

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\
 Data File : BE097031.D
 Acq On : 23 Jul 2018 10:55
 Operator : SJ/JU
 Sample : J4014-08MS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE104D3-071318MS

Quant Time: Jul 23 11:33:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 11:34:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1799	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	7847	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3940	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	12019	0.40	ng	0.00
27) Chrysene-d12	20.98	240	13407	0.40	ng	0.00
34) Perylene-d12	23.21	264	11647	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	651	0.15	ng	0.00
5) Phenol-d6	6.60	99	498	0.08	ng	0.00
8) Nitrobenzene-d5	8.52	82	2450	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	4702	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	358	0.42	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	8121	0.55	ng	0.00
25) Fluoranthene-d10	18.81	212	57212	0.55	ng	0.00
29) Terphenyl-d14	19.43	244	12243	0.47	ng	0.00

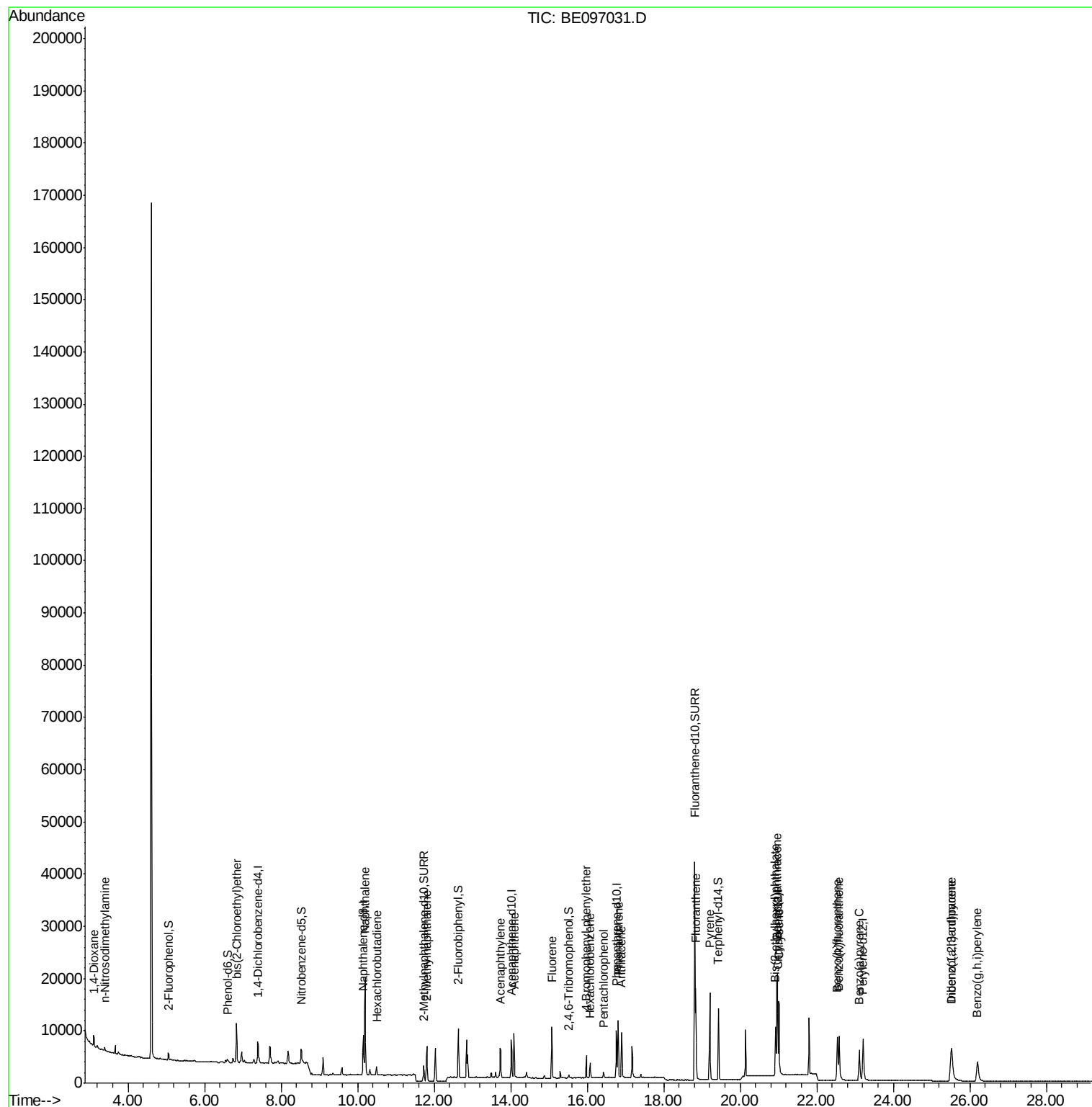
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.11	88	1126	0.437	ng	91
3) n-Nitrosodimethylamine	3.38	42	485	0.167	ng	# 83
6) bis(2-Chloroethyl)ether	6.84	93	2316	0.359	ng	98
9) Naphthalene	10.20	128	28868	0.411	ng	99
10) Hexachlorobutadiene	10.50	225	1203	0.424	ng	99
12) 2-Methylnaphthalene	11.80	142	4630	0.389	ng	98
16) Acenaphthylene	13.73	152	6868	0.382	ng	99
17) Acenaphthene	14.08	154	4134	0.370	ng	# 90
18) Fluorene	15.07	166	5615	0.447	ng	# 79
20) 4-Bromophenyl-phenylether	15.97	248	2121	0.373	ng	87
21) Hexachlorobenzene	16.08	284	2163	0.343	ng	# 84
22) Pentachlorophenol	16.43	266	571	0.585	ng	# 76
23) Phenanthrene	16.81	178	11955	0.415	ng	99
24) Anthracene	16.89	178	10404	0.415	ng	96
26) Fluoranthene	18.84	202	15102	0.497	ng	98
28) Pyrene	19.20	202	15211	0.384	ng	99
30) Benzo(a)anthracene	20.96	228	13489	0.423	ng	98
31) Chrysene	21.02	228	14868	0.415	ng	99
32) Bis(2-ethylhexyl)phthalate	20.92	149	12146	0.381	ng	99
33) Indeno(1,2,3-cd)pyrene	25.51	276	11945	0.458	ng	# 92
35) Benzo(b)fluoranthene	22.54	252	11435	0.385	ng	# 87
36) Benzo(k)fluoranthene	22.58	252	14126	0.400	ng	96
37) Benzo(a)pyrene	23.11	252	10500	0.412	ng	# 92
38) Dibenzo(a,h)anthracene	25.53	278	9972	0.461	ng	# 95
39) Benzo(g,h,i)perylene	26.20	276	10090	0.417	ng	# 89

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\
Data File : BE097031.D
Acq On : 23 Jul 2018 10:55
Operator : SJ/JU
Sample : J4014-08MS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MS

Quant Time: Jul 23 11:33:15 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 11:34:20 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 393

Delta R.T. -0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

Instrument :

BNA_E

ClientSampleId :

RE104D3-071318MS

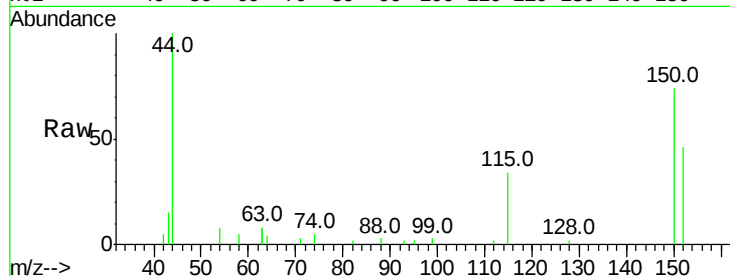
Tot Ion:152 Resp: 1799

Ion Ratio Lower Upper

152 100

150 161.3 117.2 175.8

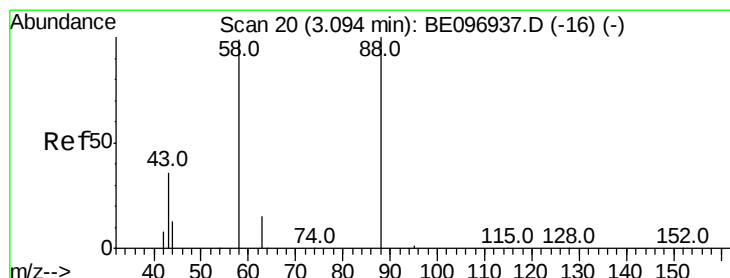
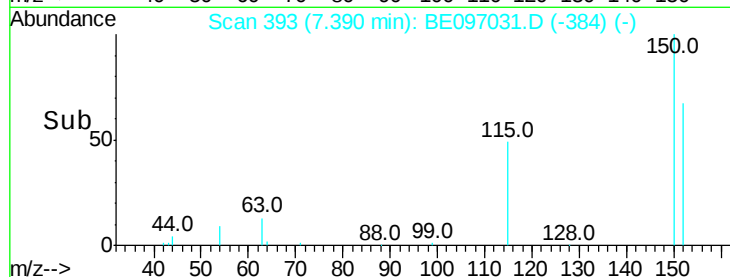
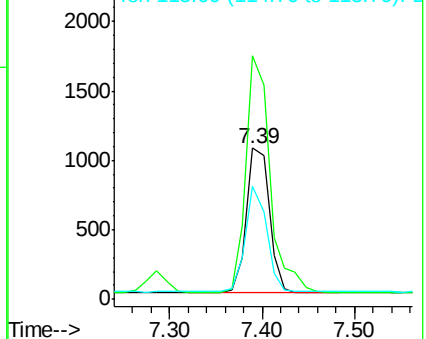
115 74.7 57.0 85.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.437 ng

RT: 3.11 min Scan# 21

Delta R.T. 0.01 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

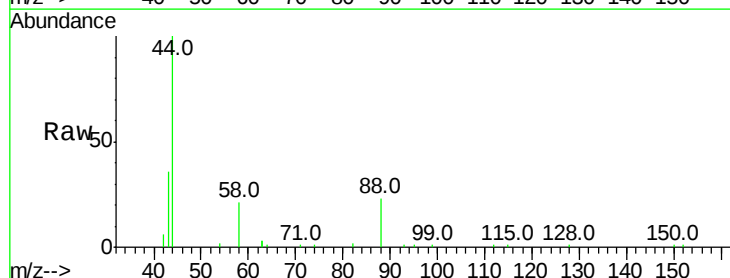
Tgt Ion: 88 Resp: 1126

Ion Ratio Lower Upper

88 100

58 91.7 63.2 94.8

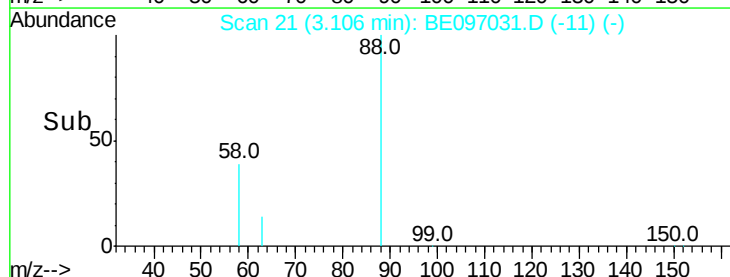
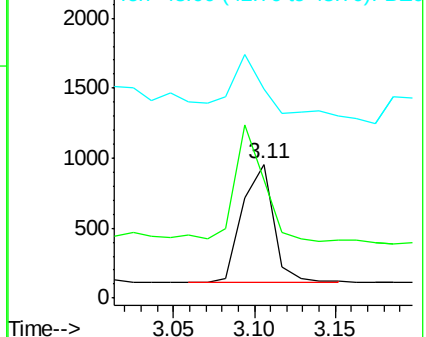
43 52.5 41.2 61.8



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

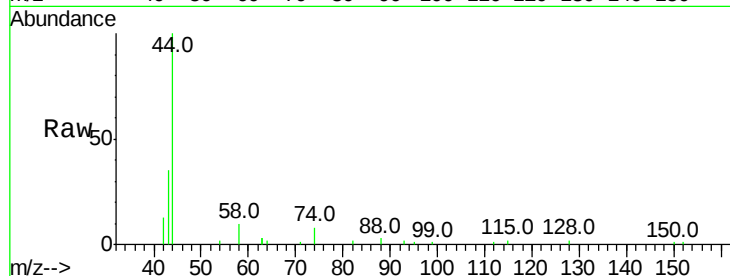




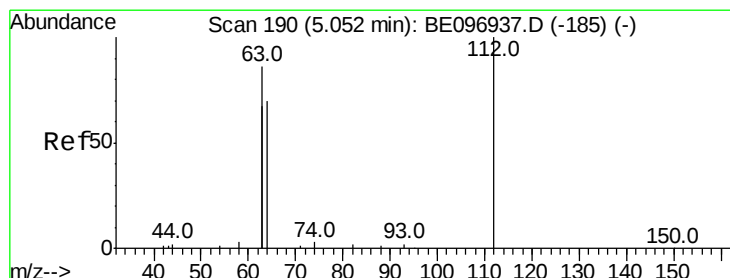
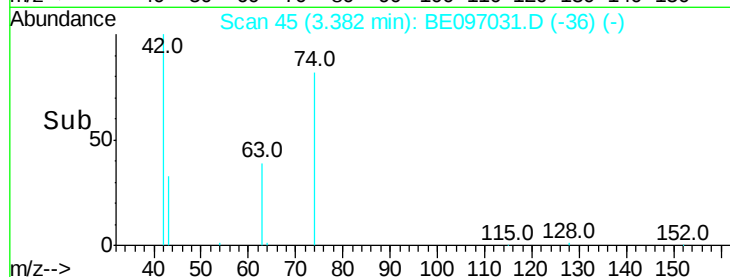
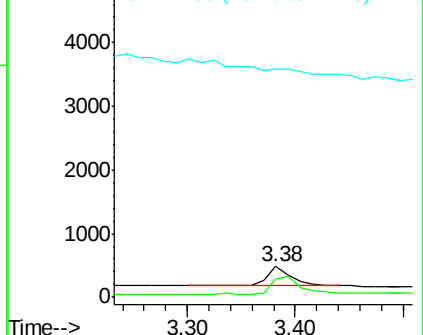
#3
n-Nitrosodimethylamine
Concen: 0.167 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Instrument :
BNA_E
ClientSampleId :
RE104D3-071318MS

Tot Ion: 42 Resp: 485
Ion Ratio Lower Upper
42 100
74 103.3 96.0 144.0
44 0.0 12.0 18.0#

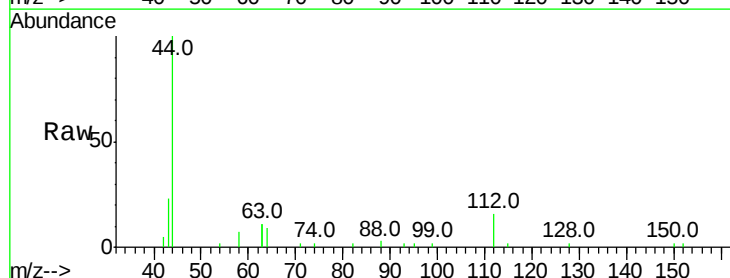


Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0

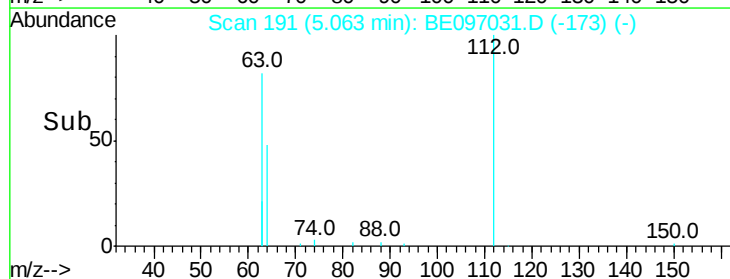
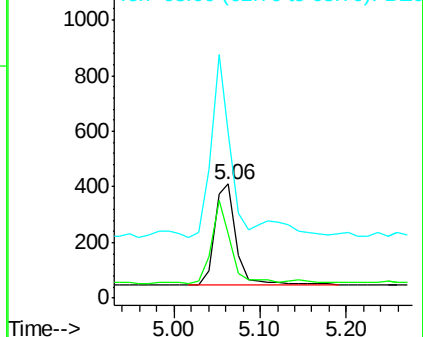


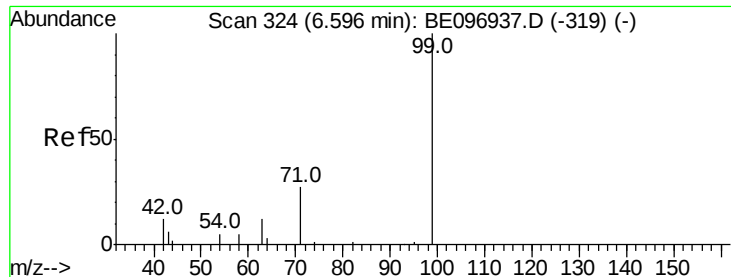
#4
2-Fluorophenol
Concen: 0.151 ng
RT: 5.06 min Scan# 191
Delta R.T. 0.01 min
Lab File: BE097031.D
Acq: 23 Jul 2018 10:55

Tgt Ion: 112 Resp: 651
Ion Ratio Lower Upper
112 100
64 71.3 60.1 90.1
63 154.7 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.076 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

Instrument :

BNA_E

ClientSampleId :

RE104D3-071318MS

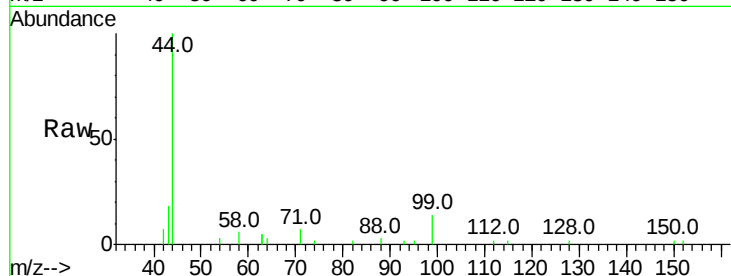
Tot Ion: 99 Resp: 498

Ion Ratio Lower Upper

99 100

42 32.1 20.2 30.2#

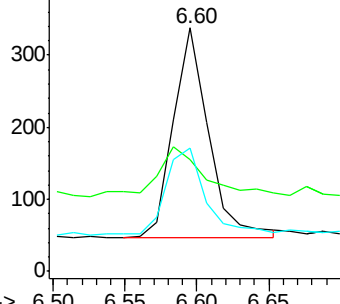
71 45.0 28.4 42.6#



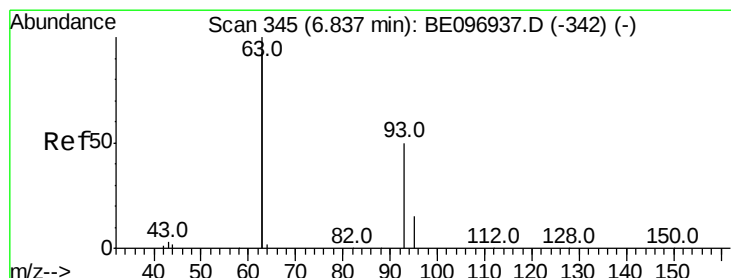
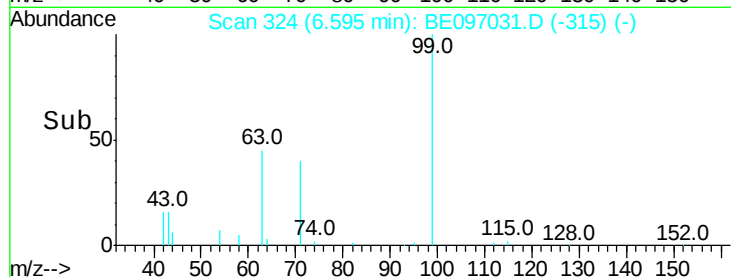
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.359 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

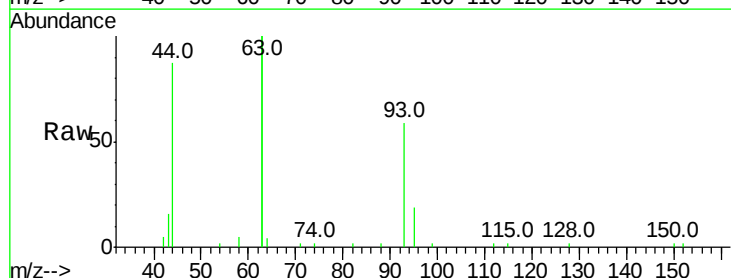
Tgt Ion: 93 Resp: 2316

Ion Ratio Lower Upper

93 100

63 338.8 275.3 412.9

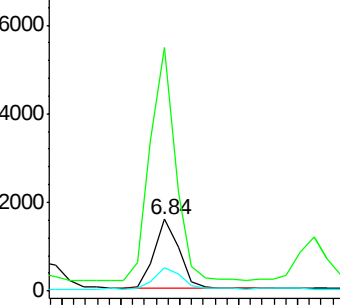
95 32.4 25.2 37.8



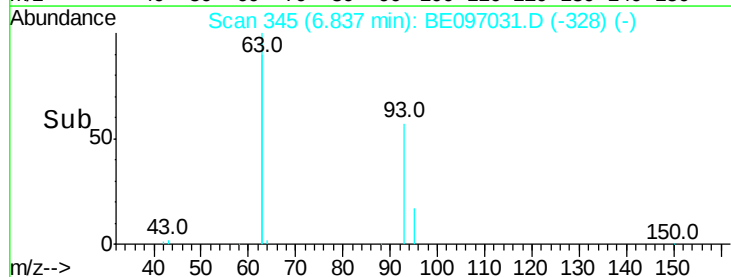
Abundance Ion 93.00 (92.70 to 93.70): BE0

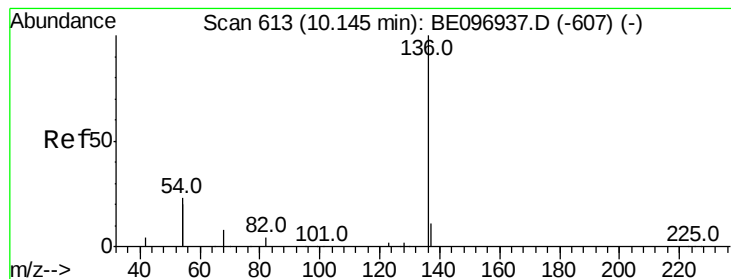
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

Instrument :

BNA_E

ClientSampleId :

RE104D3-071318MS

Tot Ion:136 Resp: 7847

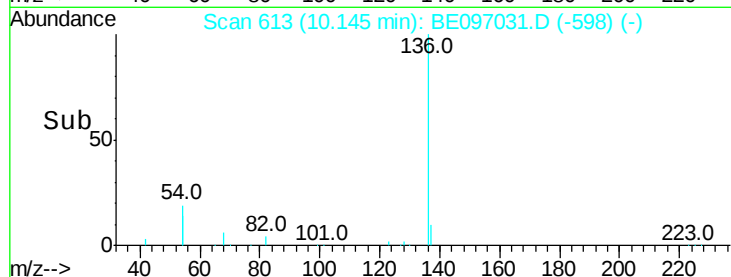
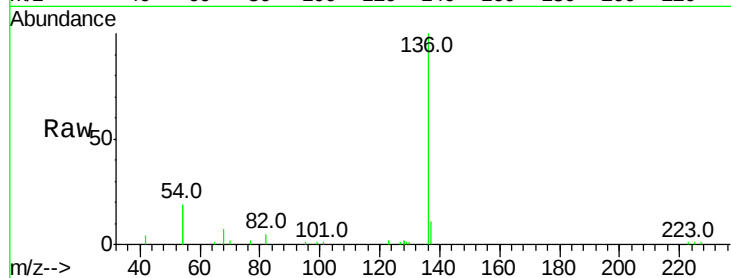
Ion Ratio Lower Upper

136 100

137 11.4 9.5 14.3

54 38.1 29.1 43.7

68 7.4 6.2 9.2

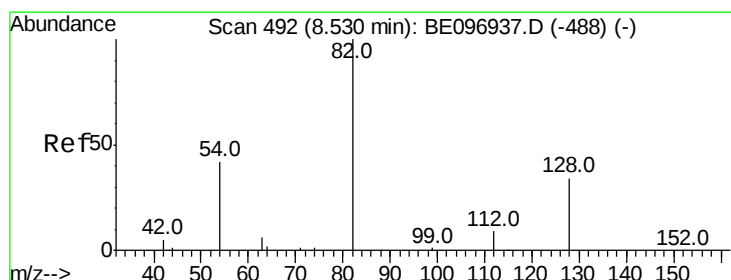
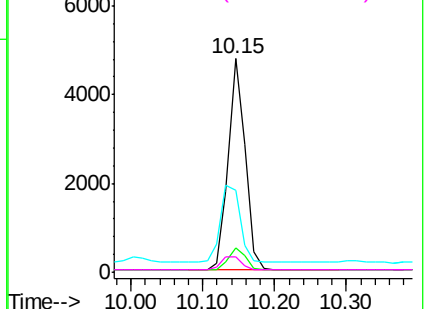


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.428 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

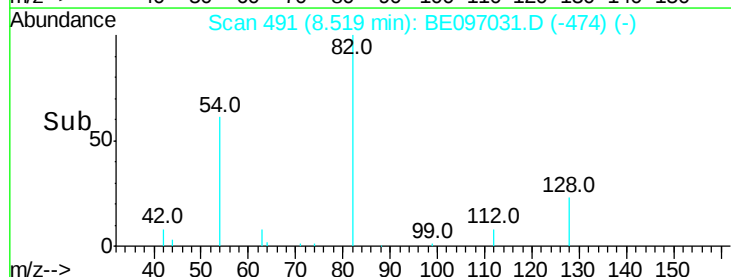
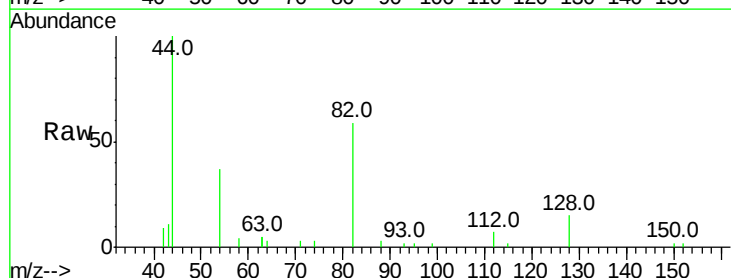
Tgt Ion: 82 Resp: 2450

Ion Ratio Lower Upper

82 100

128 25.6 24.0 36.0

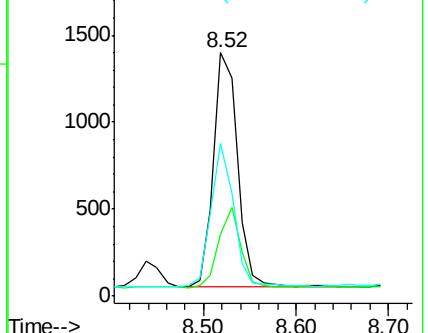
54 62.6 40.0 60.0#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.411 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

Instrument :

BNA_E

ClientSampleId :

RE104D3-071318MS

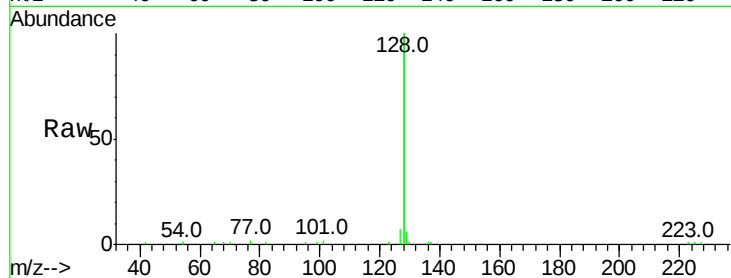
Tot Ion:128 Resp: 28868

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

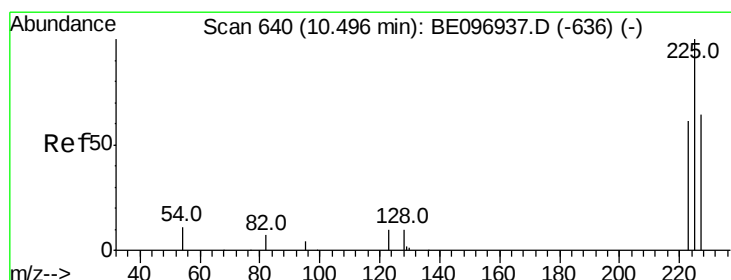
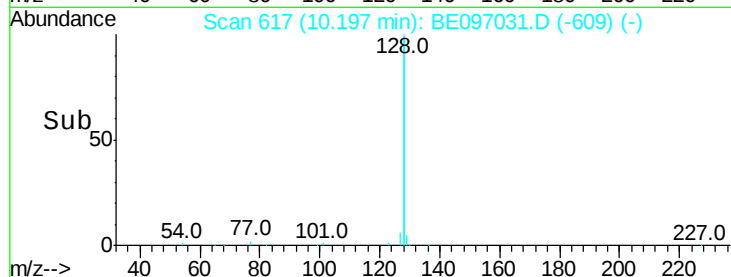
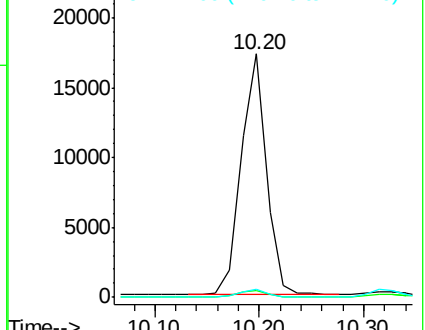
127 3.3 2.8 4.2



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: 0.424 ng

RT: 10.50 min Scan# 640

Delta R.T. 0.01 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

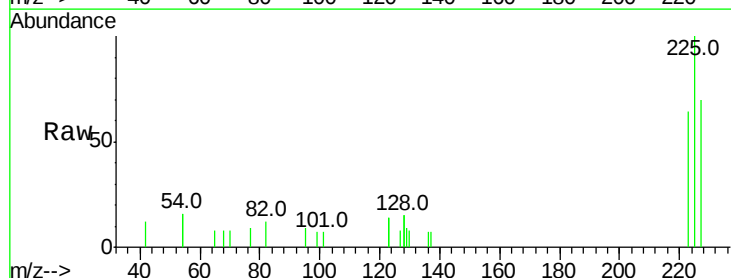
Tgt Ion:225 Resp: 1203

Ion Ratio Lower Upper

225 100

223 65.1 53.0 79.6

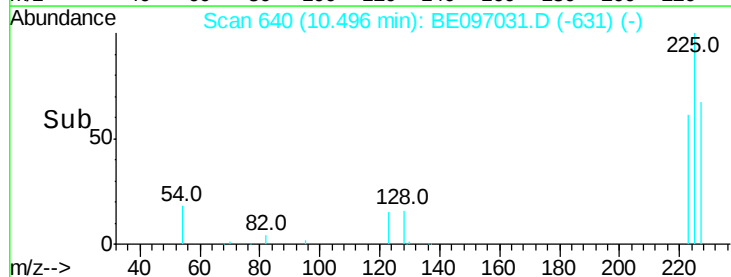
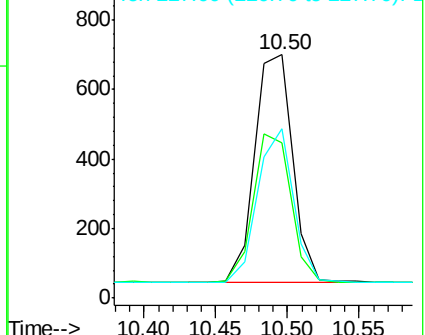
227 63.8 51.4 77.2



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: 0.411 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

Instrument :

BNA_E

ClientSampleId :

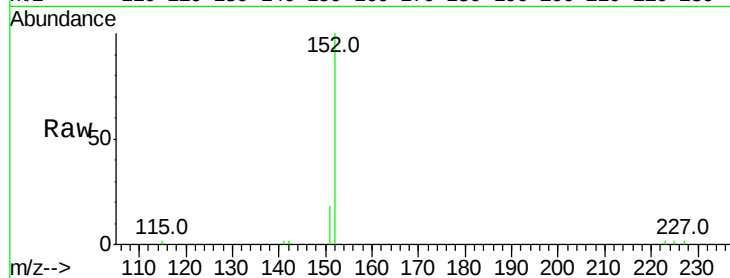
RE104D3-071318MS

Tot Ion:152 Resp: 4702

Ion Ratio Lower Upper

152 100

151 16.6 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.73

2500

2000

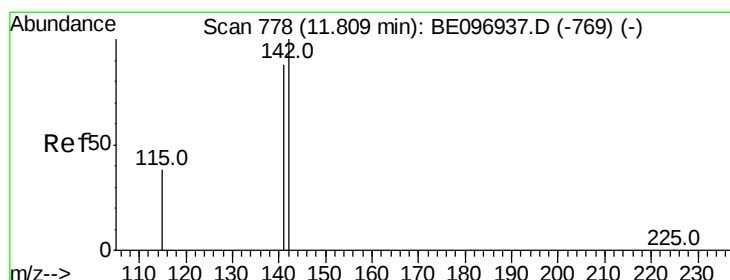
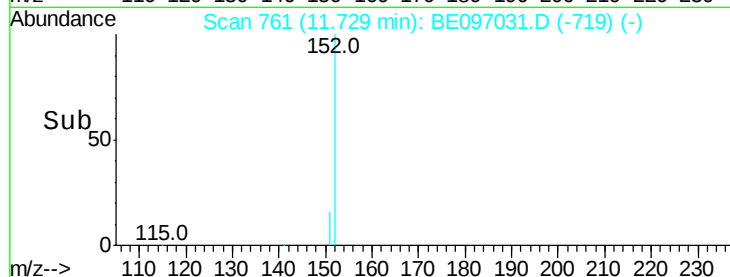
1500

1000

500

0

Time--> 11.60 11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.389 ng

RT: 11.80 min Scan# 777

Delta R.T. -0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

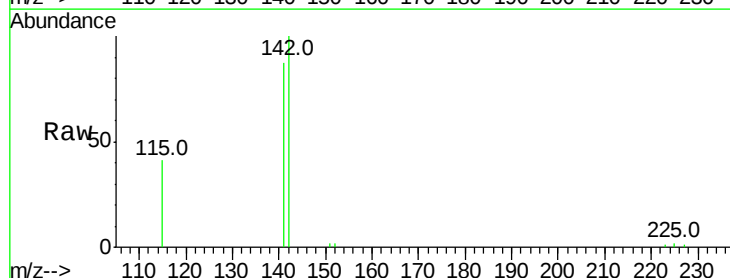
Tgt Ion:142 Resp: 4630

Ion Ratio Lower Upper

142 100

141 87.1 70.4 105.6

115 41.4 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

11.80

4000

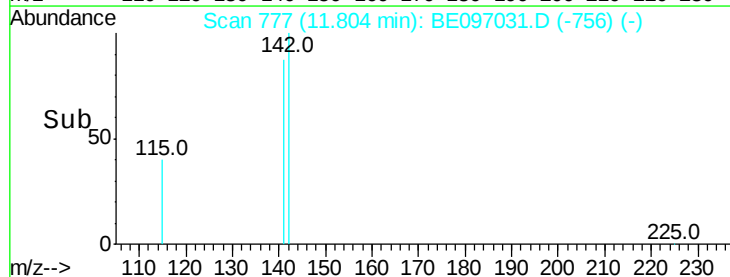
3000

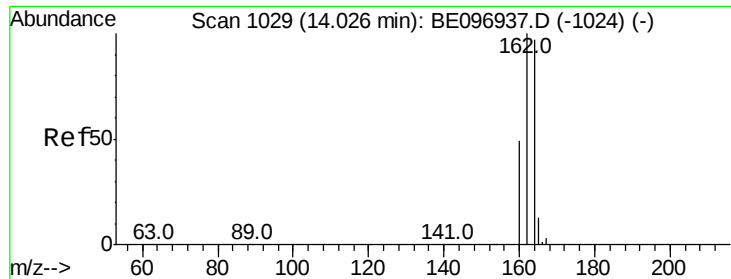
2000

1000

0

Time--> 11.70 11.80 11.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

Instrument :

BNA_E

ClientSampleId :

RE104D3-071318MS

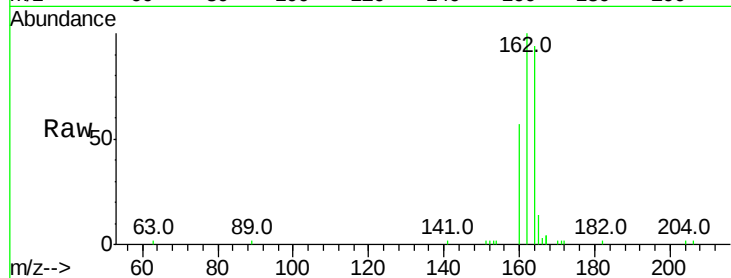
Tot Ion:164 Resp: 3940

Ion Ratio Lower Upper

164 100

162 105.9 83.1 124.7

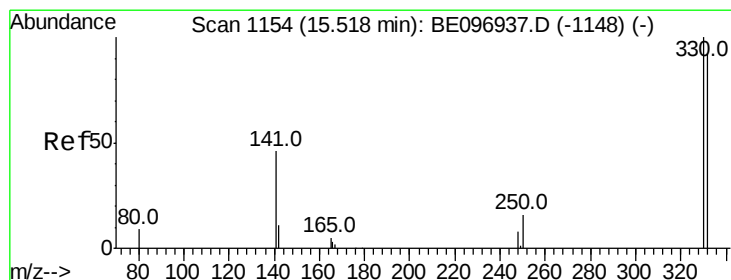
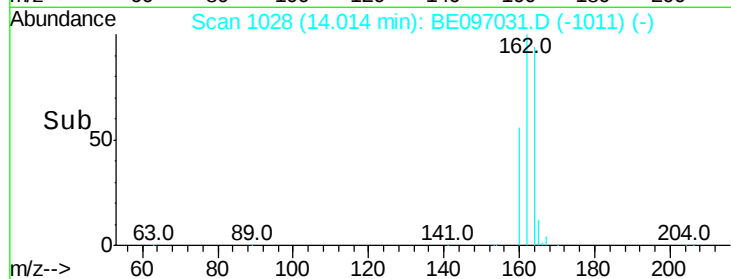
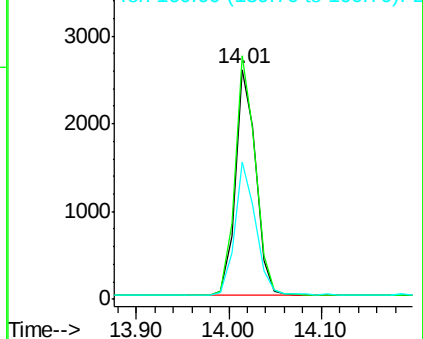
160 60.0 37.1 55.7#



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: 0.415 ng

RT: 15.52 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

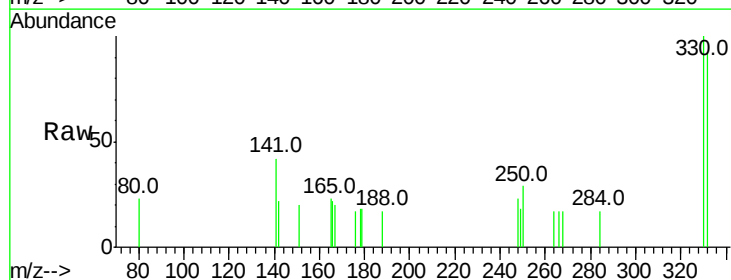
Tgt Ion:330 Resp: 358

Ion Ratio Lower Upper

330 100

332 94.4 152.7 229.1#

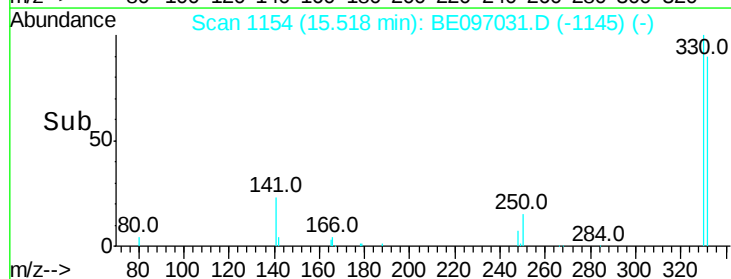
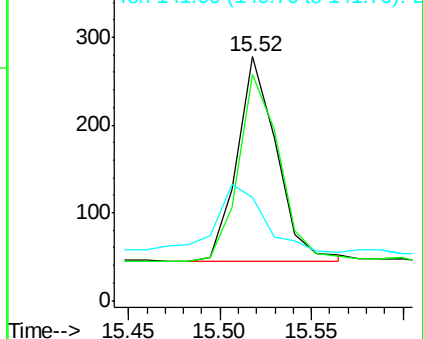
141 39.9 33.7 50.5

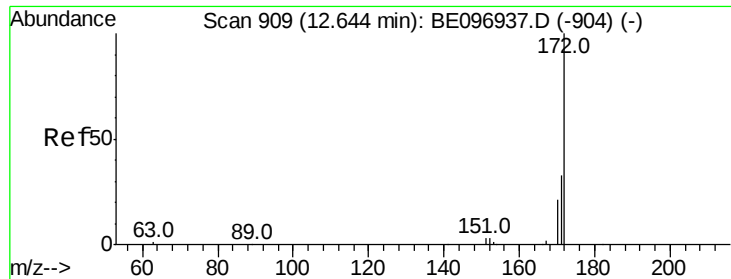


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

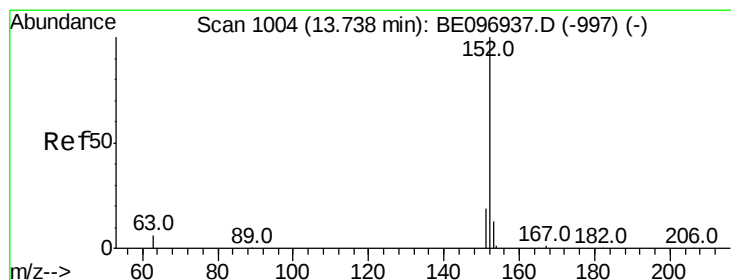
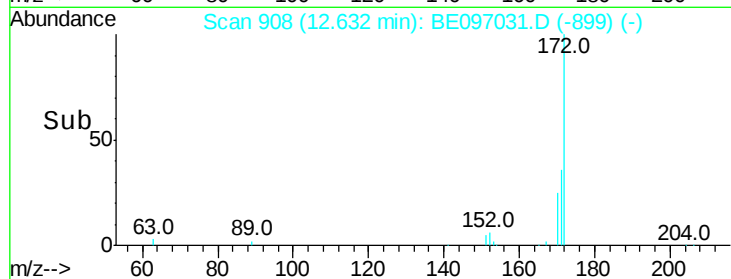
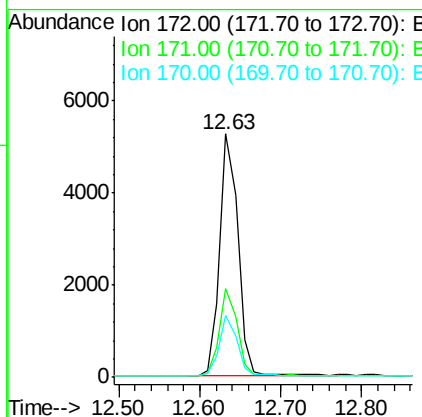
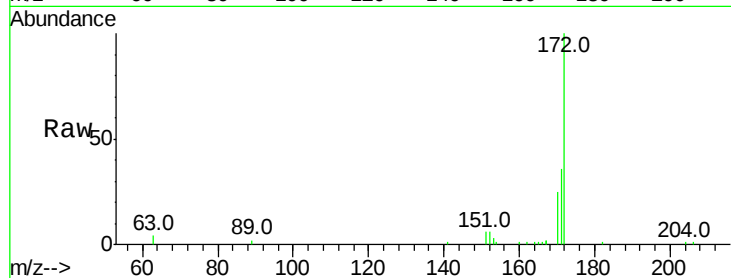




#15
 2-Fluorobiphenyl
 Concen: 0.554 ng
 RT: 12.63 min Scan# 908
 Delta R.T. -0.00 min
 Lab File: BE097031.D
 Acq: 23 Jul 2018 10:55

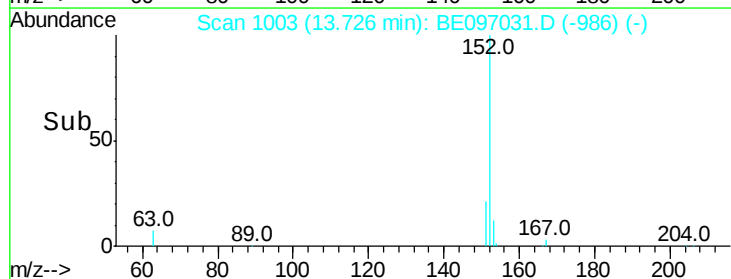
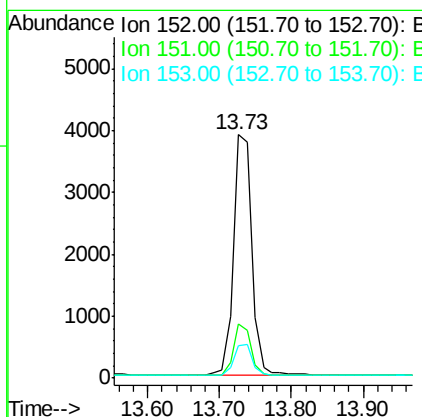
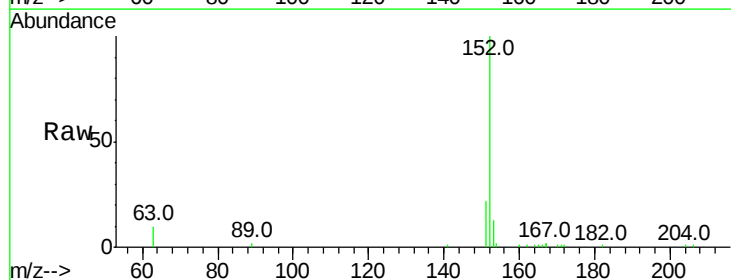
Instrument :
 BNA_E
 ClientSampleId :
 RE104D3-071318MS

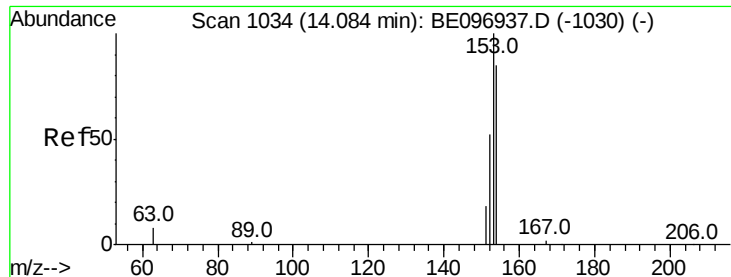
Tot Ion:172 Resp: 8121
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.9 44.9
 170 25.3 21.8 32.8



#16
 Acenaphthylene
 Concen: 0.382 ng
 RT: 13.73 min Scan# 1003
 Delta R.T. -0.00 min
 Lab File: BE097031.D
 Acq: 23 Jul 2018 10:55

Tgt Ion:152 Resp: 6868
 Ion Ratio Lower Upper
 152 100
 151 19.9 15.7 23.5
 153 12.8 10.5 15.7





#17

Acenaphthene

Concen: 0.370 ng

RT: 14.08 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

Instrument :

BNA_E

ClientSampleId :

RE104D3-071318MS

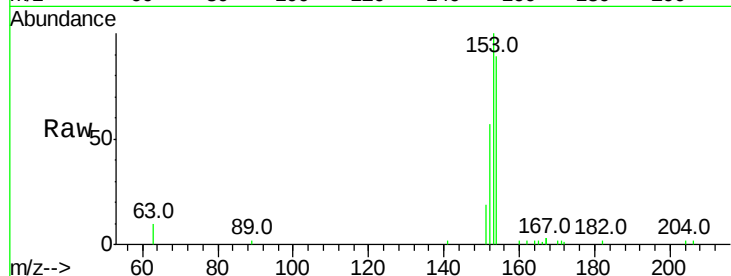
Tot Ion:154 Resp: 4134

Ion Ratio Lower Upper

154 100

153 115.7 89.2 133.8

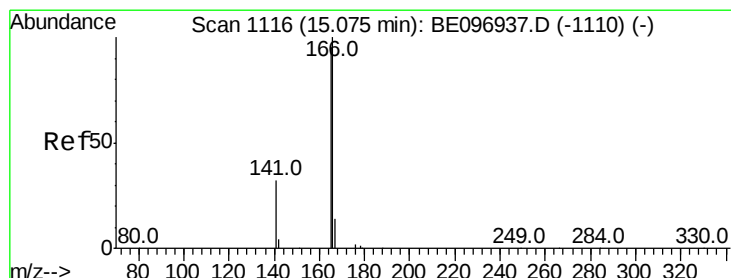
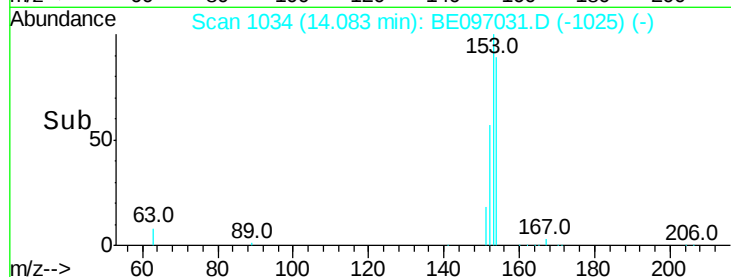
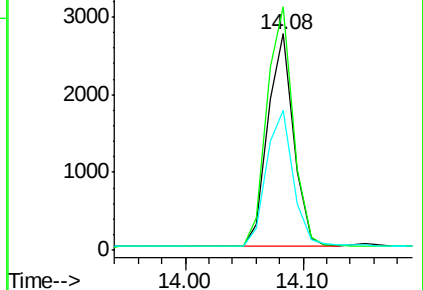
152 67.5 42.0 63.0#



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: 0.447 ng

RT: 15.07 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

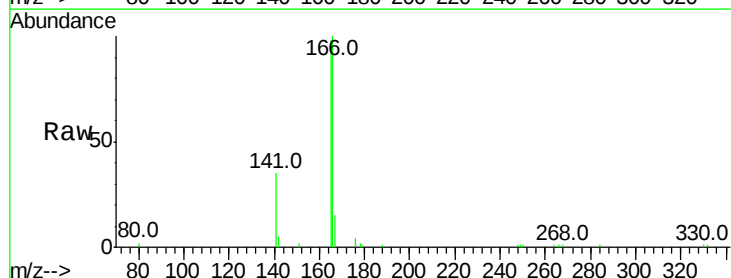
Tgt Ion:166 Resp: 5615

Ion Ratio Lower Upper

166 100

165 99.0 77.8 116.6

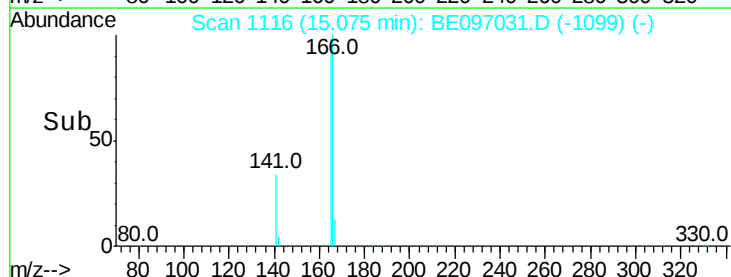
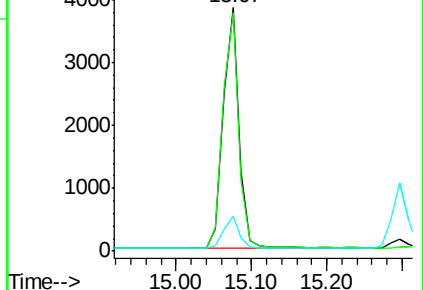
167 13.3 42.4 63.6#

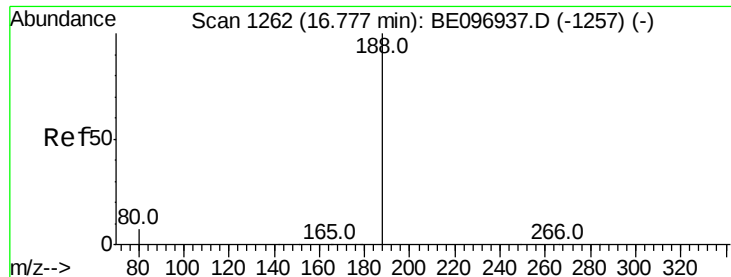


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.76 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

Instrument :

BNA_E

ClientSampleId :

RE104D3-071318MS

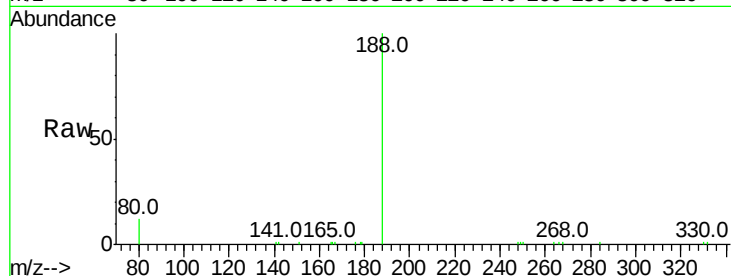
Tot Ion:188 Resp: 12019

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

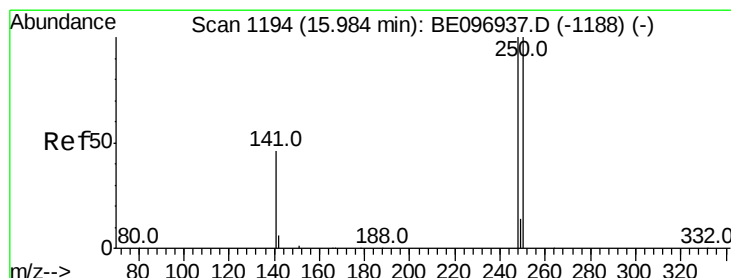
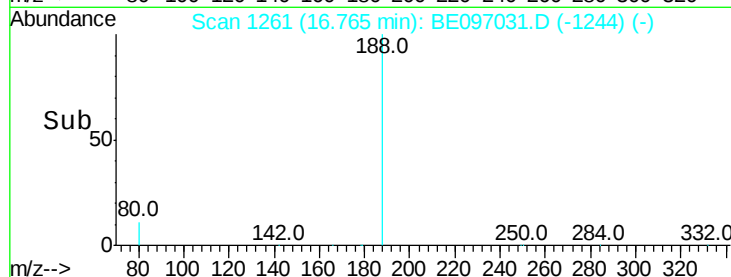
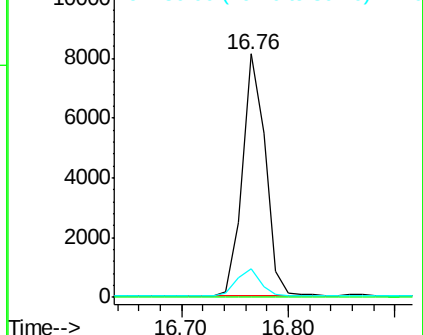
80 11.7 3.6 5.4#



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: 0.373 ng

RT: 15.97 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

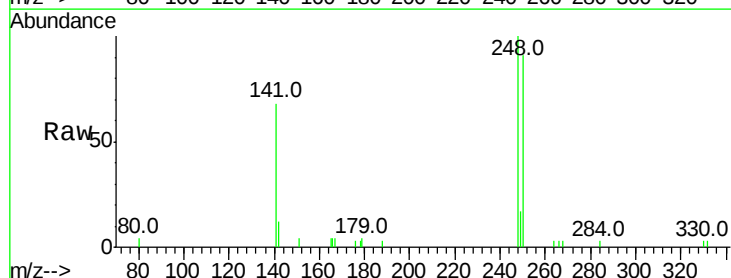
Tgt Ion:248 Resp: 2121

Ion Ratio Lower Upper

248 100

250 91.1 62.7 94.1

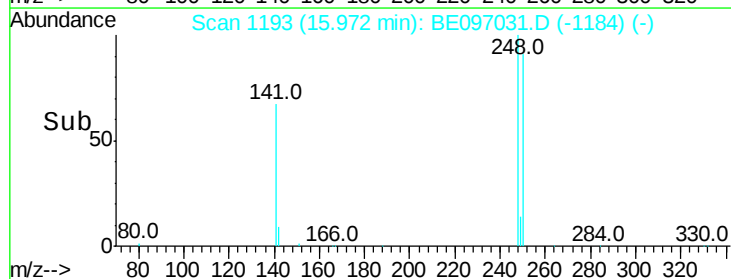
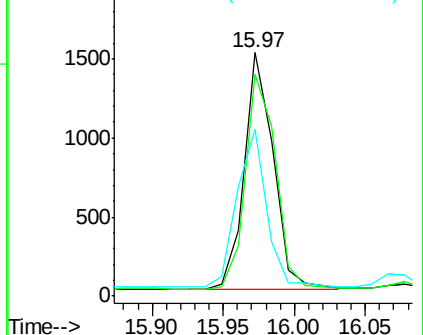
141 68.4 48.2 72.2

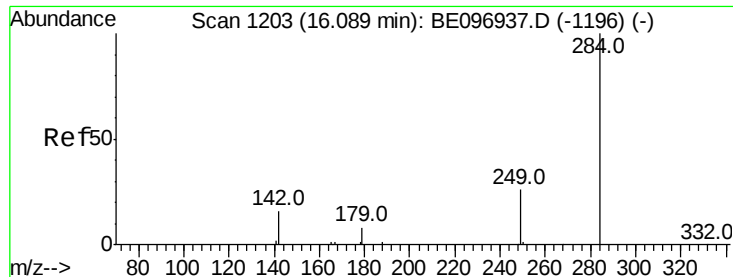


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.343 ng

RT: 16.08 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

Instrument :

BNA_E

ClientSampleId :

RE104D3-071318MS

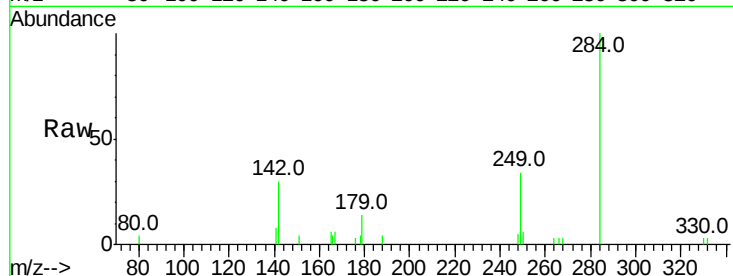
Tot Ion:284 Resp: 2163

Ion Ratio Lower Upper

284 100

142 33.4 22.1 33.1#

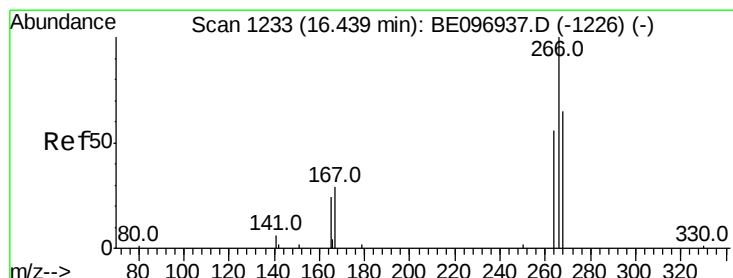
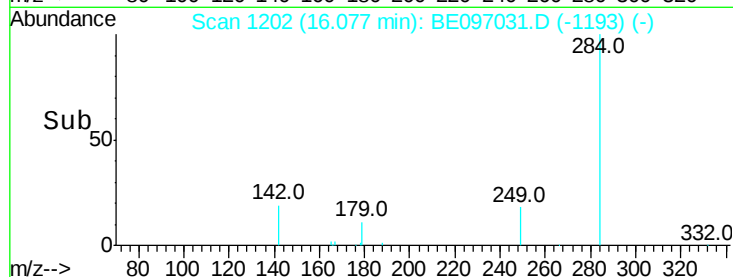
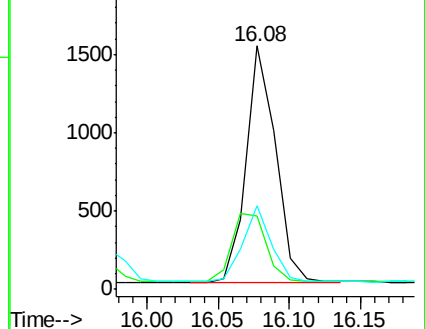
249 30.8 34.8 52.2#



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



#22

Pentachlorophenol

Concen: 0.585 ng

RT: 16.43 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

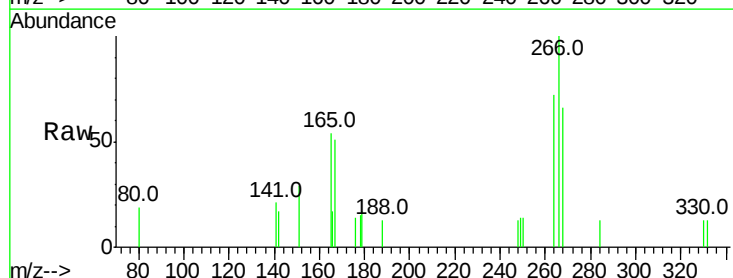
Tgt Ion:266 Resp: 571

Ion Ratio Lower Upper

266 100

264 71.7 72.5 108.7#

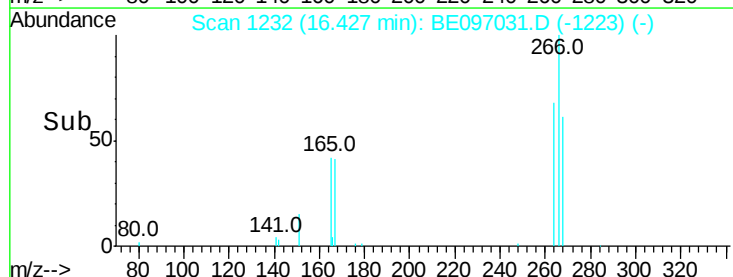
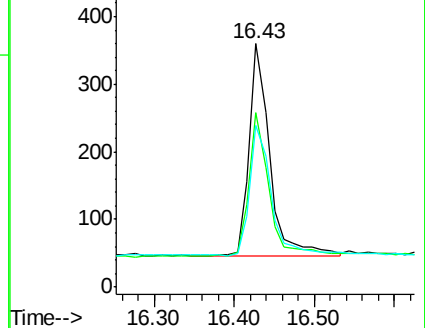
268 66.4 73.8 110.6#



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: 0.415 ng

RT: 16.81 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

Instrument :

BNA_E

ClientSampleId :

RE104D3-071318MS

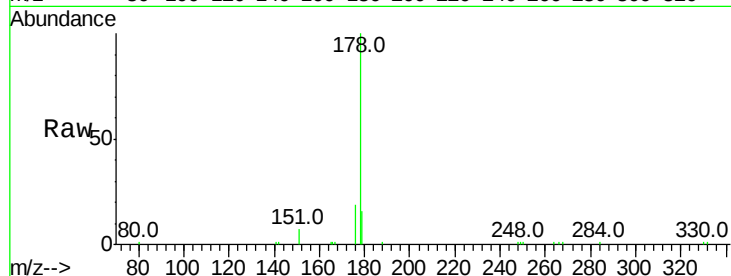
Tot Ion:178 Resp: 11955

Ion Ratio Lower Upper

178 100

176 19.4 15.1 22.7

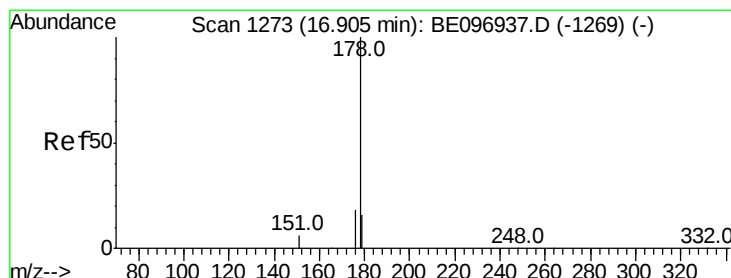
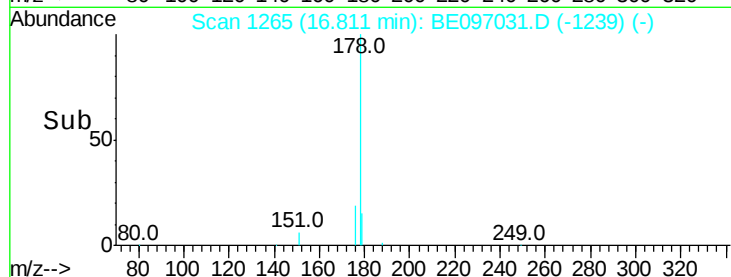
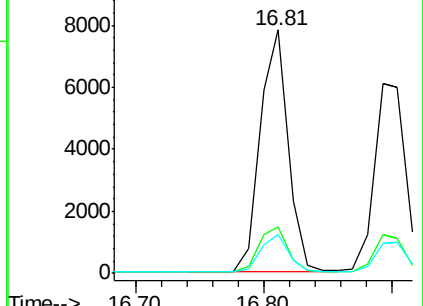
179 15.3 11.8 17.6



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: 0.415 ng

RT: 16.89 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

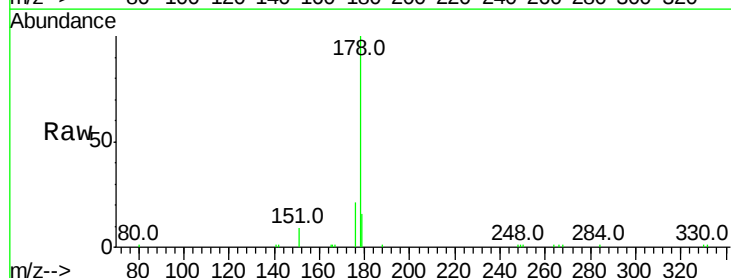
Tgt Ion:178 Resp: 10404

Ion Ratio Lower Upper

178 100

176 18.8 12.8 19.2

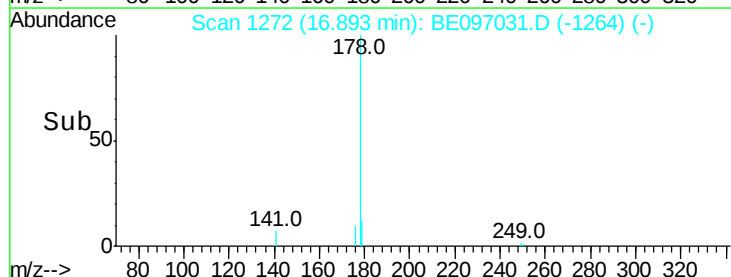
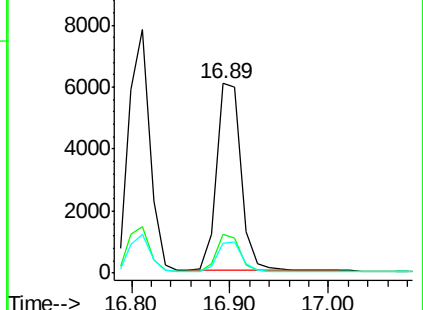
179 15.5 13.0 19.6

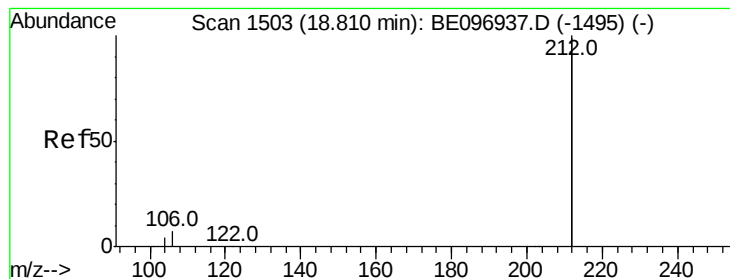


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.547 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

Instrument :

BNA_E

ClientSampleId :

RE104D3-071318MS

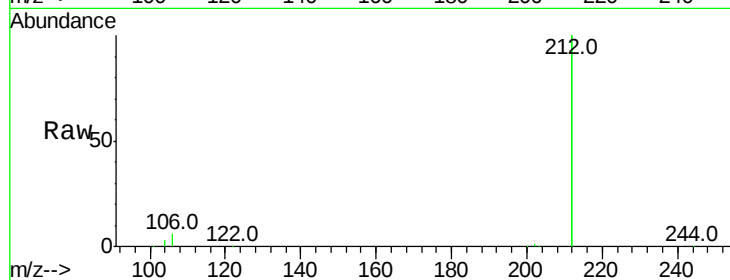
Tot Ion:212 Resp: 57212

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

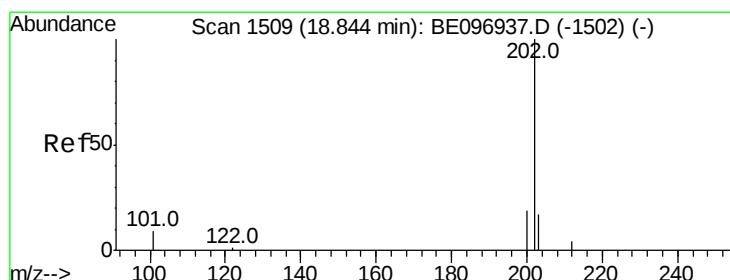
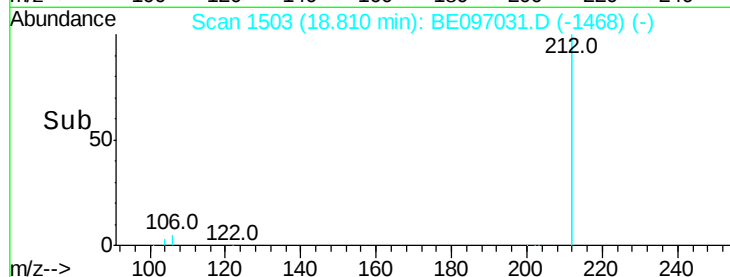
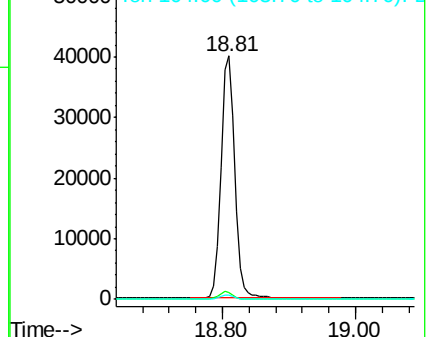
104 1.7 1.6 2.4



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



#26

Fluoranthene

Concen: 0.497 ng

RT: 18.84 min Scan# 1508

Delta R.T. 0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

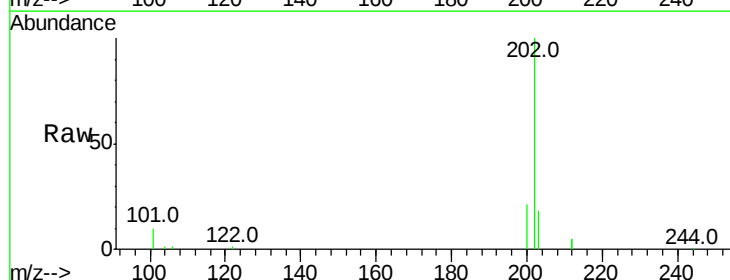
Tgt Ion:202 Resp: 15102

Ion Ratio Lower Upper

202 100

101 10.7 9.8 14.8

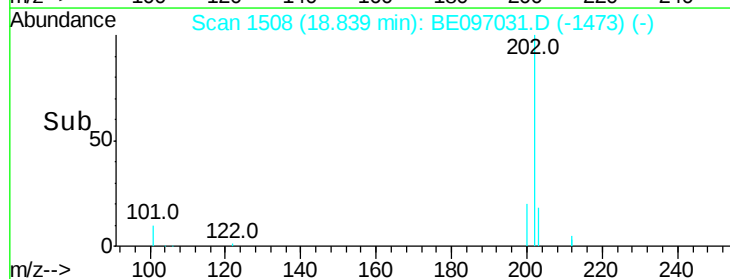
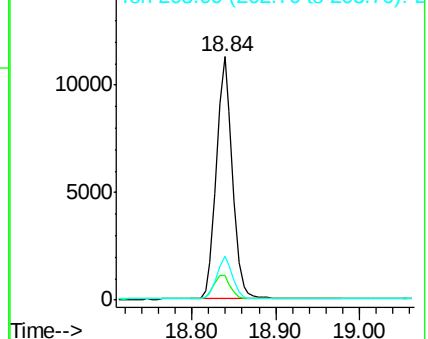
203 17.2 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.98 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

Instrument :

BNA_E

ClientSampleId :

RE104D3-071318MS

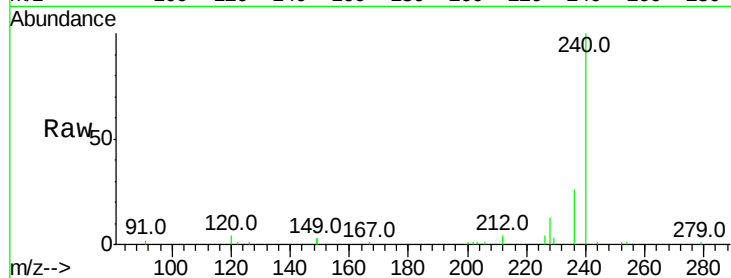
Tot Ion:240 Resp: 13407

Ion Ratio Lower Upper

240 100

120 3.9 5.5 8.3#

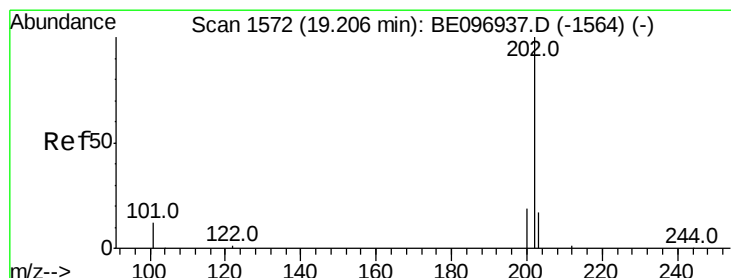
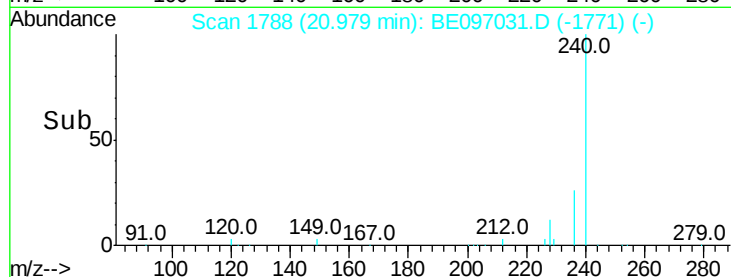
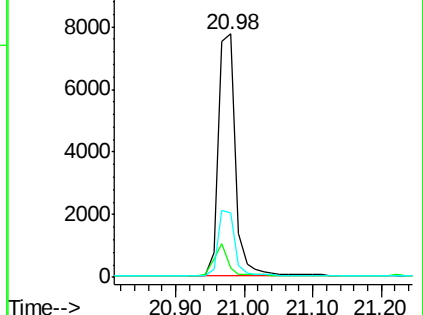
236 26.4 20.7 31.1



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: 0.384 ng

RT: 19.20 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

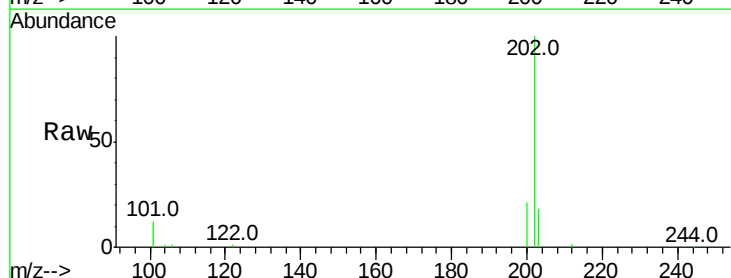
Tgt Ion:202 Resp: 15211

Ion Ratio Lower Upper

202 100

200 21.1 16.6 25.0

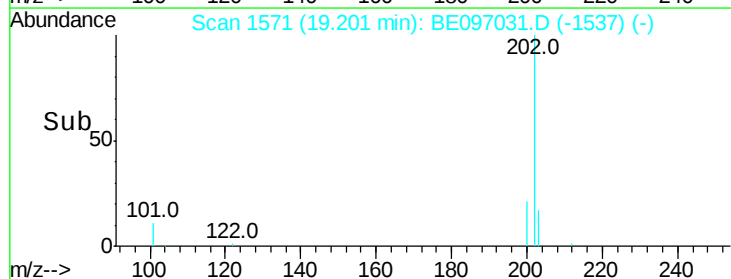
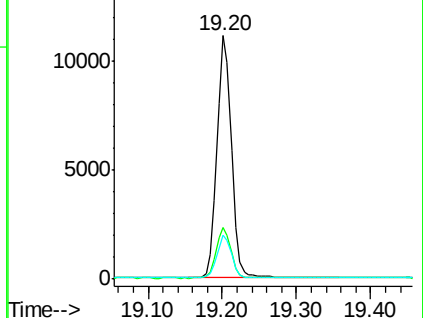
203 17.8 13.8 20.8

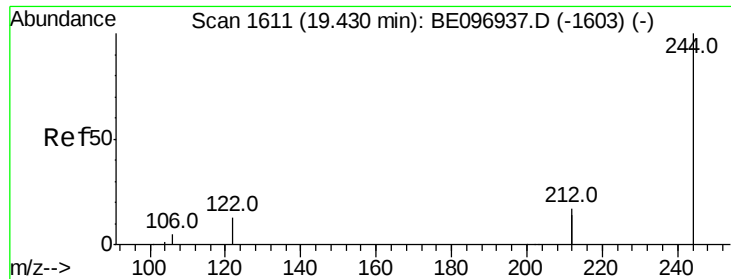


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.473 ng

RT: 19.43 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

Instrument :

BNA_E

ClientSampleId :

RE104D3-071318MS

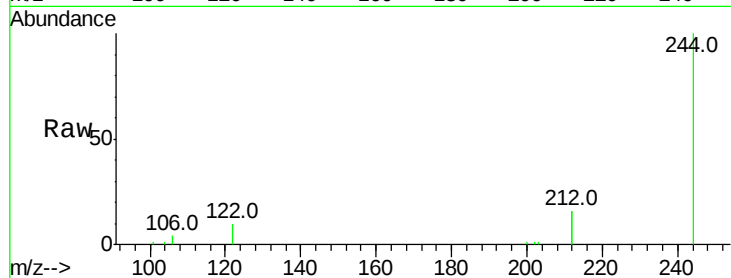
Tot Ion:244 Resp: 12243

Ion Ratio Lower Upper

244 100

212 32.0 25.4 38.0

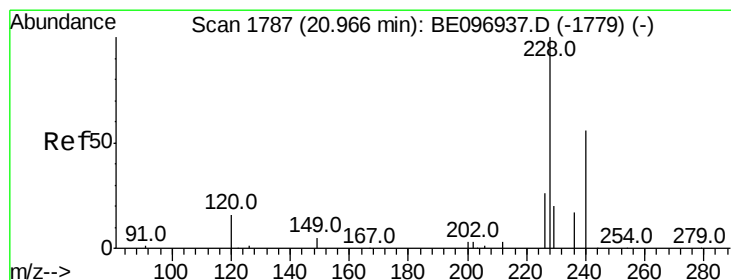
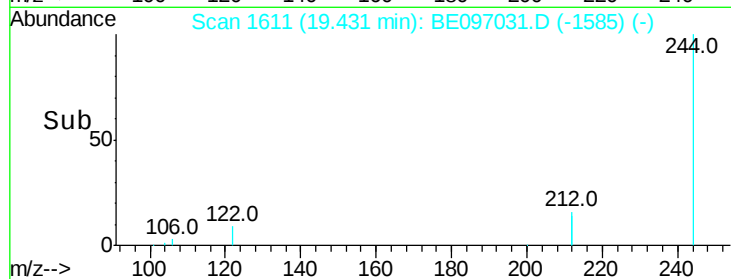
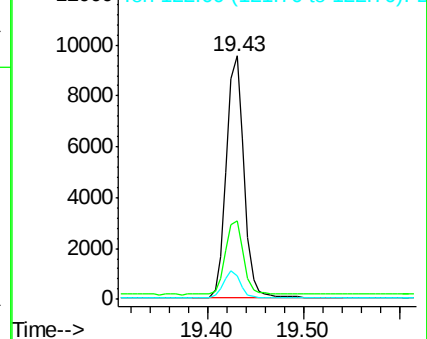
122 9.7 8.1 12.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.423 ng

RT: 20.96 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

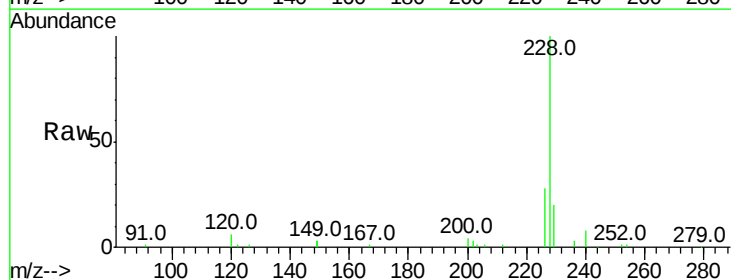
Tgt Ion:228 Resp: 13489

Ion Ratio Lower Upper

228 100

226 28.3 24.0 36.0

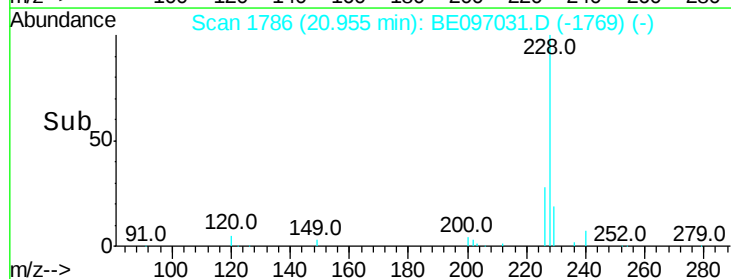
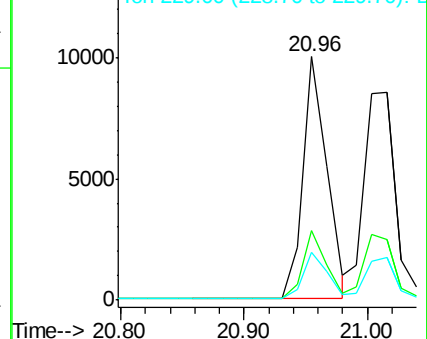
229 19.7 16.0 24.0



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





#31

Chrysene

Concen: 0.415 ng

RT: 21.02 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

Instrument :

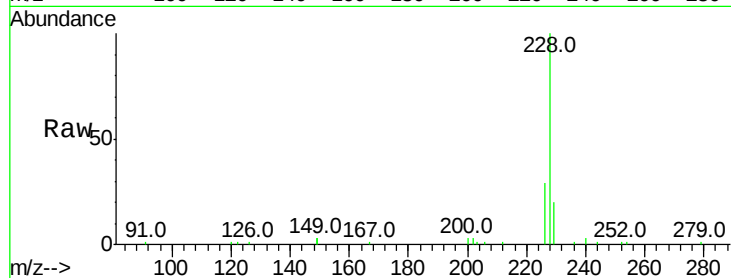
BNA_E

ClientSampleId :

RE104D3-071318MS

Tot Ion:228 Resp: 14868

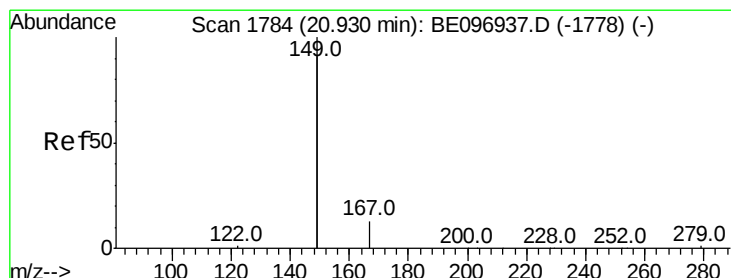
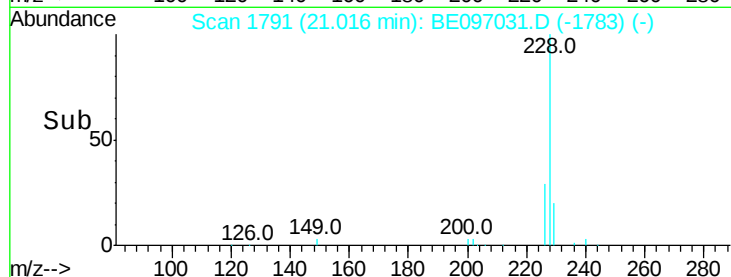
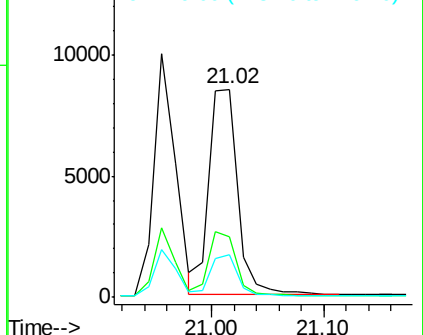
Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.0	36.0
229	20.4	16.0	24.0



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: 0.381 ng

RT: 20.92 min Scan# 1783

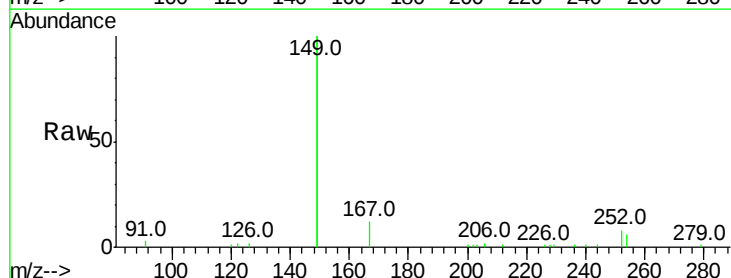
Delta R.T. -0.01 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

Tgt Ion:149 Resp: 12146

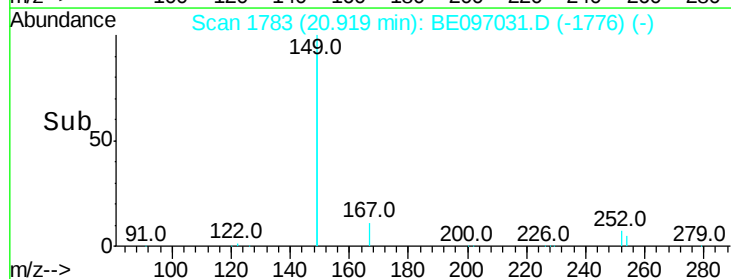
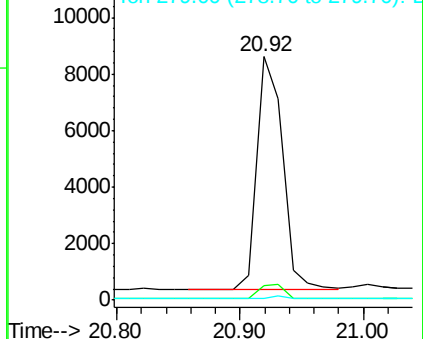
Ion	Ratio	Lower	Upper
149	100		
167	6.1	5.4	8.0
279	0.9	0.7	1.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.458 ng

RT: 25.51 min Scan# 2846

Delta R.T. 0.01 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

Instrument :

BNA_E

ClientSampleId :

RE104D3-071318MS

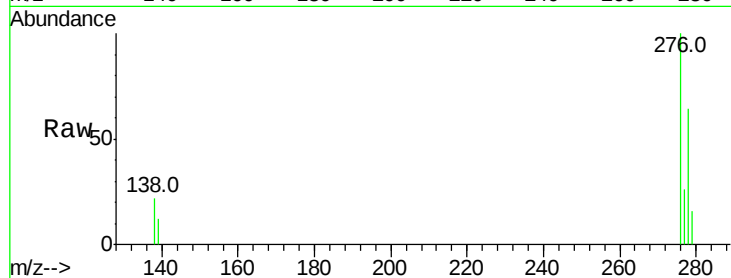
Tot Ion:276 Resp: 11945

Ion Ratio Lower Upper

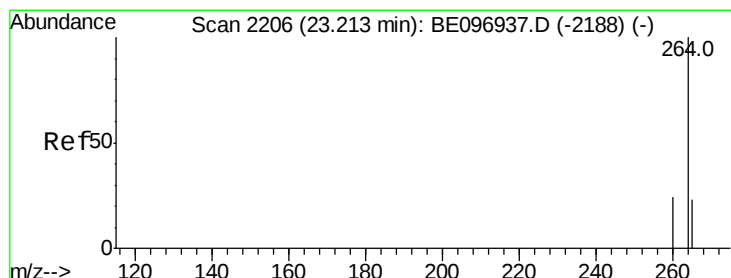
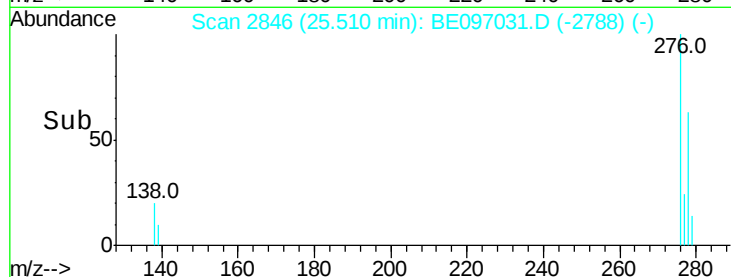
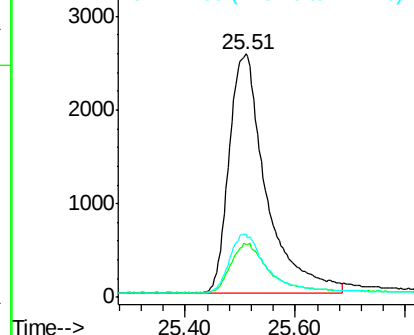
276 100

138 21.1 22.5 33.7#

277 24.3 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: 23.21 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

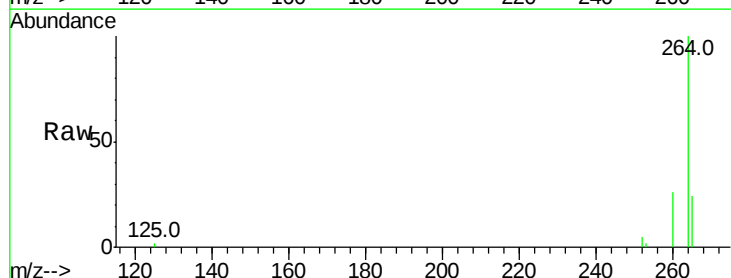
Tgt Ion:264 Resp: 11647

Ion Ratio Lower Upper

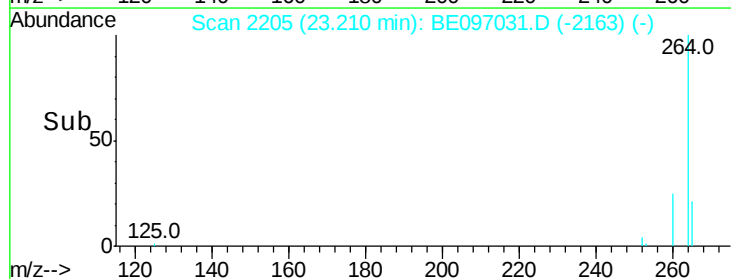
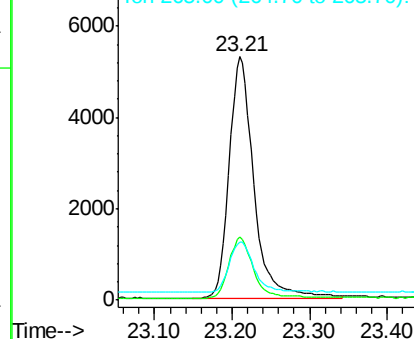
264 100

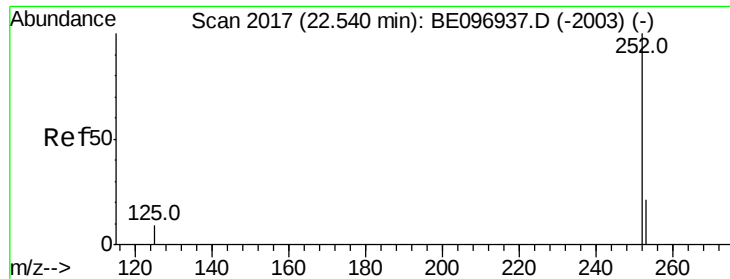
260 25.8 20.5 30.7

265 24.0 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: 0.385 ng

RT: 22.54 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

Instrument :

BNA_E

ClientSampleId :

RE104D3-071318MS

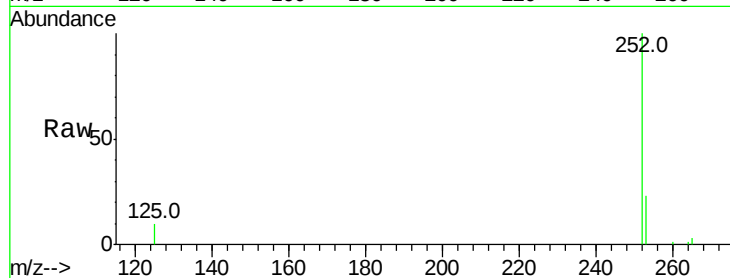
Tot Ion:252 Resp: 11435

Ion Ratio Lower Upper

252 100

253 22.6 20.0 30.0

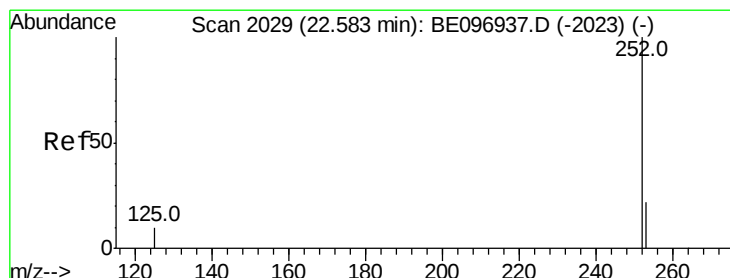
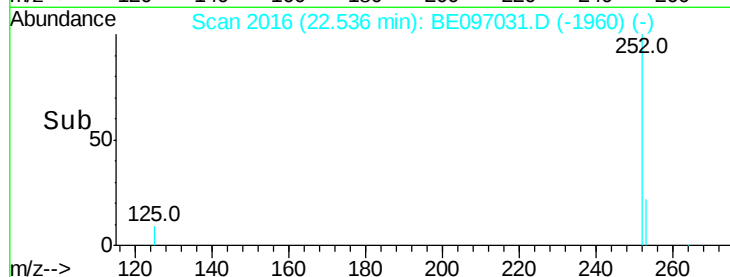
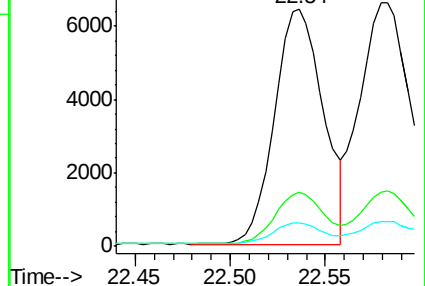
125 9.7 16.0 24.0#



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: 0.400 ng

RT: 22.58 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

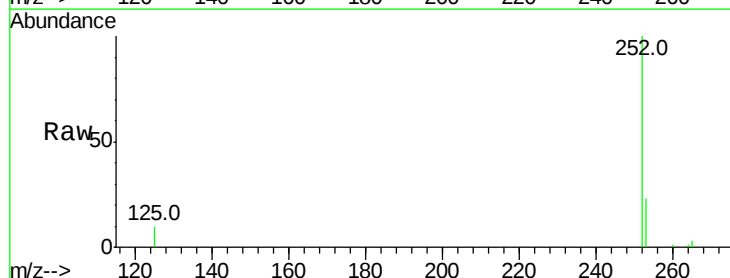
Tgt Ion:252 Resp: 14126

Ion Ratio Lower Upper

252 100

253 22.7 16.0 24.0

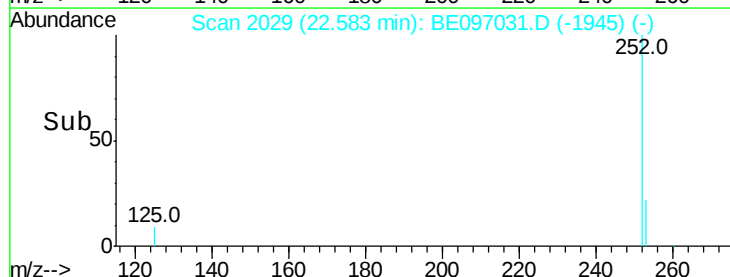
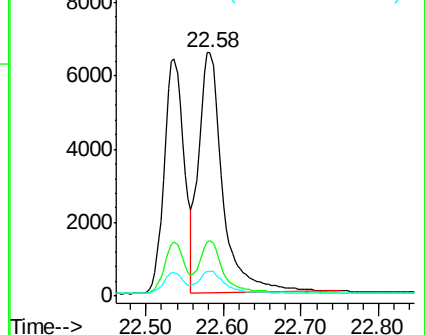
125 10.2 8.0 12.0

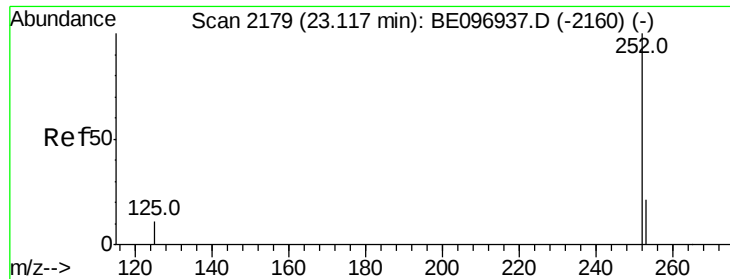


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.412 ng

RT: 23.11 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

Instrument :

BNA_E

ClientSampleId :

RE104D3-071318MS

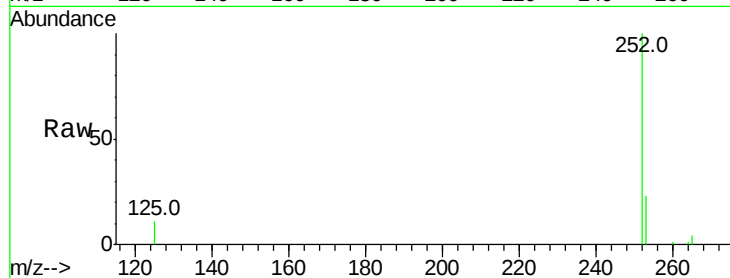
Tot Ion:252 Resp: 10500

Ion Ratio Lower Upper

252 100

253 23.0 16.0 24.0

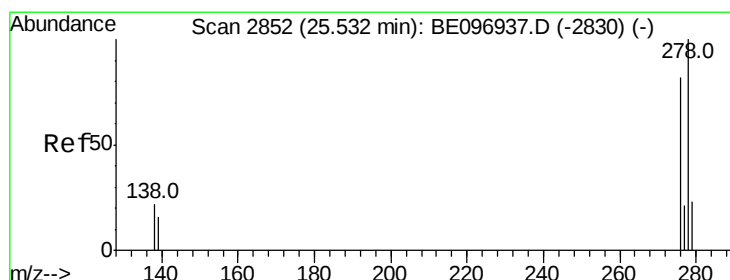
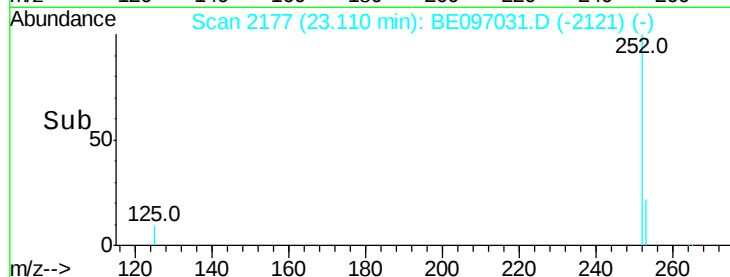
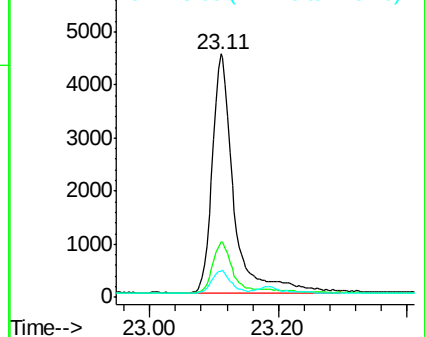
125 10.9 12.0 18.0#



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: 0.461 ng

RT: 25.53 min Scan# 2851

Delta R.T. 0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

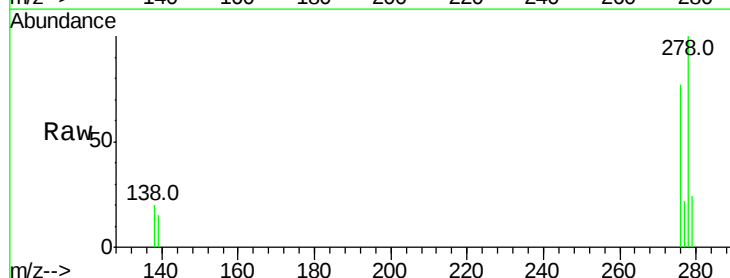
Tgt Ion:278 Resp: 9972

Ion Ratio Lower Upper

278 100

139 15.3 16.0 24.0#

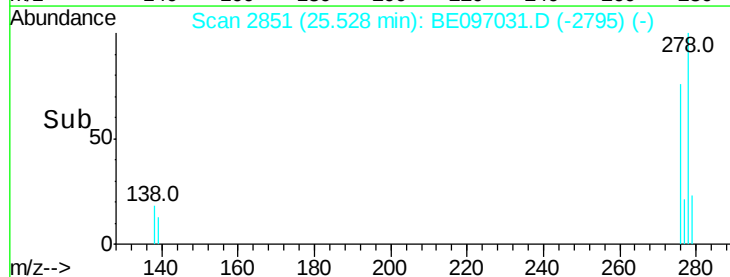
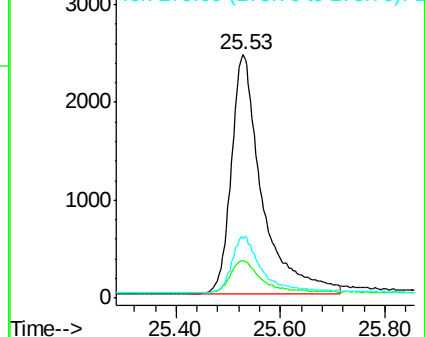
279 24.3 20.0 30.0



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.417 ng

RT: 26.20 min Scan# 3040

Delta R.T. 0.00 min

Lab File: BE097031.D

Acq: 23 Jul 2018 10:55

Instrument :

BNA_E

ClientSampleId :

RE104D3-071318MS

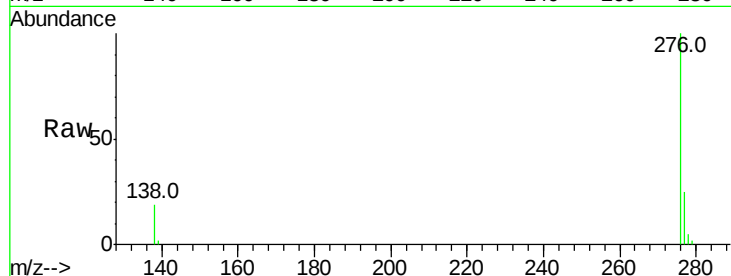
Tot Ion:276 Resp: 10090

Ion Ratio Lower Upper

276 100

277 25.3 16.0 24.0#

138 19.4 20.0 30.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

