

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE052316\
 Data File : BE091848.D
 Acq On : 23 May 2016 15:37
 Operator : UM/SJ
 Sample : PB90774BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB90774BS

Quant Time: May 24 02:20:48 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 19 15:36:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	20618	5.00	ng	-0.02
7) Naphthalene-d8	10.55	136	101092	5.00	ng	-0.02
13) Acenaphthene-d10	14.41	164	70302	5.00	ng	-0.01
19) Phenanthrene-d10	17.14	188	187521	5.00	ng	-0.01
26) Chrysene-d12	21.29	240	288653	5.00	ng	-0.02
35) Perylene-d12	23.73	264	248604	5.00	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	38982	7.23	ng	0.00
5) Phenol-d6	6.95	99	56901	7.50	ng	0.00
8) Nitrobenzene-d5	8.94	82	28720	4.29	ng	-0.01
14) 2,4,6-Tribromophenol	15.89	330	25821	9.46	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	77848	3.91	ng	-0.01
29) Terphenyl-d14	19.74	244	167083	4.09	ng	-0.02

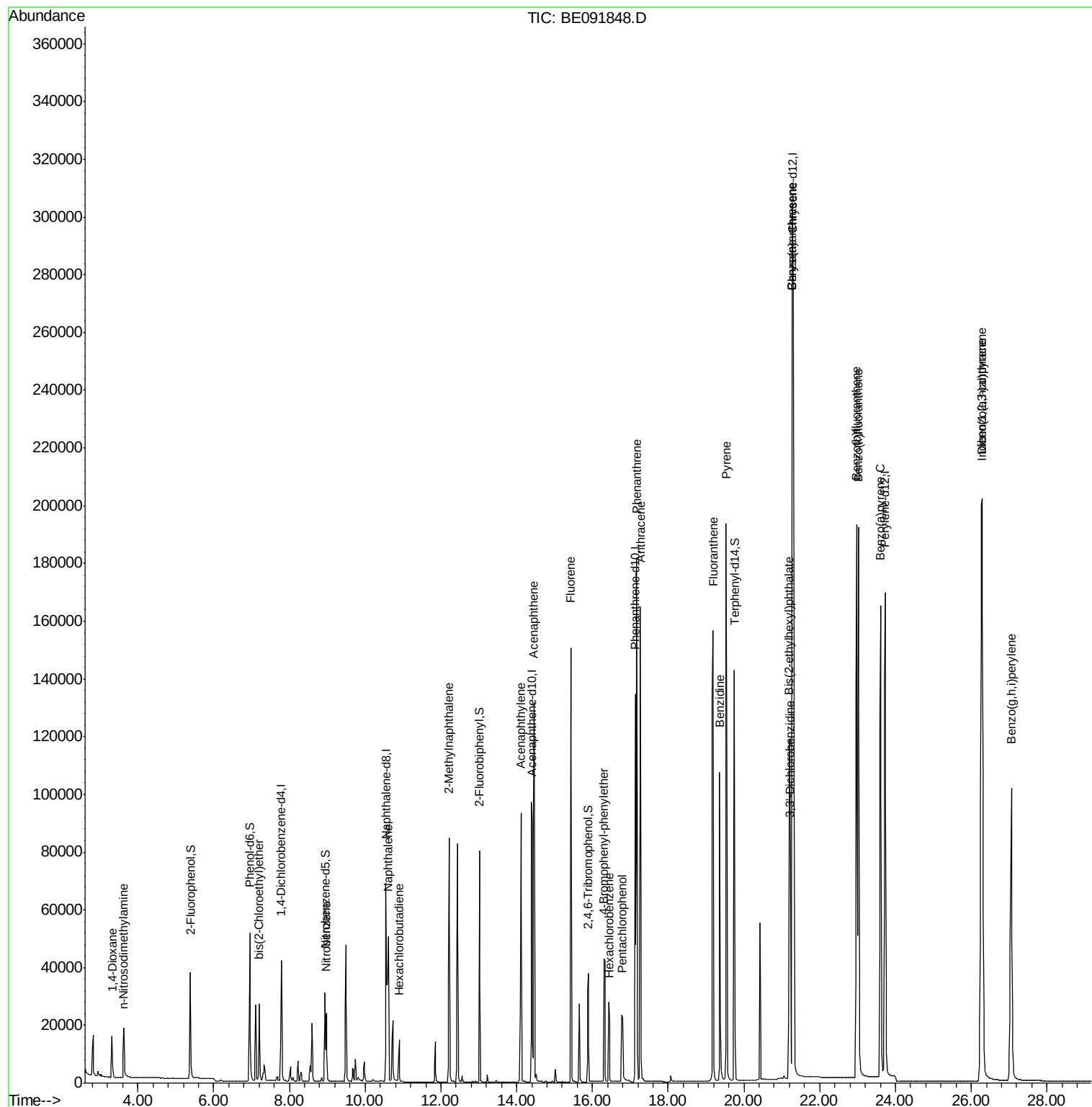
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	9409	4.18	ng	99
3) n-Nitrosodimethylamine	3.61	42	14017	4.26	ng	# 96
6) bis(2-Chloroethyl)ether	7.20	93	24169	3.97	ng	# 77
9) Nitrobenzene	8.97	77	29857	4.33	ng	93
10) Naphthalene	10.61	128	82812	3.70	ng	97
11) Hexachlorobutadiene	10.90	225	13761	4.15	ng	96
12) 2-Methylnaphthalene	12.21	142	62243	4.14	ng	98
16) Acenaphthylene	14.11	152	124765	3.98	ng	# 86
17) Acenaphthene	14.46	154	71024	3.77	ng	90
18) Fluorene	15.43	166	100668	4.12	ng	97
20) 4-Bromophenyl-phenylether	16.31	248	30193	4.31	ng	93
21) Hexachlorobenzene	16.45	284	29984	4.11	ng	98
22) Pentachlorophenol	16.79	266	24571	8.14	ng	# 90
23) Phenanthrene	17.17	178	186956	5.08	ng	99
24) Anthracene	17.26	178	183725	4.50	ng	99
25) Fluoranthene	19.19	202	228379	4.58	ng	97
27) Benzidine	19.36	184	130667	4.73	ng	# 75
28) Pyrene	19.53	202	242476	3.83	ng	99
30) Benzo(a)anthracene	21.27	228	508823	7.31	ng	95
31) 3,3'-Dichlorobenzidine	21.22	252	73117	1.65	ng	# 79
32) Chrysene	21.27	228	510437	8.51	ng	97
33) Bis(2-ethylhexyl)phthalate	21.20	149	120218	3.13	ng	# 79
34) Indeno(1,2,3-cd)pyrene	26.27	276	291378	4.08	ng	95
36) Benzo(b)fluoranthene	22.97	252	271319	4.36	ng	# 96
37) Benzo(k)fluoranthene	23.02	252	257985	4.05	ng	# 97
38) Benzo(a)pyrene	23.61	252	255500	4.30	ng	# 96
39) Dibenzo(a,h)anthracene	26.28	278	244059	4.21	ng	95
40) Benzo(g,h,i)perylene	27.06	276	246587	4.12	ng	# 93

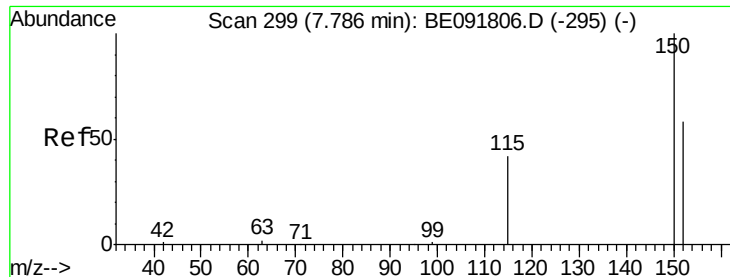
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.79 min Scan# 299

Delta R.T. -0.02 min

Lab File: BE091848.D

Acq: 23 May 2016 15:37

Instrument :

BNA_E

ClientSampleId :

PB90774BS

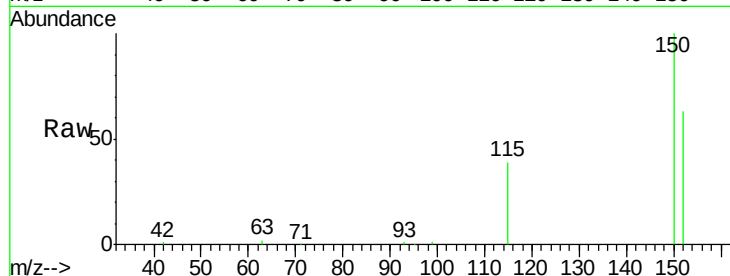
Tgt Ion:152 Resp: 20618

Ion Ratio Lower Upper

152 100

150 157.7 122.6 183.8

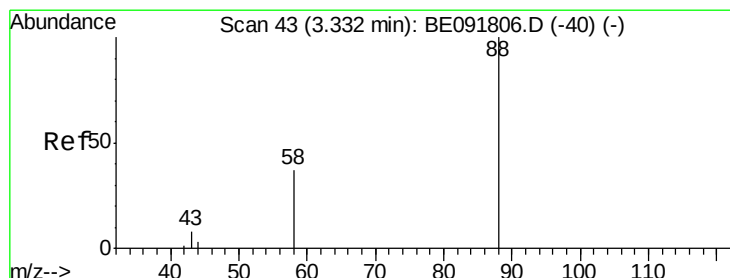
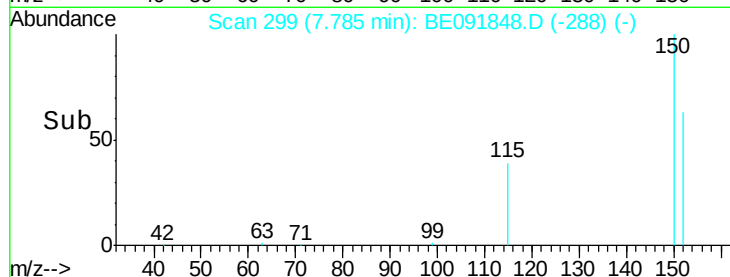
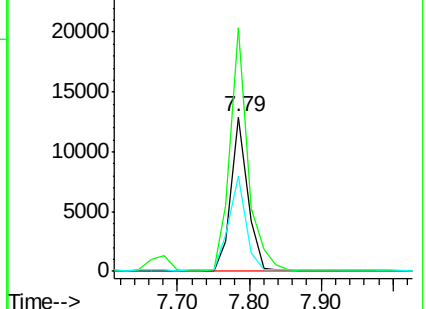
115 61.4 52.8 79.2



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: 4.18 ng

RT: 3.31 min Scan# 42

Delta R.T. -0.02 min

Lab File: BE091848.D

Acq: 23 May 2016 15:37

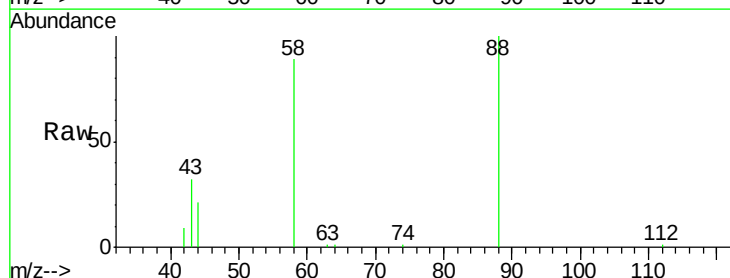
Tgt Ion: 88 Resp: 9409

Ion Ratio Lower Upper

88 100

58 82.3 65.8 98.6

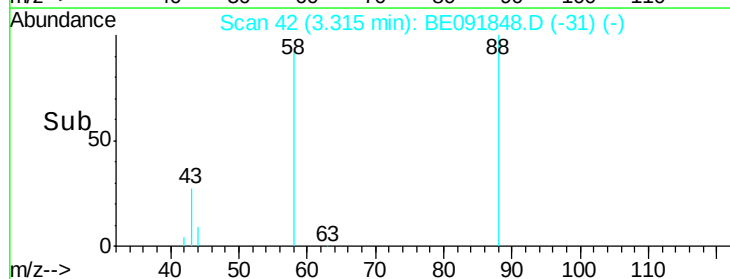
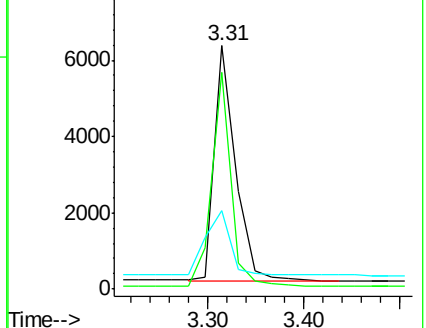
43 32.6 25.3 37.9

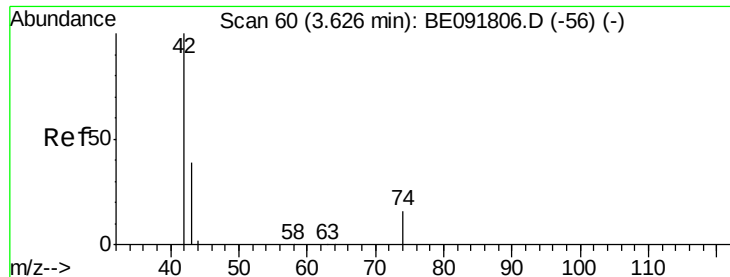


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 4.26 ng

RT: 3.61 min Scan# 59

Delta R.T. -0.02 min

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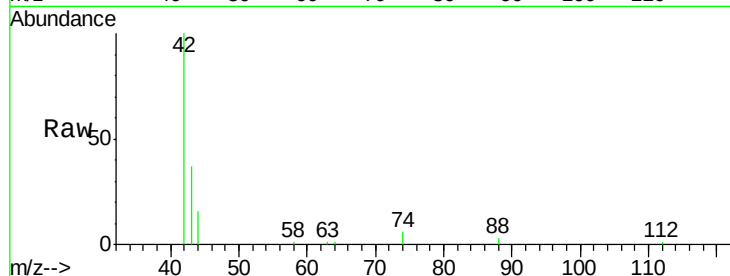
Tgt Ion: 42 Resp: 14017

Ion Ratio Lower Upper

42 100

74 113.9 87.9 131.9

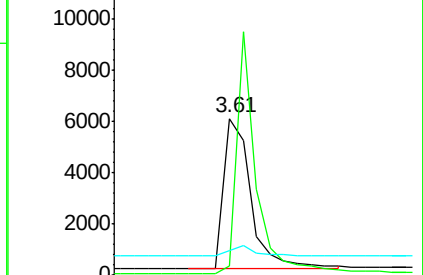
44 6.0 6.6 9.8#



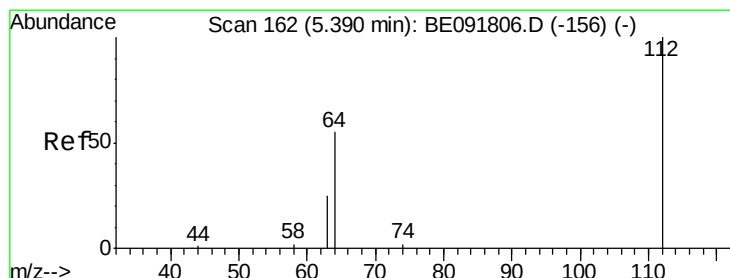
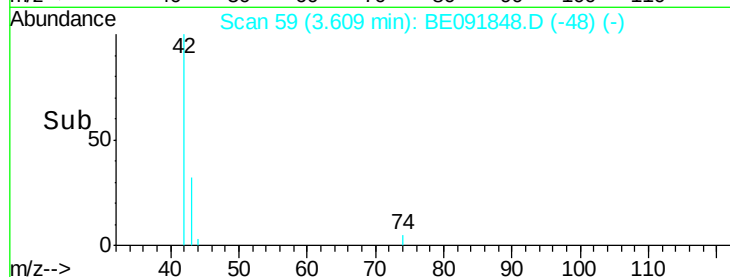
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 7.23 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091848.D

Acq: 23 May 2016 15:37

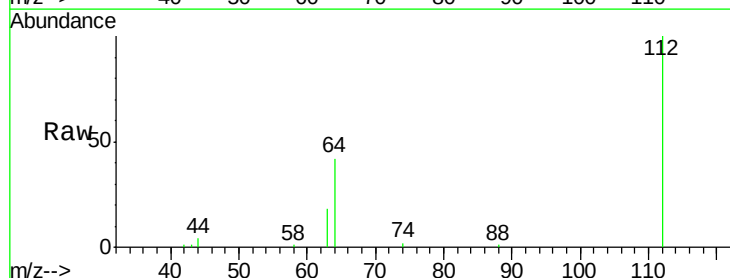
Tgt Ion: 112 Resp: 38982

Ion Ratio Lower Upper

112 100

64 67.6 30.9 46.3#

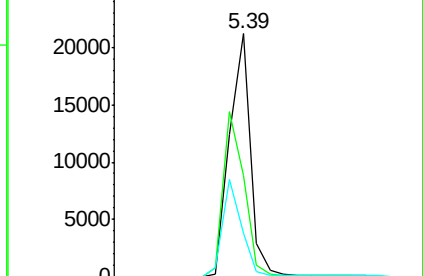
63 36.2 16.7 25.1#



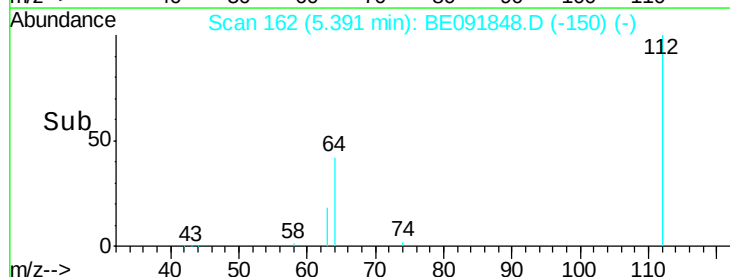
Abundance Ion 112.00 (111.70 to 112.70): BE0

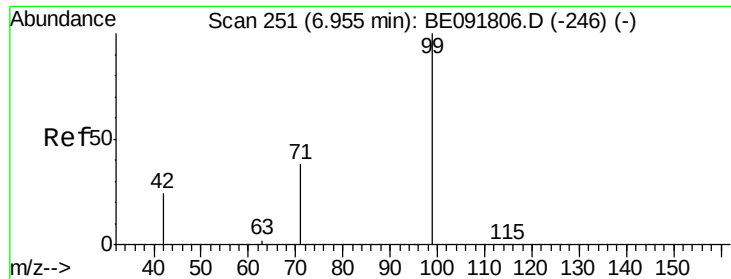
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 7.50 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091848.D

Acq: 23 May 2016 15:37

Instrument :

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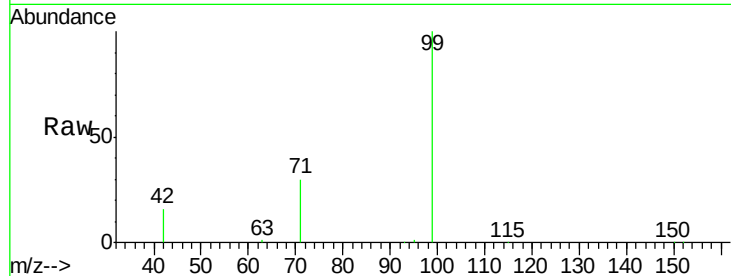
Tgt Ion: 99 Resp: 56901

Ion Ratio Lower Upper

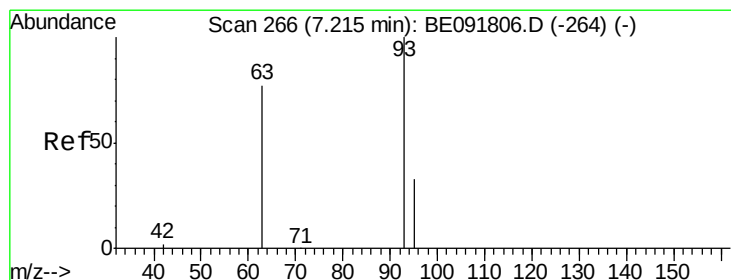
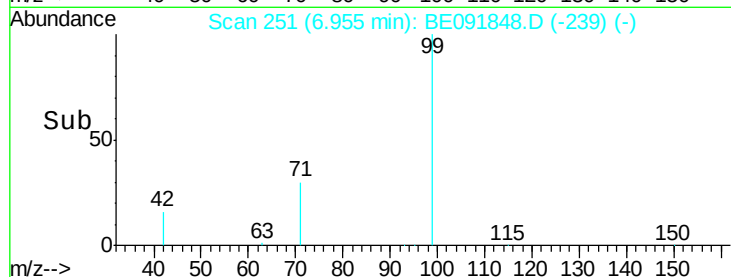
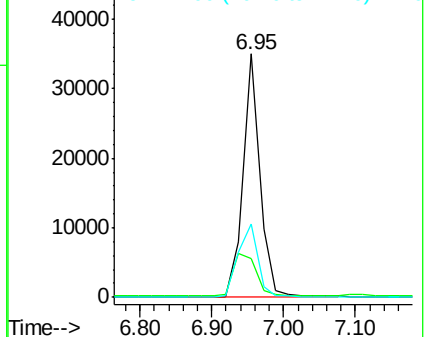
99 100

42 23.8 16.2 24.2

71 35.1 29.0 43.4



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: 3.97 ng

RT: 7.20 min Scan# 265

Delta R.T. -0.02 min

Lab File: BE091848.D

Acq: 23 May 2016 15:37

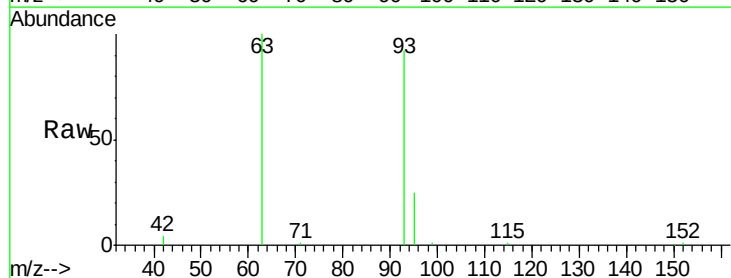
Tgt Ion: 93 Resp: 24169

Ion Ratio Lower Upper

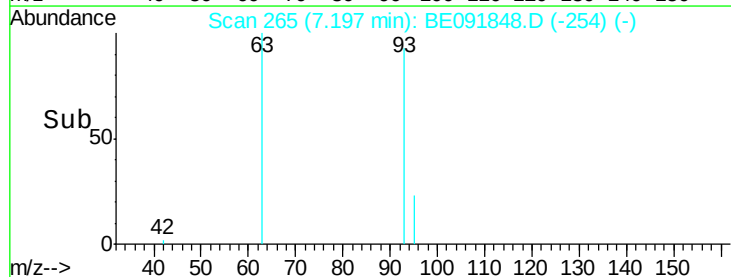
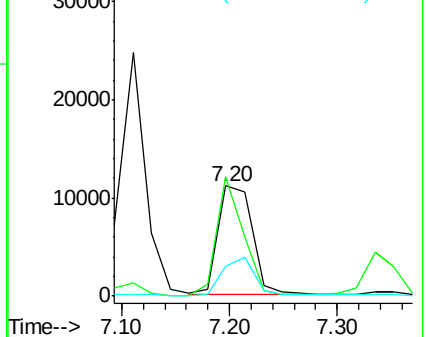
93 100

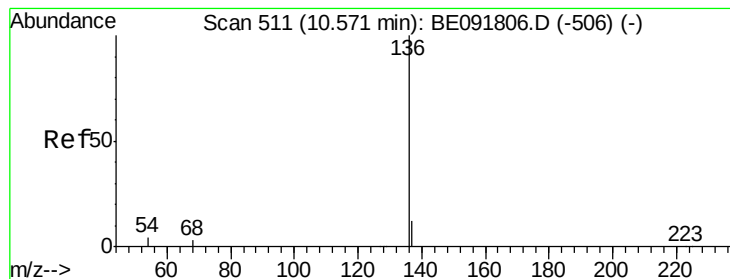
63 84.9 49.5 74.3#

95 32.0 22.2 33.4



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: 10.55 min Scan# 510

Delta R.T. -0.02 min

Lab File: BE091848.D

Acq: 23 May 2016 15:37

Instrument :

BNA_E

ClientSampleId :

PB90774BS

Tgt Ion:136 Resp: 101092

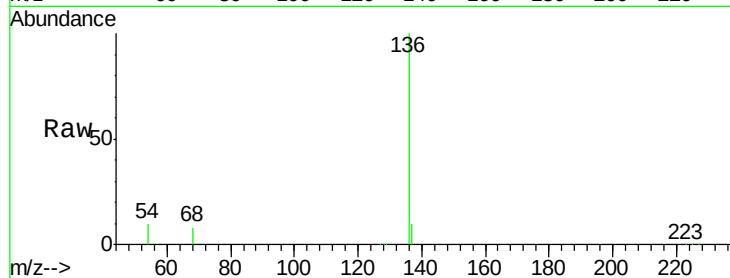
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 10.4 8.2 12.4

68 7.6 6.2 9.4

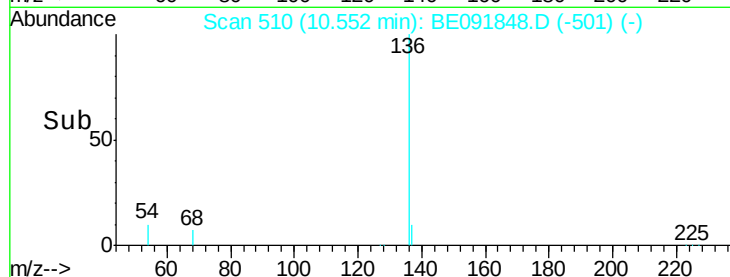


Abundance Ion 136.00 (135.70 to 136.70): E

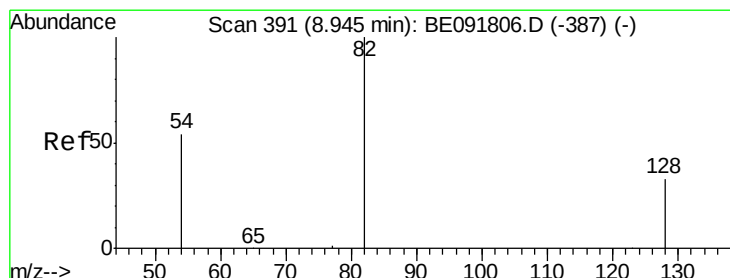
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time--> 10.40 10.50 10.60 10.70



#8

Nitrobenzene-d5

Concen: 4.29 ng

RT: 8.94 min Scan# 390

Delta R.T. -0.01 min

Lab File: BE091848.D

Acq: 23 May 2016 15:37

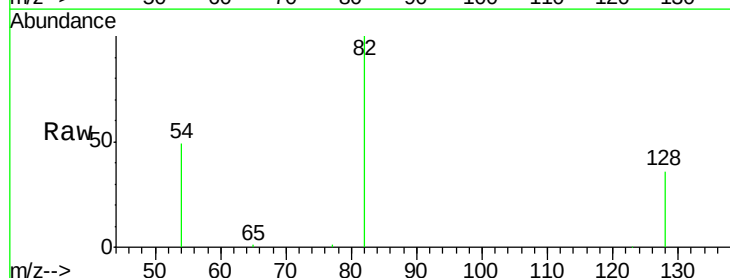
Tgt Ion: 82 Resp: 28720

Ion Ratio Lower Upper

82 100

128 35.8 25.4 38.0

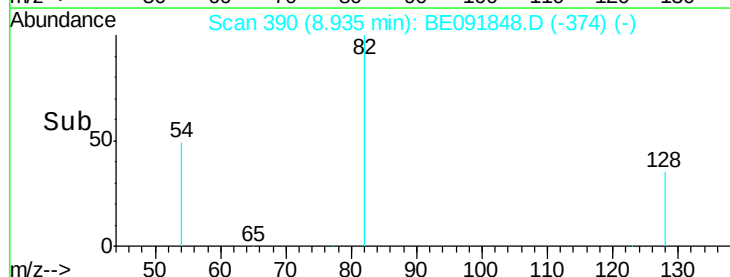
54 49.0 48.4 72.6



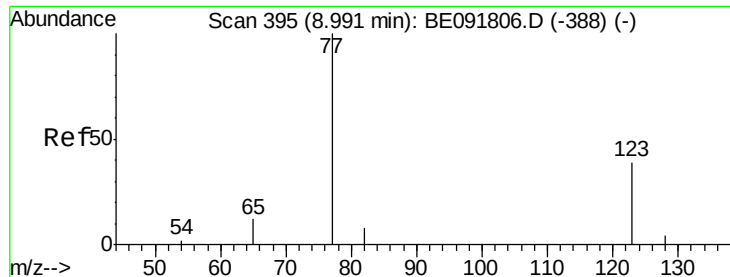
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



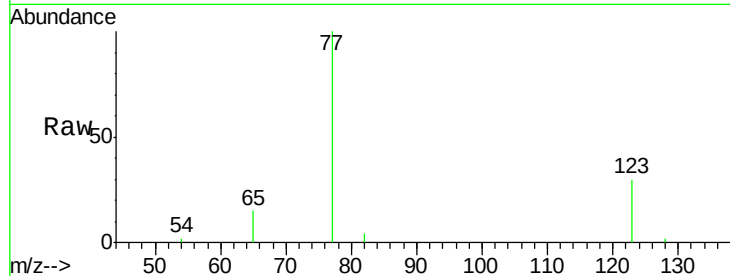
Time--> 8.80 8.90 9.00 9.10



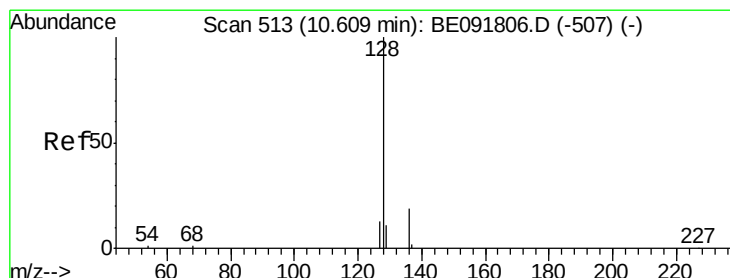
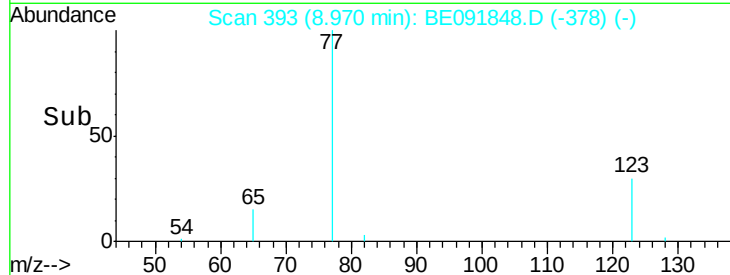
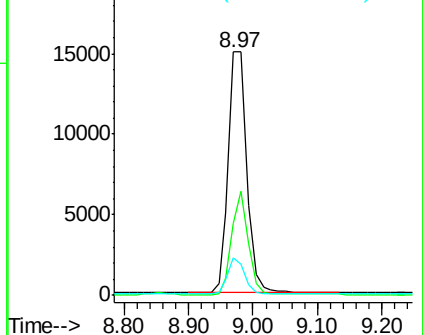
#9
 Nitrobenzene
 Concen: 4.33 ng
 RT: 8.97 min Scan# 393
 Delta R.T. -0.02 min
 Lab File: BE091848.D
 Acq: 23 May 2016 15:37

Instrument :
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 ClientSampleId :
 PB90774BS

Tgt Ion: 77 Resp: 29857
 Ion Ratio Lower Upper
 77 100
 123 38.0 26.9 40.3
 65 14.0 9.4 14.2

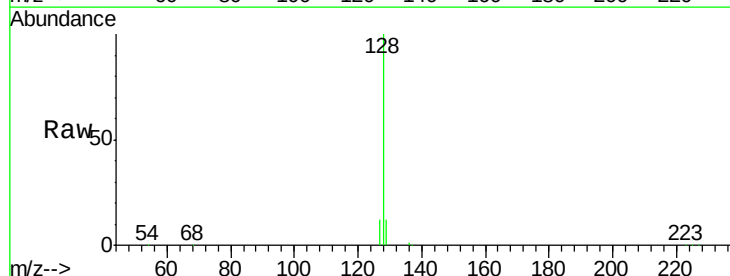


Abundance Ion 77.00 (76.70 to 77.70): BE0
 Ion 123.00 (122.70 to 123.70): BE0
 Ion 65.00 (64.70 to 65.70): BE0

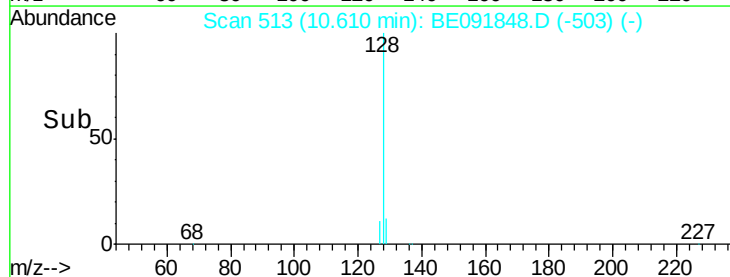
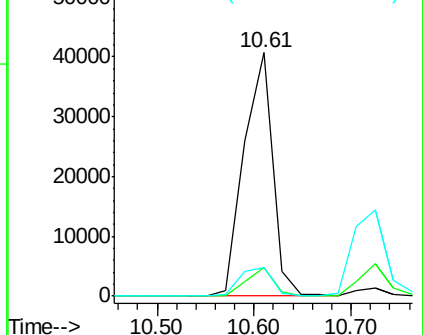


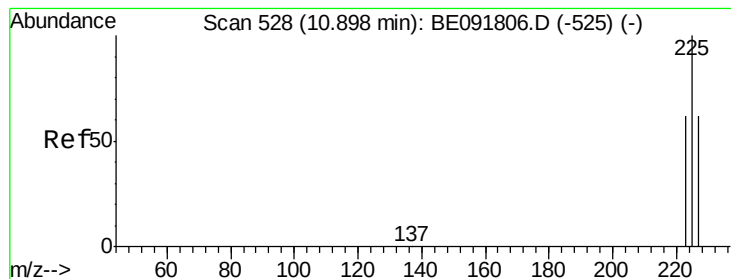
#10
 Naphthalene
 Concen: 3.70 ng
 RT: 10.61 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: BE091848.D
 Acq: 23 May 2016 15:37

Tgt Ion: 128 Resp: 82812
 Ion Ratio Lower Upper
 128 100
 129 11.8 9.3 13.9
 127 11.6 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#11

Hexachlorobutadiene

Concen: 4.15 ng

RT: 10.90 min Scan# 528

Delta R.T. -0.02 min

Lab File: BE091848.D

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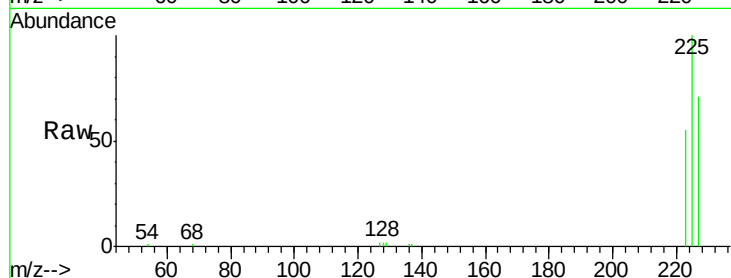
Tgt Ion: 225 Resp: 13761

Ion Ratio Lower Upper

225 100

223 64.5 49.0 73.6

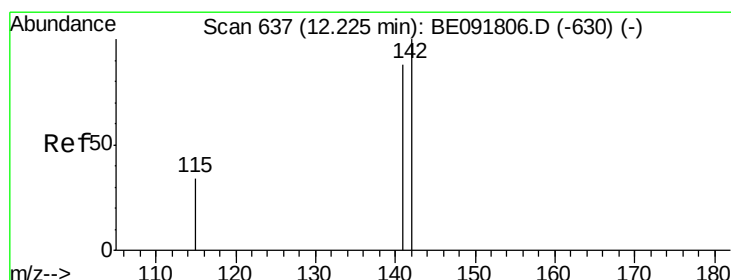
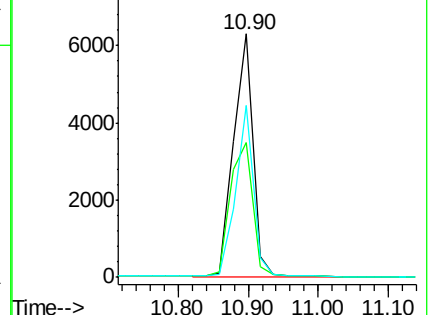
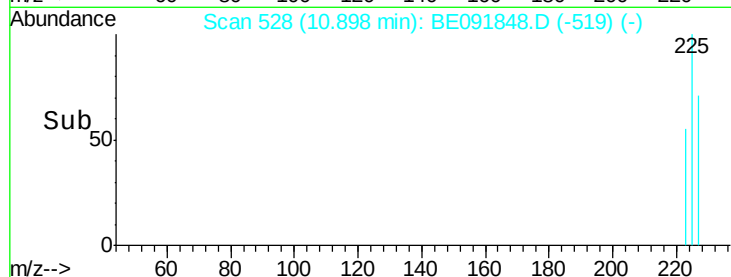
227 66.0 50.3 75.5



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



#12

2-Methylnaphthalene

Concen: 4.14 ng

RT: 12.21 min Scan# 636

Delta R.T. -0.02 min

Lab File: BE091848.D

Acq: 23 May 2016 15:37

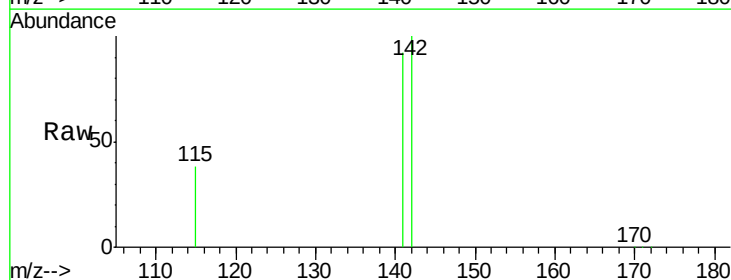
Tgt Ion: 142 Resp: 62243

Ion Ratio Lower Upper

142 100

141 91.5 71.4 107.0

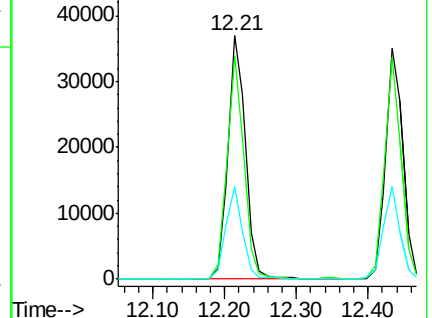
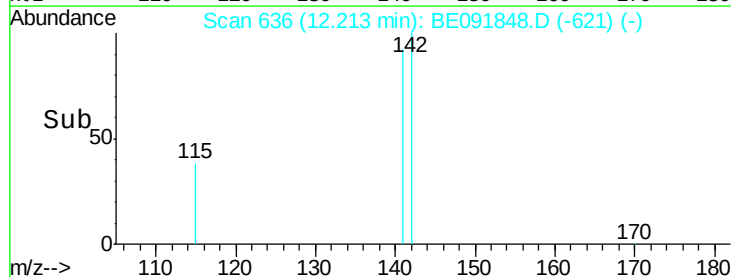
115 37.8 30.3 45.5

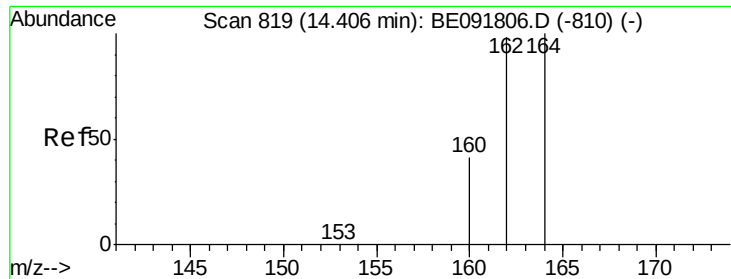


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.41 min Scan# 819

Delta R.T. -0.01 min

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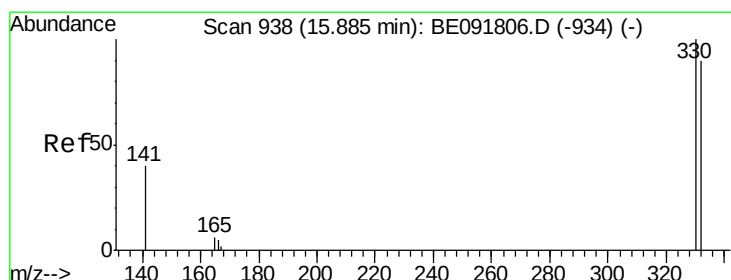
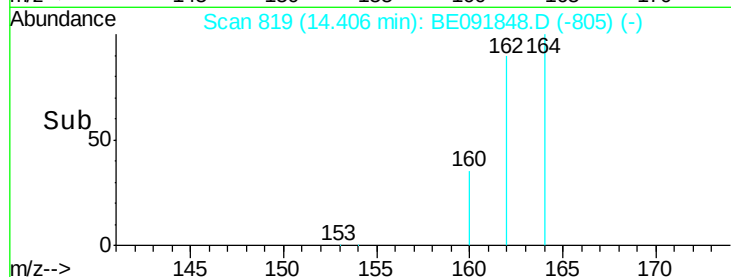
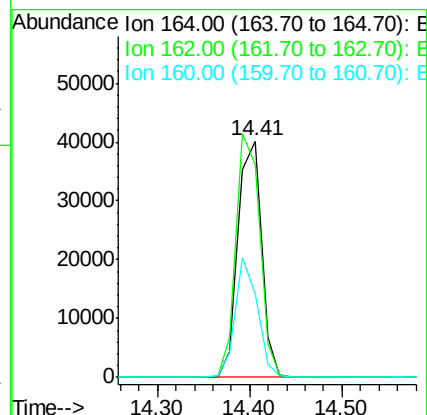
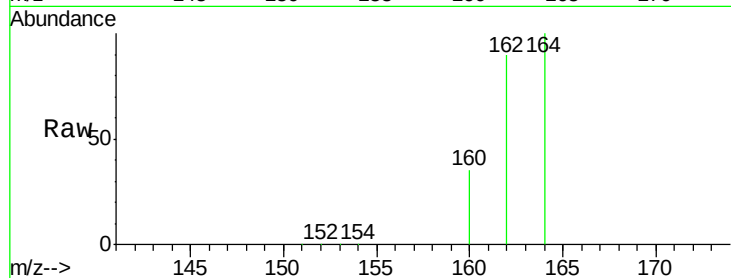
Tgt Ion:164 Resp: 70302

Ion Ratio Lower Upper

164 100

162 90.0 85.3 127.9

160 35.3 46.2 69.2#



#14

2,4,6-Tribromophenol

Concen: 9.46 ng

RT: 15.89 min Scan# 938

Delta R.T. -0.01 min

Lab File: BE091848.D

Acq: 23 May 2016 15:37

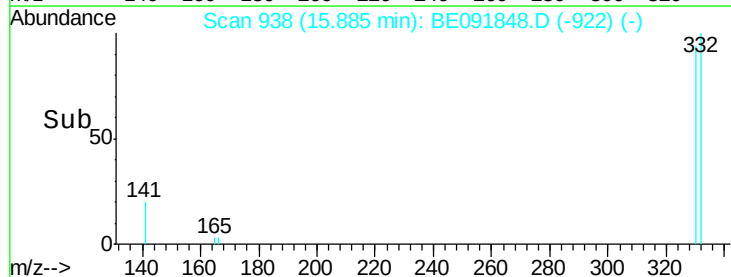
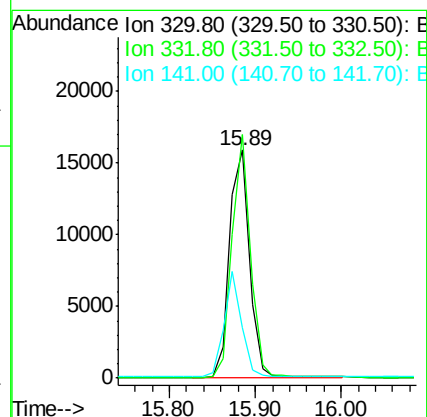
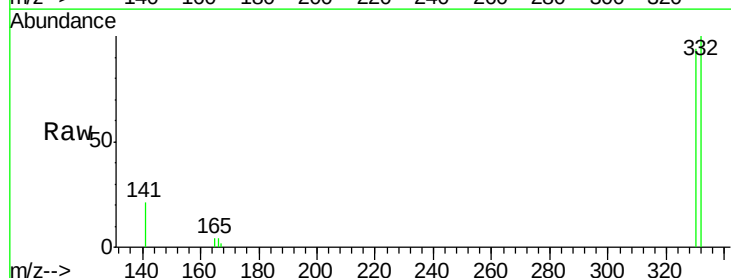
Tgt Ion:330 Resp: 25821

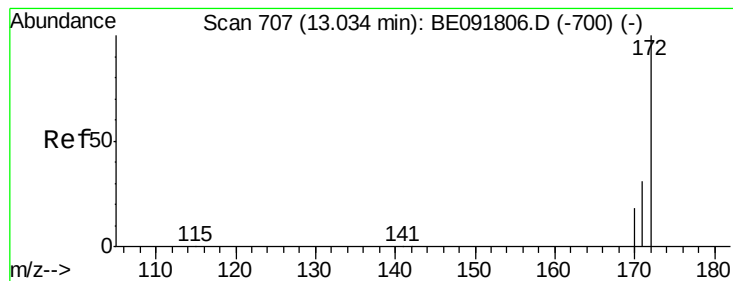
Ion Ratio Lower Upper

330 100

332 97.6 79.1 118.7

141 41.1 125.4 188.0#

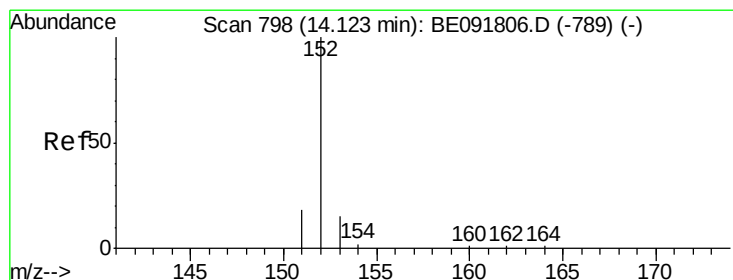
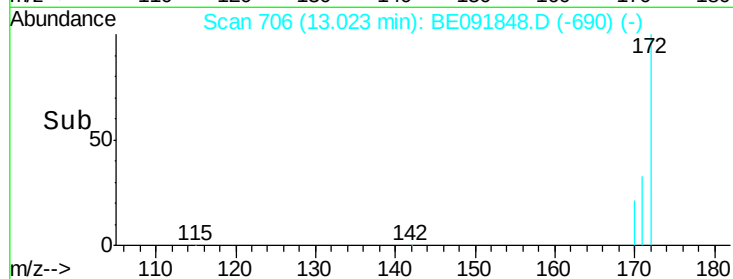
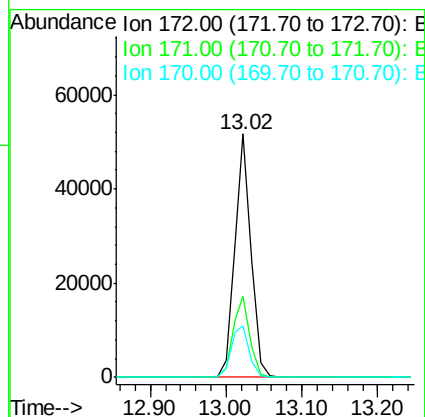
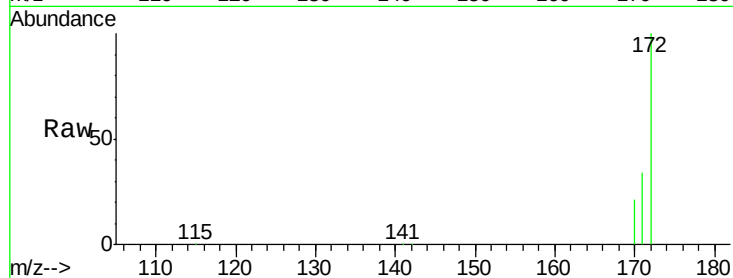




#15
2-Fluorobiphenyl
Concen: 3.91 ng
RT: 13.02 min Scan# 706
Delta R.T. -0.01 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

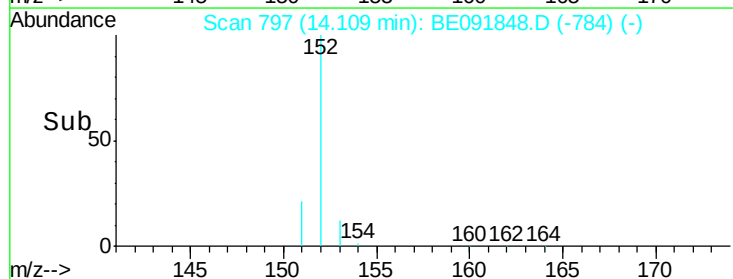
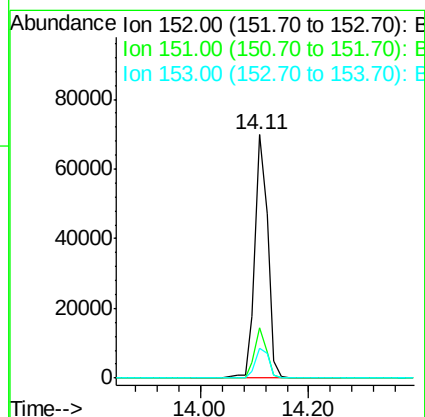
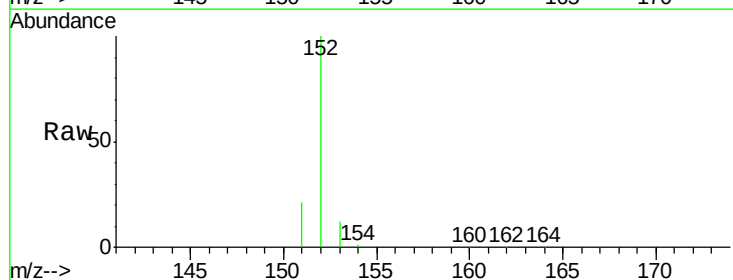
Instrument :
BNA_E
ClientSampleId :
PB90774BS

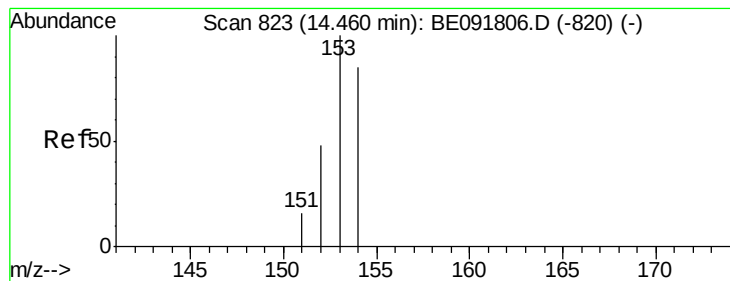
Tgt Ion:172 Resp: 77848
Ion Ratio Lower Upper
172 100
171 33.5 28.8 43.2
170 21.3 19.3 28.9



#16
Acenaphthylene
Concen: 3.98 ng
RT: 14.11 min Scan# 797
Delta R.T. -0.01 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:152 Resp: 124765
Ion Ratio Lower Upper
152 100
151 20.1 3.9 5.9#
153 13.8 10.3 15.5





#17

Acenaphthene

Concen: 3.77 ng

RT: 14.46 min Scan# 823

Delta R.T. -0.01 min

Lab File: BE091848.D

Acq: 23 May 2016 15:37

Instrument :

BNA_E

ClientSampleId :

PB90774BS

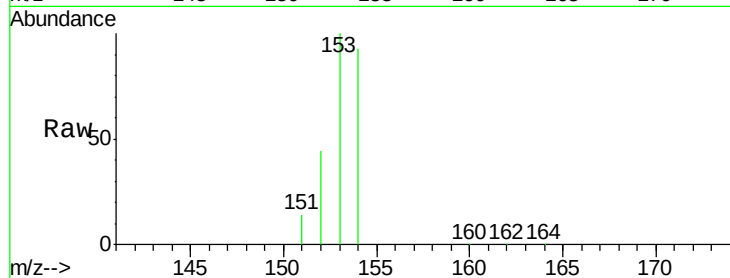
Tgt Ion:154 Resp: 71024

Ion Ratio Lower Upper

154 100

153 111.8 80.0 120.0

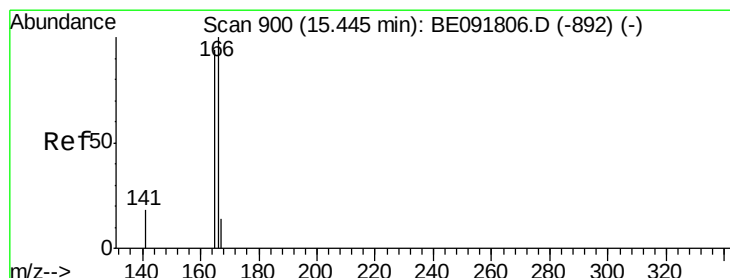
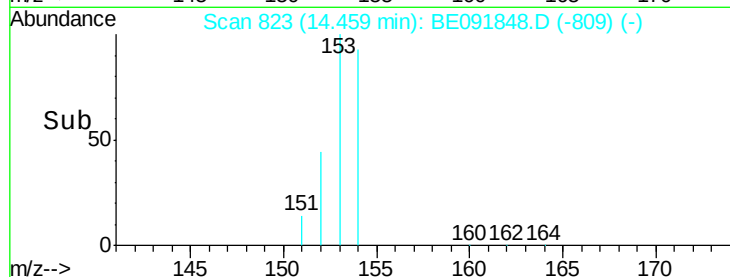
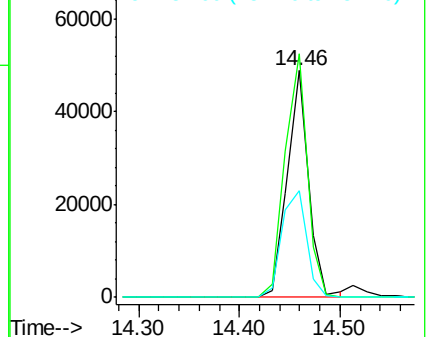
152 54.6 40.0 60.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 4.12 ng

RT: 15.43 min Scan# 899

Delta R.T. -0.02 min

Lab File: BE091848.D

Acq: 23 May 2016 15:37

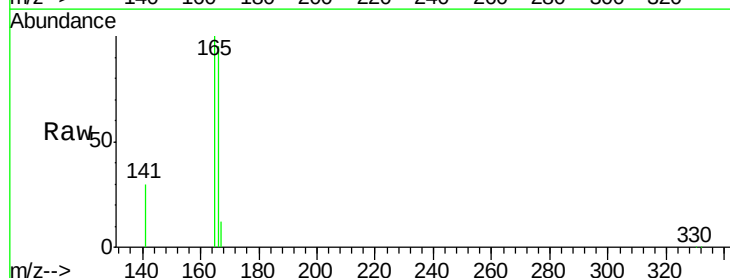
Tgt Ion:166 Resp: 100668

Ion Ratio Lower Upper

166 100

165 97.7 80.8 121.2

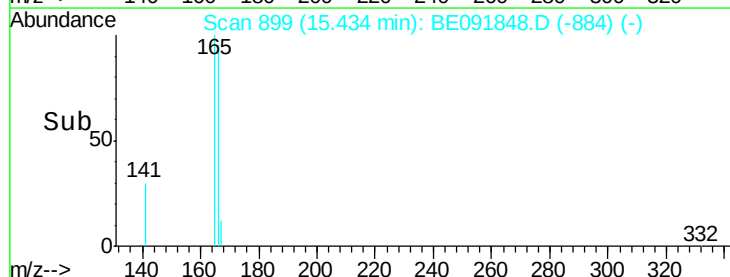
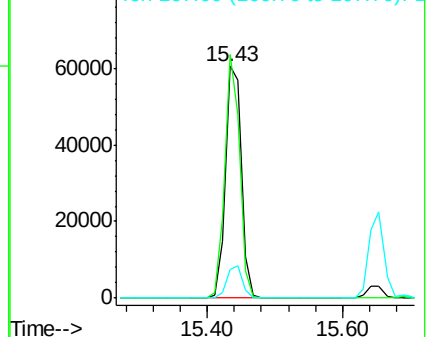
167 13.6 10.9 16.3

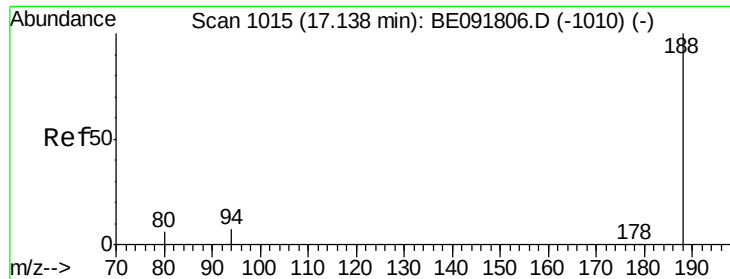


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

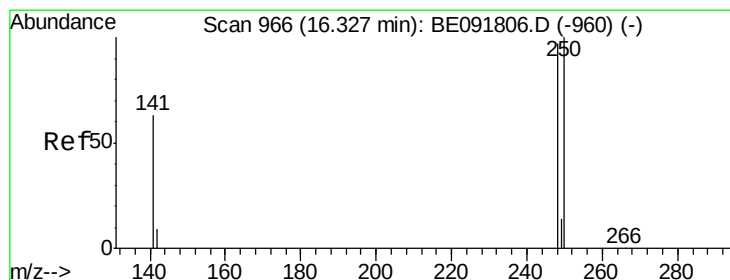
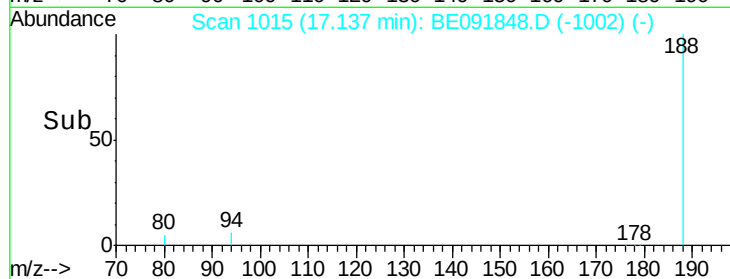
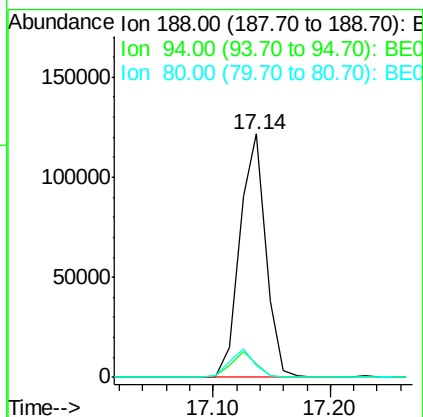
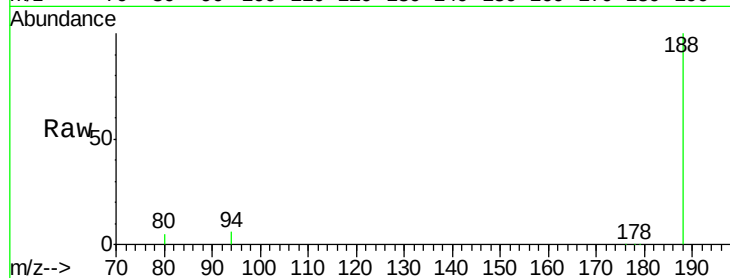




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

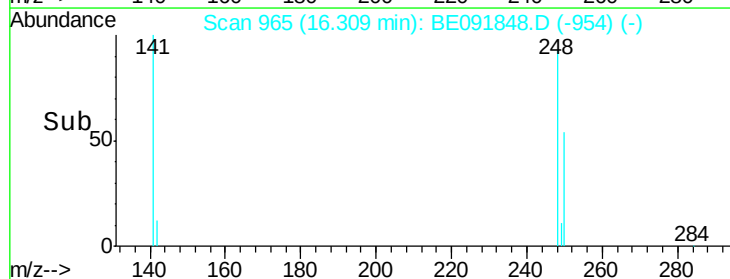
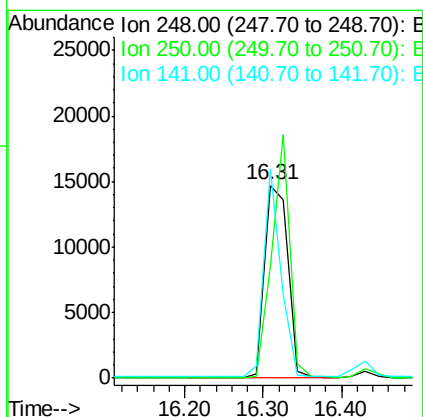
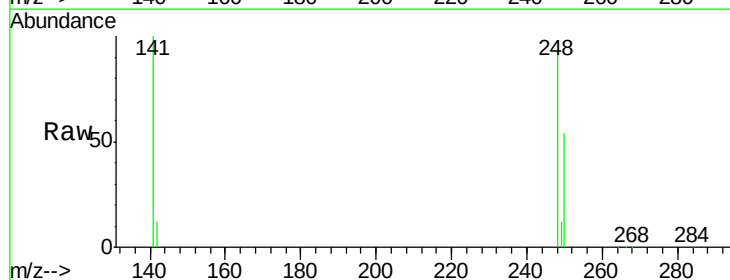
Instrument :
BNA_E
ClientSampleId :
PB90774BS

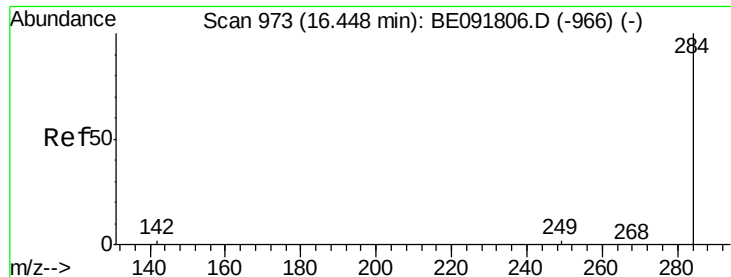
Tgt Ion:188 Resp: 187521
Ion Ratio Lower Upper
188 100
94 5.5 8.7 13.1#
80 4.7 9.4 14.0#



#20
4-Bromophenyl-phenylether
Concen: 4.31 ng
RT: 16.31 min Scan# 965
Delta R.T. -0.02 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:248 Resp: 30193
Ion Ratio Lower Upper
248 100
250 97.2 80.5 120.7
141 79.7 72.0 108.0

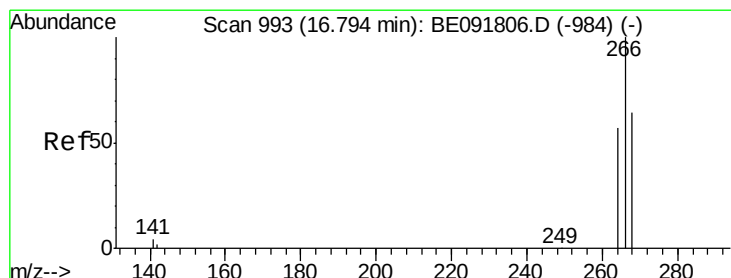
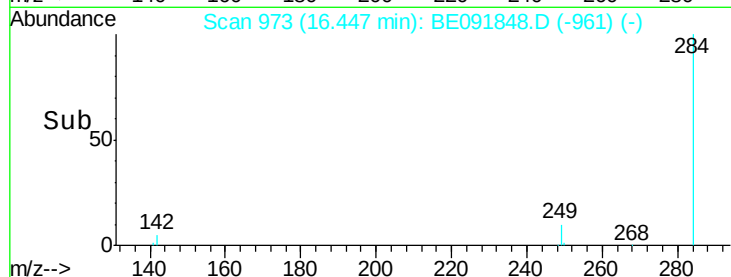
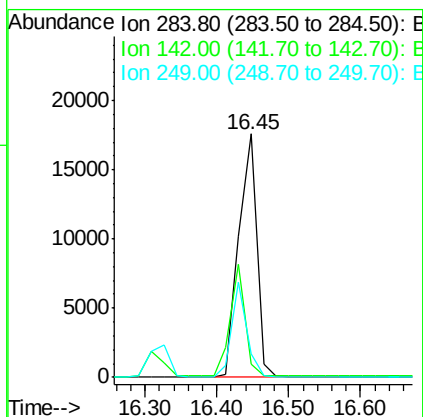
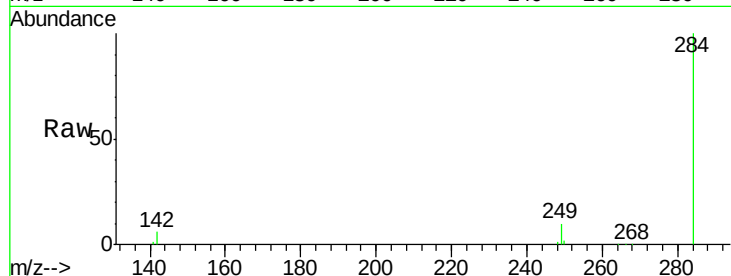




#21
Hexachlorobenzene
Concen: 4.11 ng
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

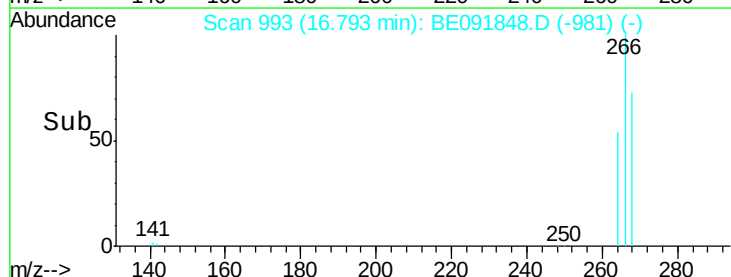
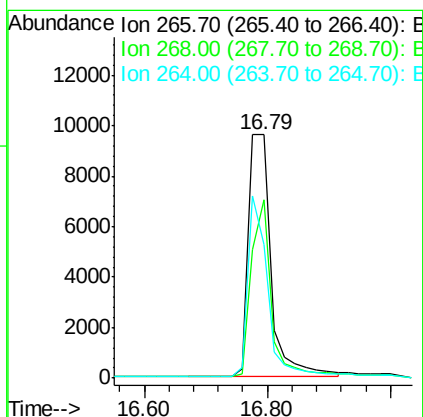
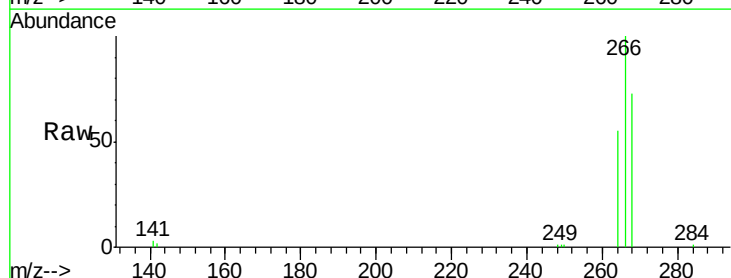
Instrument :
BNA_E
ClientSampleId :
PB90774BS

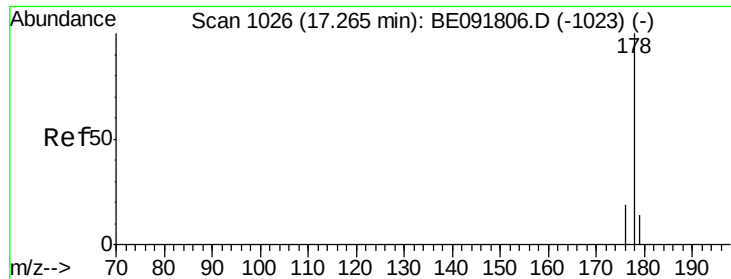
Tgt Ion: 284 Resp: 29984
Ion Ratio Lower Upper
284 100
142 38.6 32.2 48.2
249 32.6 25.4 38.2



#22
Pentachlorophenol
Concen: 8.14 ng
RT: 16.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion: 266 Resp: 24571
Ion Ratio Lower Upper
266 100
268 73.2 58.2 87.2
264 54.6 56.2 84.4#

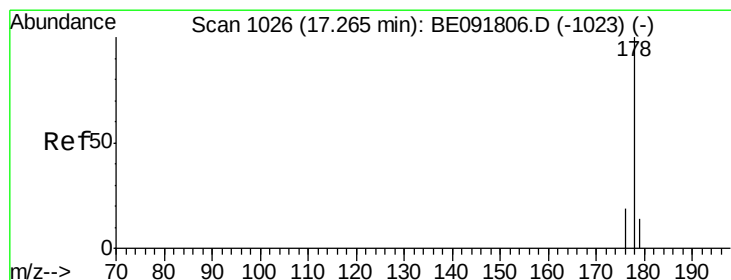
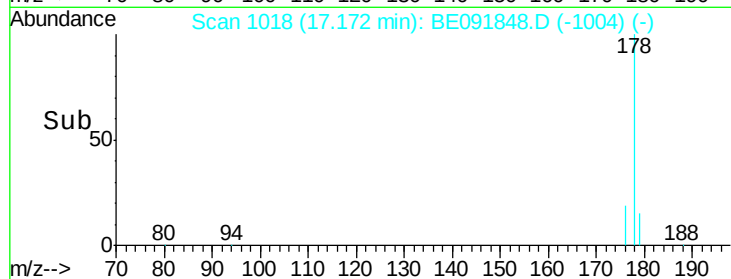
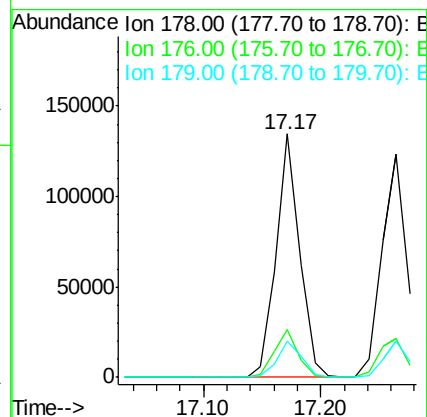
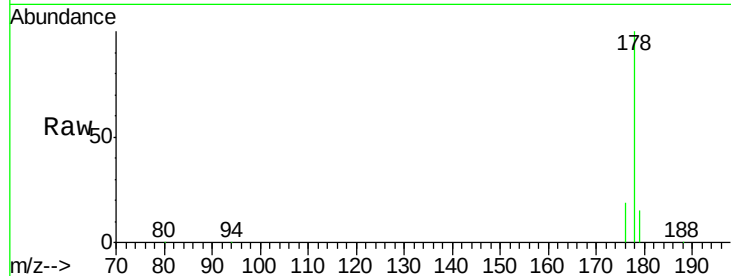




#23
Phenanthrene
Concen: 5.08 ng
RT: 17.17 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

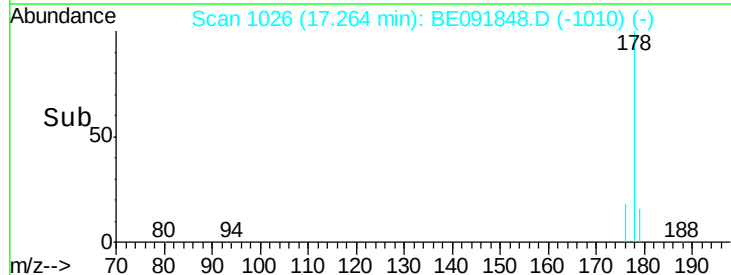
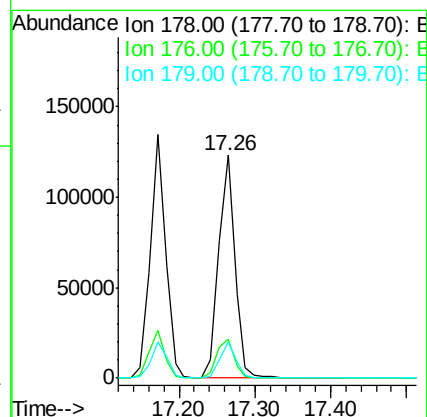
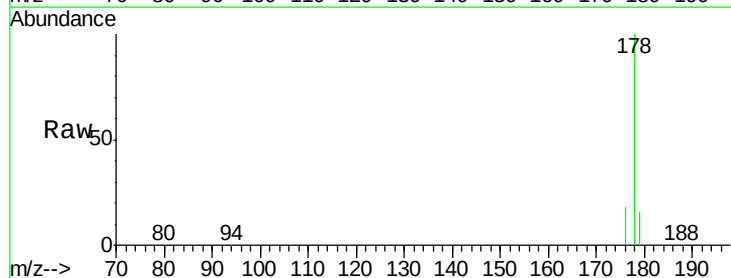
Instrument :
BNA_E
ClientSampleId :
PB90774BS

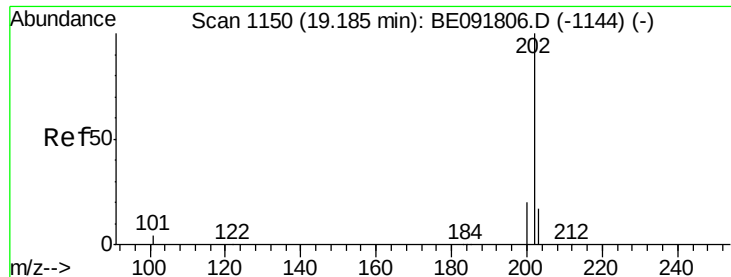
Tgt Ion:178 Resp: 186956
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 15.4 12.6 18.8



#24
Anthracene
Concen: 4.50 ng
RT: 17.26 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE091848.D
Acq: 23 May 2016 15:37

Tgt Ion:178 Resp: 183725
Ion Ratio Lower Upper
178 100
176 18.8 14.6 21.8
179 15.4 11.8 17.6





#25

Fluoranthene

Concen: 4.58 ng

RT: 19.19 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BE091848.D

Acq: 23 May 2016 15:37

Instrument :

BNA_E

ClientSampleId :

PB90774BS

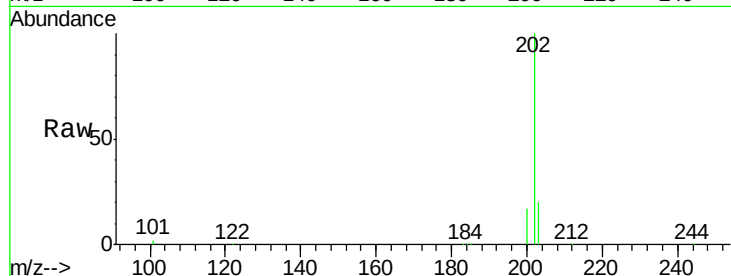
Tgt Ion:202 Resp: 228379

Ion Ratio Lower Upper

202 100

101 11.6 11.0 16.6

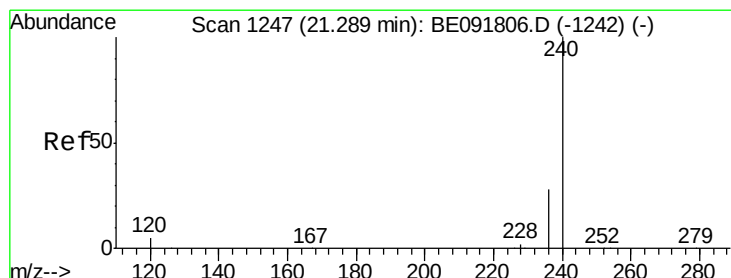
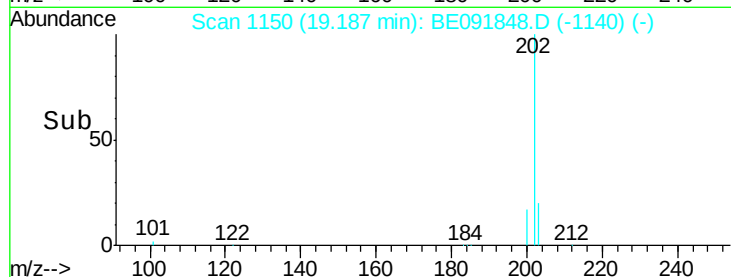
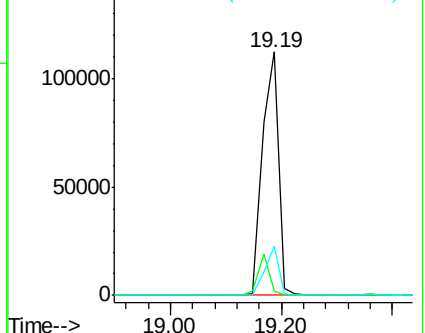
203 17.6 13.9 20.9



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.02 min

Lab File: BE091848.D

Acq: 23 May 2016 15:37

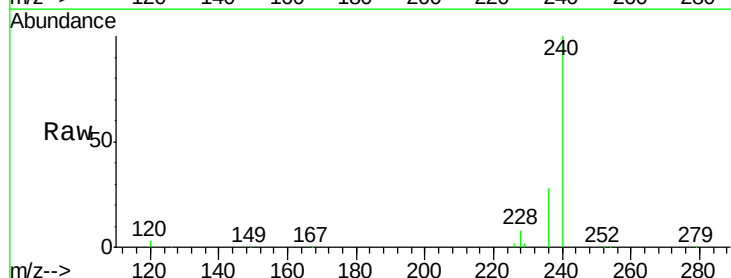
Tgt Ion:240 Resp: 288653

Ion Ratio Lower Upper

240 100

120 3.0 11.0 16.4#

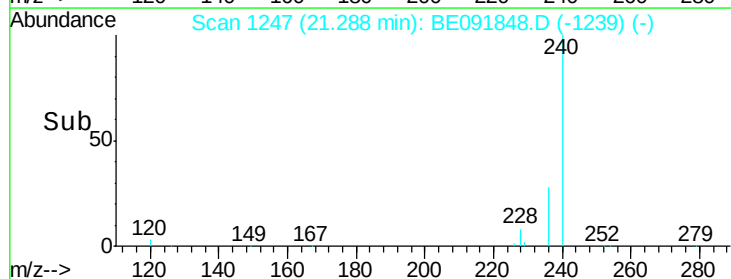
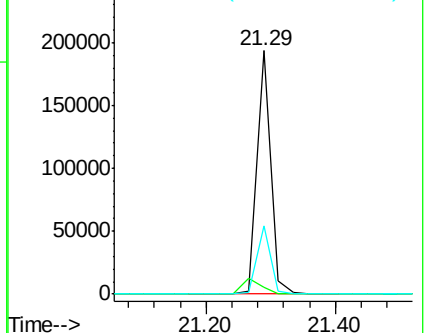
236 28.0 21.7 32.5

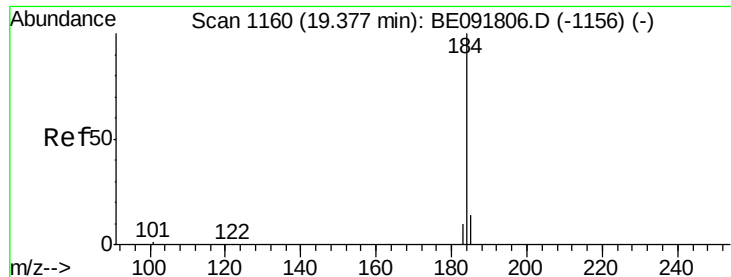


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 4.73 ng

RT: 19.36 min Scan# 1159

Delta R.T. -0.02 min

Lab File: BE091848.D

Acq: 23 May 2016 15:37

Instrument :

BNA_E

ClientSampleId :

PB90774BS

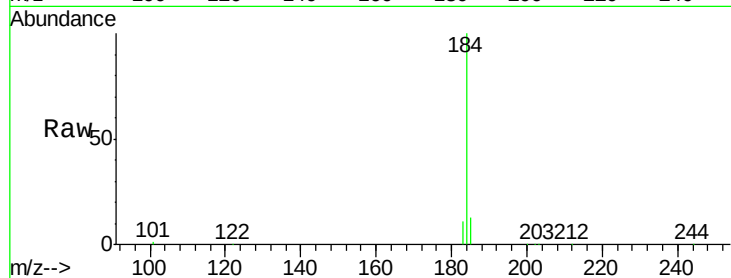
Tgt Ion:184 Resp: 130667

Ion Ratio Lower Upper

184 100

185 13.5 22.3 33.5#

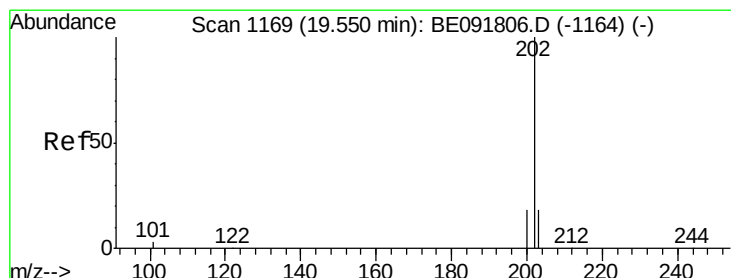
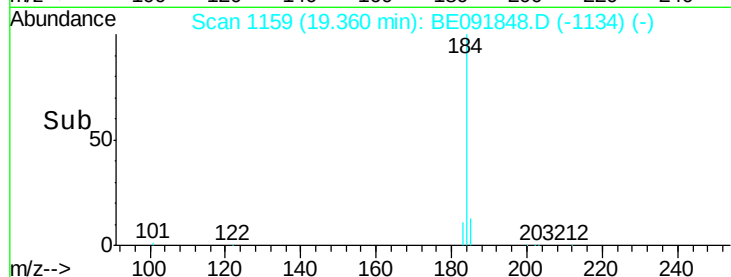
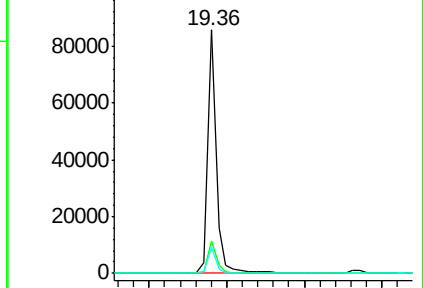
183 10.7 16.4 24.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#28

Pyrene

Concen: 3.83 ng

RT: 19.53 min Scan# 1168

Delta R.T. -0.02 min

Lab File: BE091848.D

Acq: 23 May 2016 15:37

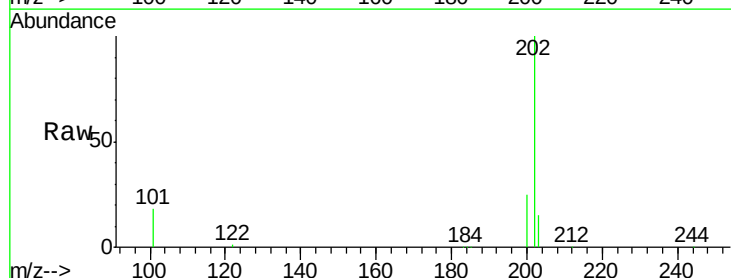
Tgt Ion:202 Resp: 242476

Ion Ratio Lower Upper

202 100

200 21.5 16.8 25.2

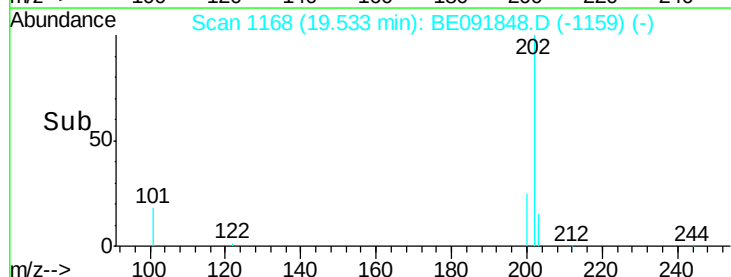
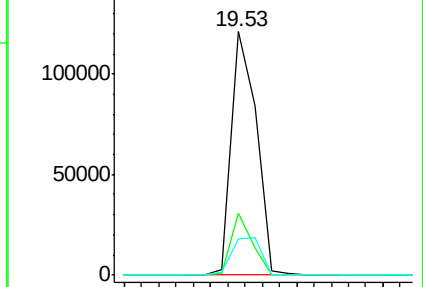
203 18.2 14.0 21.0

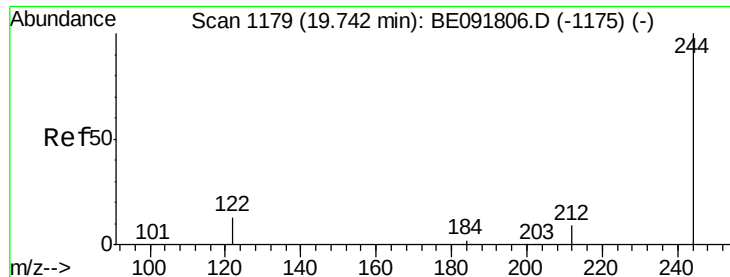


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 4.09 ng

RT: 19.74 min Scan# 1179

Delta R.T. -0.02 min

Lab File: BE091848.D

Acq: 23 May 2016 15:37

Instrument :

BNA_E

ClientSampleId :

PB90774BS

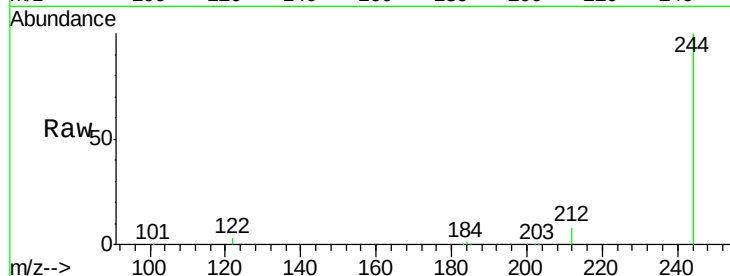
Tgt Ion:244 Resp: 167083

Ion Ratio Lower Upper

244 100

212 8.1 6.9 10.3

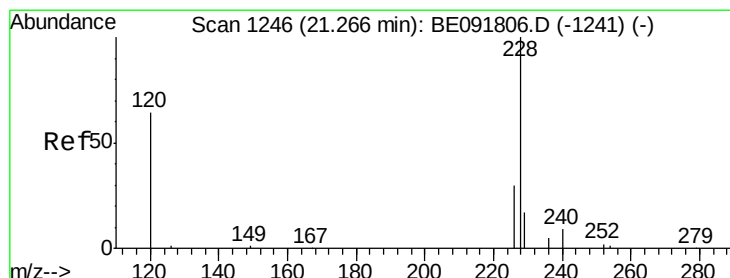
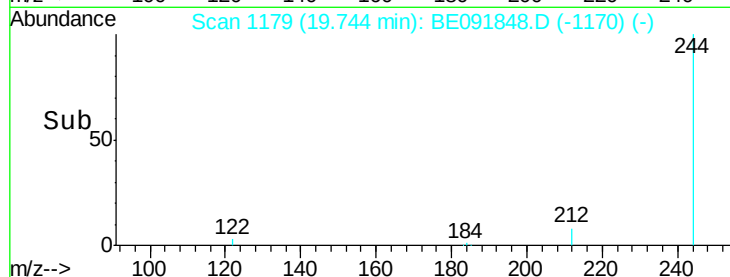
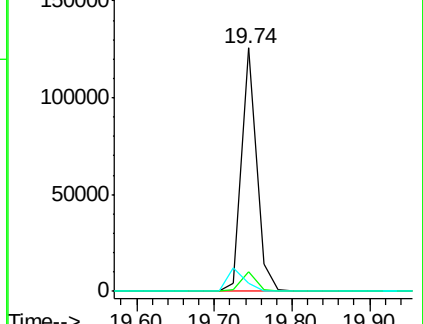
122 3.4 11.0 16.4#



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



#30

Benzo(a)anthracene

Concen: 7.31 ng

RT: 21.27 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BE091848.D

Acq: 23 May 2016 15:37

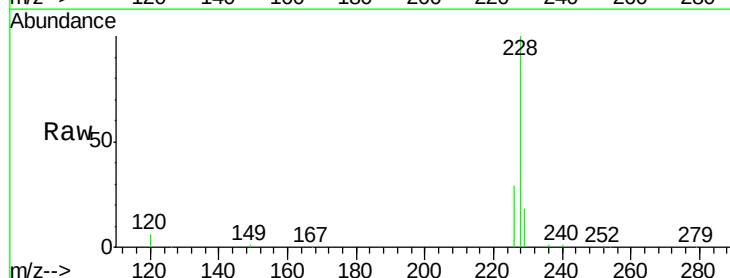
Tgt Ion:228 Resp: 508823

Ion Ratio Lower Upper

228 100

226 29.3 21.0 31.4

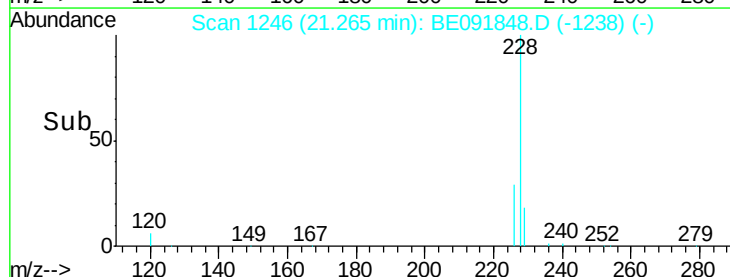
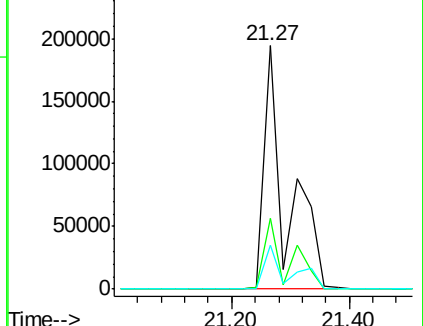
229 17.8 15.7 23.5

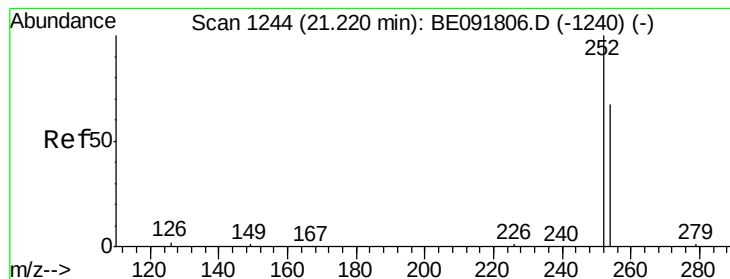


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

3,3'-Dichlorobenzidine

Concen: 1.65 ng

RT: 21.22 min Scan# 1244

Delta R.T. -0.02 min

Lab File: BE091848.D

Acq: 23 May 2016 15:37

Instrument :

BNA_E

ClientSampled :

PB90774BS

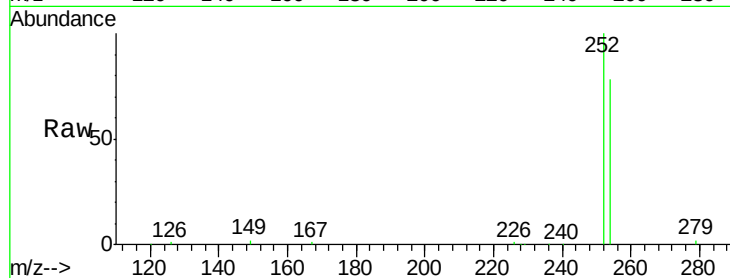
Tgt Ion:252 Resp: 73117

Ion Ratio Lower Upper

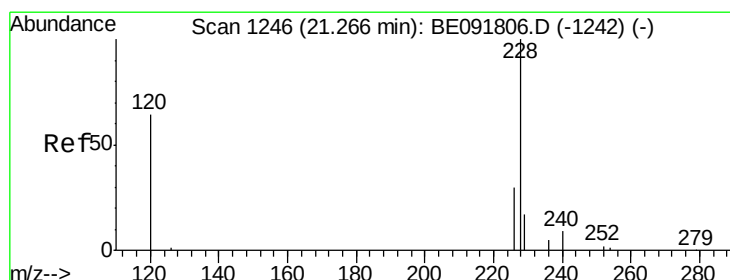
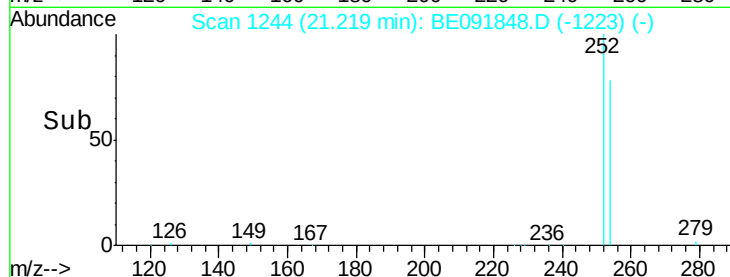
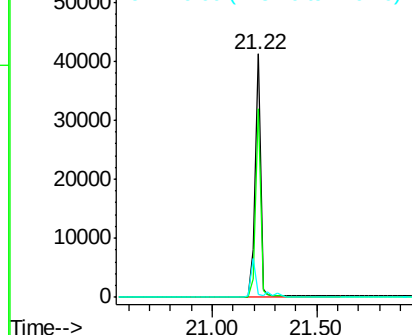
252 100

254 77.6 51.1 76.7#

126 1.2 12.6 18.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E



#32

Chrysene

Concen: 8.51 ng

RT: 21.27 min Scan# 1246

Delta R.T. -0.07 min

Lab File: BE091848.D

Acq: 23 May 2016 15:37

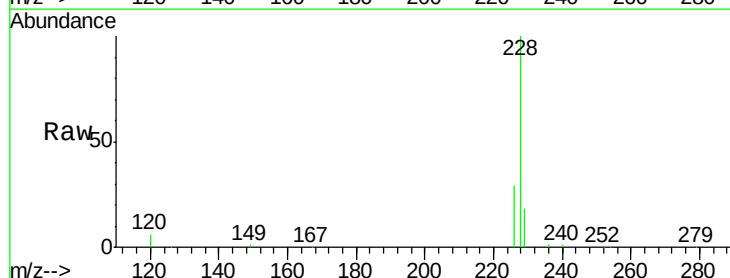
Tgt Ion:228 Resp: 510437

Ion Ratio Lower Upper

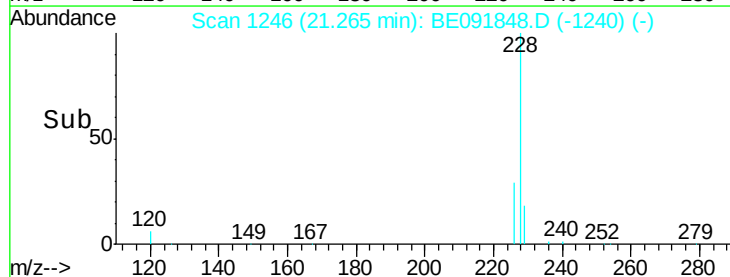
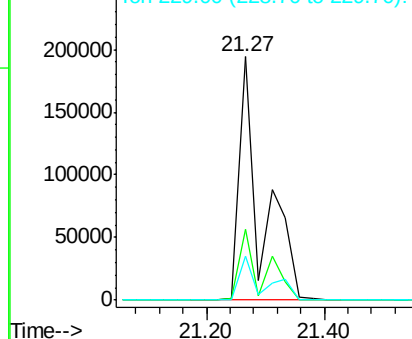
228 100

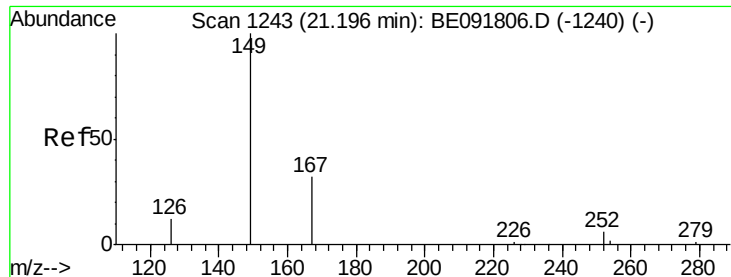
226 29.3 24.0 36.0

229 17.8 15.9 23.9



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

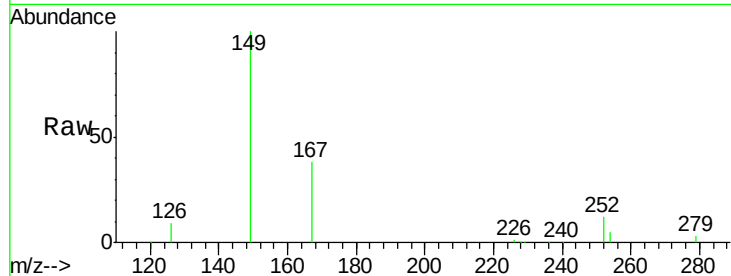




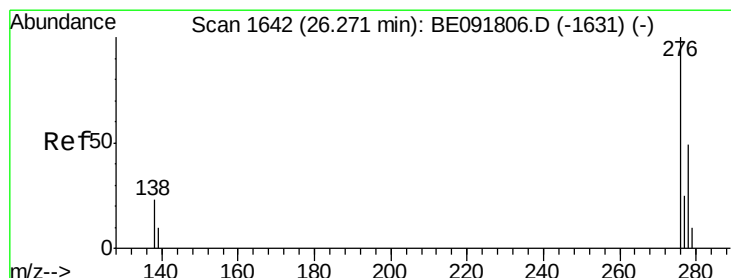
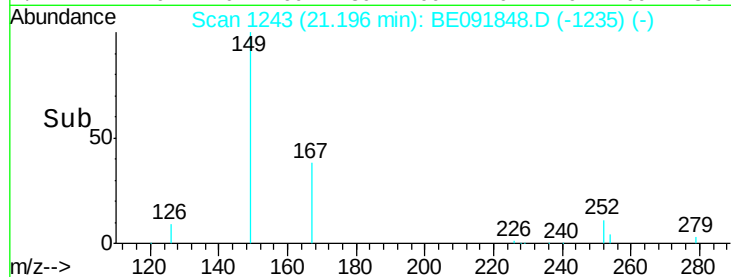
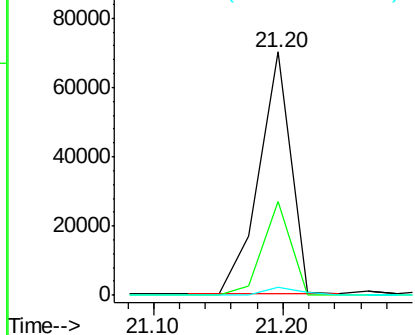
#33
 Bis(2-ethylhexyl)phthalate
 Concen: 3.13 ng
 RT: 21.20 min Scan# 1243
 Delta R.T. -0.02 min
 Lab File: BE091848.D
 Acq: 23 May 2016 15:37

Instrument :
 BNA_E
 ClientSampleId :
 PB90774BS

Tgt Ion:149 Resp: 120218
 Ion Ratio Lower Upper
 149 100
 167 34.1 19.5 29.3#
 279 3.4 10.0 15.0#

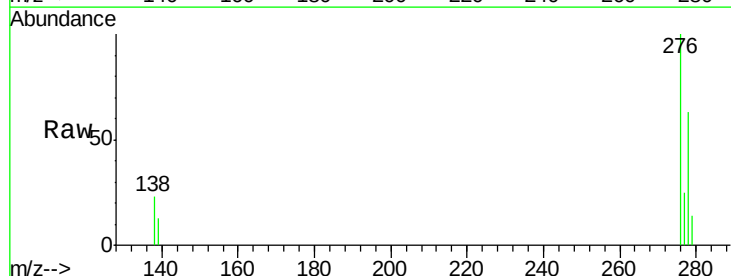


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

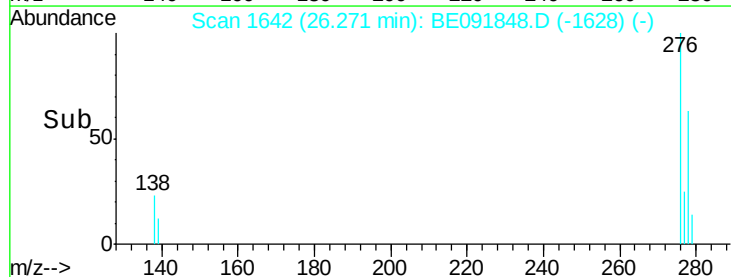
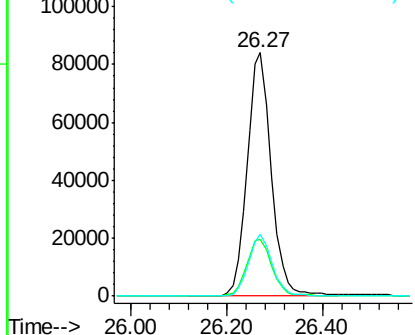


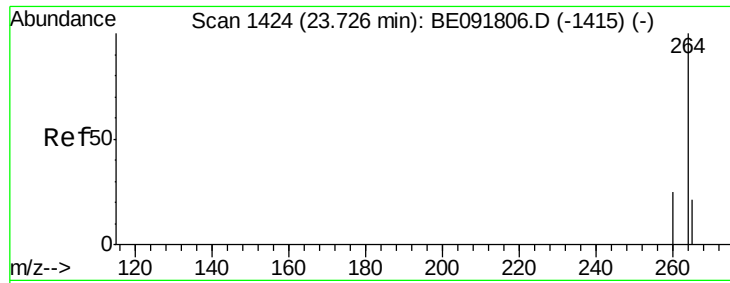
#34
 Indeno(1,2,3-cd)pyrene
 Concen: 4.08 ng
 RT: 26.27 min Scan# 1642
 Delta R.T. -0.03 min
 Lab File: BE091848.D
 Acq: 23 May 2016 15:37

Tgt Ion:276 Resp: 291378
 Ion Ratio Lower Upper
 276 100
 138 24.4 23.4 35.2
 277 24.9 19.8 29.8



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

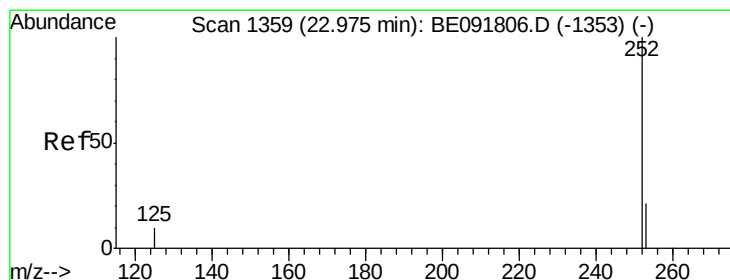
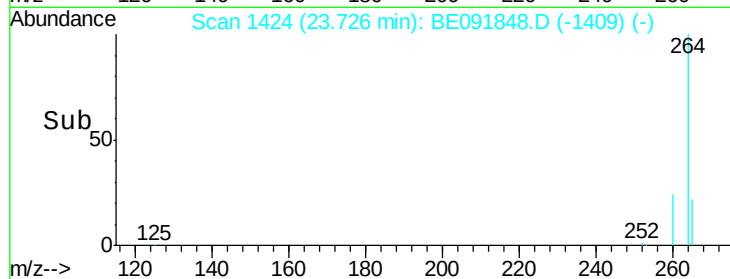
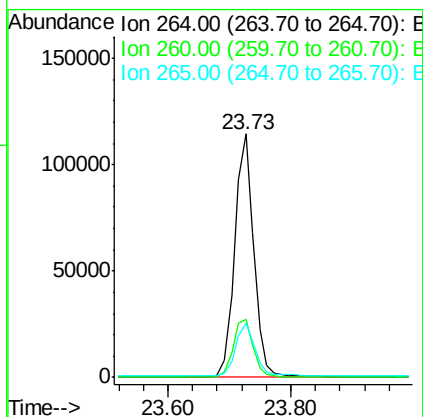
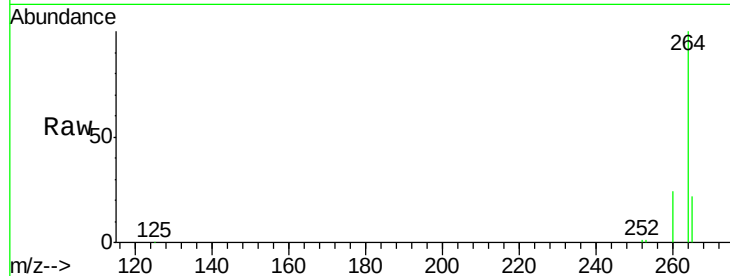




#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.73 min Scan# 1424
 Delta R.T. -0.02 min
 Lab File: BE091848.D
 Acq: 23 May 2016 15:37

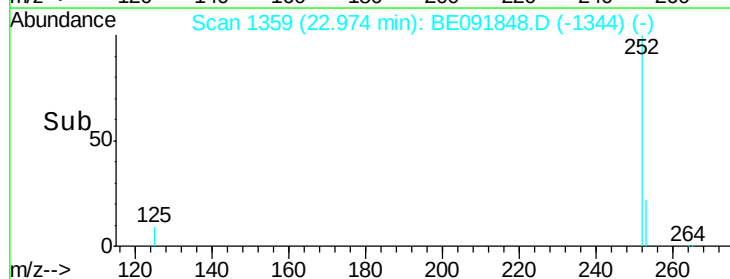
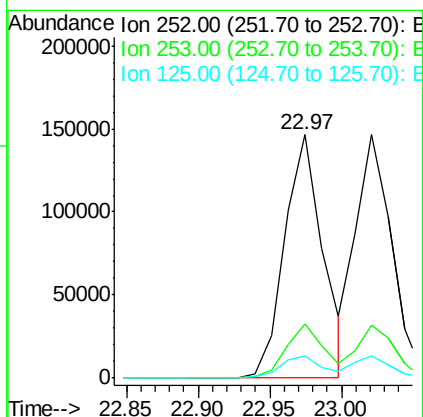
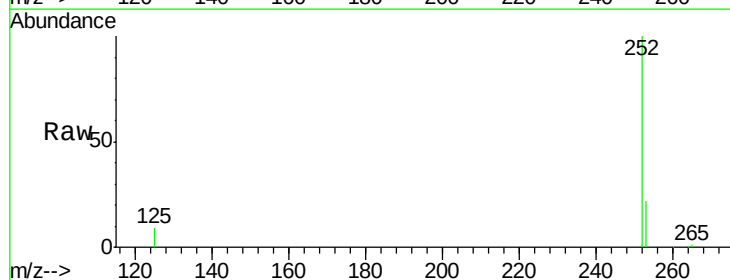
Instrument :
 BNA_E
 ClientSampleId :
 PB90774BS

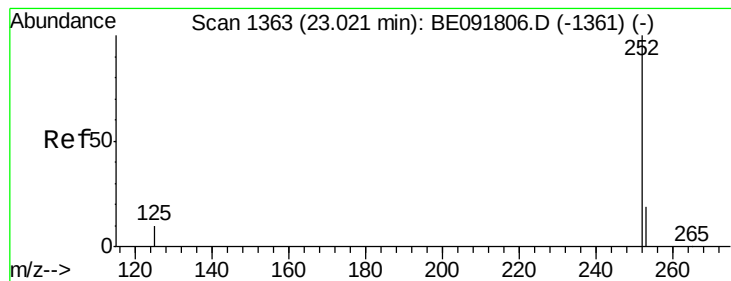
Tgt Ion: 264 Resp: 248604
 Ion Ratio Lower Upper
 264 100
 260 24.0 20.0 30.0
 265 22.3 17.5 26.3



#36
 Benzo(b)fluoranthene
 Concen: 4.36 ng
 RT: 22.97 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: BE091848.D
 Acq: 23 May 2016 15:37

Tgt Ion: 252 Resp: 271319
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.4 26.0
 125 9.2 10.2 15.2#





#37

Benzo(k)fluoranthene

Concen: 4.05 ng

RT: 23.02 min Scan# 1363

Delta R.T. -0.02 min

Lab File: BE091848.D

Acq: 23 May 2016 15:37

Instrument :

BNA_E

ClientSampleId :

PB90774BS

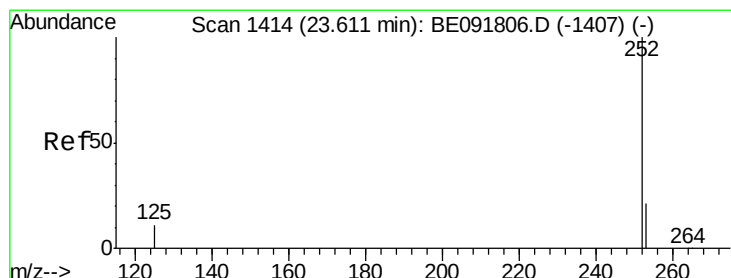
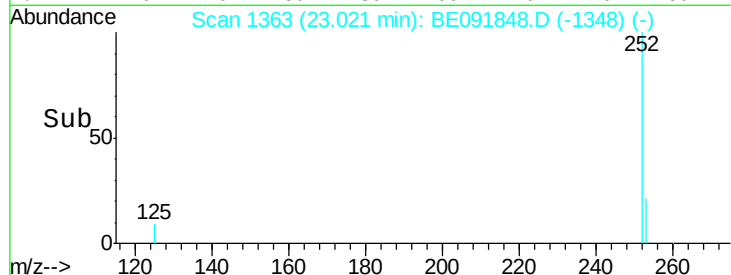
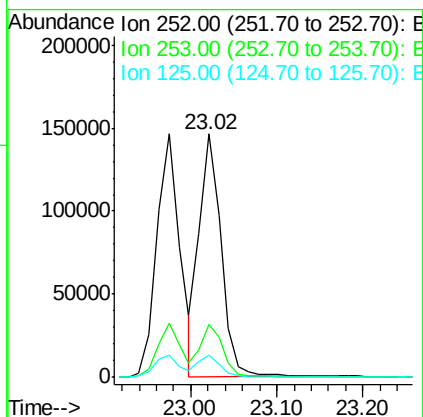
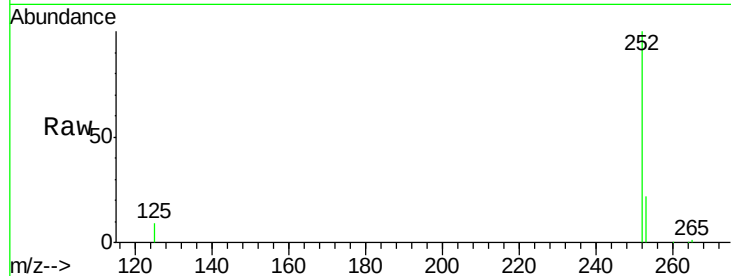
Tgt Ion:252 Resp: 257985

Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

125 9.2 9.9 14.9#



#38

Benzo(a)pyrene

Concen: 4.30 ng

RT: 23.61 min Scan# 1414

Delta R.T. -0.02 min

Lab File: BE091848.D

Acq: 23 May 2016 15:37

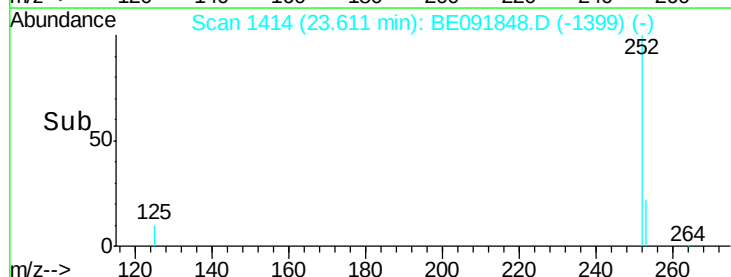
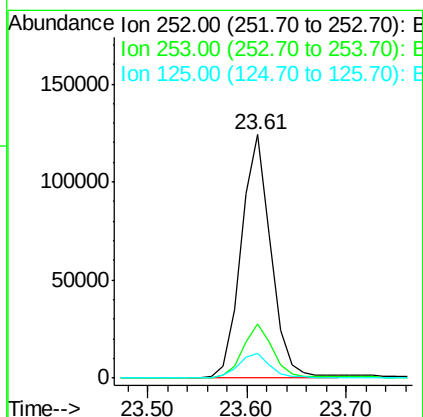
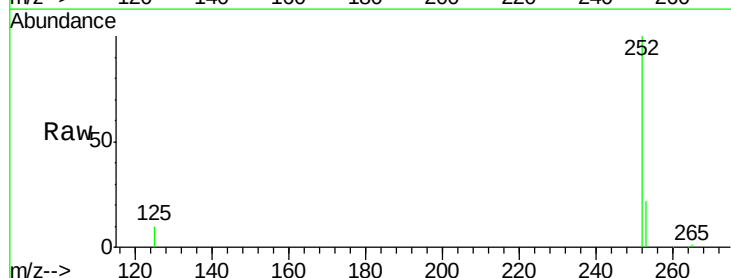
Tgt Ion:252 Resp: 255500

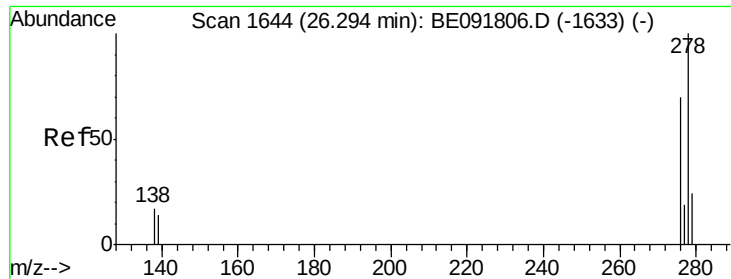
Ion Ratio Lower Upper

252 100

253 22.3 18.1 27.1

125 10.2 11.0 16.4#





#39

Dibenzo(a,h)anthracene

Concen: 4.21 ng

RT: 26.28 min Scan# 1643

Delta R.T. -0.06 min

Lab File: BE091848.D

Acq: 23 May 2016 15:37

Instrument :

BNA_E

ClientSampleId :

PB90774BS

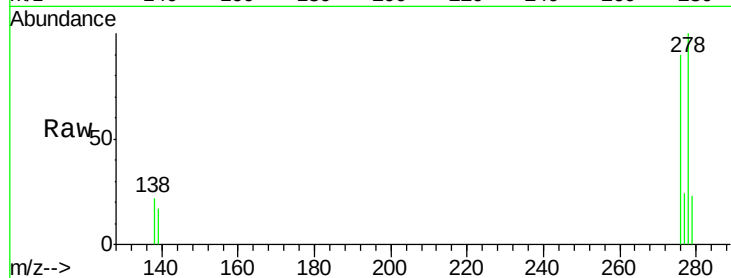
Tgt Ion: 278 Resp: 244059

Ion Ratio Lower Upper

278 100

139 16.8 16.0 24.0

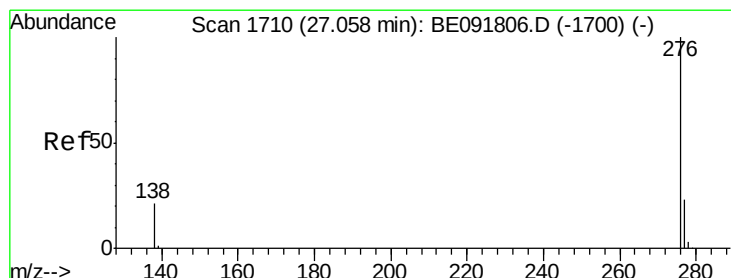
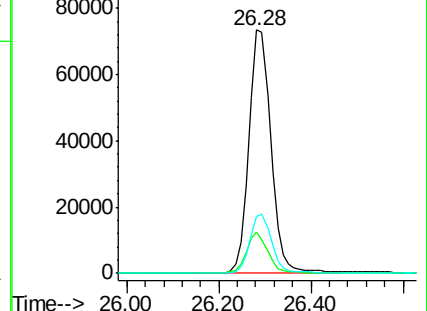
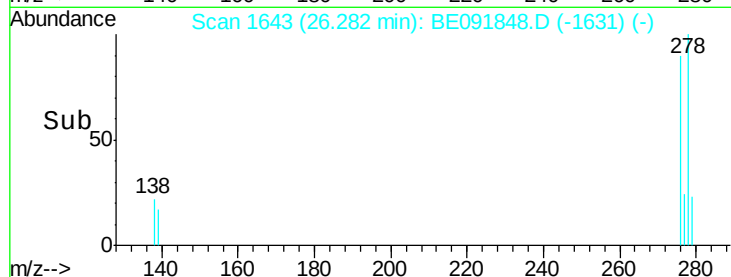
279 23.1 19.4 29.2



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



#40

Benzo(g,h,i)perylene

Concen: 4.12 ng

RT: 27.06 min Scan# 1710

Delta R.T. -0.05 min

Lab File: BE091848.D

Acq: 23 May 2016 15:37

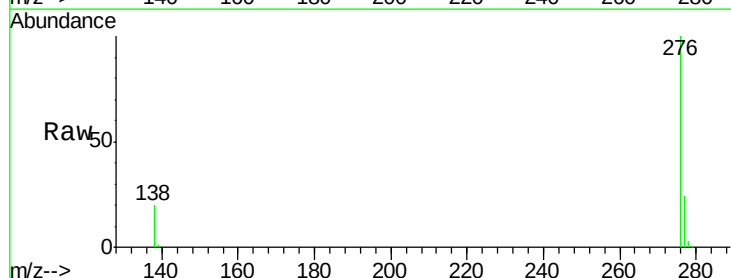
Tgt Ion: 276 Resp: 246587

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 19.6 20.4 30.6#



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

