

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011917\
 Data File : BE092662.D
 Acq On : 19 Jan 2017 18:10
 Operator : UM/SJ
 Sample : PB96141BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB96141BS

Quant Time: Jan 20 01:29:35 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE011617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 10:14:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	9640	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	43422	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	26465	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	56978	5.00	ng	0.00
24) Chrysene-d12	21.72	240	61897	5.00	ng	0.00
31) Perylene-d12	24.06	264	72482	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.64	112	21299	9.90	ng	-0.01
5) Phenol-d6	7.31	99	26862	10.18	ng	-0.02
8) Nitrobenzene-d5	9.29	82	13524	4.80	ng	-0.05
13) 2,4,6-Tribromophenol	16.27	330	7376	9.42	ng	-0.02
14) 2-Fluorobiphenyl	13.40	172	28062	4.31	ng	-0.02
26) Terphenyl-d14	20.14	244	39662	4.53	ng	-0.02

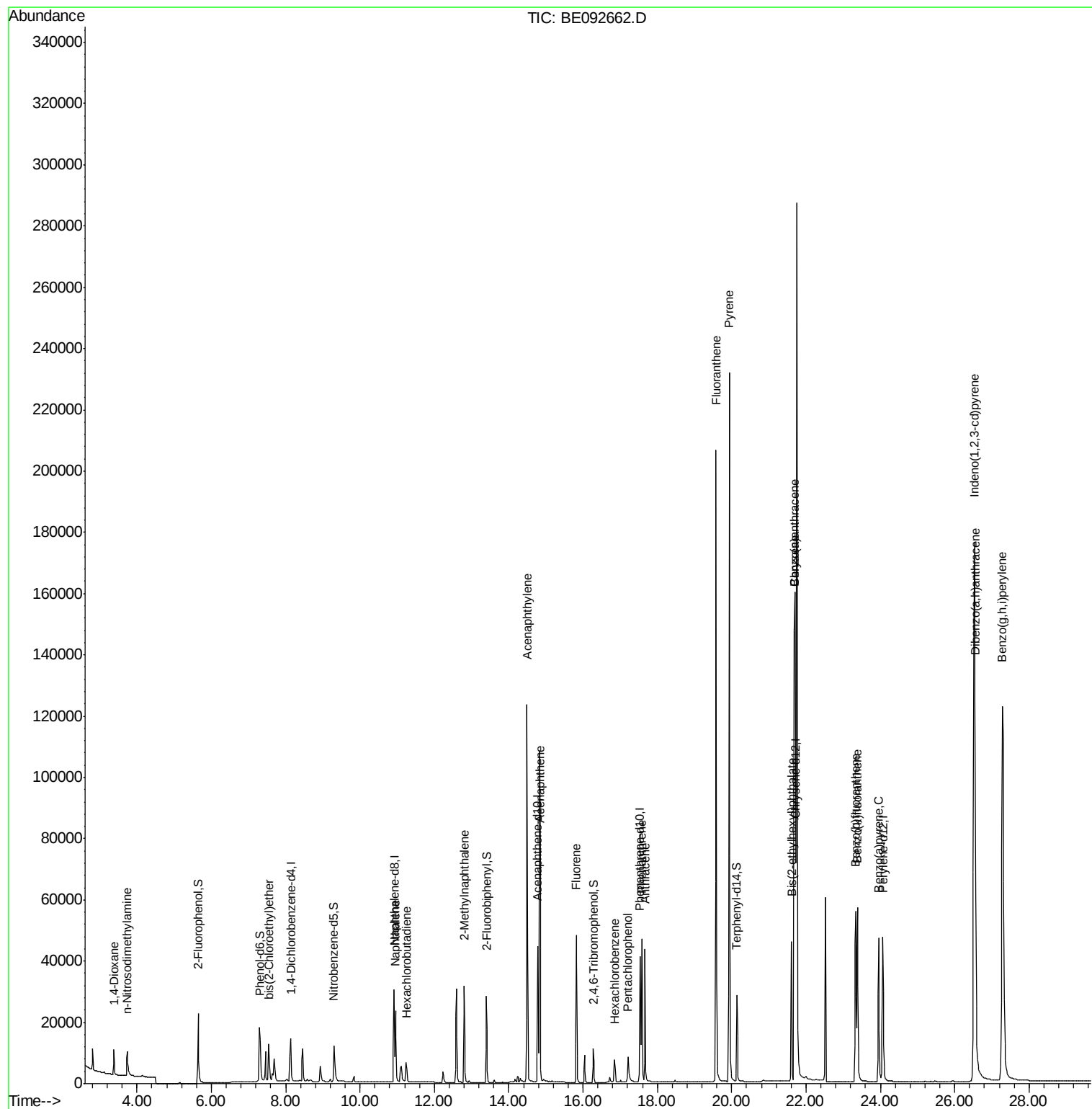
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.38	88	4733	3.64	ng	# 70
3) n-Nitrosodimethylamine	3.72	42	7848	4.51	ng	# 93
6) bis(2-Chloroethyl)ether	7.54	93	12797	4.57	ng	94
9) Naphthalene	10.95	128	38192	4.21	ng	# 95
10) Hexachlorobutadiene	11.24	225	5538	4.14	ng	99
11) 2-Methylnaphthalene	12.81	142	23413	4.16	ng	93
15) Acenaphthylene	14.49	152	165924	4.55	ng	100
16) Acenaphthene	14.85	154	24436	4.18	ng	93
17) Fluorene	15.82	166	32589	4.44	ng	99
19) Hexachlorobenzene	16.86	284	10252	5.52	ng	# 39
20) Pentachlorophenol	17.21	266	9182	15.68	ng	86
21) Phenanthrene	17.58	178	57107	4.54	ng	# 94
22) Anthracene	17.67	178	56062	4.83	ng	98
23) Fluoranthene	19.58	202	258626	4.64	ng	98
25) Pyrene	19.93	202	279665	4.58	ng	99
27) Benzo(a)anthracene	21.68	228	276951	4.54	ng	# 71
28) Chrysene	21.68	228	276951	4.04	ng	# 94
29) Bis(2-ethylhexyl)phthalate	21.61	149	50138	4.21	ng	# 69
30) Indeno(1,2,3-cd)pyrene	26.53	276	375250	5.06	ng	98
32) Benzo(b)fluoranthene	23.34	252	83578	4.77	ng	# 97
33) Benzo(k)fluoranthene	23.38	252	79531	4.52	ng	94
34) Benzo(a)pyrene	23.95	252	80564	4.89	ng	# 95
35) Dibenzo(a,h)anthracene	26.55	278	77064	4.78	ng	95
36) Benzo(g,h,i)perylene	27.28	276	320478	4.71	ng	98

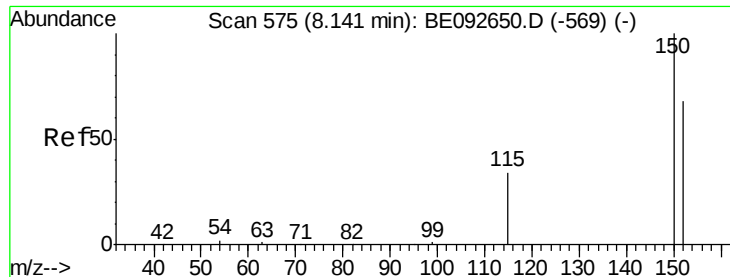
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. 0.00 min

Lab File: BE092662.D

Acq: 19 Jan 2017 18:10

Instrument :

BNA_E

ClientSampleId :

PB96141BS

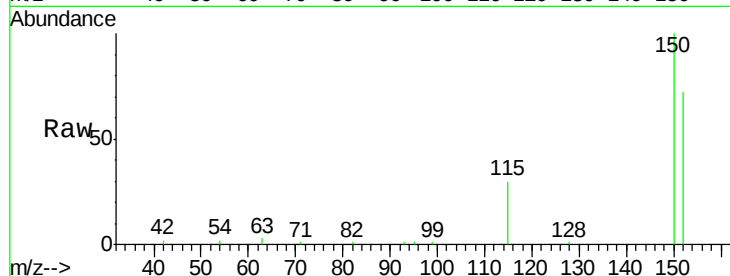
Tgt Ion:152 Resp: 9640

Ion Ratio Lower Upper

152 100

150 138.0 106.0 159.0

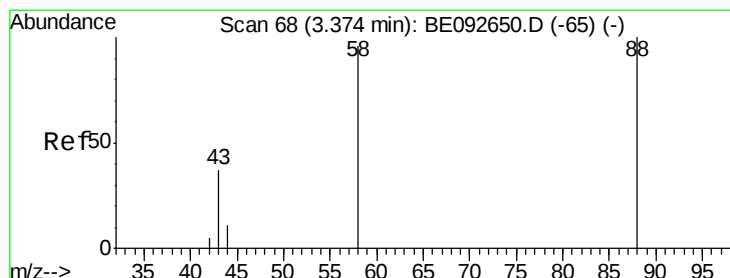
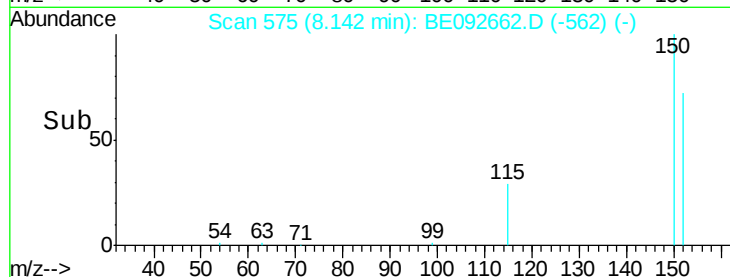
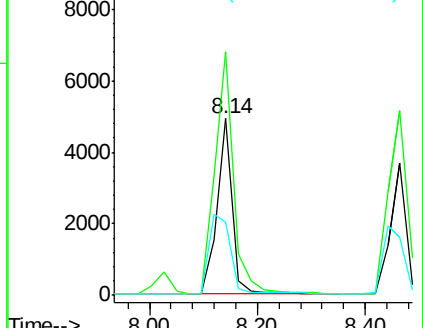
115 41.4 31.2 46.8



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: 3.64 ng

RT: 3.38 min Scan# 68

Delta R.T. 0.00 min

Lab File: BE092662.D

Acq: 19 Jan 2017 18:10

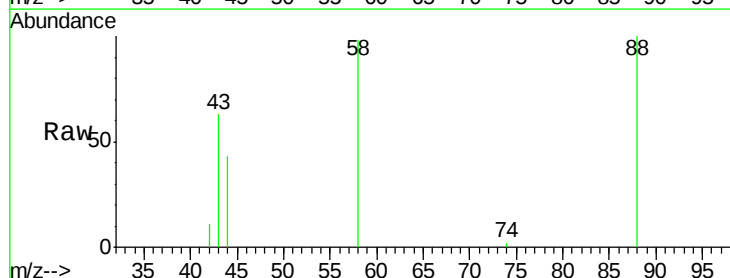
Tgt Ion: 88 Resp: 4733

Ion Ratio Lower Upper

88 100

58 95.1 63.6 95.4

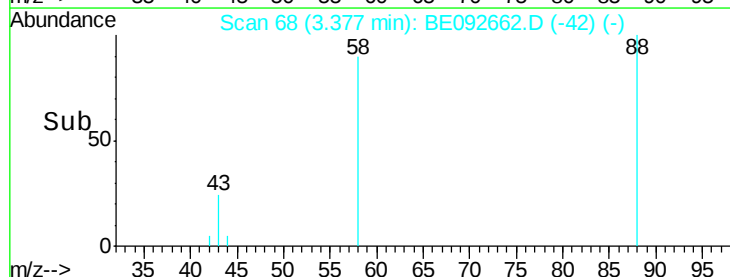
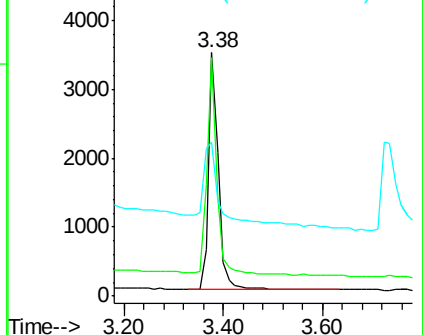
43 68.7 28.0 42.0#

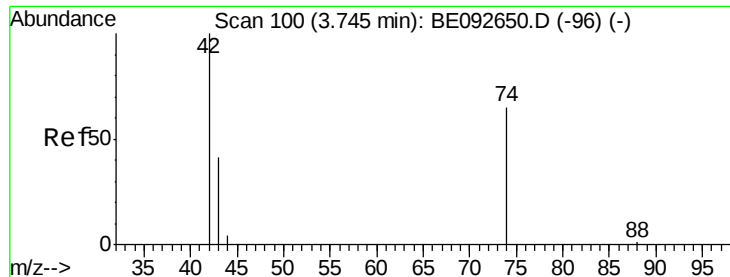


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 4.51 ng

RT: 3.72 min Scan# 98

Delta R.T. -0.02 min

Lab File: BE092662.D

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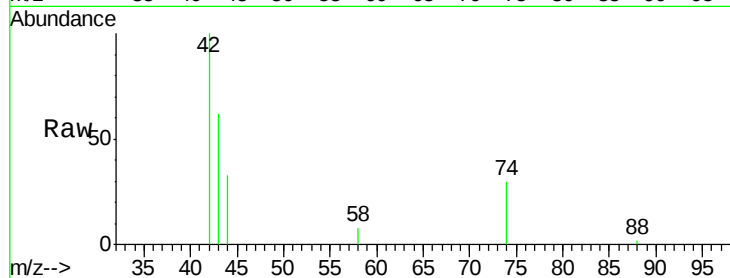
Tgt Ion: 42 Resp: 7848

Ion Ratio Lower Upper

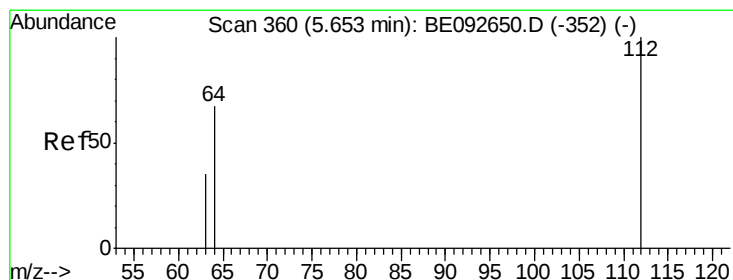
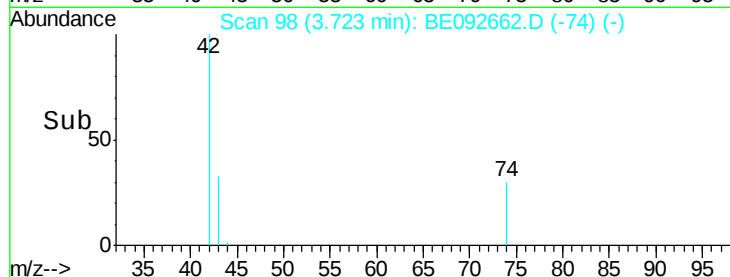
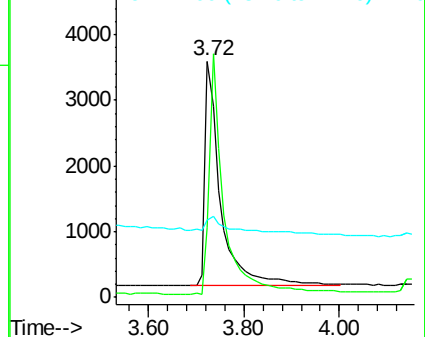
42 100

74 101.9 86.0 129.0

44 15.5 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: 9.90 ng

RT: 5.64 min Scan# 358

Delta R.T. -0.01 min

Lab File: BE092662.D

Acq: 19 Jan 2017 18:10

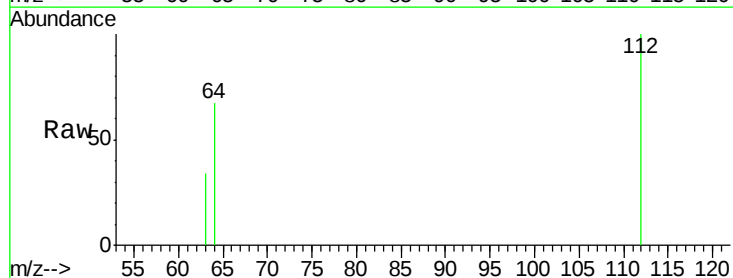
Tgt Ion: 112 Resp: 21299

Ion Ratio Lower Upper

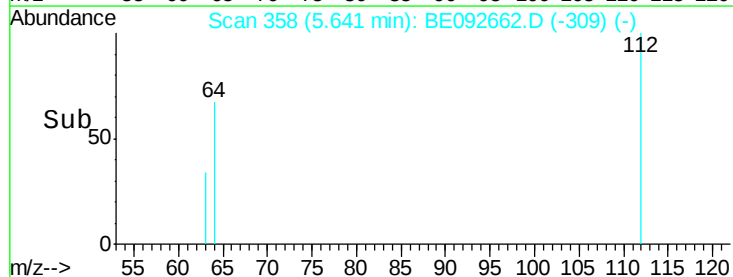
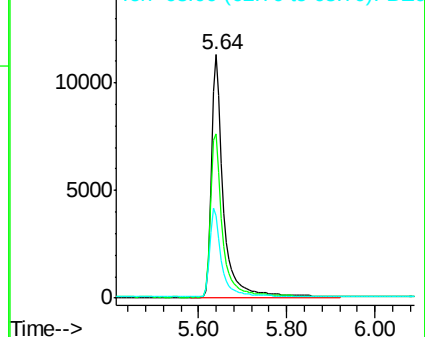
112 100

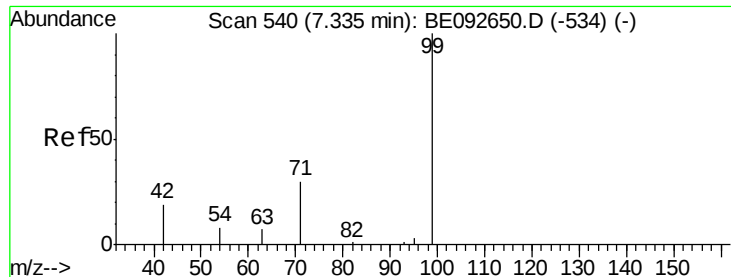
64 69.2 53.5 80.3

63 36.9 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: 10.18 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.02 min

Lab File: BE092662.D

Acq: 19 Jan 2017 18:10

Instrument :

BNA_E

ClientSampleId :

PB96141BS

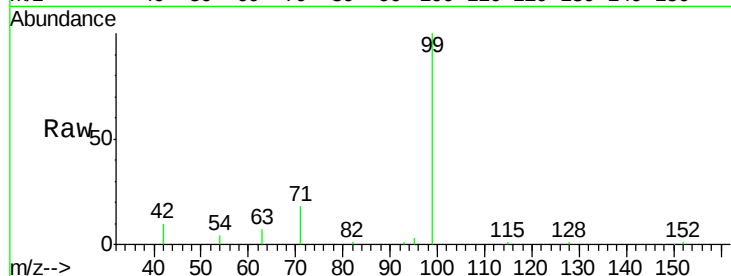
Tgt Ion: 99 Resp: 26862

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

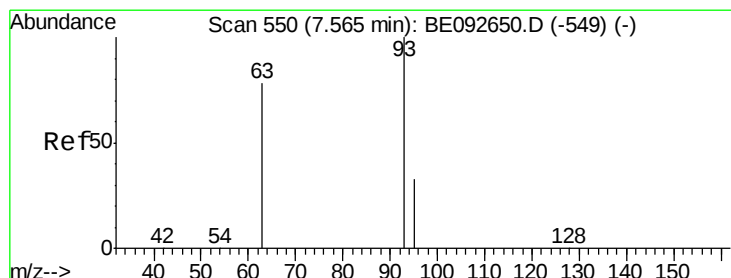
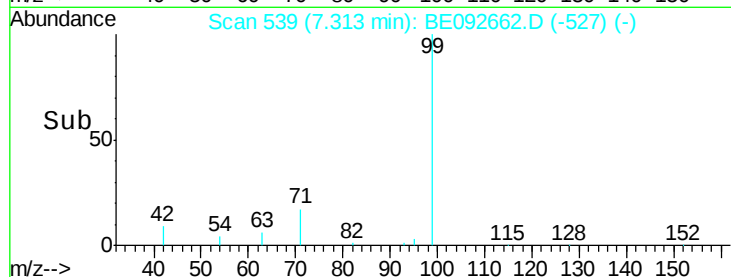
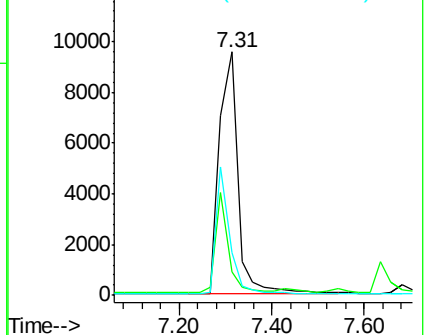
71 0.0 30.6 45.8#



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: 4.57 ng

RT: 7.54 min Scan# 549

Delta R.T. -0.02 min

Lab File: BE092662.D

Acq: 19 Jan 2017 18:10

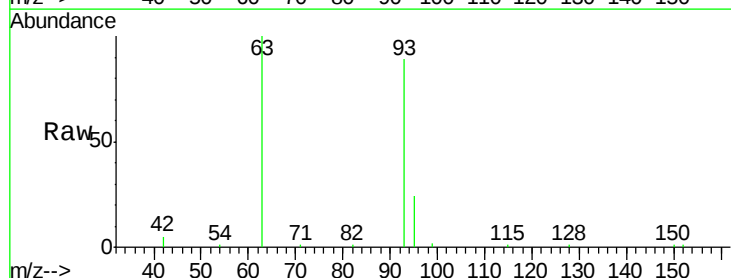
Tgt Ion: 93 Resp: 12797

Ion Ratio Lower Upper

93 100

63 82.3 71.6 107.4

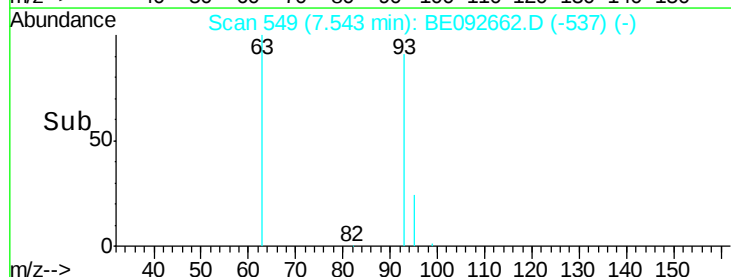
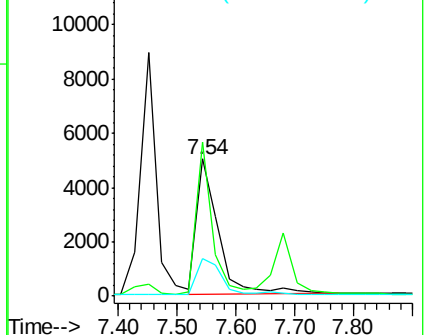
95 30.6 24.0 36.0

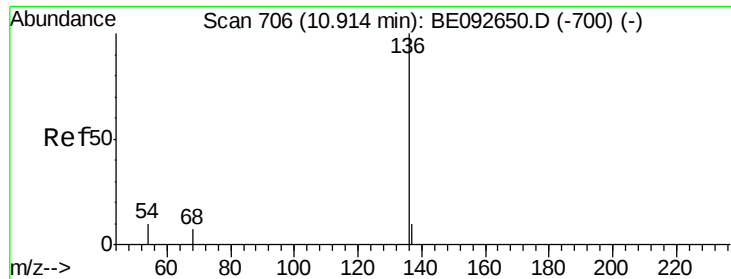


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.91 min Scan# 706

Delta R.T. -0.00 min

Lab File: BE092662.D

Acq: 19 Jan 2017 18:10

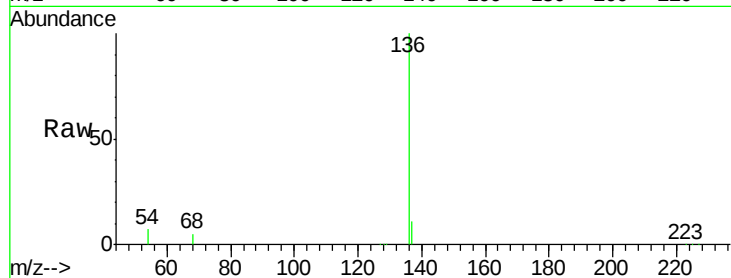
Instrument :

BNA_E

ClientSampleId :

PB96141BS

Tgt Ion:	136	Resp:	43422
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.2	12.4
54	6.9	9.6	14.4#
68	5.2	6.7	10.1#

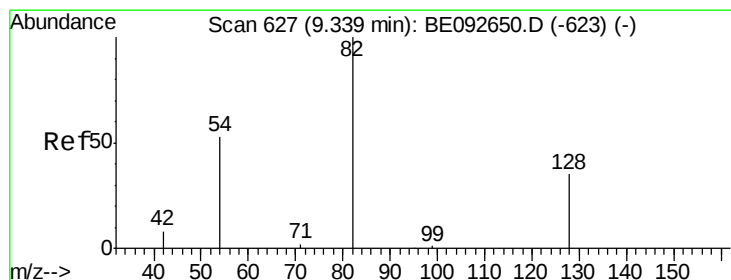
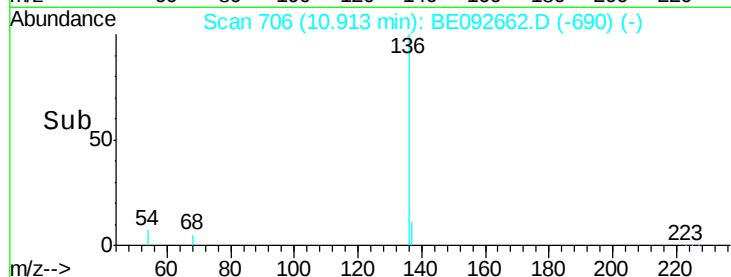
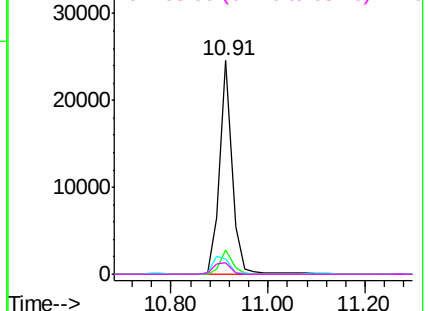


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.80 ng

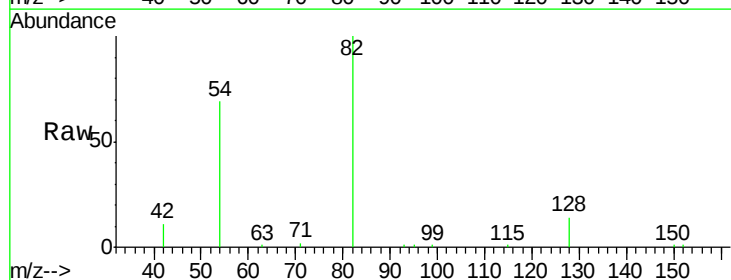
RT: 9.29 min Scan# 625

Delta R.T. -0.05 min

Lab File: BE092662.D

Acq: 19 Jan 2017 18:10

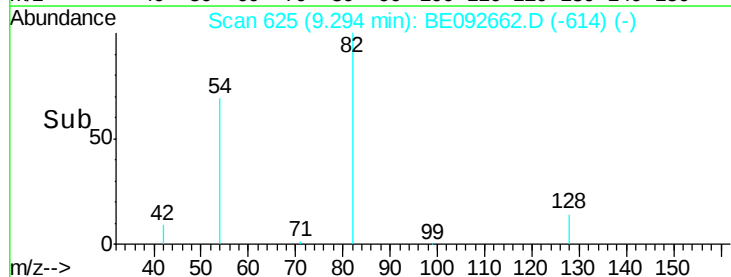
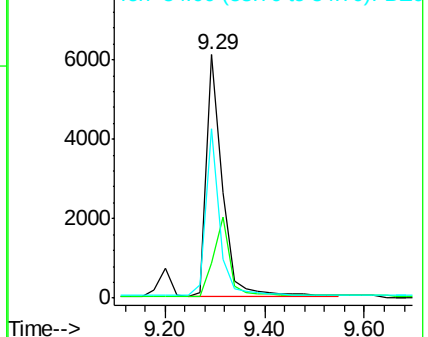
Tgt Ion:	82	Resp:	13524
Ion	Ratio	Lower	Upper
82	100		
128	14.4	39.0	58.4#
54	69.4	44.8	67.2#

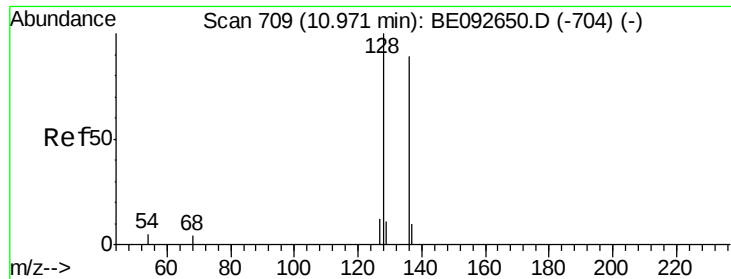


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 4.21 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.02 min

Lab File: BE092662.D

Acq: 19 Jan 2017 18:10

Instrument :

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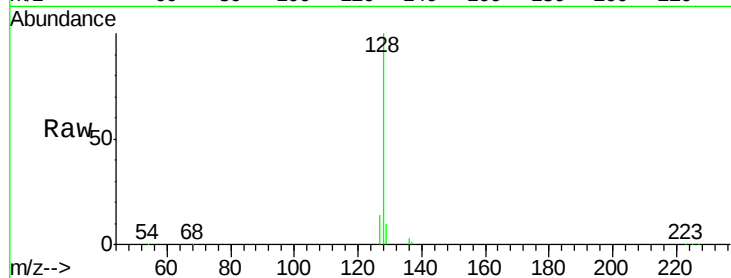
Tgt Ion:128 Resp: 38192

Ion Ratio Lower Upper

128 100

129 10.4 11.2 16.8#

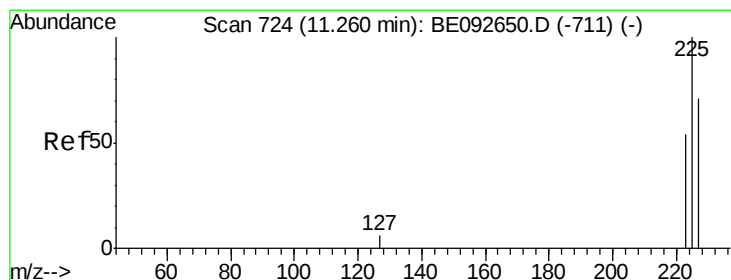
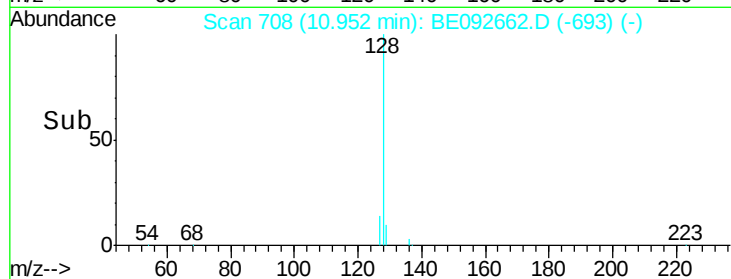
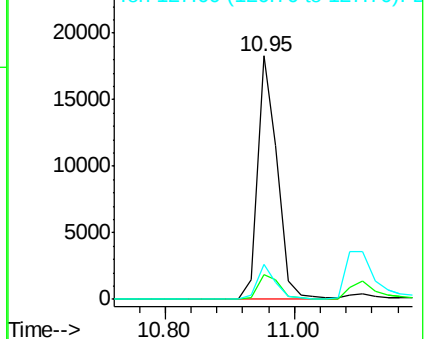
127 14.3 11.6 17.4



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: 4.14 ng

RT: 11.24 min Scan# 723

Delta R.T. -0.02 min

Lab File: BE092662.D

Acq: 19 Jan 2017 18:10

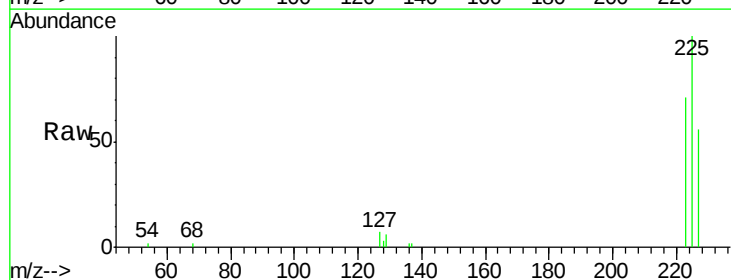
Tgt Ion:225 Resp: 5538

Ion Ratio Lower Upper

225 100

223 63.6 50.6 76.0

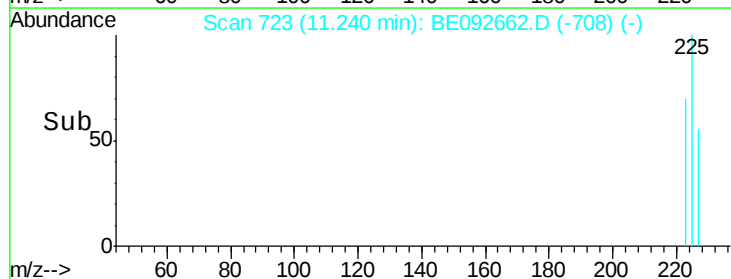
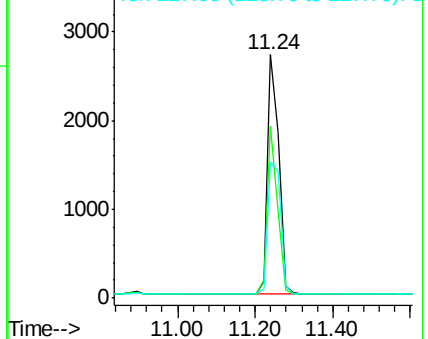
227 63.5 51.4 77.0

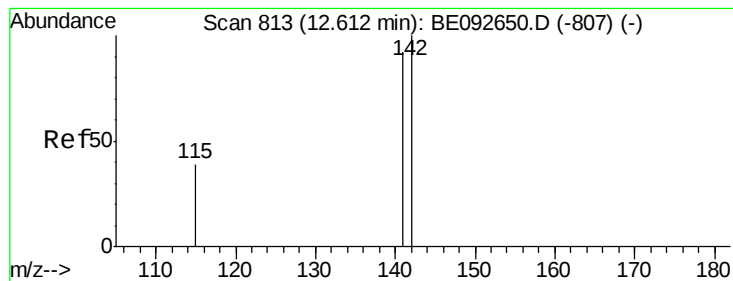


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene

Concen: 4.16 ng

RT: 12.81 min Scan# 830

Delta R.T. 0.20 min

Lab File: BE092662.D

Acq: 19 Jan 2017 18:10

Instrument :

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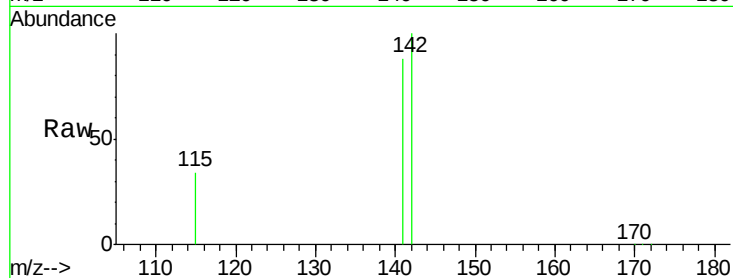
Tgt Ion:142 Resp: 23413

Ion Ratio Lower Upper

142 100

141 88.0 73.7 110.5

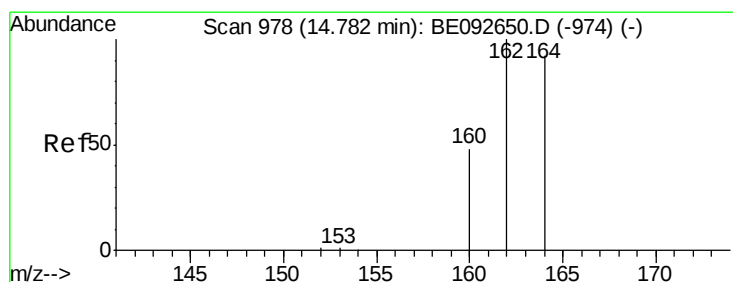
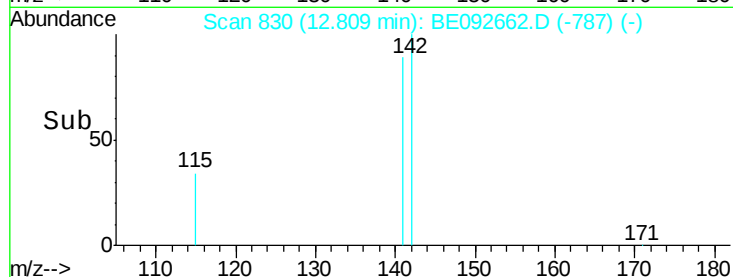
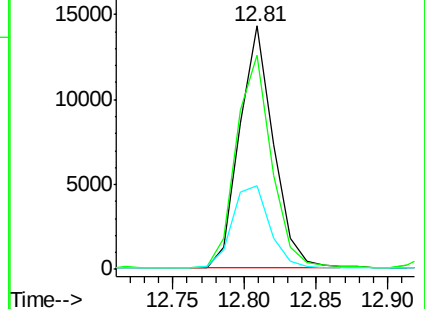
115 34.3 34.0 51.0



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: 14.78 min Scan# 978

Delta R.T. 0.00 min

Lab File: BE092662.D

Acq: 19 Jan 2017 18:10

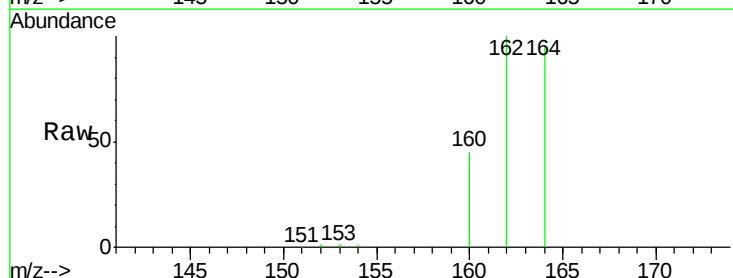
Tgt Ion:164 Resp: 26465

Ion Ratio Lower Upper

164 100

162 104.6 71.4 107.0

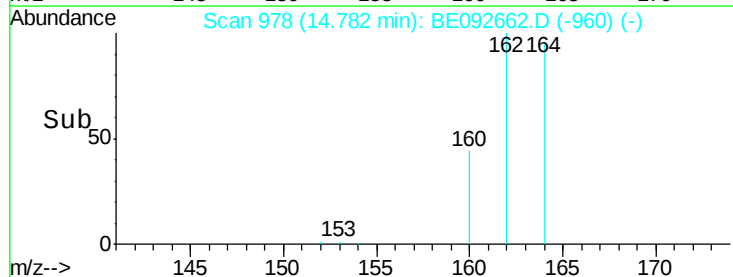
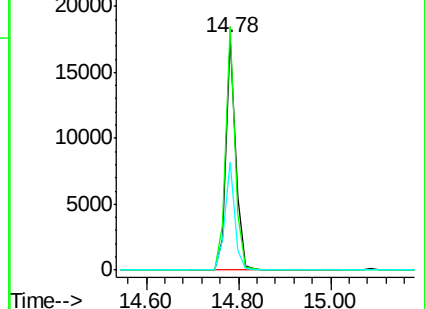
160 46.6 27.4 41.2#

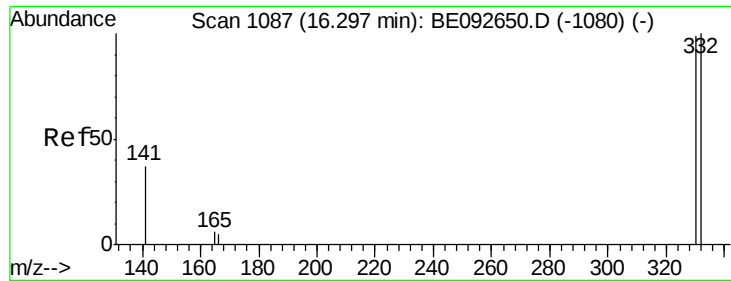


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

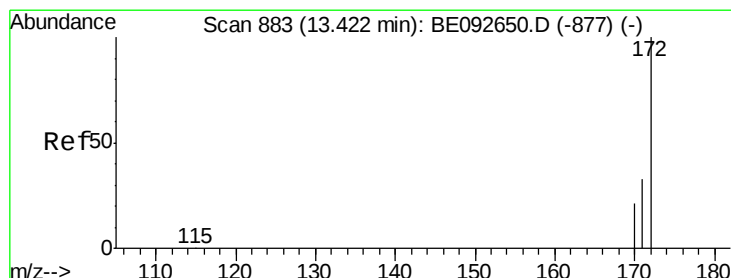
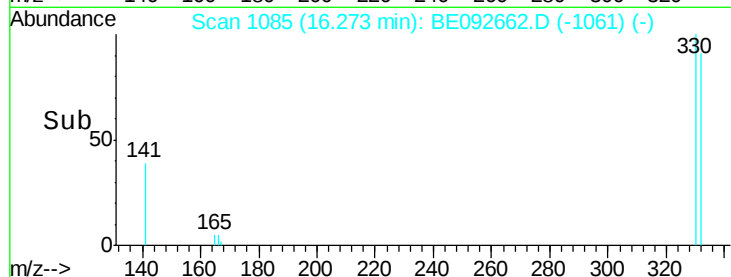
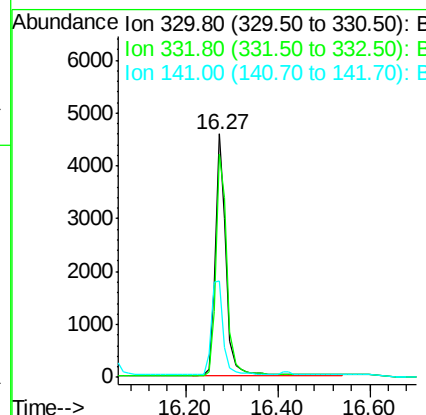
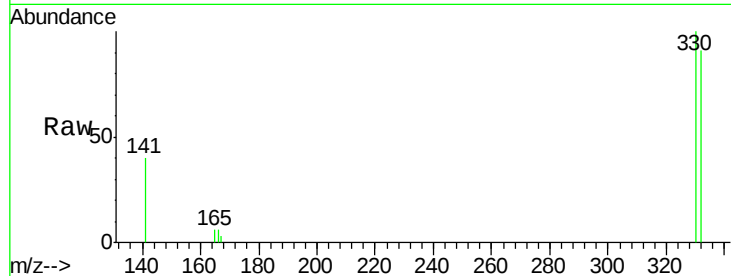




#13
 2,4,6-Tribromophenol
 Concen: 9.42 ng
 RT: 16.27 min Scan# 1085
 Delta R.T. -0.02 min
 Lab File: BE092662.D
 Acq: 19 Jan 2017 18:10

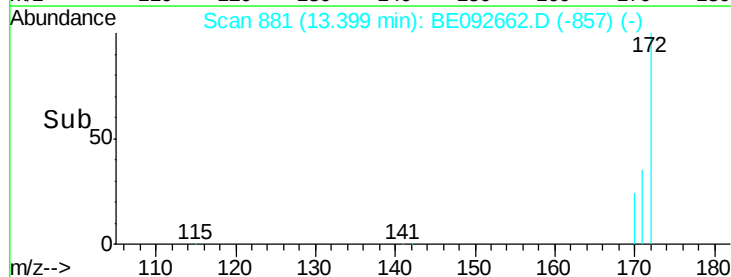
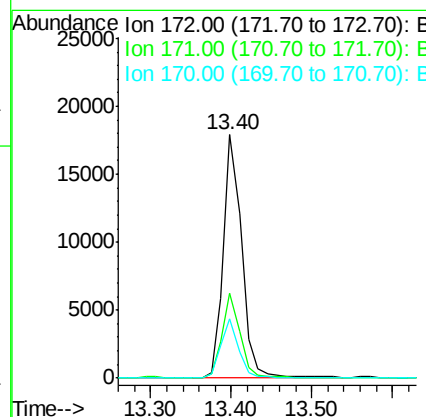
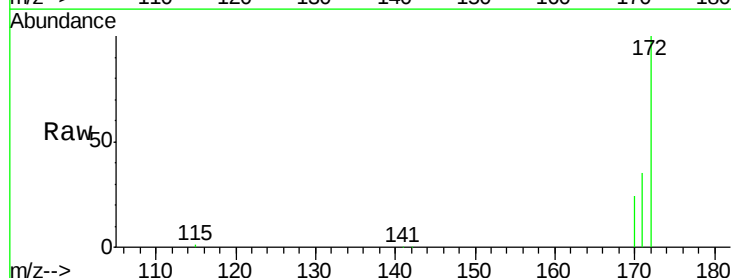
Instrument :
 BNA_E
 ClientSampleId :
 PB96141BS

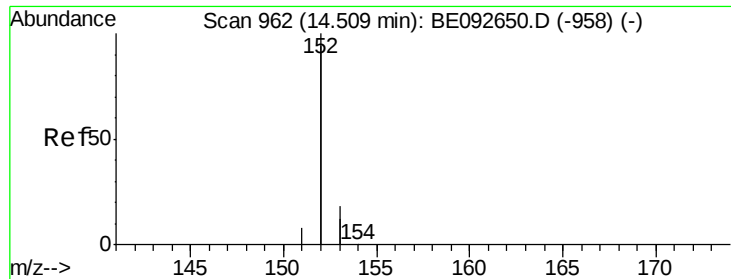
Tgt Ion:330 Resp: 7376
 Ion Ratio Lower Upper
 330 100
 332 96.4 75.4 113.0
 141 44.3 31.0 46.6



#14
 2-Fluorobiphenyl
 Concen: 4.31 ng
 RT: 13.40 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BE092662.D
 Acq: 19 Jan 2017 18:10

Tgt Ion:172 Resp: 28062
 Ion Ratio Lower Upper
 172 100
 171 34.8 30.1 45.1
 170 24.2 21.8 32.6

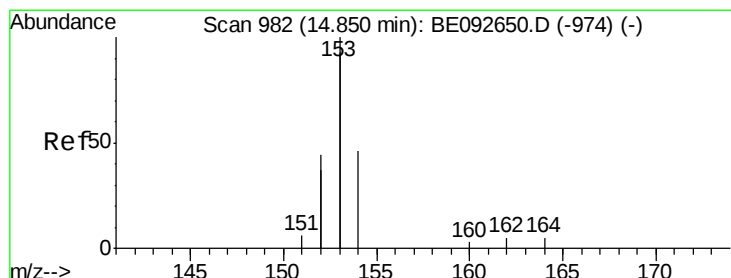
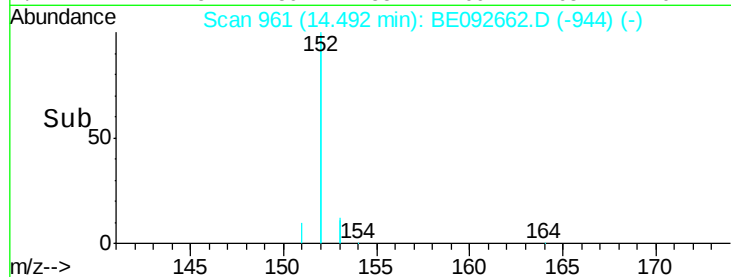
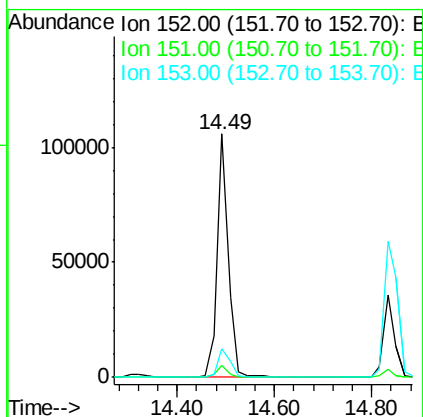
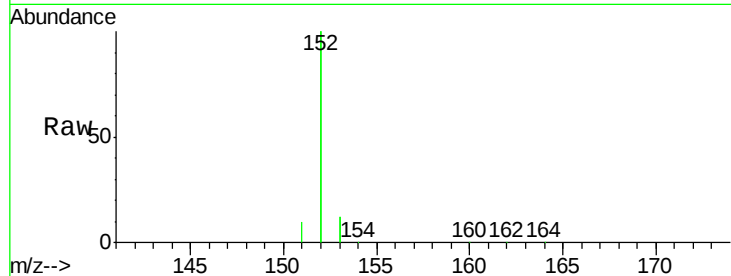




#15
Acenaphthylene
Concen: 4.55 ng
RT: 14.49 min Scan# 961
Delta R.T. -0.02 min
Lab File: BE092662.D
Acq: 19 Jan 2017 18:10

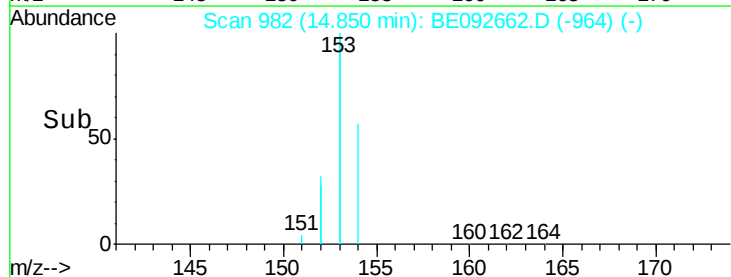
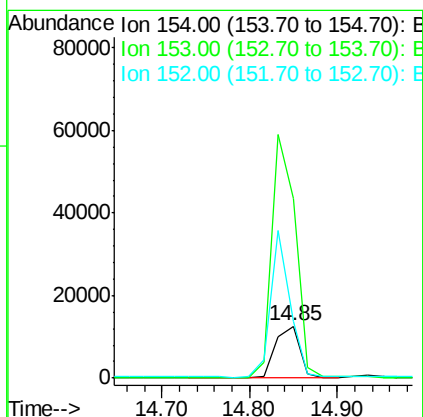
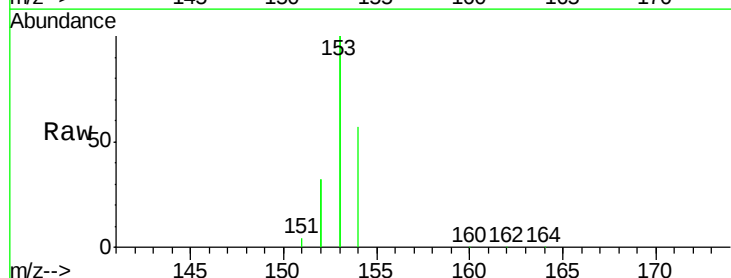
Instrument :
BNA_E
ClientSampleId :
PB96141BS

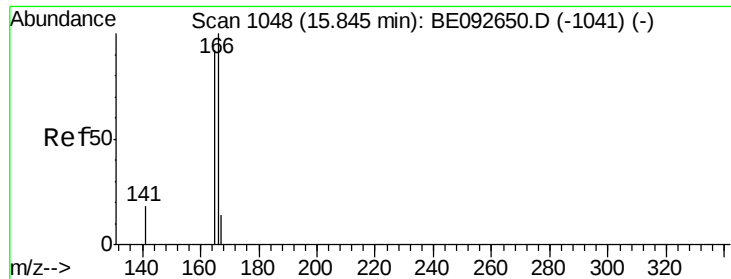
Tgt Ion:152 Resp: 165924
Ion Ratio Lower Upper
152 100
151 4.9 3.9 5.9
153 12.9 10.4 15.6



#16
Acenaphthene
Concen: 4.18 ng
RT: 14.85 min Scan# 982
Delta R.T. 0.00 min
Lab File: BE092662.D
Acq: 19 Jan 2017 18:10

Tgt Ion:154 Resp: 24436
Ion Ratio Lower Upper
154 100
153 454.8 350.8 526.2
152 228.7 171.1 256.7

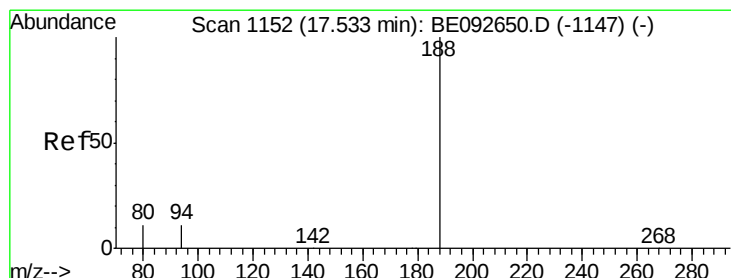
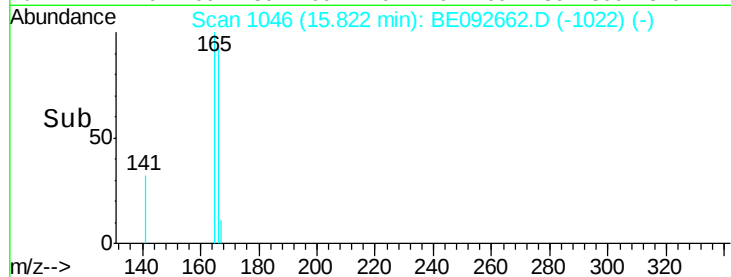
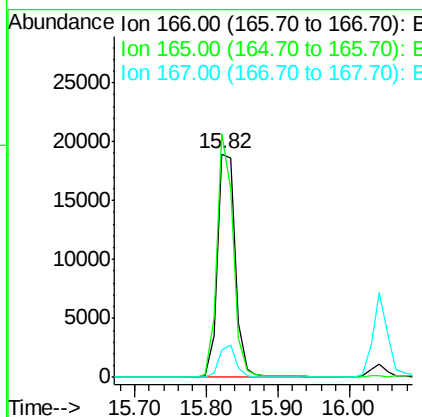
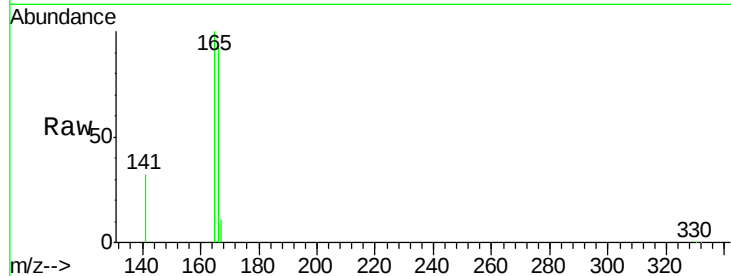




#17
Fluorene
 Concen: 4.44 ng
 RT: 15.82 min Scan# 1046
 Delta R.T. -0.02 min
 Lab File: BE092662.D
 Acq: 19 Jan 2017 18:10

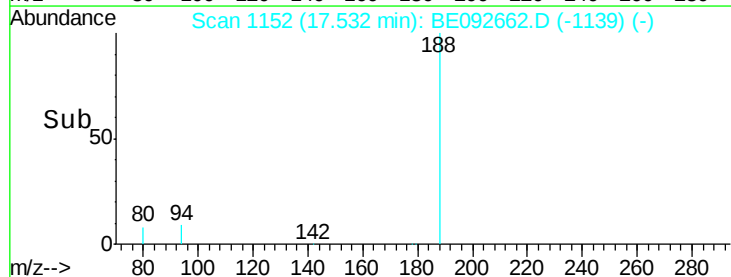
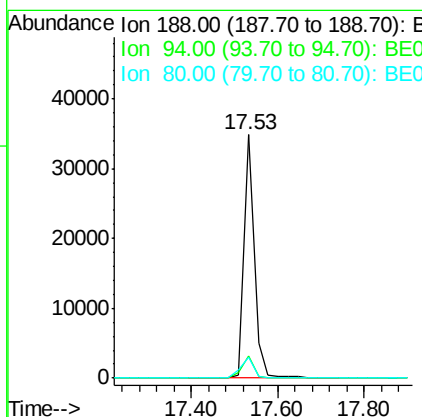
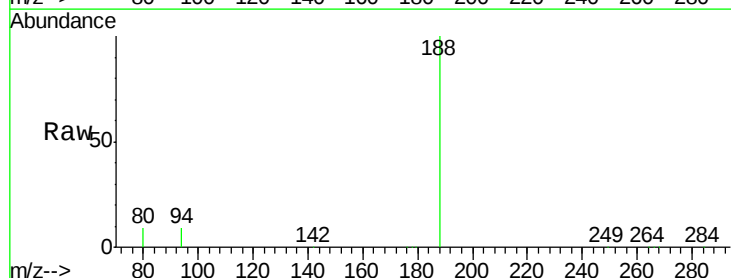
Instrument :
 BNA_E
 ClientSampleId :
 PB96141BS

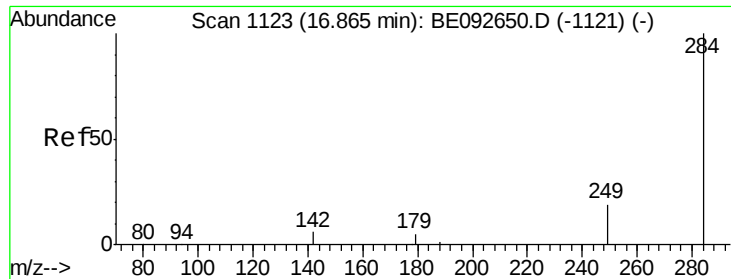
Tgt Ion:166 Resp: 32589
 Ion Ratio Lower Upper
 166 100
 165 98.6 78.2 117.4
 167 13.4 11.0 16.4



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.53 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: BE092662.D
 Acq: 19 Jan 2017 18:10

Tgt Ion:188 Resp: 56978
 Ion Ratio Lower Upper
 188 100
 94 9.1 3.2 4.8#
 80 8.6 2.6 3.8#

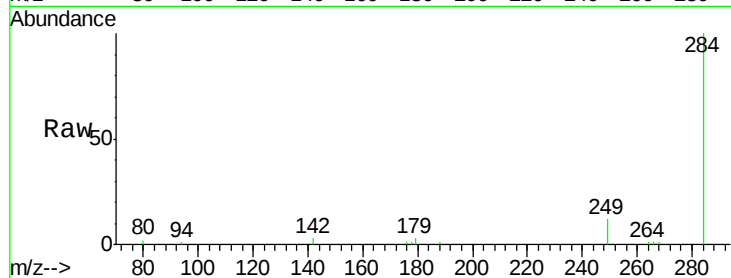




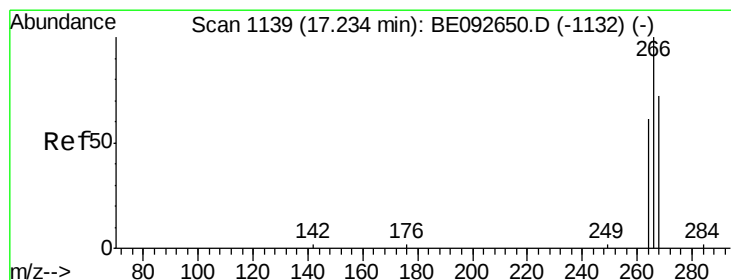
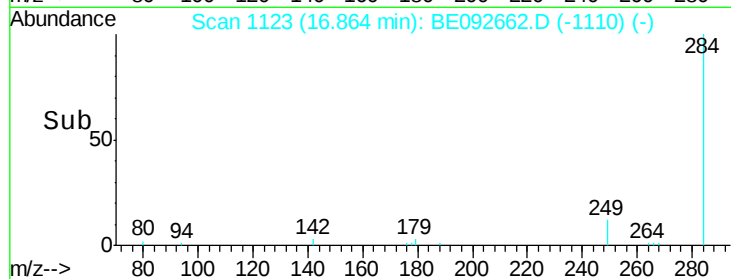
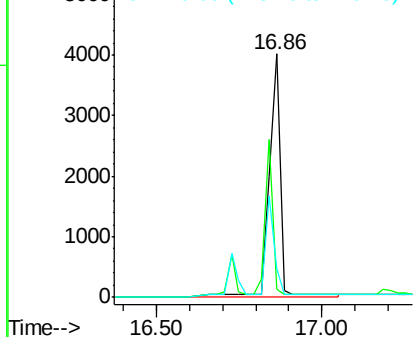
#19
Hexachlorobenzene
Concen: 5.52 ng
RT: 16.86 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092662.D
Acq: 19 Jan 2017 18:10

Instrument :
BNA_E
ClientSampleId :
PB96141BS

Tgt Ion: 284 Resp: 10252
Ion Ratio Lower Upper
284 100
142 0.0 29.1 43.7#
249 0.0 27.9 41.9#

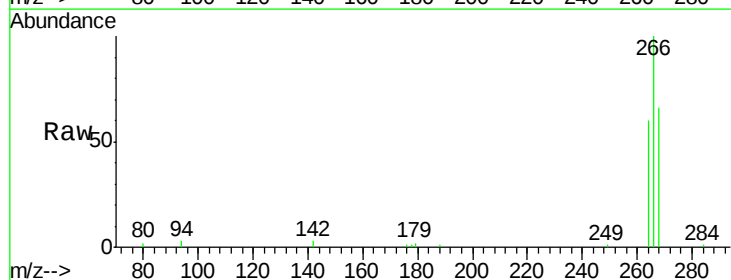


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

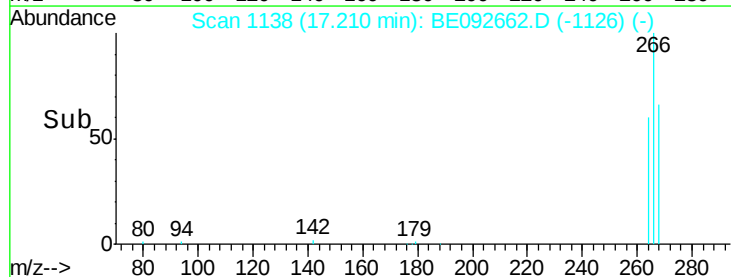
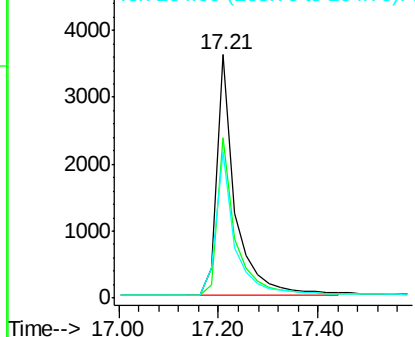


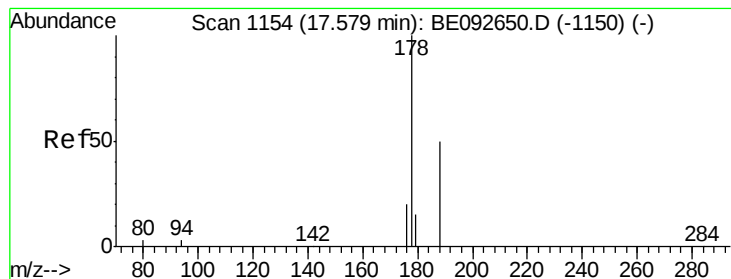
#20
Pentachlorophenol
Concen: 15.68 ng
RT: 17.21 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BE092662.D
Acq: 19 Jan 2017 18:10

Tgt Ion: 266 Resp: 9182
Ion Ratio Lower Upper
266 100
268 66.0 62.5 93.7
264 60.2 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: 4.54 ng

RT: 17.58 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE092662.D

Acq: 19 Jan 2017 18:10

Instrument :

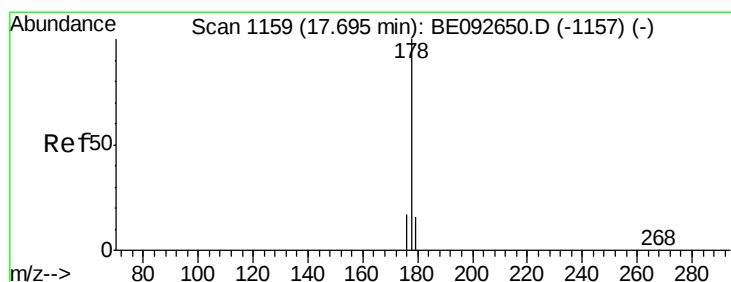
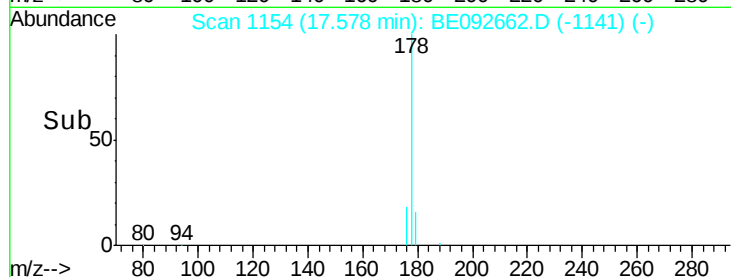
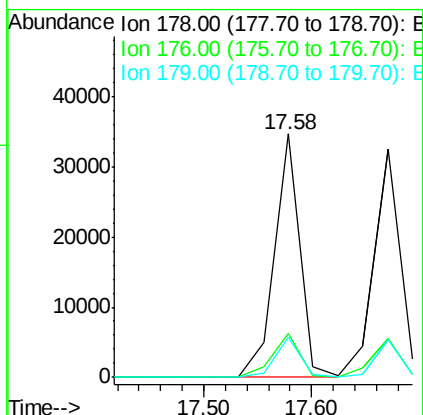
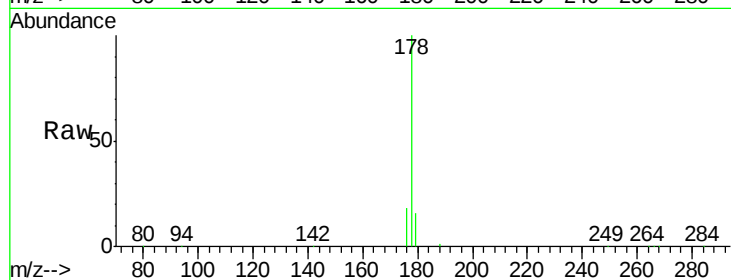
BNA_E

ClientSampleId :

PB96141BS

Tgt Ion:178 Resp: 57107

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.7	16.0	24.0



#22

Anthracene

Concen: 4.83 ng

RT: 17.67 min Scan# 1158

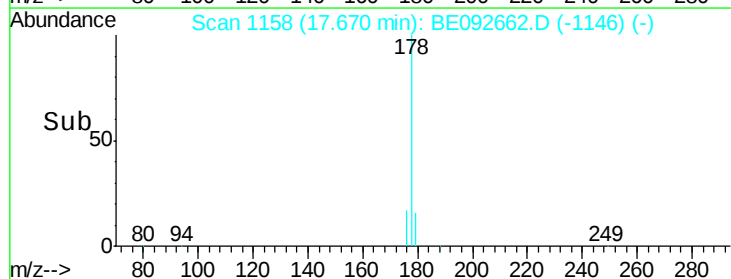
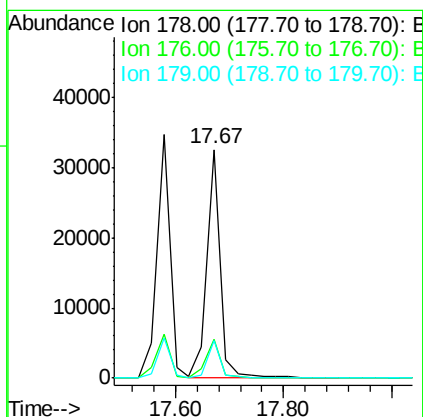
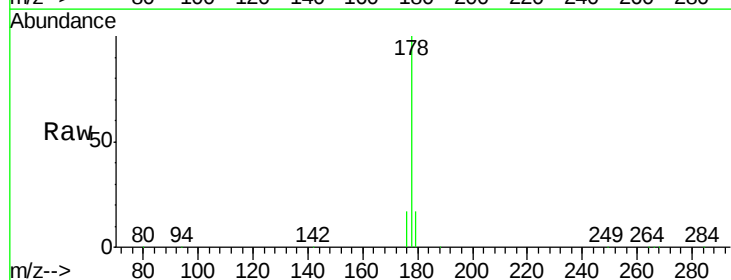
Delta R.T. -0.02 min

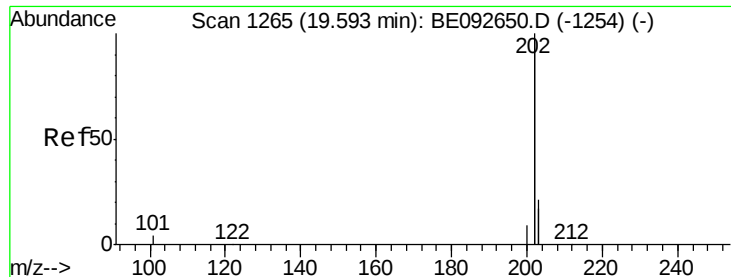
Lab File: BE092662.D

Acq: 19 Jan 2017 18:10

Tgt Ion:178 Resp: 56062

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.4
179	16.0	12.2	18.2

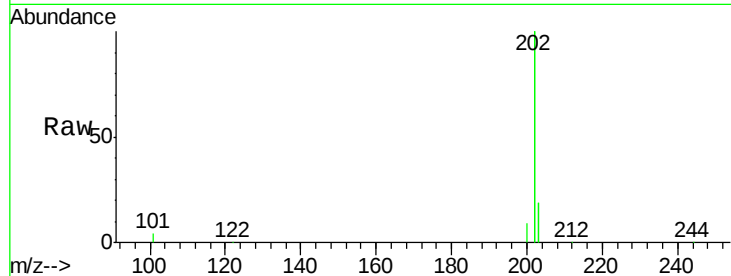




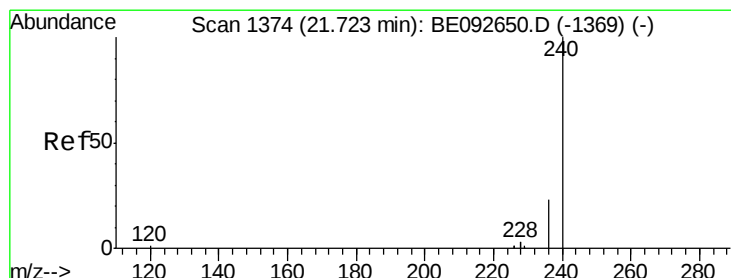
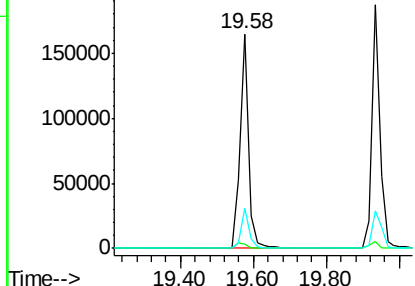
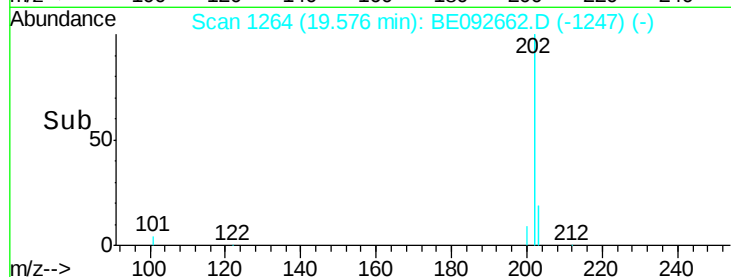
#23
 Fluoranthene
 Concen: 4.64 ng
 RT: 19.58 min Scan# 1264
 Delta R.T. -0.02 min
 Lab File: BE092662.D
 Acq: 19 Jan 2017 18:10

Instrument :
 BNA_E
 ClientSampleId :
 PB96141BS

Tgt Ion: 202 Resp: 258626
 Ion Ratio Lower Upper
 202 100
 101 2.9 2.2 3.4
 203 17.9 13.7 20.5

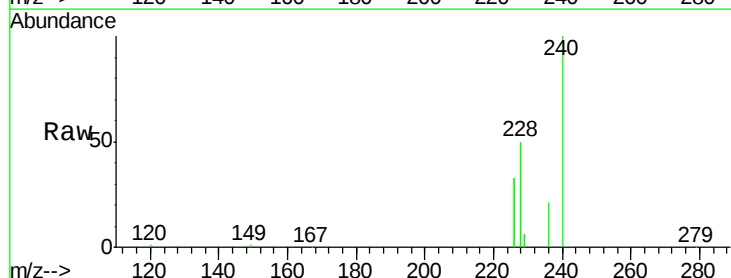


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

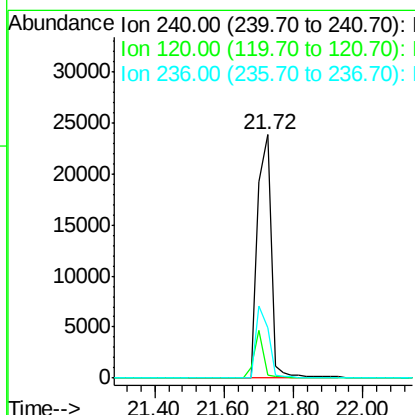
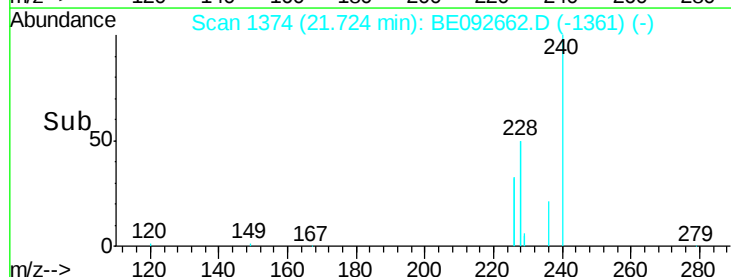


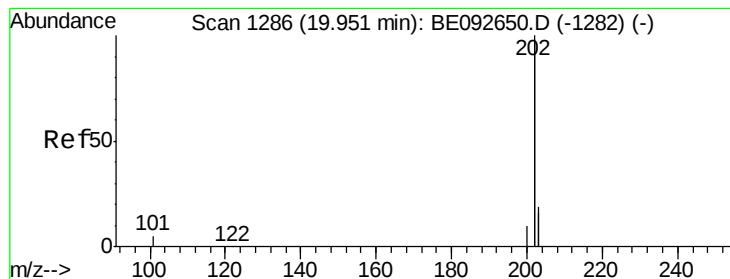
#24
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.72 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: BE092662.D
 Acq: 19 Jan 2017 18:10

Tgt Ion: 240 Resp: 61897
 Ion Ratio Lower Upper
 240 100
 120 1.1 2.6 4.0#
 236 20.9 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: 4.58 ng

RT: 19.93 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BE092662.D

Acq: 19 Jan 2017 18:10

Instrument :

BNA_E

ClientSampleId :

PB96141BS

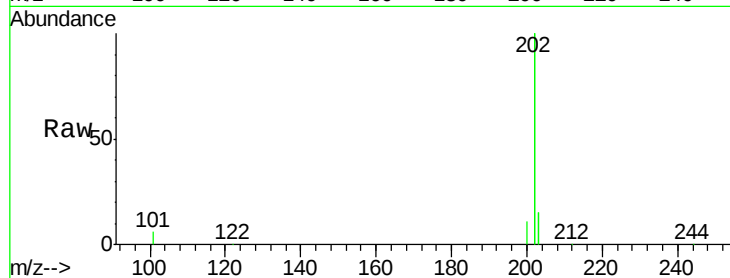
Tgt Ion: 202 Resp: 279665

Ion Ratio Lower Upper

202 100

200 5.3 4.2 6.4

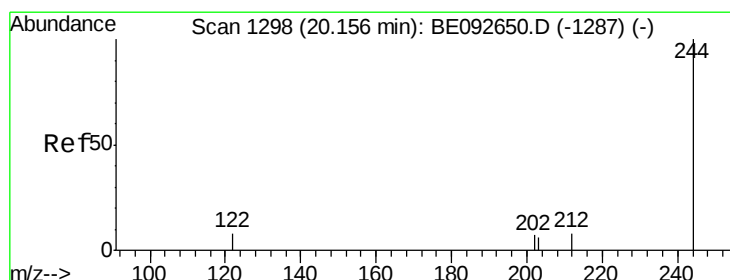
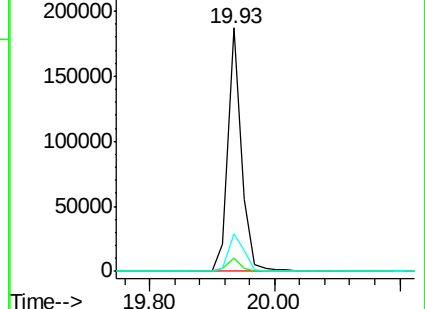
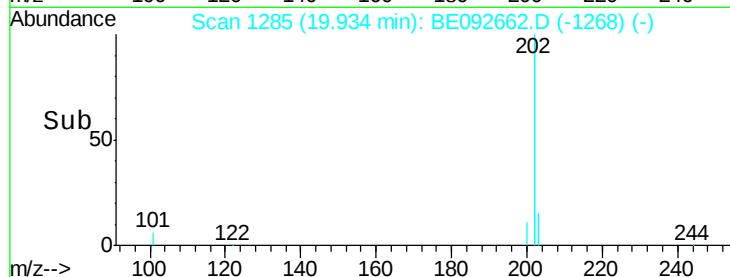
203 17.8 13.9 20.9



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: 4.53 ng

RT: 20.14 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BE092662.D

Acq: 19 Jan 2017 18:10

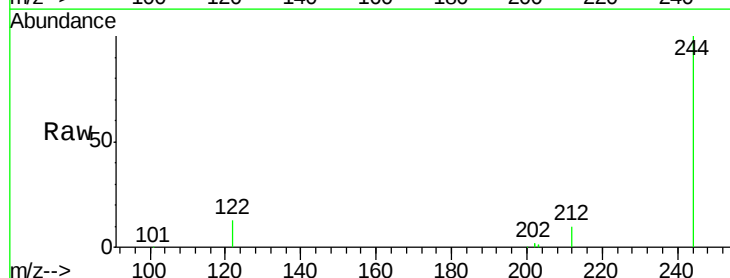
Tgt Ion: 244 Resp: 39662

Ion Ratio Lower Upper

244 100

212 9.9 6.7 10.1

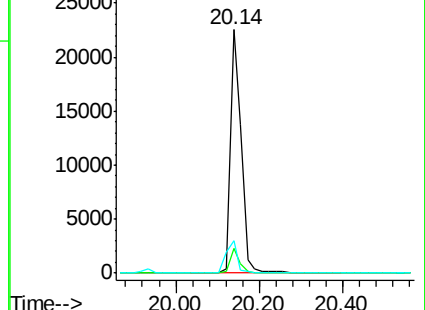
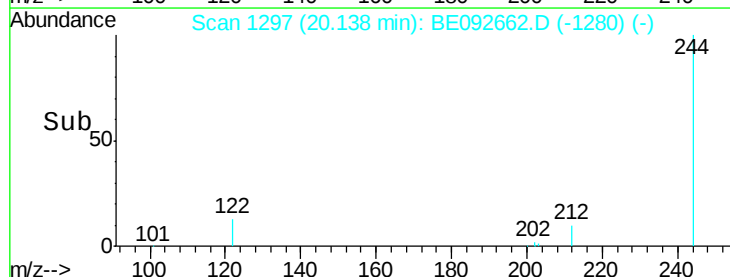
122 13.3 3.6 5.4#

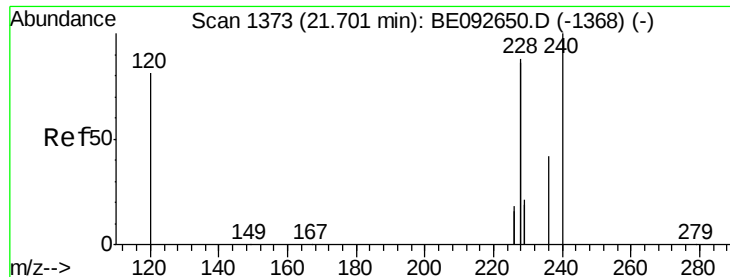


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#27

Benzo(a)anthracene

Concen: 4.54 ng

RT: 21.68 min Scan# 1372

Delta R.T. -0.02 min

Lab File: BE092662.D

Acq: 19 Jan 2017 18:10

Instrument :

BNA_E

ClientSampleId :

PB96141BS

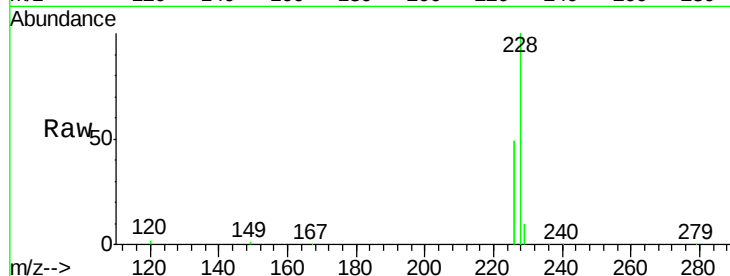
Tgt Ion:228 Resp: 276951

Ion Ratio Lower Upper

228 100

226 48.9 23.6 35.4#

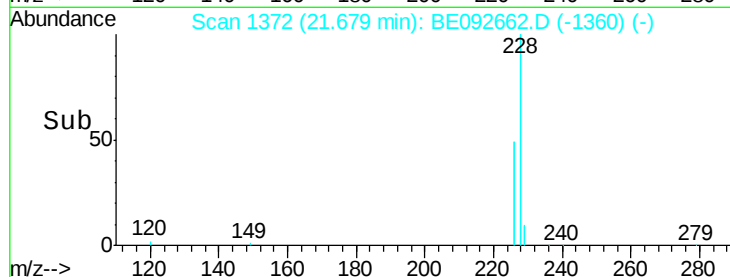
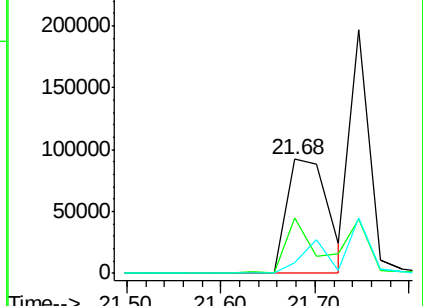
229 9.8 13.3 19.9#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#28

Chrysene

Concen: 4.04 ng

RT: 21.68 min Scan# 1372

Delta R.T. -0.07 min

Lab File: BE092662.D

Acq: 19 Jan 2017 18:10

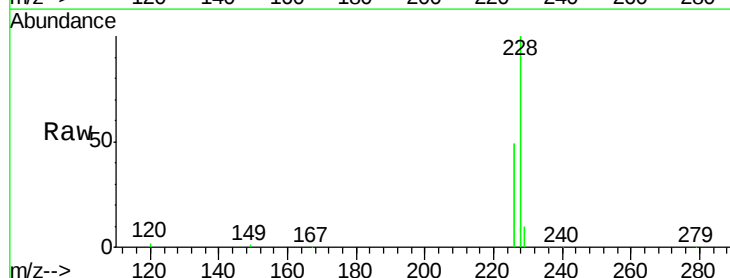
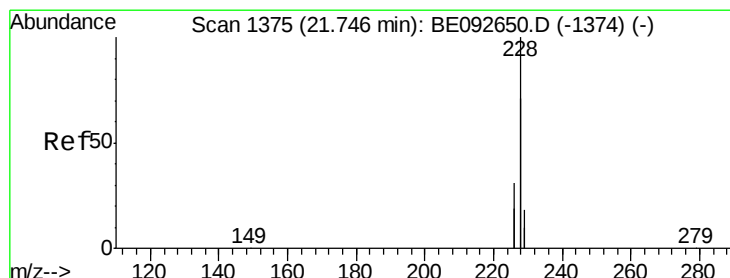
Tgt Ion:228 Resp: 276951

Ion Ratio Lower Upper

228 100

226 48.9 36.3 54.5

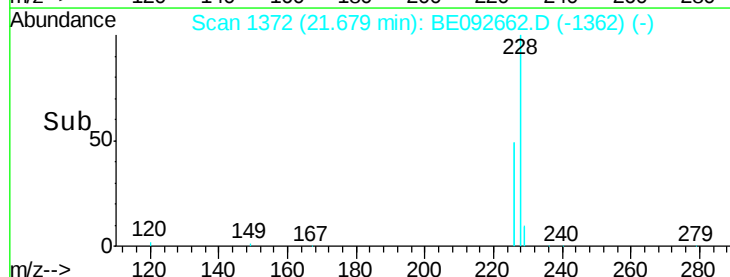
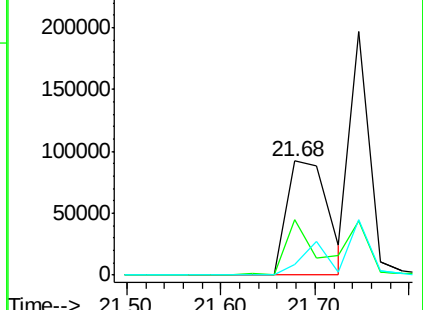
229 9.8 10.6 16.0#

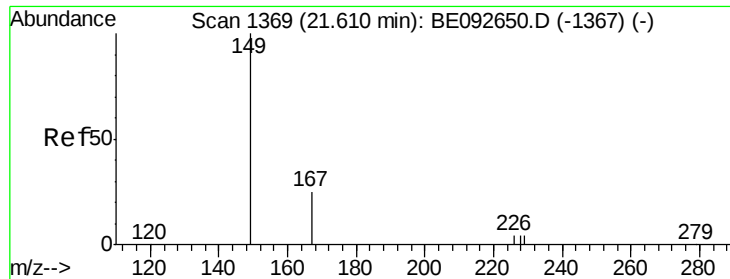


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#29

Bis(2-ethylhexyl)phthalate

Concen: 4.21 ng

RT: 21.61 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BE092662.D

Acq: 19 Jan 2017 18:10

Instrument :

BNA_E

ClientSampleId :

PB96141BS

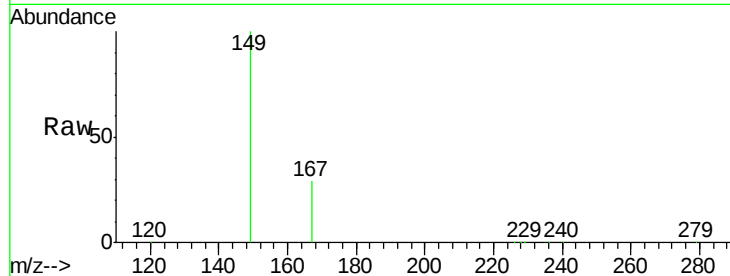
Tgt Ion:149 Resp: 50138

Ion Ratio Lower Upper

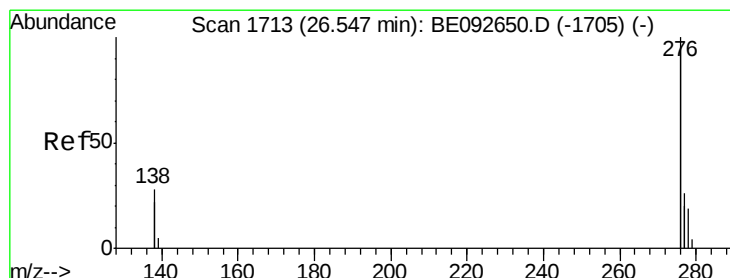
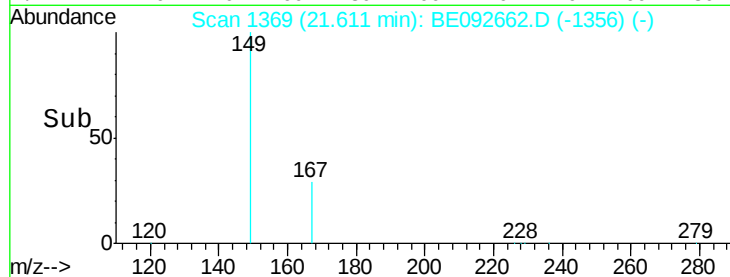
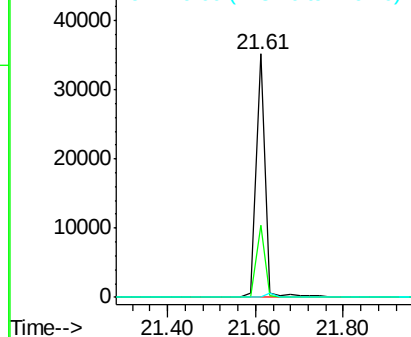
149 100

167 28.7 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: 5.06 ng

RT: 26.53 min Scan# 1712

Delta R.T. -0.02 min

Lab File: BE092662.D

Acq: 19 Jan 2017 18:10

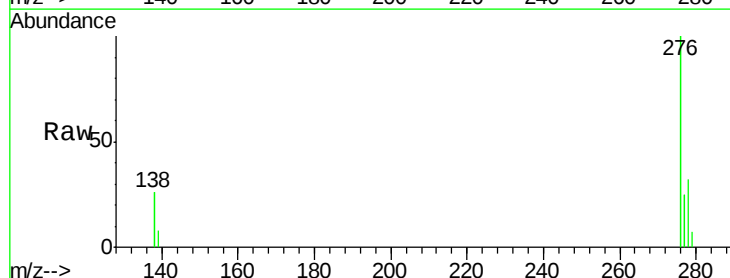
Tgt Ion:276 Resp: 375250

Ion Ratio Lower Upper

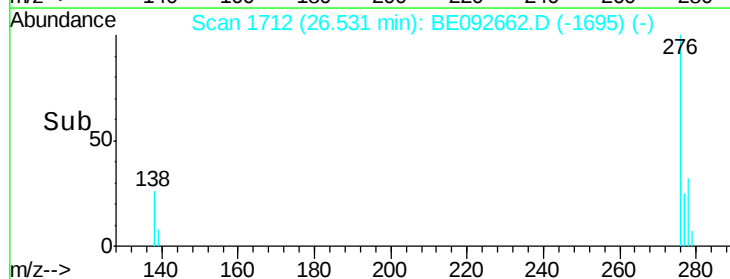
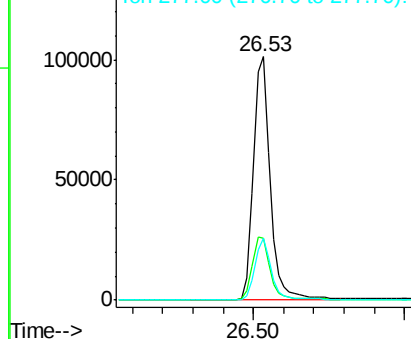
276 100

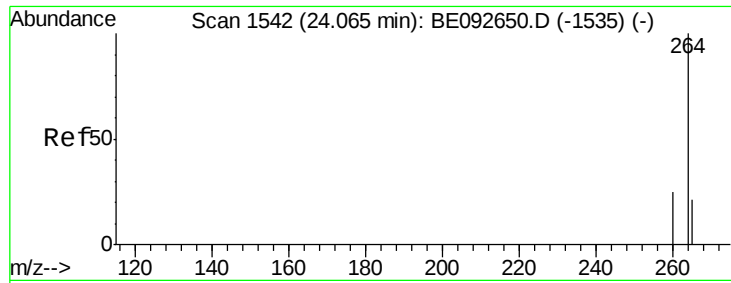
138 27.3 20.3 30.5

277 24.6 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

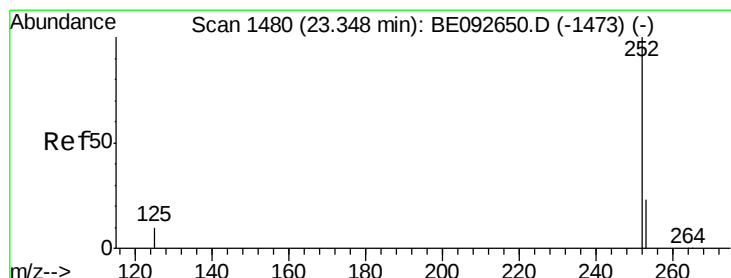
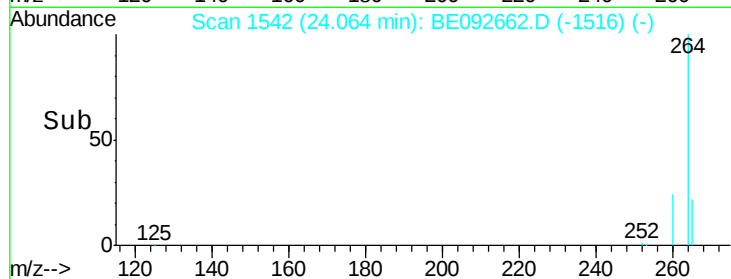
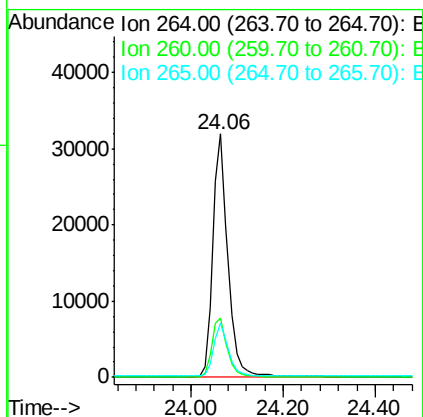
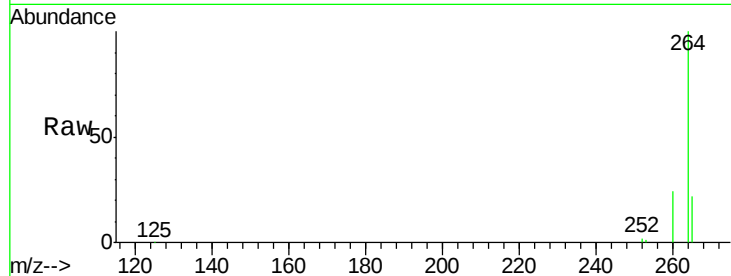




#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.06 min Scan# 1542
 Delta R.T. -0.00 min
 Lab File: BE092662.D
 Acq: 19 Jan 2017 18:10

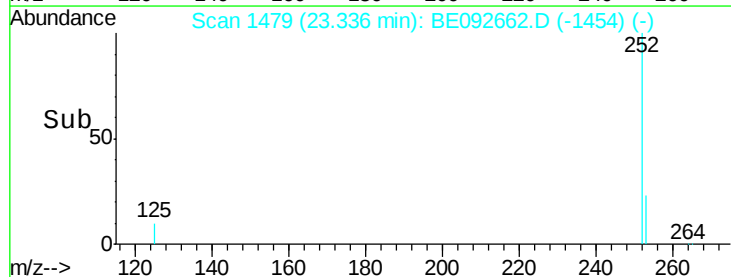
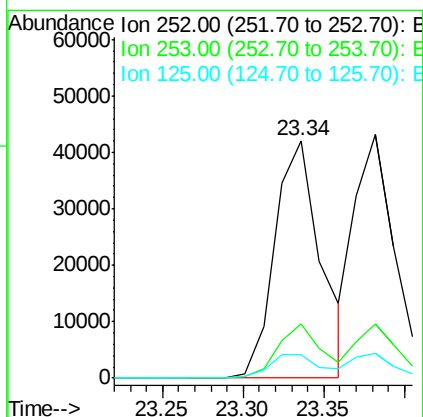
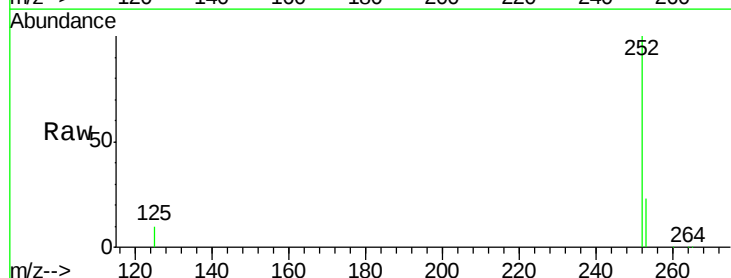
Instrument :
 BNA_E
 ClientSampleId :
 PB96141BS

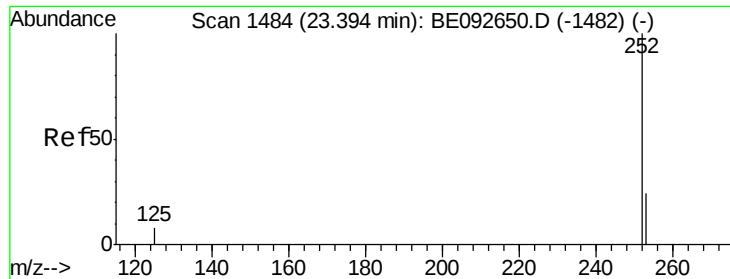
Tgt Ion: 264 Resp: 72482
 Ion Ratio Lower Upper
 264 100
 260 24.3 20.1 30.1
 265 22.4 17.9 26.9



#32
 Benzo(b)fluoranthene
 Concen: 4.77 ng
 RT: 23.34 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: BE092662.D
 Acq: 19 Jan 2017 18:10

Tgt Ion: 252 Resp: 83578
 Ion Ratio Lower Upper
 252 100
 253 23.0 18.7 28.1
 125 9.9 10.5 15.7#





#33

Benzo(k)fluoranthene

Concen: 4.52 ng

RT: 23.38 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BE092662.D

Acq: 19 Jan 2017 18:10

Instrument :

BNA_E

ClientSampleId :

PB96141BS

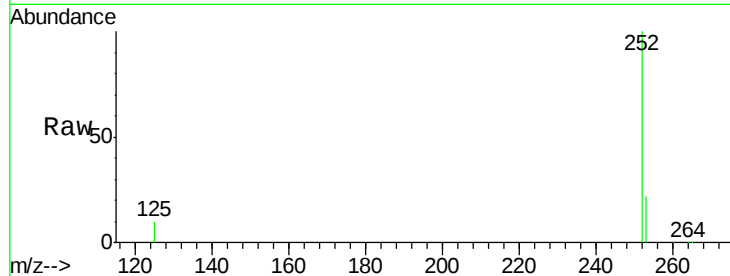
Tgt Ion:252 Resp: 79531

Ion Ratio Lower Upper

252 100

253 22.4 20.3 30.5

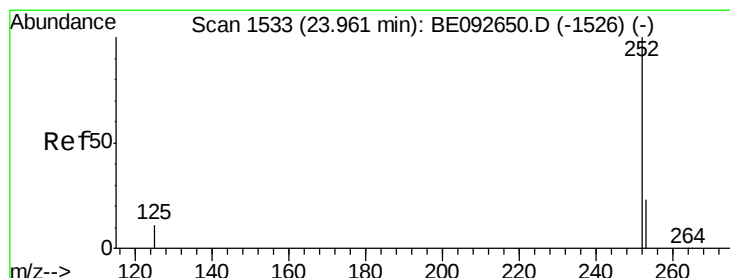
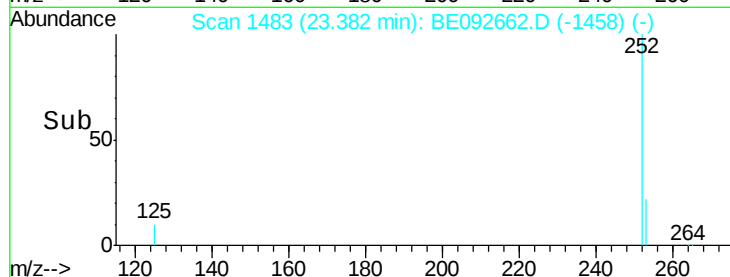
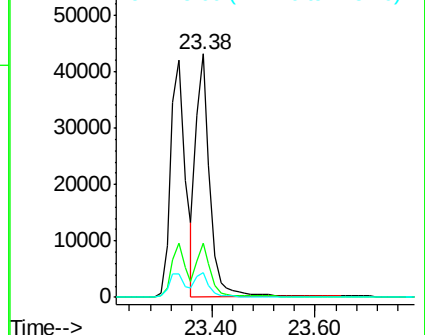
125 10.2 9.6 14.4



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: 4.89 ng

RT: 23.95 min Scan# 1532

Delta R.T. -0.01 min

Lab File: BE092662.D

Acq: 19 Jan 2017 18:10

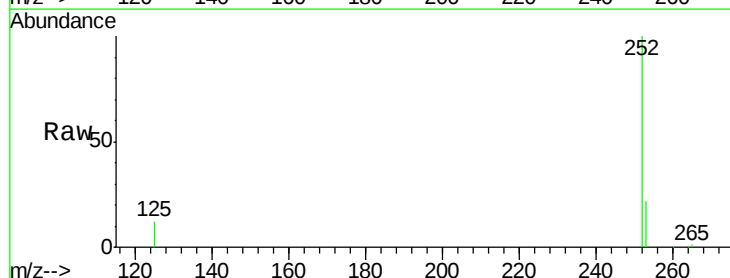
Tgt Ion:252 Resp: 80564

Ion Ratio Lower Upper

252 100

253 22.0 19.0 28.6

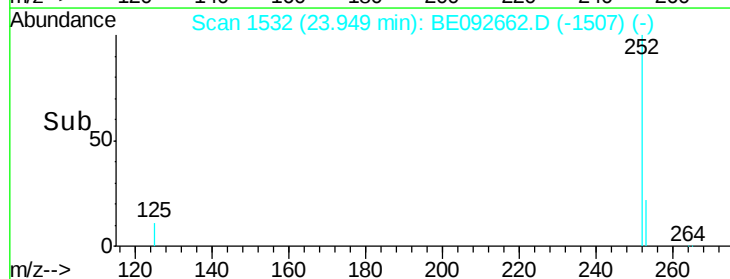
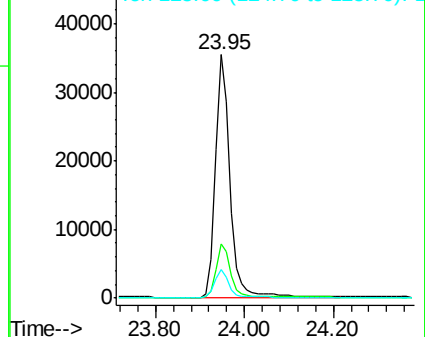
125 11.5 11.8 17.8#

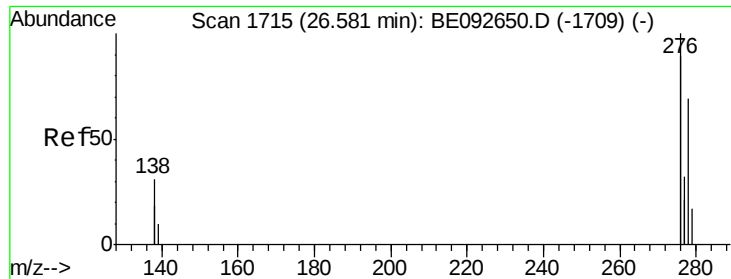


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Dibenzo(a,h)anthracene

Concen: 4.78 ng

RT: 26.55 min Scan# 1713

Delta R.T. -0.03 min

Lab File: BE092662.D

Acq: 19 Jan 2017 18:10

Instrument :

BNA_E

ClientSampleId :

PB96141BS

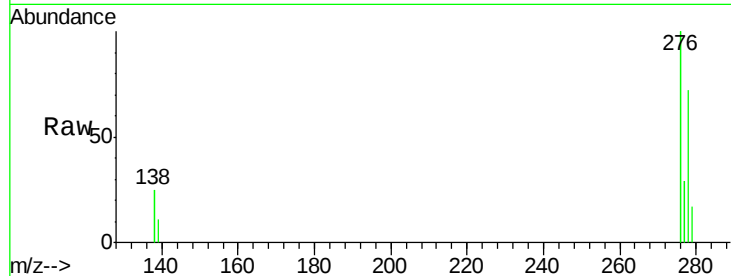
Tgt Ion:278 Resp: 77064

Ion Ratio Lower Upper

278 100

139 15.8 13.8 20.8

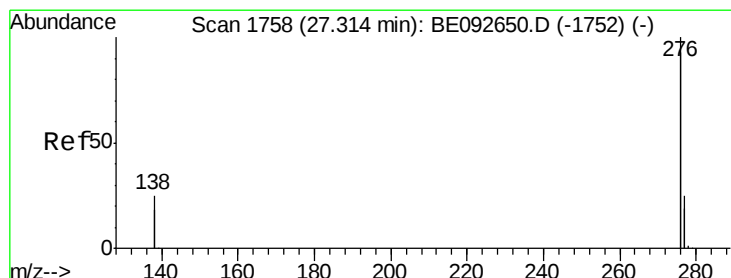
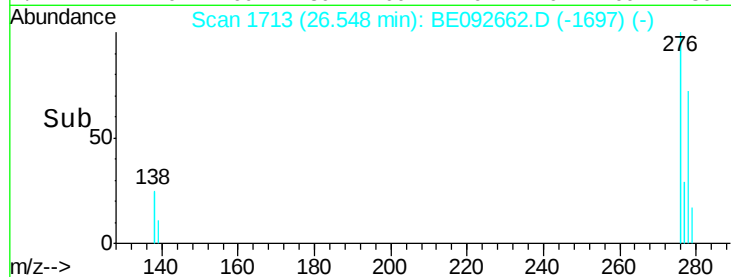
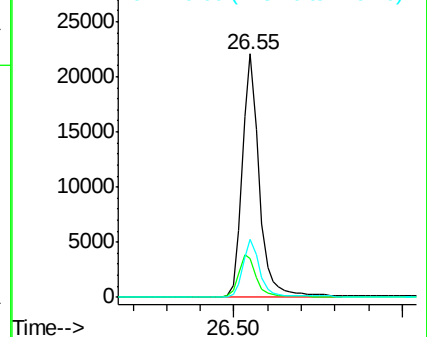
279 24.0 21.4 32.2



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: 4.71 ng

RT: 27.28 min Scan# 1756

Delta R.T. -0.03 min

Lab File: BE092662.D

Acq: 19 Jan 2017 18:10

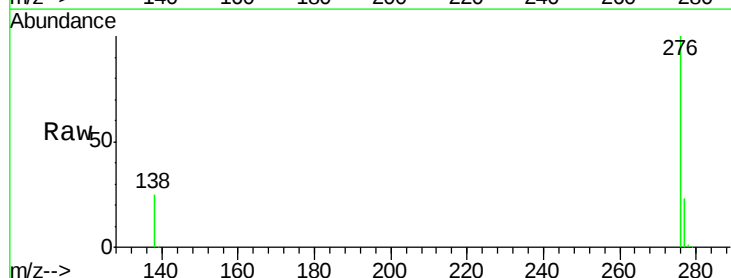
Tgt Ion:276 Resp: 320478

Ion Ratio Lower Upper

276 100

277 23.1 19.8 29.8

138 24.6 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

