

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050118\
 Data File : BE096265.D
 Acq On : 1 May 2018 19:54
 Operator : SJ/JU
 Sample : J2507-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 02 01:57:03 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	8.37	152	774	0.40	ng	0.00
7) Naphthalene-d8	11.17	136	13367	0.40	ng	-0.03
13) Acenaphthene-d10	14.85	164	8757	0.40	ng	-0.09
19) Phenanthrene-d10	17.54	188	1095	0.40	ng	-0.10
27) Chrysene-d12	21.67	240	152	0.40	ng	-0.07
34) Perylene-d12	24.35	264	3803	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.90	112	882	0.37	ng	0.04
5) Phenol-d6	0.00	99	0	0.00	ng	
8) Nitrobenzene-d5	9.52	82	2535	0.16	ng	-0.03
11) 2-Methylnaphthalene-d10	12.71	152	552	0.03	ng	-0.02
14) 2,4,6-Tribromophenol	16.32	330	3	0.00	ng	-0.09
15) 2-Fluorobiphenyl	13.61	172	25470	0.68	ng	0.03
25) Fluoranthene-d10	19.49	212	1255	0.08	ng	-0.15
29) Terphenyl-d14	20.19	244	4305	12.82	ng	0.00

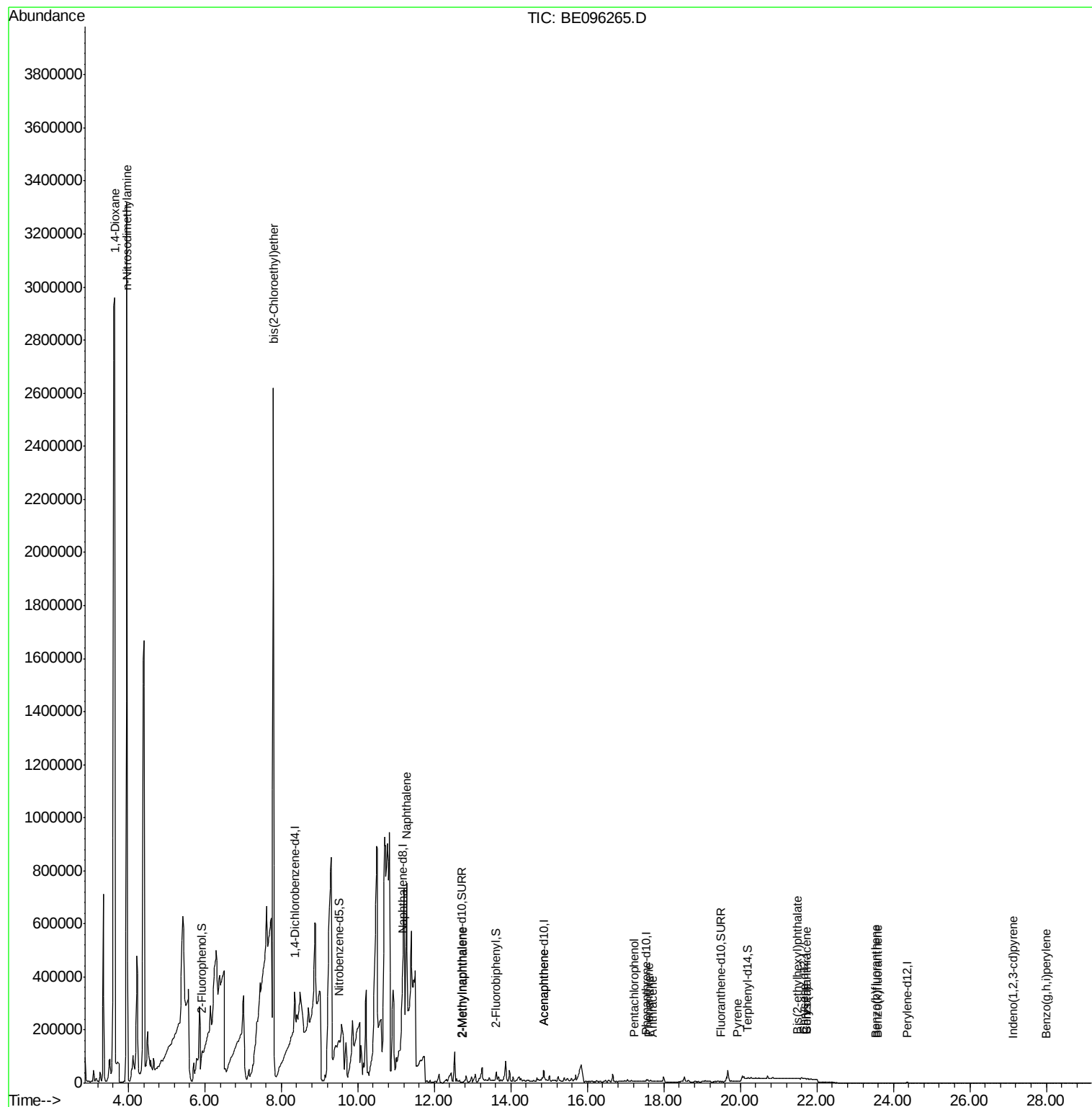
Target Compounds						Qvalue
2) 1,4-Dioxane	3.64	88	4202314	3514.812	ng	# 80
3) n-Nitrosodimethylamine	3.96	42	399988	273.067	ng	# 1
6) bis(2-Chloroethyl)ether	7.80	93	1077181	370.536	ng	98
9) Naphthalene	11.27	128	917870	6.513	ng	99
12) 2-Methylnaphthalene	12.72	142	497	0.021	ng	# 1
17) Acenaphthene	14.85	154	1404	0.050	ng	# 51
22) Pentachlorophenol	17.22	266	34	0.249	ng	89
23) Phenanthrene	17.60	178	198	0.064	ng	# 42
24) Anthracene	17.70	178	694	0.236	ng	# 62
28) Pvrene	19.93	202	72	0.241	ng	# 1
30) Benzo(a)anthracene	21.73	228	481	0.987	ng	# 7
31) Chrysene	21.73	228	387	0.822	ng	# 7
32) Bis(2-ethylhexyl)phthalate	21.50	149	1937	1.540	ng	# 83
33) Indeno(1,2,3-cd)pyrene	27.13	276	262	0.574	ng	# 55
35) Benzo(b)fluoranthene	23.54	252	331	0.029	ng	# 1
36) Benzo(k)fluoranthene	23.59	252	261	0.022	ng	# 1
39) Benzo(a,h,i)perylene	28.00	276	254	0.025	ng	# 1

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

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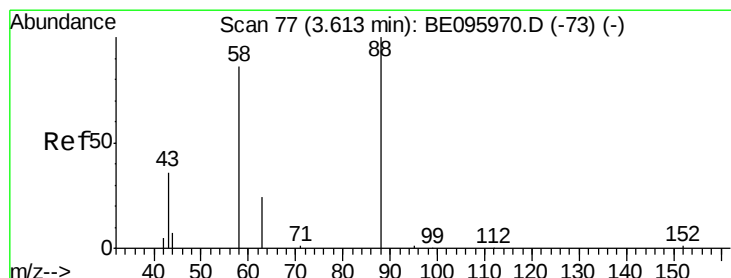
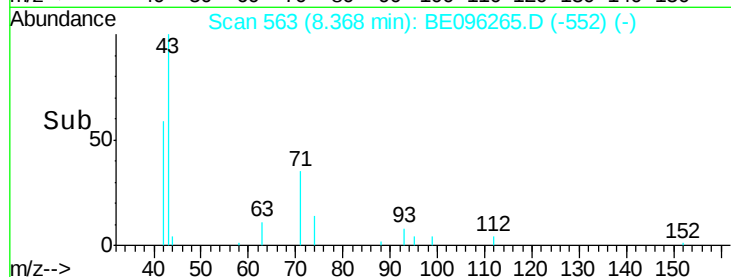
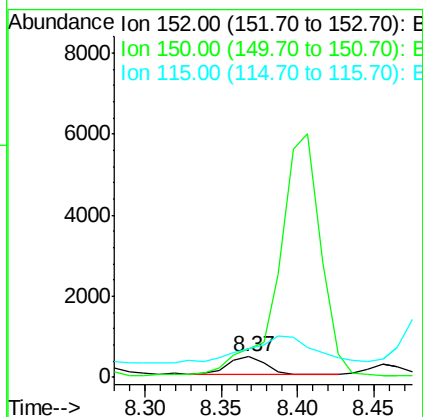
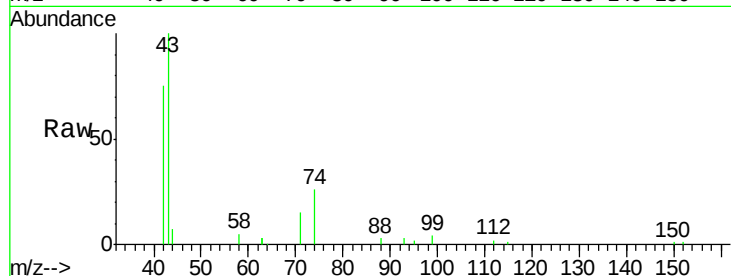


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.37 min Scan# 563
Delta R.T. 0.01 min
Lab File: BE096265.D
Acq: 1 May 2018 19:54

Instrument :
BNA_E
ClientSampleId :

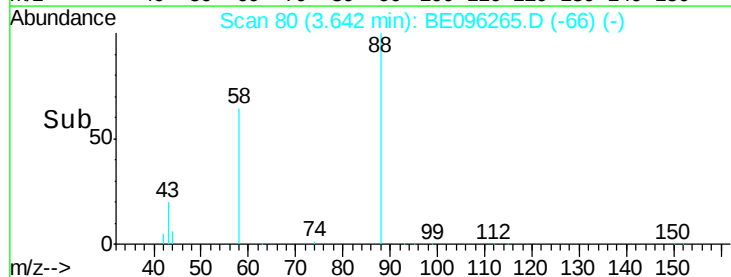
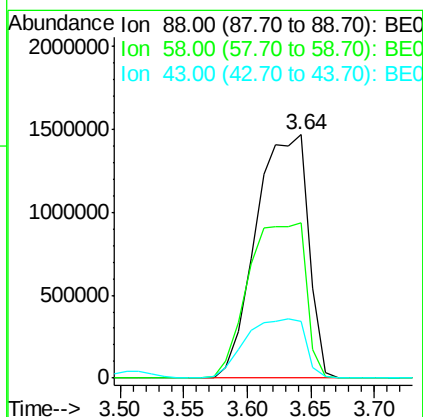
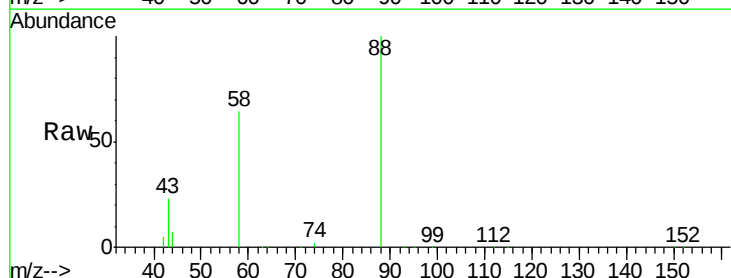
Tot Ion:152 Resp: 774
Ion Ratio Lower Upper
152 100
150 136.1 117.2 175.8
115 137.1 57.0 85.6#



#2

1,4-Dioxane
Concen: 3514.812 ng
RT: 3.64 min Scan# 80
Delta R.T. 0.04 min
Lab File: BE096265.D
Acq: 1 May 2018 19:54

Tgt Ion: 88 Resp: 4202314
Ion Ratio Lower Upper
88 100
58 69.7 63.2 94.8
43 27.2 41.2 61.8#



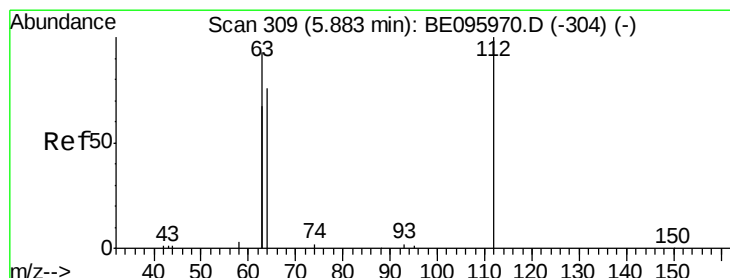
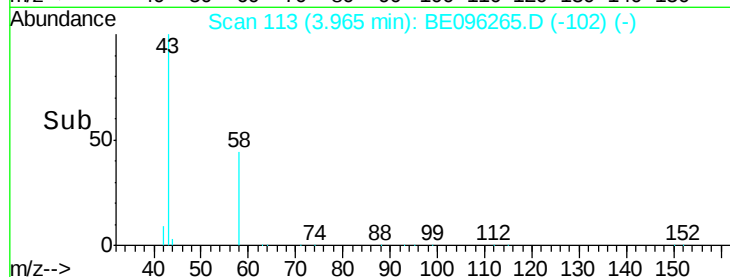
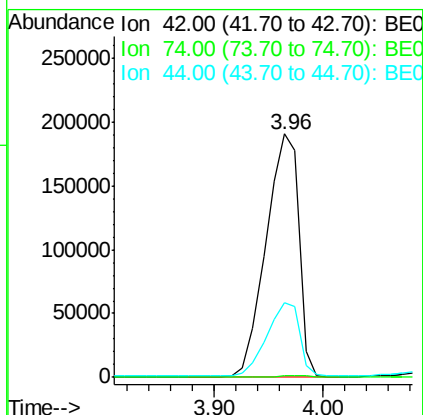
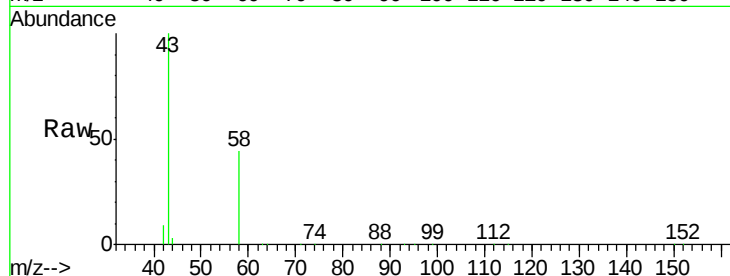


#3

n-Nitrosodimethylamine
 Concen: 273.067 ng
 RT: 3.96 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: BE096265.D
 Acq: 1 May 2018 19:54

Instrument :
 BNA_E
 ClientSampleId :

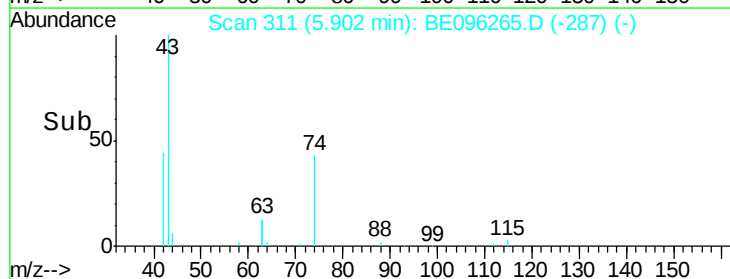
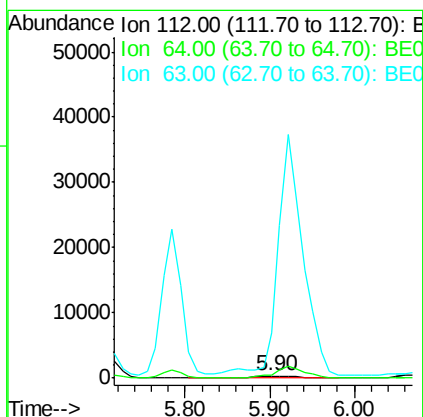
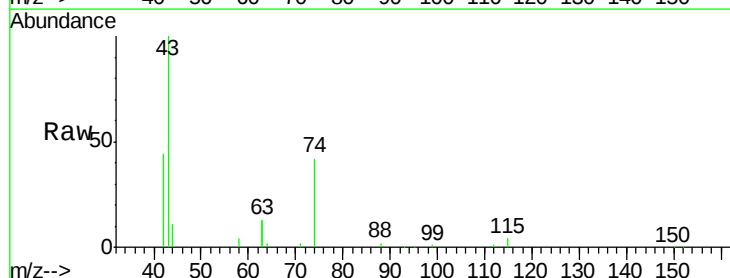
Tot Ion: 42 Resp: 399988
 Ion Ratio Lower Upper
 42 100
 74 0.6 96.0 144.0#
 44 29.5 12.0 18.0#

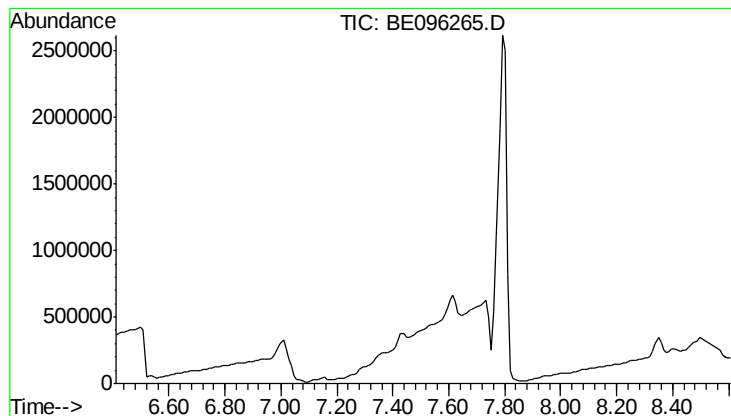


#4

2-Fluorophenol
 Concen: 0.368 ng
 RT: 5.90 min Scan# 311
 Delta R.T. 0.04 min
 Lab File: BE096265.D
 Acq: 1 May 2018 19:54

Tgt Ion: 112 Resp: 882
 Ion Ratio Lower Upper
 112 100
 64 473.9 60.1 90.1#
 63 8535.1 116.8 175.2#





#5

Phenol-d6

Concen: 0.000 ng

Expected RT: 7.51 min

Lab File: BE096265.D

Acq: 1 May 2018 19:54

Tot Ion: 99

Sig Exp Ratio

99 100

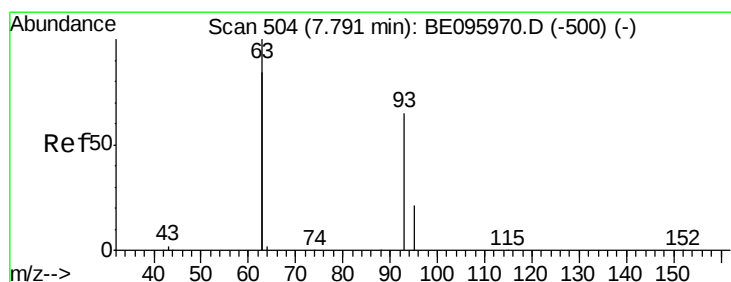
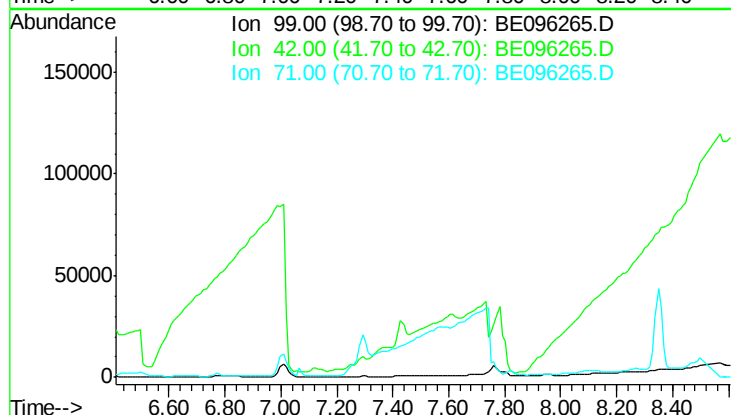
42 25.2

71 35.5

Instrument :

BNA_E

ClientSampleId :



#6

bis(2-Chloroethyl)ether

Concen: 370.536 ng

RT: 7.80 min Scan# 505

Delta R.T. 0.04 min

Lab File: BE096265.D

Acq: 1 May 2018 19:54

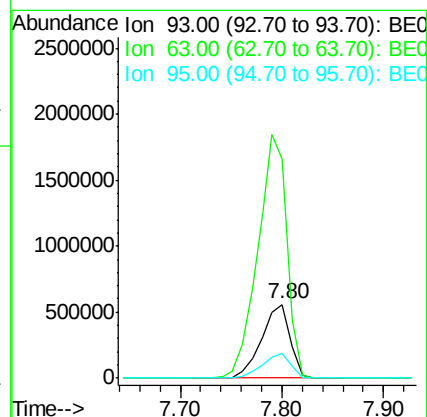
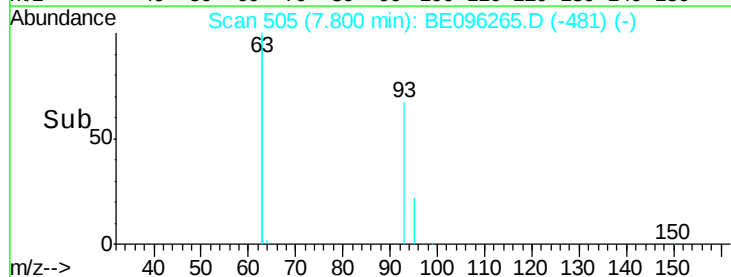
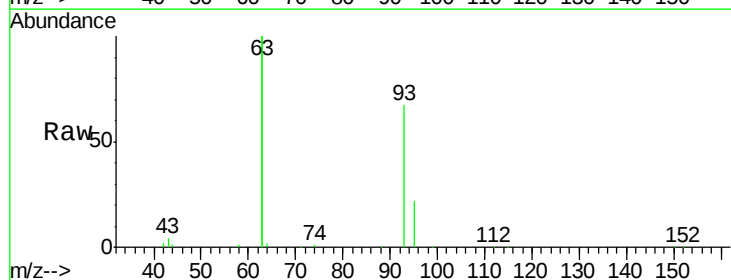
Tgt Ion: 93 Resp: 1077181

Ion Ratio Lower Upper

93 100

63 339.3 275.3 412.9

95 32.9 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.17 min Scan# 777

Delta R.T. -0.03 min

Lab File: BE096265.D

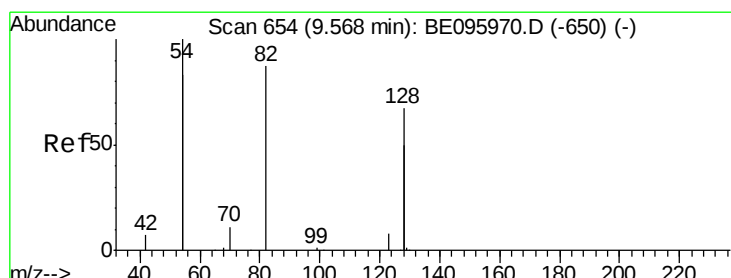
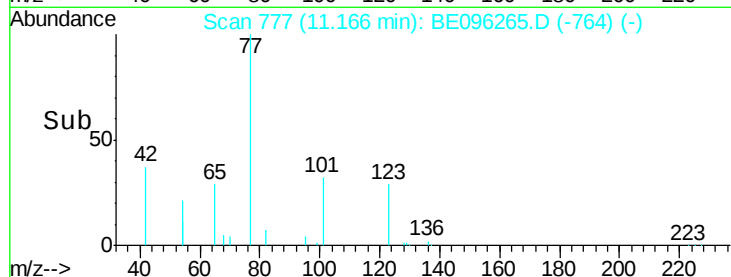
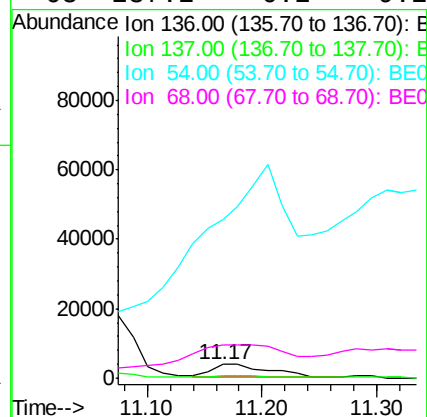
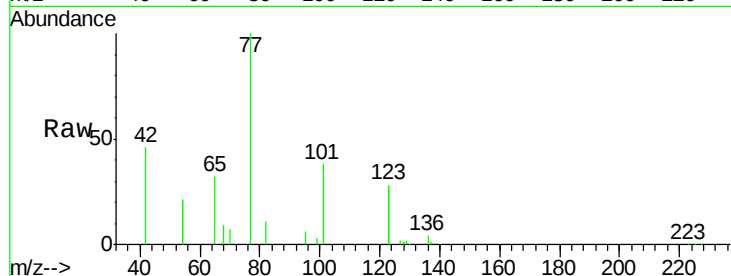
Acq: 1 May 2018 19:54

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136	Resp:	13367
Ion Ratio	Lower	Upper
136	100	
137	16.6	9.5 14.3#
54	1133.9	29.1 43.7#
68	237.2	6.2 9.2#



#8

Nitrobenzene-d5

Concen: 0.162 ng

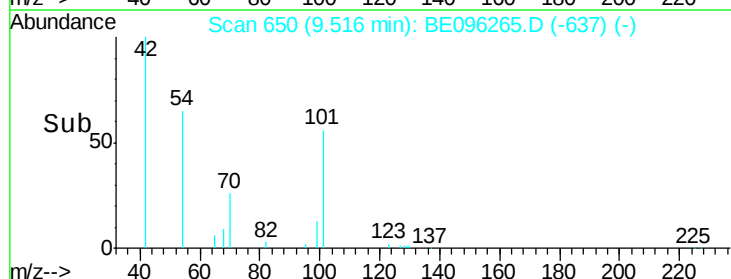
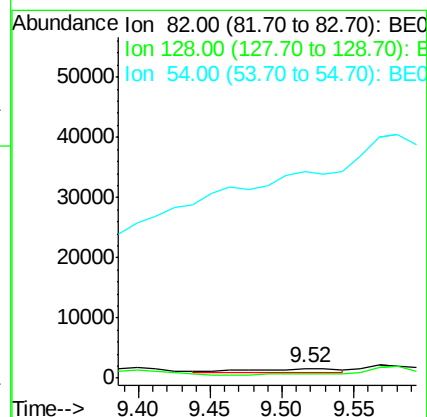
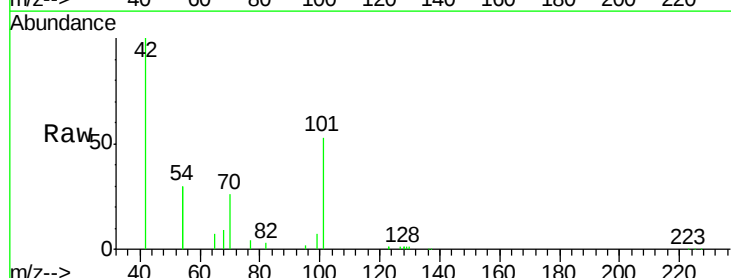
RT: 9.52 min Scan# 650

Delta R.T. -0.03 min

Lab File: BE096265.D

Acq: 1 May 2018 19:54

Tgt Ion: 82	Resp:	2535
Ion Ratio	Lower	Upper
82	100	
128	41.9	150.0 225.0#
54	2204.8	154.2 231.4#





#9

Naphthalene

Concen: 6.513 ng

RT: 11.27 min Scan# 785

Delta R.T. 0.03 min

Lab File: BE096265.D

Acq: 1 May 2018 19:54

Instrument :

BNA_E

ClientSampleId :

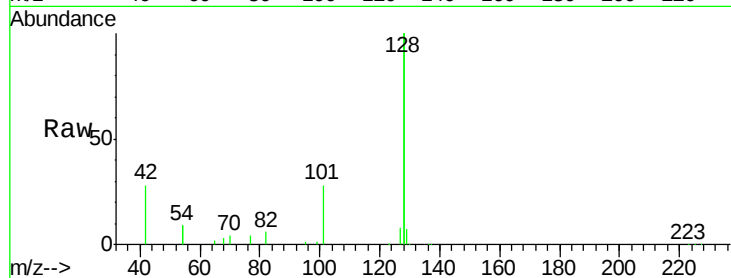
Tot Ion:128 Resp: 917870

Ion Ratio Lower Upper

128 100

129 3.3 2.6 3.8

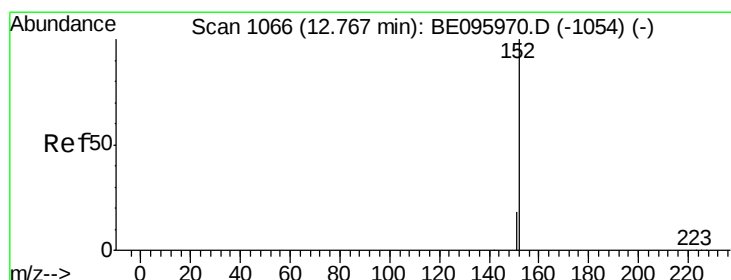
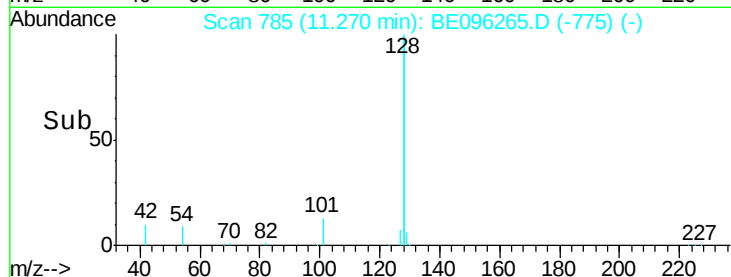
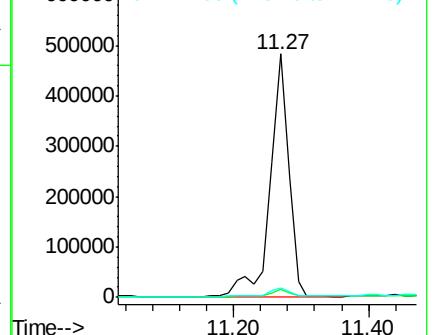
127 4.0 2.8 4.2



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



#11

2-Methylnaphthalene-d10

Concen: 0.026 ng

RT: 12.71 min Scan# 1054

Delta R.T. -0.02 min

Lab File: BE096265.D

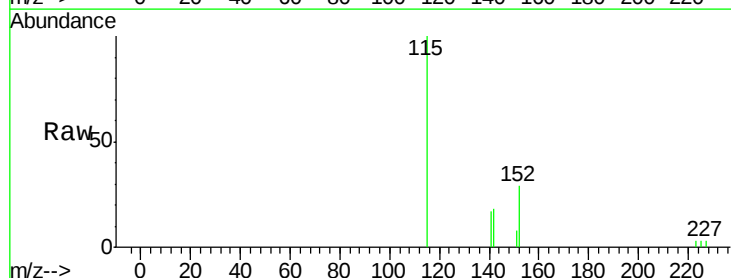
Acq: 1 May 2018 19:54

Tgt Ion:152 Resp: 552

Ion Ratio Lower Upper

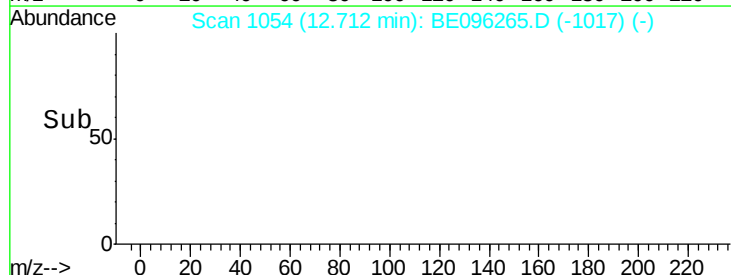
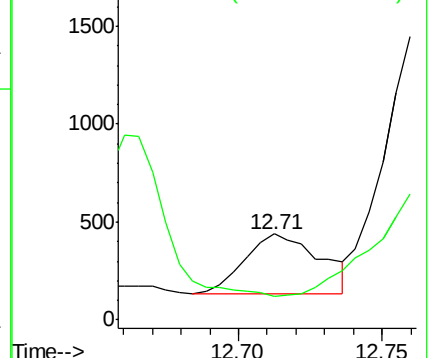
152 100

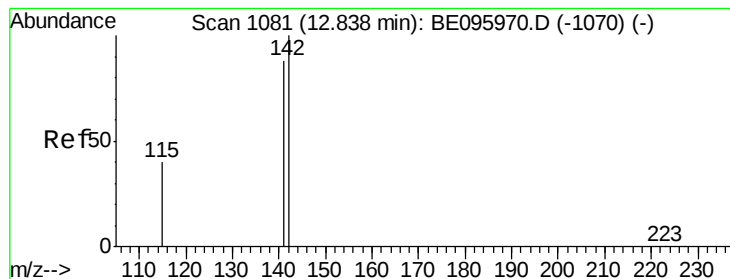
151 0.0 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.021 ng

RT: 12.72 min Scan# 1056

Delta R.T. -0.08 min

Lab File: BE096265.D

Acq: 1 May 2018 19:54

Instrument :

BNA_E

ClientSampleId :

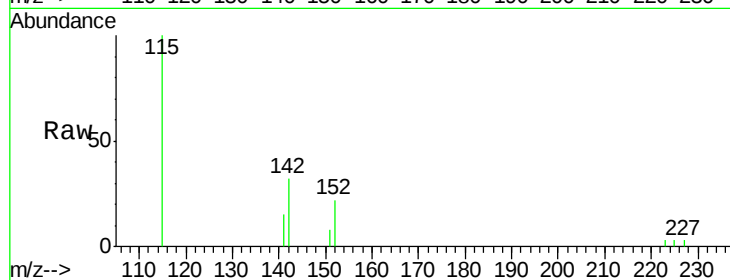
Tot Ion:142 Resp: 497

Ion Ratio Lower Upper

142 100

141 47.1 70.4 105.6#

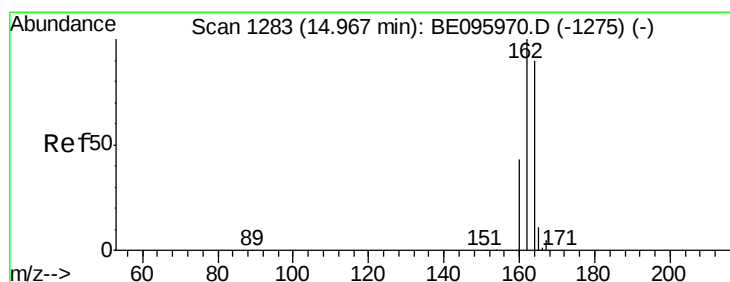
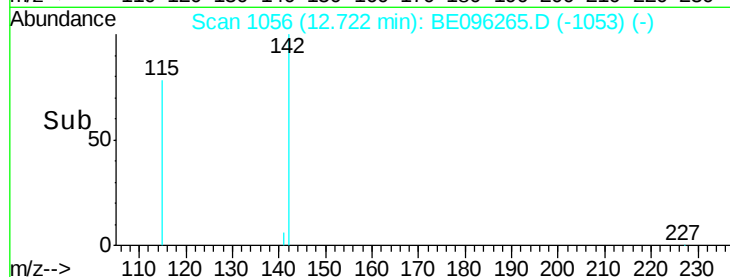
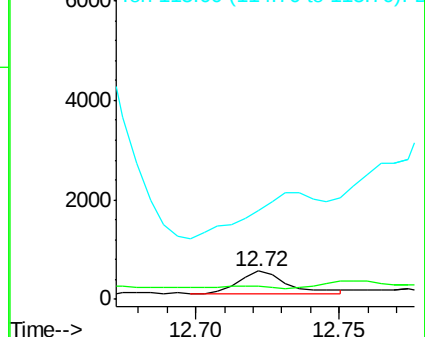
115 315.3 31.7 47.5#



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: 14.85 min Scan# 1273

Delta R.T. -0.09 min

Lab File: BE096265.D

Acq: 1 May 2018 19:54

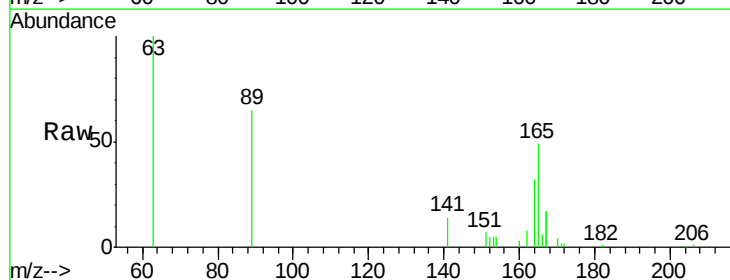
Tgt Ion:164 Resp: 8757

Ion Ratio Lower Upper

164 100

162 25.6 83.1 124.7#

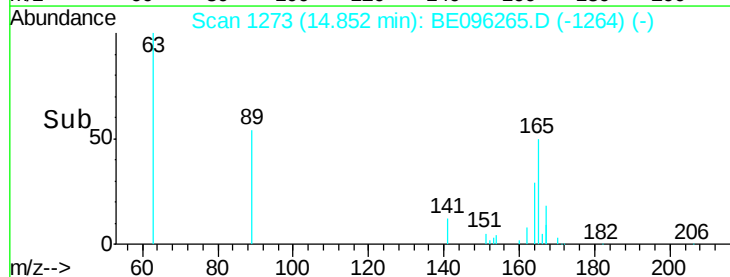
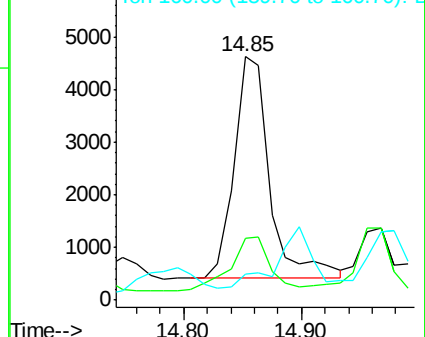
160 10.4 37.1 55.7#

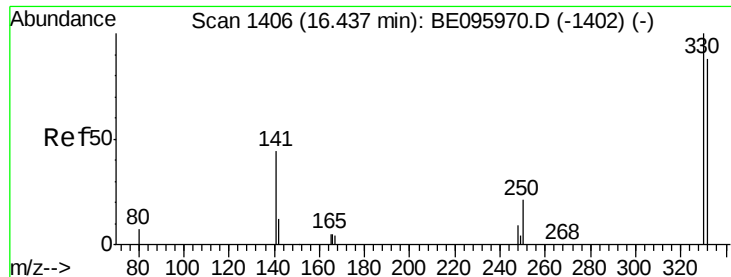


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#14

2,4,6-Tribromophenol

Concen: 0.001 ng

RT: 16.32 min Scan# 1396

Delta R.T. -0.09 min

Lab File: BE096265.D

Acq: 1 May 2018 19:54

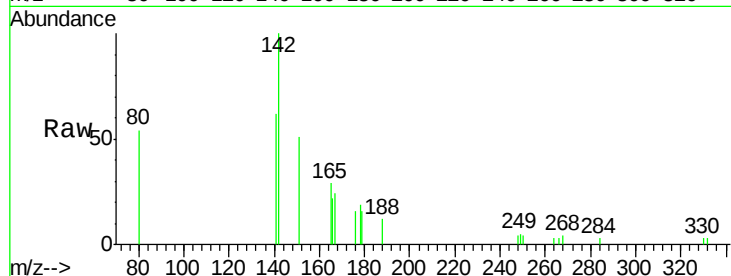
Instrument :

BNA_E

ClientSampled :

Tot Ion:330 Resp: 3

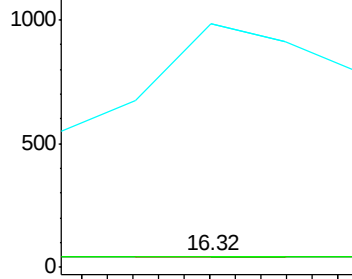
Ion	Ratio	Lower	Upper
330	100		
332	166.7	152.7	229.1
141	36233.3	33.7	50.5#



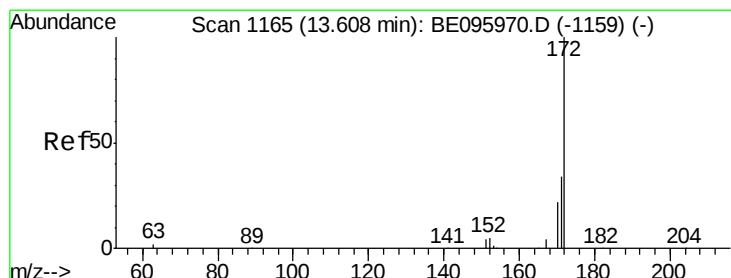
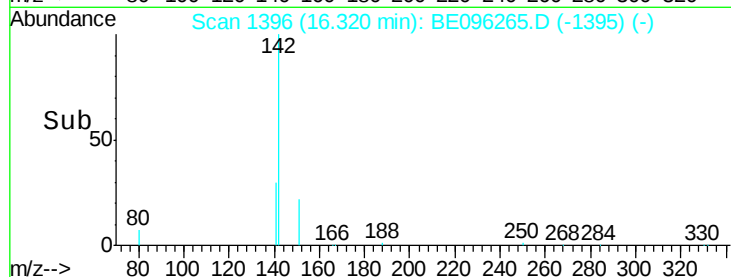
Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time-->



#15

2-Fluorobiphenyl

Concen: 0.680 ng

RT: 13.61 min Scan# 1165

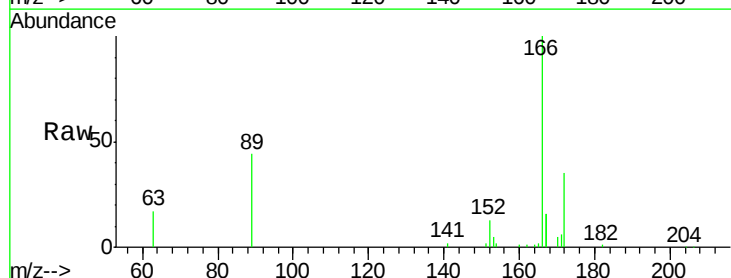
Delta R.T. 0.03 min

Lab File: BE096265.D

Acq: 1 May 2018 19:54

Tgt Ion:172 Resp: 25470

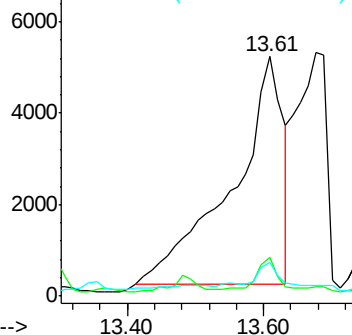
Ion	Ratio	Lower	Upper
172	100		
171	16.3	29.9	44.9#
170	13.8	21.8	32.8#



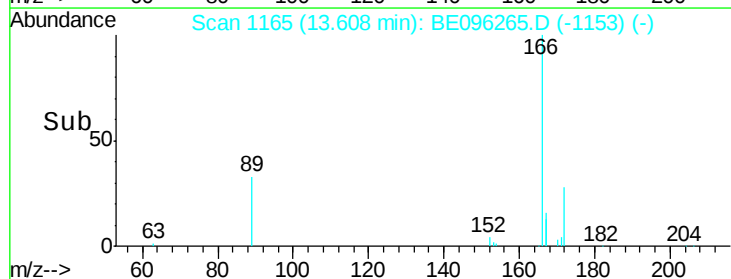
Abundance Ion 172.00 (171.70 to 172.70): E

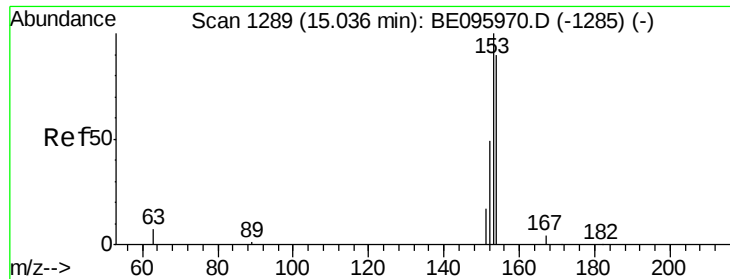
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time-->





#17

Acenaphthene

Concen: 0.050 ng

RT: 14.85 min Scan# 1273

Delta R.T. -0.15 min

Lab File: BE096265.D

Acq: 1 May 2018 19:54

Instrument :

BNA_E

ClientSampled :

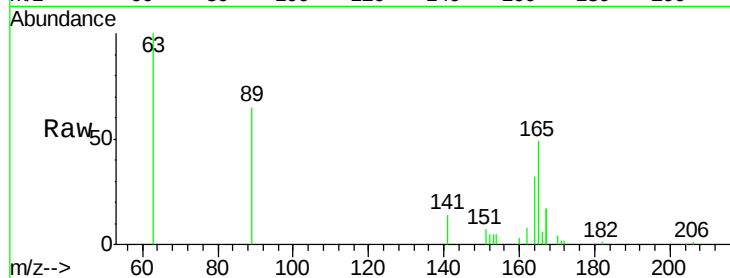
Tot Ion:154 Resp: 1404

Ion Ratio Lower Upper

154 100

153 38.7 89.2 133.8#

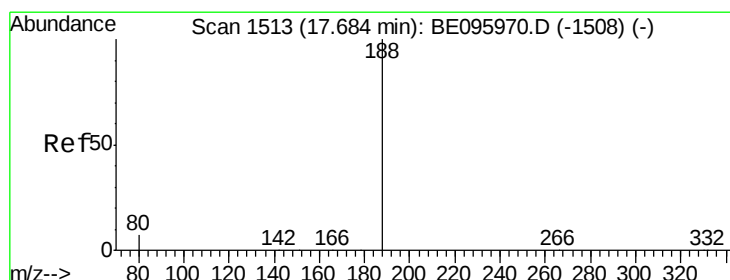
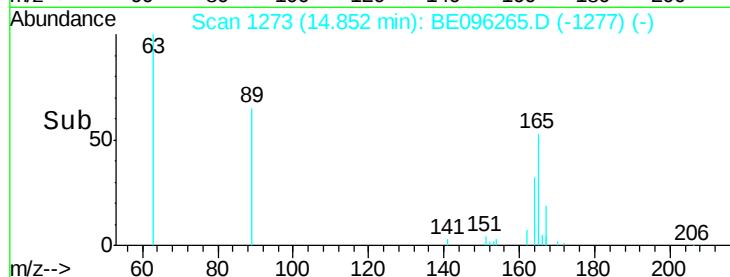
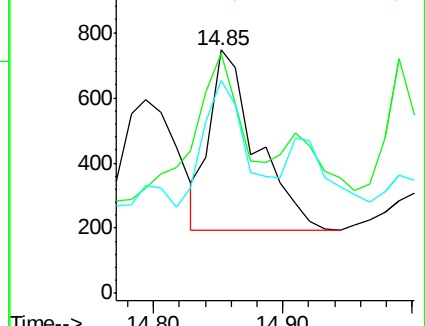
152 47.6 42.0 63.0



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.54 min Scan# 1501

Delta R.T. -0.10 min

Lab File: BE096265.D

Acq: 1 May 2018 19:54

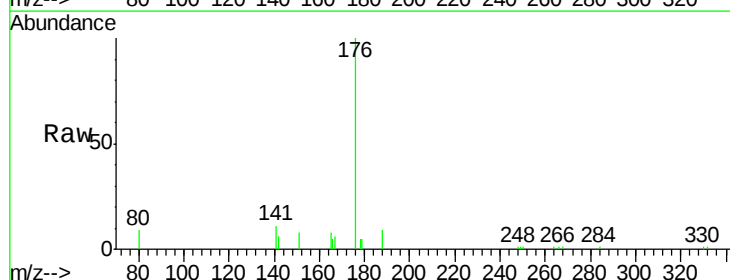
Tgt Ion:188 Resp: 1095

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

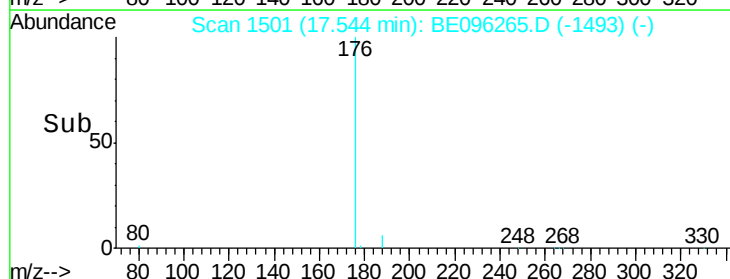
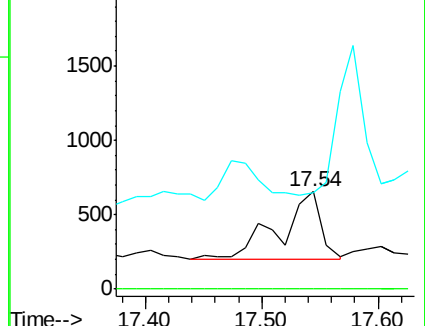
80 99.5 3.6 5.4#

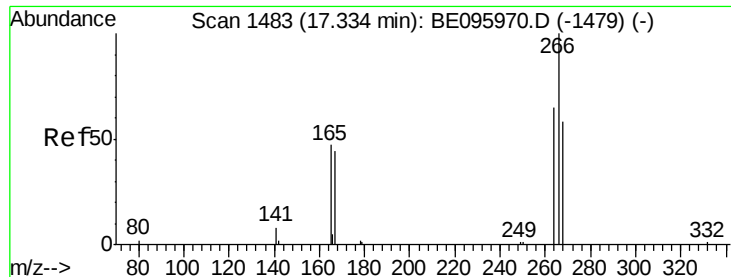


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.249 ng

RT: 17.22 min Scan# 1473

Delta R.T. -0.09 min

Lab File: BE096265.D

Acq: 1 May 2018 19:54

Instrument :

BNA_E

ClientSampleId :

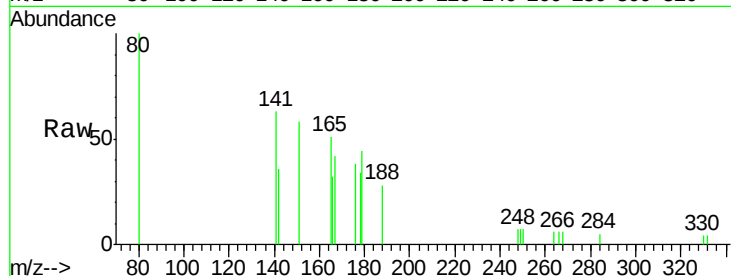
Tot Ion:266 Resp: 34

Ion Ratio Lower Upper

266 100

264 97.1 72.5 108.7

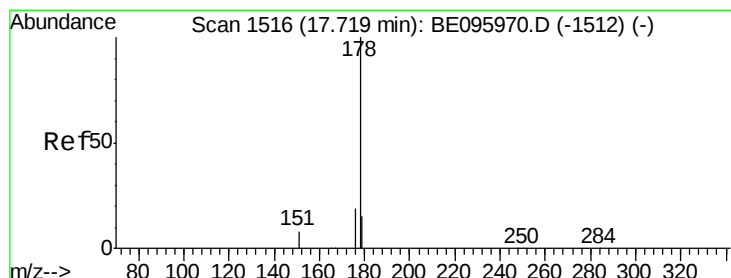
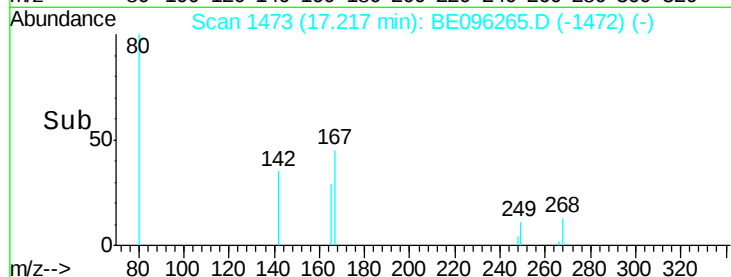
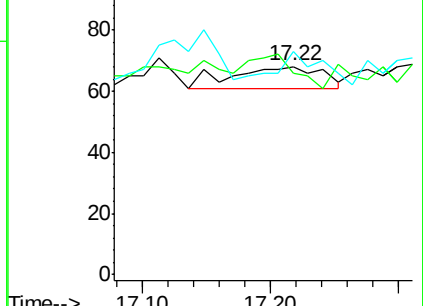
268 107.4 73.8 110.6



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: 0.064 ng

RT: 17.60 min Scan# 1506

Delta R.T. -0.09 min

Lab File: BE096265.D

Acq: 1 May 2018 19:54

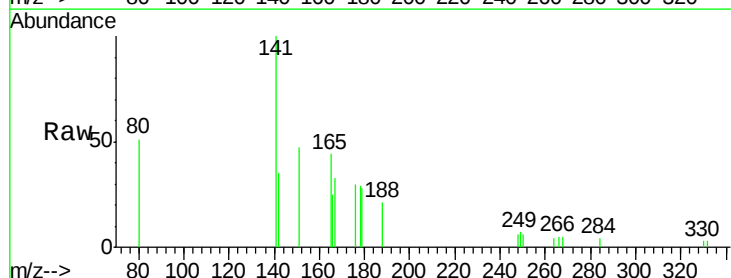
Tgt Ion:178 Resp: 198

Ion Ratio Lower Upper

178 100

176 0.0 15.1 22.7#

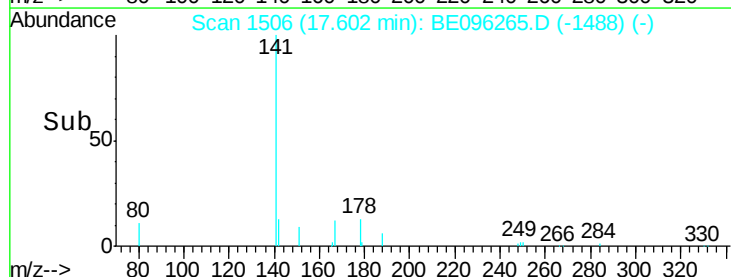
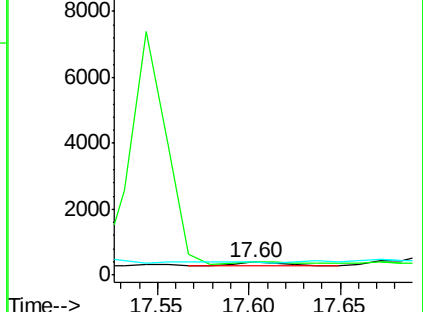
179 47.5 11.8 17.6#

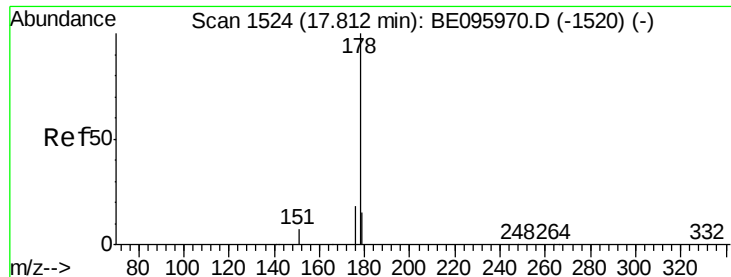


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.236 ng

RT: 17.70 min Scan# 1514

Delta R.T. -0.08 min

Lab File: BE096265.D

Acq: 1 May 2018 19:54

Instrument :

BNA_E

ClientSampled :

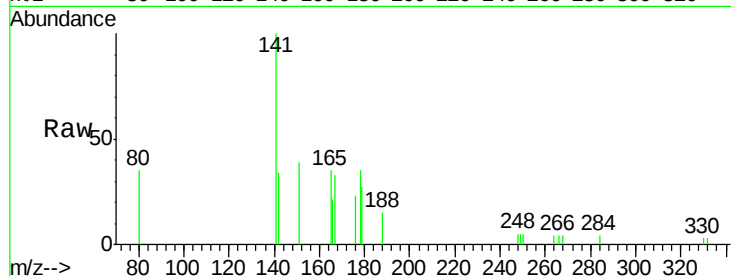
Tot Ion:178 Resp: 694

Ion Ratio Lower Upper

178 100

176 0.0 12.8 19.2#

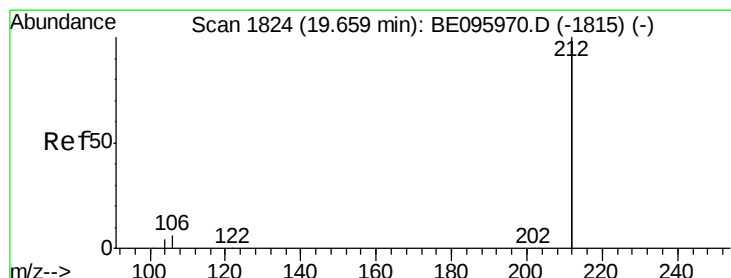
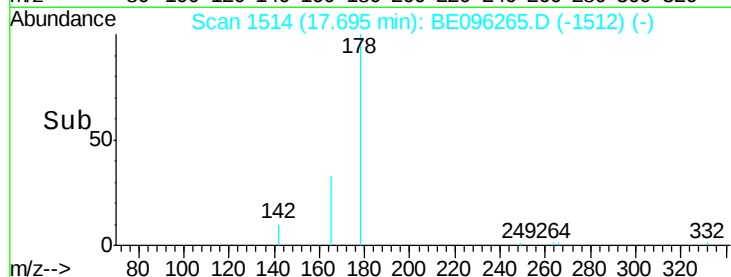
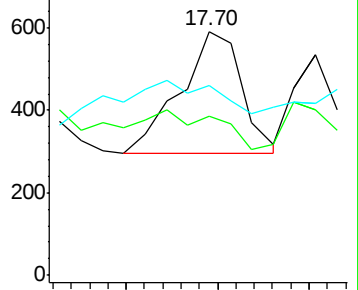
179 0.0 13.0 19.6#



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: 0.084 ng

RT: 19.49 min Scan# 1794

Delta R.T. -0.15 min

Lab File: BE096265.D

Acq: 1 May 2018 19:54

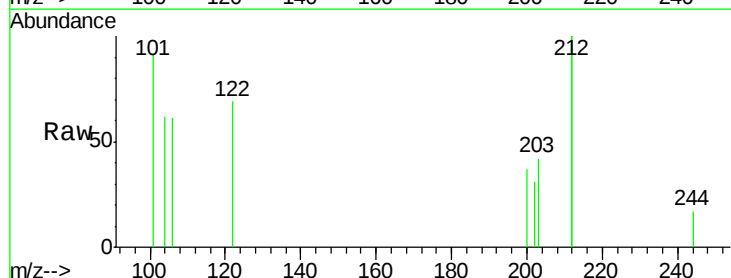
Tgt Ion:212 Resp: 1255

Ion Ratio Lower Upper

212 100

106 17.7 2.8 4.2#

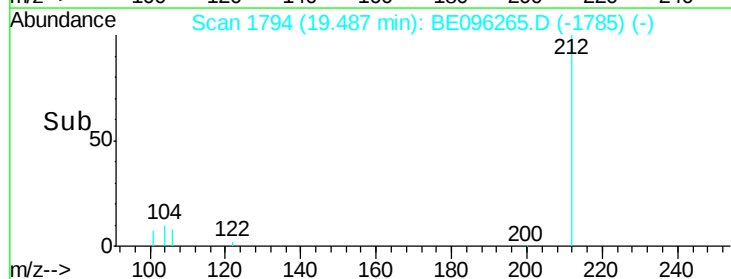
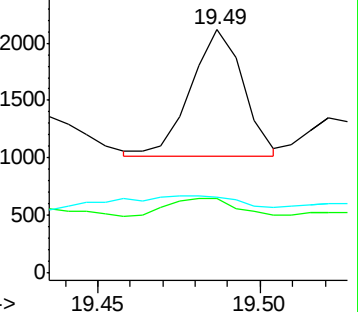
104 28.7 1.6 2.4#

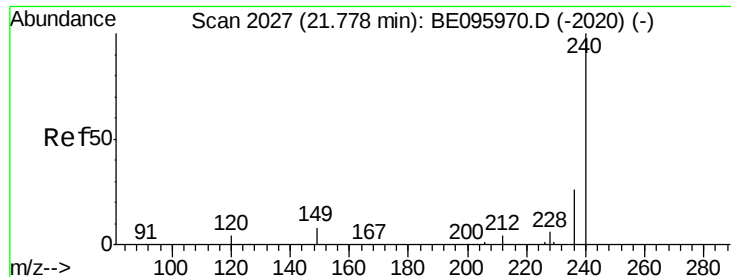


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.67 min Scan# 2018

Delta R.T. -0.07 min

Lab File: BE096265.D

Acq: 1 May 2018 19:54

Instrument :

BNA_E

ClientSampled :

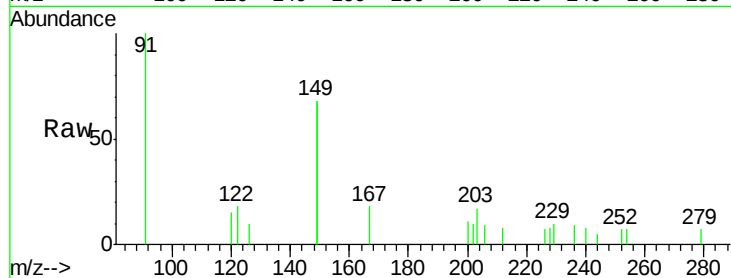
Tot Ion:240 Resp: 152

Ion Ratio Lower Upper

240 100

120 202.0 5.5 8.3#

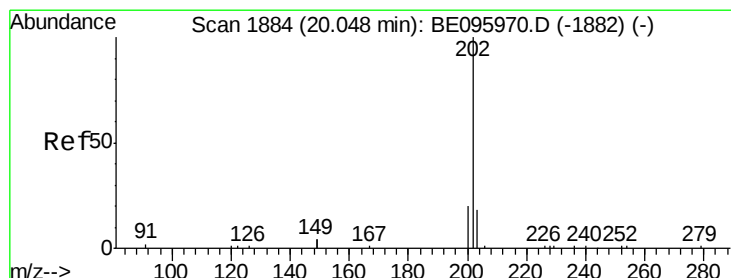
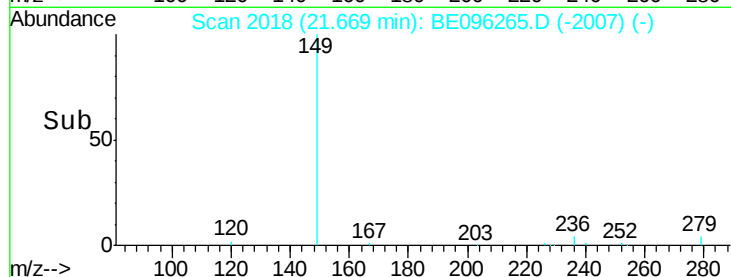
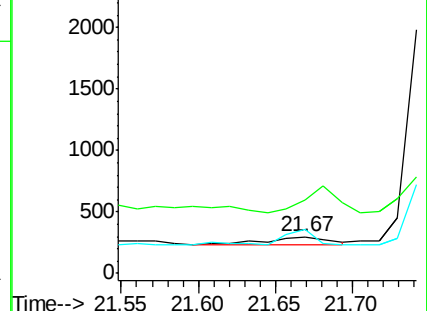
236 119.9 20.7 31.1#



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: 0.241 ng

RT: 19.93 min Scan# 1871

Delta R.T. -0.07 min

Lab File: BE096265.D

Acq: 1 May 2018 19:54

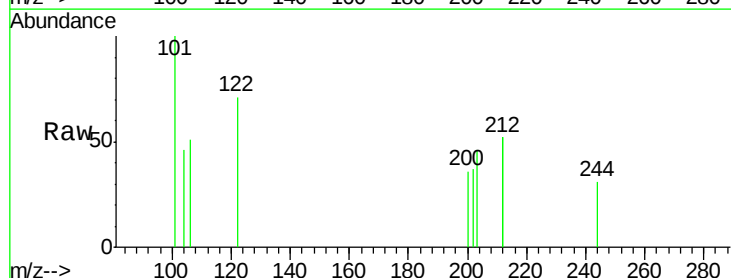
Tgt Ion:202 Resp: 72

Ion Ratio Lower Upper

202 100

200 201.4 16.6 25.0#

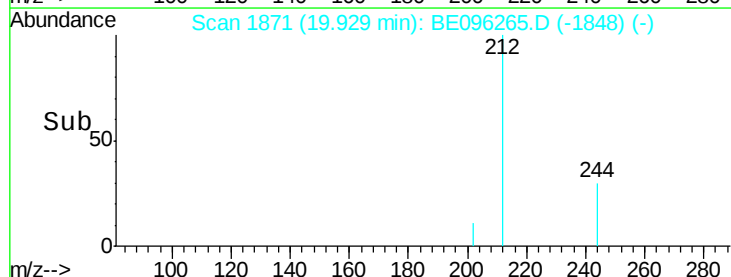
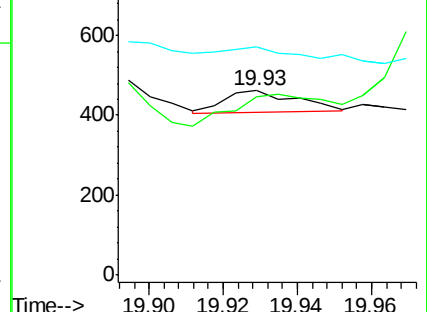
203 83.3 13.8 20.8#

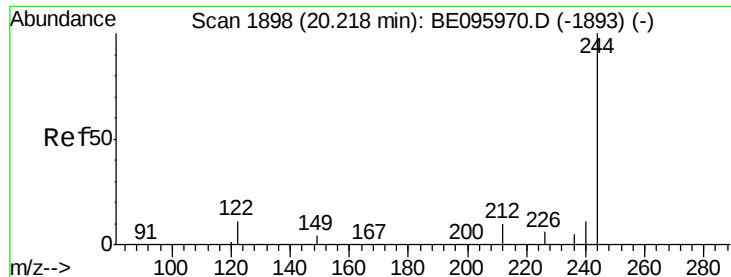


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 12.819 ng

RT: 20.19 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE096265.D

Acq: 1 May 2018 19:54

Instrument :

BNA_E

ClientSampleId :

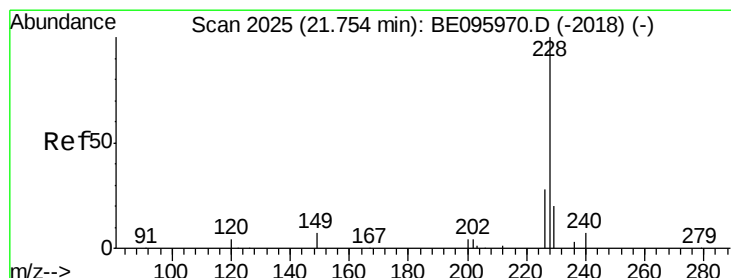
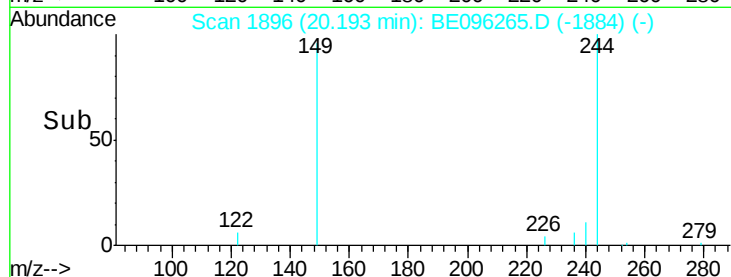
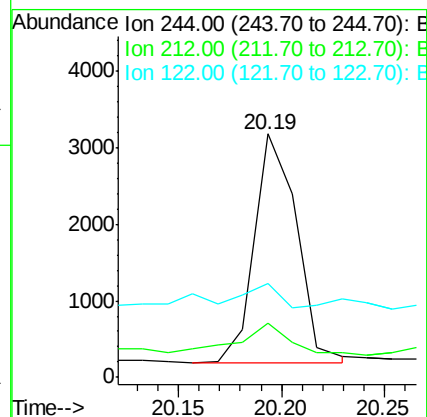
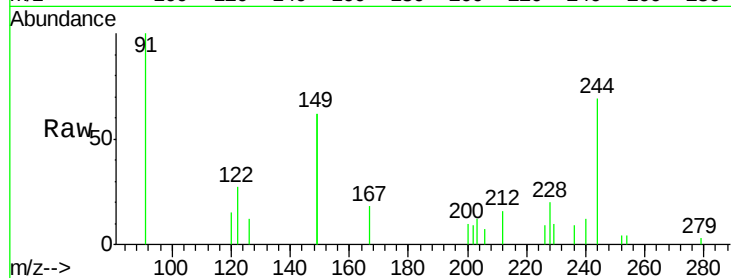
Tot Ion:244 Resp: 4305

Ion Ratio Lower Upper

244 100

212 22.5 25.4 38.0#

122 38.4 8.1 12.1#



#30

Benzo(a)anthracene

Concen: 0.987 ng

RT: 21.73 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BE096265.D

Acq: 1 May 2018 19:54

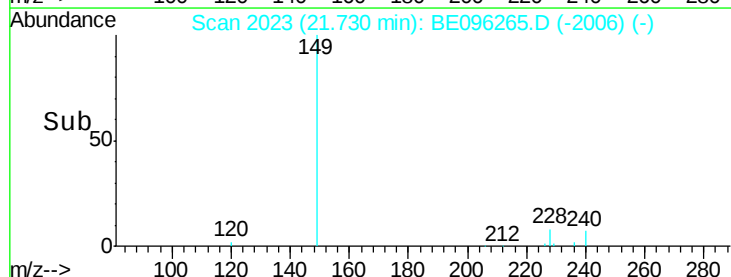
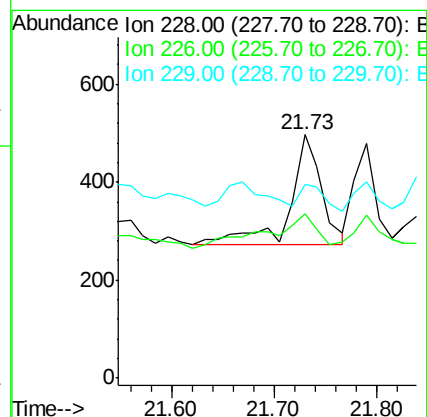
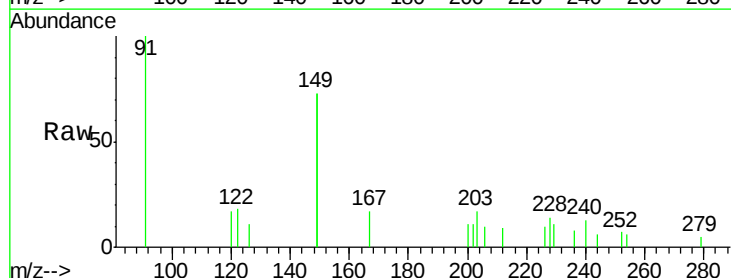
Tgt Ion:228 Resp: 481

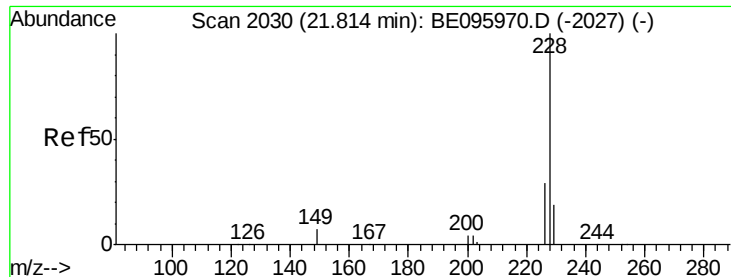
Ion Ratio Lower Upper

228 100

226 67.4 24.0 36.0#

229 79.7 16.0 24.0#





#31

Chrysene

Concen: 0.822 ng

RT: 21.73 min Scan# 2023

Delta R.T. -0.06 min

Lab File: BE096265.D

Acq: 1 May 2018 19:54

Instrument :

BNA_E

ClientSampleId :

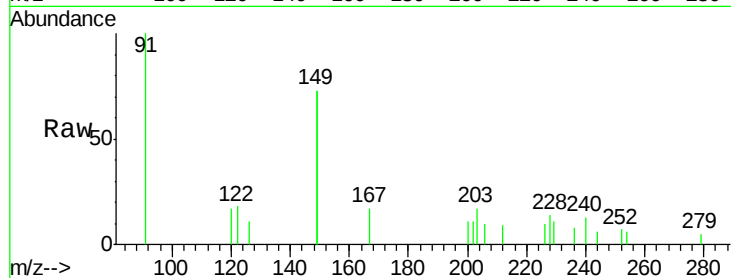
Tot Ion:228 Resp: 387

Ion Ratio Lower Upper

228 100

226 67.4 24.0 36.0#

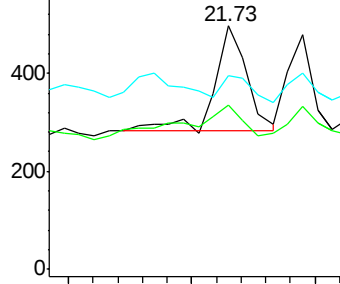
229 79.7 16.0 24.0#



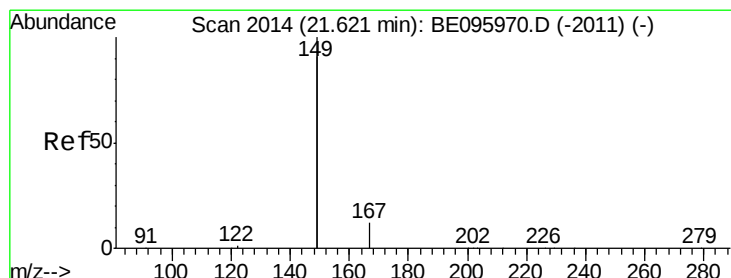
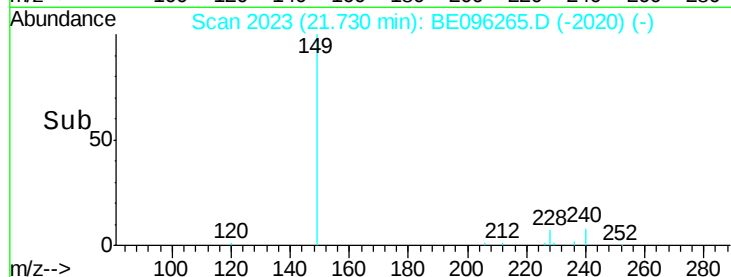
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 1.540 ng

RT: 21.50 min Scan# 2004

Delta R.T. -0.10 min

Lab File: BE096265.D

Acq: 1 May 2018 19:54

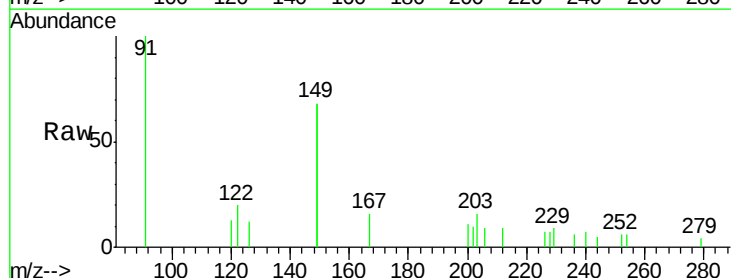
Tgt Ion:149 Resp: 1937

Ion Ratio Lower Upper

149 100

167 0.0 5.4 8.0#

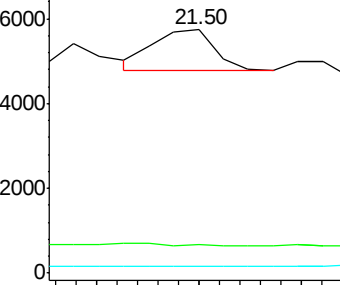
279 0.0 0.7 1.1#



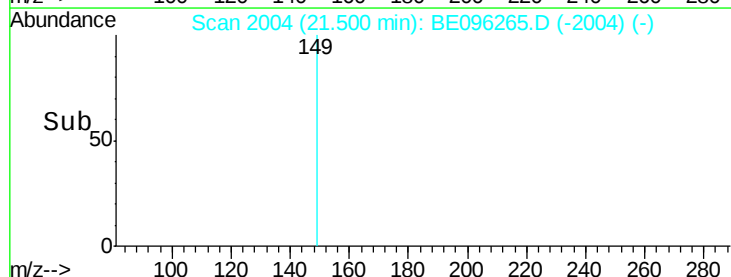
Abundance Ion 149.00 (148.70 to 149.70): E

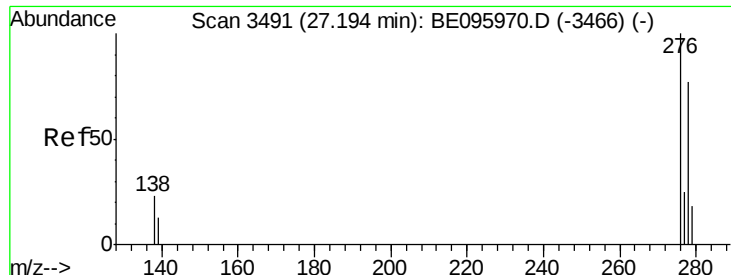
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.574 ng

RT: 27.13 min Scan# 3473

Delta R.T. -0.00 min

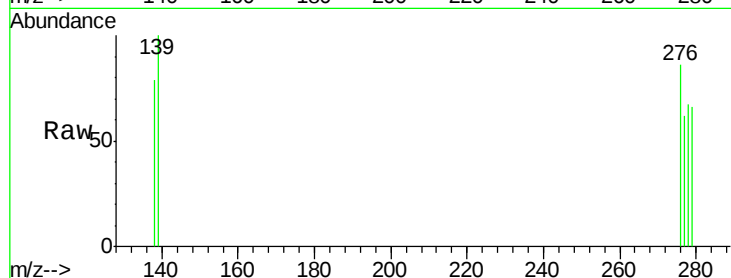
Lab File: BE096265.D

Acq: 1 May 2018 19:54

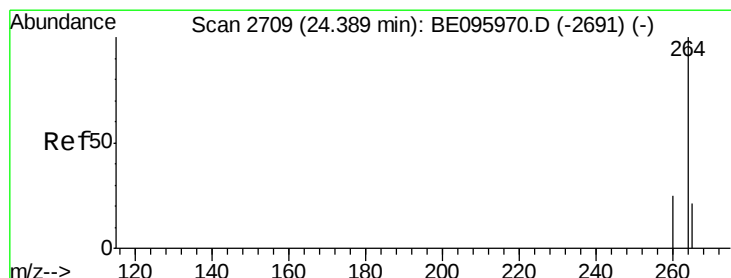
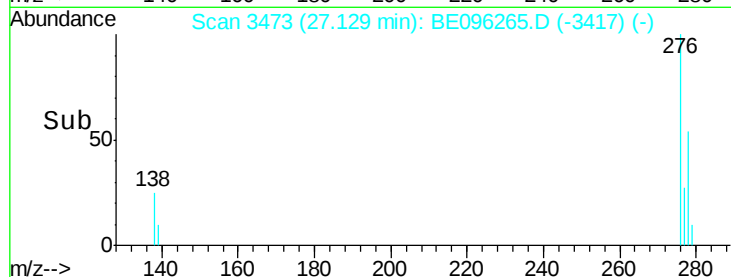
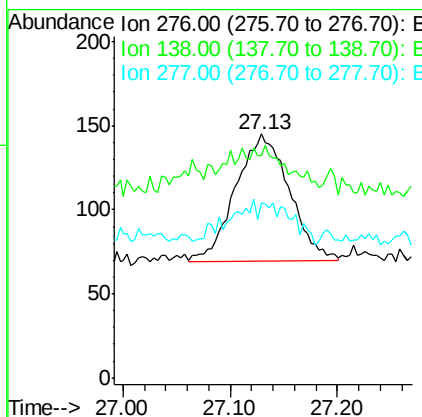
Instrument :

BNA_E

ClientSampleId :



Tot Ion:	276	Resp:	262
Ion	Ratio	Lower	Upper
276	100		
138	0.0	22.5	33.7#
277	7.3	19.9	29.9#



#34

Perylene-d12

Concen: 0.400 ng

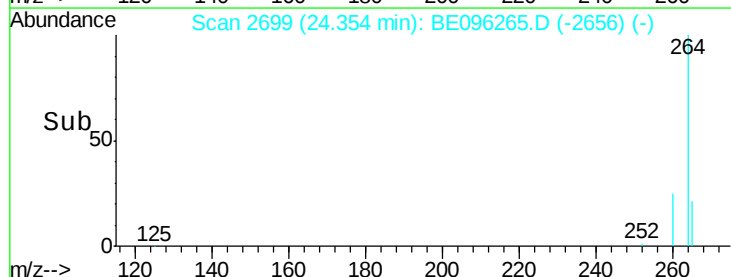
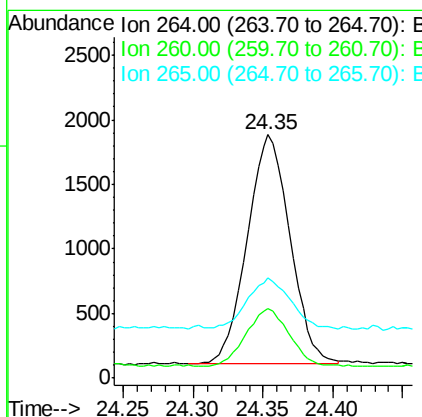
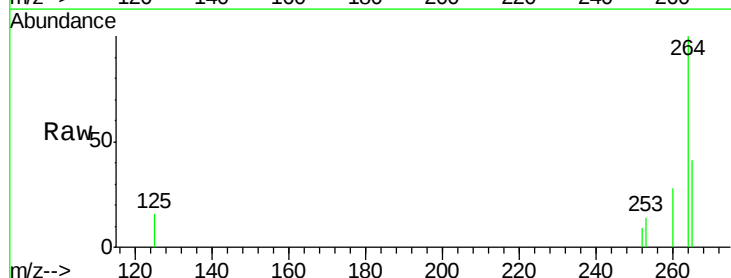
RT: 24.35 min Scan# 2699

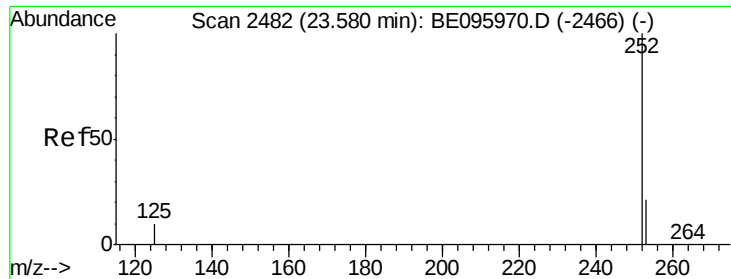
Delta R.T. 0.00 min

Lab File: BE096265.D

Acq: 1 May 2018 19:54

Tgt Ion:	264	Resp:	3803
Ion	Ratio	Lower	Upper
264	100		
260	28.4	20.5	30.7
265	41.0	22.8	34.2#





#35

Benzo(b)fluoranthene

Concen: 0.029 ng

RT: 23.54 min Scan# 2472

Delta R.T. 0.00 min

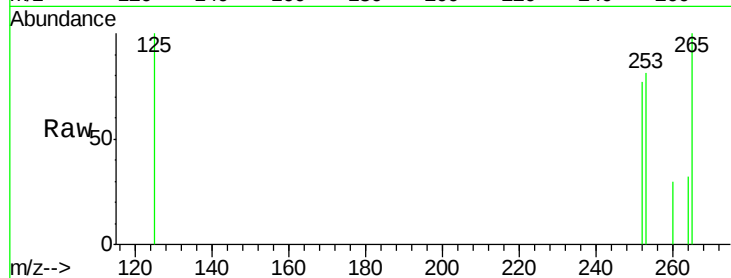
Lab File: BE096265.D

Acq: 1 May 2018 19:54

Instrument :

BNA_E

ClientSampleId :



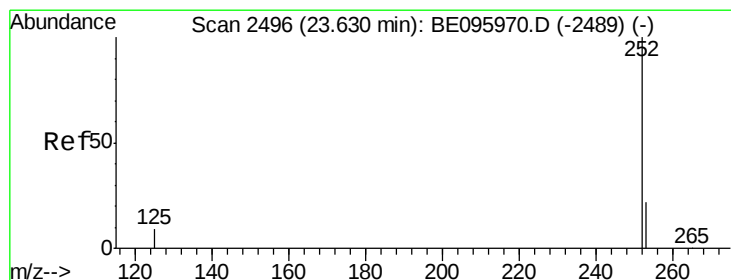
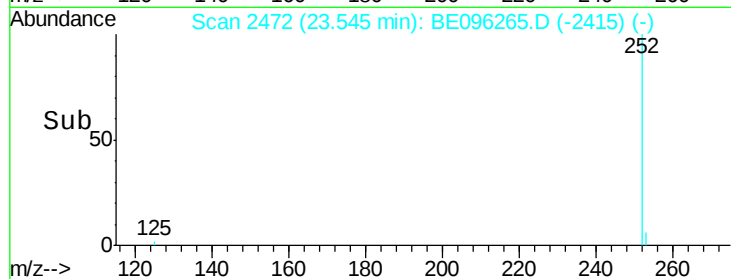
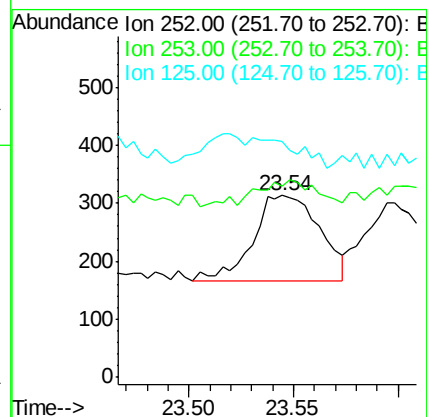
Tot Ion:252 Resp: 331

Ion Ratio Lower Upper

252 100

253 105.4 20.0 30.0#

125 129.7 16.0 24.0#



#36

Benzo(k)fluoranthene

Concen: 0.022 ng

RT: 23.59 min Scan# 2486

Delta R.T. -0.00 min

Lab File: BE096265.D

Acq: 1 May 2018 19:54

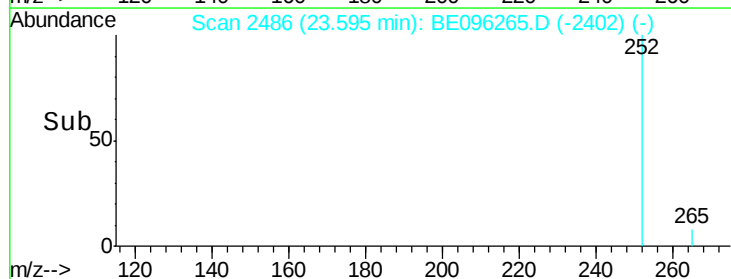
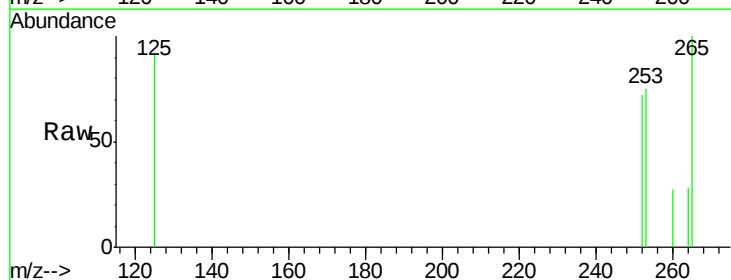
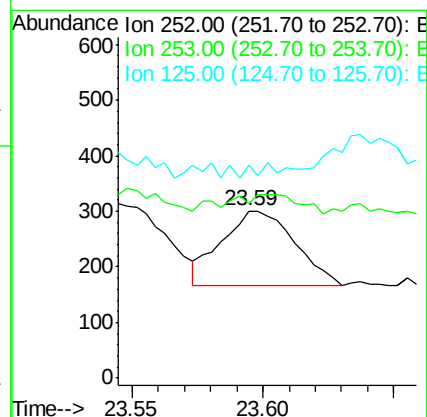
Tgt Ion:252 Resp: 261

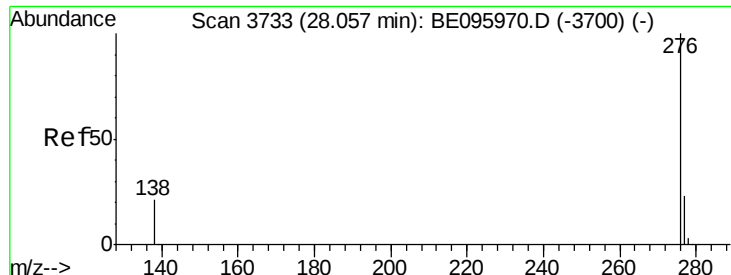
Ion Ratio Lower Upper

252 100

253 104.3 16.0 24.0#

125 127.6 8.0 12.0#





#39

Benzo(a,h,i)perylene

Concen: 0.025 ng

RT: 28.00 min Scan# 3717

Delta R.T. 0.01 min

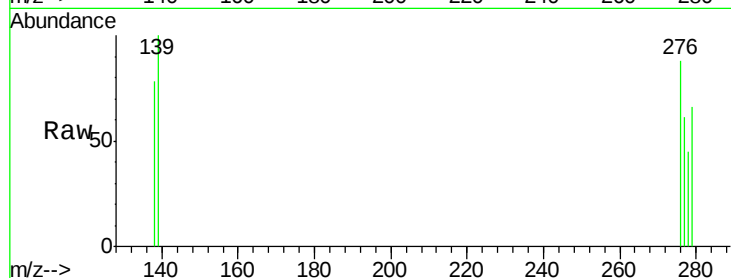
Lab File: BE096265.D

Acq: 1 May 2018 19:54

Instrument :

BNA_E

ClientSampleId :



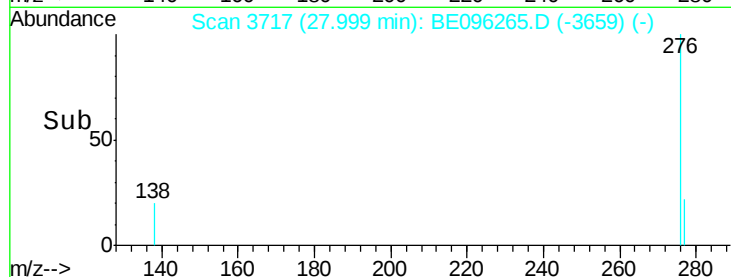
Tot Ion: 276 Resp: 254

Ion Ratio Lower Upper

276 100

277 69.9 16.0 24.0#

138 88.7 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

