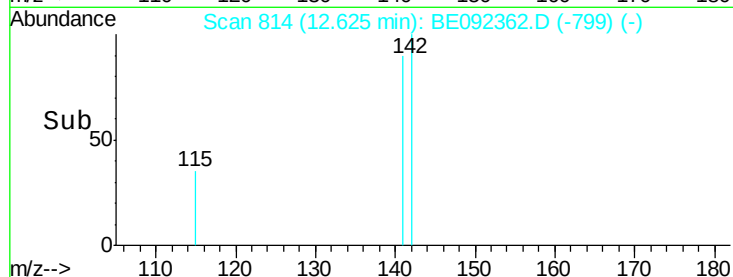
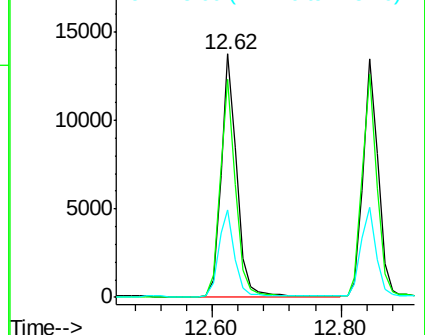
115 35.7 34.0 51.0



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: BE092362.D

Acq: 9 Sep 2016 19:37

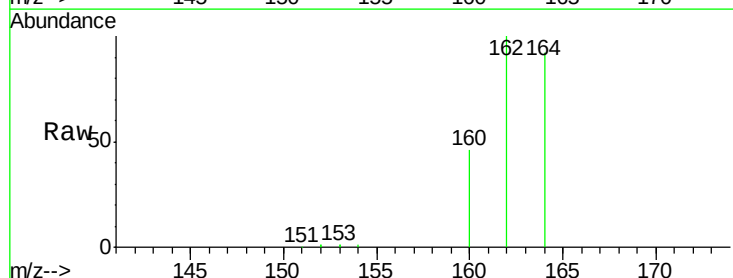
Tgt Ion:164 Resp: 28083

Ion Ratio Lower Upper

164 100

162 108.8 71.4 107.0#

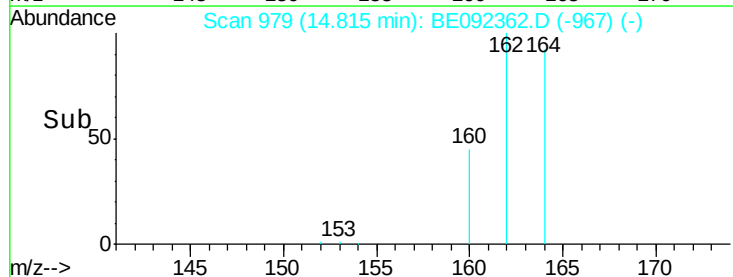
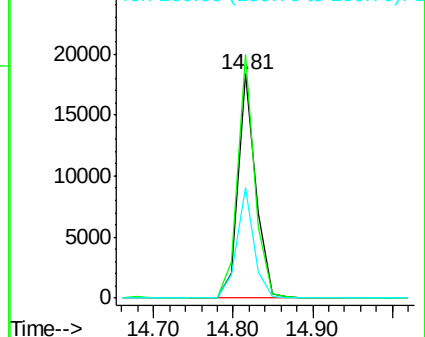
160 49.6 27.4 41.2#

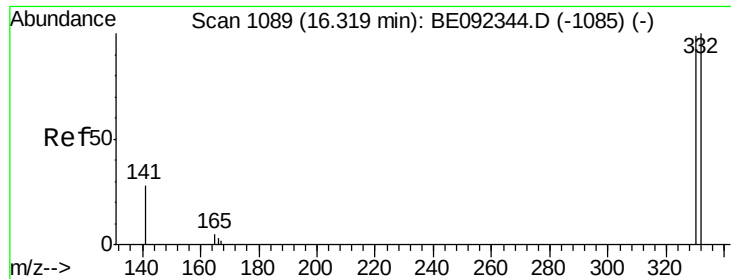


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

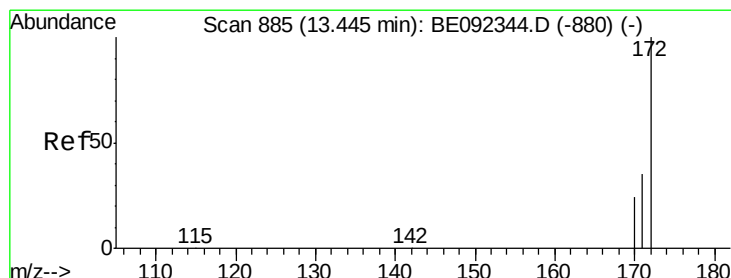
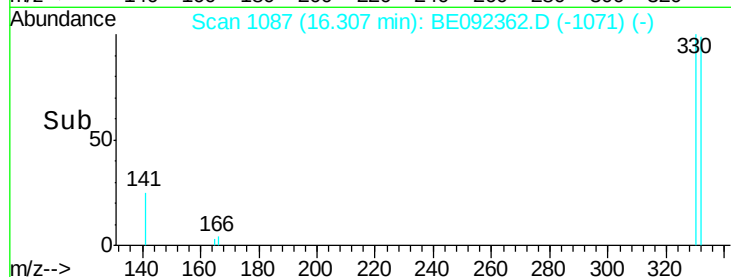
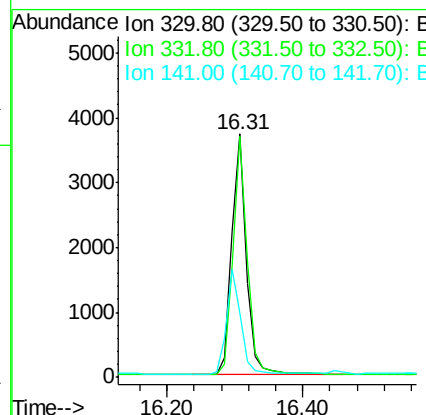
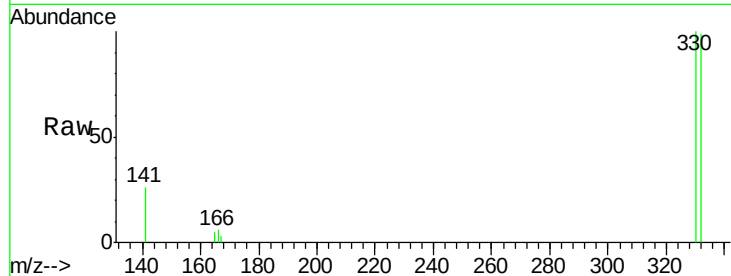




#13
 2,4,6-Tribromophenol
 Concen: 6.53 ng
 RT: 16.31 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BE092362.D
 Acq: 9 Sep 2016 19:37

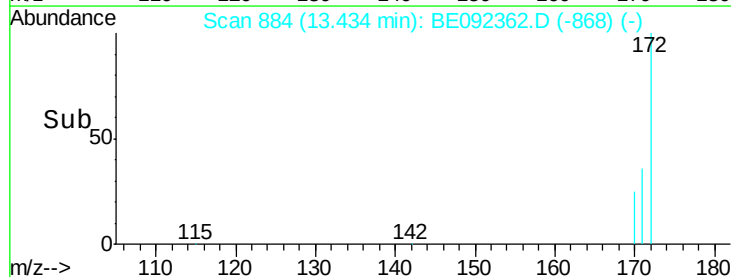
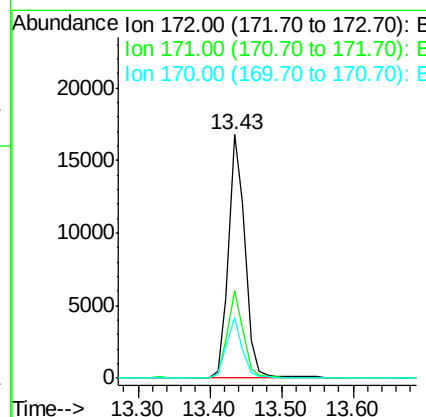
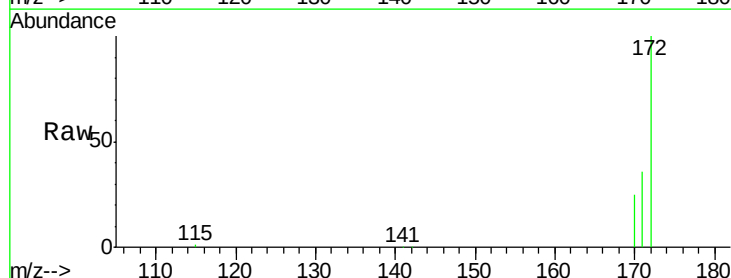
Instrument :
 BNA_E
 ClientSampleId :
 PB93333BS

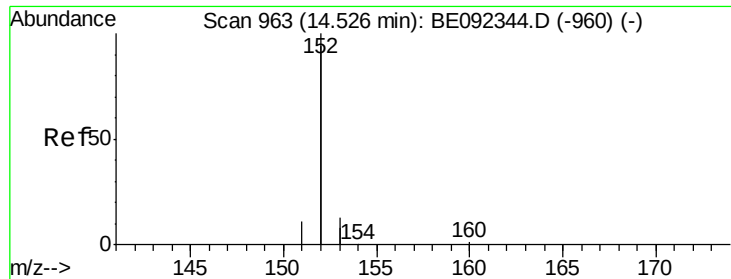
Tgt Ion:330 Resp: 5680
 Ion Ratio Lower Upper
 330 100
 332 97.1 75.4 113.0
 141 42.4 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 3.08 ng
 RT: 13.43 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BE092362.D
 Acq: 9 Sep 2016 19:37

Tgt Ion:172 Resp: 26562
 Ion Ratio Lower Upper
 172 100
 171 35.9 30.1 45.1
 170 24.9 21.8 32.6





#15

Acenaphthylene

Concen: 2.93 ng

RT: 14.53 min Scan# 962

Delta R.T. -0.00 min

Lab File: BE092362.D

Acq: 9 Sep 2016 19:37

Instrument :

BNA_E

ClientSampleId :

PB93333BS

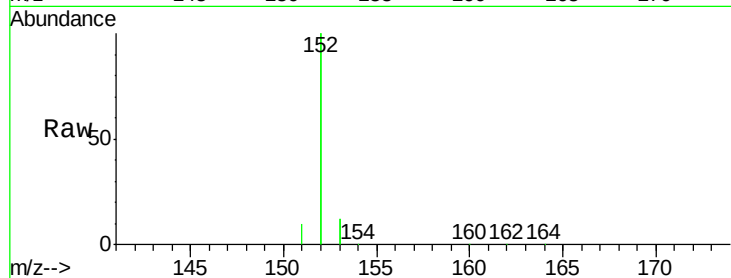
Tgt Ion:152 Resp: 141590

Ion Ratio Lower Upper

152 100

151 5.0 3.9 5.9

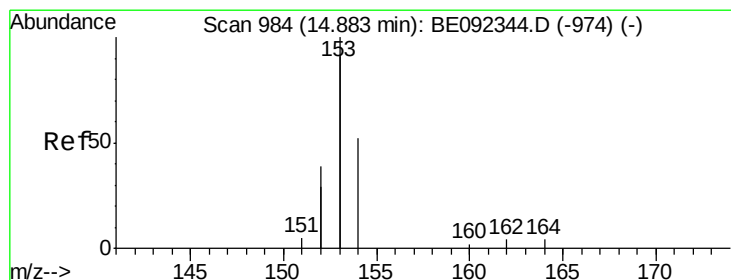
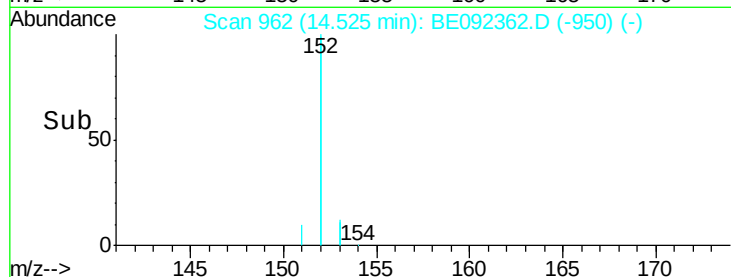
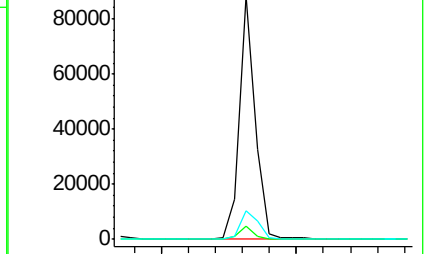
153 13.2 10.4 15.6



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: 2.76 ng

RT: 14.88 min Scan# 983

Delta R.T. -0.00 min

Lab File: BE092362.D

Acq: 9 Sep 2016 19:37

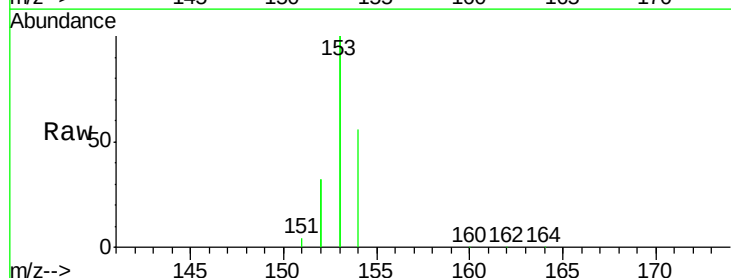
Tgt Ion:154 Resp: 21609

Ion Ratio Lower Upper

154 100

153 456.5 350.8 526.2

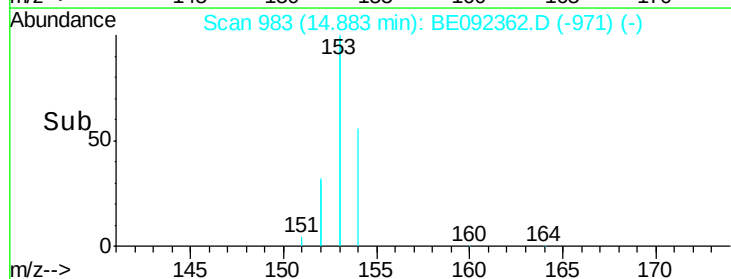
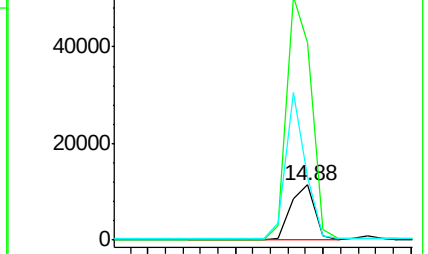
152 225.7 171.1 256.7

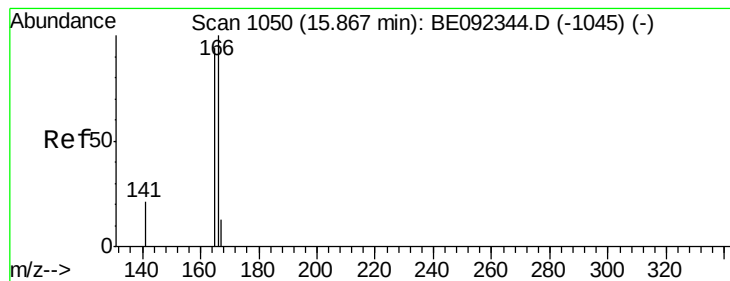


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#17

Fluorene

Concen: 2.81 ng

RT: 15.86 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BE092362.D

Acq: 9 Sep 2016 19:37

Instrument :

BNA_E

ClientSampleId :

PB93333BS

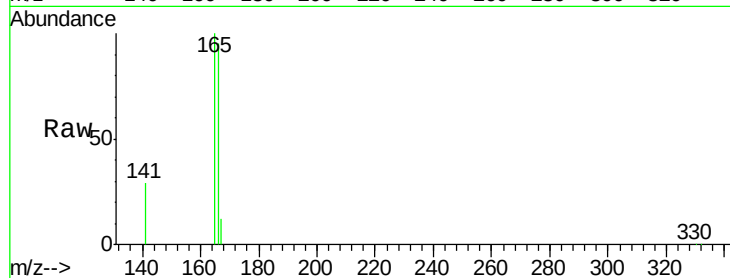
Tgt Ion:166 Resp: 27625

Ion Ratio Lower Upper

166 100

165 98.7 78.2 117.4

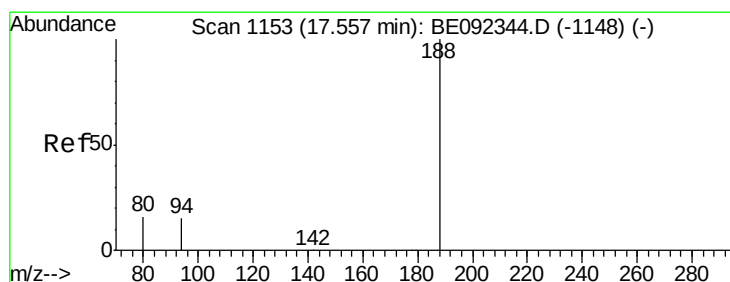
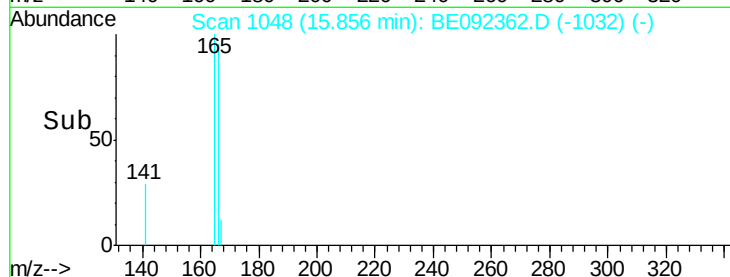
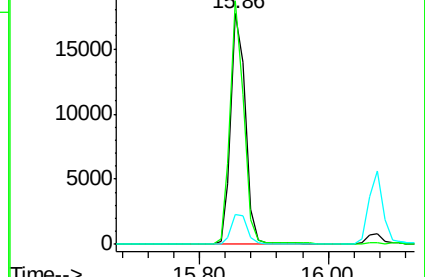
167 13.6 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE092362.D

Acq: 9 Sep 2016 19:37

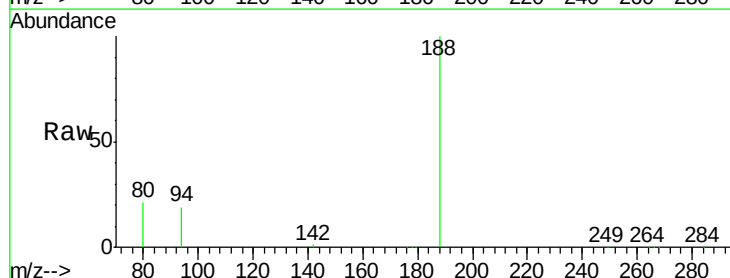
Tgt Ion:188 Resp: 55067

Ion Ratio Lower Upper

188 100

94 19.0 3.2 4.8#

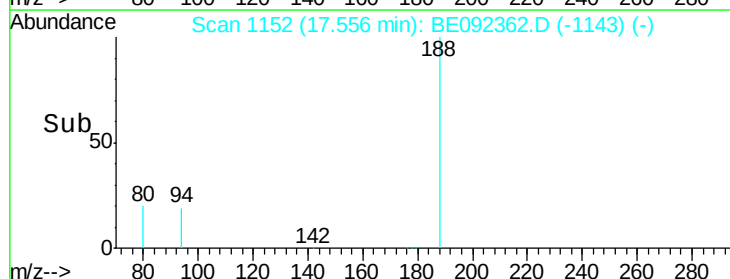
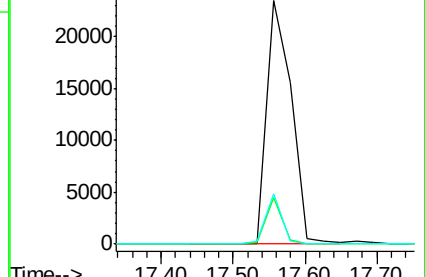
80 20.6 2.6 3.8#

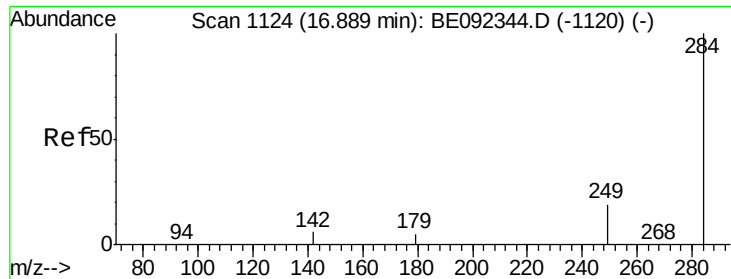


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

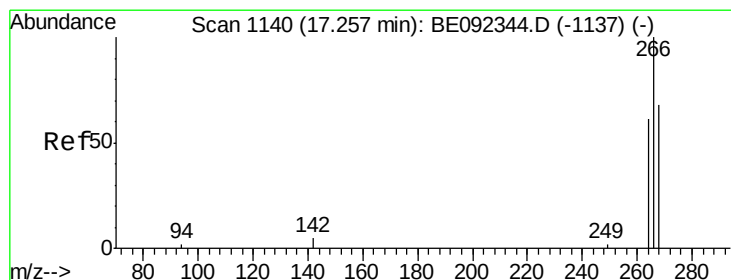
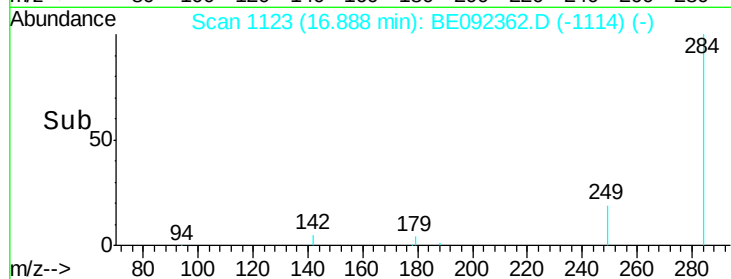
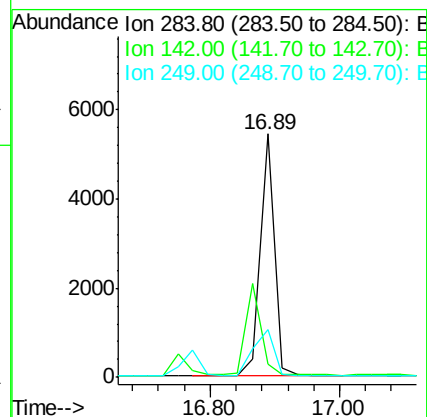
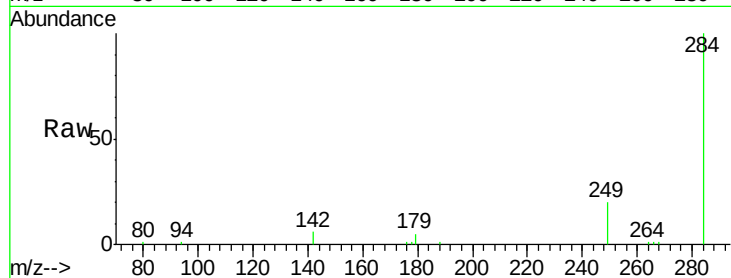




#19
Hexachlorobenzene
Concen: 3.13 ng
RT: 16.89 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092362.D
Acq: 9 Sep 2016 19:37

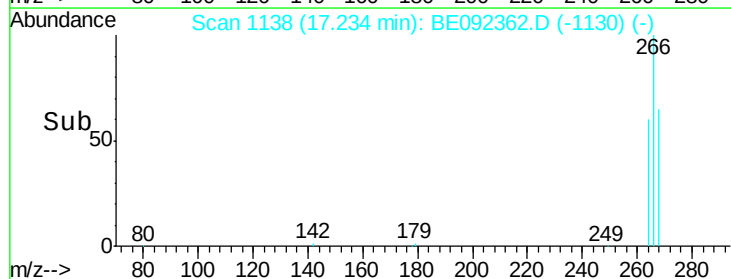
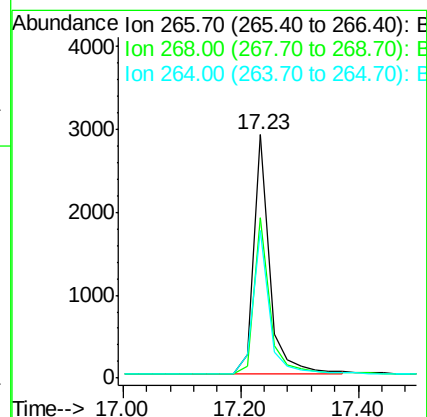
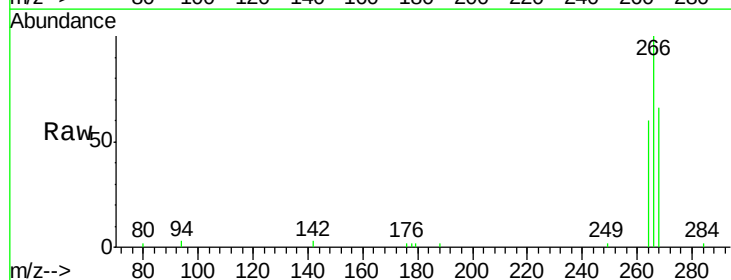
Instrument :
BNA_E
ClientSampleId :
PB93333BS

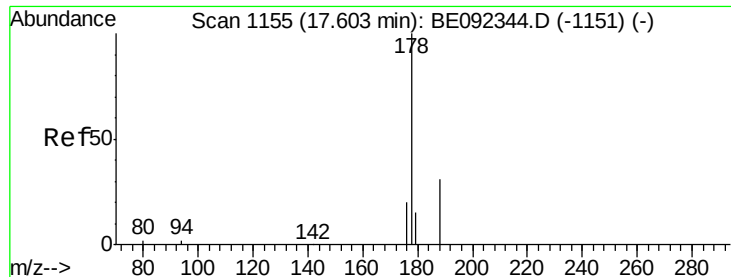
Tgt Ion: 284 Resp: 8260
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 27.5 27.9 41.9#



#20
Pentachlorophenol
Concen: 4.88 ng
RT: 17.23 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BE092362.D
Acq: 9 Sep 2016 19:37

Tgt Ion: 266 Resp: 5544
Ion Ratio Lower Upper
266 100
268 65.7 62.5 93.7
264 60.4 57.2 85.8





#21

Phenanthrene

Concen: 3.08 ng

RT: 17.60 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE092362.D

Acq: 9 Sep 2016 19:37

Instrument :

BNA_E

ClientSampleId :

PB93333BS

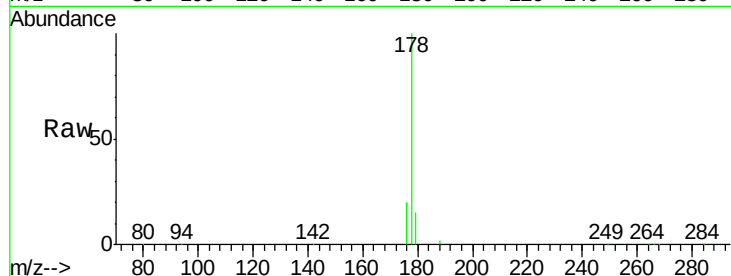
Tgt Ion:178 Resp: 47649

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

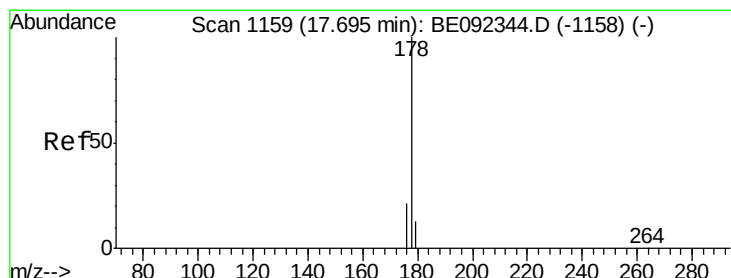
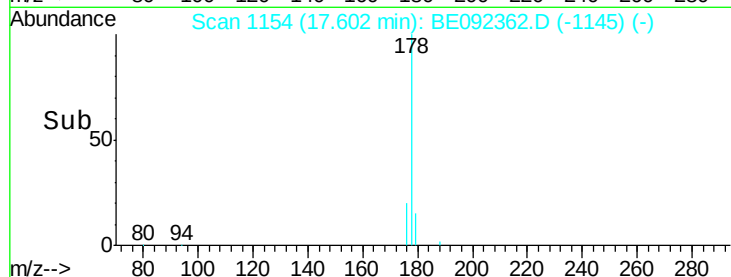
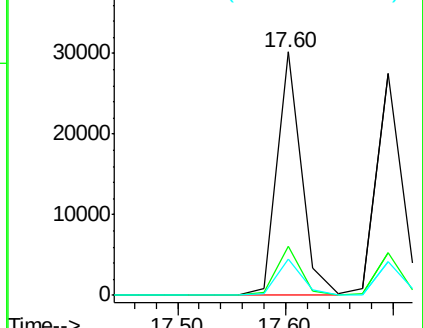
179 15.3 16.0 24.0#



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: 3.28 ng

RT: 17.69 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BE092362.D

Acq: 9 Sep 2016 19:37

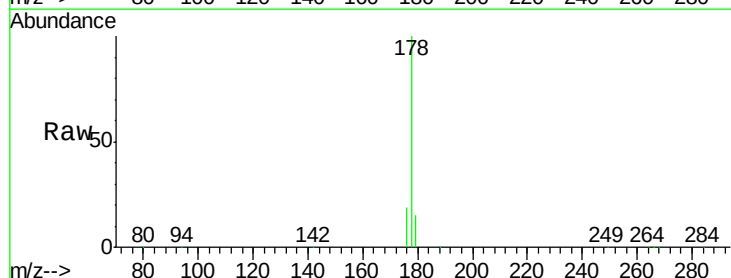
Tgt Ion:178 Resp: 45227

Ion Ratio Lower Upper

178 100

176 18.7 15.0 22.4

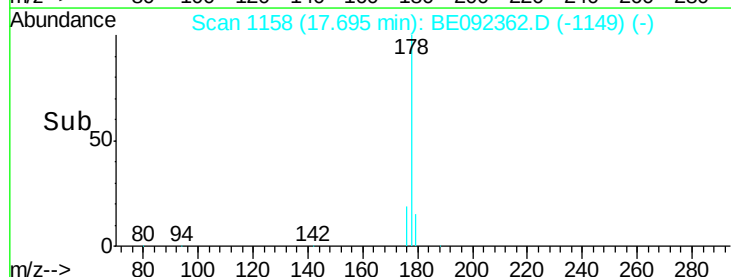
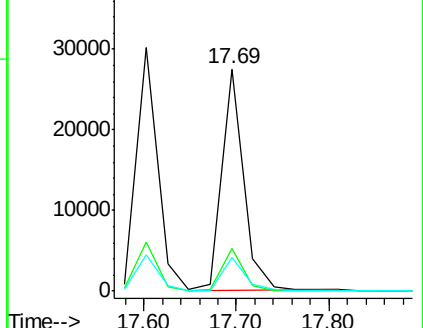
179 15.0 12.2 18.2

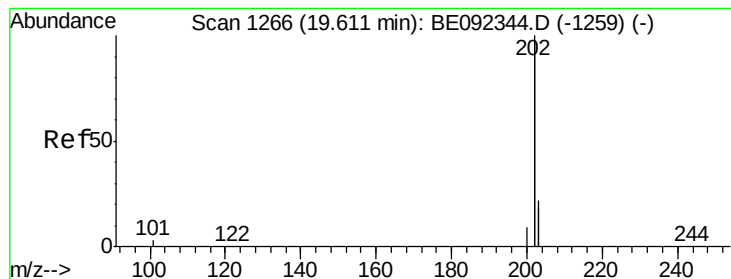


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Fluoranthene

Concen: 2.74 ng

RT: 19.59 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BE092362.D

Acq: 9 Sep 2016 19:37

Instrument :

BNA_E

ClientSampleId :

PB93333BS

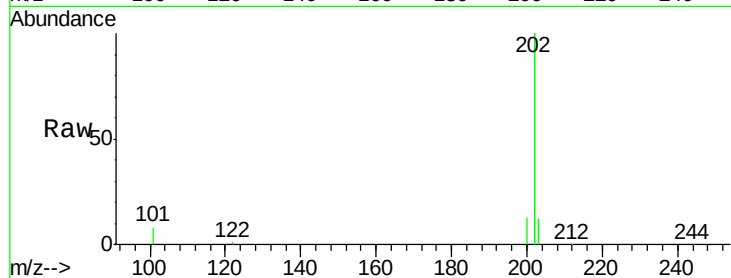
Tgt Ion: 202 Resp: 184942

Ion Ratio Lower Upper

202 100

101 2.9 2.2 3.4

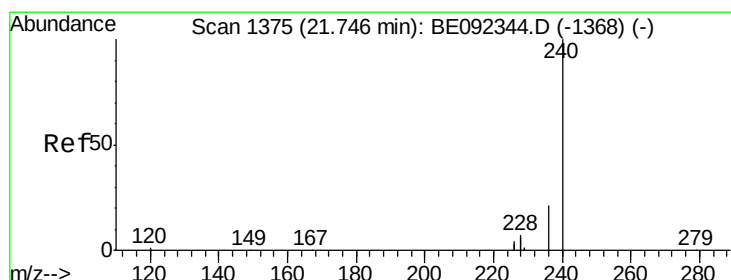
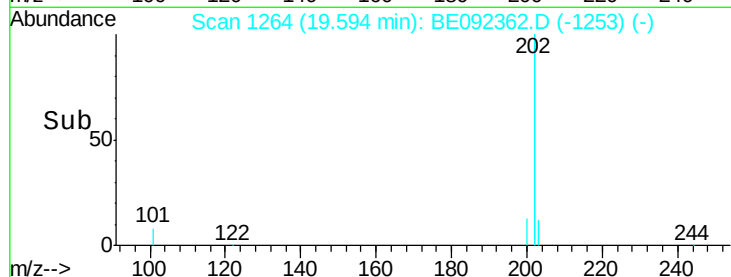
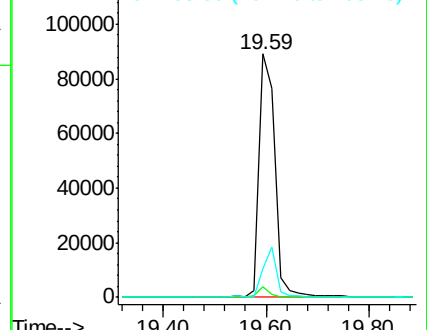
203 17.6 13.7 20.5



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: BE092362.D

Acq: 9 Sep 2016 19:37

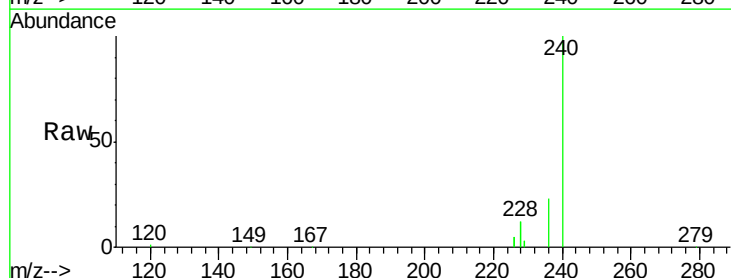
Tgt Ion: 240 Resp: 58603

Ion Ratio Lower Upper

240 100

120 1.0 2.6 4.0#

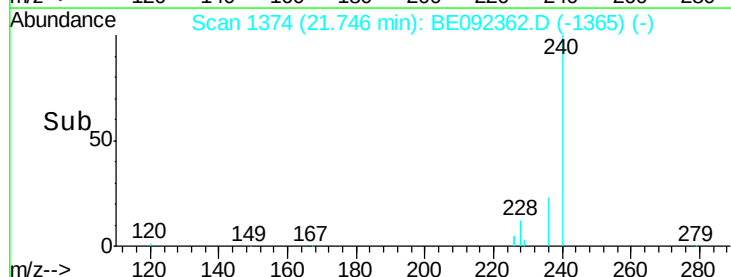
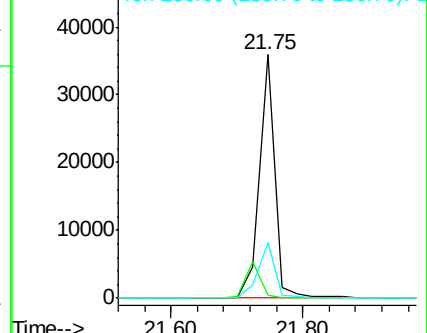
236 23.0 24.6 37.0#

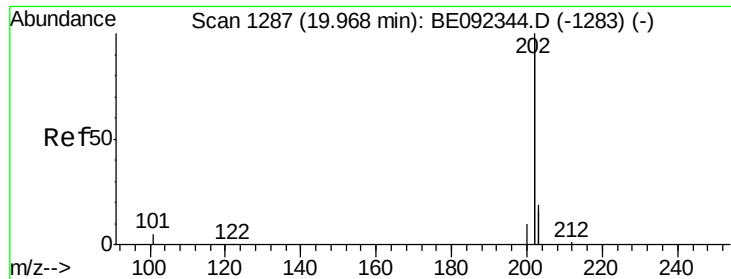


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

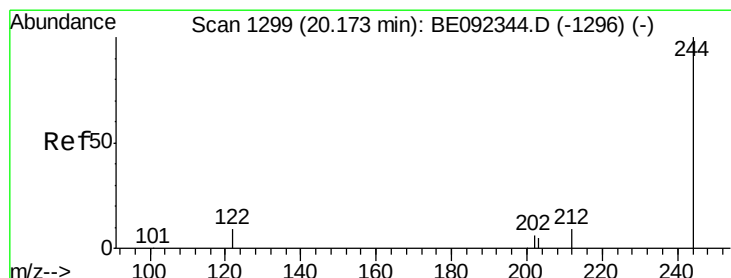
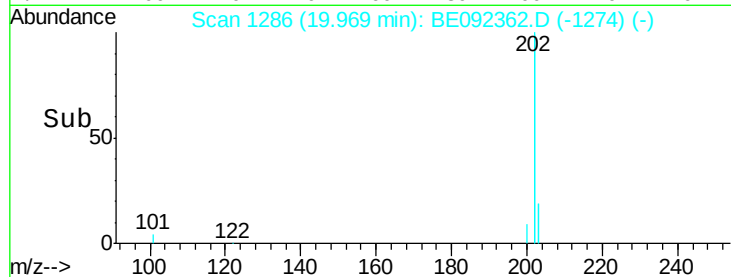
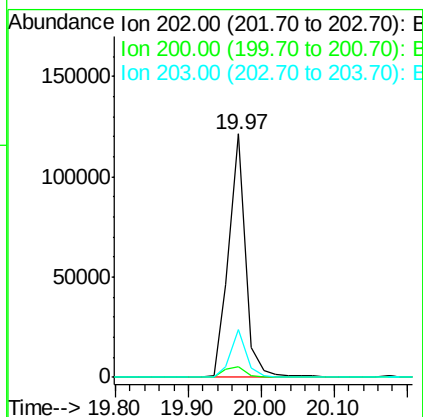
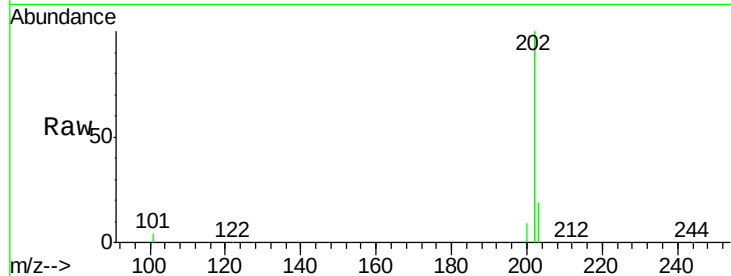




#25
 Pyrene
 Concen: 3.38 ng
 RT: 19.97 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: BE092362.D
 Acq: 9 Sep 2016 19:37

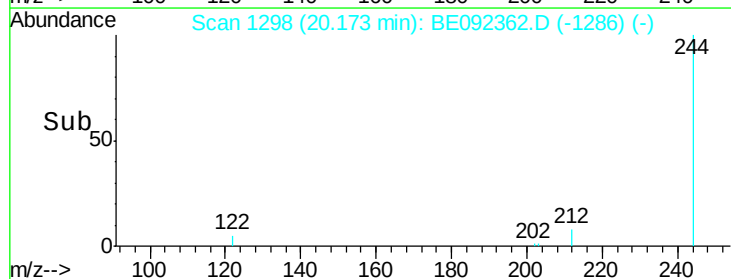
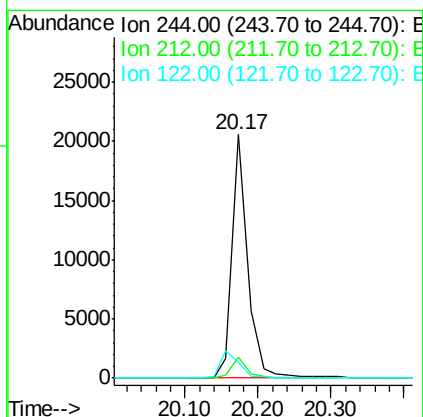
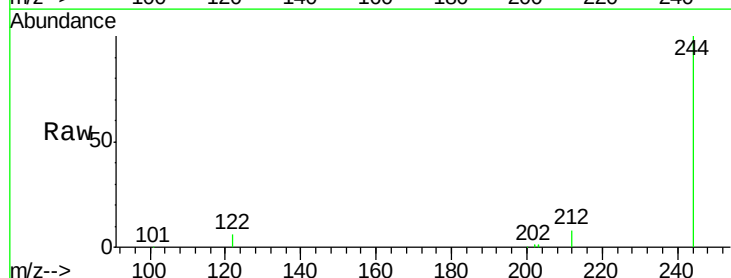
Instrument :
 BNA_E
 ClientSampleId :
 PB93333BS

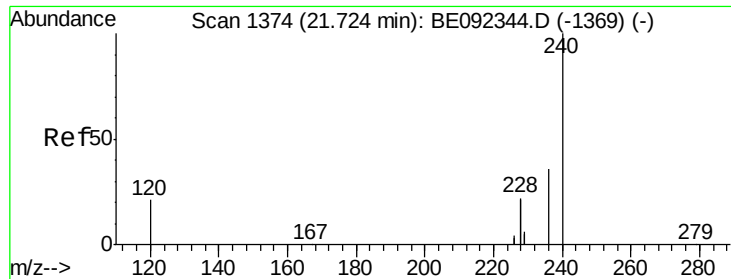
Tgt Ion: 202 Resp: 192648
 Ion Ratio Lower Upper
 202 100
 200 5.3 4.2 6.4
 203 18.2 13.9 20.9



#26
 Terphenyl-d14
 Concen: 3.45 ng
 RT: 20.17 min Scan# 1298
 Delta R.T. 0.00 min
 Lab File: BE092362.D
 Acq: 9 Sep 2016 19:37

Tgt Ion: 244 Resp: 29862
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.7 10.1
 122 6.3 3.6 5.4#

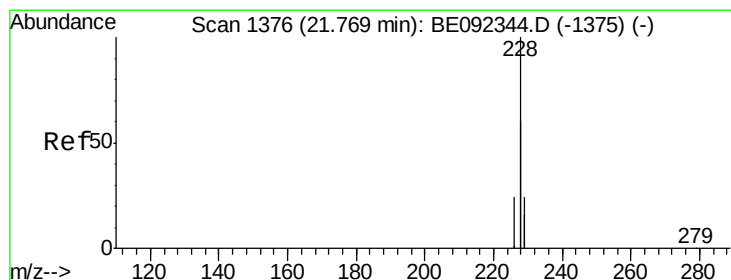
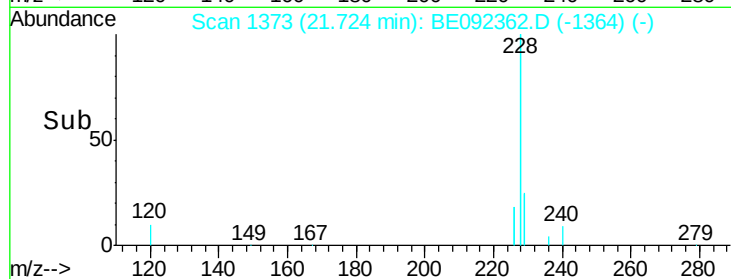
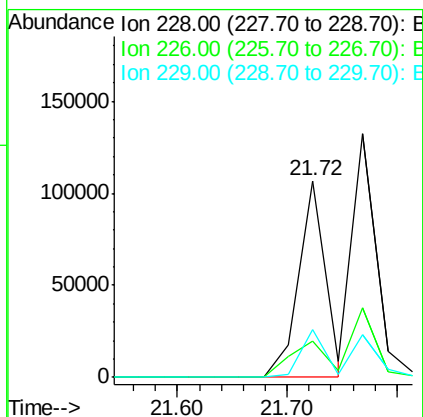
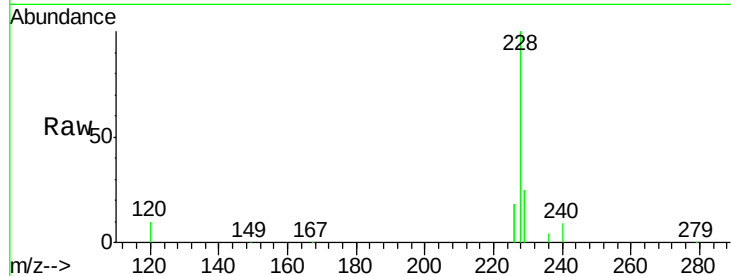




#27
Benzo(a)anthracene
Concen: 2.85 ng
RT: 21.72 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BE092362.D
Acq: 9 Sep 2016 19:37

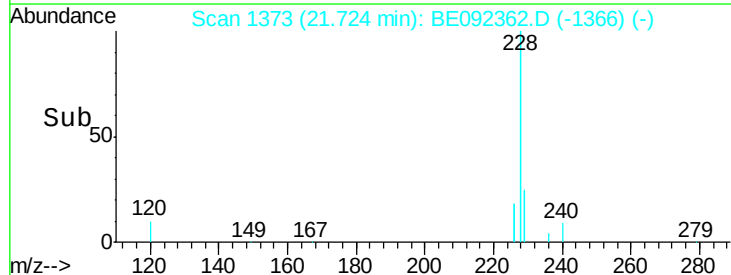
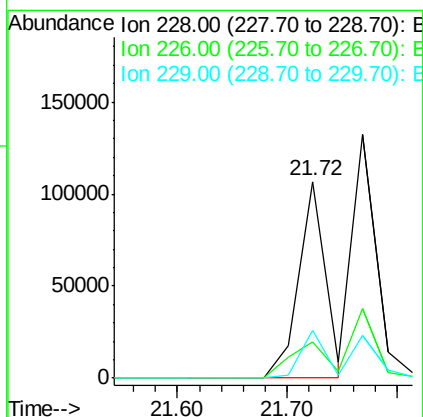
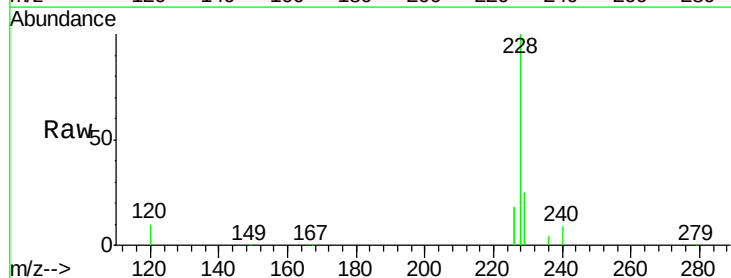
Instrument :
BNA_E
ClientSampleId :
PB93333BS

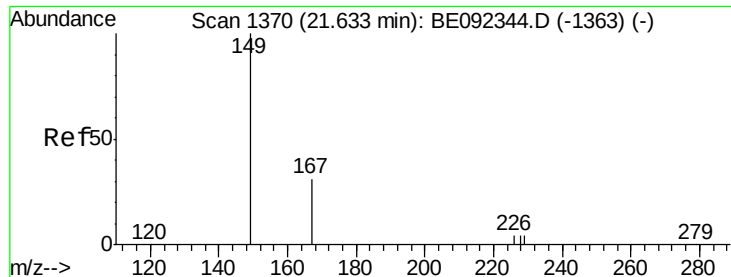
Tgt Ion:228 Resp: 179941
Ion Ratio Lower Upper
228 100
226 18.4 23.6 35.4#
229 24.5 13.3 19.9#



#28
Chrysene
Concen: 3.04 ng
RT: 21.72 min Scan# 1373
Delta R.T. -0.04 min
Lab File: BE092362.D
Acq: 9 Sep 2016 19:37

Tgt Ion:228 Resp: 179941
Ion Ratio Lower Upper
228 100
226 18.4 36.3 54.5#
229 24.5 10.6 16.0#





#29

Bis(2-ethylhexyl)phthalate

Concen: 2.98 ng

RT: 21.63 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BE092362.D

Acq: 9 Sep 2016 19:37

Instrument :

BNA_E

ClientSampleId :

PB93333BS

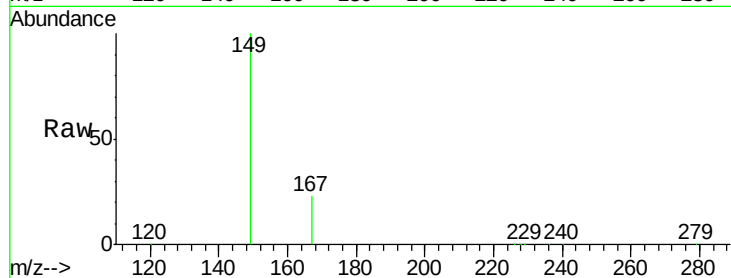
Tgt Ion:149 Resp: 26338

Ion Ratio Lower Upper

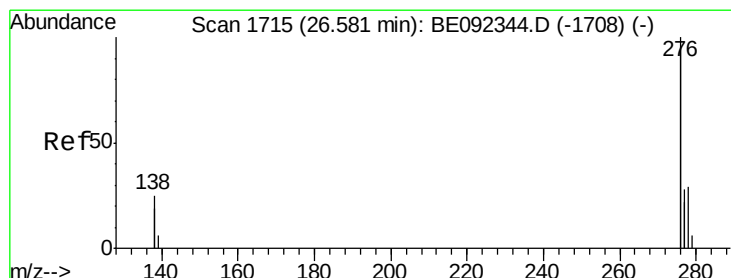
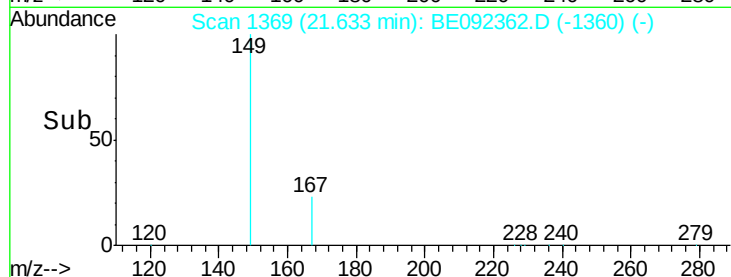
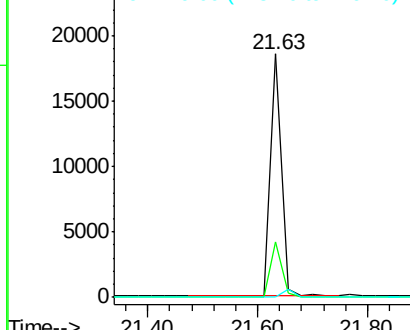
149 100

167 23.2 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: 3.27 ng

RT: 26.58 min Scan# 1714

Delta R.T. 0.00 min

Lab File: BE092362.D

Acq: 9 Sep 2016 19:37

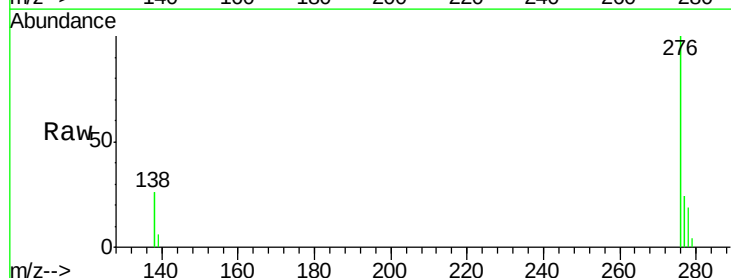
Tgt Ion:276 Resp: 217773

Ion Ratio Lower Upper

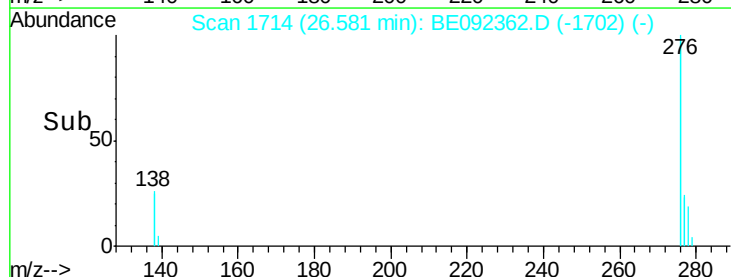
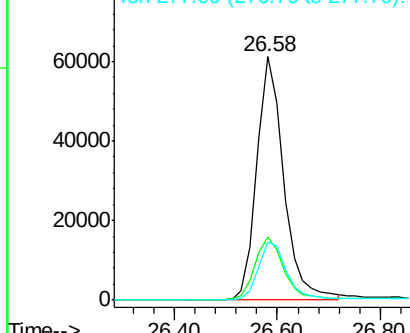
276 100

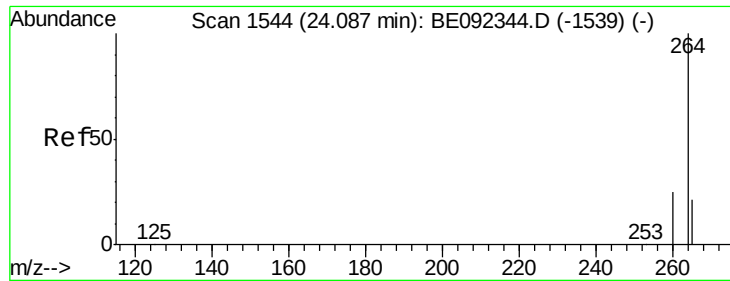
138 27.0 20.3 30.5

277 24.7 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

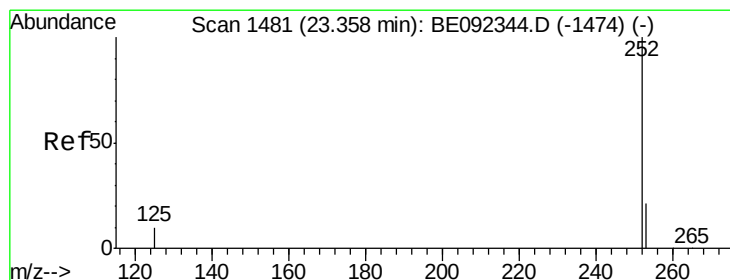
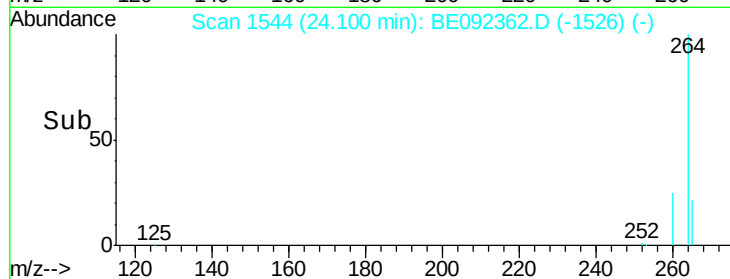
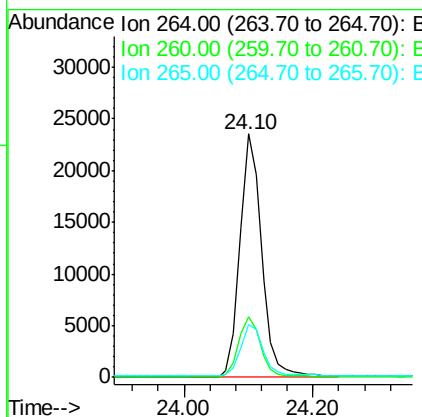
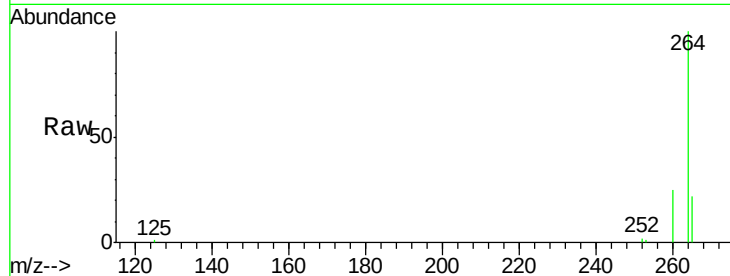




#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.10 min Scan# 1544
 Delta R.T. 0.01 min
 Lab File: BE092362.D
 Acq: 9 Sep 2016 19:37

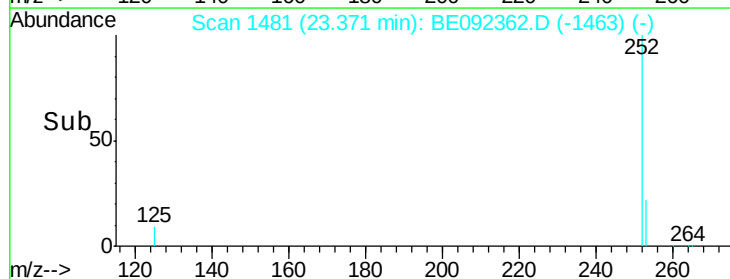
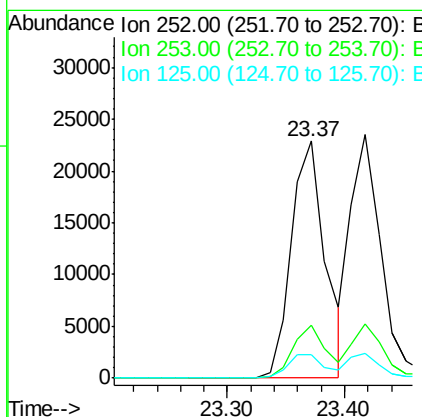
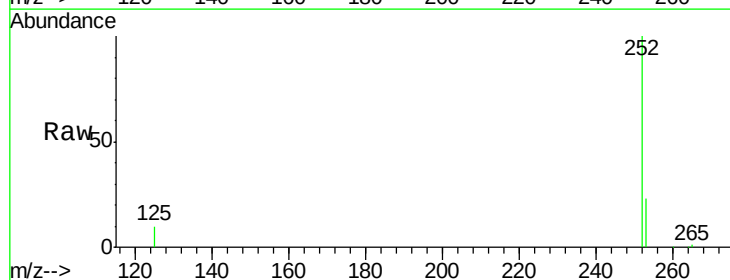
Instrument :
 BNA_E
 ClientSampleId :
 PB93333BS

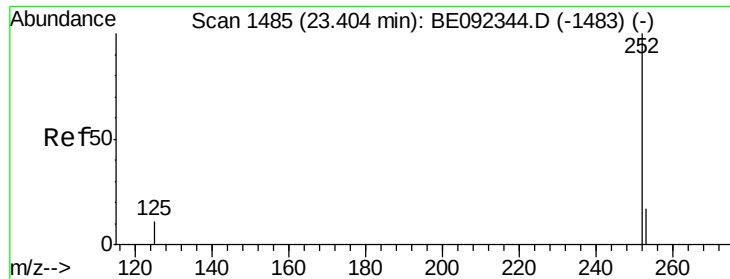
Tgt Ion: 264 Resp: 54557
 Ion Ratio Lower Upper
 264 100
 260 25.1 20.1 30.1
 265 21.8 17.9 26.9



#32
 Benzo(b)fluoranthene
 Concen: 3.26 ng
 RT: 23.37 min Scan# 1481
 Delta R.T. 0.01 min
 Lab File: BE092362.D
 Acq: 9 Sep 2016 19:37

Tgt Ion: 252 Resp: 45604
 Ion Ratio Lower Upper
 252 100
 253 22.5 18.7 28.1
 125 9.8 10.5 15.7#





#33

Benzo(k)fluoranthene

Concen: 2.89 ng

RT: 23.42 min Scan# 1485

Delta R.T. 0.01 min

Lab File: BE092362.D

Acq: 9 Sep 2016 19:37

Instrument :

BNA_E

ClientSampleId :

PB93333BS

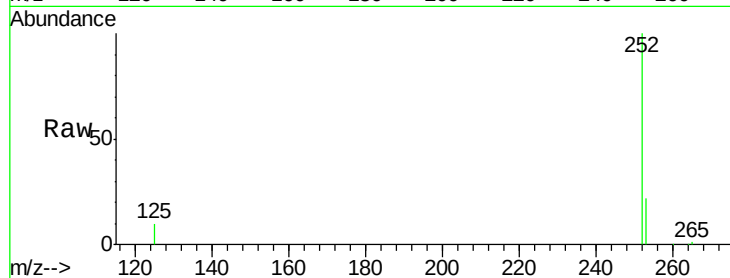
Tgt Ion:252 Resp: 42843

Ion Ratio Lower Upper

252 100

253 22.2 20.3 30.5

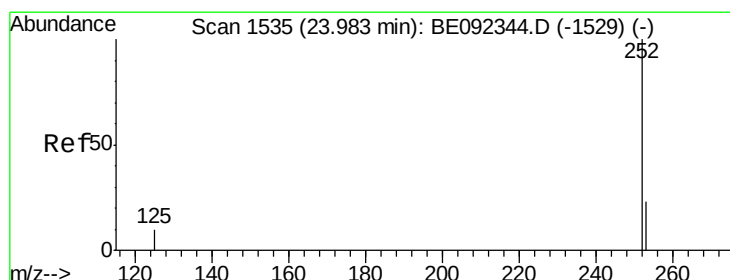
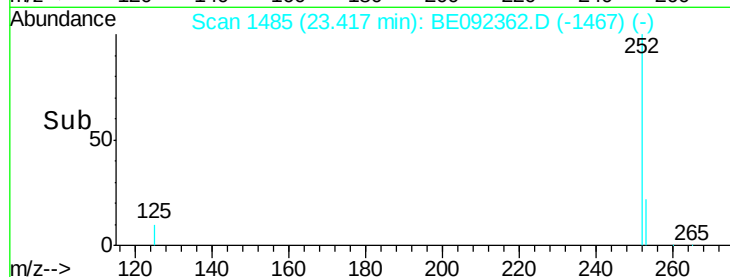
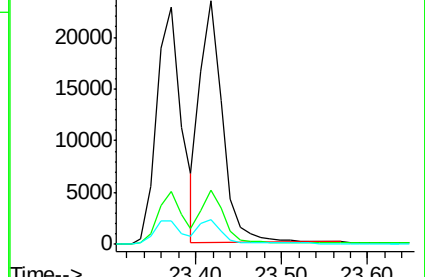
125 10.3 9.6 14.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#34

Benzo(a)pyrene

Concen: 3.12 ng

RT: 23.98 min Scan# 1534

Delta R.T. 0.00 min

Lab File: BE092362.D

Acq: 9 Sep 2016 19:37

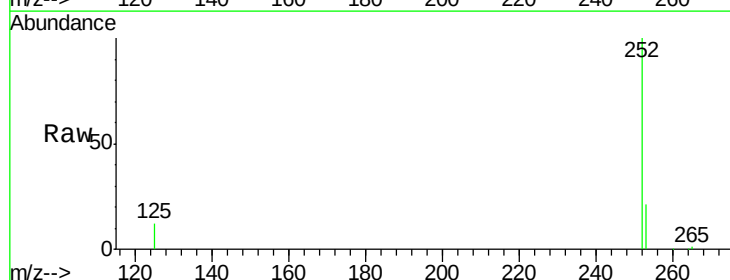
Tgt Ion:252 Resp: 43063

Ion Ratio Lower Upper

252 100

253 21.0 19.0 28.6

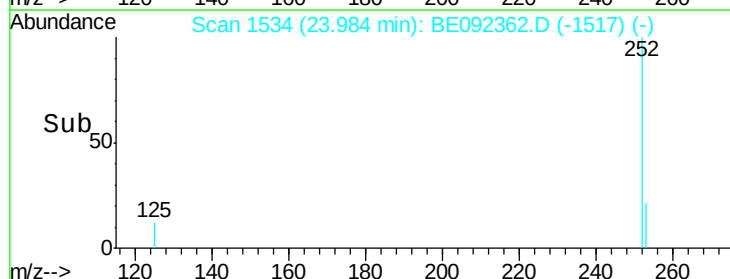
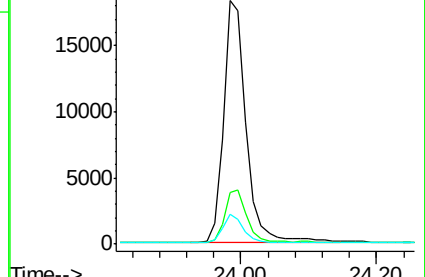
125 12.2 11.8 17.8

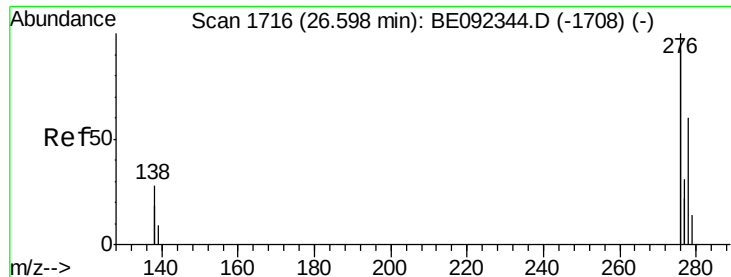


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Dibenzo(a,h)anthracene

Concen: 3.55 ng

RT: 26.62 min Scan# 1716

Delta R.T. 0.02 min

Lab File: BE092362.D

Acq: 9 Sep 2016 19:37

Instrument :

BNA_E

ClientSampleId :

PB93333BS

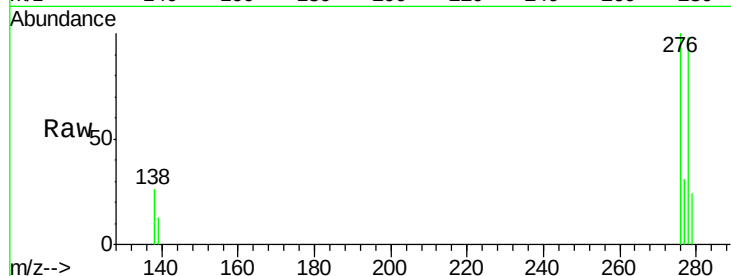
Tgt Ion: 278 Resp: 45370

Ion Ratio Lower Upper

278 100

139 13.6 13.8 20.8#

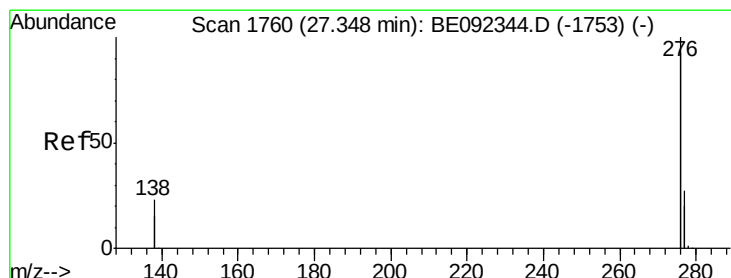
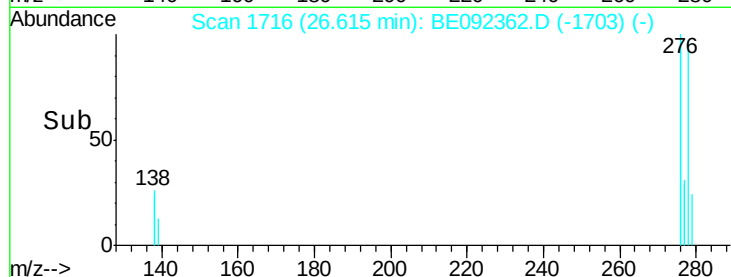
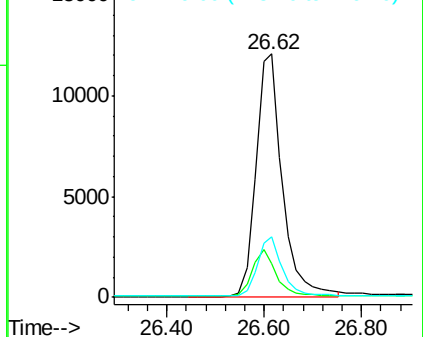
279 24.6 21.4 32.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#36

Benzo(g,h,i)perylene

Concen: 3.51 ng

RT: 27.35 min Scan# 1759

Delta R.T. 0.00 min

Lab File: BE092362.D

Acq: 9 Sep 2016 19:37

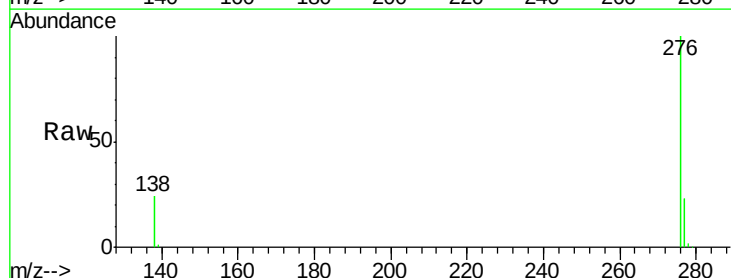
Tgt Ion: 276 Resp: 188641

Ion Ratio Lower Upper

276 100

277 23.3 19.8 29.8

138 23.5 19.8 29.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

