

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE043018\
 Data File : BE096223.D
 Acq On : 30 Apr 2018 15:57
 Operator : SJ/JU
 Sample : J2463-11MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LF001MW001-180418MS

Quant Time: May 01 02:28:04 2018
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE041118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 30 14:27:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	850	0.40	ng	0.00
7) Naphthalene-d8	11.20	136	2814	0.40	ng	0.01
13) Acenaphthene-d10	14.93	164	8919	0.40	ng	-0.01
19) Phenanthrene-d10	17.65	188	3452	0.40	ng	0.00
27) Chrysene-d12	21.75	240	3920	0.40	ng	0.01
34) Perylene-d12	24.35	264	3866	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.88	112	656	0.25	ng	0.01
5) Phenol-d6	7.53	99	859	0.24	ng	0.02
8) Nitrobenzene-d5	9.54	82	2819	0.85	ng	0.00
11) 2-Methylnaphthalene-d10	12.74	152	1817	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.41	330	336	0.08	ng	0.00
15) 2-Fluorobiphenyl	13.59	172	2573	0.07	ng	0.01
25) Fluoranthene-d10	19.64	212	17922	0.38	ng	0.00
29) Terphenyl-d14	20.19	244	2660	0.31	ng	0.00

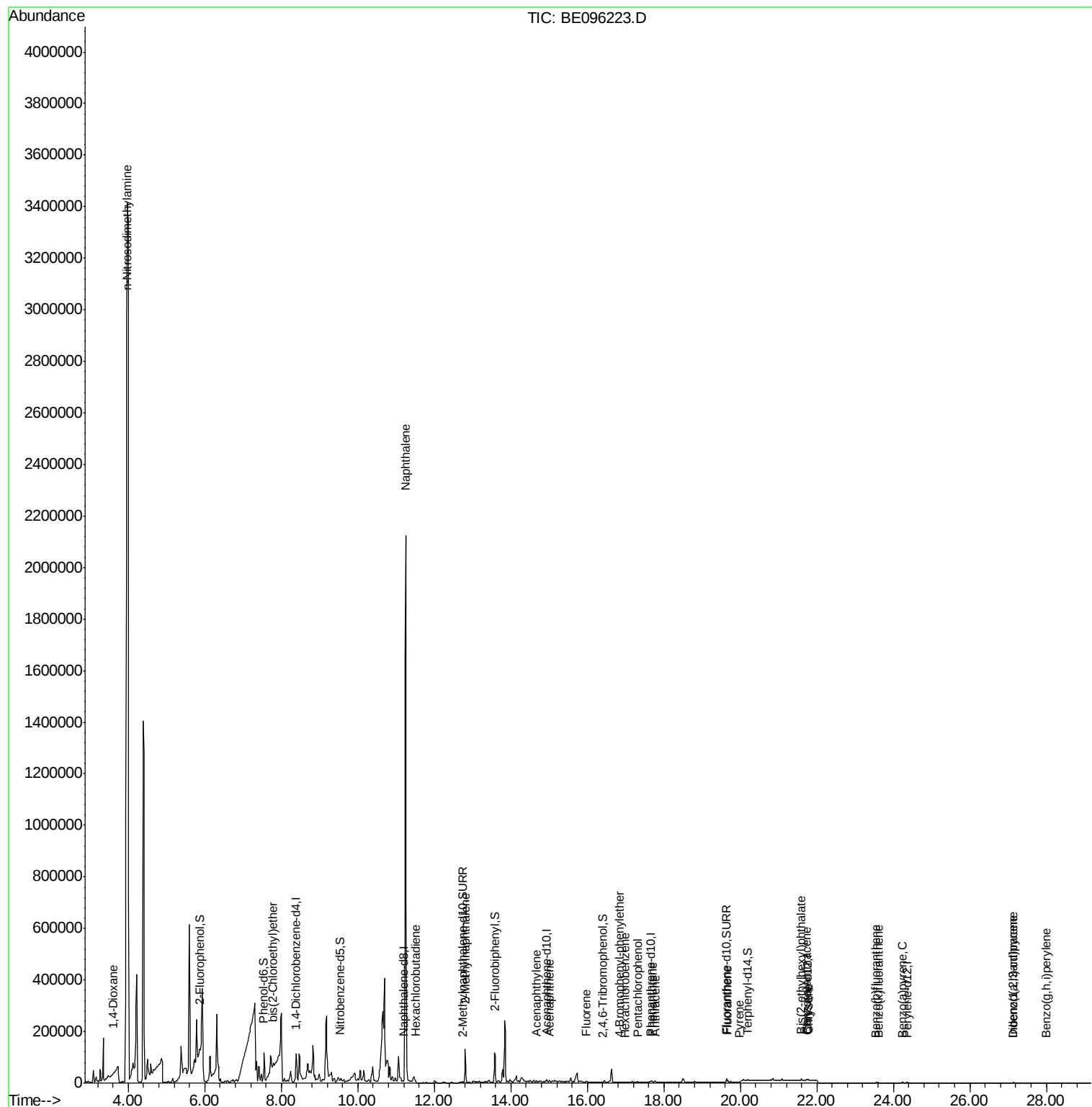
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.61	88	497	0.379	ng	# 1
3) n-Nitrosodimethylamine	3.99	42	729247	453.334	ng	# 1
6) bis(2-Chloroethyl)ether	7.76	93	1194	0.374	ng	# 1
9) Naphthalene	11.26	128	3567426	120.253	ng	99
10) Hexachlorobutadiene	11.50	225	246	0.187	ng	97
12) 2-Methylnaphthalene	12.81	142	87968	17.915	ng	95
16) Acenaphthylene	14.67	152	4031	0.085	ng	# 90
17) Acenaphthene	15.00	154	2362	0.083	ng	# 92
18) Fluorene	15.97	166	4219	0.119	ng	# 79
20) 4-Bromophenyl-phenylether	16.85	248	763	0.372	ng	# 38
21) Hexachlorobenzene	16.97	284	737	0.361	ng	# 85
22) Pentachlorophenol	17.31	266	943	1.136	ng	# 73
23) Phenanthrene	17.70	178	4769	0.492	ng	97
24) Anthracene	17.78	178	4097	0.442	ng	# 93
26) Fluoranthene	19.66	202	5542	0.435	ng	# 31
28) Pyrene	19.97	202	662	0.086	ng	# 79
30) Benzo(a)anthracene	21.73	228	4982	0.396	ng	# 92
31) Chrysene	21.79	228	4508	0.371	ng	# 88
32) Bis(2-ethylhexyl)phthalate	21.60	149	9953	0.307	ng	# 99
33) Indeno(1,2,3-cd)pyrene	27.14	276	2903	0.247	ng	97
35) Benzo(b)fluoranthene	23.55	252	3733	0.322	ng	92
36) Benzo(k)fluoranthene	23.60	252	3465	0.290	ng	# 74
37) Benzo(a)pyrene	24.24	252	3386	0.304	ng	# 75
38) Dibenzo(a,h)anthracene	27.15	278	2327	0.237	ng	# 81
39) Benzo(g,h,i)perylene	28.00	276	2474	0.238	ng	# 81

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

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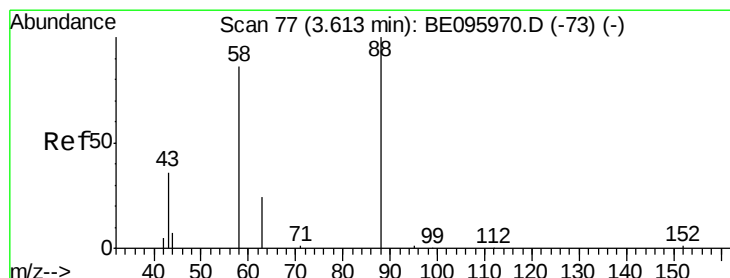
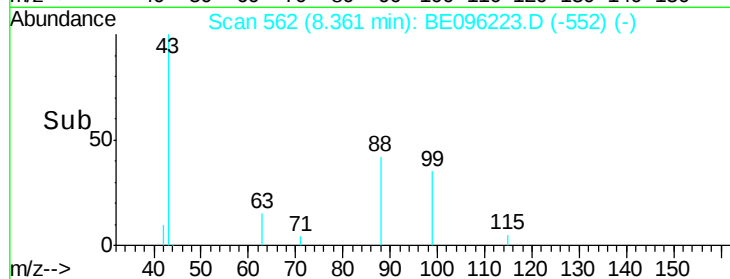
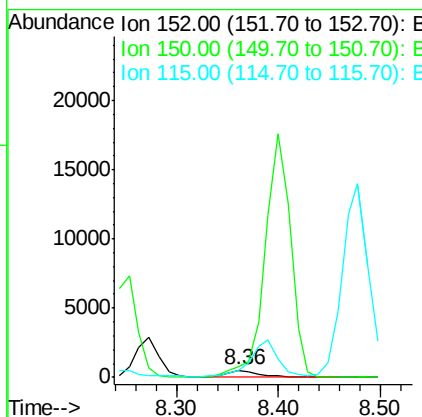
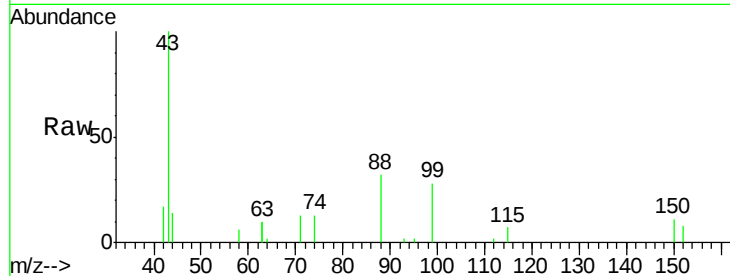




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.36 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: BE096223.D
 Acq: 30 Apr 2018 15:57

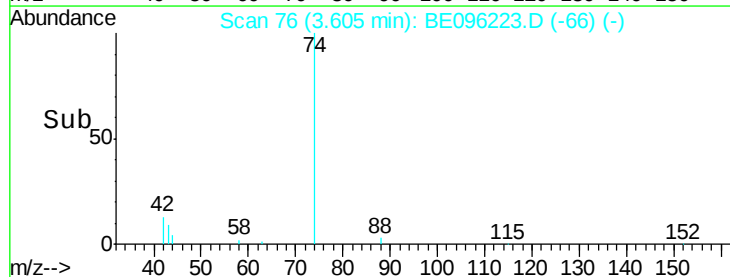
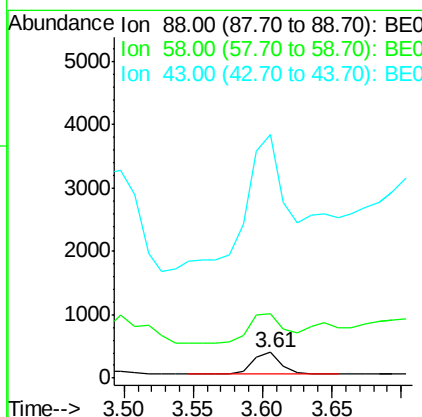
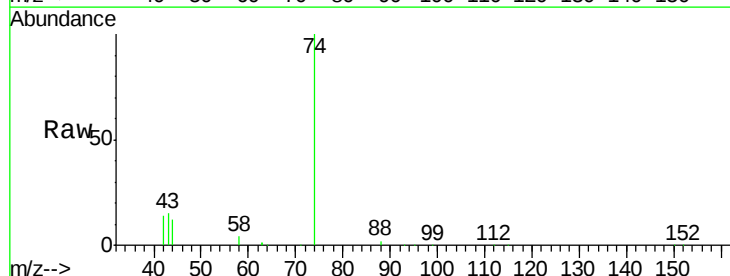
Instrument :
 BNA_E
 ClientSampleId :
 LF001MW001-180418MS

Tgt Ion: 152 Resp: 850
 Ion Ratio Lower Upper
 152 100
 150 145.1 117.2 175.8
 115 95.3 57.0 85.6#



#2
 1,4-Dioxane
 Concen: 0.379 ng
 RT: 3.61 min Scan# 76
 Delta R.T. 0.00 min
 Lab File: BE096223.D
 Acq: 30 Apr 2018 15:57

Tgt Ion: 88 Resp: 497
 Ion Ratio Lower Upper
 88 100
 58 177.3 63.2 94.8#
 43 936.6 41.2 61.8#



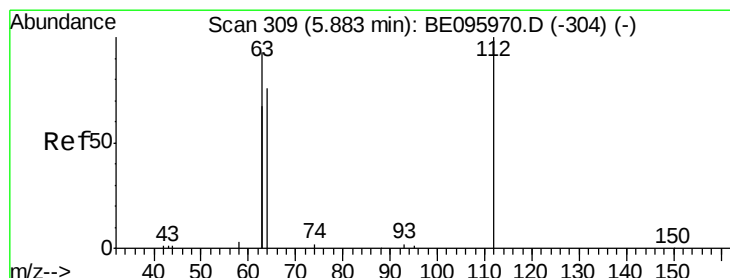
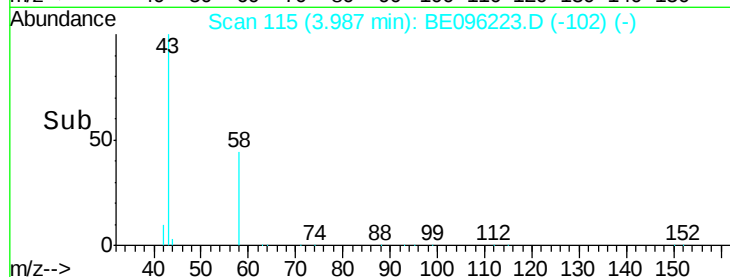
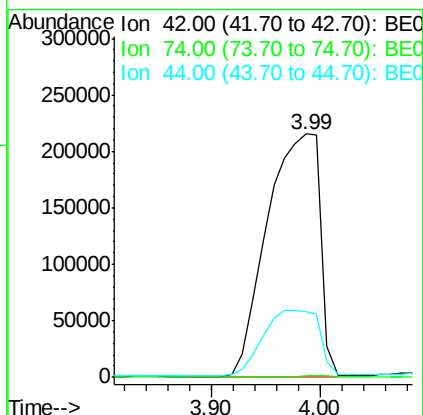
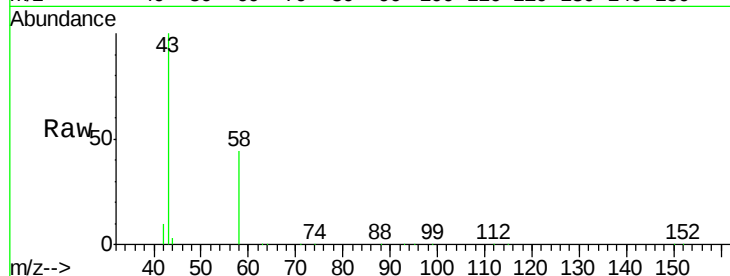


#3

n-Nitrosodimethylamine
 Concen: 453.334 ng
 RT: 3.99 min Scan# 115
 Delta R.T. 0.03 min
 Lab File: BE096223.D
 Acq: 30 Apr 2018 15:57

Instrument :
 BNA_E
 ClientSampleId :
 LF001MW001-180418MS

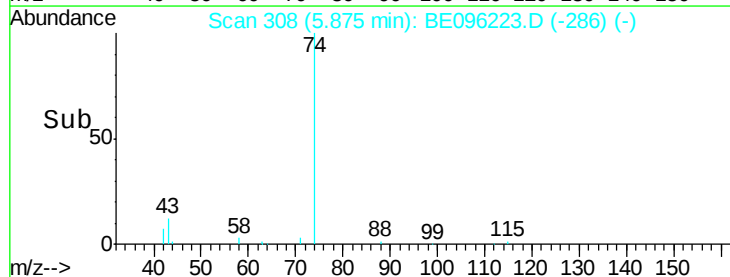
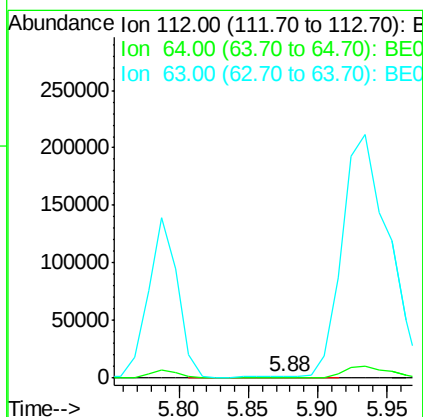
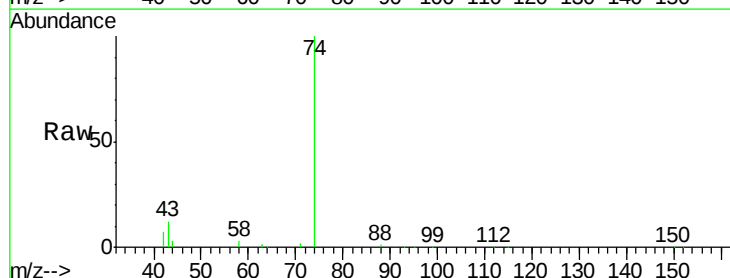
Tgt Ion: 42 Resp: 729247
 Ion Ratio Lower Upper
 42 100
 74 0.0 96.0 144.0#
 44 28.2 12.0 18.0#

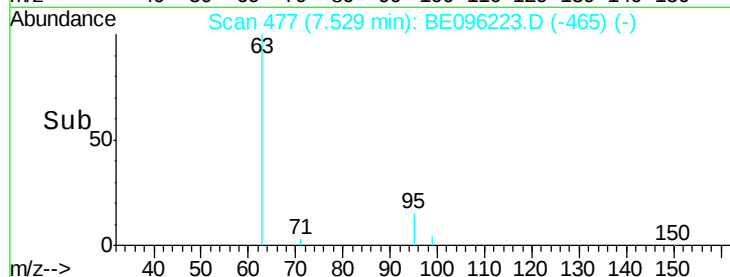
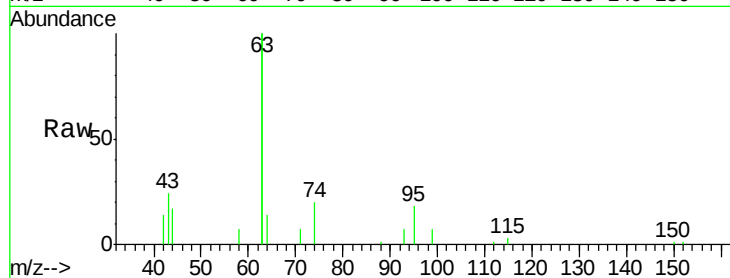
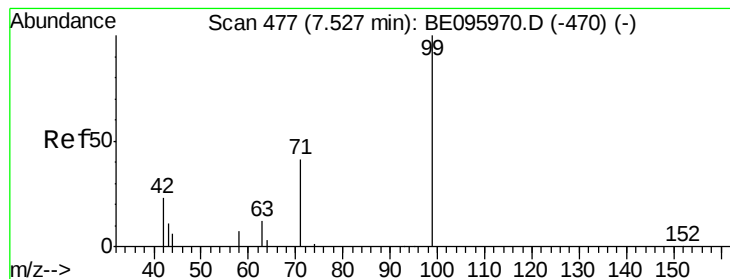


#4

2-Fluorophenol
 Concen: 0.250 ng
 RT: 5.88 min Scan# 308
 Delta R.T. 0.01 min
 Lab File: BE096223.D
 Acq: 30 Apr 2018 15:57

Tgt Ion: 112 Resp: 656
 Ion Ratio Lower Upper
 112 100
 64 0.0 60.1 90.1#
 63 0.0 116.8 175.2#





#5

Phenol-d6

Concen: 0.237 ng

RT: 7.53 min Scan# 477

Delta R.T. 0.02 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MS

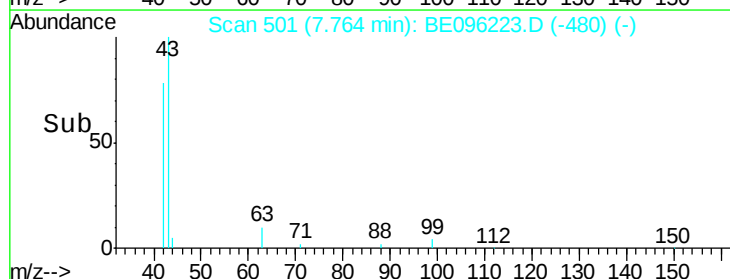
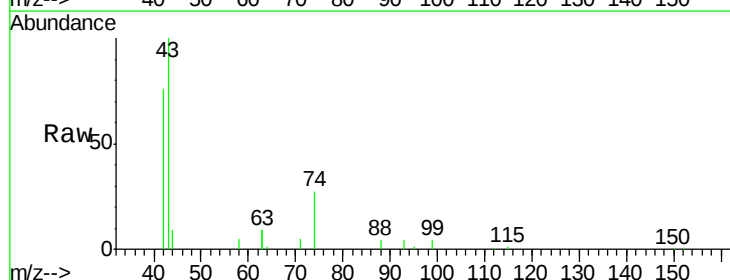
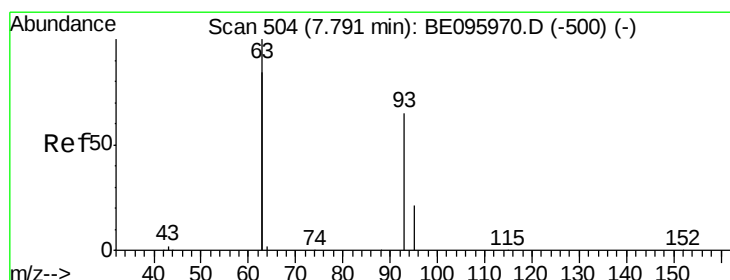
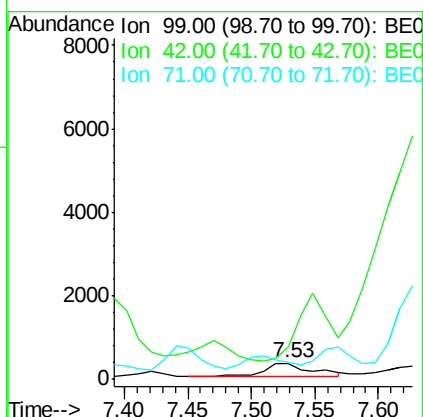
Tgt Ion: 99 Resp: 859

Ion Ratio Lower Upper

99 100

42 325.0 20.2 30.2#

71 0.0 28.4 42.6#



#6

bis(2-Chloroethyl)ether

Concen: 0.374 ng

RT: 7.76 min Scan# 501

Delta R.T. 0.00 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

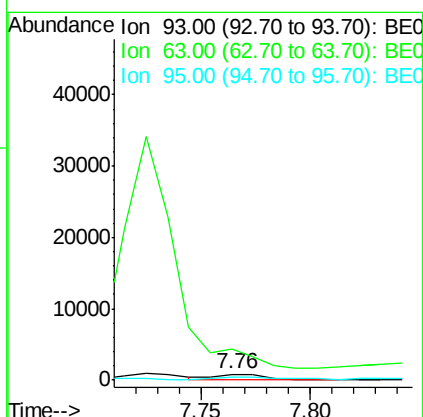
Tgt Ion: 93 Resp: 1194

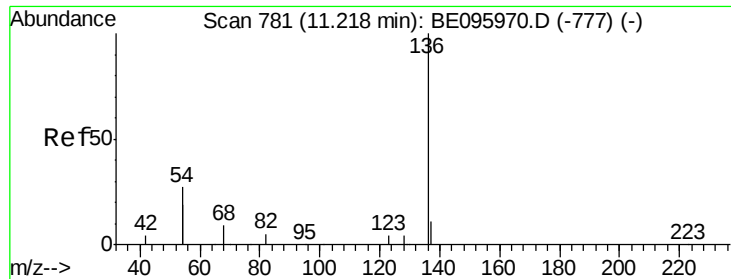
Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

95 35.8 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.20 min Scan# 780

Delta R.T. 0.01 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MS

Tgt Ion: 136 Resp: 2814

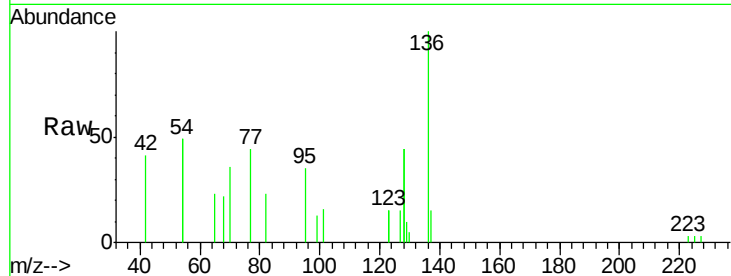
Ion Ratio Lower Upper

136 100

137 15.1 9.5 14.3#

54 98.9 29.1 43.7#

68 22.4 6.2 9.2#



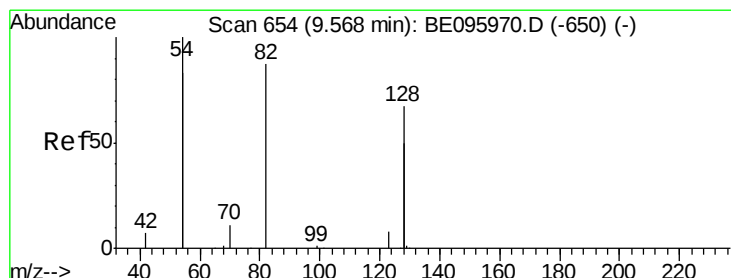
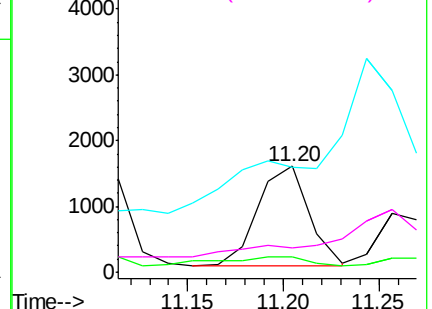
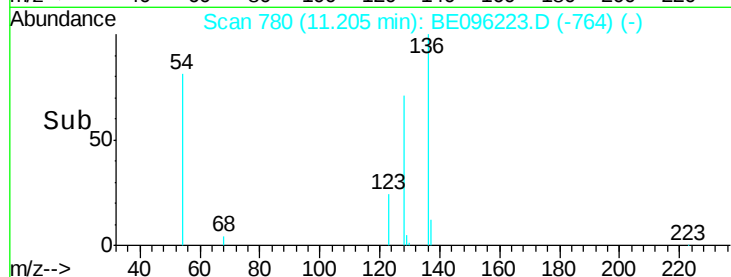
Abundance

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: 0.854 ng

RT: 9.54 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

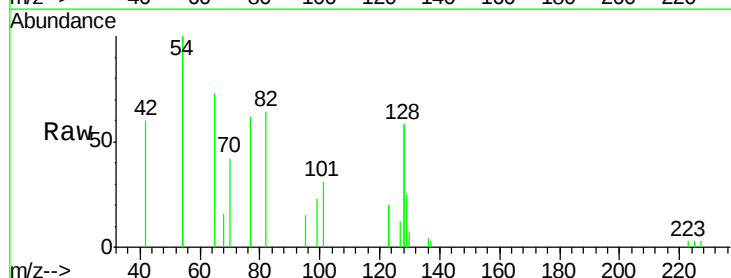
Tgt Ion: 82 Resp: 2819

Ion Ratio Lower Upper

82 100

128 182.3 150.0 225.0

54 312.3 154.2 231.4#

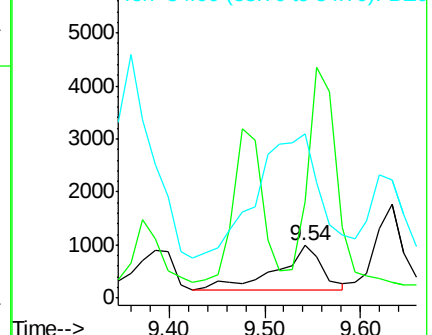
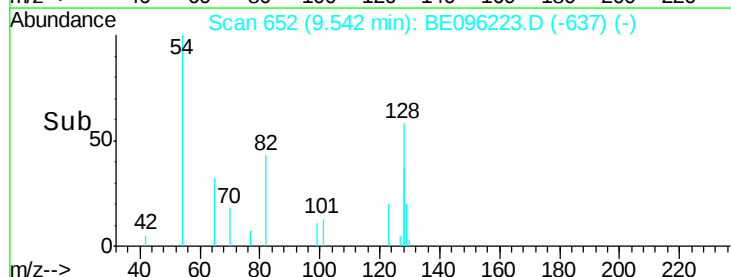


Abundance

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: 120.253 ng

RT: 11.26 min Scan# 784

Delta R.T. 0.01 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

Instrument :

BNA_E

ClientSampleId :

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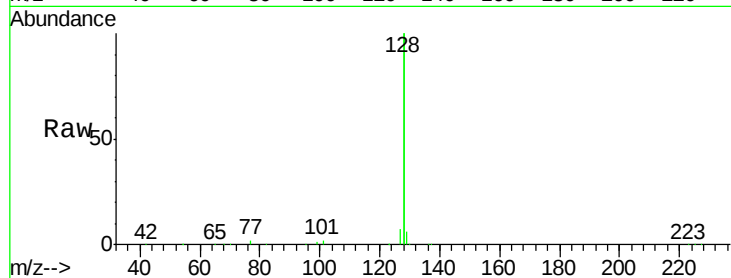
Tgt Ion:128 Resp: 3567426

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

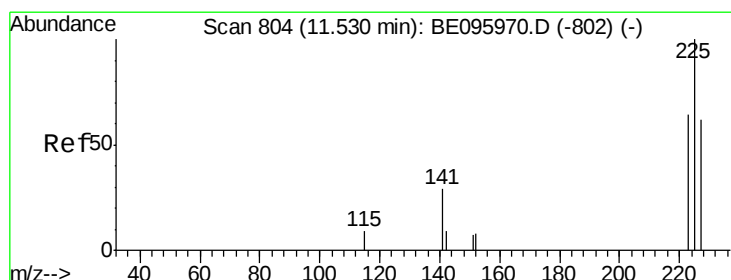
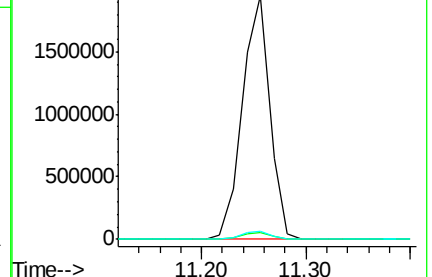
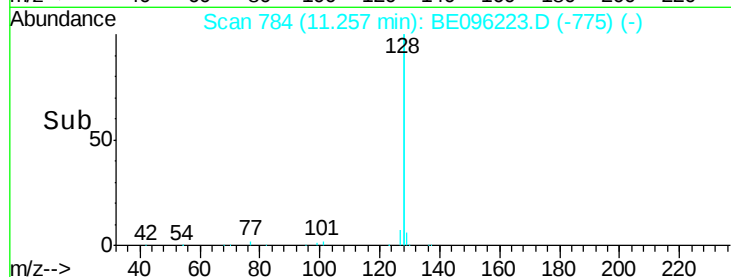
127 3.4 2.8 4.2



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: 0.187 ng

RT: 11.50 min Scan# 803

Delta R.T. -0.00 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

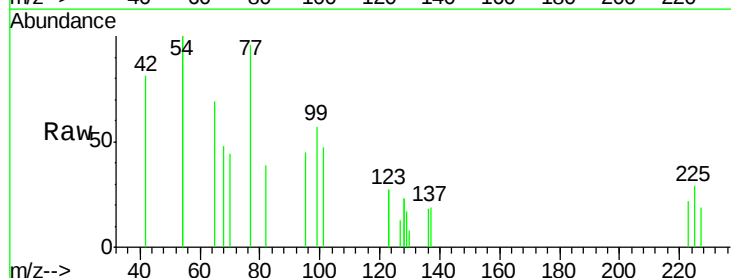
Tgt Ion:225 Resp: 246

Ion Ratio Lower Upper

225 100

223 69.1 53.0 79.6

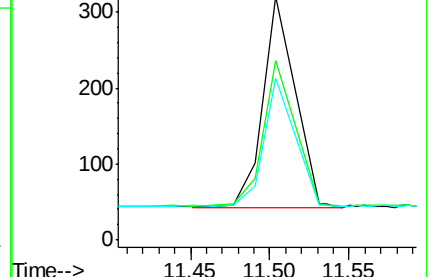
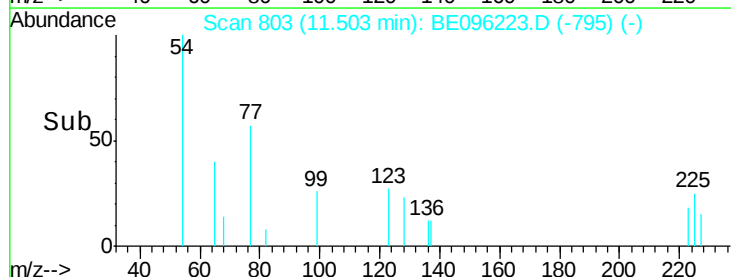
227 62.6 51.4 77.2

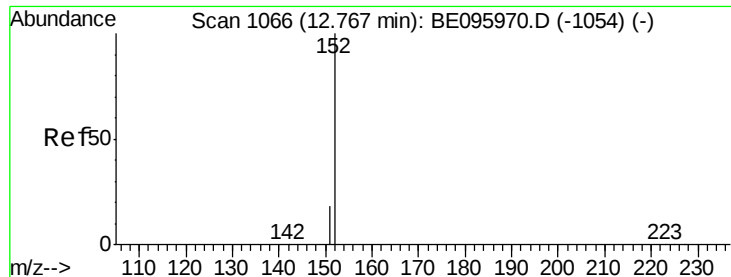


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

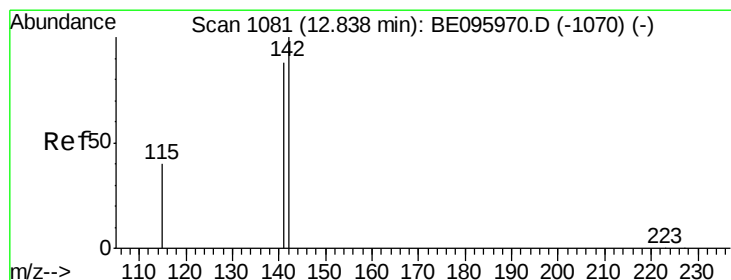
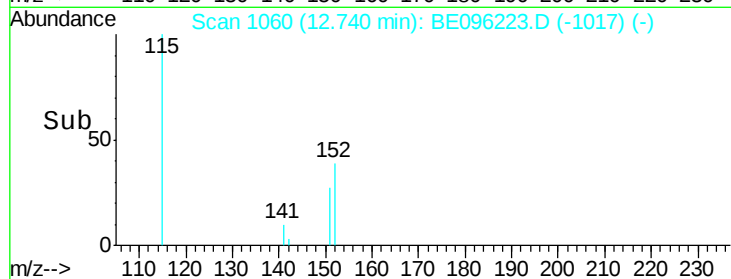
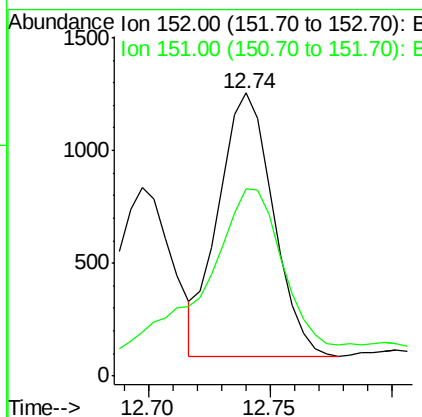
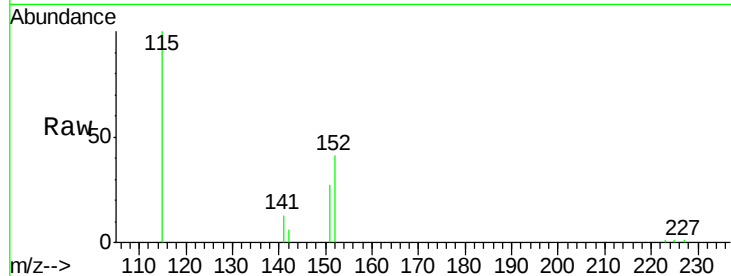




#11
 2-Methylnaphthalene-d10
 Concen: 0.407 ng
 RT: 12.74 min Scan# 1060
 Delta R.T. 0.00 min
 Lab File: BE096223.D
 Acq: 30 Apr 2018 15:57

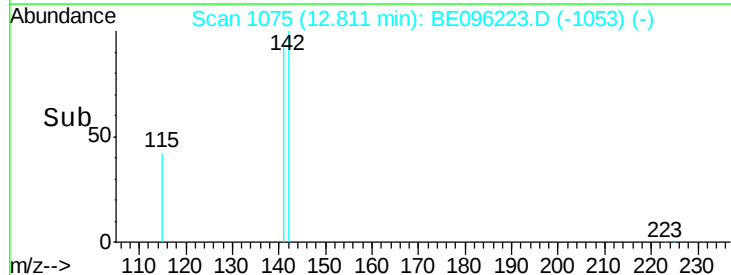
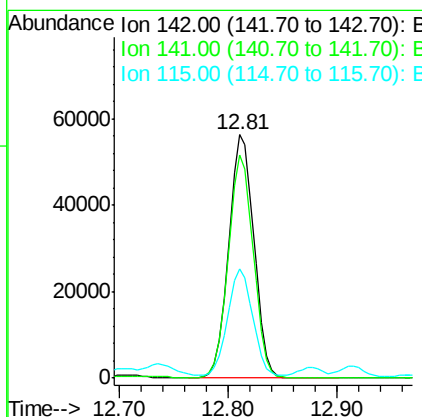
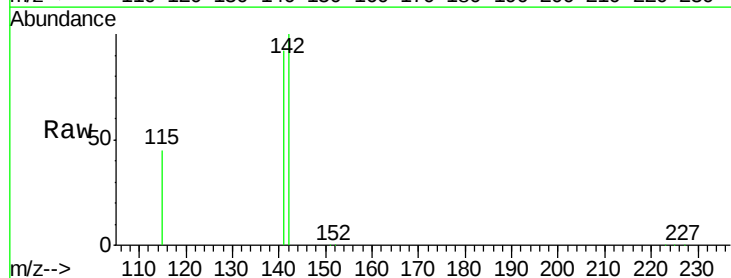
Instrument :
 BNA_E
 ClientSampleId :
 LF001MW001-180418MS

Tgt Ion:152 Resp: 1817
 Ion Ratio Lower Upper
 152 100
 151 94.3 15.4 23.0#



#12
 2-Methylnaphthalene
 Concen: 17.915 ng
 RT: 12.81 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: BE096223.D
 Acq: 30 Apr 2018 15:57

Tgt Ion:142 Resp: 87968
 Ion Ratio Lower Upper
 142 100
 141 91.6 70.4 105.6
 115 45.1 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.93 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MS

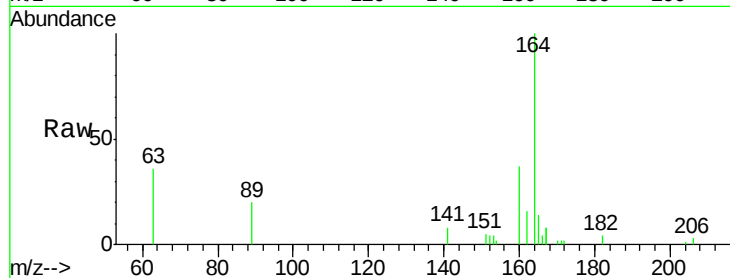
Tgt Ion:164 Resp: 8919

Ion Ratio Lower Upper

164 100

162 15.9 83.1 124.7#

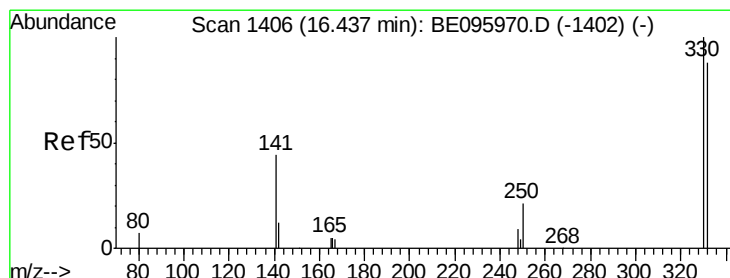
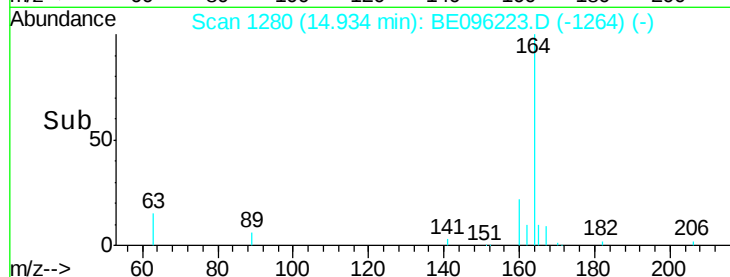
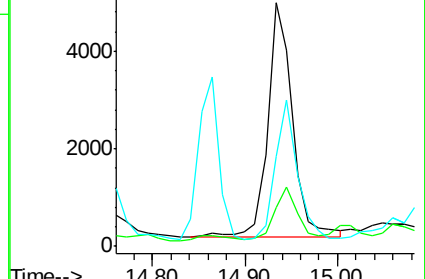
160 37.2 37.1 55.7



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

2,4,6-Tribromophenol

Concen: 0.078 ng

RT: 16.41 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

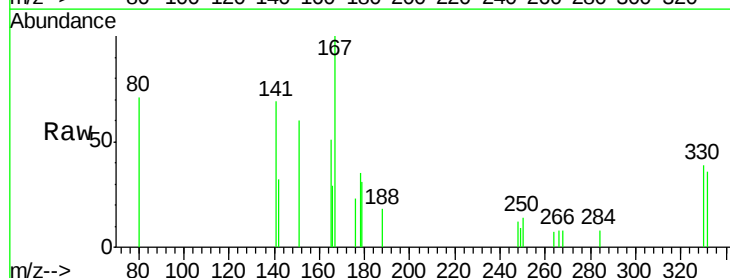
Tgt Ion:330 Resp: 336

Ion Ratio Lower Upper

330 100

332 96.1 152.7 229.1#

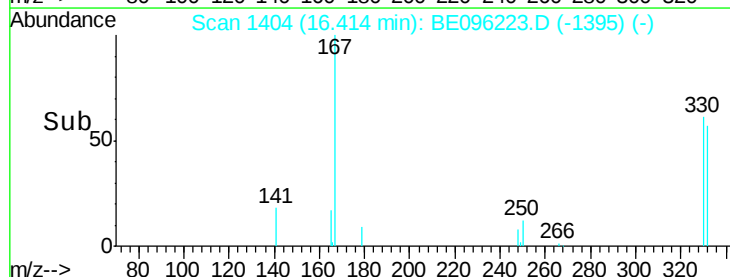
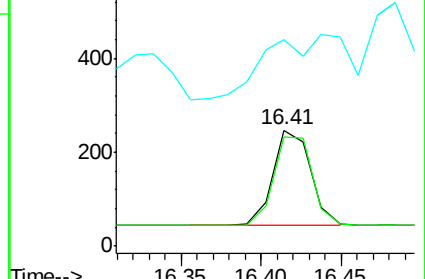
141 0.0 33.7 50.5#

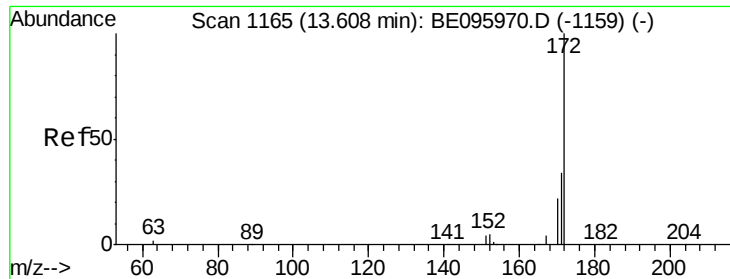


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

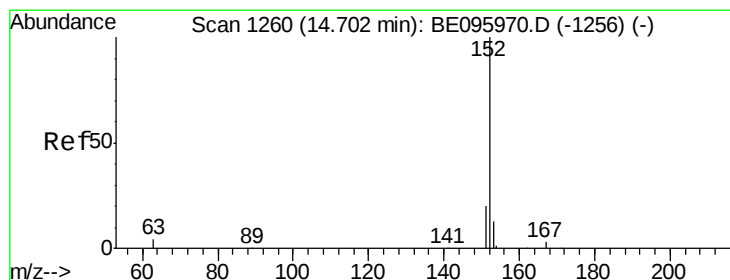
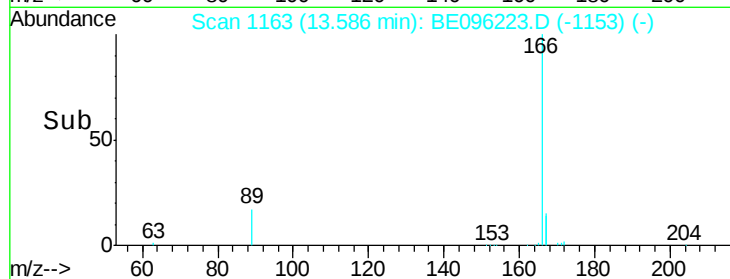
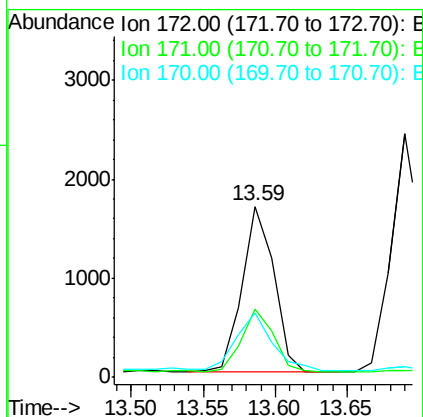
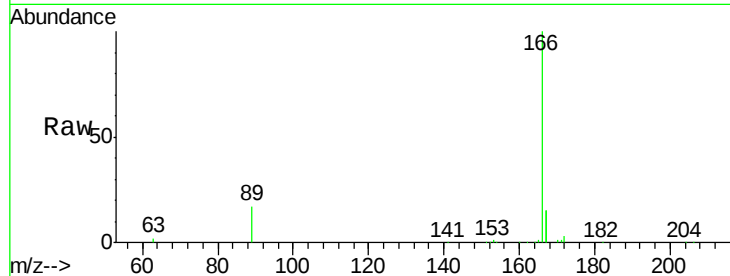




#15
2-Fluorobiphenyl
Concen: 0.067 ng
RT: 13.59 min Scan# 1163
Delta R.T. 0.01 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

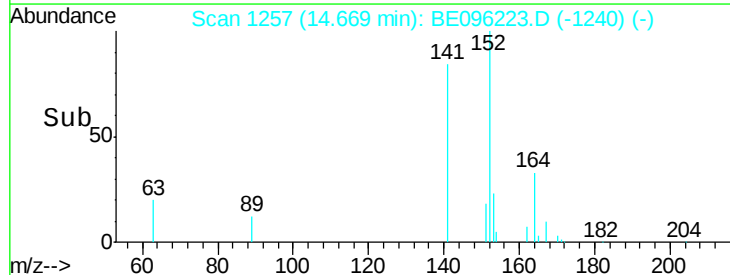
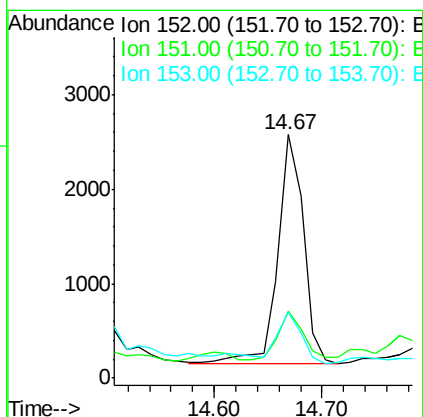
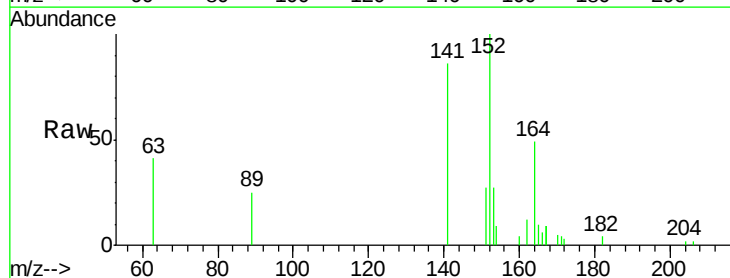
Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418MS

Tgt Ion:172 Resp: 2573
Ion Ratio Lower Upper
172 100
171 39.9 29.9 44.9
170 37.7 21.8 32.8#



#16
Acenaphthylene
Concen: 0.085 ng
RT: 14.67 min Scan# 1257
Delta R.T. 0.00 min
Lab File: BE096223.D
Acq: 30 Apr 2018 15:57

Tgt Ion:152 Resp: 4031
Ion Ratio Lower Upper
152 100
151 20.7 15.7 23.5
153 21.3 10.5 15.7#





#17

Acenaphthene

Concen: 0.083 ng

RT: 15.00 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MS

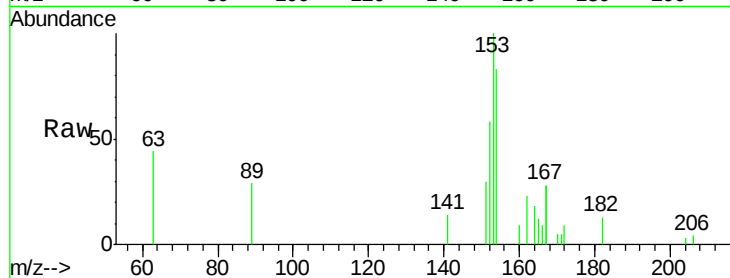
Tgt Ion:154 Resp: 2362

Ion Ratio Lower Upper

154 100

153 108.9 89.2 133.8

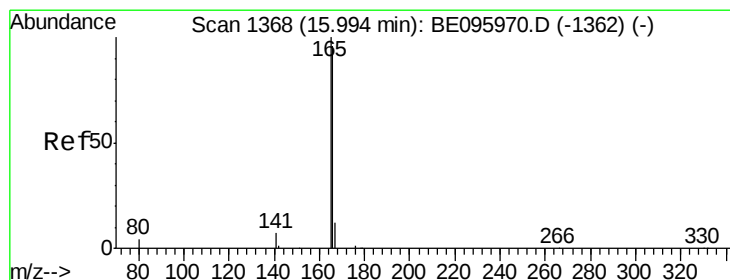
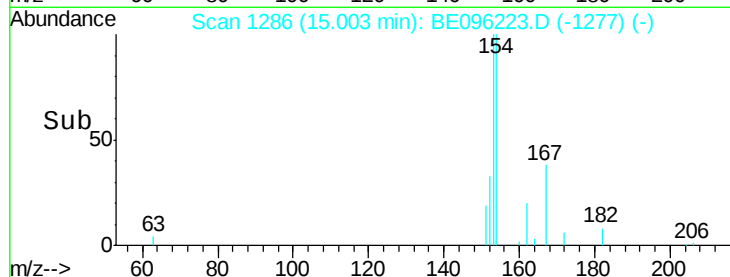
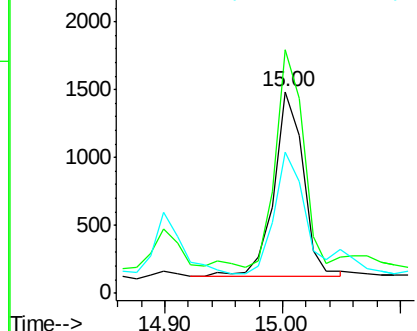
152 66.6 42.0 63.0#



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: 0.119 ng

RT: 15.97 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

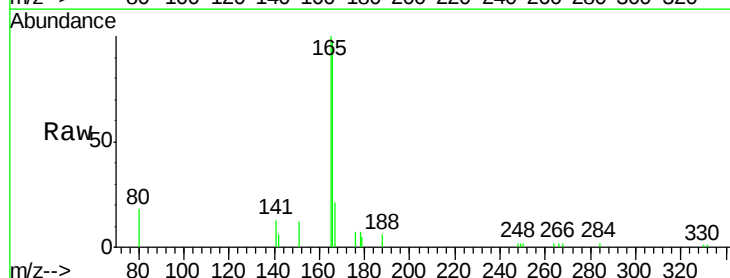
Tgt Ion:166 Resp: 4219

Ion Ratio Lower Upper

166 100

165 93.5 77.8 116.6

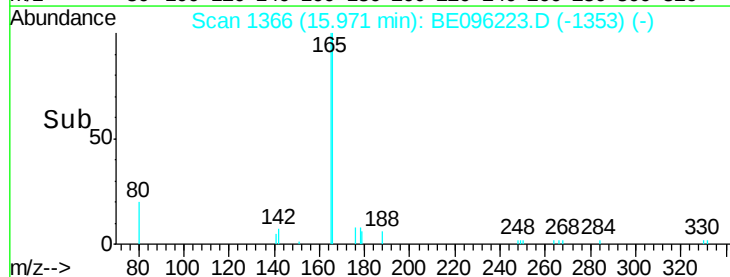
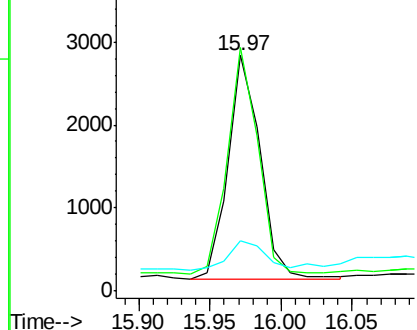
167 15.2 42.4 63.6#



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: 17.65 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MS

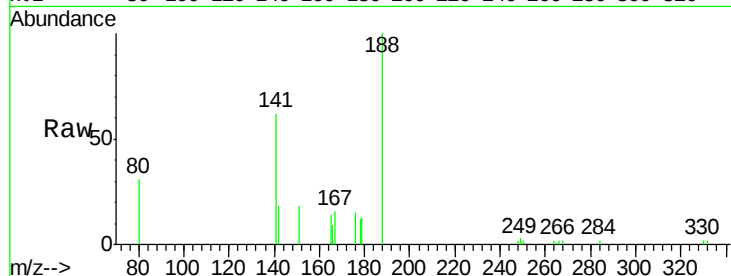
Tgt Ion:188 Resp: 3452

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

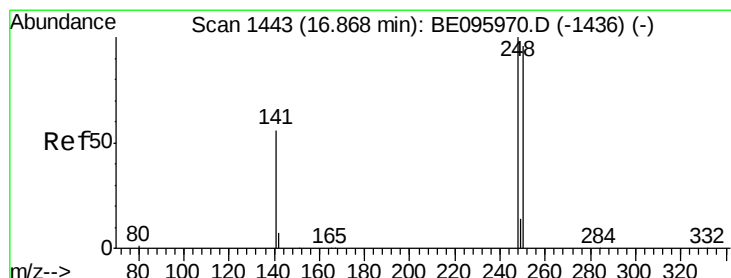
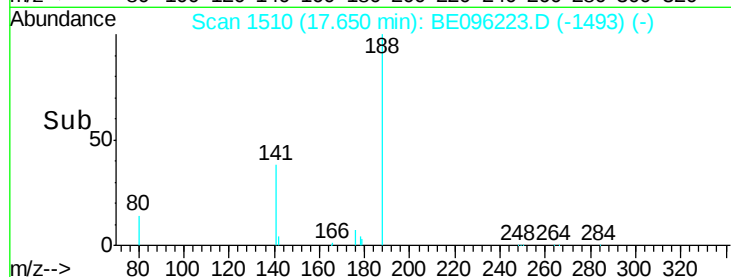
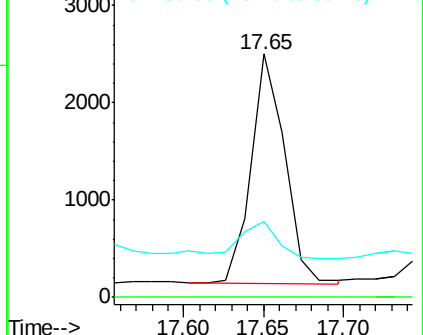
80 31.0 3.6 5.4#



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: 0.372 ng

RT: 16.85 min Scan# 1441

Delta R.T. 0.01 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

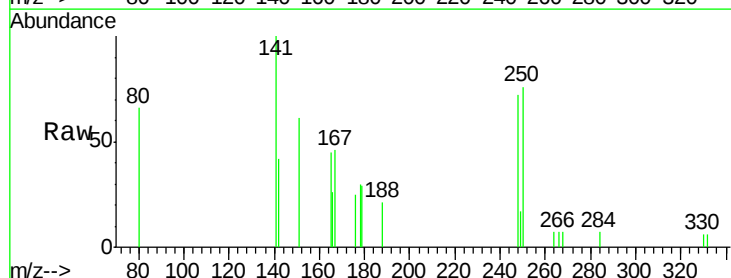
Tgt Ion:248 Resp: 763

Ion Ratio Lower Upper

248 100

250 105.2 62.7 94.1#

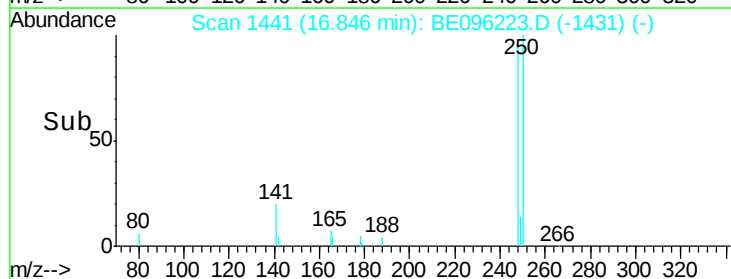
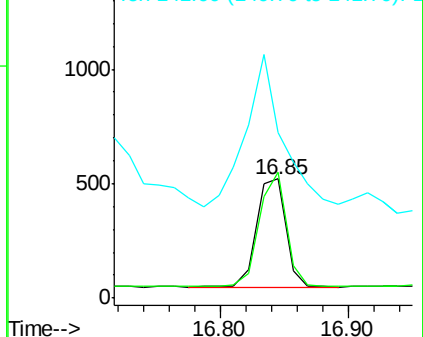
141 138.8 48.2 72.2#



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: 0.361 ng

RT: 16.97 min Scan# 1452

Delta R.T. 0.00 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MS

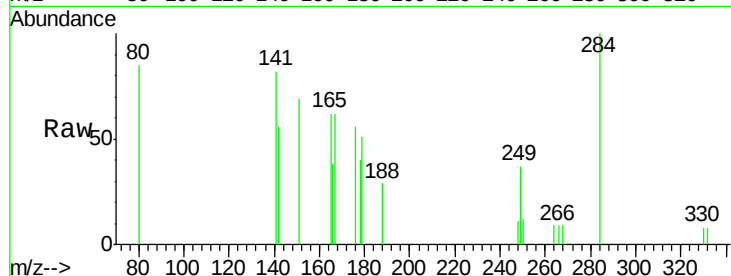
Tgt Ion:284 Resp: 737

Ion Ratio Lower Upper

284 100

142 36.8 22.1 33.1#

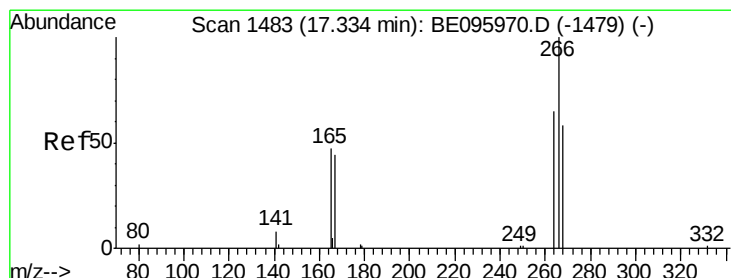
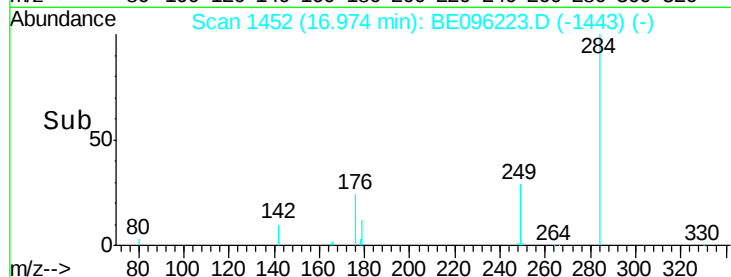
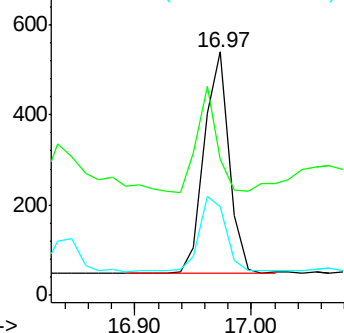
249 35.1 34.8 52.2



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: 1.136 ng

RT: 17.31 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

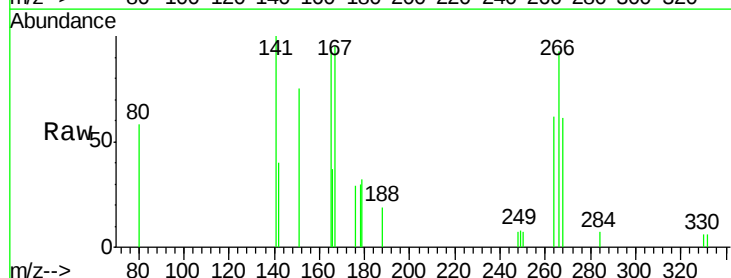
Tgt Ion:266 Resp: 943

Ion Ratio Lower Upper

266 100

264 66.6 72.5 108.7#

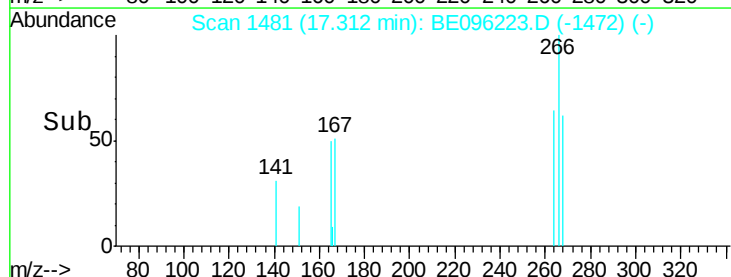
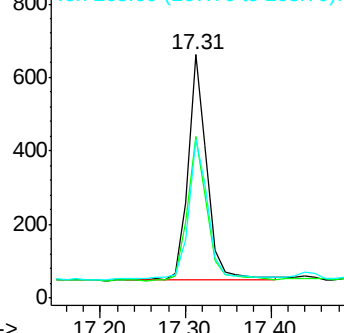
268 65.6 73.8 110.6#

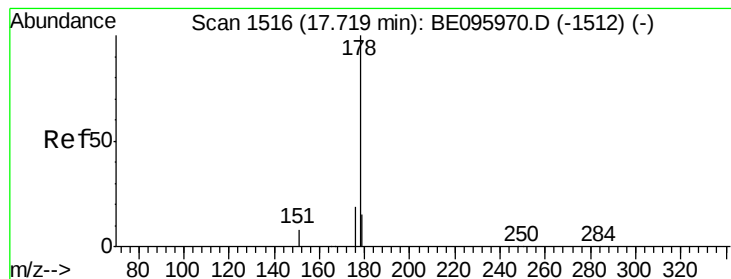


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.492 ng

RT: 17.70 min Scan# 1514

Delta R.T. 0.00 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MS

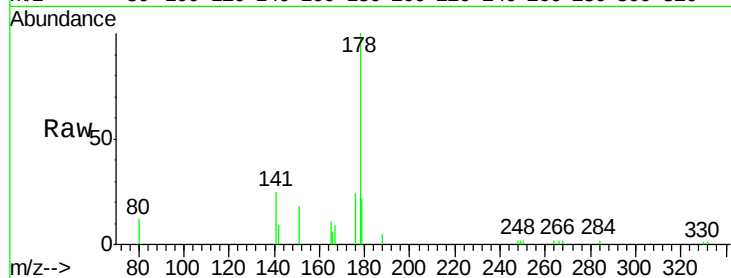
Tgt Ion:178 Resp: 4769

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

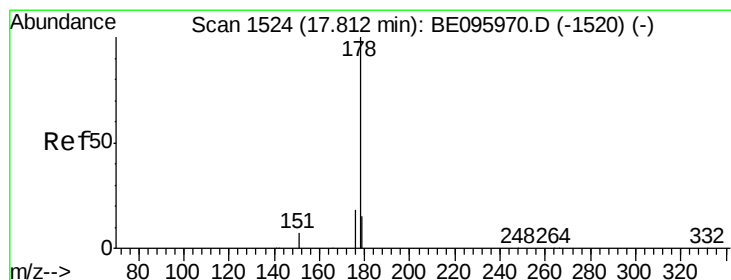
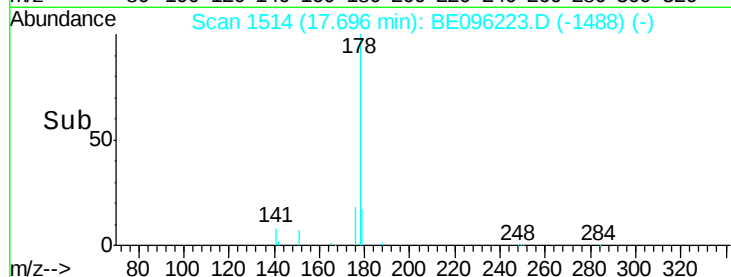
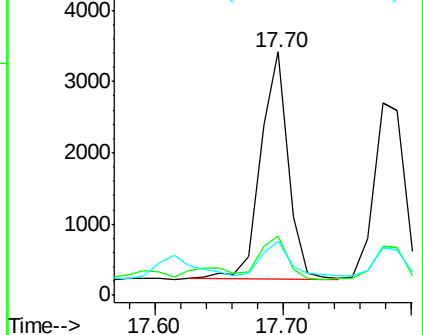
179 16.6 11.8 17.6



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: 0.442 ng

RT: 17.78 min Scan# 1521

Delta R.T. 0.00 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

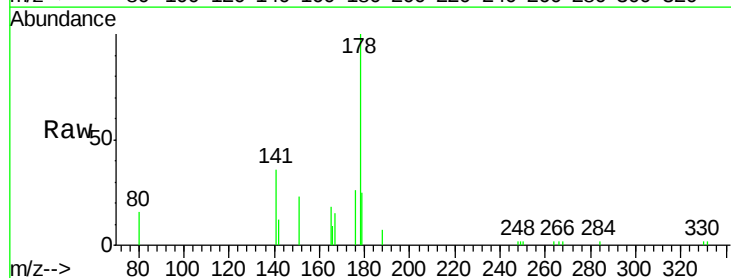
Tgt Ion:178 Resp: 4097

Ion Ratio Lower Upper

178 100

176 21.5 12.8 19.2#

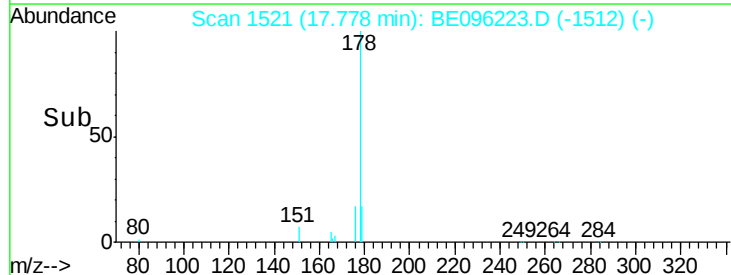
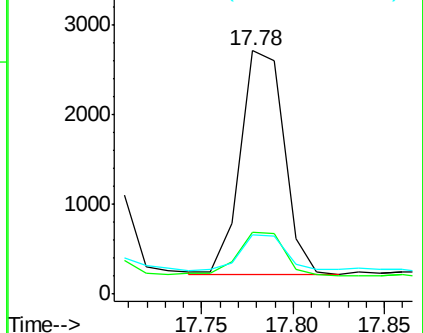
179 15.9 13.0 19.6

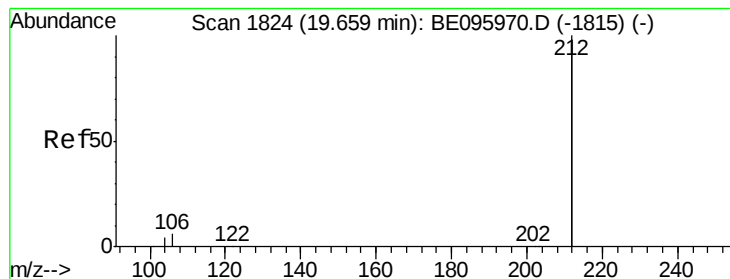


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.382 ng

RT: 19.64 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MS

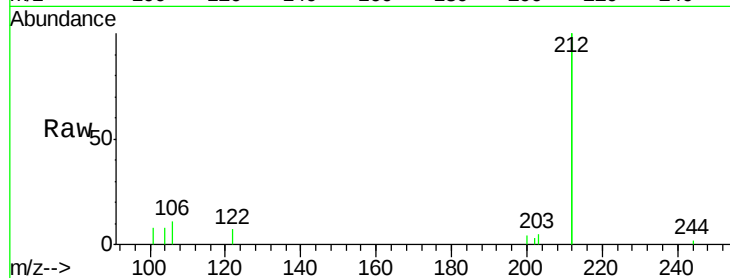
Tgt Ion:212 Resp: 17922

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

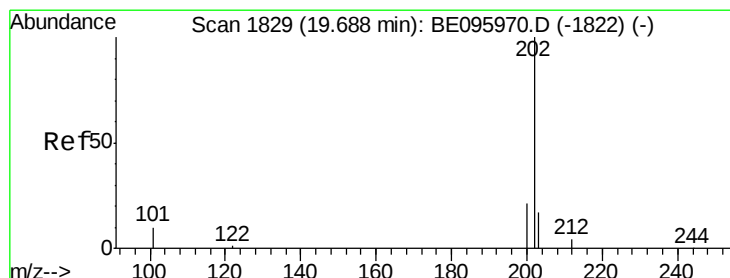
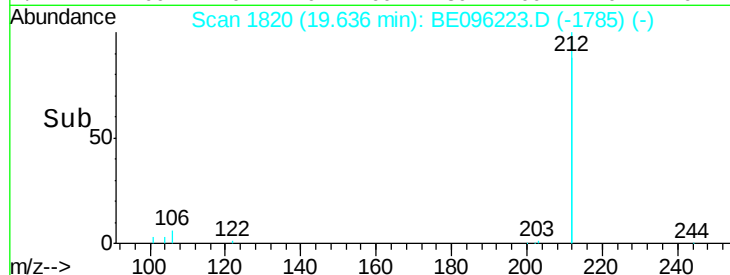
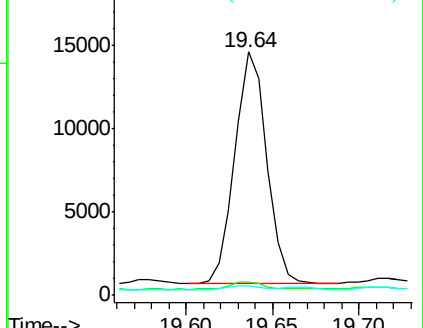
104 1.9 1.6 2.4



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: 0.435 ng

RT: 19.66 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

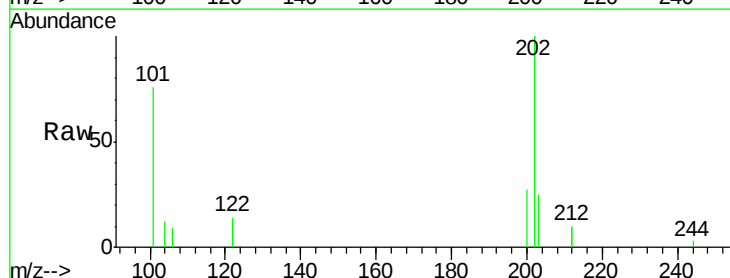
Tgt Ion:202 Resp: 5542

Ion Ratio Lower Upper

202 100

101 76.4 9.8 14.8#

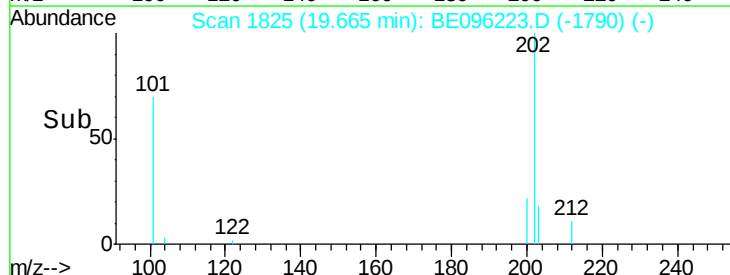
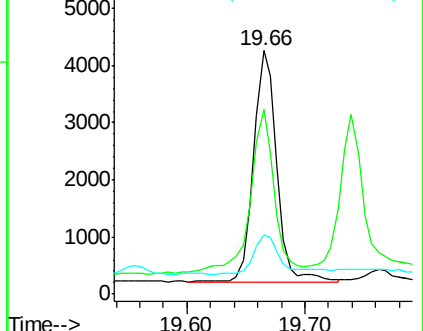
203 17.7 13.7 20.5



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: 21.75 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MS

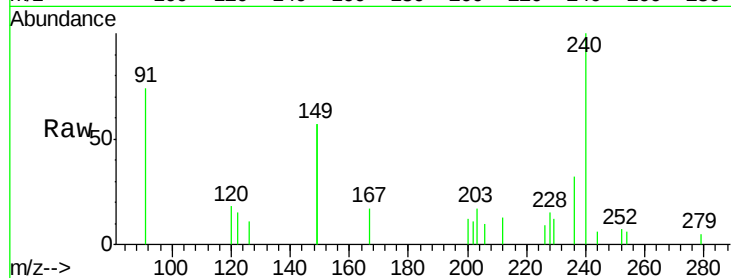
Tgt Ion:240 Resp: 3920

Ion Ratio Lower Upper

240 100

120 18.0 5.5 8.3#

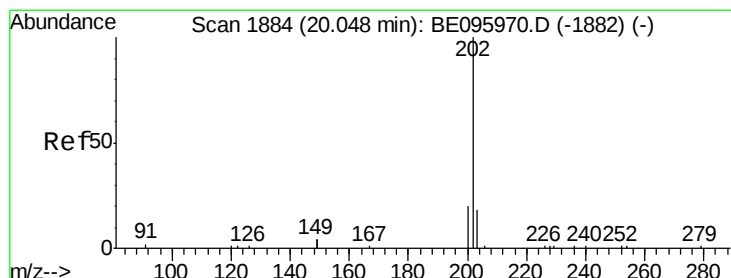
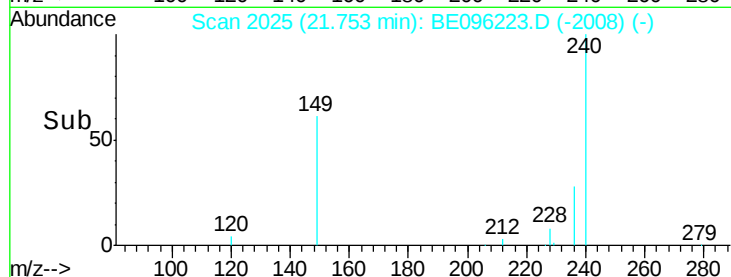
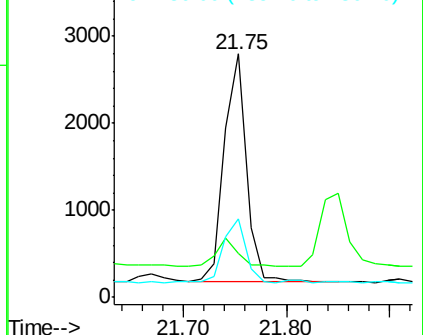
236 32.2 20.7 31.1#



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: 0.086 ng

RT: 19.97 min Scan# 1879

Delta R.T. -0.02 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

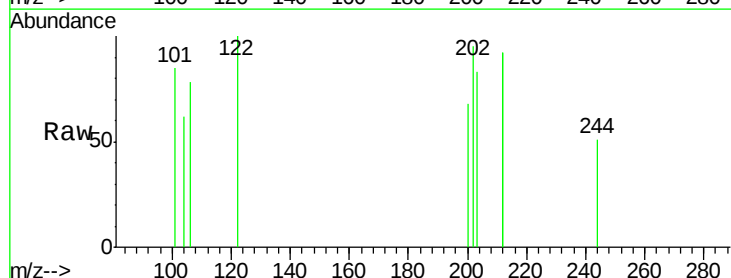
Tgt Ion:202 Resp: 662

Ion Ratio Lower Upper

202 100

200 18.6 16.6 25.0

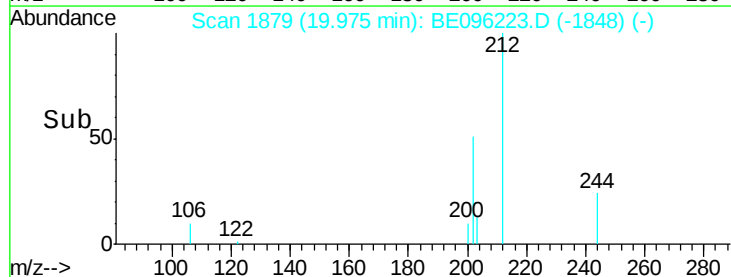
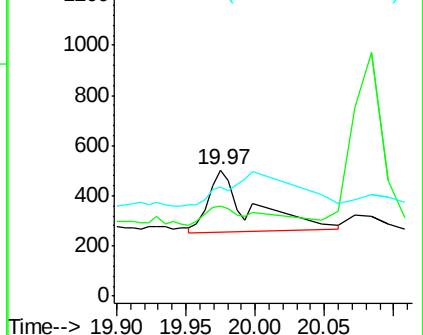
203 0.0 13.8 20.8#



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: 0.307 ng

RT: 20.19 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MS

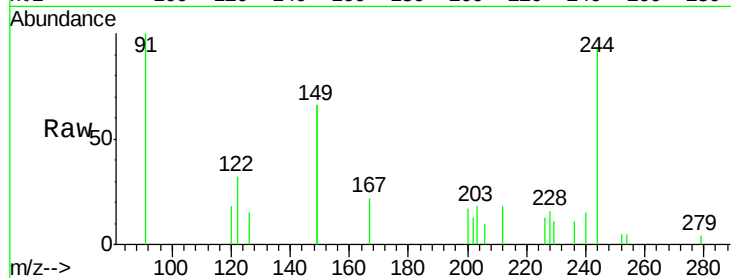
Tgt Ion:244 Resp: 2660

Ion Ratio Lower Upper

244 100

212 19.4 25.4 38.0#

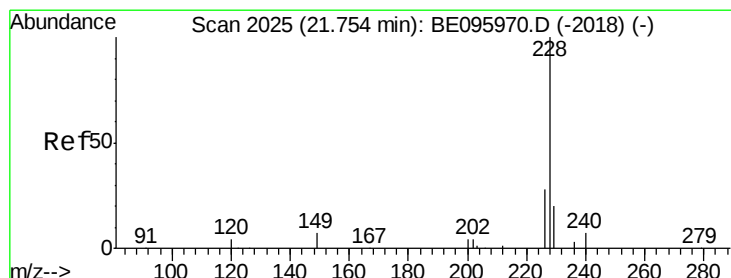
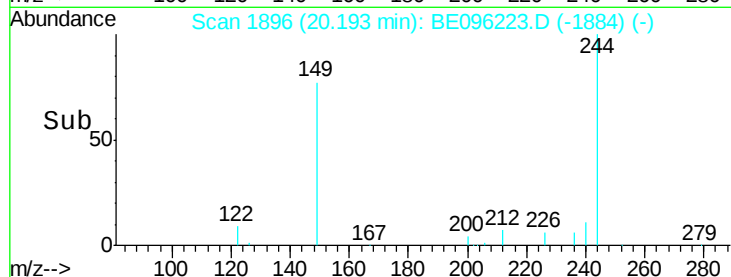
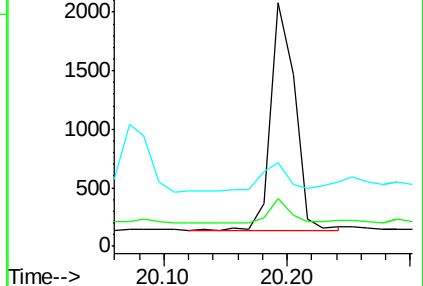
122 34.4 8.1 12.1#



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: 0.396 ng

RT: 21.73 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

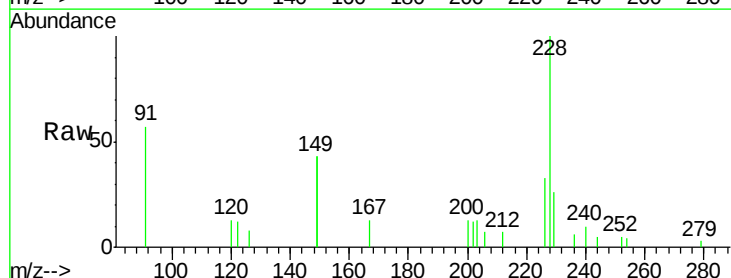
Tgt Ion:228 Resp: 4982

Ion Ratio Lower Upper

228 100

226 33.1 24.0 36.0

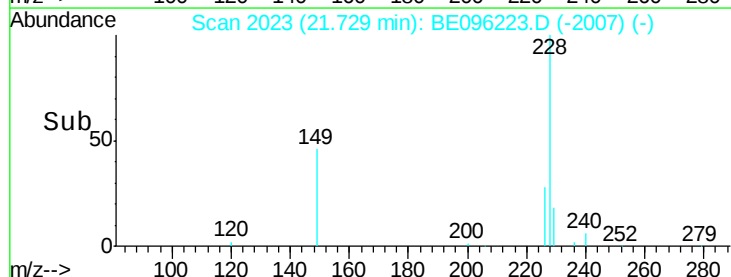
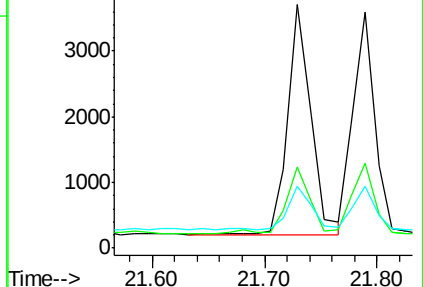
229 25.6 16.0 24.0#



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: 0.371 ng

RT: 21.79 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MS

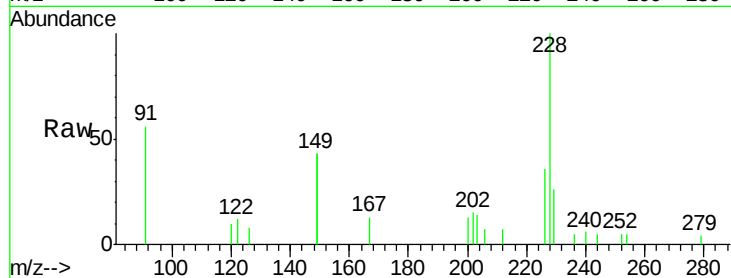
Tgt Ion:228 Resp: 4508

Ion Ratio Lower Upper

228 100

226 35.8 24.0 36.0

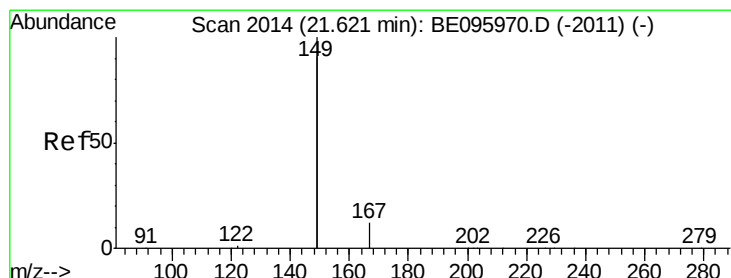
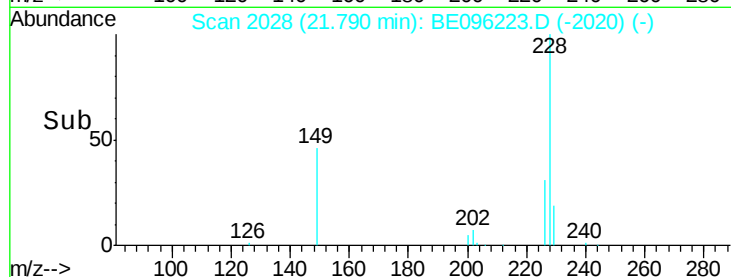
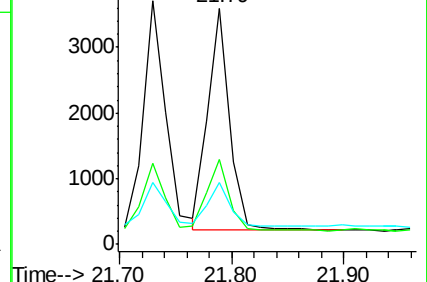
229 26.1 16.0 24.0#



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: 0.307 ng

RT: 21.60 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

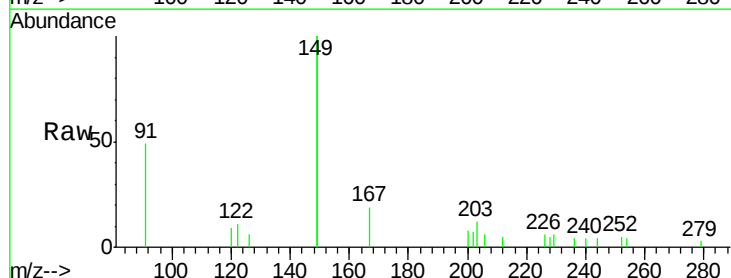
Tgt Ion:149 Resp: 9953

Ion Ratio Lower Upper

149 100

167 6.9 5.4 8.0

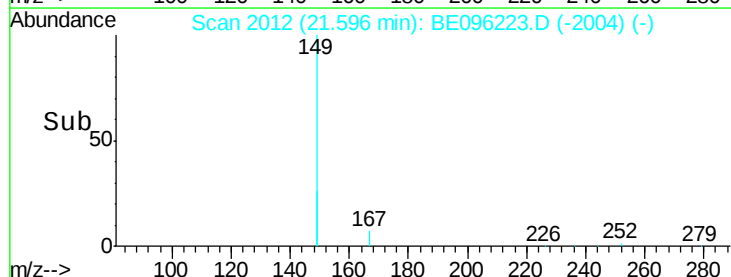
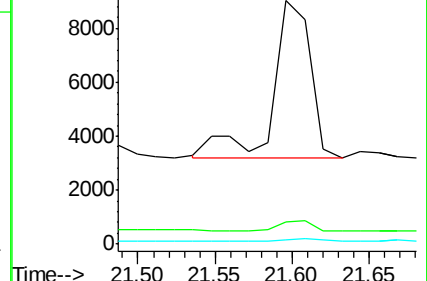
279 1.4 0.7 1.1#



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: 0.247 ng

RT: 27.14 min Scan# 3475

Delta R.T. 0.01 min

Lab File: BE096223.D

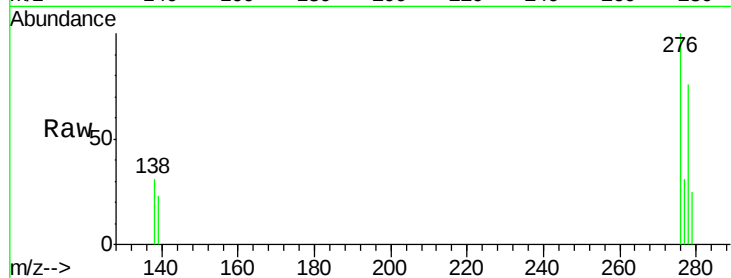
Acq: 30 Apr 2018 15:57

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MS



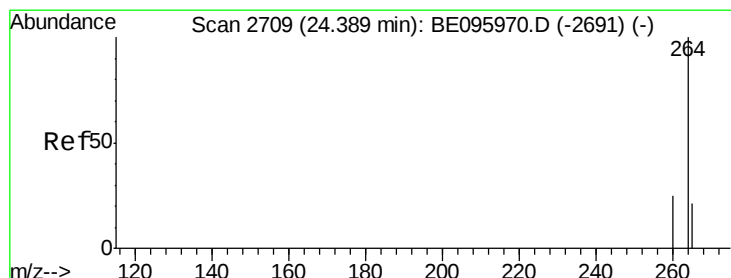
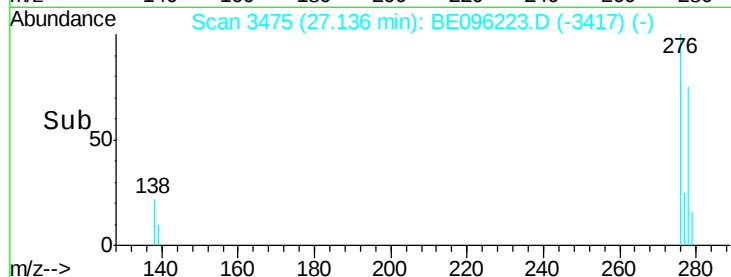
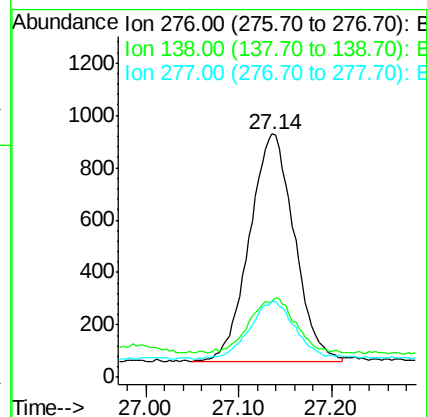
Tgt Ion: 276 Resp: 2903

Ion Ratio Lower Upper

276 100

138 25.4 22.5 33.7

277 25.7 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.35 min Scan# 2699

Delta R.T. 0.00 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

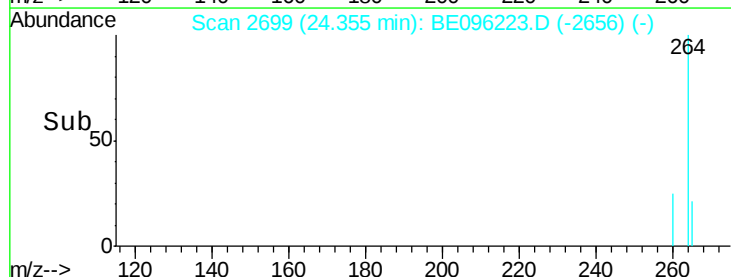
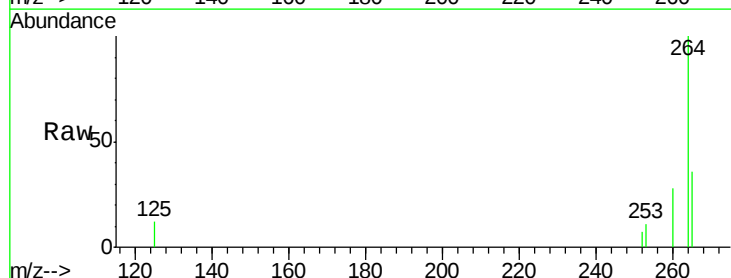
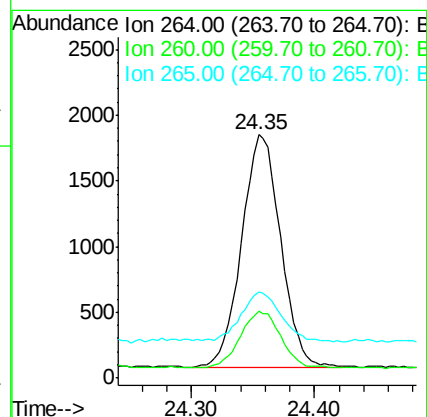
Tgt Ion: 264 Resp: 3866

Ion Ratio Lower Upper

264 100

260 27.7 20.5 30.7

265 35.6 22.8 34.2#





#35

Benzo(b)fluoranthene

Concen: 0.322 ng

RT: 23.55 min Scan# 2473

Delta R.T. 0.01 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MS

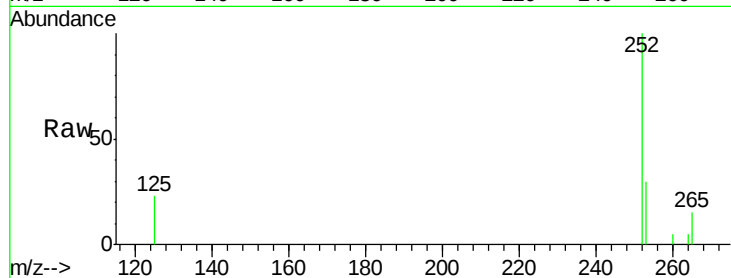
Tgt Ion:252 Resp: 3733

Ion Ratio Lower Upper

252 100

253 29.8 20.0 30.0

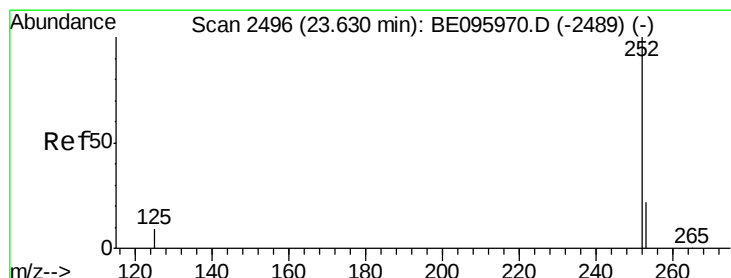
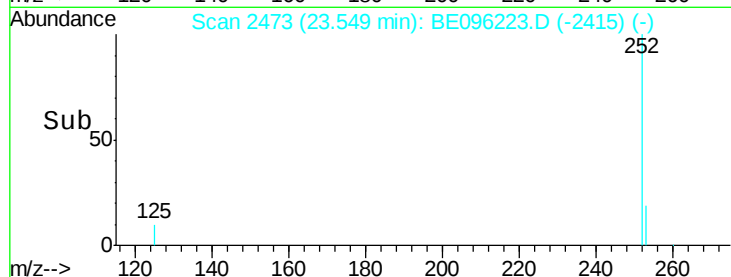
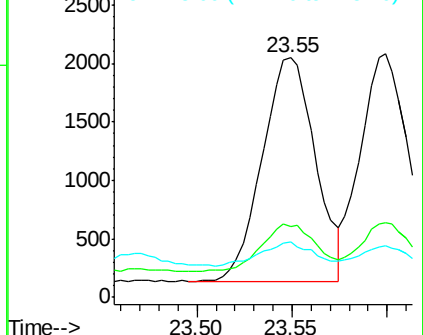
125 22.9 16.0 24.0



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: 0.290 ng

RT: 23.60 min Scan# 2487

Delta R.T. 0.00 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

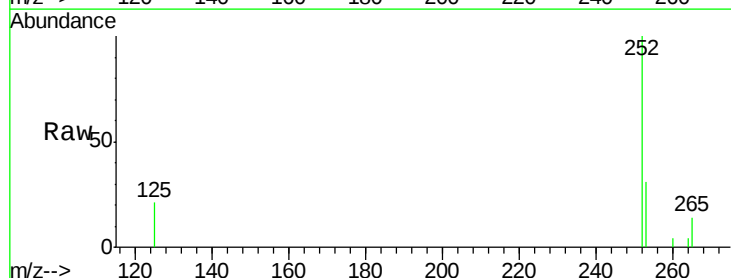
Tgt Ion:252 Resp: 3465

Ion Ratio Lower Upper

252 100

253 30.9 16.0 24.0#

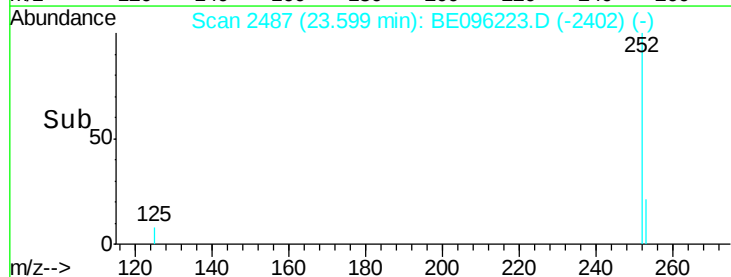
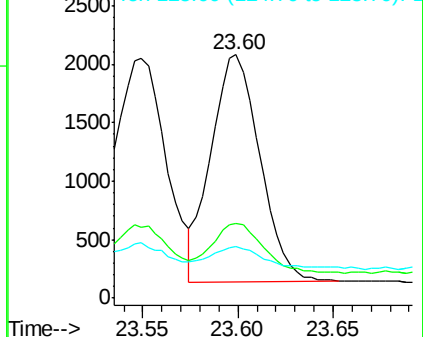
125 21.0 8.0 12.0#



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: 0.304 ng

RT: 24.24 min Scan# 2667

Delta R.T. 0.01 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MS

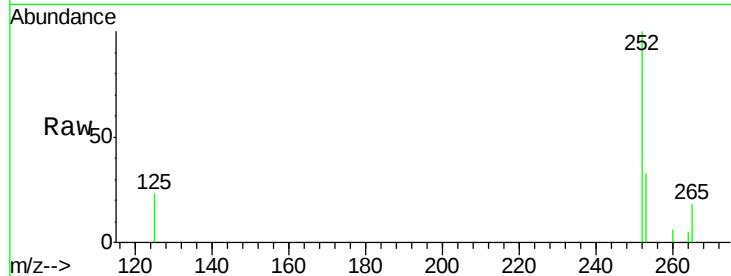
Tgt Ion:252 Resp: 3386

Ion Ratio Lower Upper

252 100

253 32.9 16.0 24.0#

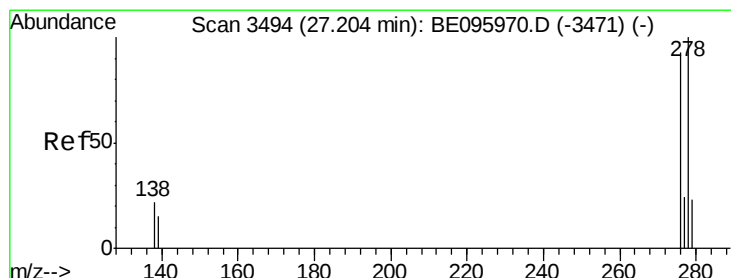
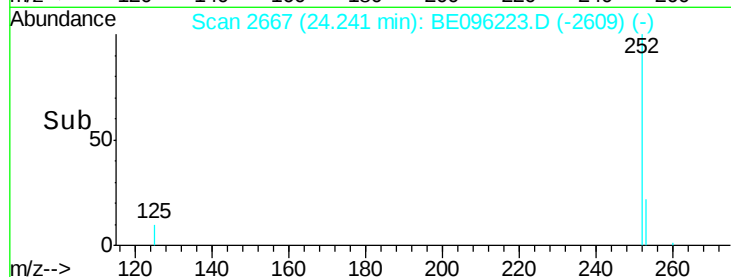
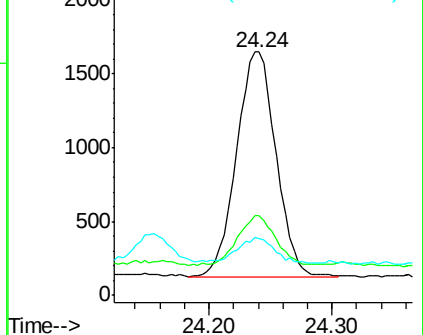
125 23.4 12.0 18.0#



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: 0.237 ng

RT: 27.15 min Scan# 3478

Delta R.T. 0.01 min

Lab File: BE096223.D

Acq: 30 Apr 2018 15:57

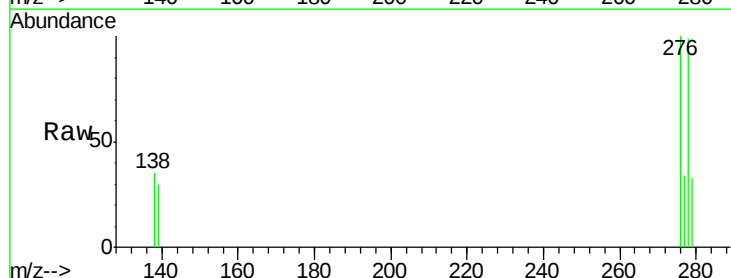
Tgt Ion:278 Resp: 2327

Ion Ratio Lower Upper

278 100

139 30.3 16.0 24.0#

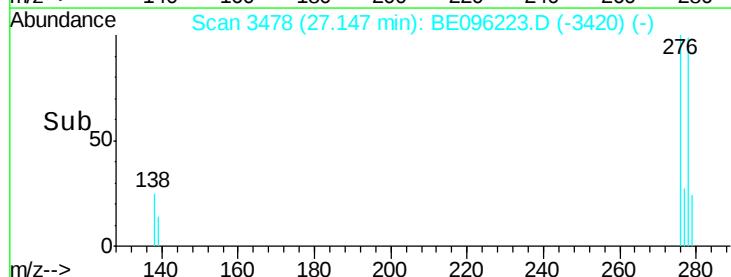
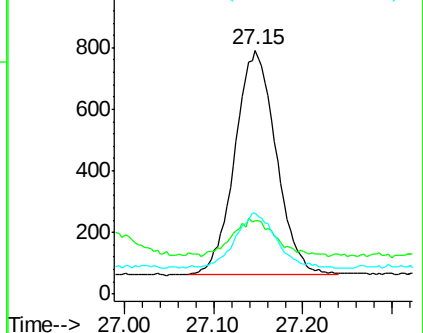
279 33.4 20.0 30.0#

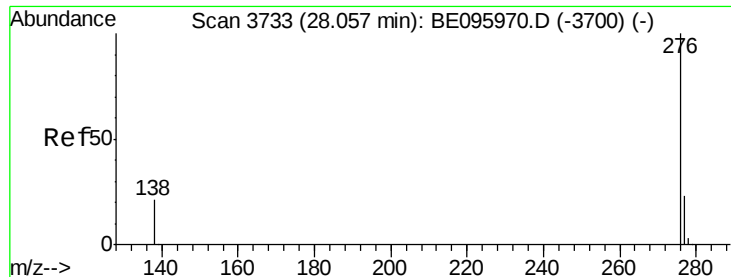


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.238 ng

RT: 28.00 min Scan# 3717

Delta R.T. 0.01 min

Lab File: BE096223.D

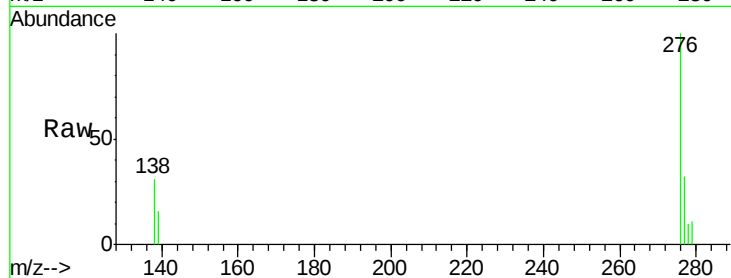
Acq: 30 Apr 2018 15:57

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MS



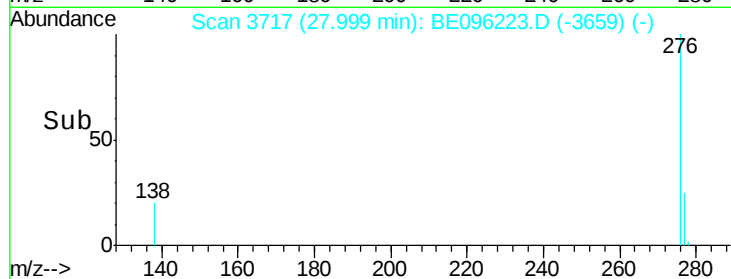
Tgt Ion: 276 Resp: 2474

Ion Ratio Lower Upper

276 100

277 32.3 16.0 24.0#

138 31.4 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

