

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE043018\
 Data File : BE096224.D
 Acq On : 30 Apr 2018 16:33
 Operator : SJ/JU
 Sample : J2463-12MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LF001MW001-180418MSD

Quant Time: May 01 02:28:29 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	807	0.40	ng	0.00
7) Naphthalene-d8	11.20	136	2722	0.40	ng	0.01
13) Acenaphthene-d10	14.93	164	8712	0.40	ng	-0.01
19) Phenanthrene-d10	17.65	188	3578	0.40	ng	0.00
27) Chrysene-d12	21.75	240	3700	0.40	ng	0.01
34) Perylene-d12	24.35	264	3596	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.88	112	618	0.25	ng	0.01
5) Phenol-d6	7.53	99	818	0.24	ng	0.02
8) Nitrobenzene-d5	9.54	82	2525	0.79	ng	0.00
11) 2-Methylnaphthalene-d10	12.74	152	1653	0.38	ng	0.00
14) 2,4,6-Tribromophenol	16.41	330	320	0.08	ng	0.00
15) 2-Fluorobiphenyl	13.59	172	2395	0.06	ng	0.01
25) Fluoranthene-d10	19.64	212	16626	0.34	ng	0.00
29) Terphenyl-d14	20.19	244	2563	0.31	ng	0.00

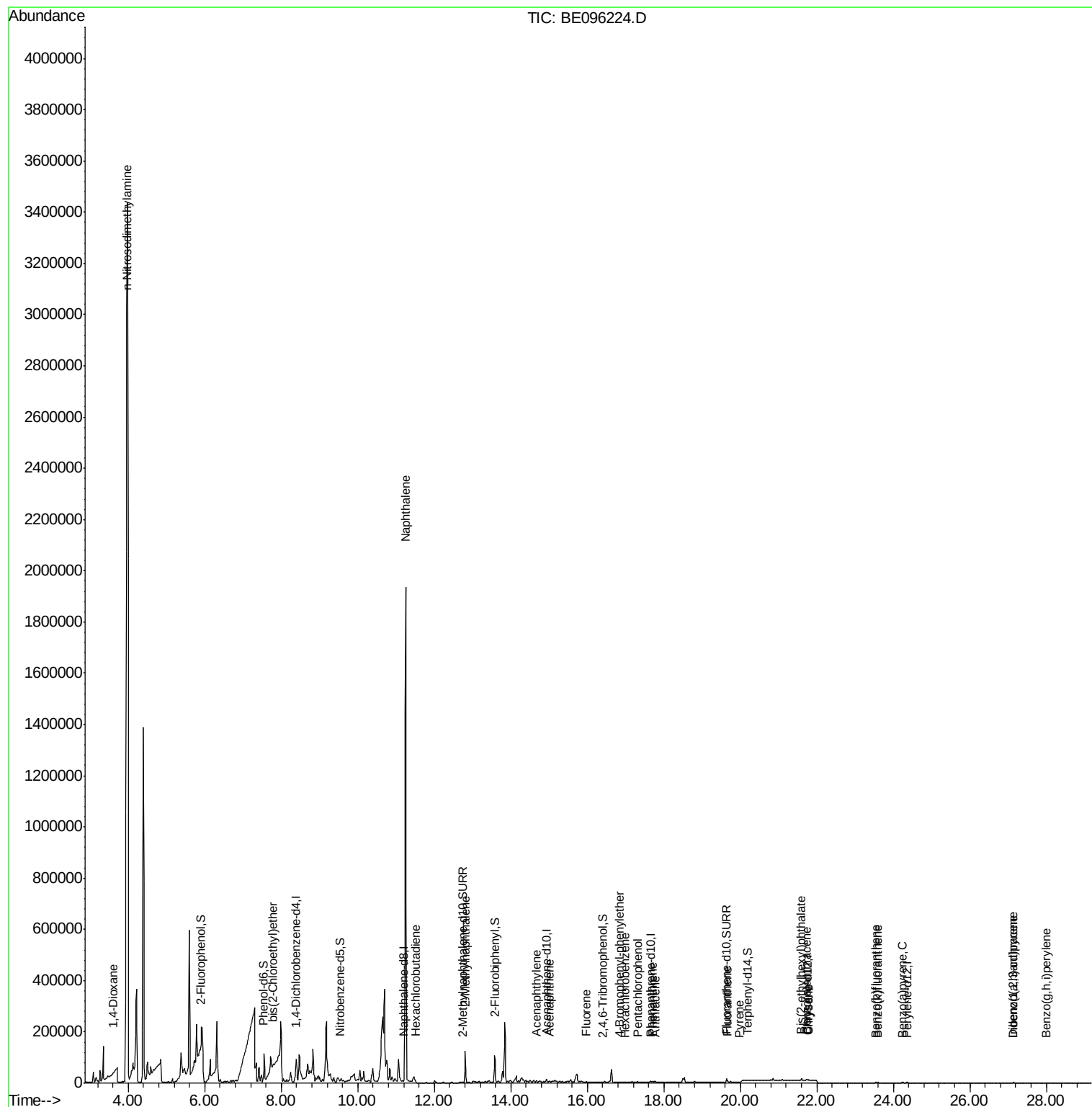
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.61	88	437	0.351	ng	# 1
3) n-Nitrosodimethylamine	3.99	42	642370	420.605	ng	# 1
6) bis(2-Chloroethyl)ether	7.76	93	1103	0.364	ng	# 1
9) Naphthalene	11.26	128	3253495	113.378	ng	99
10) Hexachlorobutadiene	11.50	225	176	0.138	ng	90
12) 2-Methylnaphthalene	12.81	142	81413	17.140	ng	94
16) Acenaphthylene	14.67	152	3746	0.081	ng	# 91
17) Acenaphthene	15.00	154	2159	0.077	ng	# 92
18) Fluorene	15.97	166	4034	0.117	ng	# 81
20) 4-Bromophenyl-phenylether	16.85	248	755	0.355	ng	# 38
21) Hexachlorobenzene	16.97	284	684	0.323	ng	# 77
22) Pentachlorophenol	17.31	266	920	1.077	ng	# 75
23) Phenanthrene	17.70	178	4515	0.449	ng	97
24) Anthracene	17.78	178	3858	0.402	ng	# 92
26) Fluoranthene	19.66	202	5249	0.397	ng	# 25
28) Pyrene	19.97	202	541	0.074	ng	# 78
30) Benzo(a)anthracene	21.73	228	4399	0.371	ng	# 92
31) Chrysene	21.79	228	3928	0.343	ng	# 87
32) Bis(2-ethylhexyl)phthalate	21.60	149	12003	0.392	ng	99
33) Indeno(1,2,3-cd)pyrene	27.13	276	2708	0.244	ng	95
35) Benzo(b)fluoranthene	23.55	252	3302	0.306	ng	# 87
36) Benzo(k)fluoranthene	23.60	252	3112	0.280	ng	# 67
37) Benzo(a)pyrene	24.24	252	2980	0.287	ng	# 71
38) Dibenzo(a,h)anthracene	27.15	278	2203	0.241	ng	# 76
39) Benzo(g,h,i)perylene	28.00	276	2294	0.237	ng	# 83

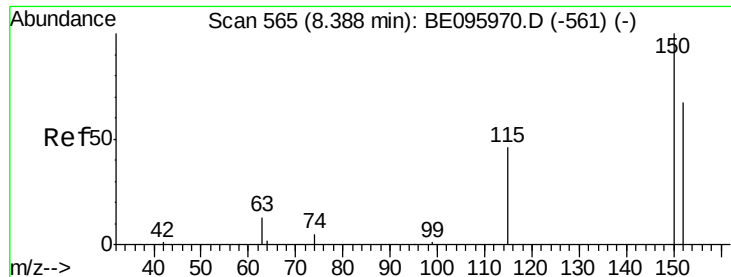
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE096224.D

Acq: 30 Apr 2018 16:33

Instrument :

BNA_E

ClientSampleId :

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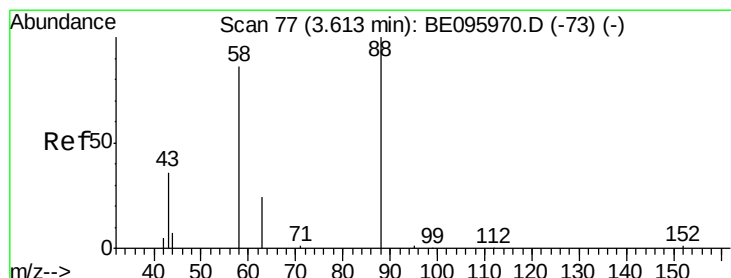
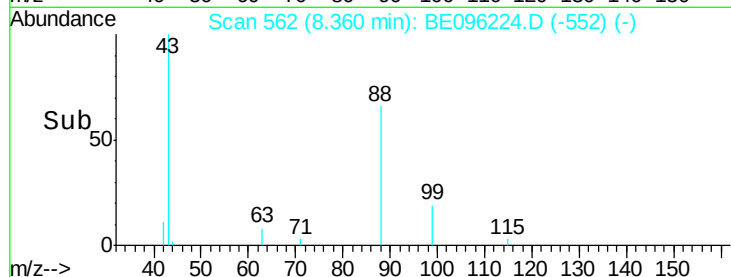
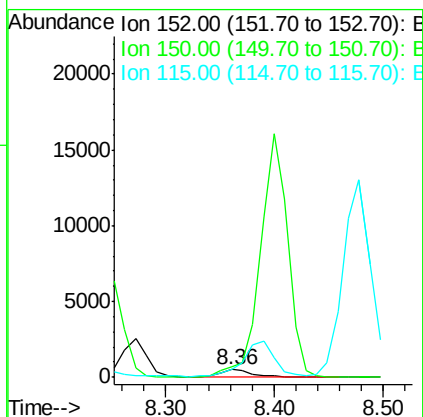
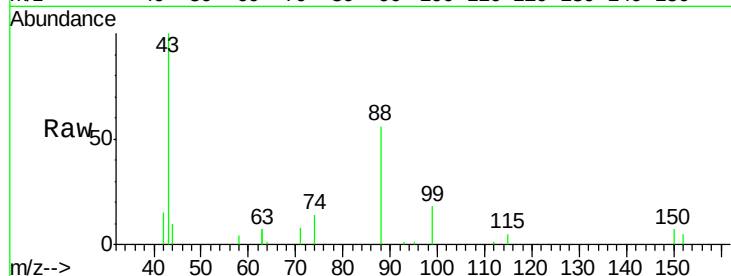
Tgt Ion:152 Resp: 807

Ion Ratio Lower Upper

152 100

150 144.9 117.2 175.8

115 102.2 57.0 85.6#



#2

1,4-Dioxane

Concen: 0.351 ng

RT: 3.61 min Scan# 76

Delta R.T. 0.00 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

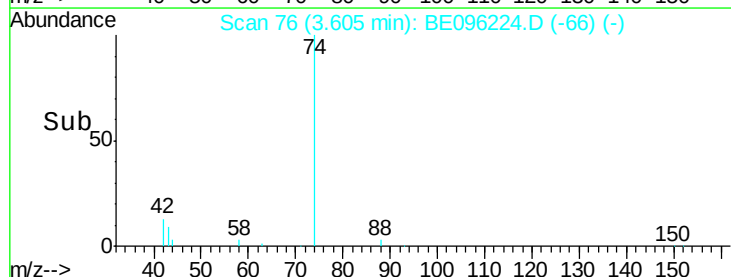
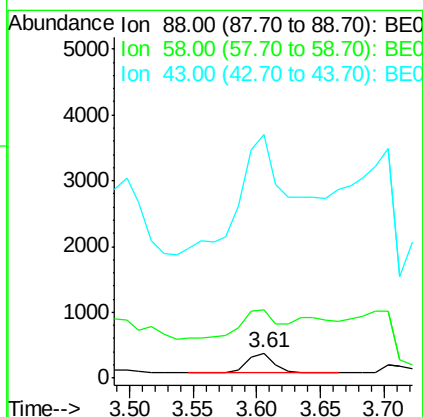
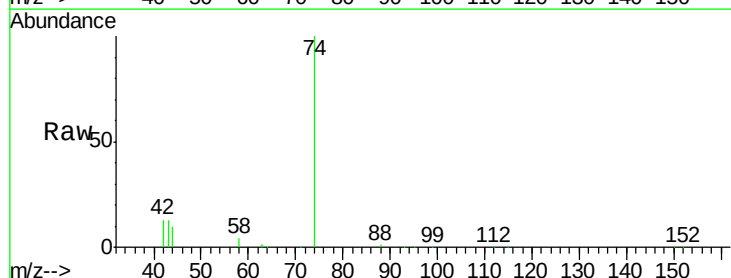
Tgt Ion: 88 Resp: 437

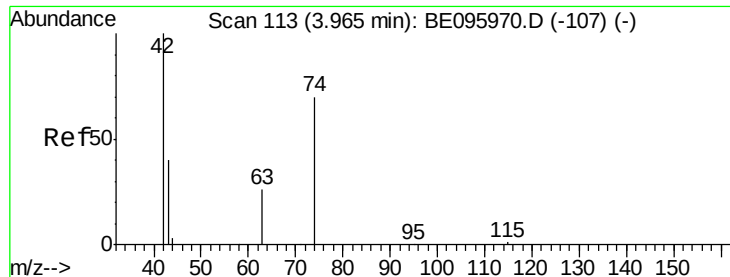
Ion Ratio Lower Upper

88 100

58 201.8 63.2 94.8#

43 1160.9 41.2 61.8#





#3

n-Nitrosodimethylamine

Concen: 420.605 ng

RT: 3.99 min Scan# 115

Delta R.T. 0.03 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

Instrument :

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ClientSampleId :

LF001MW001-180418MSD

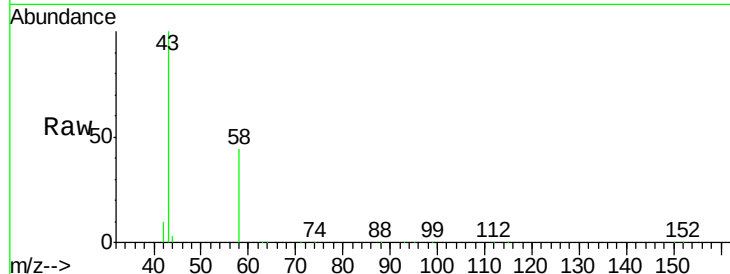
Tgt Ion: 42 Resp: 642370

Ion Ratio Lower Upper

42 100

74 0.5 96.0 144.0#

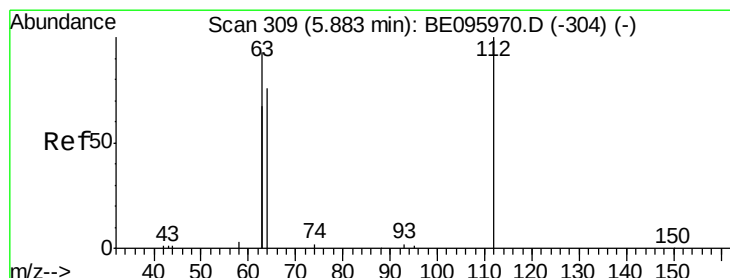
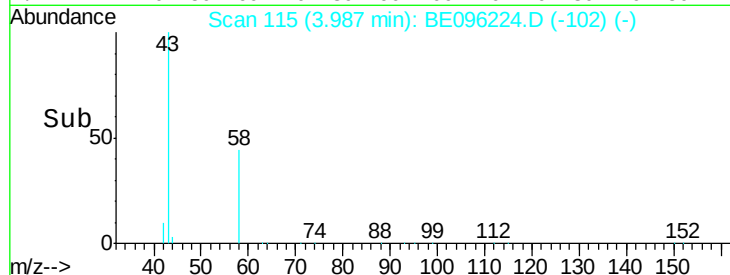
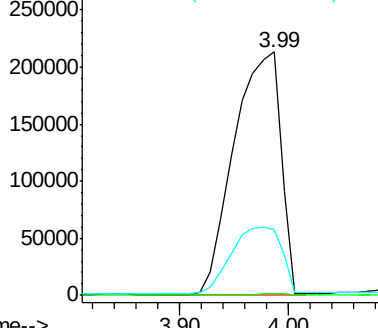
44 29.2 12.0 18.0#



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: 0.248 ng

RT: 5.88 min Scan# 308

Delta R.T. 0.01 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

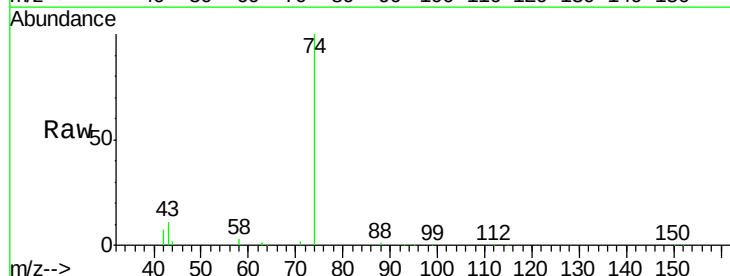
Tgt Ion: 112 Resp: 618

Ion Ratio Lower Upper

112 100

64 0.0 60.1 90.1#

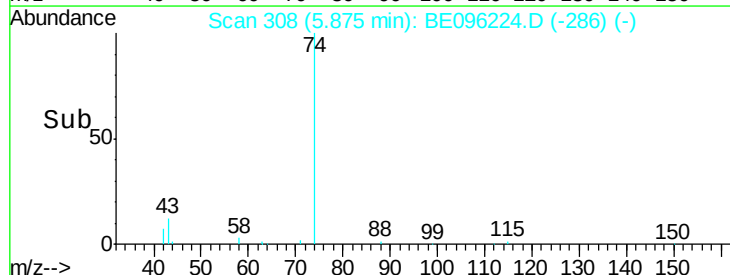
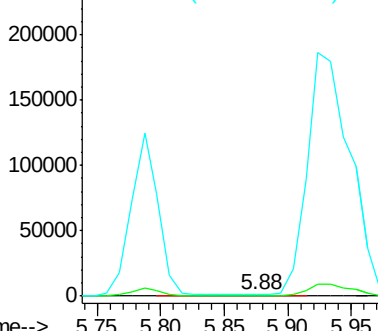
63 0.0 116.8 175.2#

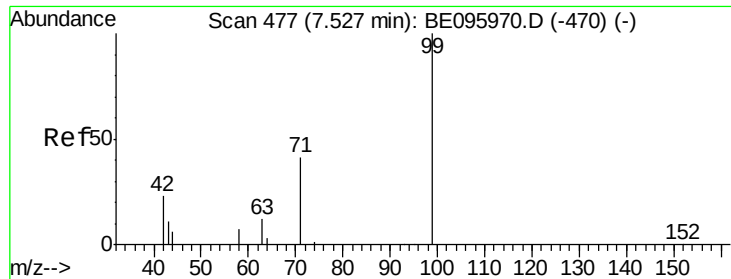


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.238 ng

RT: 7.53 min Scan# 477

Delta R.T. 0.02 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MSD

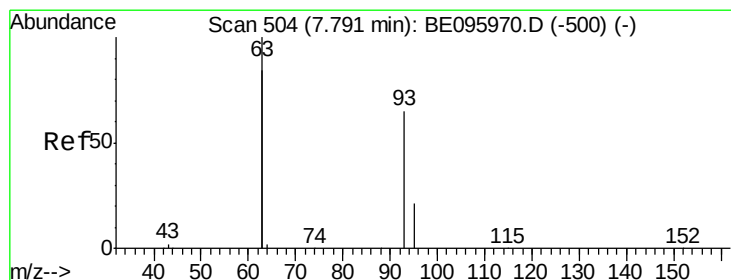
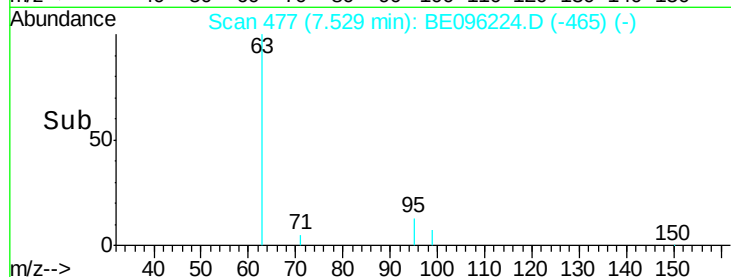
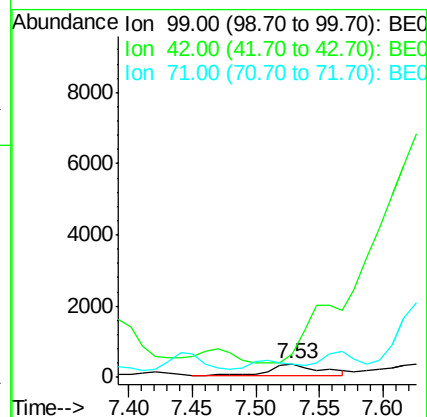
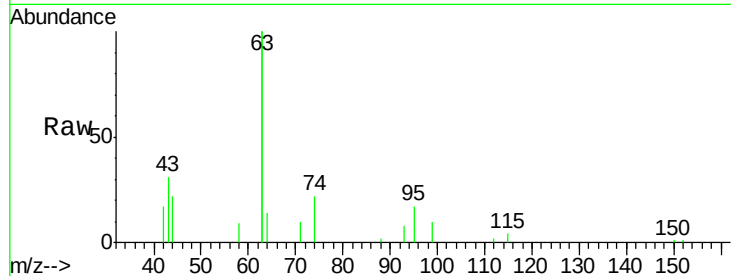
Tgt Ion: 99 Resp: 818

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

71 67.7 28.4 42.6#



#6

bis(2-Chloroethyl)ether

Concen: 0.364 ng

RT: 7.76 min Scan# 501

Delta R.T. 0.00 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

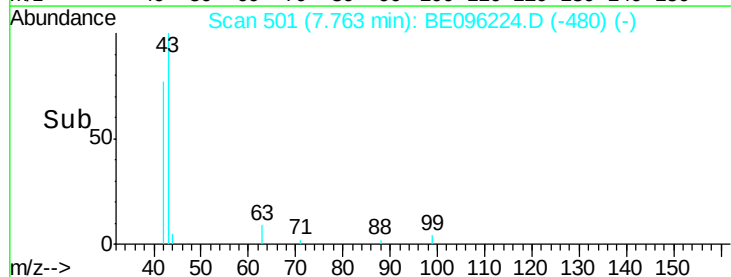
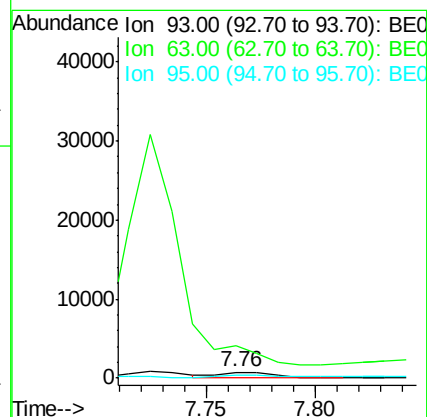
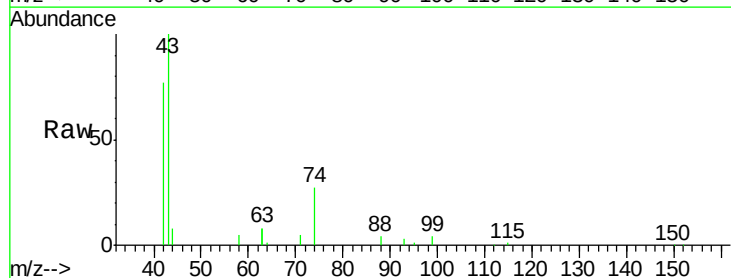
Tgt Ion: 93 Resp: 1103

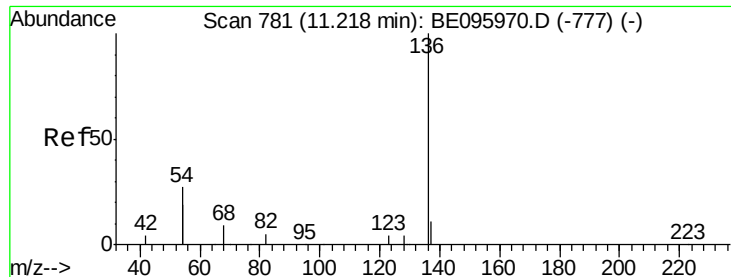
Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

95 34.6 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: BE096224.D

Acq: 30 Apr 2018 16:33

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MSD

Tgt Ion: 136 Resp: 2722

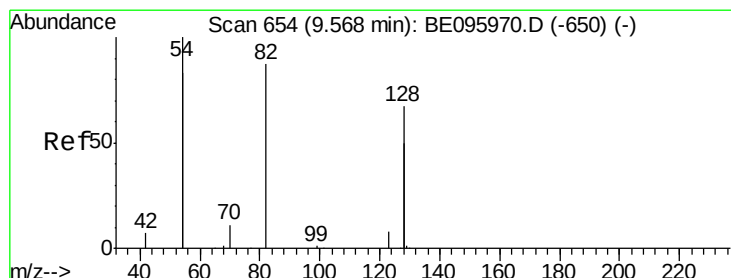
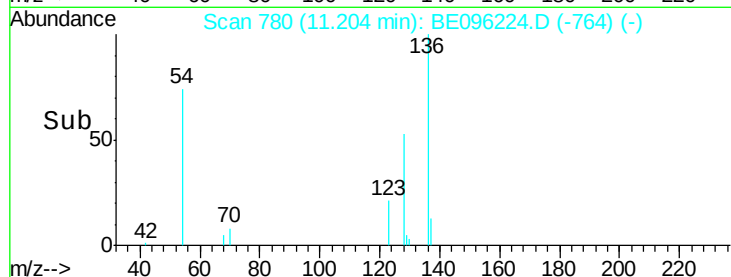
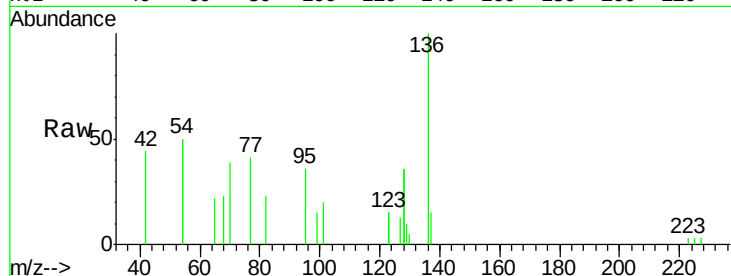
Ion Ratio Lower Upper

136 100

137 15.4 9.5 14.3#

54 100.7 29.1 43.7#

68 23.0 6.2 9.2#



#8

Nitrobenzene-d5

Concen: 0.791 ng

RT: 9.54 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

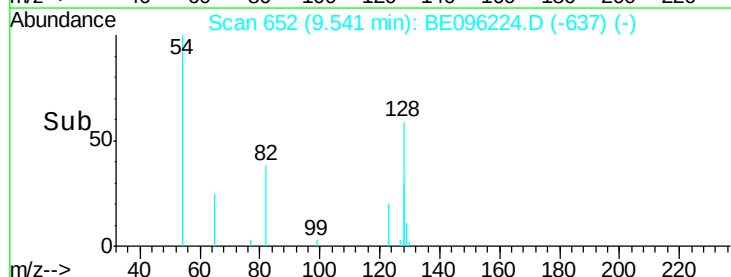
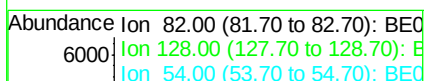
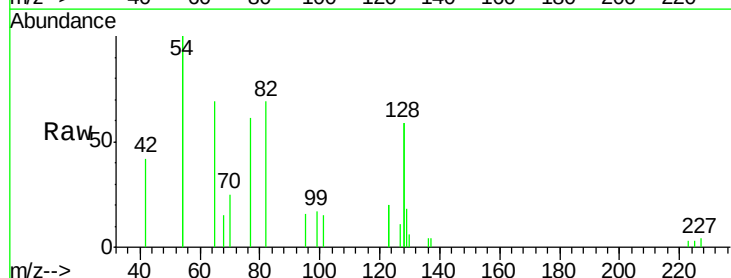
Tgt Ion: 82 Resp: 2525

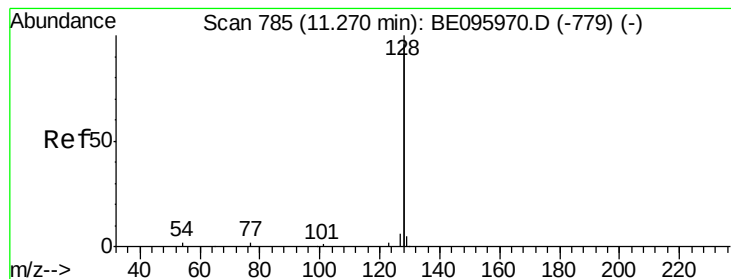
Ion Ratio Lower Upper

82 100

128 171.1 150.0 225.0

54 290.9 154.2 231.4#





#9

Naphthalene

Concen: 113.378 ng

RT: 11.26 min Scan# 784

Delta R.T. 0.01 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MSD

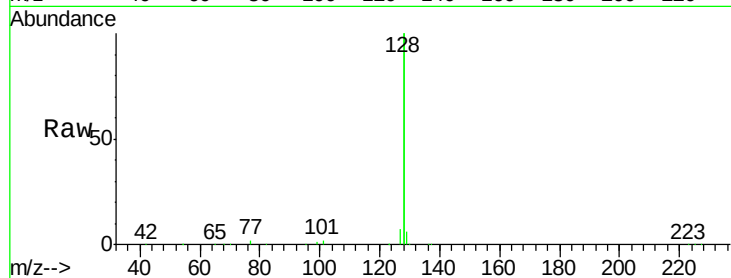
Tgt Ion:128 Resp: 3253495

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

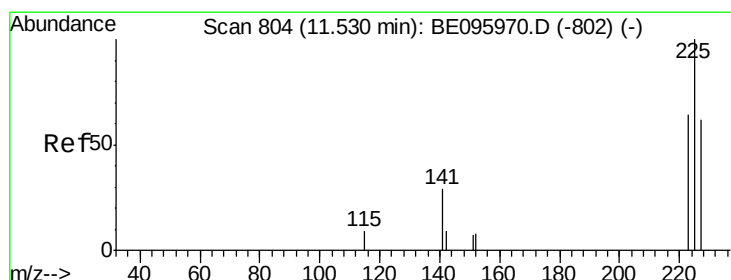
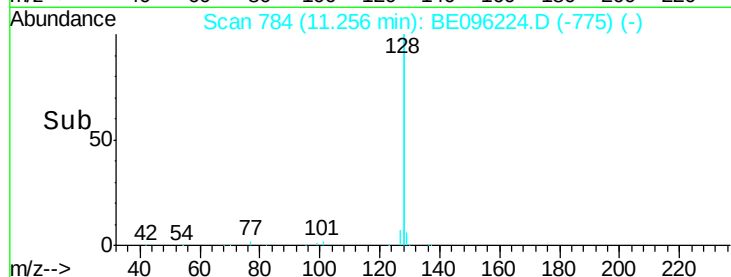
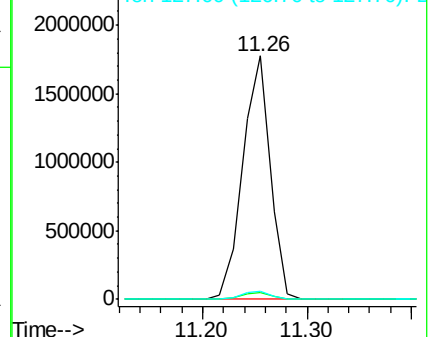
127 3.4 2.8 4.2



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: 0.138 ng

RT: 11.50 min Scan# 803

Delta R.T. -0.00 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

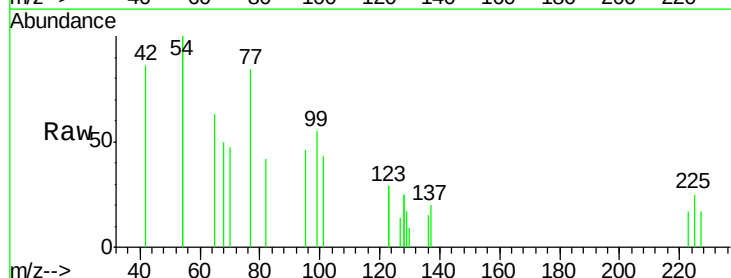
Tgt Ion:225 Resp: 176

Ion Ratio Lower Upper

225 100

223 53.4 53.0 79.6

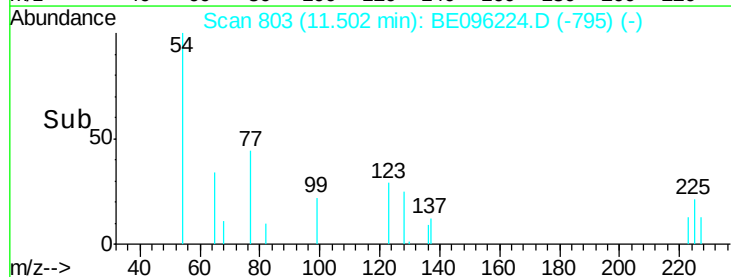
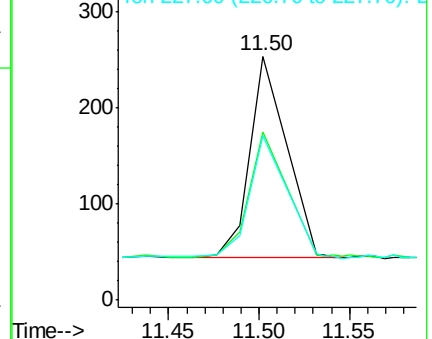
227 66.5 51.4 77.2

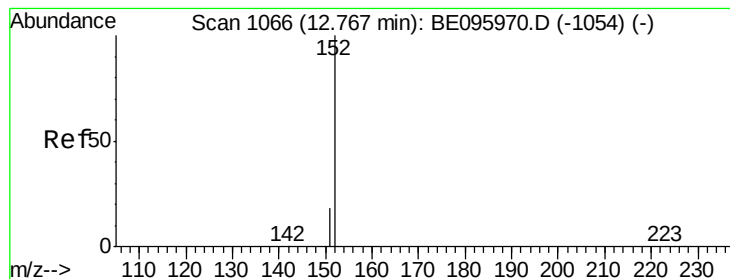


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.383 ng

RT: 12.74 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

Instrument :

BNA_E

ClientSampleId :

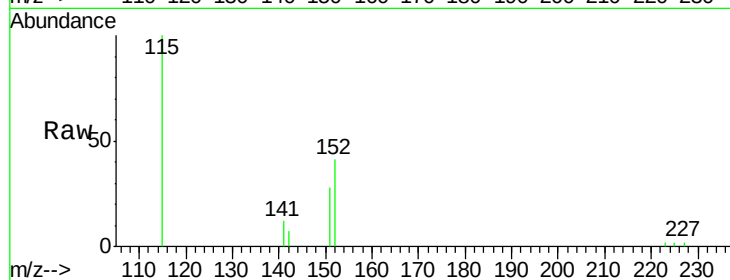
LF001MW001-180418MSD

Tgt Ion:152 Resp: 1653

Ion Ratio Lower Upper

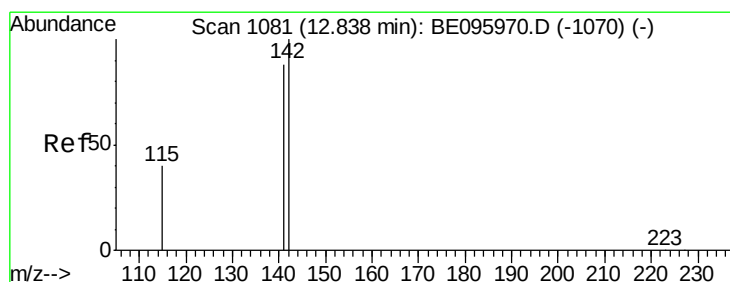
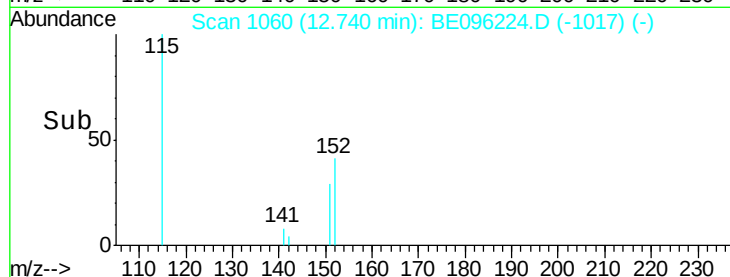
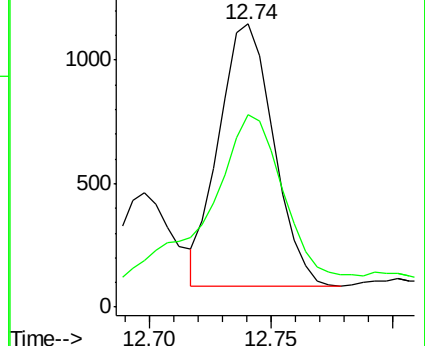
152 100

151 97.3 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: 17.140 ng

RT: 12.81 min Scan# 1075

Delta R.T. 0.00 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

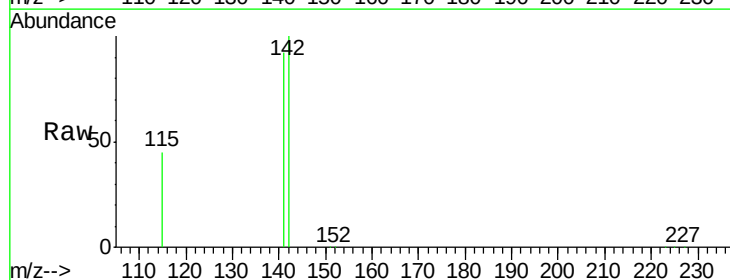
Tgt Ion:142 Resp: 81413

Ion Ratio Lower Upper

142 100

141 91.8 70.4 105.6

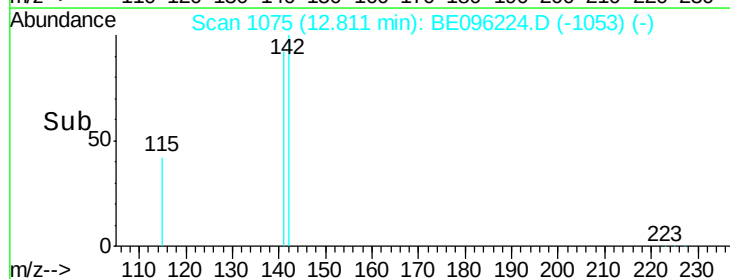
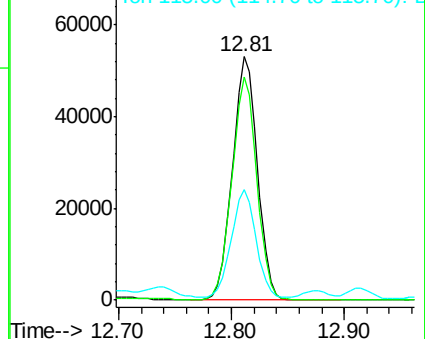
115 45.3 31.7 47.5

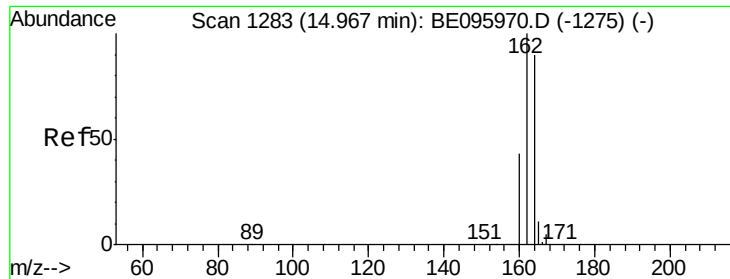


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.93 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

Instrument :

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ClientSampleId :

LF001MW001-180418MSD

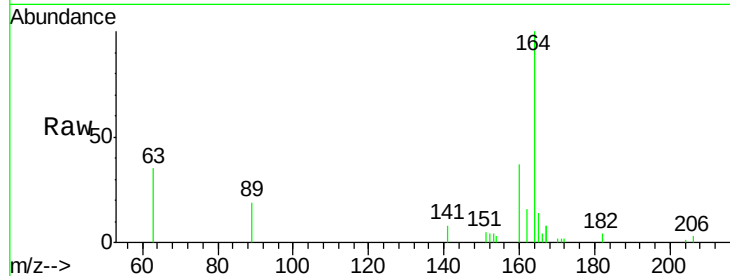
Tgt Ion:164 Resp: 8712

Ion Ratio Lower Upper

164 100

162 16.4 83.1 124.7#

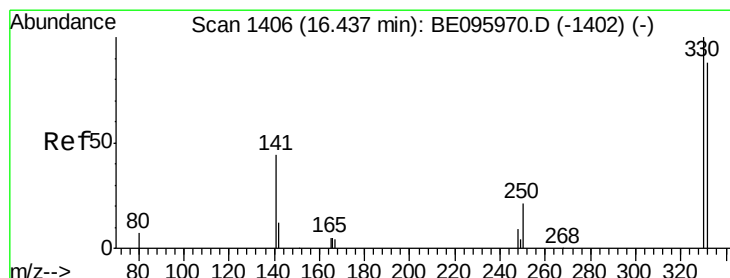
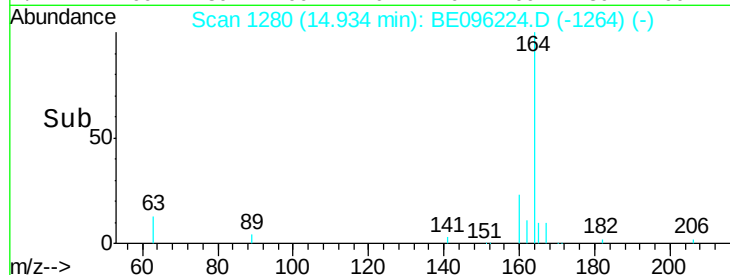
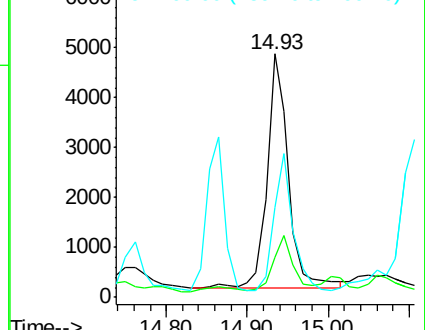
160 36.8 37.1 55.7#



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: 0.076 ng

RT: 16.41 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

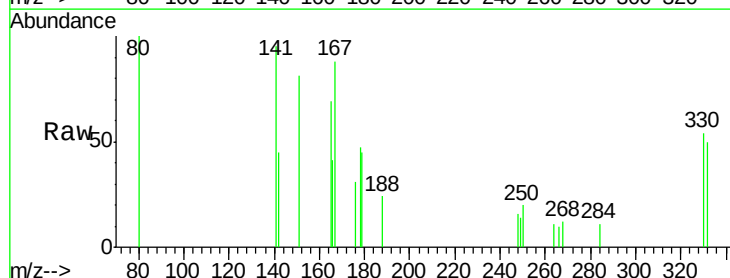
Tgt Ion:330 Resp: 320

Ion Ratio Lower Upper

330 100

332 96.9 152.7 229.1#

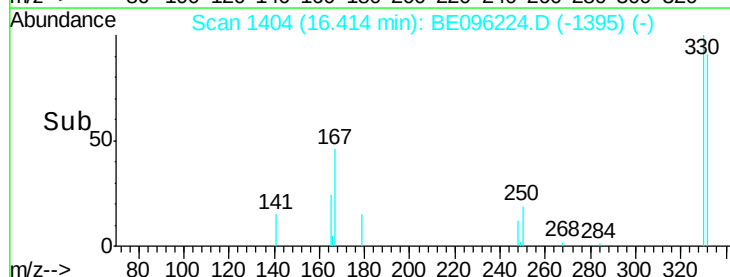
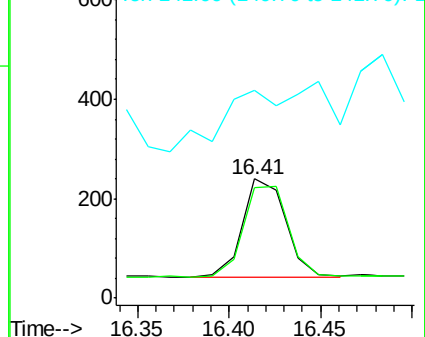
141 84.1 33.7 50.5#

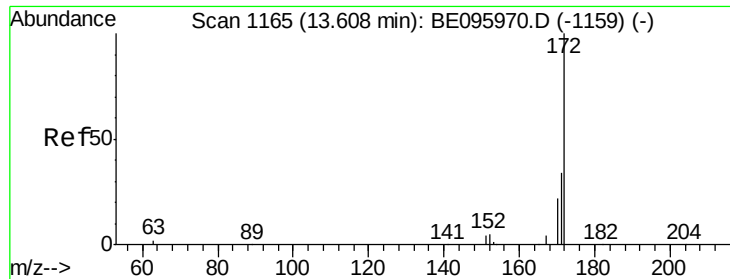


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

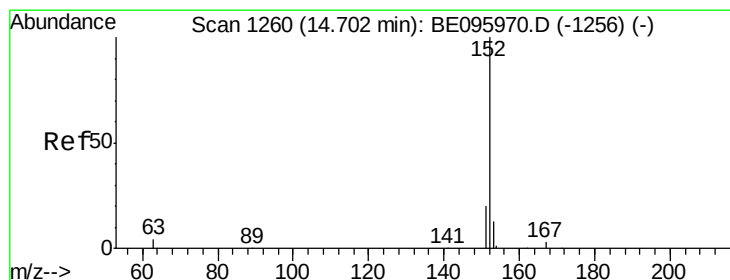
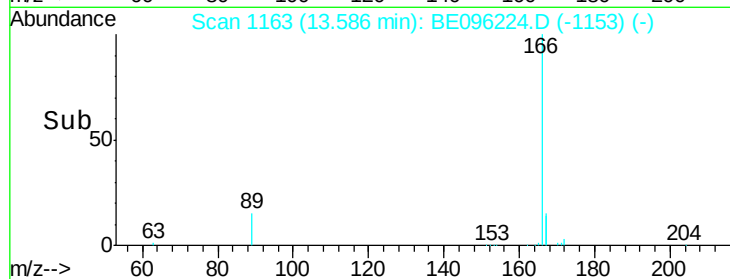
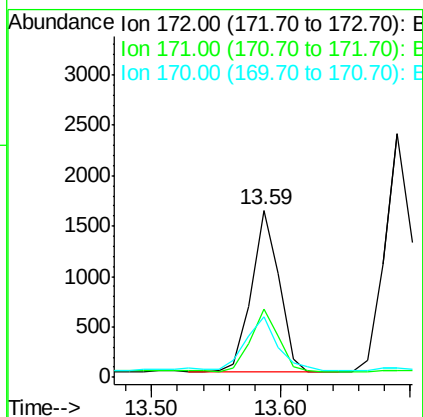
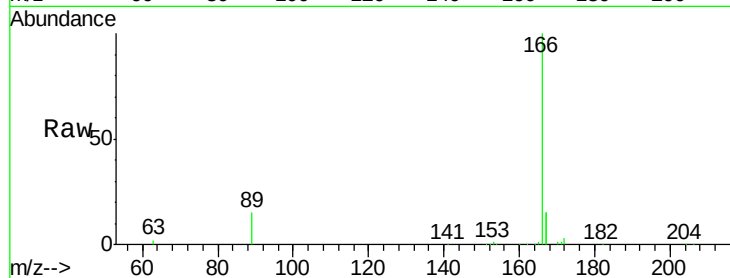




#15
2-Fluorobiphenyl
Concen: 0.064 ng
RT: 13.59 min Scan# 1163
Delta R.T. 0.01 min
Lab File: BE096224.D
Acq: 30 Apr 2018 16:33

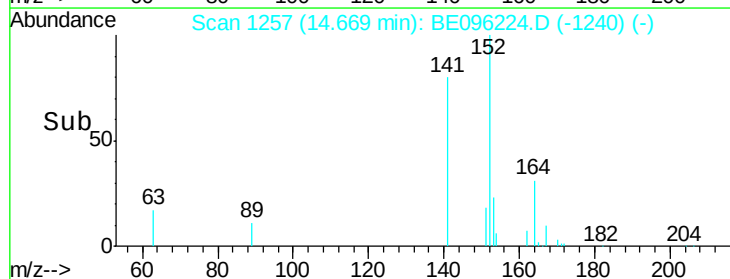
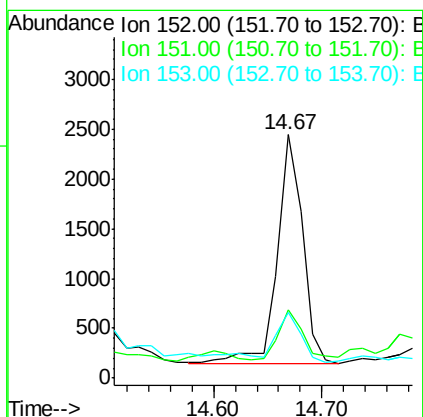
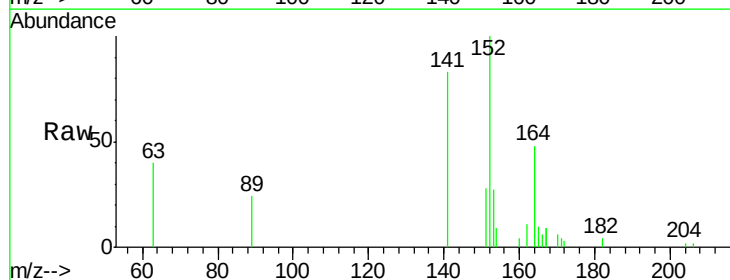
Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418MSD

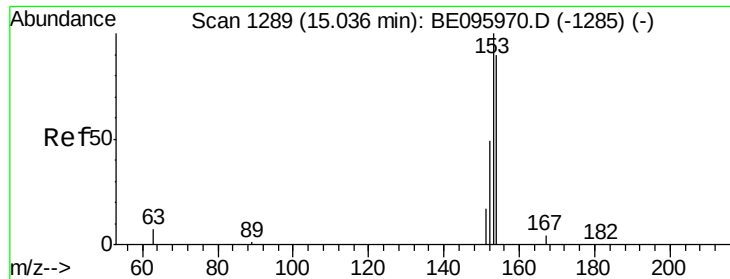
Tgt Ion: 172 Resp: 2395
Ion Ratio Lower Upper
172 100
171 40.8 29.9 44.9
170 36.4 21.8 32.8#



#16
Acenaphthylene
Concen: 0.081 ng
RT: 14.67 min Scan# 1257
Delta R.T. 0.00 min
Lab File: BE096224.D
Acq: 30 Apr 2018 16:33

Tgt Ion: 152 Resp: 3746
Ion Ratio Lower Upper
152 100
151 20.8 15.7 23.5
153 21.0 10.5 15.7#

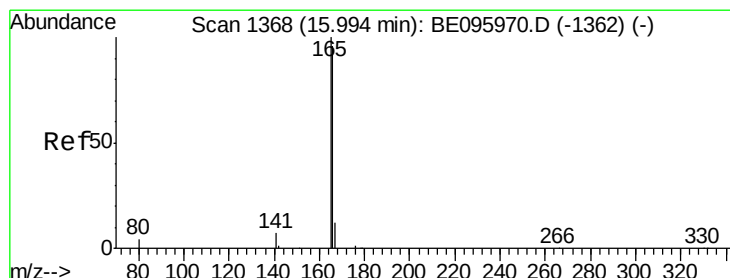
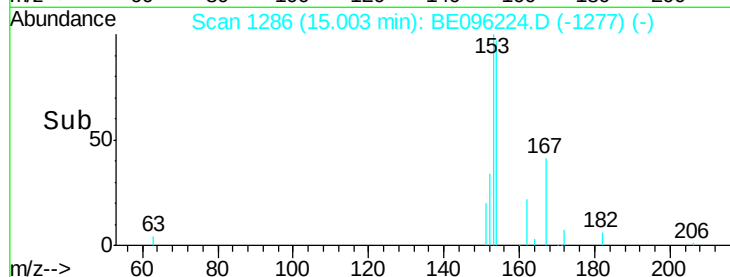
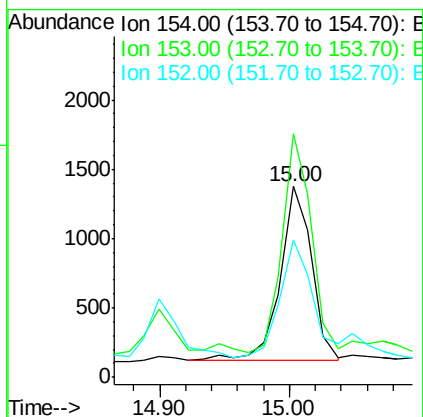
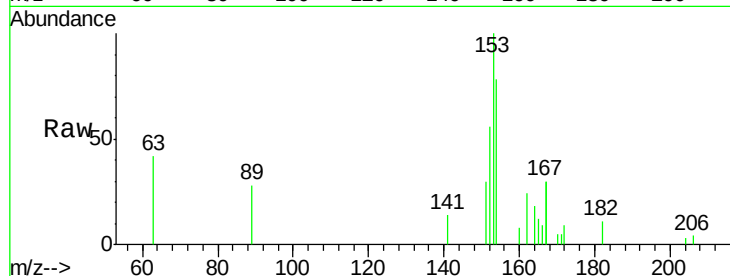




#17
Acenaphthene
Concen: 0.077 ng
RT: 15.00 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BE096224.D
Acq: 30 Apr 2018 16:33

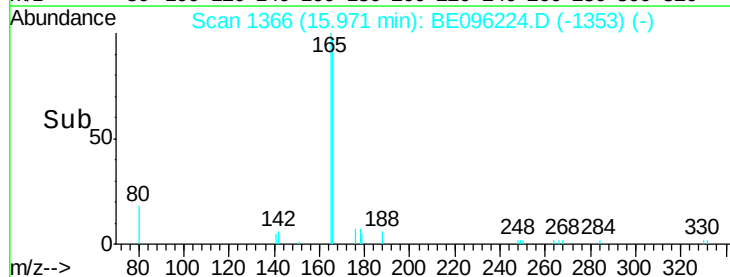
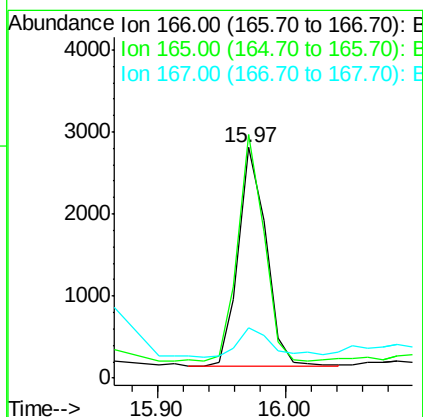
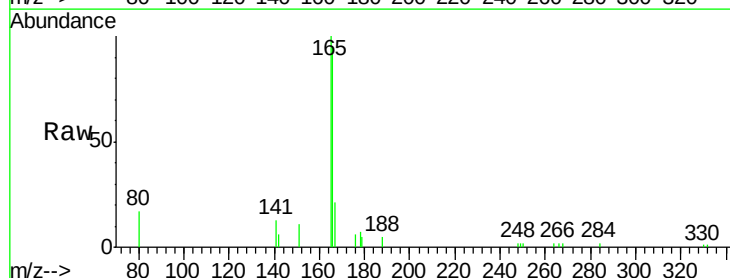
Instrument :
BNA_E
ClientSampleId :
LF001MW001-180418MSD

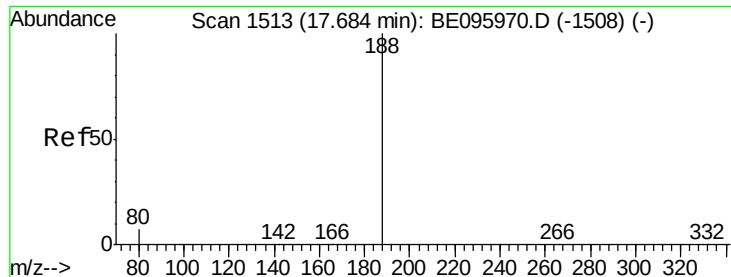
Tgt Ion:154 Resp: 2159
Ion Ratio Lower Upper
154 100
153 113.1 89.2 133.8
152 68.5 42.0 63.0#



#18
Fluorene
Concen: 0.117 ng
RT: 15.97 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BE096224.D
Acq: 30 Apr 2018 16:33

Tgt Ion:166 Resp: 4034
Ion Ratio Lower Upper
166 100
165 96.8 77.8 116.6
167 16.4 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.65 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MSD

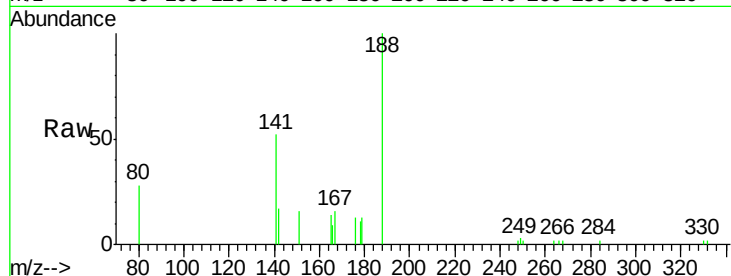
Tgt Ion:188 Resp: 3578

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

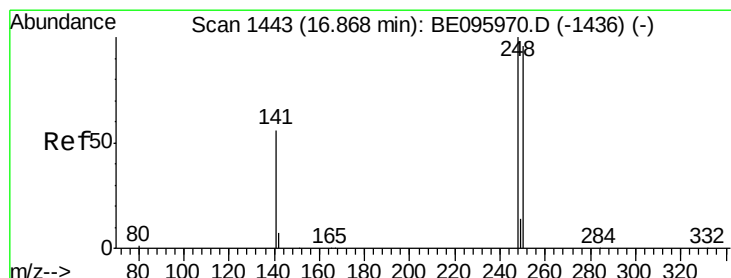
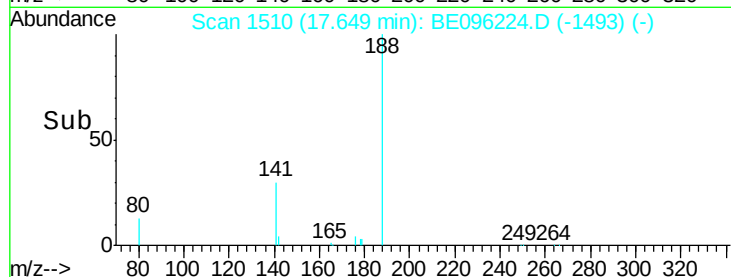
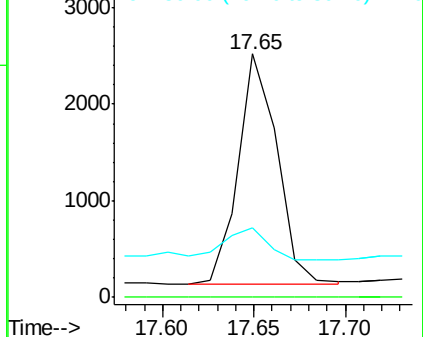
80 28.3 3.6 5.4#



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: 0.355 ng

RT: 16.85 min Scan# 1441

Delta R.T. 0.01 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

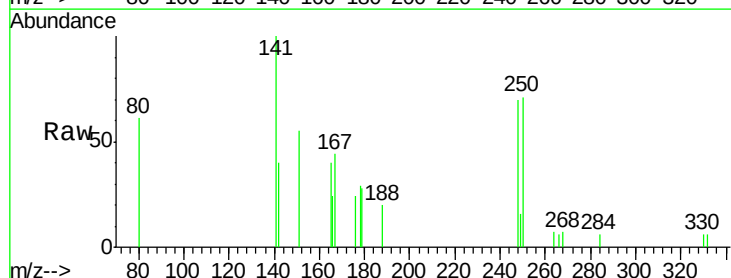
Tgt Ion:248 Resp: 755

Ion Ratio Lower Upper

248 100

250 101.4 62.7 94.1#

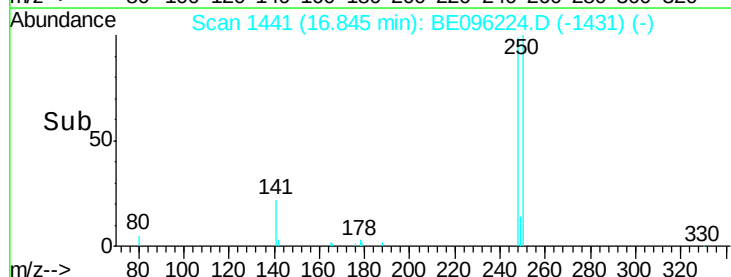
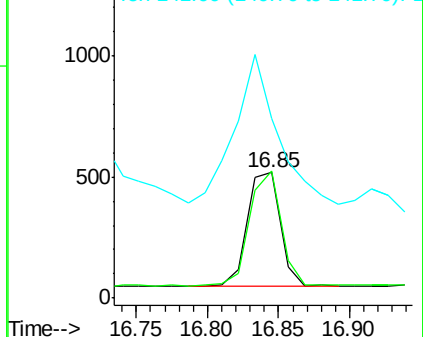
141 143.1 48.2 72.2#

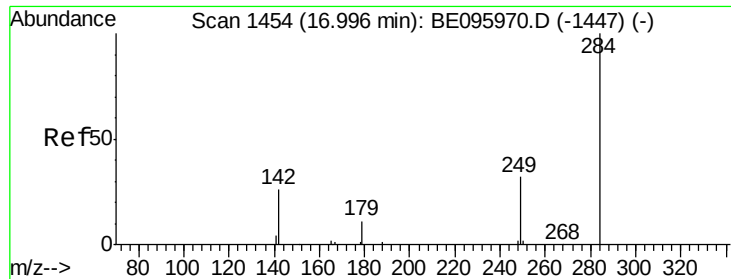


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.323 ng

RT: 16.97 min Scan# 1452

Delta R.T. 0.00 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MSD

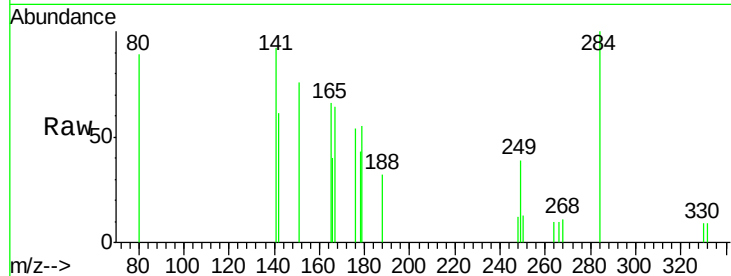
Tgt Ion: 284 Resp: 684

Ion Ratio Lower Upper

284 100

142 50.4 22.1 33.1#

249 36.8 34.8 52.2

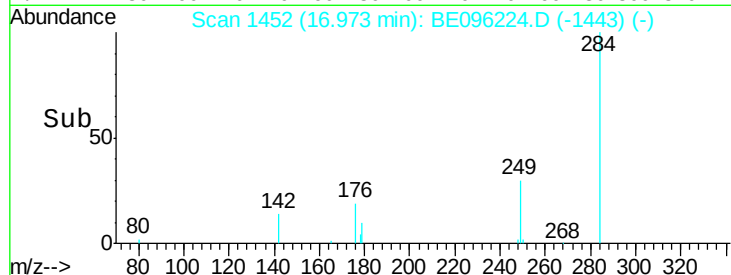


Abundance Ion 283.80 (283.50 to 284.50): E

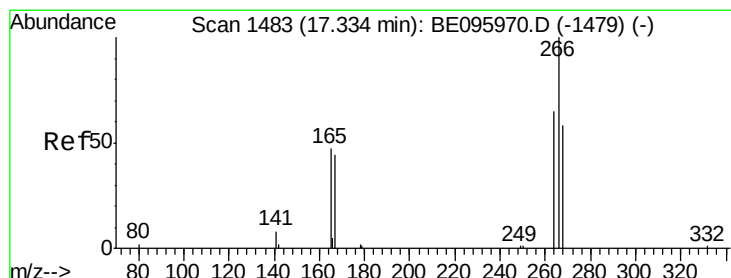
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

Time-->



Time-->



#22

Pentachlorophenol

Concen: 1.077 ng

RT: 17.31 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

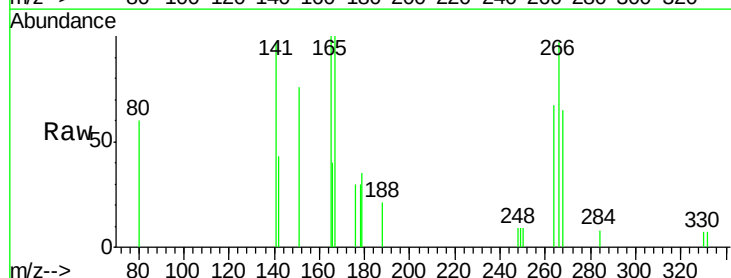
Tgt Ion: 266 Resp: 920

Ion Ratio Lower Upper

266 100

264 69.1 72.5 108.7#

268 66.6 73.8 110.6#

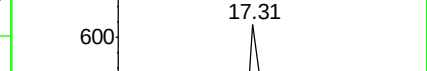
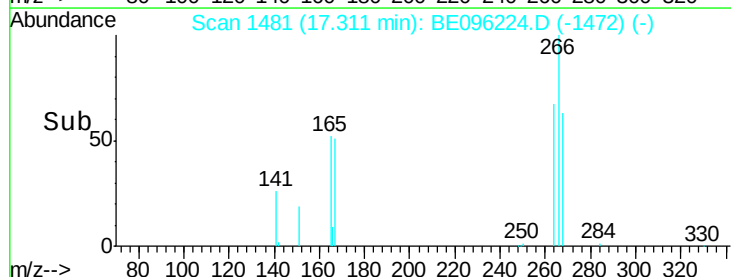


Abundance Ion 266.00 (265.70 to 266.70): E

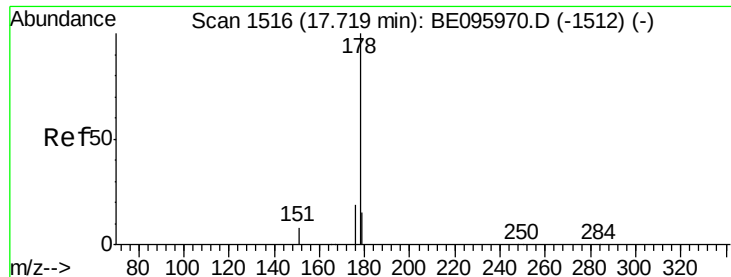
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

Time-->



Time-->



#23

Phenanthrene

Concen: 0.449 ng

RT: 17.70 min Scan# 1514

Delta R.T. 0.00 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MSD

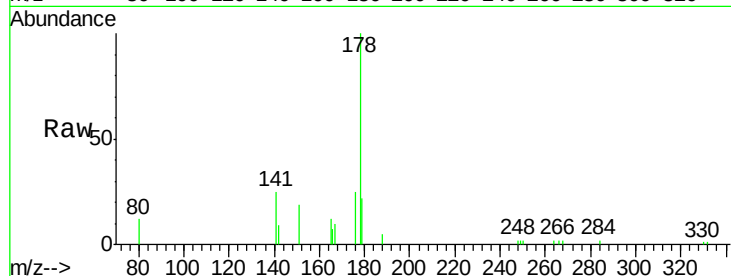
Tgt Ion:178 Resp: 4515

Ion Ratio Lower Upper

178 100

176 20.3 15.1 22.7

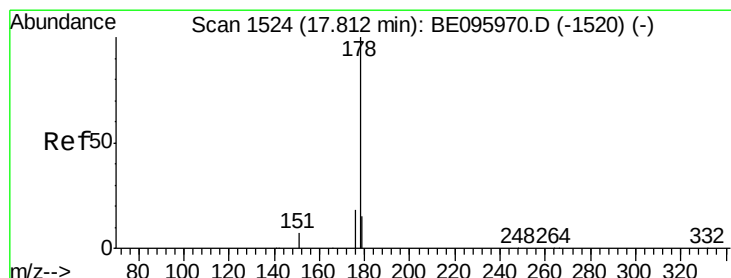
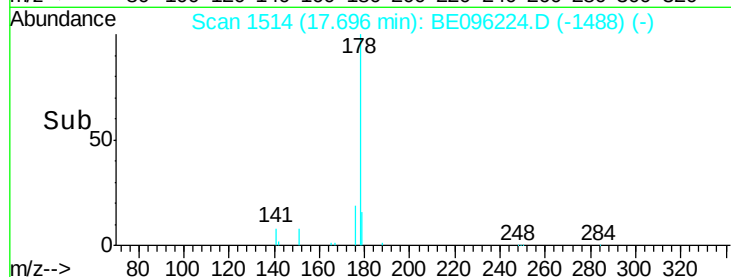
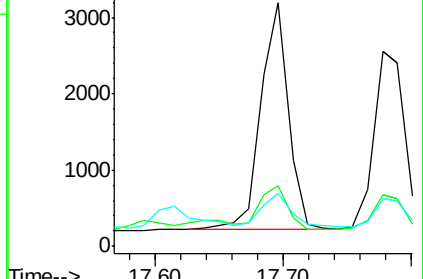
179 16.0 11.8 17.6



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: 0.402 ng

RT: 17.78 min Scan# 1521

Delta R.T. 0.00 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

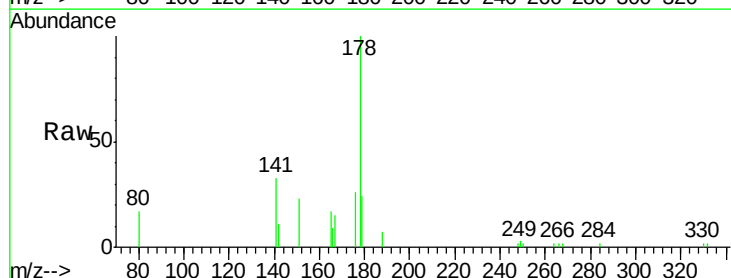
Tgt Ion:178 Resp: 3858

Ion Ratio Lower Upper

178 100

176 22.3 12.8 19.2#

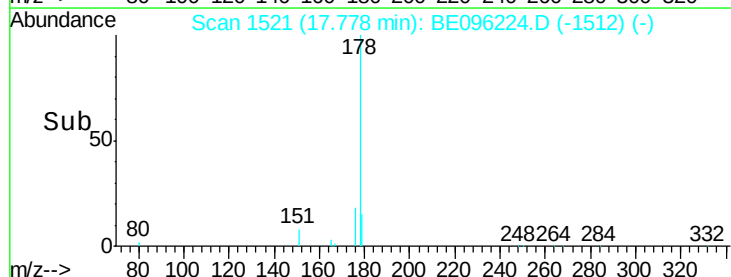
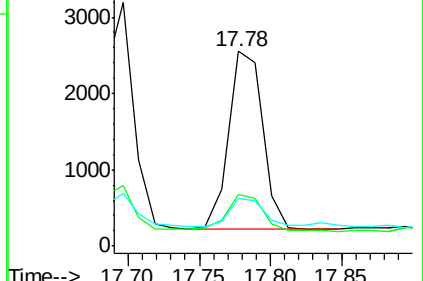
179 16.1 13.0 19.6

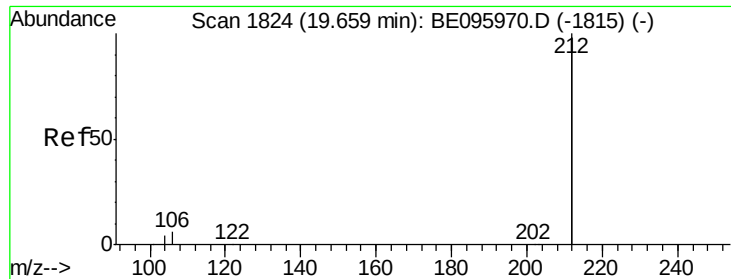


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.342 ng

RT: 19.64 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MSD

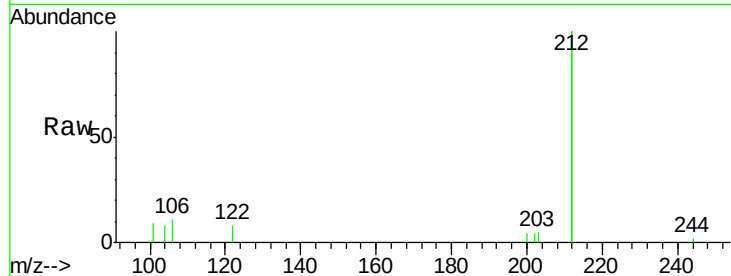
Tgt Ion:212 Resp: 16626

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

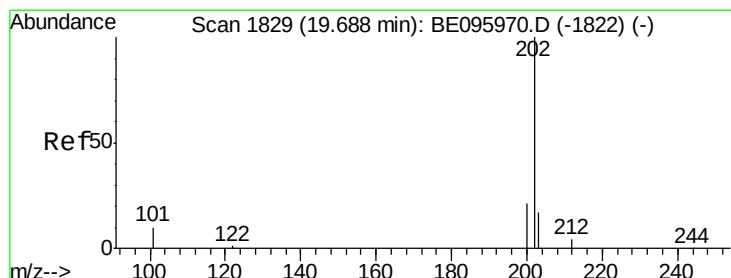
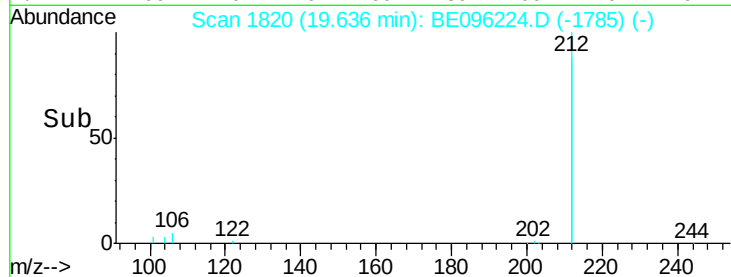
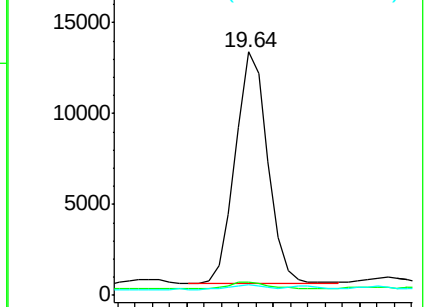
104 2.1 1.6 2.4



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: 0.397 ng

RT: 19.66 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

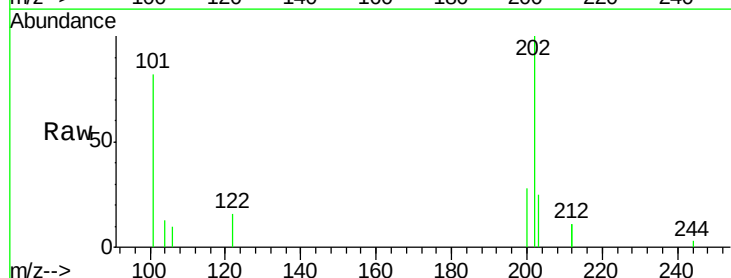
Tgt Ion:202 Resp: 5249

Ion Ratio Lower Upper

202 100

101 82.0 9.8 14.8#

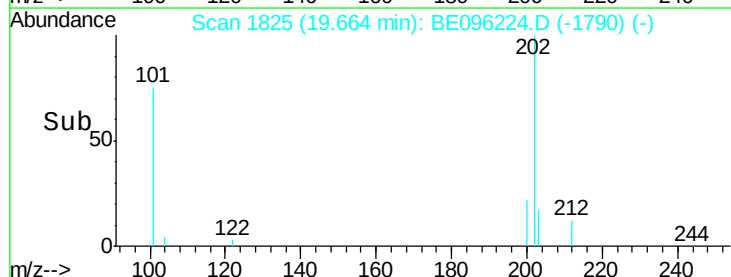
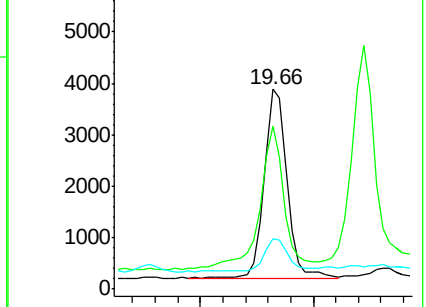
203 17.7 13.7 20.5

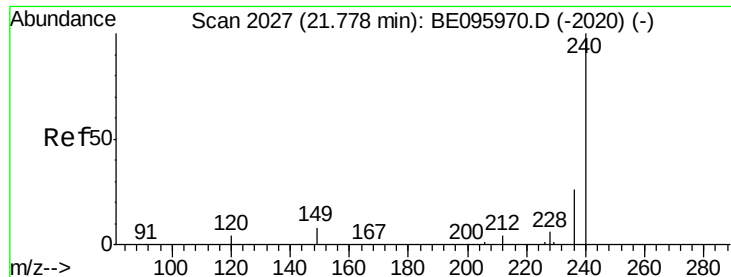


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE096224.D

Acq: 30 Apr 2018 16:33

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MSD

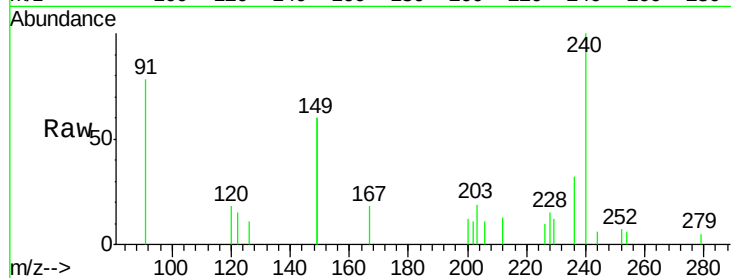
Tgt Ion:240 Resp: 3700

Ion Ratio Lower Upper

240 100

120 18.0 5.5 8.3#

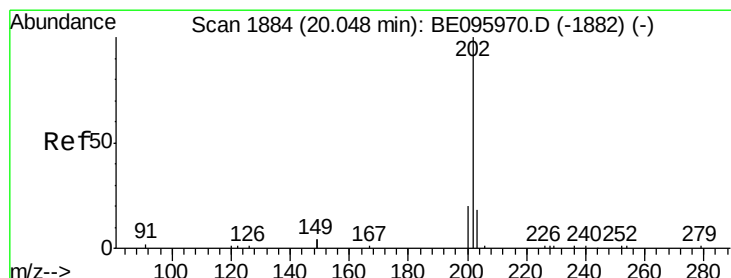
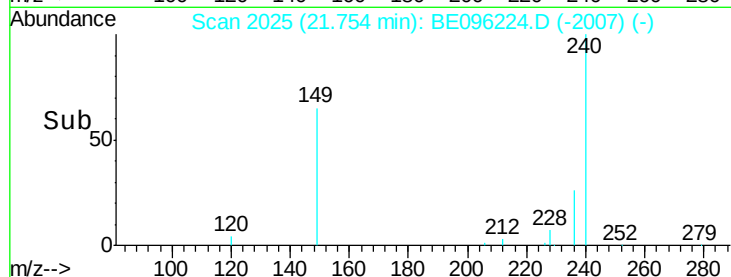
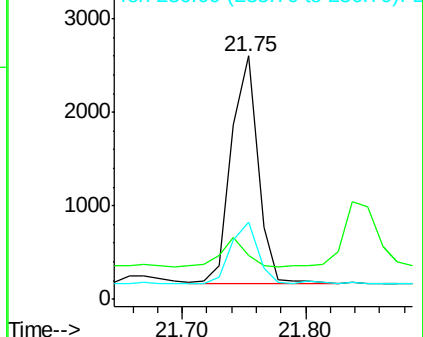
236 31.5 20.7 31.1#



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: 0.074 ng

RT: 19.97 min Scan# 1879

Delta R.T. -0.02 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

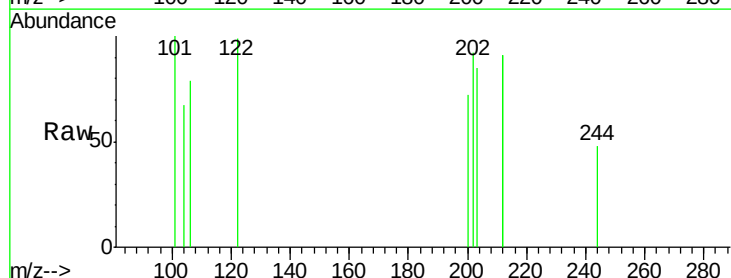
Tgt Ion:202 Resp: 541

Ion Ratio Lower Upper

202 100

200 17.7 16.6 25.0

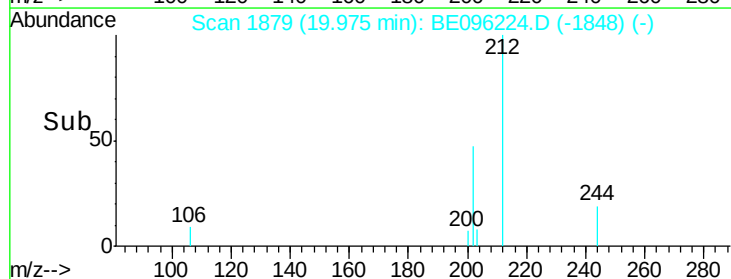
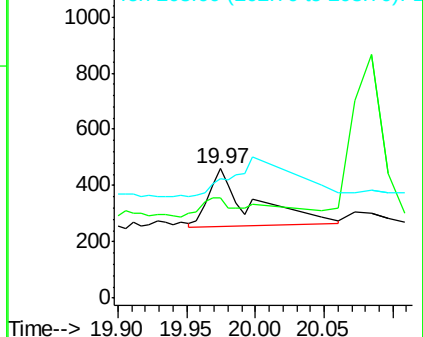
203 0.0 13.8 20.8#

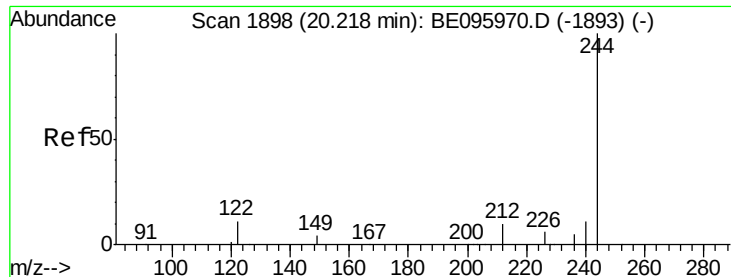


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.314 ng

RT: 20.19 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MSD

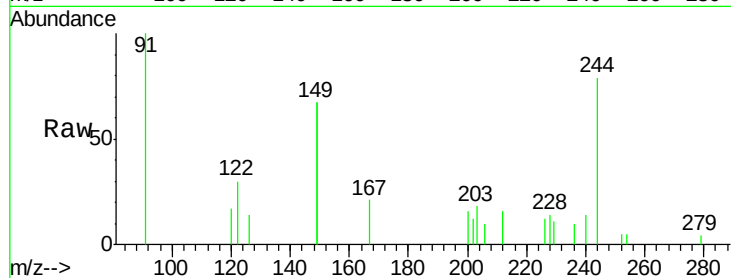
Tgt Ion:244 Resp: 2563

Ion Ratio Lower Upper

244 100

212 20.0 25.4 38.0#

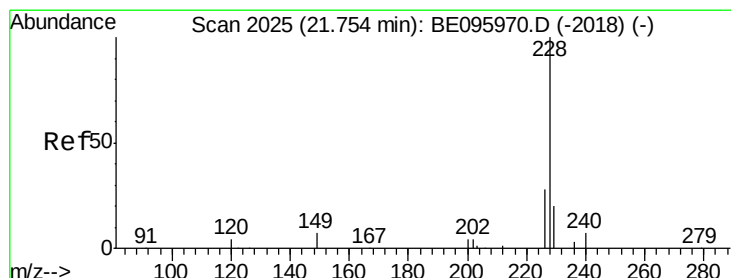
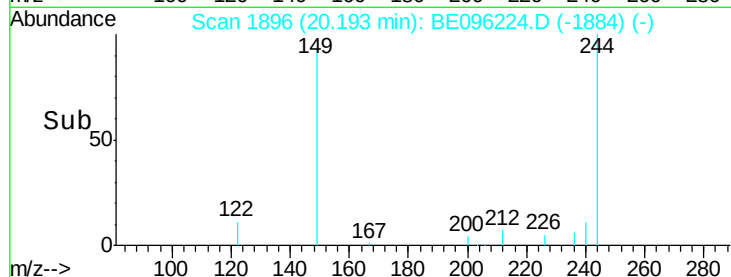
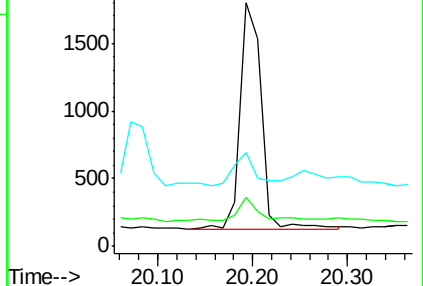
122 38.5 8.1 12.1#



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: 0.371 ng

RT: 21.73 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

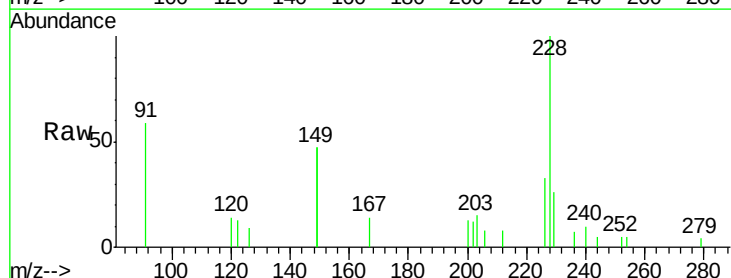
Tgt Ion:228 Resp: 4399

Ion Ratio Lower Upper

228 100

226 32.7 24.0 36.0

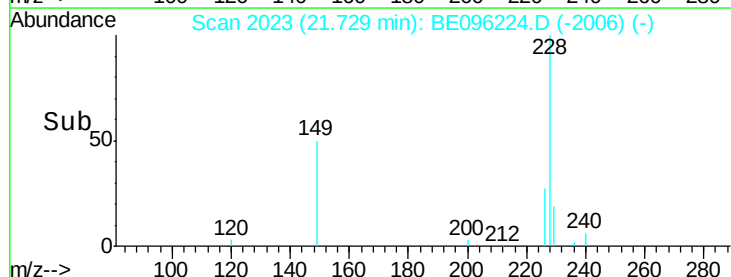
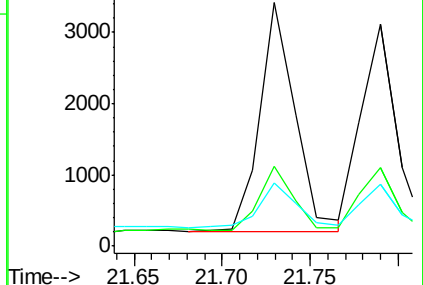
229 25.8 16.0 24.0#

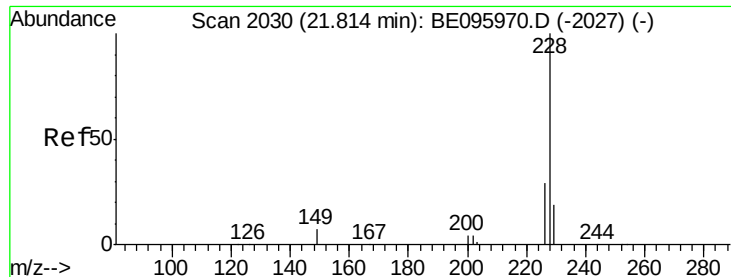


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.343 ng

RT: 21.79 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MSD

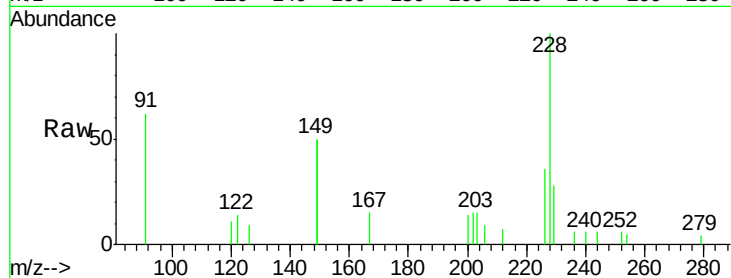
Tgt Ion: 228 Resp: 3928

Ion Ratio Lower Upper

228 100

226 35.7 24.0 36.0

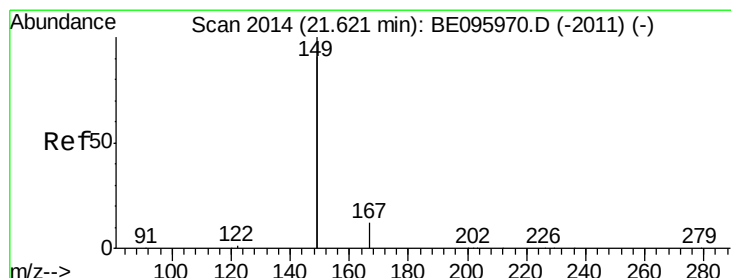
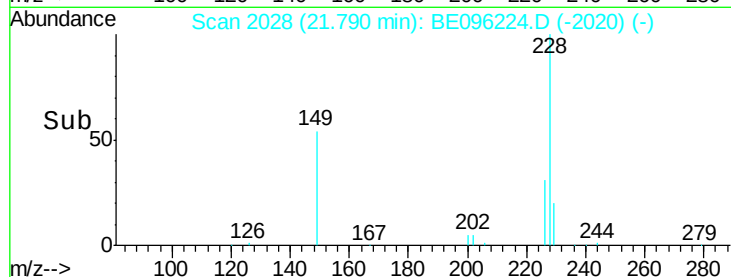
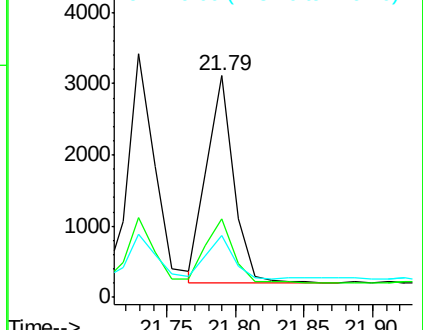
229 27.7 16.0 24.0#



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: 0.392 ng

RT: 21.60 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

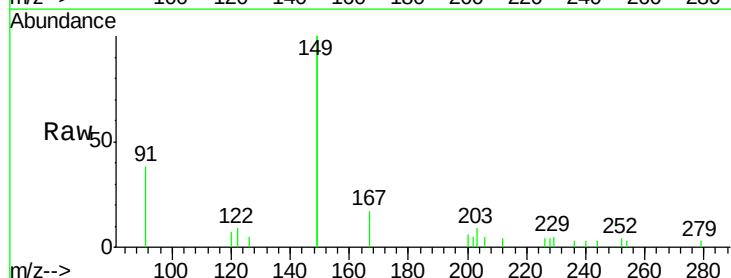
Tgt Ion: 149 Resp: 12003

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

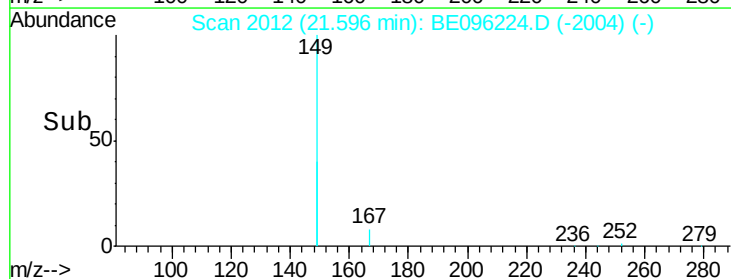
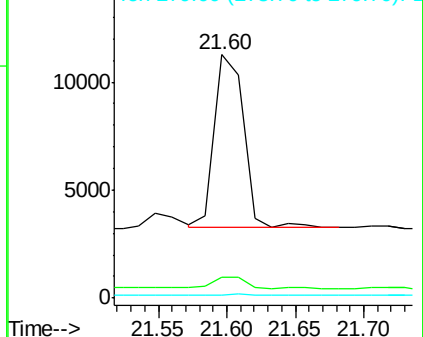
279 0.7 0.7 1.1

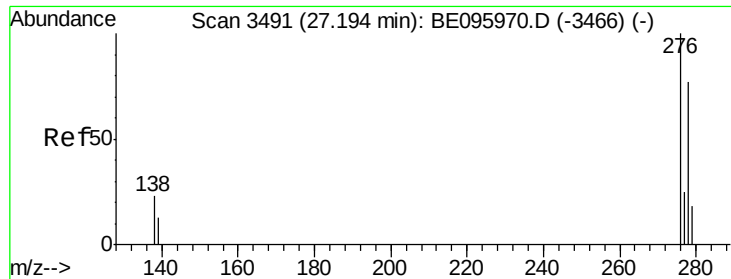


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.244 ng

RT: 27.13 min Scan# 3474

Delta R.T. 0.00 min

Lab File: BE096224.D

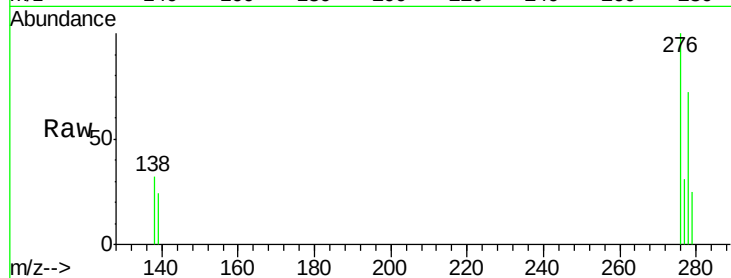
Acq: 30 Apr 2018 16:33

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MSD



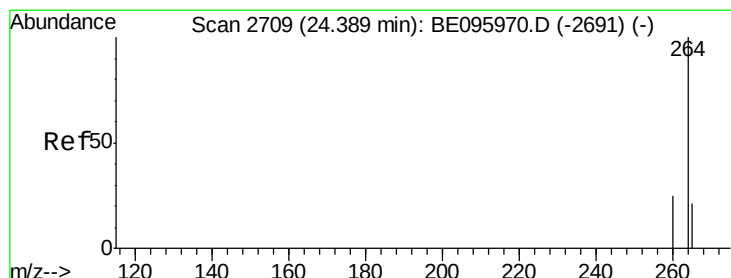
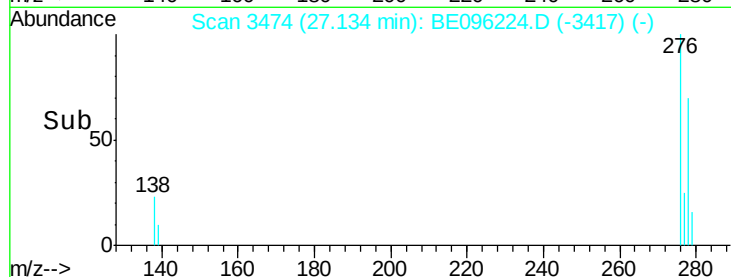
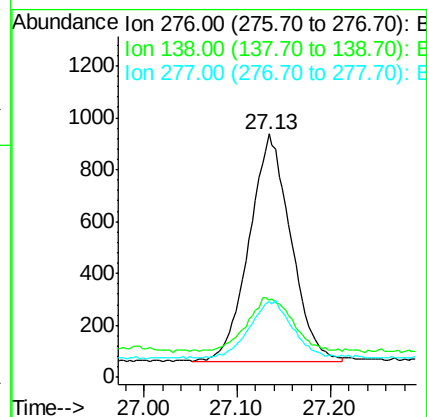
Tgt Ion: 276 Resp: 2708

Ion Ratio Lower Upper

276 100

138 24.4 22.5 33.7

277 26.4 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: BE096224.D

Acq: 30 Apr 2018 16:33

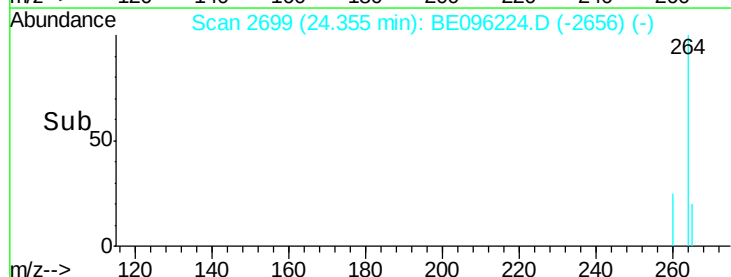
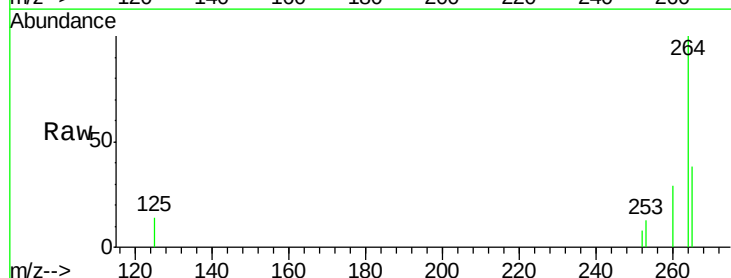
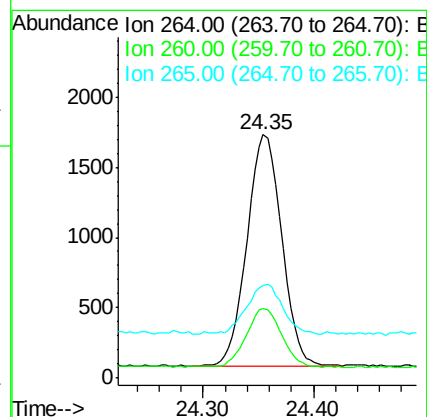
Tgt Ion: 264 Resp: 3596

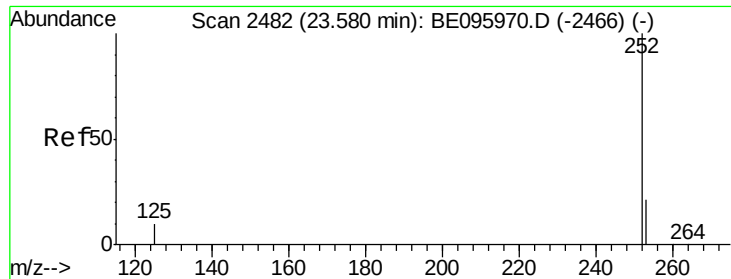
Ion Ratio Lower Upper

264 100

260 28.7 20.5 30.7

265 38.2 22.8 34.2#





#35

Benzo(b)fluoranthene

Concen: 0.306 ng

RT: 23.55 min Scan# 2472

Delta R.T. 0.00 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MSD

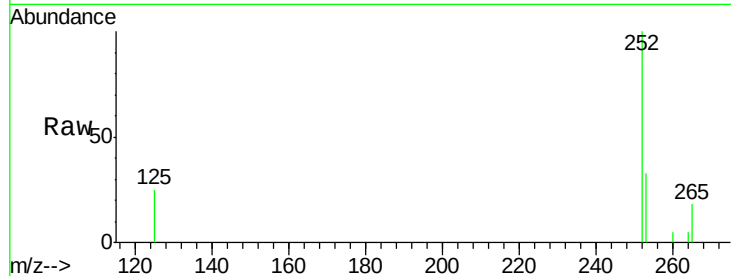
Tgt Ion:252 Resp: 3302

Ion Ratio Lower Upper

252 100

253 32.5 20.0 30.0#

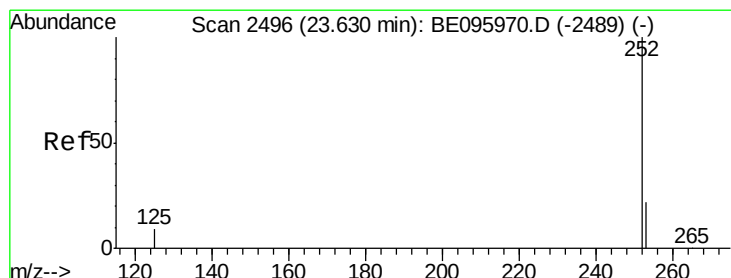
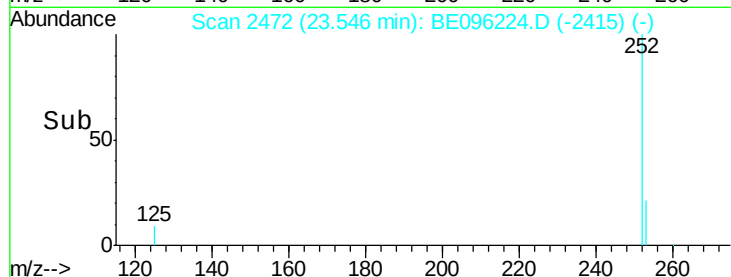
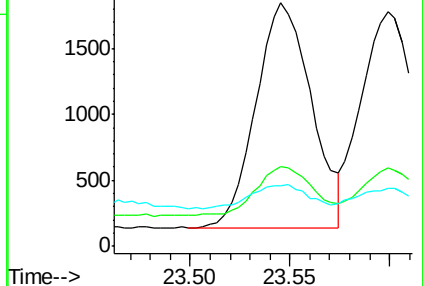
125 24.7 16.0 24.0#



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: 0.280 ng

RT: 23.60 min Scan# 2487

Delta R.T. 0.00 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

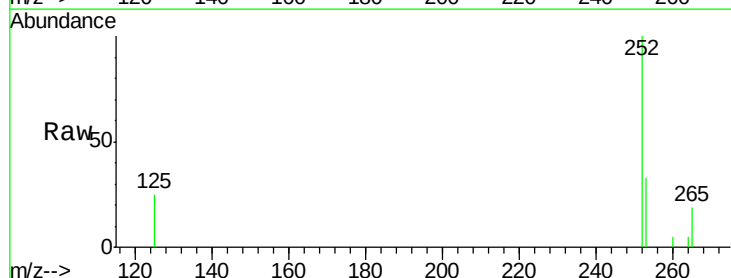
Tgt Ion:252 Resp: 3112

Ion Ratio Lower Upper

252 100

253 33.4 16.0 24.0#

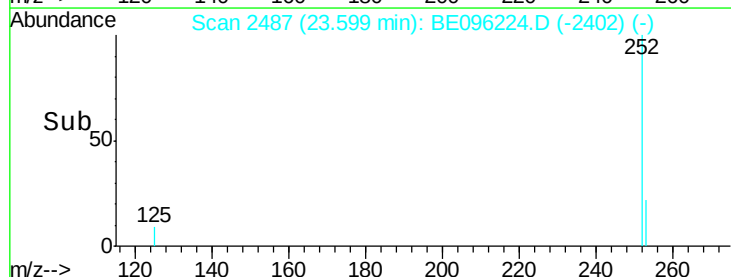
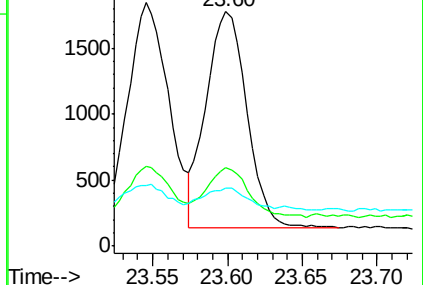
125 24.6 8.0 12.0#

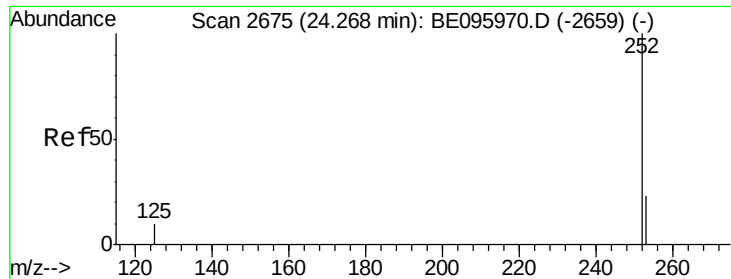


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.287 ng

RT: 24.24 min Scan# 2666

Delta R.T. 0.00 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MSD

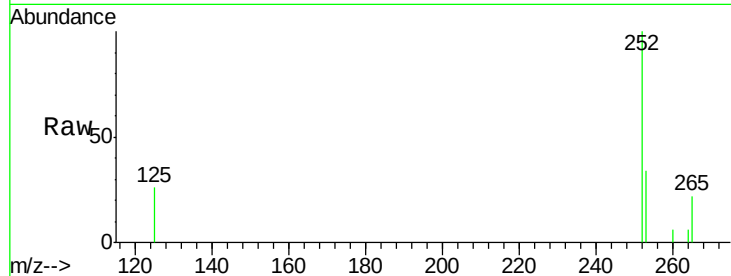
Tgt Ion: 252 Resp: 2980

Ion Ratio Lower Upper

252 100

253 34.2 16.0 24.0#

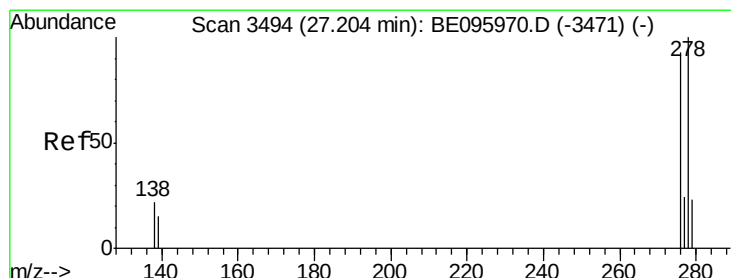
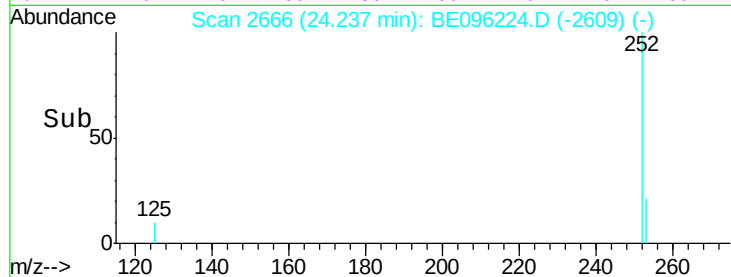
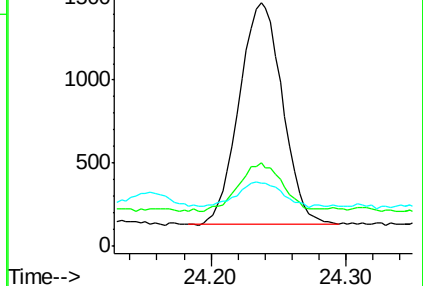
125 25.9 12.0 18.0#



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: 0.241 ng

RT: 27.15 min Scan# 3478

Delta R.T. 0.01 min

Lab File: BE096224.D

Acq: 30 Apr 2018 16:33

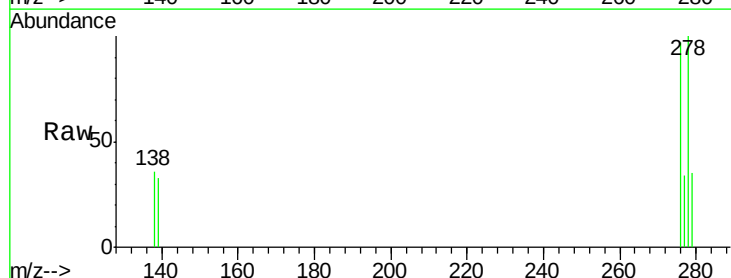
Tgt Ion: 278 Resp: 2203

Ion Ratio Lower Upper

278 100

139 33.4 16.0 24.0#

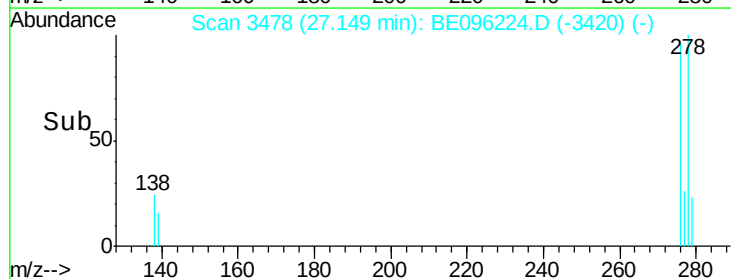
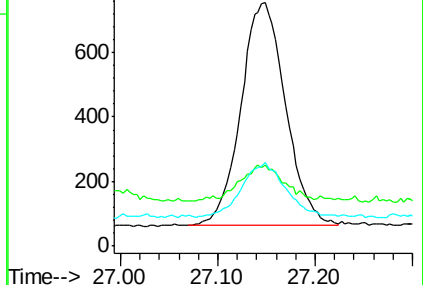
279 34.6 20.0 30.0#

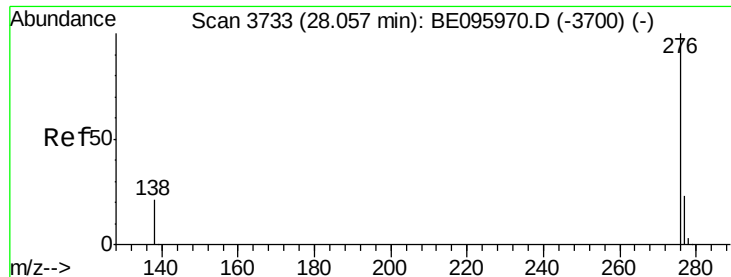


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.237 ng

RT: 28.00 min Scan# 3717

Delta R.T. 0.01 min

Lab File: BE096224.D

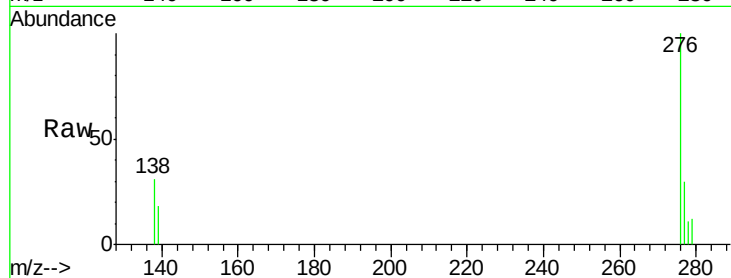
Acq: 30 Apr 2018 16:33

Instrument :

BNA_E

ClientSampleId :

LF001MW001-180418MSD



Tgt Ion: 276 Resp: 2294

Ion Ratio Lower Upper

276 100

277 30.3 16.0 24.0#

138 30.9 20.0 30.0#

