

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102315\
 Data File : BE091038.D
 Acq On : 23 Oct 2015 17:57
 Operator : UM/NP
 Sample : PB86253BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB86253BSD

Quant Time: Oct 23 23:45:49 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 07 17:11:43 2015
 Response via : Initial Calibration

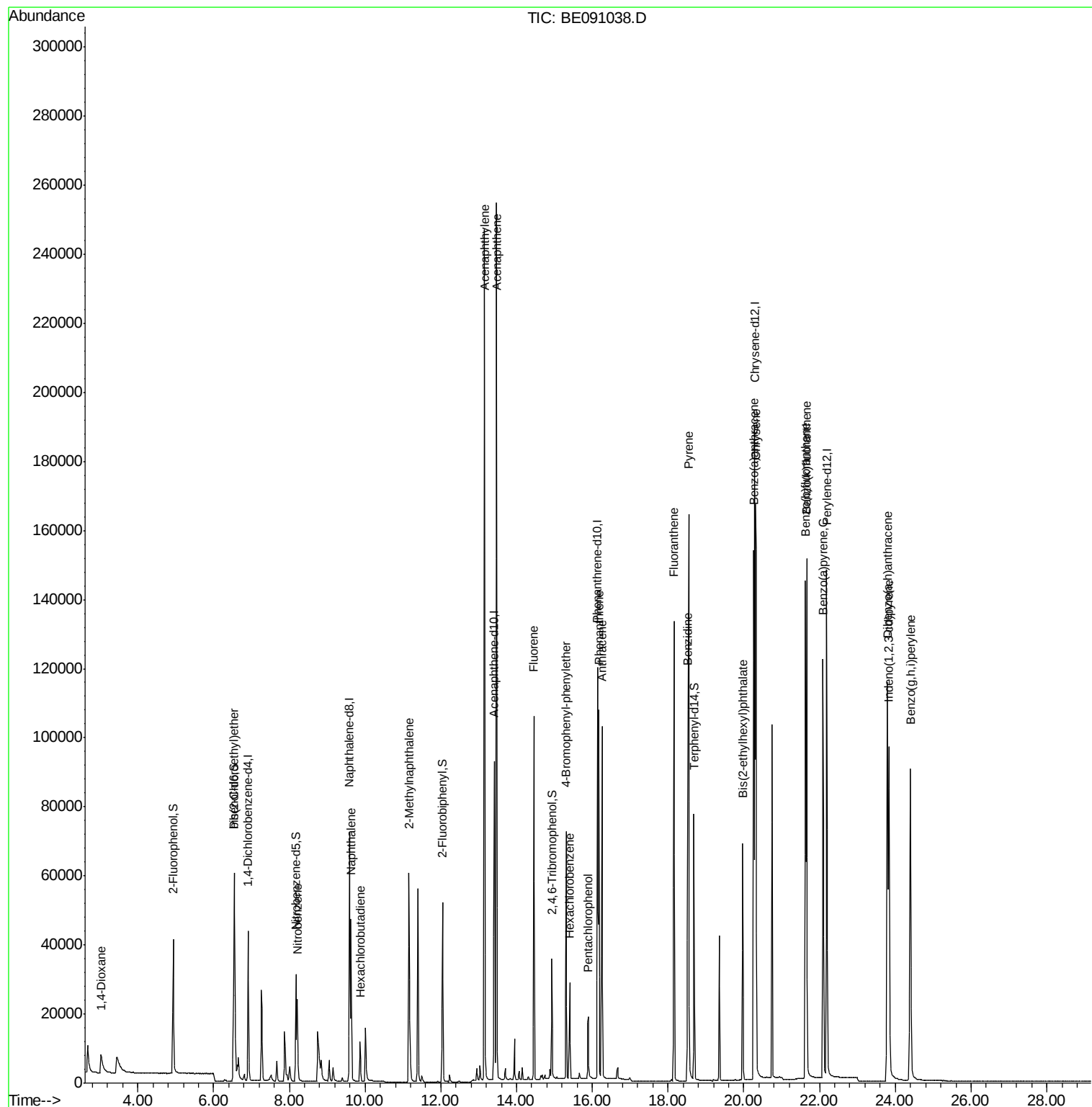
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	18924	5.00	ng	-0.04
7) Naphthalene-d8	9.59	136	89242	5.00	ng	-0.05
13) Acenaphthene-d10	13.41	164	49414	5.00	ng	-0.05
19) Phenanthrene-d10	16.13	188	123392	5.00	ng	-0.05
26) Chrysene-d12	20.29	240	156052	5.00	ng	-0.05
35) Perylene-d12	22.19	264	153794	5.00	ng	-0.06
System Monitoring Compounds						
4) 2-Fluorophenol	4.93	112	28805	7.51	ng	-0.07
5) Phenol-d6	6.55	99	38583	7.96	ng	-0.07
8) Nitrobenzene-d5	8.17	82	25379	4.34	ng	-0.06
14) 2,4,6-Tribromophenol	14.93	330	12873	7.53	ng	-0.05
15) 2-Fluorobiphenyl	12.05	172	48435	3.62	ng	-0.05
29) Terphenyl-d14	18.68	244	76507	3.98	ng	-0.05
Target Compounds						Qvalue
2) 1,4-Dioxane	3.03	88	8324	3.34	ng	# 83
6) bis(2-Chloroethyl)ether	6.55	93	49284	9.52	ng	# 28
9) Nitrobenzene	8.21	77	27079	4.08	ng	95
10) Naphthalene	9.63	128	61108	3.54	ng	100
11) Hexachlorobutadiene	9.86	225	8294	3.00	ng	98
12) 2-Methylnaphthalene	11.16	142	44354	3.92	ng	99
16) Acenaphthylene	13.15	152	299662	3.63	ng	100
17) Acenaphthene	13.47	154	45599	3.46	ng	92
18) Fluorene	14.46	166	60347	3.70	ng	98
20) 4-Bromophenyl-phenylether	15.31	248	15393	3.30	ng	78
21) Hexachlorobenzene	15.40	284	16941	0.71	ng	94
22) Pentachlorophenol	15.89	266	12941	6.78	ng	90
23) Phenanthrene	16.17	178	107165	3.80	ng	99
24) Anthracene	16.25	178	101868	3.80	ng	98
25) Fluoranthene	18.16	202	124461	3.88	ng	99
27) Benzdine	18.52	184	80258	10.16	ng	# 77
28) Pyrene	18.54	202	137308	3.83	ng	99
30) Benzo(a)anthracene	20.26	228	129739	3.74	ng	99
32) Chrysene	20.32	228	133556	3.63	ng	98
33) Bis(2-ethylhexyl)phthalate	19.97	149	58932	4.03	ng	99
34) Indeno(1,2,3-cd)pyrene	23.83	276	137114	3.54	ng	# 93
36) Benzo(b)fluoranthene	21.62	252	133339	3.93	ng	99
37) Benzo(k)fluoranthene	21.66	252	143554	3.48	ng	99
38) Benzo(a)pyrene	22.09	252	130359	4.15	ng	99
39) Dibenzo(a,h)anthracene	23.79	278	133263	4.29	ng	99
40) Benzo(g,h,i)perylene	24.40	276	140785	4.18	ng	99

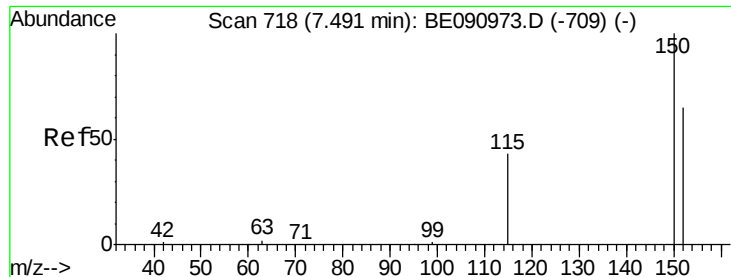
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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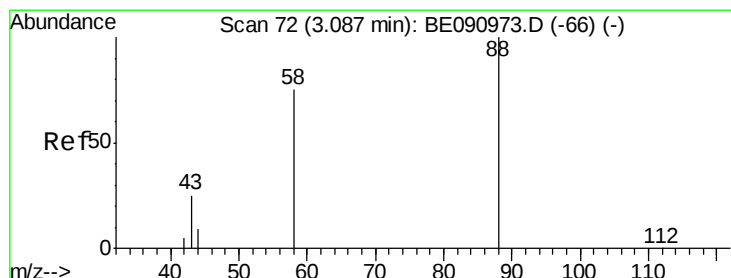
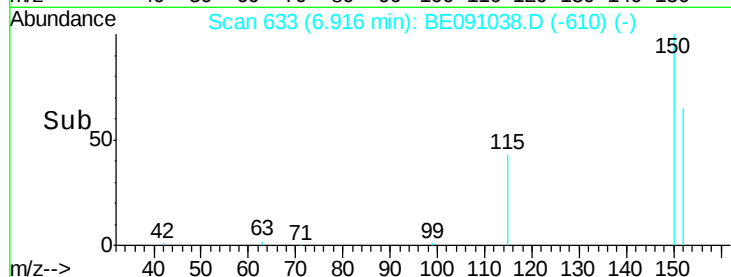
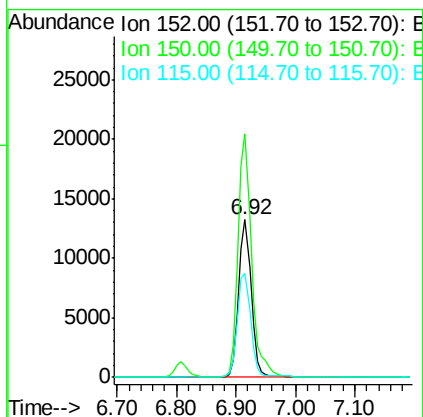
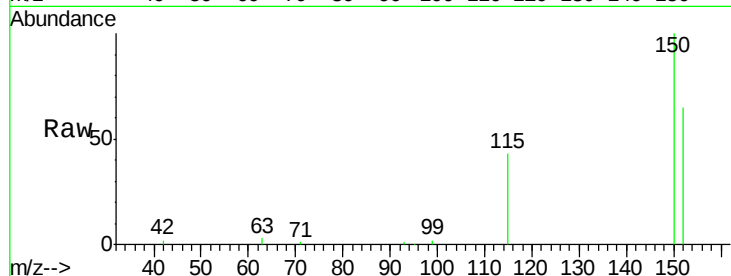


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.92 min Scan# 633
Delta R.T. -0.04 min
Lab File: BE091038.D
Acq: 23 Oct 2015 17:57

Instrument :
BNA_E
ClientSampleId :
PB86253BSD

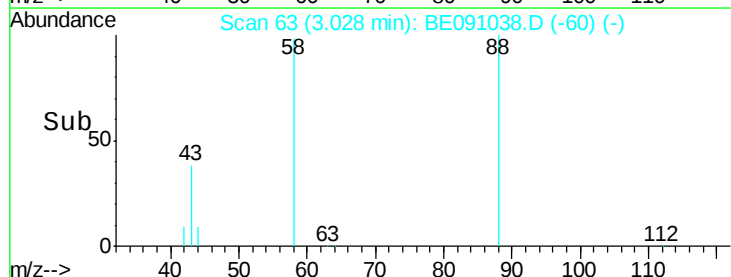
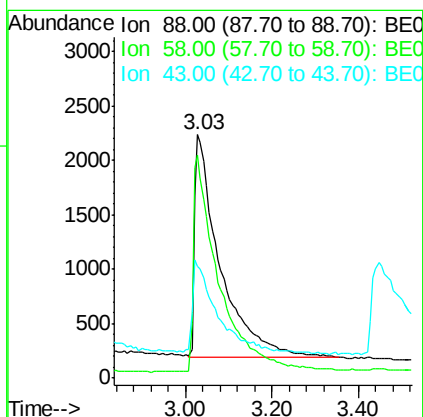
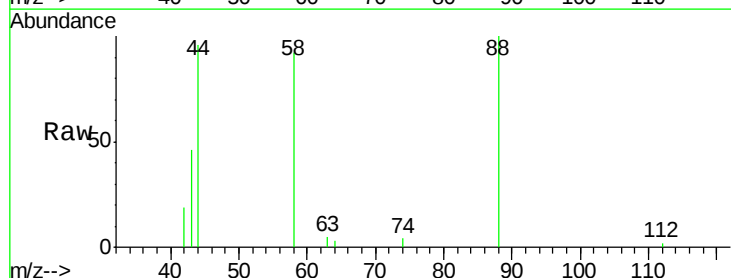
Tot Ion:152 Resp: 18924
Ion Ratio Lower Upper
152 100
150 154.6 122.6 183.8
115 66.3 52.8 79.2

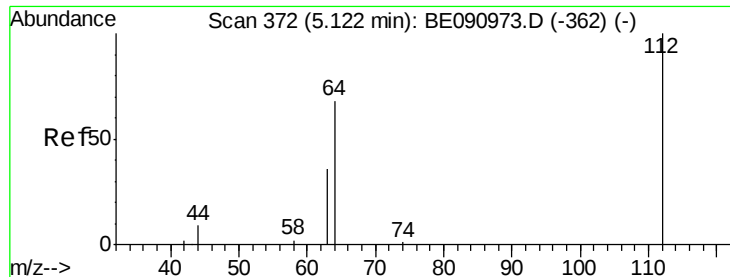


#2

1,4-Dioxane
Concen: 3.34 ng
RT: 3.03 min Scan# 63
Delta R.T. -0.18 min
Lab File: BE091038.D
Acq: 23 Oct 2015 17:57

Tgt Ion: 88 Resp: 8324
Ion Ratio Lower Upper
88 100
58 98.8 65.8 98.6#
43 39.0 25.3 37.9#





#4

2-Fluorophenol

Concen: 7.51 ng

RT: 4.93 min Scan# 344

Delta R.T. -0.07 min

Lab File: BE091038.D

Acq: 23 Oct 2015 17:57

Instrument :

BNA_E

ClientSampleId :

PB86253BSD

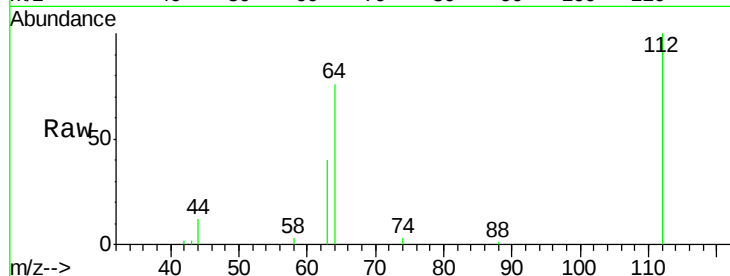
Tot Ion:112 Resp: 28805

Ion Ratio Lower Upper

112 100

64 78.9 30.9 46.3#

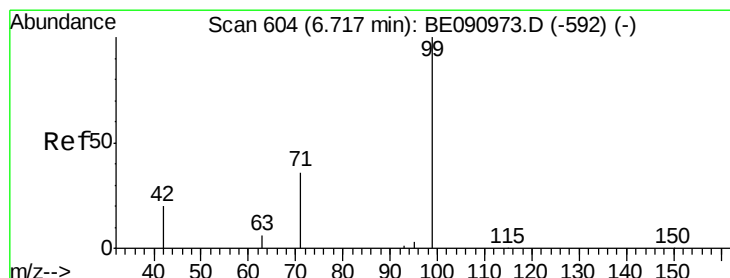
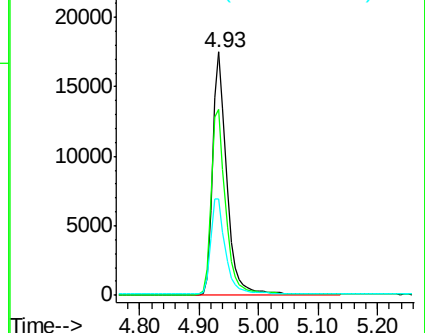
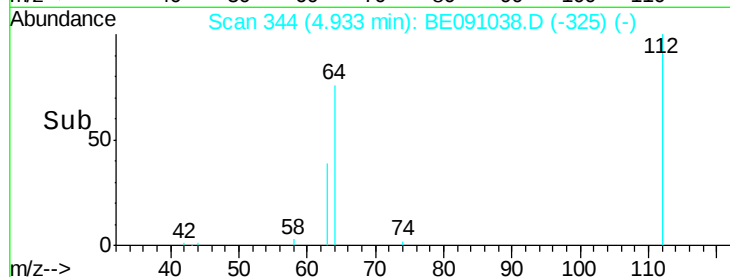
63 41.6 16.7 25.1#



Abundance Ion 112.00 (111.70 to 112.70): BE091038.D (-325) (-)

Ion 64.00 (63.70 to 64.70): BE091038.D (-325) (-)

Ion 63.00 (62.70 to 63.70): BE091038.D (-325) (-)



#5

Phenol-d6

Concen: 7.96 ng

RT: 6.55 min Scan# 579

Delta R.T. -0.07 min

Lab File: BE091038.D

Acq: 23 Oct 2015 17:57

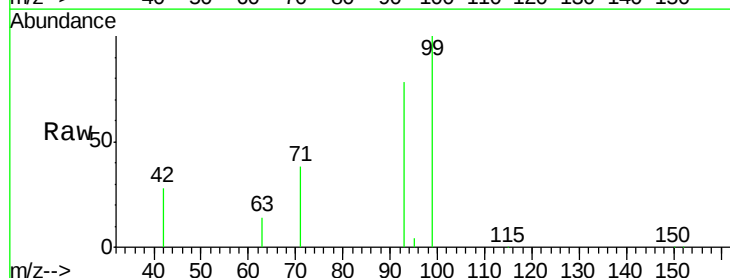
Tgt Ion: 99 Resp: 38583

Ion Ratio Lower Upper

99 100

42 30.8 16.2 24.2#

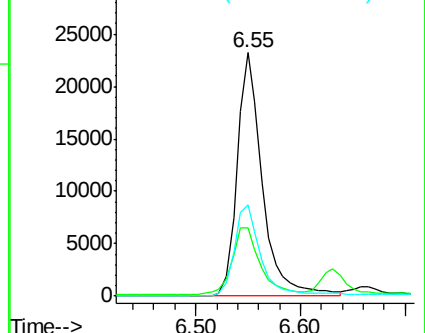
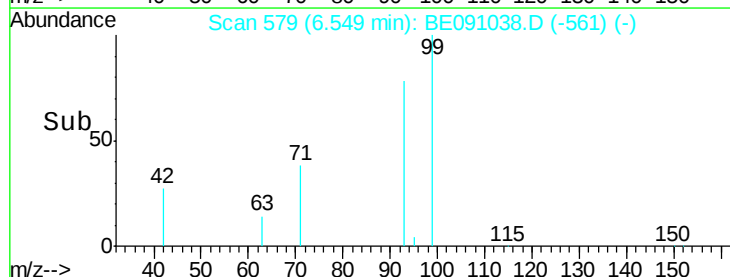
71 40.2 29.0 43.4

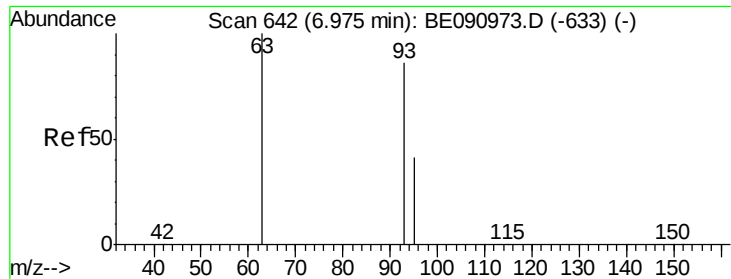


Abundance Ion 99.00 (98.70 to 99.70): BE091038.D (-561) (-)

Ion 42.00 (41.70 to 42.70): BE091038.D (-561) (-)

Ion 71.00 (70.70 to 71.70): BE091038.D (-561) (-)





#6

bis(2-Chloroethyl)ether

Concen: 9.52 ng

RT: 6.55 min Scan# 579

Delta R.T. -0.11 min

Lab File: BE091038.D

Acq: 23 Oct 2015 17:57

Instrument :

BNA_E

ClientSampleId :

PB86253BSD

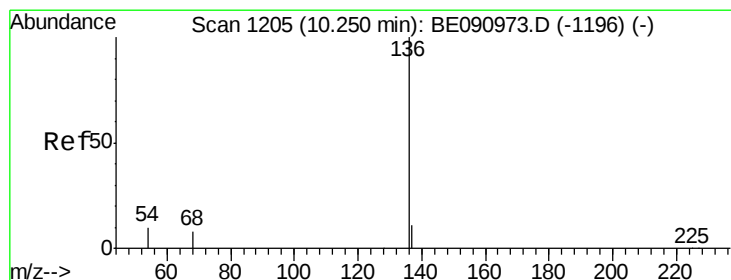
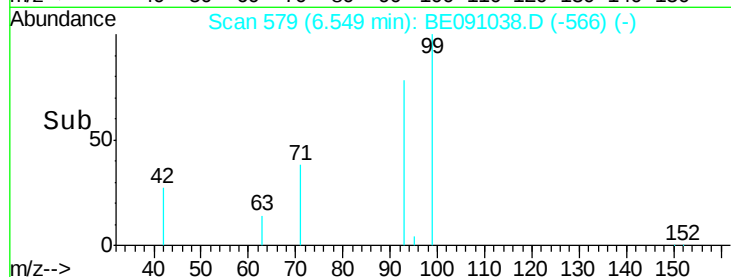
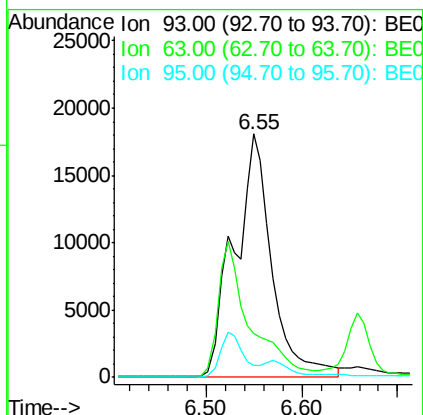
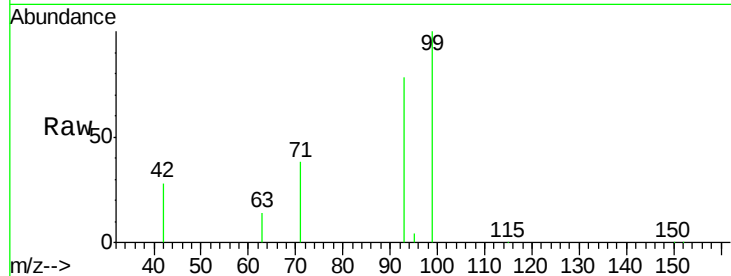
Tot Ion: 93 Resp: 49284

Ion Ratio Lower Upper

93 100

63 0.0 49.5 74.3#

95 0.0 22.2 33.4#



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 9.59 min Scan# 1155

Delta R.T. -0.05 min

Lab File: BE091038.D

Acq: 23 Oct 2015 17:57

Tgt Ion: 136 Resp: 89242

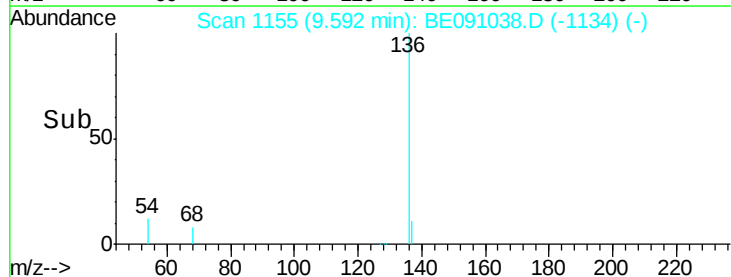
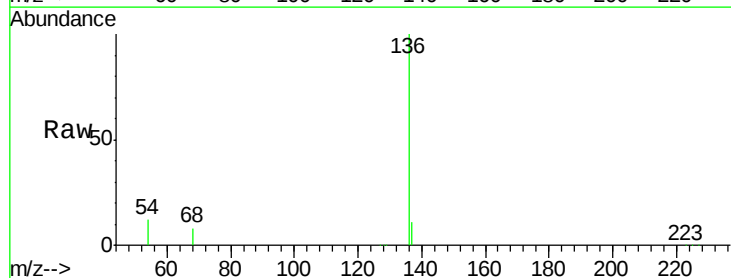
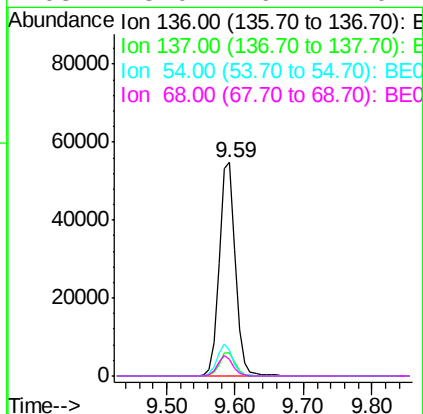
Ion Ratio Lower Upper

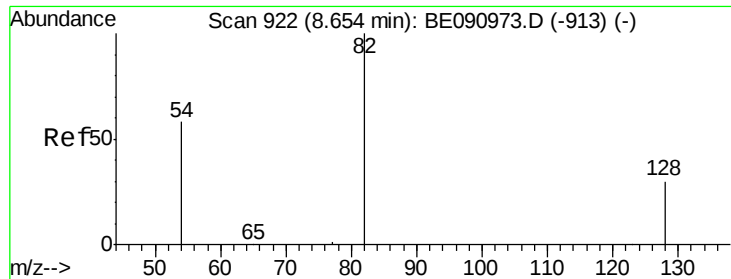
136 100

137 11.0 8.9 13.3

54 12.0 8.2 12.4

68 8.0 6.2 9.4





#8

Nitrobenzene-d5

Concen: 4.34 ng

RT: 8.17 min Scan# 863

Delta R.T. -0.06 min

Lab File: BE091038.D

Acq: 23 Oct 2015 17:57

Instrument :

BNA_E

ClientSampleId :

PB86253BSD

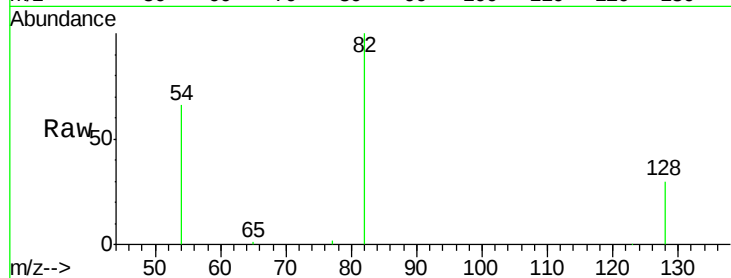
Tot Ion: 82 Resp: 25379

Ion Ratio Lower Upper

82 100

128 30.2 25.4 38.0

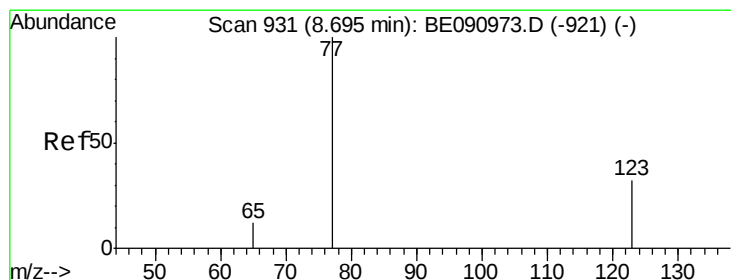
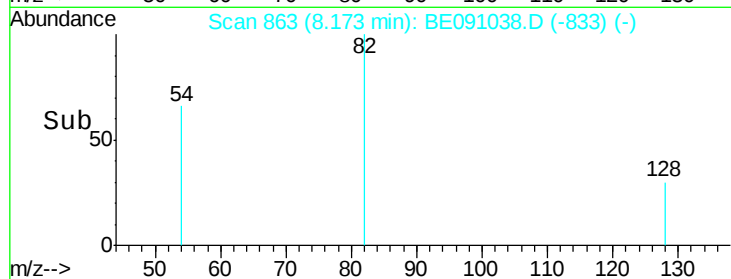
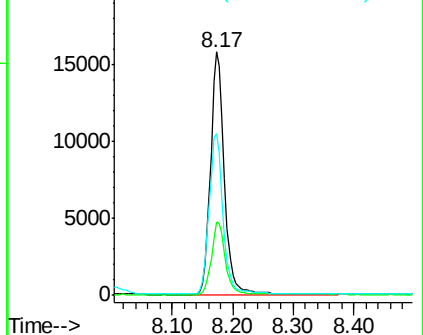
54 66.3 48.4 72.6



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Nitrobenzene

Concen: 4.08 ng

RT: 8.21 min Scan# 871

Delta R.T. -0.06 min

Lab File: BE091038.D

Acq: 23 Oct 2015 17:57

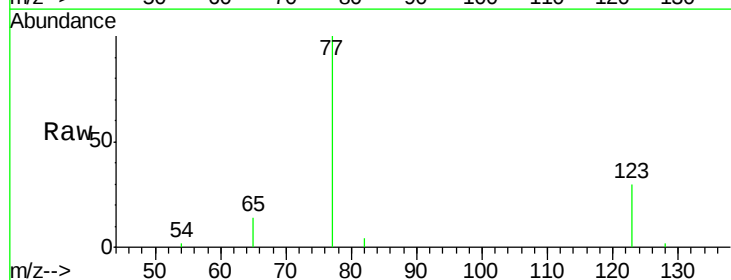
Tgt Ion: 77 Resp: 27079

Ion Ratio Lower Upper

77 100

123 30.8 26.9 40.3

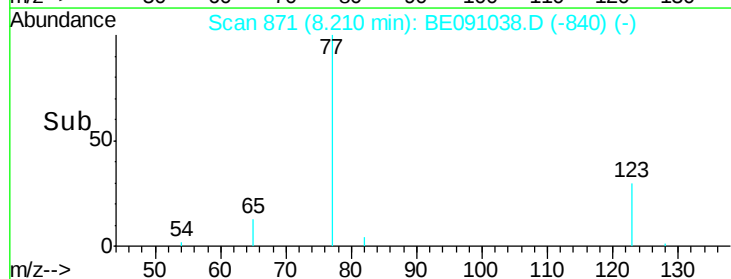
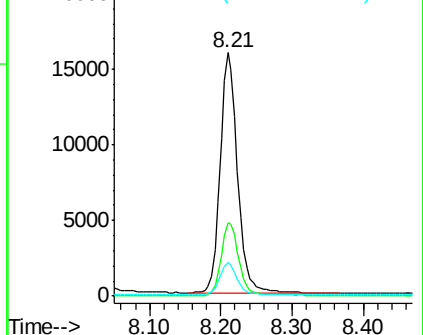
65 13.2 9.4 14.2

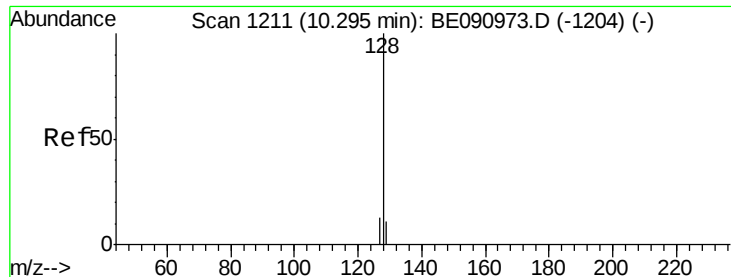


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#10

Naphthalene

Concen: 3.54 ng

RT: 9.63 min Scan# 1160

Delta R.T. -0.05 min

Lab File: BE091038.D

Acq: 23 Oct 2015 17:57

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ClientSampleId :

PB86253BSD

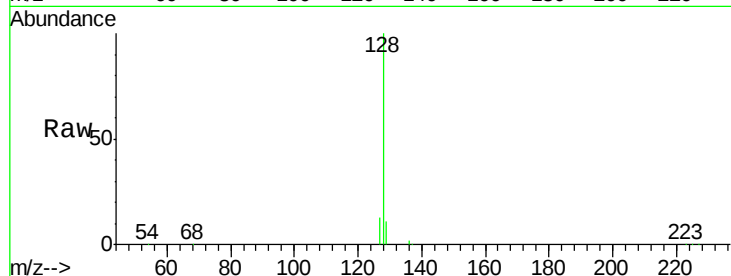
Tot Ion:128 Resp: 61108

Ion Ratio Lower Upper

128 100

129 11.2 9.3 13.9

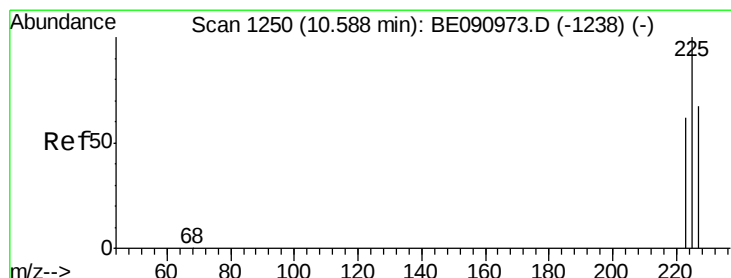
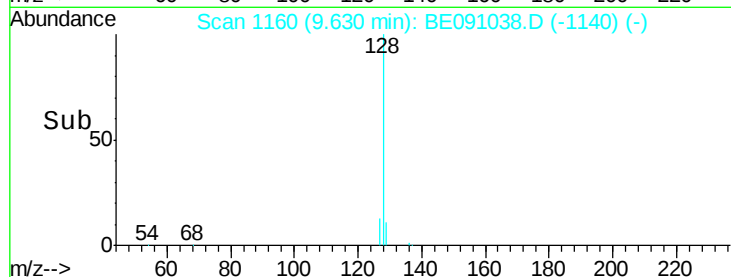
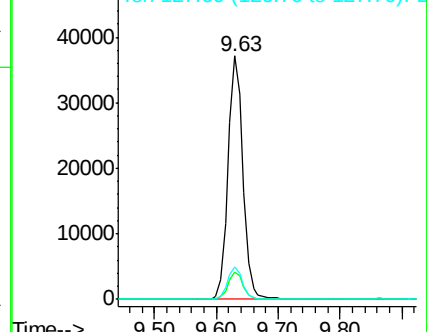
127 13.4 10.7 16.1



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: 3.00 ng

RT: 9.86 min Scan# 1191

Delta R.T. -0.05 min

Lab File: BE091038.D

Acq: 23 Oct 2015 17:57

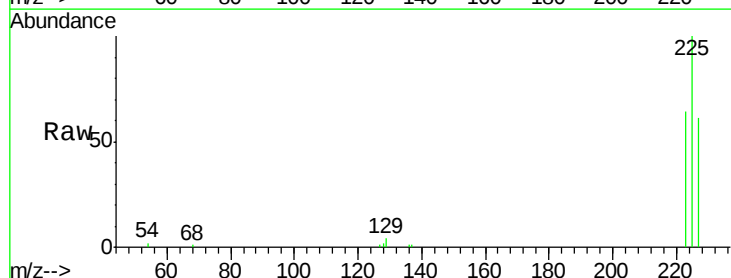
Tgt Ion:225 Resp: 8294

Ion Ratio Lower Upper

225 100

223 63.7 49.0 73.6

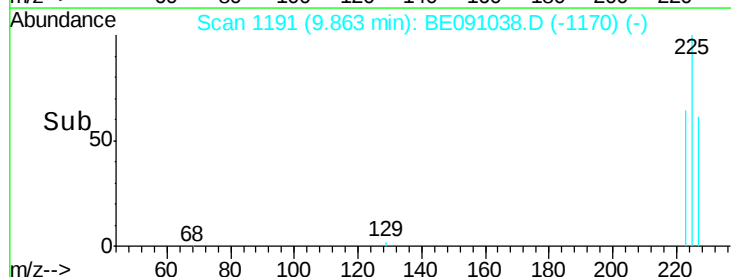
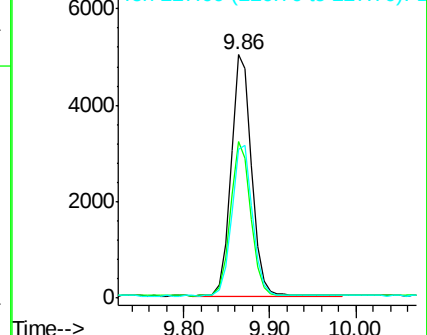
227 63.7 50.3 75.5

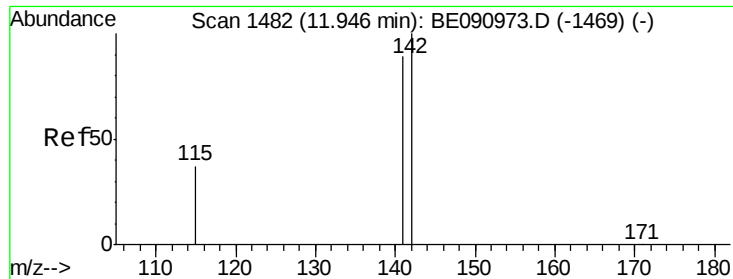


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

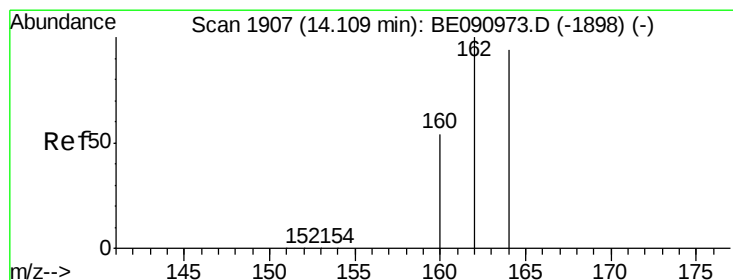
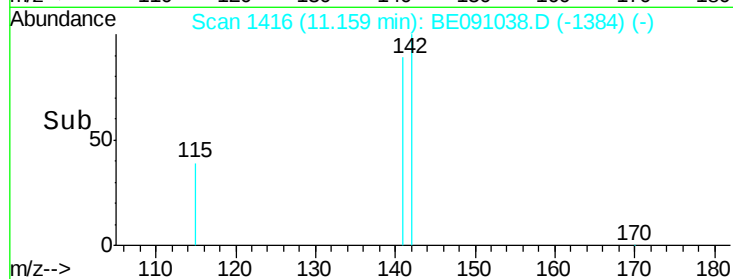
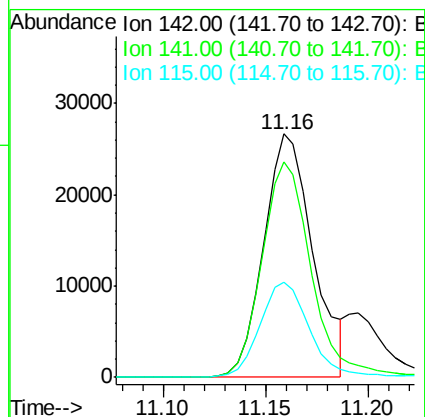
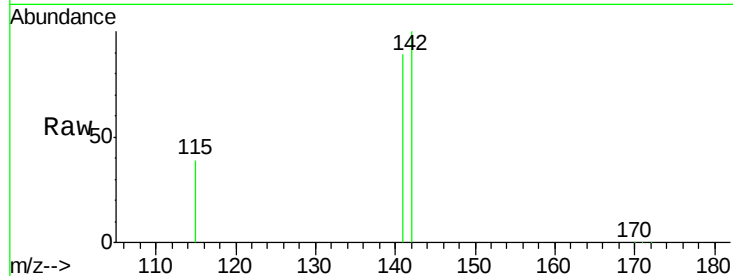




#12
2-Methylnaphthalene
Concen: 3.92 ng
RT: 11.16 min Scan# 1416
Delta R.T. -0.05 min
Lab File: BE091038.D
Acq: 23 Oct 2015 17:57

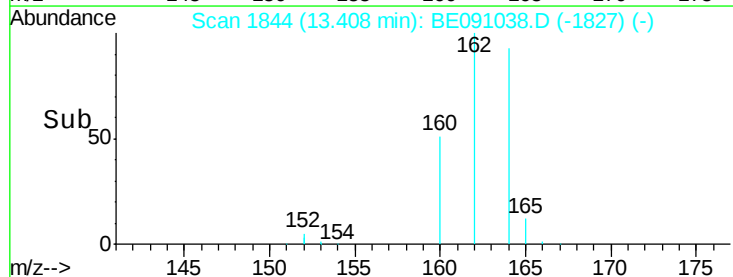
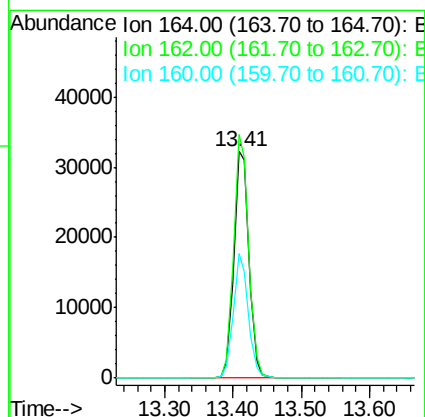
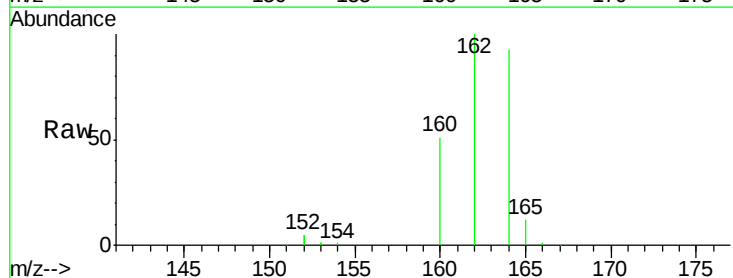
Instrument :
BNA_E
ClientSampleId :
PB86253BSD

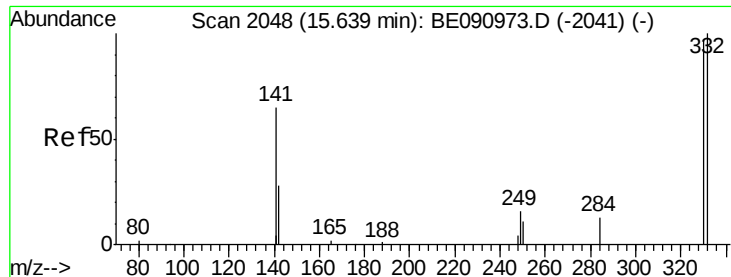
Tot Ion:142 Resp: 44354
Ion Ratio Lower Upper
142 100
141 88.6 71.4 107.0
115 39.0 30.3 45.5



#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 13.41 min Scan# 1844
Delta R.T. -0.05 min
Lab File: BE091038.D
Acq: 23 Oct 2015 17:57

Tgt Ion:164 Resp: 49414
Ion Ratio Lower Upper
164 100
162 107.5 85.3 127.9
160 54.8 46.2 69.2

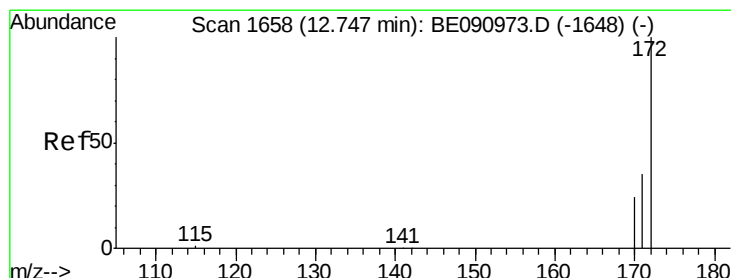
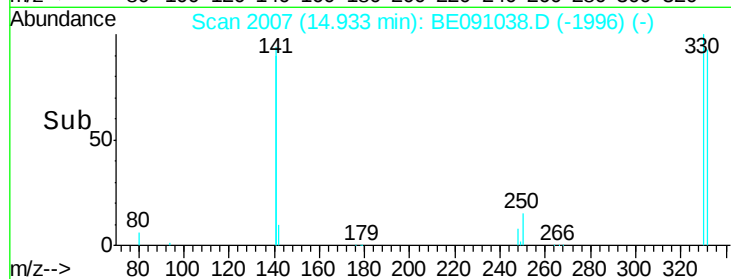
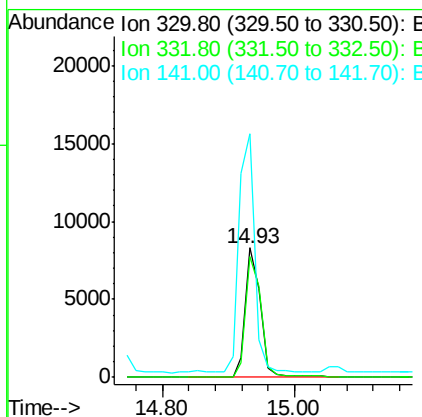
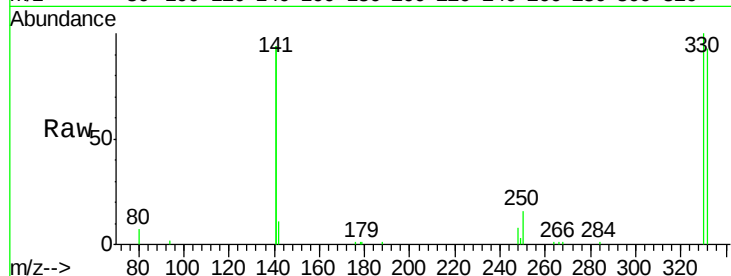




#14
 2,4,6-Tribromophenol
 Concen: 7.53 ng
 RT: 14.93 min Scan# 2007
 Delta R.T. -0.05 min
 Lab File: BE091038.D
 Acq: 23 Oct 2015 17:57

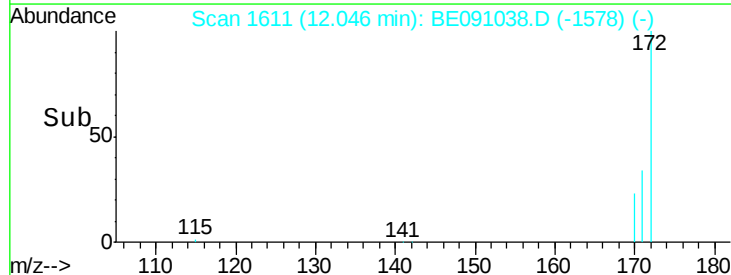
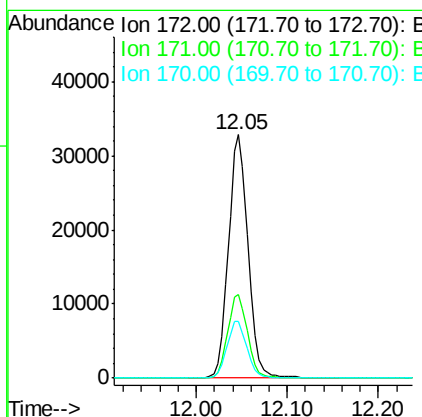
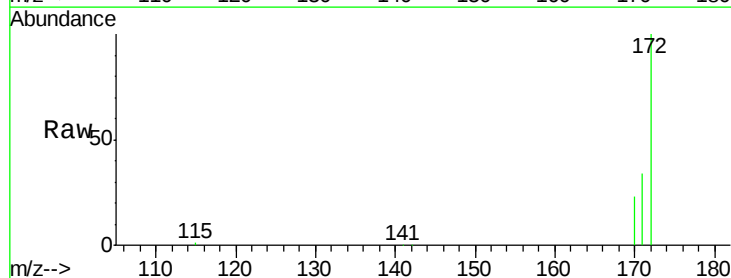
Instrument :
 BNA_E
 ClientSampleId :
 PB86253BSD

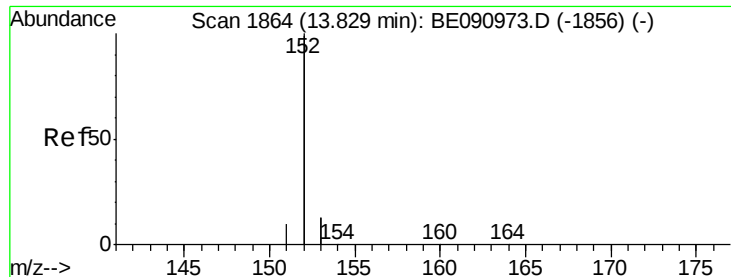
Tot Ion:330 Resp: 12873
 Ion Ratio Lower Upper
 330 100
 332 96.3 79.1 118.7
 141 197.0 125.4 188.0#



#15
 2-Fluorobiphenyl
 Concen: 3.62 ng
 RT: 12.05 min Scan# 1611
 Delta R.T. -0.05 min
 Lab File: BE091038.D
 Acq: 23 Oct 2015 17:57

Tgt Ion:172 Resp: 48435
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.8 43.2
 170 23.3 19.3 28.9





#16

Acenaphthylene

Concen: 3.63 ng

RT: 13.15 min Scan# 1815

Delta R.T. -0.05 min

Lab File: BE091038.D

Acq: 23 Oct 2015 17:57

Instrument :

BNA_E

ClientSampleId :

PB86253BSD

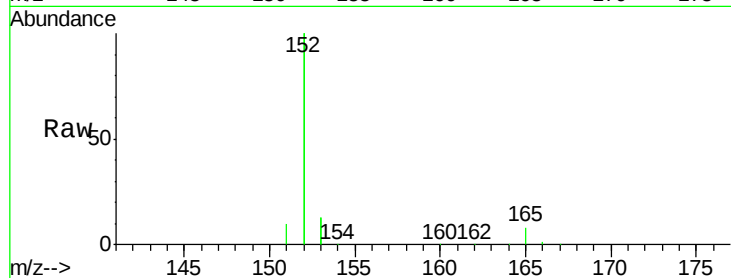
Tot Ion:152 Resp: 299662

Ion Ratio Lower Upper

152 100

151 4.8 3.9 5.9

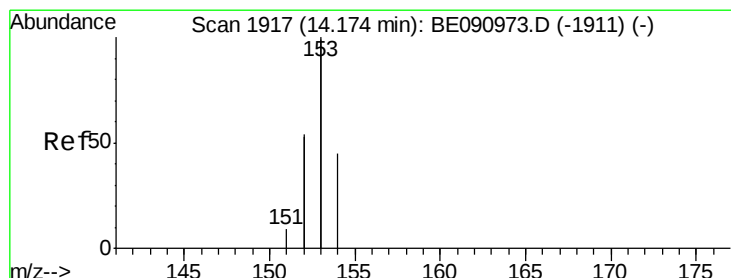
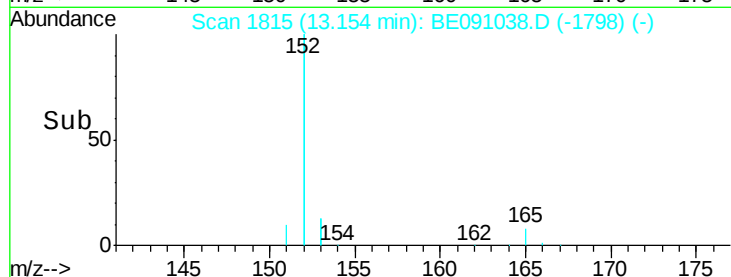
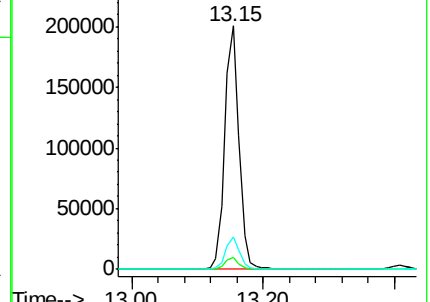
153 13.0 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#17

Acenaphthene

Concen: 3.46 ng

RT: 13.47 min Scan# 1851

Delta R.T. -0.05 min

Lab File: BE091038.D

Acq: 23 Oct 2015 17:57

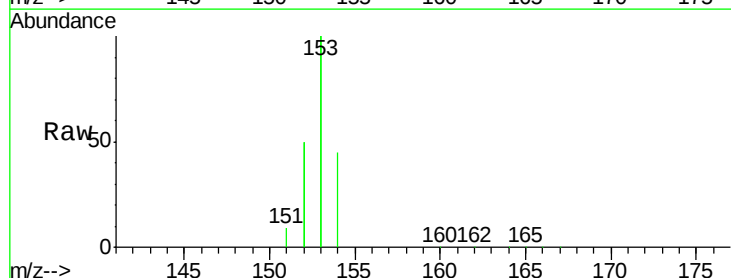
Tgt Ion:154 Resp: 45599

Ion Ratio Lower Upper

154 100

153 434.1 352.0 528.0

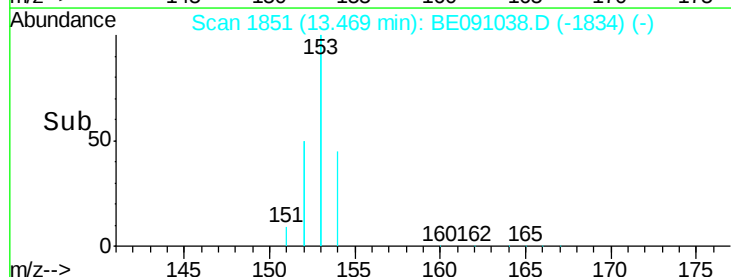
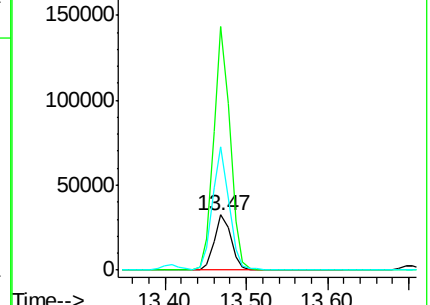
152 221.0 200.0 300.0

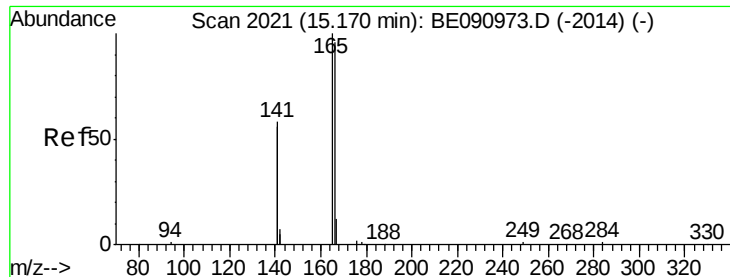


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 3.70 ng

RT: 14.46 min Scan# 1964

Delta R.T. -0.05 min

Lab File: BE091038.D

Acq: 23 Oct 2015 17:57

Instrument :

BNA_E

ClientSampleId :

PB86253BSD

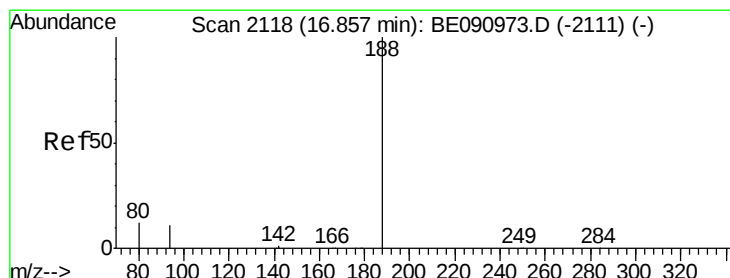
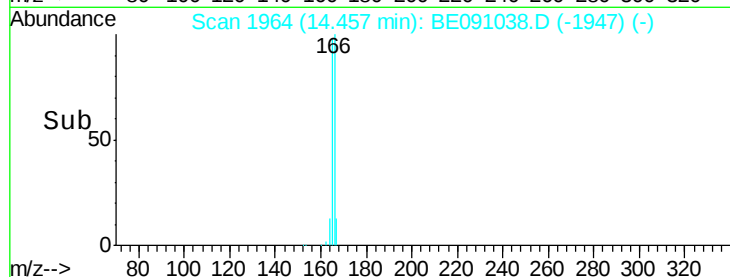
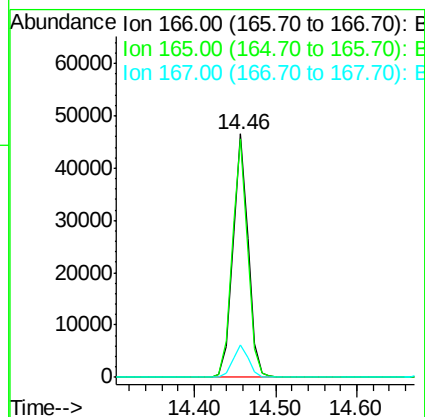
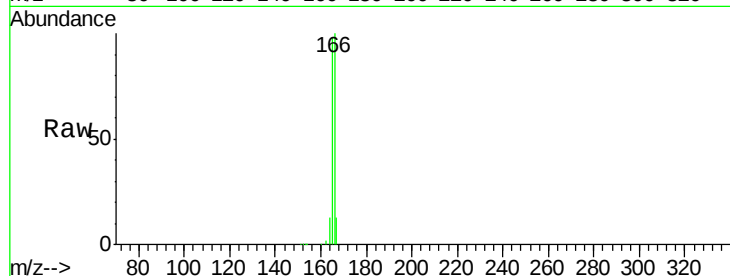
Tot Ion:166 Resp: 60347

Ion Ratio Lower Upper

166 100

165 98.6 80.8 121.2

167 13.4 10.9 16.3



#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.13 min Scan# 2097

Delta R.T. -0.05 min

Lab File: BE091038.D

Acq: 23 Oct 2015 17:57

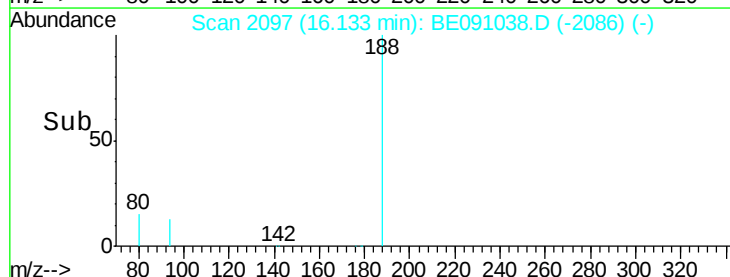
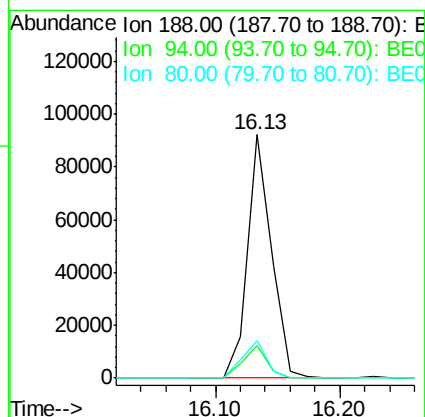
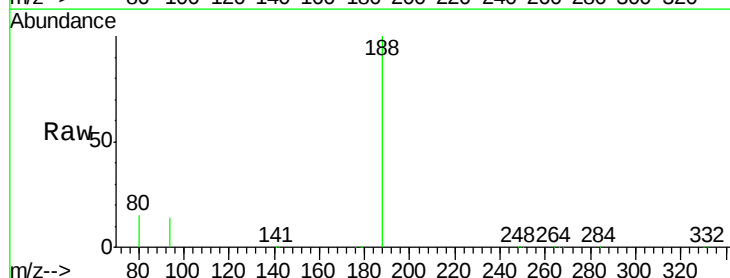
Tgt Ion:188 Resp: 123392

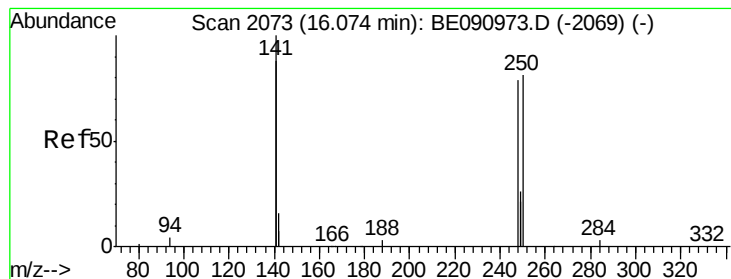
Ion Ratio Lower Upper

188 100

94 13.6 8.7 13.1#

80 15.3 9.4 14.0#





#20

4-Bromophenyl-phenylether

Concen: 3.30 ng

RT: 15.31 min Scan# 2035

Delta R.T. -0.05 min

Lab File: BE091038.D

Acq: 23 Oct 2015 17:57

Instrument :

BNA_E

ClientSampleId :

PB86253BSD

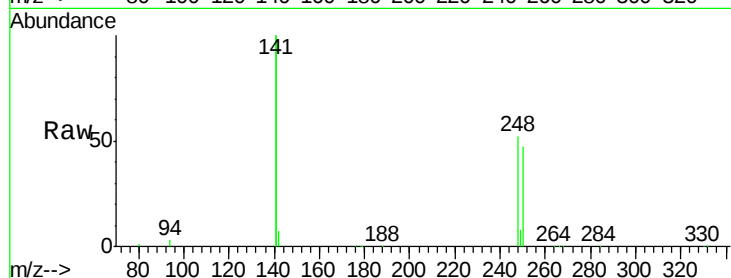
Tot Ion:248 Resp: 15393

Ion Ratio Lower Upper

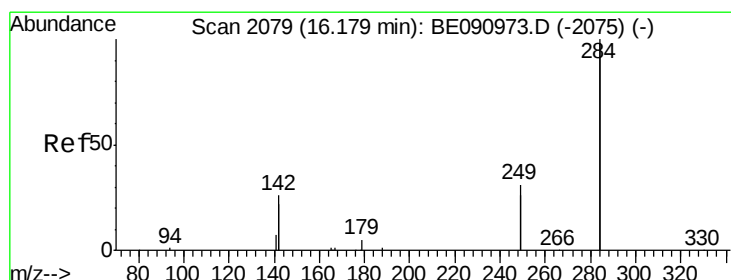
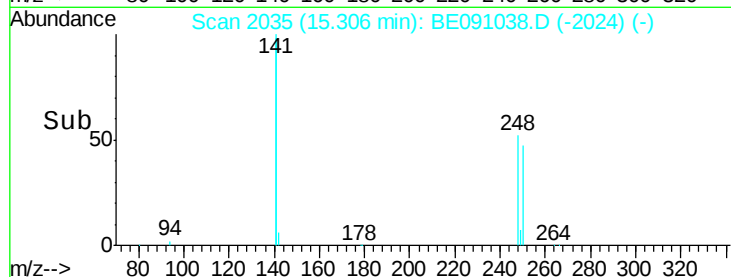
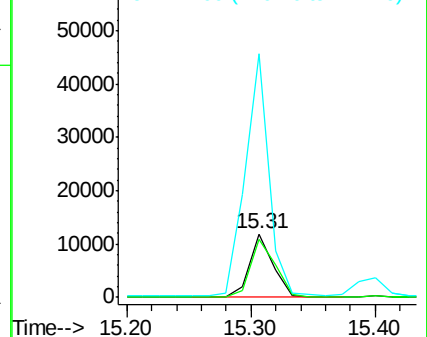
248 100

250 96.8 80.5 120.7

141 384.9 261.9 392.9



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E



#21

Hexachlorobenzene

Concen: 0.71 ng

RT: 15.40 min Scan# 2042

Delta R.T. -0.05 min

Lab File: BE091038.D

Acq: 23 Oct 2015 17:57

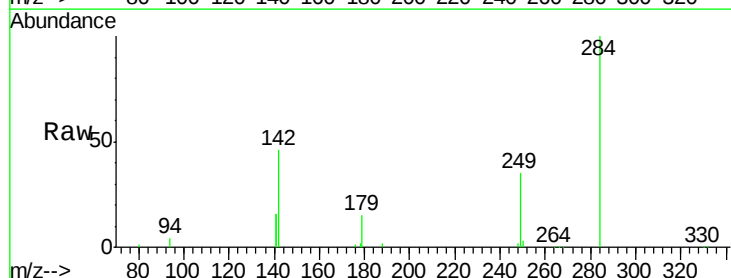
Tgt Ion:284 Resp: 16941

Ion Ratio Lower Upper

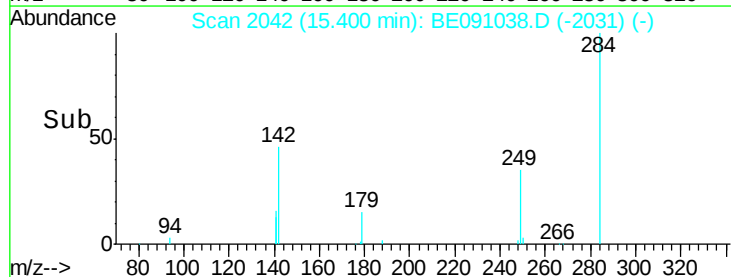
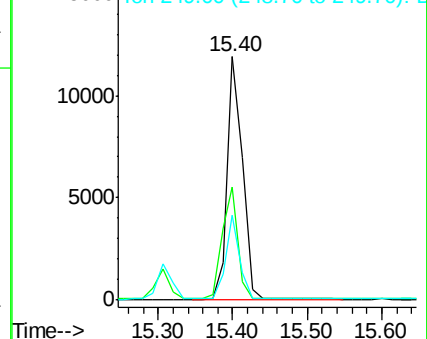
284 100

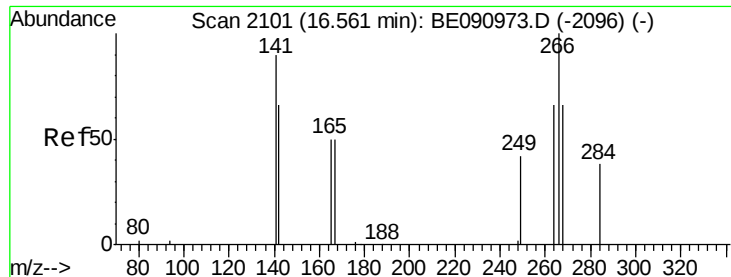
142 46.9 32.2 48.2

249 31.5 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: 6.78 ng

RT: 15.89 min Scan# 2079

Delta R.T. -0.04 min

Lab File: BE091038.D

Acq: 23 Oct 2015 17:57

Instrument :

BNA_E

ClientSampleId :

PB86253BSD

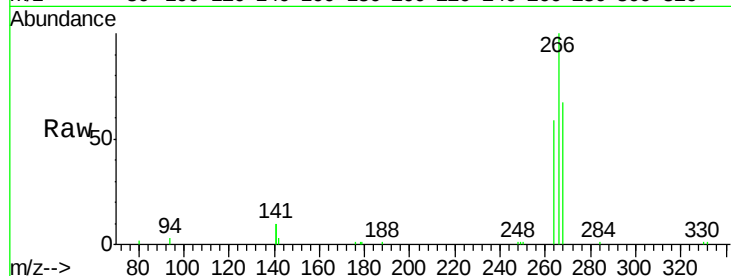
Tot Ion:266 Resp: 12941

Ion Ratio Lower Upper

266 100

268 67.4 58.2 87.2

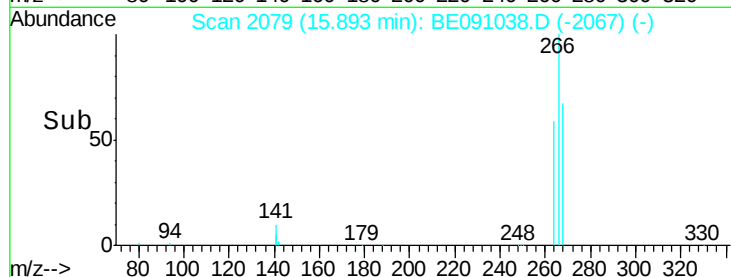
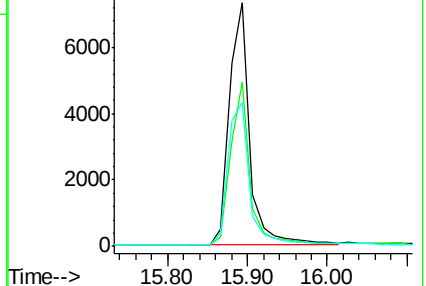
264 58.8 56.2 84.4



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: 3.80 ng

RT: 16.17 min Scan# 2100

Delta R.T. -0.05 min

Lab File: BE091038.D

Acq: 23 Oct 2015 17:57

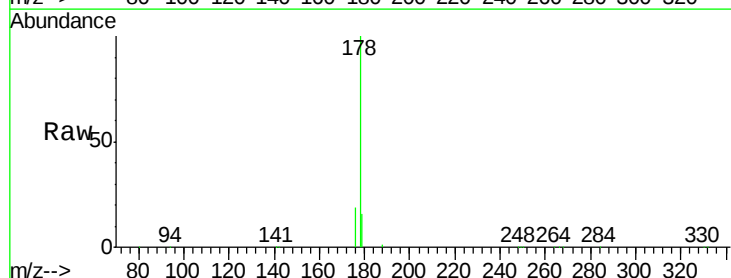
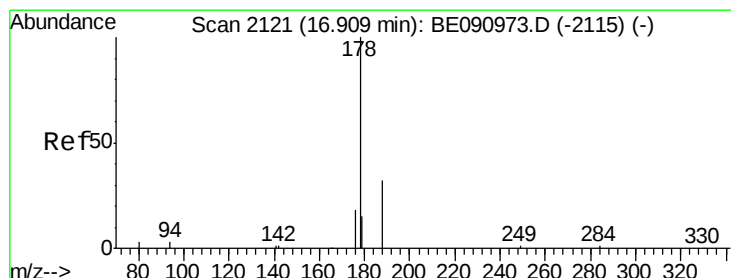
Tgt Ion:178 Resp: 107165

Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

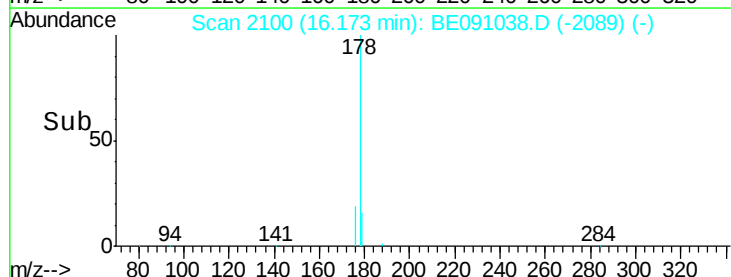
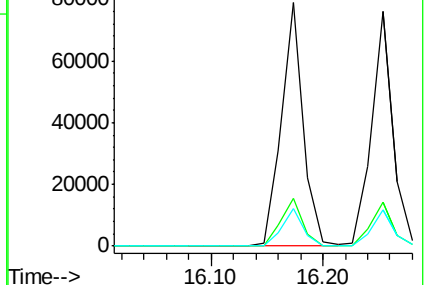
179 15.4 12.6 18.8

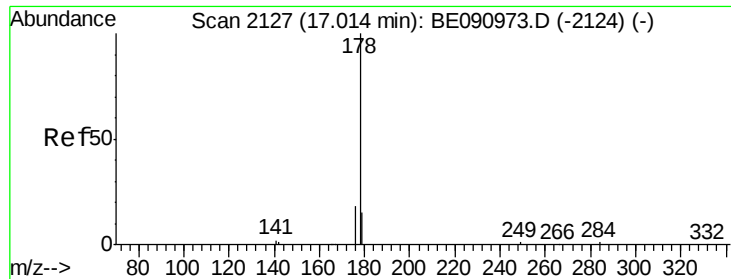


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

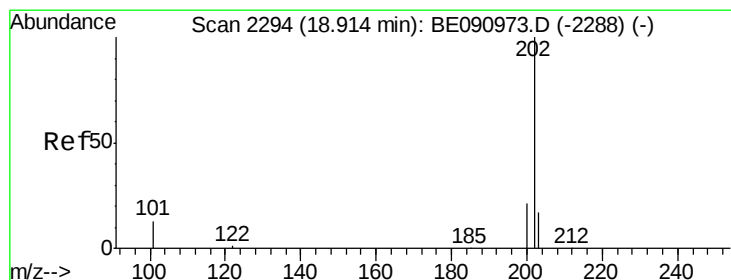
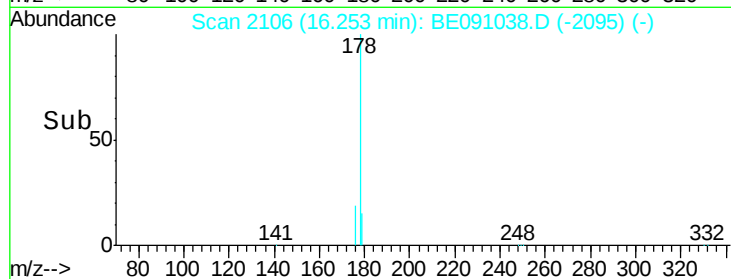
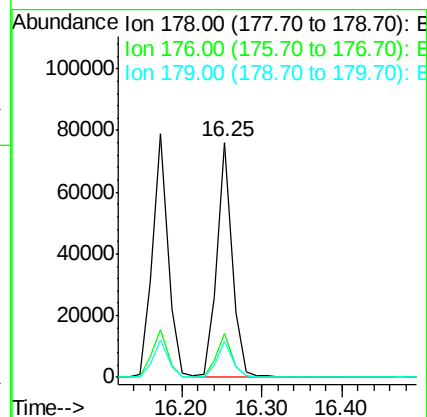
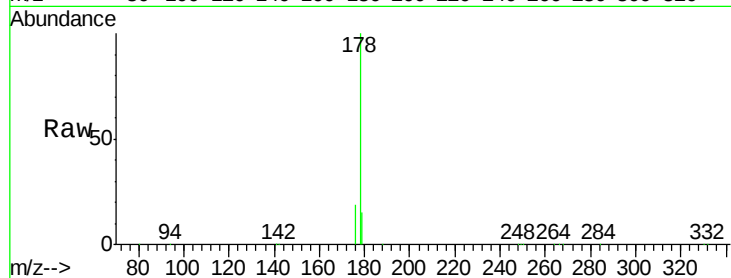




#24
 Anthracene
 Concen: 3.80 ng
 RT: 16.25 min Scan# 2106
 Delta R.T. -0.05 min
 Lab File: BE091038.D
 Acq: 23 Oct 2015 17:57

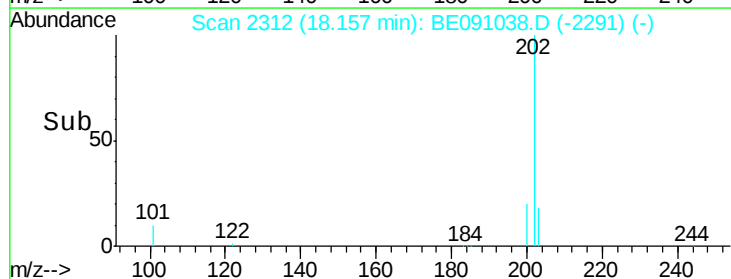
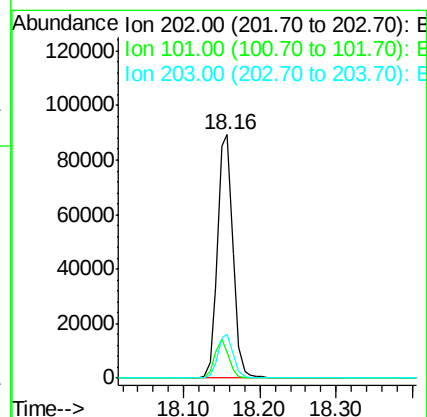
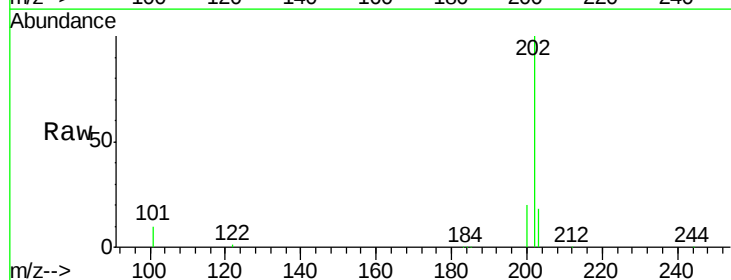
Instrument :
 BNA_E
 ClientSampleId :
 PB86253BSD

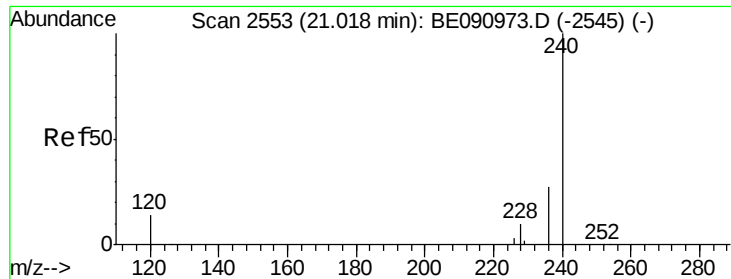
Tot Ion:178 Resp: 101868
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.6 21.8
 179 15.4 11.8 17.6



#25
 Fluoranthene
 Concen: 3.88 ng
 RT: 18.16 min Scan# 2312
 Delta R.T. -0.04 min
 Lab File: BE091038.D
 Acq: 23 Oct 2015 17:57

Tgt Ion:202 Resp: 124461
 Ion Ratio Lower Upper
 202 100
 101 14.4 11.0 16.6
 203 17.4 13.9 20.9

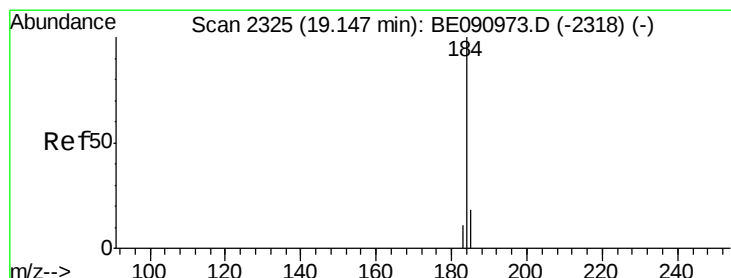
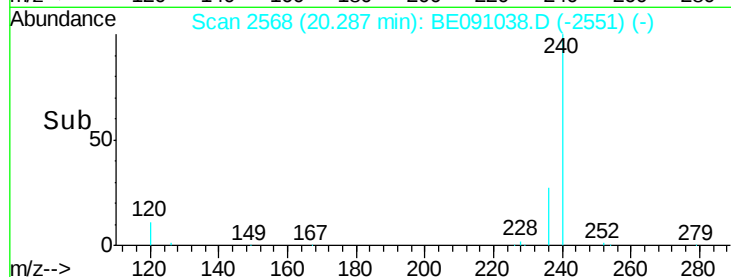
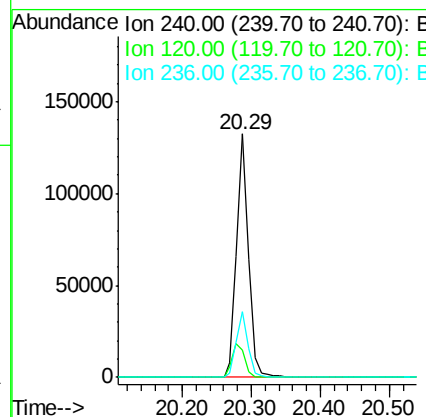
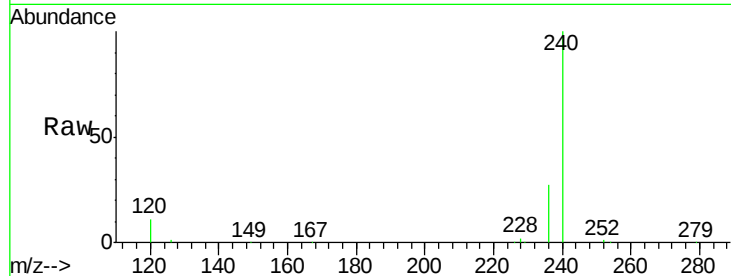




#26
 Chrysene-d12
 Concen: 5.00 ng
 RT: 20.29 min Scan# 2568
 Delta R.T. -0.05 min
 Lab File: BE091038.D
 Acq: 23 Oct 2015 17:57

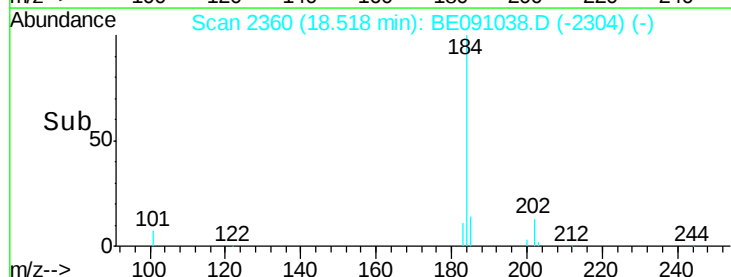
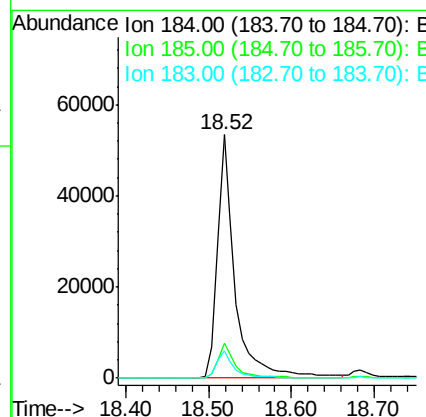
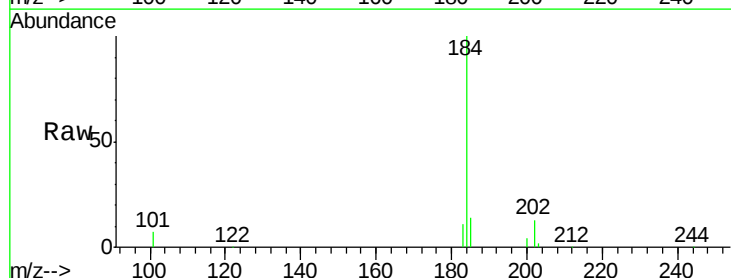
Instrument :
 BNA_E
 ClientSampleId :
 PB86253BSD

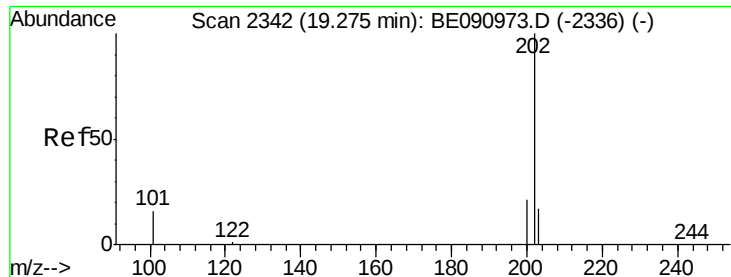
Tot Ion:240 Resp: 156052
 Ion Ratio Lower Upper
 240 100
 120 11.2 11.0 16.4
 236 27.2 21.7 32.5



#27
 Benzidine
 Concen: 10.16 ng
 RT: 18.52 min Scan# 2360
 Delta R.T. -0.08 min
 Lab File: BE091038.D
 Acq: 23 Oct 2015 17:57

Tgt Ion:184 Resp: 80258
 Ion Ratio Lower Upper
 184 100
 185 14.3 22.3 33.5#
 183 11.2 16.4 24.6#

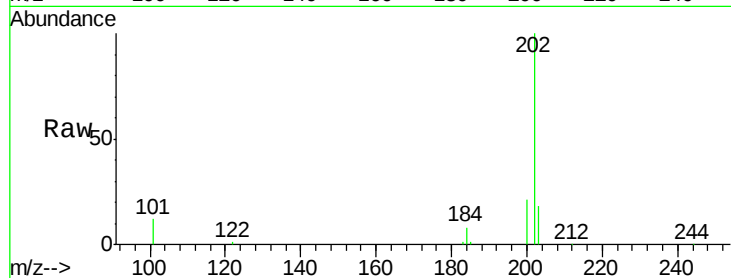




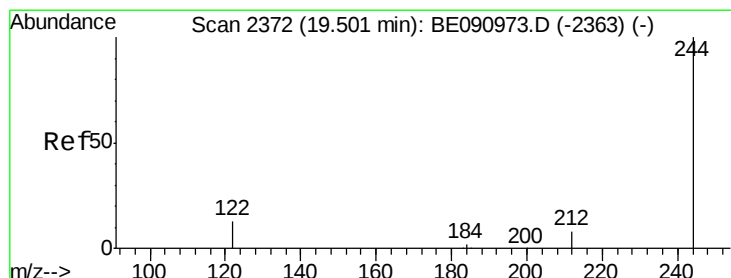
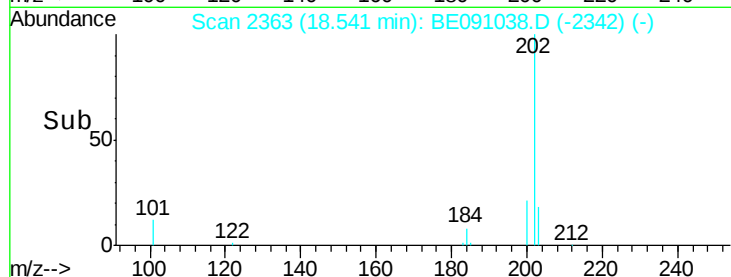
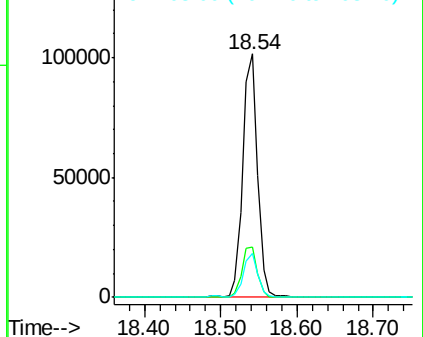
#28
Pvrene
Concen: 3.83 ng
RT: 18.54 min Scan# 2363
Delta R.T. -0.04 min
Lab File: BE091038.D
Acq: 23 Oct 2015 17:57

Instrument :
BNA_E
ClientSampleId :
PB86253BSD

Tot Ion:202 Resp: 137308
Ion Ratio Lower Upper
202 100
200 21.4 16.8 25.2
203 17.2 14.0 21.0

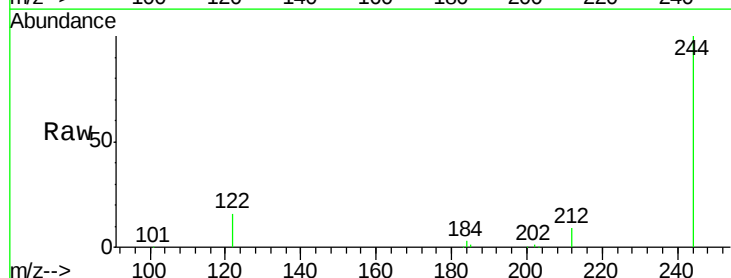


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

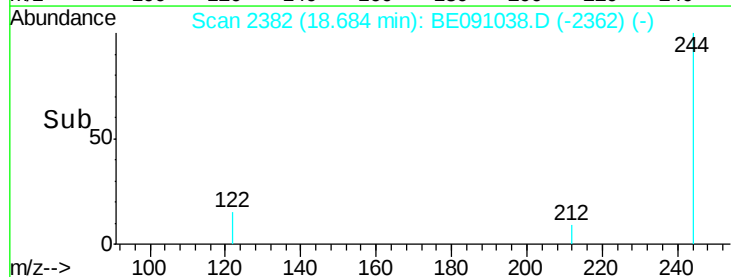
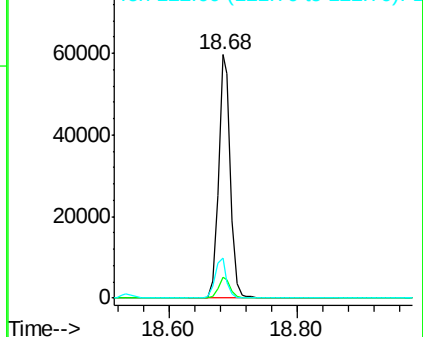


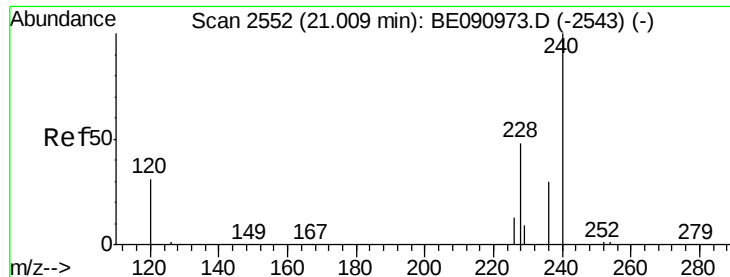
#29
Terphenyl-d14
Concen: 3.98 ng
RT: 18.68 min Scan# 2382
Delta R.T. -0.05 min
Lab File: BE091038.D
Acq: 23 Oct 2015 17:57

Tgt Ion:244 Resp: 76507
Ion Ratio Lower Upper
244 100
212 8.7 6.9 10.3
122 16.5 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

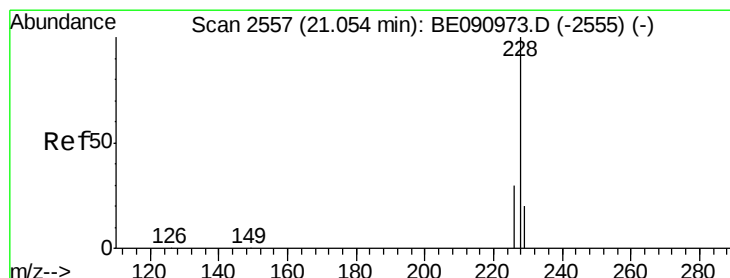
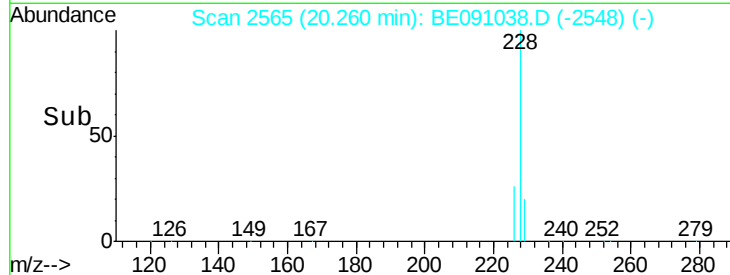
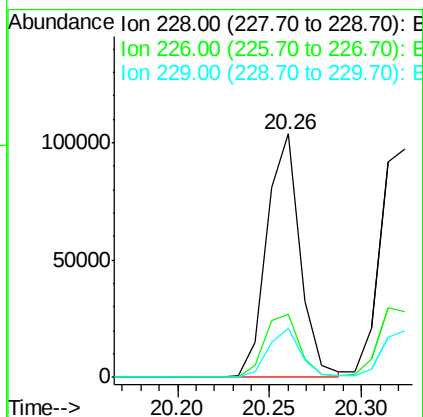
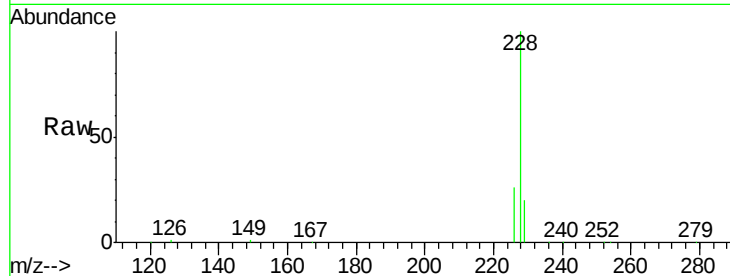




#30
Benzo(a)anthracene
Concen: 3.74 ng
RT: 20.26 min Scan# 2565
Delta R.T. -0.05 min
Lab File: BE091038.D
Acq: 23 Oct 2015 17:57

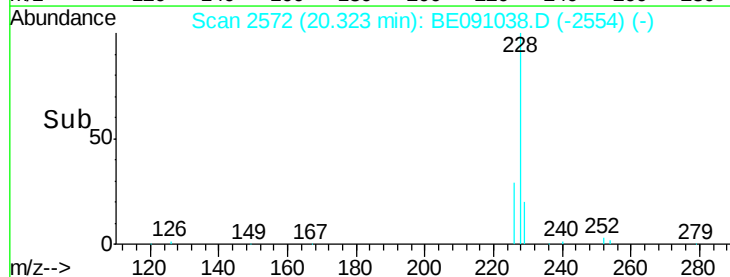
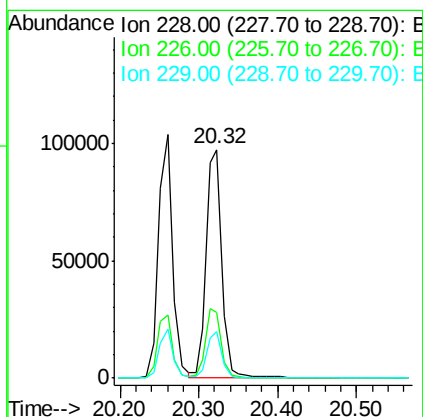
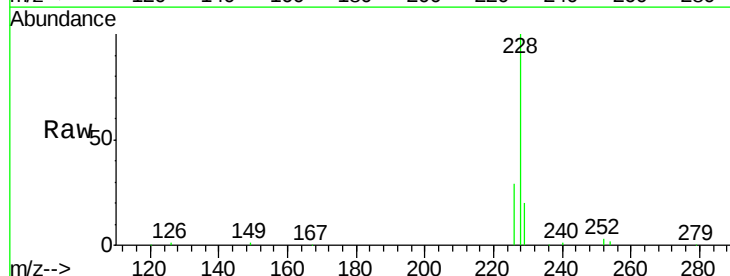
Instrument :
BNA_E
ClientSampleId :
PB86253BSD

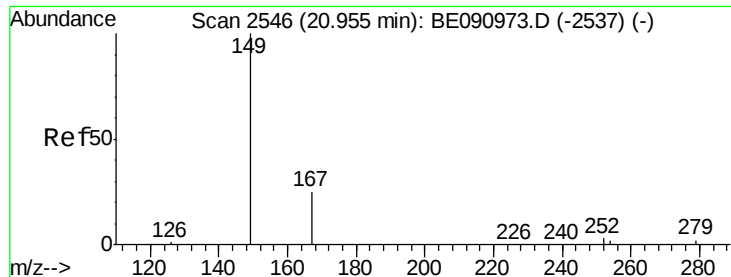
Tot Ion:228 Resp: 129739
Ion Ratio Lower Upper
228 100
226 26.2 21.0 31.4
229 20.3 15.7 23.5



#32
Chrysene
Concen: 3.63 ng
RT: 20.32 min Scan# 2572
Delta R.T. -0.04 min
Lab File: BE091038.D
Acq: 23 Oct 2015 17:57

Tgt Ion:228 Resp: 133556
Ion Ratio Lower Upper
228 100
226 28.8 24.0 36.0
229 20.4 15.9 23.9





#33

Bis(2-ethylhexyl)phthalate

Concen: 4.03 ng

RT: 19.97 min Scan# 2533

Delta R.T. -0.05 min

Lab File: BE091038.D

Acq: 23 Oct 2015 17:57

Instrument :

BNA_E

ClientSampleId :

PB86253BSD

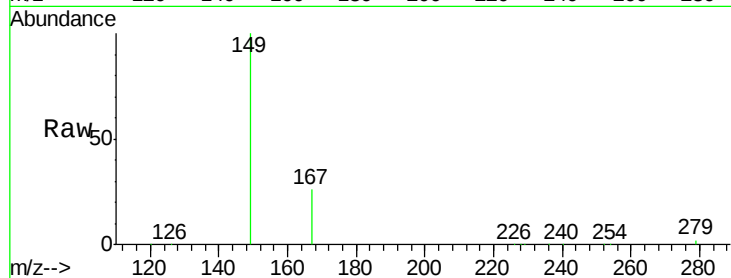
Tot Ion:149 Resp: 58932

Ion Ratio Lower Upper

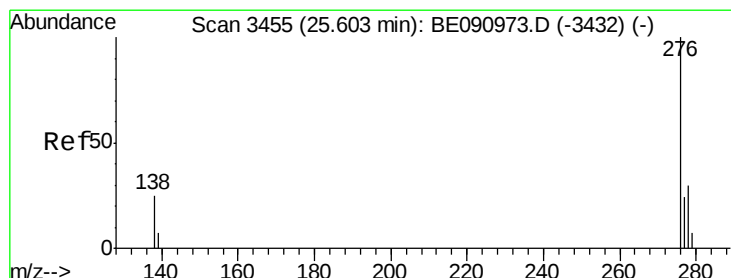
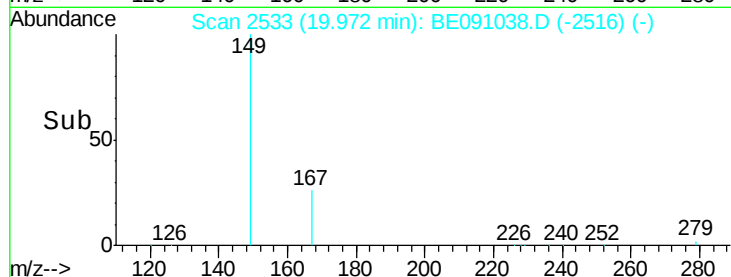
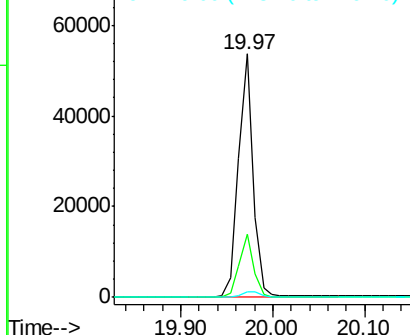
149 100

167 25.0 19.5 29.3

279 2.8 2.3 3.5



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: 3.54 ng

RT: 23.83 min Scan# 3261

Delta R.T. -0.09 min

Lab File: BE091038.D

Acq: 23 Oct 2015 17:57

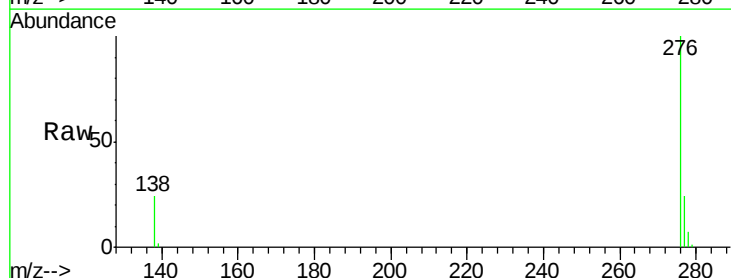
Tgt Ion:276 Resp: 137114

Ion Ratio Lower Upper

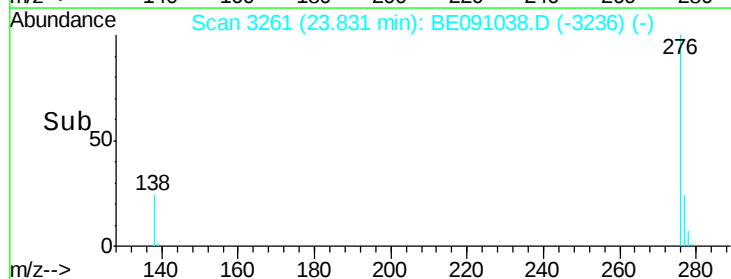
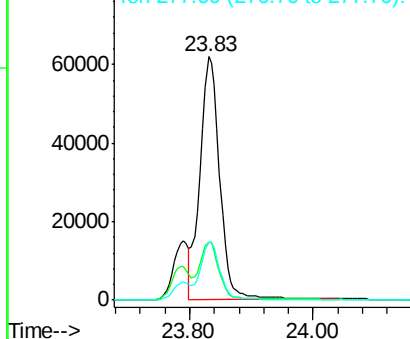
276 100

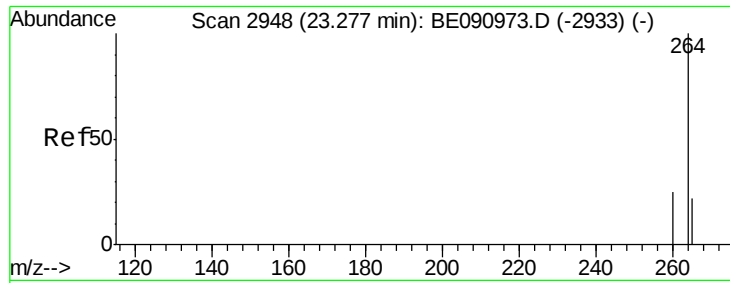
138 23.3 23.4 35.2#

277 23.3 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

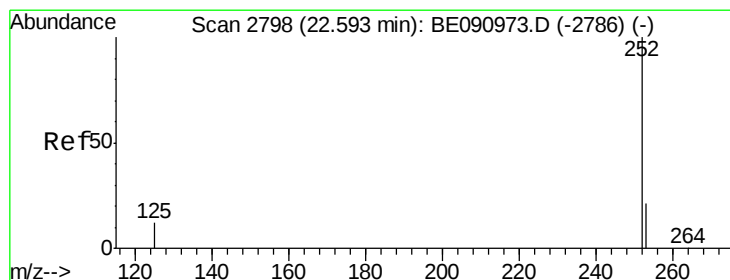
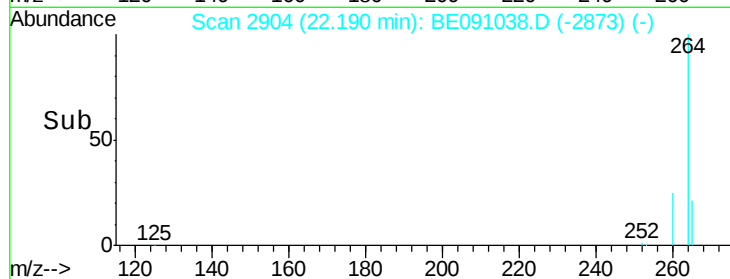
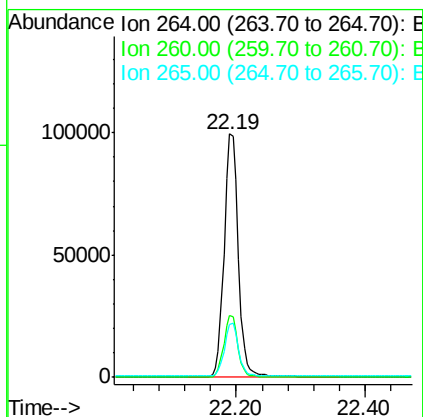
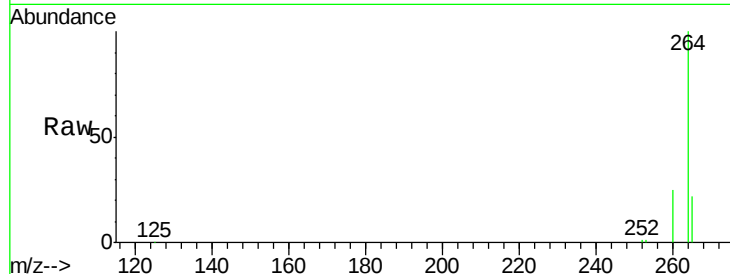




#35
 Pervlene-d12
 Concen: 5.00 ng
 RT: 22.19 min Scan# 2904
 Delta R.T. -0.06 min
 Lab File: BE091038.D
 Acq: 23 Oct 2015 17:57

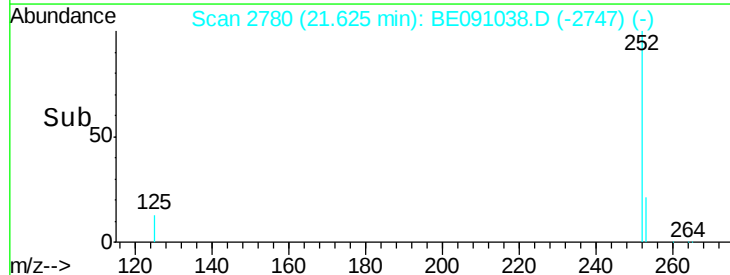
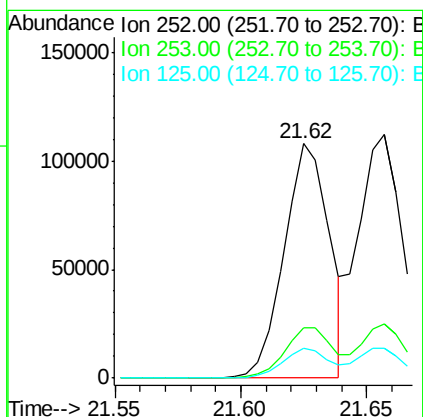
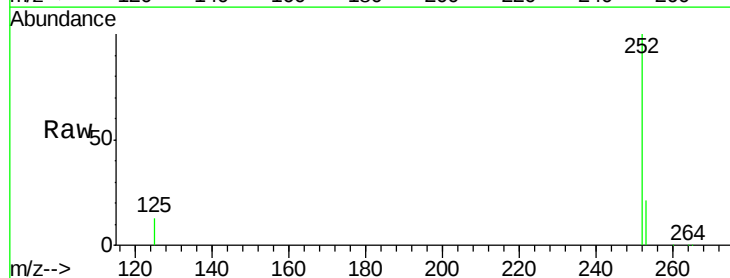
Instrument :
 BNA_E
 ClientSampleId :
 PB86253BSD

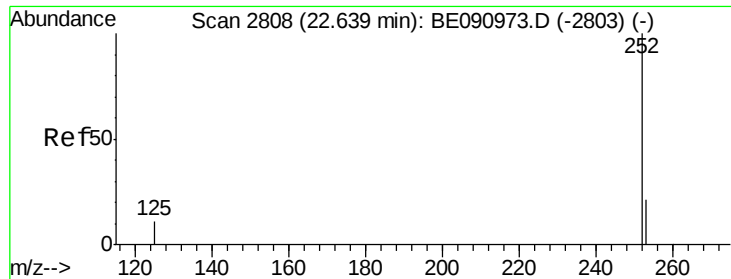
Tot Ion:264 Resp: 153794
 Ion Ratio Lower Upper
 264 100
 260 25.3 20.0 30.0
 265 21.6 17.5 26.3



#36
 Benzo(b)fluoranthene
 Concen: 3.93 ng
 RT: 21.62 min Scan# 2780
 Delta R.T. -0.05 min
 Lab File: BE091038.D
 Acq: 23 Oct 2015 17:57

Tgt Ion:252 Resp: 133339
 Ion Ratio Lower Upper
 252 100
 253 21.3 17.4 26.0
 125 13.0 10.2 15.2





#37

Benzo(k)fluoranthene

Concen: 3.48 ng

RT: 21.66 min Scan# 2787

Delta R.T. -0.05 min

Lab File: BE091038.D

Acq: 23 Oct 2015 17:57

Instrument :

BNA_E

ClientSampleId :

PB86253BSD

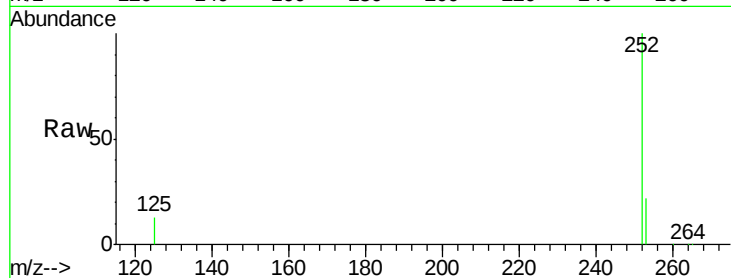
Tot Ion:252 Resp: 143554

Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

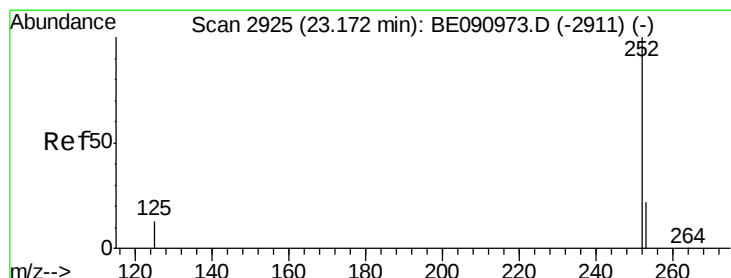
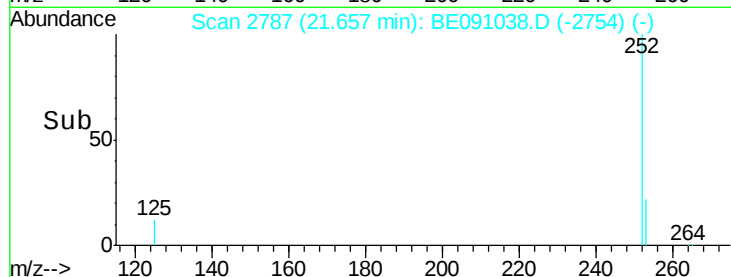
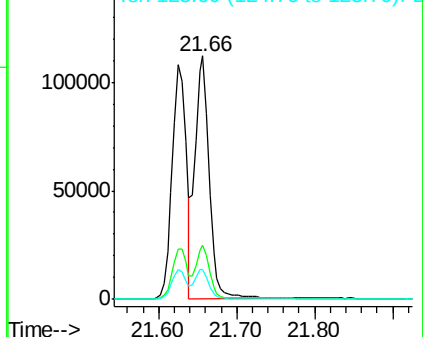
125 12.5 9.9 14.9



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: 4.15 ng

RT: 22.09 min Scan# 2883

Delta R.T. -0.05 min

Lab File: BE091038.D

Acq: 23 Oct 2015 17:57

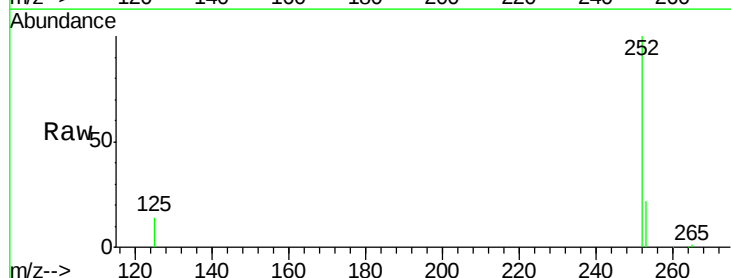
Tgt Ion:252 Resp: 130359

Ion Ratio Lower Upper

252 100

253 22.3 18.1 27.1

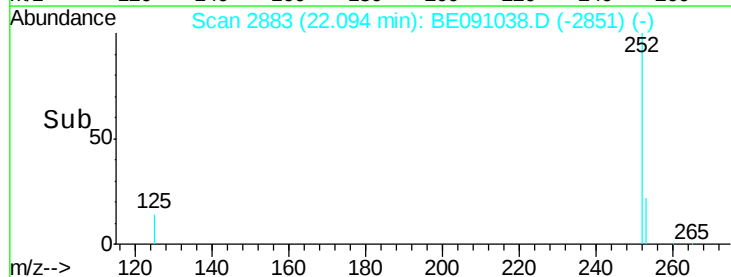
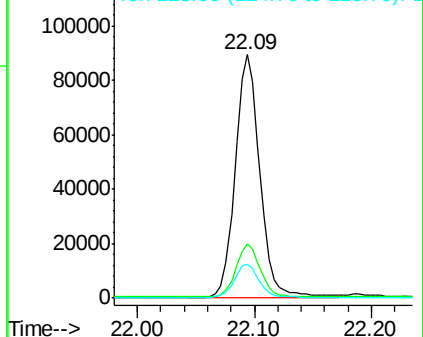
125 14.0 11.0 16.4

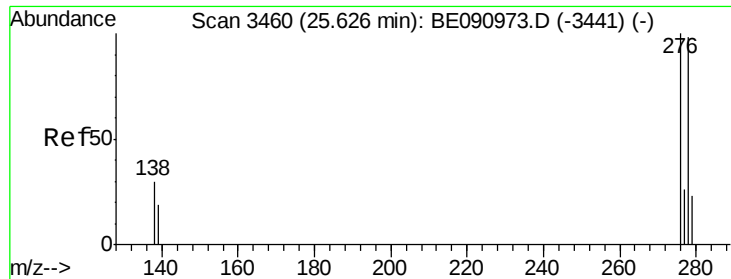


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 4.29 ng

RT: 23.79 min Scan# 3252

Delta R.T. -0.08 min

Lab File: BE091038.D

Acq: 23 Oct 2015 17:57

Instrument :

BNA_E

ClientSampleId :

PB86253BSD

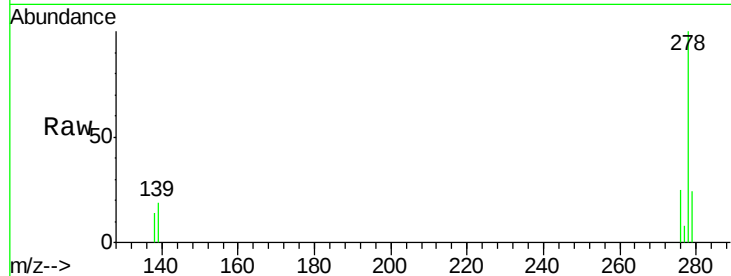
Tot Ion:278 Resp: 133263

Ion Ratio Lower Upper

278 100

139 19.2 16.0 24.0

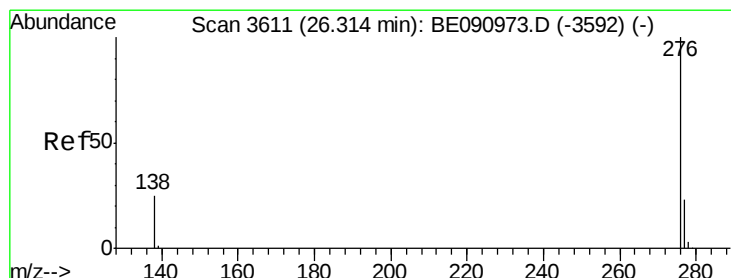
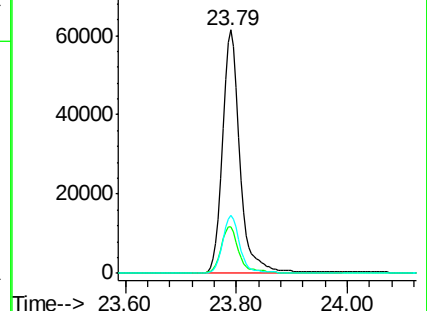
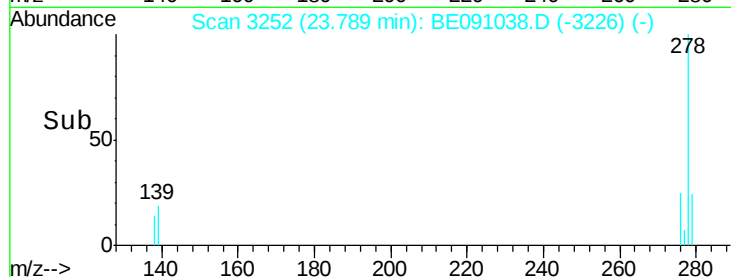
279 23.8 19.4 29.2



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: 4.18 ng

RT: 24.40 min Scan# 3386

Delta R.T. -0.09 min

Lab File: BE091038.D

Acq: 23 Oct 2015 17:57

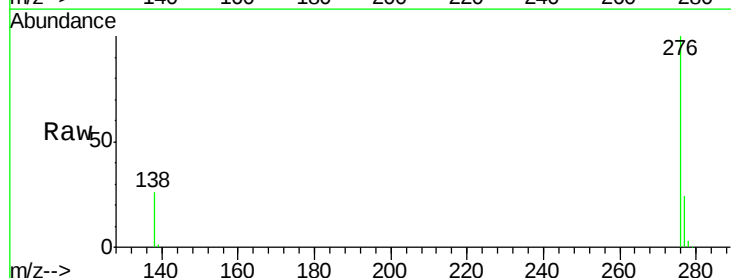
Tgt Ion:276 Resp: 140785

Ion Ratio Lower Upper

276 100

277 23.9 18.6 28.0

138 25.9 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

