

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071318\
 Data File : BE096900.D
 Acq On : 13 Jul 2018 11:05
 Operator : SJ/JU
 Sample : PB111075BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB111075BS

Quant Time: Jul 13 17:03:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 13 17:02:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	2056	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	8695	0.40	ng	0.00
13) Acenaphthene-d10	14.03	164	3561	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	8208	0.40	ng	0.00
27) Chrysene-d12	20.98	240	8670	0.40	ng	0.00
34) Perylene-d12	23.21	264	9196	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	1997	0.43	ng	0.00
5) Phenol-d6	6.59	99	2515	0.37	ng	0.00
8) Nitrobenzene-d5	8.53	82	2486	0.47	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	5551	0.44	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	215	0.34	ng	0.00
15) 2-Fluorobiphenyl	12.64	172	5894	0.45	ng	0.00
25) Fluoranthene-d10	18.81	212	32427	0.45	ng	0.00
29) Terphenyl-d14	19.44	244	8173	0.49	ng	0.00

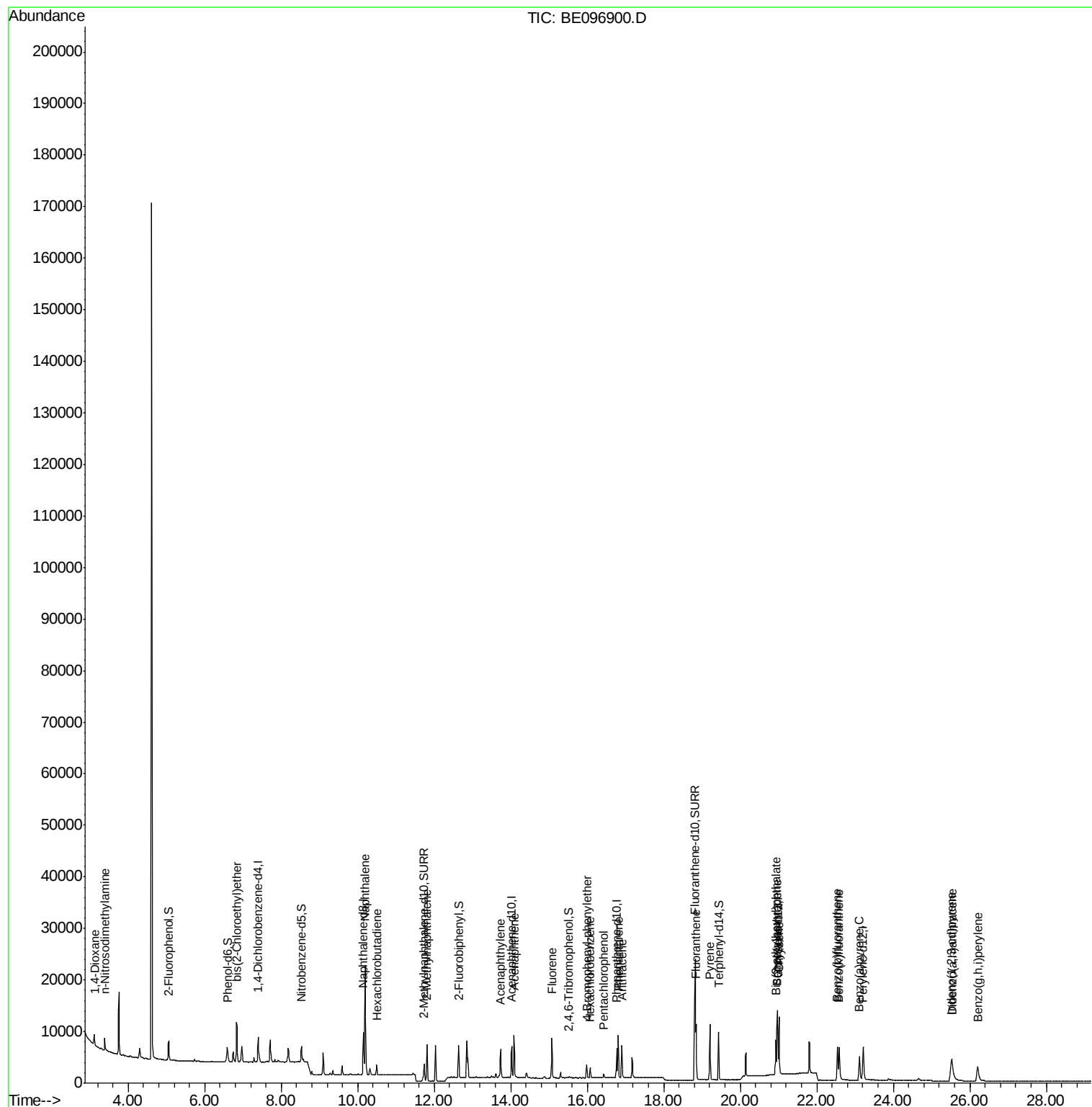
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.12	88	1099	0.357	ng	# 76
3) n-Nitrosodimethylamine	3.39	42	1410	0.432	ng	# 92
6) bis(2-Chloroethyl)ether	6.85	93	2702	0.359	ng	97
9) Naphthalene	10.20	128	32218	0.408	ng	100
10) Hexachlorobutadiene	10.50	225	1260	0.384	ng	98
12) 2-Methylnaphthalene	11.81	142	4947	0.378	ng	99
16) Acenaphthylene	13.74	152	6168	0.399	ng	99
17) Acenaphthene	14.08	154	3974	0.389	ng	94
18) Fluorene	15.08	166	4285	0.357	ng	# 81
20) 4-Bromophenyl-phenylether	15.99	248	1396	0.377	ng	# 73
21) Hexachlorobenzene	16.08	284	1598	0.379	ng	# 80
22) Pentachlorophenol	16.43	266	481	0.680	ng	# 73
23) Phenanthrene	16.81	178	8156	0.404	ng	98
24) Anthracene	16.91	178	7134	0.427	ng	97
26) Fluoranthene	18.84	202	9792	0.480	ng	98
28) Pyrene	19.21	202	9490	0.378	ng	99
30) Benzo(a)anthracene	20.95	228	8535	0.444	ng	98
31) Chrysene	21.01	228	9506	0.401	ng	99
32) Bis(2-ethylhexyl)phthalate	20.93	149	7091	0.412	ng	100
33) Indeno(1,2,3-cd)pyrene	25.51	276	8675	0.492	ng	# 81
35) Benzo(b)fluoranthene	22.54	252	8657	0.345	ng	# 88
36) Benzo(k)fluoranthene	22.58	252	9495	0.353	ng	95
37) Benzo(a)pyrene	23.11	252	7424	0.373	ng	92
38) Dibenzo(a,h)anthracene	25.54	278	7044	0.371	ng	97
39) Benzo(g,h,i)perylene	26.20	276	7816	0.351	ng	# 92

(#) = 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. 0.01 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

Instrument :

BNA_E

ClientSampleId :

PB111075BS

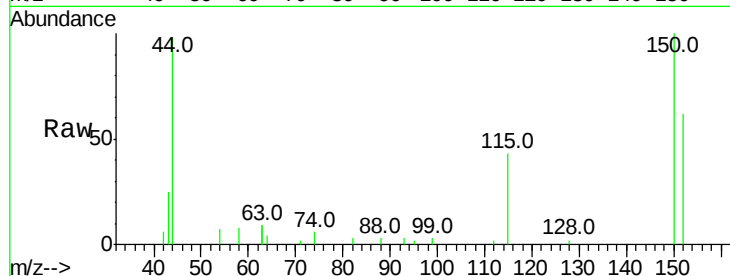
Tot Ion:152 Resp: 2056

Ion Ratio Lower Upper

152 100

150 162.6 117.2 175.8

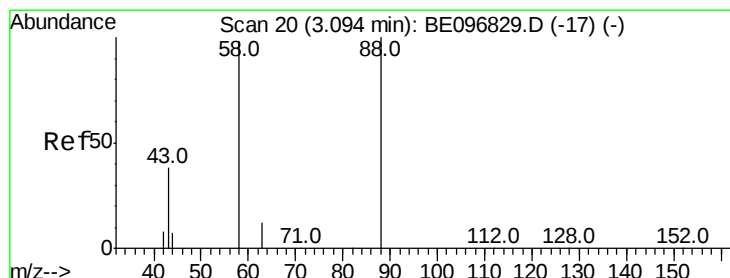
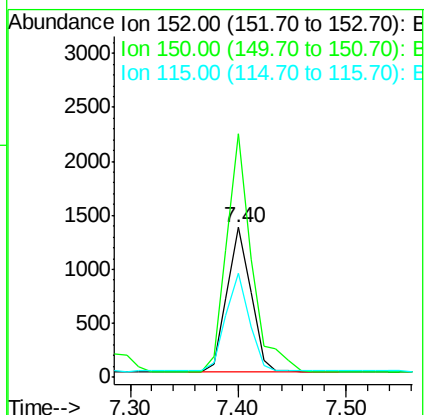
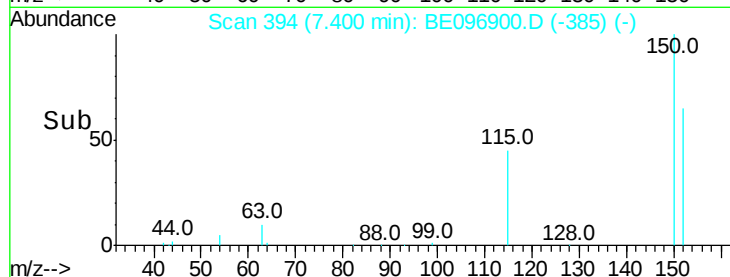
115 69.5 57.0 85.6



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: 0.357 ng

RT: 3.12 min Scan# 22

Delta R.T. 0.02 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

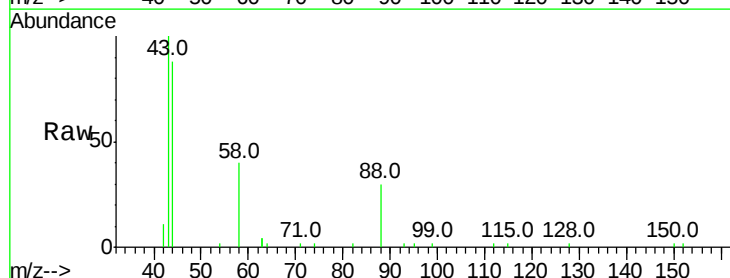
Tgt Ion: 88 Resp: 1099

Ion Ratio Lower Upper

88 100

58 90.0 63.2 94.8

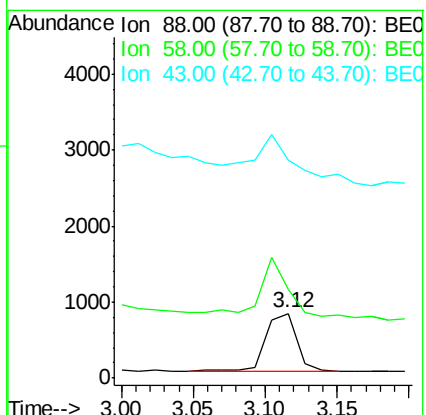
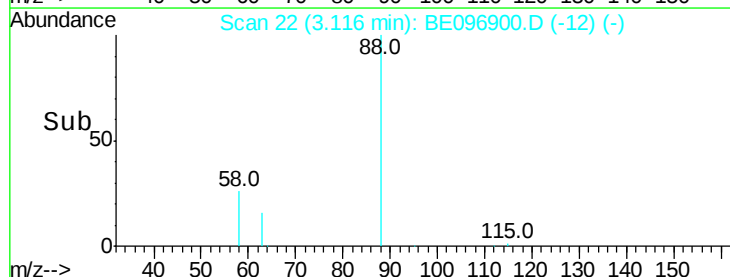
43 79.7 41.2 61.8



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: 0.432 ng

RT: 3.39 min Scan# 46

Delta R.T. 0.01 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

Instrument :

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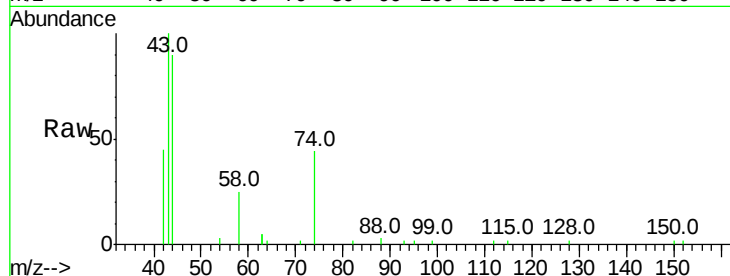
Tot Ion: 42 Resp: 1410

Ion Ratio Lower Upper

42 100

74 112.7 96.0 144.0

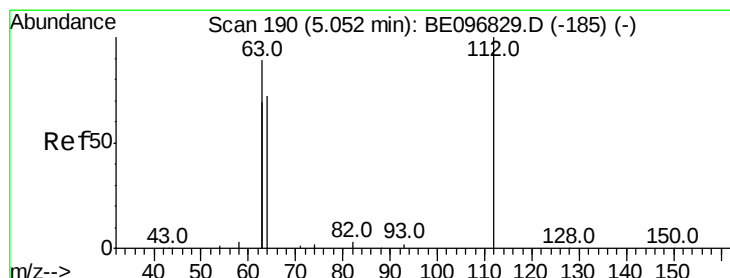
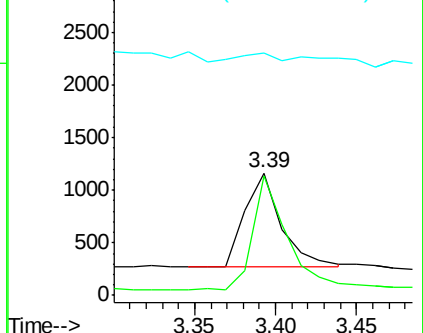
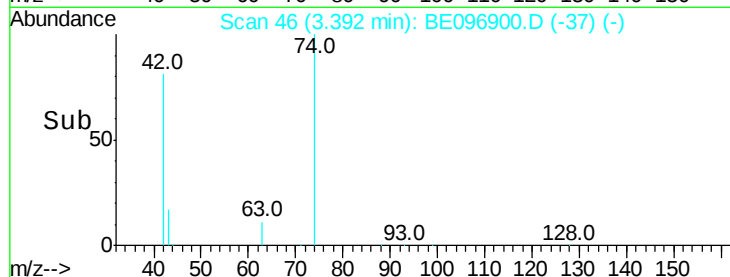
44 6.0 12.0 18.0#



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: 0.435 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

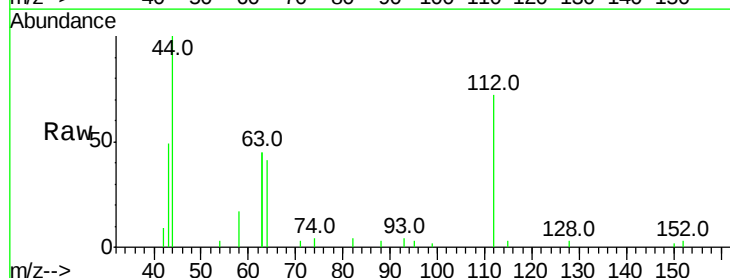
Tgt Ion: 112 Resp: 1997

Ion Ratio Lower Upper

112 100

64 67.3 60.1 90.1

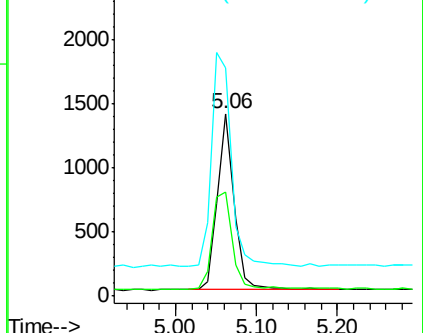
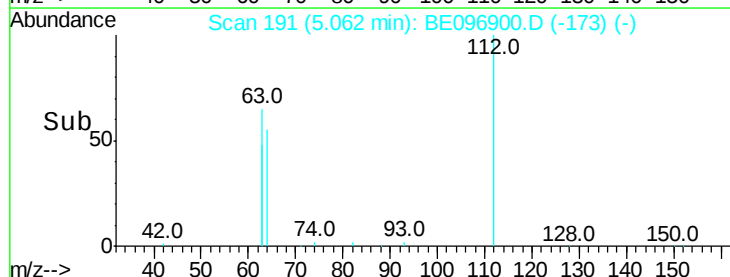
63 142.7 116.8 175.2

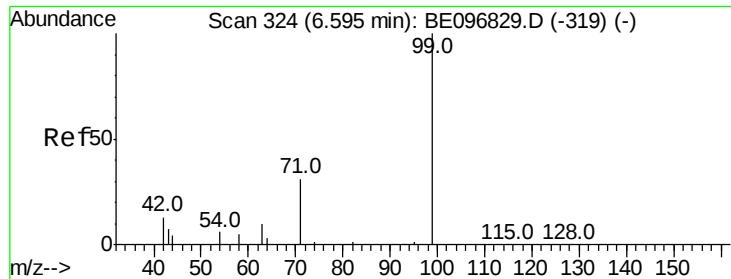


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.367 ng

RT: 6.59 min Scan# 324

Delta R.T. 0.01 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

Instrument :

BNA_E

ClientSampleId :

PB111075BS

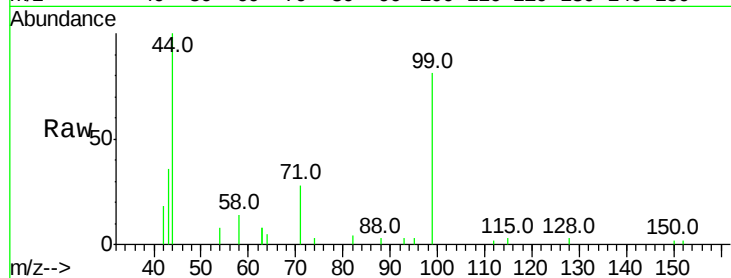
Tot Ion: 99 Resp: 2515

Ion Ratio Lower Upper

99 100

42 24.7 20.2 30.2

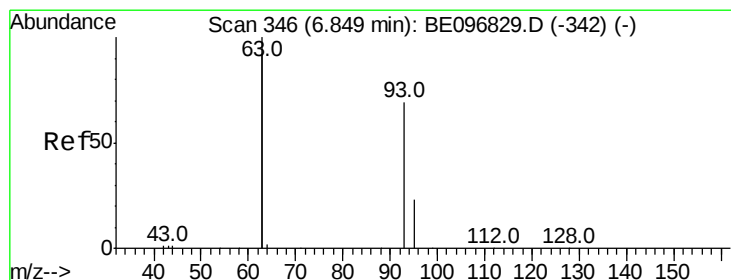
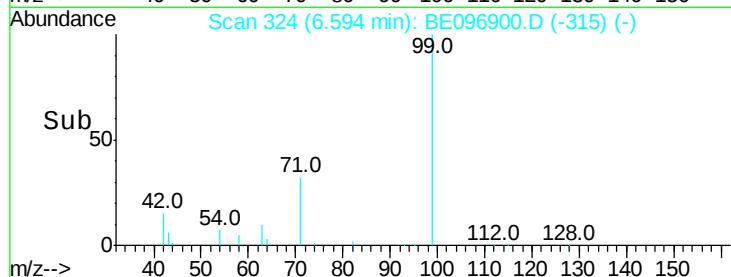
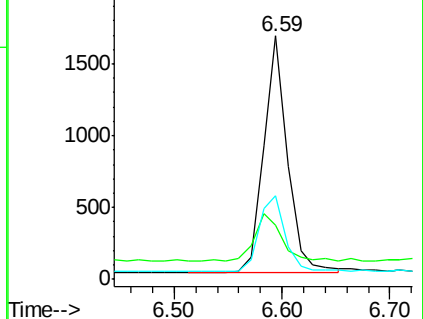
71 35.9 28.4 42.6



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: 0.359 ng

RT: 6.85 min Scan# 346

Delta R.T. 0.01 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

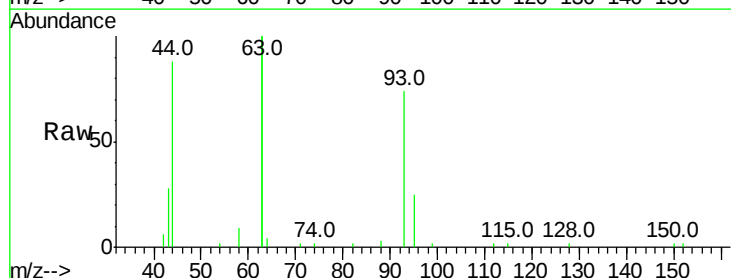
Tgt Ion: 93 Resp: 2702

Ion Ratio Lower Upper

93 100

63 338.3 275.3 412.9

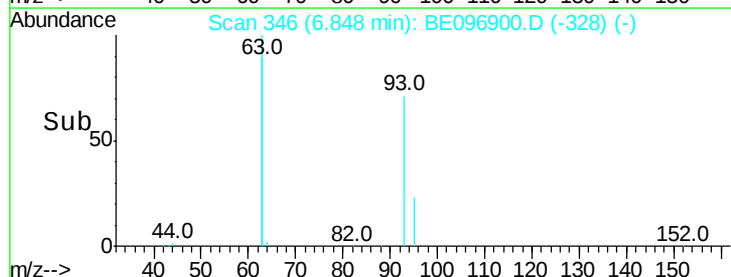
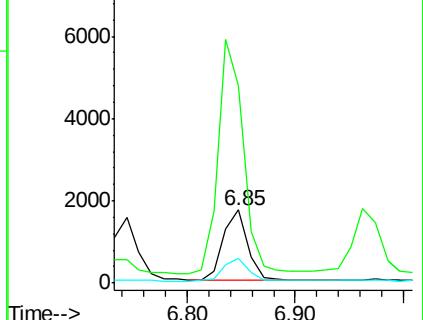
95 32.8 25.2 37.8

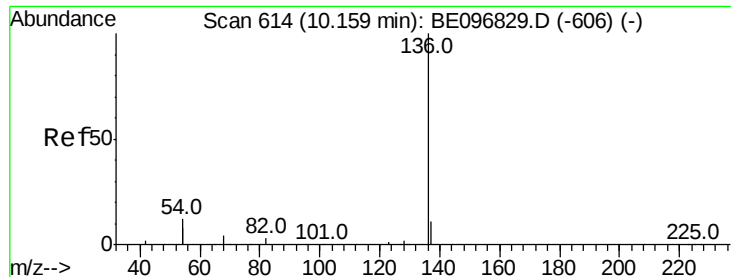


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.15 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

Instrument :

BNA_E

ClientSampleId :

PB111075BS

Tot Ion:136 Resp: 8695

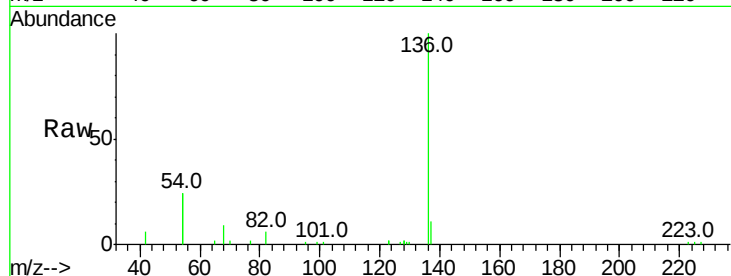
Ion Ratio Lower Upper

136 100

137 11.4 9.5 14.3

54 48.4 29.1 43.7#

68 9.0 6.2 9.2

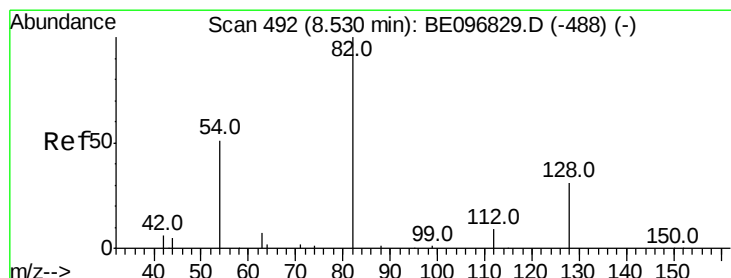
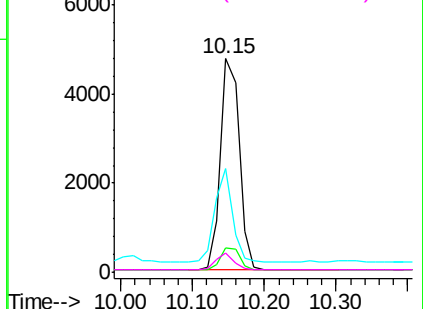
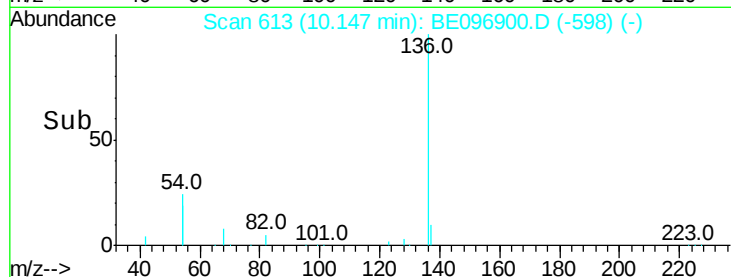


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.472 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

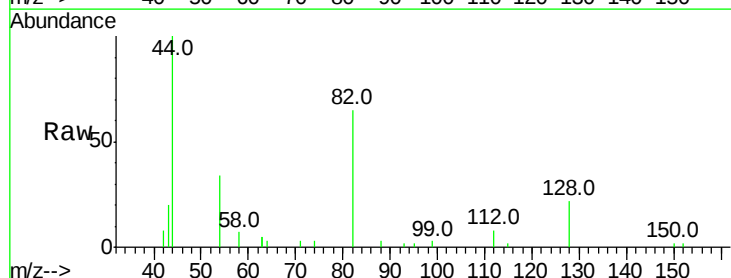
Tgt Ion: 82 Resp: 2486

Ion Ratio Lower Upper

82 100

128 33.7 24.0 36.0

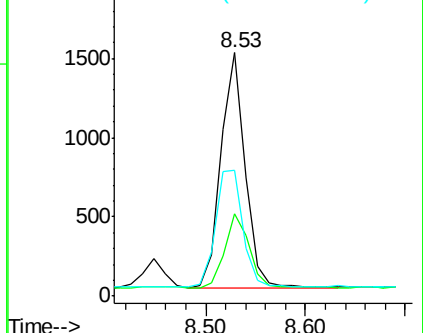
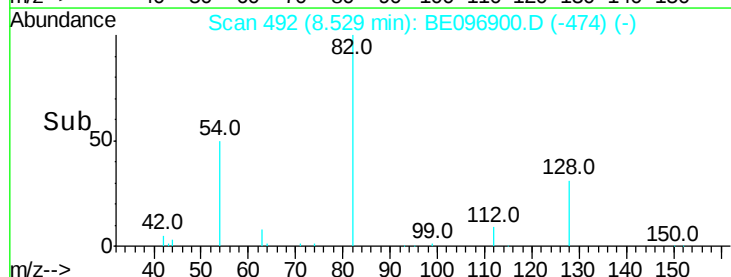
54 51.9 40.0 60.0

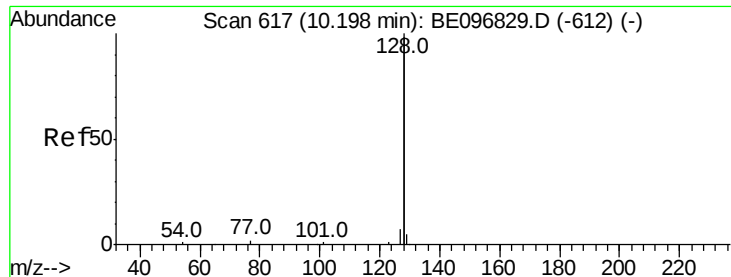


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.408 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.00 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

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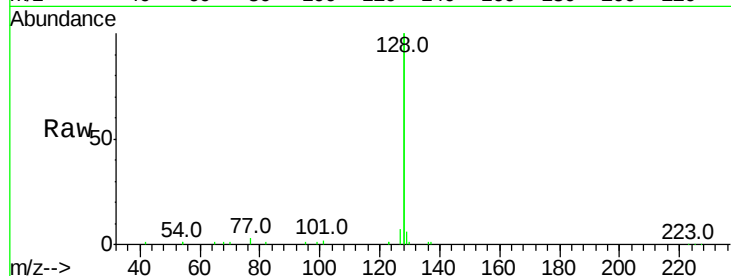
Tot Ion:128 Resp: 32218

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

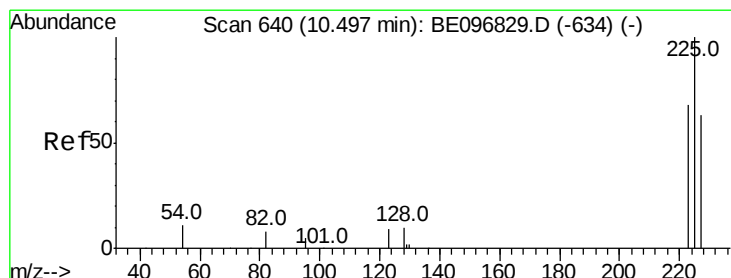
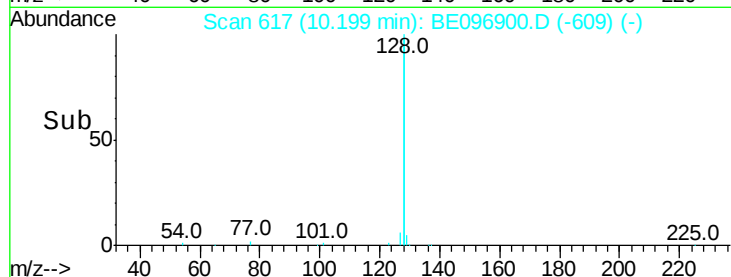
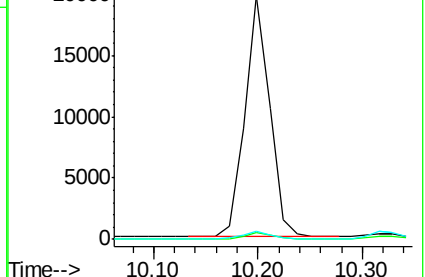
127 3.4 2.8 4.2



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: 0.384 ng

RT: 10.50 min Scan# 640

Delta R.T. 0.00 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

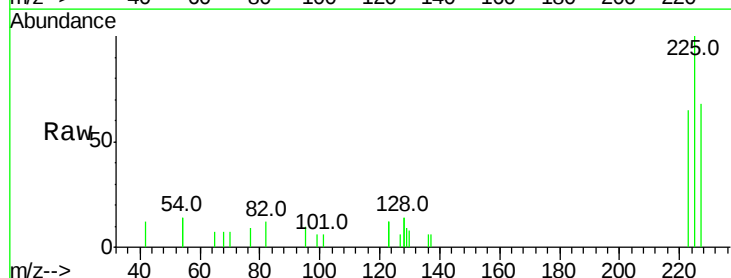
Tgt Ion:225 Resp: 1260

Ion Ratio Lower Upper

225 100

223 63.5 53.0 79.6

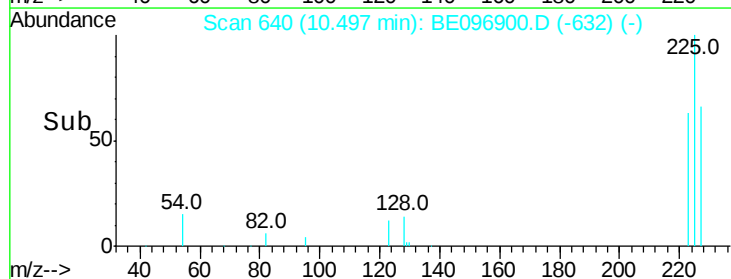
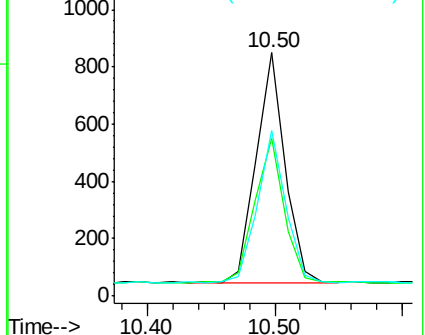
227 64.1 51.4 77.2

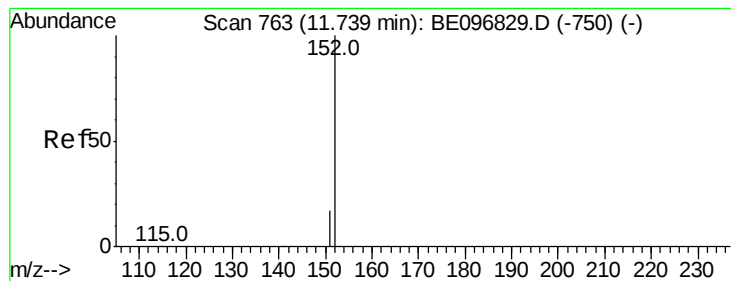


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.444 ng

RT: 11.73 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

Instrument :

BNA_E

ClientSampleId :

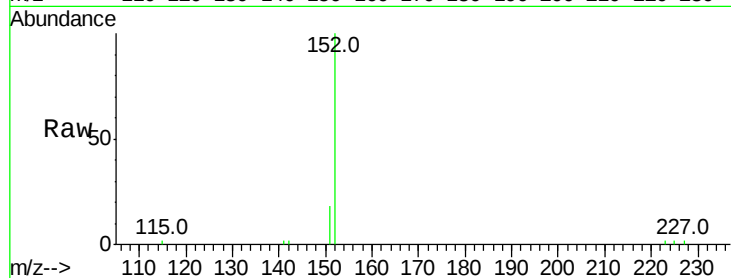
PB111075BS

Tot Ion:152 Resp: 5551

Ion Ratio Lower Upper

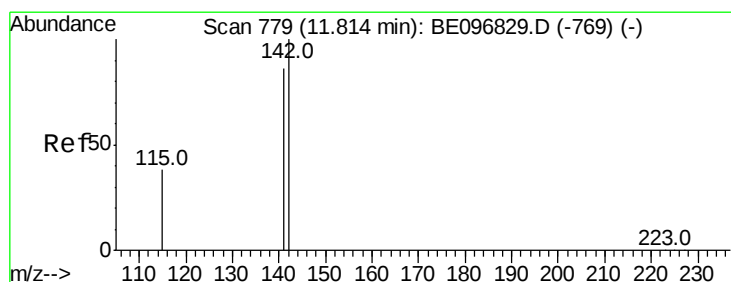
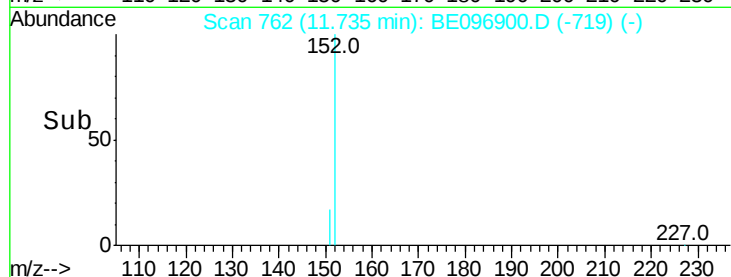
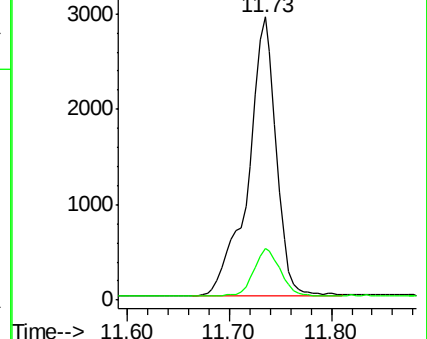
152 100

151 15.6 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.378 ng

RT: 11.81 min Scan# 778

Delta R.T. 0.00 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

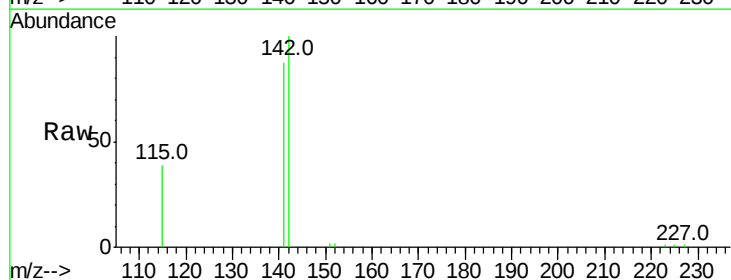
Tgt Ion:142 Resp: 4947

Ion Ratio Lower Upper

142 100

141 86.9 70.4 105.6

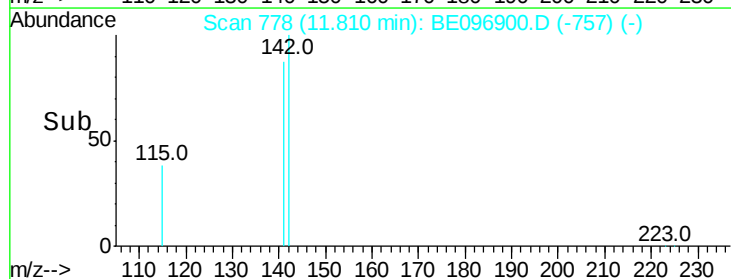
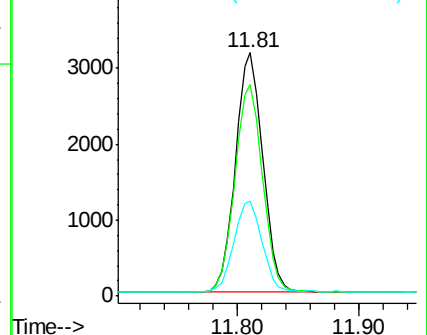
115 39.1 31.7 47.5

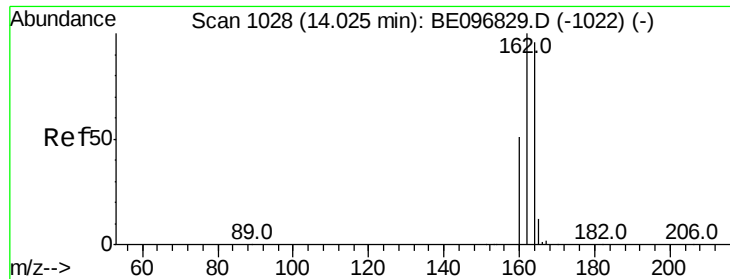


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

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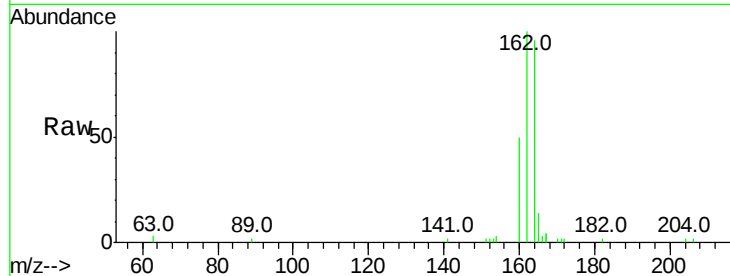
Tot Ion:164 Resp: 3561

Ion Ratio Lower Upper

164 100

162 103.8 83.1 124.7

160 51.6 37.1 55.7



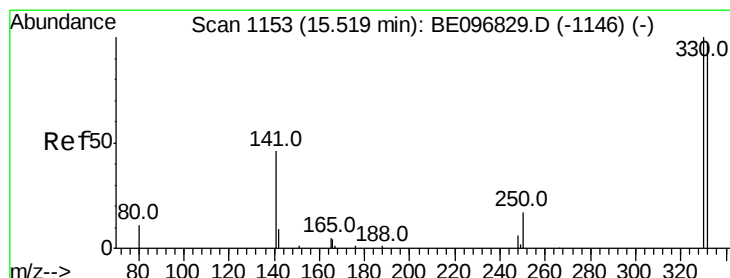
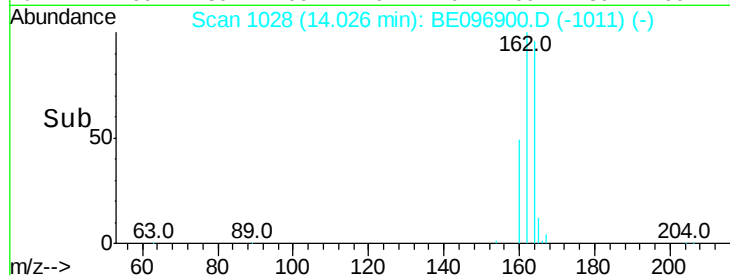
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.03

Time-->



#14

2,4,6-Tribromophenol

Concen: 0.337 ng

RT: 15.52 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

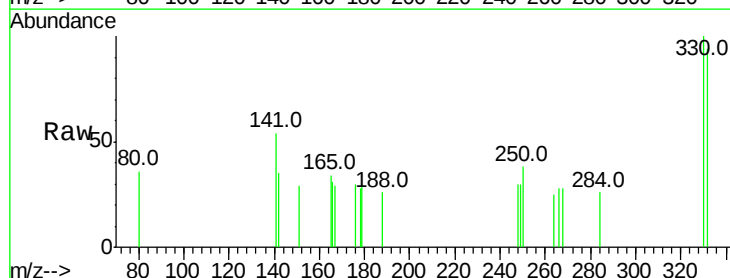
Tgt Ion:330 Resp: 215

Ion Ratio Lower Upper

330 100

332 102.3 152.7 229.1#

141 39.1 33.7 50.5



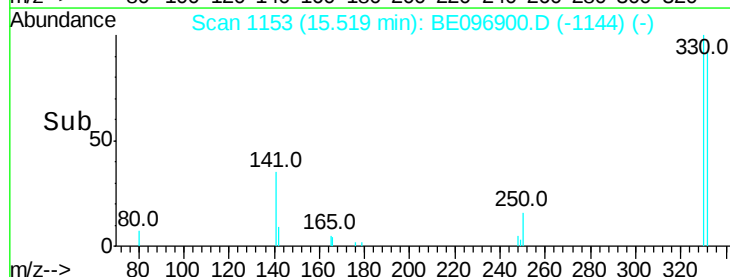
Abundance Ion 330.00 (329.70 to 330.70): E

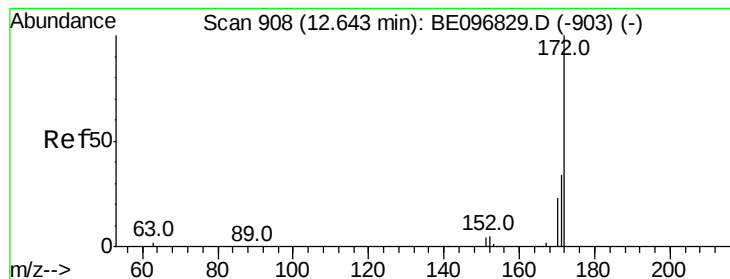
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

15.52

Time-->





#15

2-Fluorobiphenyl

Concen: 0.452 ng

RT: 12.64 min Scan# 908

Delta R.T. -0.00 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

Instrument :

BNA_E

ClientSampleId :

PB111075BS

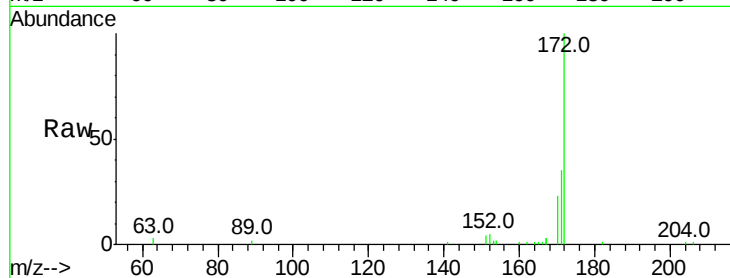
Tot Ion:172 Resp: 5894

Ion Ratio Lower Upper

172 100

171 35.1 29.9 44.9

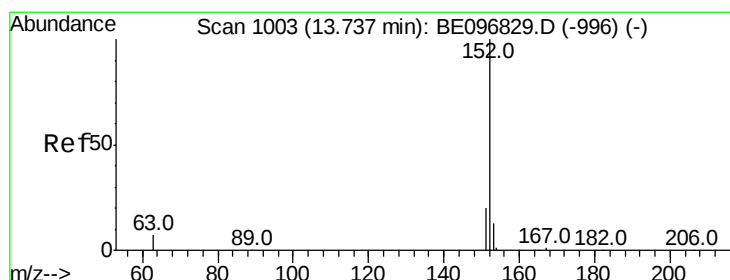
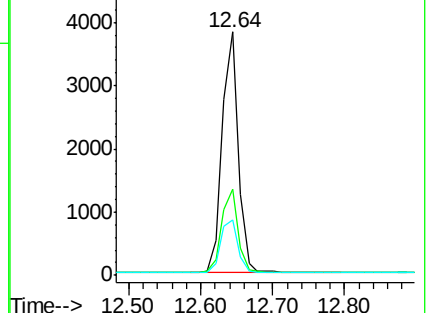
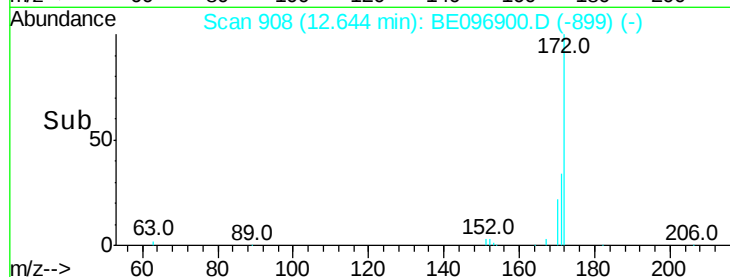
170 22.7 21.8 32.8



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: 0.399 ng

RT: 13.74 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

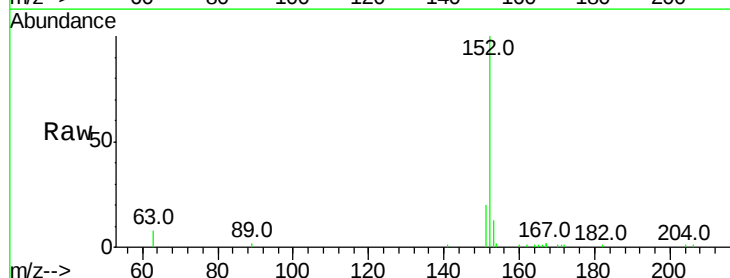
Tgt Ion:152 Resp: 6168

Ion Ratio Lower Upper

152 100

151 19.5 15.7 23.5

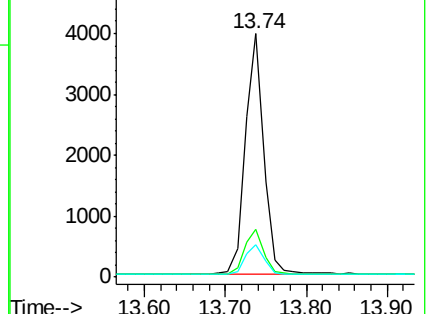
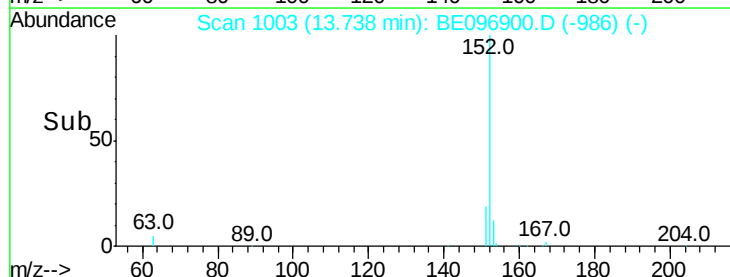
153 12.7 10.5 15.7

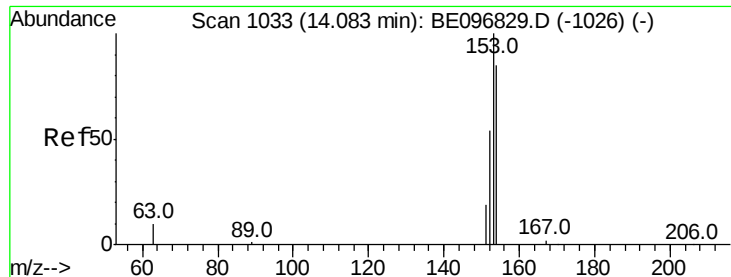


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

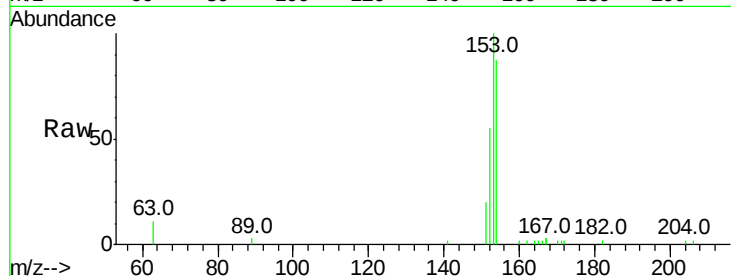




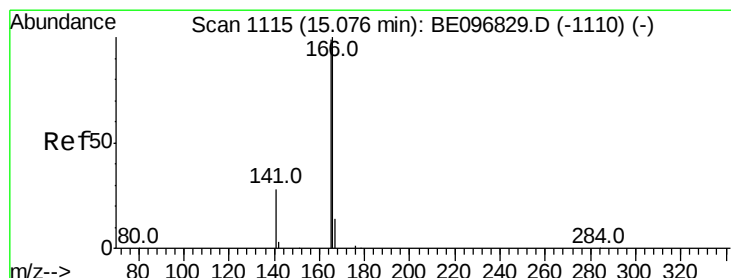
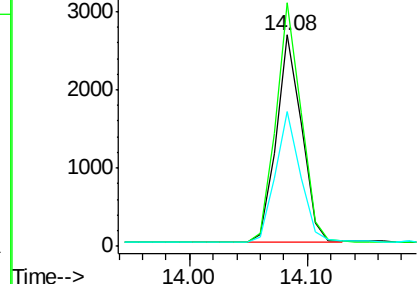
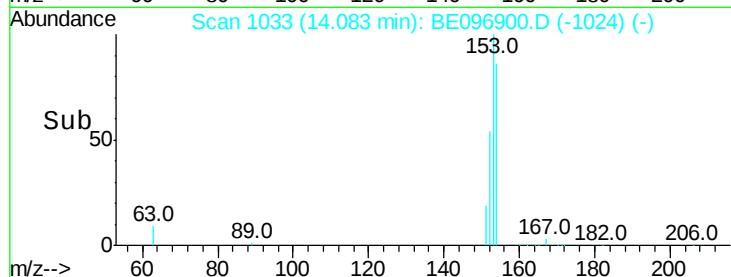
#17
Acenaphthene
Concen: 0.389 ng
RT: 14.08 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BE096900.D
Acq: 13 Jul 2018 11:05

Instrument :
BNA_E
ClientSampleId :
PB111075BS

Tot Ion:154 Resp: 3974
Ion Ratio Lower Upper
154 100
153 114.2 89.2 133.8
152 62.3 42.0 63.0

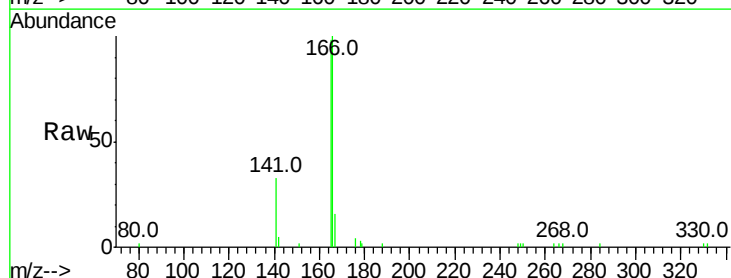


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

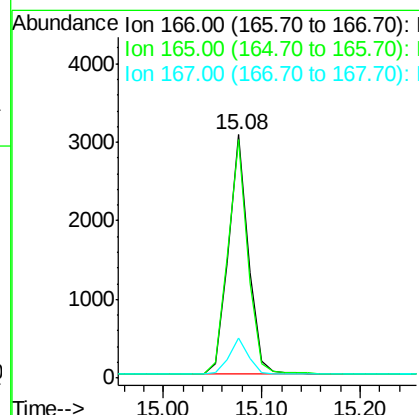
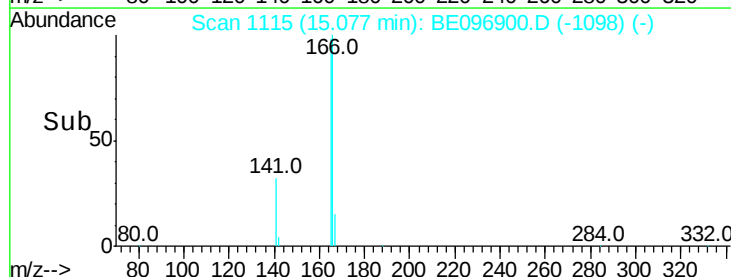


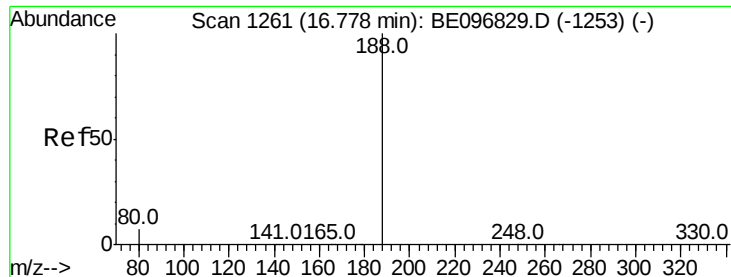
#18
Fluorene
Concen: 0.357 ng
RT: 15.08 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE096900.D
Acq: 13 Jul 2018 11:05

Tgt Ion:166 Resp: 4285
Ion Ratio Lower Upper
166 100
165 97.6 77.8 116.6
167 14.6 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: 16.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

Instrument :

BNA_E

ClientSampleId :

PB111075BS

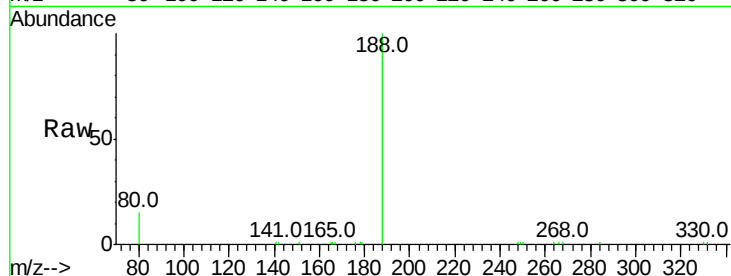
Tot Ion:188 Resp: 8208

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

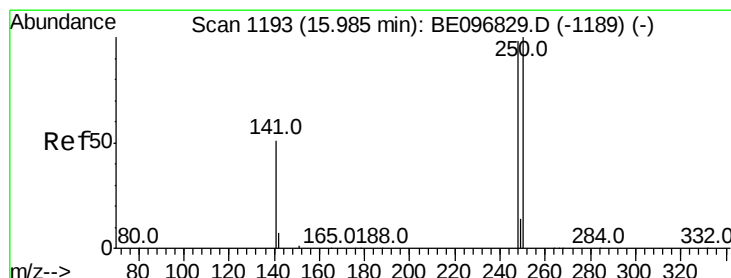
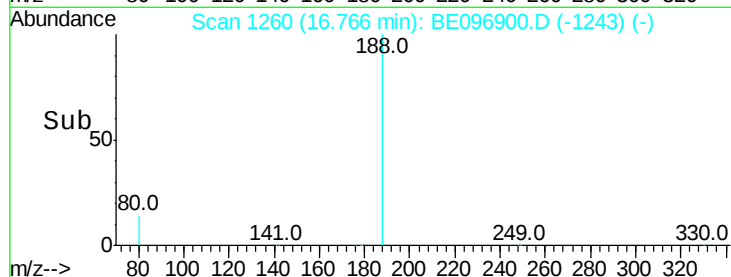
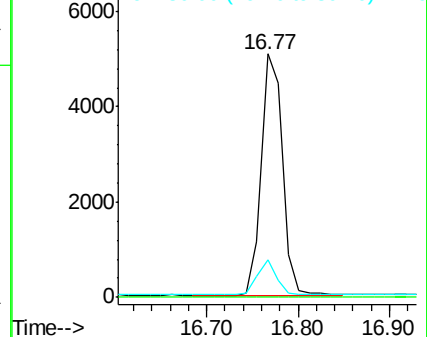
80 15.2 3.6 5.4#



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: 0.377 ng

RT: 15.99 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

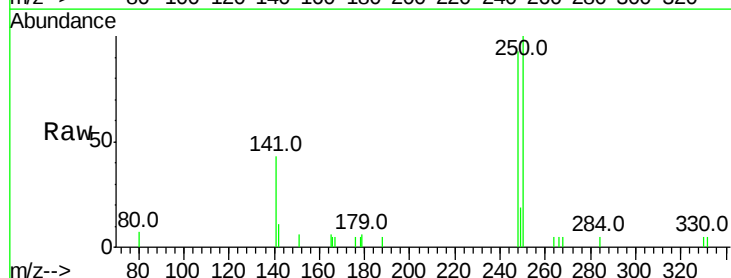
Tgt Ion:248 Resp: 1396

Ion Ratio Lower Upper

248 100

250 107.6 62.7 94.1#

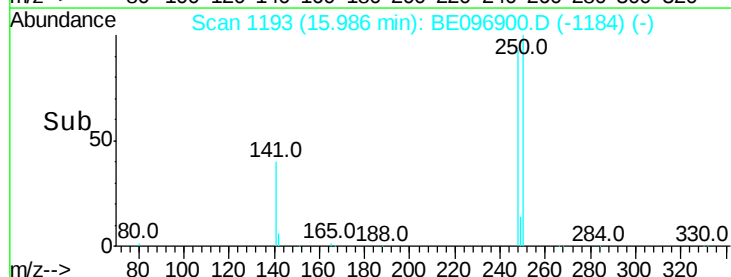
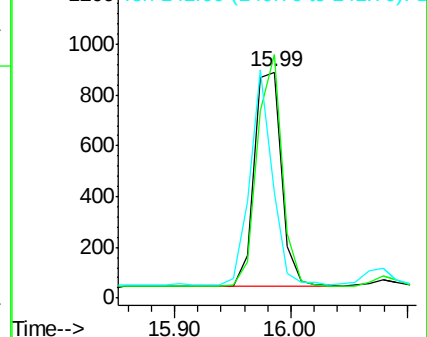
141 46.6 48.2 72.2#

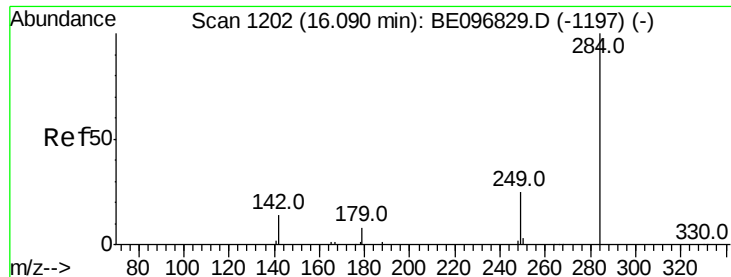


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.379 ng

RT: 16.08 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

Instrument :

BNA_E

ClientSampleId :

PB111075BS

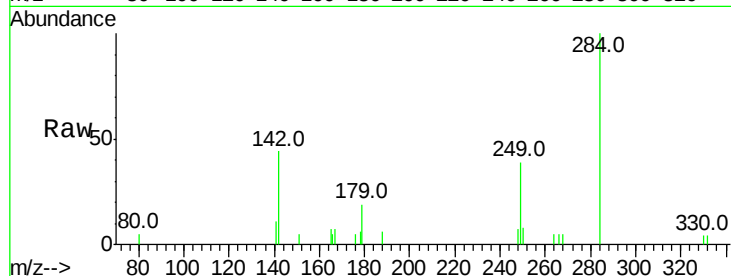
Tot Ion:284 Resp: 1598

Ion Ratio Lower Upper

284 100

142 39.4 22.1 33.1#

249 31.5 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

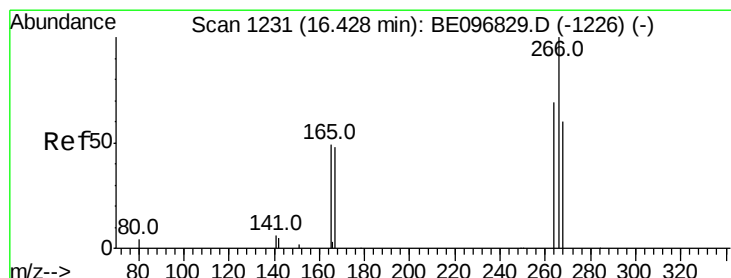
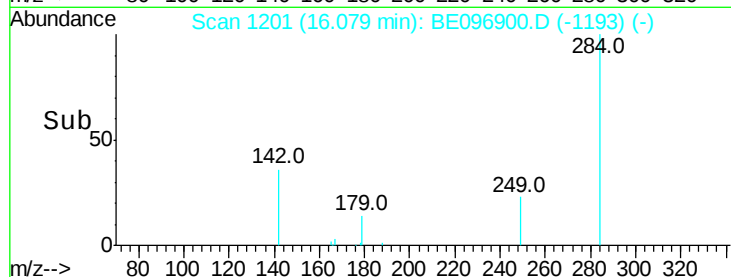
16.08

1000

500

0

Time-->



#22

Pentachlorophenol

Concen: 0.680 ng

RT: 16.43 min Scan# 1231

Delta R.T. 0.00 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

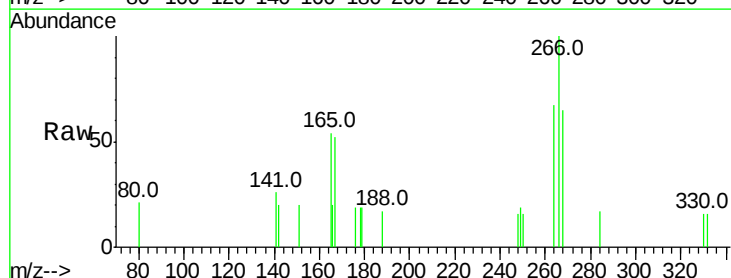
Tgt Ion:266 Resp: 481

Ion Ratio Lower Upper

266 100

264 67.4 72.5 108.7#

268 64.9 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

16.43

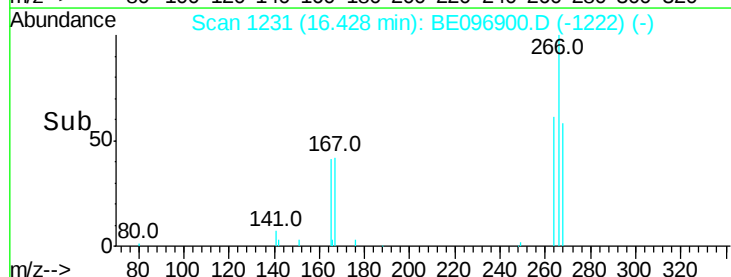
300

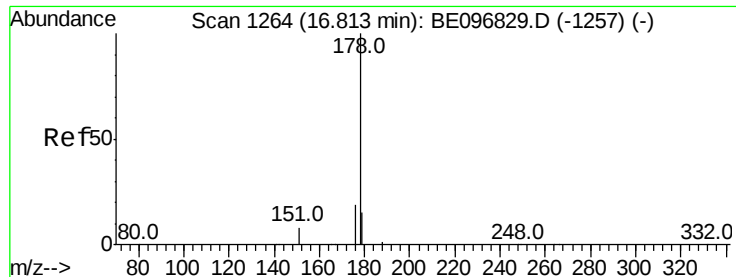
200

100

0

Time-->





#23

Phenanthrene

Concen: 0.404 ng

RT: 16.81 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

Instrument :

BNA_E

ClientSampleId :

PB111075BS

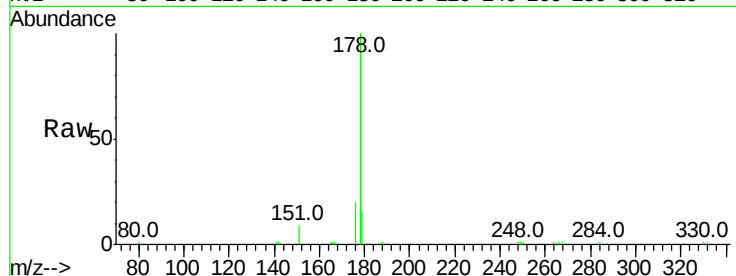
Tot Ion:178 Resp: 8156

Ion Ratio Lower Upper

178 100

176 19.7 15.1 22.7

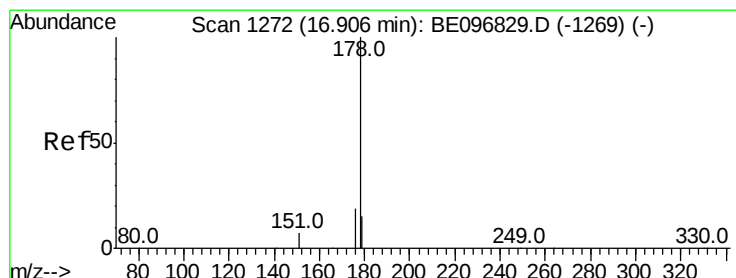
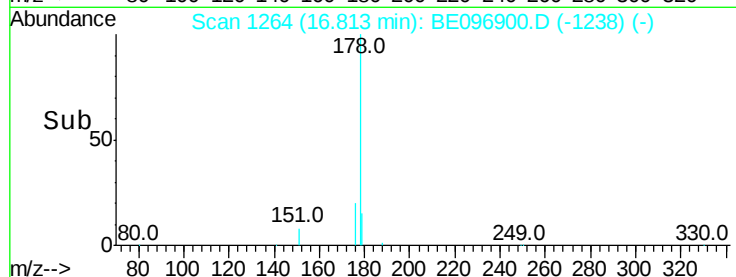
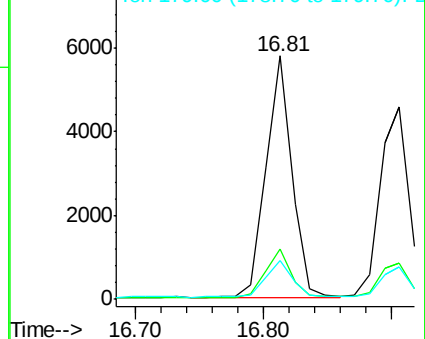
179 15.4 11.8 17.6



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: 0.427 ng

RT: 16.91 min Scan# 1272

Delta R.T. 0.00 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

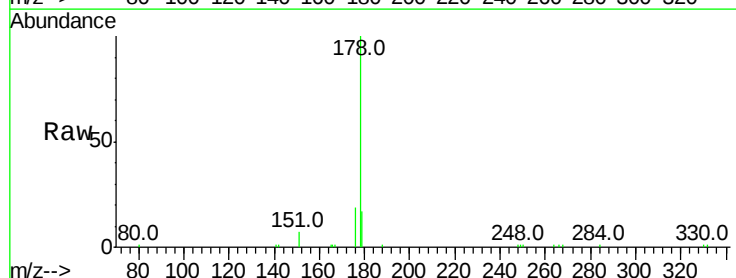
Tgt Ion:178 Resp: 7134

Ion Ratio Lower Upper

178 100

176 18.3 12.8 19.2

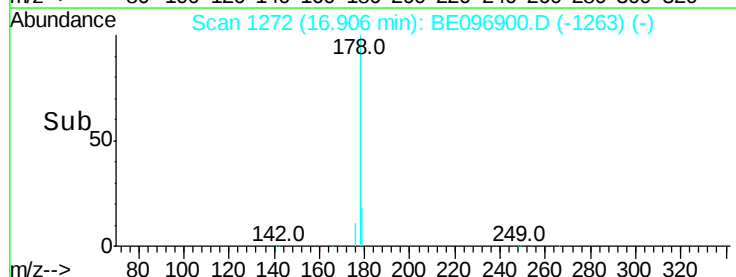
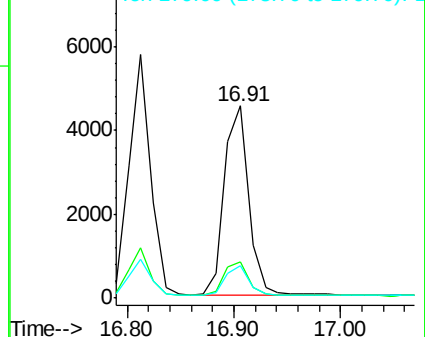
179 15.8 13.0 19.6

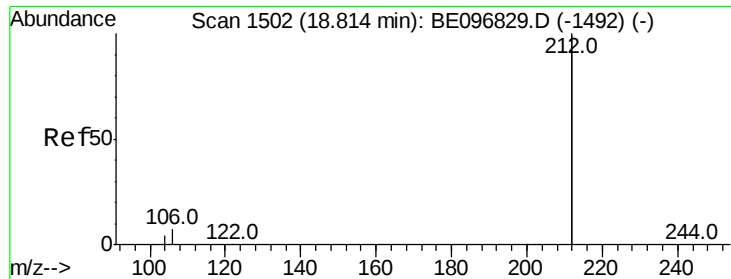


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.449 ng

RT: 18.81 min Scan# 1502

Delta R.T. 0.00 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

Instrument :

BNA_E

ClientSampleId :

PB111075BS

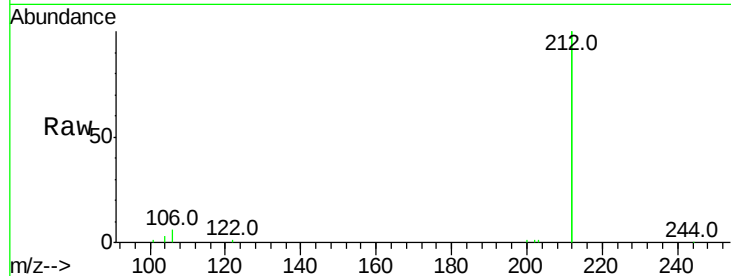
Tot Ion:212 Resp: 32427

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

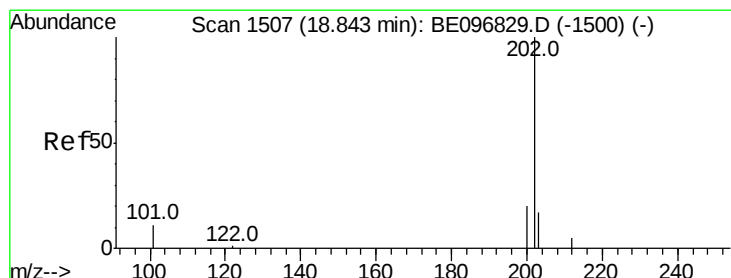
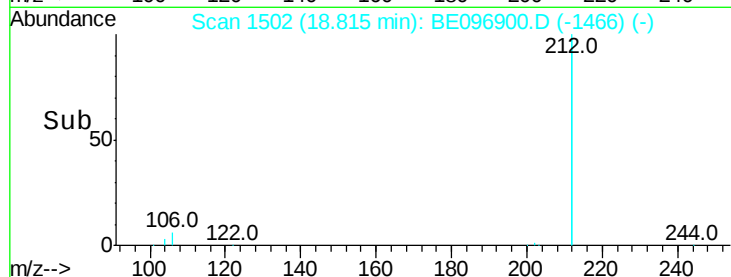
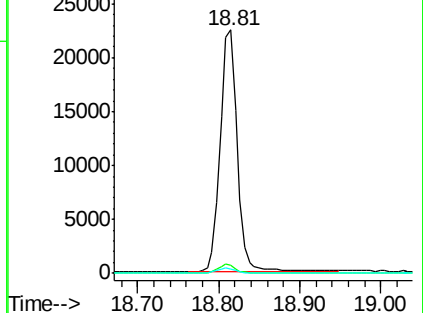
104 1.9 1.6 2.4



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: 0.480 ng

RT: 18.84 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

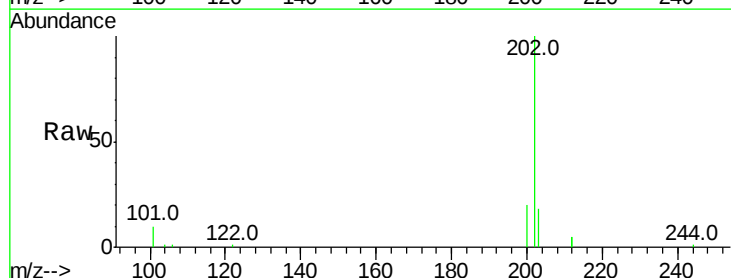
Tgt Ion:202 Resp: 9792

Ion Ratio Lower Upper

202 100

101 10.8 9.8 14.8

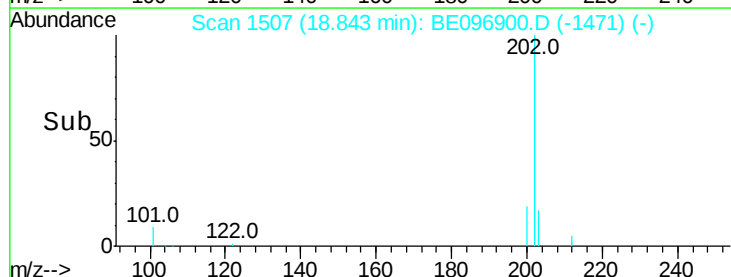
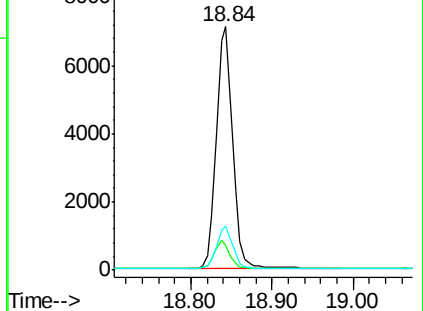
203 16.9 13.7 20.5



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# 1786

Delta R.T. 0.00 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

Instrument :

BNA_E

ClientSampleId :

PB111075BS

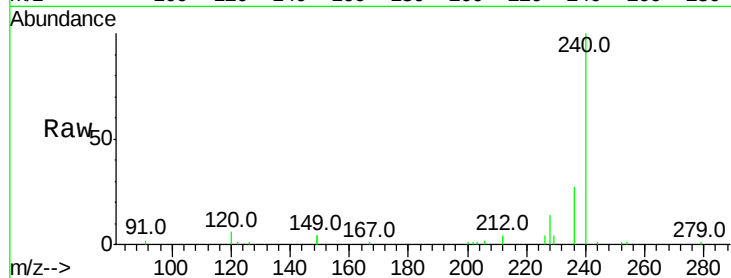
Tot Ion:240 Resp: 8670

Ion Ratio Lower Upper

240 100

120 6.4 5.5 8.3

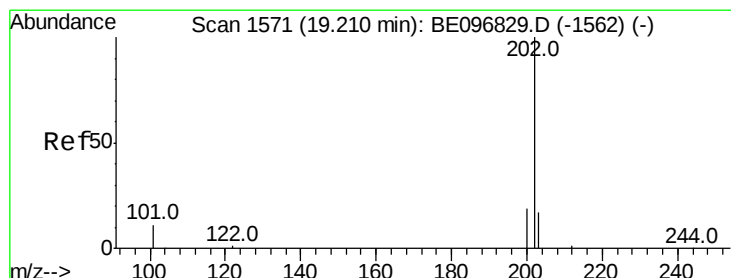
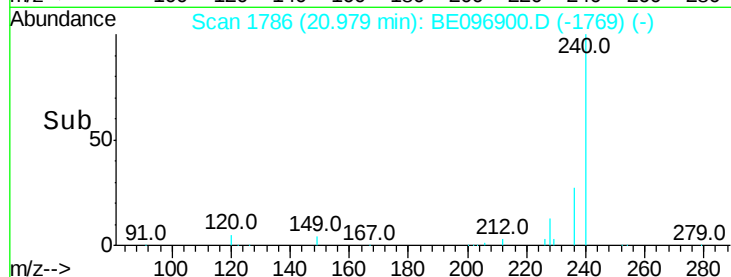
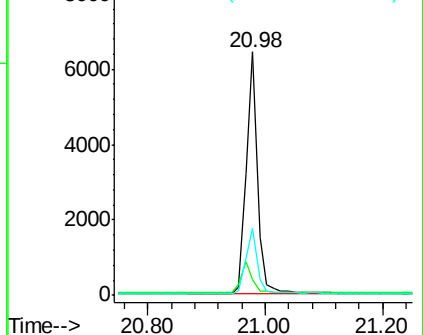
236 27.3 20.7 31.1



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: 0.378 ng

RT: 19.21 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

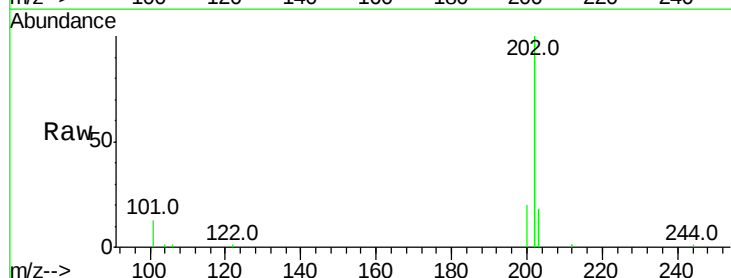
Tgt Ion:202 Resp: 9490

Ion Ratio Lower Upper

202 100

200 20.1 16.6 25.0

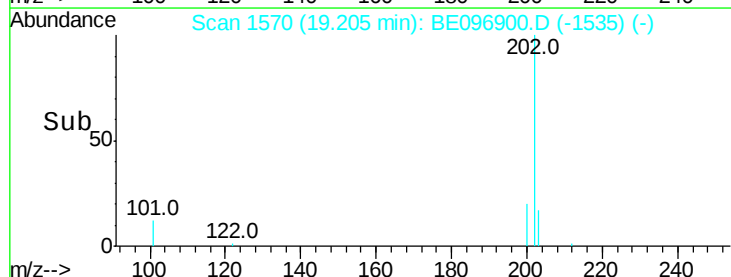
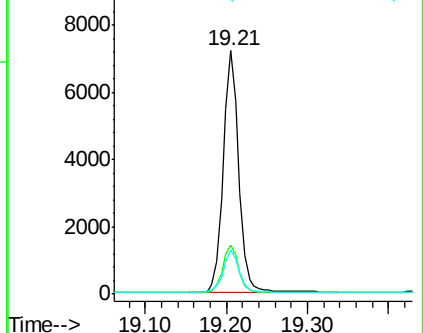
203 17.6 13.8 20.8

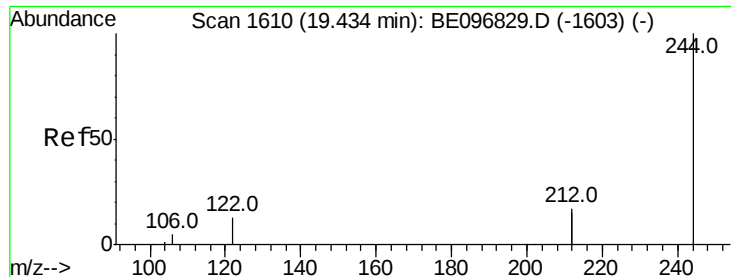


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.488 ng

RT: 19.44 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

Instrument :

BNA_E

ClientSampleId :

PB111075BS

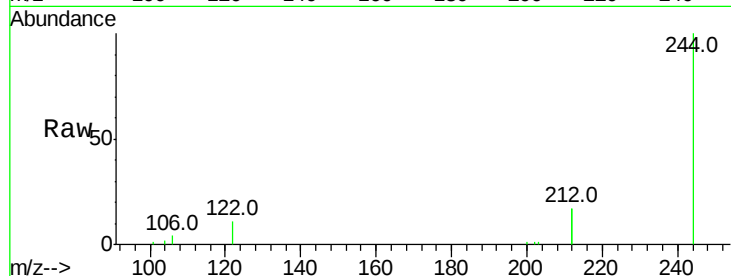
Tot Ion:244 Resp: 8173

Ion Ratio Lower Upper

244 100

212 33.3 25.4 38.0

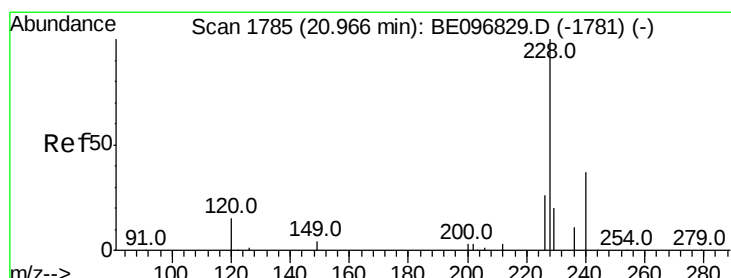
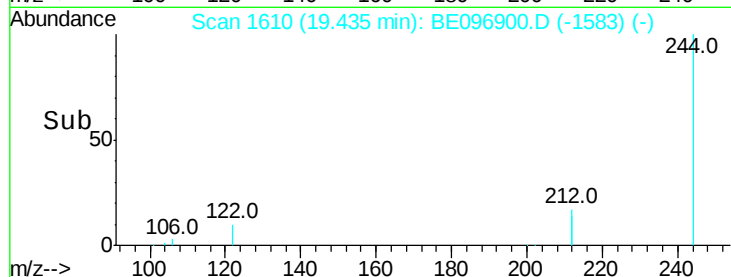
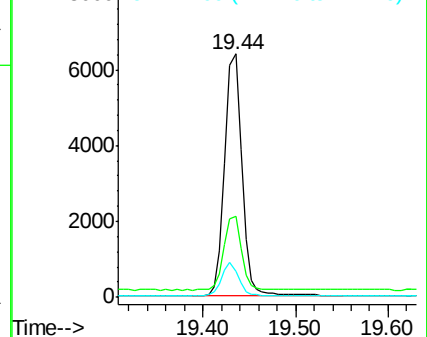
122 10.7 8.1 12.1



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: 0.444 ng

RT: 20.95 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

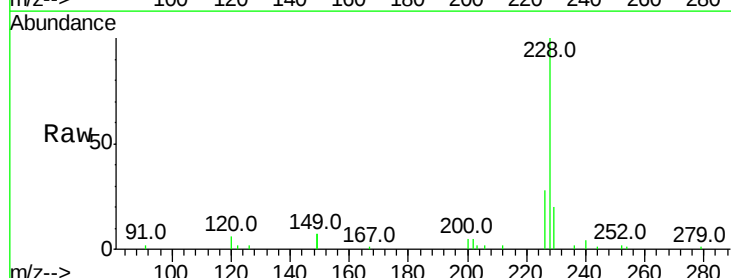
Tgt Ion:228 Resp: 8535

Ion Ratio Lower Upper

228 100

226 28.2 24.0 36.0

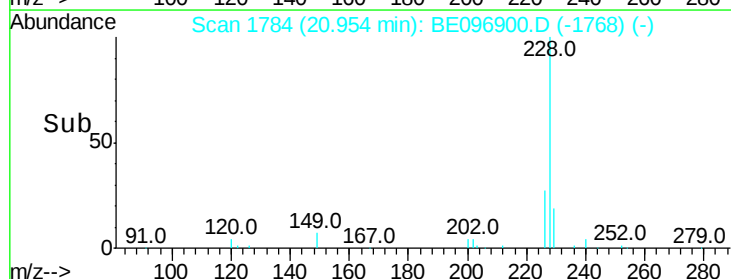
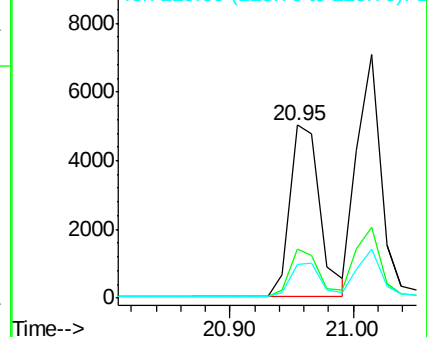
229 19.8 16.0 24.0

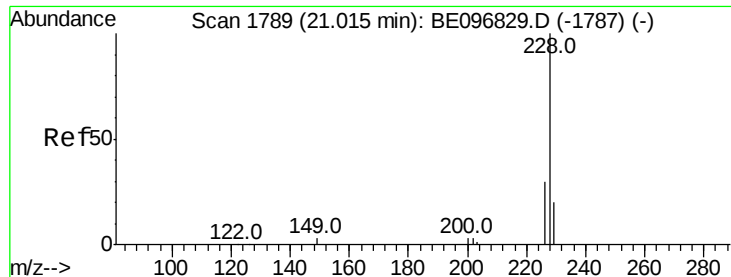


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.401 ng

RT: 21.01 min Scan# 1789

Delta R.T. 0.00 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

Instrument :

BNA_E

ClientSampleId :

PB111075BS

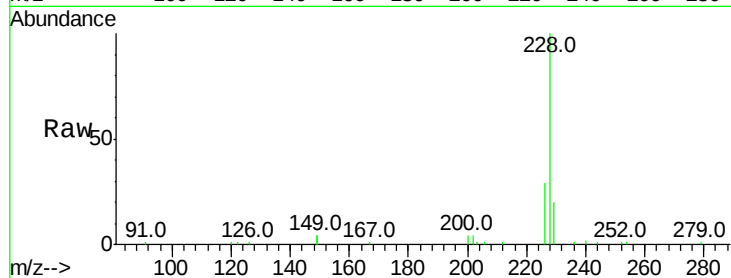
Tot Ion:228 Resp: 9506

Ion Ratio Lower Upper

228 100

226 29.2 24.0 36.0

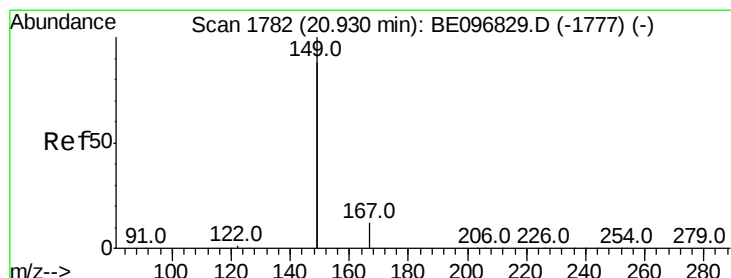
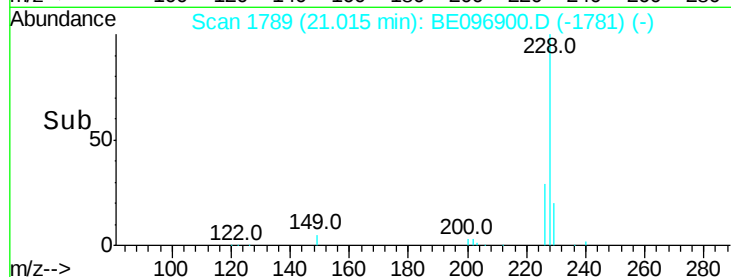
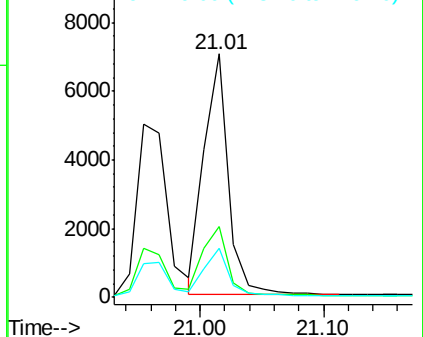
229 20.2 16.0 24.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.412 ng

RT: 20.93 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

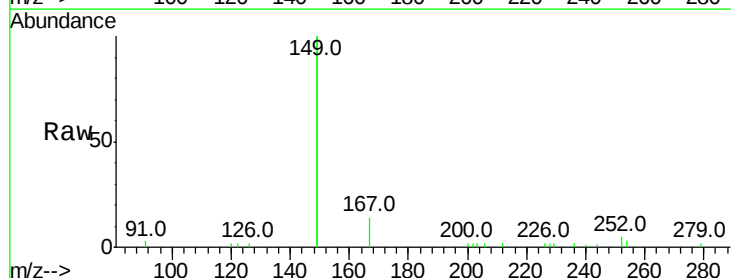
Tgt Ion:149 Resp: 7091

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

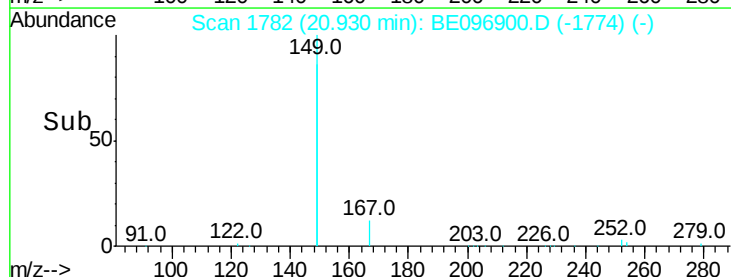
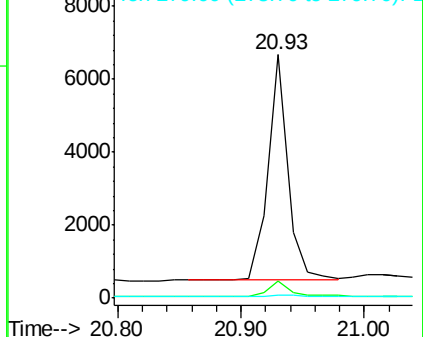
279 0.9 0.7 1.1



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

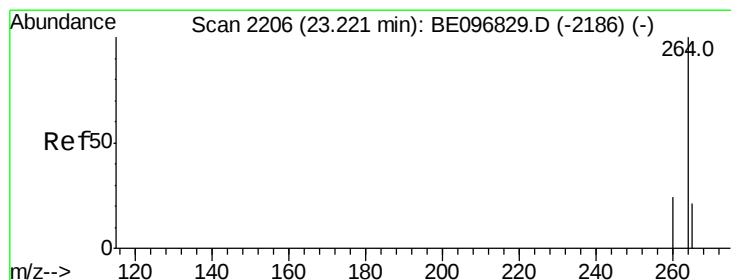
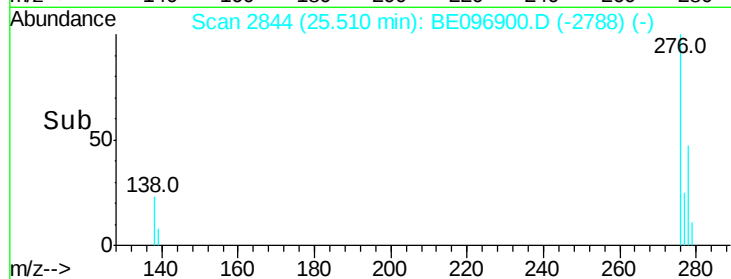
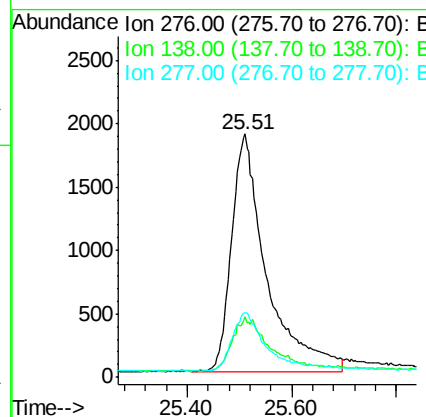
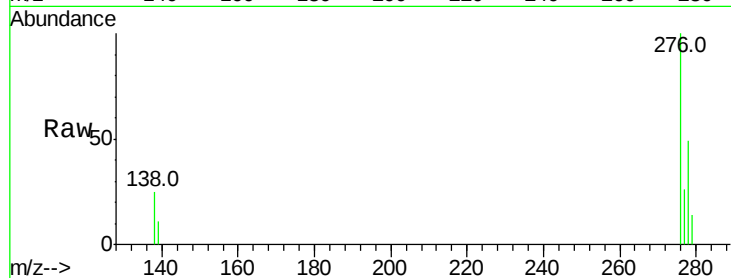




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.492 ng
 RT: 25.51 min Scan# 2844
 Delta R.T. -0.00 min
 Lab File: BE096900.D
 Acq: 13 Jul 2018 11:05

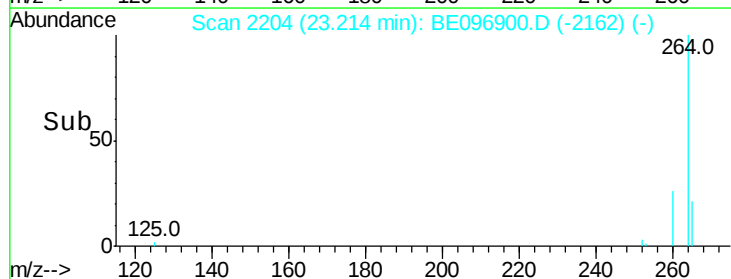
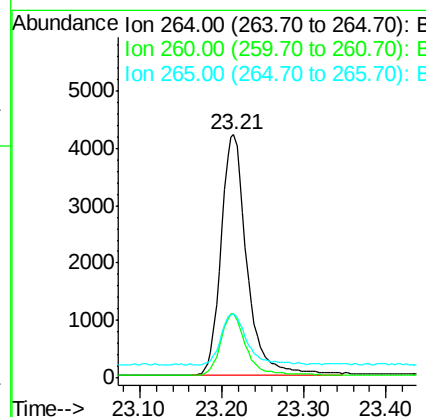
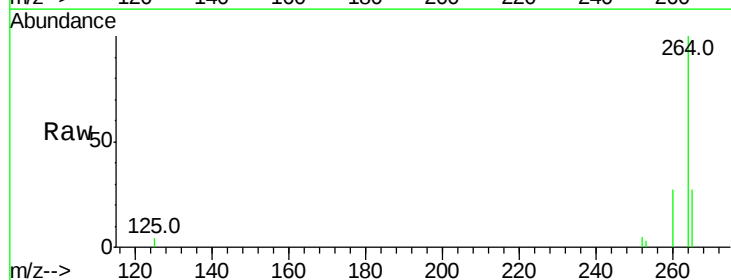
Instrument :
 BNA_E
 ClientSampleId :
 PB111075BS

Tot Ion:276 Resp: 8675
 Ion Ratio Lower Upper
 276 100
 138 11.2 22.5 33.7#
 277 22.3 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: BE096900.D
 Acq: 13 Jul 2018 11:05

Tgt Ion:264 Resp: 9196
 Ion Ratio Lower Upper
 264 100
 260 26.6 20.5 30.7
 265 26.5 22.8 34.2





#35

Benzo(b)fluoranthene

Concen: 0.345 ng

RT: 22.54 min Scan# 2014

Delta R.T. -0.00 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

Instrument :

BNA_E

ClientSampleId :

PB111075BS

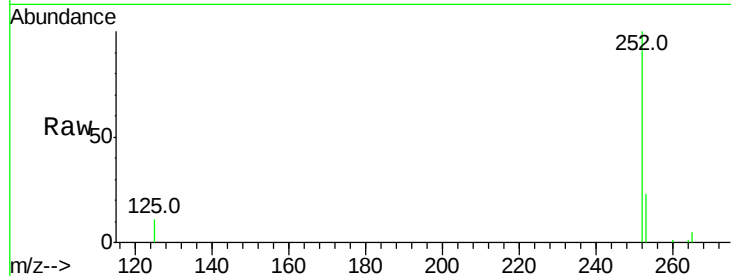
Tot Ion:252 Resp: 8657

Ion Ratio Lower Upper

252 100

253 22.5 20.0 30.0

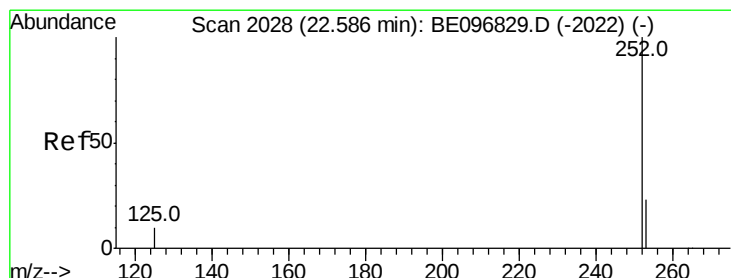
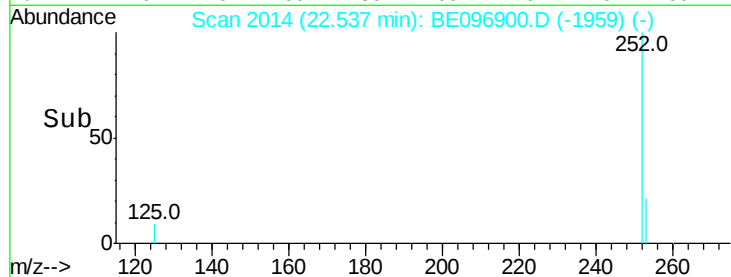
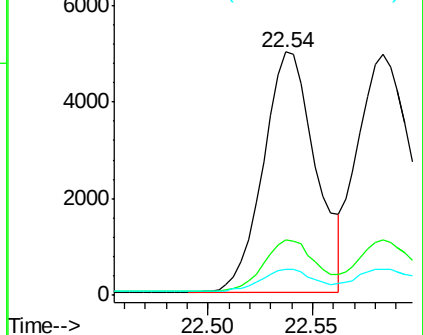
125 10.7 16.0 24.0#



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: 0.353 ng

RT: 22.58 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

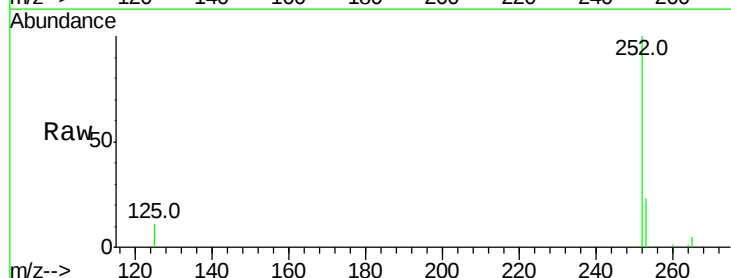
Tgt Ion:252 Resp: 9495

Ion Ratio Lower Upper

252 100

253 22.9 16.0 24.0

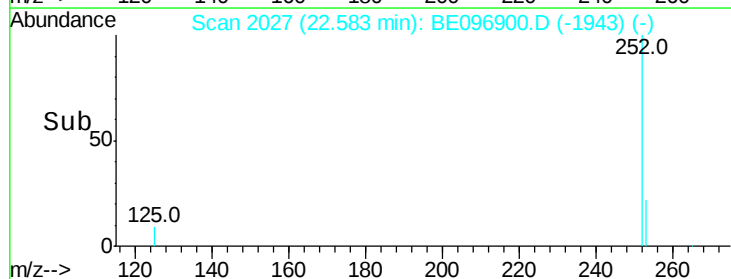
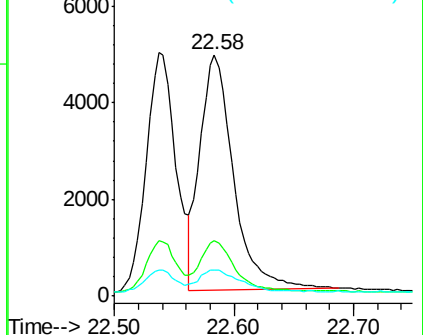
125 10.7 8.0 12.0



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: 0.373 ng

RT: 23.11 min Scan# 2176

Delta R.T. 0.00 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

Instrument :

BNA_E

ClientSampleId :

PB111075BS

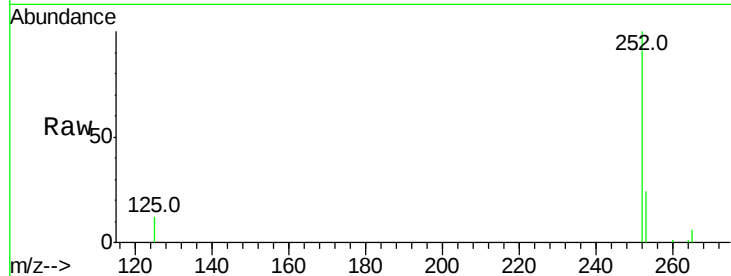
Tot Ion:252 Resp: 7424

Ion Ratio Lower Upper

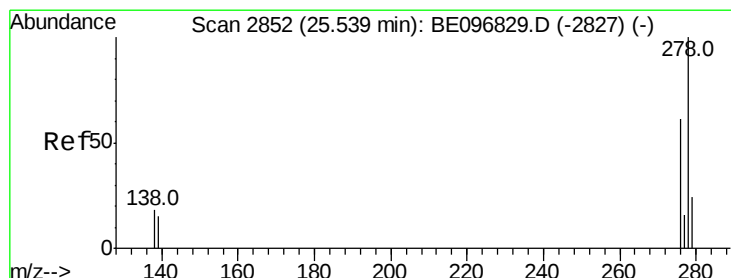
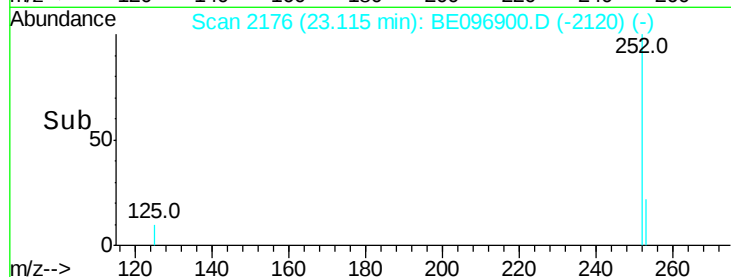
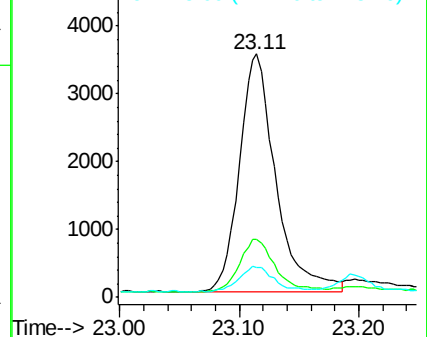
252 100

253 24.0 16.0 24.0

125 12.1 12.0 18.0



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



#38

Dibenzo(a,h)anthracene

Concen: 0.371 ng

RT: 25.54 min Scan# 2851

Delta R.T. 0.01 min

Lab File: BE096900.D

Acq: 13 Jul 2018 11:05

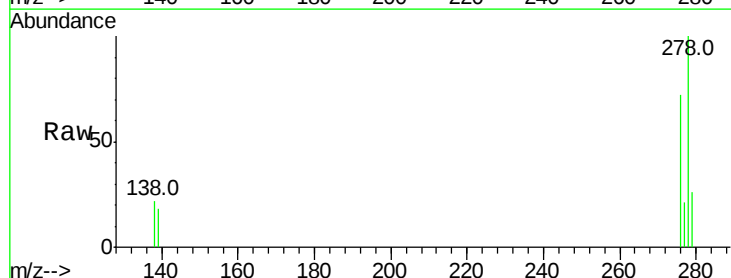
Tgt Ion:278 Resp: 7044

Ion Ratio Lower Upper

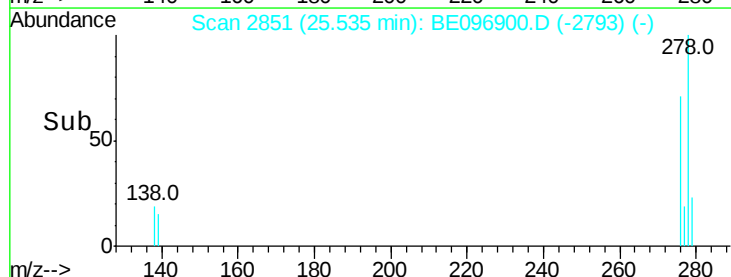
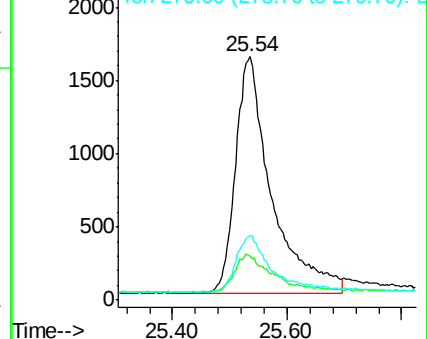
278 100

139 18.1 16.0 24.0

279 26.3 20.0 30.0



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





#39

Benzo(a,h,i)perylene

Concen: 0.351 ng

RT: 26.20 min Scan# 3038

Delta R.T. -0.00 min

Lab File: BE096900.D

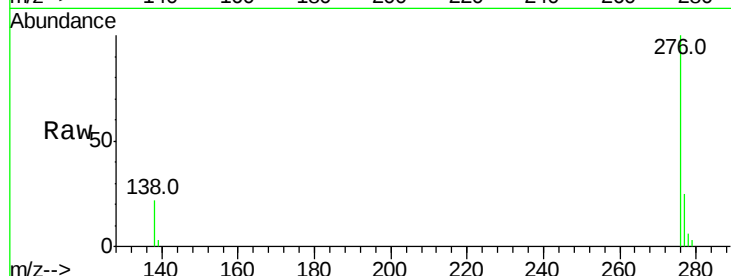
Acq: 13 Jul 2018 11:05

Instrument :

BNA_E

ClientSampleId :

PB111075BS



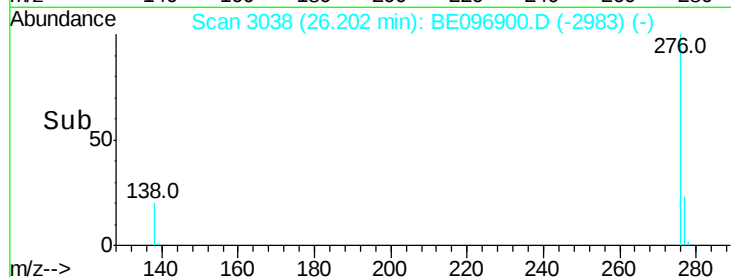
Tot Ion:276 Resp: 7816

Ion Ratio Lower Upper

276 100

277 24.7 16.0 24.0#

138 22.2 20.0 30.0



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

