

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041816\
 Data File : BE091671.D
 Acq On : 18 Apr 2016 19:45
 Operator : UM/SJ
 Sample : PB89886BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB89886BS

Quant Time: Apr 19 05:10:58 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE041816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 18 17:20:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	37224	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	181934	5.00	ng	0.00
13) Acenaphthene-d10	14.42	164	112263	5.00	ng	0.00
19) Phenanthrene-d10	17.15	188	264764	5.00	ng	0.00
26) Chrysene-d12	21.31	240	325368	5.00	ng	0.00
35) Perylene-d12	23.75	264	293139	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	44685	5.51	ng	-0.02
5) Phenol-d6	6.97	99	65299	5.98	ng	0.00
8) Nitrobenzene-d5	8.96	82	28886	3.10	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	22062	6.82	ng	-0.01
15) 2-Fluorobiphenyl	13.05	172	92947	2.97	ng	0.00
29) Terphenyl-d14	19.76	244	148170	3.34	ng	0.00

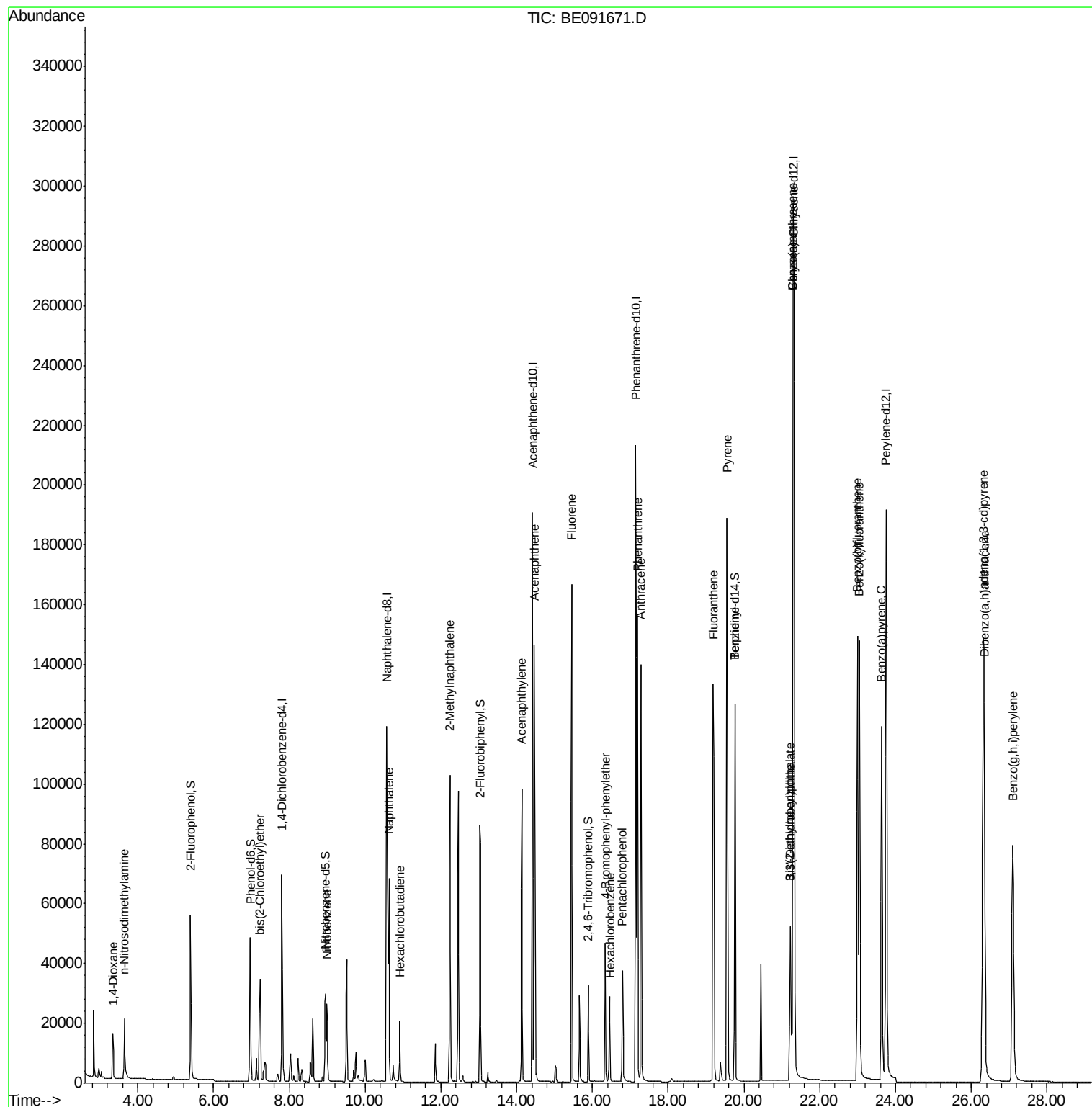
Target Compounds						Qvalue
2) 1,4-Dioxane	3.35	88	10944	2.71	ng	# 87
3) n-Nitrosodimethylamine	3.65	42	16251	3.04	ng	96
6) bis(2-Chloroethyl)ether	7.23	93	29158	2.91	ng	# 75
9) Nitrobenzene	8.99	77	30865	3.29	ng	95
10) Naphthalene	10.63	128	104973	2.83	ng	98
11) Hexachlorobutadiene	10.92	225	16229	3.02	ng	97
12) 2-Methylnaphthalene	12.24	142	75295	3.18	ng	96
16) Acenaphthylene	14.13	152	129109	3.12	ng	# 86
17) Acenaphthene	14.47	154	82133	2.97	ng	93
18) Fluorene	15.46	166	102701	3.04	ng	99
20) 4-Bromophenyl-phenylether	16.34	248	27423	2.99	ng	97
21) Hexachlorobenzene	16.46	284	29023	2.98	ng	96
22) Pentachlorophenol	16.79	266	26597	6.11	ng	# 89
23) Phenanthrene	17.19	178	183524	3.05	ng	99
24) Anthracene	17.28	178	172463	3.23	ng	98
25) Fluoranthene	19.19	202	191489	3.20	ng	98
27) Benzidine	19.76	184	2233	0.14	ng	95
28) Pyrene	19.55	202	213809	3.29	ng	99
30) Benzo(a)anthracene	21.29	228	481296	6.38	ng	97
31) 3,3'-Dichlorobenzidine	21.22	252	29178	0.93	ng	# 80
32) Chrysene	21.29	228	483192	6.31	ng	94
33) Bis(2-ethylhexyl)phthalate	21.22	149	53160	3.00	ng	# 85
34) Indeno(1,2,3-cd)pyrene	26.32	276	229745	3.30	ng	97
36) Benzo(b)fluoranthene	23.00	252	211905	3.28	ng	97
37) Benzo(k)fluoranthene	23.05	252	217837	3.18	ng	97
38) Benzo(a)pyrene	23.64	252	197816	3.29	ng	96
39) Dibenzo(a,h)anthracene	26.34	278	191129	3.25	ng	96
40) Benzo(g,h,i)perylene	27.10	276	193748	3.18	ng	96

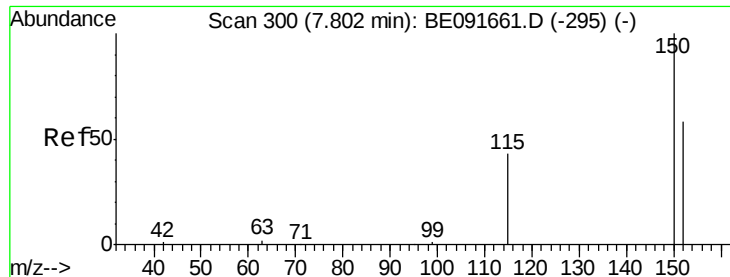
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE091671.D

Acq: 18 Apr 2016 19:45

Instrument :

BNA_E

ClientSampleId :

PB89886BS

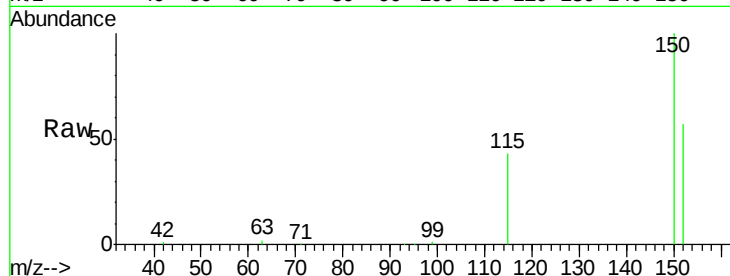
Tgt Ion:152 Resp: 37224

Ion Ratio Lower Upper

152 100

150 173.9 122.6 183.8

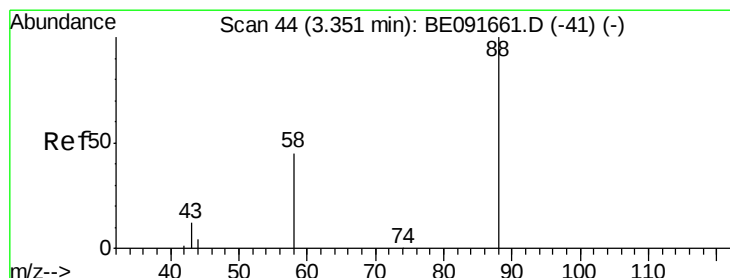
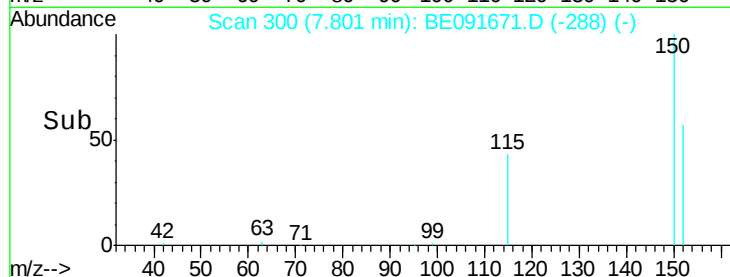
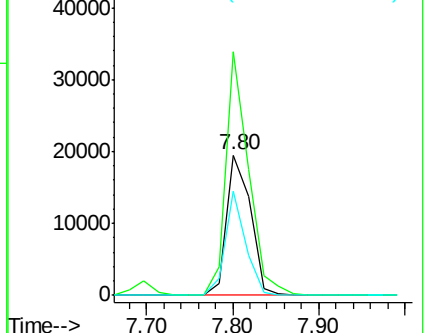
115 74.6 52.8 79.2



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: 2.71 ng

RT: 3.35 min Scan# 44

Delta R.T. 0.00 min

Lab File: BE091671.D

Acq: 18 Apr 2016 19:45

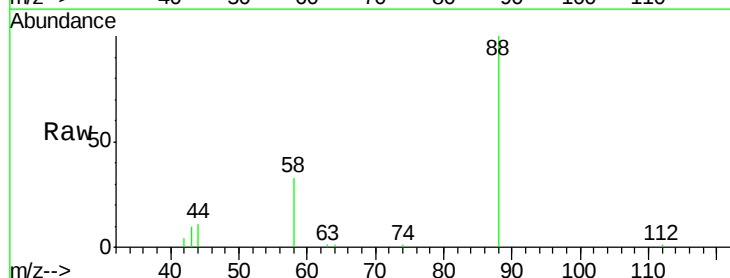
Tgt Ion: 88 Resp: 10944

Ion Ratio Lower Upper

88 100

58 92.5 65.8 98.6

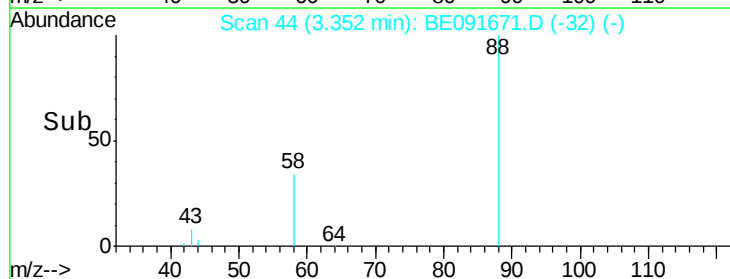
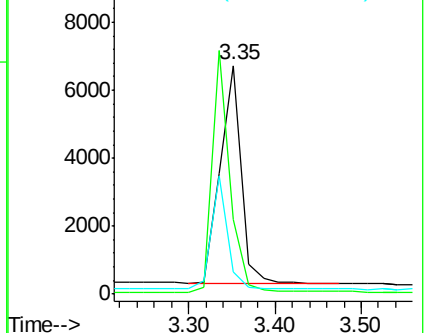
43 40.1 25.3 37.9#

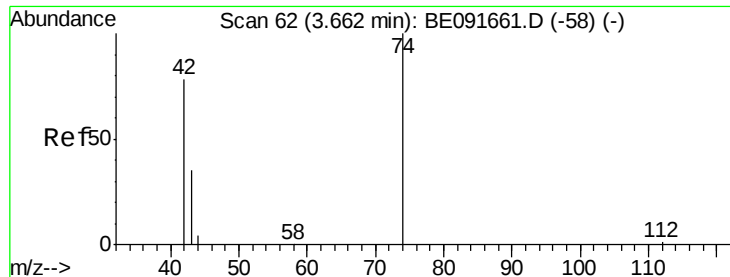


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.04 ng

RT: 3.65 min Scan# 61

Delta R.T. -0.02 min

Lab File: BE091671.D

Acq: 18 Apr 2016 19:45

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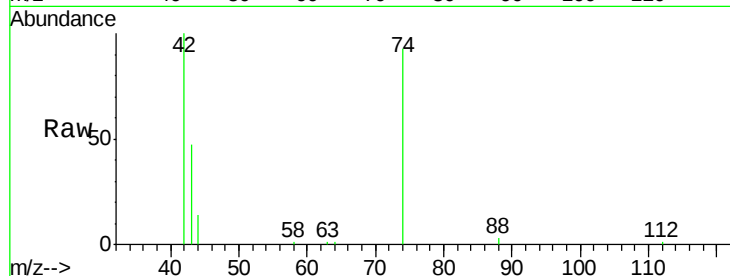
Tgt Ion: 42 Resp: 16251

Ion Ratio Lower Upper

42 100

74 105.3 87.9 131.9

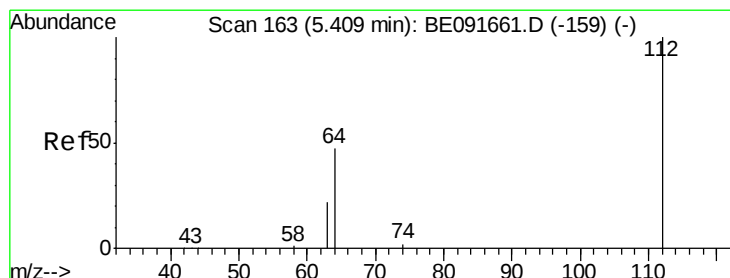
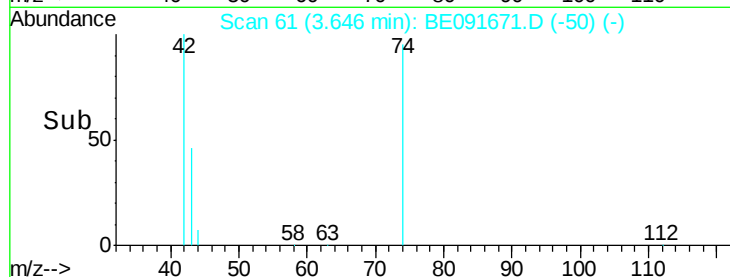
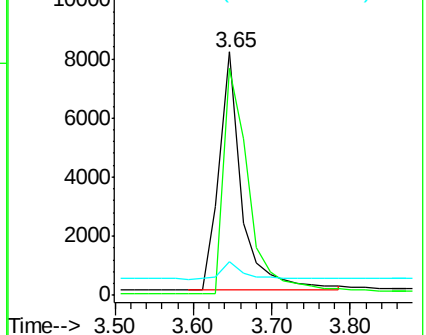
44 7.2 6.6 9.8



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: 5.51 ng

RT: 5.39 min Scan# 162

Delta R.T. -0.02 min

Lab File: BE091671.D

Acq: 18 Apr 2016 19:45

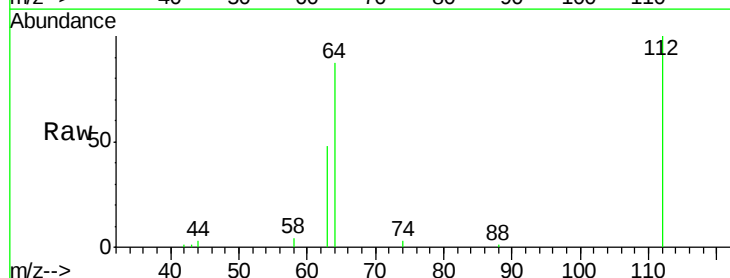
Tgt Ion: 112 Resp: 44685

Ion Ratio Lower Upper

112 100

64 68.3 30.9 46.3#

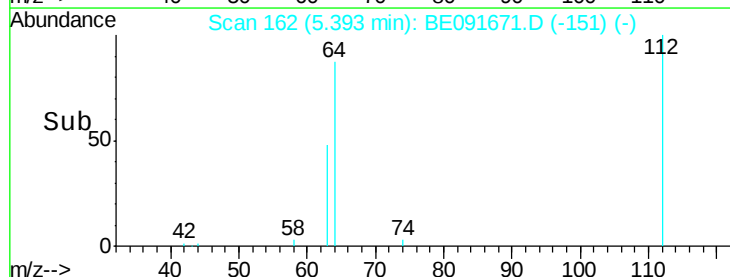
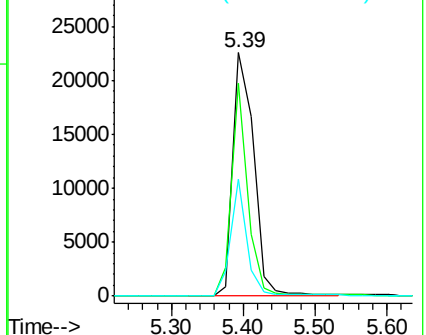
63 37.3 16.7 25.1#

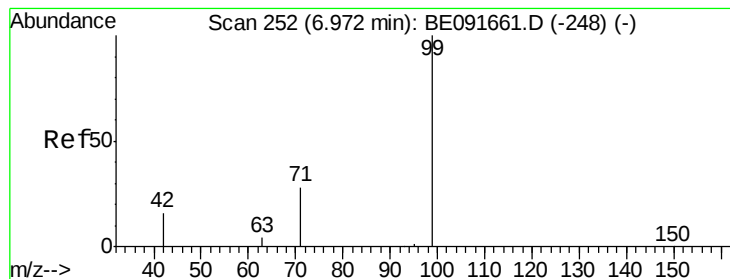


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 5.98 ng

RT: 6.97 min Scan# 252

Delta R.T. -0.00 min

Lab File: BE091671.D

Acq: 18 Apr 2016 19:45

Instrument :

BNA_E

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PB89886BS

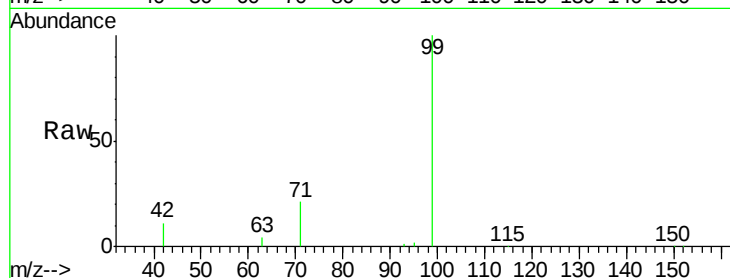
Tgt Ion: 99 Resp: 65299

Ion Ratio Lower Upper

99 100

42 26.3 16.2 24.2#

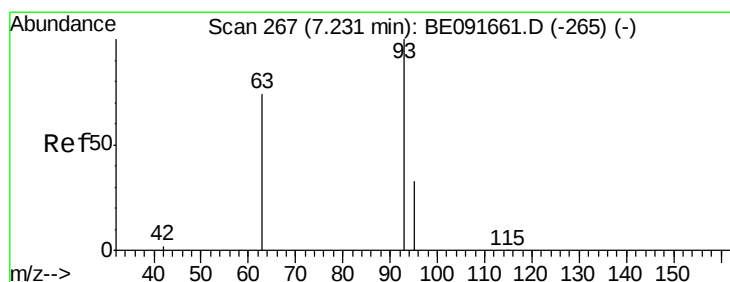
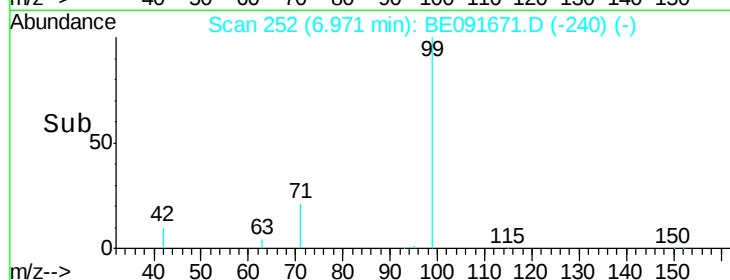
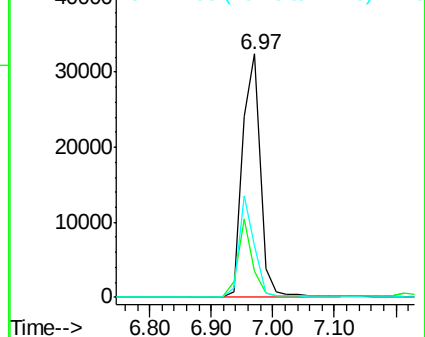
71 36.1 29.0 43.4



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 2.91 ng

RT: 7.23 min Scan# 267

Delta R.T. -0.00 min

Lab File: BE091671.D

Acq: 18 Apr 2016 19:45

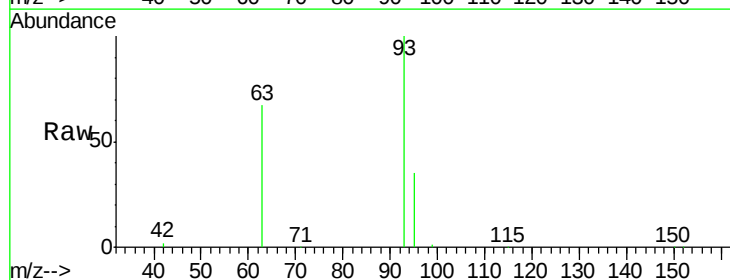
Tgt Ion: 93 Resp: 29158

Ion Ratio Lower Upper

93 100

63 86.9 49.5 74.3#

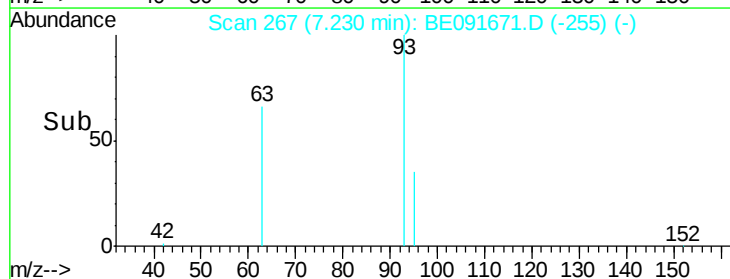
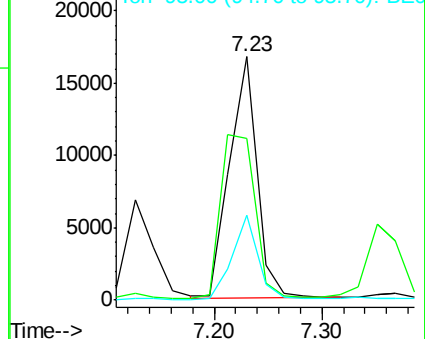
95 32.7 22.2 33.4

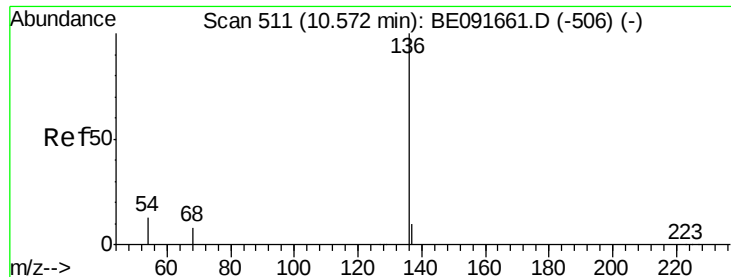


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE091671.D

Acq: 18 Apr 2016 19:45

Instrument :

BNA_E

ClientSampleId :

PB89886BS

Tgt Ion:136 Resp: 181934

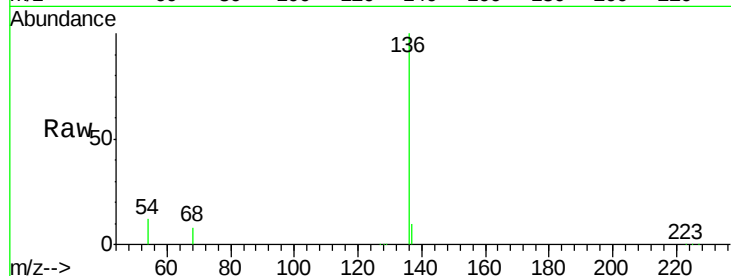
Ion Ratio Lower Upper

136 100

137 10.2 8.9 13.3

54 11.7 8.2 12.4

68 7.9 6.2 9.4

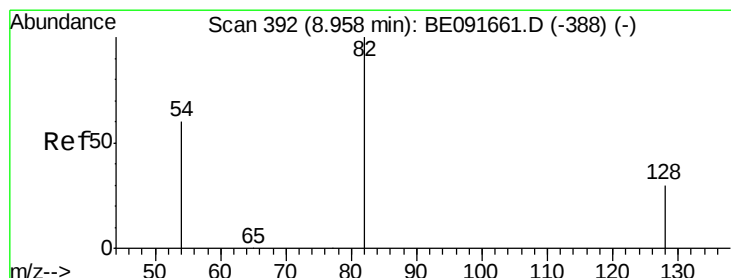
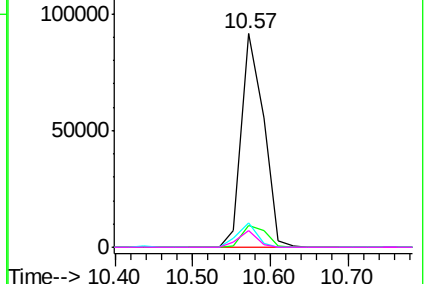
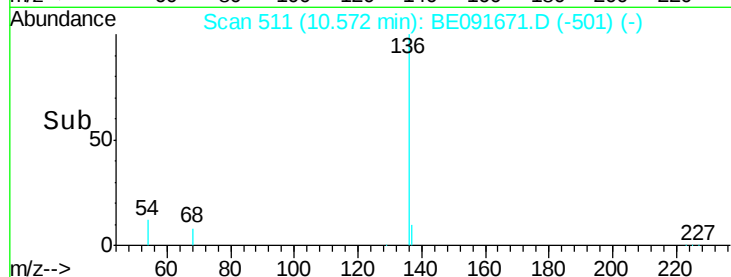


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.10 ng

RT: 8.96 min Scan# 392

Delta R.T. -0.00 min

Lab File: BE091671.D

Acq: 18 Apr 2016 19:45

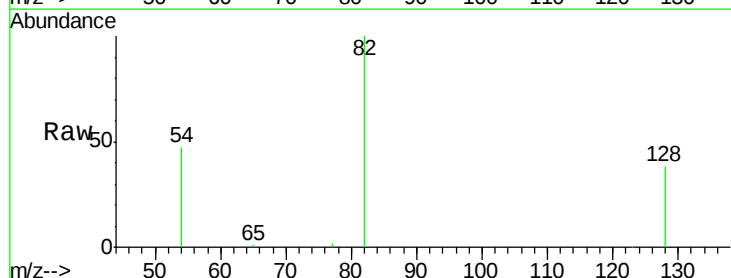
Tgt Ion: 82 Resp: 28886

Ion Ratio Lower Upper

82 100

128 38.0 25.4 38.0

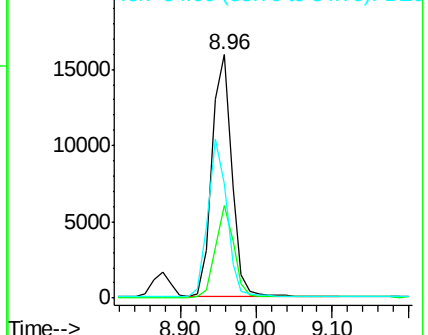
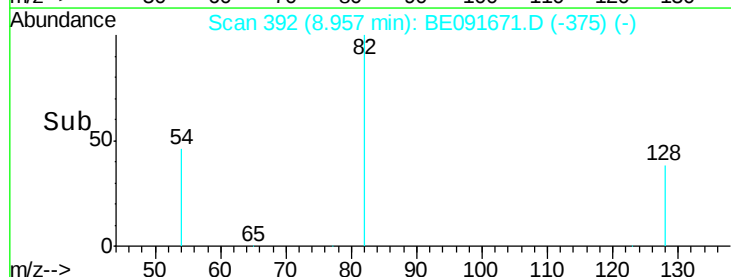
54 46.7 48.4 72.6#

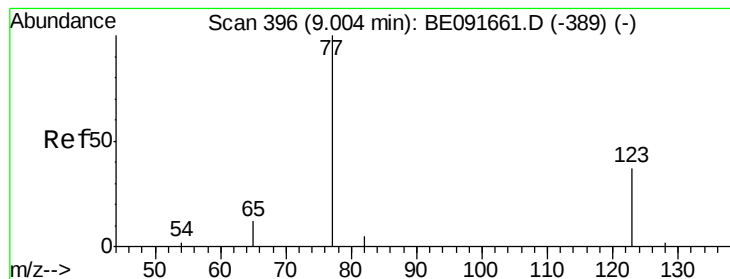


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 3.29 ng

RT: 8.99 min Scan# 395

Delta R.T. -0.01 min

Lab File: BE091671.D

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Instrument :

BNA_E

ClientSampleId :

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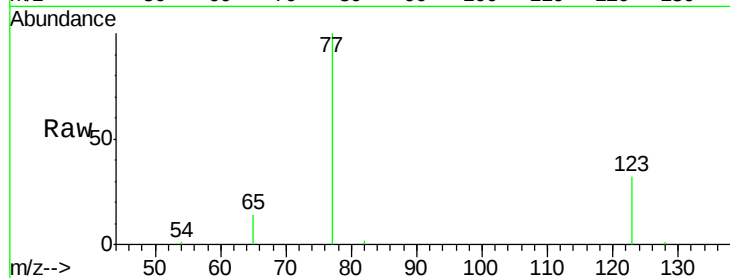
Tgt Ion: 77 Resp: 30865

Ion Ratio Lower Upper

77 100

123 36.7 26.9 40.3

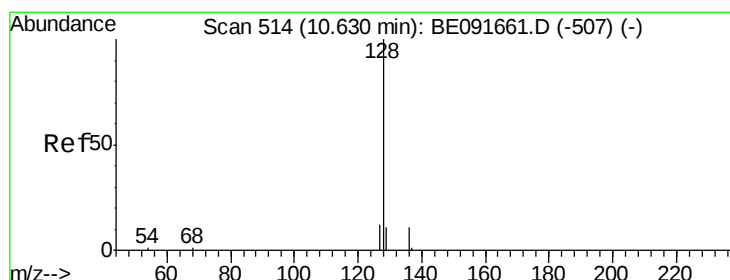
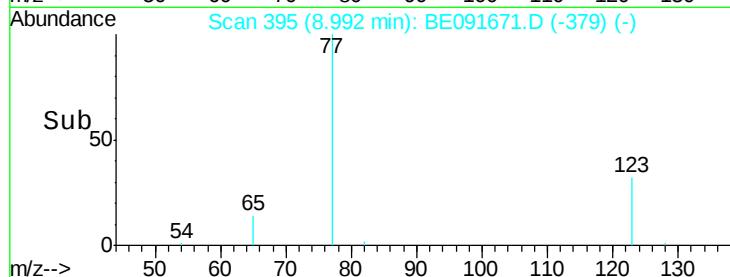
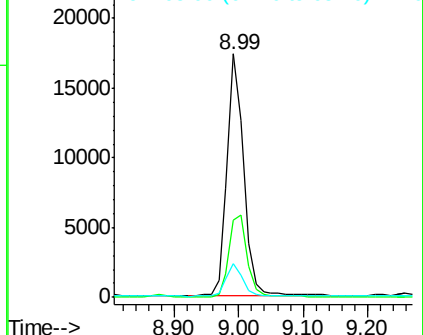
65 13.8 9.4 14.2



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: 2.83 ng

RT: 10.63 min Scan# 514

Delta R.T. -0.00 min

Lab File: BE091671.D

Acq: 18 Apr 2016 19:45

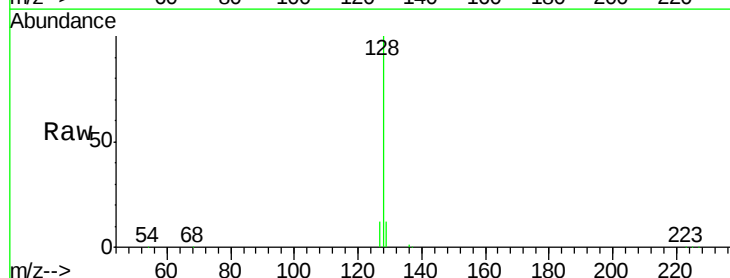
Tgt Ion: 128 Resp: 104973

Ion Ratio Lower Upper

128 100

129 11.6 9.3 13.9

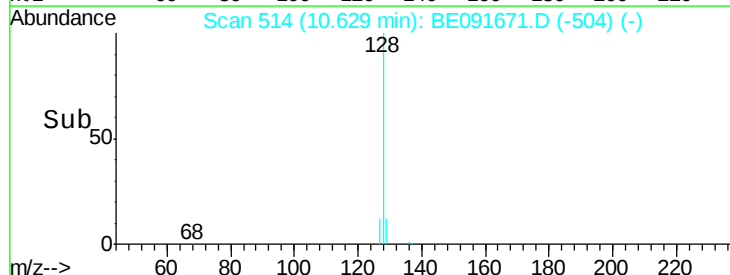
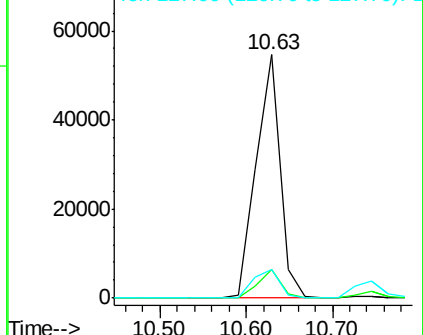
127 11.9 10.7 16.1

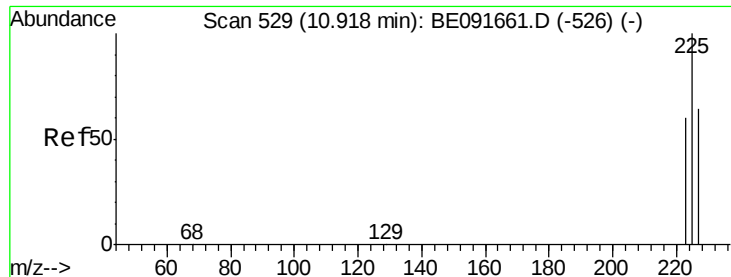


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

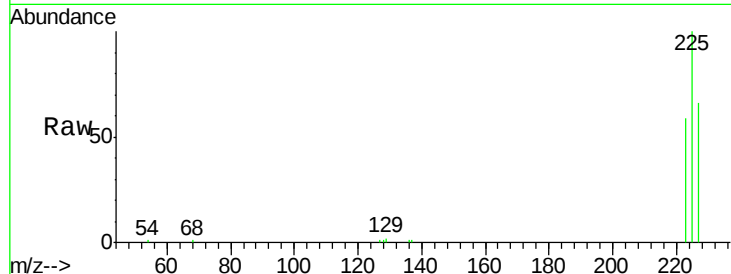




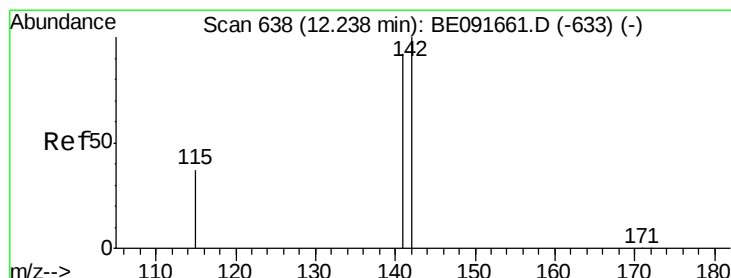
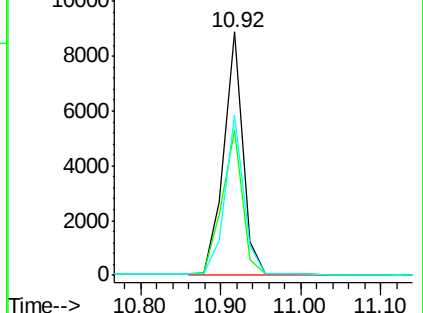
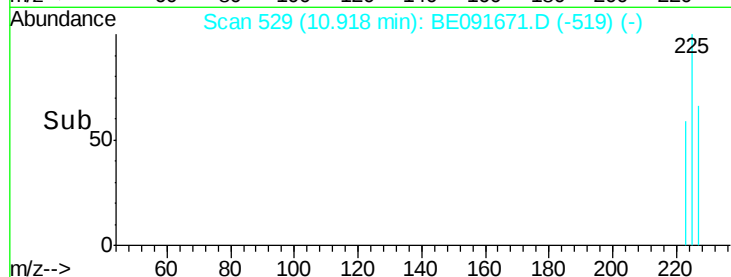
#11
Hexachlorobutadiene
Concen: 3.02 ng
RT: 10.92 min Scan# 529
Delta R.T. -0.00 min
Lab File: BE091671.D
Acq: 18 Apr 2016 19:45

Instrument :
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Tgt Ion: 225 Resp: 16229
Ion Ratio Lower Upper
225 100
223 63.7 49.0 73.6
227 64.9 50.3 75.5

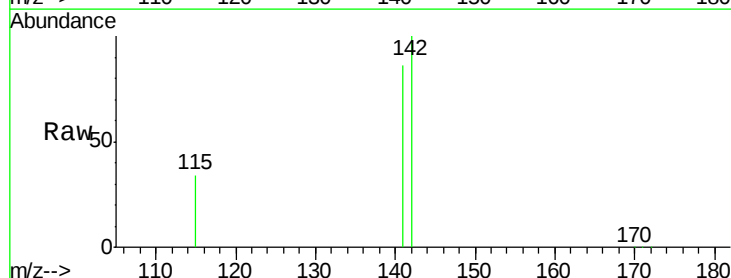


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

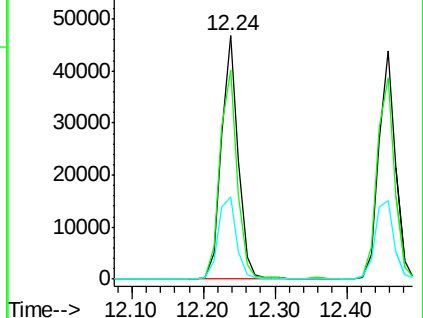
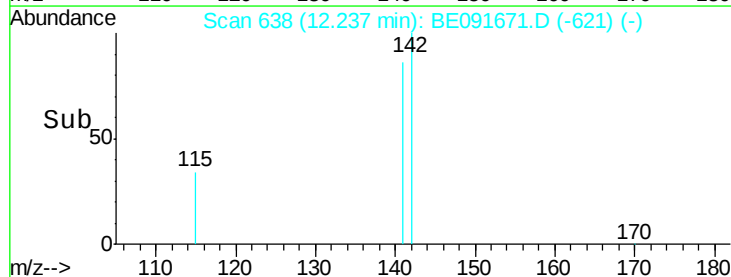


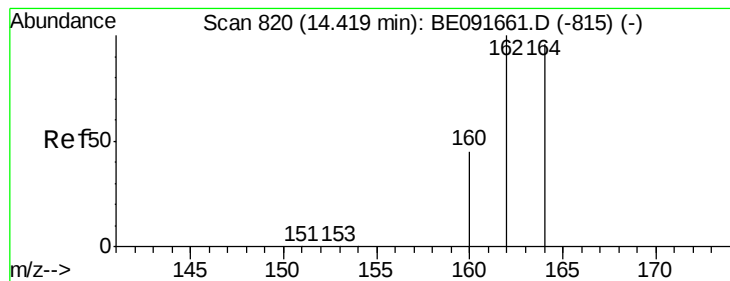
#12
2-Methylnaphthalene
Concen: 3.18 ng
RT: 12.24 min Scan# 638
Delta R.T. -0.00 min
Lab File: BE091671.D
Acq: 18 Apr 2016 19:45

Tgt Ion: 142 Resp: 75295
Ion Ratio Lower Upper
142 100
141 86.1 71.4 107.0
115 33.6 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: BE091671.D

Acq: 18 Apr 2016 19:45

Instrument :

BNA_E

ClientSampleId :

PB89886BS

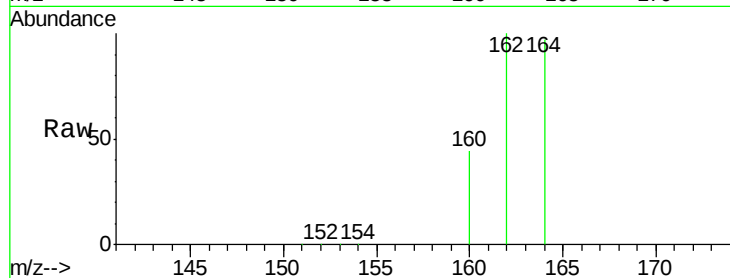
Tgt Ion:164 Resp: 112263

Ion Ratio Lower Upper

164 100

162 103.6 85.3 127.9

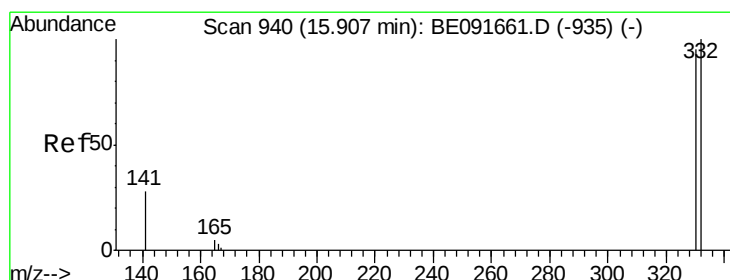
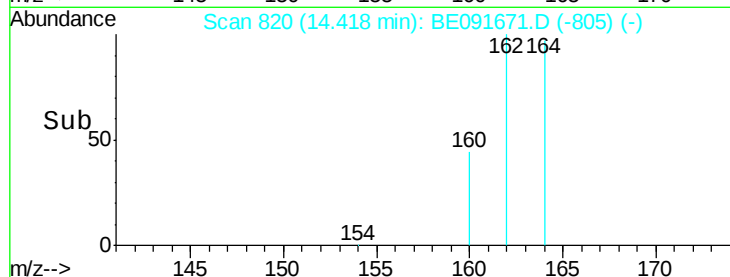
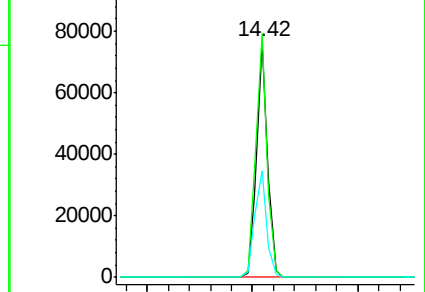
160 45.5 46.2 69.2#



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 6.82 ng

RT: 15.90 min Scan# 939

Delta R.T. -0.01 min

Lab File: BE091671.D

Acq: 18 Apr 2016 19:45

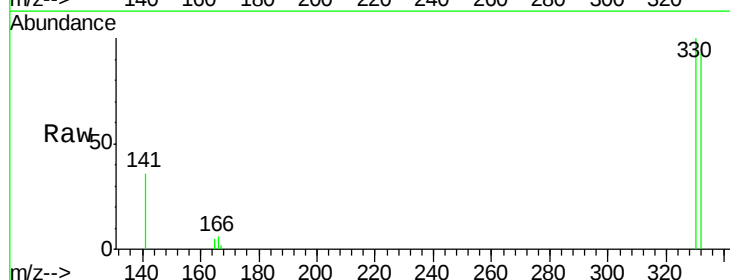
Tgt Ion:330 Resp: 22062

Ion Ratio Lower Upper

330 100

332 98.1 79.1 118.7

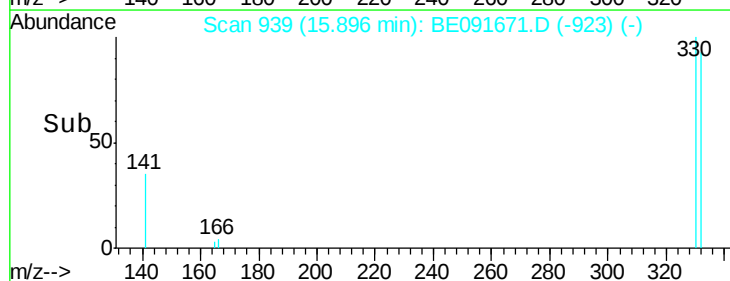
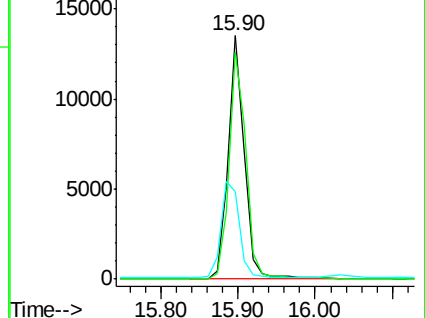
141 40.0 125.4 188.0#

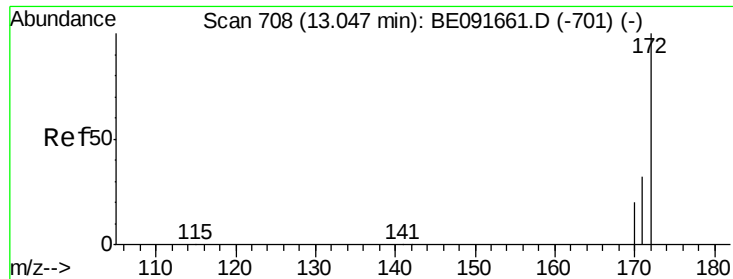


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

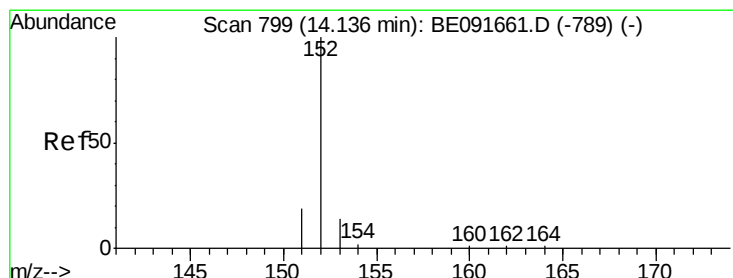
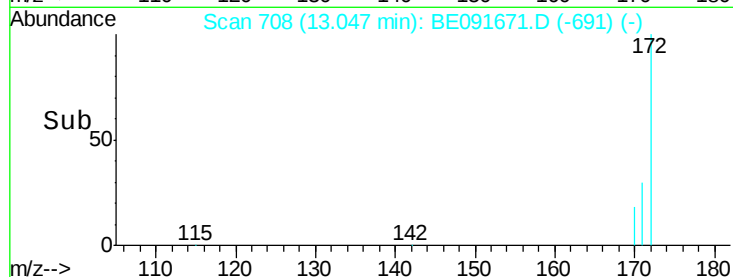
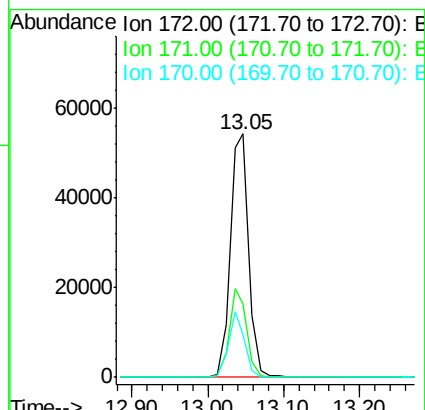
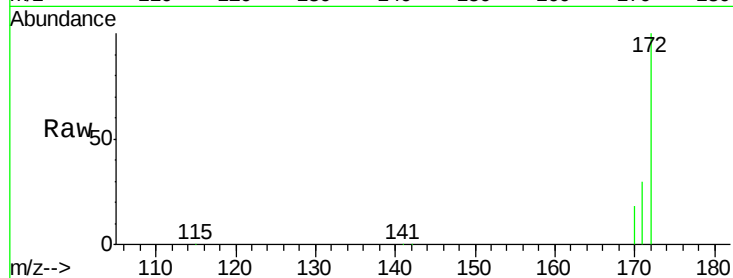




#15
2-Fluorobiphenyl
Concen: 2.97 ng
RT: 13.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: BE091671.D
Acq: 18 Apr 2016 19:45

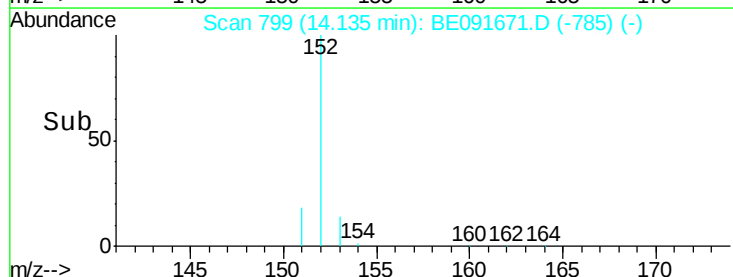
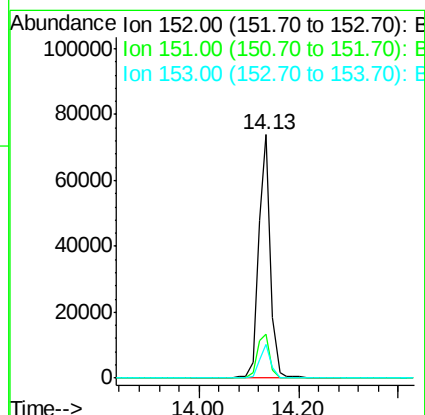
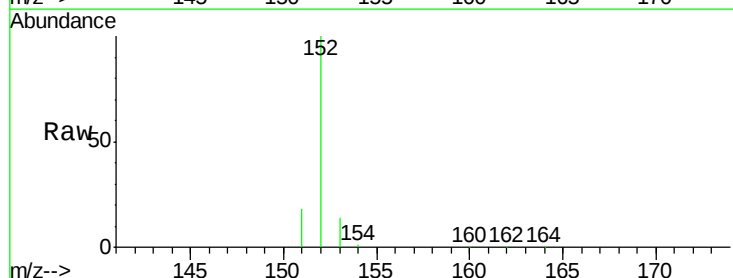
Instrument :
BNA_E
ClientSampleId :
PB89886BS

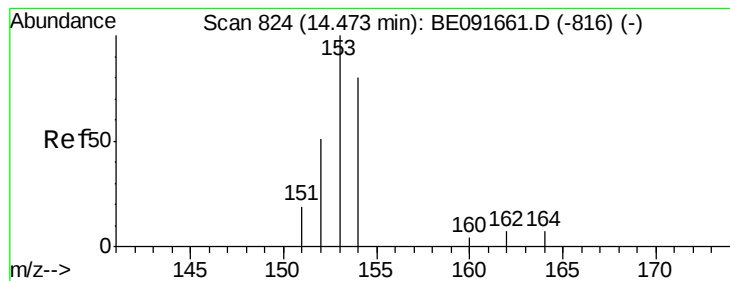
Tgt Ion:172 Resp: 92947
Ion Ratio Lower Upper
172 100
171 30.1 28.8 43.2
170 17.6 19.3 28.9#



#16
Acenaphthylene
Concen: 3.12 ng
RT: 14.13 min Scan# 799
Delta R.T. -0.00 min
Lab File: BE091671.D
Acq: 18 Apr 2016 19:45

Tgt Ion:152 Resp: 129109
Ion Ratio Lower Upper
152 100
151 20.3 3.9 5.9#
153 13.8 10.3 15.5





#17

Acenaphthene

Concen: 2.97 ng

RT: 14.47 min Scan# 824

Delta R.T. -0.00 min

Lab File: BE091671.D

Acq: 18 Apr 2016 19:45

Instrument :

BNA_E

ClientSampleId :

PB89886BS

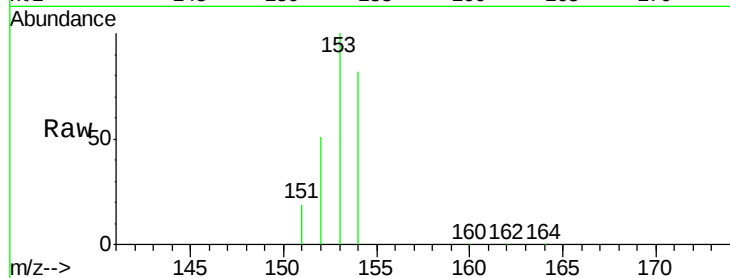
Tgt Ion:154 Resp: 82133

Ion Ratio Lower Upper

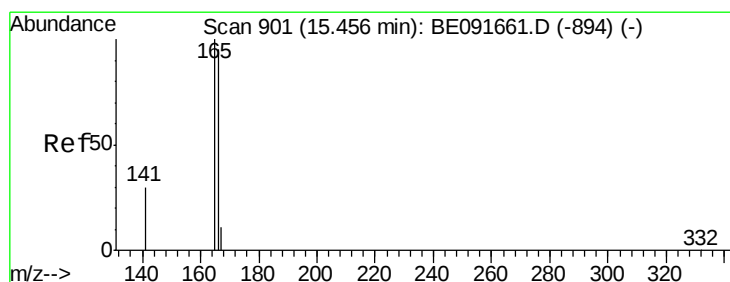
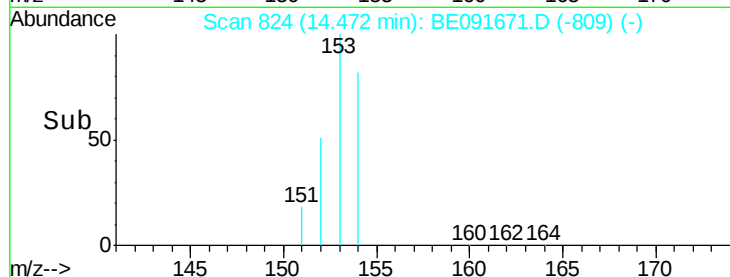
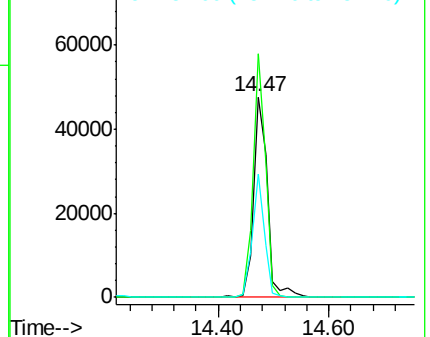
154 100

153 107.9 80.0 120.0

152 53.5 40.0 60.0



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: 3.04 ng

RT: 15.46 min Scan# 901

Delta R.T. 0.00 min

Lab File: BE091671.D

Acq: 18 Apr 2016 19:45

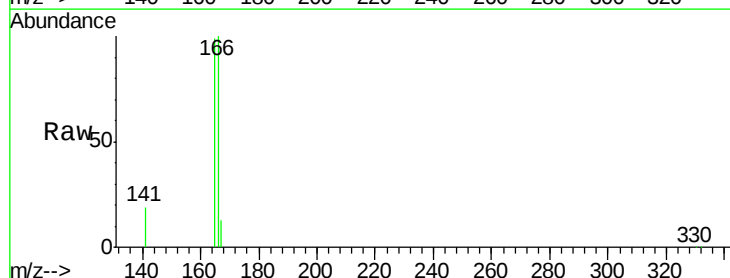
Tgt Ion:166 Resp: 102701

Ion Ratio Lower Upper

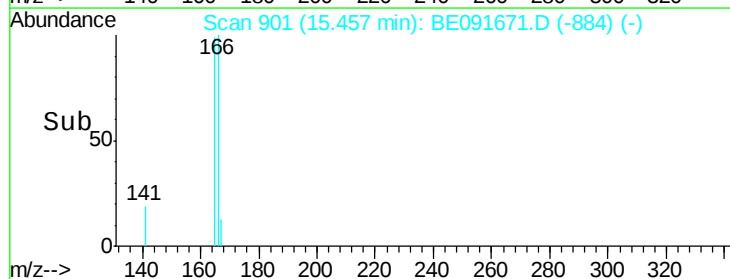
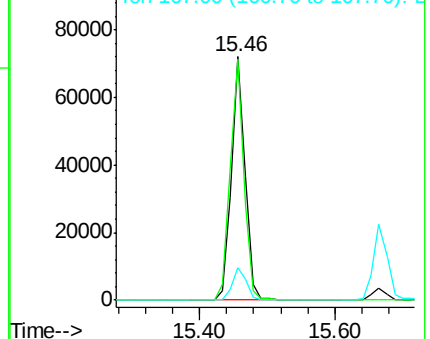
166 100

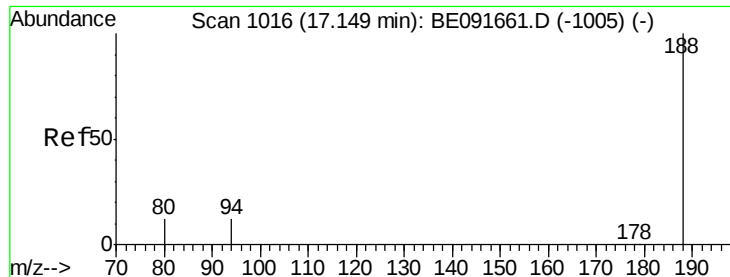
165 99.7 80.8 121.2

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: 17.15 min Scan# 1016

Delta R.T. -0.00 min

Lab File: BE091671.D

Acq: 18 Apr 2016 19:45

Instrument :

BNA_E

ClientSampleId :

PB89886BS

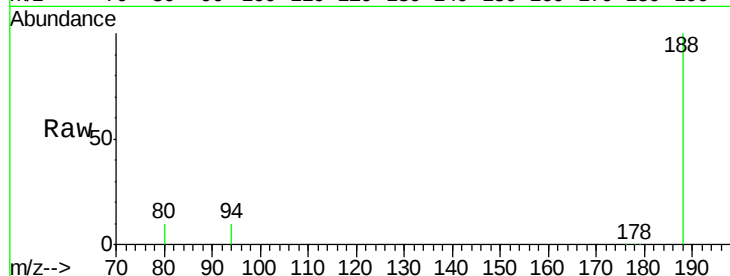
Tgt Ion:188 Resp: 264764

Ion Ratio Lower Upper

188 100

94 10.2 8.7 13.1

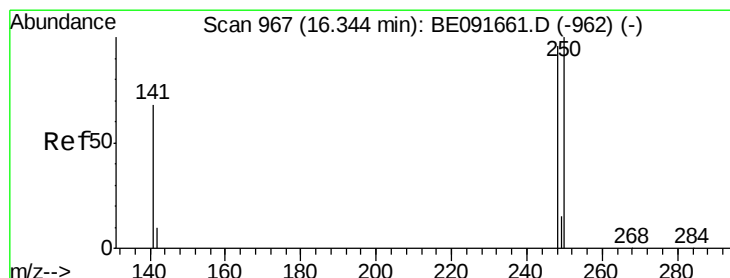
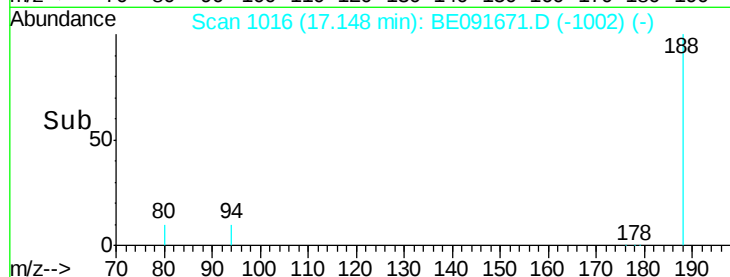
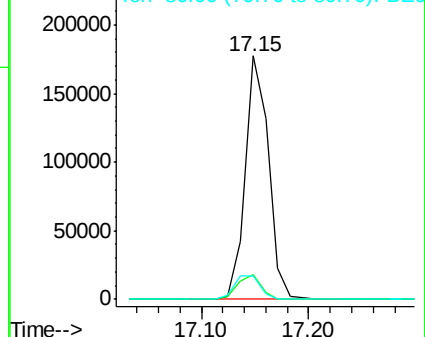
80 9.8 9.4 14.0



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: 2.99 ng

RT: 16.34 min Scan# 967

Delta R.T. 0.00 min

Lab File: BE091671.D

Acq: 18 Apr 2016 19:45

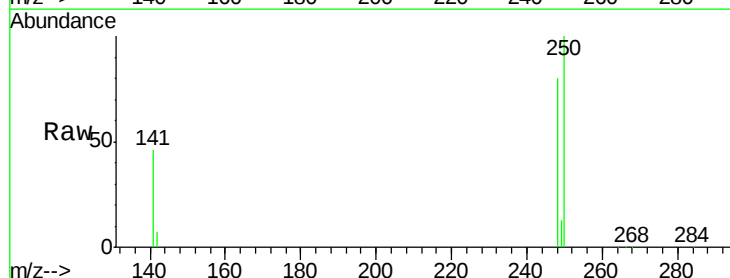
Tgt Ion:248 Resp: 27423

Ion Ratio Lower Upper

248 100

250 98.4 80.5 120.7

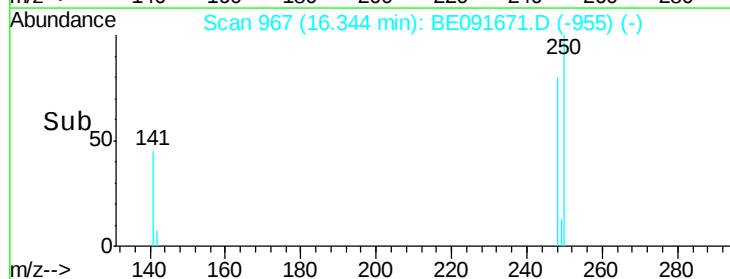
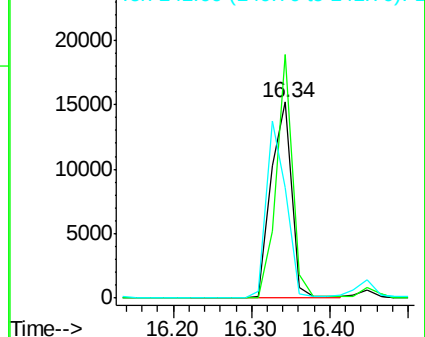
141 86.8 72.0 108.0

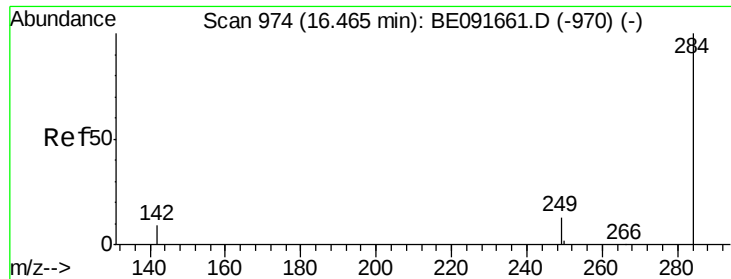


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

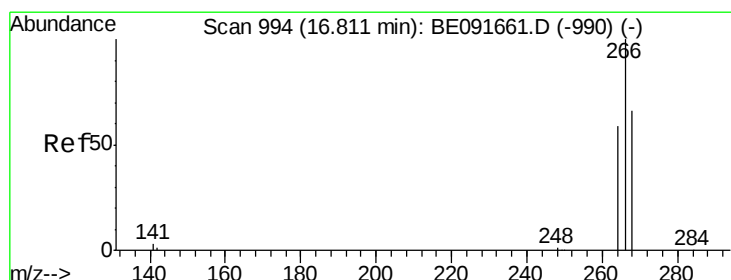
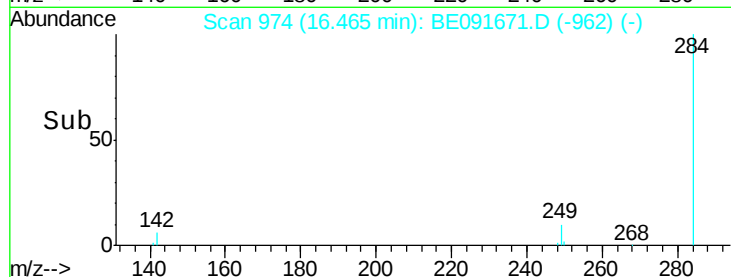
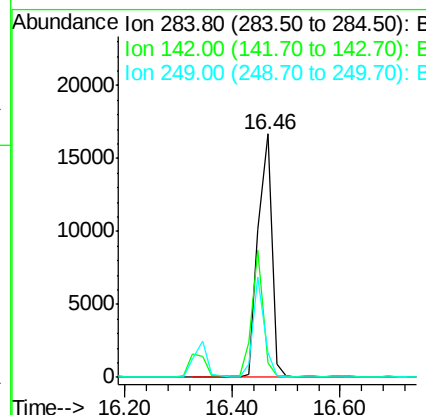
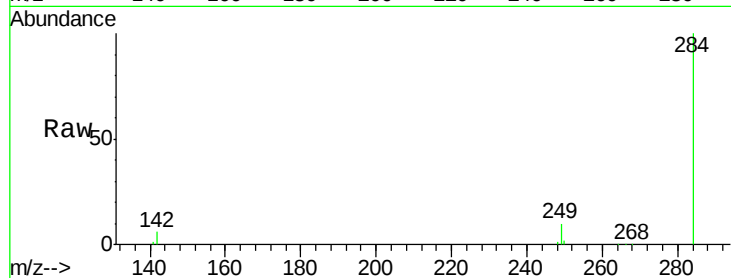




#21
Hexachlorobenzene
Concen: 2.98 ng
RT: 16.46 min Scan# 974
Delta R.T. 0.00 min
Lab File: BE091671.D
Acq: 18 Apr 2016 19:45

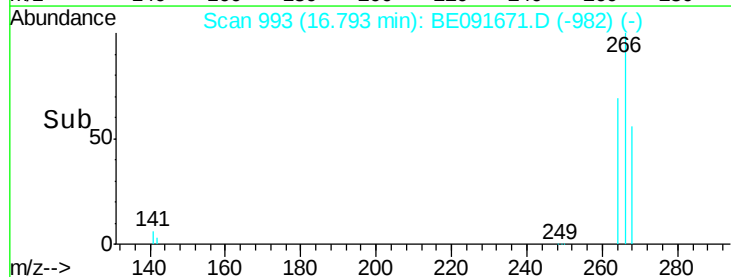
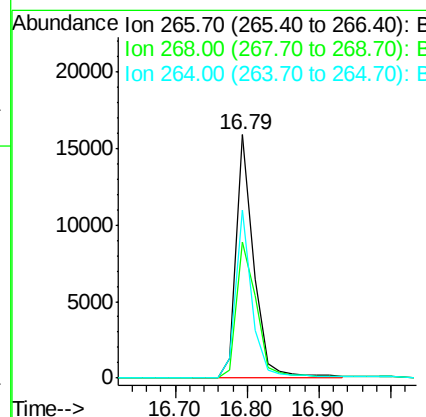
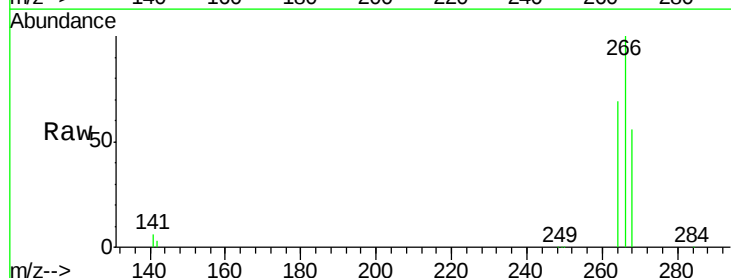
Instrument :
BNA_E
ClientSampleId :
PB89886BS

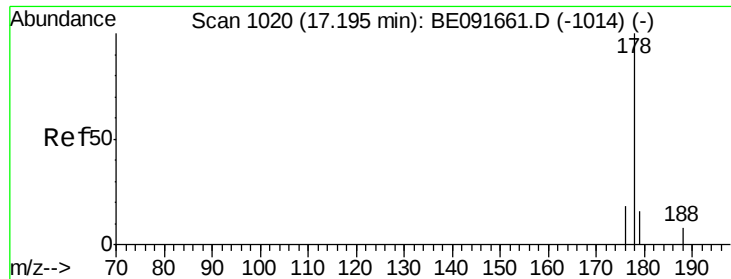
Tgt Ion: 284 Resp: 29023
Ion Ratio Lower Upper
284 100
142 43.0 32.2 48.2
249 33.6 25.4 38.2



#22
Pentachlorophenol
Concen: 6.11 ng
RT: 16.79 min Scan# 993
Delta R.T. -0.02 min
Lab File: BE091671.D
Acq: 18 Apr 2016 19:45

Tgt Ion: 266 Resp: 26597
Ion Ratio Lower Upper
266 100
268 56.1 58.2 87.2#
264 68.9 56.2 84.4





#23

Phenanthrene

Concen: 3.05 ng

RT: 17.19 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BE091671.D

Acq: 18 Apr 2016 19:45

Instrument :

BNA_E

ClientSampleId :

PB89886BS

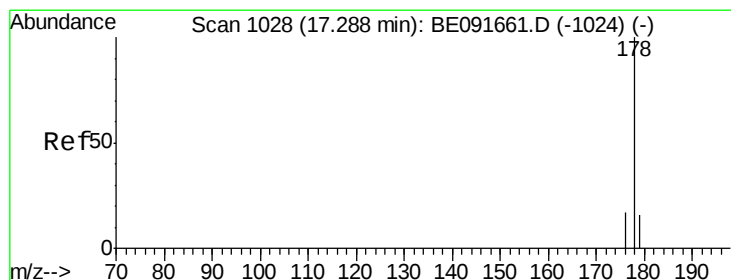
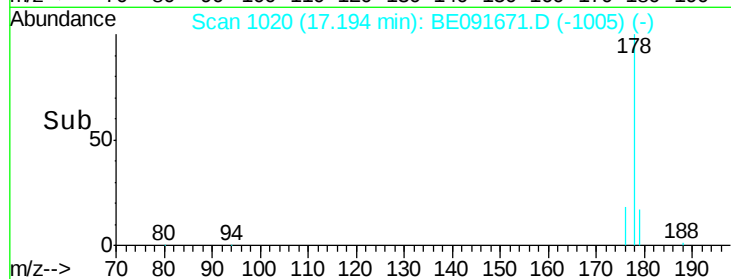
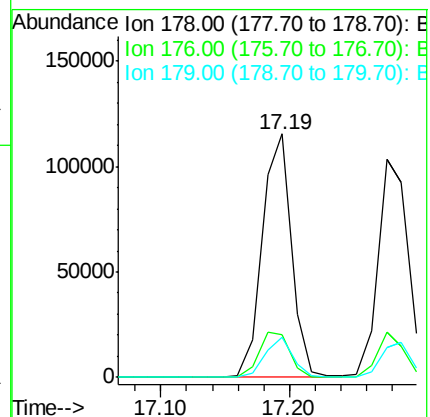
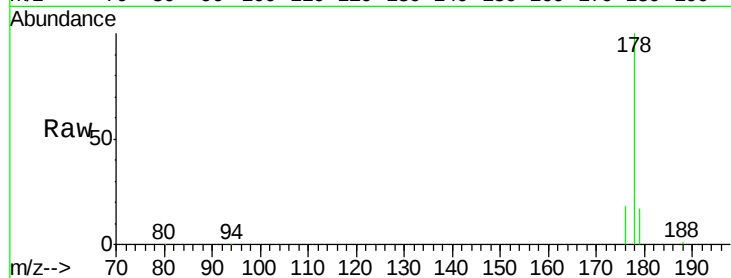
Tgt Ion:178 Resp: 183524

Ion Ratio Lower Upper

178 100

176 19.6 15.3 22.9

179 15.6 12.6 18.8



#24

Anthracene

Concen: 3.23 ng

RT: 17.28 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BE091671.D

Acq: 18 Apr 2016 19:45

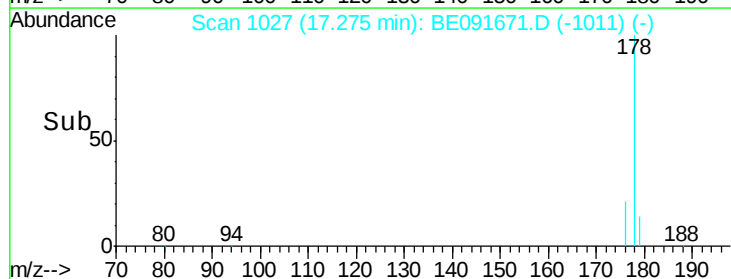
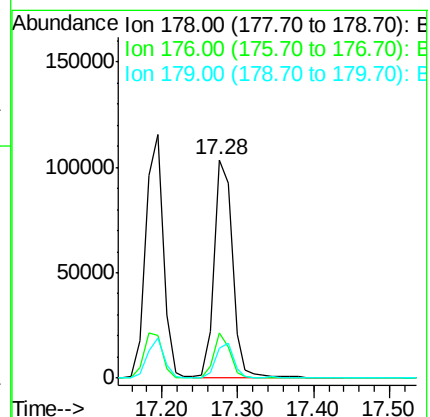
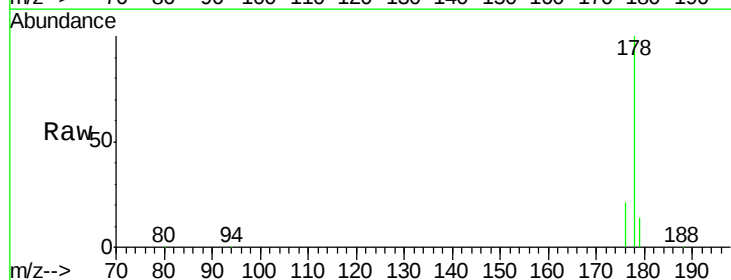
Tgt Ion:178 Resp: 172463

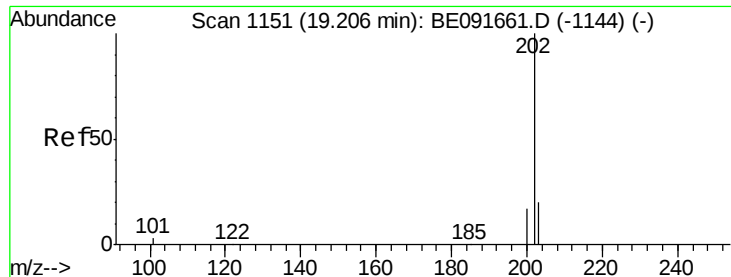
Ion Ratio Lower Upper

178 100

176 18.8 14.6 21.8

179 15.7 11.8 17.6





#25

Fluoranthene

Concen: 3.20 ng

RT: 19.19 min Scan# 1150

Delta R.T. -0.02 min

Lab File: BE091671.D

Acq: 18 Apr 2016 19:45

Instrument :

BNA_E

ClientSampleId :

PB89886BS

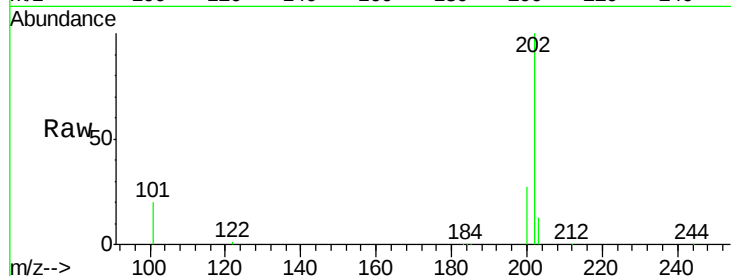
Tgt Ion:202 Resp: 191489

Ion Ratio Lower Upper

202 100

101 12.4 11.0 16.6

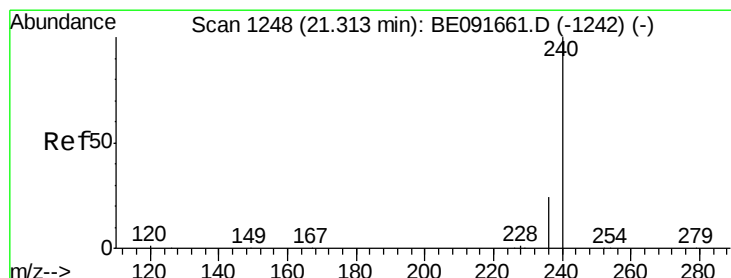
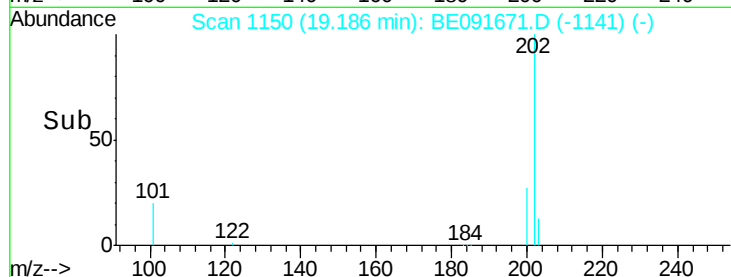
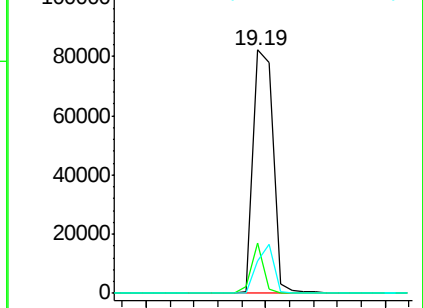
203 17.5 13.9 20.9



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: BE091671.D

Acq: 18 Apr 2016 19:45

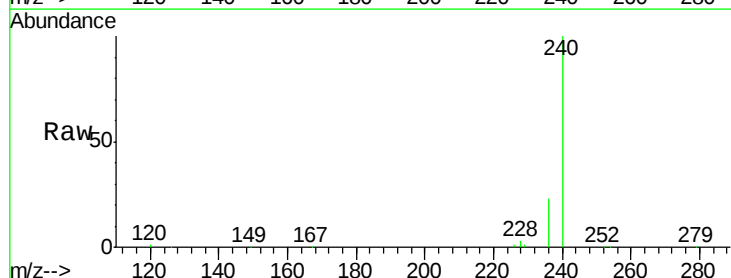
Tgt Ion:240 Resp: 325368

Ion Ratio Lower Upper

240 100

120 1.1 11.0 16.4#

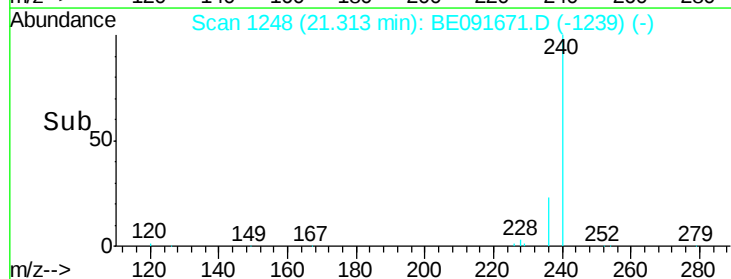
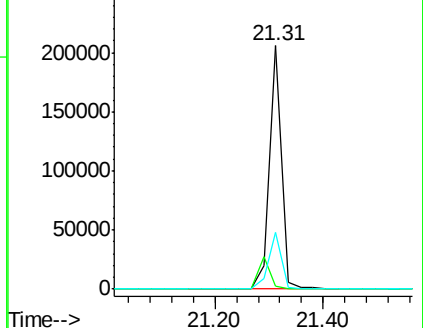
236 23.4 21.7 32.5

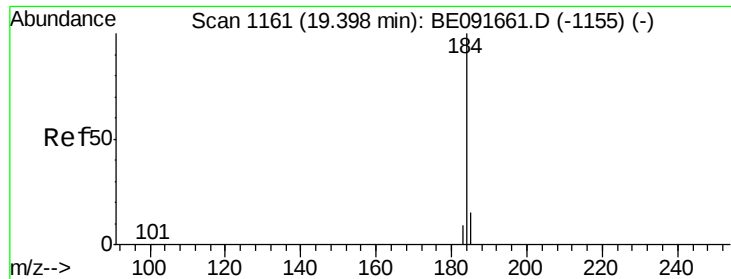


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.14 ng

RT: 19.76 min Scan# 1180

Delta R.T. 0.36 min

Lab File: BE091671.D

Acq: 18 Apr 2016 19:45

Instrument :

BNA_E

ClientSampleId :

PB89886BS

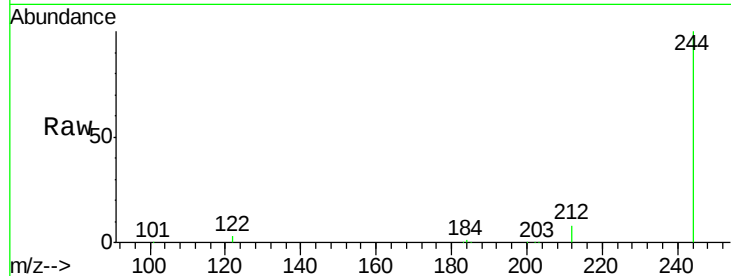
Tgt Ion:184 Resp: 2233

Ion Ratio Lower Upper

184 100

185 25.9 22.3 33.5

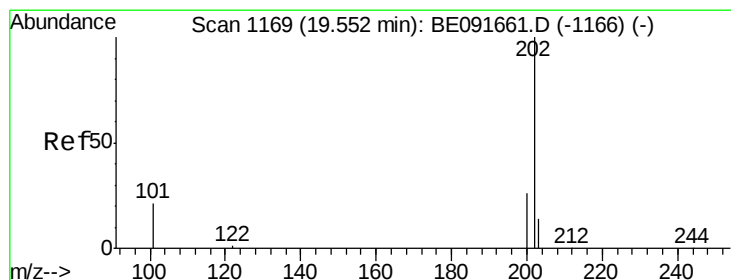
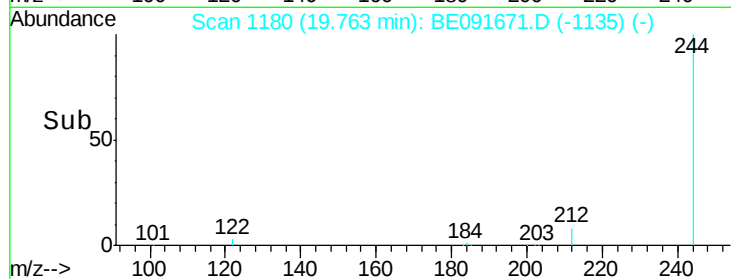
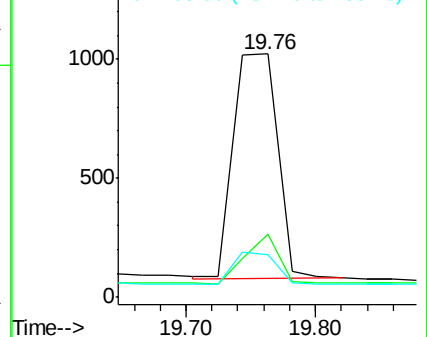
183 17.4 16.4 24.6



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#28

Pyrene

Concen: 3.29 ng

RT: 19.55 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BE091671.D

Acq: 18 Apr 2016 19:45

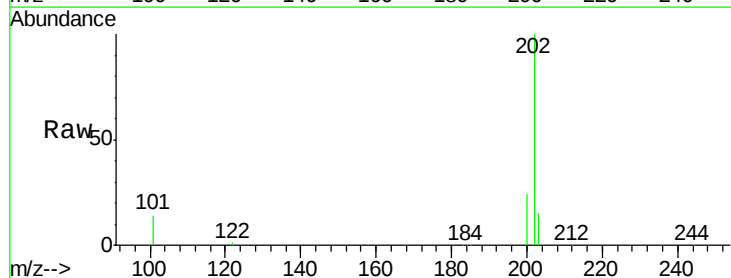
Tgt Ion:202 Resp: 213809

Ion Ratio Lower Upper

202 100

200 21.7 16.8 25.2

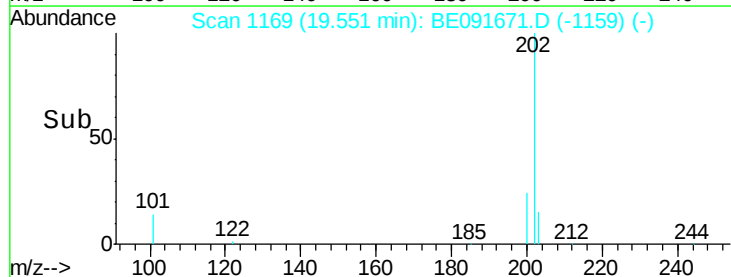
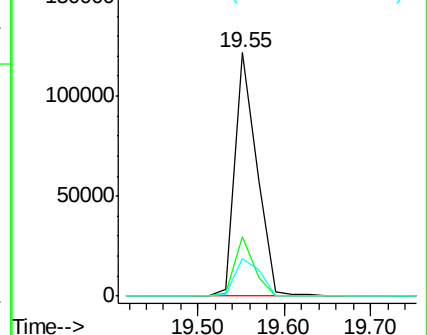
203 17.9 14.0 21.0

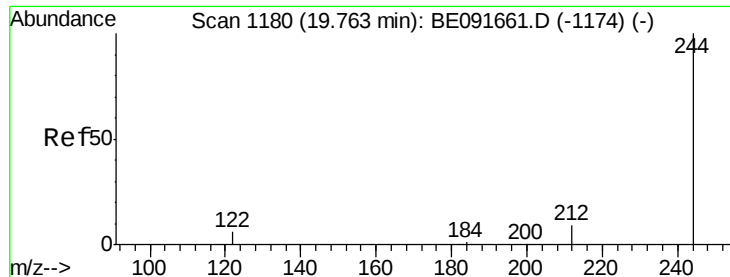


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 3.34 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091671.D

Acq: 18 Apr 2016 19:45

Instrument :

BNA_E

ClientSampleId :

PB89886BS

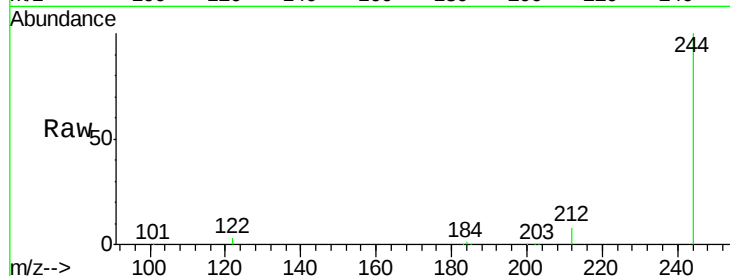
Tgt Ion:244 Resp: 148170

Ion Ratio Lower Upper

244 100

212 8.5 6.9 10.3

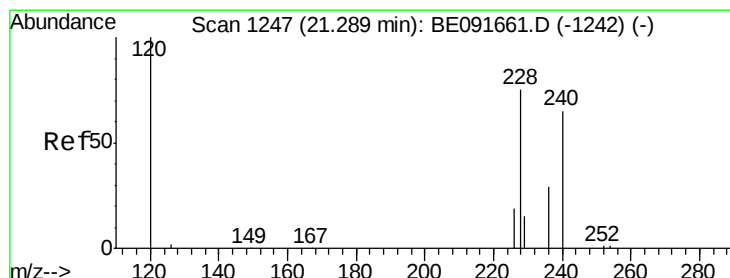
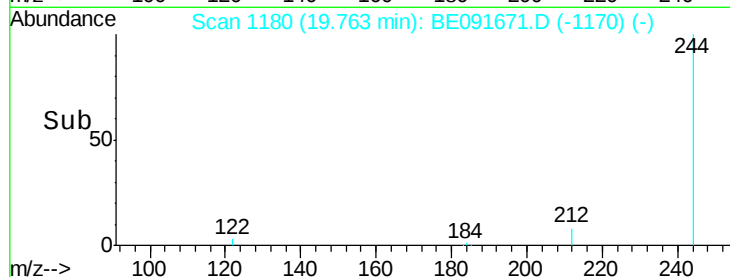
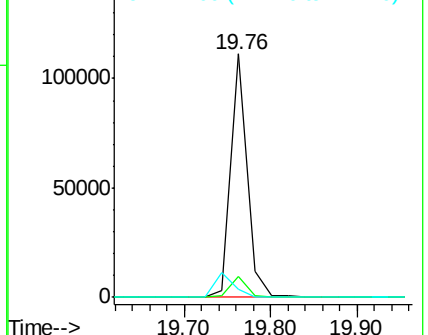
122 3.2 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 6.38 ng

RT: 21.29 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091671.D

Acq: 18 Apr 2016 19:45

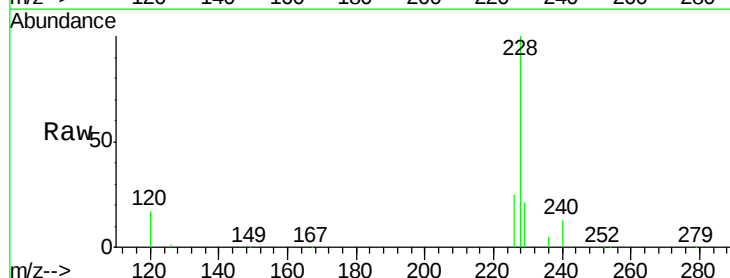
Tgt Ion:228 Resp: 481296

Ion Ratio Lower Upper

228 100

226 24.9 21.0 31.4

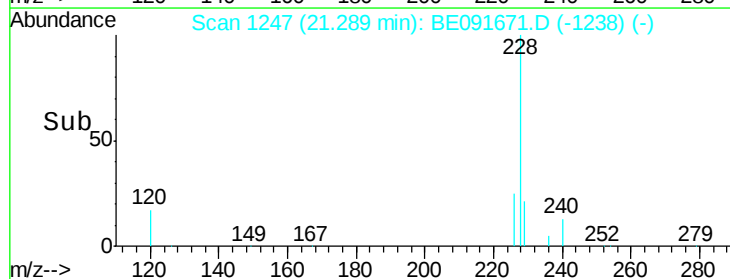
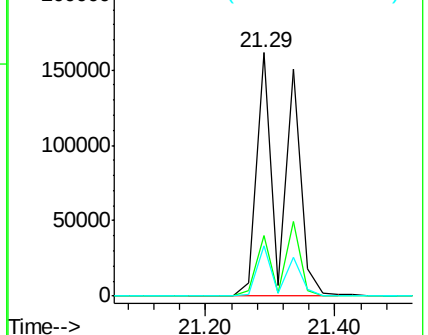
229 20.9 15.7 23.5

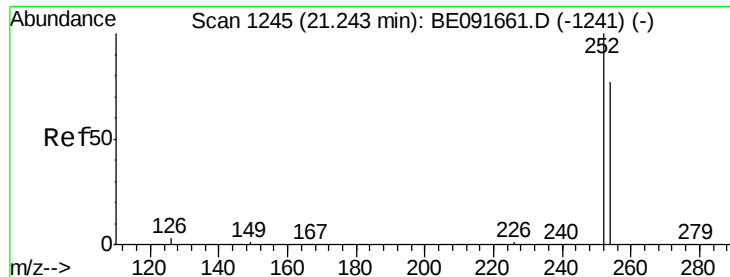


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

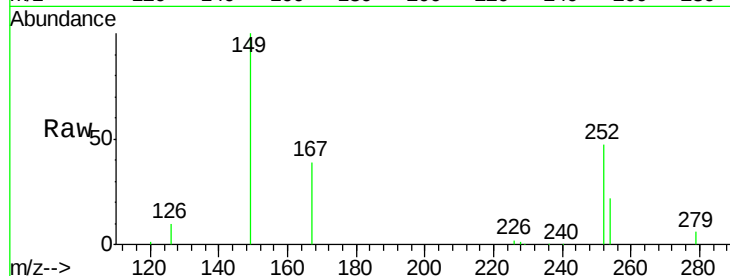




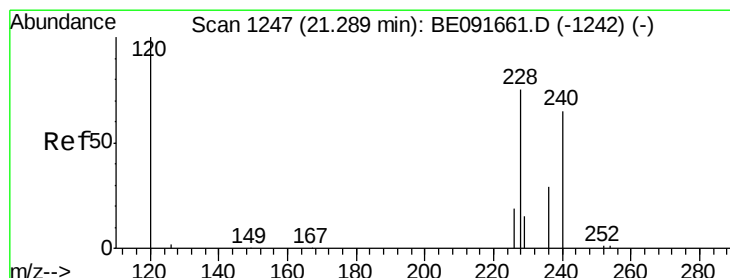
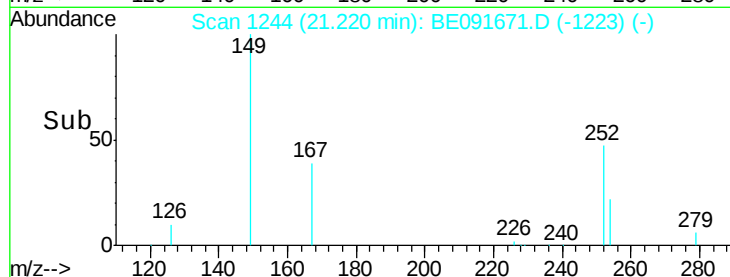
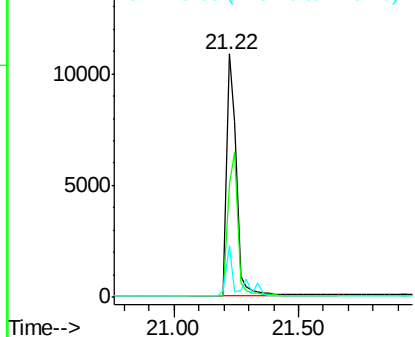
#31
 3,3'-Dichlorobenzidine
 Concen: 0.93 ng
 RT: 21.22 min Scan# 1244
 Delta R.T. -0.02 min
 Lab File: BE091671.D
 Acq: 18 Apr 2016 19:45

Instrument :
 BNA_E
 ClientSampleId :
 PB89886BS

Tgt Ion: 252 Resp: 29178
 Ion Ratio Lower Upper
 252 100
 254 46.6 51.1 76.7#
 126 21.4 12.6 18.8#

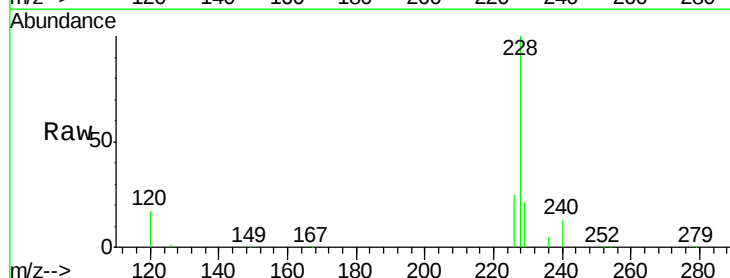


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

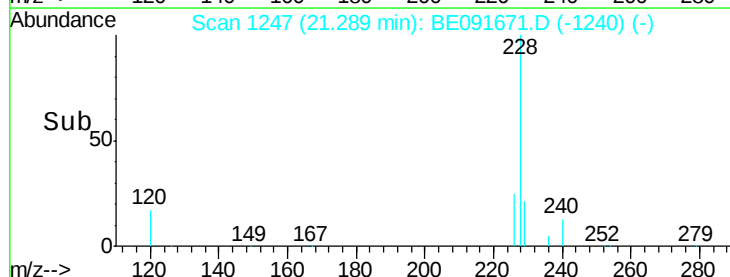
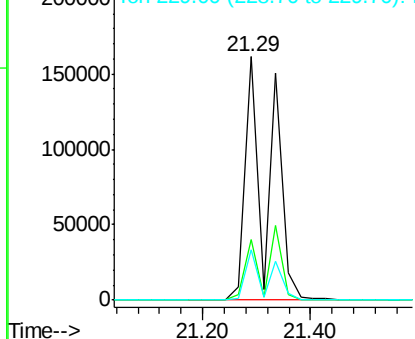


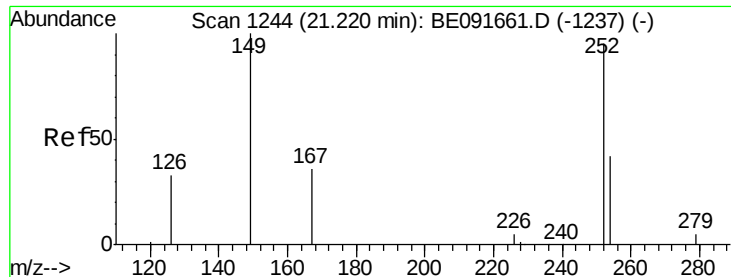
#32
 Chrysene
 Concen: 6.31 ng
 RT: 21.29 min Scan# 1247
 Delta R.T. -0.05 min
 Lab File: BE091671.D
 Acq: 18 Apr 2016 19:45

Tgt Ion: 228 Resp: 483192
 Ion Ratio Lower Upper
 228 100
 226 24.9 24.0 36.0
 229 20.9 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

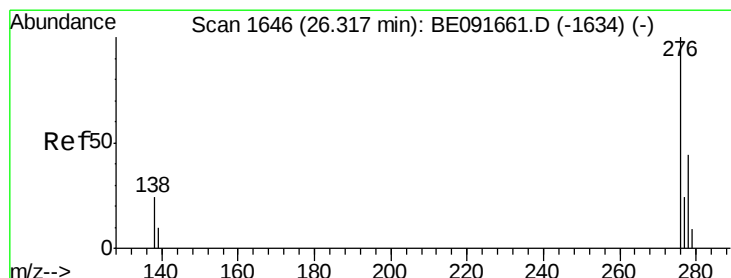
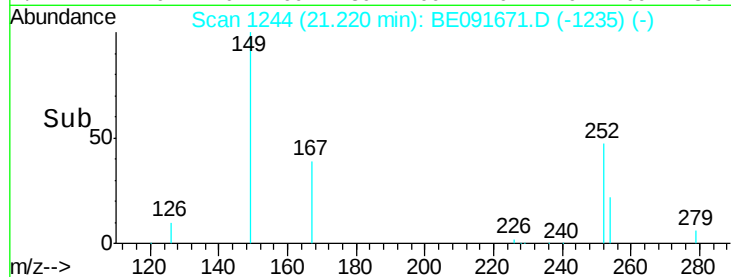
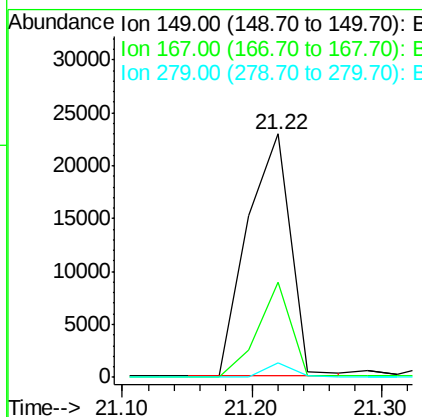
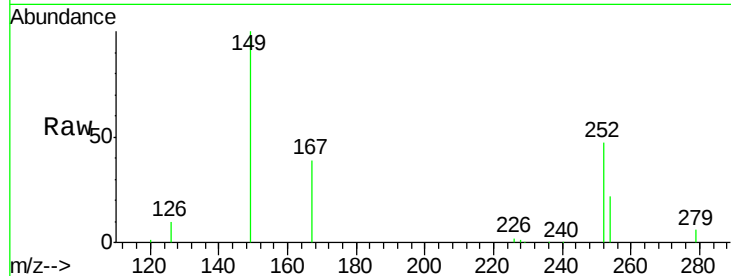




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 3.00 ng
 RT: 21.22 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: BE091671.D
 Acq: 18 Apr 2016 19:45

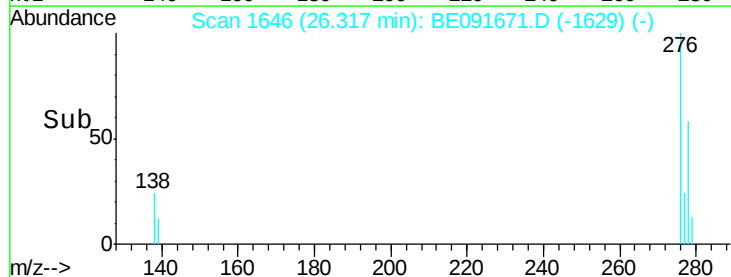
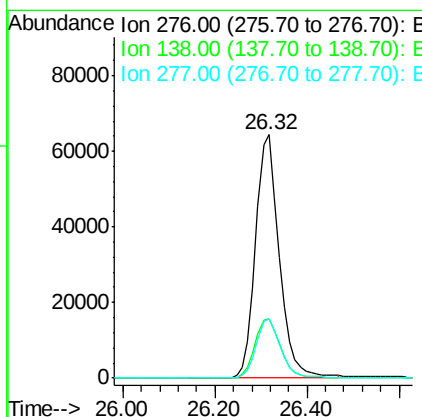
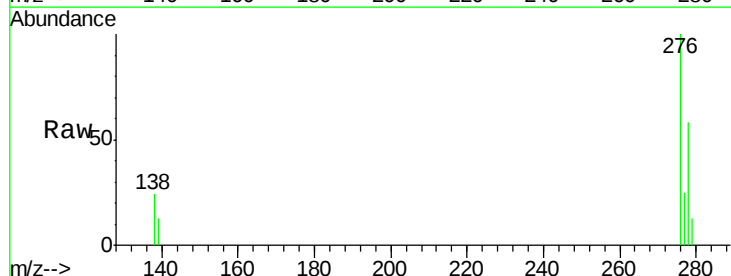
Instrument :
 BNA_E
 ClientSampleId :
 PB89886BS

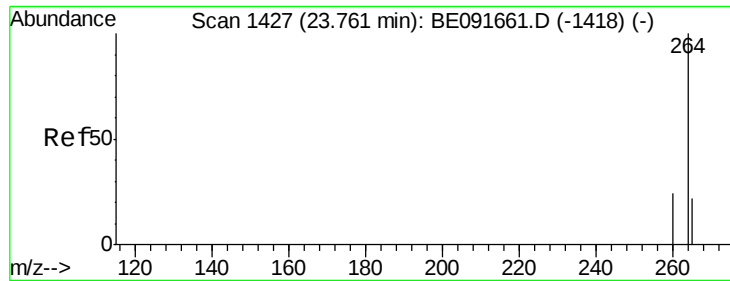
Tgt Ion:149 Resp: 53160
 Ion Ratio Lower Upper
 149 100
 167 30.3 19.5 29.3#
 279 3.9 10.0 15.0#



#34
 Indeno(1,2,3-cd)pyrene
 Concen: 3.30 ng
 RT: 26.32 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: BE091671.D
 Acq: 18 Apr 2016 19:45

Tgt Ion:276 Resp: 229745
 Ion Ratio Lower Upper
 276 100
 138 26.2 23.4 35.2
 277 24.8 19.8 29.8

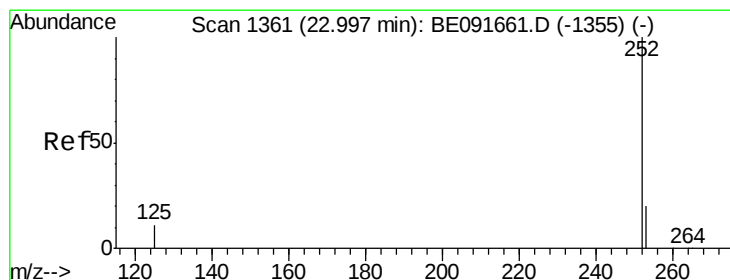
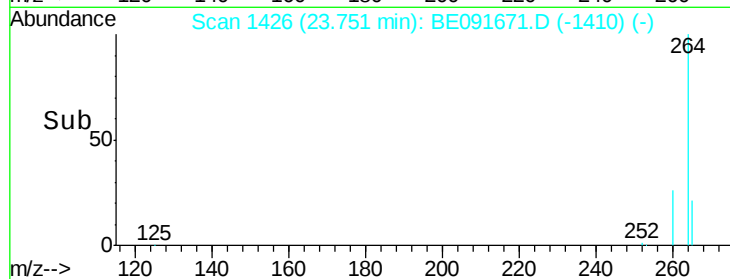
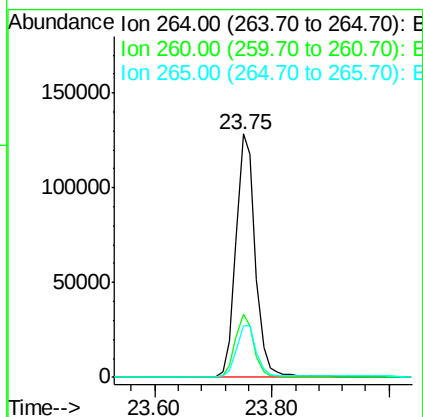
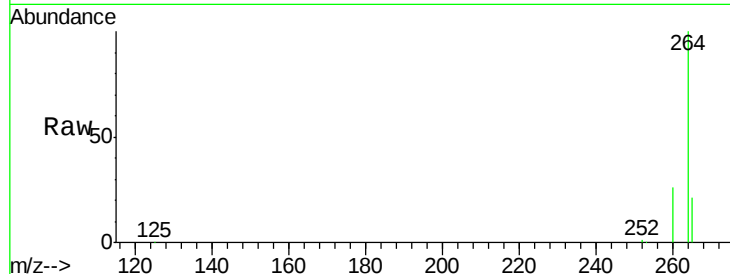




#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.75 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BE091671.D
 Acq: 18 Apr 2016 19:45

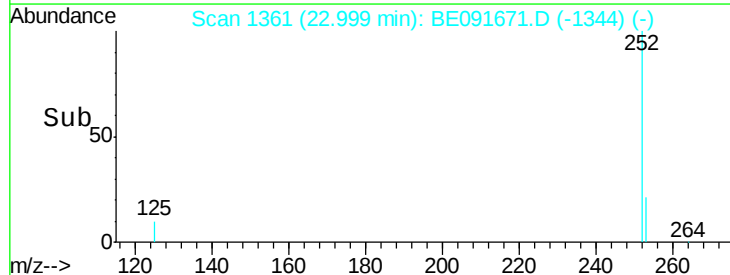
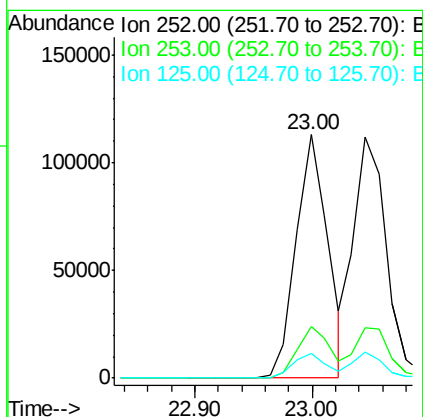
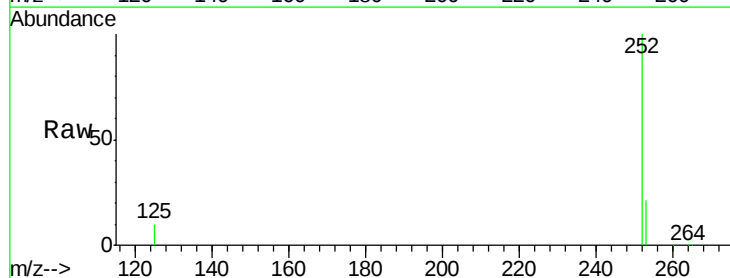
Instrument :
 BNA_E
 ClientSampleId :
 PB89886BS

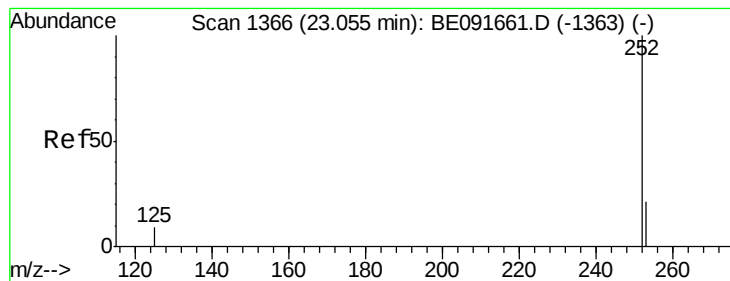
Tgt Ion: 264 Resp: 293139
 Ion Ratio Lower Upper
 264 100
 260 25.9 20.0 30.0
 265 21.3 17.5 26.3



#36
 Benzo(b)fluoranthene
 Concen: 3.28 ng
 RT: 23.00 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: BE091671.D
 Acq: 18 Apr 2016 19:45

Tgt Ion: 252 Resp: 211905
 Ion Ratio Lower Upper
 252 100
 253 21.4 17.4 26.0
 125 10.3 10.2 15.2





#37

Benzo(k)fluoranthene

Concen: 3.18 ng

RT: 23.05 min Scan# 1365

Delta R.T. -0.01 min

Lab File: BE091671.D

Acq: 18 Apr 2016 19:45

Instrument :

BNA_E

ClientSampleId :

PB89886BS

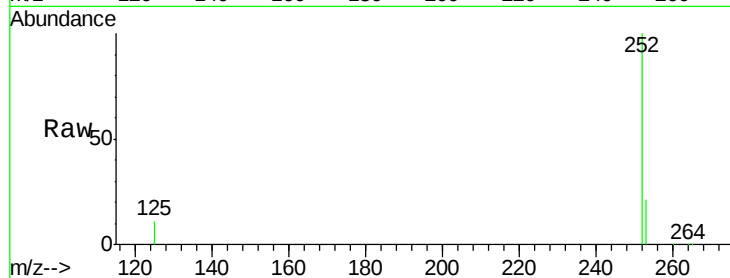
Tgt Ion: 252 Resp: 217837

Ion Ratio Lower Upper

252 100

253 20.9 17.6 26.4

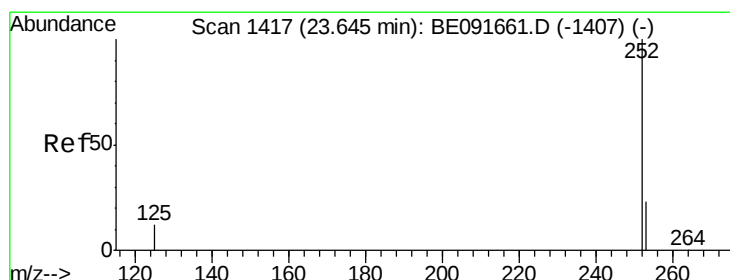
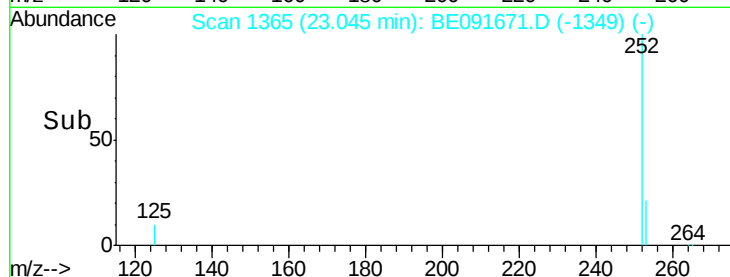
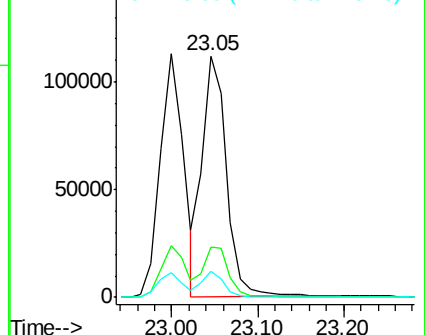
125 10.6 9.9 14.9



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Benzo(a)pyrene

Concen: 3.29 ng

RT: 23.64 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BE091671.D

Acq: 18 Apr 2016 19:45

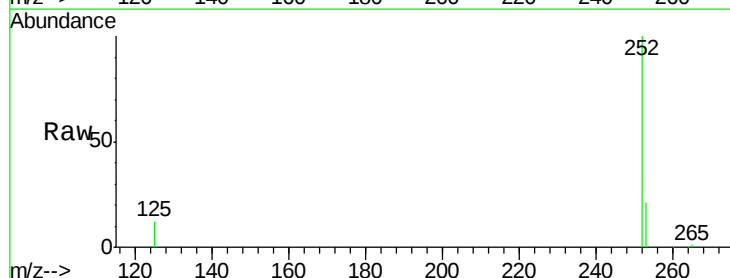
Tgt Ion: 252 Resp: 197816

Ion Ratio Lower Upper

252 100

253 21.1 18.1 27.1

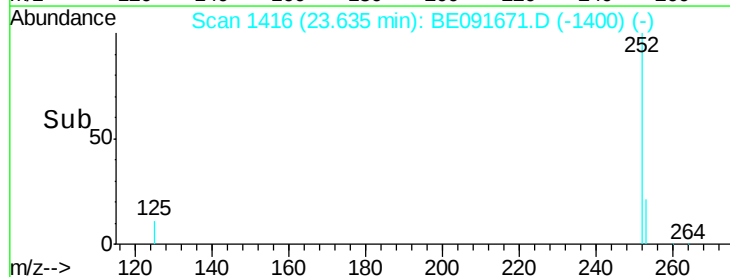
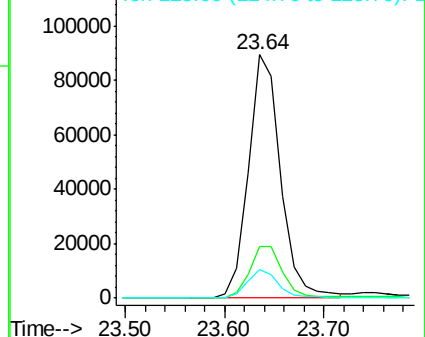
125 11.5 11.0 16.4

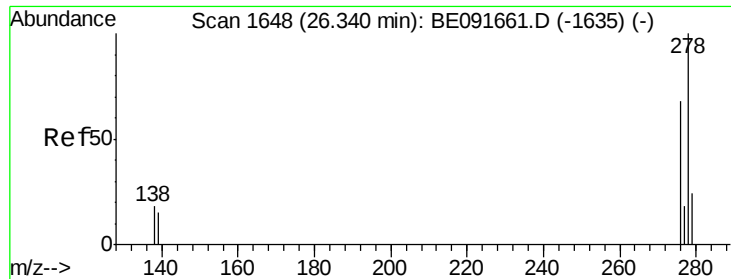


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Dibenzo(a,h)anthracene

Concen: 3.25 ng

RT: 26.34 min Scan# 1648

Delta R.T. -0.00 min

Lab File: BE091671.D

Acq: 18 Apr 2016 19:45

Instrument :

BNA_E

ClientSampleId :

PB89886BS

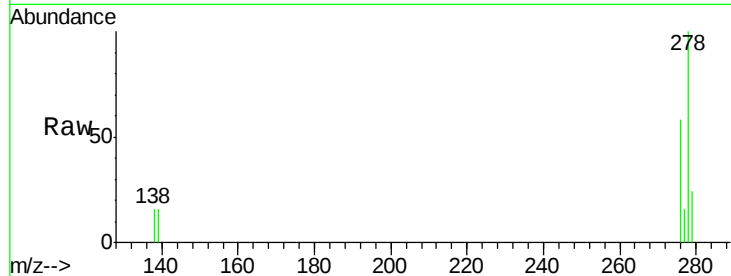
Tgt Ion: 278 Resp: 191129

Ion Ratio Lower Upper

278 100

139 16.0 16.0 24.0

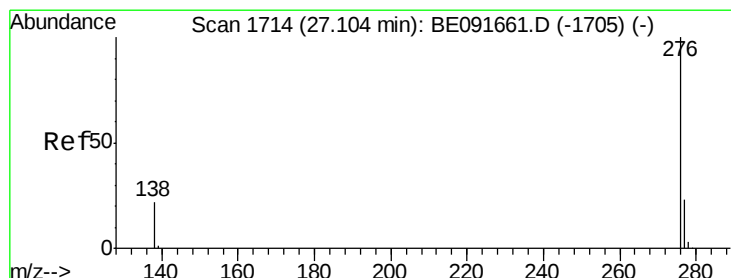
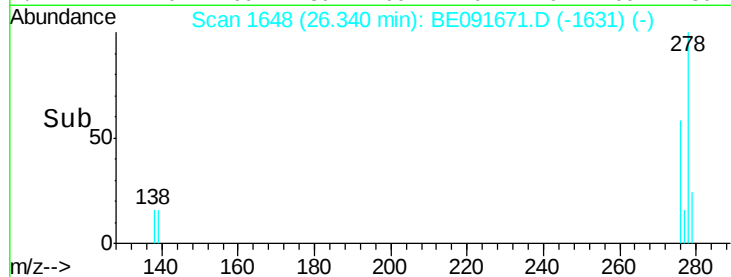
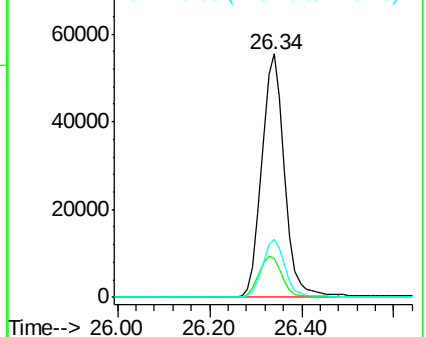
279 23.8 19.4 29.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#40

Benzo(g,h,i)perylene

Concen: 3.18 ng

RT: 27.10 min Scan# 1714

Delta R.T. -0.00 min

Lab File: BE091671.D

Acq: 18 Apr 2016 19:45

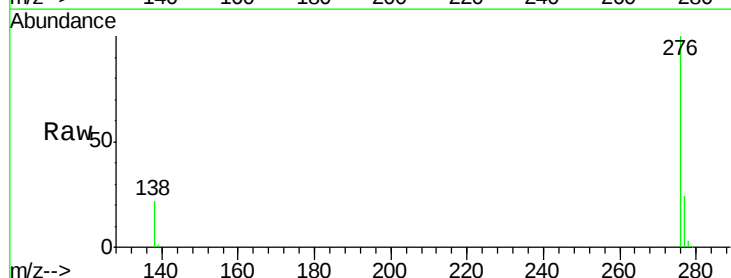
Tgt Ion: 276 Resp: 193748

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 21.9 20.4 30.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

