

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062618\
 Data File : BE096844.D
 Acq On : 26 Jun 2018 9:54
 Operator : SJ/JU
 Sample : PB110591BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB110591BS

Quant Time: Jun 27 02:25:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 20 15:45:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	3978	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	16195	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	6562	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	14548	0.40	ng	0.00
27) Chrysene-d12	20.98	240	14810	0.40	ng	0.00
34) Perylene-d12	23.21	264	13309	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	2822	0.32	ng	0.01
5) Phenol-d6	6.59	99	3557	0.27	ng	0.00
8) Nitrobenzene-d5	8.53	82	3280	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	11.74	152	8885	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	301	0.30	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	10058	0.42	ng	0.00
25) Fluoranthene-d10	18.81	212	46664	0.36	ng	0.00
29) Terphenyl-d14	19.44	244	12222	0.43	ng	0.00

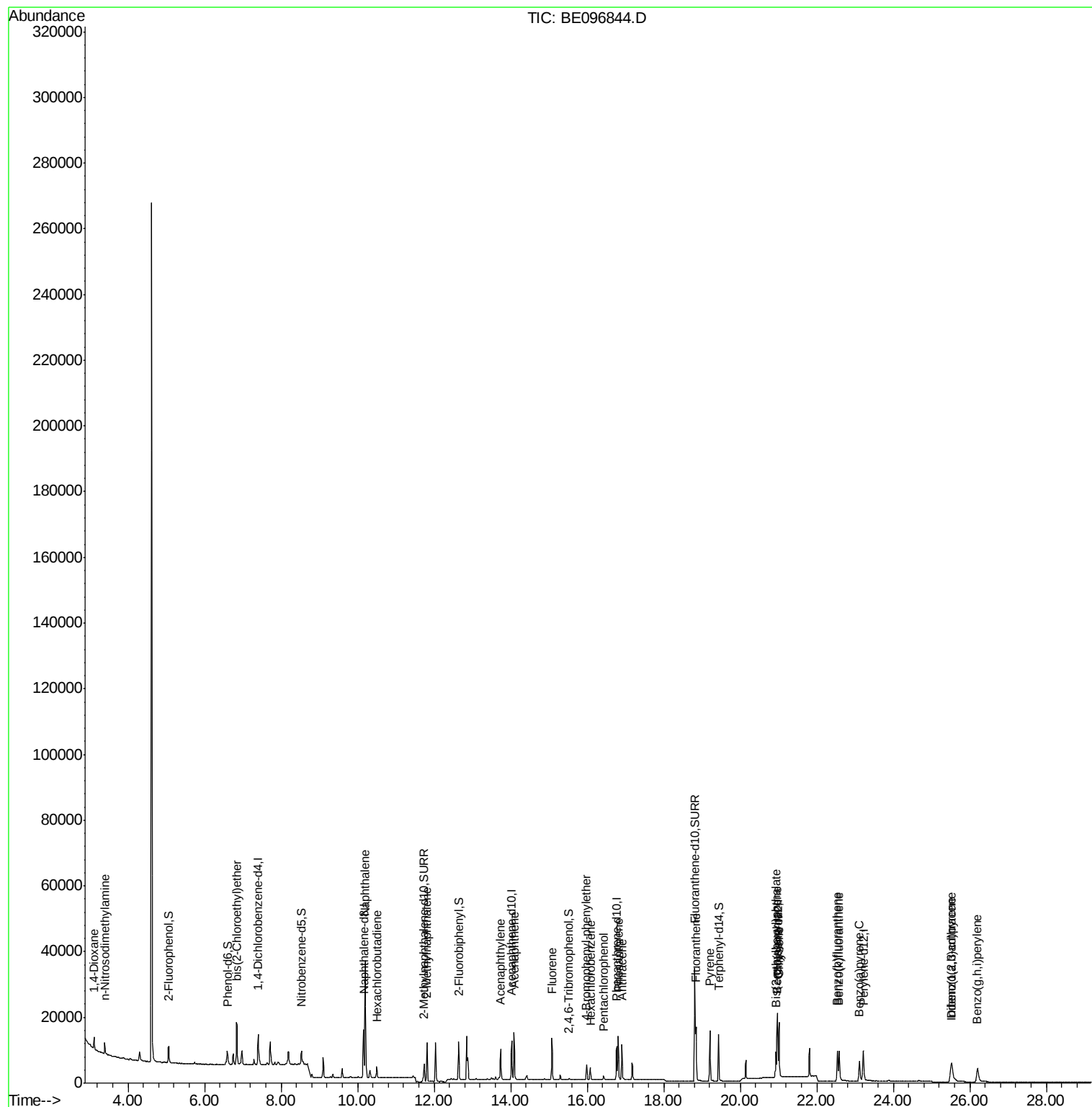
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.11	88	1747	0.293	ng	# 90
3) n-Nitrosodimethylamine	3.38	42	2503	0.396	ng	# 82
6) bis(2-Chloroethyl)ether	6.85	93	4572	0.314	ng	97
9) Naphthalene	10.20	128	54581	0.371	ng	99
10) Hexachlorobutadiene	10.50	225	2119	0.346	ng	98
12) 2-Methylnaphthalene	11.81	142	8343	0.342	ng	100
16) Acenaphthylene	13.74	152	9893	0.348	ng	99
17) Acenaphthene	14.08	154	6641	0.353	ng	# 92
18) Fluorene	15.08	166	7292	0.330	ng	# 81
20) 4-Bromophenyl-phenylether	15.98	248	2245	0.342	ng	# 82
21) Hexachlorobenzene	16.09	284	2813	0.376	ng	# 80
22) Pentachlorophenol	16.43	266	610	0.519	ng	# 73
23) Phenanthrene	16.81	178	13385	0.374	ng	99
24) Anthracene	16.90	178	10889	0.368	ng	96
26) Fluoranthene	18.84	202	14689	0.406	ng	99
28) Pyrene	19.21	202	14088	0.329	ng	99
30) Benzo(a)anthracene	20.95	228	12110	0.369	ng	99
31) Chrysene	21.02	228	15182	0.375	ng	99
32) Bis(2-ethylhexyl)phthalate	20.93	149	8117	0.276	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.50	276	11215	0.372	ng	# 93
35) Benzo(b)fluoranthene	22.54	252	12027	0.331	ng	# 88
36) Benzo(k)fluoranthene	22.58	252	14094	0.360	ng	96
37) Benzo(a)pyrene	23.11	252	10134	0.351	ng	93
38) Dibenzo(a,h)anthracene	25.53	278	9176	0.345	ng	96
39) Benzo(g,h,i)perylene	26.20	276	10822	0.336	ng	# 91

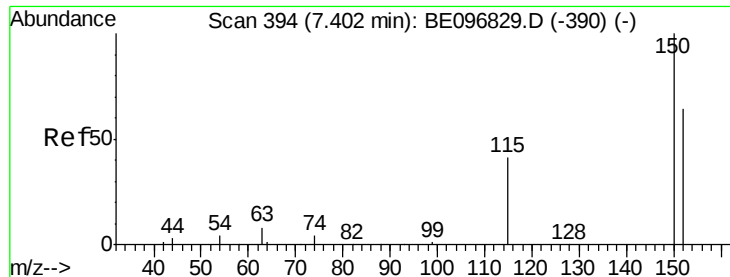
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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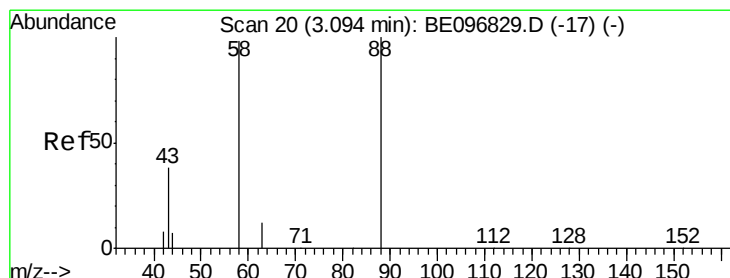
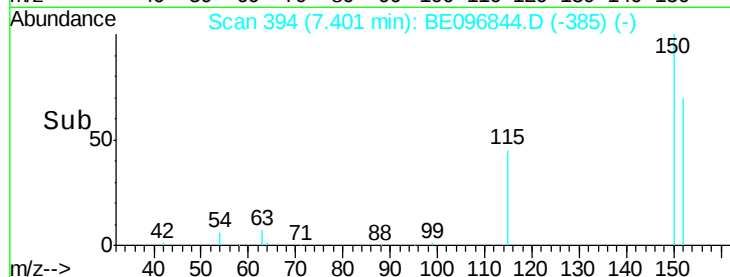
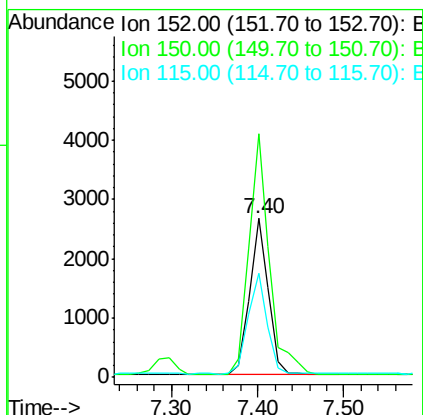
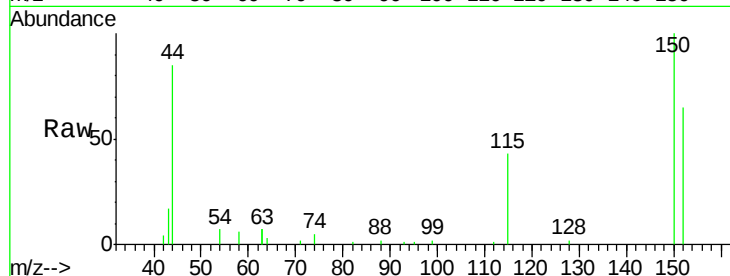


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. -0.00 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Instrument :
BNA_E
ClientSampleId :
PB110591BS

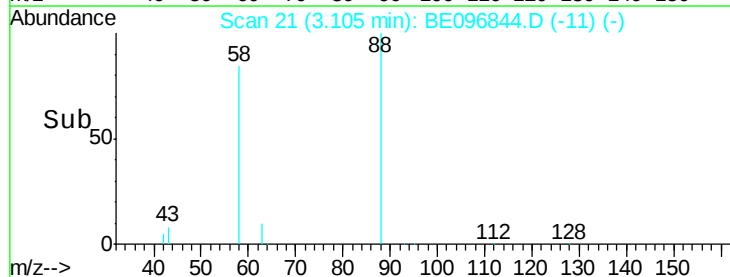
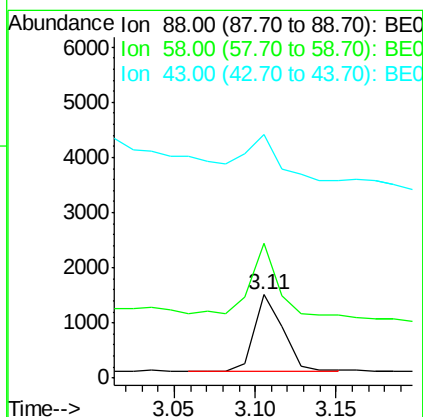
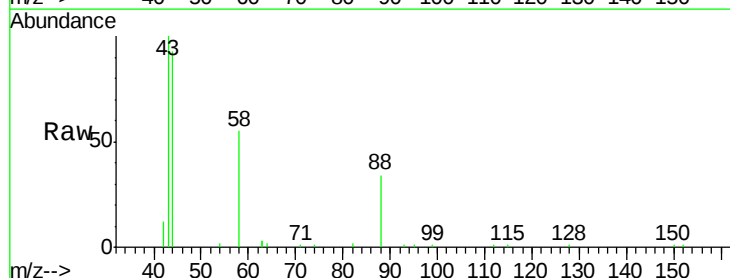
Tgt Ion: 152 Resp: 3978
Ion Ratio Lower Upper
152 100
150 153.2 117.2 175.8
115 65.7 57.0 85.6

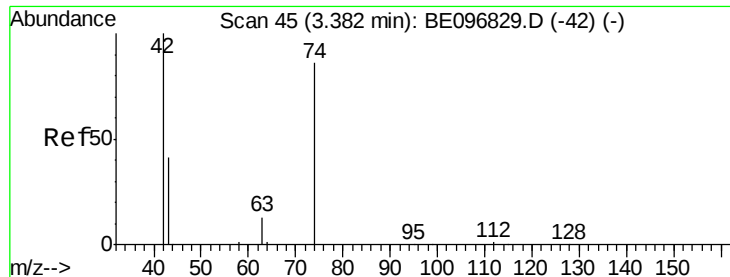


#2

1,4-Dioxane
Concen: 0.293 ng
RT: 3.11 min Scan# 21
Delta R.T. 0.01 min
Lab File: BE096844.D
Acq: 26 Jun 2018 9:54

Tgt Ion: 88 Resp: 1747
Ion Ratio Lower Upper
88 100
58 81.2 63.2 94.8
43 65.7 41.2 61.8#





#3

n-Nitrosodimethylamine

Concen: 0.396 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB110591BS

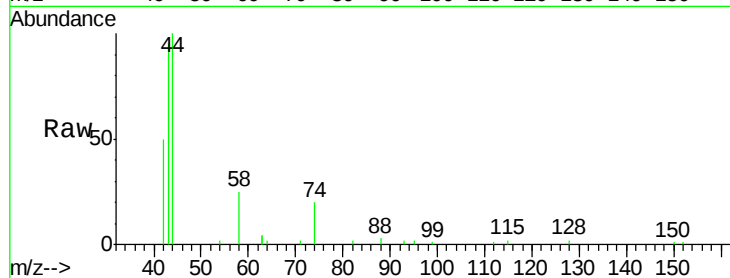
Tgt Ion: 42 Resp: 2503

Ion Ratio Lower Upper

42 100

74 102.0 96.0 144.0

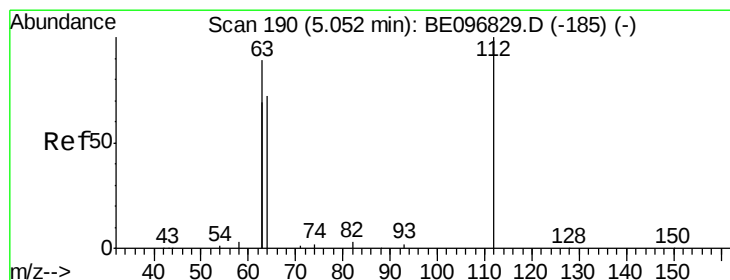
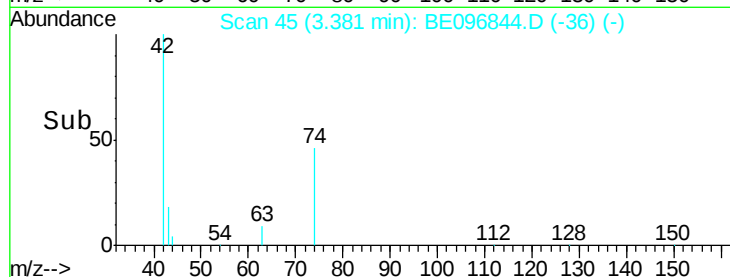
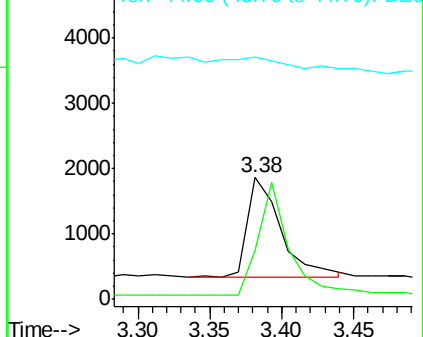
44 0.0 12.0 18.0#



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: 0.317 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

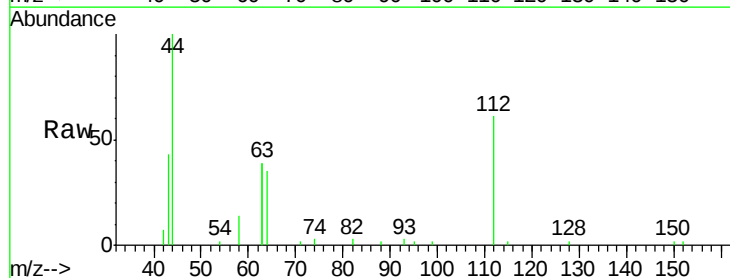
Tgt Ion: 112 Resp: 2822

Ion Ratio Lower Upper

112 100

64 71.5 60.1 90.1

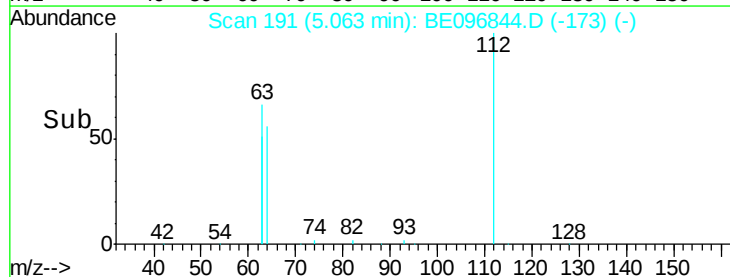
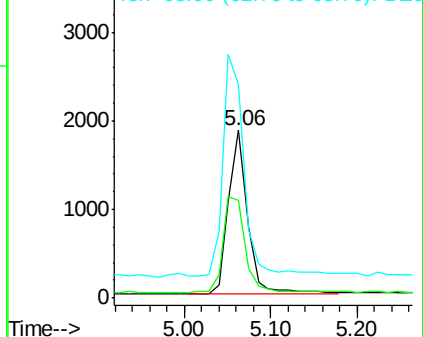
63 152.9 116.8 175.2

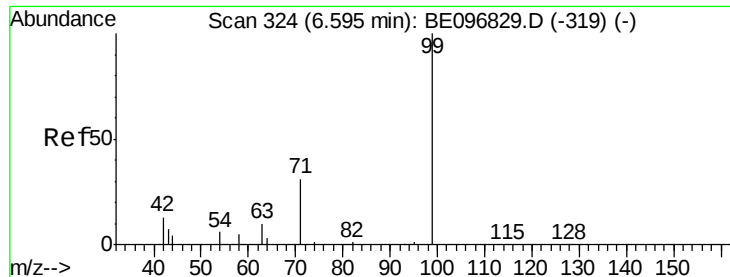


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.268 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

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ClientSampleId :

PB110591BS

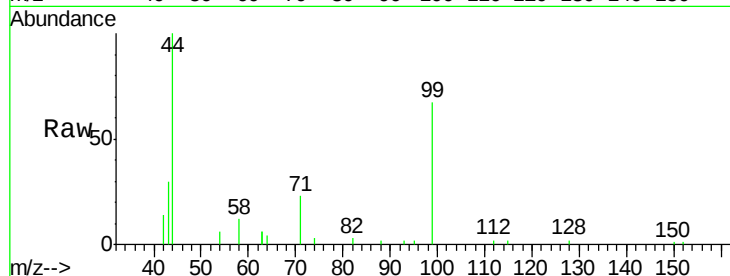
Tgt Ion: 99 Resp: 3557

Ion Ratio Lower Upper

99 100

42 24.0 20.2 30.2

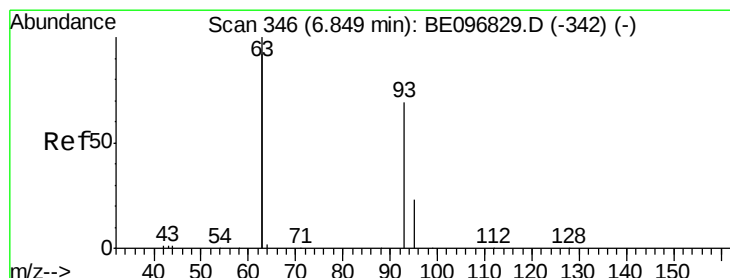
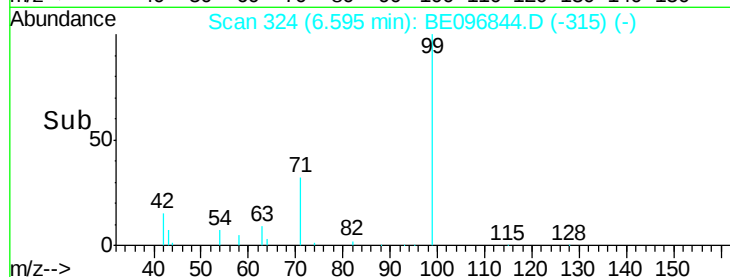
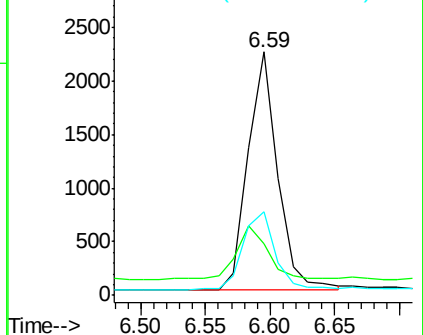
71 35.1 28.4 42.6



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: 0.314 ng

RT: 6.85 min Scan# 346

Delta R.T. -0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

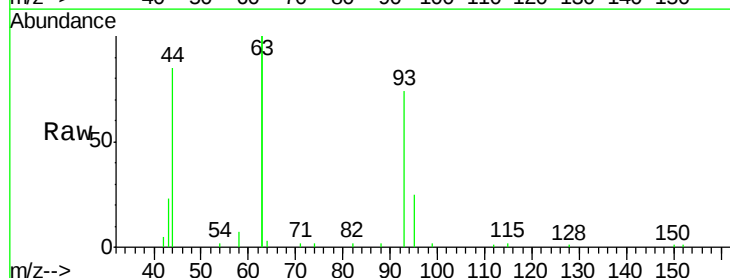
Tgt Ion: 93 Resp: 4572

Ion Ratio Lower Upper

93 100

63 338.1 275.3 412.9

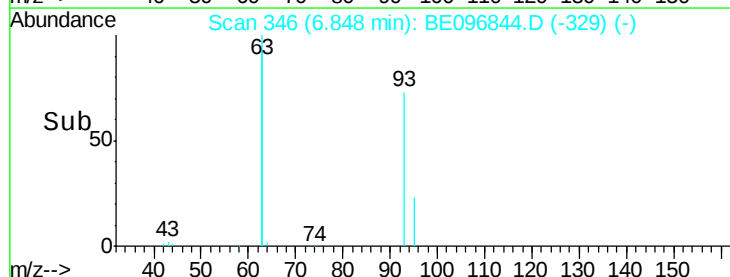
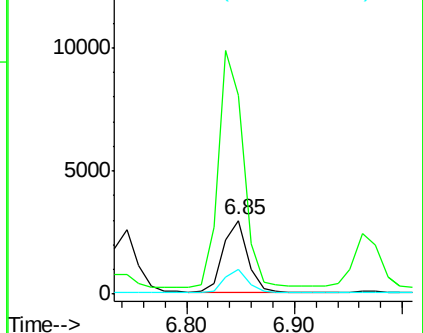
95 32.1 25.2 37.8

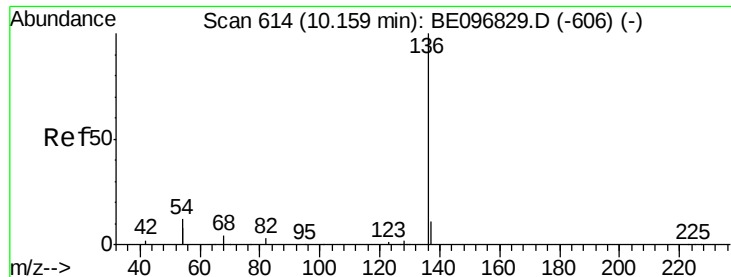


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 614

Delta R.T. 0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB110591BS

Tgt Ion: 136 Resp: 16195

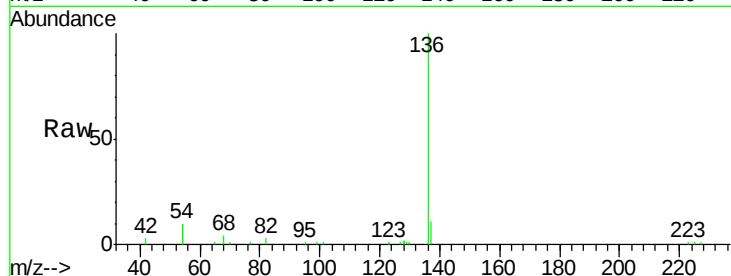
Ion Ratio Lower Upper

136 100

137 10.6 9.5 14.3

54 20.2 29.1 43.7#

68 4.3 6.2 9.2#

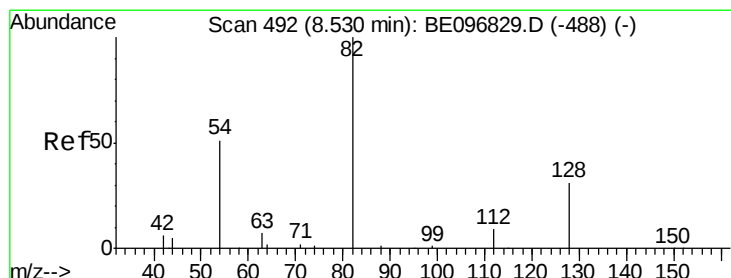
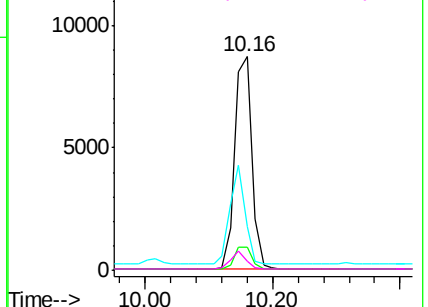
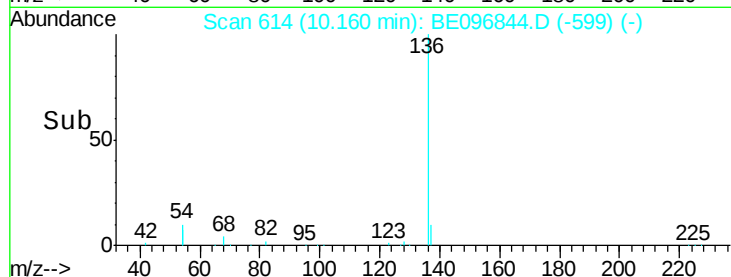


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.334 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

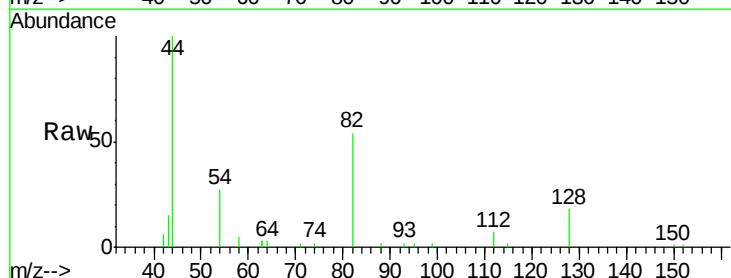
Tgt Ion: 82 Resp: 3280

Ion Ratio Lower Upper

82 100

128 32.5 24.0 36.0

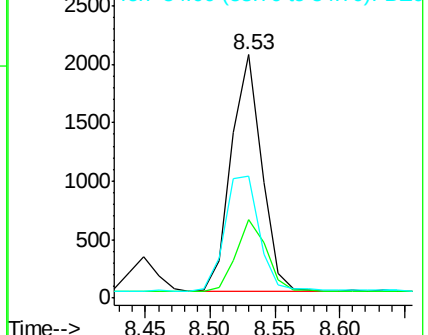
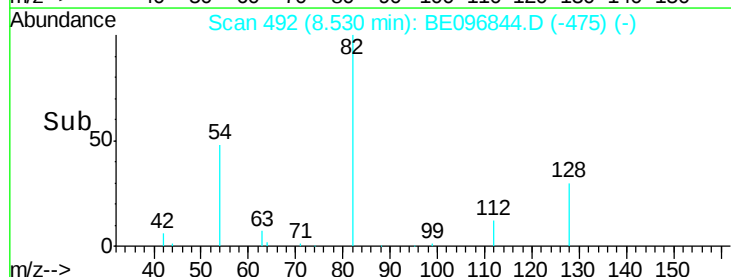
54 50.0 40.0 60.0

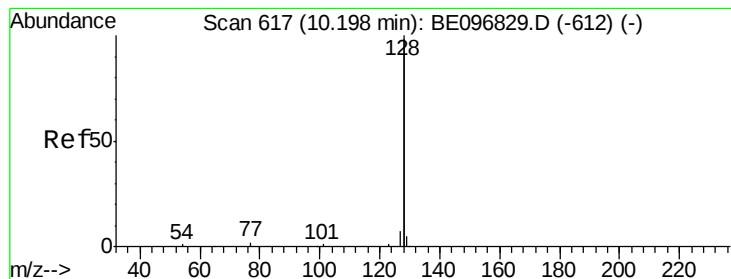


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.371 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB110591BS

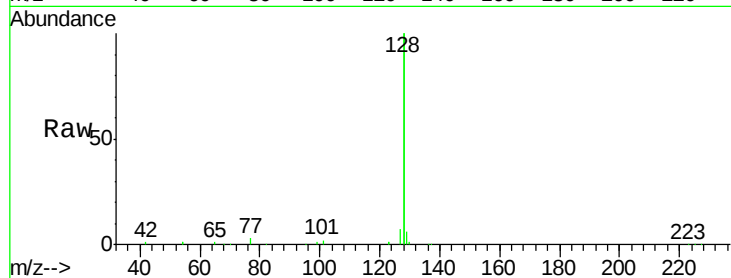
Tgt Ion:128 Resp: 54581

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

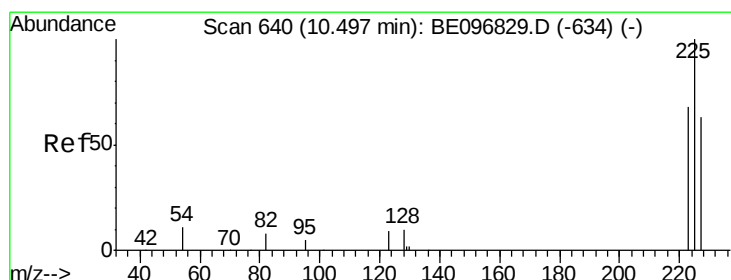
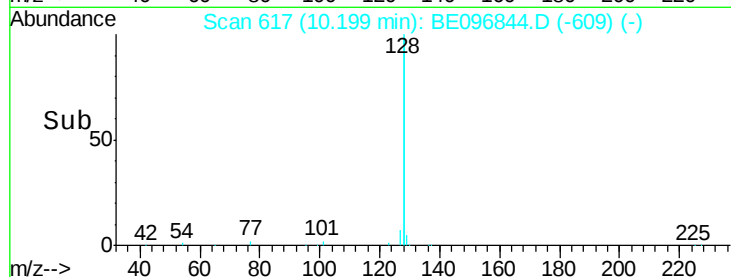
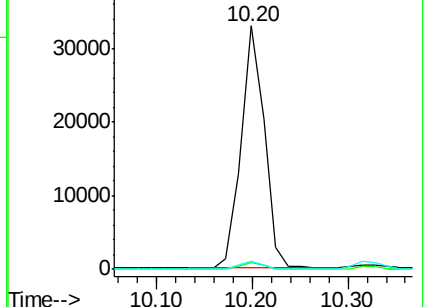
127 3.4 2.8 4.2



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



#10

Hexachlorobutadiene

Concen: 0.346 ng

RT: 10.50 min Scan# 640

Delta R.T. 0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

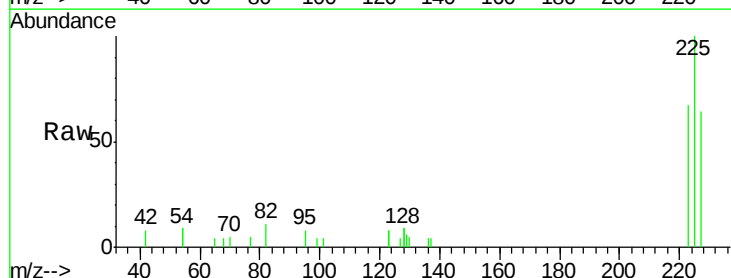
Tgt Ion:225 Resp: 2119

Ion Ratio Lower Upper

225 100

223 63.8 53.0 79.6

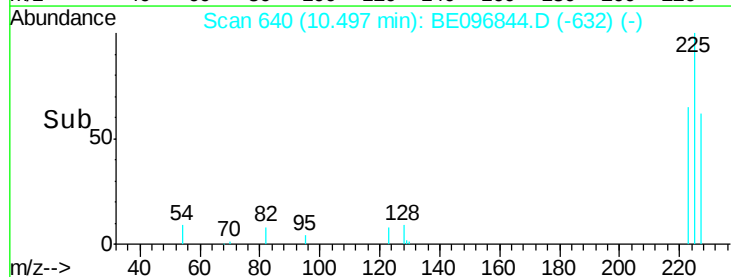
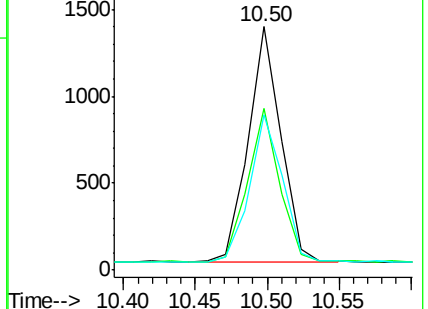
227 63.4 51.4 77.2

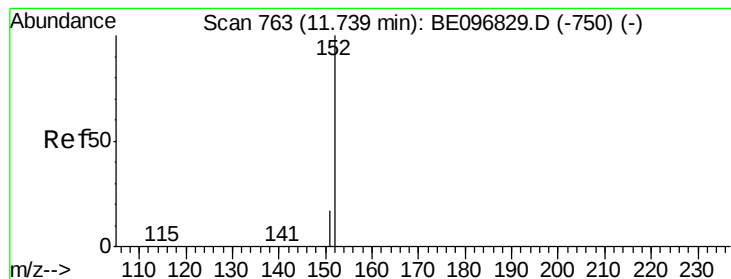


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.381 ng

RT: 11.74 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

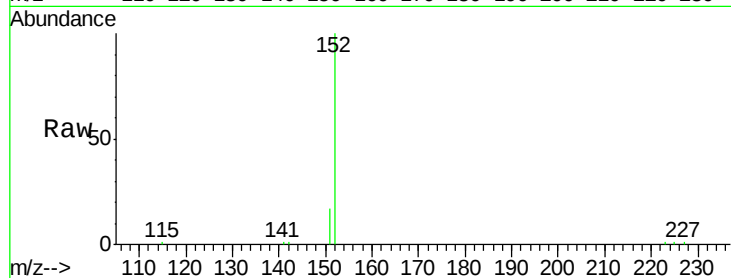
PB110591BS

Tgt Ion:152 Resp: 8885

Ion Ratio Lower Upper

152 100

151 16.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.74

5000

4000

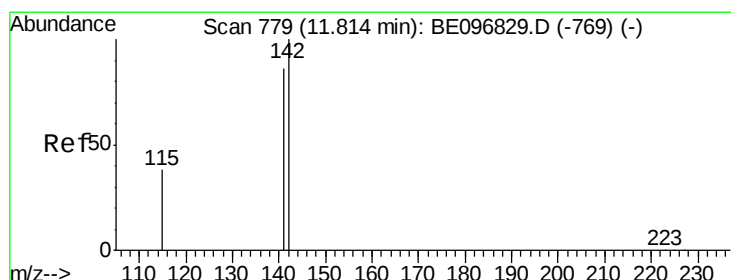
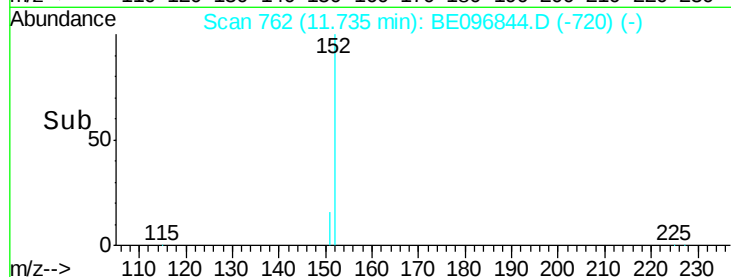
3000

2000

1000

0

Time--> 11.60 11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.342 ng

RT: 11.81 min Scan# 778

Delta R.T. -0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

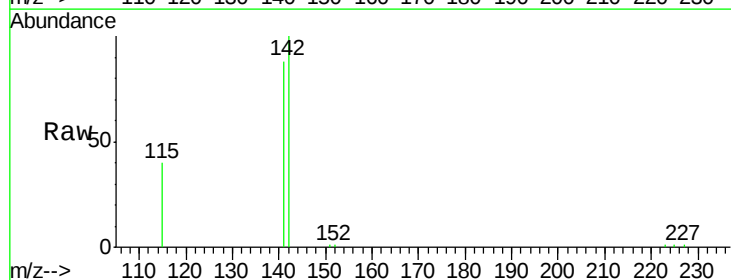
Tgt Ion:142 Resp: 8343

Ion Ratio Lower Upper

142 100

141 87.5 70.4 105.6

115 39.8 31.7 47.5



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

11.81

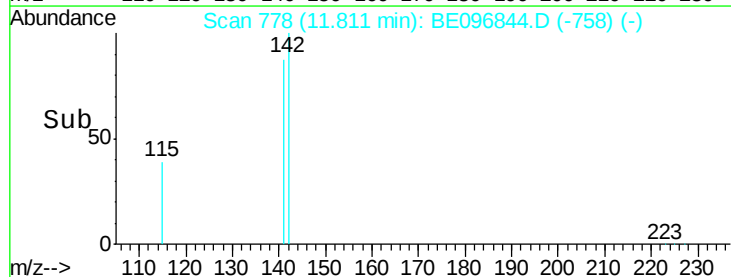
6000

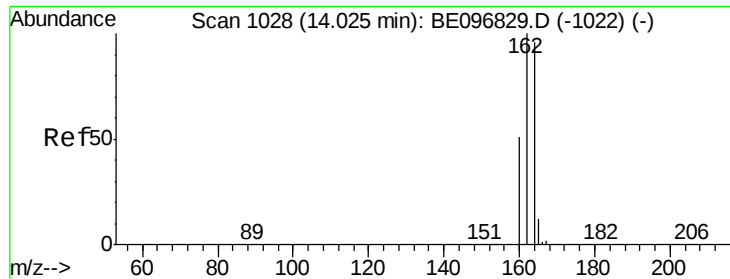
4000

2000

0

Time--> 11.80 11.90

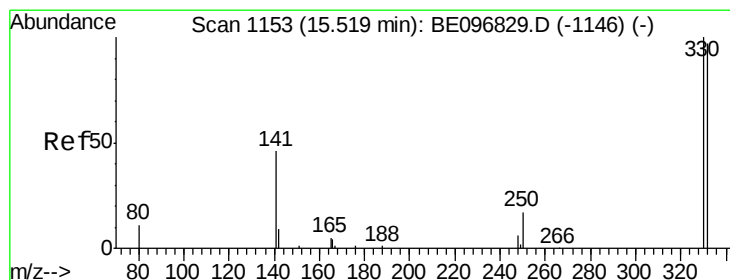
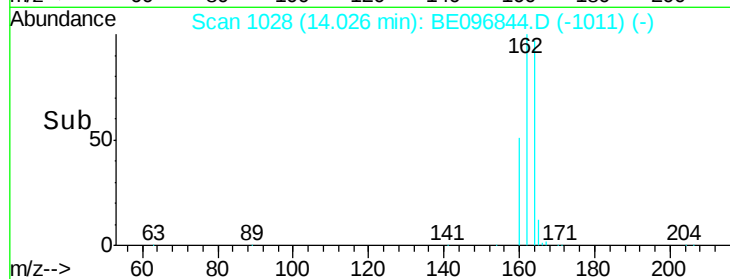
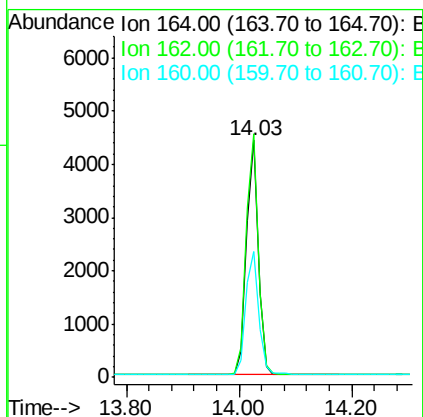
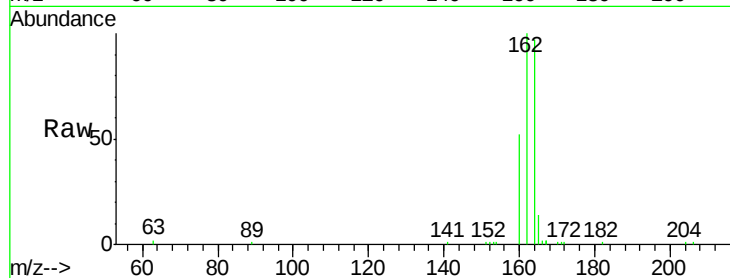




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.03 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BE096844.D
 Acq: 26 Jun 2018 9:54

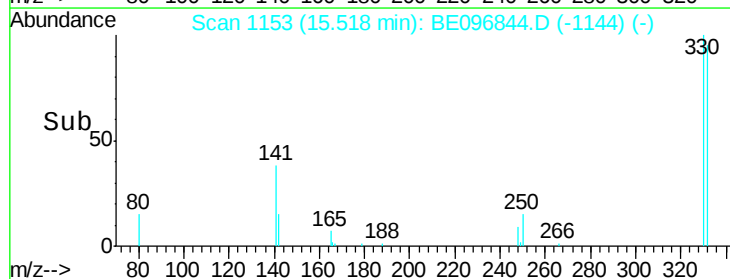
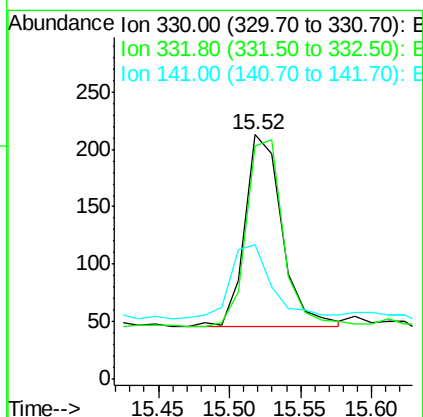
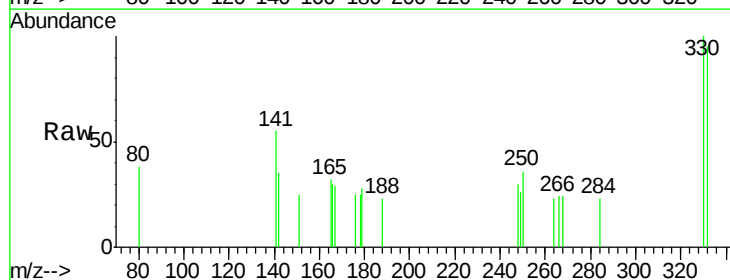
Instrument :
 BNA_E
 ClientSampleId :
 PB110591BS

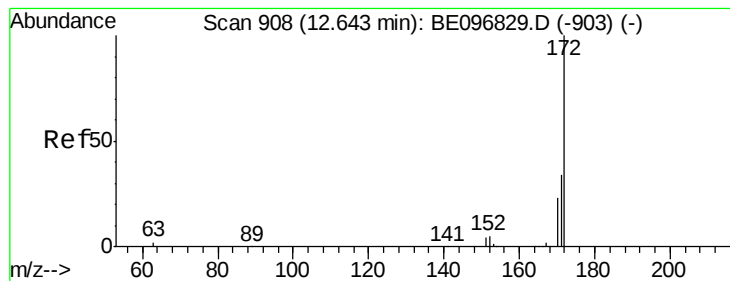
Tgt Ion:164 Resp: 6562
 Ion Ratio Lower Upper
 164 100
 162 102.8 83.1 124.7
 160 53.2 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.296 ng
 RT: 15.52 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: BE096844.D
 Acq: 26 Jun 2018 9:54

Tgt Ion:330 Resp: 301
 Ion Ratio Lower Upper
 330 100
 332 98.7 152.7 229.1#
 141 44.2 33.7 50.5





#15

2-Fluorobiphenyl

Concen: 0.419 ng

RT: 12.64 min Scan# 908

Delta R.T. 0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB110591BS

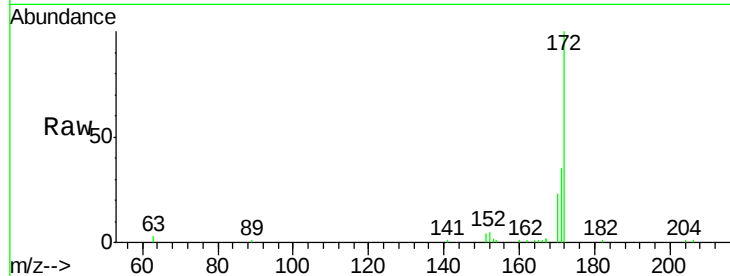
Tgt Ion:172 Resp: 10058

Ion Ratio Lower Upper

172 100

171 34.7 29.9 44.9

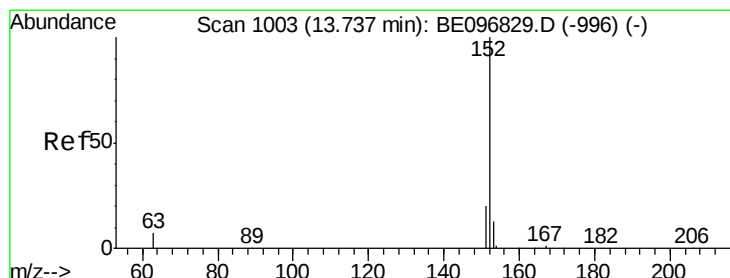
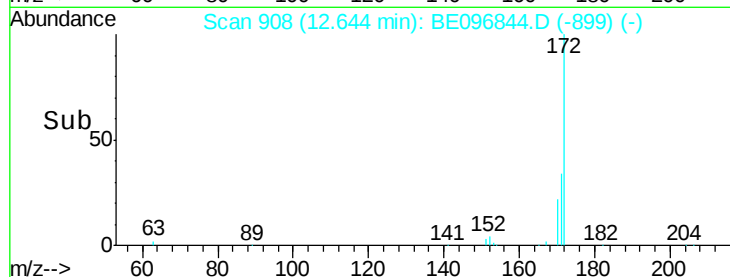
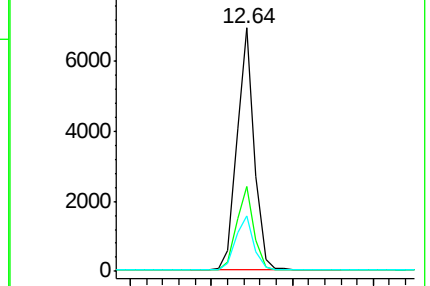
170 23.0 21.8 32.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.348 ng

RT: 13.74 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

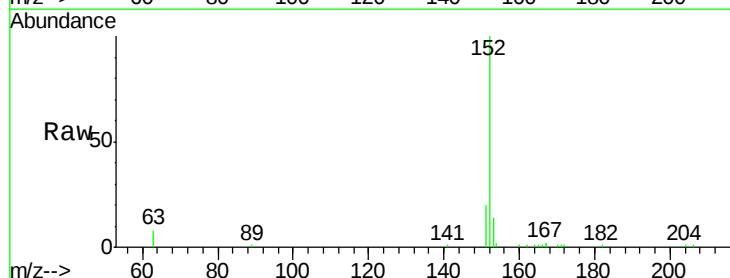
Tgt Ion:152 Resp: 9893

Ion Ratio Lower Upper

152 100

151 20.0 15.7 23.5

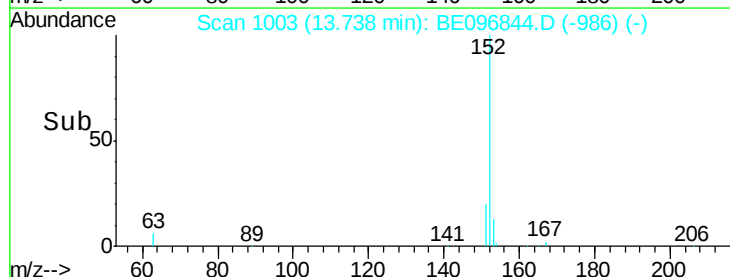
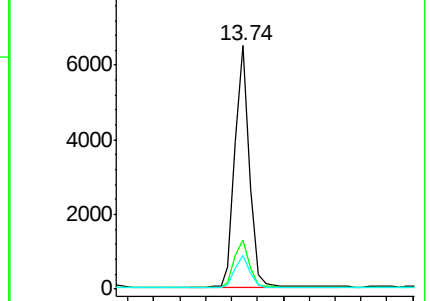
153 13.4 10.5 15.7

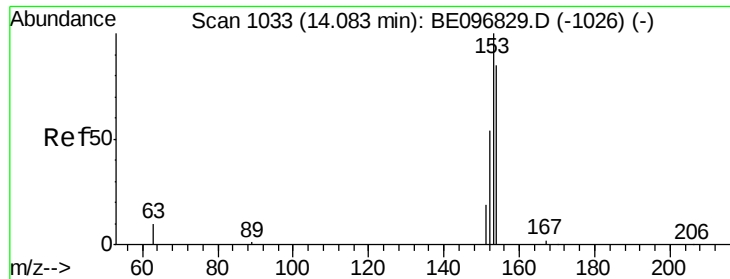


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.353 ng

RT: 14.08 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB110591BS

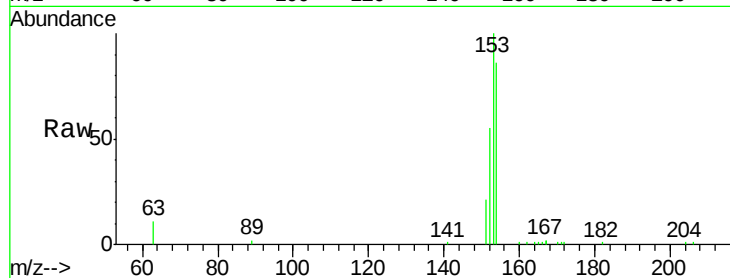
Tgt Ion:154 Resp: 6641

Ion Ratio Lower Upper

154 100

153 116.2 89.2 133.8

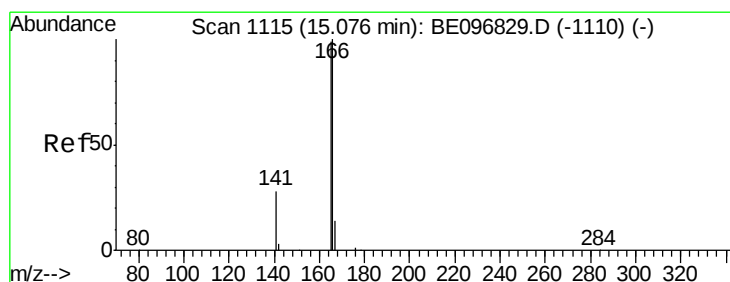
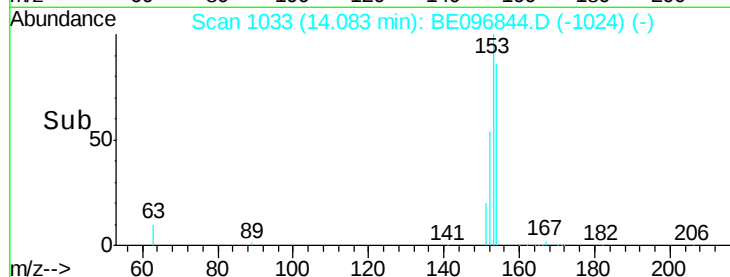
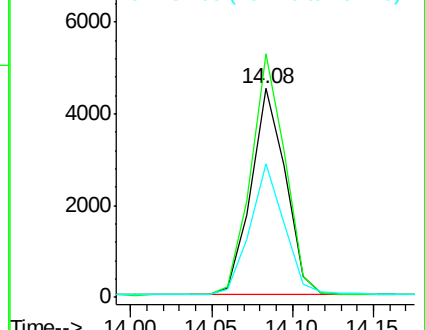
152 63.7 42.0 63.0#



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: 0.330 ng

RT: 15.08 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

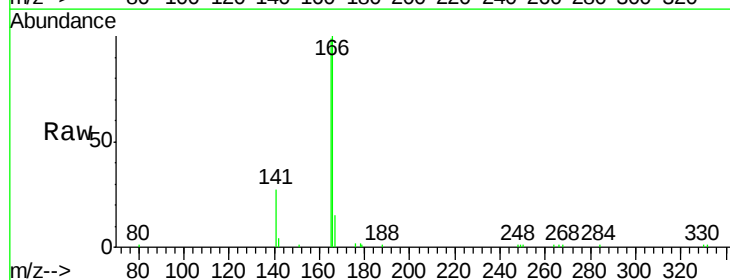
Tgt Ion:166 Resp: 7292

Ion Ratio Lower Upper

166 100

165 97.3 77.8 116.6

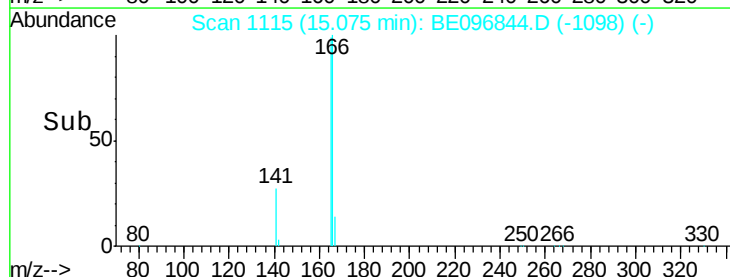
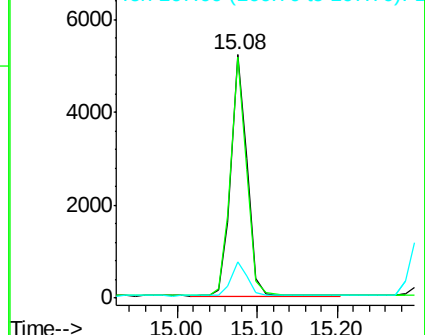
167 14.7 42.4 63.6#

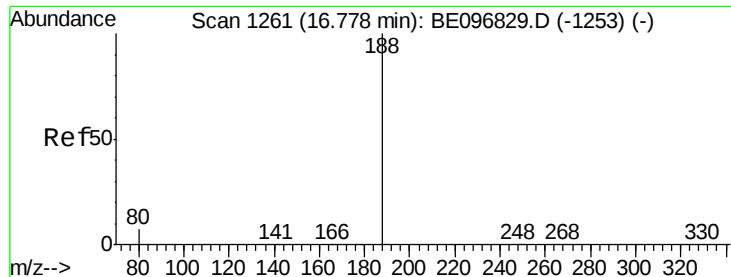


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.78 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB110591BS

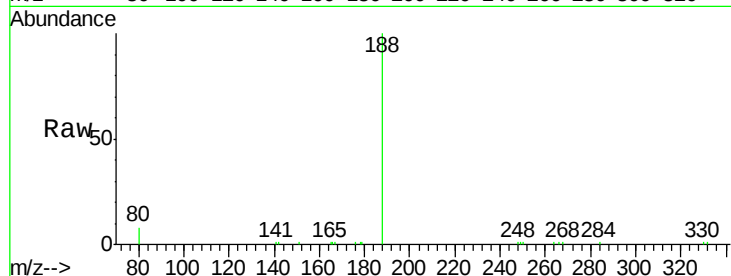
Tgt Ion:188 Resp: 14548

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

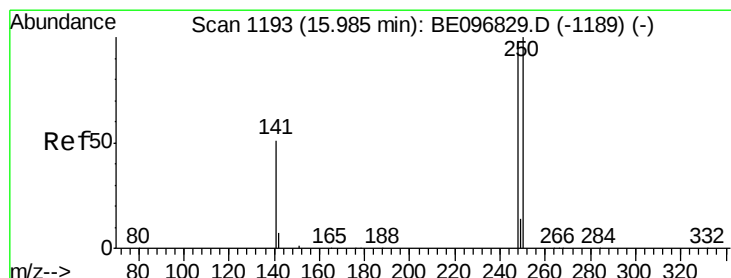
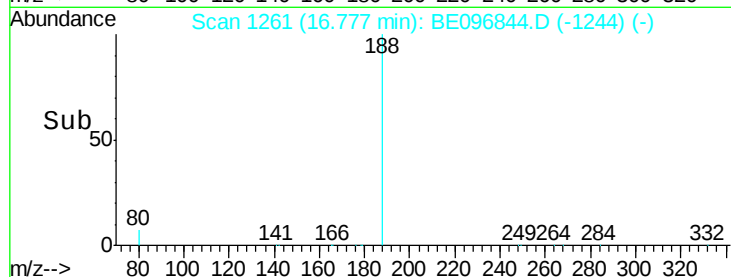
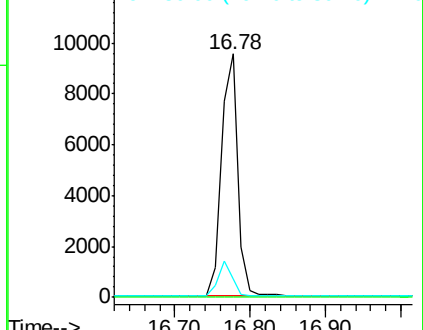
80 7.6 3.6 5.4#



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: 0.342 ng

RT: 15.98 min Scan# 1193

Delta R.T. -0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

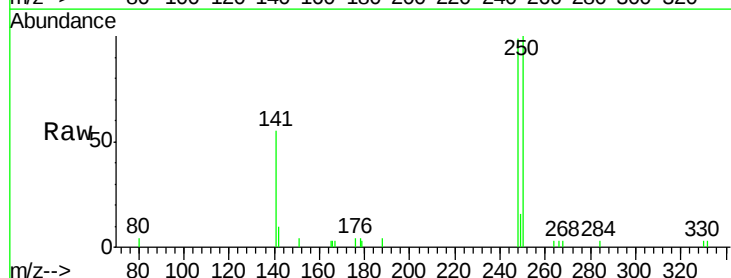
Tgt Ion:248 Resp: 2245

Ion Ratio Lower Upper

248 100

250 101.0 62.7 94.1#

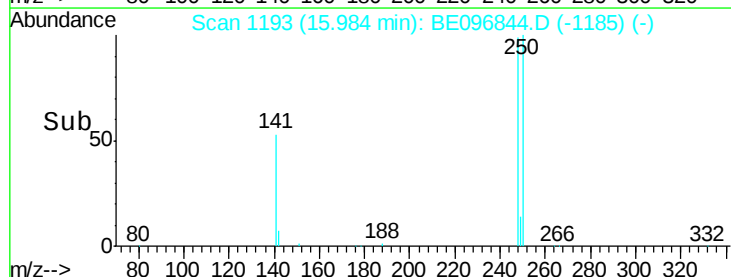
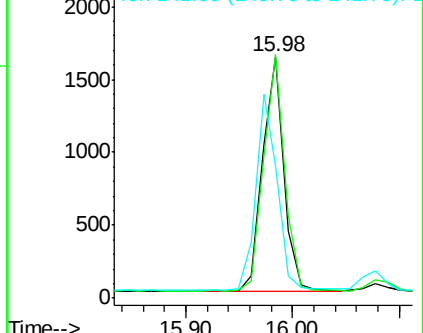
141 55.0 48.2 72.2

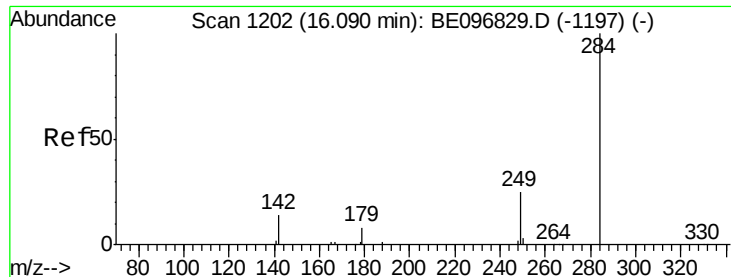


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.376 ng

RT: 16.09 min Scan# 1202

Delta R.T. -0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB110591BS

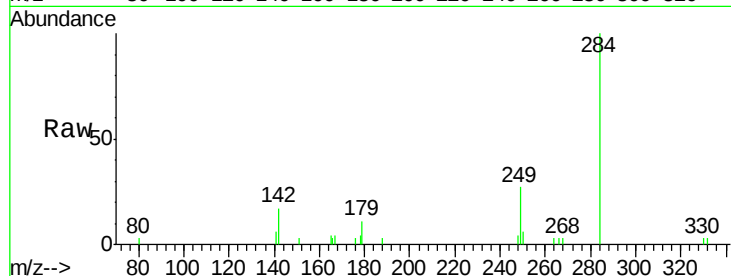
Tgt Ion:284 Resp: 2813

Ion Ratio Lower Upper

284 100

142 38.4 22.1 33.1#

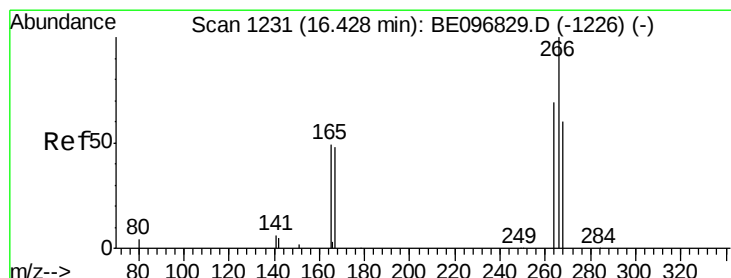
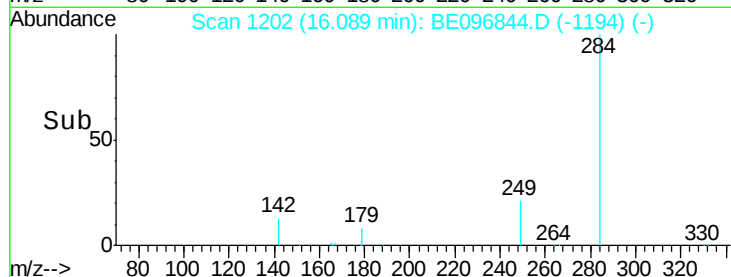
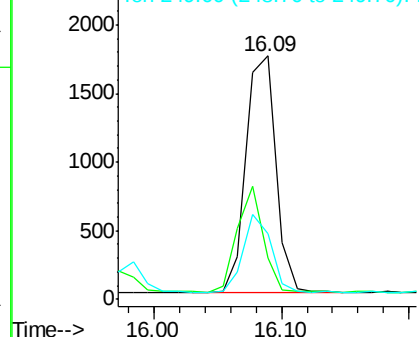
249 30.5 34.8 52.2#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.519 ng

RT: 16.43 min Scan# 1231

Delta R.T. -0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

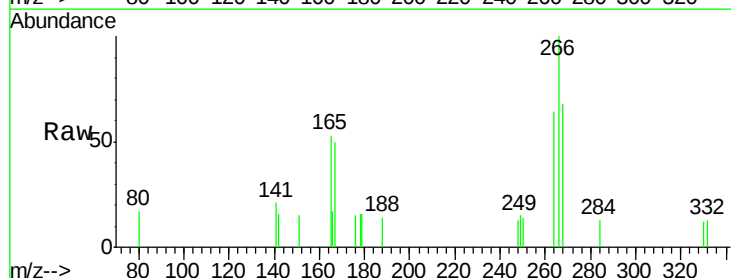
Tgt Ion:266 Resp: 610

Ion Ratio Lower Upper

266 100

264 64.4 72.5 108.7#

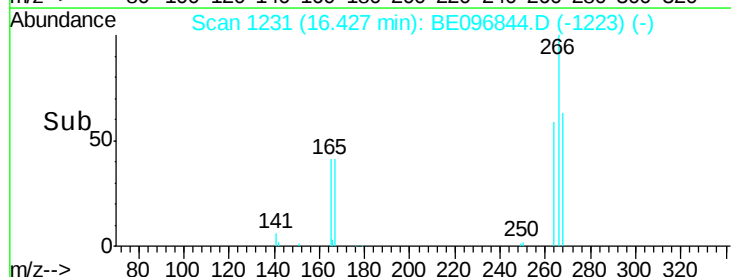
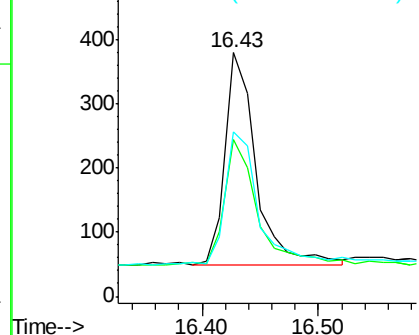
268 67.8 73.8 110.6#

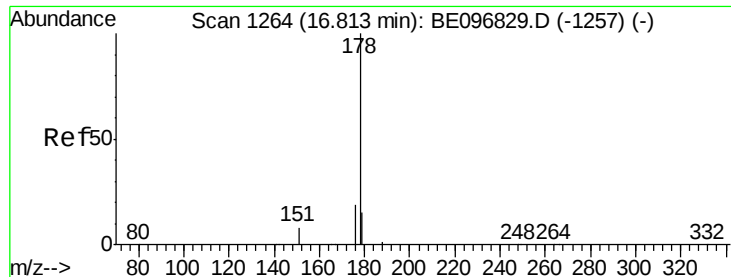


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.374 ng

RT: 16.81 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB110591BS

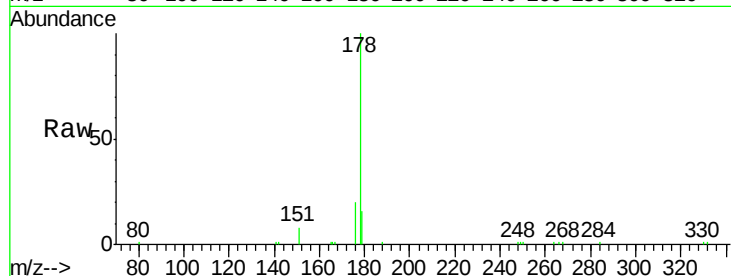
Tgt Ion:178 Resp: 13385

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

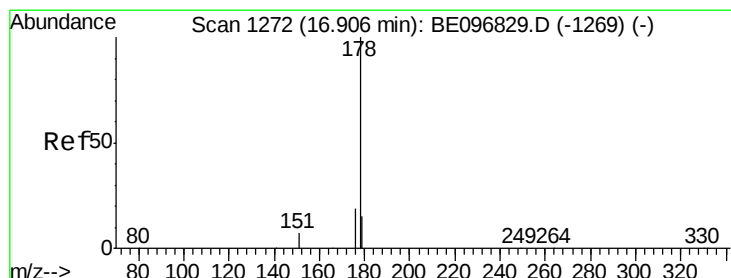
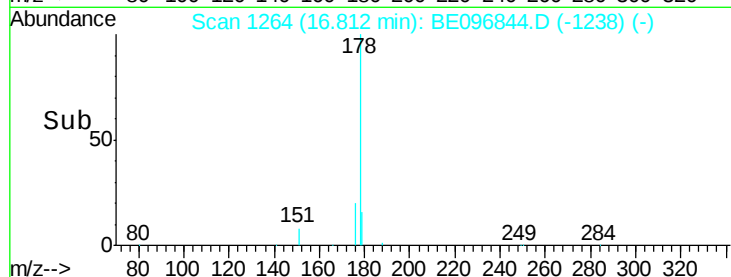
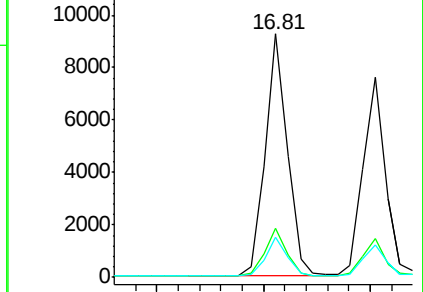
179 15.8 11.8 17.6



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



#24

Anthracene

Concen: 0.368 ng

RT: 16.90 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

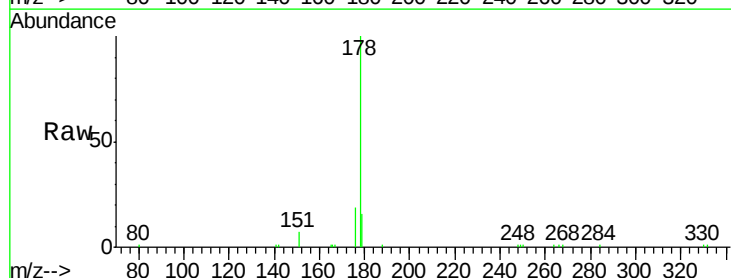
Tgt Ion:178 Resp: 10889

Ion Ratio Lower Upper

178 100

176 18.7 12.8 19.2

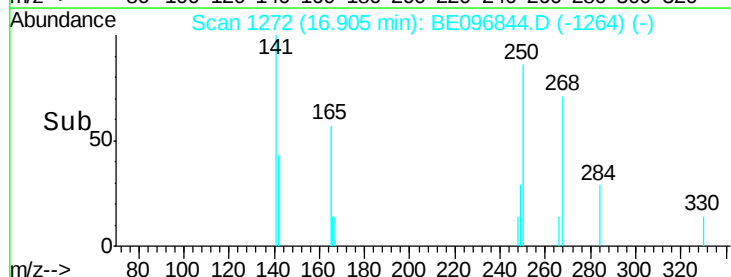
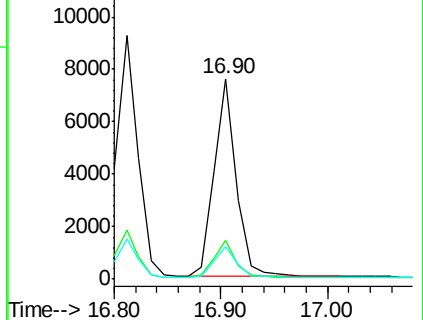
179 15.8 13.0 19.6

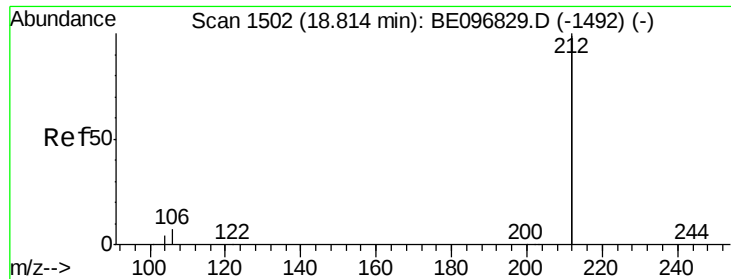


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.364 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB110591BS

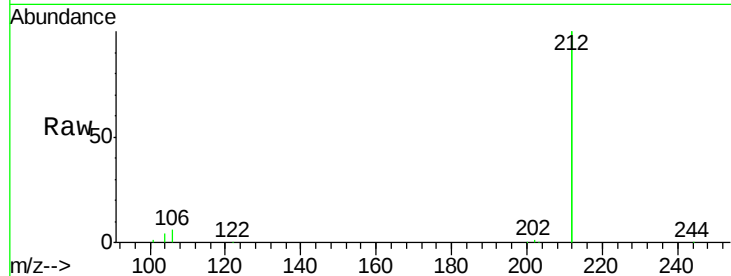
Tgt Ion:212 Resp: 46664

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

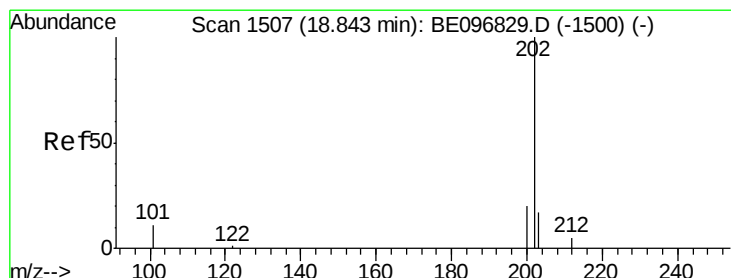
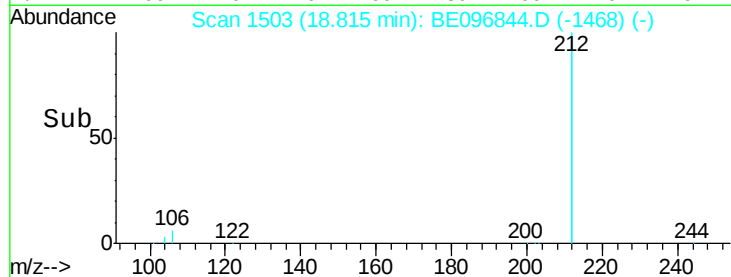
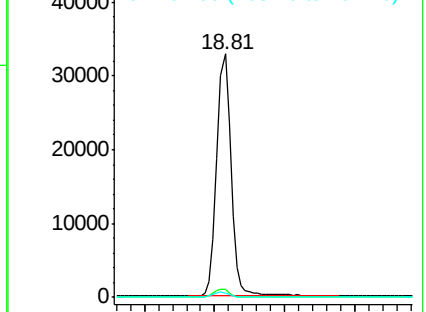
104 1.9 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.406 ng

RT: 18.84 min Scan# 1508

Delta R.T. 0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

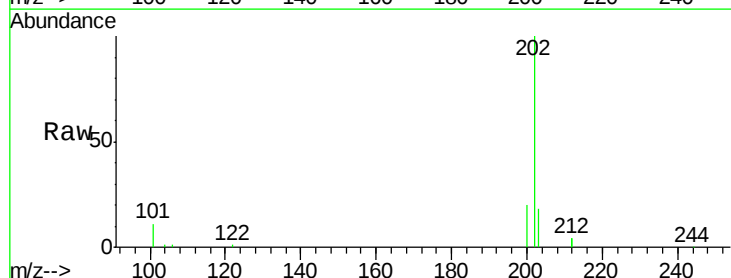
Tgt Ion:202 Resp: 14689

Ion Ratio Lower Upper

202 100

101 11.4 9.8 14.8

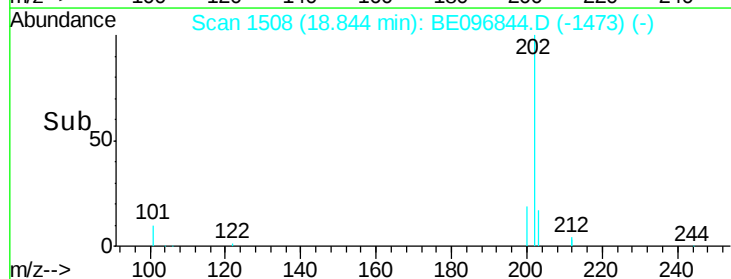
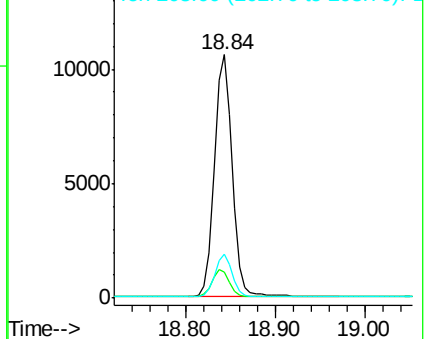
203 17.0 13.7 20.5

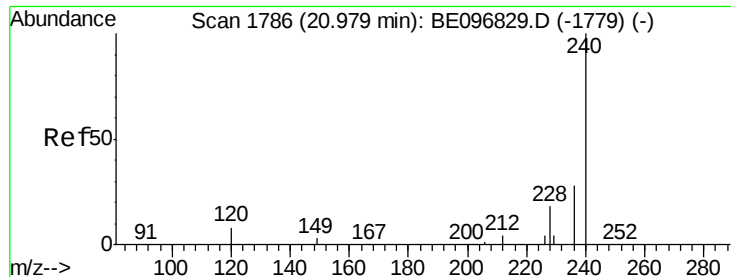


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB110591BS

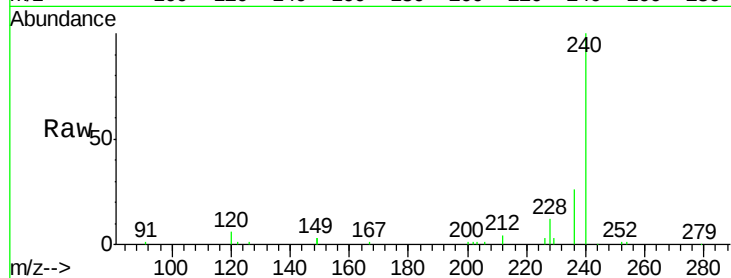
Tgt Ion:240 Resp: 14810

Ion Ratio Lower Upper

240 100

120 5.8 5.5 8.3

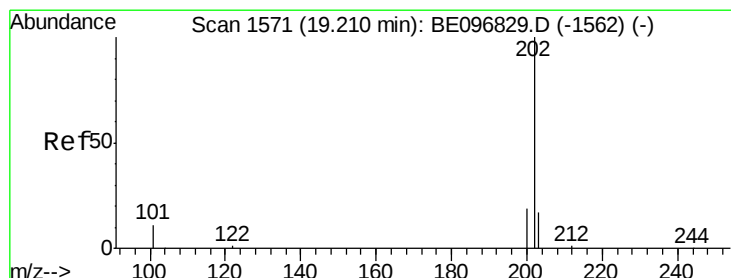
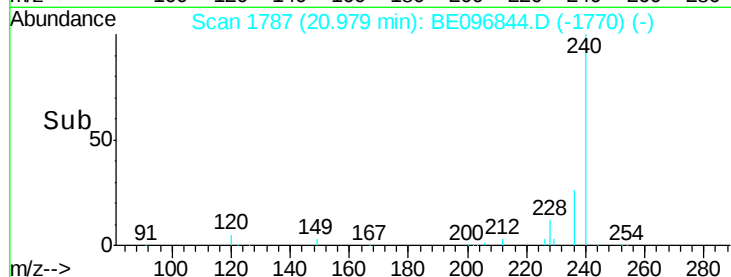
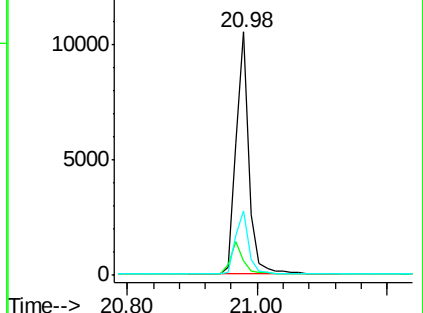
236 26.2 20.7 31.1



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



#28

Pyrene

Concen: 0.329 ng

RT: 19.21 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

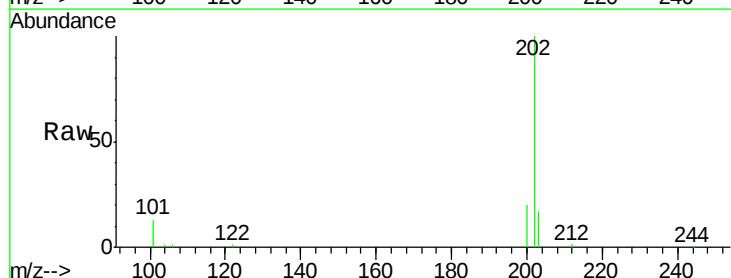
Tgt Ion:202 Resp: 14088

Ion Ratio Lower Upper

202 100

200 19.8 16.6 25.0

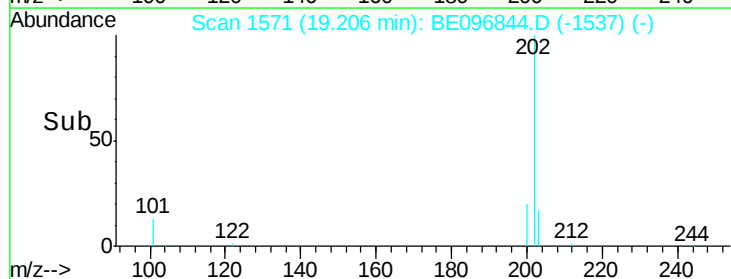
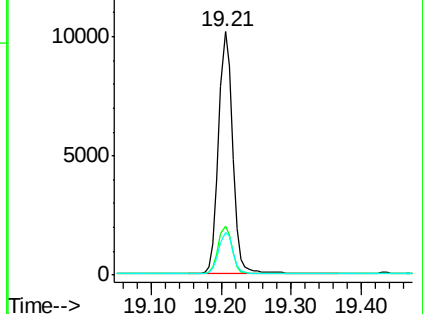
203 17.6 13.8 20.8

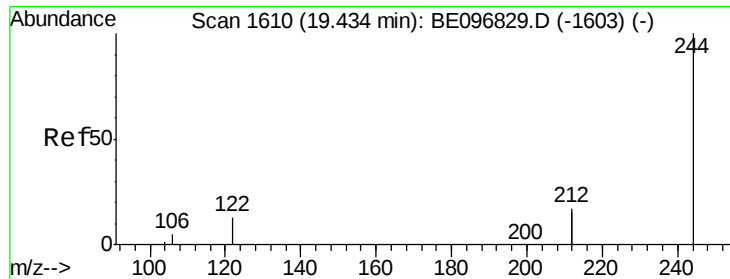


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.428 ng

RT: 19.44 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB110591BS

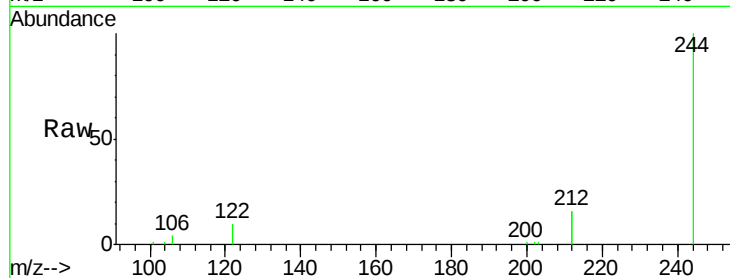
Tgt Ion:244 Resp: 12222

Ion Ratio Lower Upper

244 100

212 32.1 25.4 38.0

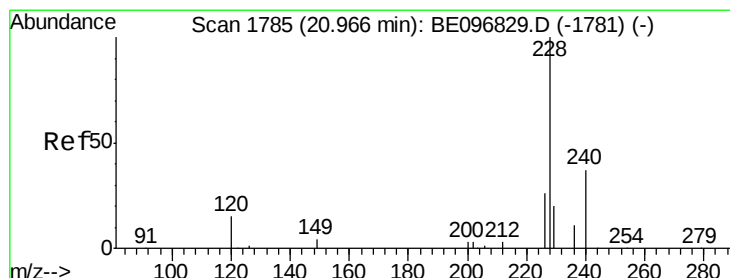
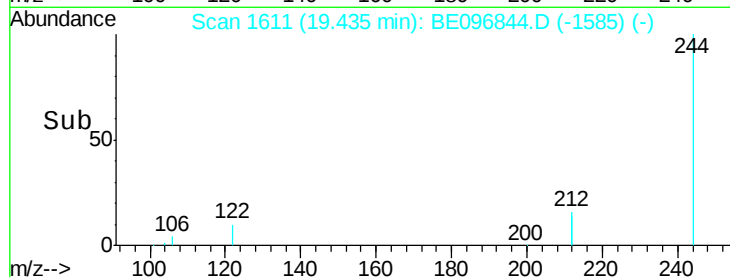
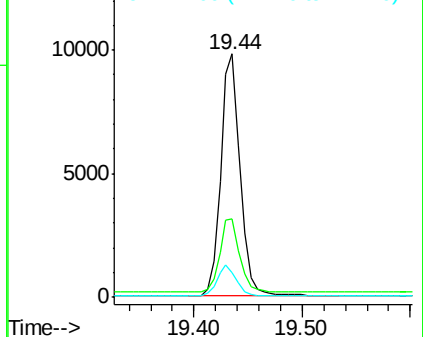
122 10.0 8.1 12.1



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: 0.369 ng

RT: 20.95 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

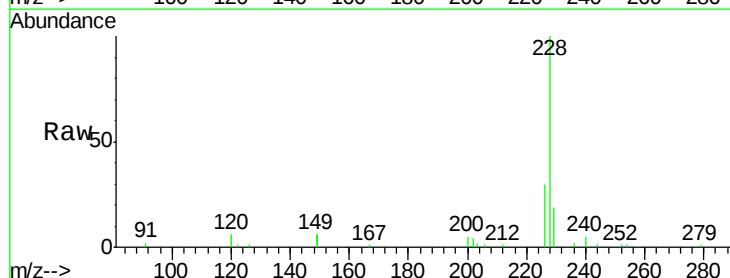
Tgt Ion:228 Resp: 12110

Ion Ratio Lower Upper

228 100

226 29.6 24.0 36.0

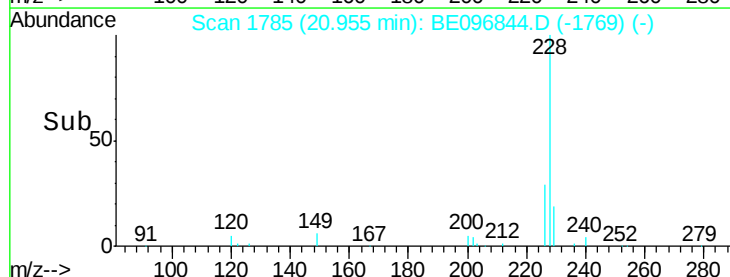
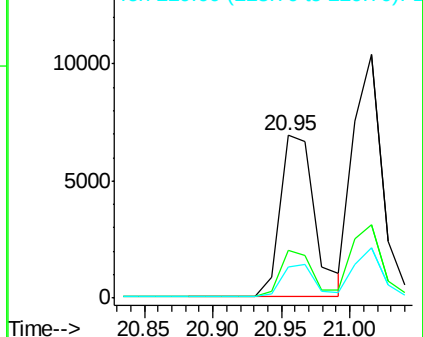
229 19.2 16.0 24.0

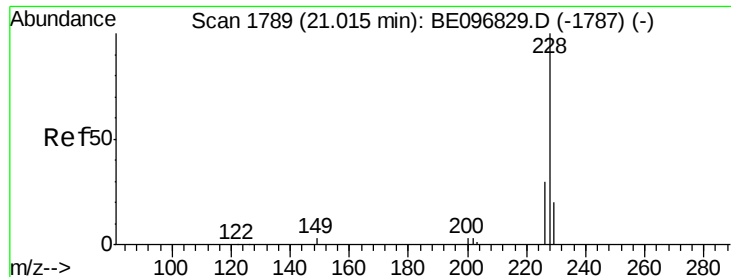


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.375 ng

RT: 21.02 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB110591BS

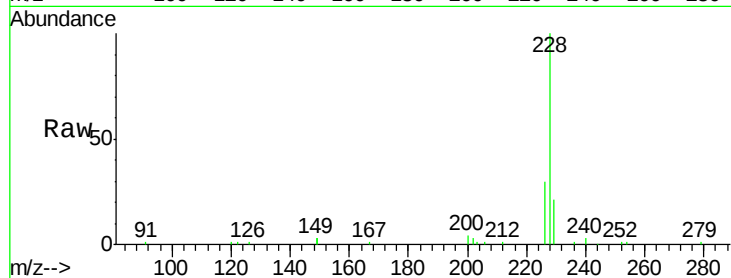
Tgt Ion:228 Resp: 15182

Ion Ratio Lower Upper

228 100

226 30.1 24.0 36.0

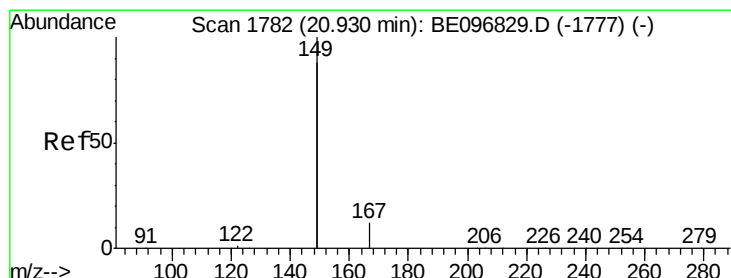
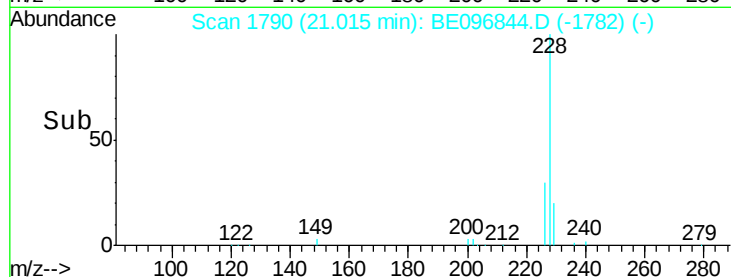
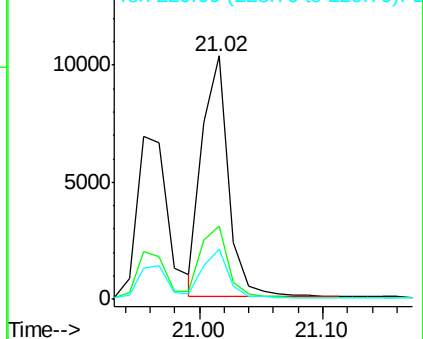
229 20.7 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.276 ng

RT: 20.93 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

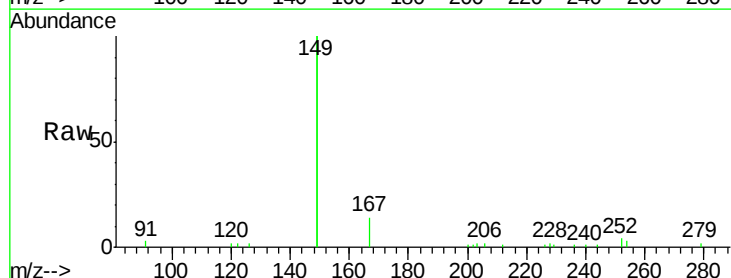
Tgt Ion:149 Resp: 8117

Ion Ratio Lower Upper

149 100

167 7.0 5.4 8.0

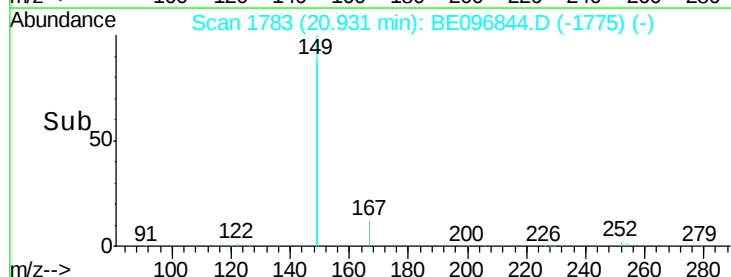
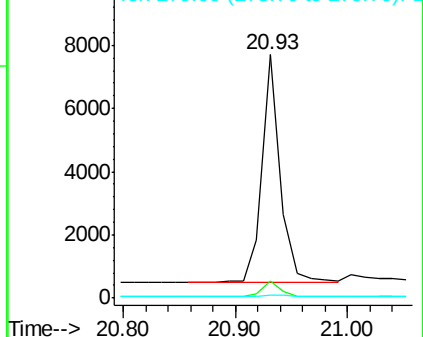
279 0.7 0.7 1.1#

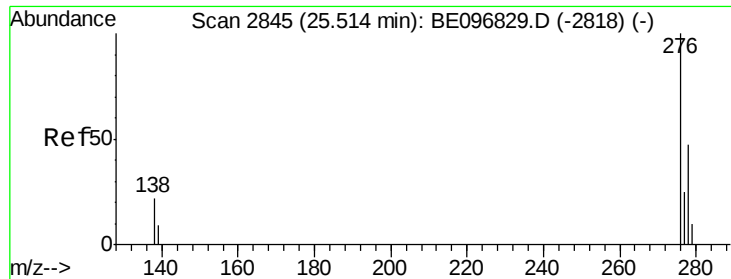


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

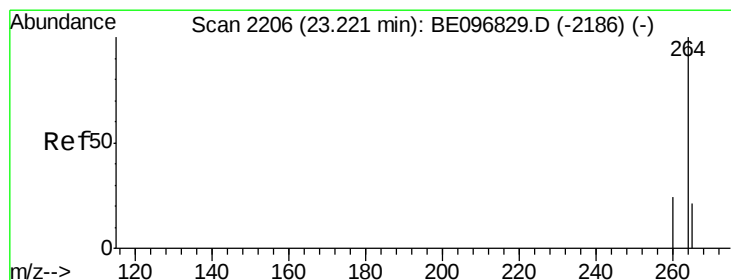
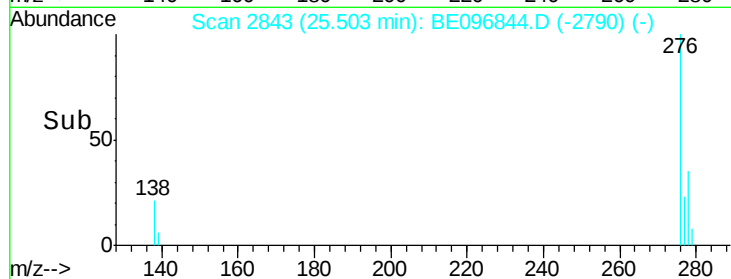
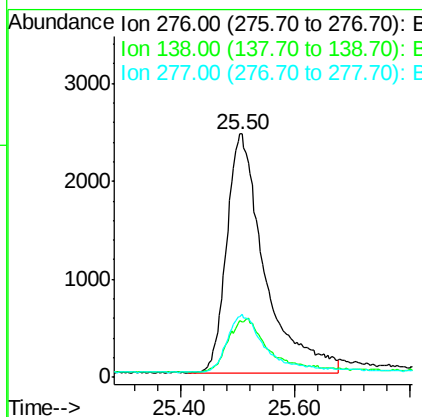
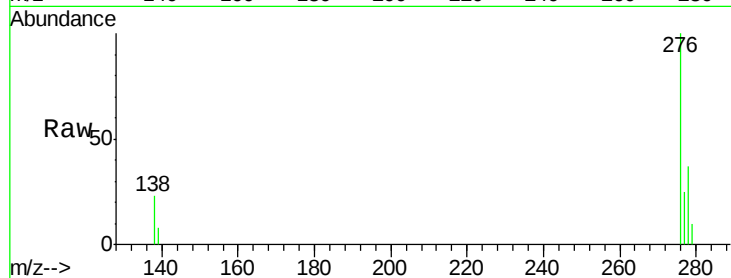




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.372 ng
 RT: 25.50 min Scan# 2843
 Delta R.T. -0.01 min
 Lab File: BE096844.D
 Acq: 26 Jun 2018 9:54

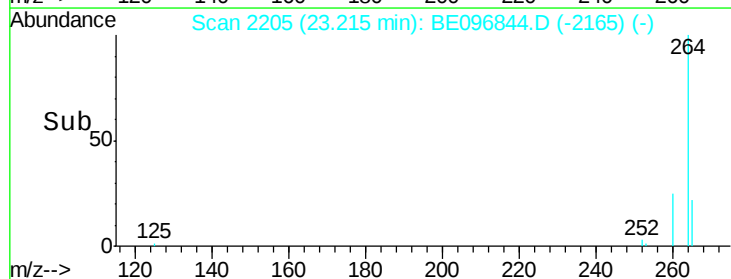
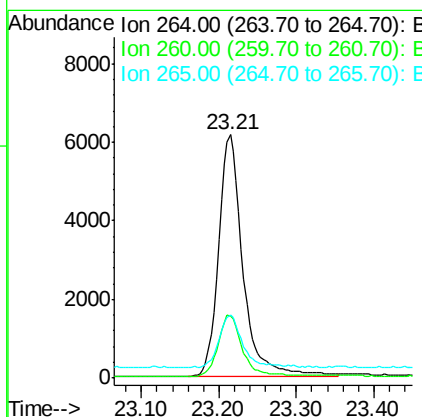
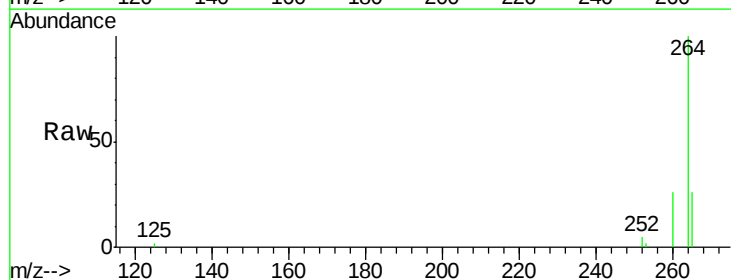
Instrument :
 BNA_E
 ClientSampleId :
 PB110591BS

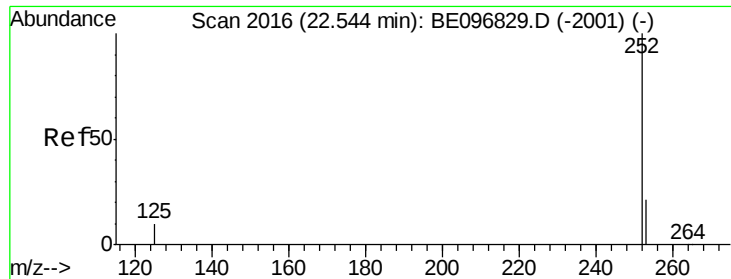
Tgt Ion: 276 Resp: 11215
 Ion Ratio Lower Upper
 276 100
 138 21.6 22.5 33.7#
 277 24.2 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2205
 Delta R.T. -0.01 min
 Lab File: BE096844.D
 Acq: 26 Jun 2018 9:54

Tgt Ion: 264 Resp: 13309
 Ion Ratio Lower Upper
 264 100
 260 25.6 20.5 30.7
 265 25.7 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.331 ng

RT: 22.54 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB110591BS

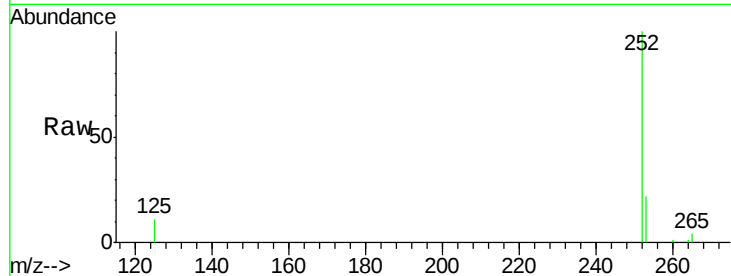
Tgt Ion:252 Resp: 12027

Ion Ratio Lower Upper

252 100

253 22.5 20.0 30.0

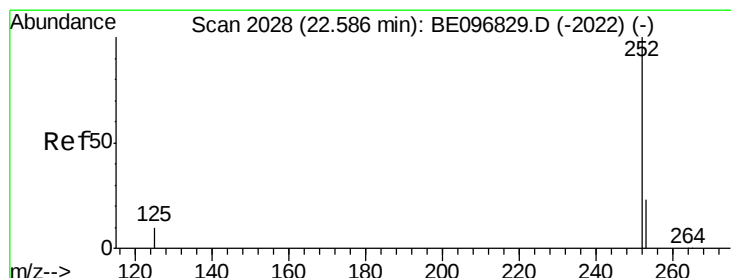
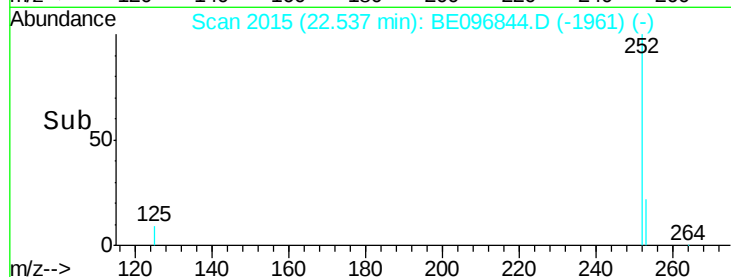
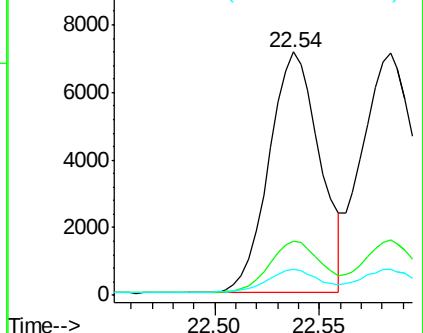
125 10.6 16.0 24.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.360 ng

RT: 22.58 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

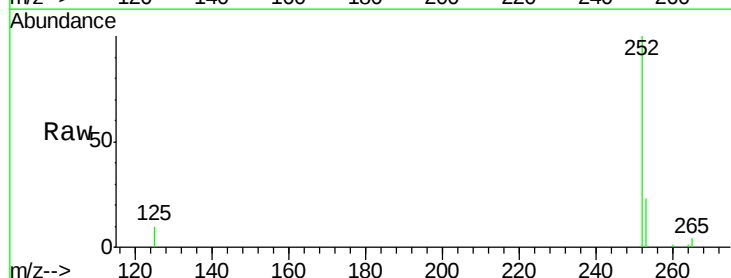
Tgt Ion:252 Resp: 14094

Ion Ratio Lower Upper

252 100

253 22.6 16.0 24.0

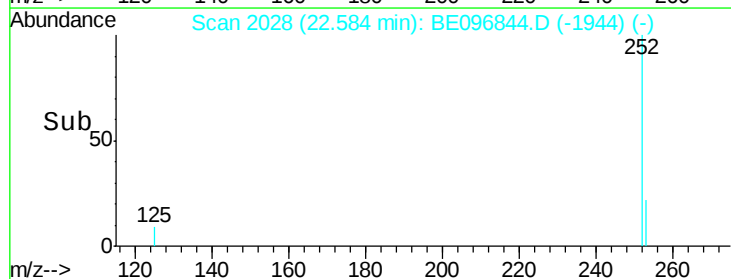
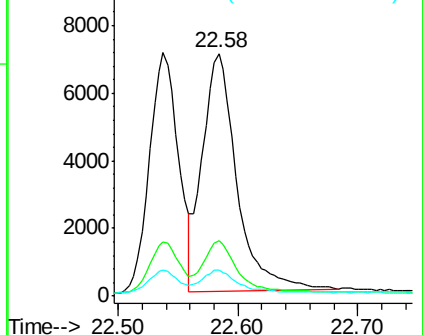
125 10.5 8.0 12.0

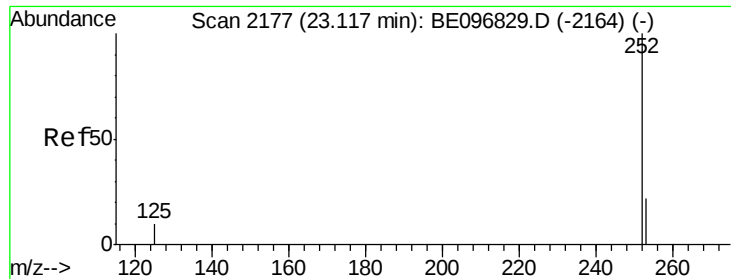


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.351 ng

RT: 23.11 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB110591BS

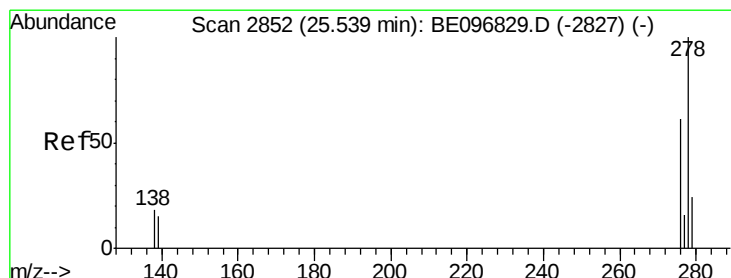
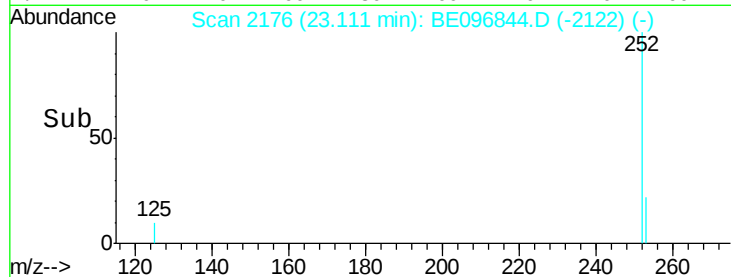
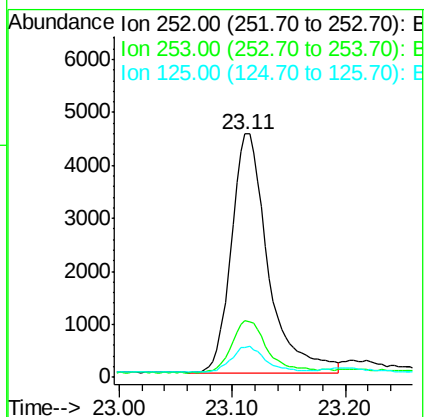
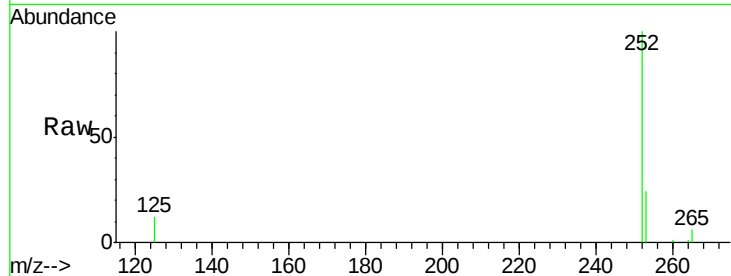
Tgt Ion:252 Resp: 10134

Ion Ratio Lower Upper

252 100

253 23.5 16.0 24.0

125 12.3 12.0 18.0



#38

Dibenzo(a,h)anthracene

Concen: 0.345 ng

RT: 25.53 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

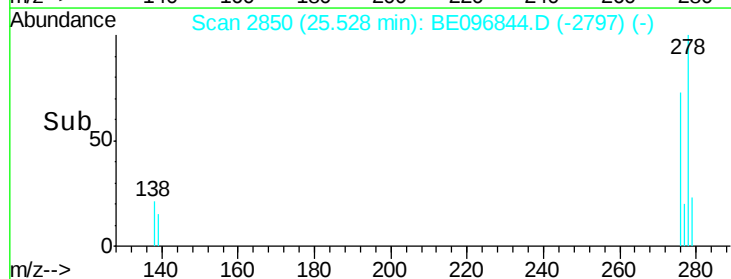
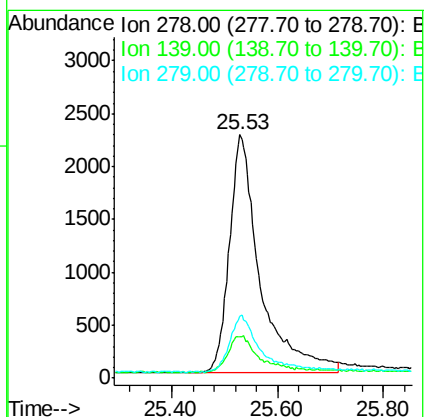
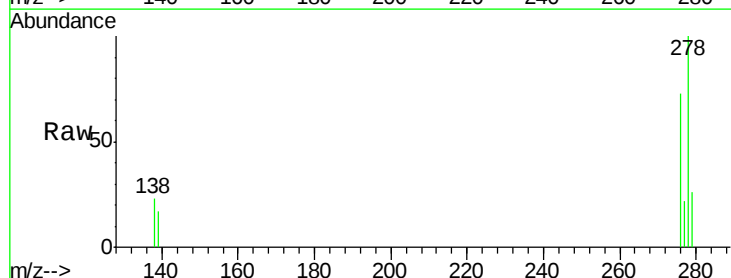
Tgt Ion:278 Resp: 9176

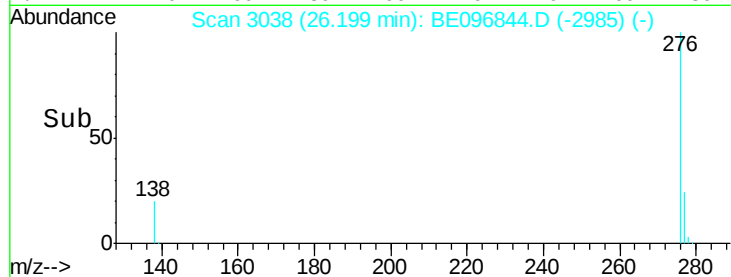
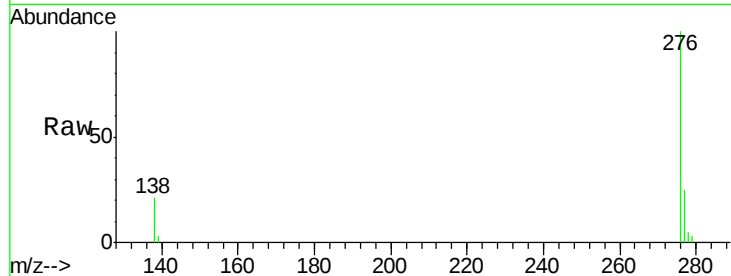
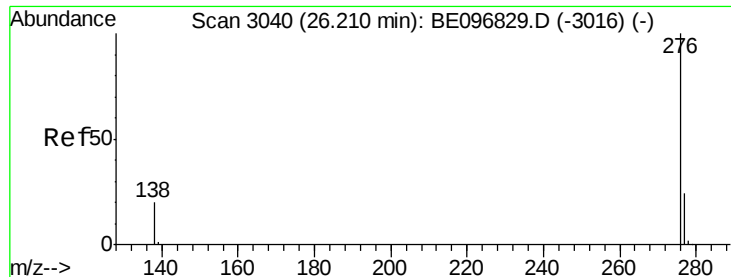
Ion Ratio Lower Upper

278 100

139 17.0 16.0 24.0

279 25.6 20.0 30.0





#39

Benzo(g,h,i)perylene

Concen: 0.336 ng

RT: 26.20 min Scan# 3038

Delta R.T. -0.01 min

Lab File: BE096844.D

Acq: 26 Jun 2018 9:54

Instrument :

BNA_E

ClientSampleId :

PB110591BS

Tgt Ion: 276 Resp: 10822

Ion Ratio Lower Upper

276 100

277 25.1 16.0 24.0#

138 21.4 20.0 30.0

