

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050218\
 Data File : BE096314.D
 Acq On : 3 May 2018 3:28
 Operator : SJ/JU
 Sample : J2662-03MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 03 04:08:46 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	879	0.40	ng	0.00
7) Naphthalene-d8	11.19	136	3247	0.40	ng	0.00
13) Acenaphthene-d10	14.93	164	1728	0.40	ng	-0.01
19) Phenanthrene-d10	17.65	188	4019	0.40	ng	0.00
27) Chrysene-d12	21.74	240	3802	0.40	ng	0.00
34) Perylene-d12	24.34	264	3599	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.87	112	412	0.15	ng	0.01
5) Phenol-d6	7.52	99	328	0.09	ng	0.01
8) Nitrobenzene-d5	9.45	82	139	0.04	ng	-0.09
11) 2-Methylnaphthalene-d10	12.73	152	1946	0.38	ng	0.00
14) 2,4,6-Tribromophenol	16.41	330	273	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.58	172	4937	0.67	ng	0.00
25) Fluoranthene-d10	19.63	212	20701	0.38	ng	0.00
29) Terphenyl-d14	20.19	244	5036	0.60	ng	0.00

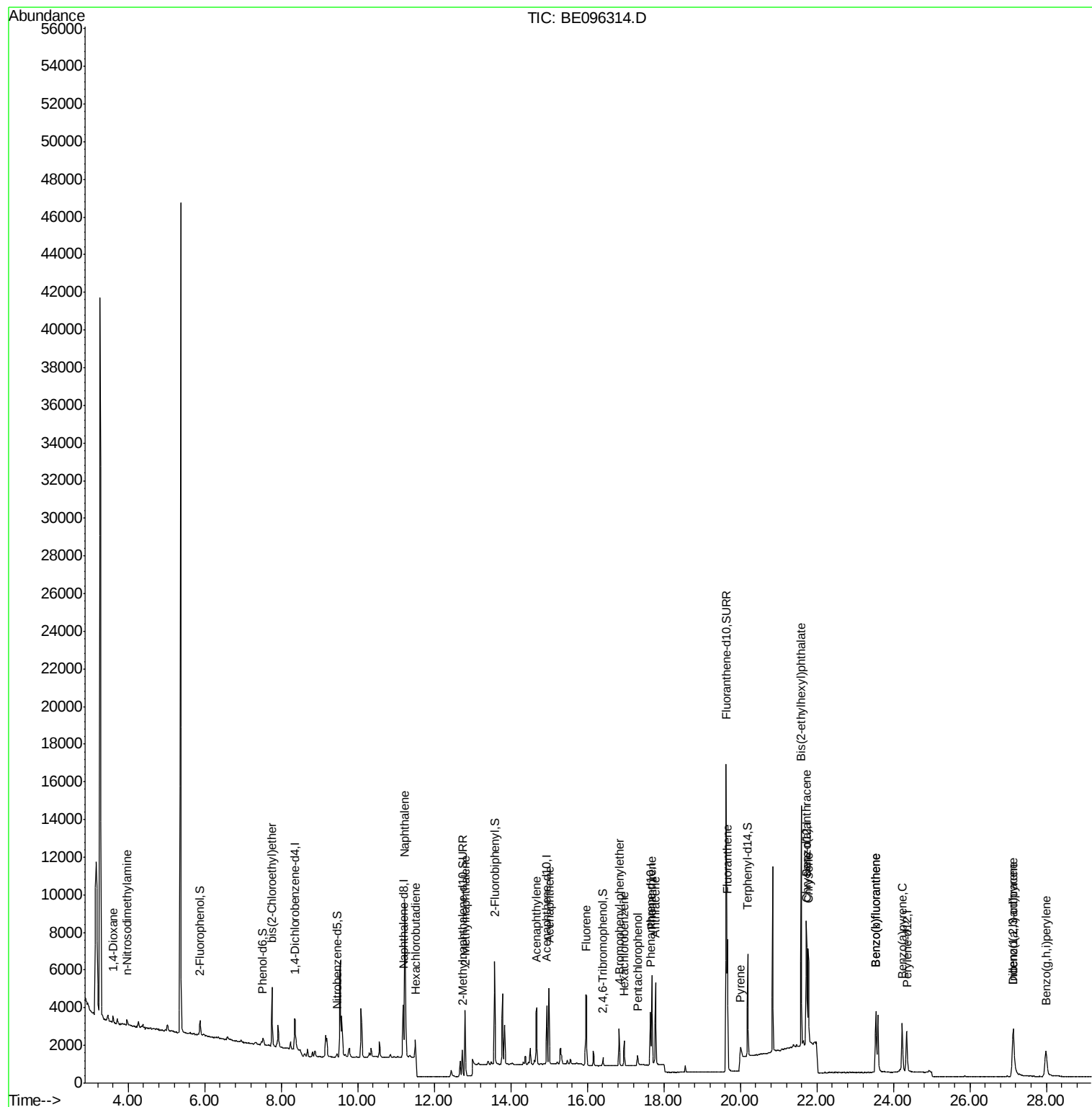
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.60	88	232	0.171	ng	# 55
3) n-Nitrosodimethylamine	3.97	42	244	0.147	ng	# 67
6) bis(2-Chloroethyl)ether	7.76	93	1158	0.351	ng	92
9) Naphthalene	11.23	128	14145	0.413	ng	99
10) Hexachlorobutadiene	11.50	225	563	0.371	ng	88
12) 2-Methylnaphthalene	12.80	142	2395	0.423	ng	96
16) Acenaphthylene	14.67	152	3786	0.410	ng	99
17) Acenaphthene	15.00	154	2187	0.394	ng	91
18) Fluorene	15.97	166	2986	0.435	ng	# 78
20) 4-Bromophenyl-phenylether	16.83	248	927	0.388	ng	# 83
21) Hexachlorobenzene	16.96	284	941	0.396	ng	# 80
22) Pentachlorophenol	17.31	266	345	0.450	ng	# 76
23) Phenanthrene	17.68	178	4813	0.426	ng	99
24) Anthracene	17.78	178	4599	0.426	ng	# 95
26) Fluoranthene	19.66	202	6129	0.413	ng	# 97
28) Pyrene	20.00	202	520	0.069	ng	# 70
30) Benzo(a)anthracene	21.73	228	5217	0.428	ng	97
31) Chrysene	21.78	228	5198	0.441	ng	96
32) Bis(2-ethylhexyl)phthalate	21.60	149	13431	0.427	ng	# 99
33) Indeno(1,2,3-cd)pyrene	27.13	276	4410	0.386	ng	# 93
35) Benzo(b)fluoranthene	23.54	252	4740	0.439	ng	# 91
36) Benzo(k)fluoranthene	23.54	252	4740	0.427	ng	93
37) Benzo(a)pyrene	24.23	252	4459	0.430	ng	# 91
38) Dibenzo(a,h)anthracene	27.14	278	3215	0.351	ng	94
39) Benzo(g,h,i)perylene	27.99	276	4028	0.416	ng	# 92

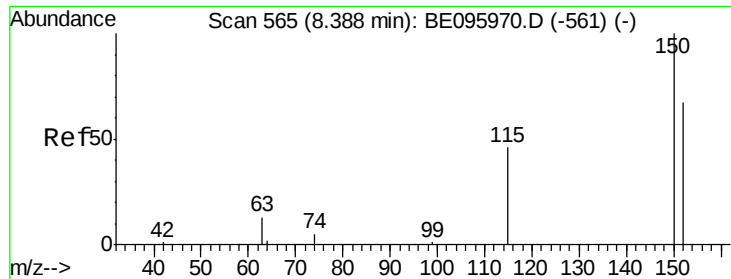
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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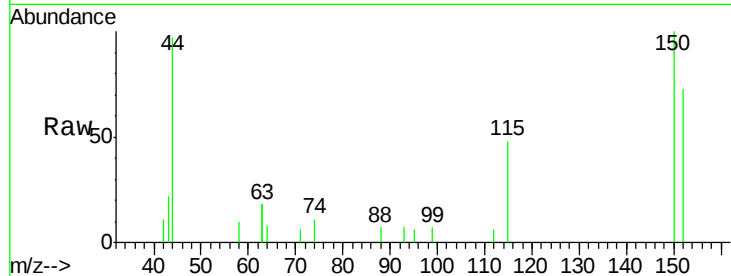




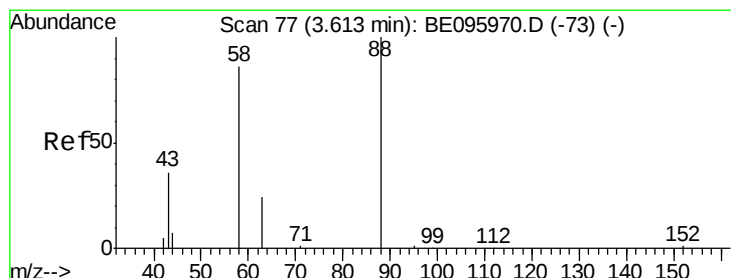
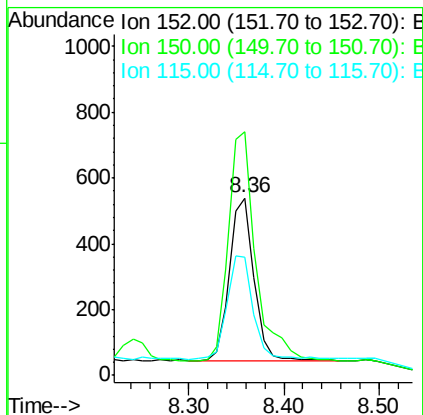
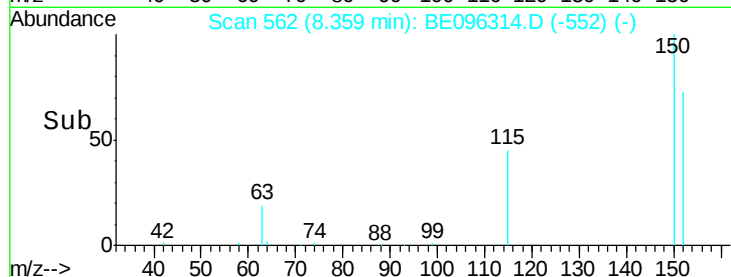
#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.36 min Scan# 562
Delta R.T. 0.00 min
Lab File: BE096314.D
Acq: 3 May 2018 3:28

Instrument :
BNA_E
ClientSampled :



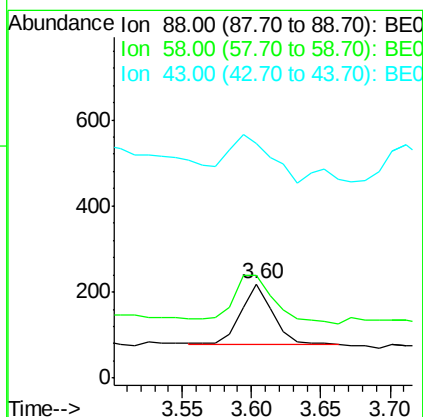
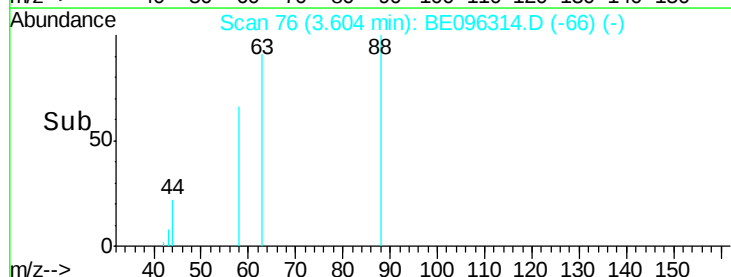
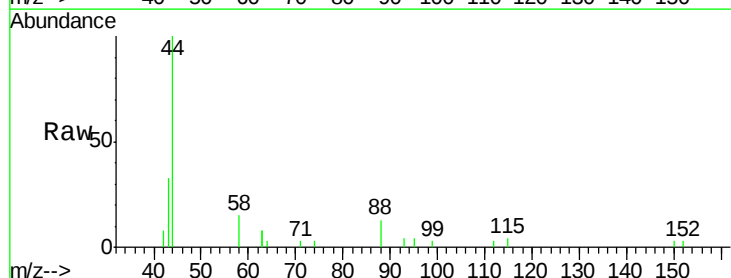
Tot Ion:152 Resp: 879
Ion Ratio Lower Upper
152 100
150 137.0 117.2 175.8
115 66.3 57.0 85.6

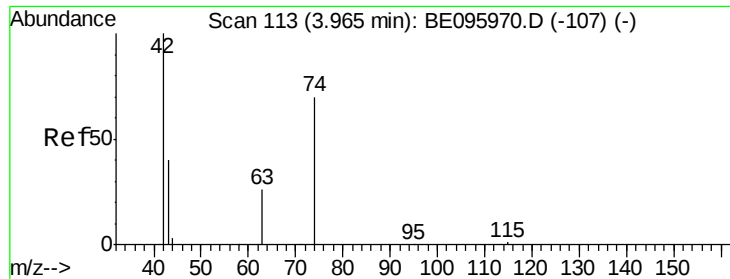


#2

1,4-Dioxane
Concen: 0.171 ng
RT: 3.60 min Scan# 76
Delta R.T. 0.00 min
Lab File: BE096314.D
Acq: 3 May 2018 3:28

Tgt Ion: 88 Resp: 232
Ion Ratio Lower Upper
88 100
58 106.0 63.2 94.8#
43 97.4 41.2 61.8#



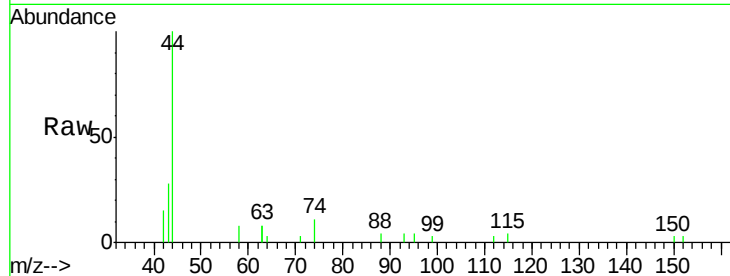


#3

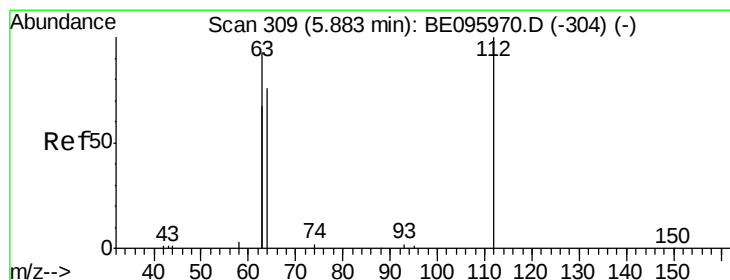
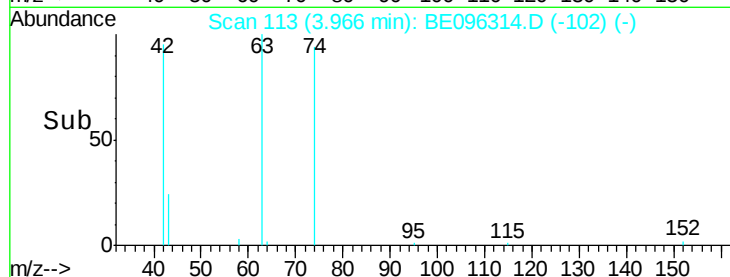
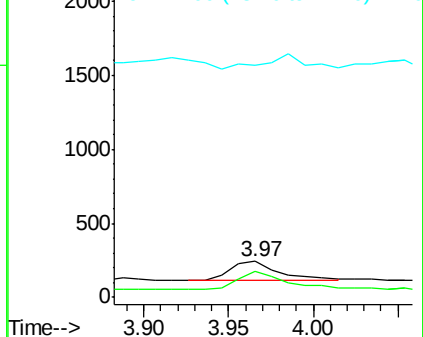
n-Nitrosodimethylamine
 Concen: 0.147 ng
 RT: 3.97 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: BE096314.D
 Acq: 3 May 2018 3:28

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
74	94.3	96.0	144.0#
44	60.2	12.0	18.0#



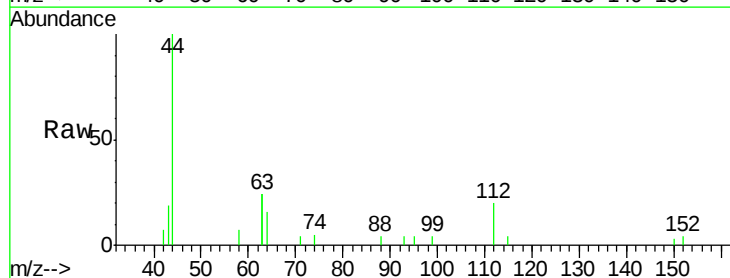
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



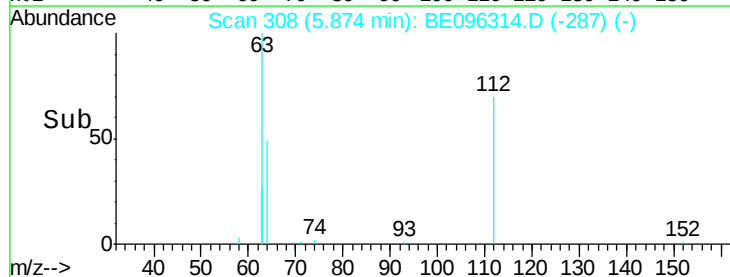
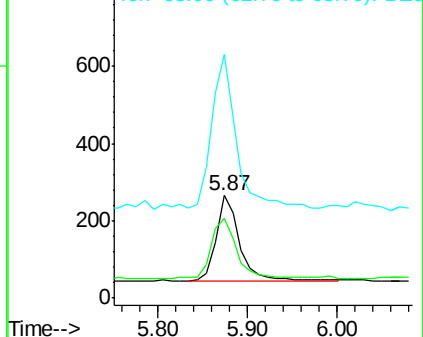
#4

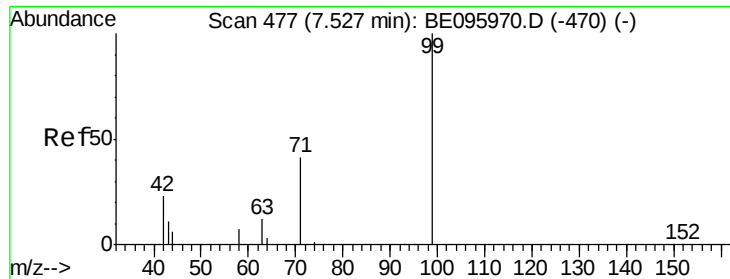
2-Fluorophenol
 Concen: 0.152 ng
 RT: 5.87 min Scan# 308
 Delta R.T. 0.01 min
 Lab File: BE096314.D
 Acq: 3 May 2018 3:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.3	60.1	90.1
63	182.3	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: 0.087 ng

RT: 7.52 min Scan# 476

Delta R.T. 0.01 min

Lab File: BE096314.D

Acq: 3 May 2018 3:28

Instrument :

BNA_E

ClientSampled :

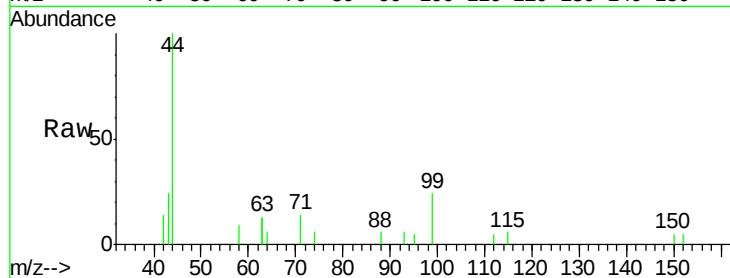
Tot Ion: 99 Resp: 328

Ion Ratio Lower Upper

99 100

42 29.3 20.2 30.2

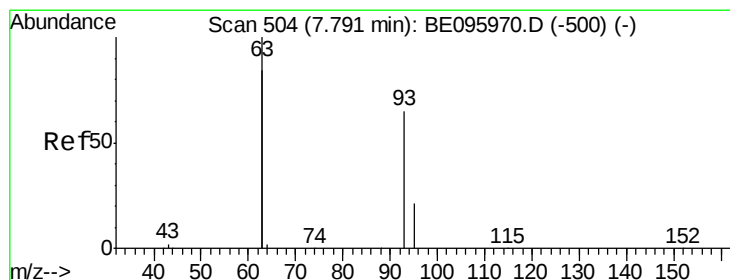
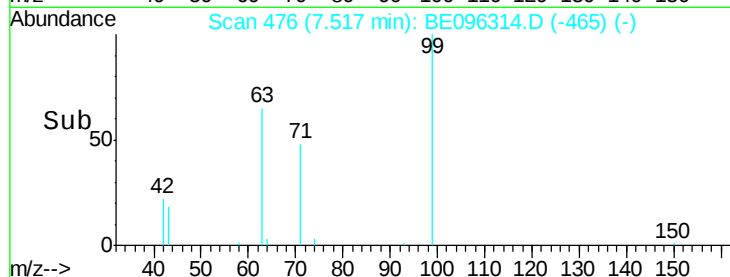
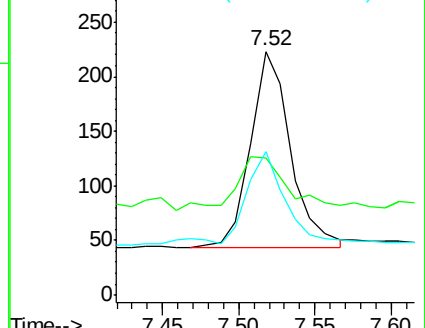
71 48.5 28.4 42.6#



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.351 ng

RT: 7.76 min Scan# 501

Delta R.T. 0.00 min

Lab File: BE096314.D

Acq: 3 May 2018 3:28

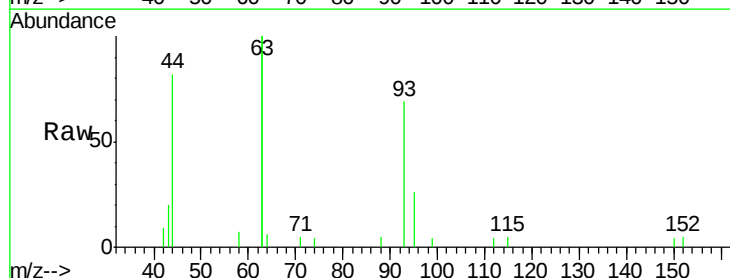
Tgt Ion: 93 Resp: 1158

Ion Ratio Lower Upper

93 100

63 325.4 275.3 412.9

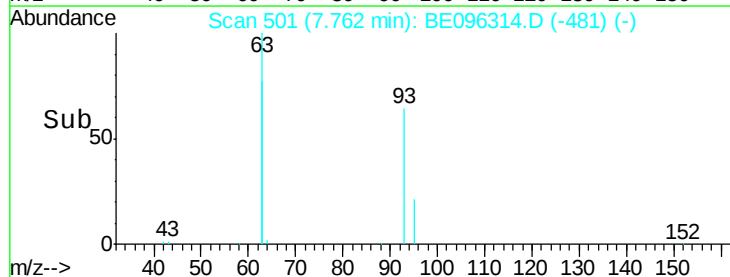
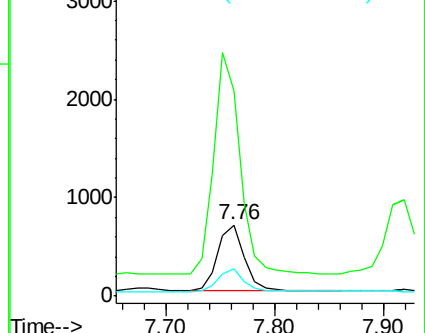
95 32.2 25.2 37.8

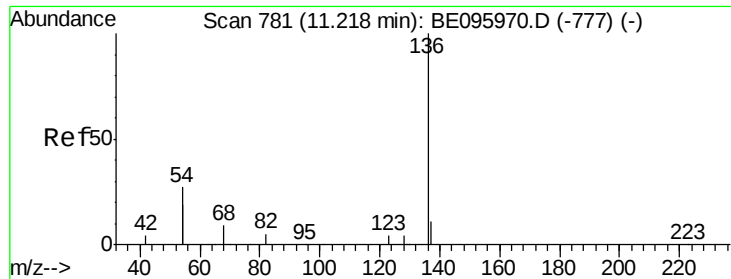


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.19 min Scan# 779

Delta R.T. -0.00 min

Lab File: BE096314.D

Acq: 3 May 2018 3:28

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 3247

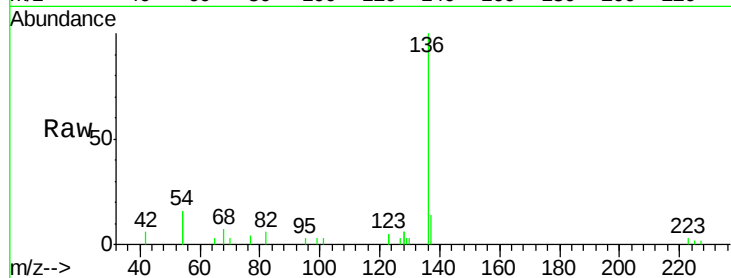
Ion Ratio Lower Upper

136 100

137 14.0 9.5 14.3

54 32.5 29.1 43.7

68 7.0 6.2 9.2

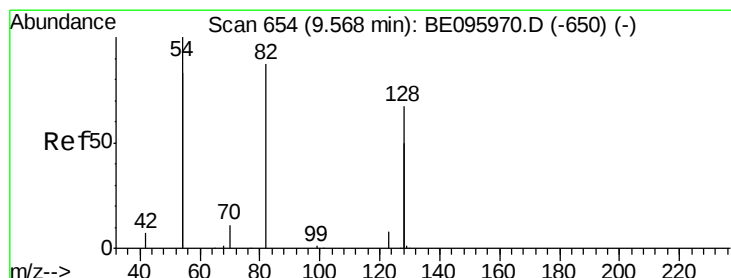
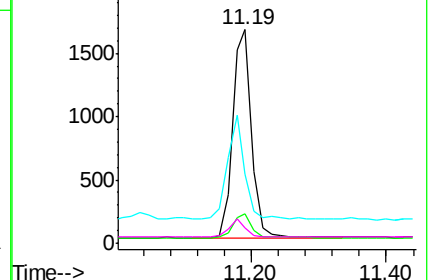
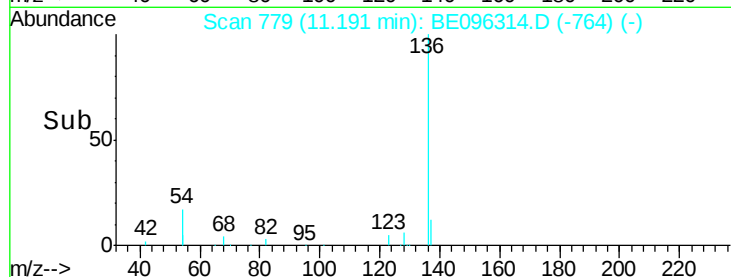


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.036 ng

RT: 9.45 min Scan# 645

Delta R.T. -0.09 min

Lab File: BE096314.D

Acq: 3 May 2018 3:28

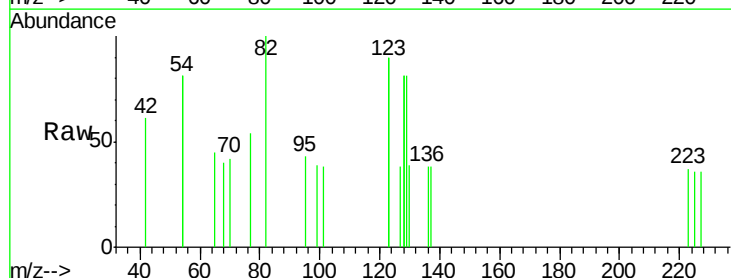
Tgt Ion: 82 Resp: 139

Ion Ratio Lower Upper

82 100

128 161.3 150.0 225.0

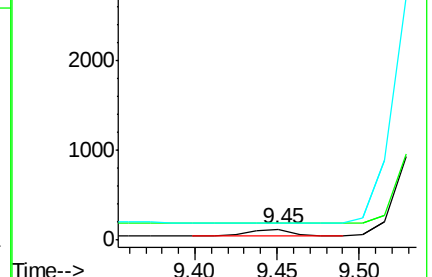
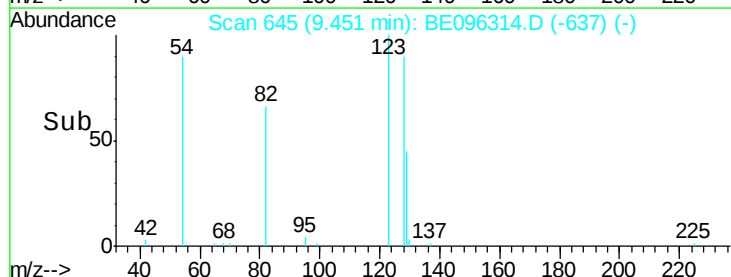
54 161.3 154.2 231.4

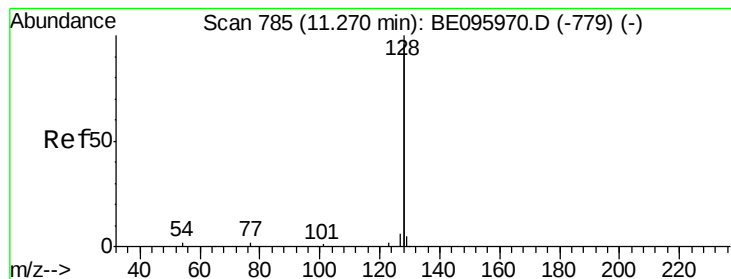


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.413 ng

RT: 11.23 min Scan# 782

Delta R.T. -0.01 min

Lab File: BE096314.D

Acq: 3 May 2018 3:28

Instrument :

BNA_E

ClientSampleId :

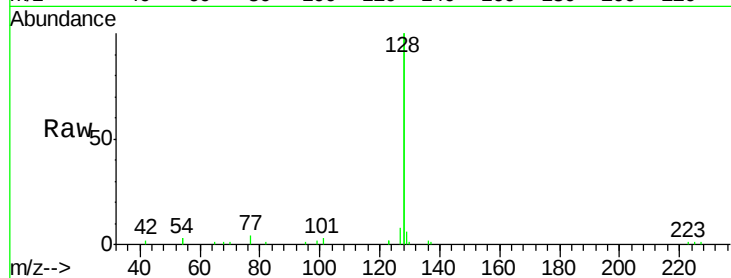
Tot Ion:128 Resp: 14145

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

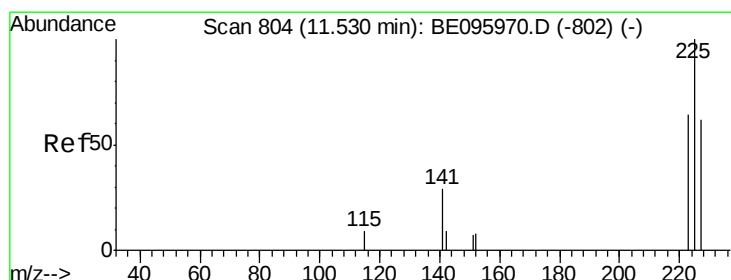
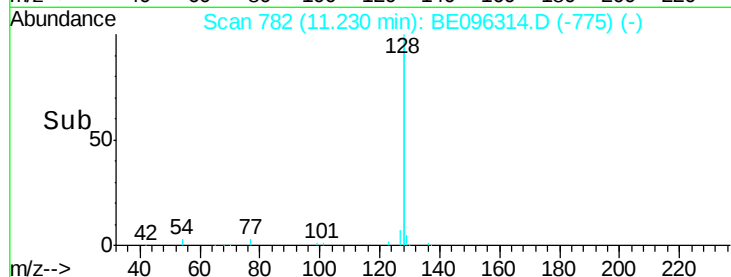
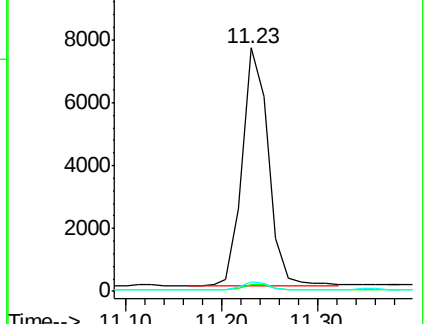
127 4.0 2.8 4.2



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



#10

Hexachlorobutadiene

Concen: 0.371 ng

RT: 11.50 min Scan# 803

Delta R.T. -0.00 min

Lab File: BE096314.D

Acq: 3 May 2018 3:28

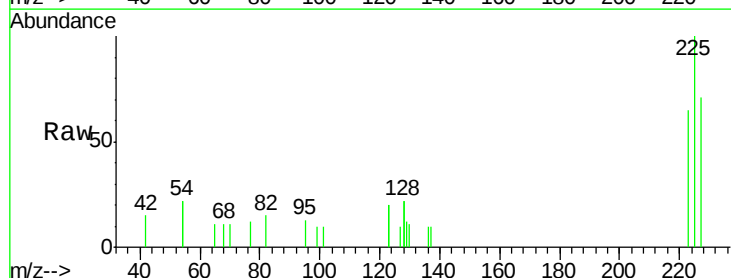
Tgt Ion:225 Resp: 563

Ion Ratio Lower Upper

225 100

223 53.8 53.0 79.6

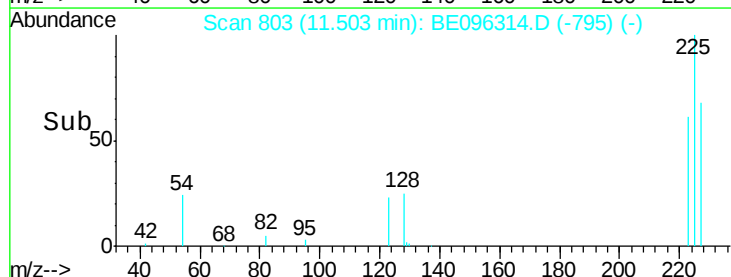
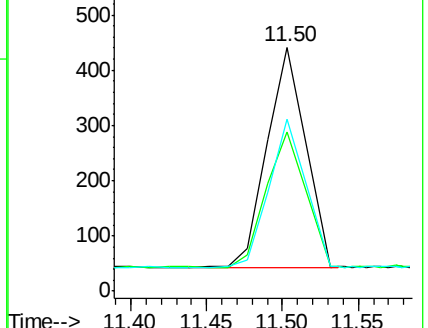
227 57.7 51.4 77.2

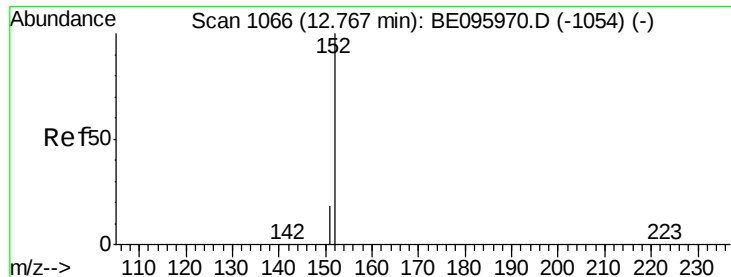


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

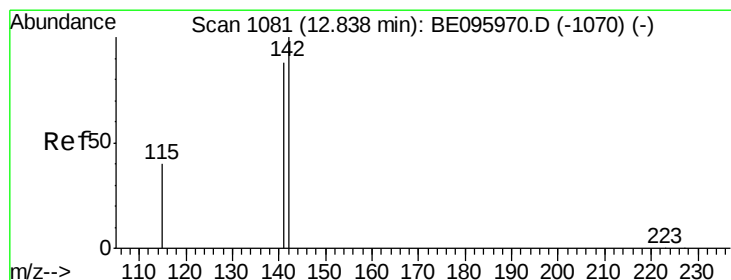
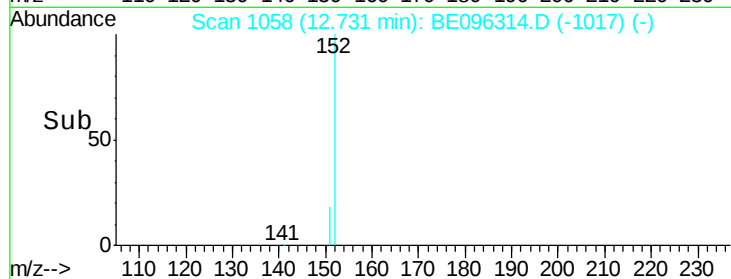
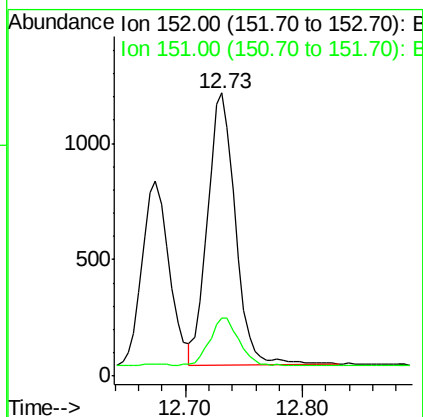
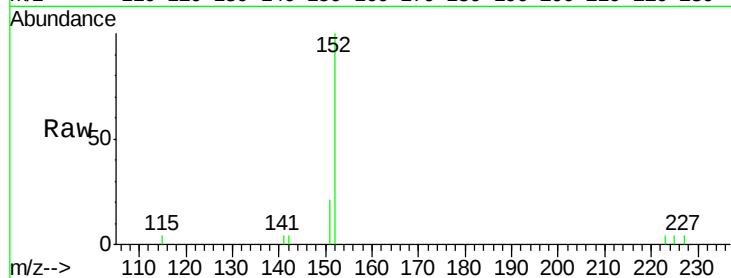




#11
 2-Methylnaphthalene-d10
 Concen: 0.378 ng
 RT: 12.73 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: BE096314.D
 Acq: 3 May 2018 3:28

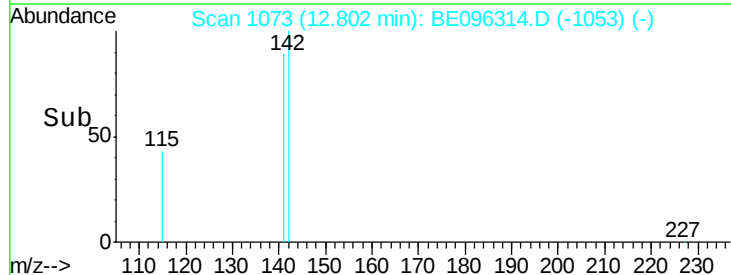
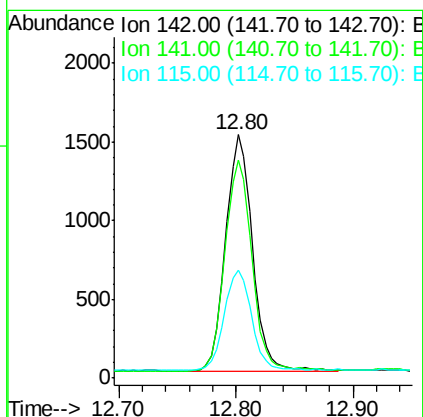
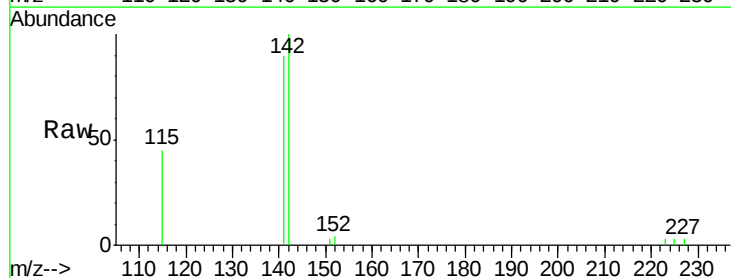
Instrument :
 BNA_E
 ClientSampleId :

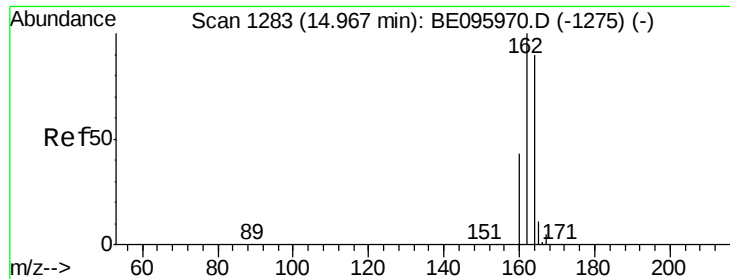
Tot Ion:152 Resp: 1946
 Ion Ratio Lower Upper
 152 100
 151 18.5 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.423 ng
 RT: 12.80 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: BE096314.D
 Acq: 3 May 2018 3:28

Tgt Ion:142 Resp: 2395
 Ion Ratio Lower Upper
 142 100
 141 89.6 70.4 105.6
 115 44.6 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: BE096314.D

Acq: 3 May 2018 3:28

Instrument :

BNA_E

ClientSampleId :

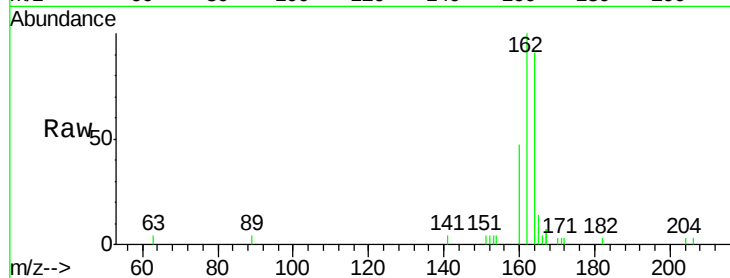
Tot Ion:164 Resp: 1728

Ion Ratio Lower Upper

164 100

162 109.3 83.1 124.7

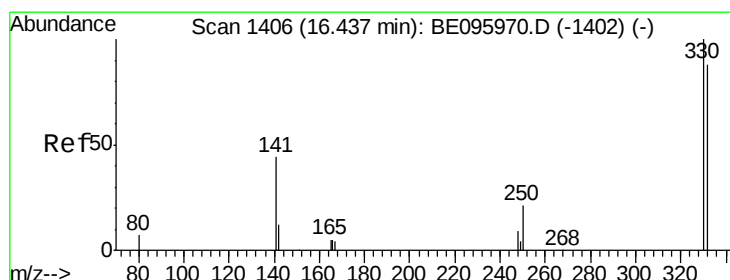
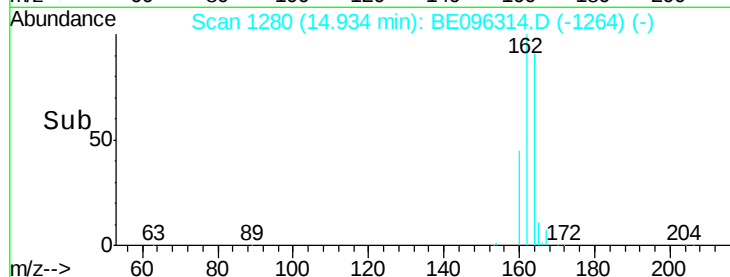
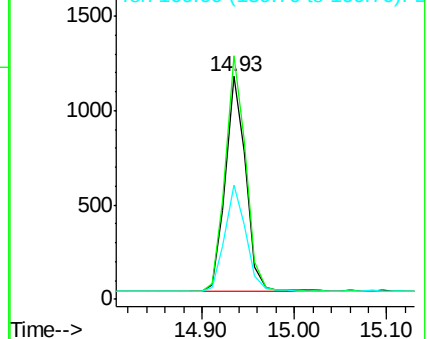
160 51.1 37.1 55.7



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: 0.327 ng

RT: 16.41 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BE096314.D

Acq: 3 May 2018 3:28

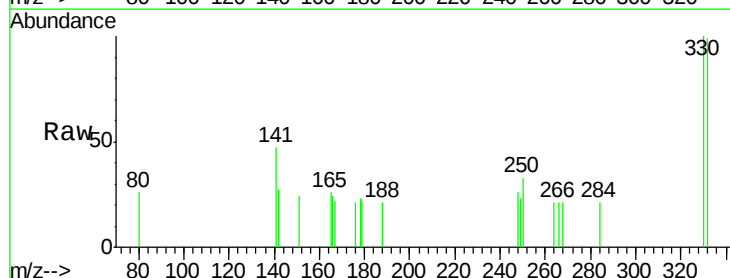
Tgt Ion:330 Resp: 273

Ion Ratio Lower Upper

330 100

332 99.3 152.7 229.1#

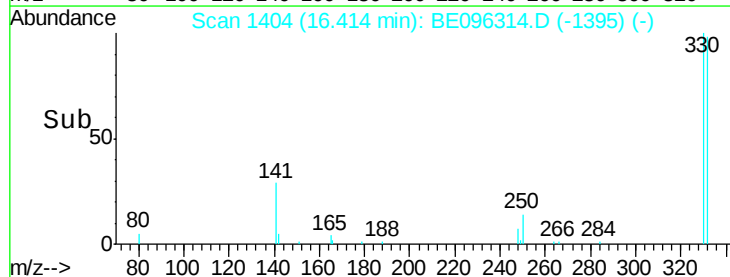
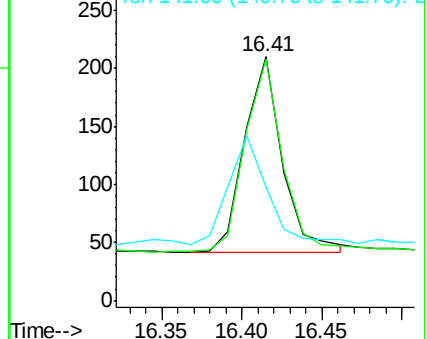
141 59.0 33.7 50.5#

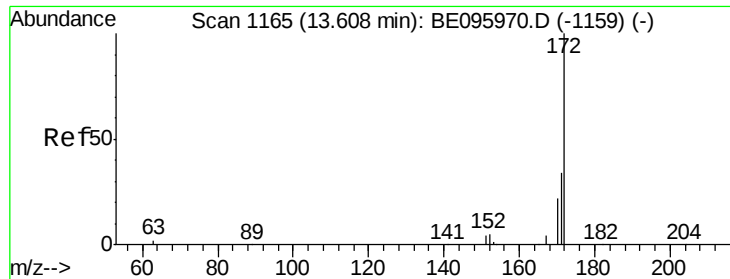


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

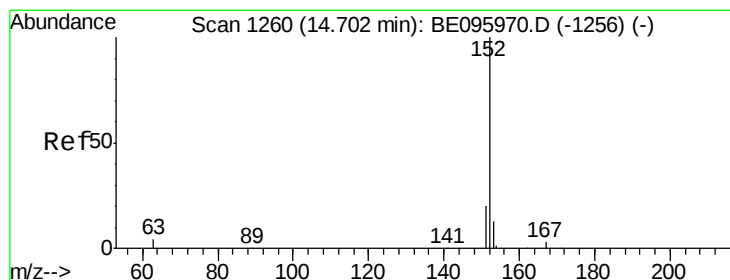
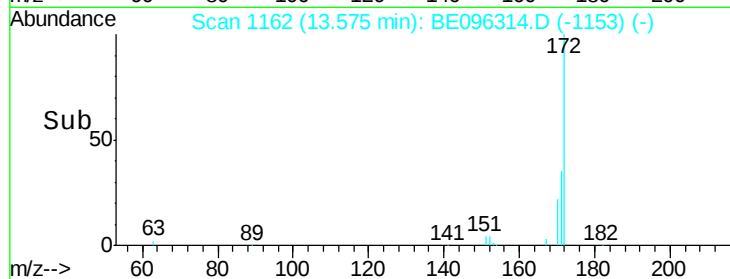
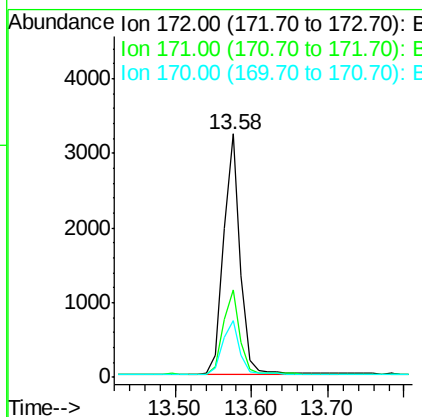
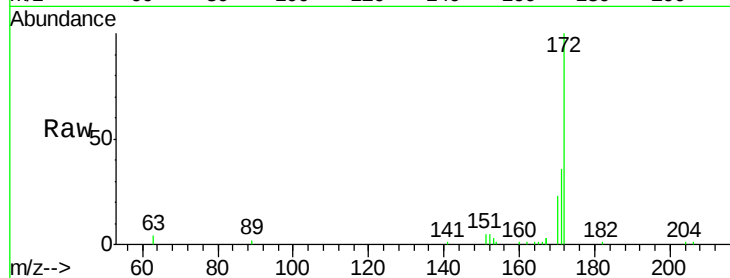




#15
2-Fluorobiphenyl
Concen: 0.668 ng
RT: 13.58 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BE096314.D
Acq: 3 May 2018 3:28

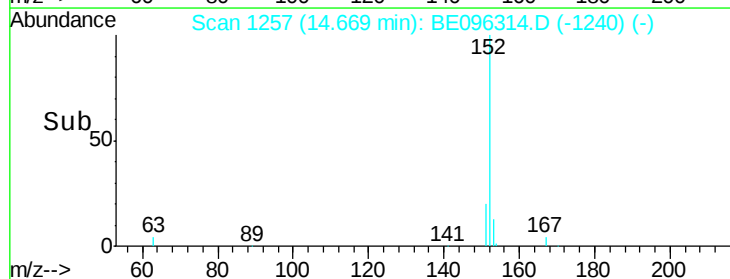
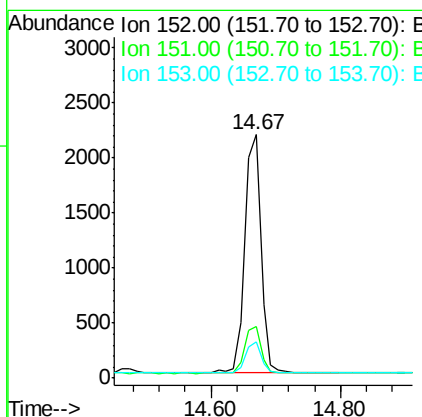
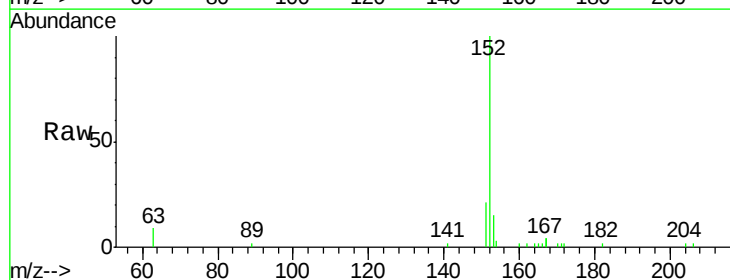
Instrument :
BNA_E
ClientSampleId :

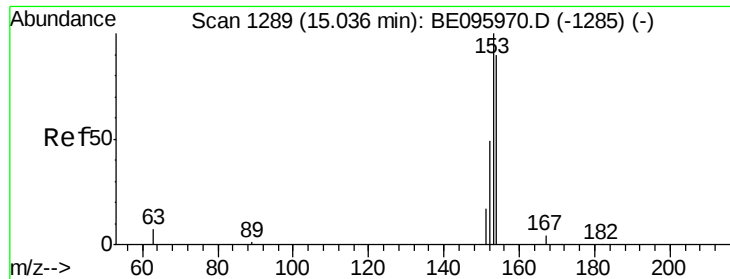
Tot Ion:172 Resp: 4937
Ion Ratio Lower Upper
172 100
171 35.9 29.9 44.9
170 23.3 21.8 32.8



#16
Acenaphthylene
Concen: 0.410 ng
RT: 14.67 min Scan# 1257
Delta R.T. 0.00 min
Lab File: BE096314.D
Acq: 3 May 2018 3:28

Tgt Ion:152 Resp: 3786
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 12.6 10.5 15.7





#17

Acenaphthene

Concen: 0.394 ng

RT: 15.00 min Scan# 1286

Delta R.T. 0.00 min

Lab File: BE096314.D

Acq: 3 May 2018 3:28

Instrument :

BNA_E

ClientSampleId :

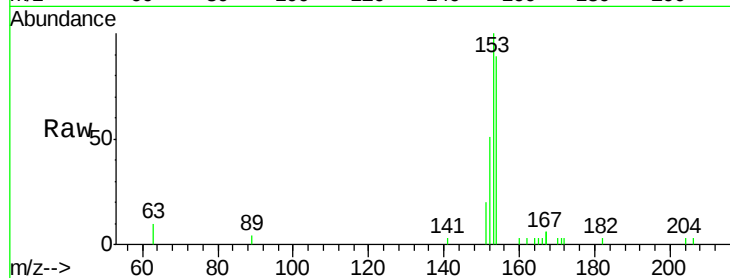
Tot Ion:154 Resp: 2187

Ion Ratio Lower Upper

154 100

153 118.4 89.2 133.8

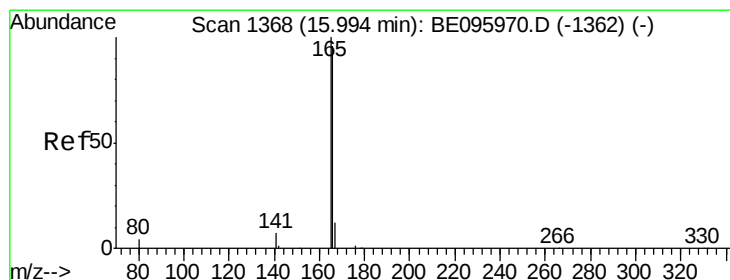
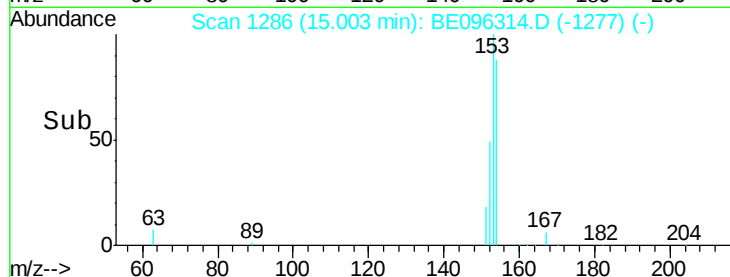
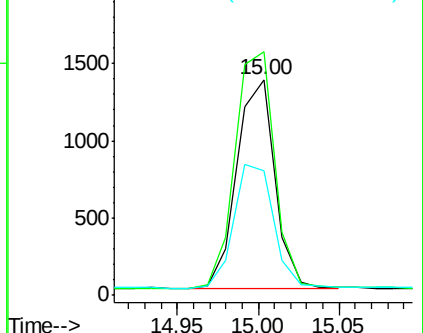
152 62.2 42.0 63.0



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: 0.435 ng

RT: 15.97 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BE096314.D

Acq: 3 May 2018 3:28

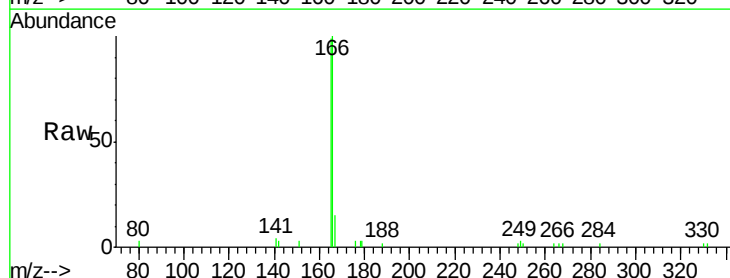
Tgt Ion:166 Resp: 2986

Ion Ratio Lower Upper

166 100

165 100.7 77.8 116.6

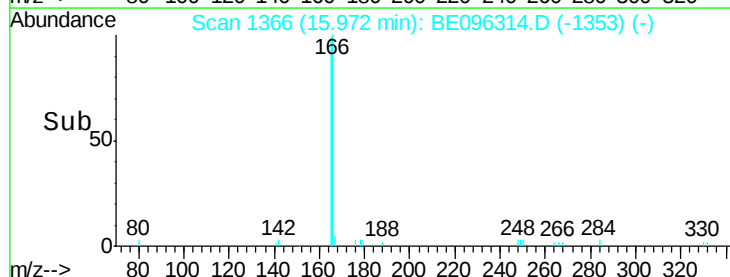
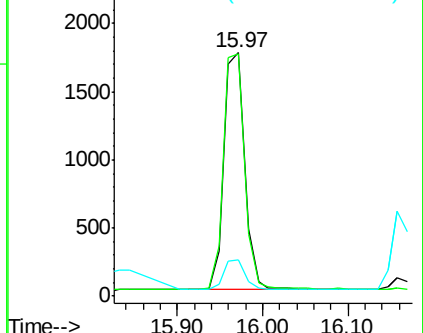
167 13.0 42.4 63.6#

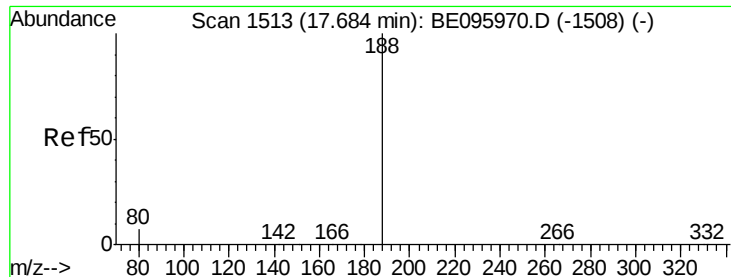


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE096314.D

Acq: 3 May 2018 3:28

Instrument :

BNA_E

ClientSampleId :

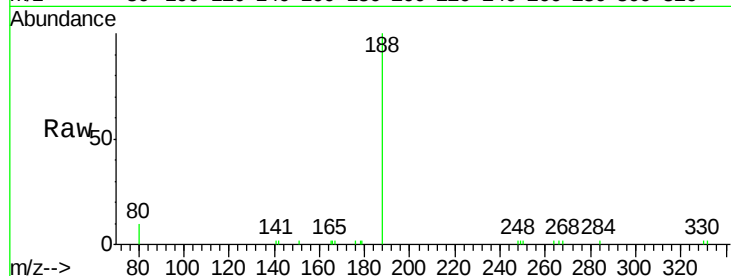
Tot Ion:188 Resp: 4019

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

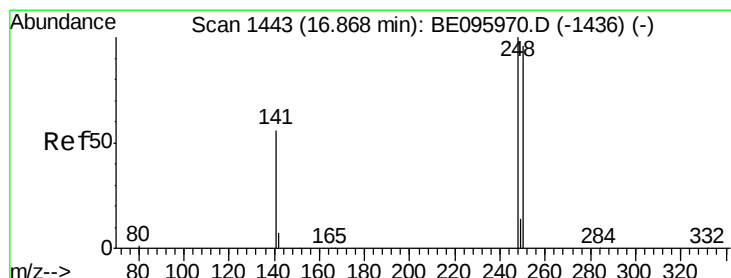
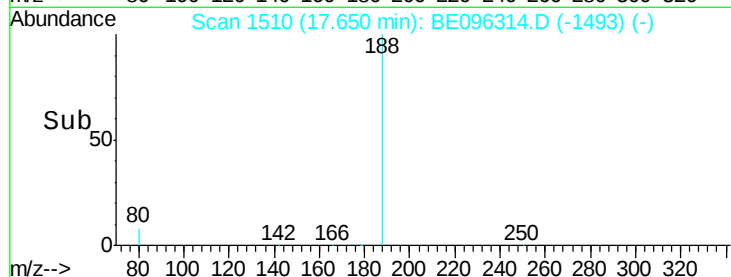
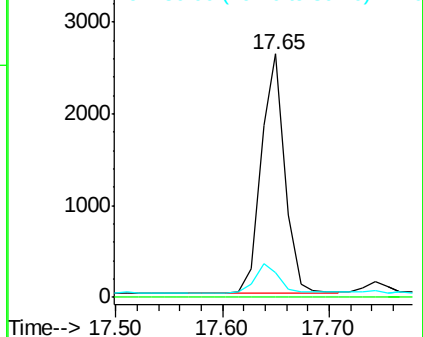
80 10.0 3.6 5.4#



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: 0.388 ng

RT: 16.83 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BE096314.D

Acq: 3 May 2018 3:28

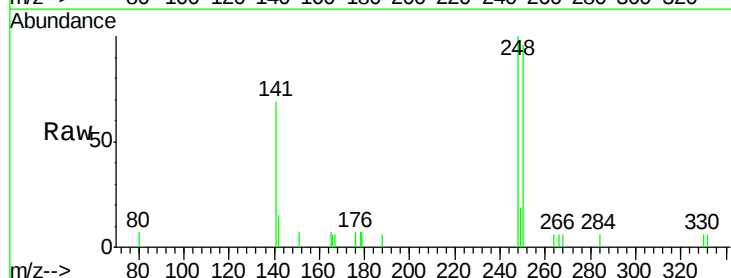
Tgt Ion:248 Resp: 927

Ion Ratio Lower Upper

248 100

250 96.3 62.7 94.1#

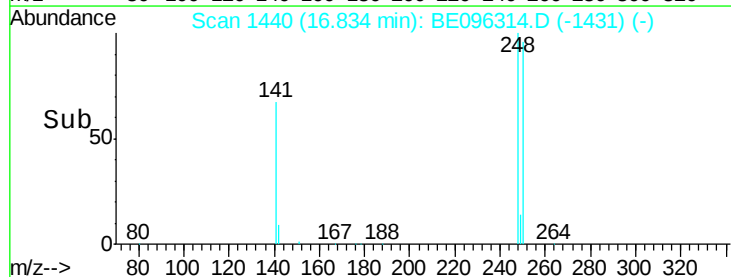
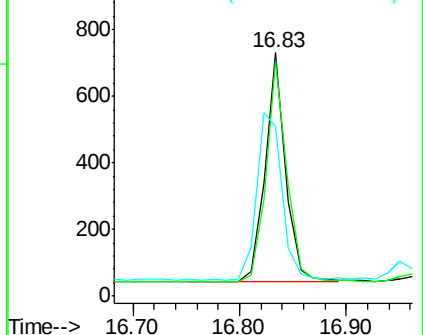
141 69.4 48.2 72.2

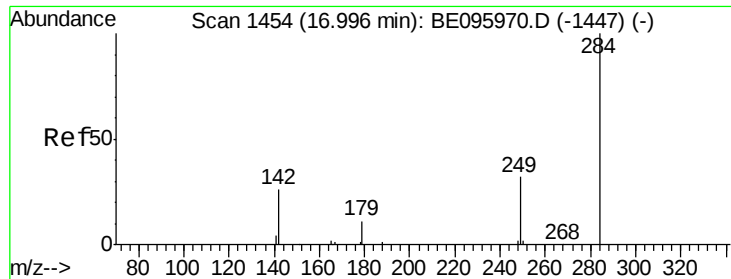


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.396 ng

RT: 16.96 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BE096314.D

Acq: 3 May 2018 3:28

Instrument :

BNA_E

ClientSampled :

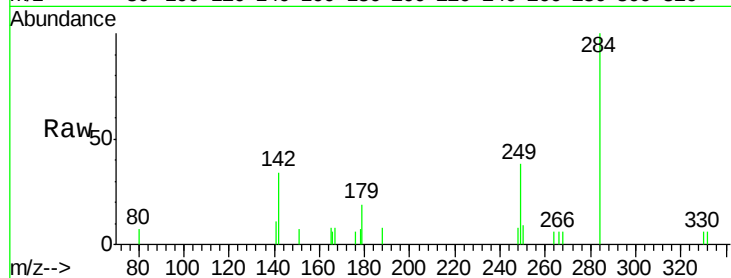
Tot Ion:284 Resp: 941

Ion Ratio Lower Upper

284 100

142 46.1 22.1 33.1#

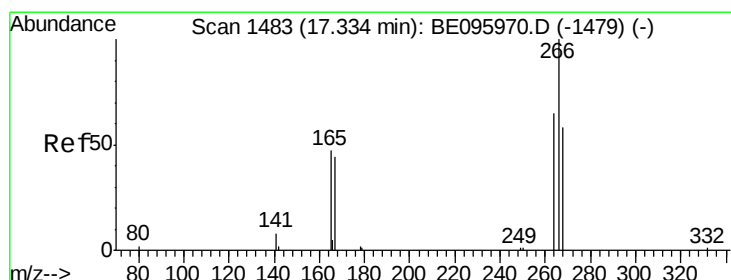
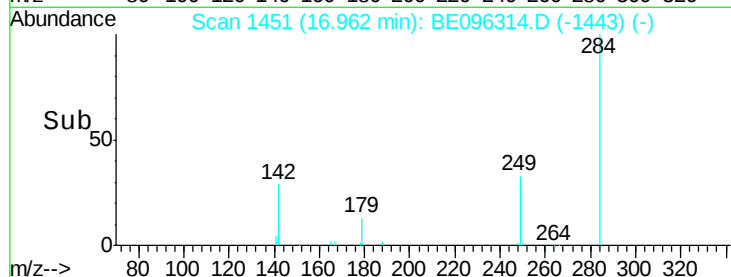
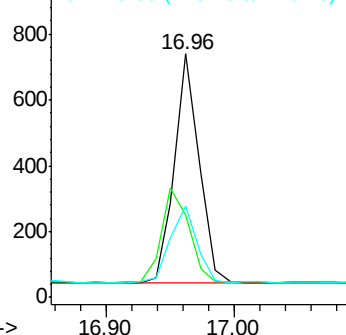
249 36.7 34.8 52.2



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.450 ng

RT: 17.31 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BE096314.D

Acq: 3 May 2018 3:28

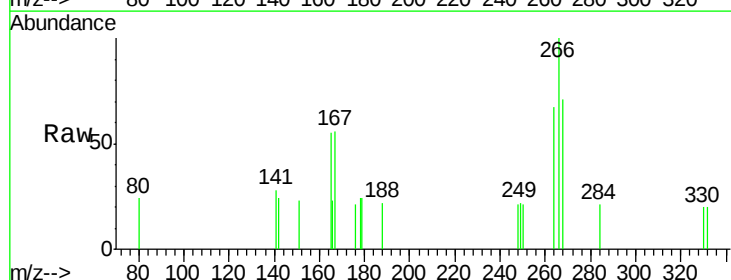
Tgt Ion:266 Resp: 345

Ion Ratio Lower Upper

266 100

264 67.3 72.5 108.7#

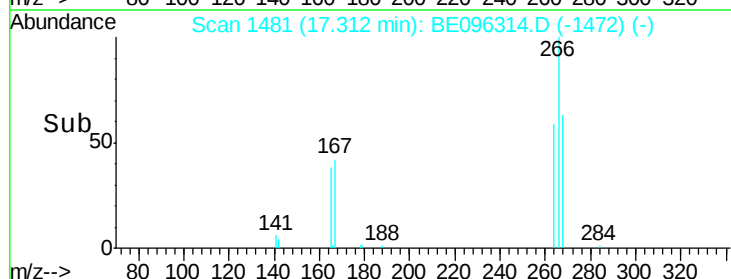
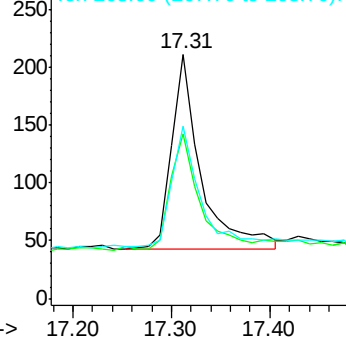
268 70.6 73.8 110.6#

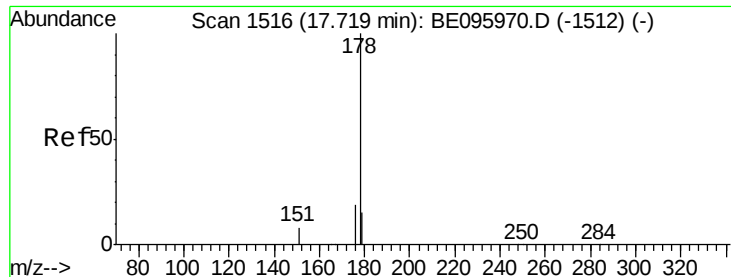


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.426 ng

RT: 17.68 min Scan# 1513

Delta R.T. -0.01 min

Lab File: BE096314.D

Acq: 3 May 2018 3:28

Instrument :

BNA_E

ClientSampleId :

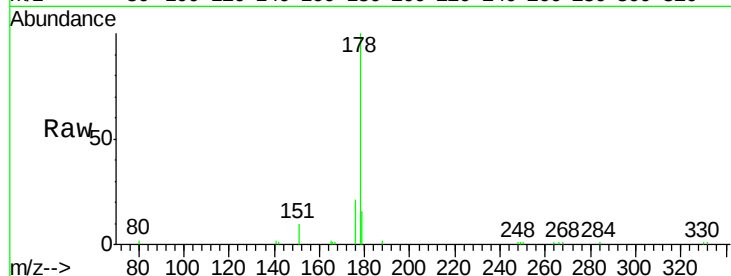
Tot Ion:178 Resp: 4813

Ion Ratio Lower Upper

178 100

176 19.5 15.1 22.7

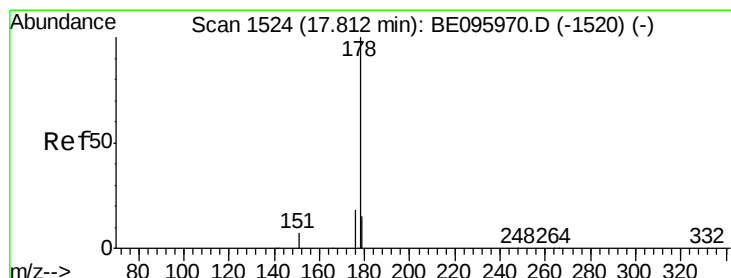
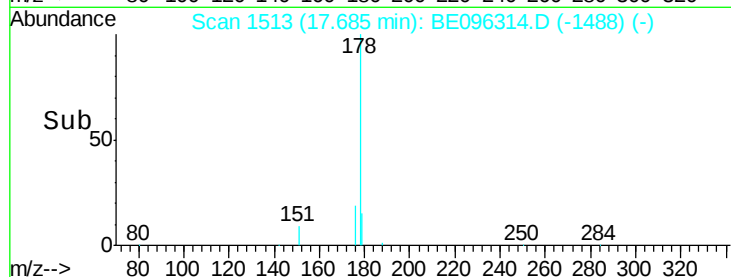
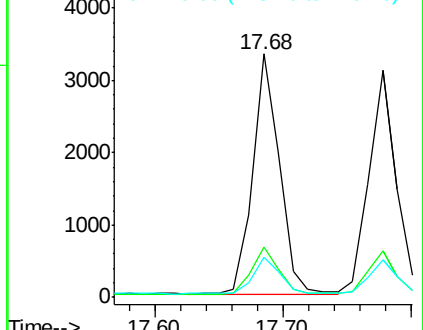
179 15.0 11.8 17.6



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: 0.426 ng

RT: 17.78 min Scan# 1521

Delta R.T. 0.00 min

Lab File: BE096314.D

Acq: 3 May 2018 3:28

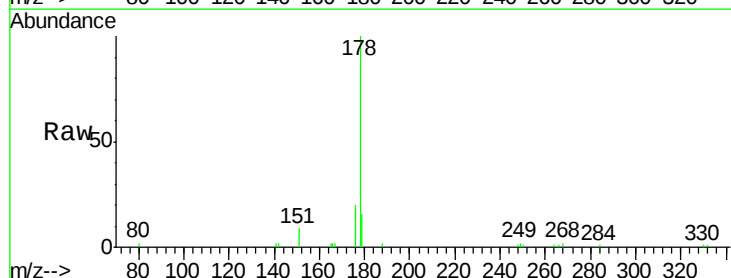
Tgt Ion:178 Resp: 4599

Ion Ratio Lower Upper

178 100

176 19.2 12.8 19.2#

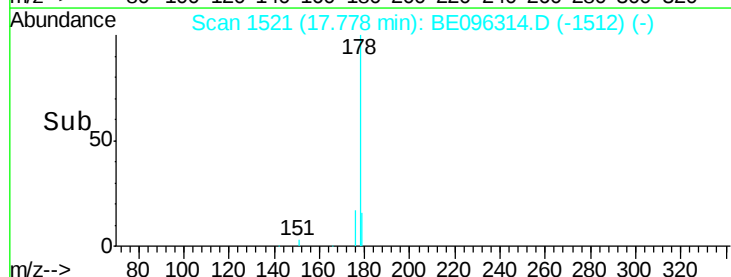
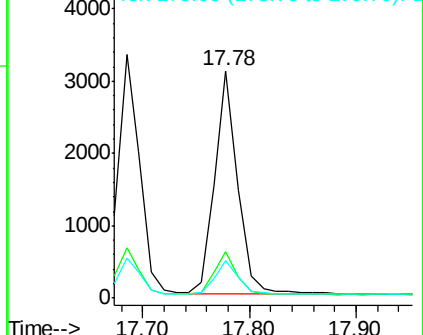
179 15.3 13.0 19.6

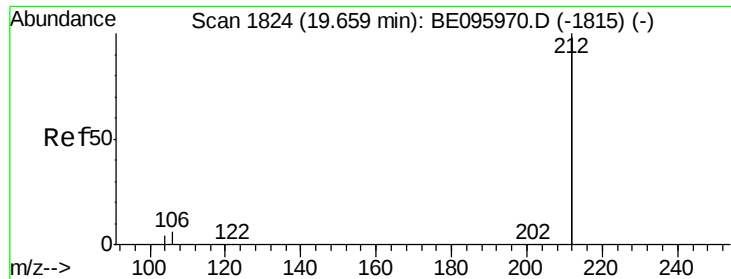


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

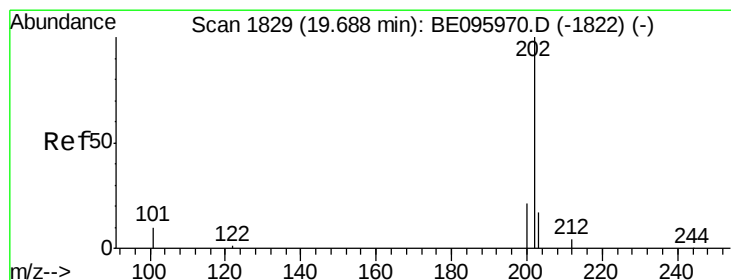
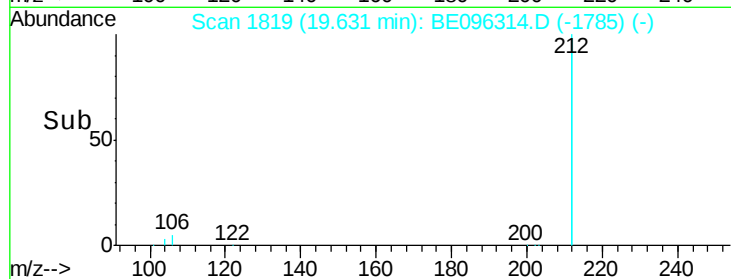
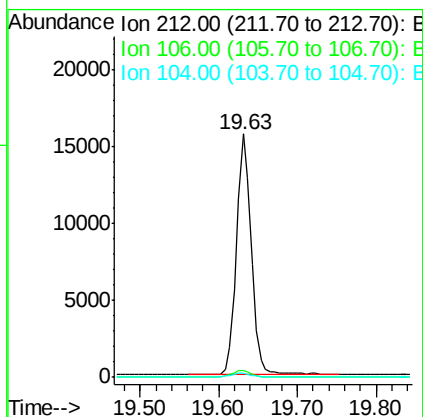
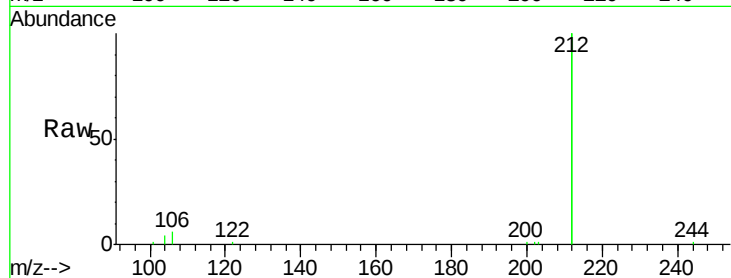




#25
 Fluoranthene-d10
 Concen: 0.379 ng
 RT: 19.63 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BE096314.D
 Acq: 3 May 2018 3:28

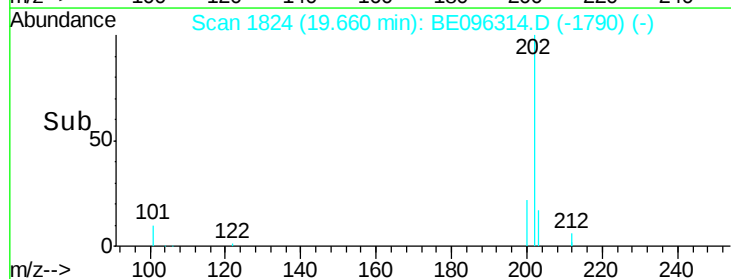
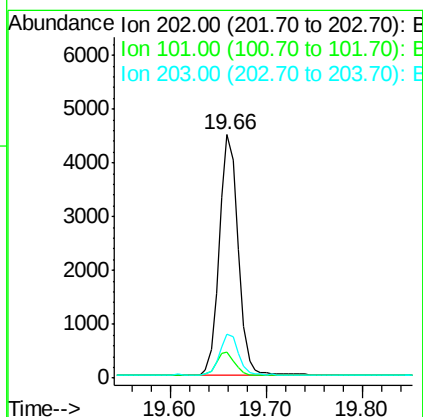
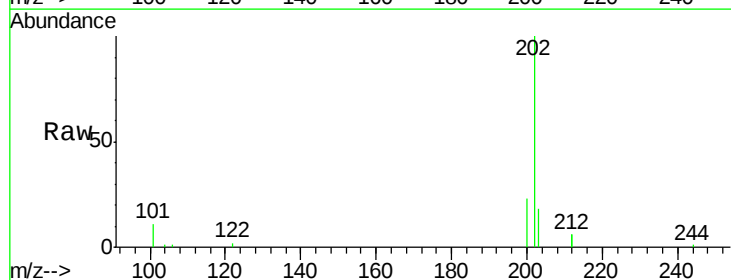
Instrument :
 BNA_E
 ClientSampleId :

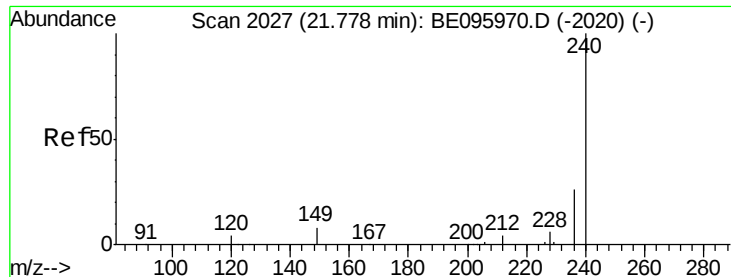
Tot Ion:212 Resp: 20701
 Ion Ratio Lower Upper
 212 100
 106 2.8 2.8 4.2
 104 1.7 1.6 2.4



#26
 Fluoranthene
 Concen: 0.413 ng
 RT: 19.66 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BE096314.D
 Acq: 3 May 2018 3:28

Tgt Ion:202 Resp: 6129
 Ion Ratio Lower Upper
 202 100
 101 9.7 9.8 14.8#
 203 17.0 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.74 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BE096314.D

Acq: 3 May 2018 3:28

Instrument :

BNA_E

ClientSampleId :

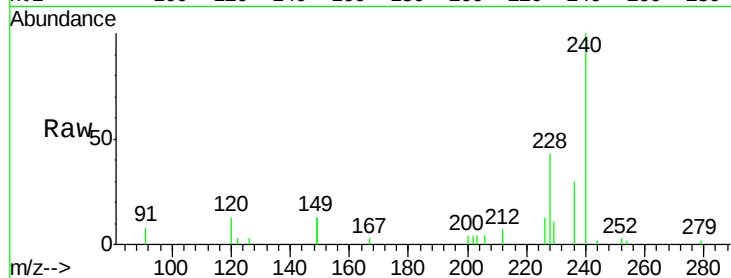
Tot Ion:240 Resp: 3802

Ion Ratio Lower Upper

240 100

120 12.9 5.5 8.3#

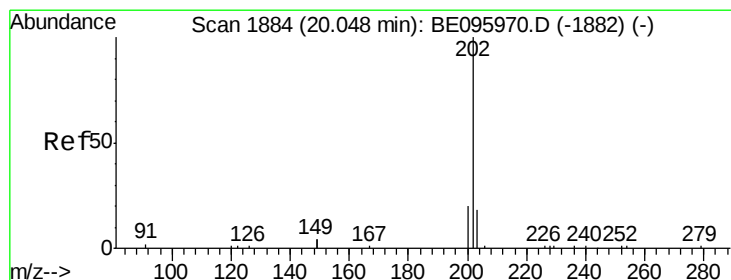
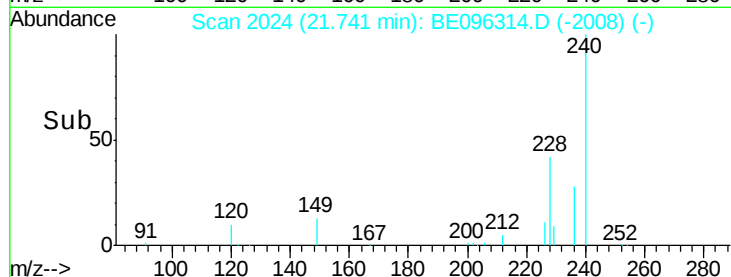
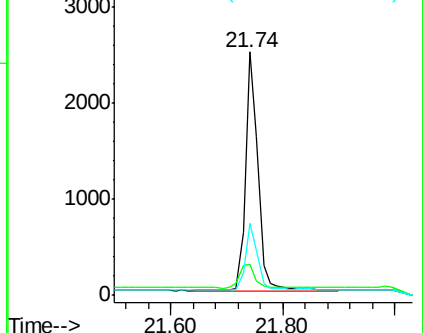
236 29.6 20.7 31.1



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: 0.069 ng

RT: 20.00 min Scan# 1883

Delta R.T. 0.00 min

Lab File: BE096314.D

Acq: 3 May 2018 3:28

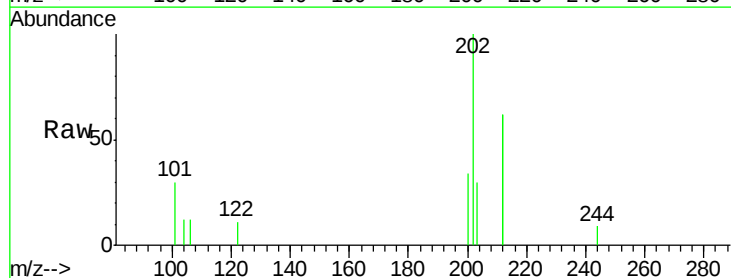
Tgt Ion:202 Resp: 520

Ion Ratio Lower Upper

202 100

200 30.0 16.6 25.0#

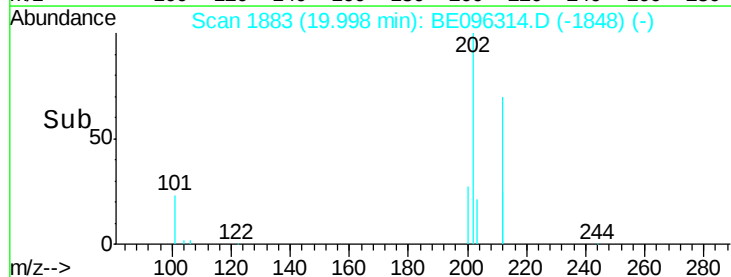
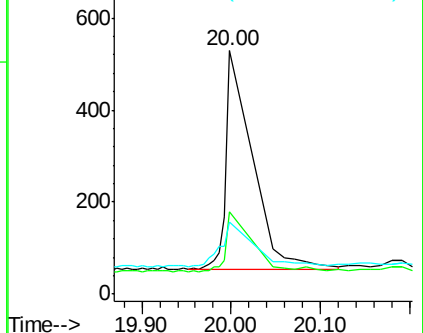
203 36.2 13.8 20.8#

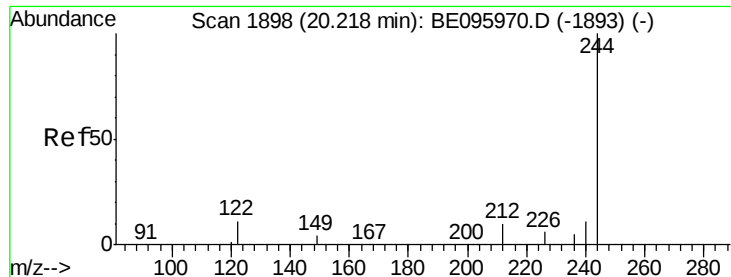


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.600 ng

RT: 20.19 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE096314.D

Acq: 3 May 2018 3:28

Instrument :

BNA_E

ClientSampled :

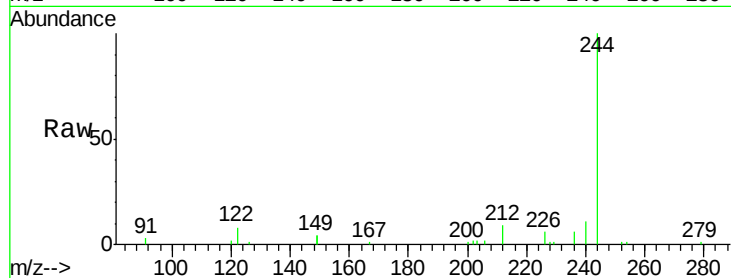
Tot Ion:244 Resp: 5036

Ion Ratio Lower Upper

244 100

212 9.3 25.4 38.0#

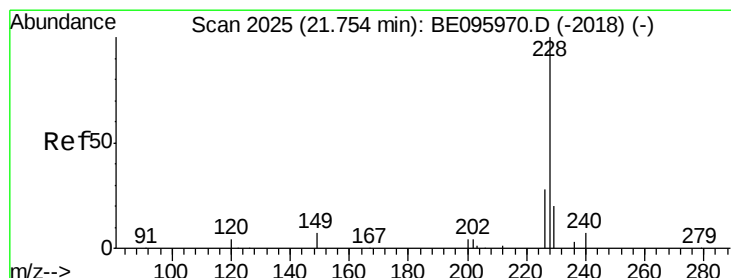
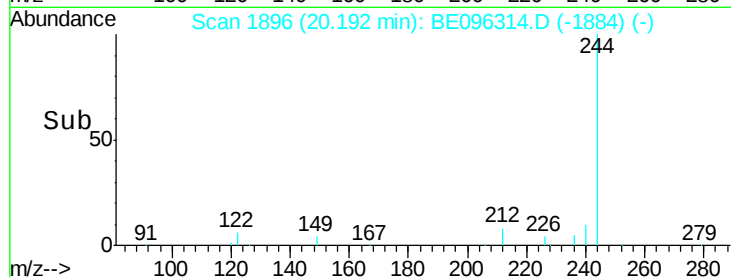
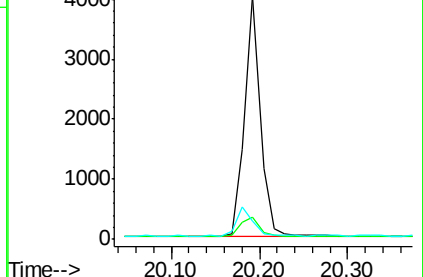
122 7.6 8.1 12.1#



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: 0.428 ng

RT: 21.73 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BE096314.D

Acq: 3 May 2018 3:28

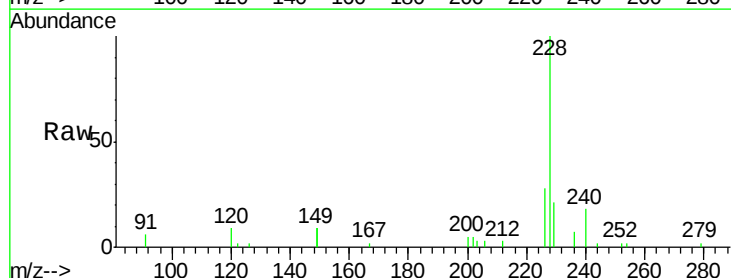
Tgt Ion:228 Resp: 5217

Ion Ratio Lower Upper

228 100

226 28.0 24.0 36.0

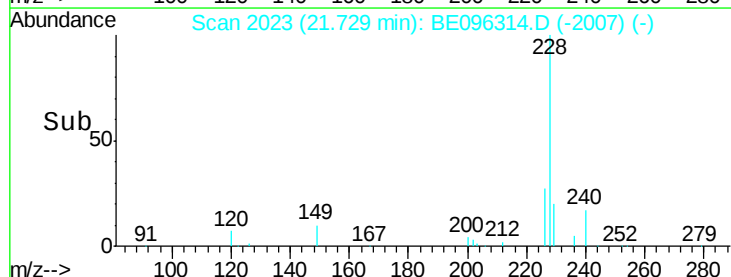
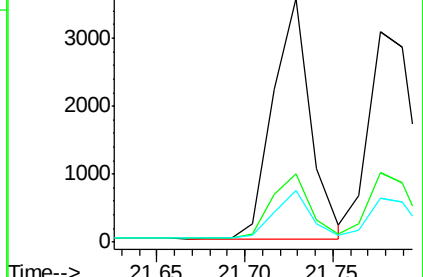
229 21.1 16.0 24.0

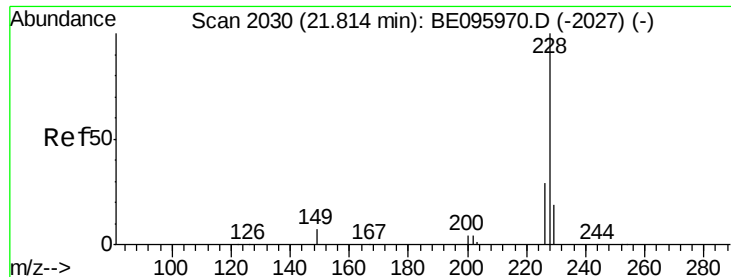


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.441 ng

RT: 21.78 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BE096314.D

Acq: 3 May 2018 3:28

Instrument :

BNA_E

ClientSampled :

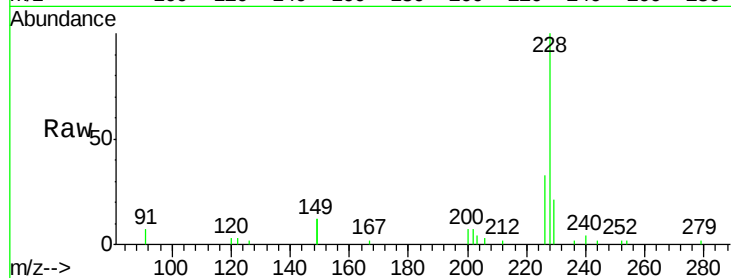
Tot Ion:228 Resp: 5198

Ion Ratio Lower Upper

228 100

226 33.0 24.0 36.0

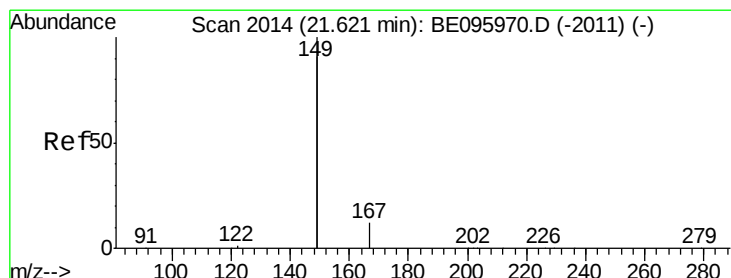
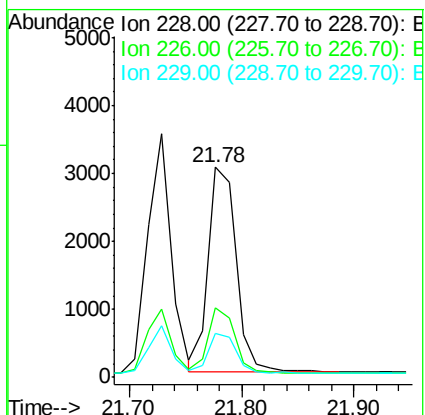
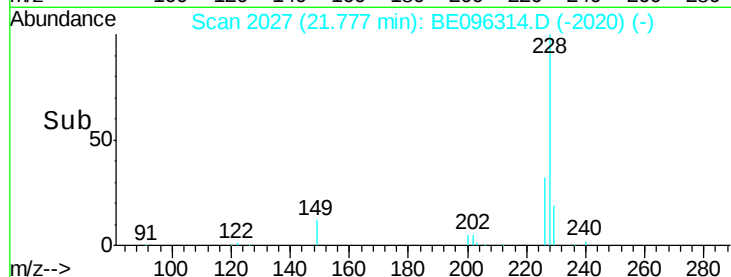
229 20.9 16.0 24.0



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: 0.427 ng

RT: 21.60 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BE096314.D

Acq: 3 May 2018 3:28

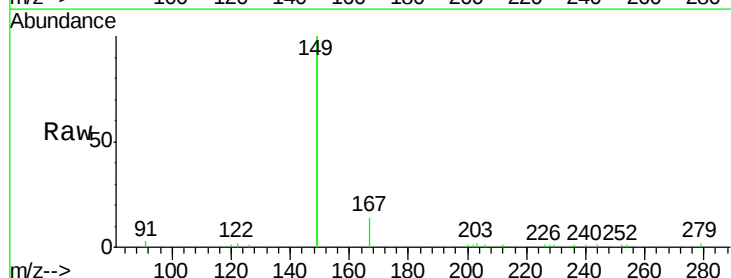
Tgt Ion:149 Resp: 13431

Ion Ratio Lower Upper

149 100

167 7.0 5.4 8.0

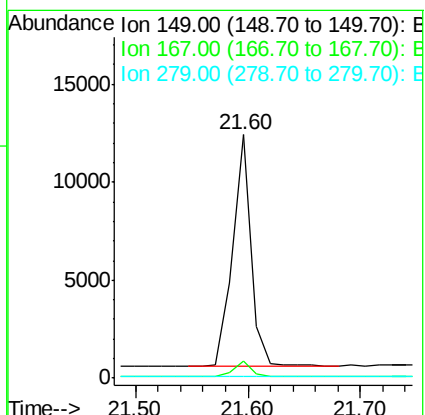
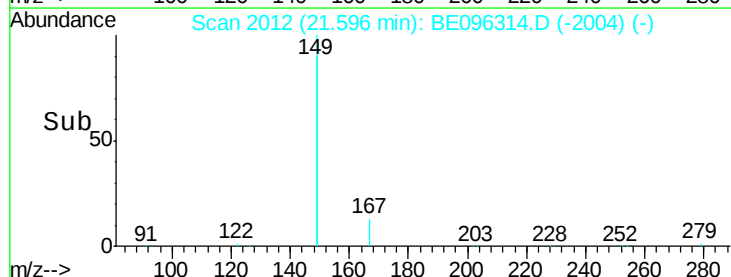
279 0.7 0.7 1.1#

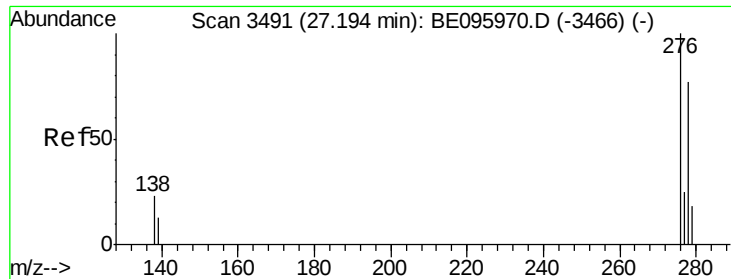


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

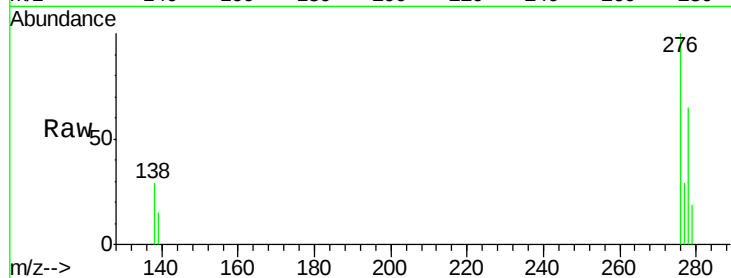




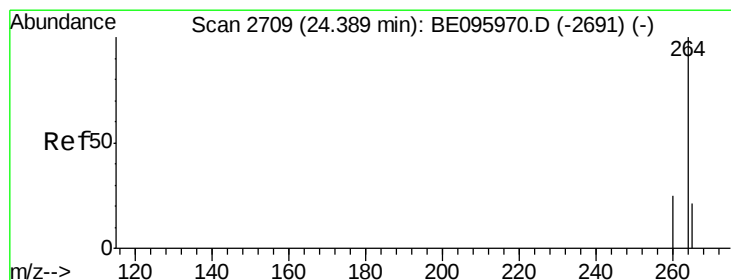
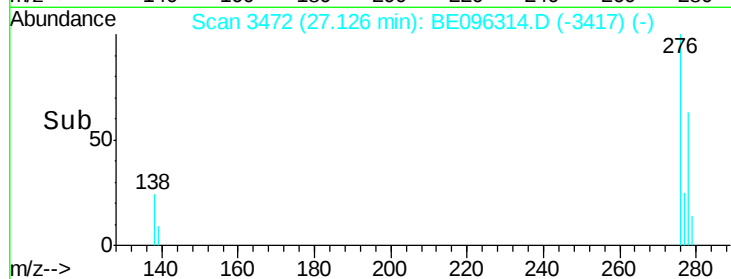
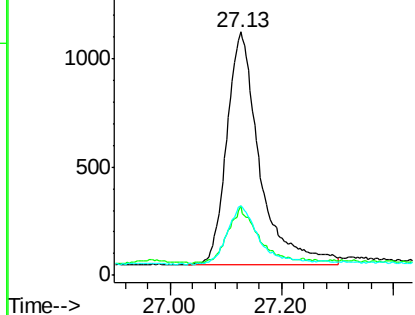
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.386 ng
RT: 27.13 min Scan# 3472
Delta R.T. -0.00 min
Lab File: BE096314.D
Acq: 3 May 2018 3:28

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 4410
Ion Ratio Lower Upper
276 100
138 22.0 22.5 33.7#
277 24.1 19.9 29.9

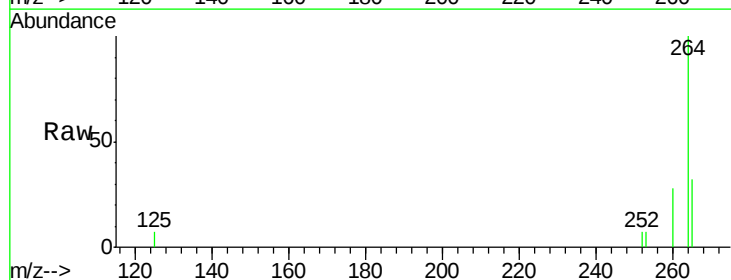


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

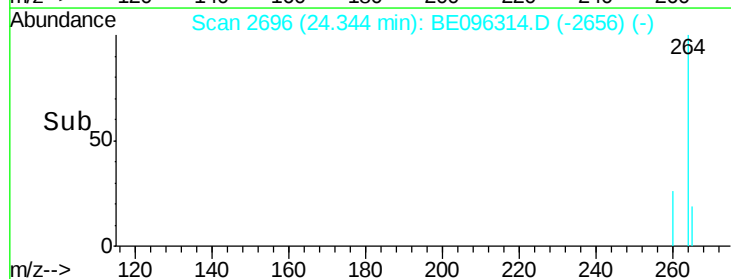
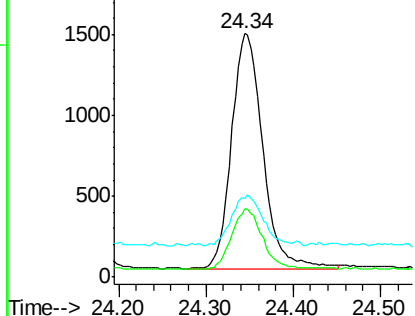


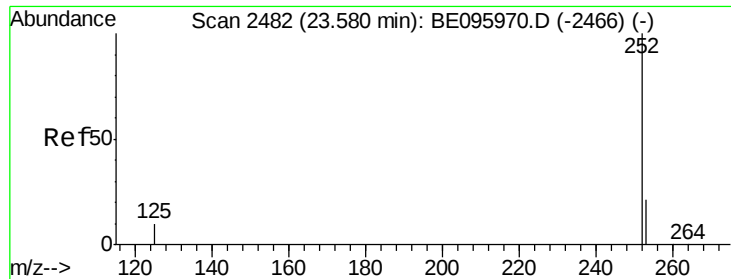
#34
Perylene-d12
Concen: 0.400 ng
RT: 24.34 min Scan# 2696
Delta R.T. -0.01 min
Lab File: BE096314.D
Acq: 3 May 2018 3:28

Tgt Ion:264 Resp: 3599
Ion Ratio Lower Upper
264 100
260 28.3 20.5 30.7
265 32.0 22.8 34.2



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.439 ng

RT: 23.54 min Scan# 2471

Delta R.T. 0.00 min

Lab File: BE096314.D

Acq: 3 May 2018 3:28

Instrument :

BNA_E

ClientSampleId :

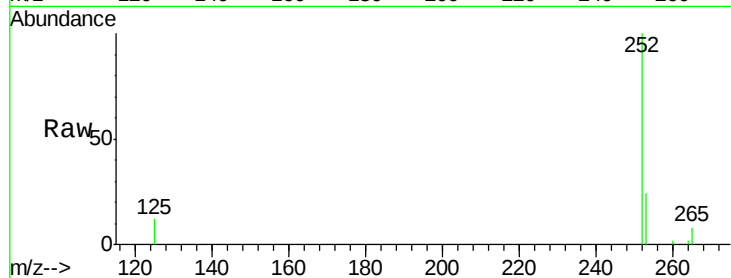
Tot Ion:252 Resp: 4740

Ion Ratio Lower Upper

252 100

253 23.9 20.0 30.0

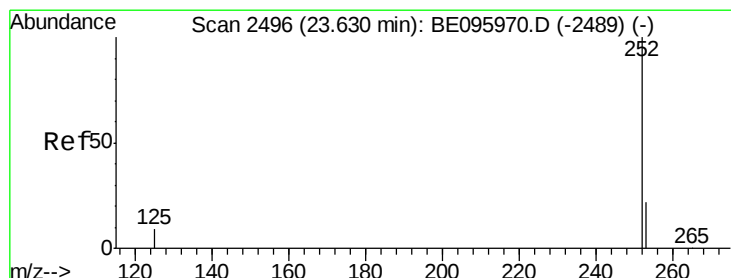
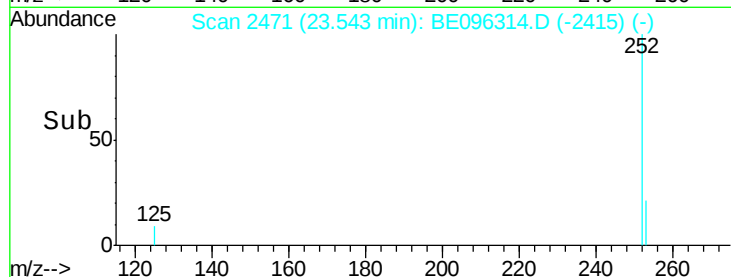
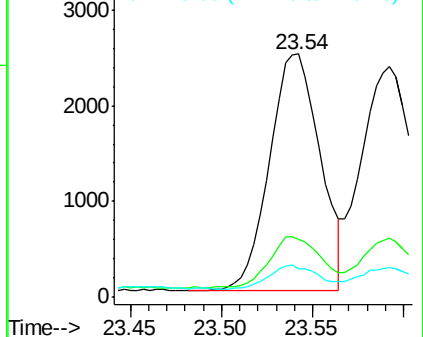
125 11.9 16.0 24.0#



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: 0.427 ng

RT: 23.54 min Scan# 2471

Delta R.T. -0.05 min

Lab File: BE096314.D

Acq: 3 May 2018 3:28

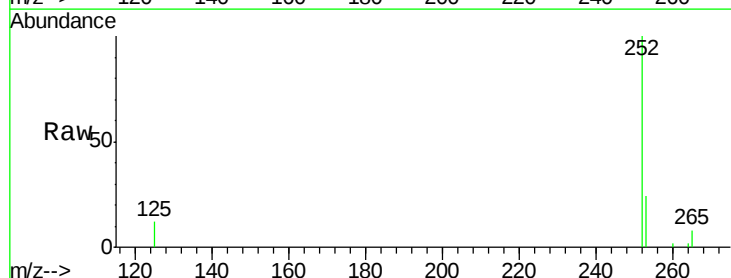
Tgt Ion:252 Resp: 4740

Ion Ratio Lower Upper

252 100

253 23.9 16.0 24.0

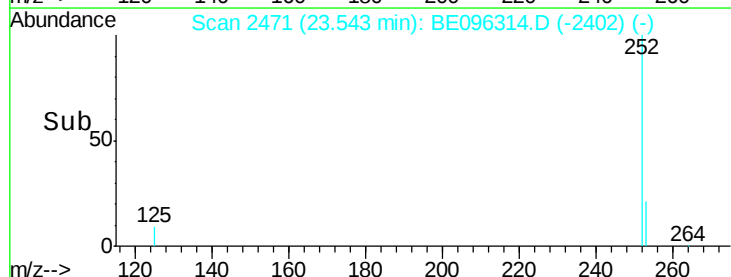
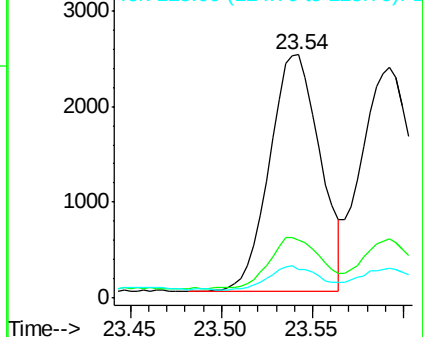
125 11.9 8.0 12.0

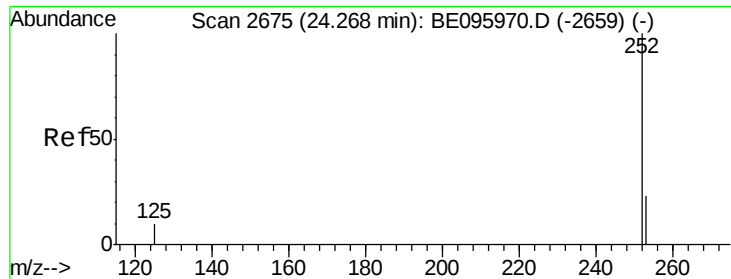


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.430 ng

RT: 24.23 min Scan# 2664

Delta R.T. -0.00 min

Lab File: BE096314.D

Acq: 3 May 2018 3:28

Instrument :

BNA_E

ClientSampleId :

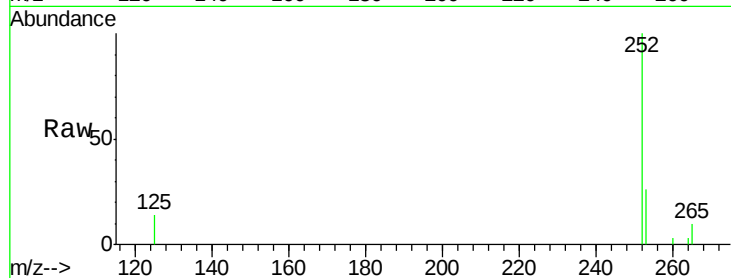
Tot Ion:252 Resp: 4459

Ion Ratio Lower Upper

252 100

253 26.0 16.0 24.0#

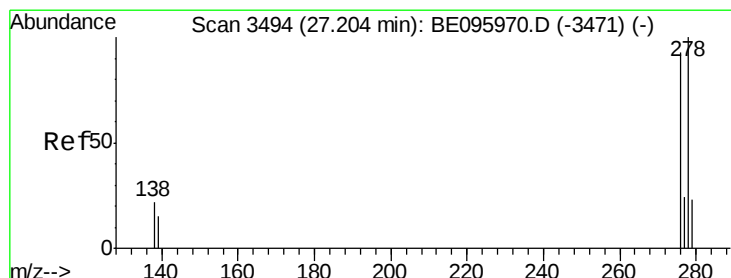
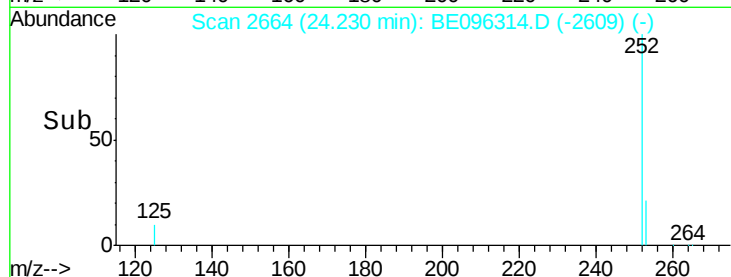
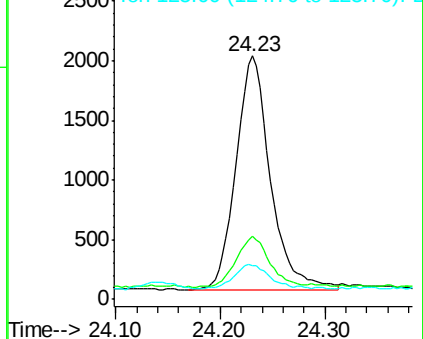
125 13.7 12.0 18.0



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: 0.351 ng

RT: 27.14 min Scan# 3476

Delta R.T. -0.00 min

Lab File: BE096314.D

Acq: 3 May 2018 3:28

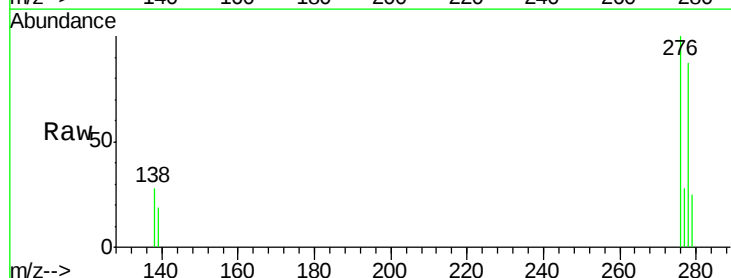
Tgt Ion:278 Resp: 3215

Ion Ratio Lower Upper

278 100

139 21.8 16.0 24.0

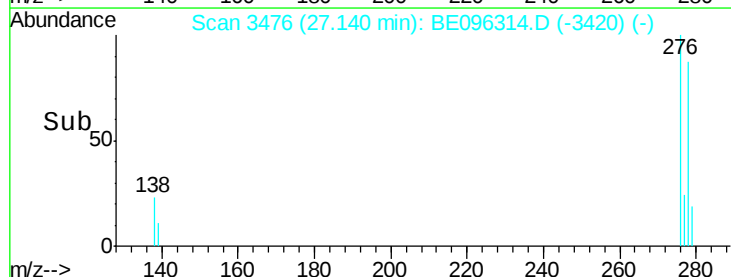
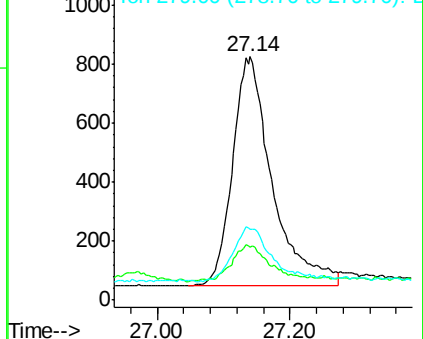
279 28.8 20.0 30.0

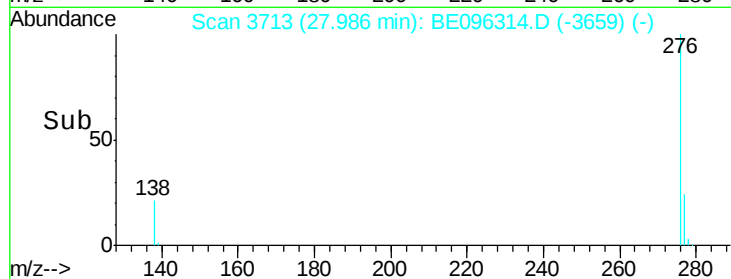
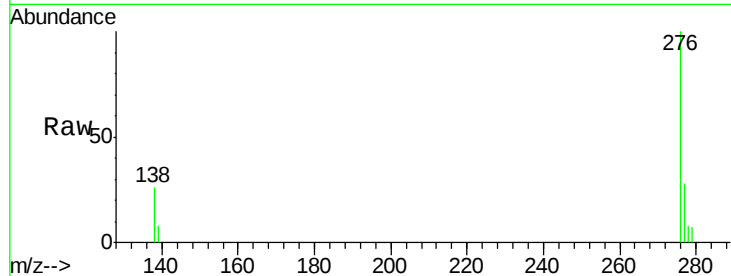
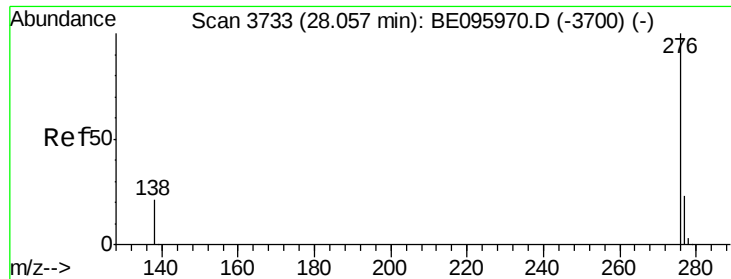


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.416 ng

RT: 27.99 min Scan# 3713

Delta R.T. -0.01 min

Lab File: BE096314.D

Acq: 3 May 2018 3:28

Instrument :

BNA_E

ClientSampleId :

Tot Ion:276 Resp: 4028

Ion Ratio Lower Upper

276 100

277 28.1 16.0 24.0#

138 25.6 20.0 30.0

