

Data Path : Z:\HPCHEM1\BNA E\DATA\BE042016\
 Data File : BE091688.D
 Acq On : 20 Apr 2016 16:57
 Operator : UM/SJ
 Sample : SSTDICC05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 20 17:45:19 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 15:26:50 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	34714	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	173681	5.00	ng	0.00
13) Acenaphthene-d10	14.42	164	105817	5.00	ng	0.00
19) Phenanthrene-d10	17.15	188	246859	5.00	ng	0.00
26) Chrysene-d12	21.31	240	271086	5.00	ng	0.00
35) Perylene-d12	23.75	264	254301	5.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	38928	5.15	ng	0.00
5) Phenol-d6	6.97	99	55966	5.50	ng	0.00
8) Nitrobenzene-d5	8.96	82	51628	5.80	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	19641	8.78	ng	-0.01
15) 2-Fluorobiphenyl	13.04	172	142445	4.83	ng	-0.01
29) Terphenyl-d14	19.76	244	219772	5.95	ng	0.00

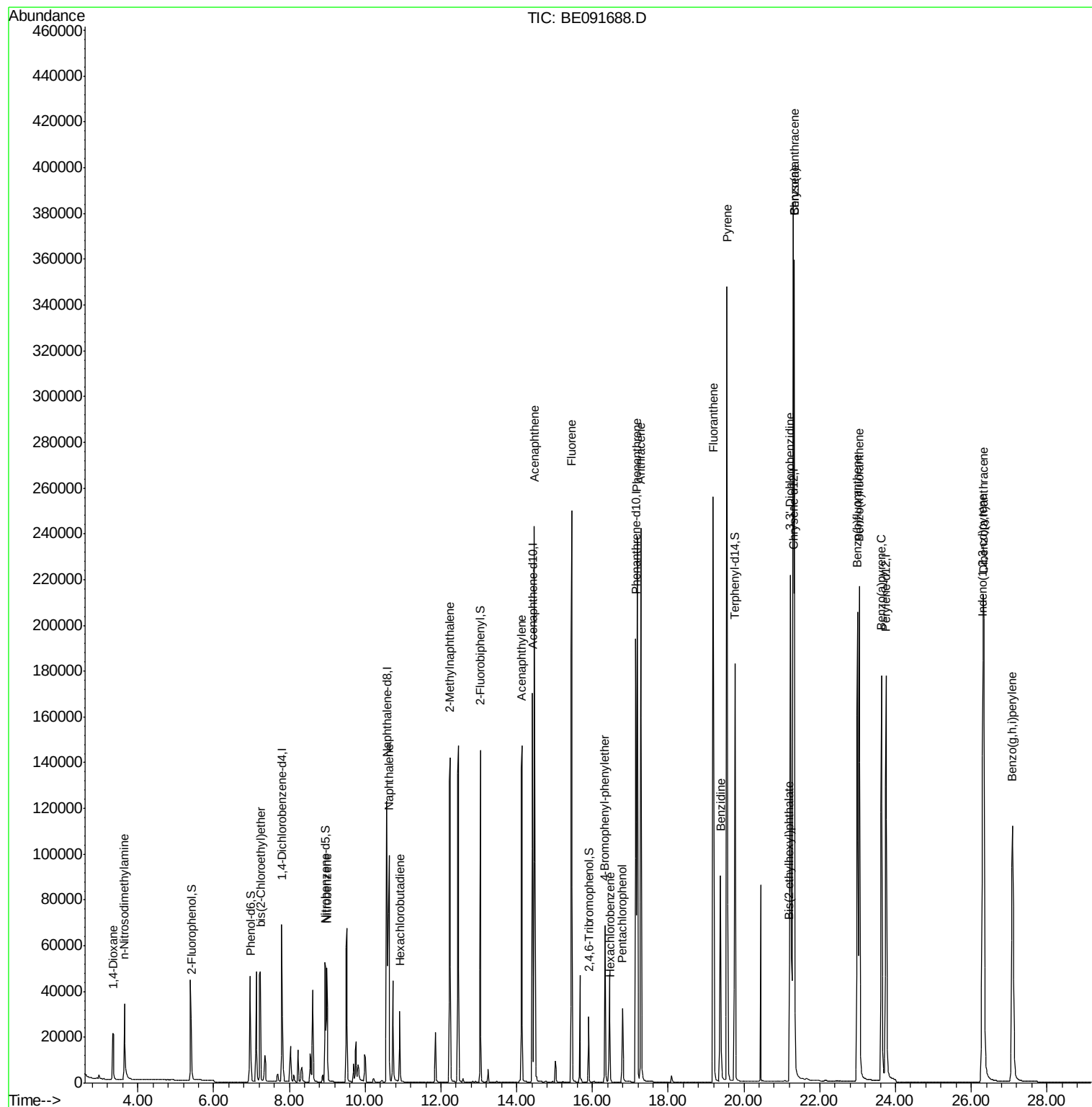
Target Compounds						Qvalue
2) 1,4-Dioxane	3.35	88	18493	4.13	ng	# 91
3) n-Nitrosodimethylamine	3.64	42	26437	5.31	ng	# 94
6) bis(2-Chloroethyl)ether	7.23	93	48423	5.18	ng	# 76
9) Nitrobenzene	8.99	77	56373	6.29	ng	93
10) Naphthalene	10.63	128	169503	4.79	ng	97
11) Hexachlorobutadiene	10.92	225	26589	5.19	ng	97
12) 2-Methylnaphthalene	12.24	142	114709	5.08	ng	92
16) Acenaphthylene	14.13	152	217497	5.58	ng	# 86
17) Acenaphthene	14.47	154	126952	4.88	ng	89
18) Fluorene	15.46	166	162340	5.09	ng	99
20) 4-Bromophenyl-phenylether	16.33	248	45561	5.33	ng	96
21) Hexachlorobenzene	16.46	284	45865	5.06	ng	97
22) Pentachlorophenol	16.79	266	22130	7.36	ng	89
23) Phenanthrene	17.18	178	279276	4.98	ng	99
24) Anthracene	17.28	178	271458	5.45	ng	98
25) Fluoranthene	19.19	202	301271	5.41	ng	98
27) Benzidine	19.38	184	119442	6.07	ng	# 76
28) Pyrene	19.55	202	347775	6.42	ng	99
30) Benzo(a)anthracene	21.34	228	700775	11.15	ng	93
31) 3,3'-Dichlorobenzidine	21.22	252	203805	8.28	ng	# 81
32) Chrysene	21.34	228	703176	11.03	ng	97
33) Bis(2-ethylhexyl)phthalate	21.20	149	92284	8.01	ng	# 57
34) Indeno(1,2,3-cd)pyrene	26.30	276	324561	5.59	ng	97
36) Benzo(b)fluoranthene	23.00	252	302900	5.41	ng	# 96
37) Benzo(k)fluoranthene	23.04	252	292825	4.93	ng	98
38) Benzo(a)pyrene	23.63	252	275125	5.27	ng	97
39) Dibenzo(a,h)anthracene	26.33	278	272162	5.34	ng	95
40) Benzo(g,h,i)perylene	27.09	276	272899	5.16	ng	97

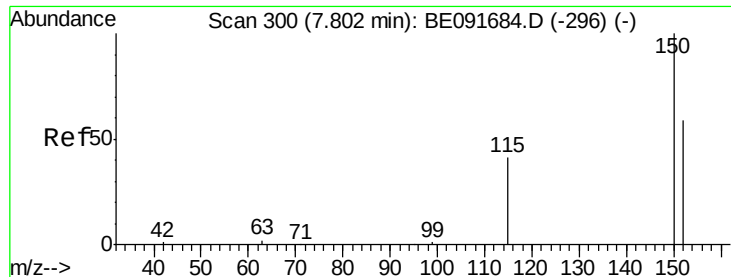
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091688.D

Acq: 20 Apr 2016 16:57

Instrument :

BNA_E

ClientSampleId :

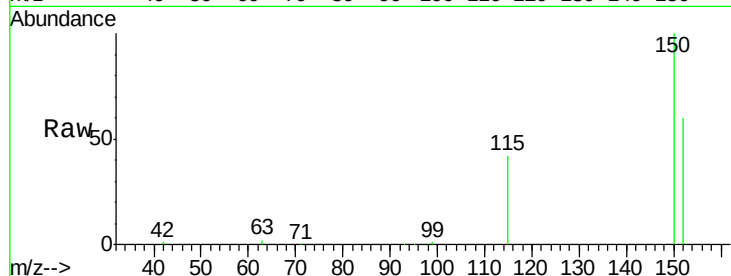
Tot Ion:152 Resp: 34714

Ion Ratio Lower Upper

152 100

150 165.3 122.6 183.8

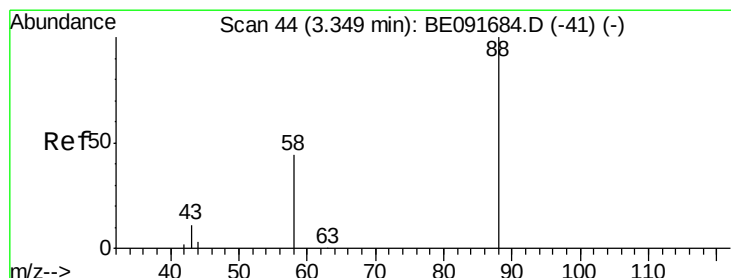
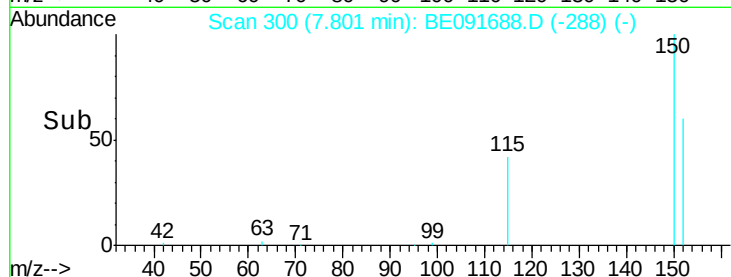
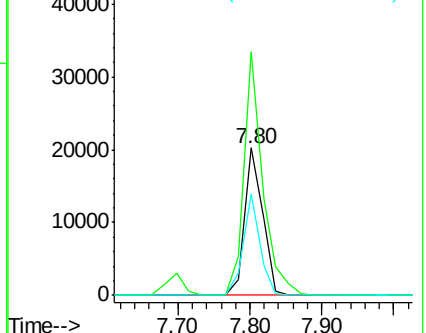
115 69.0 52.8 79.2



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: 4.13 ng

RT: 3.35 min Scan# 44

Delta R.T. -0.00 min

Lab File: BE091688.D

Acq: 20 Apr 2016 16:57

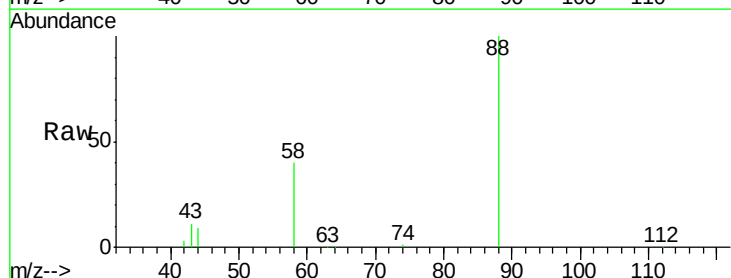
Tgt Ion: 88 Resp: 18493

Ion Ratio Lower Upper

88 100

58 88.1 65.8 98.6

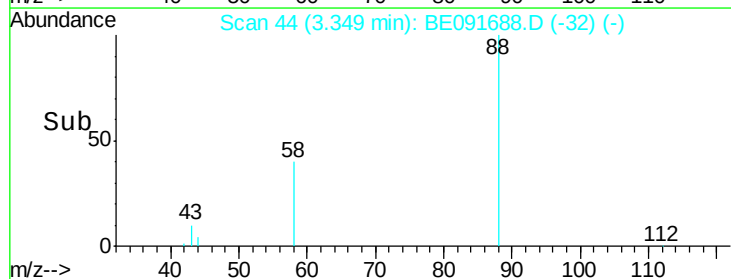
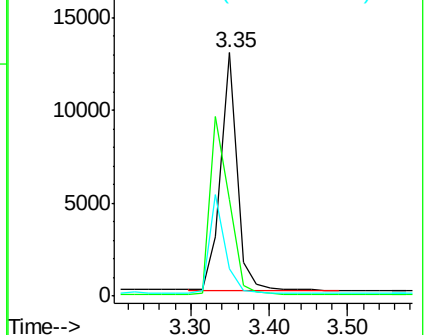
43 39.6 25.3 37.9#

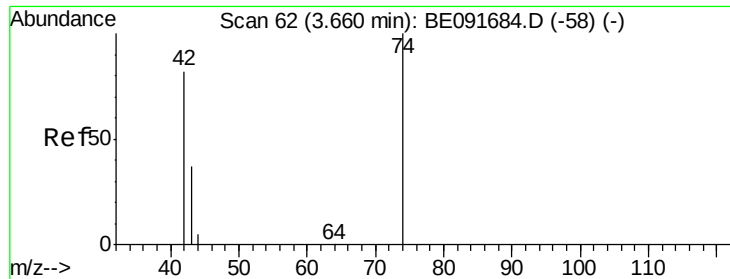


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 5.31 ng

RT: 3.64 min Scan# 61

Delta R.T. -0.02 min

Lab File: BE091688.D

Acq: 20 Apr 2016 16:57

Instrument :

BNA_E

ClientSampleId :

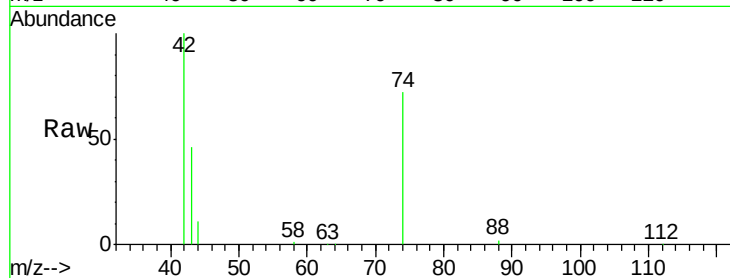
Tot Ion: 42 Resp: 26437

Ion Ratio Lower Upper

42 100

74 103.1 87.9 131.9

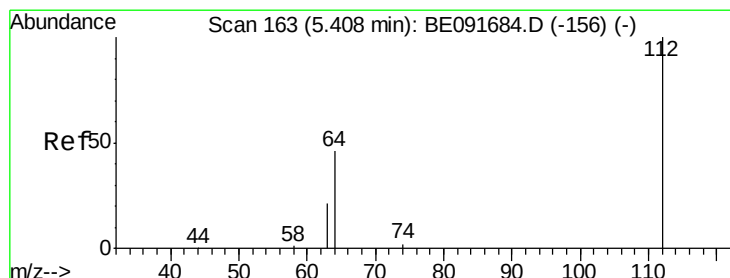
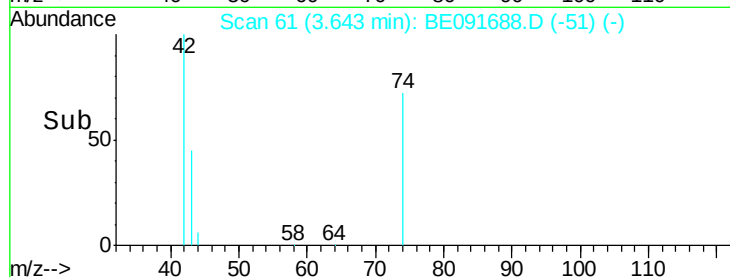
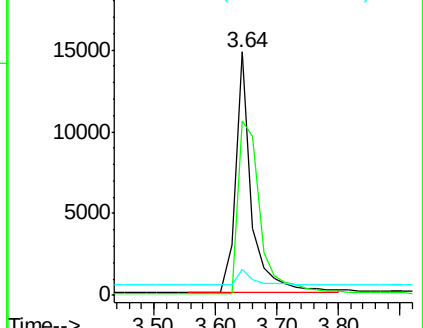
44 6.2 6.6 9.8#



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: 5.15 ng

RT: 5.41 min Scan# 163

Delta R.T. -0.00 min

Lab File: BE091688.D

Acq: 20 Apr 2016 16:57

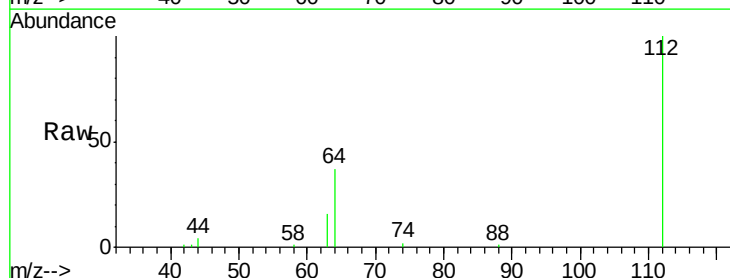
Tgt Ion: 112 Resp: 38928

Ion Ratio Lower Upper

112 100

64 68.3 30.9 46.3#

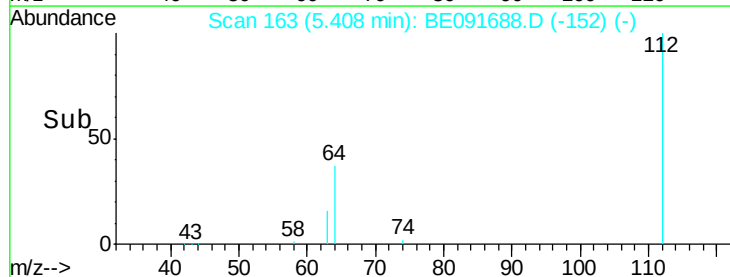
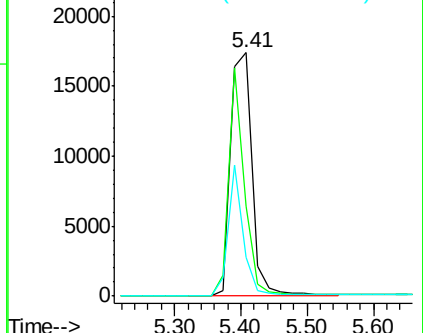
63 37.3 16.7 25.1#

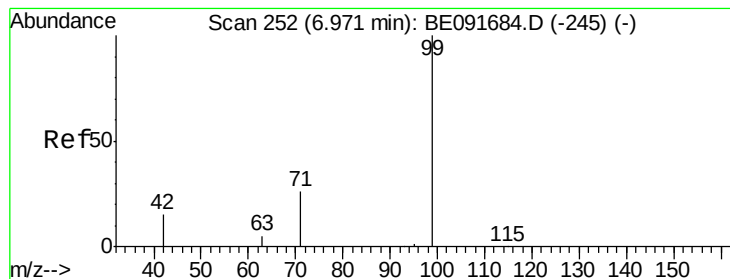


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 5.50 ng

RT: 6.97 min Scan# 252

Delta R.T. -0.00 min

Lab File: BE091688.D

Acq: 20 Apr 2016 16:57

Instrument :

BNA_E

ClientSampleId :

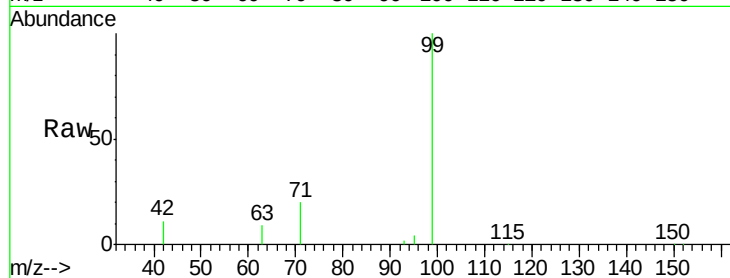
Tot Ion: 99 Resp: 55966

Ion Ratio Lower Upper

99 100

42 27.1 16.2 24.2#

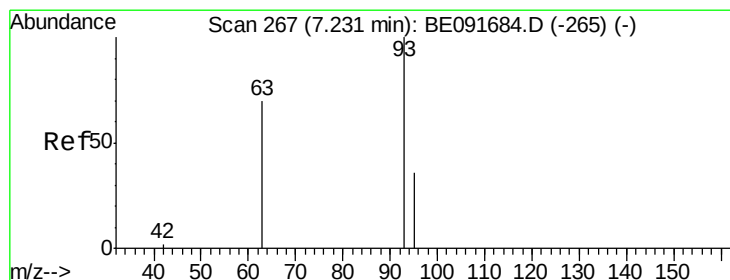
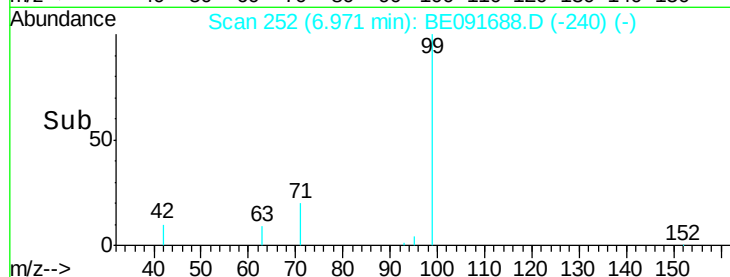
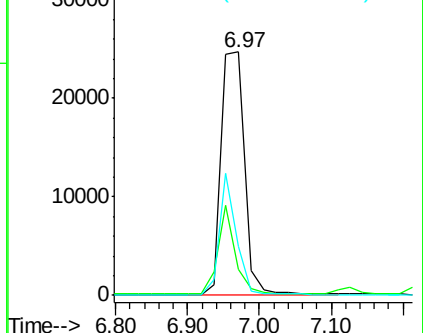
71 36.3 29.0 43.4



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: 5.18 ng

RT: 7.23 min Scan# 267

Delta R.T. -0.00 min

Lab File: BE091688.D

Acq: 20 Apr 2016 16:57

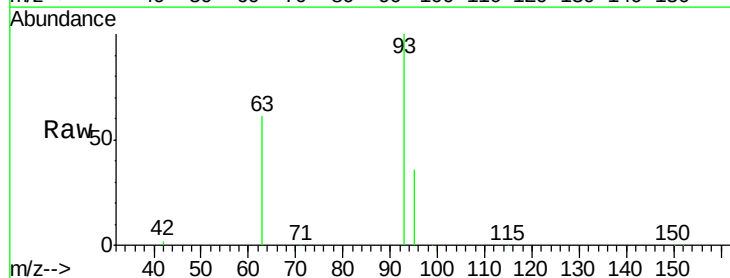
Tgt Ion: 93 Resp: 48423

Ion Ratio Lower Upper

93 100

63 85.9 49.5 74.3#

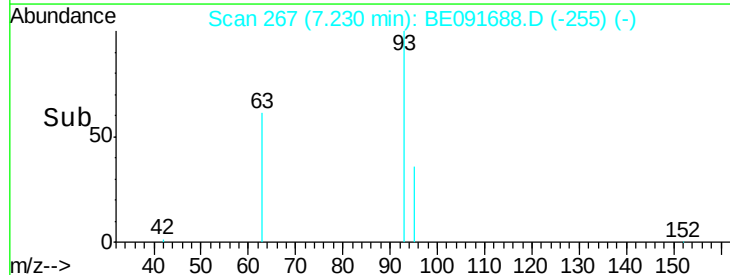
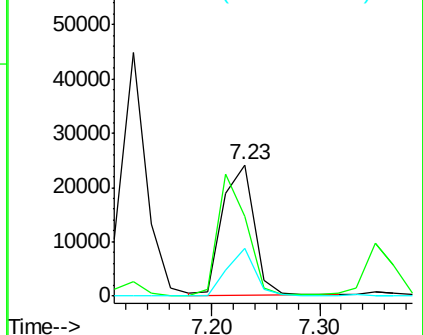
95 32.2 22.2 33.4

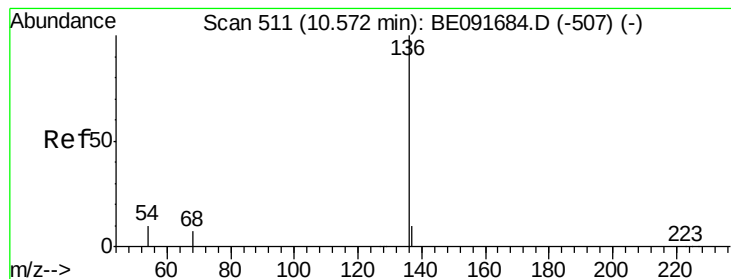


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE091688.D

Acq: 20 Apr 2016 16:57

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 173681

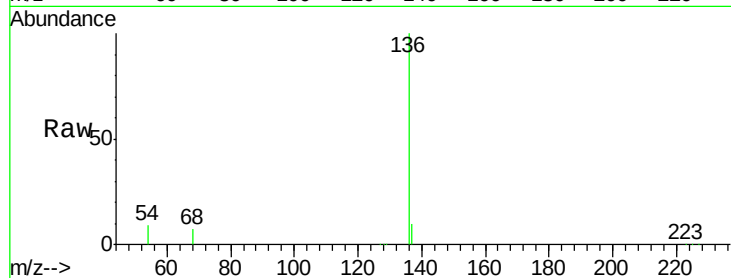
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 9.4 8.2 12.4

68 6.6 6.2 9.4

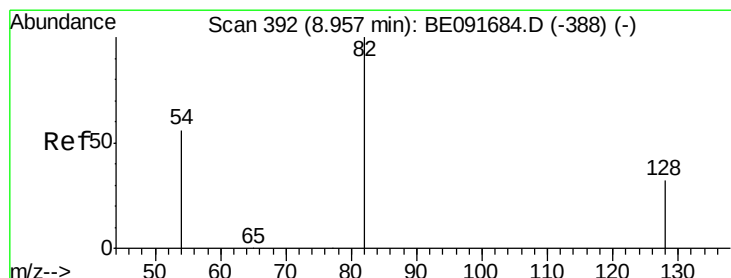
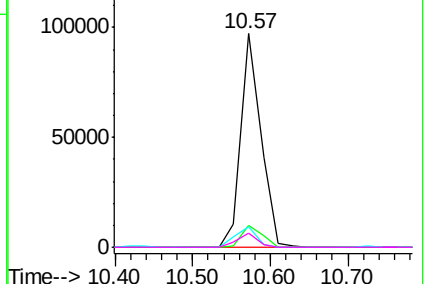
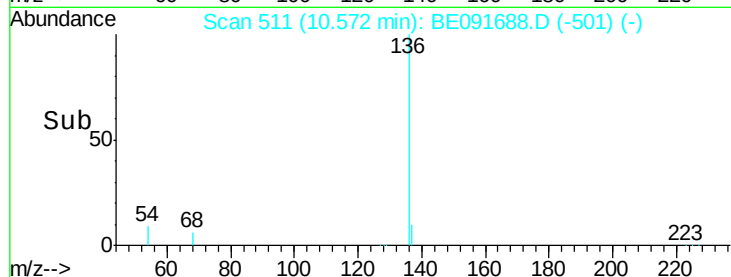


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 5.80 ng

RT: 8.96 min Scan# 392

Delta R.T. -0.00 min

Lab File: BE091688.D

Acq: 20 Apr 2016 16:57

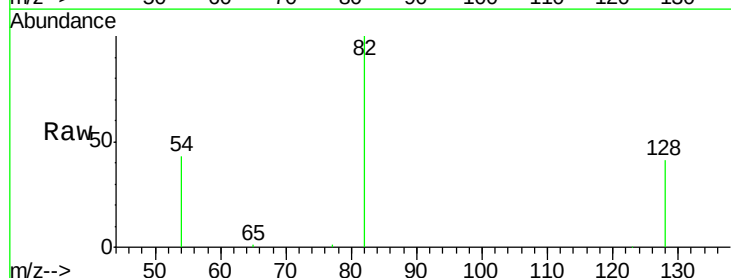
Tgt Ion: 82 Resp: 51628

Ion Ratio Lower Upper

82 100

128 40.5 25.4 38.0#

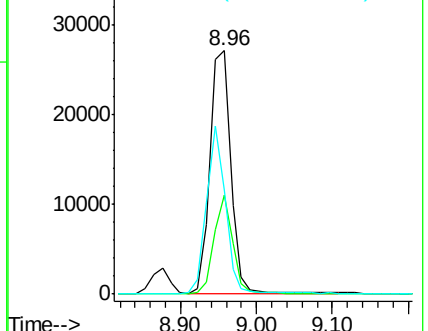
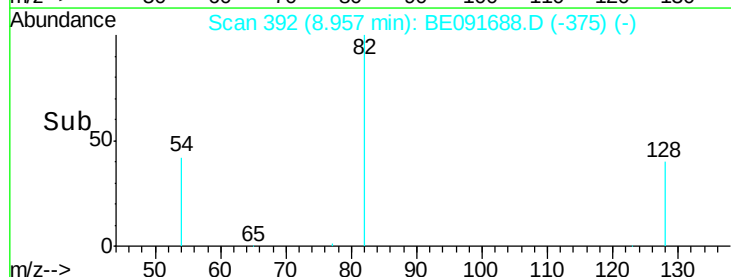
54 42.6 48.4 72.6#

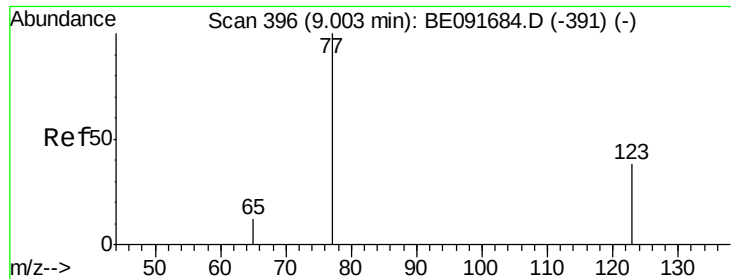


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 6.29 ng

RT: 8.99 min Scan# 395

Delta R.T. -0.01 min

Lab File: BE091688.D

Acq: 20 Apr 2016 16:57

Instrument :

BNA_E

ClientSampleId :

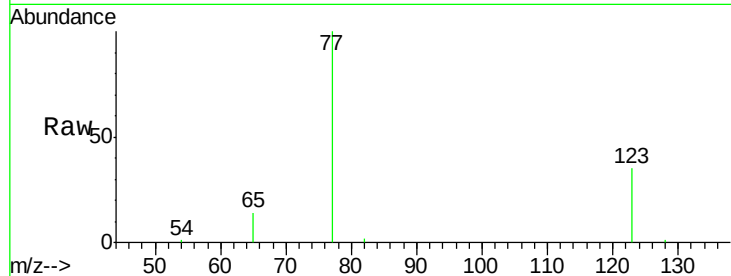
Tot Ion: 77 Resp: 56373

Ion Ratio Lower Upper

77 100

123 37.7 26.9 40.3

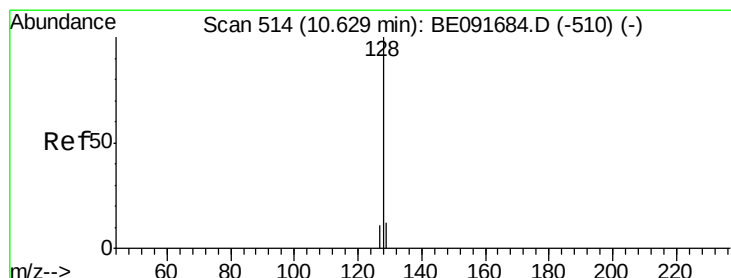
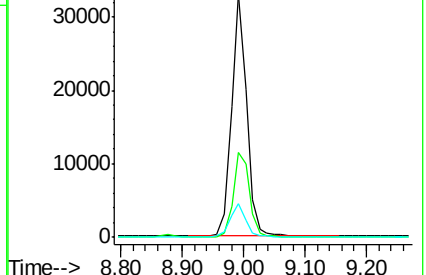
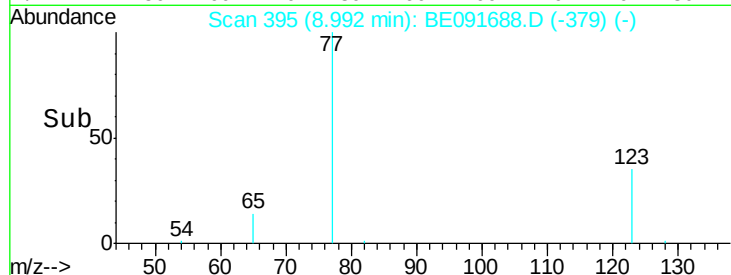
65 14.1 9.4 14.2



Abundance Ion 77.00 (76.70 to 77.70): BE091688.D (-391) (-)

Ion 123.00 (122.70 to 123.70): BE091688.D (-391) (-)

Ion 65.00 (64.70 to 65.70): BE091688.D (-391) (-)



#10

Naphthalene

Concen: 4.79 ng

RT: 10.63 min Scan# 514

Delta R.T. -0.00 min

Lab File: BE091688.D

Acq: 20 Apr 2016 16:57

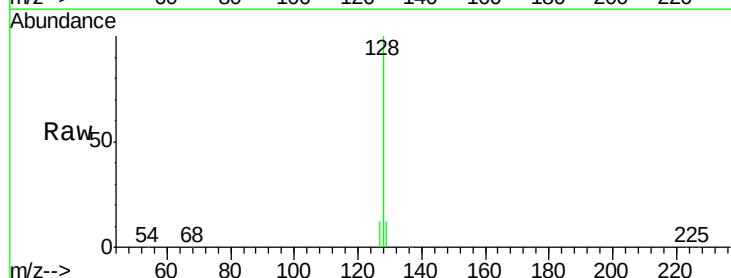
Tgt Ion: 128 Resp: 169503

Ion Ratio Lower Upper

128 100

129 11.9 9.3 13.9

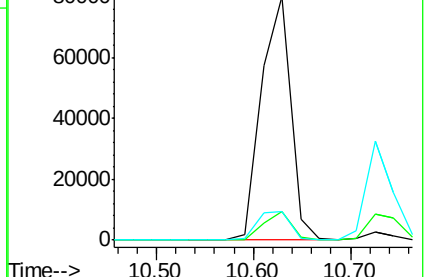
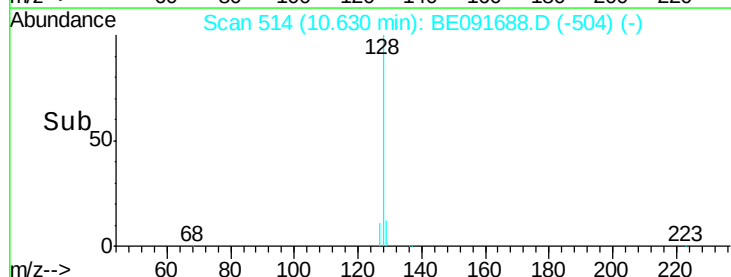
127 11.5 10.7 16.1

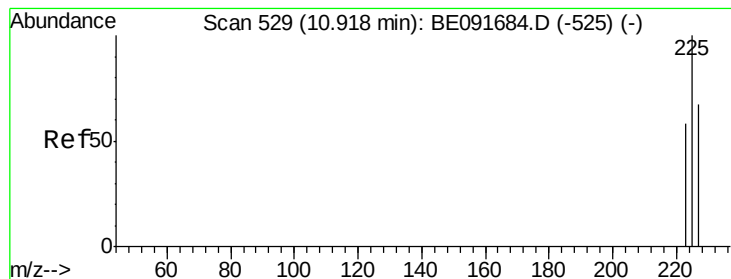


Abundance Ion 128.00 (127.70 to 128.70): BE091688.D (-510) (-)

Ion 129.00 (128.70 to 129.70): BE091688.D (-510) (-)

Ion 127.00 (126.70 to 127.70): BE091688.D (-510) (-)





#11

Hexachlorobutadiene

Concen: 5.19 ng

RT: 10.92 min Scan# 529

Delta R.T. -0.00 min

Lab File: BE091688.D

Acq: 20 Apr 2016 16:57

Instrument :

BNA_E

ClientSampleId :

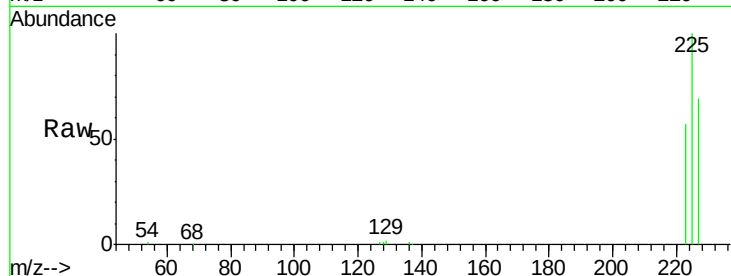
Tot Ion:225 Resp: 26589

Ion Ratio Lower Upper

225 100

223 64.0 49.0 73.6

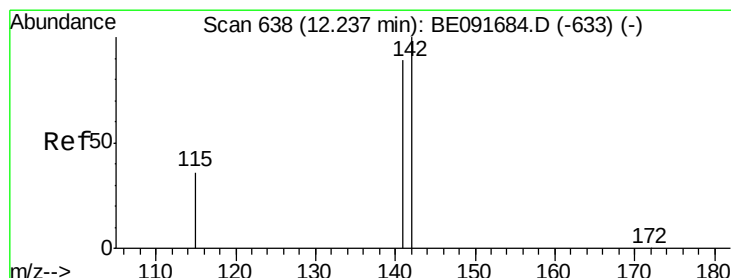
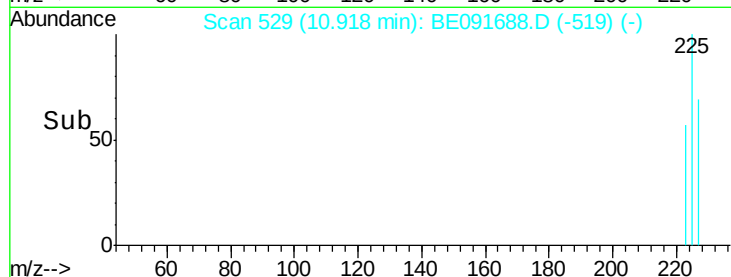
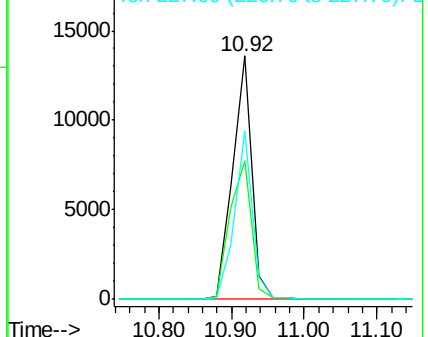
227 65.2 50.3 75.5



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: 5.08 ng

RT: 12.24 min Scan# 638

Delta R.T. -0.00 min

Lab File: BE091688.D

Acq: 20 Apr 2016 16:57

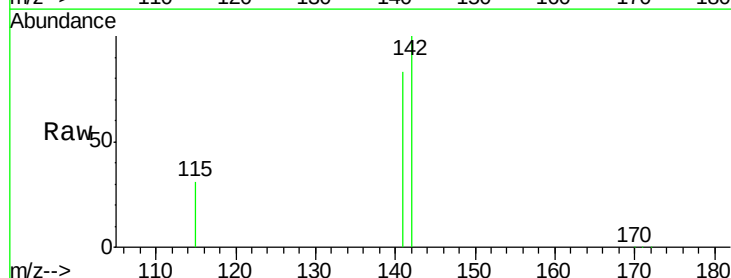
Tgt Ion:142 Resp: 114709

Ion Ratio Lower Upper

142 100

141 83.1 71.4 107.0

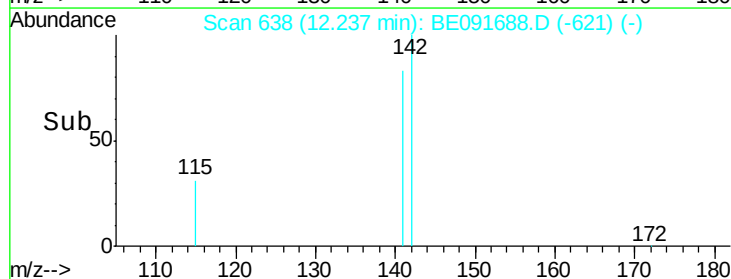
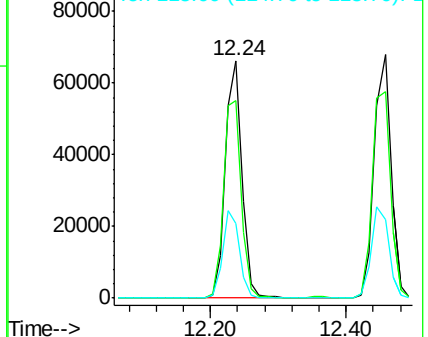
115 31.3 30.3 45.5

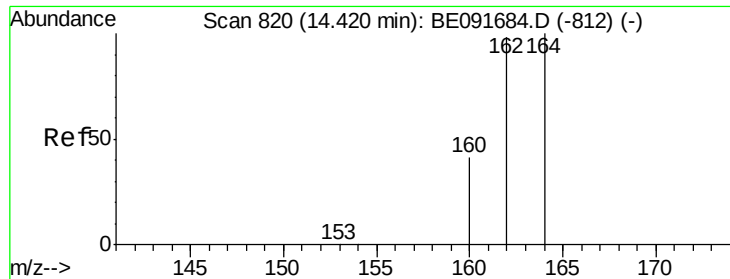


Abundance Ion 142.00 (141.70 to 142.70): E

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: BE091688.D

Acq: 20 Apr 2016 16:57

Instrument :

BNA_E

ClientSampleId :

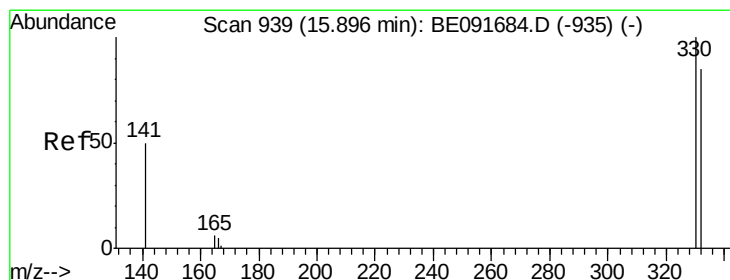
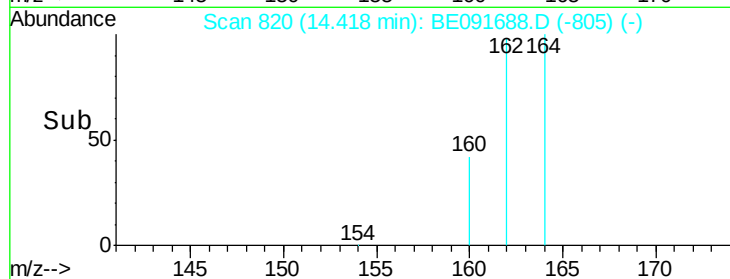
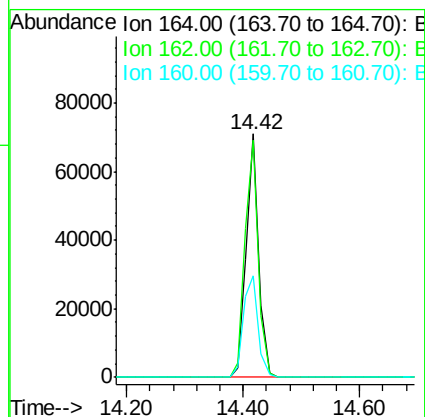
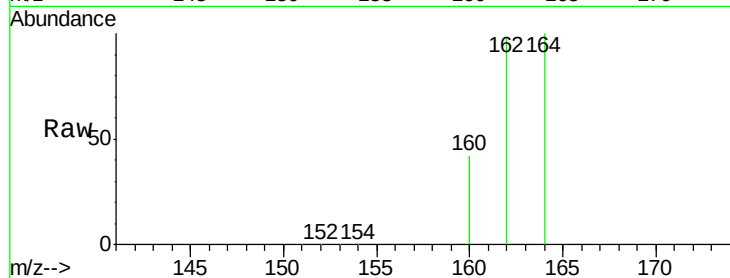
Tot Ion:164 Resp: 105817

Ion Ratio Lower Upper

164 100

162 97.7 85.3 127.9

160 41.6 46.2 69.2#



#14

2,4,6-Tribromophenol

Concen: 8.78 ng

RT: 15.90 min Scan# 939

Delta R.T. -0.01 min

Lab File: BE091688.D

Acq: 20 Apr 2016 16:57

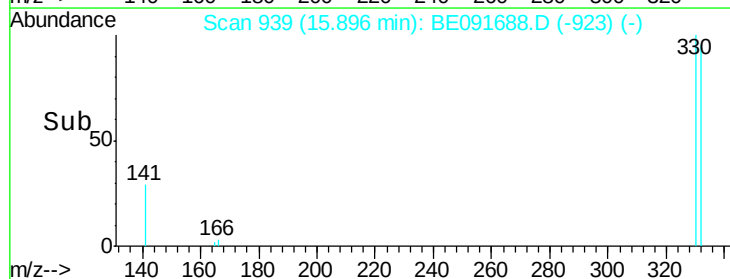
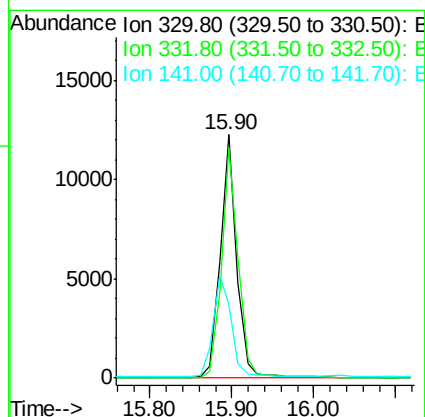
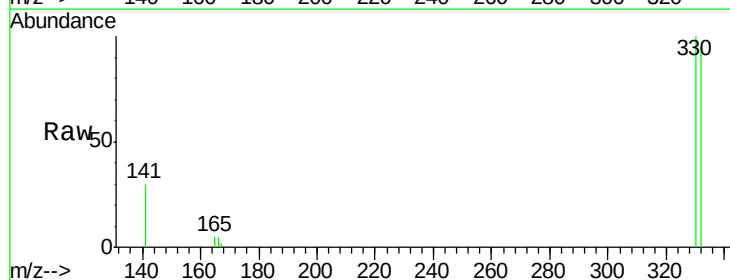
Tgt Ion:330 Resp: 19641

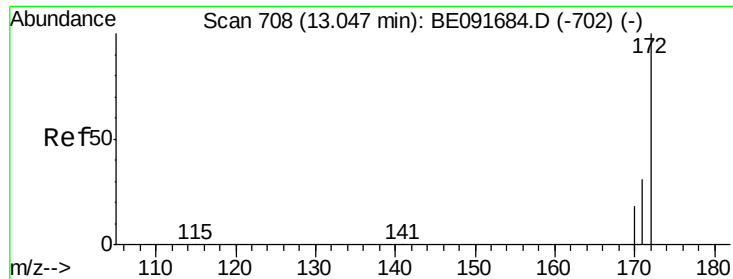
Ion Ratio Lower Upper

330 100

332 96.5 79.1 118.7

141 39.6 125.4 188.0#

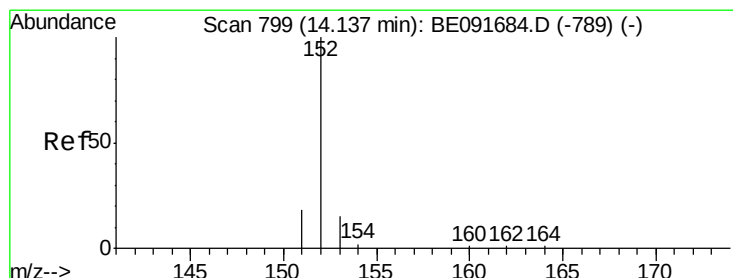
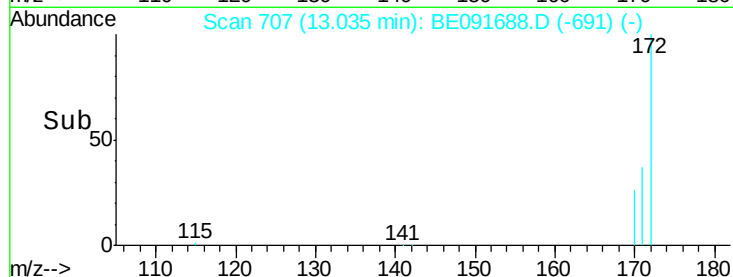
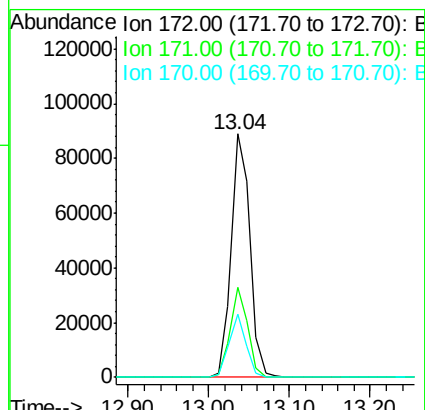
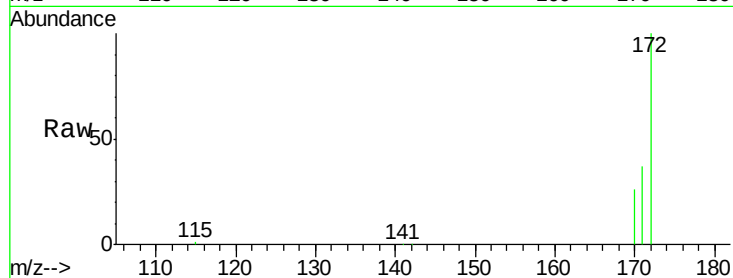




#15
2-Fluorobiphenyl
Concen: 4.83 ng
RT: 13.04 min Scan# 707
Delta R.T. -0.01 min
Lab File: BE091688.D
Acq: 20 Apr 2016 16:57

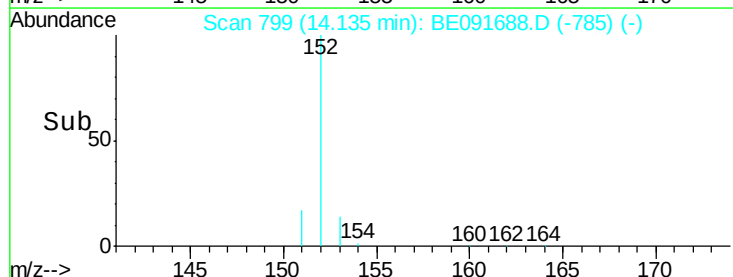
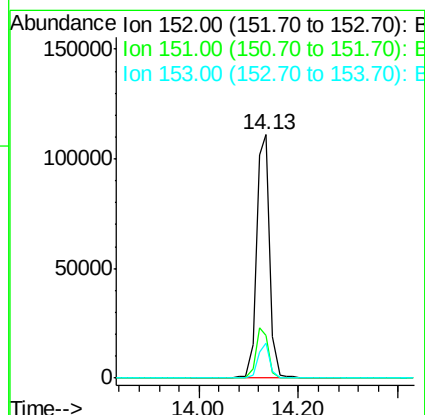
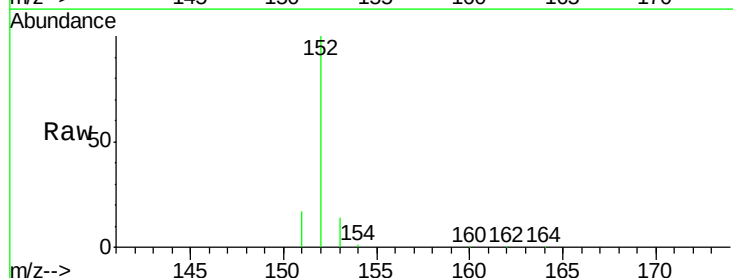
Instrument :
BNA_E
ClientSampled :

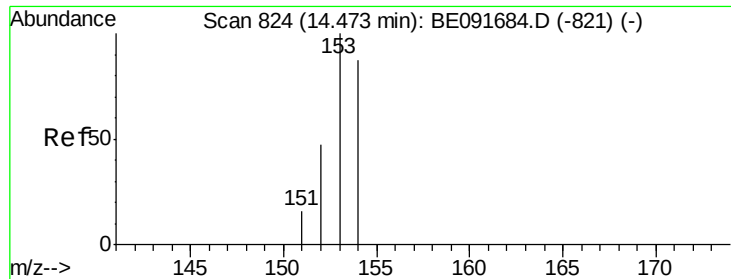
Tot Ion:172 Resp: 142445
Ion Ratio Lower Upper
172 100
171 36.9 28.8 43.2
170 25.9 19.3 28.9



#16
Acenaphthylene
Concen: 5.58 ng
RT: 14.13 min Scan# 799
Delta R.T. -0.00 min
Lab File: BE091688.D
Acq: 20 Apr 2016 16:57

Tgt Ion:152 Resp: 217497
Ion Ratio Lower Upper
152 100
151 20.2 3.9 5.9#
153 13.6 10.3 15.5

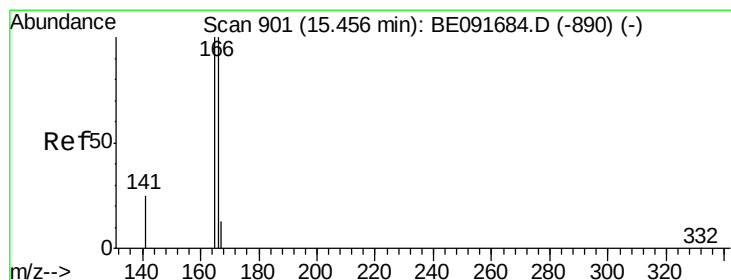
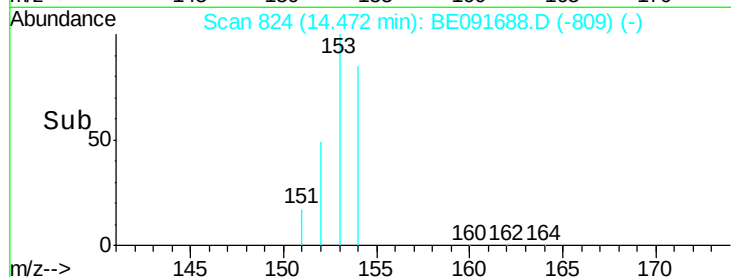
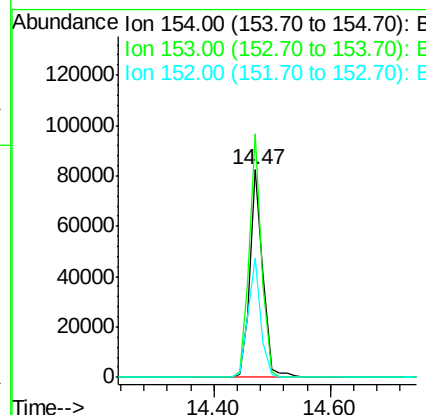
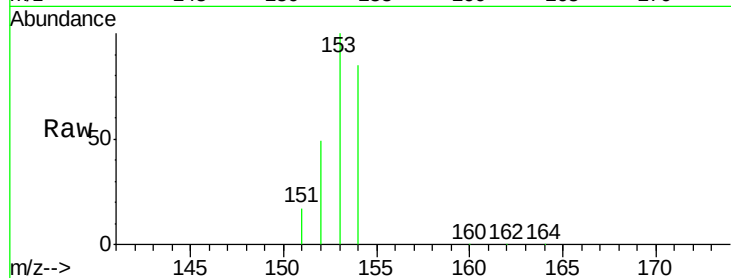




#17
Acenaphthene
Concen: 4.88 ng
RT: 14.47 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE091688.D
Acq: 20 Apr 2016 16:57

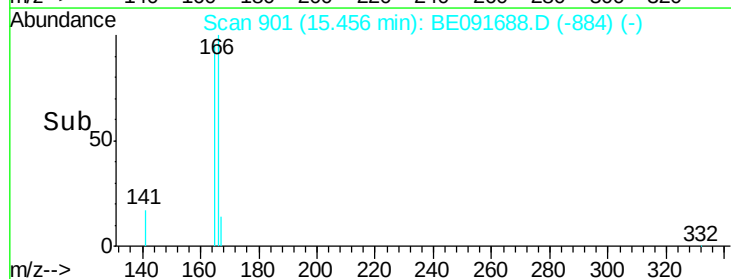
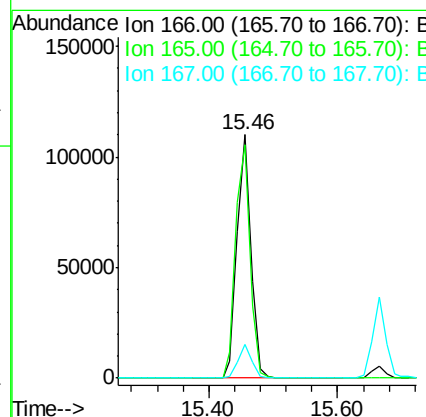
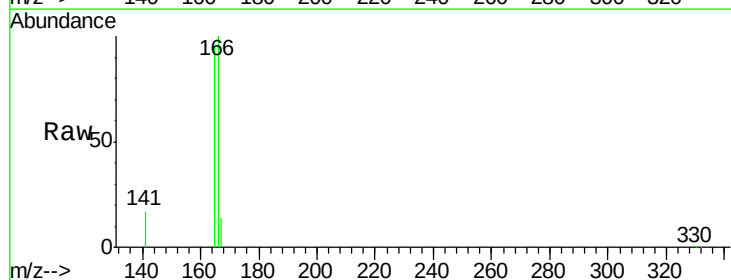
Instrument :
BNA_E
ClientSampleId :

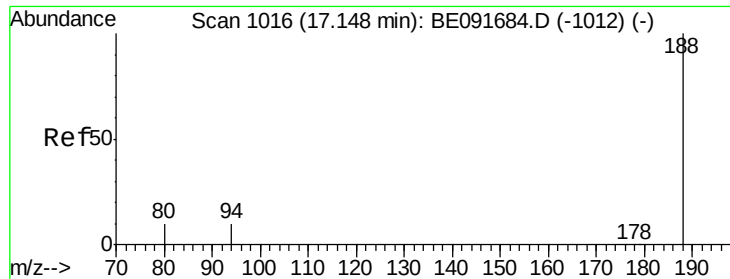
Tot Ion:154 Resp: 126952
Ion Ratio Lower Upper
154 100
153 112.1 80.0 120.0
152 55.8 40.0 60.0



#18
Fluorene
Concen: 5.09 ng
RT: 15.46 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE091688.D
Acq: 20 Apr 2016 16:57

Tgt Ion:166 Resp: 162340
Ion Ratio Lower Upper
166 100
165 100.1 80.8 121.2
167 13.4 10.9 16.3

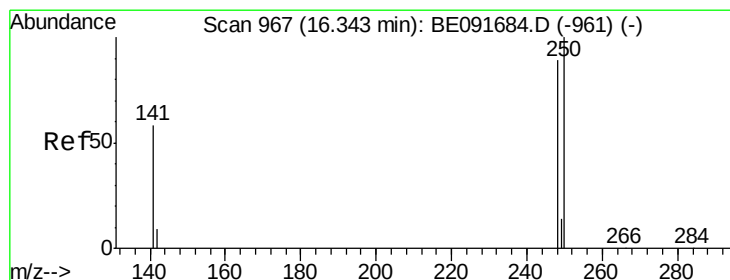
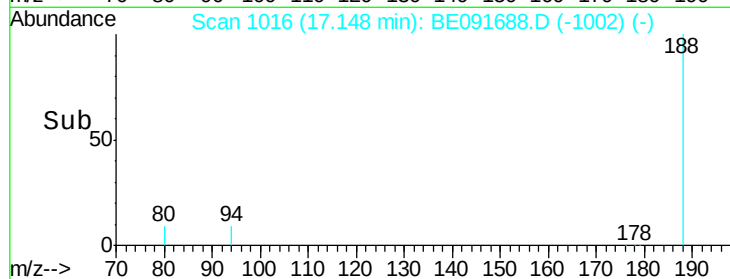
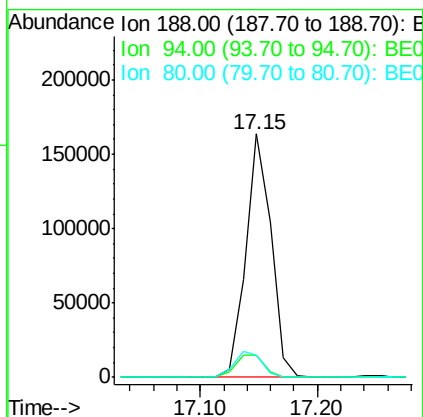
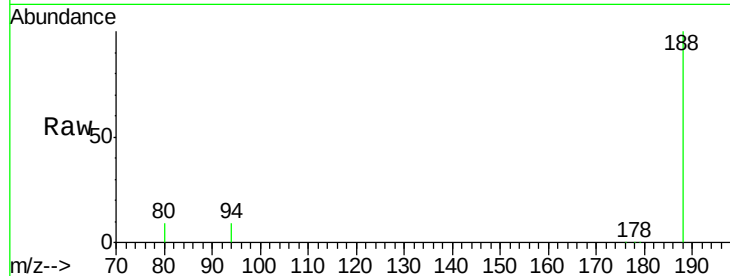




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BE091688.D
Acq: 20 Apr 2016 16:57

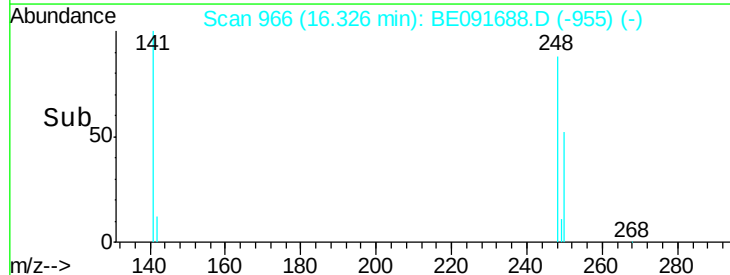
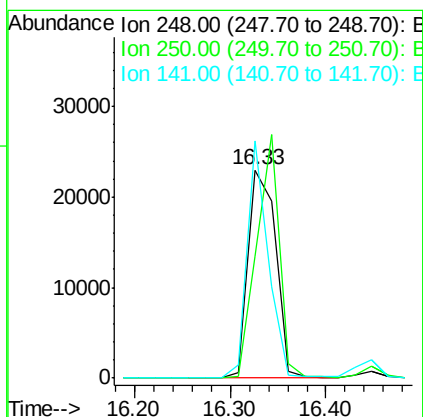
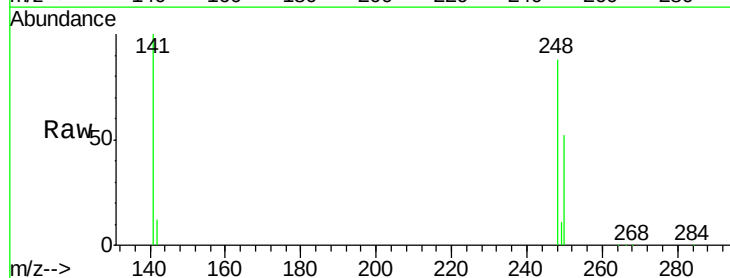
Instrument :
BNA_E
ClientSampleId :

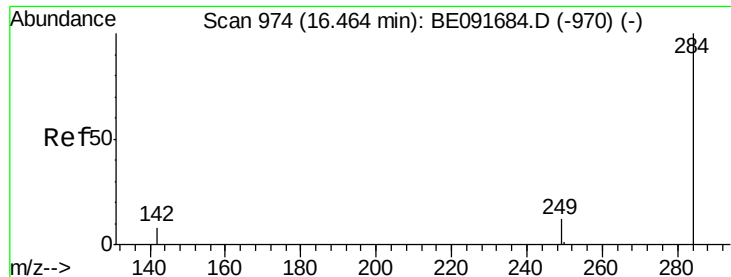
Tot Ion:188 Resp: 246859
Ion Ratio Lower Upper
188 100
94 9.3 8.7 13.1
80 9.0 9.4 14.0#



#20
4-Bromophenyl-phenylether
Concen: 5.33 ng
RT: 16.33 min Scan# 966
Delta R.T. -0.02 min
Lab File: BE091688.D
Acq: 20 Apr 2016 16:57

Tgt Ion:248 Resp: 45561
Ion Ratio Lower Upper
248 100
250 96.5 80.5 120.7
141 86.4 72.0 108.0

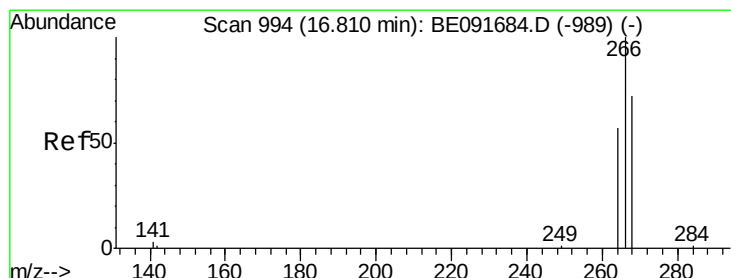
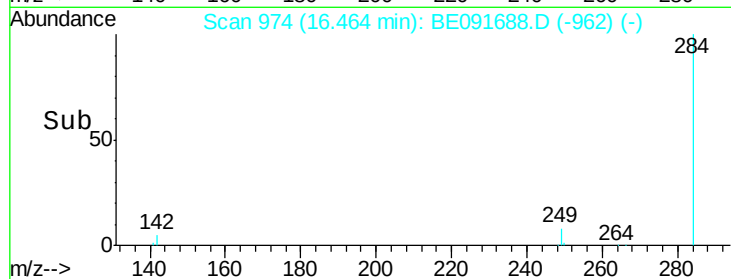
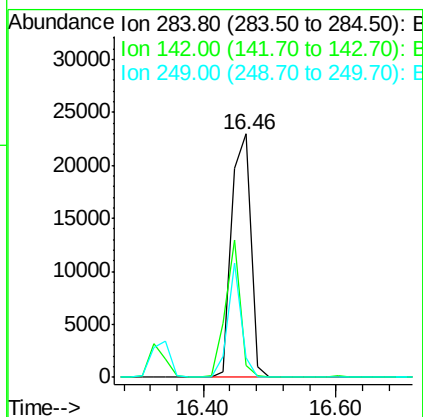
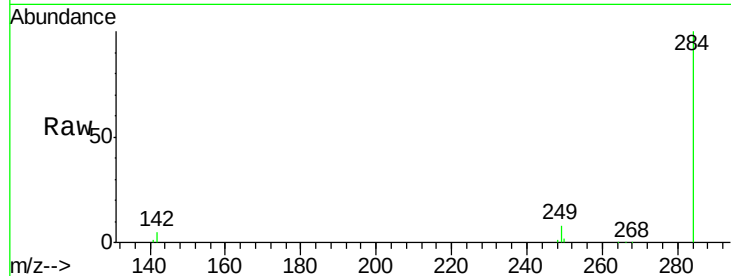




#21
Hexachlorobenzene
Concen: 5.06 ng
RT: 16.46 min Scan# 974
Delta R.T. -0.00 min
Lab File: BE091688.D
Acq: 20 Apr 2016 16:57

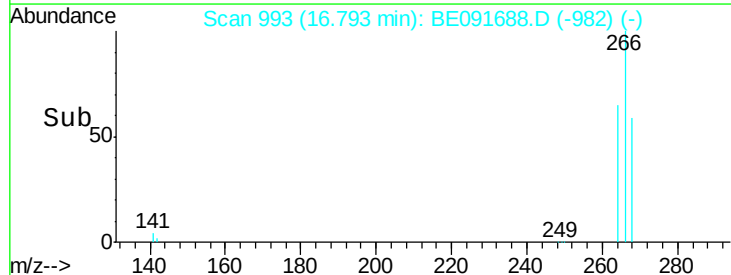
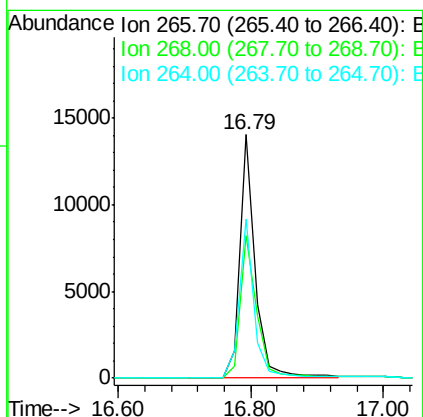
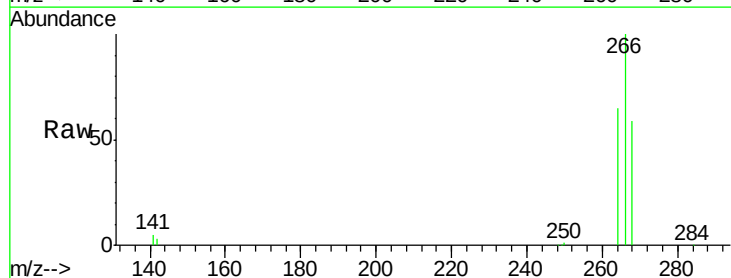
Instrument :
BNA_E
ClientSampleId :

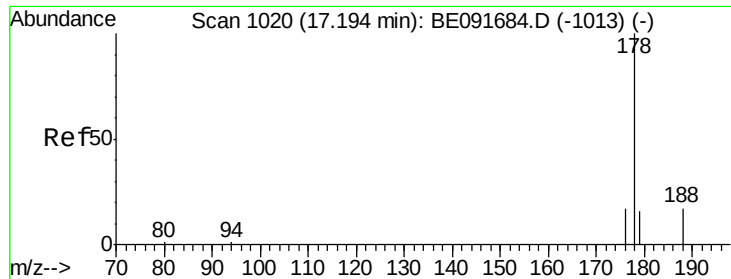
Tot Ion:284 Resp: 45865
Ion Ratio Lower Upper
284 100
142 43.0 32.2 48.2
249 33.0 25.4 38.2



#22
Pentachlorophenol
Concen: 7.36 ng
RT: 16.79 min Scan# 993
Delta R.T. -0.02 min
Lab File: BE091688.D
Acq: 20 Apr 2016 16:57

Tgt Ion:266 Resp: 22130
Ion Ratio Lower Upper
266 100
268 58.8 58.2 87.2
264 65.3 56.2 84.4

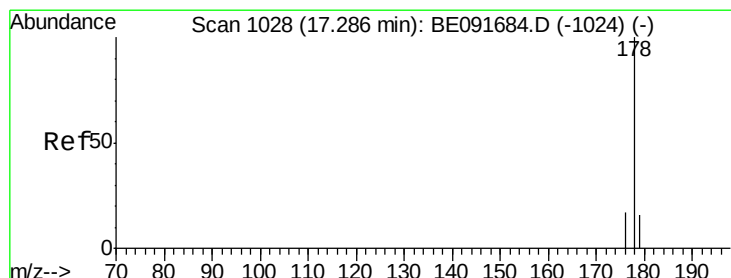
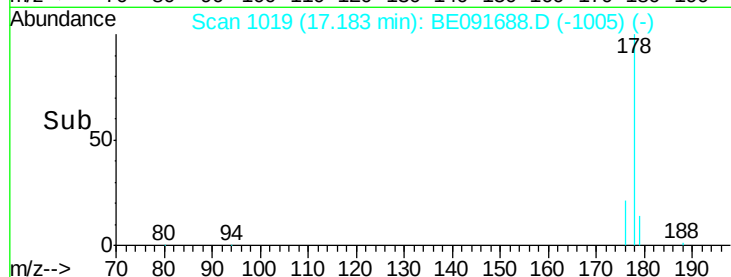
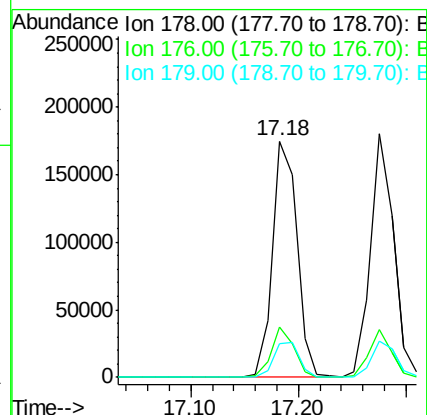
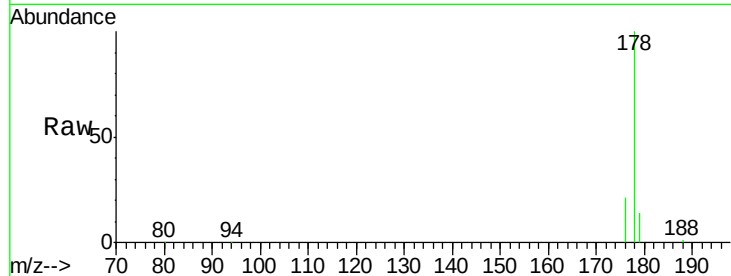




#23
Phenanthrene
Concen: 4.98 ng
RT: 17.18 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BE091688.D
Acq: 20 Apr 2016 16:57

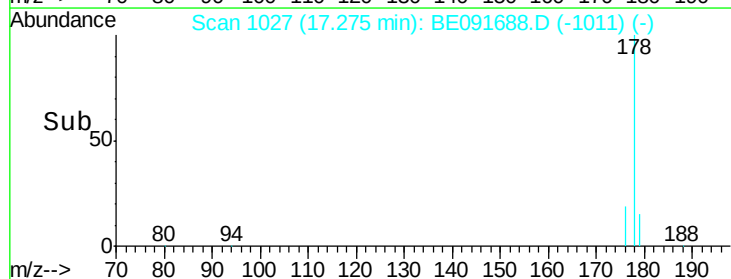
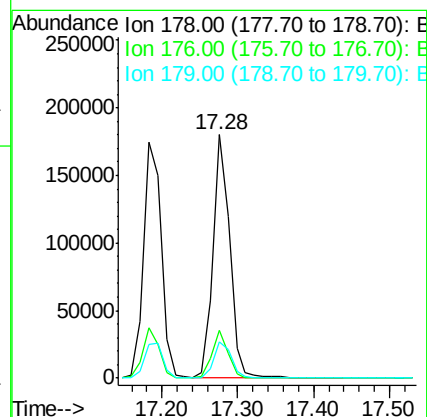
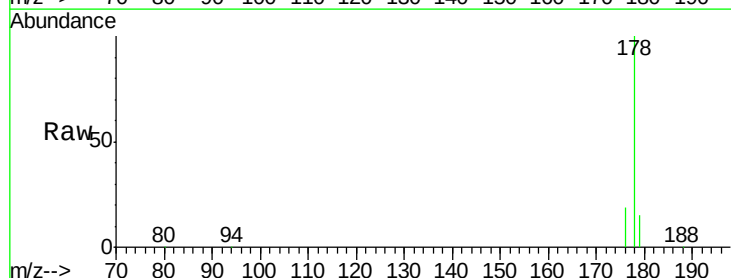
Instrument :
BNA_E
ClientSampled :

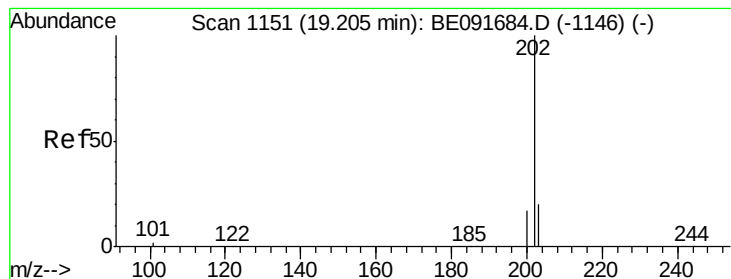
Tot Ion:178 Resp: 279276
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 15.4 12.6 18.8



#24
Anthracene
Concen: 5.45 ng
RT: 17.28 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BE091688.D
Acq: 20 Apr 2016 16:57

Tgt Ion:178 Resp: 271458
Ion Ratio Lower Upper
178 100
176 18.8 14.6 21.8
179 15.5 11.8 17.6





#25

Fluoranthene

Concen: 5.41 ng

RT: 19.19 min Scan# 1150

Delta R.T. -0.02 min

Lab File: BE091688.D

Acq: 20 Apr 2016 16:57

Instrument :

BNA_E

ClientSampleId :

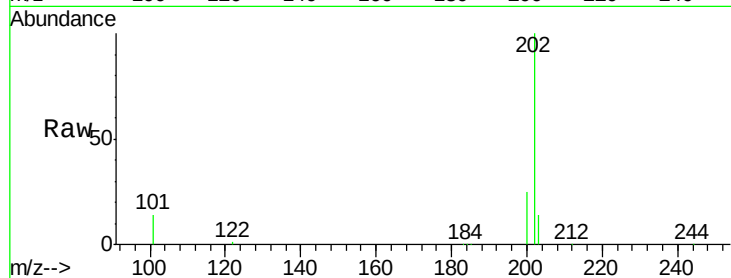
Tot Ion:202 Resp: 301271

Ion Ratio Lower Upper

202 100

101 11.8 11.0 16.6

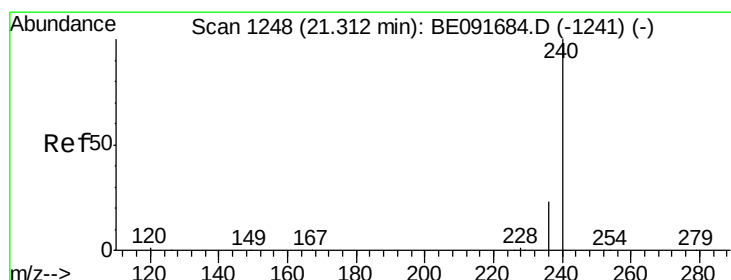
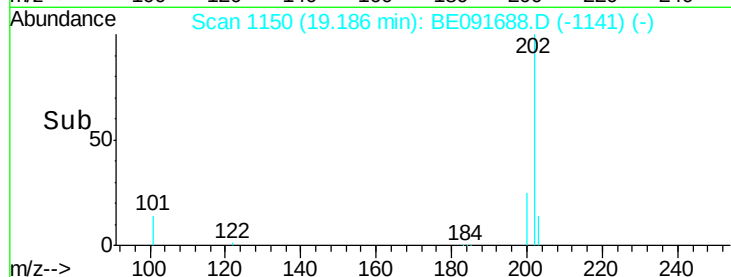
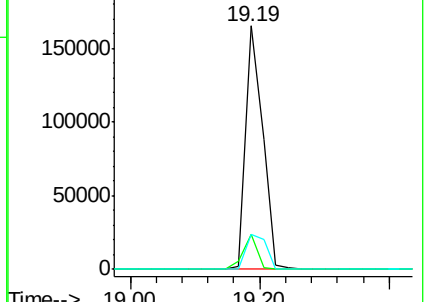
203 17.3 13.9 20.9



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: 21.31 min Scan# 1248

Delta R.T. -0.00 min

Lab File: BE091688.D

Acq: 20 Apr 2016 16:57

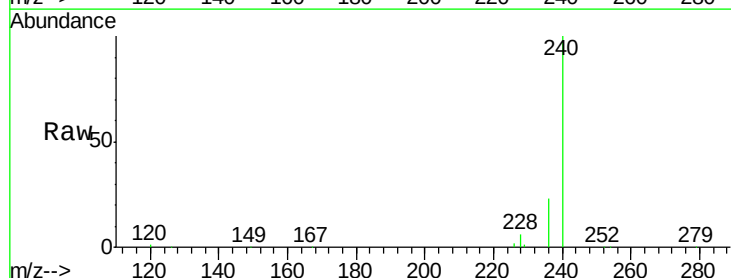
Tgt Ion:240 Resp: 271086

Ion Ratio Lower Upper

240 100

120 0.9 11.0 16.4#

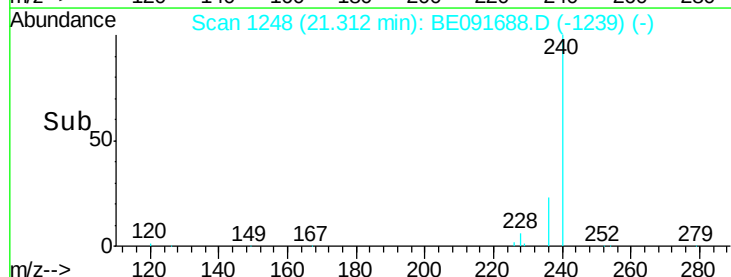
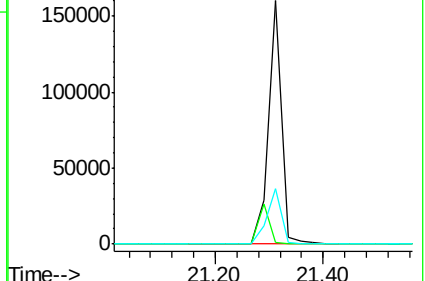
236 22.7 21.7 32.5

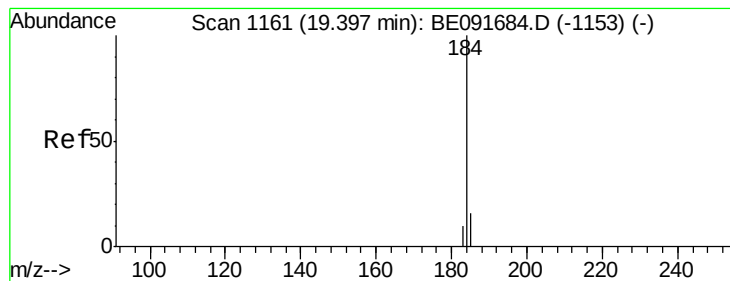


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 6.07 ng

RT: 19.38 min Scan# 1160

Delta R.T. -0.02 min

Lab File: BE091688.D

Acq: 20 Apr 2016 16:57

Instrument :

BNA_E

ClientSampleId :

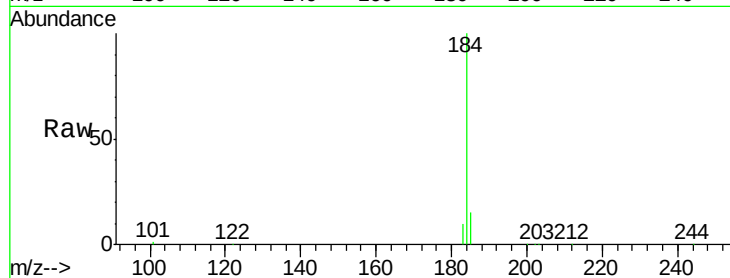
Tot Ion:184 Resp: 119442

Ion Ratio Lower Upper

184 100

185 14.7 22.3 33.5#

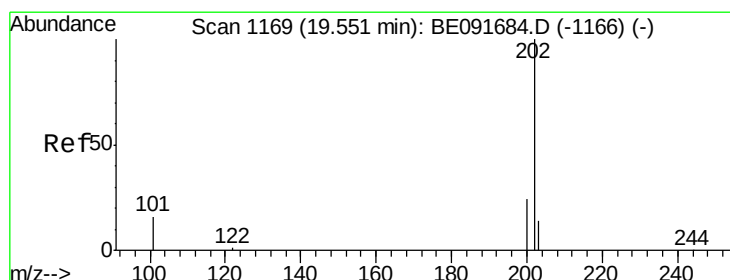
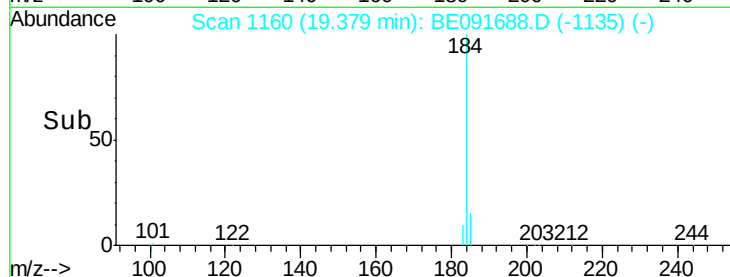
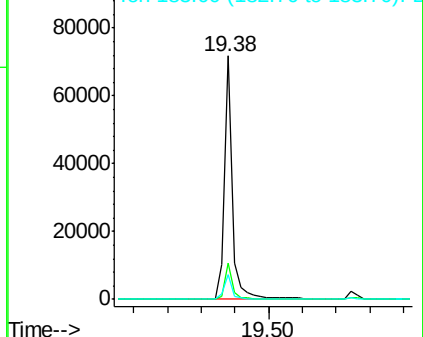
183 9.9 16.4 24.6#



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: 6.42 ng

RT: 19.55 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BE091688.D

Acq: 20 Apr 2016 16:57

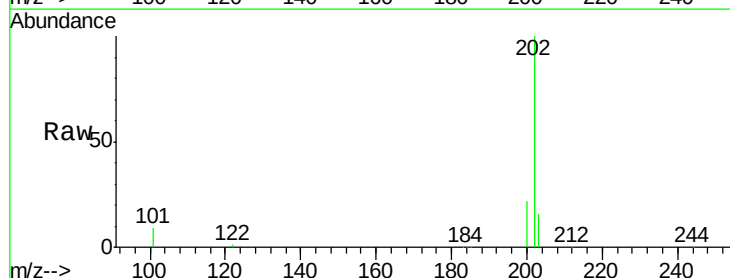
Tgt Ion:202 Resp: 347775

Ion Ratio Lower Upper

202 100

200 21.3 16.8 25.2

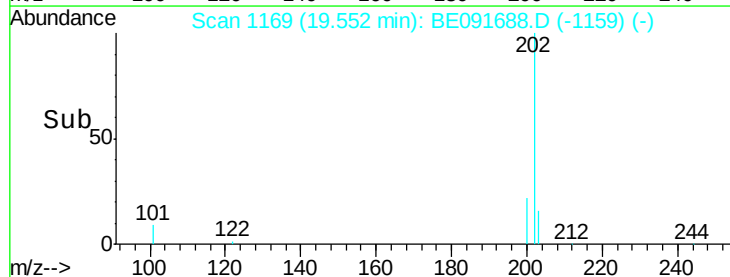
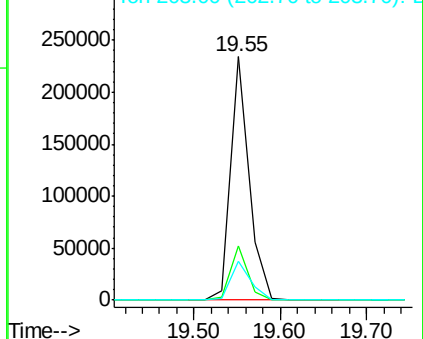
203 17.2 14.0 21.0

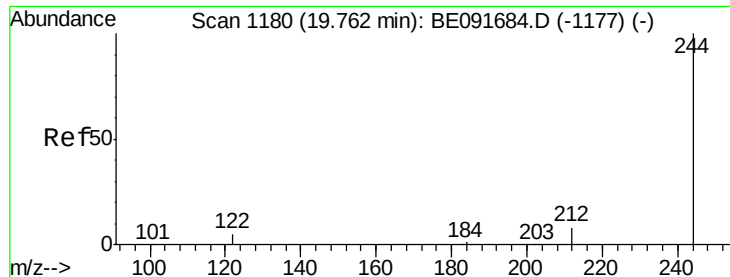


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 5.95 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091688.D

Acq: 20 Apr 2016 16:57

Instrument :

BNA_E

ClientSampleId :

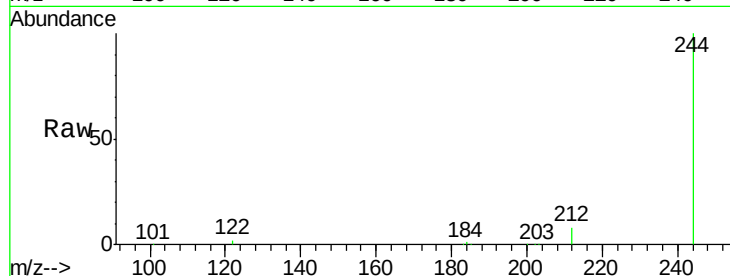
Tot Ion:244 Resp: 219772

Ion Ratio Lower Upper

244 100

212 7.9 6.9 10.3

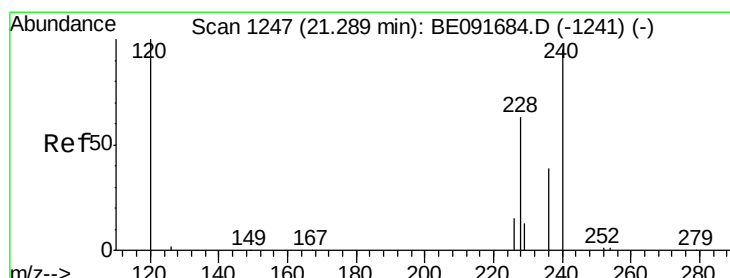
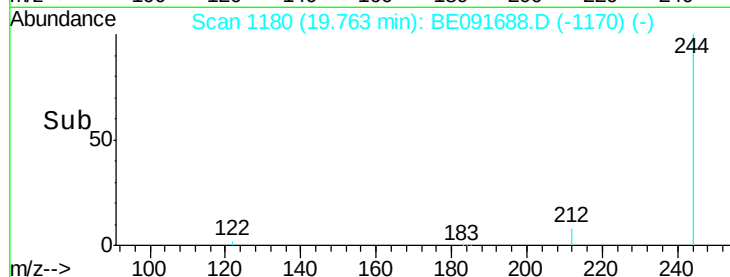
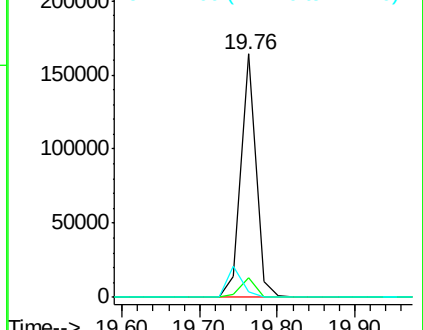
122 2.1 11.0 16.4#



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: 11.15 ng

RT: 21.34 min Scan# 1249

Delta R.T. 0.05 min

Lab File: BE091688.D

Acq: 20 Apr 2016 16:57

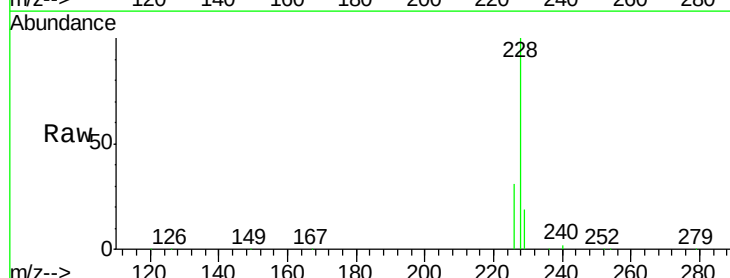
Tgt Ion:228 Resp: 700775

Ion Ratio Lower Upper

228 100

226 31.3 21.0 31.4

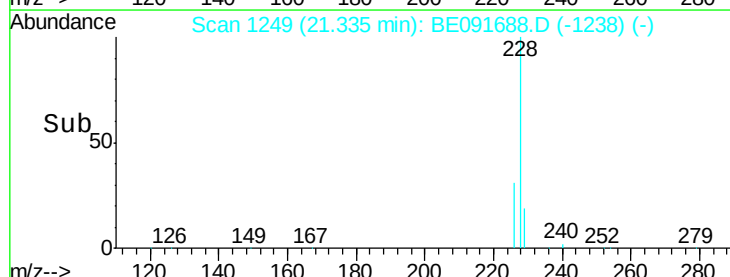
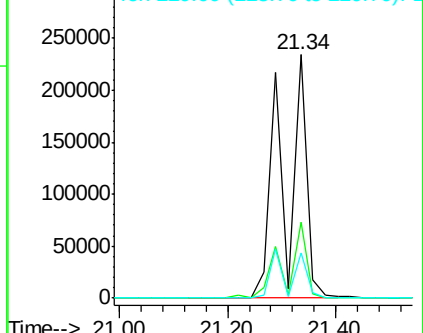
229 18.6 15.7 23.5

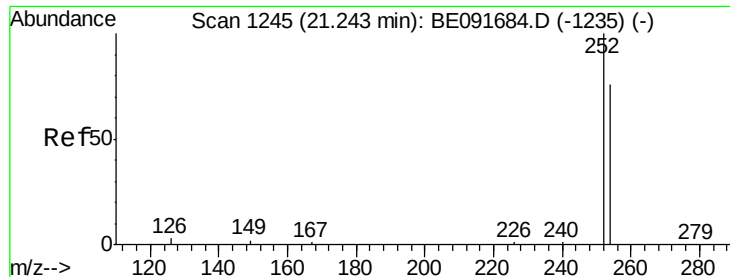


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

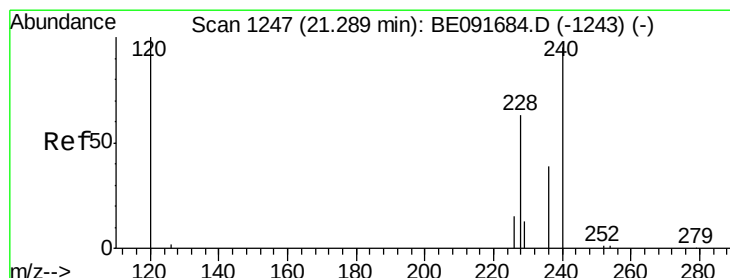
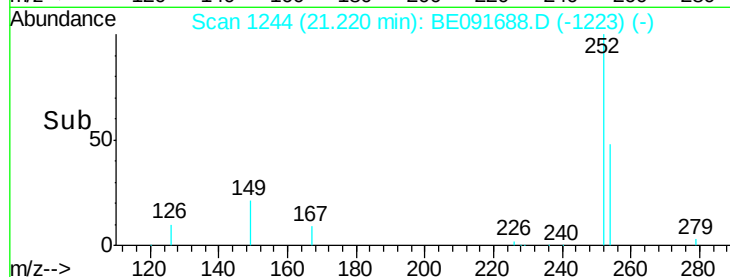
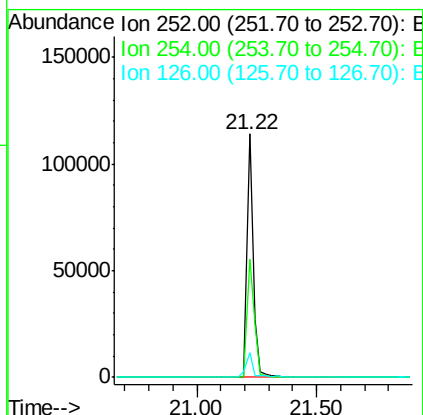
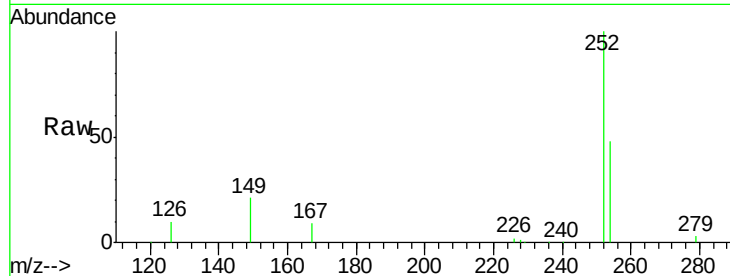




#31
 3,3'-Dichlorobenzidine
 Concen: 8.28 ng
 RT: 21.22 min Scan# 1244
 Delta R.T. -0.02 min
 Lab File: BE091688.D
 Acq: 20 Apr 2016 16:57

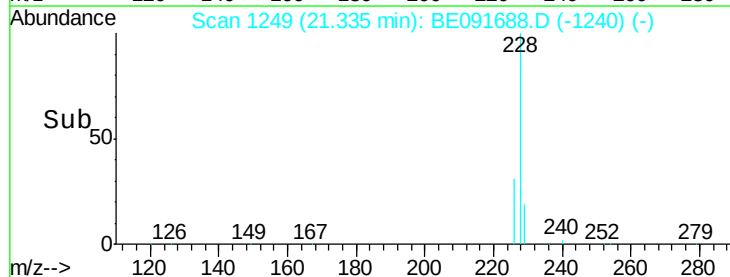
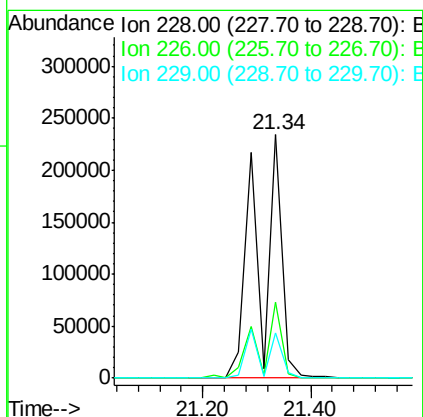
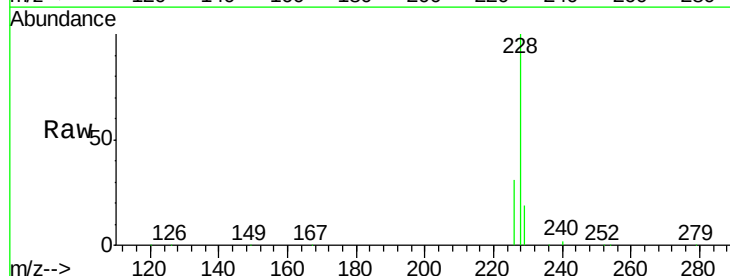
Instrument :
 BNA_E
 ClientSampleId :

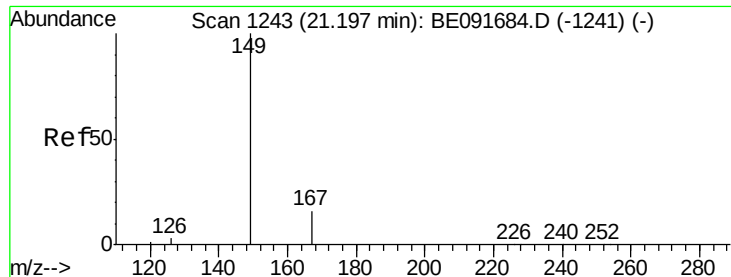
Tot Ion:252 Resp: 203805
 Ion Ratio Lower Upper
 252 100
 254 48.3 51.1 76.7#
 126 10.0 12.6 18.8#



#32
 Chrysene
 Concen: 11.03 ng
 RT: 21.34 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: BE091688.D
 Acq: 20 Apr 2016 16:57

Tgt Ion:228 Resp: 703176
 Ion Ratio Lower Upper
 228 100
 226 31.3 24.0 36.0
 229 18.6 15.9 23.9

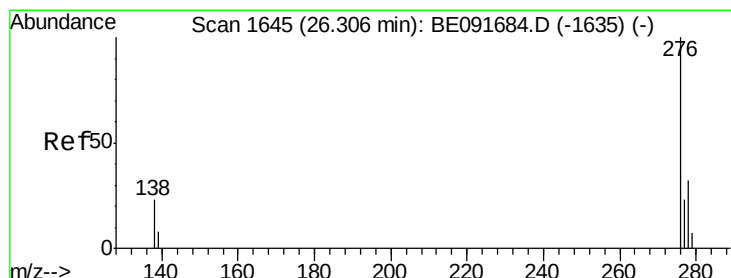
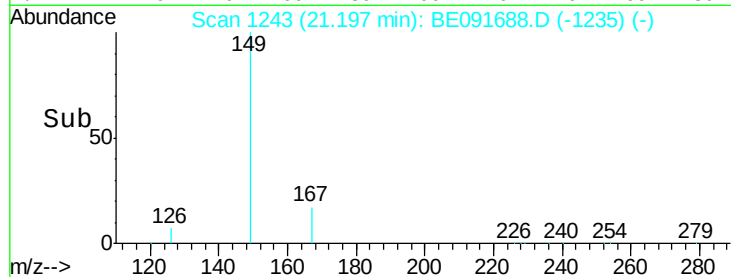
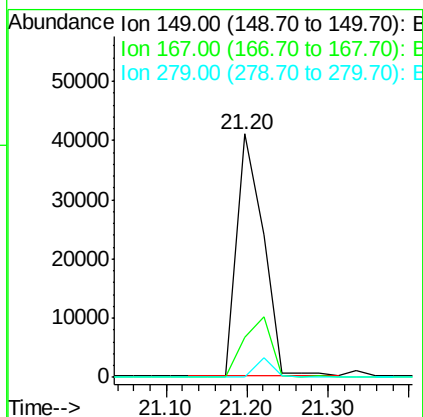
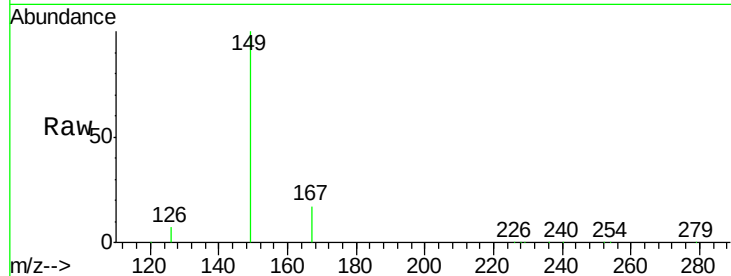




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 8.01 ng
 RT: 21.20 min Scan# 1243
 Delta R.T. -0.02 min
 Lab File: BE091688.D
 Acq: 20 Apr 2016 16:57

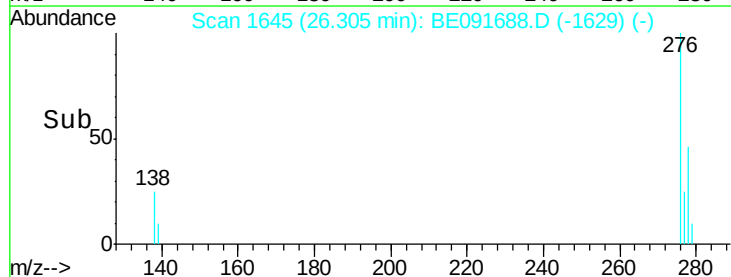
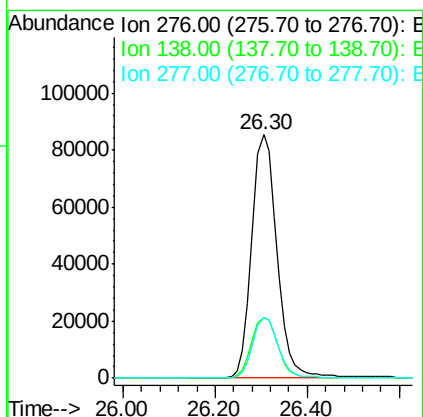
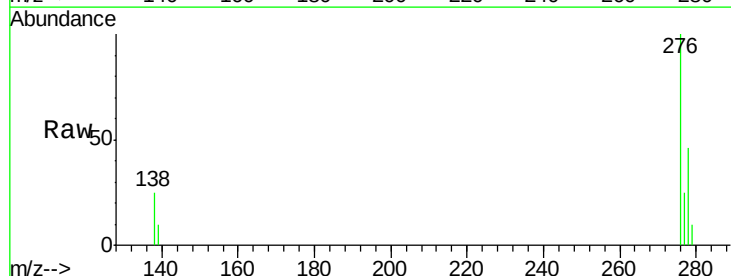
Instrument :
 BNA_E
 ClientSampleId :

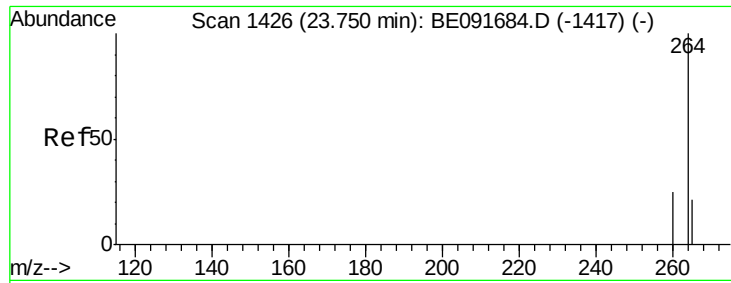
Tot Ion:149 Resp: 92284
 Ion Ratio Lower Upper
 149 100
 167 0.0 19.5 29.3#
 279 0.0 10.0 15.0#



#34
 Indeno(1,2,3-cd)pyrene
 Concen: 5.59 ng
 RT: 26.30 min Scan# 1645
 Delta R.T. -0.01 min
 Lab File: BE091688.D
 Acq: 20 Apr 2016 16:57

Tgt Ion:276 Resp: 324561
 Ion Ratio Lower Upper
 276 100
 138 26.4 23.4 35.2
 277 25.0 19.8 29.8

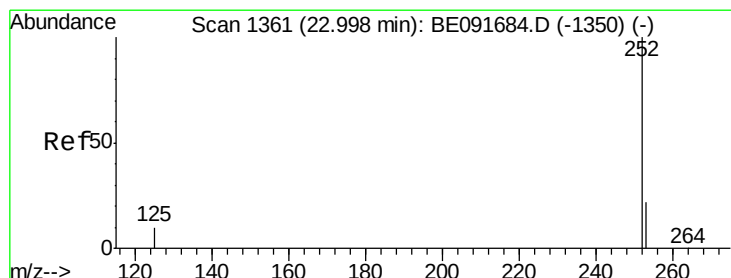
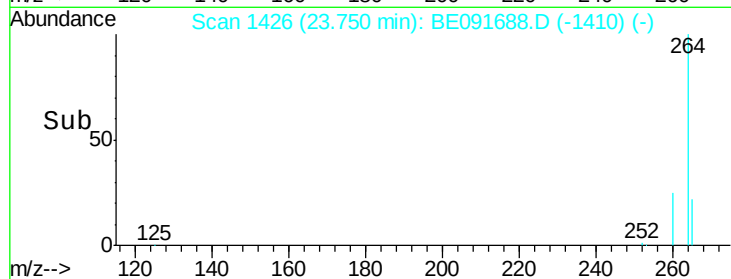
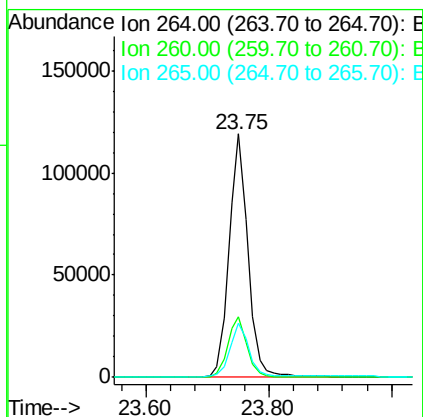
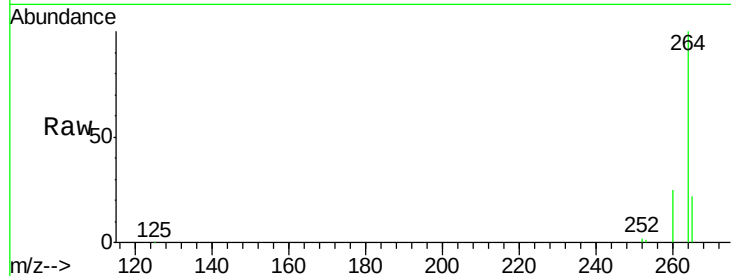




#35
Pervlene-d12
Concen: 5.00 ng
RT: 23.75 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BE091688.D
Acq: 20 Apr 2016 16:57

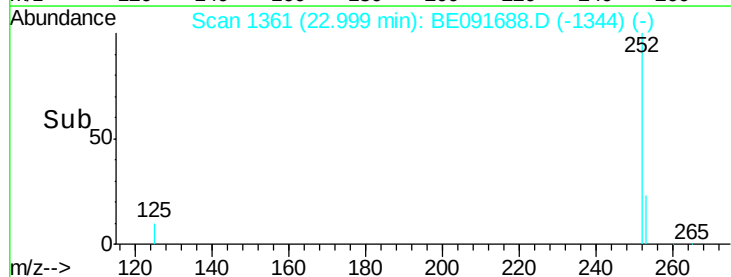
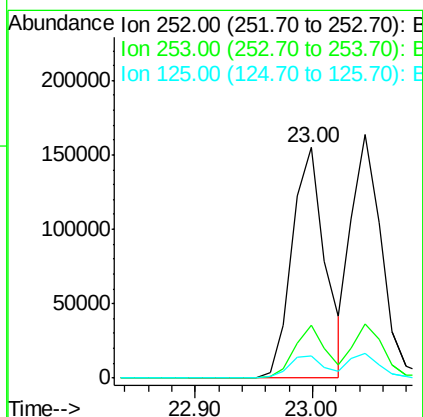
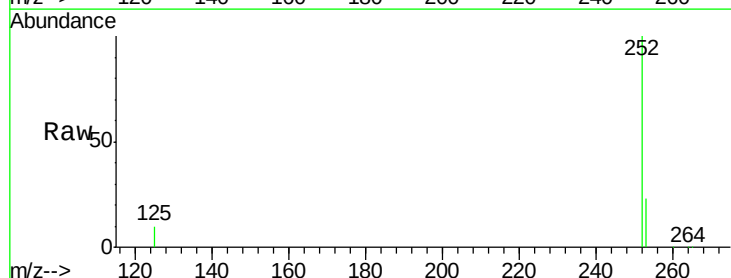
Instrument :
BNA_E
ClientSampleId :

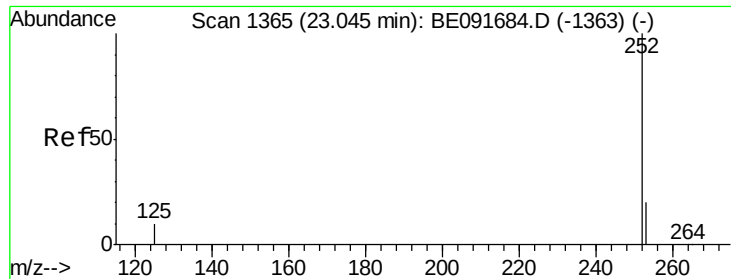
Tot Ion:264 Resp: 254301
Ion Ratio Lower Upper
264 100
260 24.9 20.0 30.0
265 22.2 17.5 26.3



#36
Benzo(b)fluoranthene
Concen: 5.41 ng
RT: 23.00 min Scan# 1361
Delta R.T. 0.00 min
Lab File: BE091688.D
Acq: 20 Apr 2016 16:57

Tgt Ion:252 Resp: 302900
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 9.8 10.2 15.2#





#37

Benzo(k)fluoranthene

Concen: 4.93 ng

RT: 23.04 min Scan# 1365

Delta R.T. -0.01 min

Lab File: BE091688.D

Acq: 20 Apr 2016 16:57

Instrument :

BNA_E

ClientSampleId :

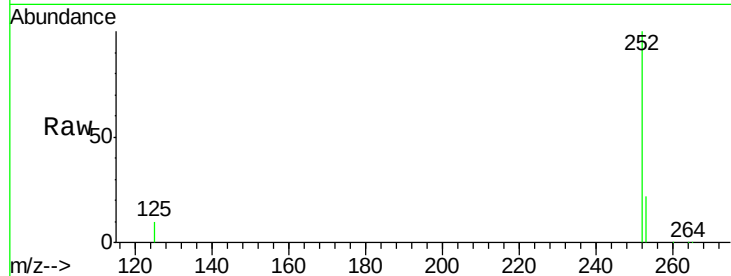
Tot Ion:252 Resp: 292825

Ion Ratio Lower Upper

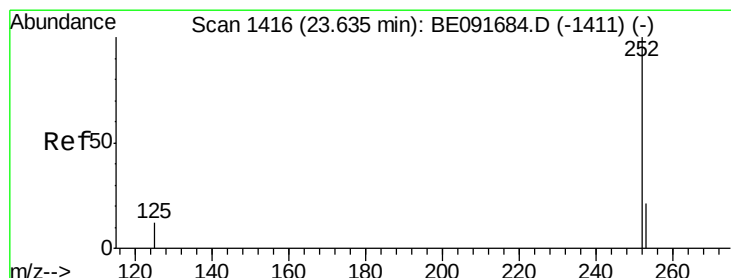
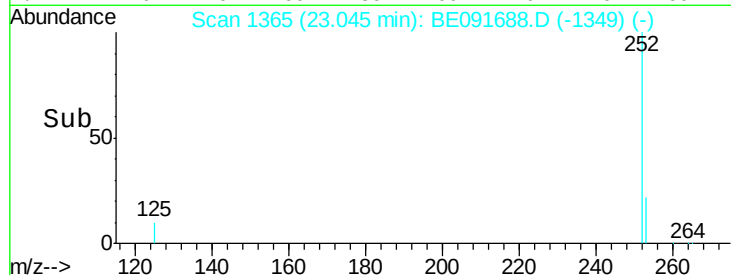
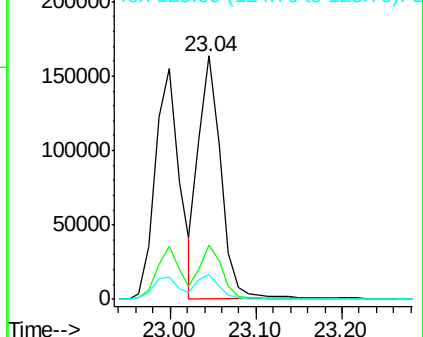
252 100

253 22.2 17.6 26.4

125 10.1 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: 5.27 ng

RT: 23.63 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BE091688.D

Acq: 20 Apr 2016 16:57

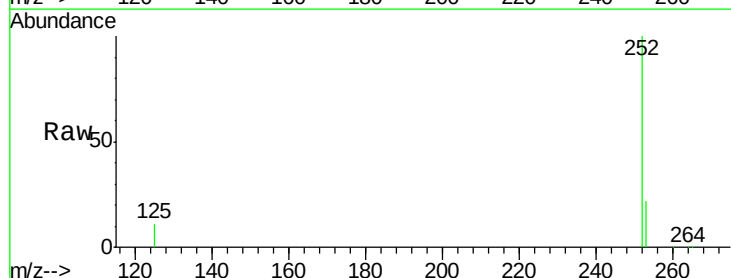
Tgt Ion:252 Resp: 275125

Ion Ratio Lower Upper

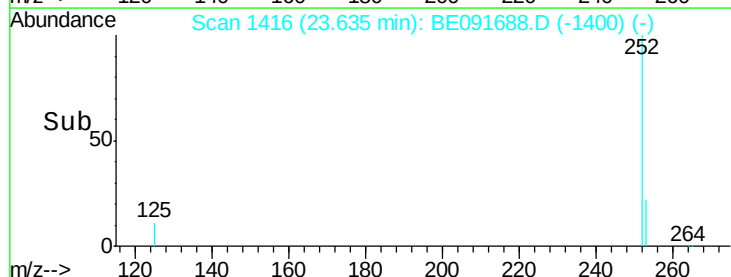
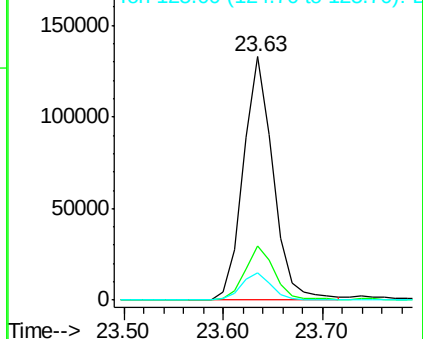
252 100

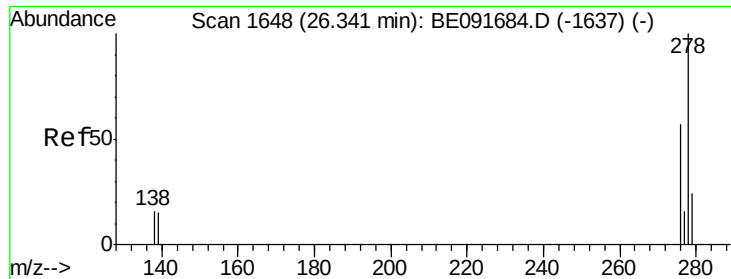
253 22.3 18.1 27.1

125 11.3 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: 5.34 ng

RT: 26.33 min Scan# 1647

Delta R.T. -0.01 min

Lab File: BE091688.D

Acq: 20 Apr 2016 16:57

Instrument :

BNA_E

ClientSampleId :

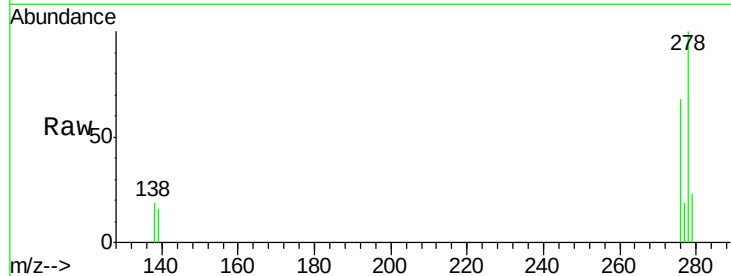
Tot Ion:278 Resp: 272162

Ion Ratio Lower Upper

278 100

139 16.3 16.0 24.0

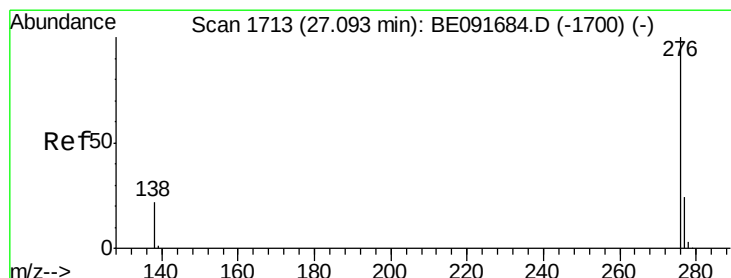
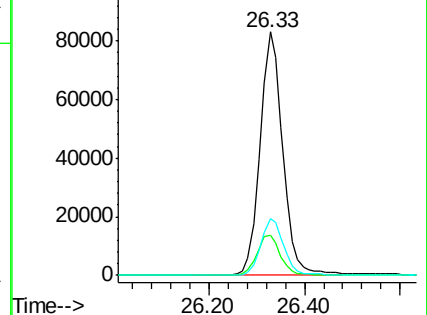
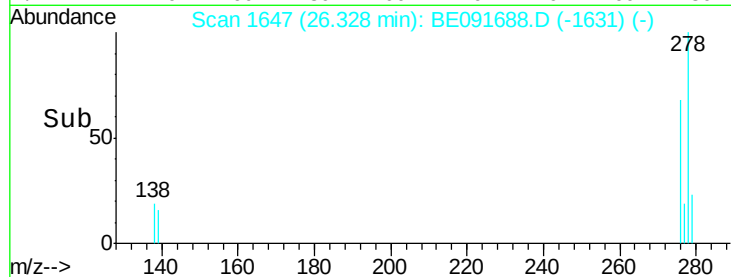
279 23.4 19.4 29.2



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: 5.16 ng

RT: 27.09 min Scan# 1713

Delta R.T. -0.01 min

Lab File: BE091688.D

Acq: 20 Apr 2016 16:57

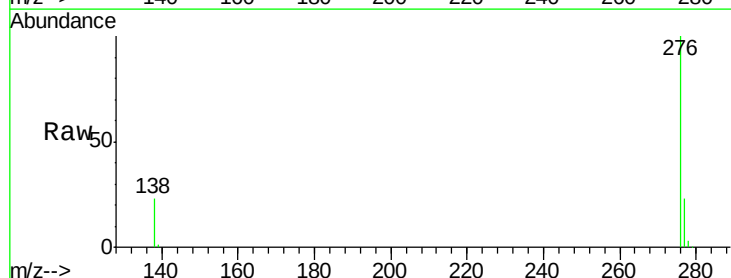
Tgt Ion:276 Resp: 272899

Ion Ratio Lower Upper

276 100

277 23.4 18.6 28.0

138 23.0 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

