

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE052316\
 Data File : BE091846.D
 Acq On : 23 May 2016 14:22
 Operator : UM/SJ
 Sample : PB90761BSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB90761BSD

Quant Time: May 24 02:20:19 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	22786	5.00	ng	-0.02
7) Naphthalene-d8	10.55	136	112359	5.00	ng	-0.02
13) Acenaphthene-d10	14.41	164	79185	5.00	ng	-0.01
19) Phenanthrene-d10	17.14	188	251139	5.00	ng	-0.01
26) Chrysene-d12	21.29	240	311317	5.00	ng	-0.02
35) Perylene-d12	23.73	264	267150	5.00	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	38205	6.42	ng	0.00
5) Phenol-d6	6.96	99	55630	6.63	ng	0.00
8) Nitrobenzene-d5	8.93	82	27788	3.73	ng	-0.01
14) 2,4,6-Tribromophenol	15.89	330	25492	8.29	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	75260	3.36	ng	-0.01
29) Terphenyl-d14	19.74	244	159535	3.62	ng	-0.02

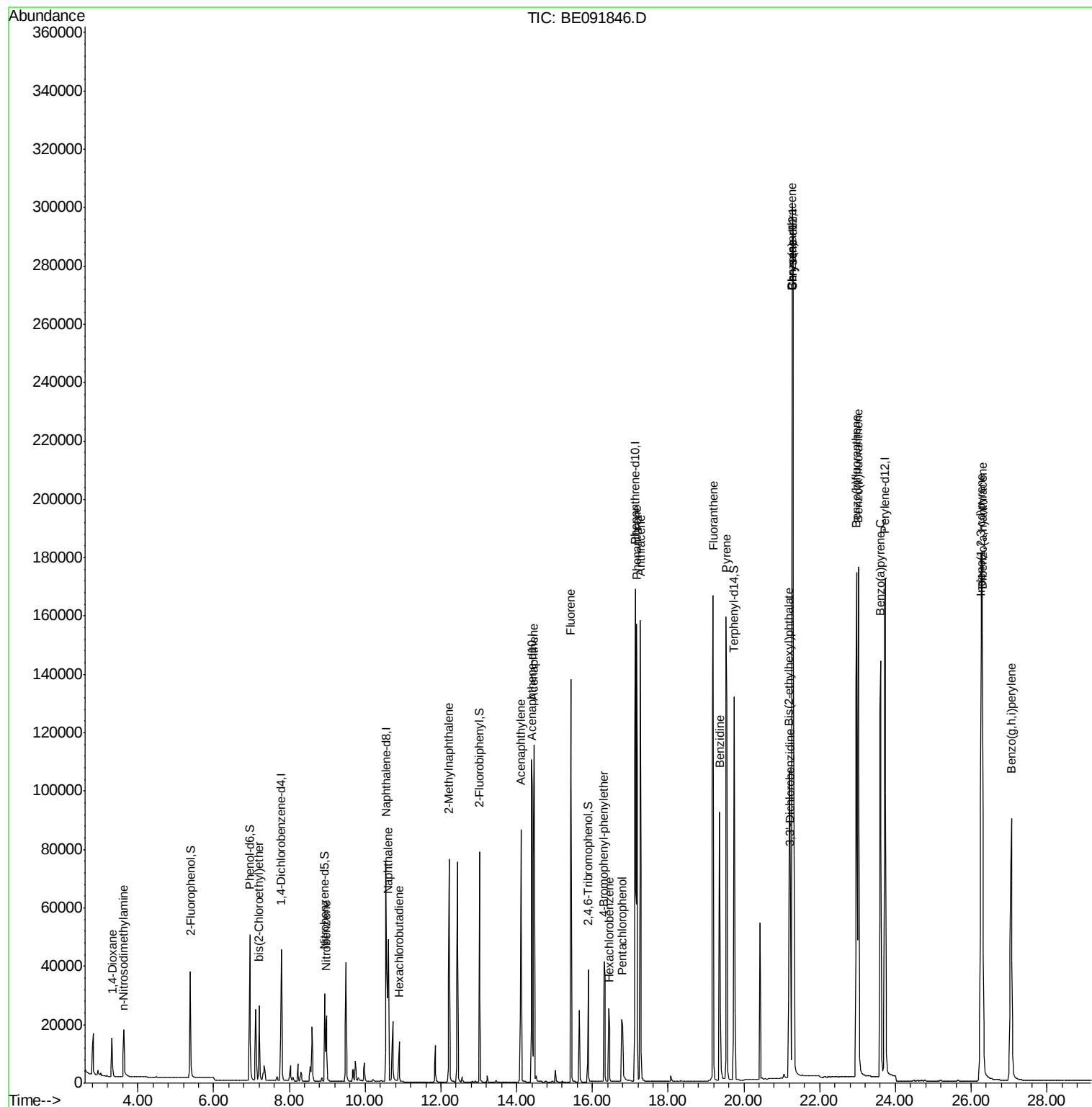
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	8635	3.46	ng	98
3) n-Nitrosodimethylamine	3.61	42	12892	3.54	ng	96
6) bis(2-Chloroethyl)ether	7.20	93	22147	3.29	ng	# 77
9) Nitrobenzene	8.98	77	27257	3.56	ng	93
10) Naphthalene	10.61	128	75862	3.05	ng	98
11) Hexachlorobutadiene	10.90	225	12768	3.47	ng	96
12) 2-Methylnaphthalene	12.21	142	57342	3.43	ng	99
16) Acenaphthylene	14.11	152	113173	3.21	ng	# 85
17) Acenaphthene	14.46	154	64203	3.02	ng	90
18) Fluorene	15.43	166	91268	3.32	ng	98
20) 4-Bromophenyl-phenylether	16.31	248	27620	2.94	ng	93
21) Hexachlorobenzene	16.45	284	27733	2.84	ng	98
22) Pentachlorophenol	16.78	266	22383	5.54	ng	# 83
23) Phenanthrene	17.17	178	172053	3.46	ng	99
24) Anthracene	17.26	178	168681	3.09	ng	99
25) Fluoranthene	19.19	202	208489	3.12	ng	97
27) Benzidine	19.36	184	118572	4.21	ng	# 75
28) Pyrene	19.53	202	223939	3.28	ng	99
30) Benzo(a)anthracene	21.27	228	487539	6.49	ng	97
31) 3,3'-Dichlorobenzidine	21.22	252	67758	1.42	ng	# 79
32) Chrysene	21.27	228	489057	7.57	ng	96
33) Bis(2-ethylhexyl)phthalate	21.20	149	114038	2.78	ng	# 82
34) Indeno(1,2,3-cd)pyrene	26.26	276	268581	3.49	ng	95
36) Benzo(b)fluoranthene	22.98	252	257613	3.85	ng	# 96
37) Benzo(k)fluoranthene	23.02	252	230281	3.37	ng	# 97
38) Benzo(a)pyrene	23.61	252	237722	3.73	ng	# 96
39) Dibenzo(a,h)anthracene	26.29	278	225256	3.62	ng	# 93
40) Benzo(g,h,i)perylene	27.06	276	226137	3.52	ng	# 94

(#) = 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: BE091846.D

Acq: 23 May 2016 14:22

Instrument :

BNA_E

ClientSampleId :

PB90761BSD

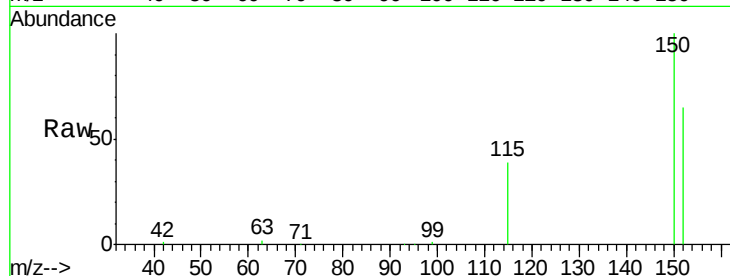
Tgt Ion:152 Resp: 22786

Ion Ratio Lower Upper

152 100

150 153.8 122.6 183.8

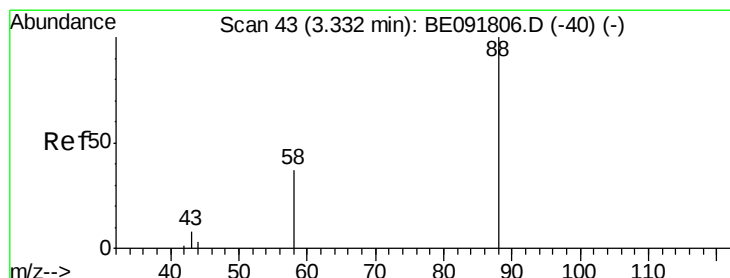
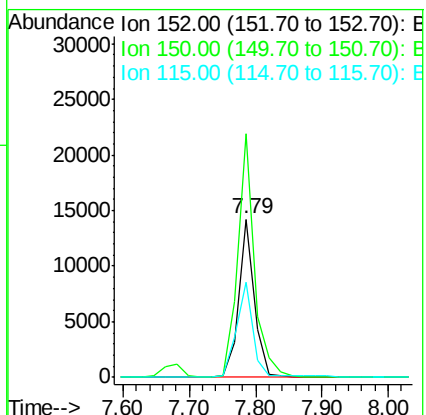
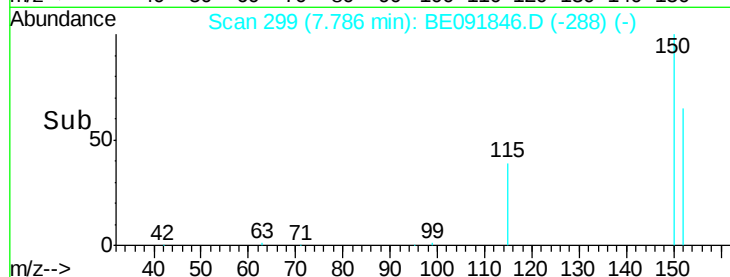
115 59.7 52.8 79.2



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: 3.46 ng

RT: 3.31 min Scan# 42

Delta R.T. -0.02 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

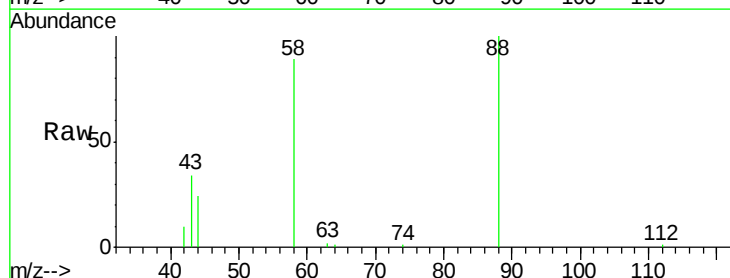
Tgt Ion: 88 Resp: 8635

Ion Ratio Lower Upper

88 100

58 83.0 65.8 98.6

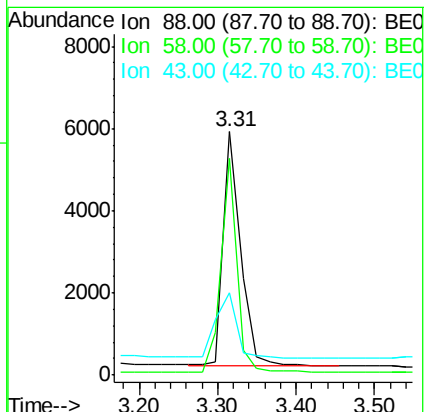
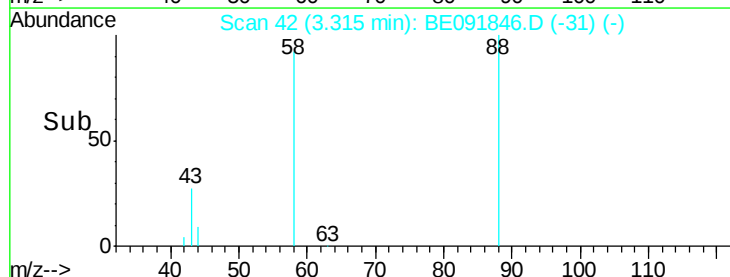
43 34.3 25.3 37.9

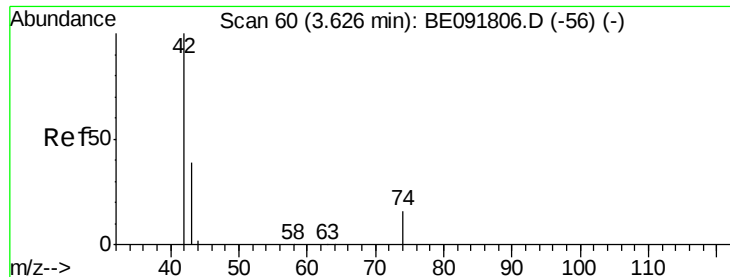


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.54 ng

RT: 3.61 min Scan# 59

Delta R.T. -0.02 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

Instrument :

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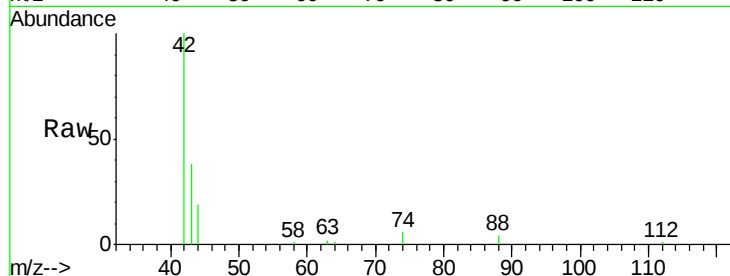
Tgt Ion: 42 Resp: 12892

Ion Ratio Lower Upper

42 100

74 114.3 87.9 131.9

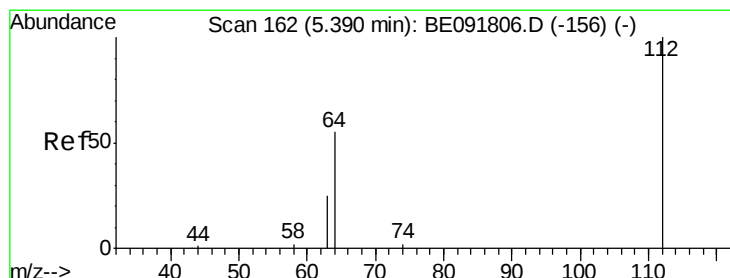
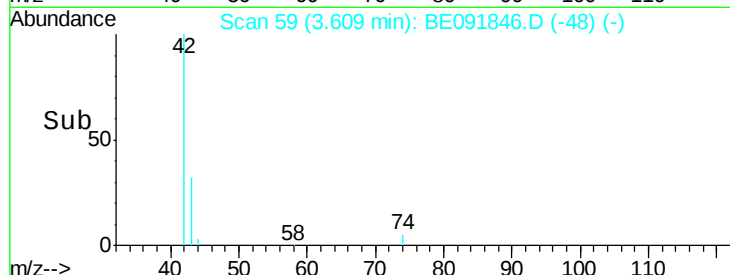
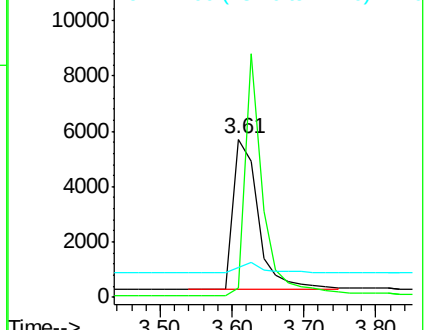
44 7.0 6.6 9.8



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



#4

2-Fluorophenol

Concen: 6.42 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

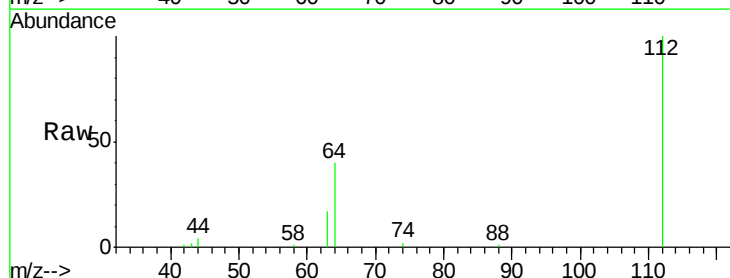
Tgt Ion: 112 Resp: 38205

Ion Ratio Lower Upper

112 100

64 67.3 30.9 46.3#

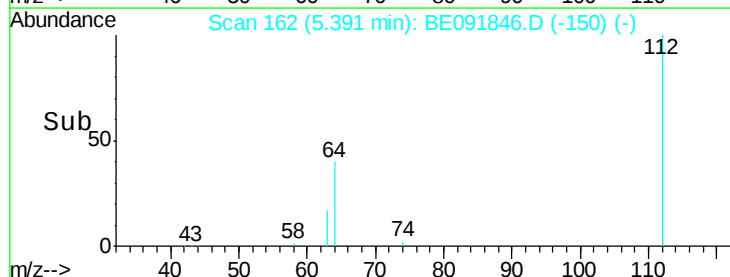
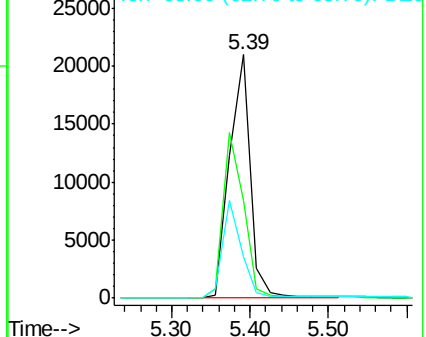
63 35.8 16.7 25.1#

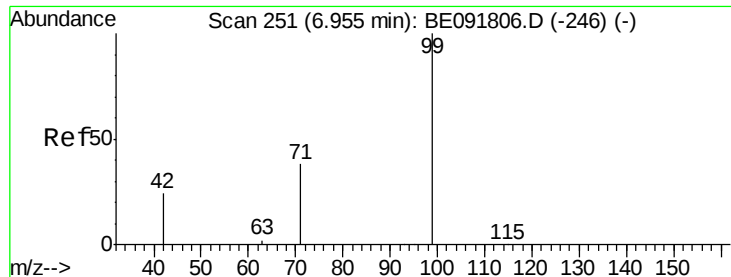


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 6.63 ng

RT: 6.96 min Scan# 251

Delta R.T. 0.00 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

Instrument :

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ClientSampleId :

PB90761BSD

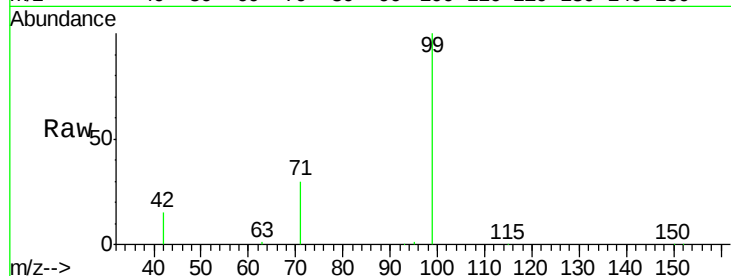
Tgt Ion: 99 Resp: 55630

Ion Ratio Lower Upper

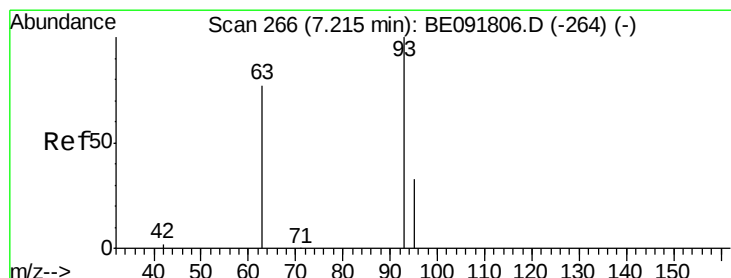
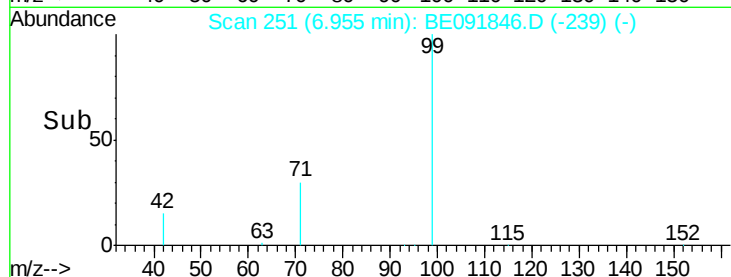
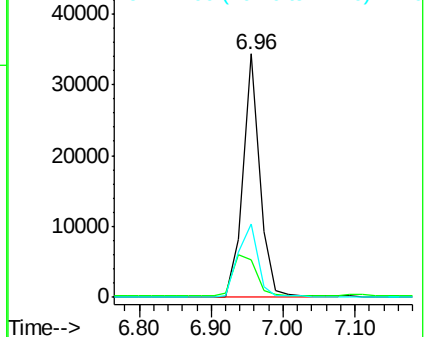
99 100

42 23.1 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: 3.29 ng

RT: 7.20 min Scan# 265

Delta R.T. -0.02 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

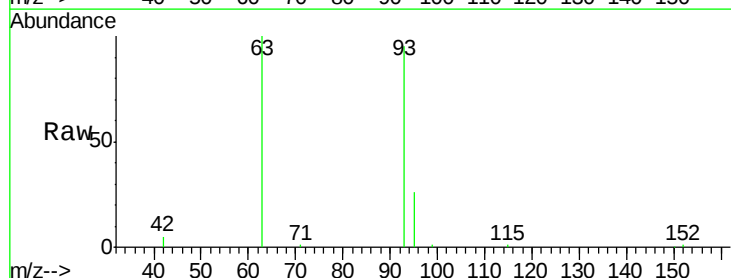
Tgt Ion: 93 Resp: 22147

Ion Ratio Lower Upper

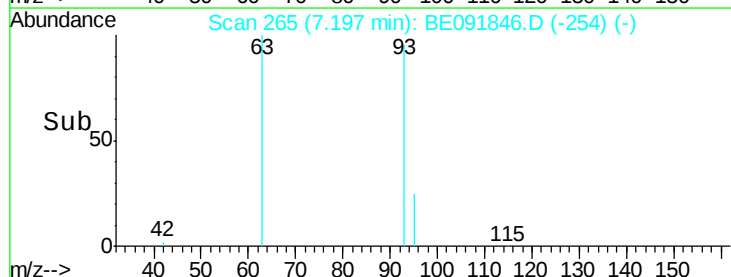
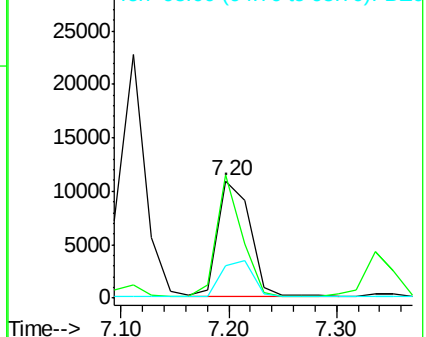
93 100

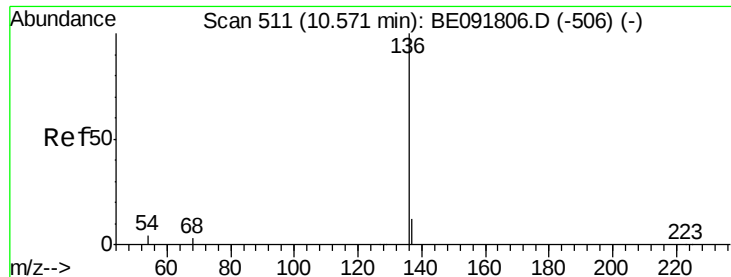
63 85.0 49.5 74.3#

95 32.3 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: BE091846.D

Acq: 23 May 2016 14:22

Instrument :

BNA_E

ClientSampleId :

PB90761BSD

Tgt Ion:136 Resp: 112359

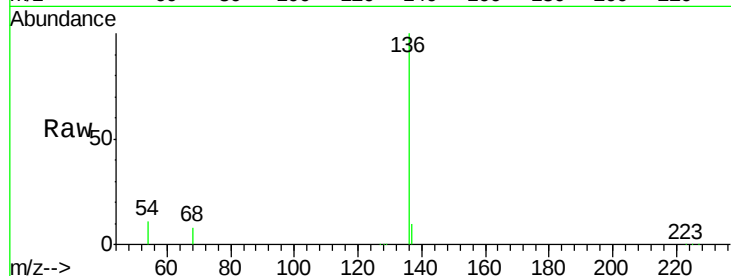
Ion Ratio Lower Upper

136 100

137 10.2 8.9 13.3

54 10.7 8.2 12.4

68 7.8 6.2 9.4

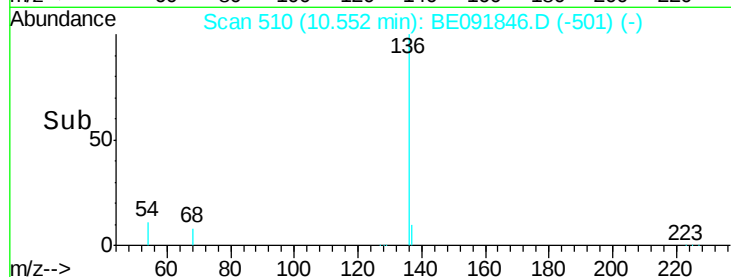


Abundance Ion 136.00 (135.70 to 136.70): E

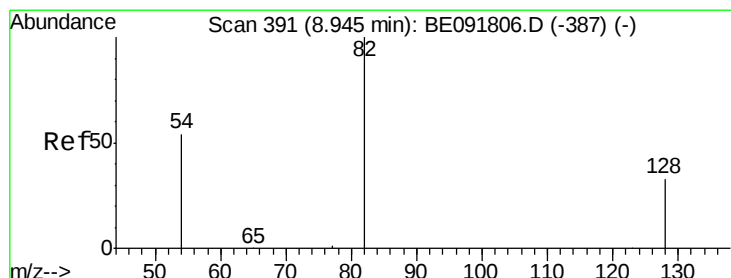
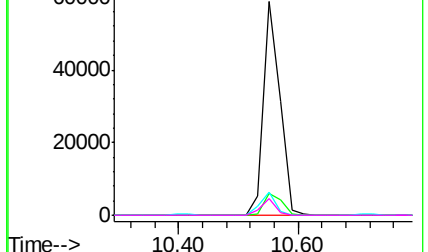
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 3.73 ng

RT: 8.93 min Scan# 390

Delta R.T. -0.01 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

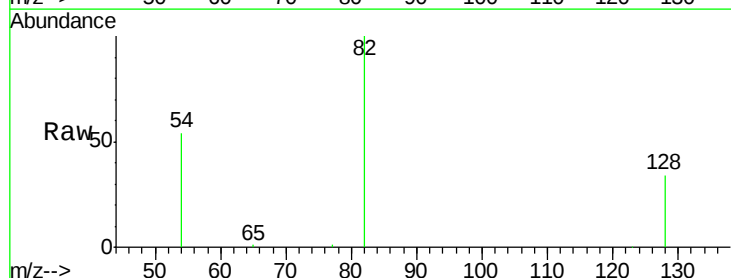
Tgt Ion: 82 Resp: 27788

Ion Ratio Lower Upper

82 100

128 33.8 25.4 38.0

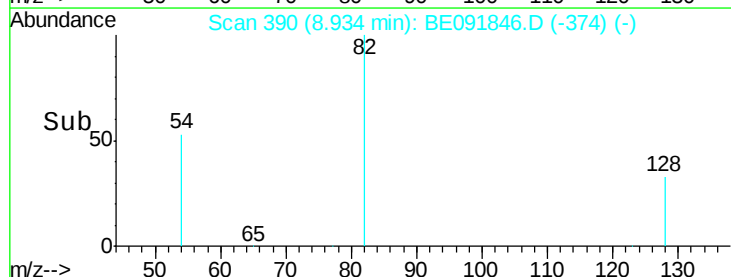
54 53.7 48.4 72.6



Abundance Ion 82.00 (81.70 to 82.70): BE0

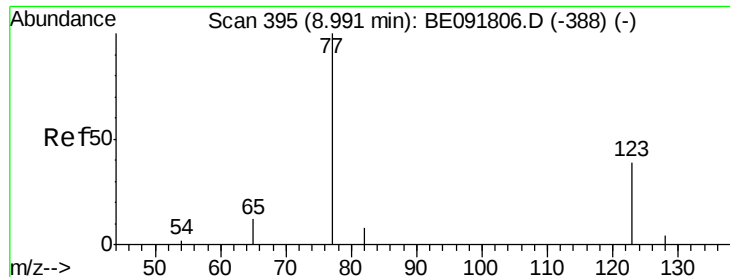
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->





#9

Nitrobenzene

Concen: 3.56 ng

RT: 8.98 min Scan# 394

Delta R.T. -0.01 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

Instrument :

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ClientSampleId :

PB90761BSD

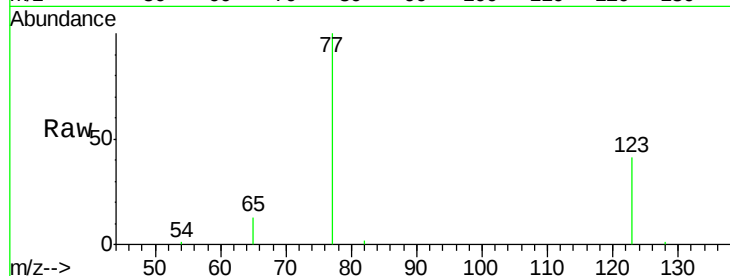
Tgt Ion: 77 Resp: 27257

Ion Ratio Lower Upper

77 100

123 38.0 26.9 40.3

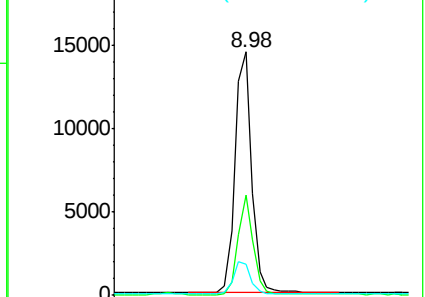
65 14.0 9.4 14.2



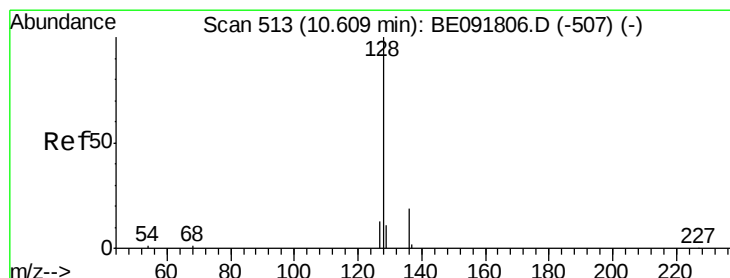
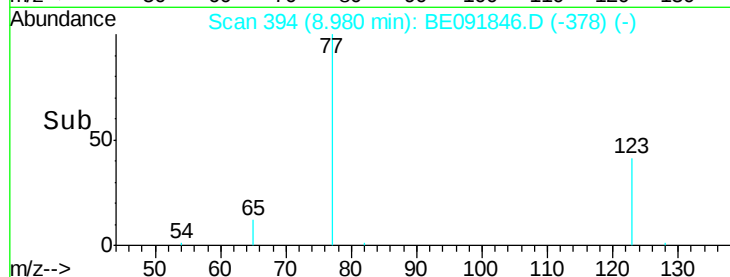
Abundance Ion 77.00 (76.70 to 77.70): BE091806.D (-388) (-)

Ion 123.00 (122.70 to 123.70): BE091806.D (-388) (-)

Ion 65.00 (64.70 to 65.70): BE091806.D (-388) (-)



Time-->



#10

Naphthalene

Concen: 3.05 ng

RT: 10.61 min Scan# 513

Delta R.T. -0.00 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

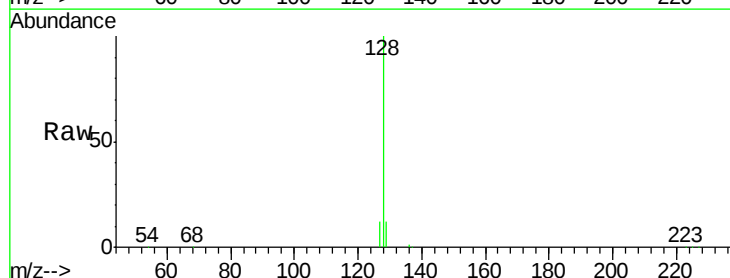
Tgt Ion: 128 Resp: 75862

Ion Ratio Lower Upper

128 100

129 11.7 9.3 13.9

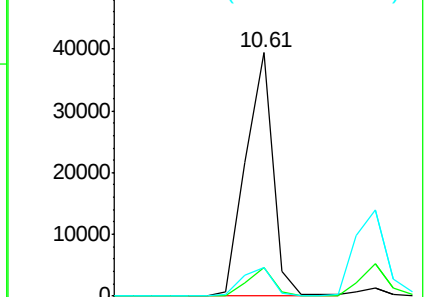
127 11.9 10.7 16.1



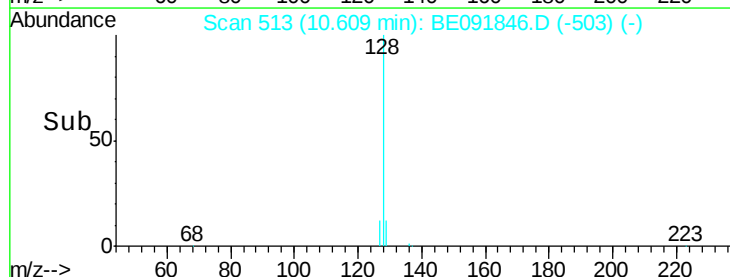
Abundance Ion 128.00 (127.70 to 128.70): BE091806.D (-507) (-)

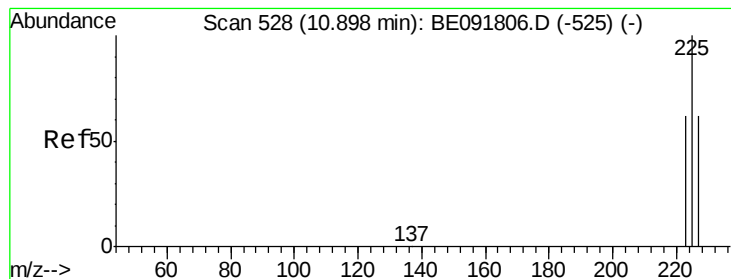
Ion 129.00 (128.70 to 129.70): BE091806.D (-507) (-)

Ion 127.00 (126.70 to 127.70): BE091806.D (-507) (-)



Time-->





#11

Hexachlorobutadiene

Concen: 3.47 ng

RT: 10.90 min Scan# 528

Delta R.T. -0.02 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

Instrument :

BNA_E

ClientSampleId :

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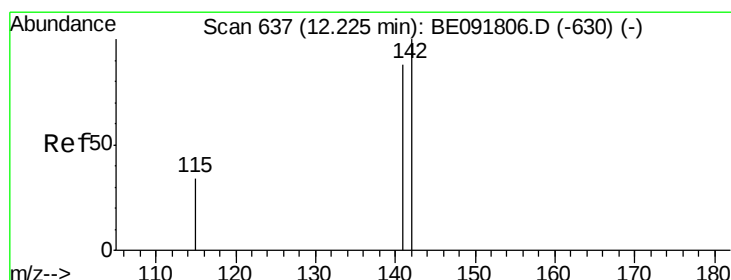
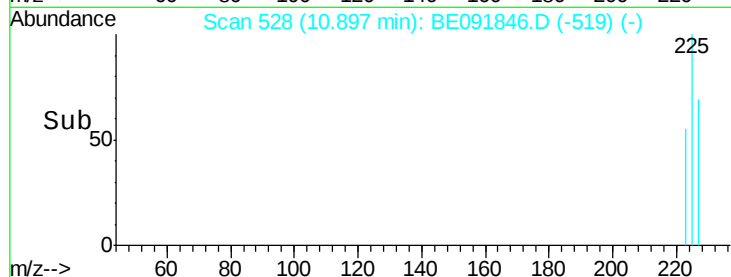
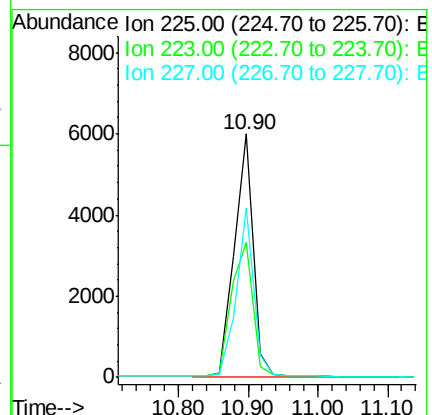
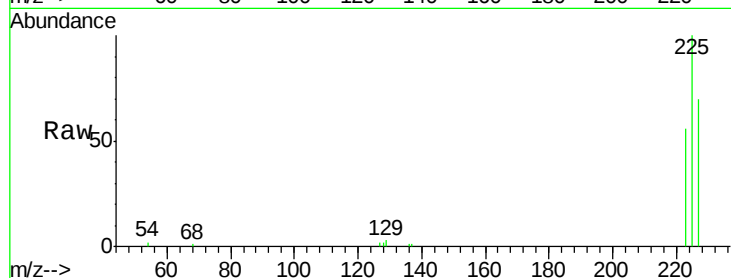
Tgt Ion: 225 Resp: 12768

Ion Ratio Lower Upper

225 100

223 64.2 49.0 73.6

227 66.0 50.3 75.5



#12

2-Methylnaphthalene

Concen: 3.43 ng

RT: 12.21 min Scan# 636

Delta R.T. -0.02 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

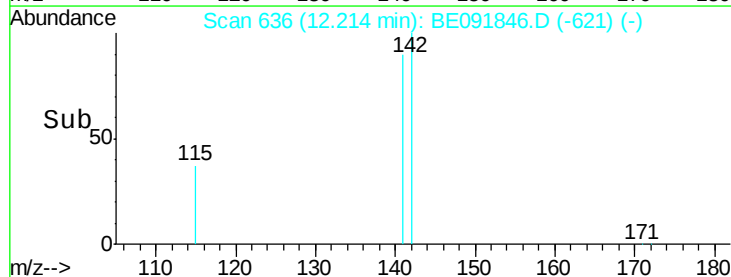
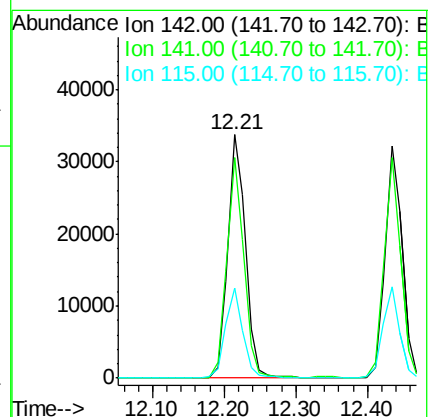
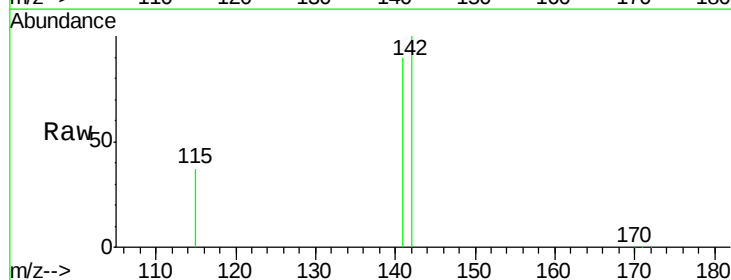
Tgt Ion: 142 Resp: 57342

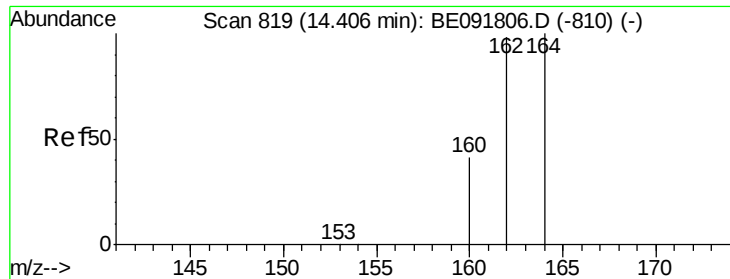
Ion Ratio Lower Upper

142 100

141 90.3 71.4 107.0

115 36.9 30.3 45.5





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.41 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

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PB90761BSD

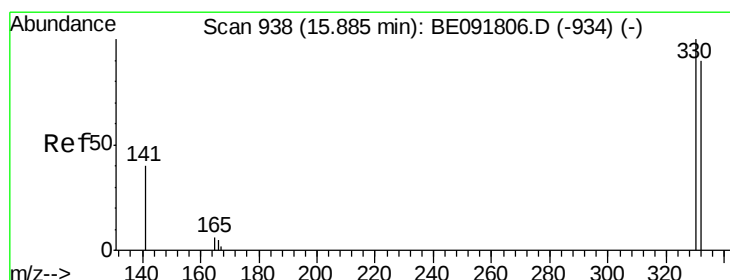
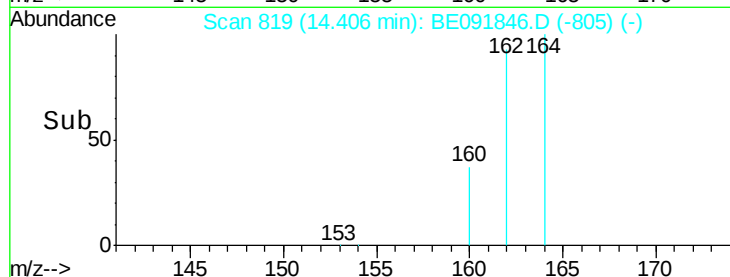
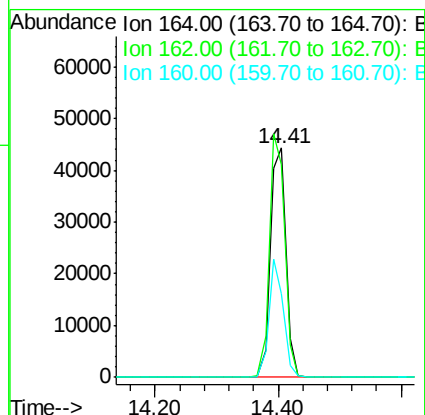
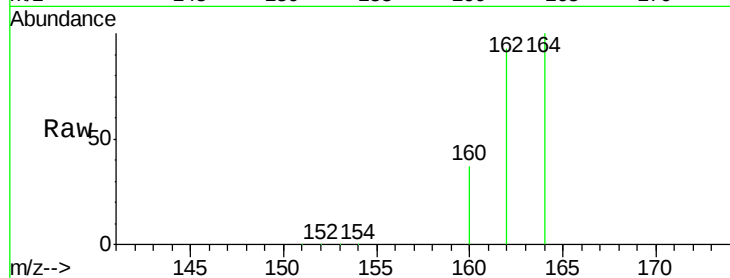
Tgt Ion:164 Resp: 79185

Ion Ratio Lower Upper

164 100

162 92.9 85.3 127.9

160 36.6 46.2 69.2#



#14

2,4,6-Tribromophenol

Concen: 8.29 ng

RT: 15.89 min Scan# 938

Delta R.T. -0.01 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

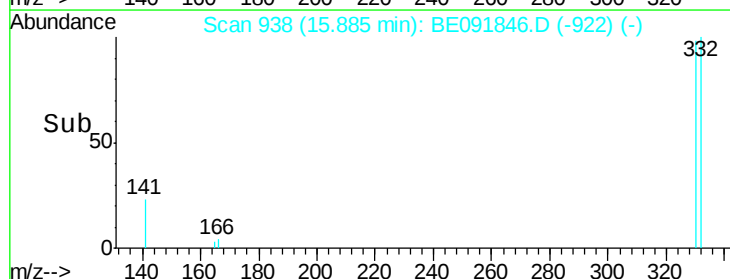
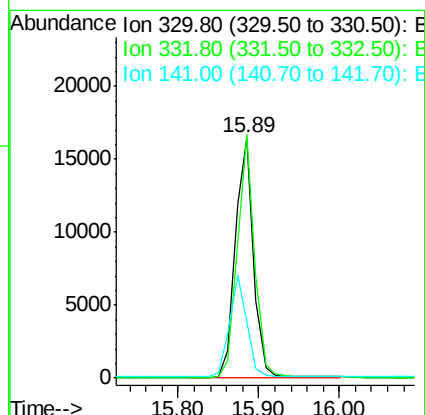
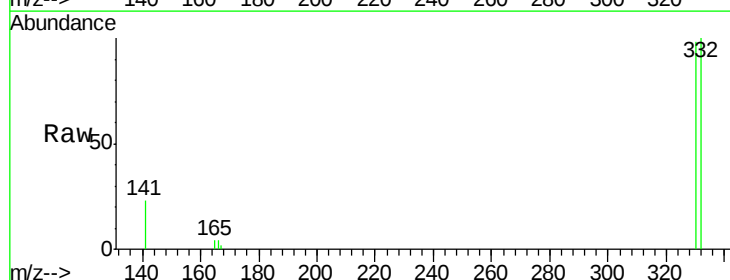
Tgt Ion:330 Resp: 25492

Ion Ratio Lower Upper

330 100

332 96.8 79.1 118.7

141 40.5 125.4 188.0#

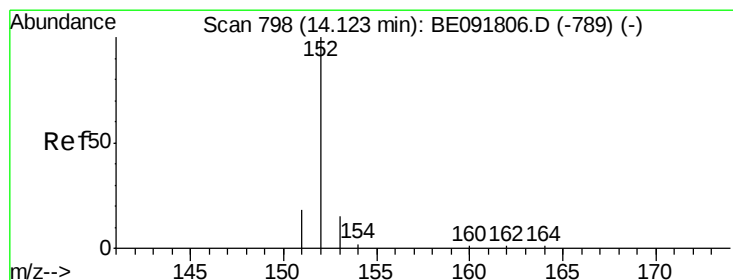
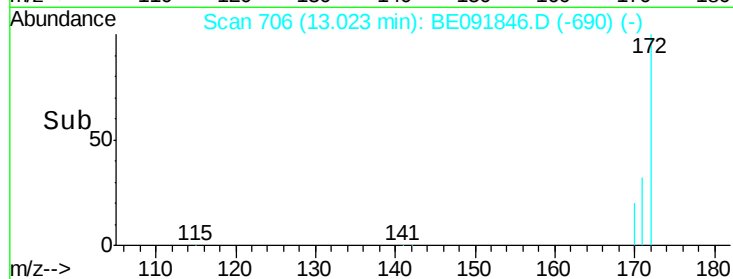
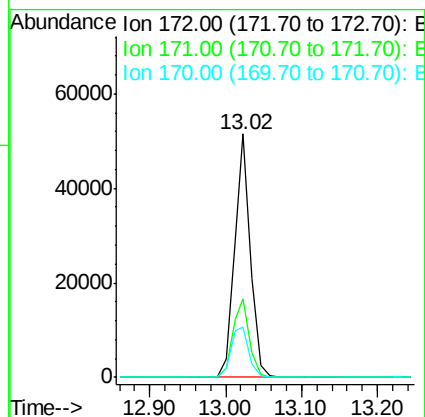
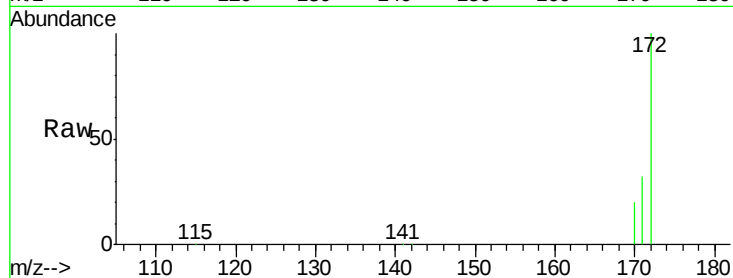




#15
2-Fluorobiphenyl
Concen: 3.36 ng
RT: 13.02 min Scan# 706
Delta R.T. -0.01 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

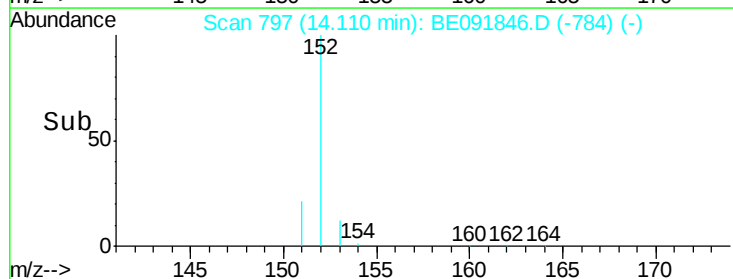
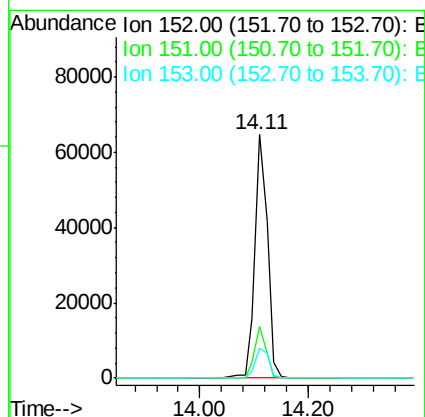
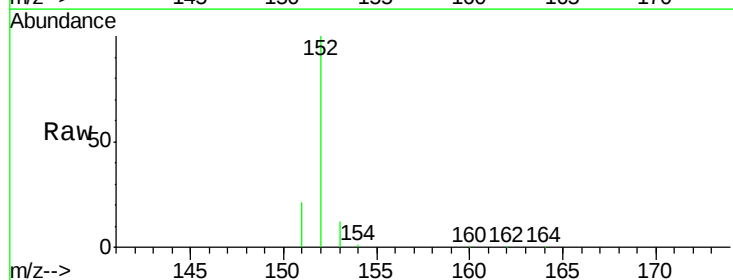
Instrument :
BNA_E
ClientSampleId :
PB90761BSD

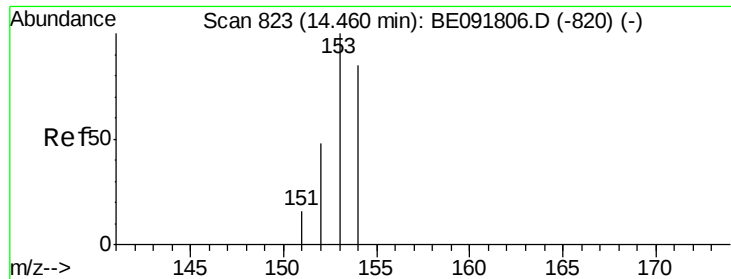
Tgt Ion:172 Resp: 75260
Ion Ratio Lower Upper
172 100
171 32.4 28.8 43.2
170 20.5 19.3 28.9



#16
Acenaphthylene
Concen: 3.21 ng
RT: 14.11 min Scan# 797
Delta R.T. -0.01 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:152 Resp: 113173
Ion Ratio Lower Upper
152 100
151 20.3 3.9 5.9#
153 13.9 10.3 15.5

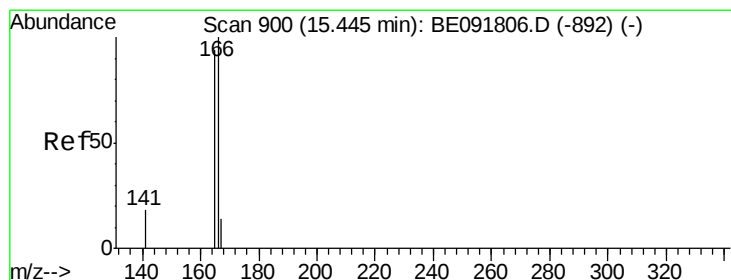
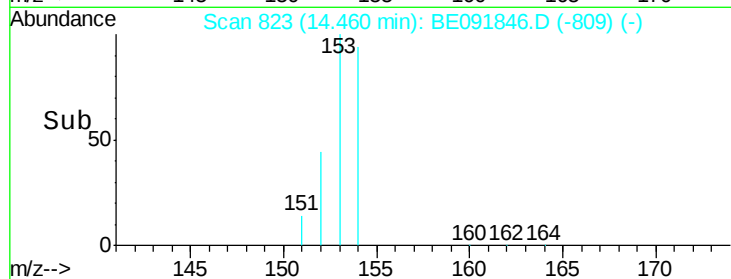
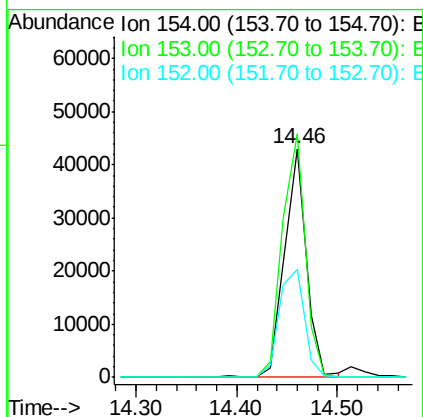
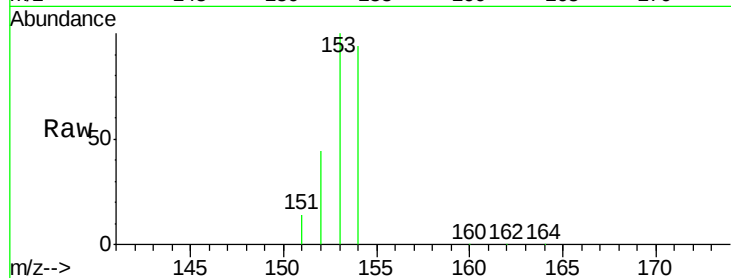




#17
Acenaphthene
Concen: 3.02 ng
RT: 14.46 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

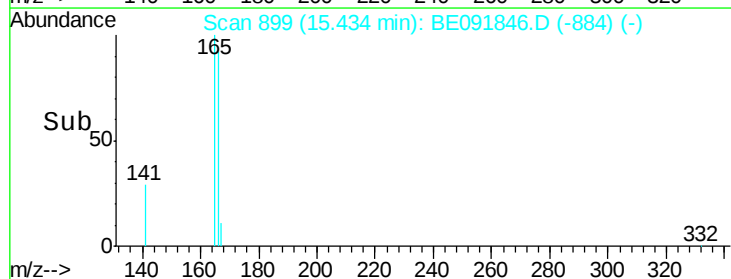
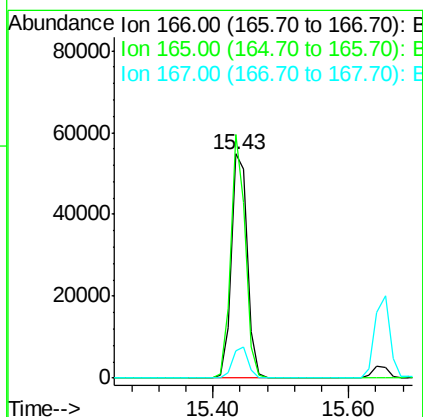
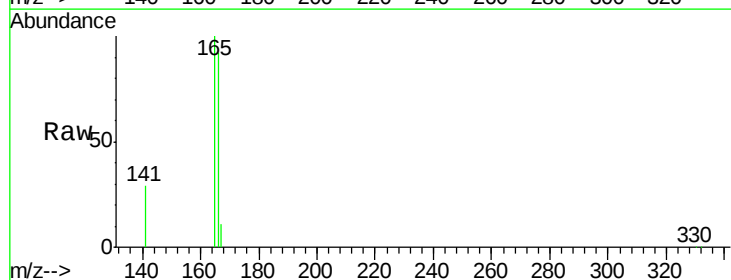
Instrument :
BNA_E
ClientSampleId :
PB90761BSD

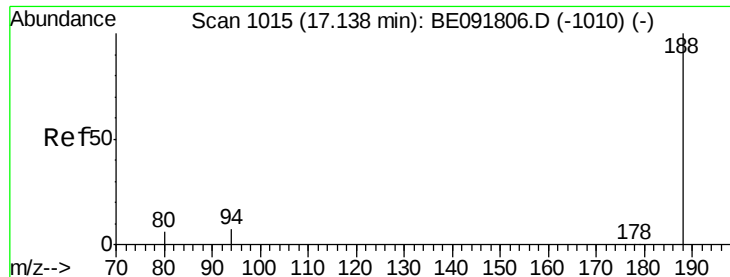
Tgt Ion:154 Resp: 64203
Ion Ratio Lower Upper
154 100
153 111.5 80.0 120.0
152 54.5 40.0 60.0



#18
Fluorene
Concen: 3.32 ng
RT: 15.43 min Scan# 899
Delta R.T. -0.02 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:166 Resp: 91268
Ion Ratio Lower Upper
166 100
165 98.3 80.8 121.2
167 13.5 10.9 16.3

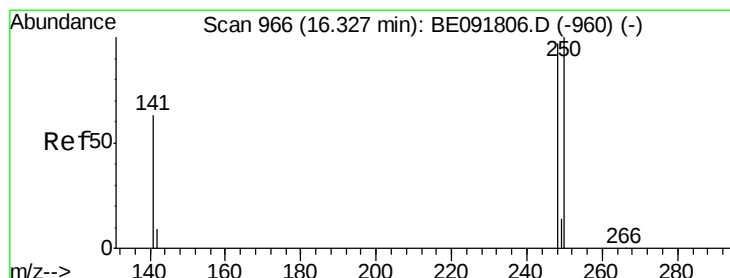
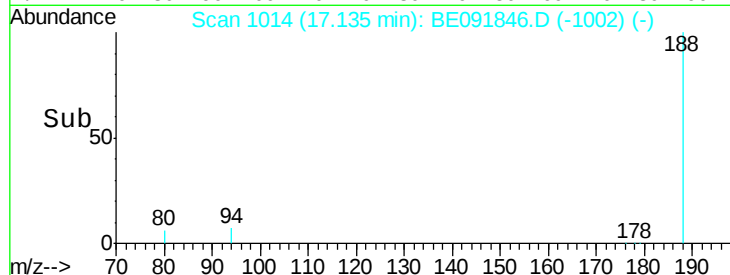
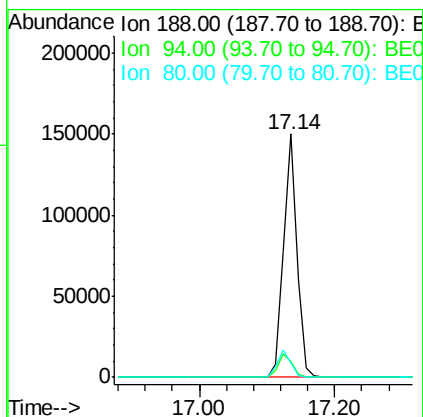
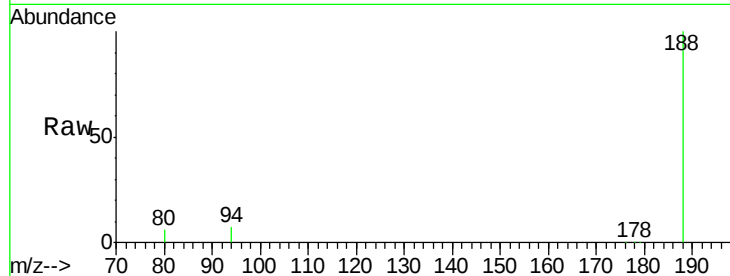




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

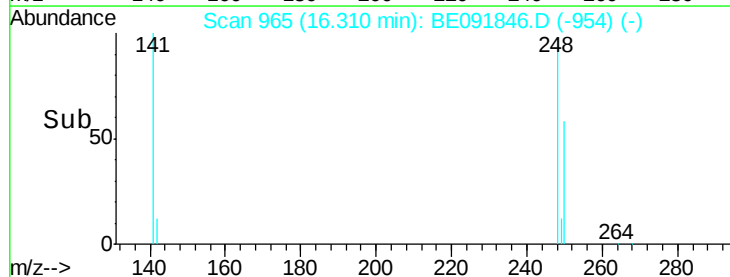
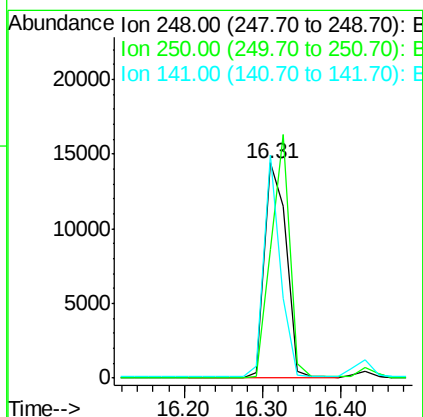
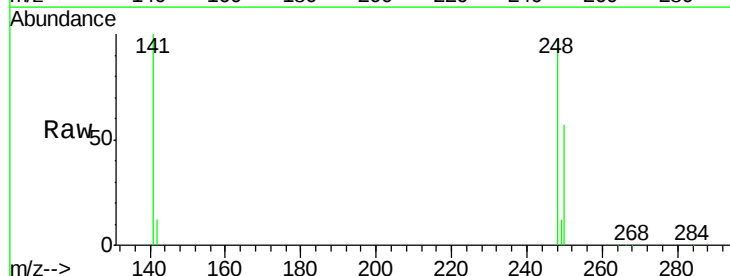
Instrument :
BNA_E
ClientSampleId :
PB90761BSD

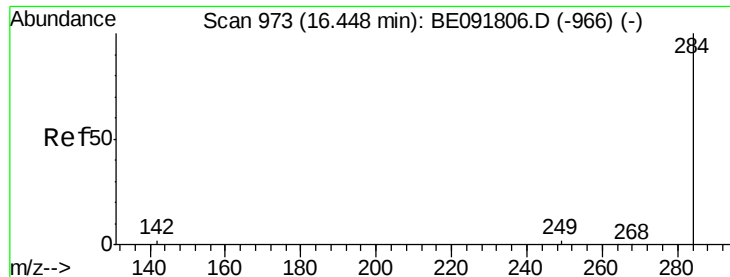
Tgt Ion:188 Resp: 251139
Ion Ratio Lower Upper
188 100
94 6.7 8.7 13.1#
80 5.8 9.4 14.0#



#20
4-Bromophenyl-phenylether
Concen: 2.94 ng
RT: 16.31 min Scan# 965
Delta R.T. -0.02 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:248 Resp: 27620
Ion Ratio Lower Upper
248 100
250 97.3 80.5 120.7
141 79.0 72.0 108.0

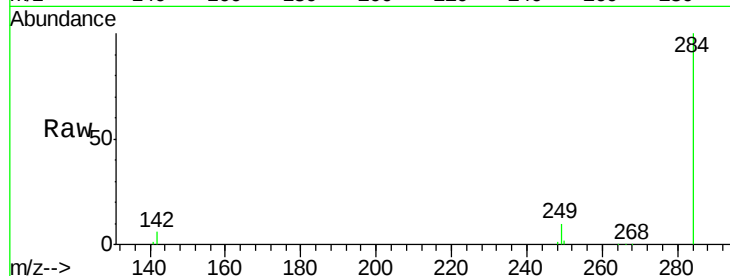




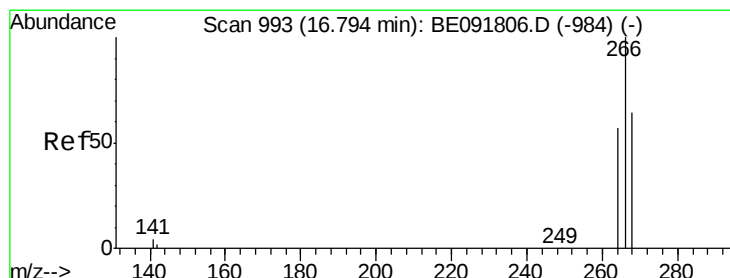
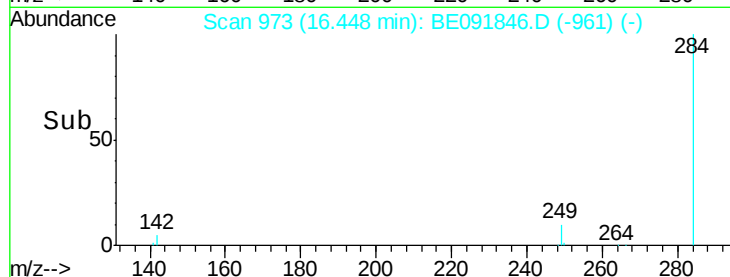
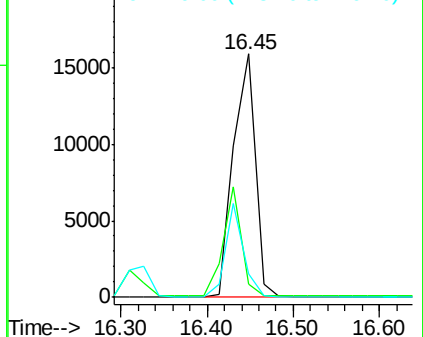
#21
Hexachlorobenzene
Concen: 2.84 ng
RT: 16.45 min Scan# 973
Delta R.T. 0.00 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Instrument :
BNA_E
ClientSampleId :
PB90761BSD

Tgt Ion:284 Resp: 27733
Ion Ratio Lower Upper
284 100
142 37.7 32.2 48.2
249 31.7 25.4 38.2

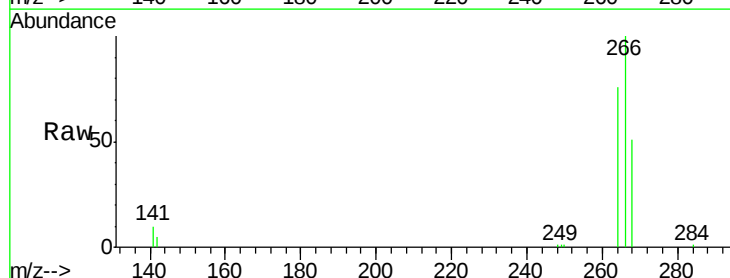


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

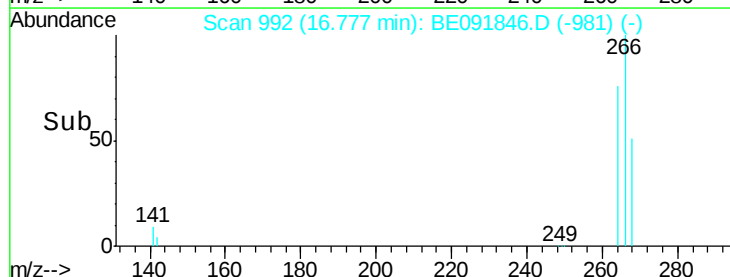
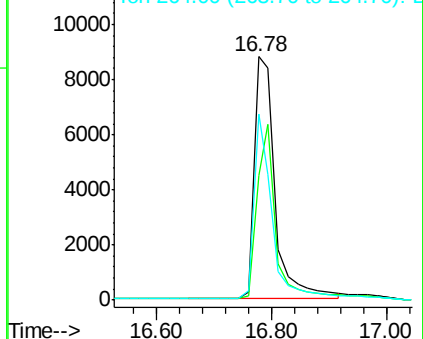


#22
Pentachlorophenol
Concen: 5.54 ng
RT: 16.78 min Scan# 992
Delta R.T. -0.02 min
Lab File: BE091846.D
Acq: 23 May 2016 14:22

Tgt Ion:266 Resp: 22383
Ion Ratio Lower Upper
266 100
268 51.3 58.2 87.2#
264 76.3 56.2 84.4



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





#23

Phenanthrene

Concen: 3.46 ng

RT: 17.17 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

Instrument :

BNA_E

ClientSampleId :

PB90761BSD

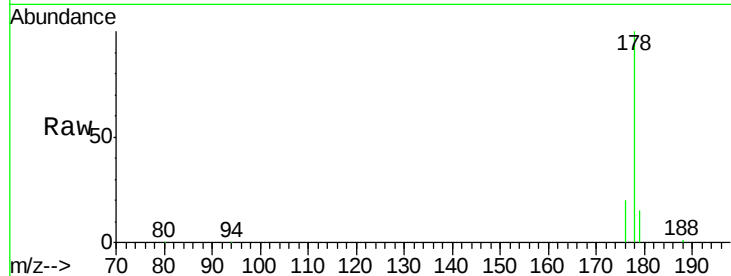
Tgt Ion:178 Resp: 172053

Ion Ratio Lower Upper

178 100

176 19.6 15.3 22.9

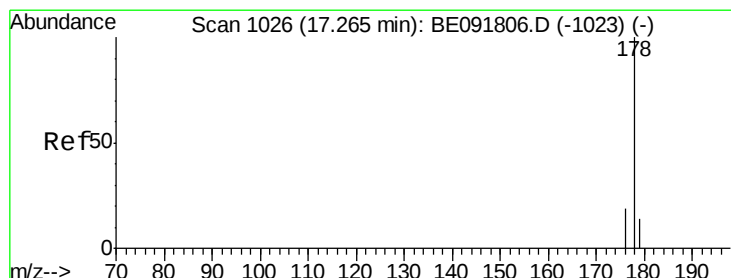
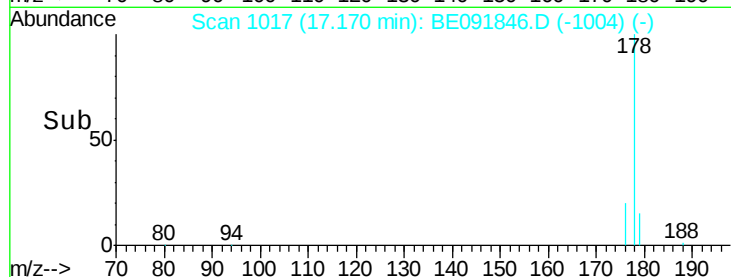
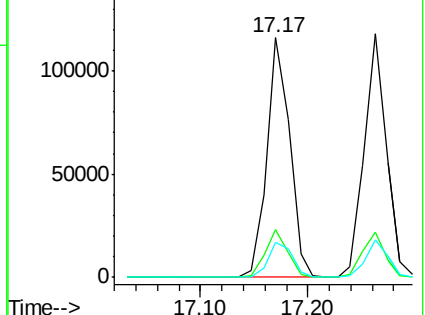
179 15.4 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 3.09 ng

RT: 17.26 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

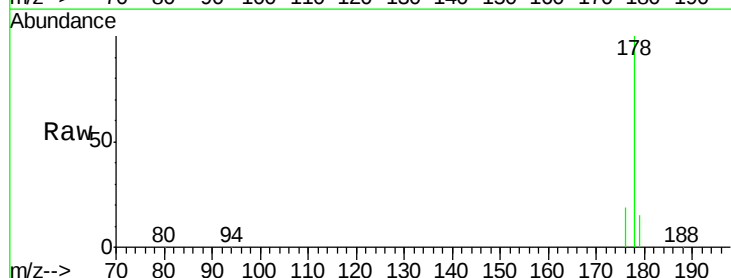
Tgt Ion:178 Resp: 168681

Ion Ratio Lower Upper

178 100

176 18.8 14.6 21.8

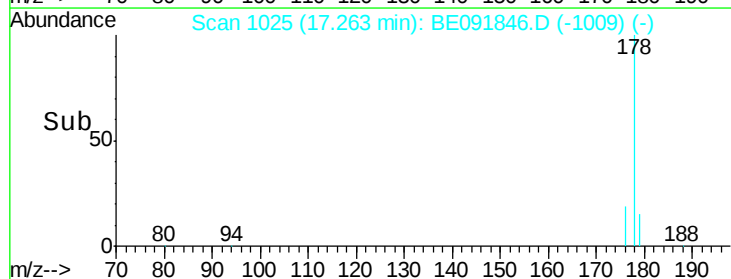
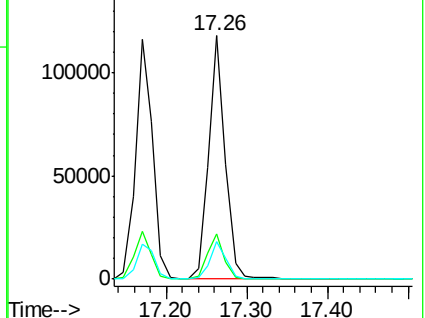
179 15.3 11.8 17.6



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





#25

Fluoranthene

Concen: 3.12 ng

RT: 19.19 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

Instrument :

BNA_E

ClientSampleId :

PB90761BSD

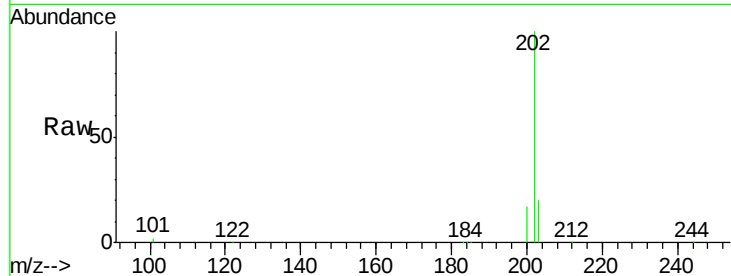
Tgt Ion:202 Resp: 208489

Ion Ratio Lower Upper

202 100

101 12.2 11.0 16.6

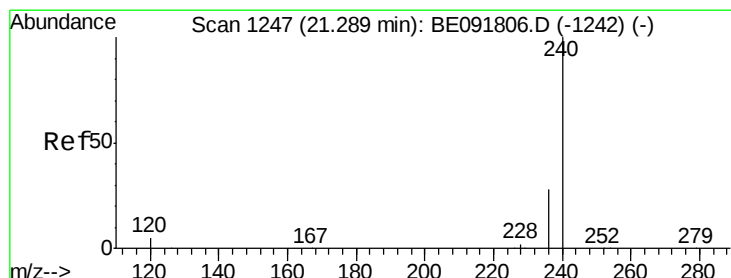
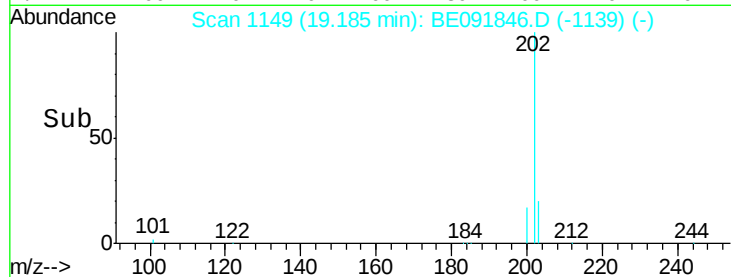
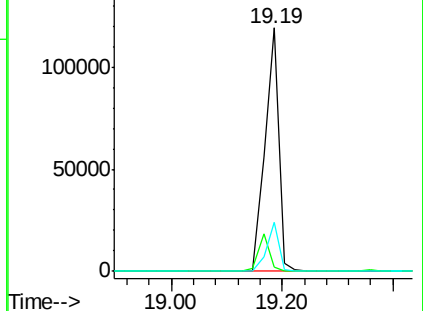
203 18.3 13.9 20.9



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# 1246

Delta R.T. -0.02 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

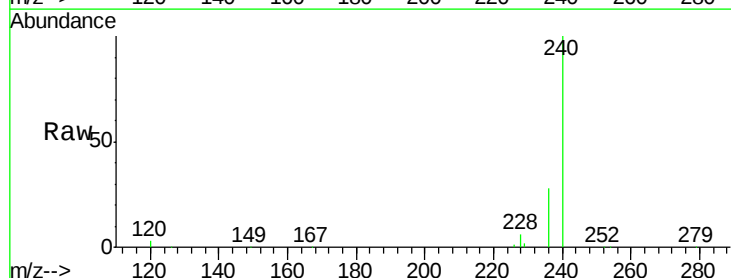
Tgt Ion:240 Resp: 311317

Ion Ratio Lower Upper

240 100

120 2.6 11.0 16.4#

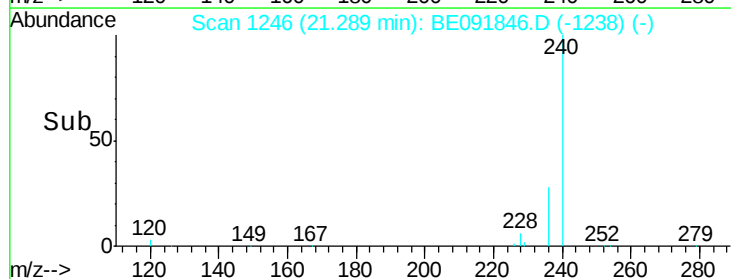
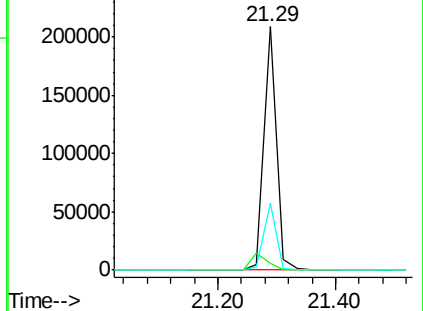
236 27.6 21.7 32.5

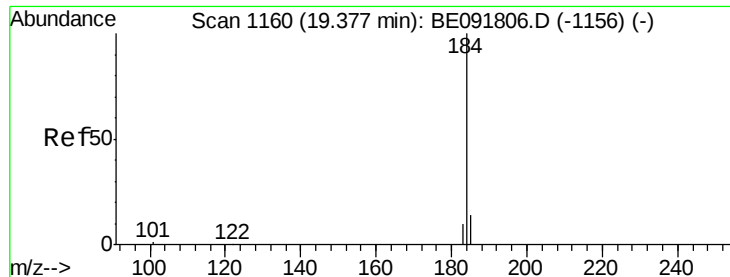


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 4.21 ng

RT: 19.36 min Scan# 1158

Delta R.T. -0.02 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

Instrument :

BNA_E

ClientSampleId :

PB90761BSD

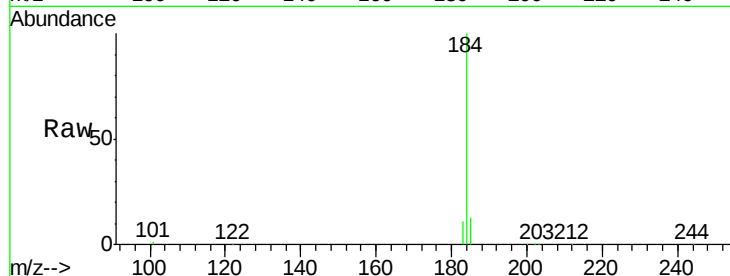
Tgt Ion:184 Resp: 118572

Ion Ratio Lower Upper

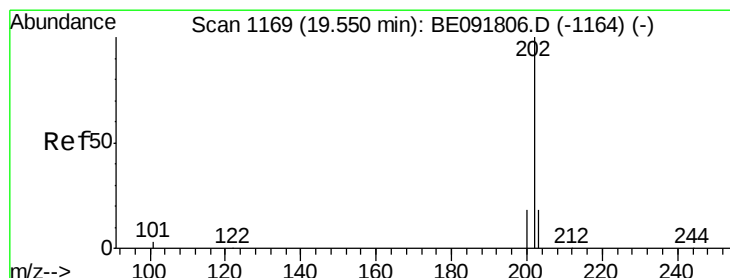
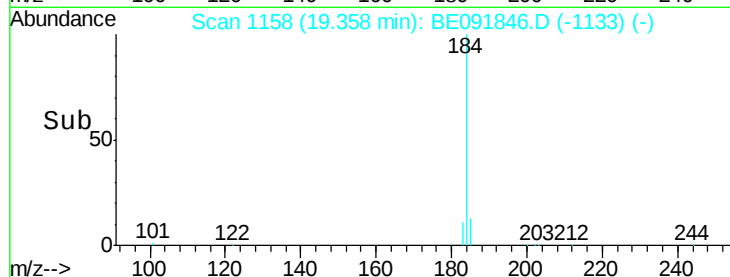
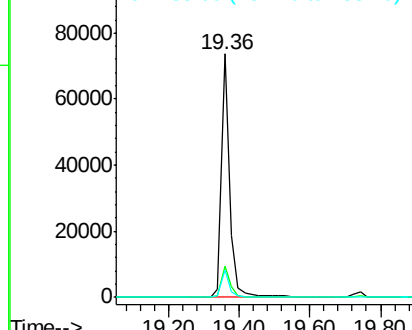
184 100

185 12.8 22.3 33.5#

183 11.5 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: 3.28 ng

RT: 19.53 min Scan# 1167

Delta R.T. -0.02 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

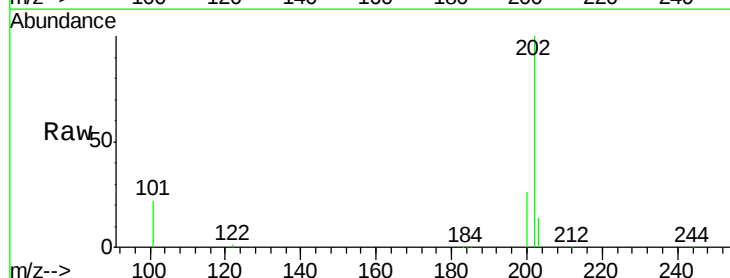
Tgt Ion:202 Resp: 223939

Ion Ratio Lower Upper

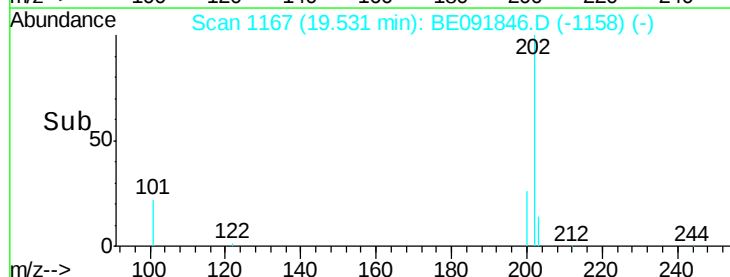
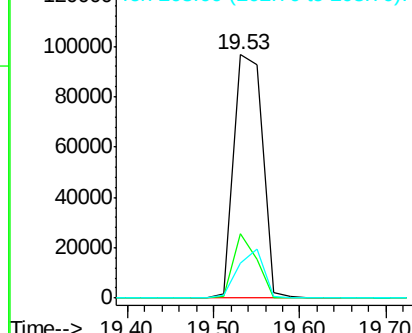
202 100

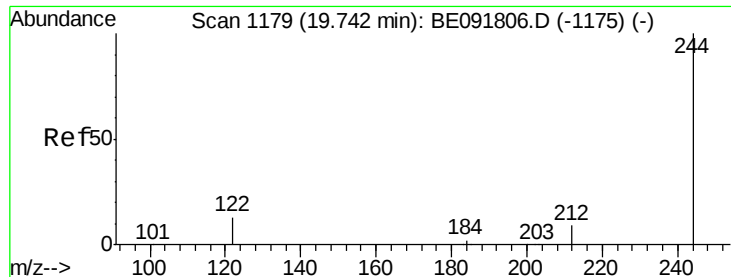
200 21.5 16.8 25.2

203 18.1 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: 3.62 ng

RT: 19.74 min Scan# 1178

Delta R.T. -0.02 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

Instrument :

BNA_E

ClientSampleId :

PB90761BSD

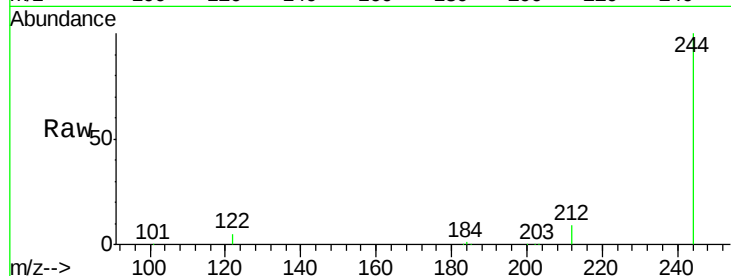
Tgt Ion:244 Resp: 159535

Ion Ratio Lower Upper

244 100

212 8.6 6.9 10.3

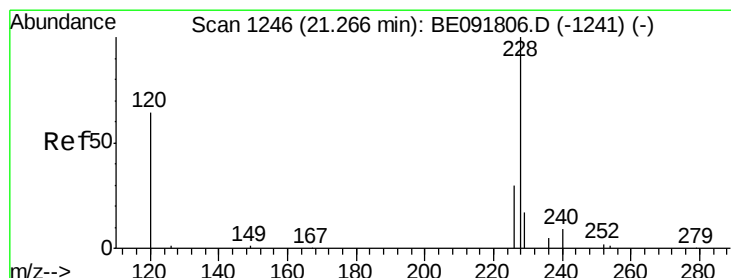
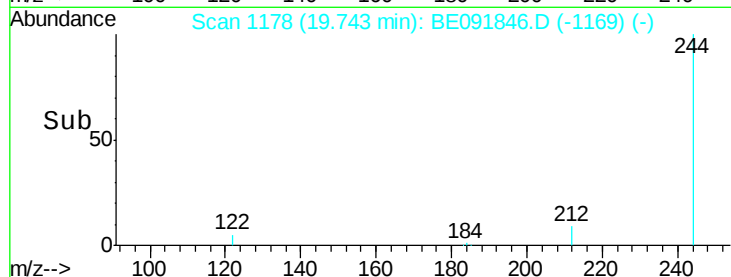
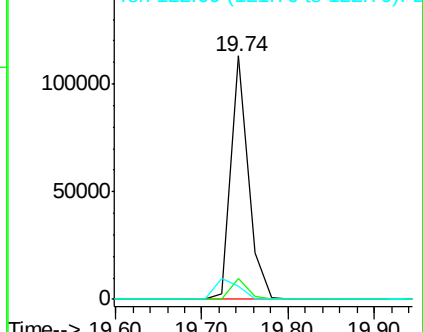
122 5.3 11.0 16.4#



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: 6.49 ng

RT: 21.27 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

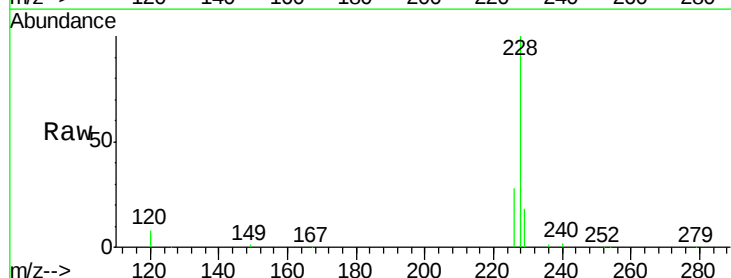
Tgt Ion:228 Resp: 487539

Ion Ratio Lower Upper

228 100

226 27.9 21.0 31.4

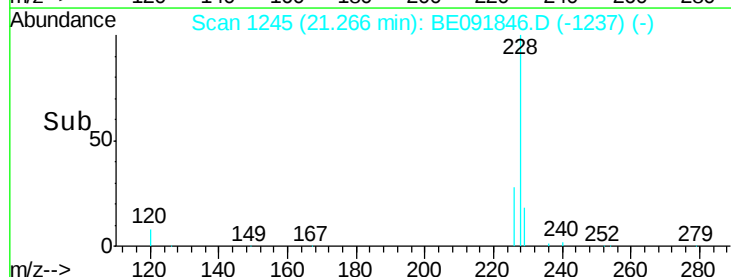
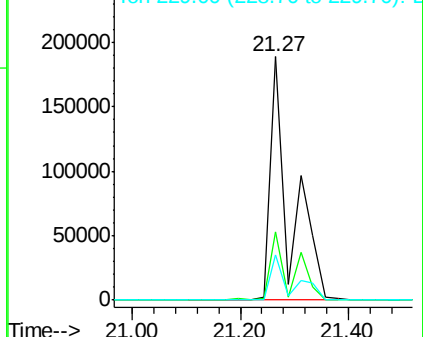
229 18.5 15.7 23.5

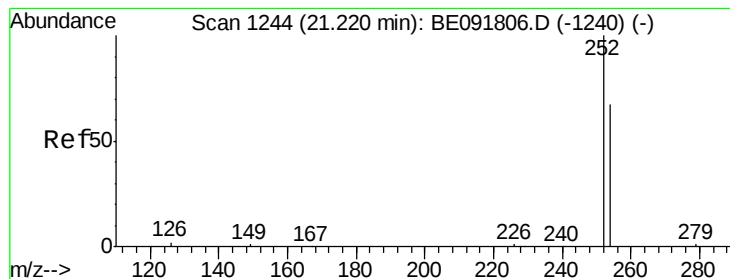


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

3,3'-Dichlorobenzidine

Concen: 1.42 ng

RT: 21.22 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

Instrument :

BNA_E

ClientSampleId :

PB90761BSD

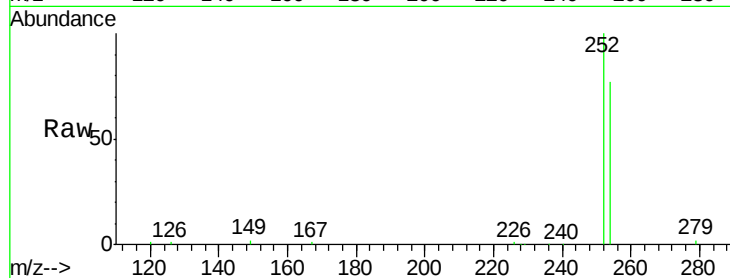
Tgt Ion:252 Resp: 67758

Ion Ratio Lower Upper

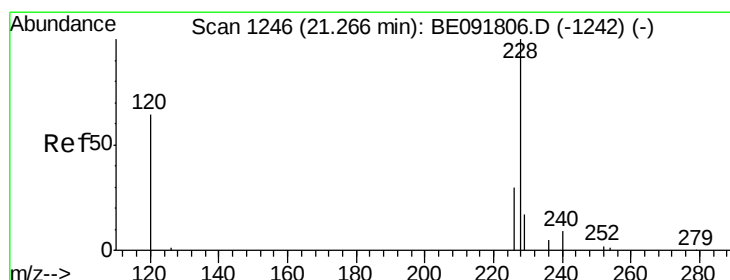
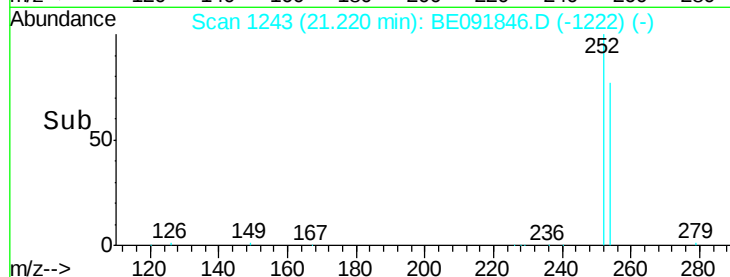
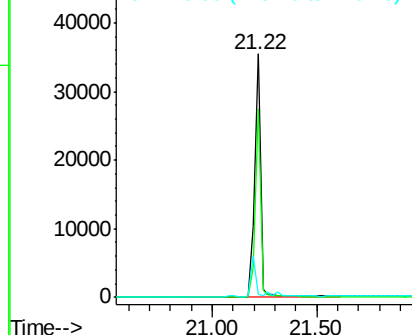
252 100

254 77.3 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: 7.57 ng

RT: 21.27 min Scan# 1245

Delta R.T. -0.07 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

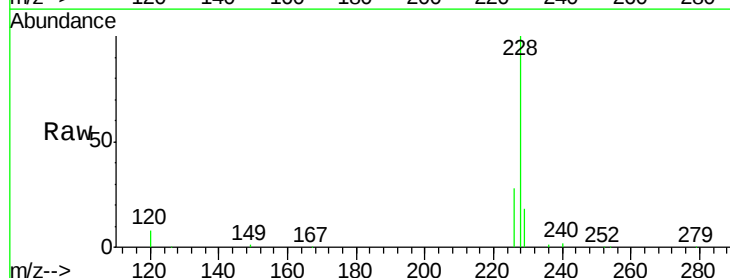
Tgt Ion:228 Resp: 489057

Ion Ratio Lower Upper

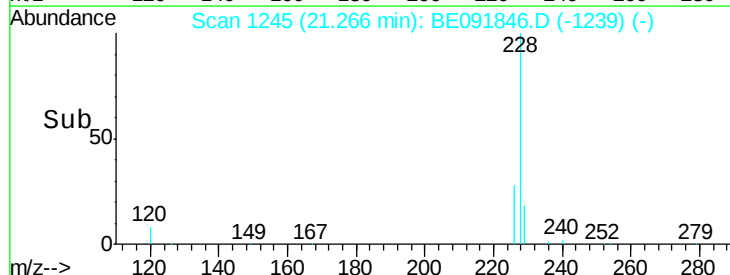
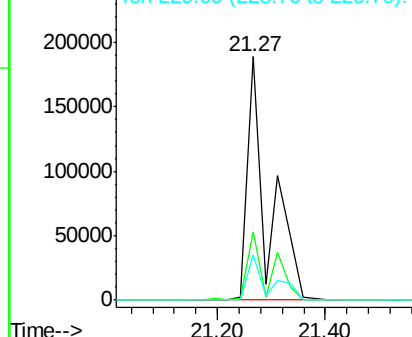
228 100

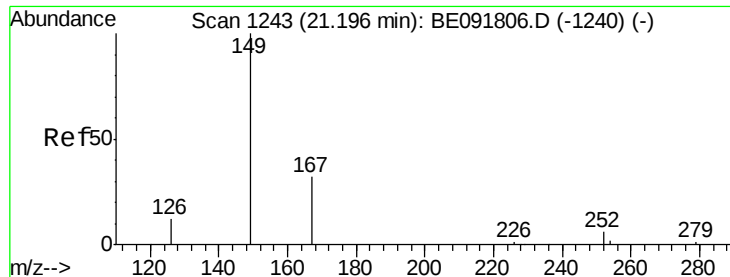
226 27.9 24.0 36.0

229 18.5 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: 2.78 ng

RT: 21.20 min Scan# 1242

Delta R.T. -0.02 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

Instrument :

BNA_E

ClientSampleId :

PB90761BSD

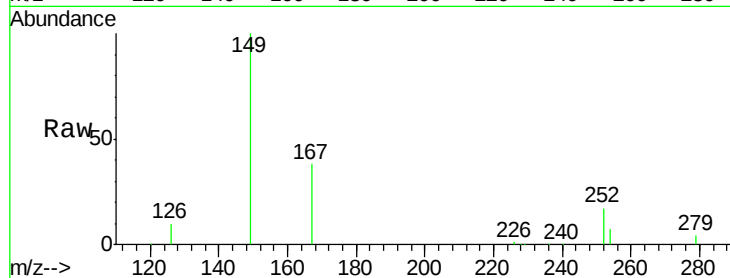
Tgt Ion:149 Resp: 114038

Ion Ratio Lower Upper

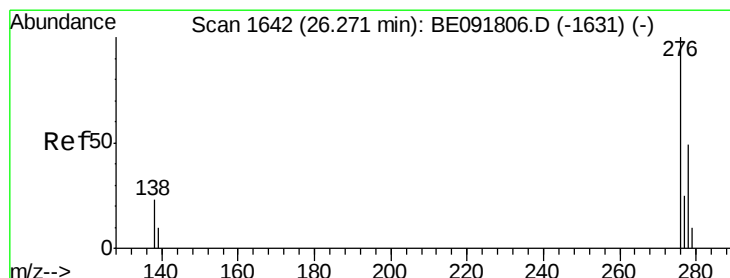
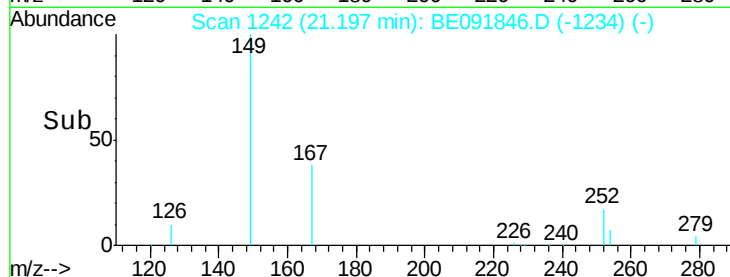
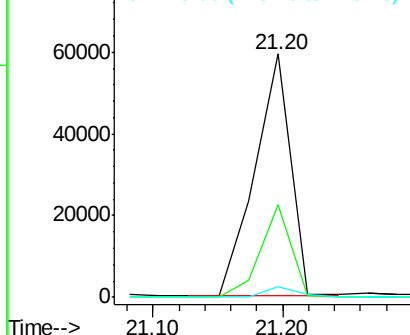
149 100

167 32.1 19.5 29.3#

279 3.9 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: 3.49 ng

RT: 26.26 min Scan# 1640

Delta R.T. -0.05 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

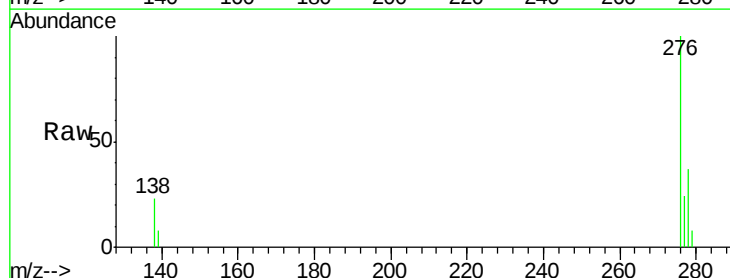
Tgt Ion:276 Resp: 268581

Ion Ratio Lower Upper

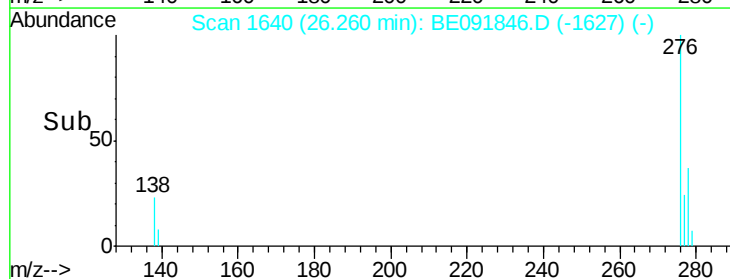
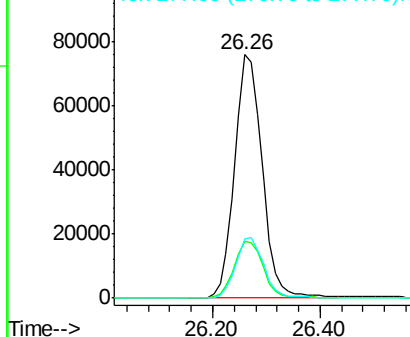
276 100

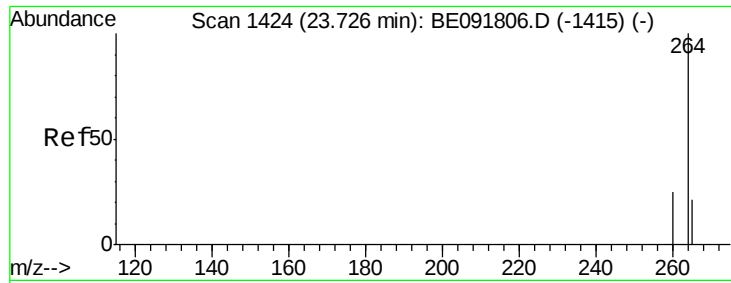
138 24.2 23.4 35.2

277 24.8 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

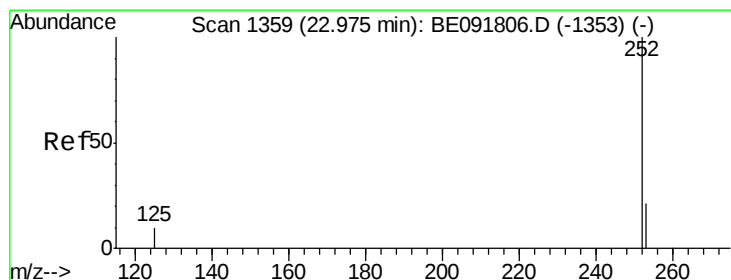
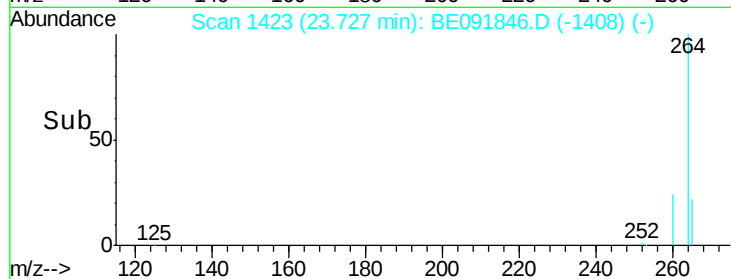
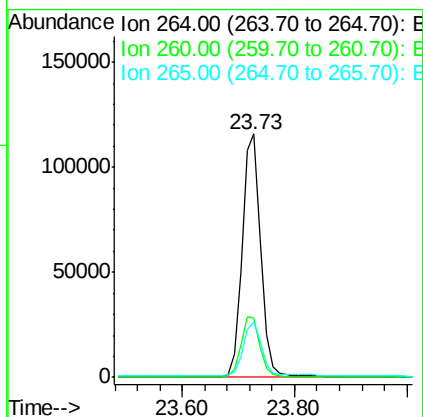
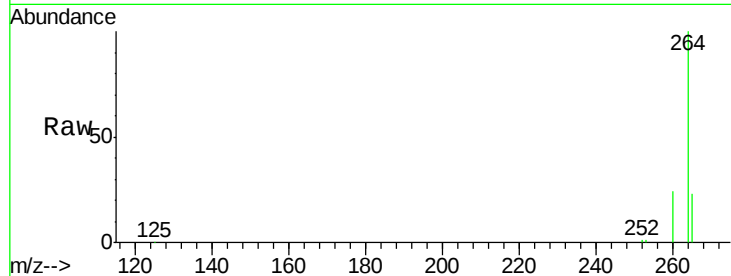




#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.73 min Scan# 1423
 Delta R.T. -0.02 min
 Lab File: BE091846.D
 Acq: 23 May 2016 14:22

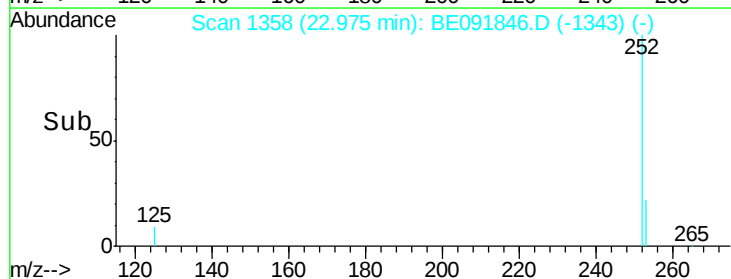
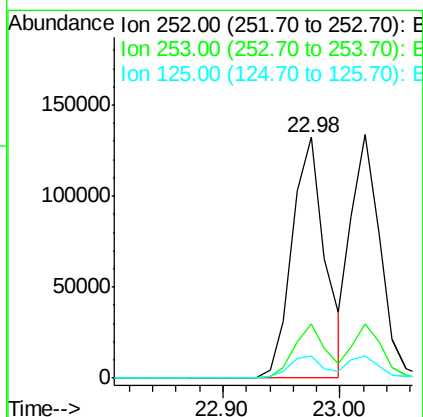
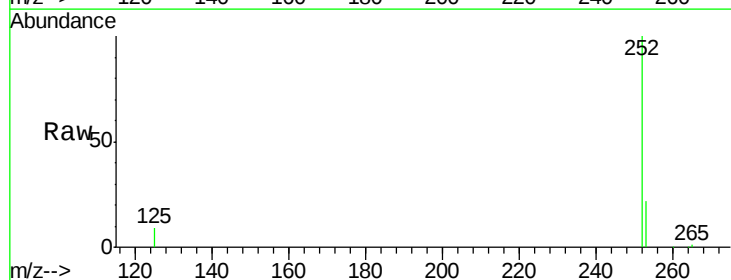
Instrument :
 BNA_E
 ClientSampleId :
 PB90761BSD

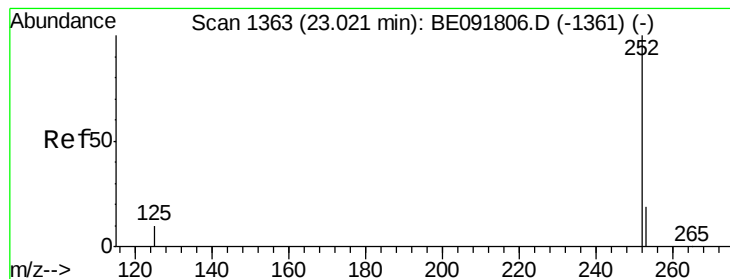
Tgt Ion: 264 Resp: 267150
 Ion Ratio Lower Upper
 264 100
 260 24.4 20.0 30.0
 265 22.9 17.5 26.3



#36
 Benzo(b)fluoranthene
 Concen: 3.85 ng
 RT: 22.98 min Scan# 1358
 Delta R.T. -0.02 min
 Lab File: BE091846.D
 Acq: 23 May 2016 14:22

Tgt Ion: 252 Resp: 257613
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.4 26.0
 125 9.1 10.2 15.2#





#37

Benzo(k)fluoranthene

Concen: 3.37 ng

RT: 23.02 min Scan# 1362

Delta R.T. -0.02 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

Instrument :

BNA_E

ClientSampleId :

PB90761BSD

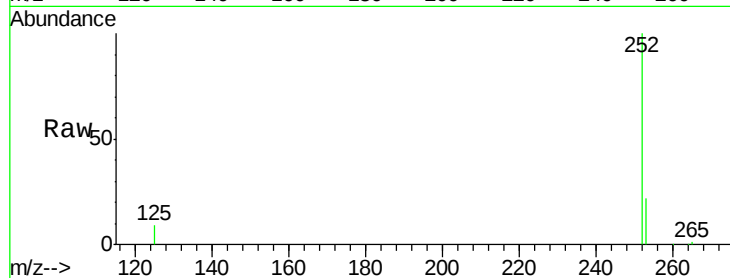
Tgt Ion:252 Resp: 230281

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

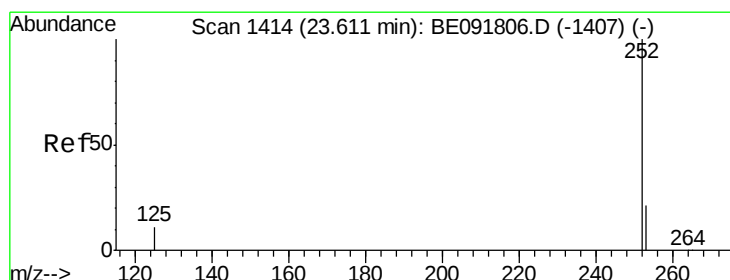
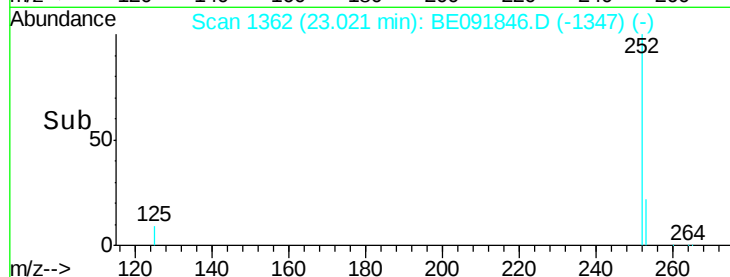
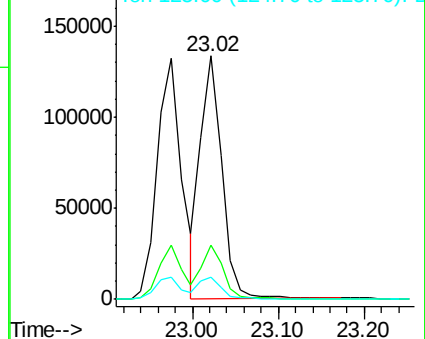
125 9.4 9.9 14.9#



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



#38

Benzo(a)pyrene

Concen: 3.73 ng

RT: 23.61 min Scan# 1413

Delta R.T. -0.02 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

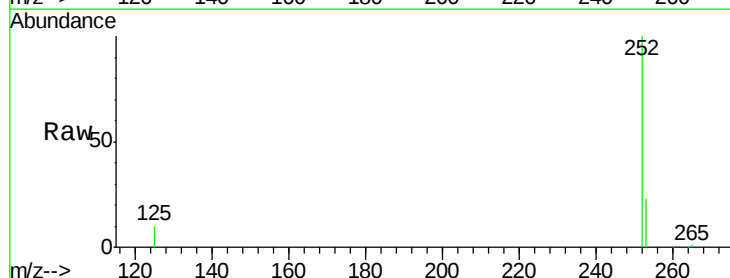
Tgt Ion:252 Resp: 237722

Ion Ratio Lower Upper

252 100

253 22.9 18.1 27.1

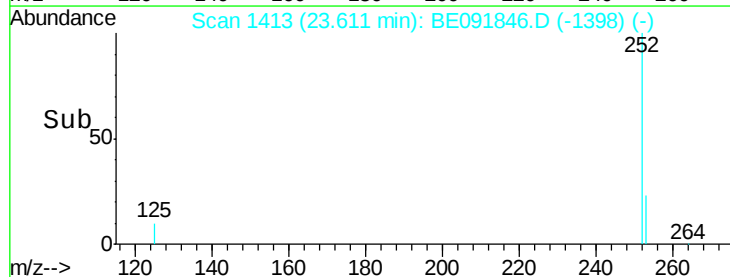
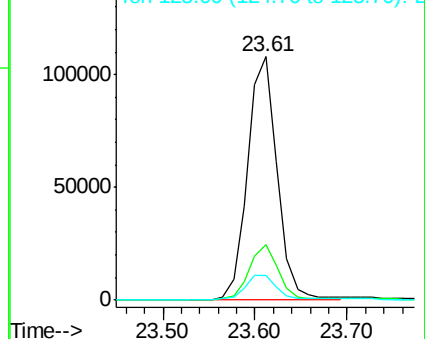
125 10.0 11.0 16.4#

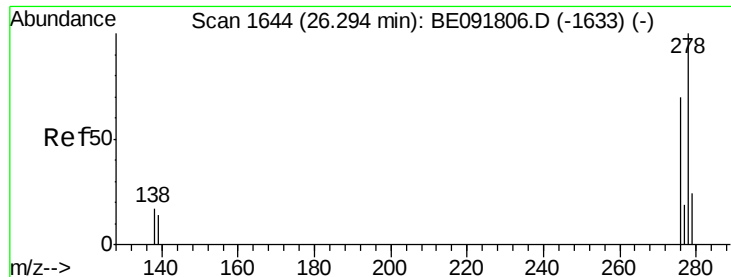


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 3.62 ng

RT: 26.29 min Scan# 1643

Delta R.T. -0.05 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

Instrument :

BNA_E

ClientSampleId :

PB90761BSD

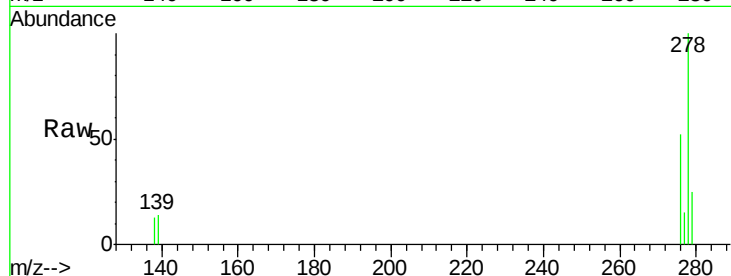
Tgt Ion: 278 Resp: 225256

Ion Ratio Lower Upper

278 100

139 13.6 16.0 24.0#

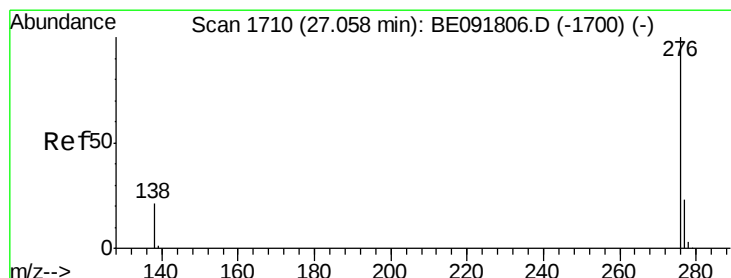
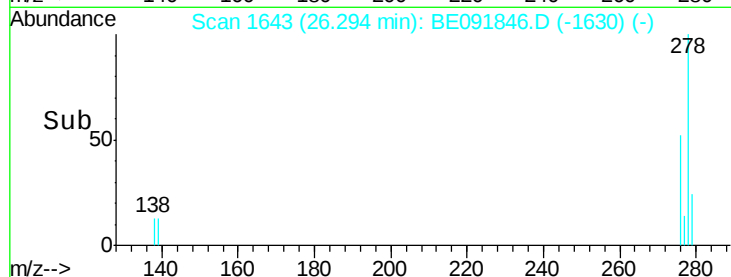
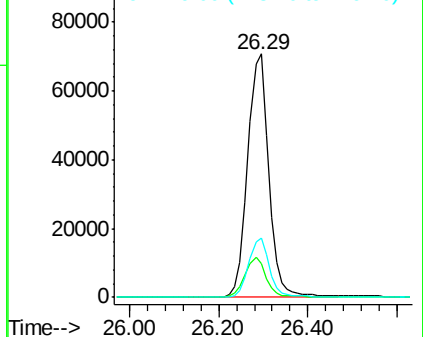
279 24.6 19.4 29.2



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: 3.52 ng

RT: 27.06 min Scan# 1709

Delta R.T. -0.05 min

Lab File: BE091846.D

Acq: 23 May 2016 14:22

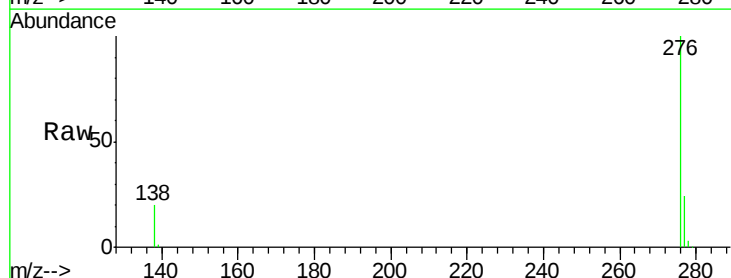
Tgt Ion: 276 Resp: 226137

Ion Ratio Lower Upper

276 100

277 23.9 18.6 28.0

138 20.2 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

