

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102315\
 Data File : BE091037.D
 Acq On : 23 Oct 2015 17:21
 Operator : UM/NP
 Sample : PB86253BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB86253BS

Quant Time: Oct 23 23:45:32 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	6.91	152	18830	5.00	ng	-0.05
7) Naphthalene-d8	9.59	136	88042	5.00	ng	-0.05
13) Acenaphthene-d10	13.41	164	49256	5.00	ng	-0.05
19) Phenanthrene-d10	16.13	188	123468	5.00	ng	-0.05
26) Chrysene-d12	20.29	240	154386	5.00	ng	-0.05
35) Perylene-d12	22.19	264	153005	5.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	4.93	112	30896	8.09	ng	-0.07
5) Phenol-d6	6.54	99	40929	8.49	ng	-0.08
8) Nitrobenzene-d5	8.17	82	26697	4.61	ng	-0.07
14) 2,4,6-Tribromophenol	14.93	330	13254	7.77	ng	-0.05
15) 2-Fluorobiphenyl	12.05	172	50423	3.78	ng	-0.05
29) Terphenyl-d14	18.69	244	78660	4.14	ng	-0.05

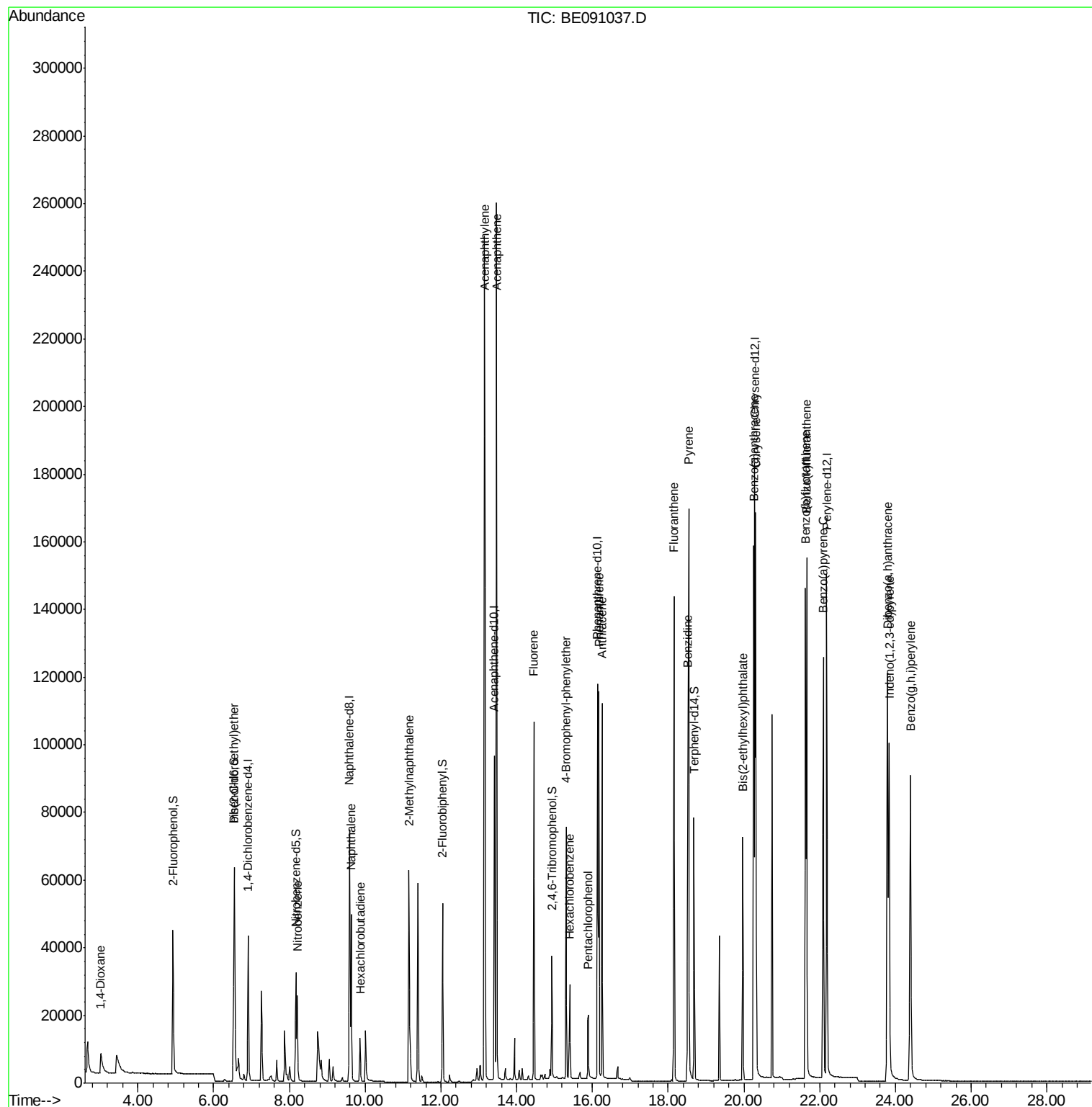
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.03	88	8712	3.53	ng	# 80
3) n-Nitrosodimethylamine	3.85	42	83	Below	Cal	# 1
6) bis(2-Chloroethyl)ether	6.54	93	52651	10.21	ng	# 28
9) Nitrobenzene	8.21	77	28075	4.28	ng	96
10) Naphthalene	9.63	128	64502	3.80	ng	98
11) Hexachlorobutadiene	9.86	225	8869	3.27	ng	99
12) 2-Methylnaphthalene	11.16	142	46329	4.15	ng	99
16) Acenaphthylene	13.15	152	306279	3.72	ng	100
17) Acenaphthene	13.47	154	46736	3.56	ng	93
18) Fluorene	14.46	166	62346	3.84	ng	98
20) 4-Bromophenyl-phenylether	15.31	248	15760	3.38	ng	77
21) Hexachlorobenzene	15.40	284	16813	0.70	ng	# 92
22) Pentachlorophenol	15.89	266	13563	7.02	ng	90
23) Phenanthrene	16.17	178	108745	3.86	ng	99
24) Anthracene	16.25	178	106232	3.96	ng	99
25) Fluoranthene	18.16	202	126866	3.95	ng	99
27) Benzidine	18.52	184	81825	10.33	ng	# 76
28) Pyrene	18.54	202	139989	3.95	ng	99
30) Benzo(a)anthracene	20.26	228	133759	3.89	ng	99
32) Chrysene	20.32	228	132728	3.65	ng	98
33) Bis(2-ethylhexyl)phthalate	19.97	149	61064	4.18	ng	99
34) Indeno(1,2,3-cd)pyrene	23.83	276	139068	3.63	ng	# 92
36) Benzo(b)fluoranthene	21.62	252	146586	4.35	ng	99
37) Benzo(k)fluoranthene	21.66	252	133825	3.26	ng	99
38) Benzo(a)pyrene	22.09	252	131827	4.22	ng	99
39) Dibenzo(a,h)anthracene	23.79	278	135192	4.38	ng	99
40) Benzo(g,h,i)perylene	24.40	276	142044	4.23	ng	99

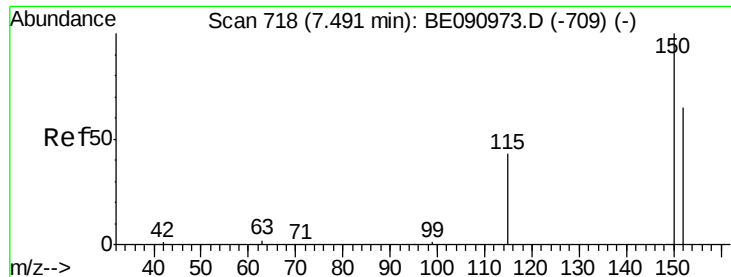
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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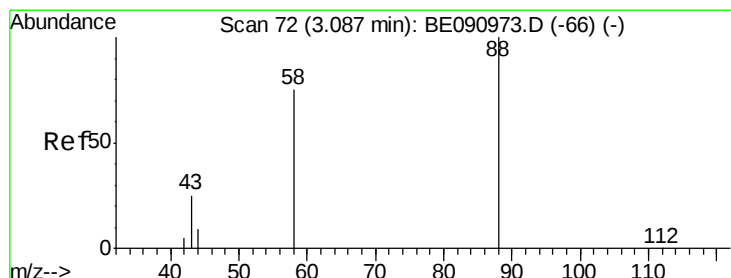
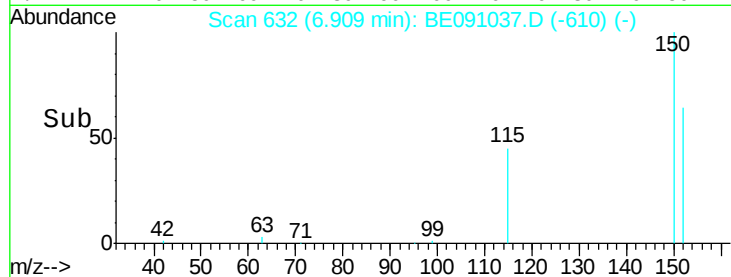
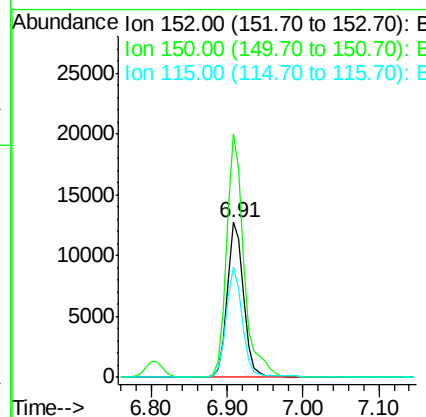
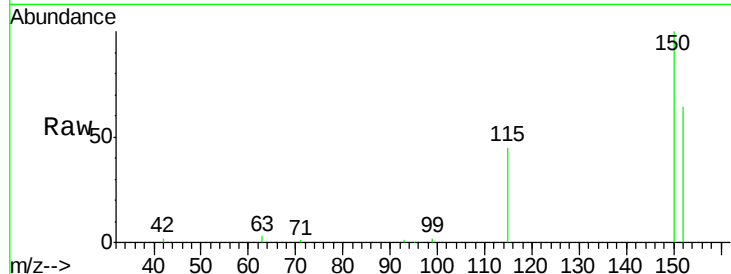




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 6.91 min Scan# 632
 Delta R.T. -0.05 min
 Lab File: BE091037.D
 Acq: 23 Oct 2015 17:21

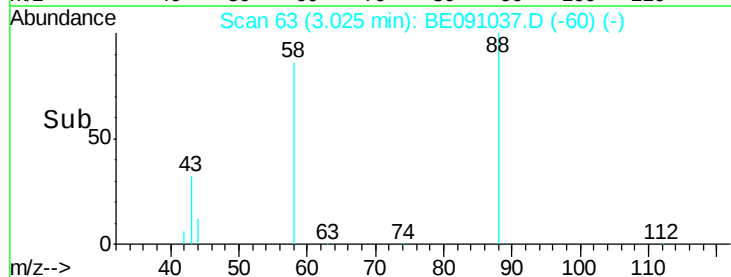
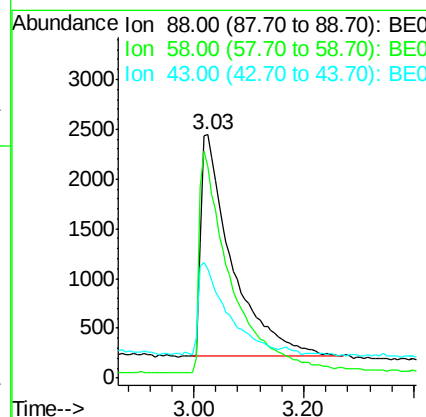
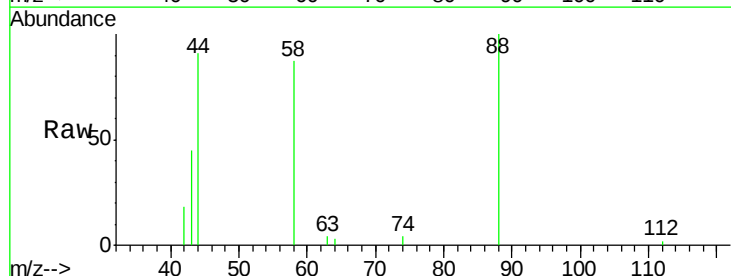
Instrument :
 BNA_E
 ClientSampleId :
 PB86253BS

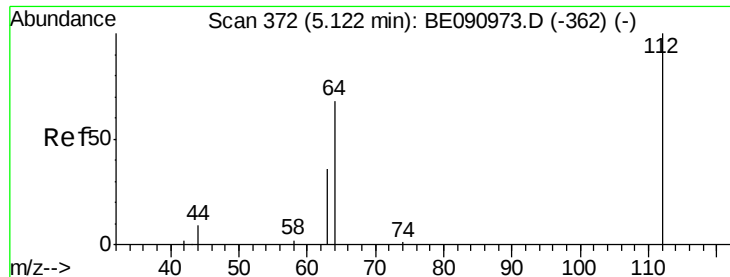
Tot Ion:152 Resp: 18830
 Ion Ratio Lower Upper
 152 100
 150 157.1 122.6 183.8
 115 71.0 52.8 79.2



#2
 1,4-Dioxane
 Concen: 3.53 ng
 RT: 3.03 min Scan# 63
 Delta R.T. -0.18 min
 Lab File: BE091037.D
 Acq: 23 Oct 2015 17:21

Tgt Ion: 88 Resp: 8712
 Ion Ratio Lower Upper
 88 100
 58 102.1 65.8 98.6#
 43 38.8 25.3 37.9#





#4

2-Fluorophenol

Concen: 8.09 ng

RT: 4.93 min Scan# 344

Delta R.T. -0.07 min

Lab File: BE091037.D

Acq: 23 Oct 2015 17:21

Instrument :

BNA_E

ClientSampleId :

PB86253BS

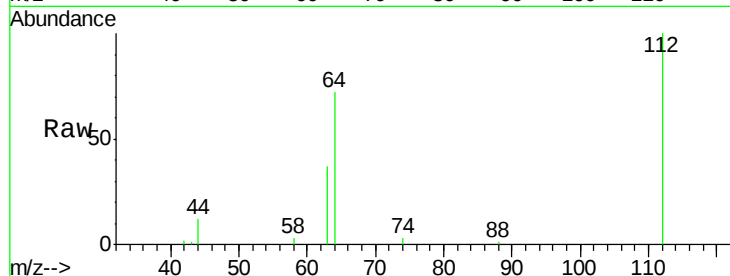
Tot Ion:112 Resp: 30896

Ion Ratio Lower Upper

112 100

64 79.3 30.9 46.3#

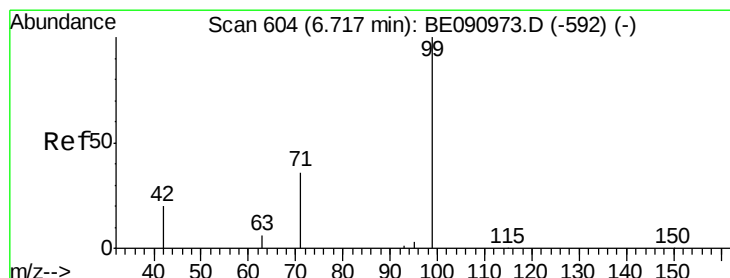
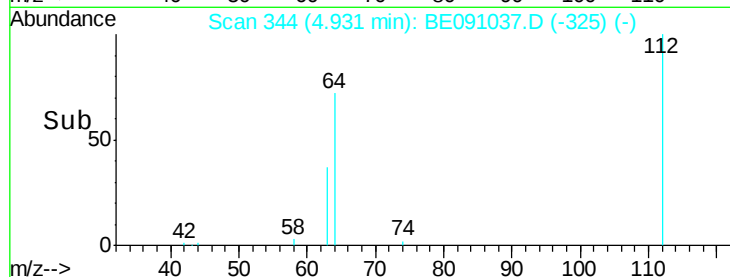
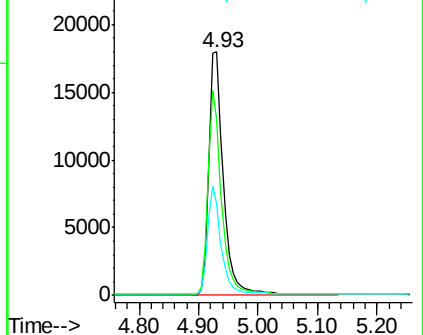
63 42.0 16.7 25.1#



Abundance Ion 112.00 (111.70 to 112.70): BE091037.D (-362) (-)

Ion 64.00 (63.70 to 64.70): BE091037.D (-362) (-)

Ion 63.00 (62.70 to 63.70): BE091037.D (-362) (-)



#5

Phenol-d6

Concen: 8.49 ng

RT: 6.54 min Scan# 578

Delta R.T. -0.08 min

Lab File: BE091037.D

Acq: 23 Oct 2015 17:21

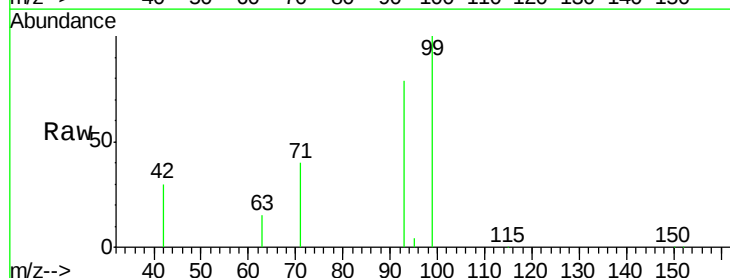
Tgt Ion: 99 Resp: 40929

Ion Ratio Lower Upper

99 100

42 30.6 16.2 24.2#

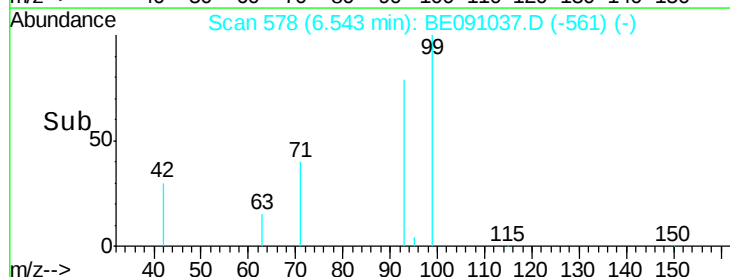
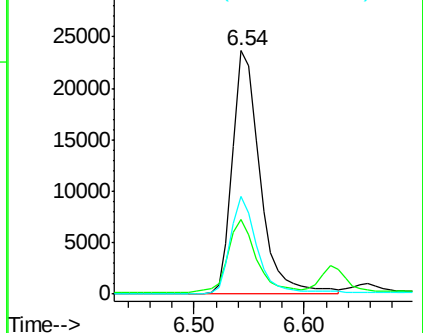
71 38.2 29.0 43.4

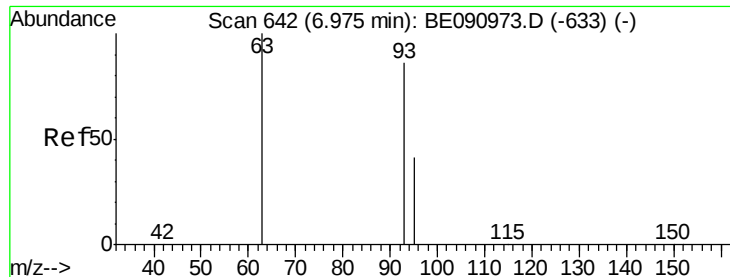


Abundance Ion 99.00 (98.70 to 99.70): BE091037.D (-592) (-)

Ion 42.00 (41.70 to 42.70): BE091037.D (-592) (-)

Ion 71.00 (70.70 to 71.70): BE091037.D (-592) (-)





#6

bis(2-Chloroethyl)ether

Concen: 10.21 ng

RT: 6.54 min Scan# 578

Delta R.T. -0.12 min

Lab File: BE091037.D

Acq: 23 Oct 2015 17:21

Instrument :

BNA_E

ClientSampleId :

PB86253BS

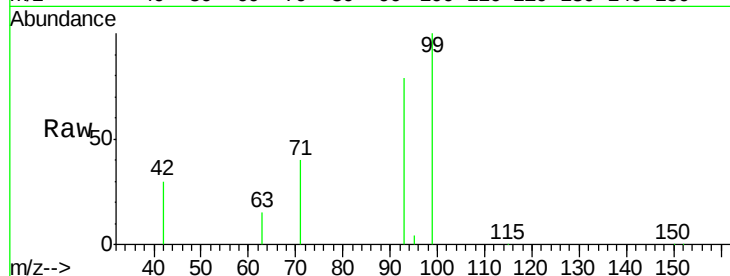
Tot Ion: 93 Resp: 52651

Ion Ratio Lower Upper

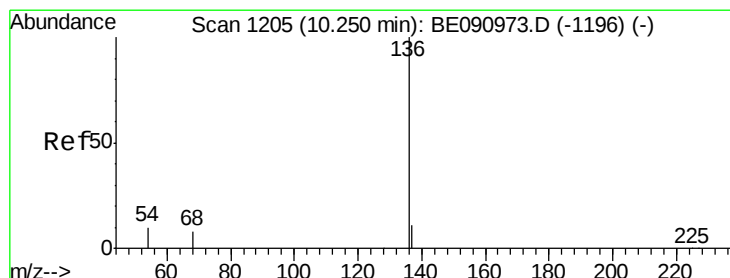
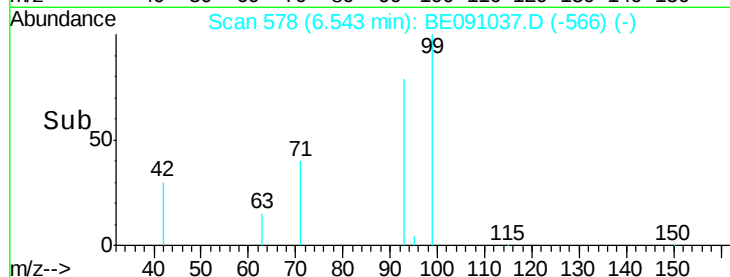
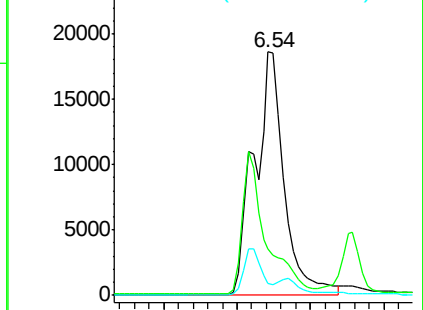
93 100

63 0.0 49.5 74.3#

95 0.0 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: 9.59 min Scan# 1154

Delta R.T. -0.05 min

Lab File: BE091037.D

Acq: 23 Oct 2015 17:21

Tgt Ion: 136 Resp: 88042

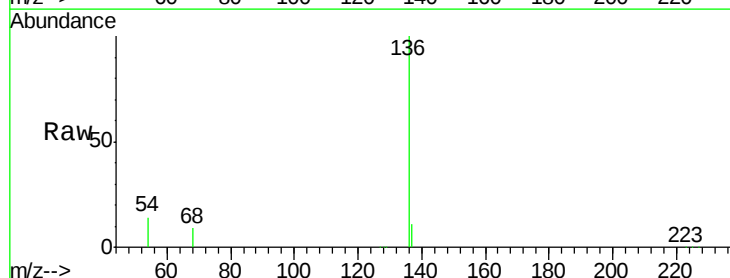
Ion Ratio Lower Upper

136 100

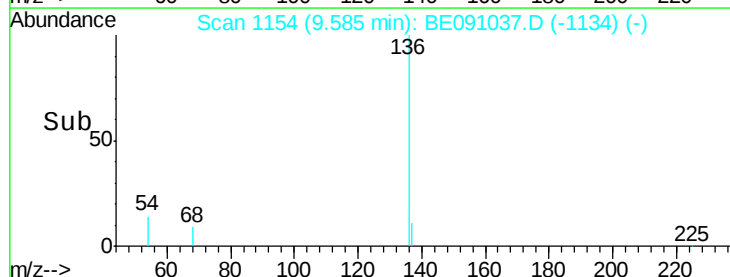
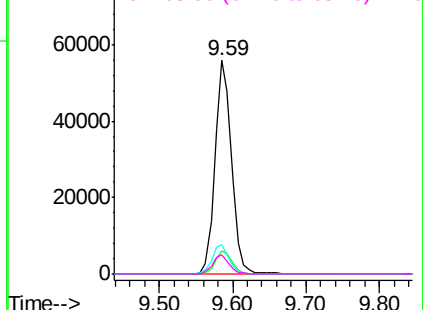
137 10.9 8.9 13.3

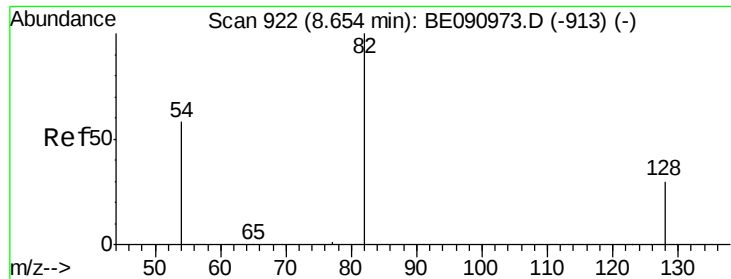
54 13.9 8.2 12.4#

68 8.8 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





#8

Nitrobenzene-d5

Concen: 4.61 ng

RT: 8.17 min Scan# 862

Delta R.T. -0.07 min

Lab File: BE091037.D

Acq: 23 Oct 2015 17:21

Instrument :

BNA_E

ClientSampleId :

PB86253BS

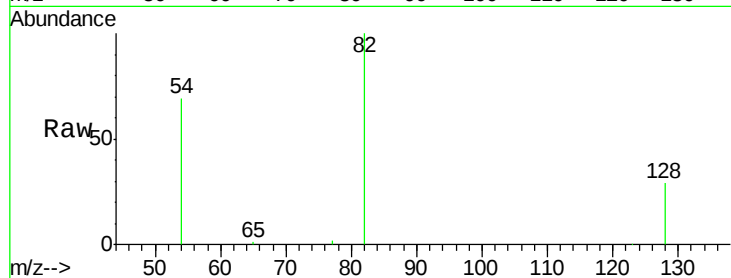
Tot Ion: 82 Resp: 26697

Ion Ratio Lower Upper

82 100

128 28.7 25.4 38.0

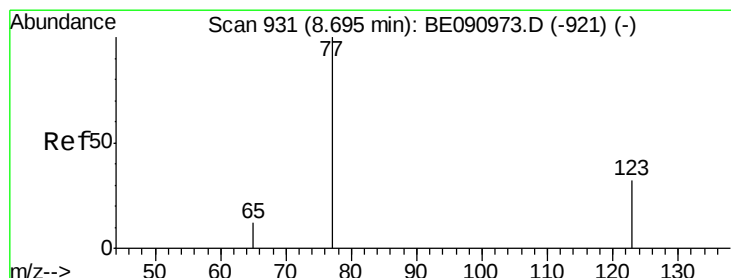
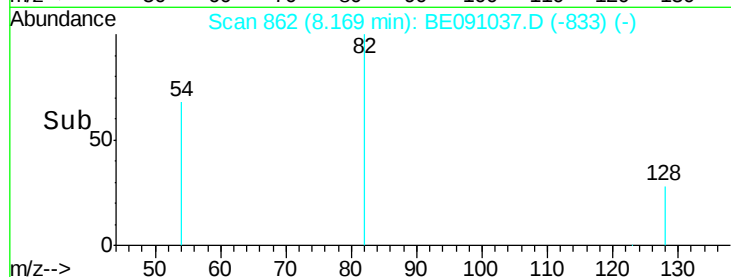
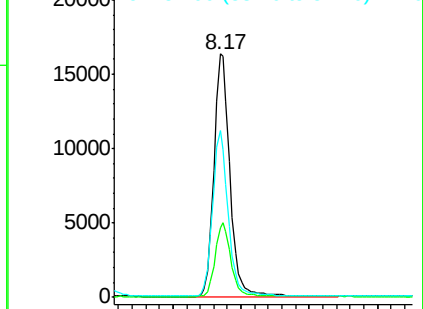
54 68.7 48.4 72.6



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: 4.28 ng

RT: 8.21 min Scan# 870

Delta R.T. -0.06 min

Lab File: BE091037.D

Acq: 23 Oct 2015 17:21

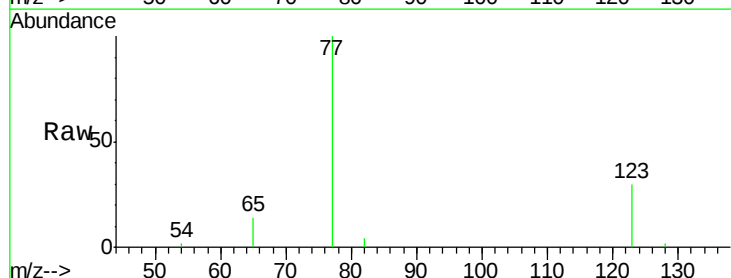
Tgt Ion: 77 Resp: 28075

Ion Ratio Lower Upper

77 100

123 31.3 26.9 40.3

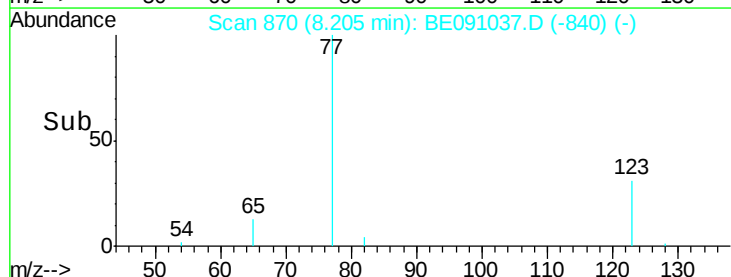
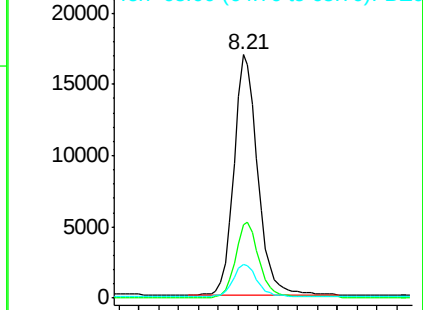
65 13.6 9.4 14.2

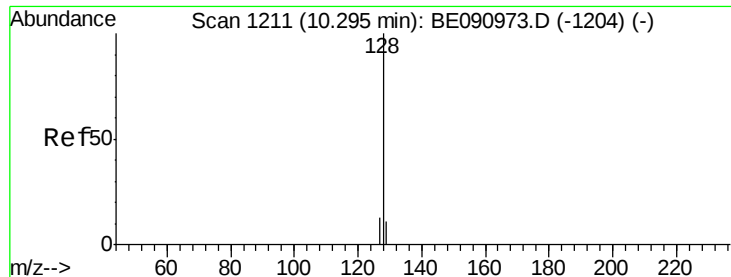


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#10

Naphthalene

Concen: 3.80 ng

RT: 9.63 min Scan# 1160

Delta R.T. -0.05 min

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Acq: 23 Oct 2015 17:21

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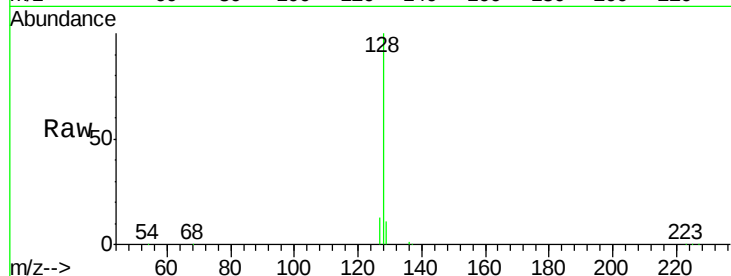
Tot Ion:128 Resp: 64502

Ion Ratio Lower Upper

128 100

129 11.0 9.3 13.9

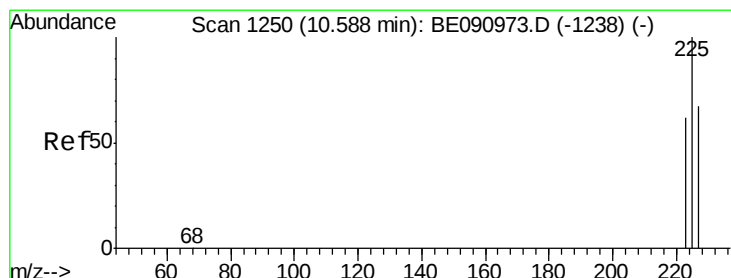
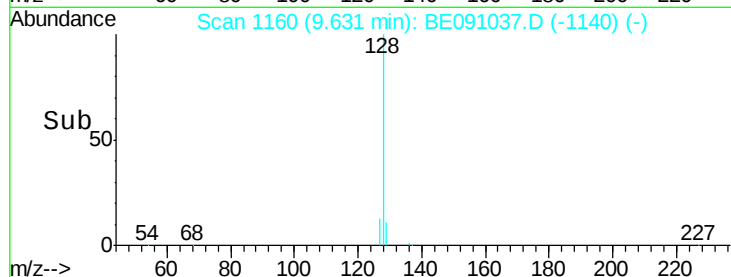
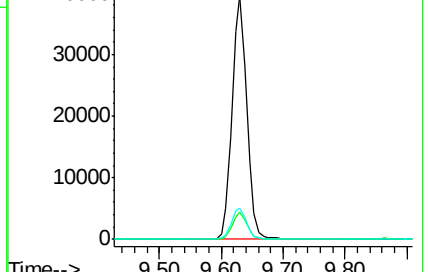
127 12.8 10.7 16.1



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: 3.27 ng

RT: 9.86 min Scan# 1191

Delta R.T. -0.04 min

Lab File: BE091037.D

Acq: 23 Oct 2015 17:21

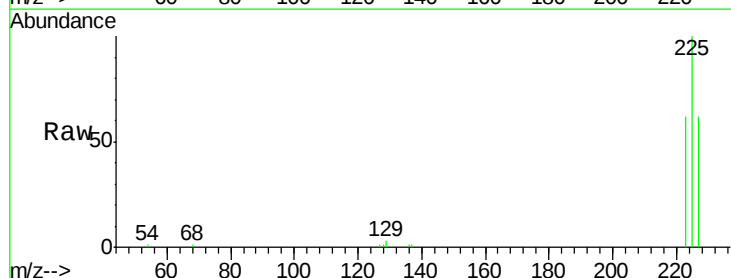
Tgt Ion:225 Resp: 8869

Ion Ratio Lower Upper

225 100

223 62.7 49.0 73.6

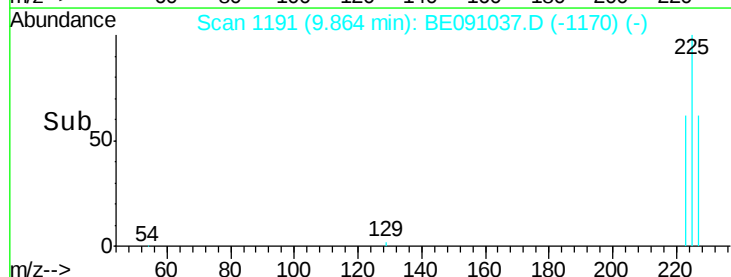
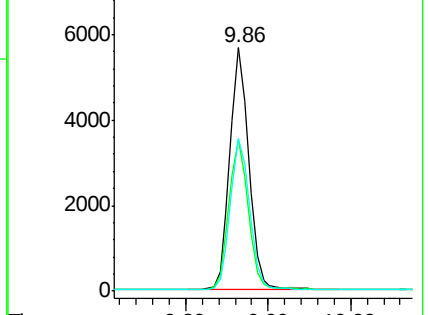
227 63.4 50.3 75.5

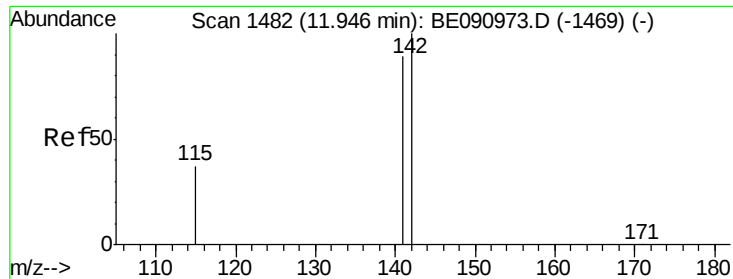


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

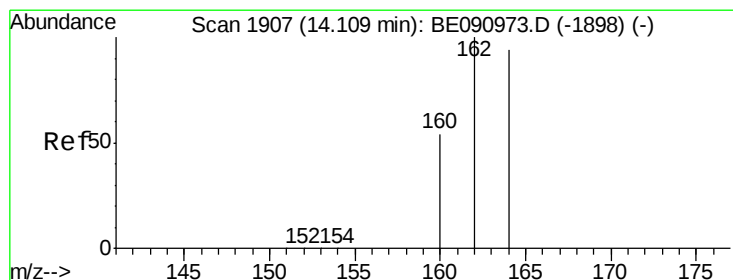
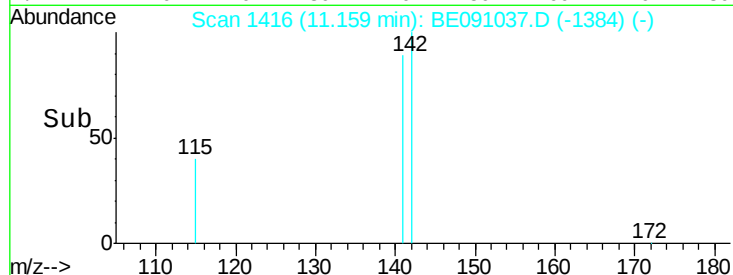
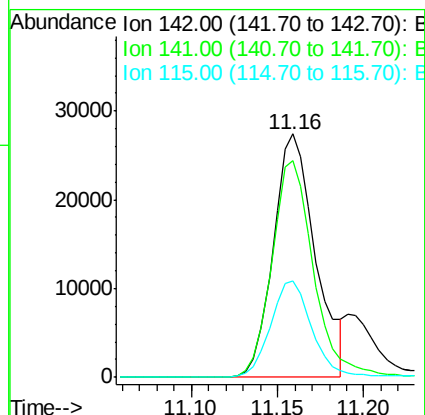
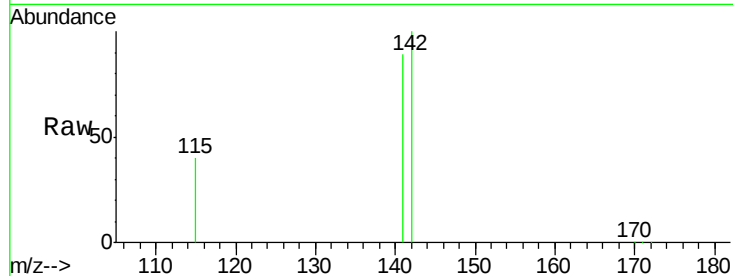




#12
2-Methylnaphthalene
Concen: 4.15 ng
RT: 11.16 min Scan# 1416
Delta R.T. -0.06 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

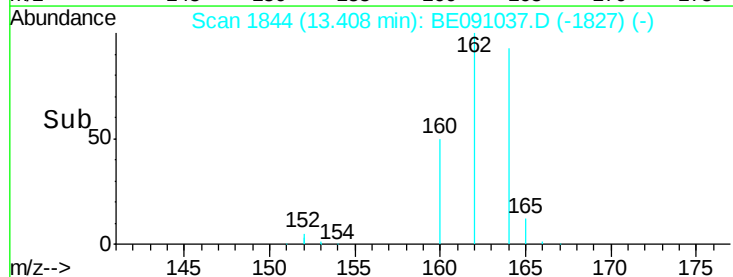
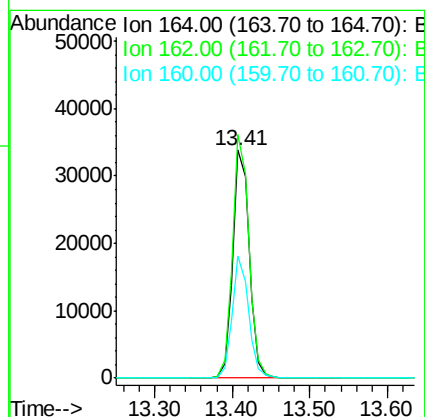
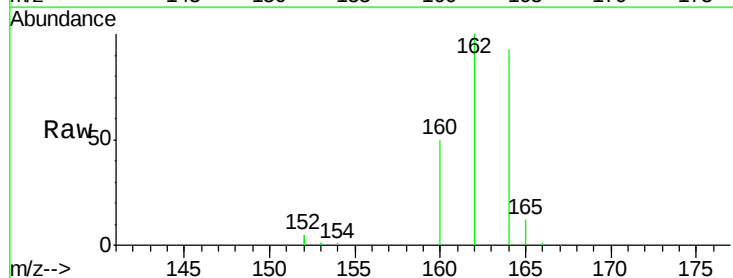
Instrument :
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PB86253BS

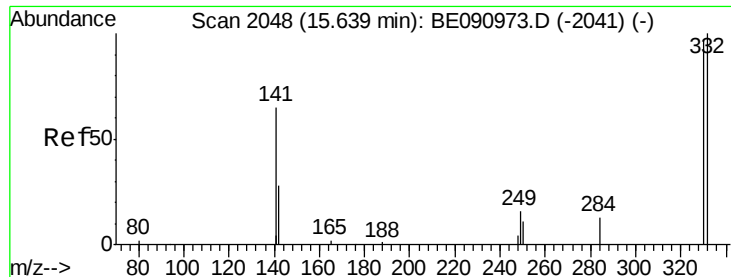
Tot Ion:142 Resp: 46329
Ion Ratio Lower Upper
142 100
141 89.0 71.4 107.0
115 39.8 30.3 45.5



#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 13.41 min Scan# 1844
Delta R.T. -0.05 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:164 Resp: 49256
Ion Ratio Lower Upper
164 100
162 107.0 85.3 127.9
160 53.6 46.2 69.2





#14

2,4,6-Tribromophenol

Concen: 7.77 ng

RT: 14.93 min Scan# 2007

Delta R.T. -0.05 min

Lab File: BE091037.D

Acq: 23 Oct 2015 17:21

Instrument :

BNA_E

ClientSampleId :

PB86253BS

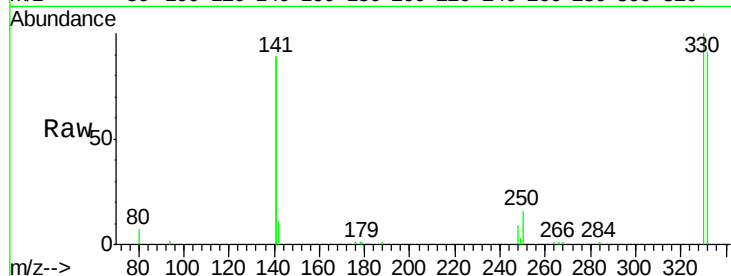
Tot Ion:330 Resp: 13254

Ion Ratio Lower Upper

330 100

332 96.1 79.1 118.7

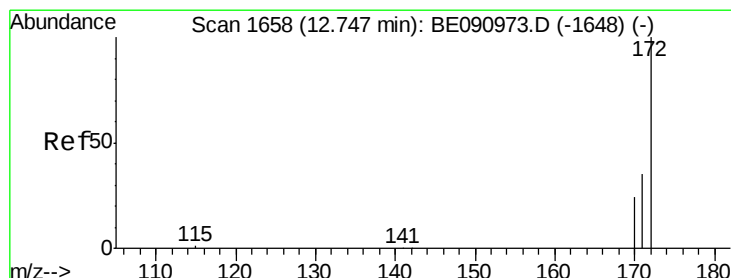
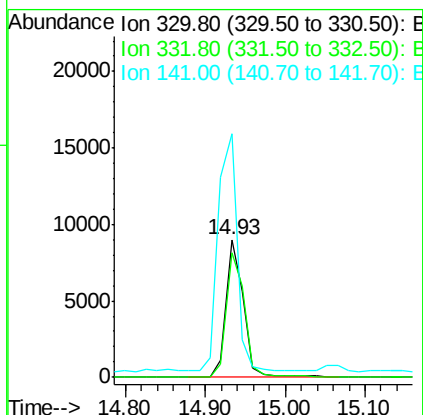
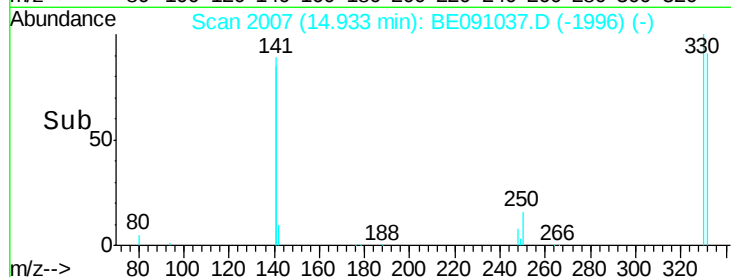
141 190.6 125.4 188.0#



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#15

2-Fluorobiphenyl

Concen: 3.78 ng

RT: 12.05 min Scan# 1611

Delta R.T. -0.05 min

Lab File: BE091037.D

Acq: 23 Oct 2015 17:21

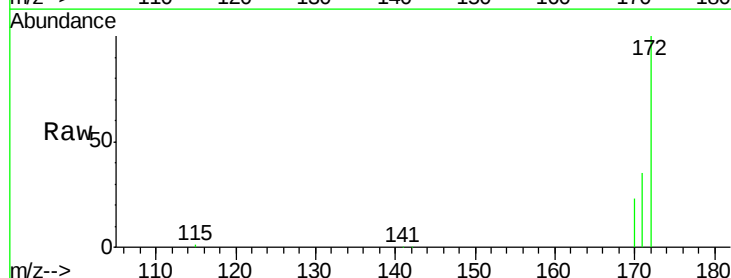
Tgt Ion:172 Resp: 50423

Ion Ratio Lower Upper

172 100

171 34.5 28.8 43.2

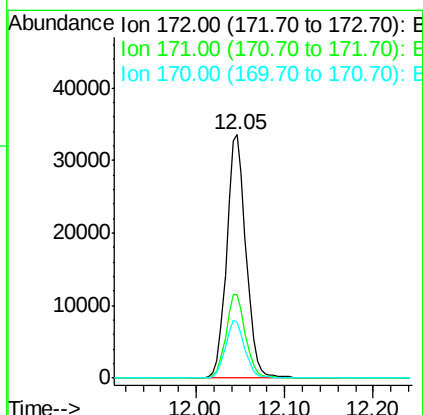
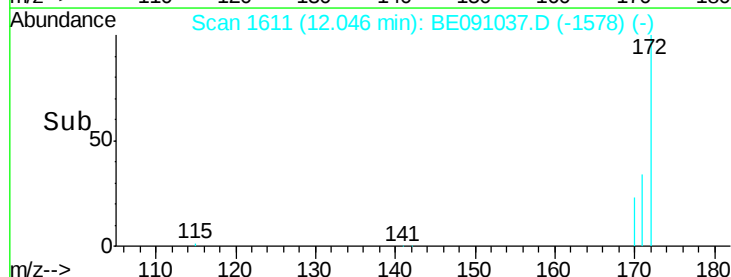
170 22.8 19.3 28.9

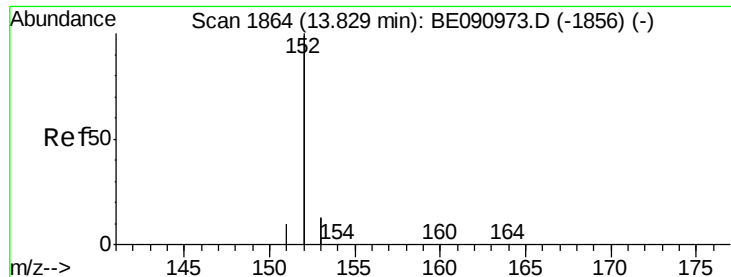


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#16

Acenaphthylene

Concen: 3.72 ng

RT: 13.15 min Scan# 1815

Delta R.T. -0.05 min

Lab File: BE091037.D

Acq: 23 Oct 2015 17:21

Instrument :

BNA_E

ClientSampleId :

PB86253BS

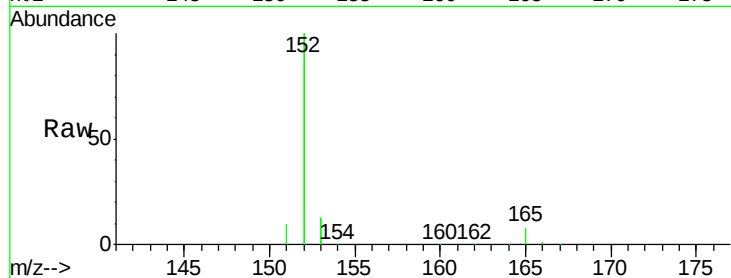
Tot Ion:152 Resp: 306279

Ion Ratio Lower Upper

152 100

151 4.8 3.9 5.9

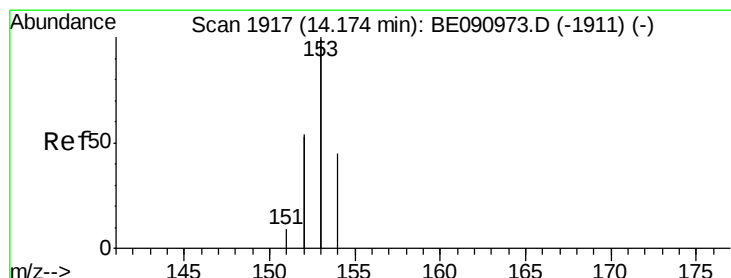
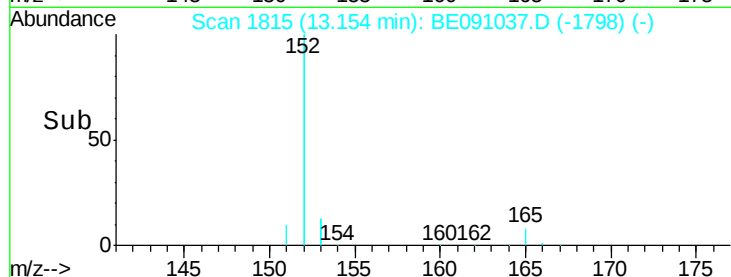
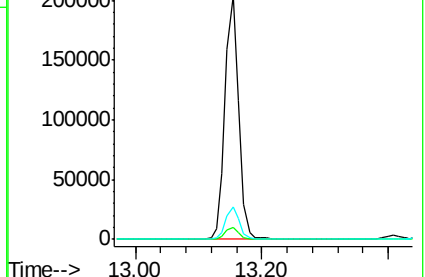
153 13.0 10.3 15.5



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: 3.56 ng

RT: 13.47 min Scan# 1851

Delta R.T. -0.05 min

Lab File: BE091037.D

Acq: 23 Oct 2015 17:21

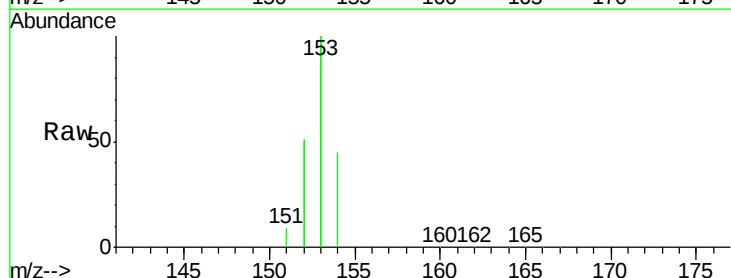
Tgt Ion:154 Resp: 46736

Ion Ratio Lower Upper

154 100

153 433.2 352.0 528.0

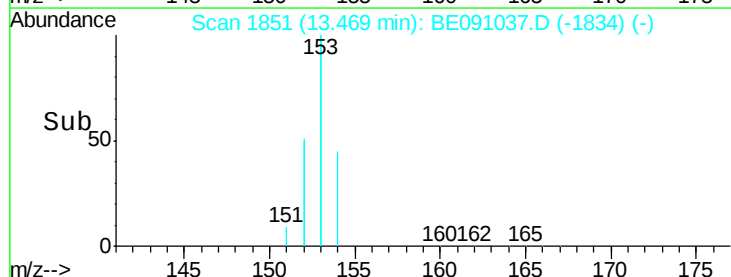
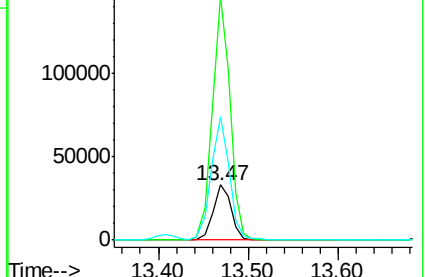
152 222.8 200.0 300.0

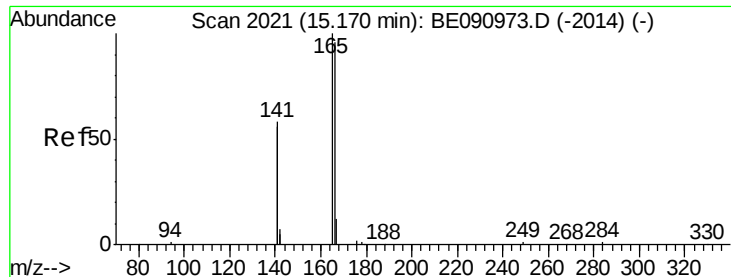


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 3.84 ng

RT: 14.46 min Scan# 1964

Delta R.T. -0.05 min

Lab File: BE091037.D

Acq: 23 Oct 2015 17:21

Instrument :

BNA_E

ClientSampleId :

PB86253BS

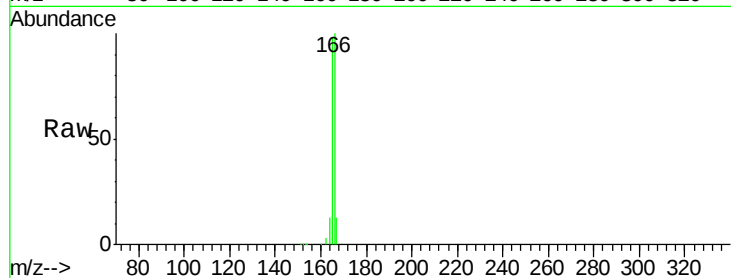
Tot Ion:166 Resp: 62346

Ion Ratio Lower Upper

166 100

165 99.2 80.8 121.2

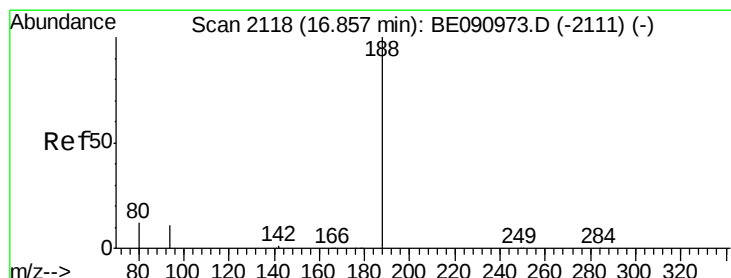
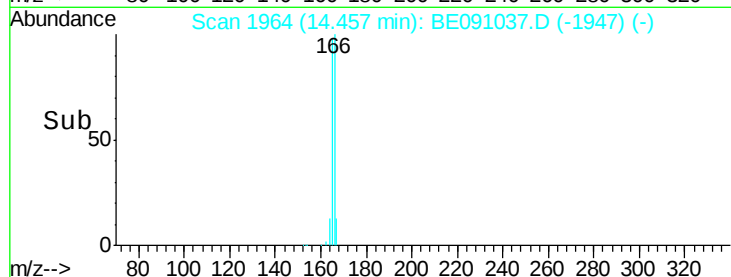
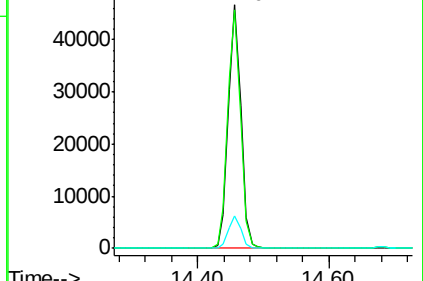
167 13.5 10.9 16.3



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: 16.13 min Scan# 2097

Delta R.T. -0.05 min

Lab File: BE091037.D

Acq: 23 Oct 2015 17:21

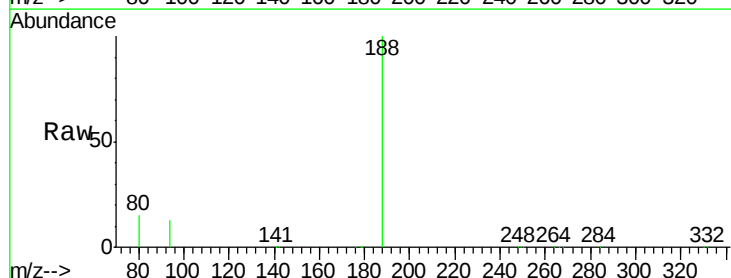
Tgt Ion:188 Resp: 123468

Ion Ratio Lower Upper

188 100

94 13.0 8.7 13.1

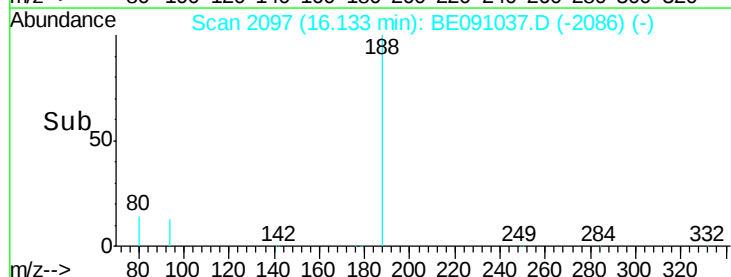
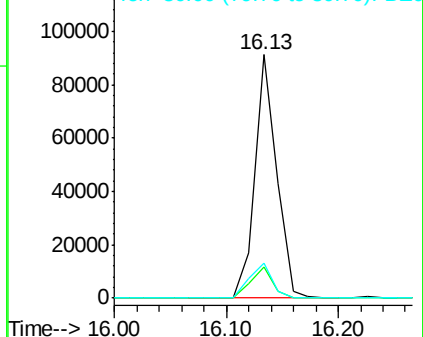
80 14.5 9.4 14.0#

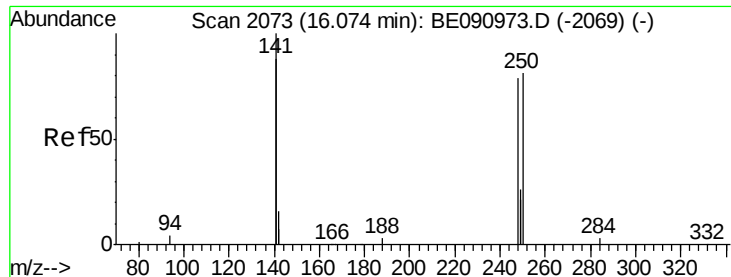


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

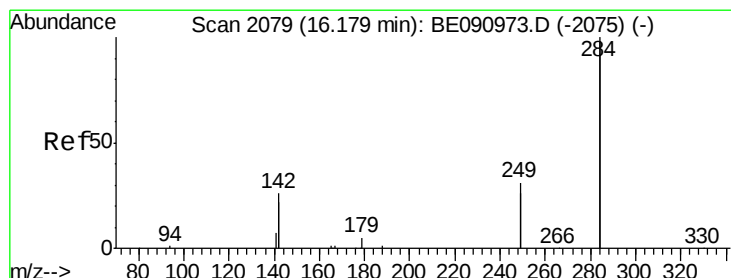
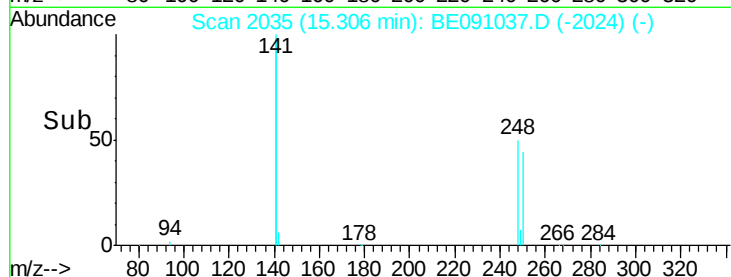
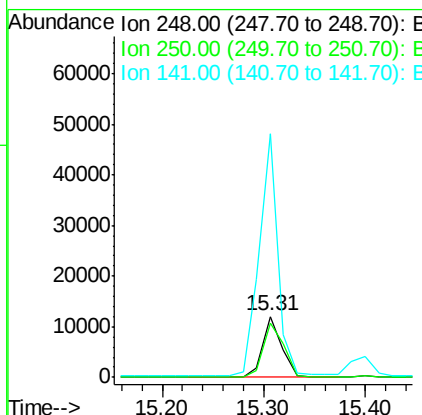
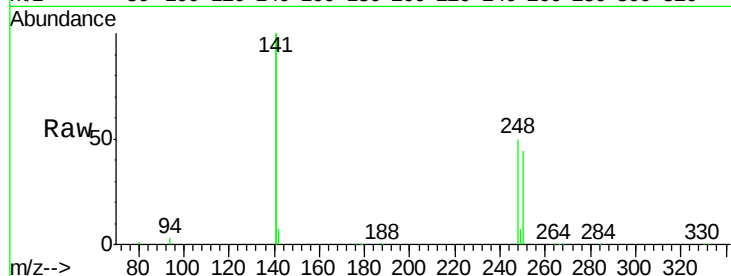




#20
4-Bromophenyl-phenylether
Concen: 3.38 ng
RT: 15.31 min Scan# 2035
Delta R.T. -0.05 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

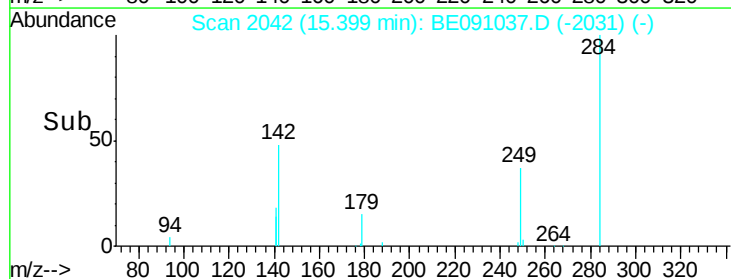
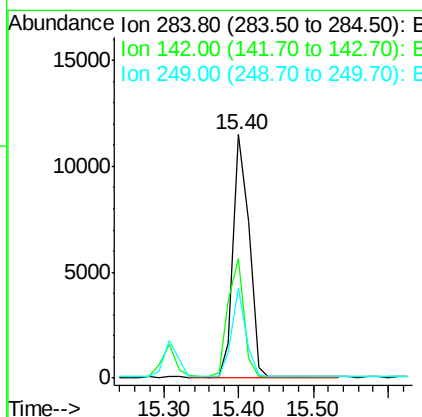
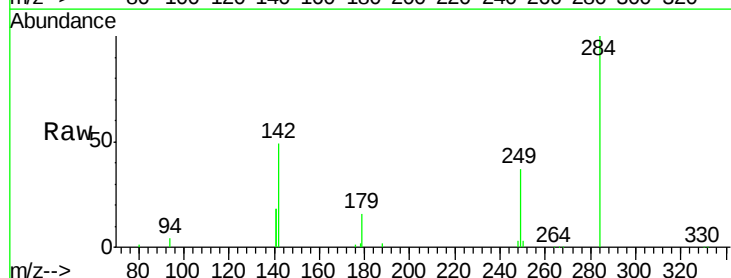
Instrument :
BNA_E
ClientSampleId :
PB86253BS

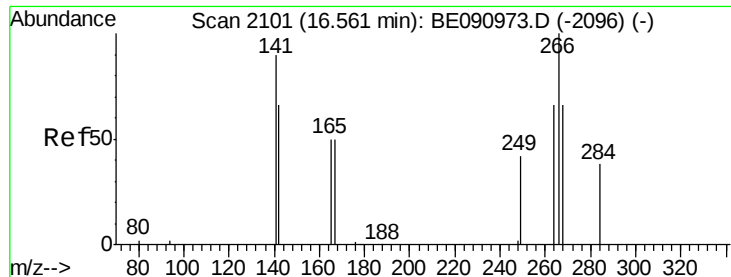
Tot Ion:248 Resp: 15760
Ion Ratio Lower Upper
248 100
250 96.5 80.5 120.7
141 387.9 261.9 392.9



#21
Hexachlorobenzene
Concen: 0.70 ng
RT: 15.40 min Scan# 2042
Delta R.T. -0.05 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:284 Resp: 16813
Ion Ratio Lower Upper
284 100
142 48.3 32.2 48.2#
249 32.6 25.4 38.2

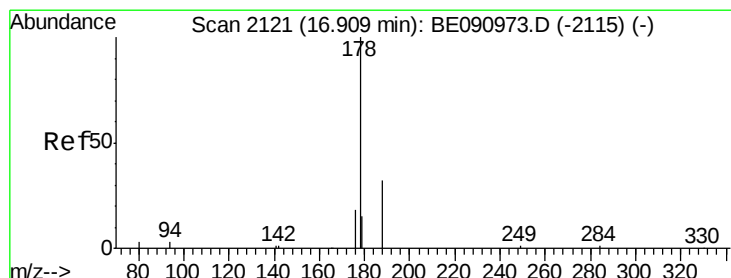
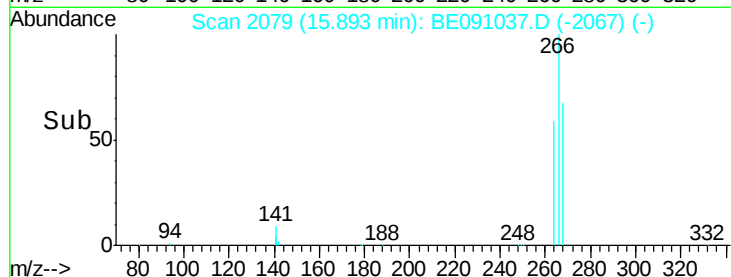
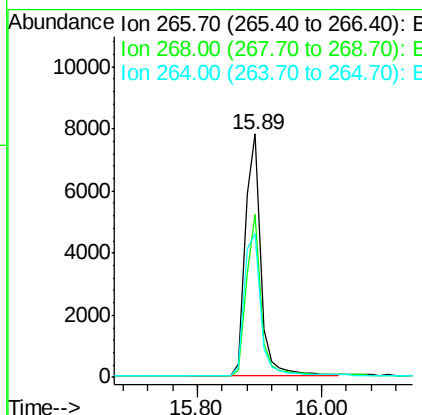
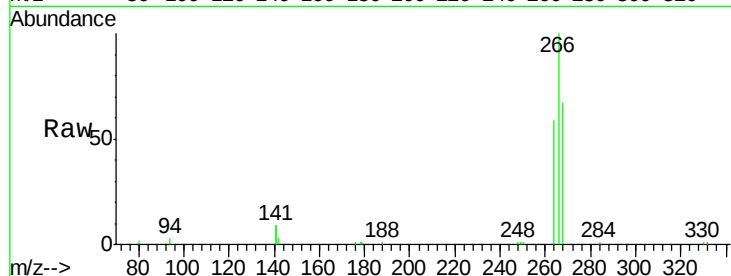




#22
 Pentachlorophenol
 Concen: 7.02 ng
 RT: 15.89 min Scan# 2079
 Delta R.T. -0.04 min
 Lab File: BE091037.D
 Acq: 23 Oct 2015 17:21

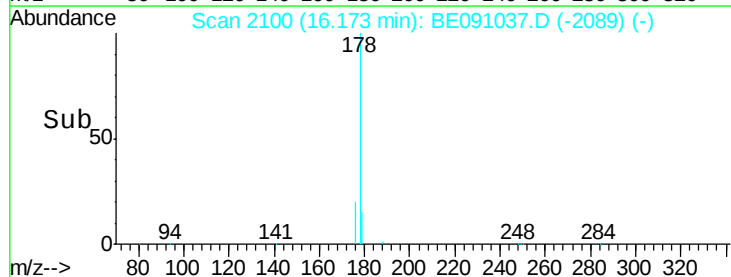
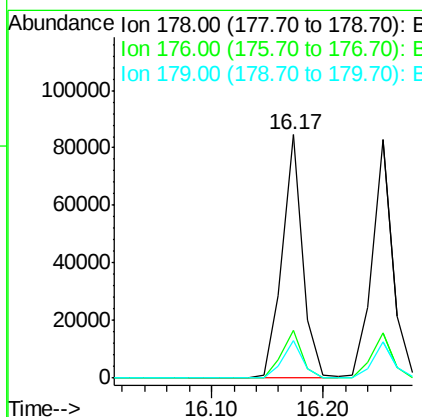
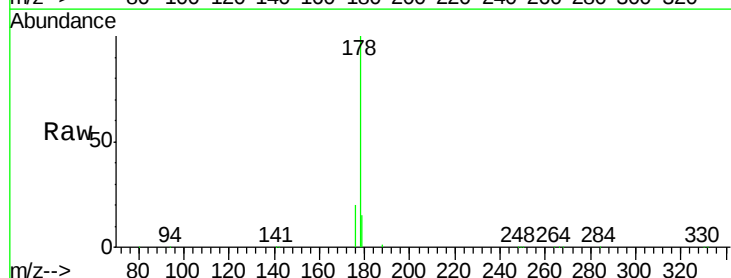
Instrument :
 BNA_E
 ClientSampleId :
 PB86253BS

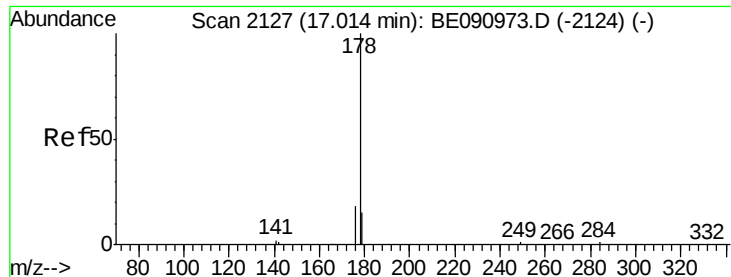
Tot Ion:266 Resp: 13563
 Ion Ratio Lower Upper
 266 100
 268 66.9 58.2 87.2
 264 58.8 56.2 84.4



#23
 Phenanthrene
 Concen: 3.86 ng
 RT: 16.17 min Scan# 2100
 Delta R.T. -0.05 min
 Lab File: BE091037.D
 Acq: 23 Oct 2015 17:21

Tgt Ion:178 Resp: 108745
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.3 22.9
 179 15.1 12.6 18.8





#24

Anthracene

Concen: 3.96 ng

RT: 16.25 min Scan# 2106

Delta R.T. -0.05 min

Lab File: BE091037.D

Acq: 23 Oct 2015 17:21

Instrument :

BNA_E

ClientSampleId :

PB86253BS

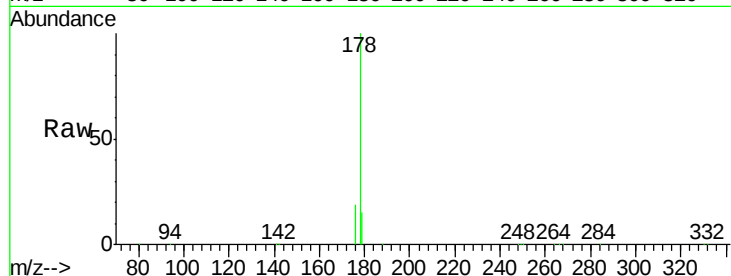
Tot Ion:178 Resp: 106232

Ion Ratio Lower Upper

178 100

176 18.8 14.6 21.8

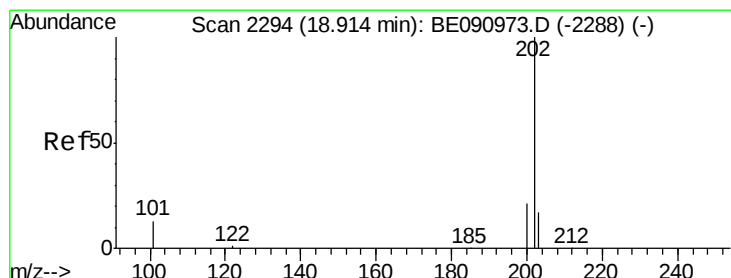
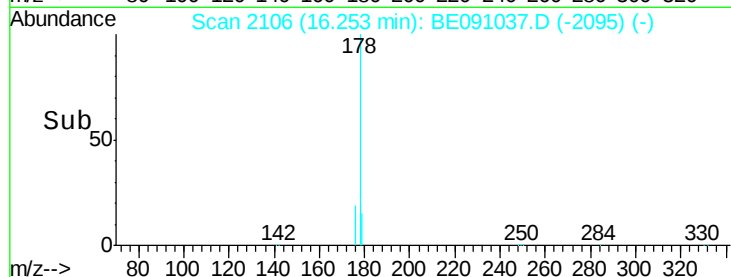
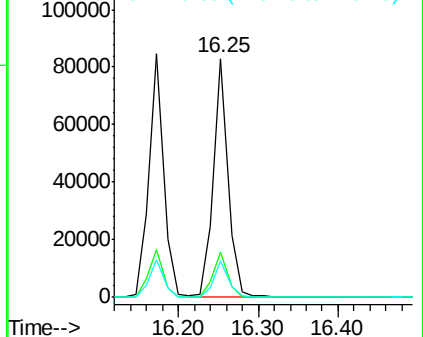
179 15.2 11.8 17.6



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: 3.95 ng

RT: 18.16 min Scan# 2312

Delta R.T. -0.05 min

Lab File: BE091037.D

Acq: 23 Oct 2015 17:21

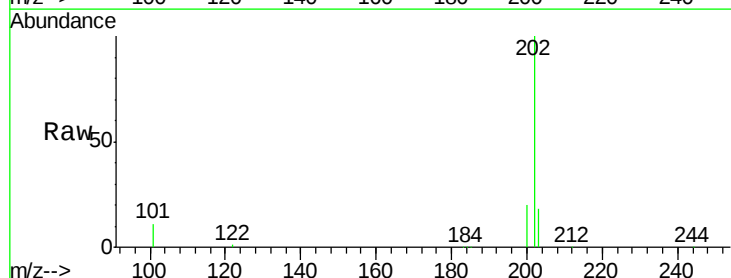
Tgt Ion:202 Resp: 126866

Ion Ratio Lower Upper

202 100

101 14.4 11.0 16.6

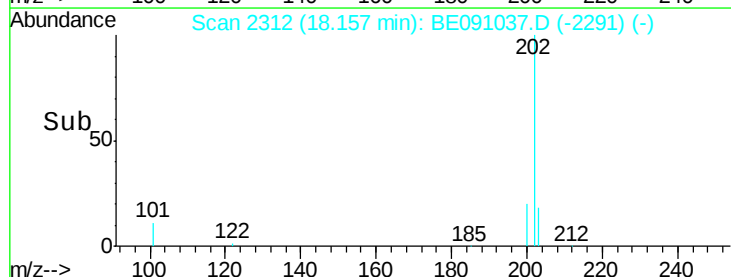
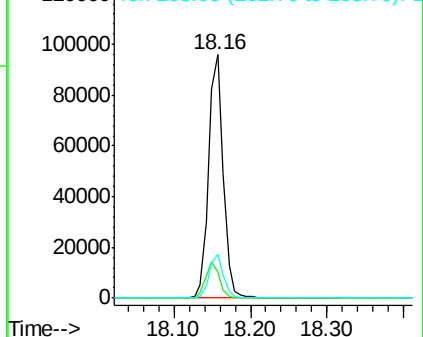
203 17.3 13.9 20.9

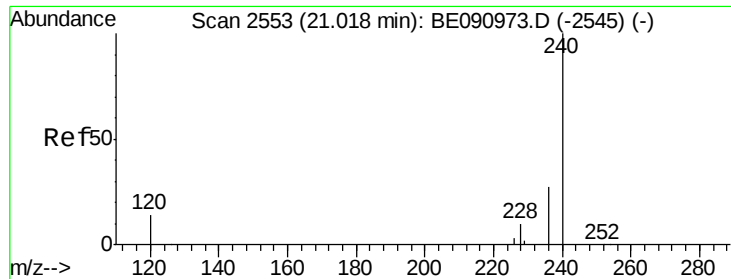


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

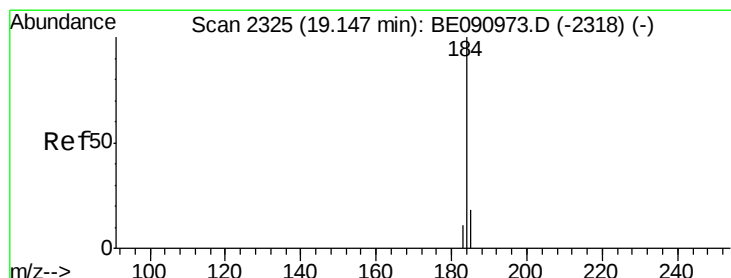
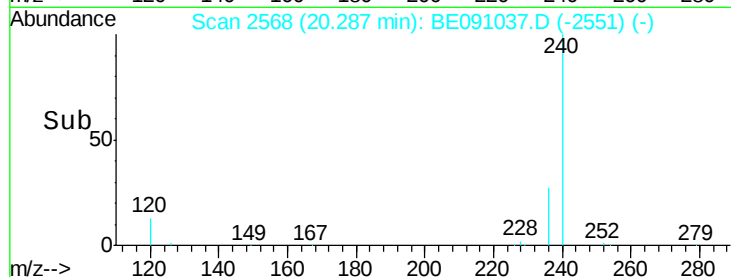
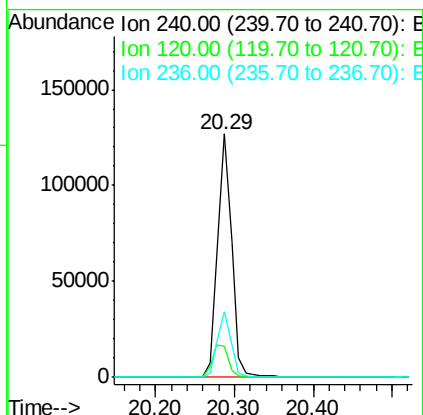
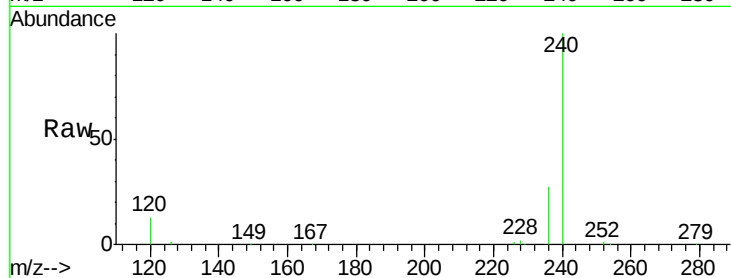




#26
Chrysene-d12
Concen: 5.00 ng
RT: 20.29 min Scan# 2568
Delta R.T. -0.05 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

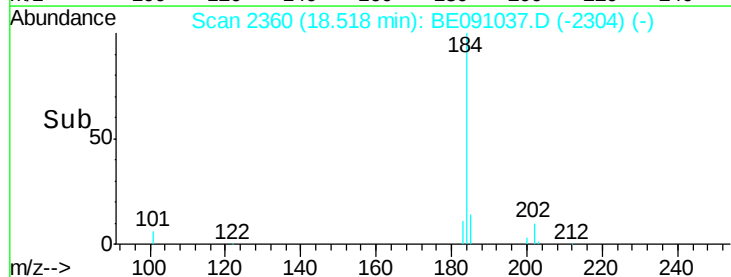
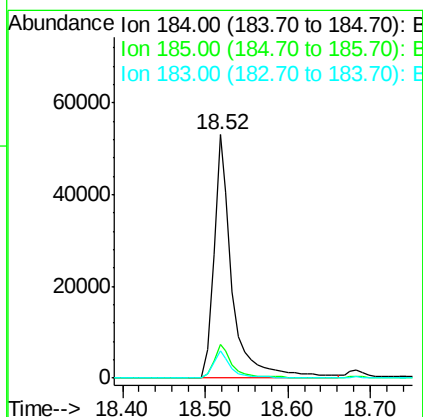
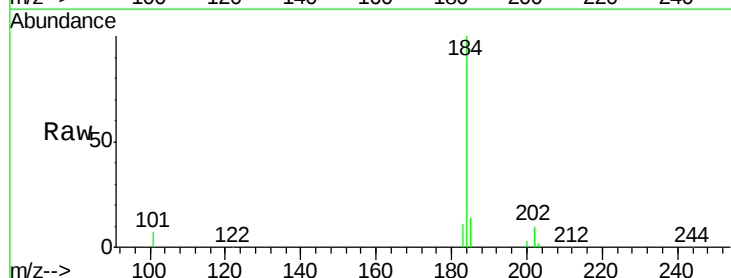
Instrument :
BNA_E
ClientSampleId :
PB86253BS

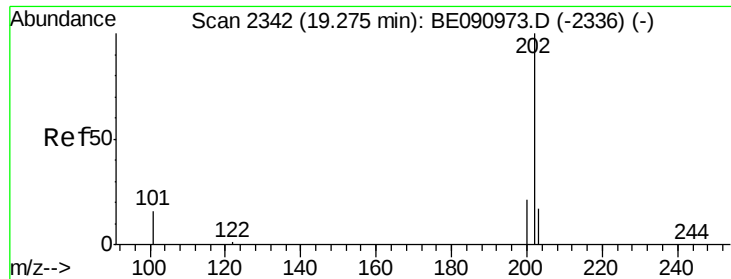
Tot Ion:240 Resp: 154386
Ion Ratio Lower Upper
240 100
120 12.6 11.0 16.4
236 26.9 21.7 32.5



#27
Benzidine
Concen: 10.33 ng
RT: 18.52 min Scan# 2360
Delta R.T. -0.08 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:184 Resp: 81825
Ion Ratio Lower Upper
184 100
185 13.8 22.3 33.5#
183 11.4 16.4 24.6#

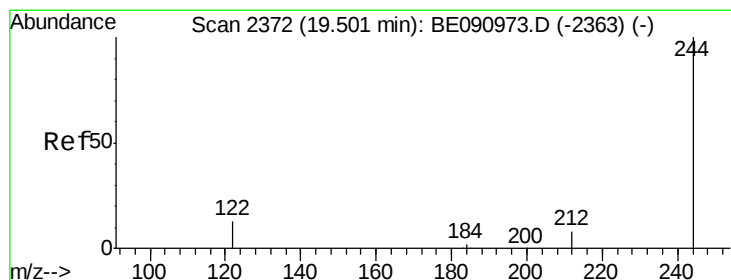
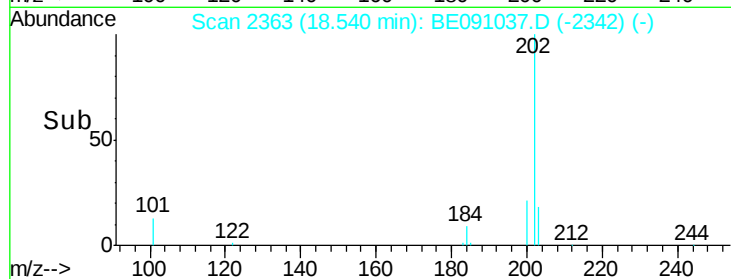
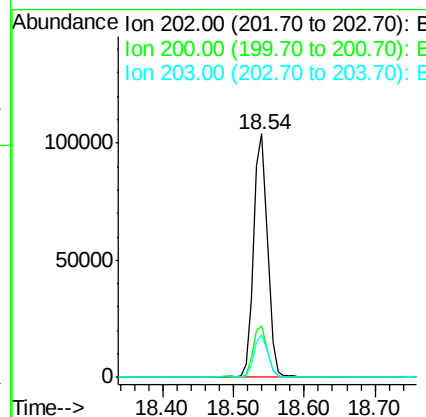
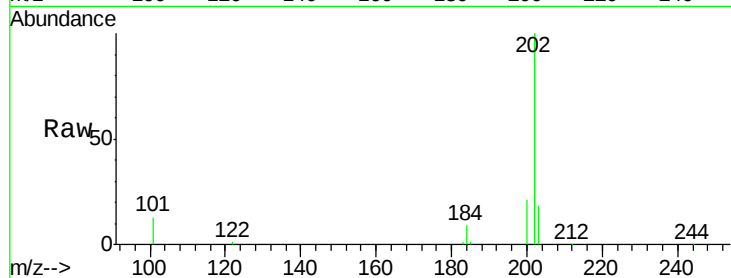




#28
Pvrene
Concen: 3.95 ng
RT: 18.54 min Scan# 2363
Delta R.T. -0.05 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

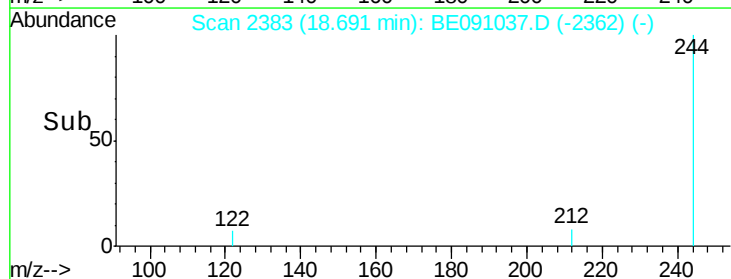
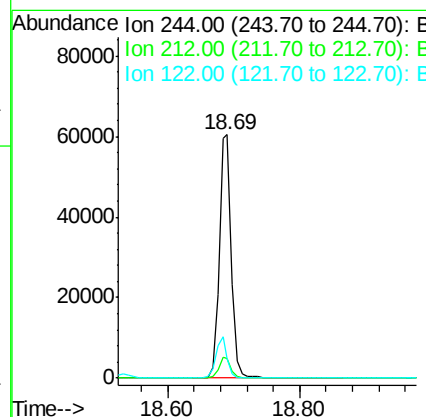
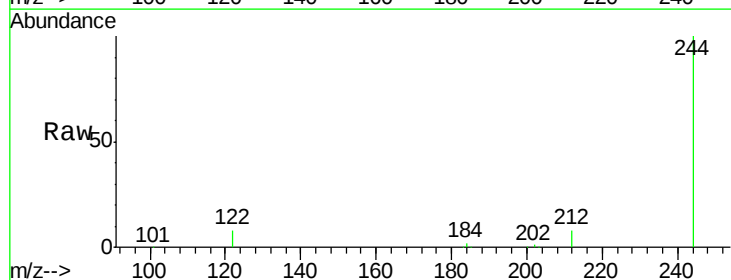
Instrument :
BNA_E
ClientSampleId :
PB86253BS

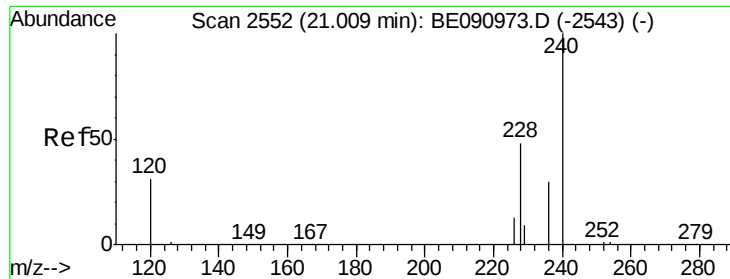
Tot Ion:202 Resp: 139989
Ion Ratio Lower Upper
202 100
200 21.4 16.8 25.2
203 17.3 14.0 21.0



#29
Terphenyl-d14
Concen: 4.14 ng
RT: 18.69 min Scan# 2383
Delta R.T. -0.05 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:244 Resp: 78660
Ion Ratio Lower Upper
244 100
212 8.2 6.9 10.3
122 8.2 11.0 16.4#





#30

Benzo(a)anthracene

Concen: 3.89 ng

RT: 20.26 min Scan# 2565

Delta R.T. -0.05 min

Lab File: BE091037.D

Acq: 23 Oct 2015 17:21

Instrument :

BNA_E

ClientSampled :

PB86253BS

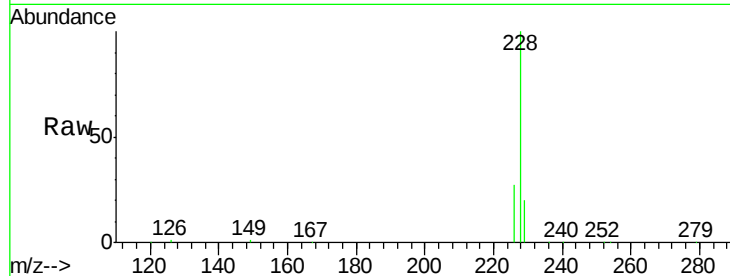
Tot Ion:228 Resp: 133759

Ion Ratio Lower Upper

228 100

226 26.7 21.0 31.4

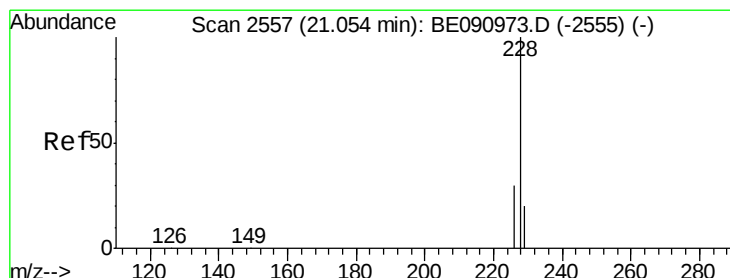
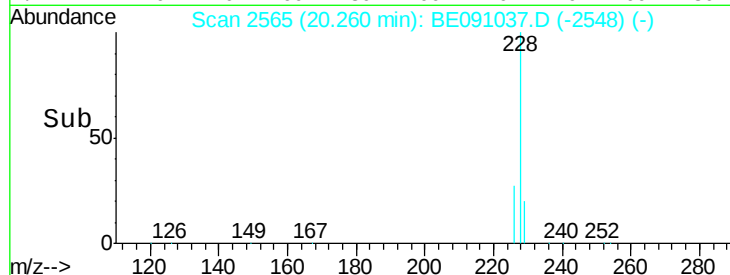
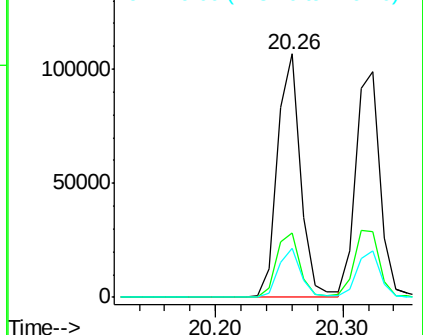
229 19.9 15.7 23.5



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



#32

Chrysene

Concen: 3.65 ng

RT: 20.32 min Scan# 2572

Delta R.T. -0.04 min

Lab File: BE091037.D

Acq: 23 Oct 2015 17:21

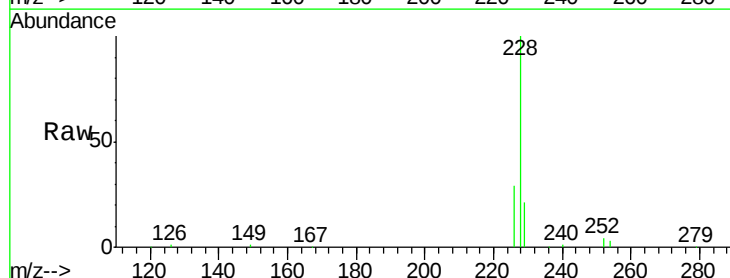
Tgt Ion:228 Resp: 132728

Ion Ratio Lower Upper

228 100

226 29.0 24.0 36.0

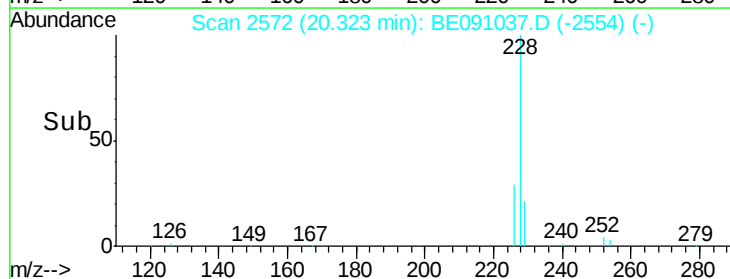
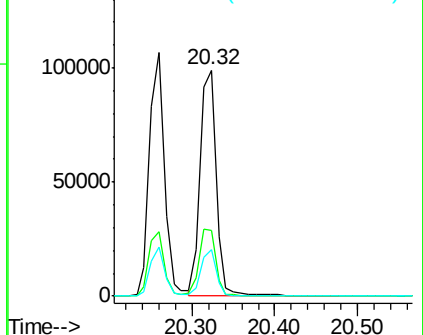
229 20.6 15.9 23.9

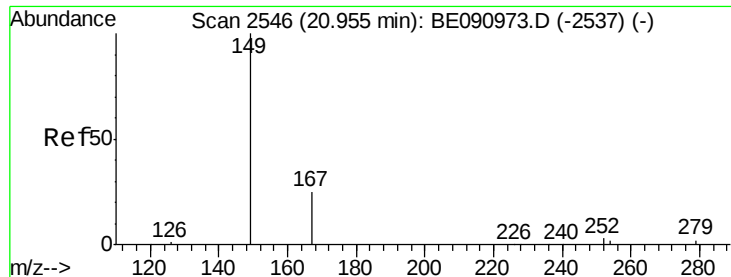


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#33

Bis(2-ethylhexyl)phthalate

Concen: 4.18 ng

RT: 19.97 min Scan# 2533

Delta R.T. -0.05 min

Lab File: BE091037.D

Acq: 23 Oct 2015 17:21

Instrument :

BNA_E

ClientSampleId :

PB86253BS

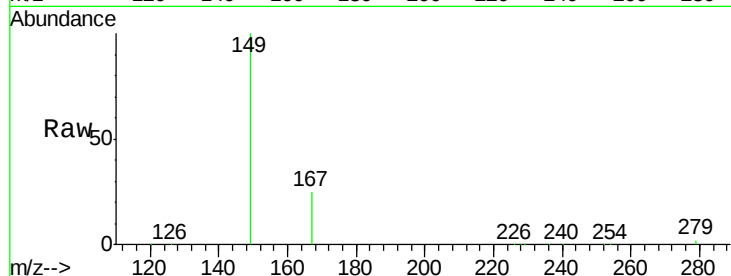
Tot Ion:149 Resp: 61064

Ion Ratio Lower Upper

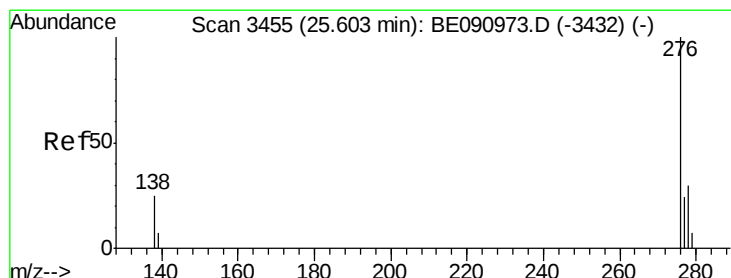
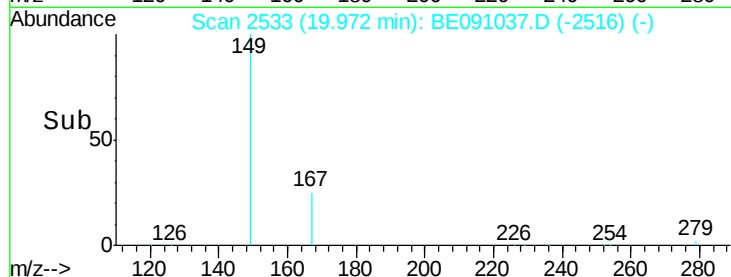
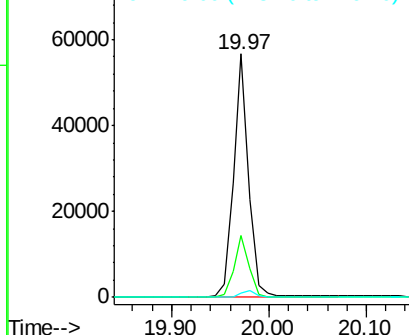
149 100

167 25.2 19.5 29.3

279 2.7 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: 3.63 ng

RT: 23.83 min Scan# 3262

Delta R.T. -0.08 min

Lab File: BE091037.D

Acq: 23 Oct 2015 17:21

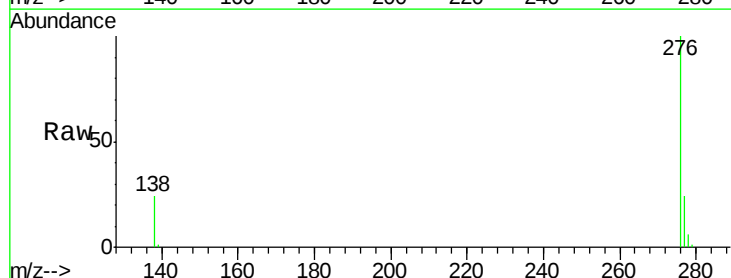
Tgt Ion:276 Resp: 139068

Ion Ratio Lower Upper

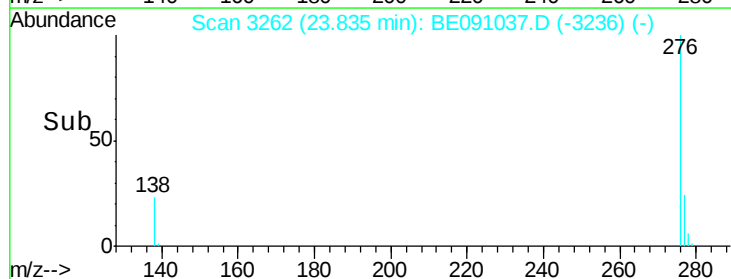
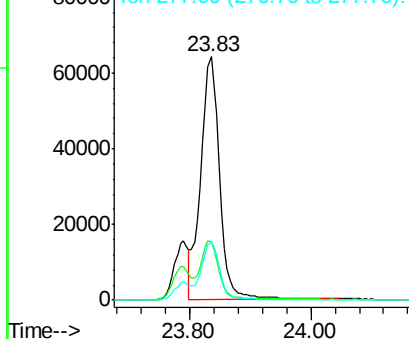
276 100

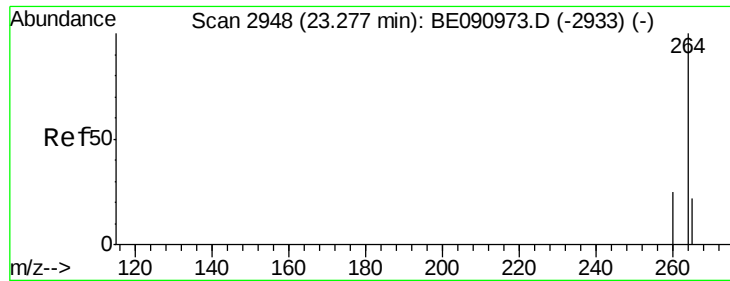
138 22.5 23.4 35.2#

277 23.4 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

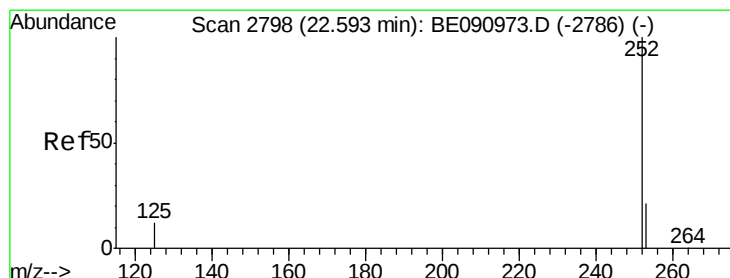
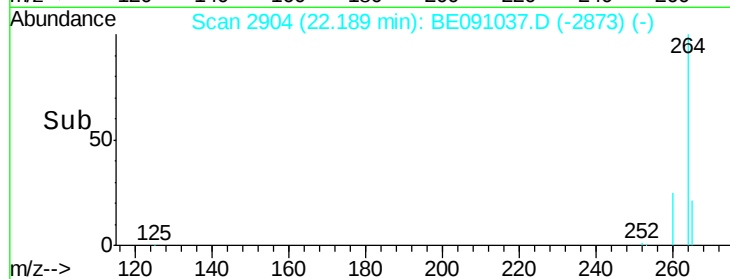
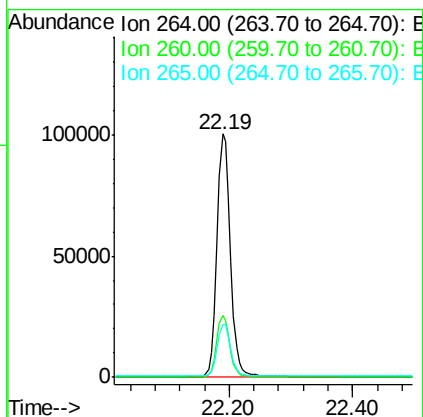
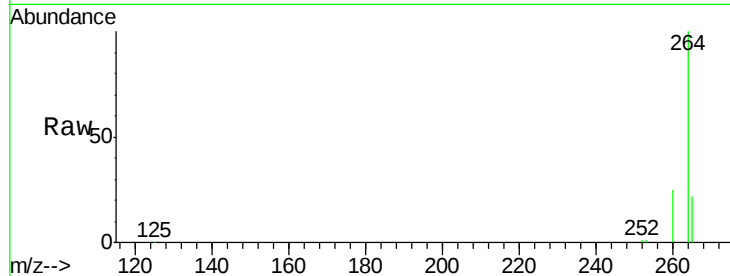




#35
Pervlene-d12
Concen: 5.00 ng
RT: 22.19 min Scan# 2904
Delta R.T. -0.06 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

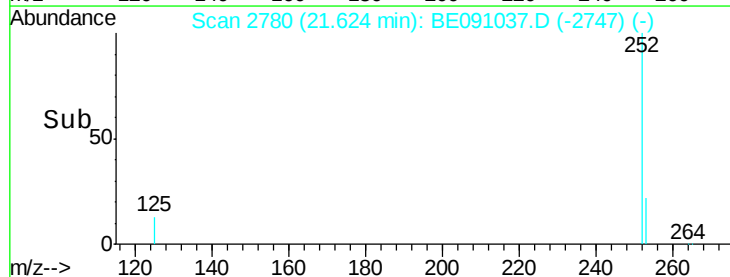
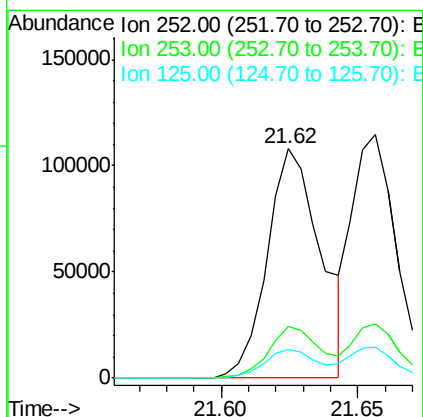
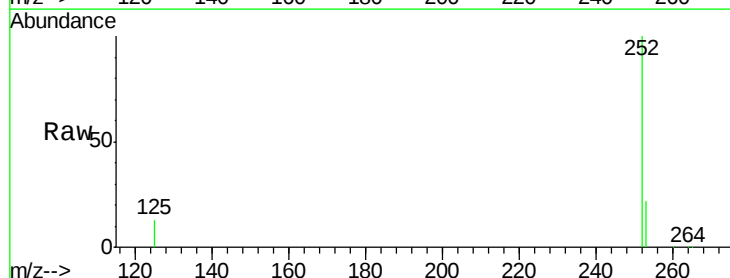
Instrument :
BNA_E
ClientSampleId :
PB86253BS

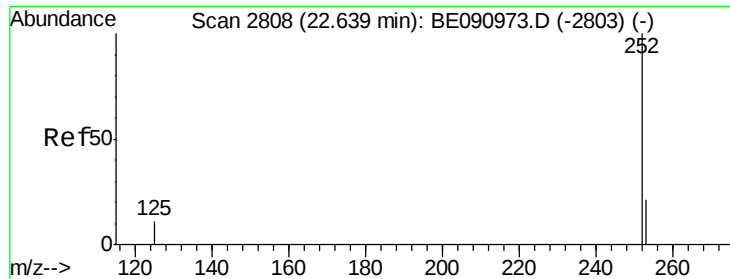
Tot Ion:264 Resp: 153005
Ion Ratio Lower Upper
264 100
260 25.5 20.0 30.0
265 22.0 17.5 26.3



#36
Benzo(b)fluoranthene
Concen: 4.35 ng
RT: 21.62 min Scan# 2780
Delta R.T. -0.05 min
Lab File: BE091037.D
Acq: 23 Oct 2015 17:21

Tgt Ion:252 Resp: 146586
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 12.7 10.2 15.2





#37

Benzo(k)fluoranthene

Concen: 3.26 ng

RT: 21.66 min Scan# 2787

Delta R.T. -0.05 min

Lab File: BE091037.D

Acq: 23 Oct 2015 17:21

Instrument :

BNA_E

ClientSampleId :

PB86253BS

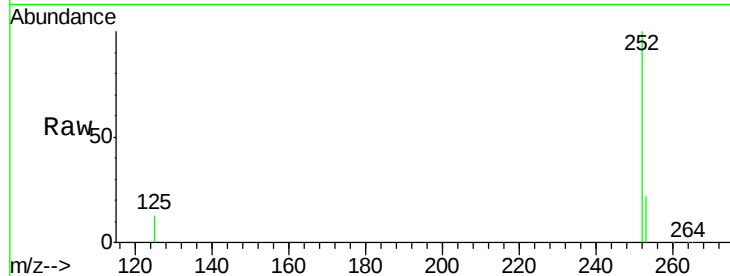
Tot Ion:252 Resp: 133825

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

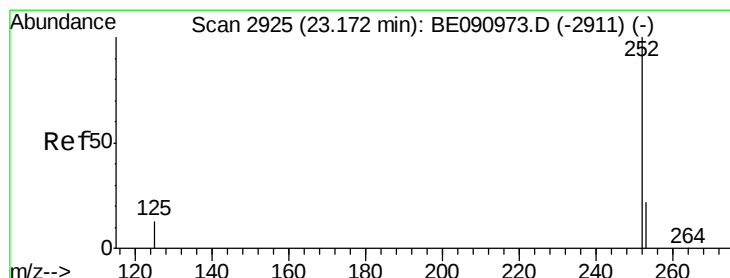
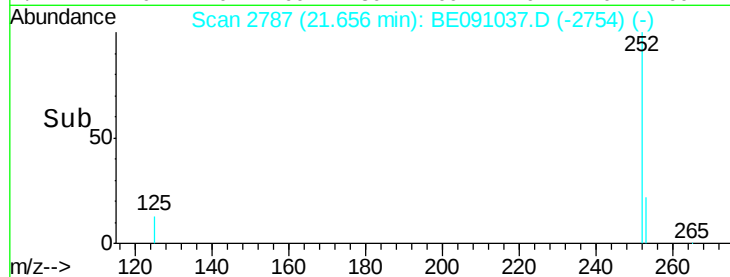
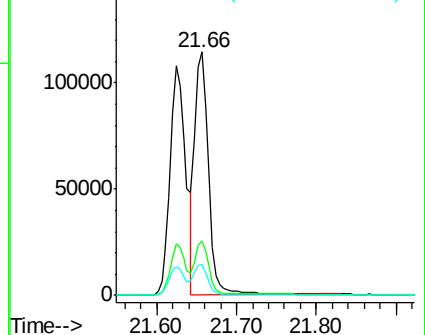
125 12.8 9.9 14.9



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: 4.22 ng

RT: 22.09 min Scan# 2883

Delta R.T. -0.05 min

Lab File: BE091037.D

Acq: 23 Oct 2015 17:21

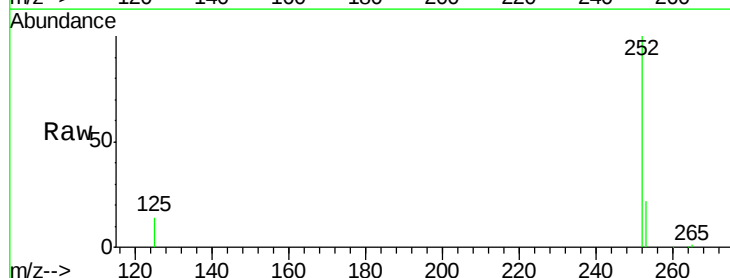
Tgt Ion:252 Resp: 131827

Ion Ratio Lower Upper

252 100

253 22.3 18.1 27.1

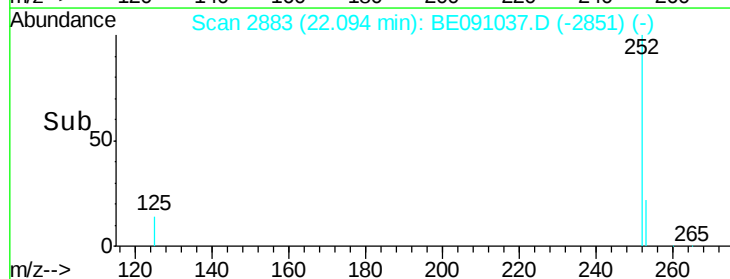
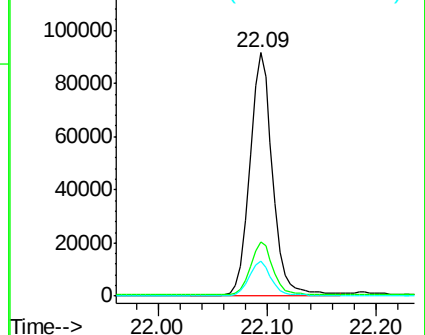
125 14.2 11.0 16.4

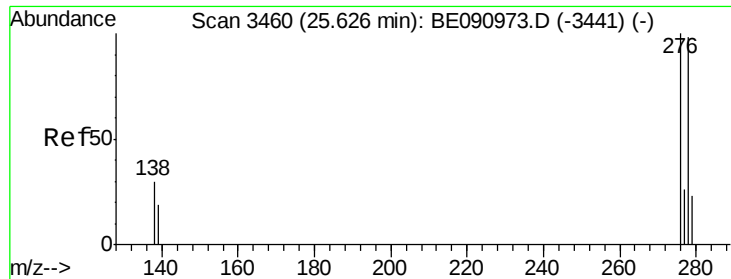


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 4.38 ng

RT: 23.79 min Scan# 3252

Delta R.T. -0.08 min

Lab File: BE091037.D

Acq: 23 Oct 2015 17:21

Instrument :

BNA_E

ClientSampleId :

PB86253BS

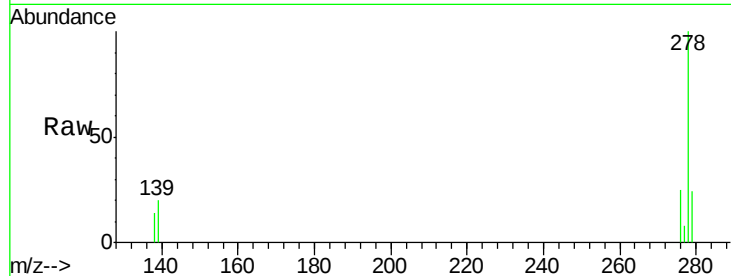
Tot Ion:278 Resp: 135192

Ion Ratio Lower Upper

278 100

139 19.5 16.0 24.0

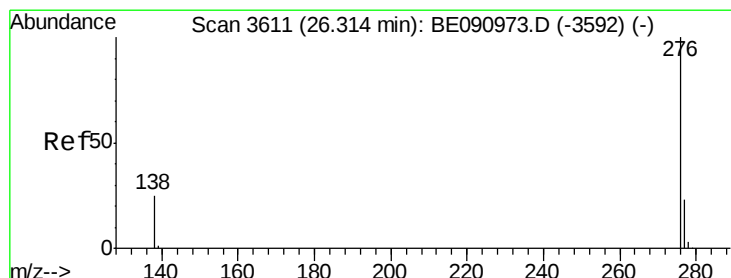
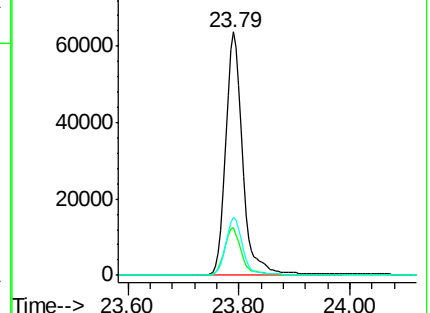
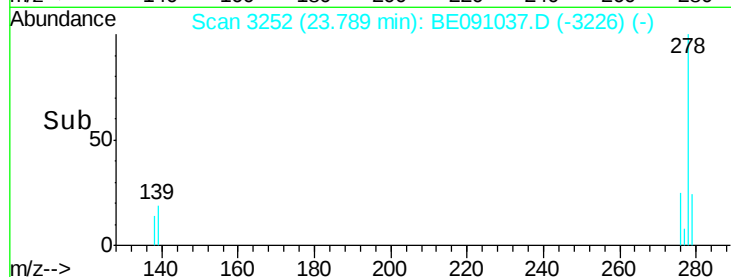
279 24.1 19.4 29.2



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: 4.23 ng

RT: 24.40 min Scan# 3385

Delta R.T. -0.09 min

Lab File: BE091037.D

Acq: 23 Oct 2015 17:21

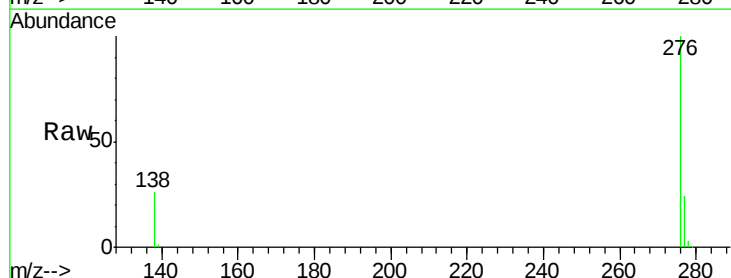
Tgt Ion:276 Resp: 142044

Ion Ratio Lower Upper

276 100

277 23.6 18.6 28.0

138 26.5 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

