

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE042016\
 Data File : BE091693.D
 Acq On : 20 Apr 2016 20:11
 Operator : UM/SJ
 Sample : PB89886BL
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB89886BS

Quant Time: Apr 21 04:06:10 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 20 18:55:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	40981	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	204702	5.00	ng	0.00
13) Acenaphthene-d10	14.42	164	125038	5.00	ng	0.00
19) Phenanthrene-d10	17.15	188	296729	5.00	ng	0.00
26) Chrysene-d12	21.31	240	308117	5.00	ng	0.00
35) Perylene-d12	23.75	264	297990	5.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	65486	7.22	ng	-0.02
5) Phenol-d6	6.95	99	99669	8.13	ng	-0.02
8) Nitrobenzene-d5	8.96	82	45689	4.19	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	36235	9.17	ng	-0.01
15) 2-Fluorobiphenyl	13.04	172	133878	3.87	ng	-0.01
29) Terphenyl-d14	19.76	244	204162	4.18	ng	0.00

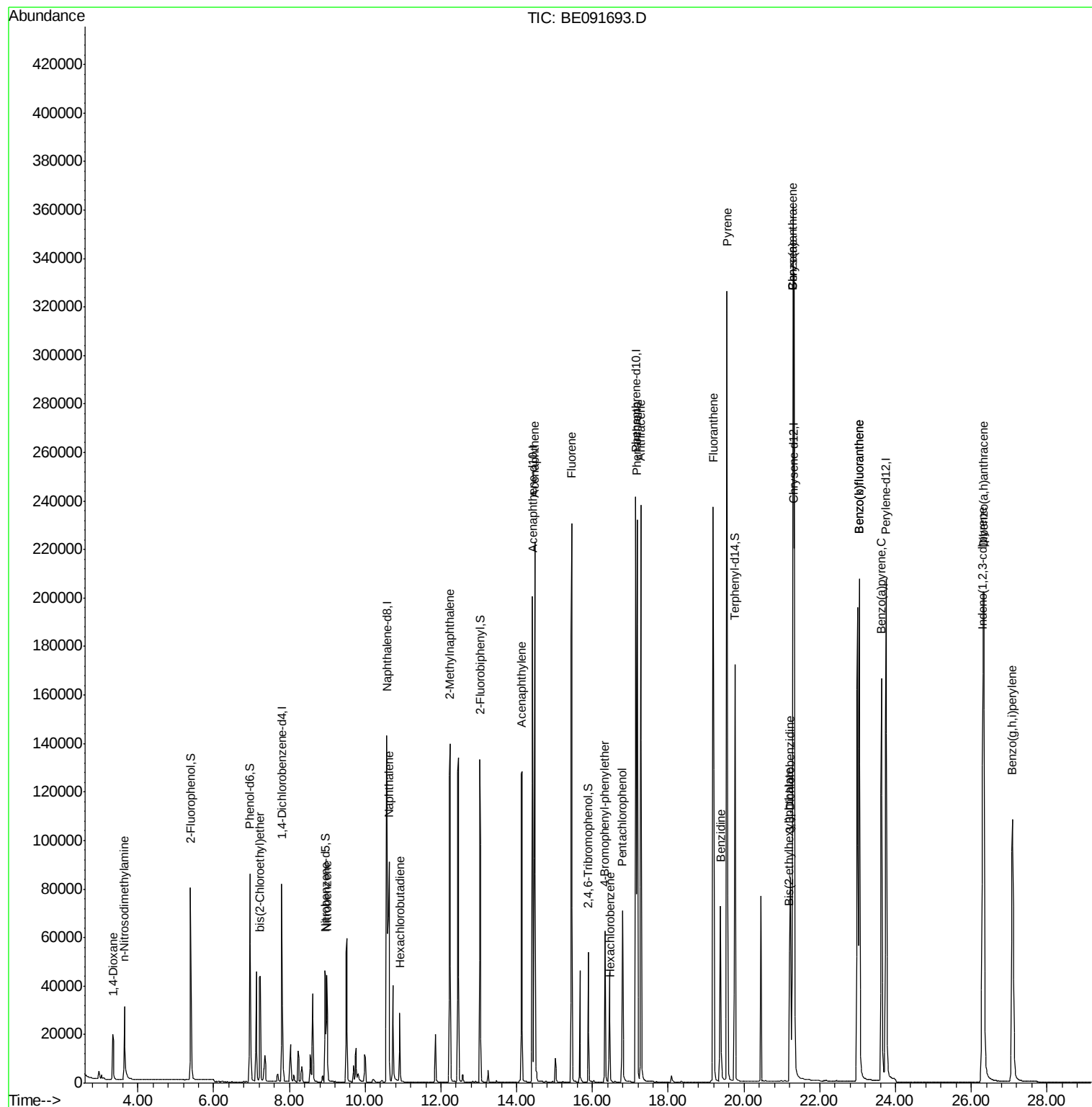
Target Compounds						Qvalue
2) 1,4-Dioxane	3.35	88	15673	3.60	ng	# 90
3) n-Nitrosodimethylamine	3.64	42	24146	4.10	ng	93
6) bis(2-Chloroethyl)ether	7.23	93	44071	4.00	ng	# 76
9) Nitrobenzene	8.99	77	49240	4.50	ng	93
10) Naphthalene	10.63	128	154577	3.70	ng	97
11) Hexachlorobutadiene	10.92	225	23864	4.00	ng	97
12) 2-Methylnaphthalene	12.24	142	111144	4.15	ng	91
16) Acenaphthylene	14.14	152	195387	3.91	ng	# 86
17) Acenaphthene	14.47	154	121974	3.96	ng	94
18) Fluorene	15.46	166	152115	3.99	ng	99
20) 4-Bromophenyl-phenylether	16.33	248	41780	4.13	ng	97
21) Hexachlorobenzene	16.46	284	44306	4.07	ng	98
22) Pentachlorophenol	16.79	266	45471	7.21	ng	89
23) Phenanthrene	17.18	178	268783	4.03	ng	99
24) Anthracene	17.28	178	258510	4.35	ng	98
25) Fluoranthene	19.19	202	290577	4.41	ng	98
27) Benzidine	19.38	184	97390	4.03	ng	# 76
28) Pyrene	19.55	202	324633	4.56	ng	98
30) Benzo(a)anthracene	21.29	228	299384	4.00	ng	94
31) 3,3'-Dichlorobenzidine	21.22	252	65060	1.69	ng	# 83
32) Chrysene	21.29	228	299346	3.67	ng	# 90
33) Bis(2-ethylhexyl)phthalate	21.20	149	86226	4.36	ng	# 89
34) Indeno(1,2,3-cd)pyrene	26.30	276	305348	4.18	ng	97
36) Benzo(b)fluoranthene	23.05	252	274502	3.84	ng	97
37) Benzo(k)fluoranthene	23.05	252	279791	3.98	ng	98
38) Benzo(a)pyrene	23.63	252	265033	4.29	ng	97
39) Dibenzo(a,h)anthracene	26.33	278	258058	4.07	ng	96
40) Benzo(g,h,i)perylene	27.09	276	260007	4.00	ng	96

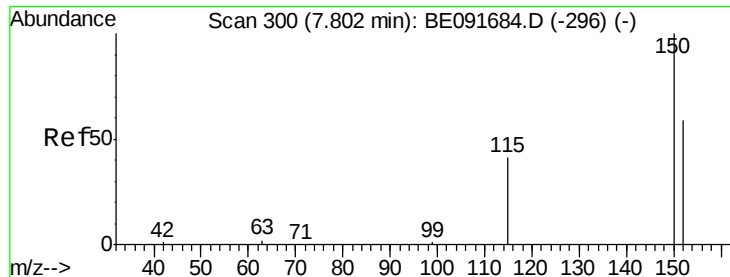
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. -0.00 min

Lab File: BE091693.D

Acq: 20 Apr 2016 20:11

Instrument :

BNA_E

ClientSampleId :

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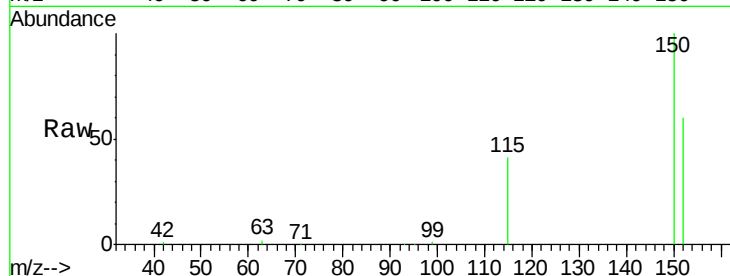
Tgt Ion:152 Resp: 40981

Ion Ratio Lower Upper

152 100

150 165.5 122.6 183.8

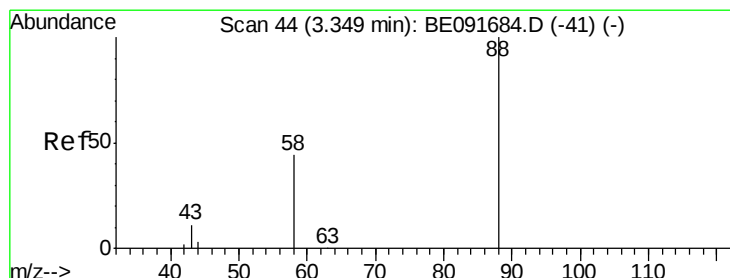
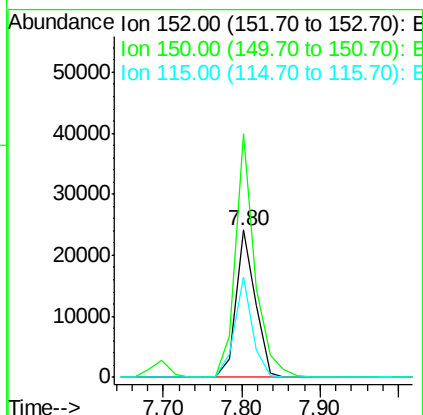
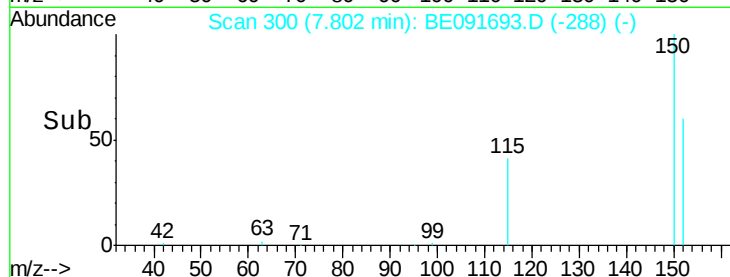
115 68.0 52.8 79.2



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: 3.60 ng

RT: 3.35 min Scan# 44

Delta R.T. -0.00 min

Lab File: BE091693.D

Acq: 20 Apr 2016 20:11

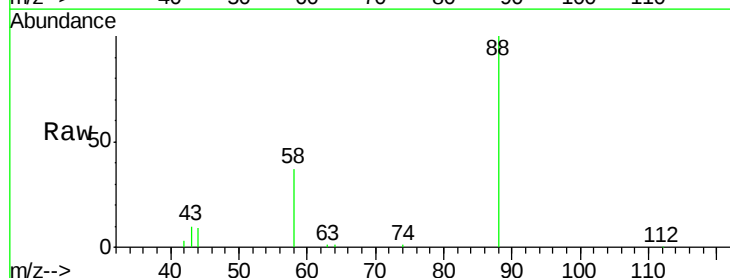
Tgt Ion: 88 Resp: 15673

Ion Ratio Lower Upper

88 100

58 89.7 65.8 98.6

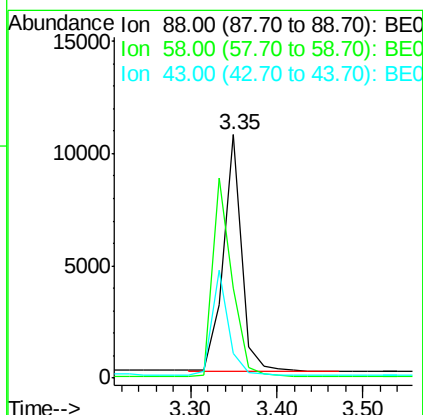
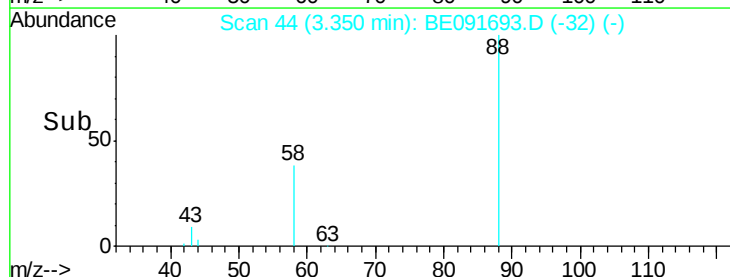
43 40.4 25.3 37.9#

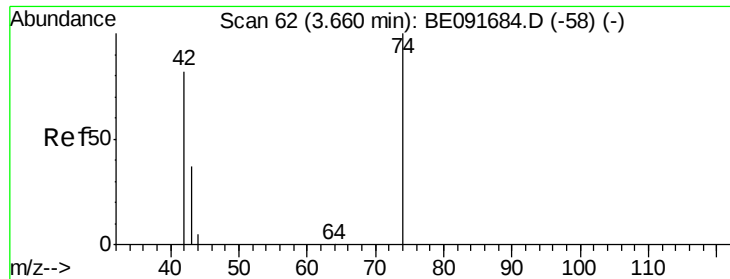


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 4.10 ng

RT: 3.64 min Scan# 61

Delta R.T. -0.02 min

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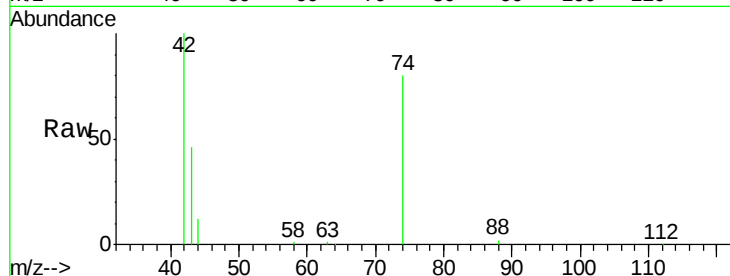
Tgt Ion: 42 Resp: 24146

Ion Ratio Lower Upper

42 100

74 102.7 87.9 131.9

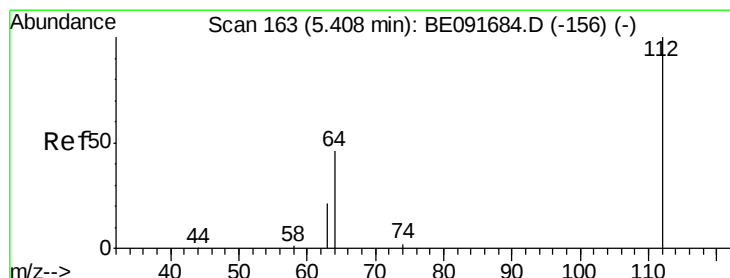
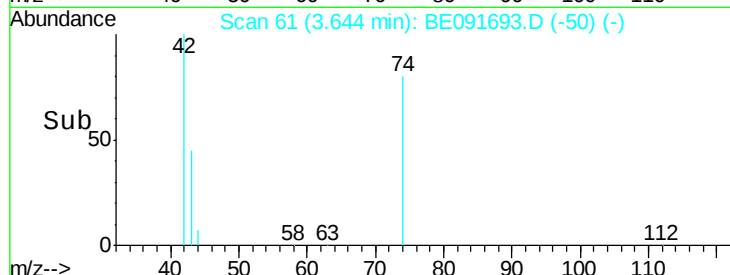
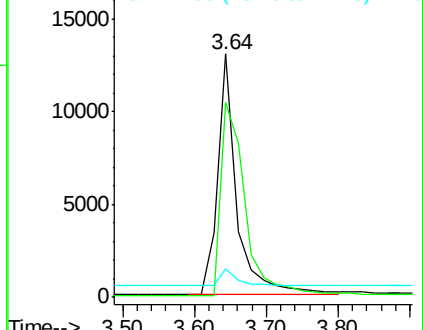
44 6.6 6.6 9.8



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: 7.22 ng

RT: 5.39 min Scan# 162

Delta R.T. -0.02 min

Lab File: BE091693.D

Acq: 20 Apr 2016 20:11

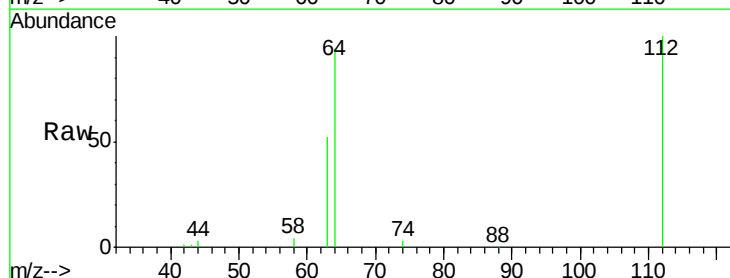
Tgt Ion: 112 Resp: 65486

Ion Ratio Lower Upper

112 100

64 69.0 30.9 46.3#

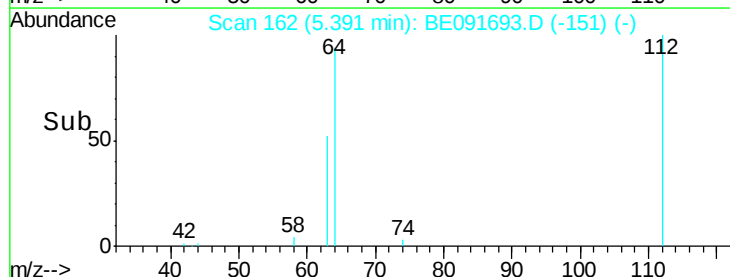
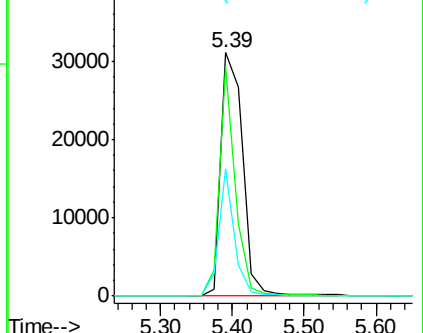
63 37.8 16.7 25.1#

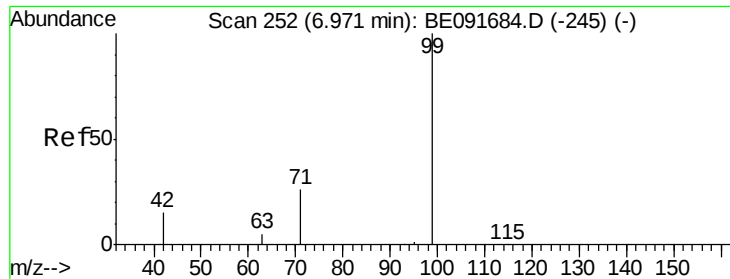


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 8.13 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.02 min

Lab File: BE091693.D

Acq: 20 Apr 2016 20:11

Instrument :

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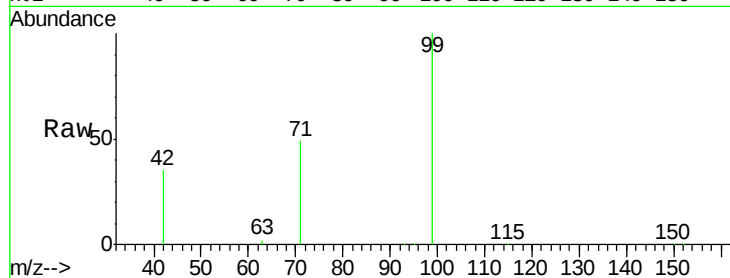
Tgt Ion: 99 Resp: 99669

Ion Ratio Lower Upper

99 100

42 26.6 16.2 24.2#

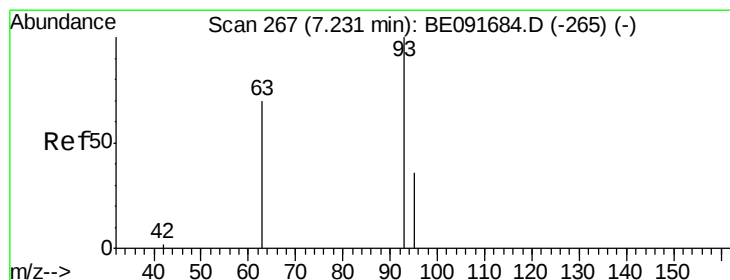
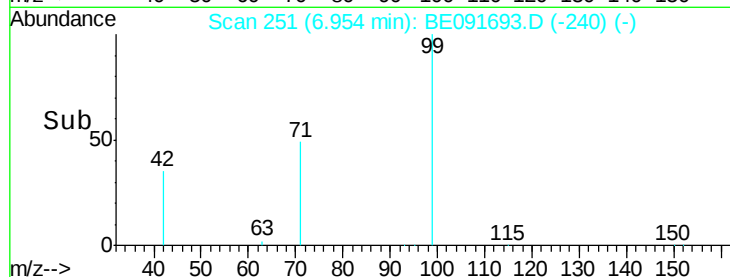
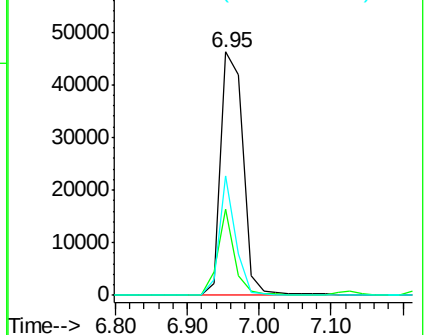
71 36.3 29.0 43.4



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: 4.00 ng

RT: 7.23 min Scan# 267

Delta R.T. -0.00 min

Lab File: BE091693.D

Acq: 20 Apr 2016 20:11

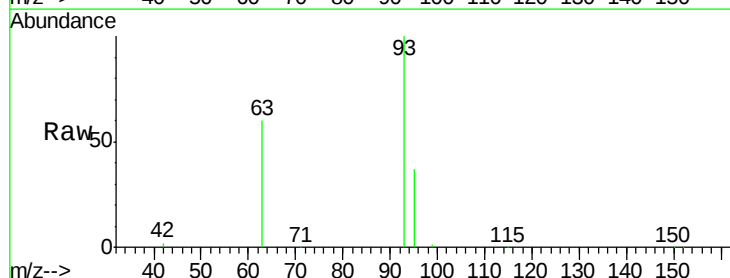
Tgt Ion: 93 Resp: 44071

Ion Ratio Lower Upper

93 100

63 85.3 49.5 74.3#

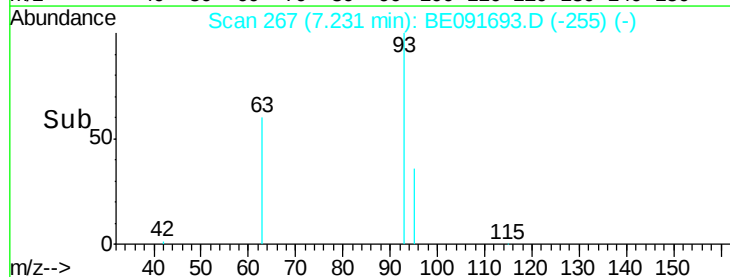
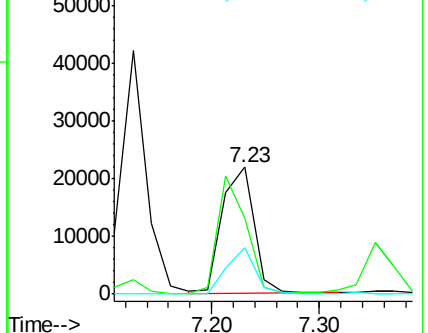
95 32.4 22.2 33.4

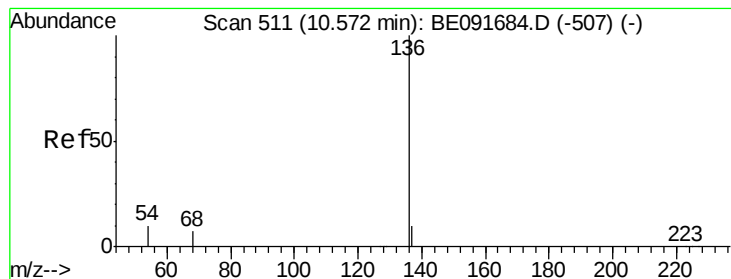


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.57 min Scan# 511

Delta R.T. -0.00 min

Lab File: BE091693.D

Acq: 20 Apr 2016 20:11

Instrument :

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ClientSampleId :

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Tgt Ion:136 Resp: 204702

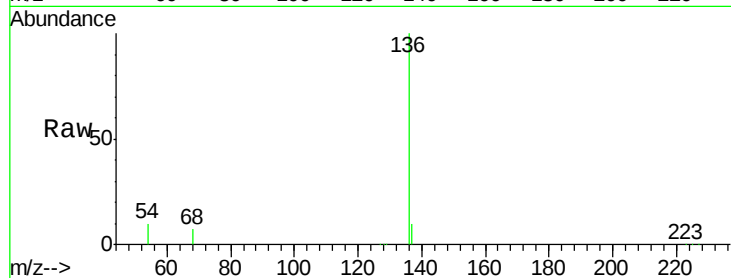
Ion Ratio Lower Upper

136 100

137 10.3 8.9 13.3

54 9.8 8.2 12.4

68 6.7 6.2 9.4

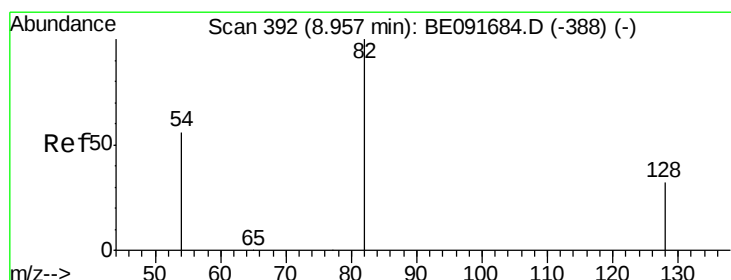
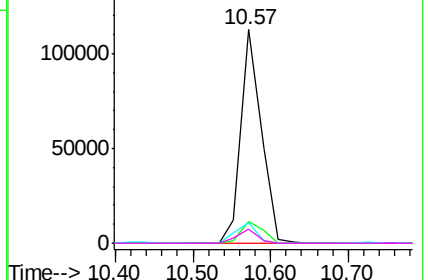
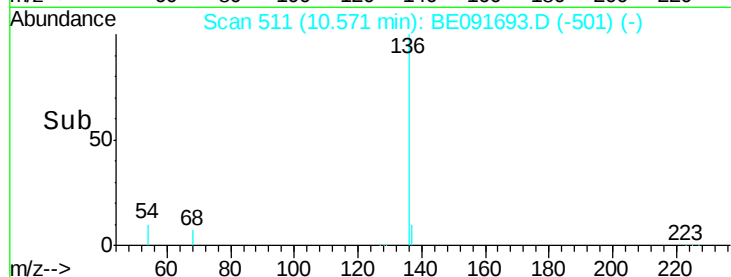


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.19 ng

RT: 8.96 min Scan# 392

Delta R.T. -0.00 min

Lab File: BE091693.D

Acq: 20 Apr 2016 20:11

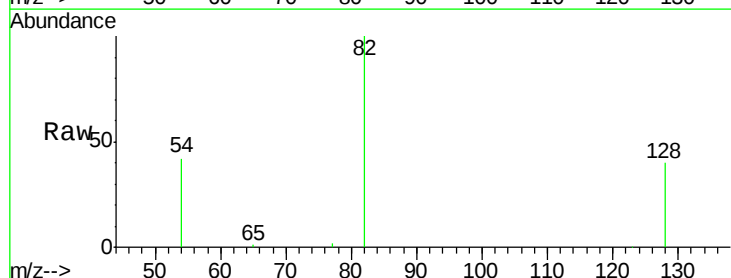
Tgt Ion: 82 Resp: 45689

Ion Ratio Lower Upper

82 100

128 40.4 25.4 38.0#

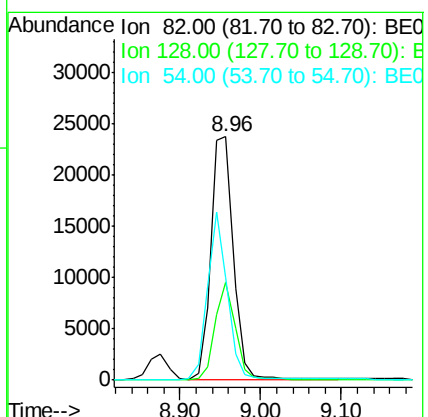
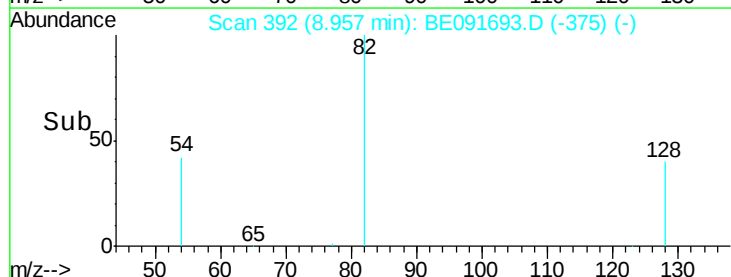
54 42.3 48.4 72.6#

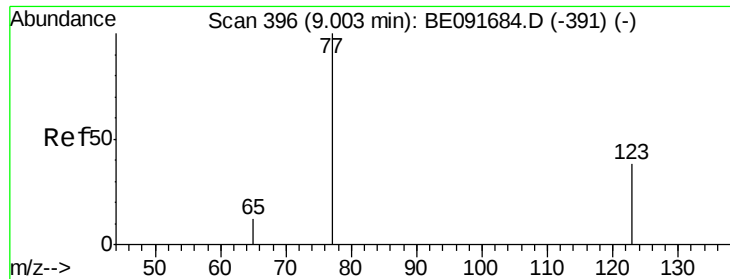


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 4.50 ng

RT: 8.99 min Scan# 395

Delta R.T. -0.01 min

Lab File: BE091693.D

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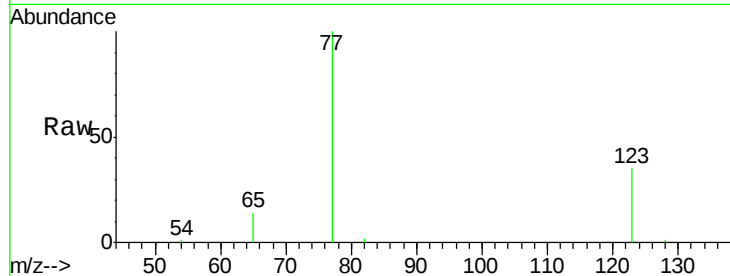
Tgt Ion: 77 Resp: 49240

Ion Ratio Lower Upper

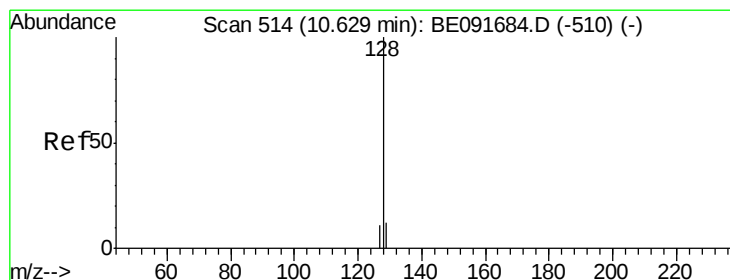
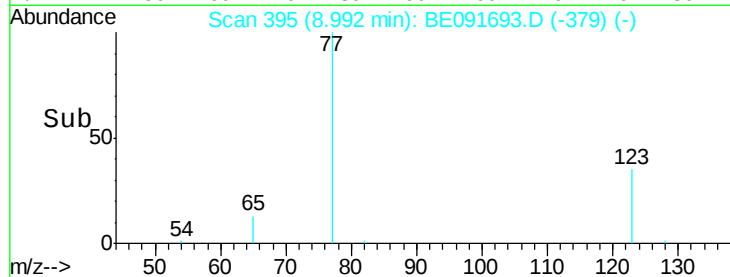
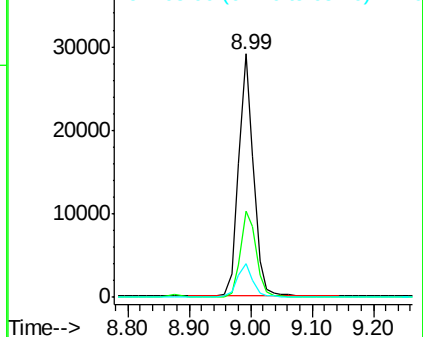
77 100

123 37.6 26.9 40.3

65 13.9 9.4 14.2



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



#10

Naphthalene

Concen: 3.70 ng

RT: 10.63 min Scan# 514

Delta R.T. -0.00 min

Lab File: BE091693.D

Acq: 20 Apr 2016 20:11

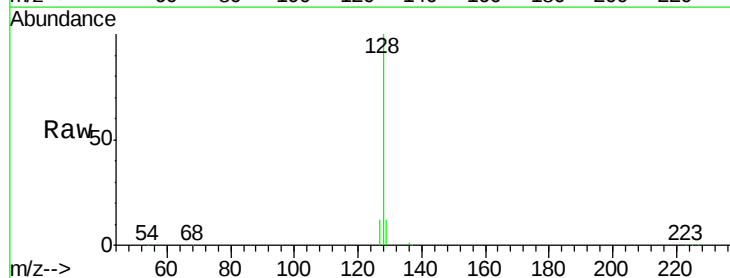
Tgt Ion: 128 Resp: 154577

Ion Ratio Lower Upper

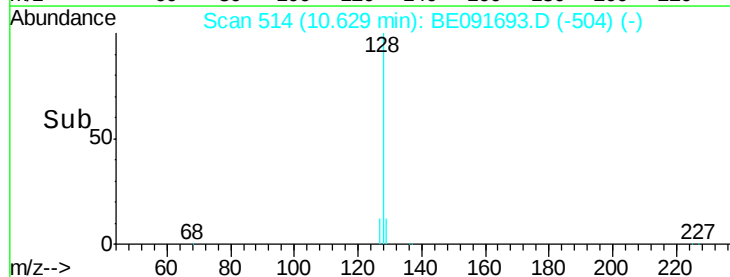
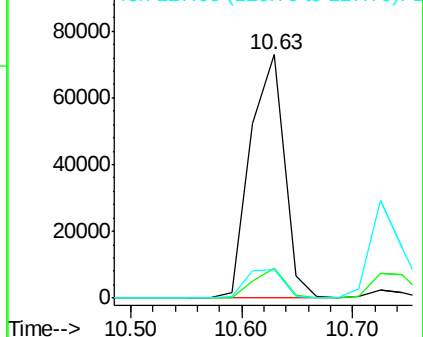
128 100

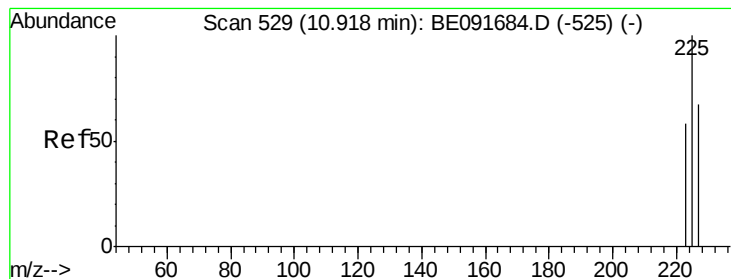
129 12.0 9.3 13.9

127 11.7 10.7 16.1



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





#11

Hexachlorobutadiene

Concen: 4.00 ng

RT: 10.92 min Scan# 529

Delta R.T. -0.00 min

Lab File: BE091693.D

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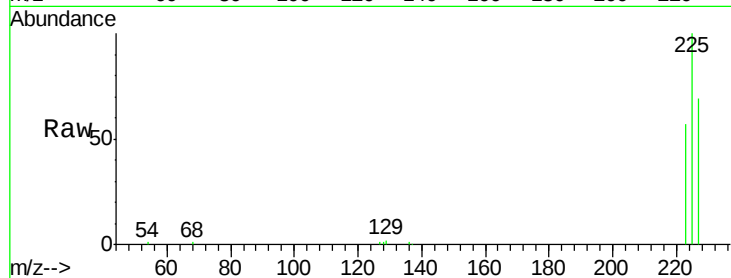
Tgt Ion:225 Resp: 23864

Ion Ratio Lower Upper

225 100

223 63.4 49.0 73.6

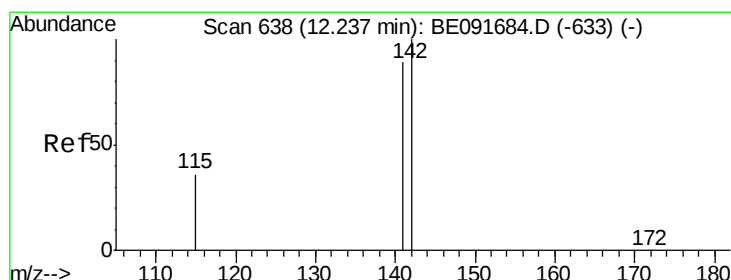
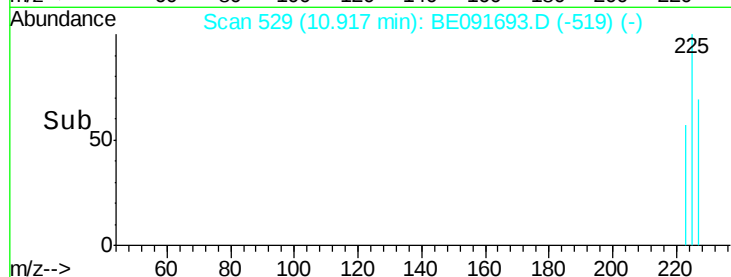
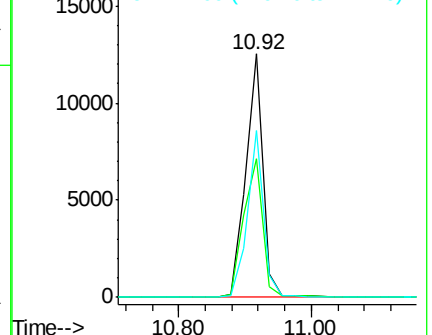
227 65.4 50.3 75.5



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: 12.24 min Scan# 638

Delta R.T. -0.00 min

Lab File: BE091693.D

Acq: 20 Apr 2016 20:11

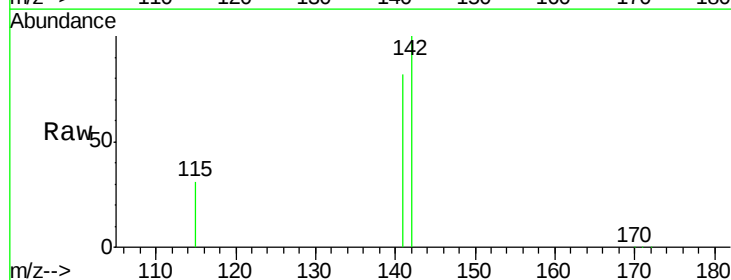
Tgt Ion:142 Resp: 111144

Ion Ratio Lower Upper

142 100

141 82.2 71.4 107.0

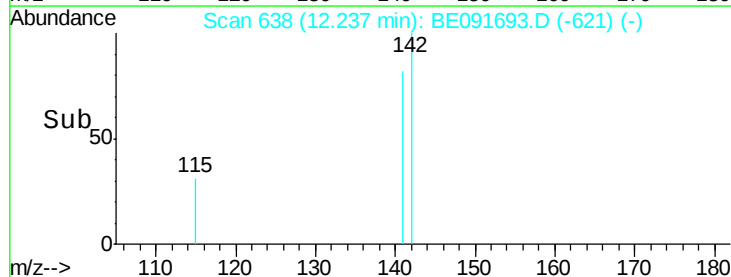
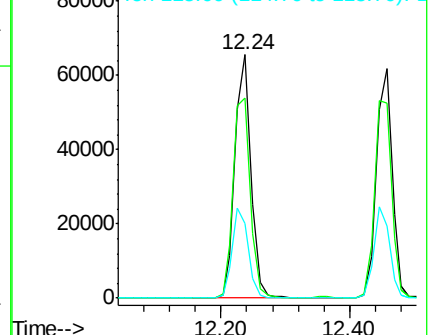
115 30.8 30.3 45.5

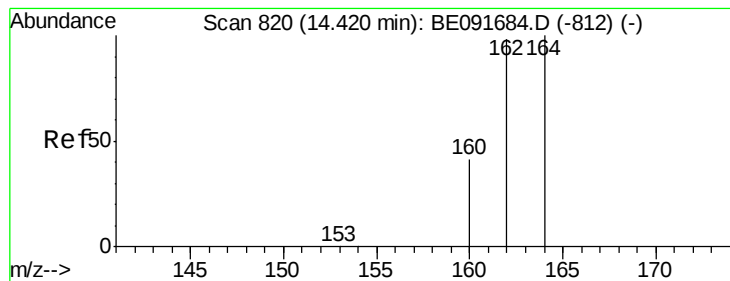


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.42 min Scan# 820

Delta R.T. -0.00 min

Lab File: BE091693.D

Acq: 20 Apr 2016 20:11

Instrument :

BNA_E

ClientSampleId :

PB89886BS

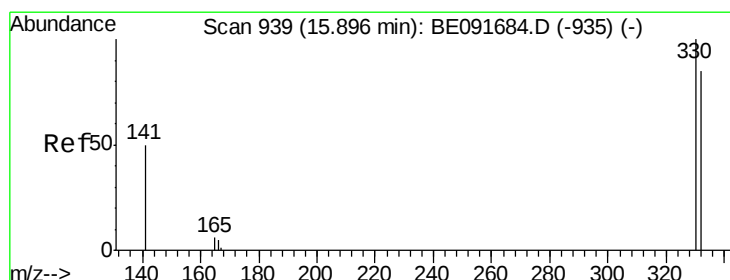
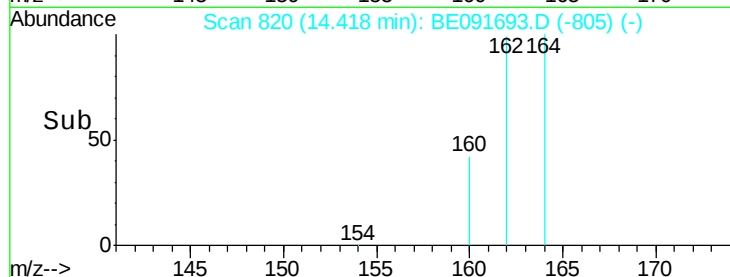
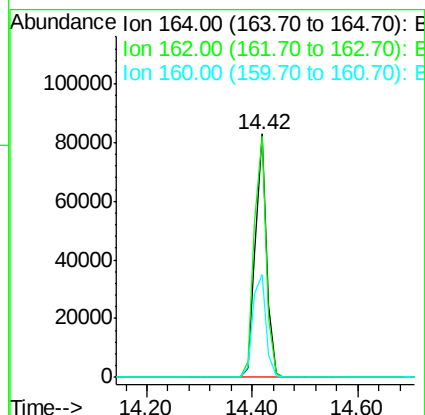
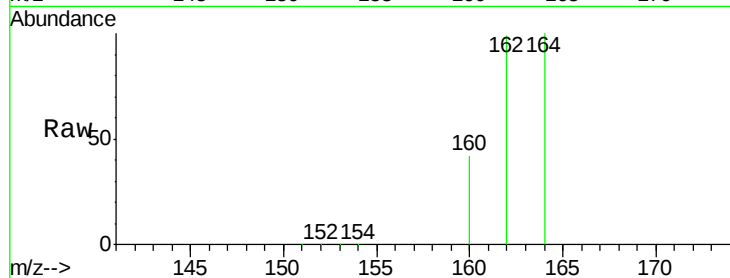
Tgt Ion:164 Resp: 125038

Ion Ratio Lower Upper

164 100

162 99.0 85.3 127.9

160 42.1 46.2 69.2#



#14

2,4,6-Tribromophenol

Concen: 9.17 ng

RT: 15.90 min Scan# 939

Delta R.T. -0.01 min

Lab File: BE091693.D

Acq: 20 Apr 2016 20:11

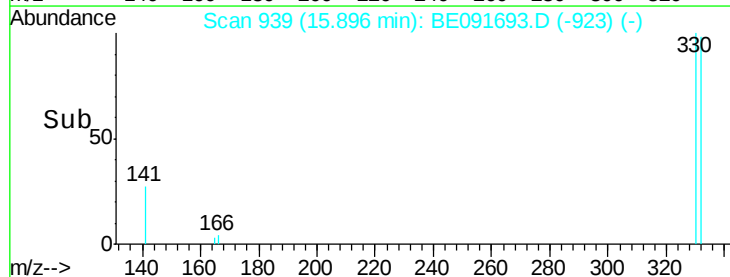
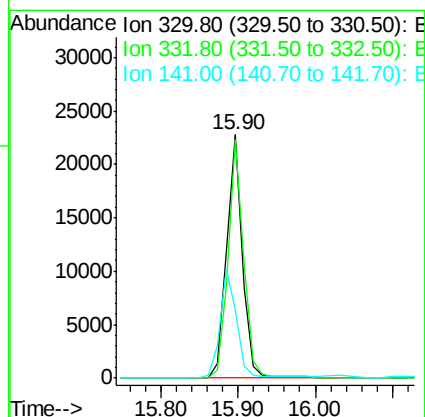
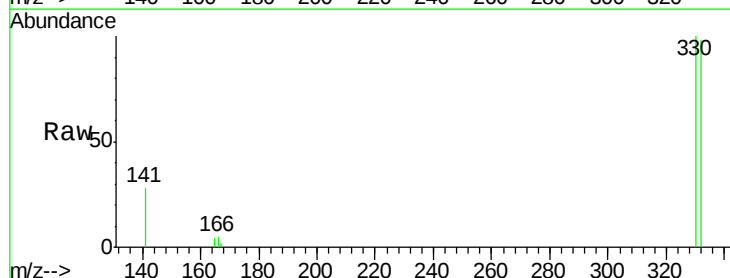
Tgt Ion:330 Resp: 36235

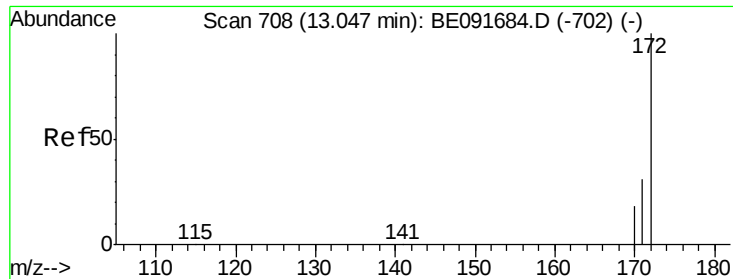
Ion Ratio Lower Upper

330 100

332 97.0 79.1 118.7

141 40.5 125.4 188.0#

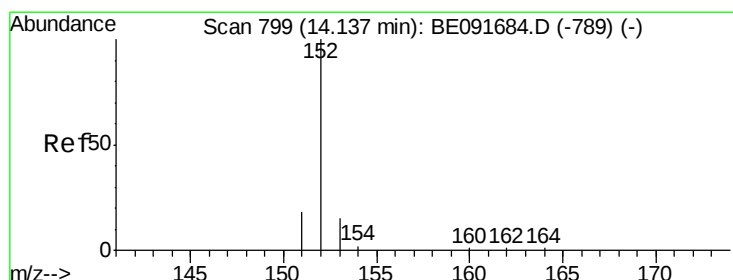
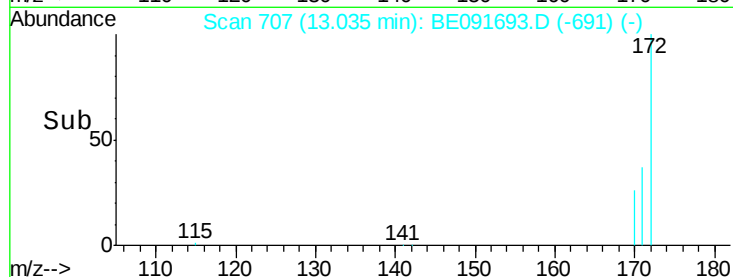
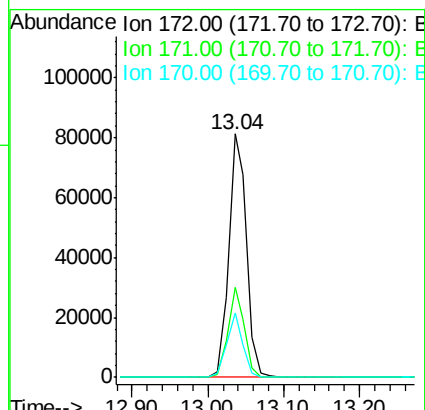
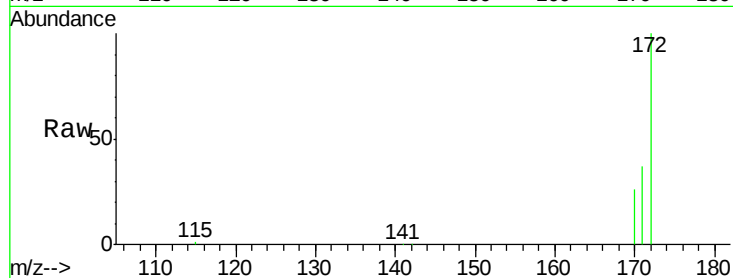




#15
2-Fluorobiphenyl
Concen: 3.87 ng
RT: 13.04 min Scan# 707
Delta R.T. -0.01 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

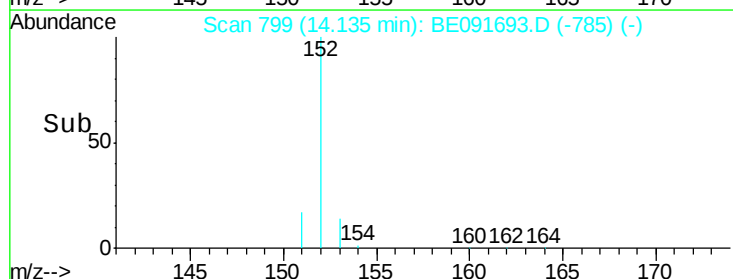
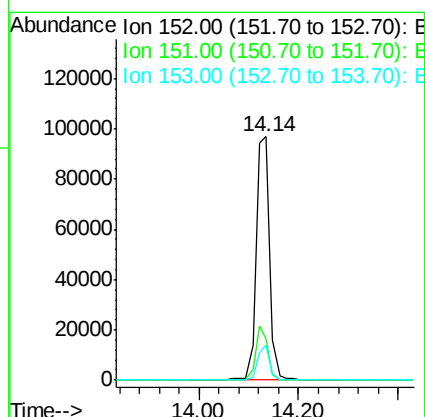
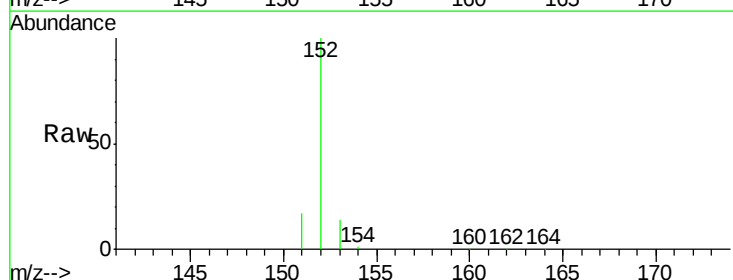
Instrument :
BNA_E
ClientSampleId :
PB89886BS

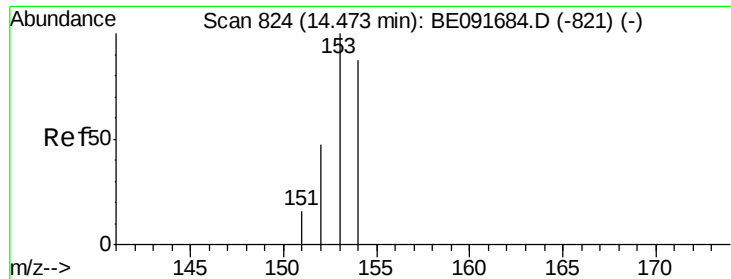
Tgt Ion:172 Resp: 133878
Ion Ratio Lower Upper
172 100
171 37.1 28.8 43.2
170 26.3 19.3 28.9



#16
Acenaphthylene
Concen: 3.91 ng
RT: 14.14 min Scan# 799
Delta R.T. -0.00 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Tgt Ion:152 Resp: 195387
Ion Ratio Lower Upper
152 100
151 20.1 3.9 5.9#
153 13.5 10.3 15.5

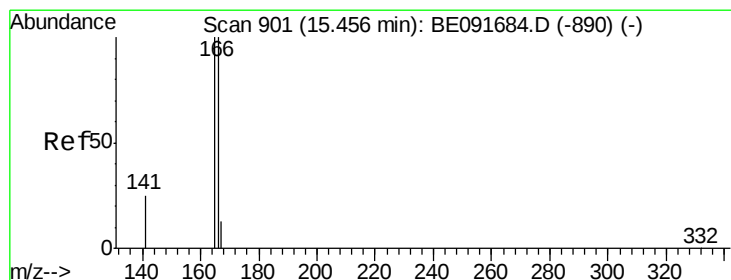
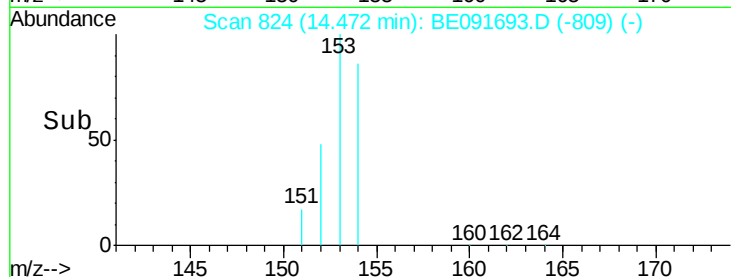
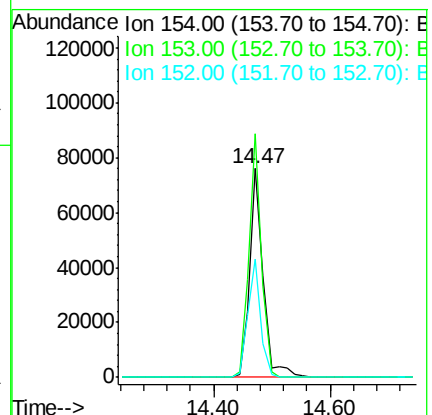
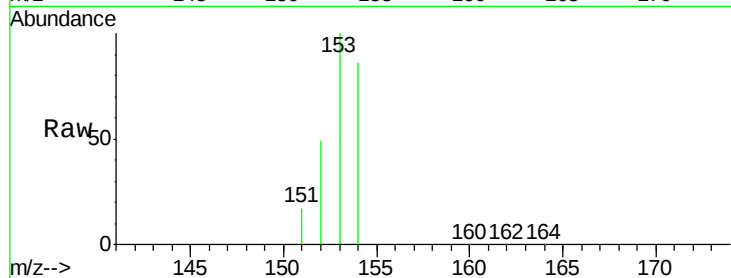




#17
Acenaphthene
Concen: 3.96 ng
RT: 14.47 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

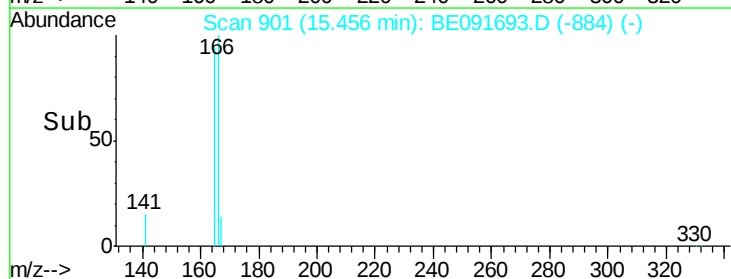
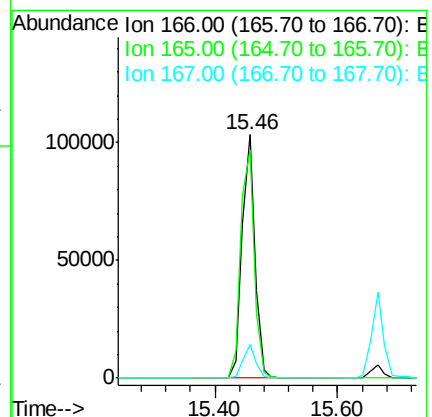
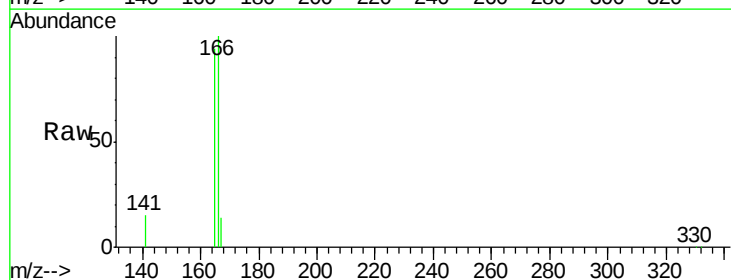
Instrument :
BNA_E
ClientSampleId :
PB89886BS

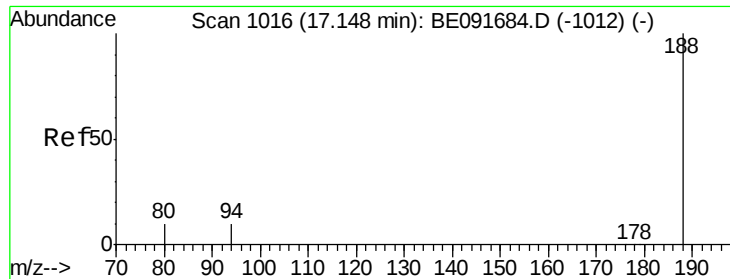
Tgt Ion:154 Resp: 121974
Ion Ratio Lower Upper
154 100
153 107.4 80.0 120.0
152 53.2 40.0 60.0



#18
Fluorene
Concen: 3.99 ng
RT: 15.46 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Tgt Ion:166 Resp: 152115
Ion Ratio Lower Upper
166 100
165 99.4 80.8 121.2
167 13.6 10.9 16.3

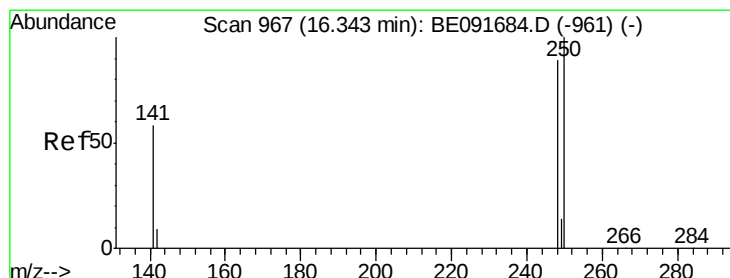
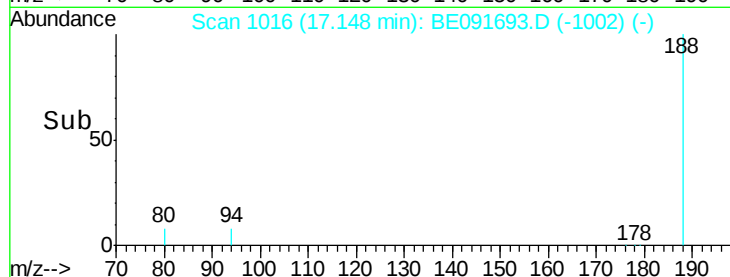
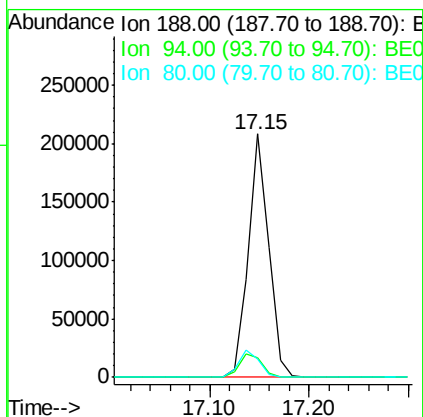
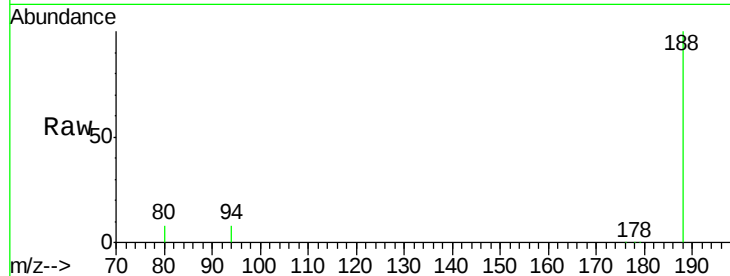




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

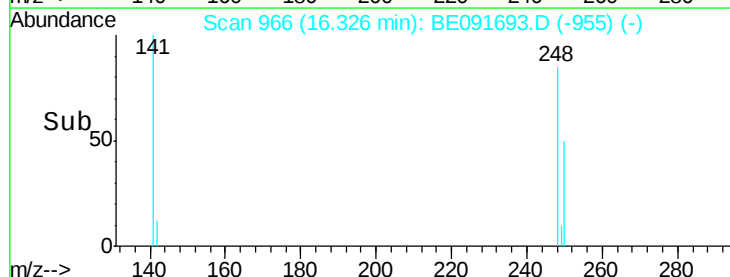
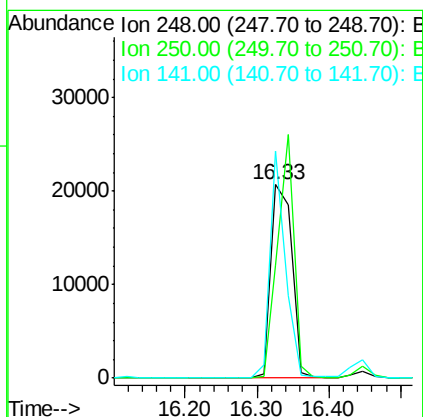
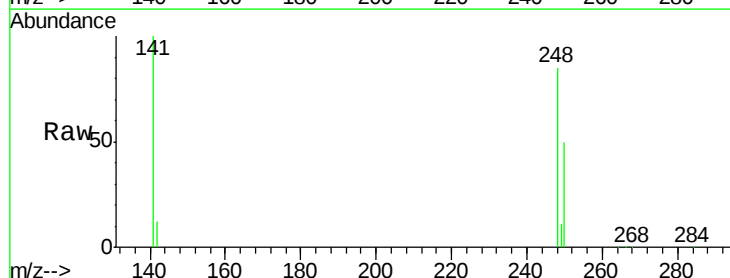
Instrument :
BNA_E
ClientSampleId :
PB89886BS

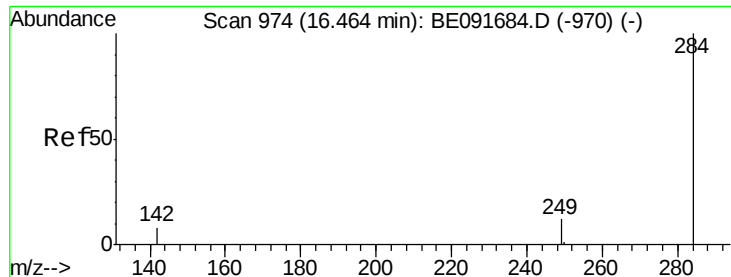
Tgt Ion:188 Resp: 296729
Ion Ratio Lower Upper
188 100
94 8.1 8.7 13.1#
80 7.6 9.4 14.0#



#20
4-Bromophenyl-phenylether
Concen: 4.13 ng
RT: 16.33 min Scan# 966
Delta R.T. -0.02 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Tgt Ion:248 Resp: 41780
Ion Ratio Lower Upper
248 100
250 98.2 80.5 120.7
141 85.8 72.0 108.0

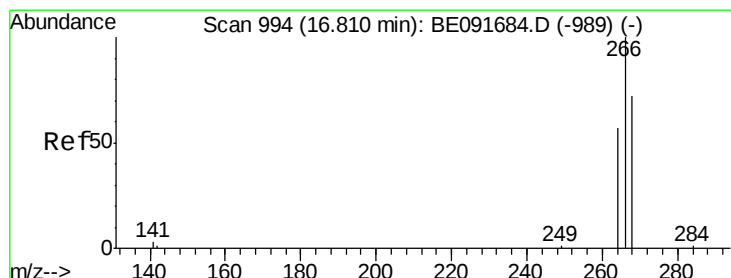
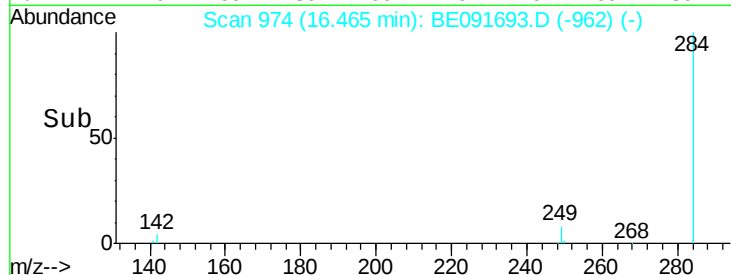
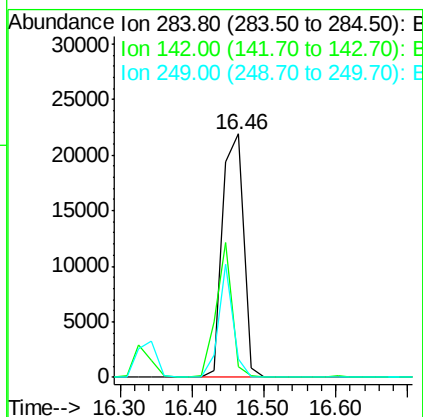
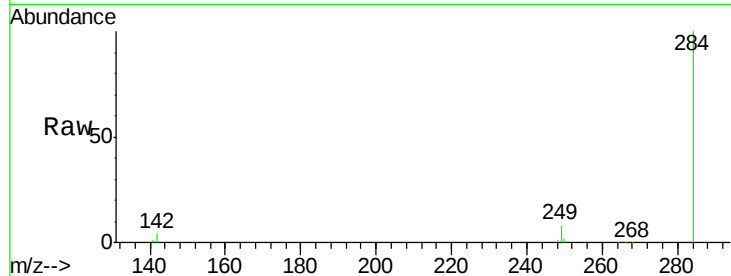




#21
Hexachlorobenzene
Concen: 4.07 ng
RT: 16.46 min Scan# 974
Delta R.T. -0.00 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

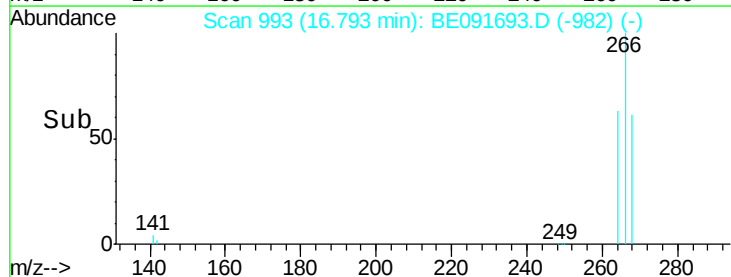
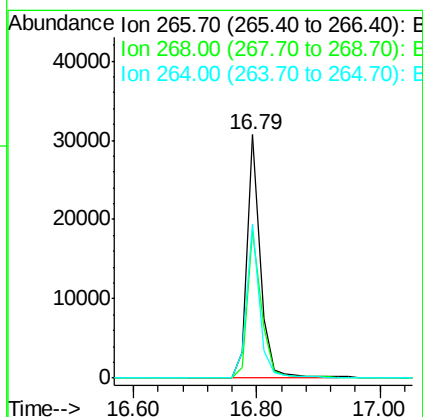
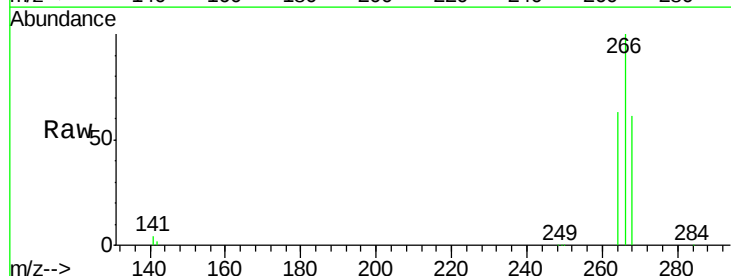
Instrument :
BNA_E
ClientSampleId :
PB89886BS

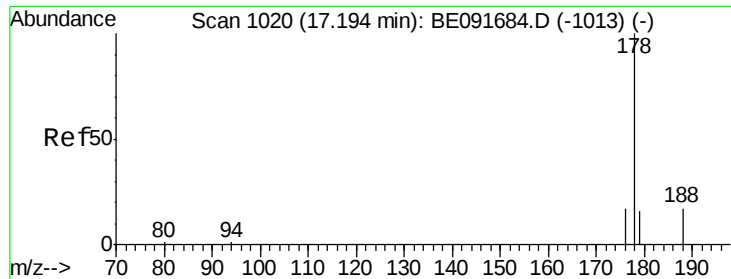
Tgt Ion: 284 Resp: 44306
Ion Ratio Lower Upper
284 100
142 42.1 32.2 48.2
249 32.2 25.4 38.2



#22
Pentachlorophenol
Concen: 7.21 ng
RT: 16.79 min Scan# 993
Delta R.T. -0.02 min
Lab File: BE091693.D
Acq: 20 Apr 2016 20:11

Tgt Ion: 266 Resp: 45471
Ion Ratio Lower Upper
266 100
268 60.6 58.2 87.2
264 63.4 56.2 84.4





#23

Phenanthrene

Concen: 4.03 ng

RT: 17.18 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BE091693.D

Acq: 20 Apr 2016 20:11

Instrument :

BNA_E

ClientSampleId :

PB89886BS

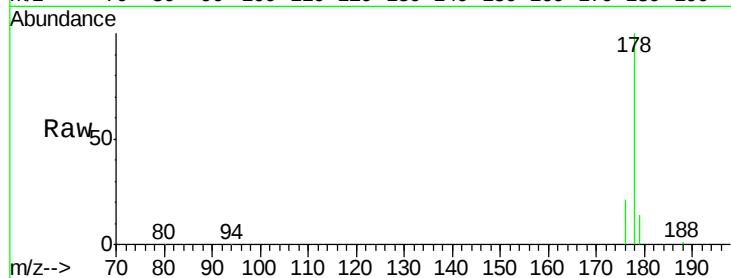
Tgt Ion:178 Resp: 268783

Ion Ratio Lower Upper

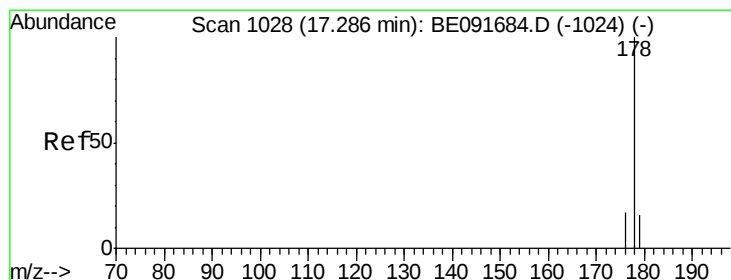
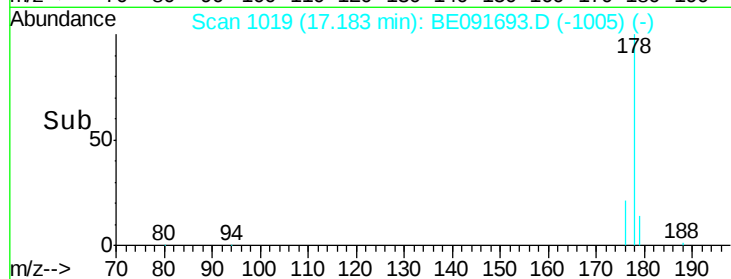
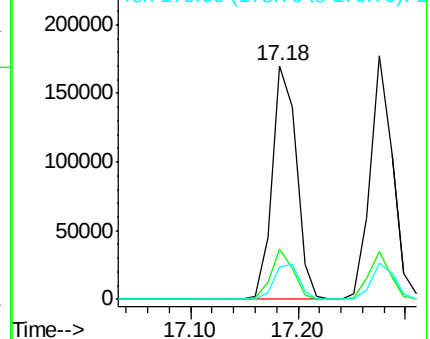
178 100

176 19.7 15.3 22.9

179 15.6 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: 4.35 ng

RT: 17.28 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BE091693.D

Acq: 20 Apr 2016 20:11

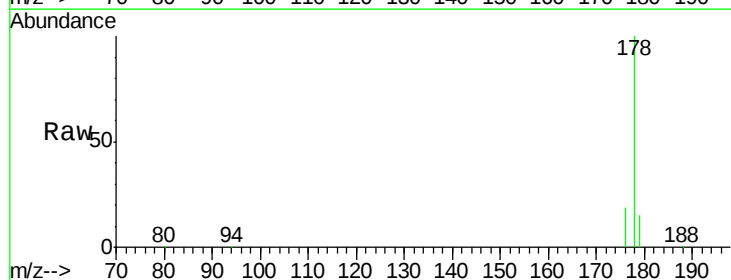
Tgt Ion:178 Resp: 258510

Ion Ratio Lower Upper

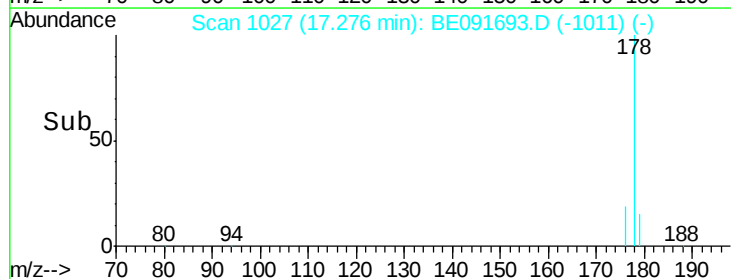
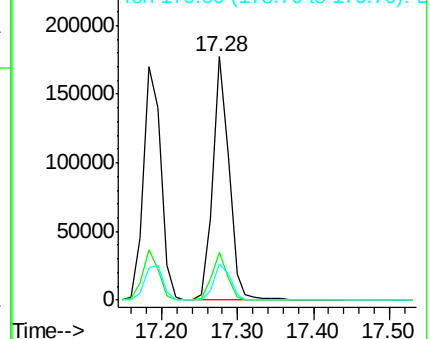
178 100

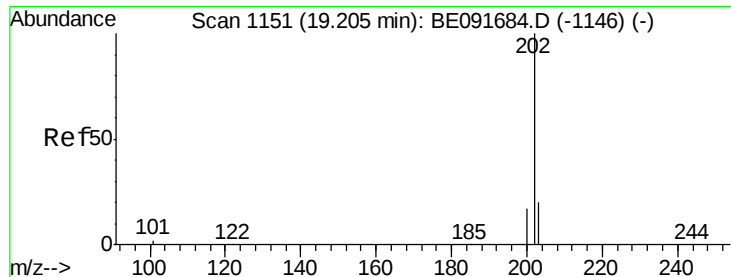
176 19.0 14.6 21.8

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: 4.41 ng

RT: 19.19 min Scan# 1150

Delta R.T. -0.02 min

Lab File: BE091693.D

Acq: 20 Apr 2016 20:11

Instrument :

BNA_E

ClientSampleId :

PB89886BS

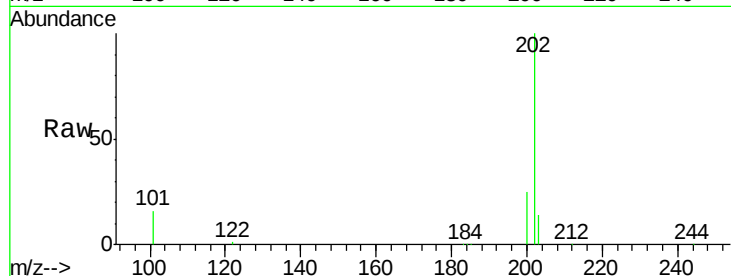
Tgt Ion: 202 Resp: 290577

Ion Ratio Lower Upper

202 100

101 12.1 11.0 16.6

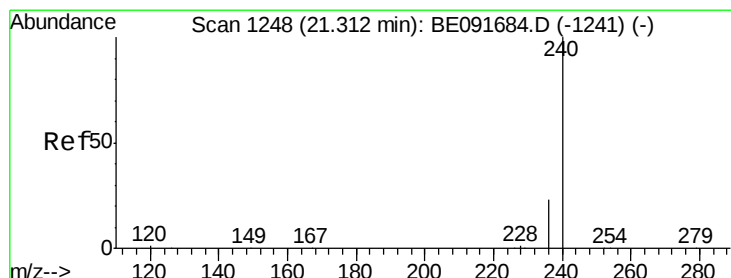
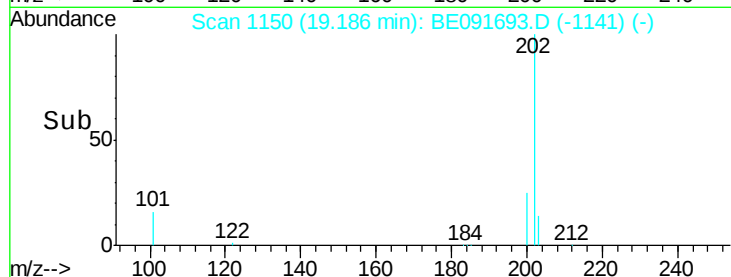
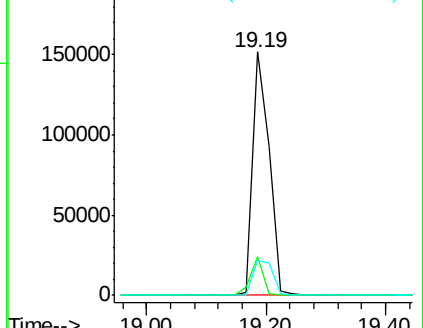
203 17.5 13.9 20.9



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: 21.31 min Scan# 1248

Delta R.T. -0.00 min

Lab File: BE091693.D

Acq: 20 Apr 2016 20:11

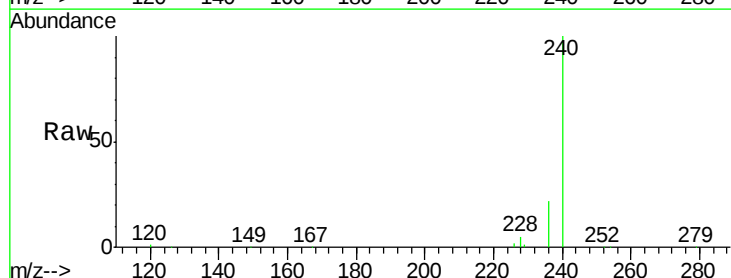
Tgt Ion: 240 Resp: 308117

Ion Ratio Lower Upper

240 100

120 0.9 11.0 16.4#

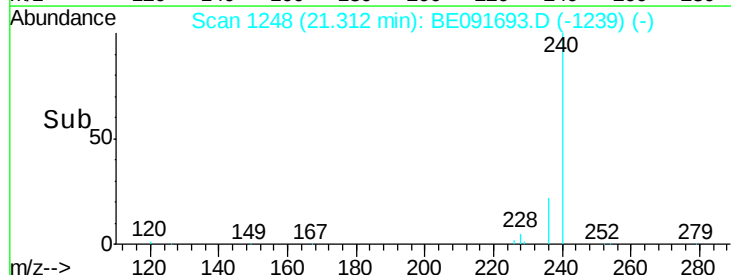
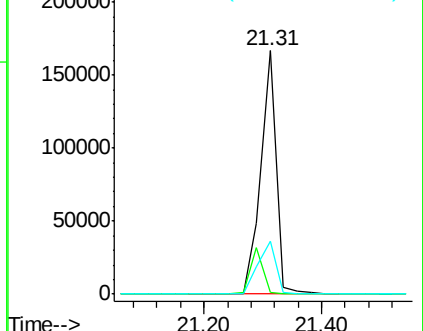
236 22.0 21.7 32.5

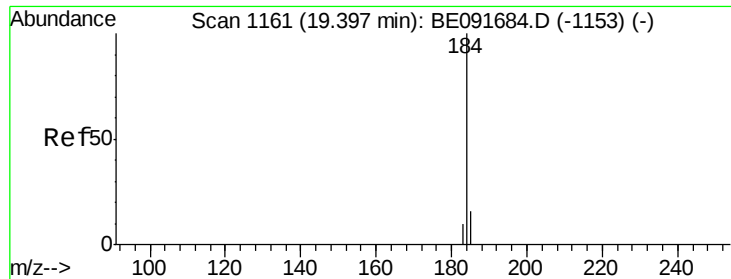


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 4.03 ng

RT: 19.38 min Scan# 1160

Delta R.T. -0.02 min

Lab File: BE091693.D

Acq: 20 Apr 2016 20:11

Instrument :

BNA_E

ClientSampleId :

PB89886BS

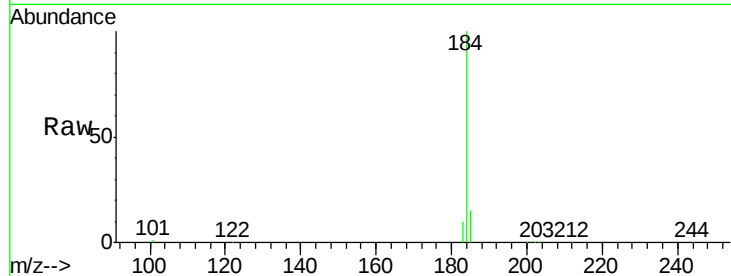
Tgt Ion:184 Resp: 97390

Ion Ratio Lower Upper

184 100

185 14.7 22.3 33.5#

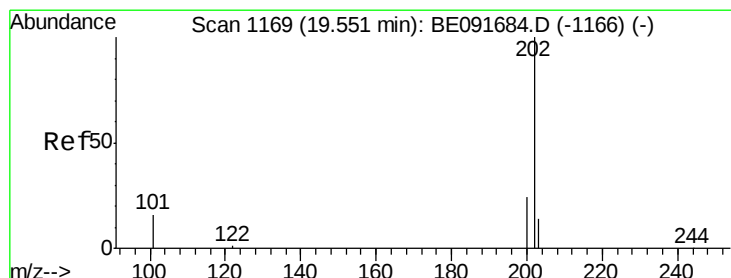
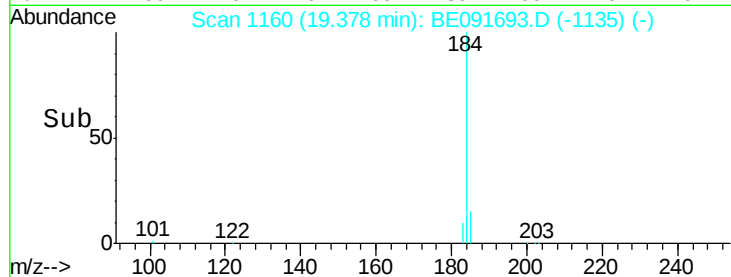
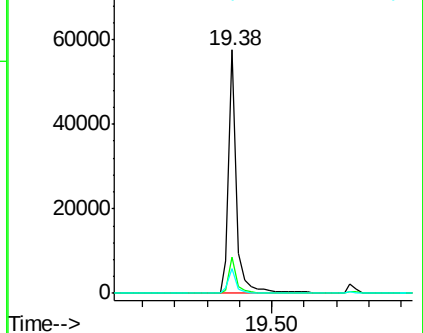
183 10.1 16.4 24.6#



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: 4.56 ng

RT: 19.55 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BE091693.D

Acq: 20 Apr 2016 20:11

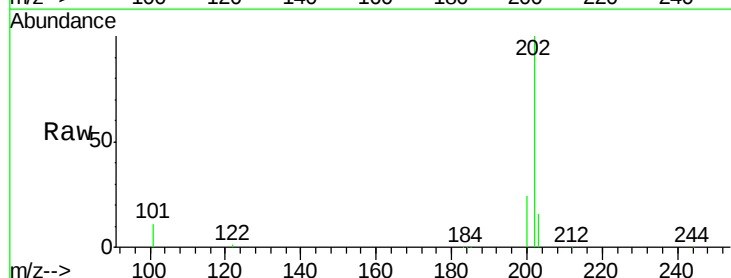
Tgt Ion:202 Resp: 324633

Ion Ratio Lower Upper

202 100

200 22.1 16.8 25.2

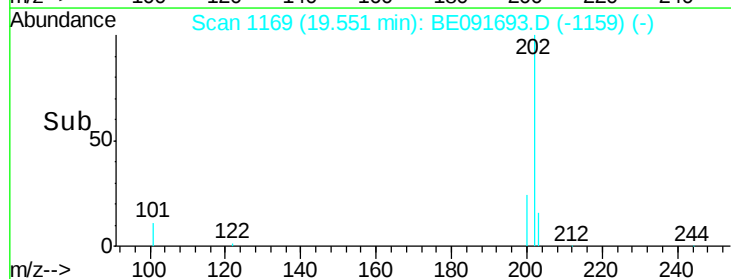
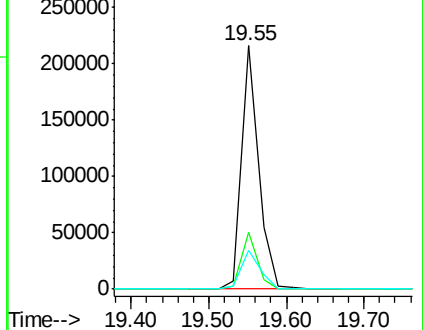
203 17.8 14.0 21.0

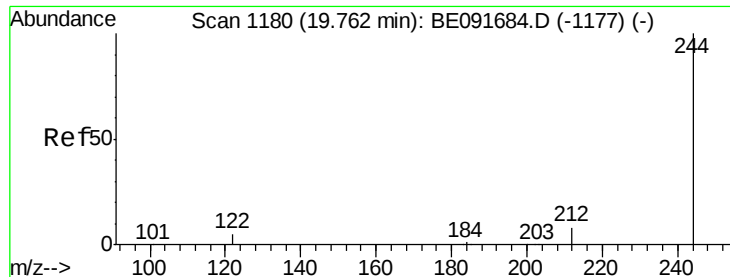


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 4.18 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091693.D

Acq: 20 Apr 2016 20:11

Instrument :

BNA_E

ClientSampleId :

PB89886BS

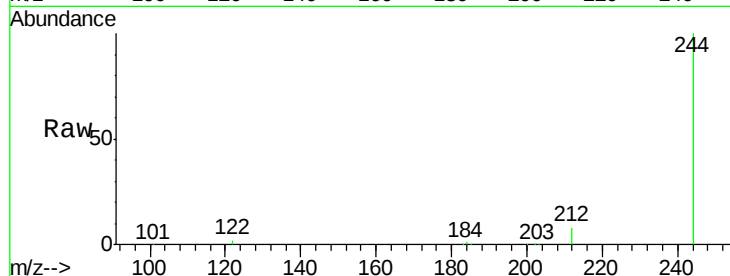
Tgt Ion:244 Resp: 204162

Ion Ratio Lower Upper

244 100

212 7.8 6.9 10.3

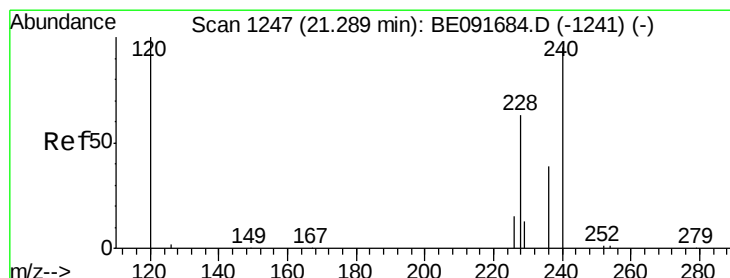
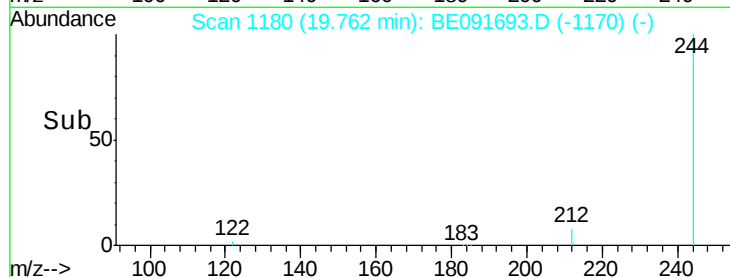
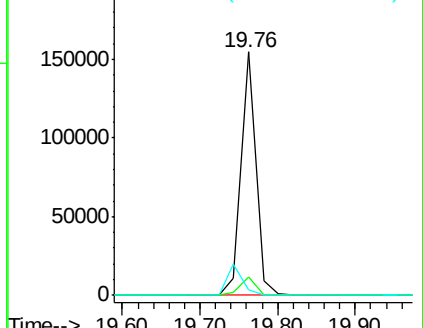
122 2.0 11.0 16.4#



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: 4.00 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.00 min

Lab File: BE091693.D

Acq: 20 Apr 2016 20:11

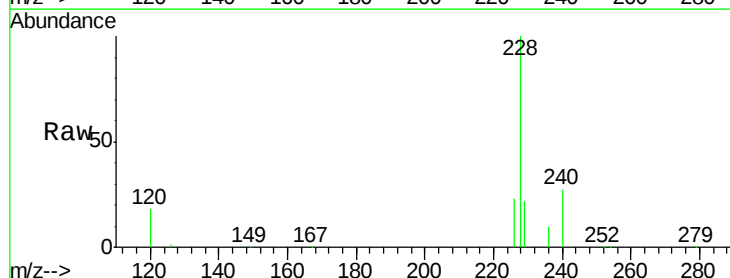
Tgt Ion:228 Resp: 299384

Ion Ratio Lower Upper

228 100

226 23.1 21.0 31.4

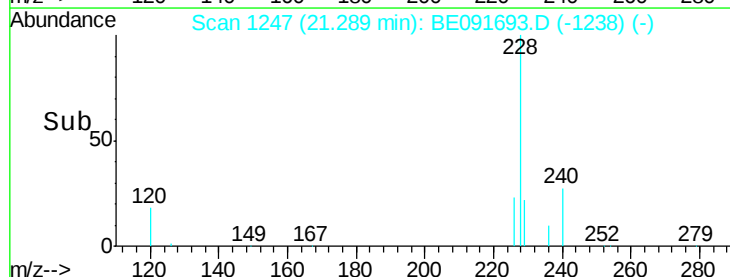
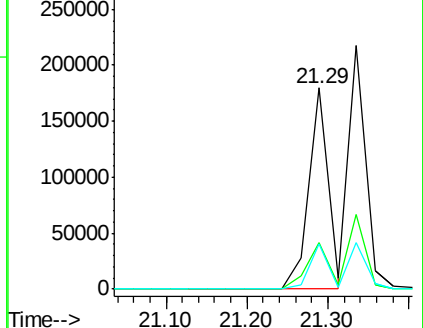
229 22.2 15.7 23.5

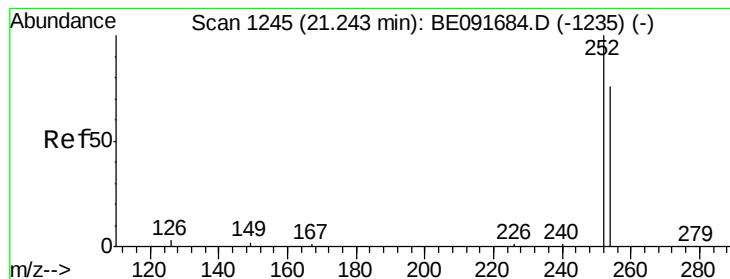


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

3,3'-Dichlorobenzidine

Concen: 1.69 ng

RT: 21.22 min Scan# 1244

Delta R.T. -0.02 min

Lab File: BE091693.D

Acq: 20 Apr 2016 20:11

Instrument :

BNA_E

ClientSampleId :

PB89886BS

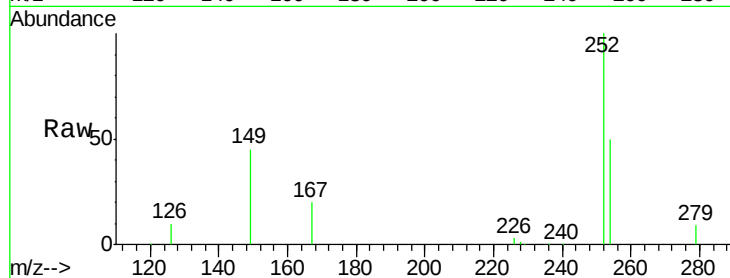
Tgt Ion:252 Resp: 65060

Ion Ratio Lower Upper

252 100

254 49.6 51.1 76.7#

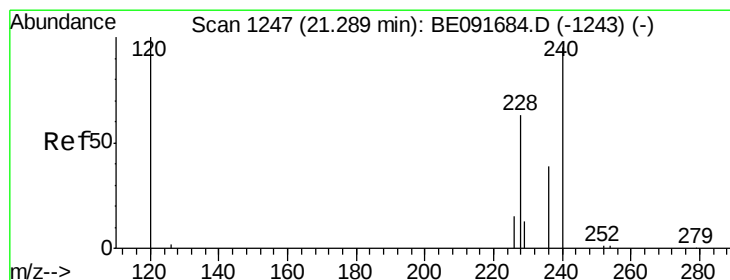
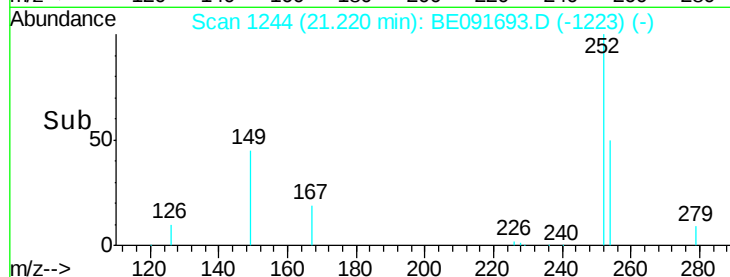
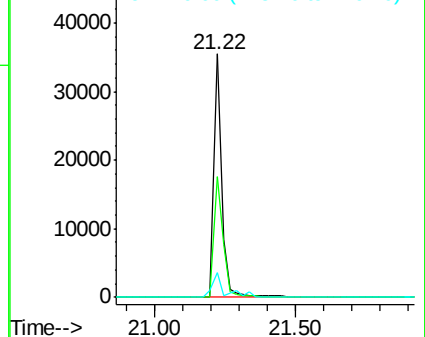
126 10.2 12.6 18.8#



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: 3.67 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.05 min

Lab File: BE091693.D

Acq: 20 Apr 2016 20:11

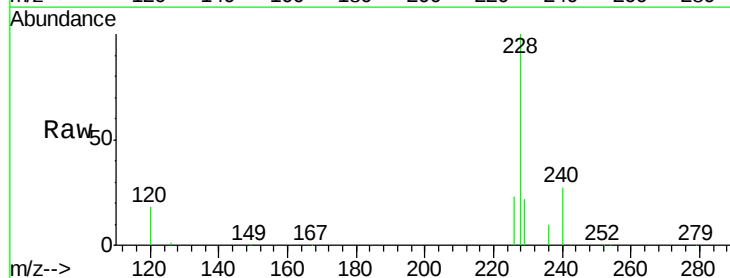
Tgt Ion:228 Resp: 299346

Ion Ratio Lower Upper

228 100

226 23.1 24.0 36.0#

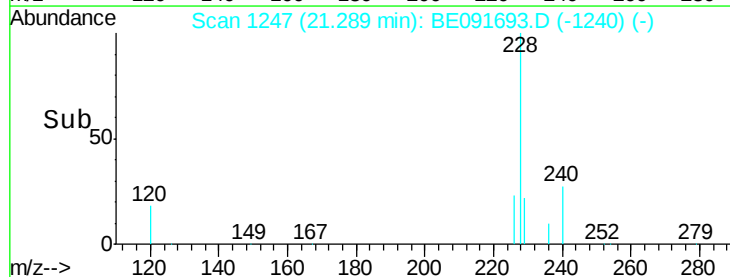
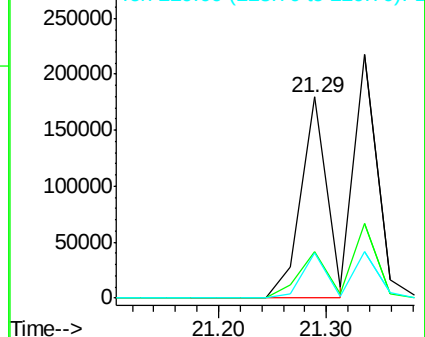
229 22.2 15.9 23.9

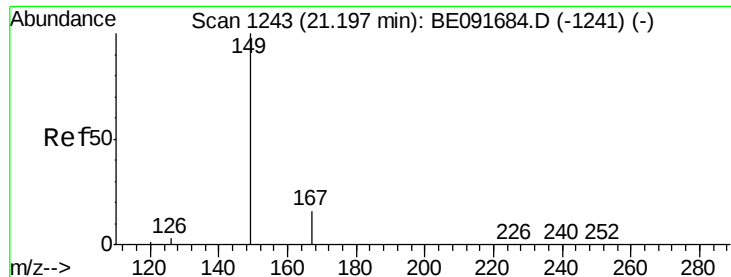


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

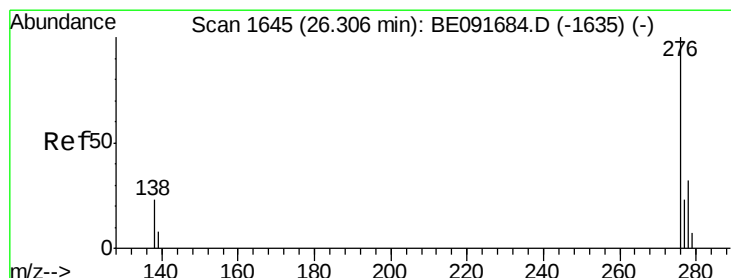
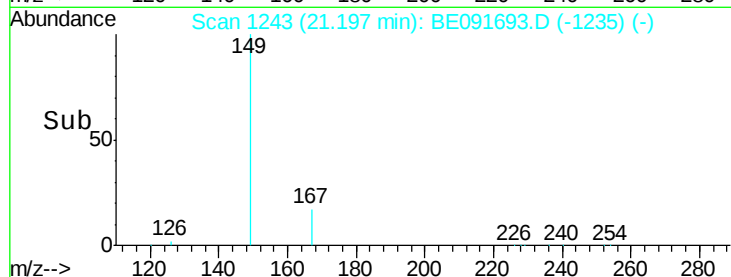
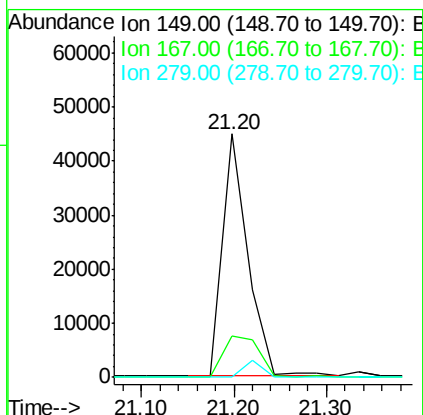
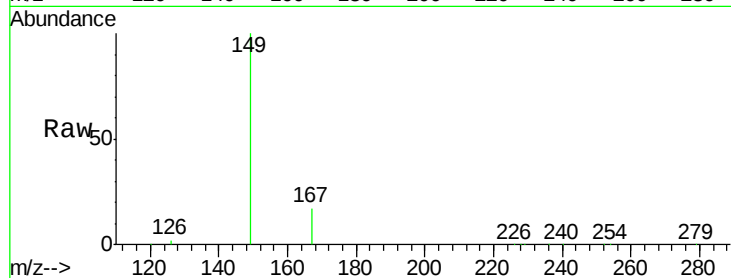




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 4.36 ng
 RT: 21.20 min Scan# 1243
 Delta R.T. -0.02 min
 Lab File: BE091693.D
 Acq: 20 Apr 2016 20:11

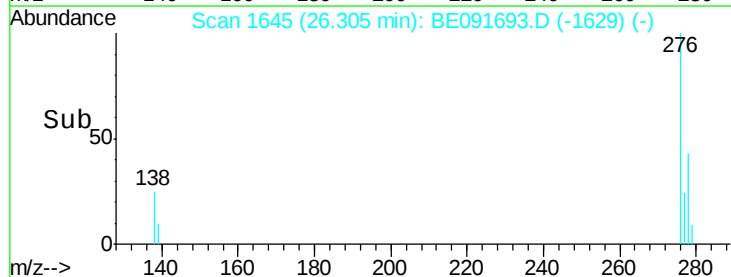
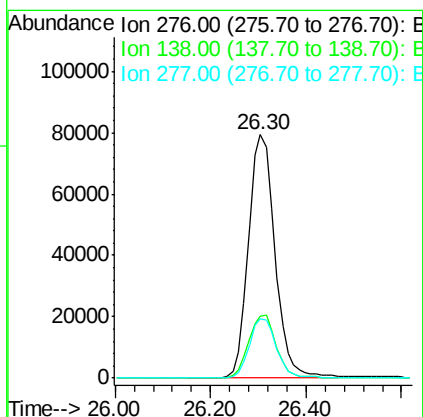
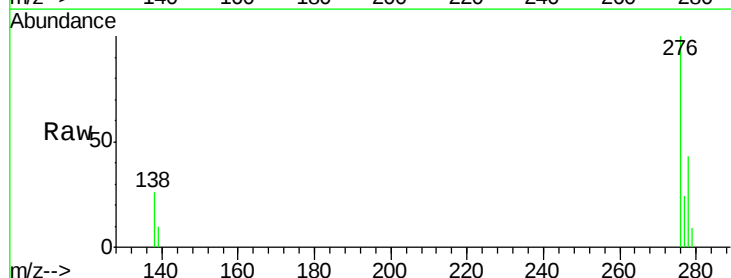
Instrument :
 BNA_E
 ClientSampleId :
 PB89886BS

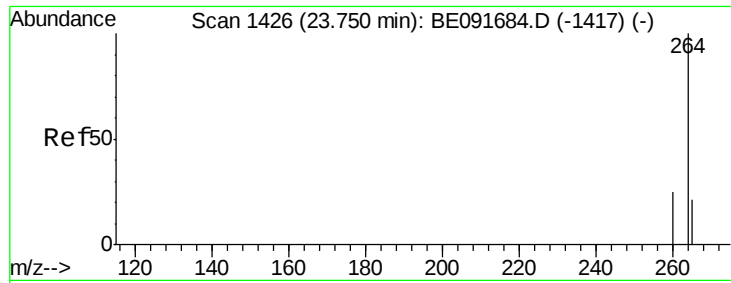
Tgt Ion:149 Resp: 86226
 Ion Ratio Lower Upper
 149 100
 167 23.9 19.5 29.3
 279 0.0 10.0 15.0#



#34
 Indeno(1,2,3-cd)pyrene
 Concen: 4.18 ng
 RT: 26.30 min Scan# 1645
 Delta R.T. -0.01 min
 Lab File: BE091693.D
 Acq: 20 Apr 2016 20:11

Tgt Ion:276 Resp: 305348
 Ion Ratio Lower Upper
 276 100
 138 26.8 23.4 35.2
 277 24.9 19.8 29.8

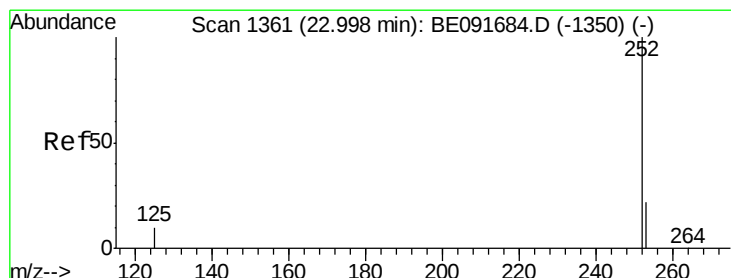
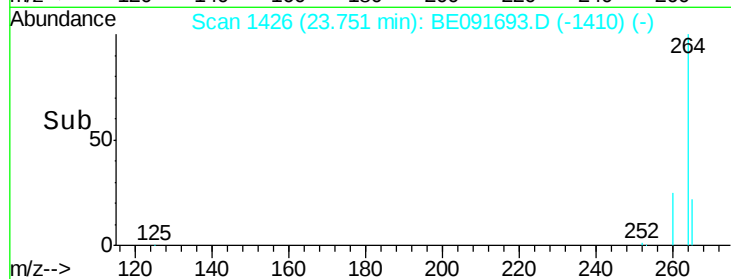
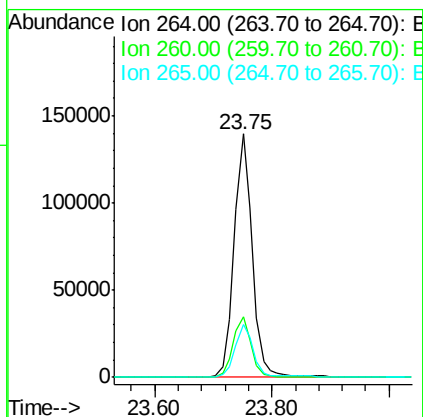
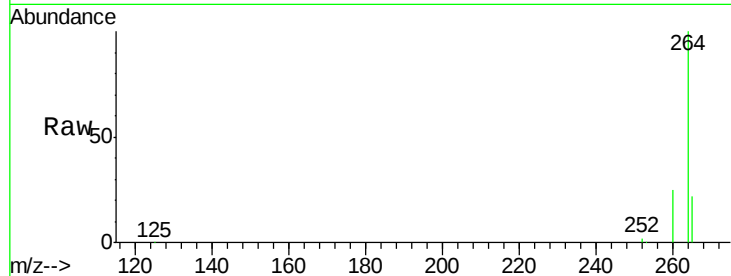




#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.75 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BE091693.D
 Acq: 20 Apr 2016 20:11

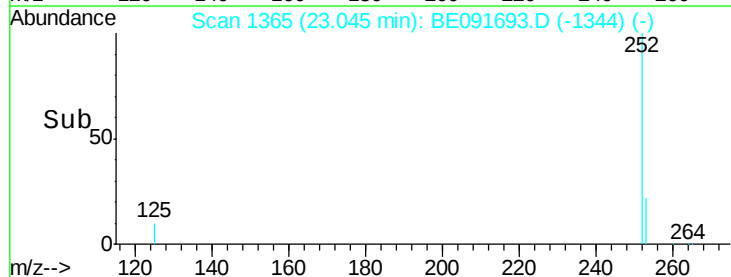
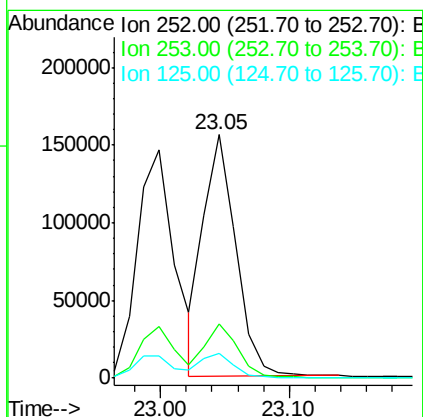
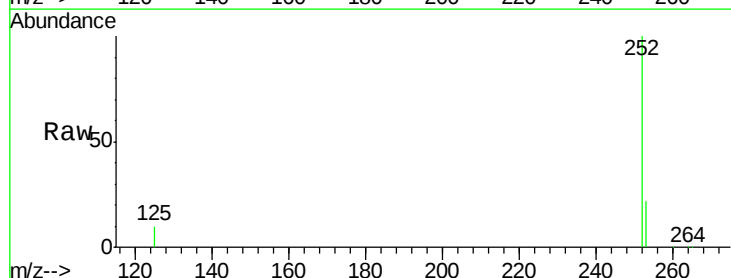
Instrument :
 BNA_E
 ClientSampleId :
 PB89886BS

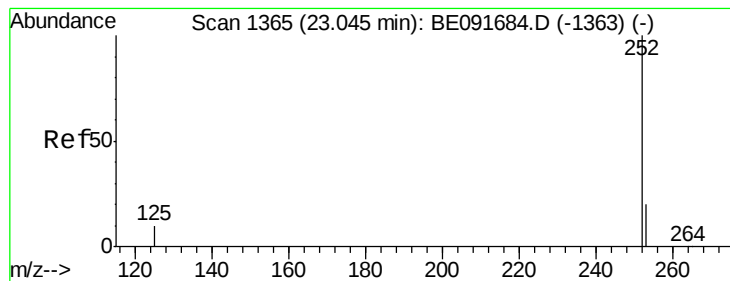
Tgt Ion: 264 Resp: 297990
 Ion Ratio Lower Upper
 264 100
 260 24.6 20.0 30.0
 265 22.0 17.5 26.3



#36
 Benzo(b)fluoranthene
 Concen: 3.84 ng
 RT: 23.05 min Scan# 1365
 Delta R.T. 0.05 min
 Lab File: BE091693.D
 Acq: 20 Apr 2016 20:11

Tgt Ion: 252 Resp: 274502
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.4 26.0
 125 10.3 10.2 15.2





#37

Benzo(k)fluoranthene

Concen: 3.98 ng

RT: 23.05 min Scan# 1365

Delta R.T. -0.01 min

Lab File: BE091693.D

Acq: 20 Apr 2016 20:11

Instrument :

BNA_E

ClientSampleId :

PB89886BS

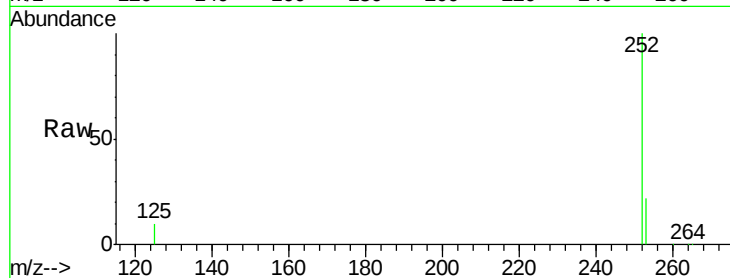
Tgt Ion:252 Resp: 279791

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

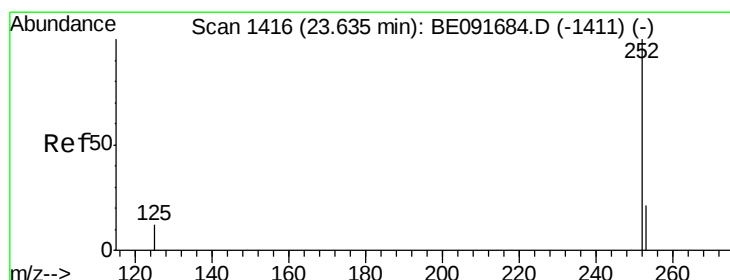
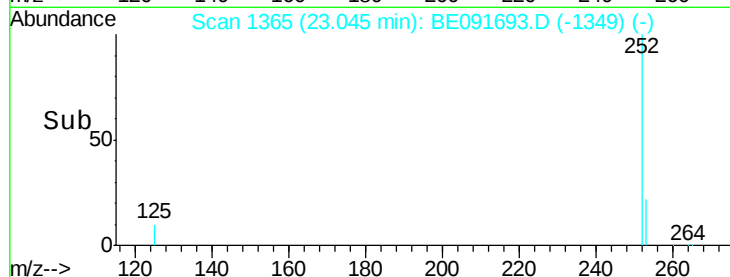
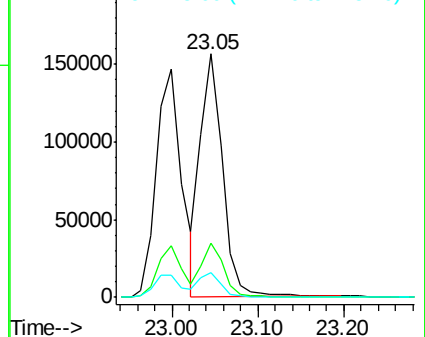
125 10.3 9.9 14.9



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: 4.29 ng

RT: 23.63 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BE091693.D

Acq: 20 Apr 2016 20:11

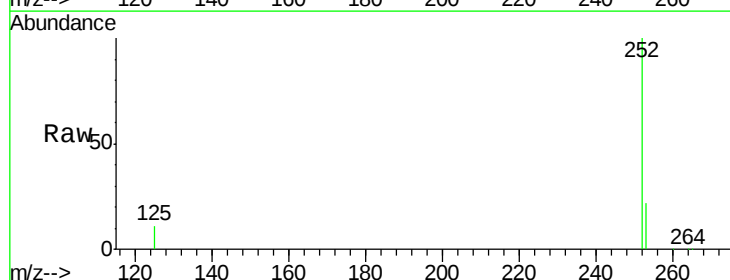
Tgt Ion:252 Resp: 265033

Ion Ratio Lower Upper

252 100

253 21.6 18.1 27.1

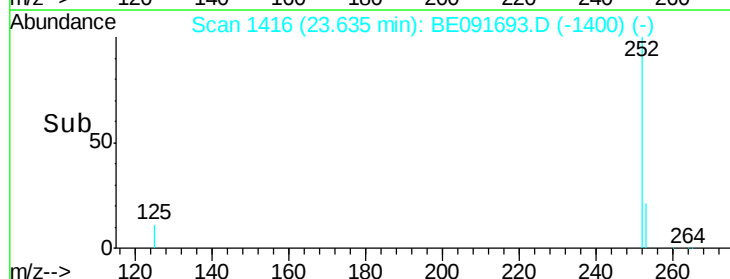
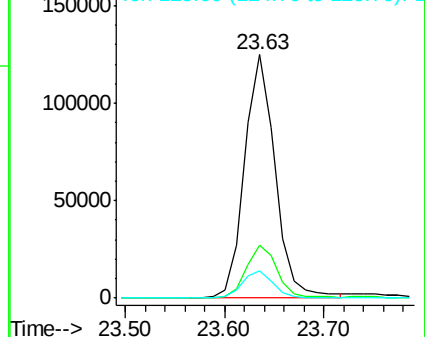
125 11.4 11.0 16.4

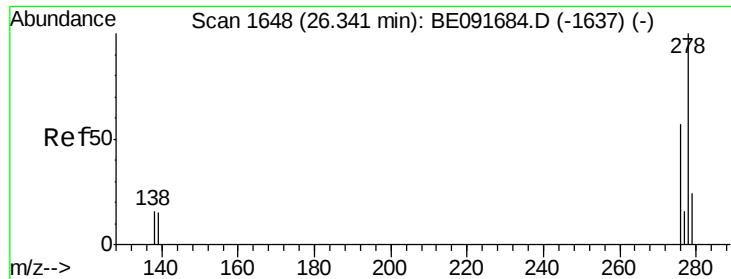


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 4.07 ng

RT: 26.33 min Scan# 1647

Delta R.T. -0.01 min

Lab File: BE091693.D

Acq: 20 Apr 2016 20:11

Instrument :

BNA_E

ClientSampled :

PB89886BS

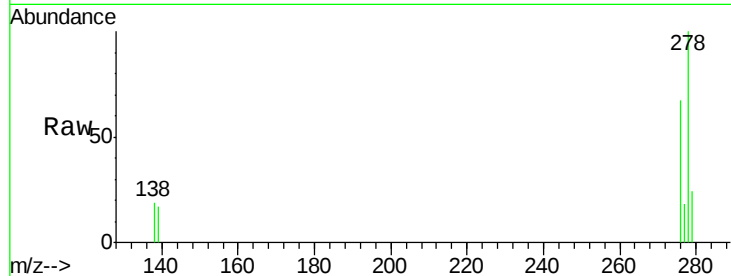
Tgt Ion: 278 Resp: 258058

Ion Ratio Lower Upper

278 100

139 16.6 16.0 24.0

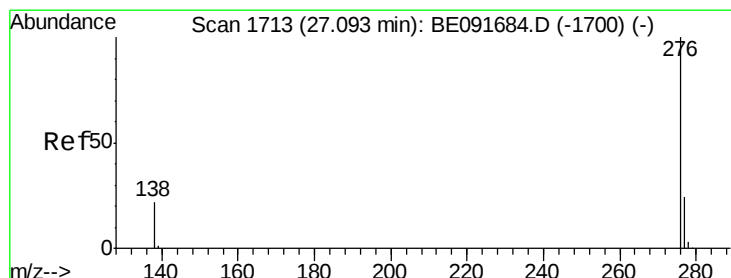
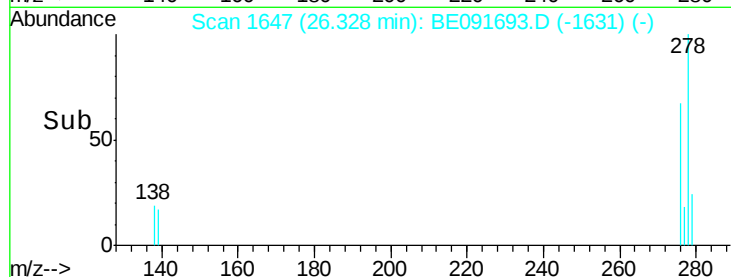
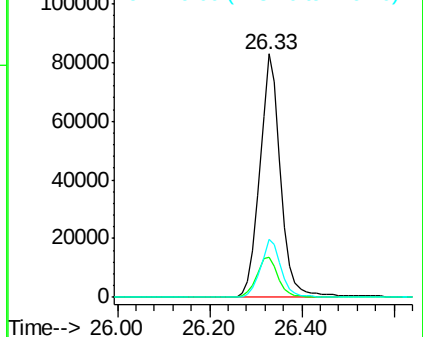
279 23.7 19.4 29.2



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: 4.00 ng

RT: 27.09 min Scan# 1713

Delta R.T. -0.01 min

Lab File: BE091693.D

Acq: 20 Apr 2016 20:11

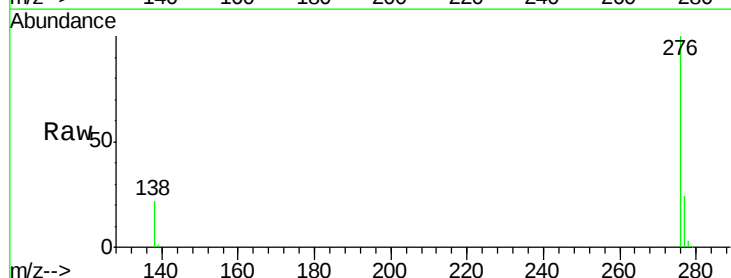
Tgt Ion: 276 Resp: 260007

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 22.1 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

