

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091018\
 Data File : BE097445.D
 Acq On : 10 Sep 2018 13:37
 Operator : SJ/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 10 17:06:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE082218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 18:07:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	829	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	4416	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	3011	0.40	ng	-0.01
19) Phenanthrene-d10	16.75	188	7812	0.40	ng	-0.01
27) Chrysene-d12	20.97	240	8057	0.40	ng	0.00
34) Perylene-d12	23.20	264	7777	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	1006	0.41	ng	-0.01
5) Phenol-d6	6.58	99	1414	0.43	ng	-0.01
8) Nitrobenzene-d5	8.52	82	1357	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	2812	0.46	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	470	0.46	ng	0.00
15) 2-Fluorobiphenyl	12.62	172	4261	0.39	ng	0.00
25) Fluoranthene-d10	18.80	212	34322	0.38	ng	0.00
29) Terphenyl-d14	19.42	244	6498	0.44	ng	0.00

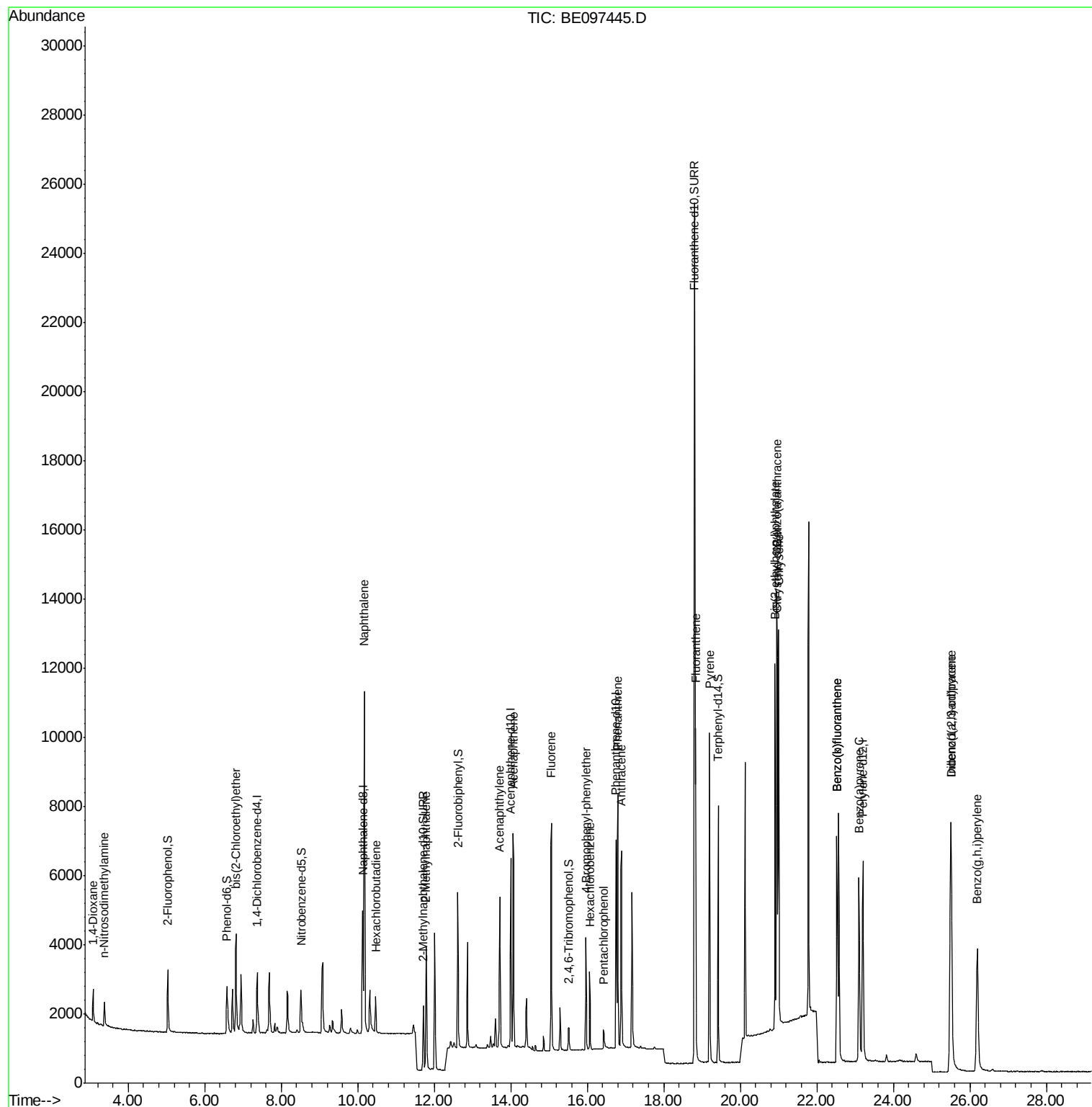
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.08	88	548	0.372	ng	# 87
3) n-Nitrosodimethylamine	3.37	42	521	0.378	ng	99
6) bis(2-Chloroethyl)ether	6.82	93	1146	0.380	ng	94
9) Naphthalene	10.17	128	16550	0.412	ng	100
10) Hexachlorobutadiene	10.47	225	726	0.404	ng	99
12) 2-Methylnaphthalene	11.79	142	2901	0.458	ng	99
16) Acenaphthylene	13.71	152	5026	0.420	ng	100
17) Acenaphthene	14.06	154	3287	0.412	ng	95
18) Fluorene	15.06	166	4339	0.429	ng	# 80
20) 4-Bromophenyl-phenylether	15.96	248	1543	0.434	ng	# 88
21) Hexachlorobenzene	16.07	284	1724	0.439	ng	# 83
22) Pentachlorophenol	16.43	266	401	0.465	ng	# 79
23) Phenanthrene	16.80	178	7814	0.420	ng	99
24) Anthracene	16.89	178	6912	0.437	ng	95
26) Fluoranthene	18.83	202	8795	0.377	ng	98
28) Pyrene	19.19	202	9017	0.470	ng	100
30) Benzo(a)anthracene	20.95	228	8577	0.421	ng	96
31) Chrysene	21.00	228	9092	0.414	ng	99
32) Bis(2-ethylhexyl)phthalate	20.91	149	12156	0.501	ng	100
33) Indeno(1,2,3-cd)pyrene	25.50	276	10371	0.372	ng	# 92
35) Benzo(b)fluoranthene	22.53	252	8572	0.411	ng	# 89
36) Benzo(k)fluoranthene	22.53	252	8572	0.373	ng	94
37) Benzo(a)pyrene	23.10	252	8090	0.403	ng	# 92
38) Dibenzo(a,h)anthracene	25.51	278	8662	0.363	ng	97
39) Benzo(g,h,i)perylene	26.19	276	8463	0.341	ng	# 89

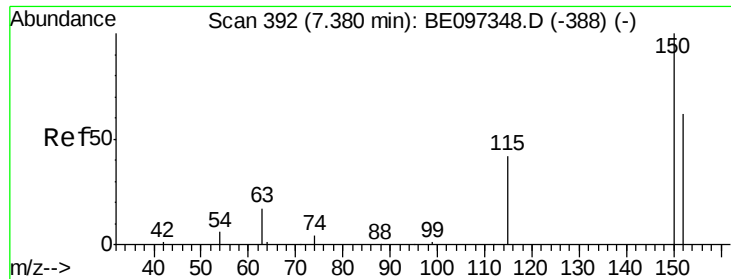
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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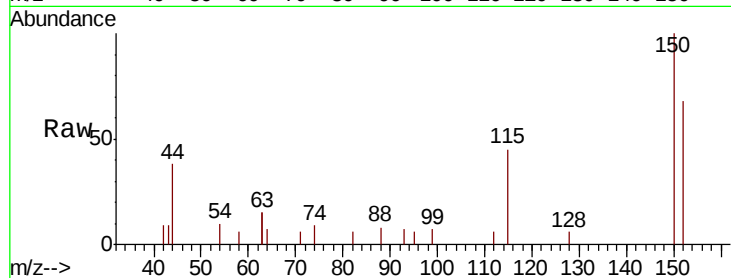




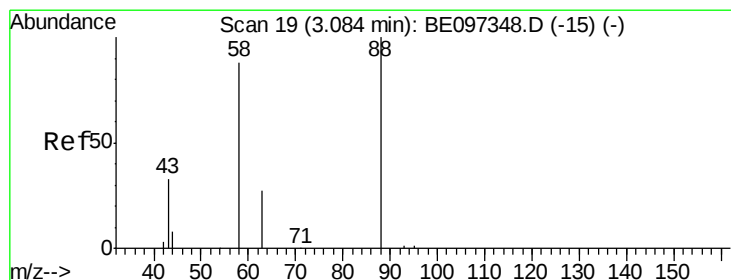
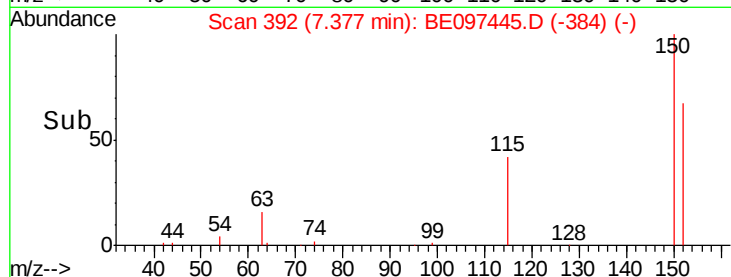
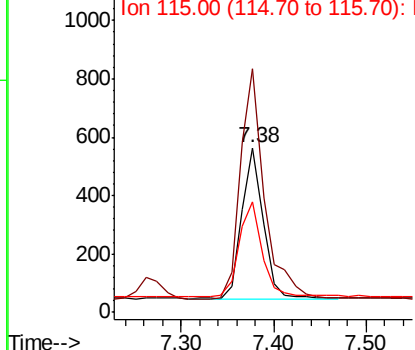
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.38 min Scan# 392
 Delta R.T. -0.00 min
 Lab File: BE097445.D
 Acq: 10 Sep 2018 13:37

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:152 Resp: 829
 Ion Ratio Lower Upper
 152 100
 150 148.1 117.2 175.8
 115 67.0 57.0 85.6

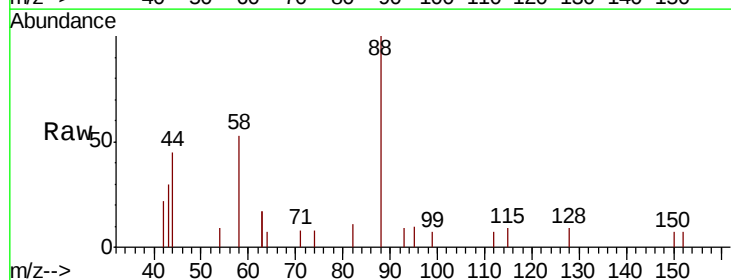


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

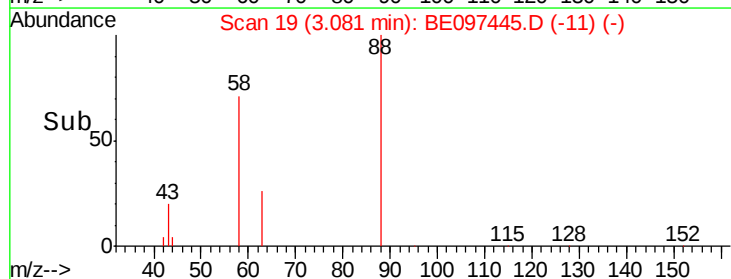
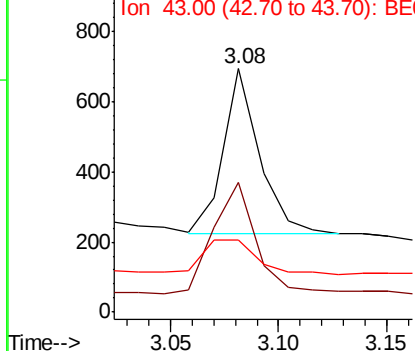


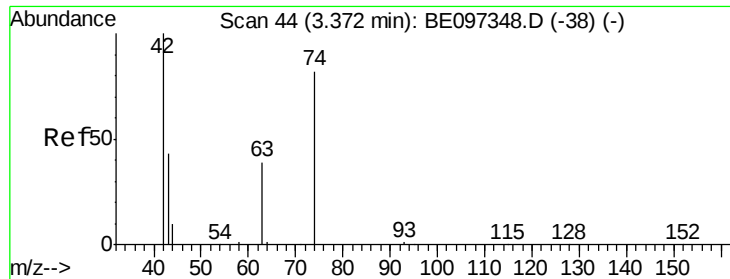
#2
 1,4-Dioxane
 Concen: 0.372 ng
 RT: 3.08 min Scan# 19
 Delta R.T. -0.00 min
 Lab File: BE097445.D
 Acq: 10 Sep 2018 13:37

Tgt Ion: 88 Resp: 548
 Ion Ratio Lower Upper
 88 100
 58 76.3 63.2 94.8
 43 31.6 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



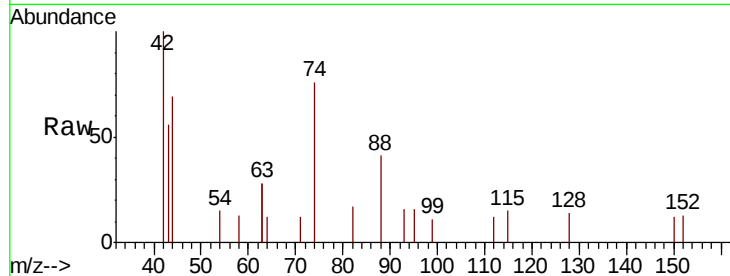


#3

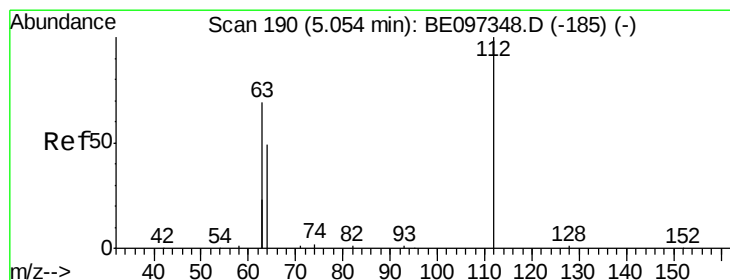
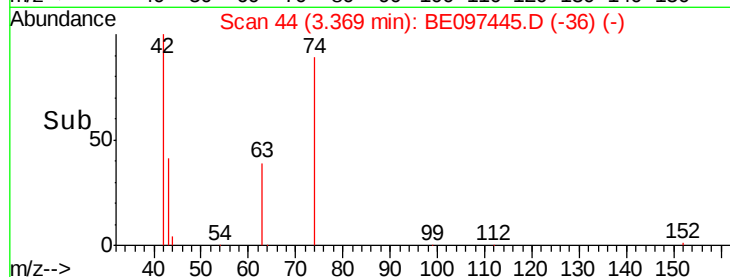
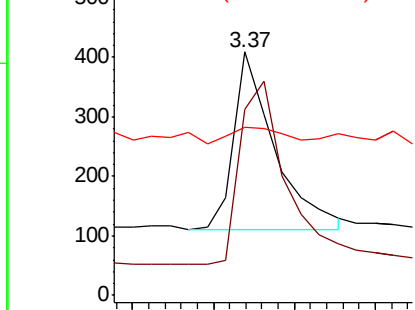
n-Nitrosodimethylamine
 Concen: 0.378 ng
 RT: 3.37 min Scan# 44
 Delta R.T. -0.00 min
 Lab File: BE097445.D
 Acq: 10 Sep 2018 13:37

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 521
 Ion Ratio Lower Upper
 42 100
 74 118.8 96.0 144.0
 44 13.8 12.0 18.0



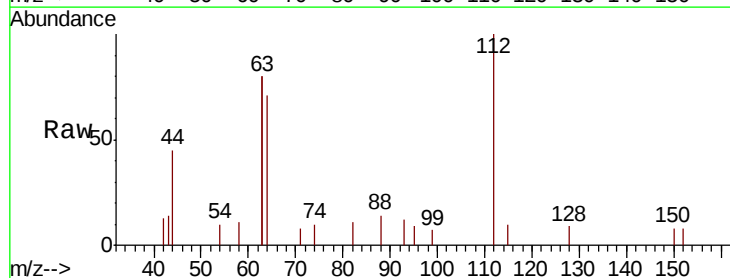
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



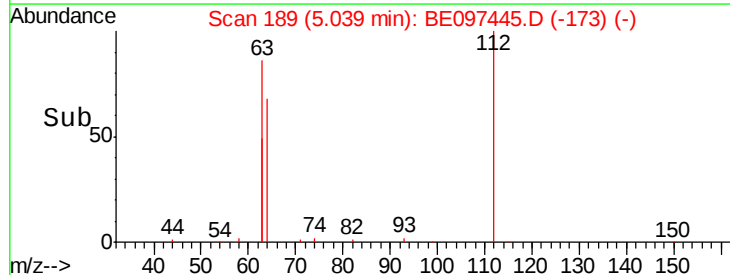
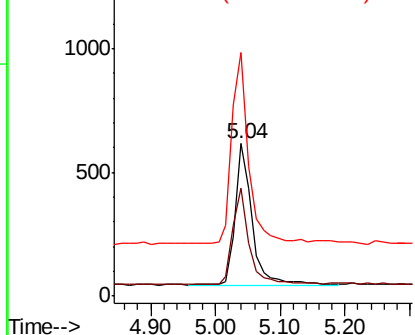
#4

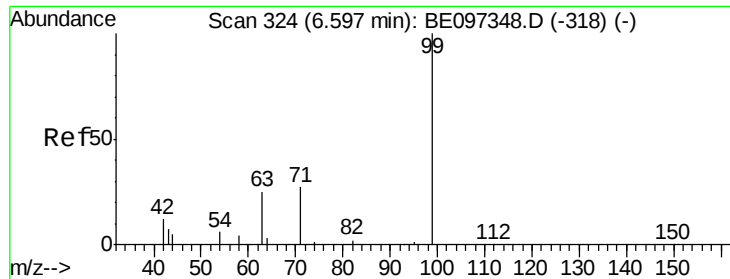
2-Fluorophenol
 Concen: 0.410 ng
 RT: 5.04 min Scan# 189
 Delta R.T. -0.01 min
 Lab File: BE097445.D
 Acq: 10 Sep 2018 13:37

Tgt Ion: 112 Resp: 1006
 Ion Ratio Lower Upper
 112 100
 64 67.7 60.1 90.1
 63 134.8 116.8 175.2



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: 0.432 ng

RT: 6.58 min Scan# 323

Delta R.T. -0.01 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

Instrument :

BNA_E

ClientSampleId :

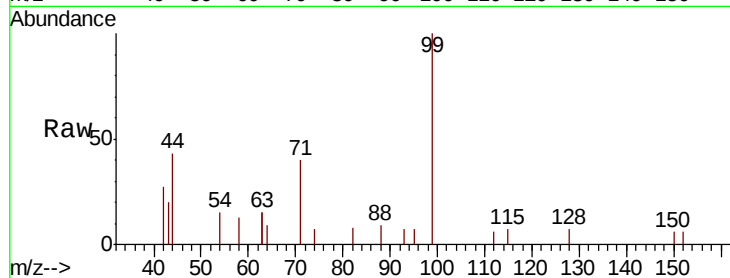
Tot Ion: 99 Resp: 1414

Ion Ratio Lower Upper

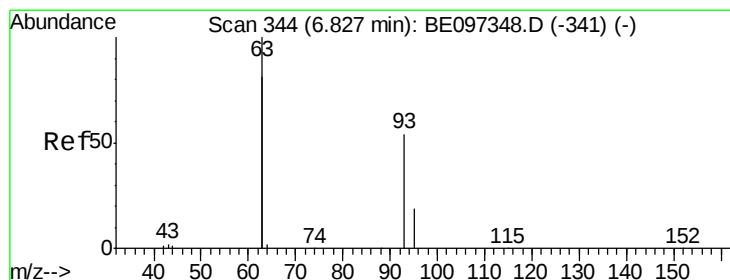
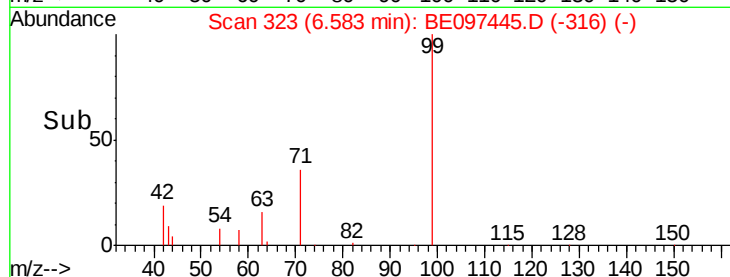
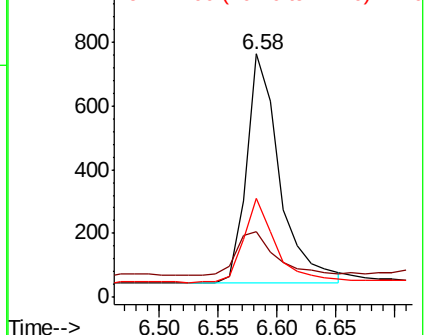
99 100

42 22.1 20.2 30.2

71 35.2 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: 0.380 ng

RT: 6.82 min Scan# 344

Delta R.T. -0.00 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

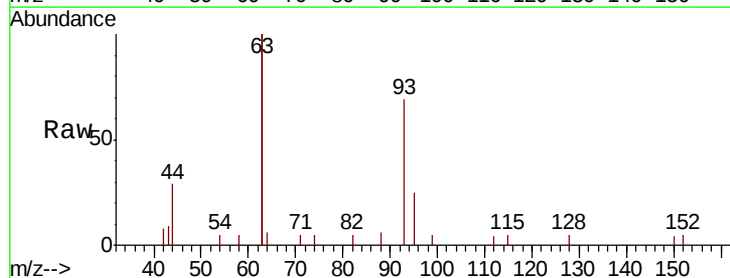
Tgt Ion: 93 Resp: 1146

Ion Ratio Lower Upper

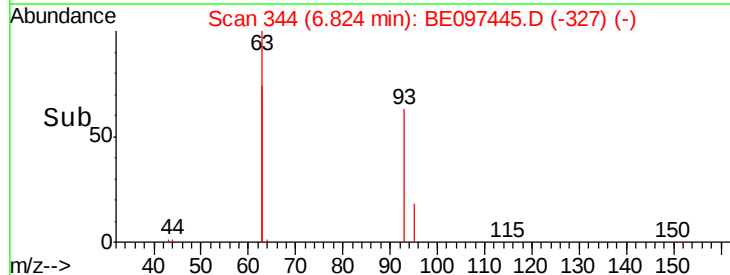
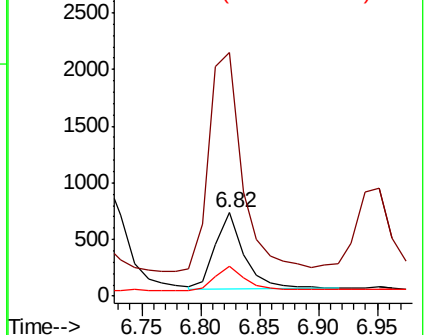
93 100

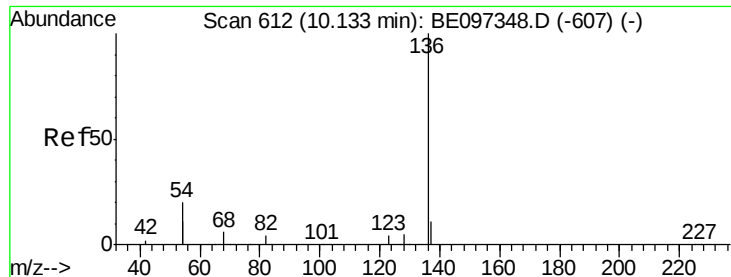
63 331.9 275.3 412.9

95 34.3 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: 10.13 min Scan# 612

Delta R.T. 0.00 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4416

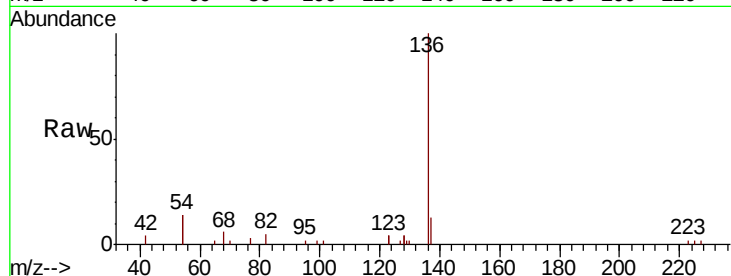
Ion Ratio Lower Upper

136 100

137 12.8 9.5 14.3

54 28.0 29.1 43.7#

68 6.1 6.2 9.2#

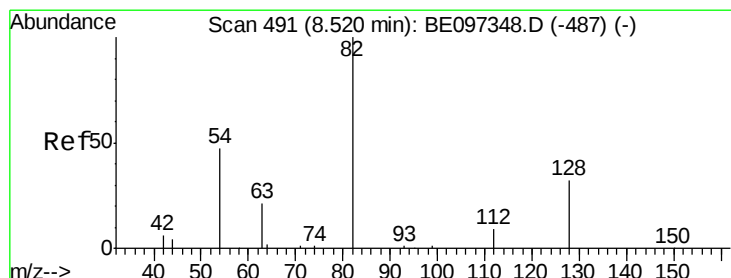
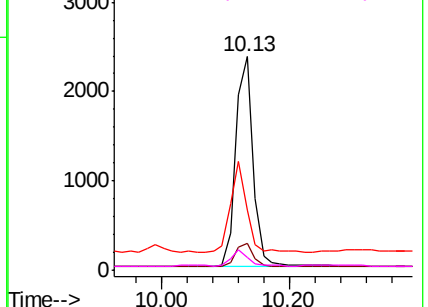
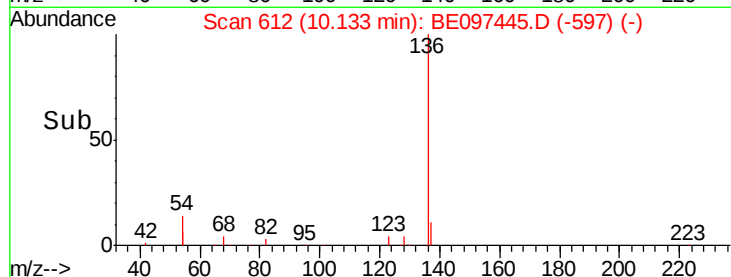


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.429 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

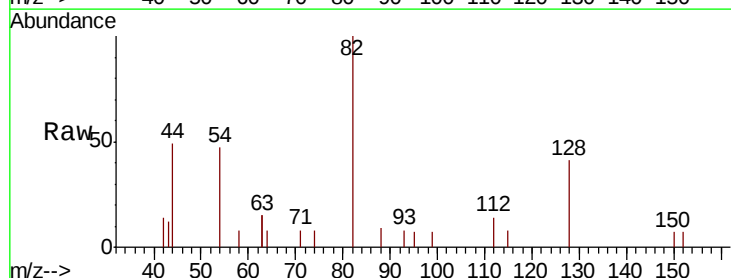
Tgt Ion: 82 Resp: 1357

Ion Ratio Lower Upper

82 100

128 40.6 24.0 36.0#

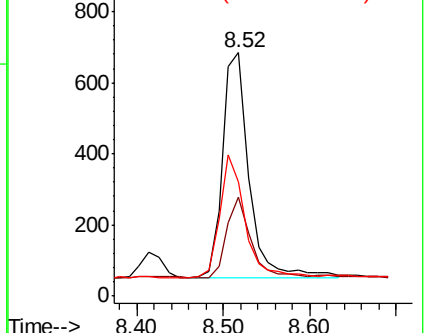
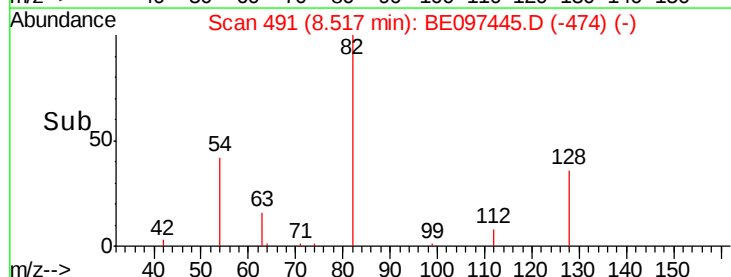
54 46.7 40.0 60.0

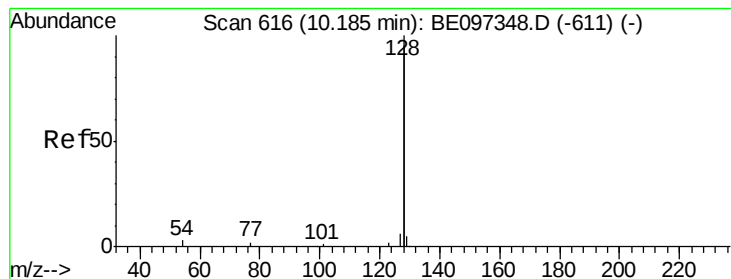


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.412 ng

RT: 10.17 min Scan# 615

Delta R.T. -0.01 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

Instrument :

BNA_E

ClientSampleId :

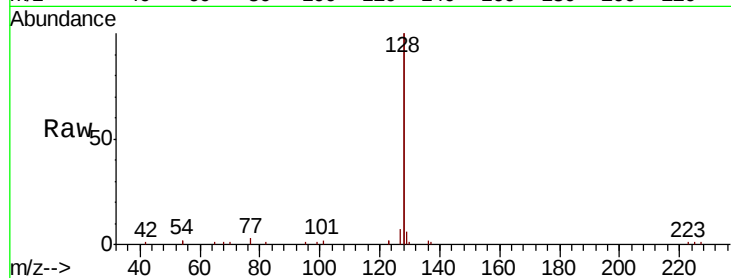
Tot Ion:128 Resp: 16550

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

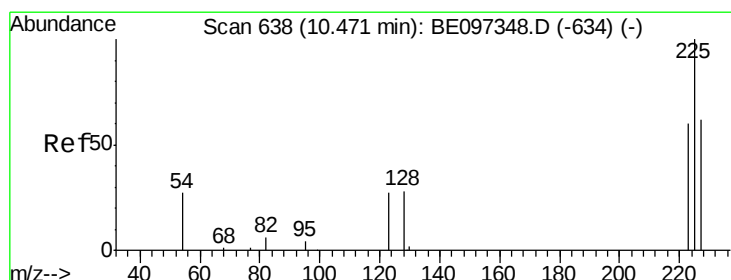
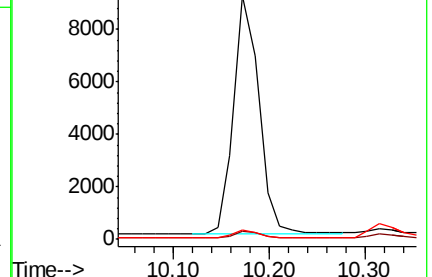
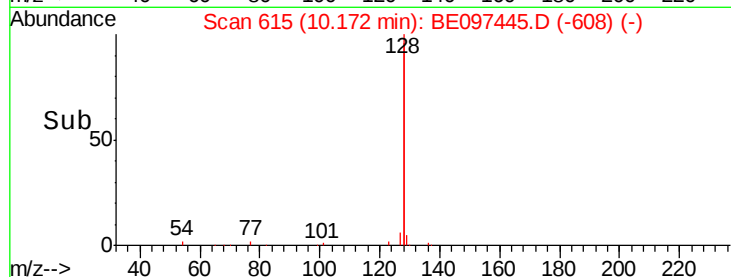
127 3.7 2.8 4.2



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: 0.404 ng

RT: 10.47 min Scan# 638

Delta R.T. 0.00 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

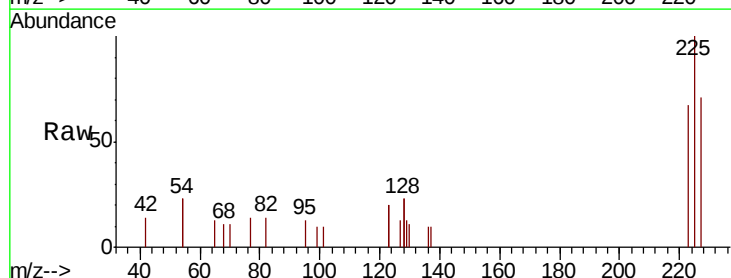
Tgt Ion:225 Resp: 726

Ion Ratio Lower Upper

225 100

223 65.3 53.0 79.6

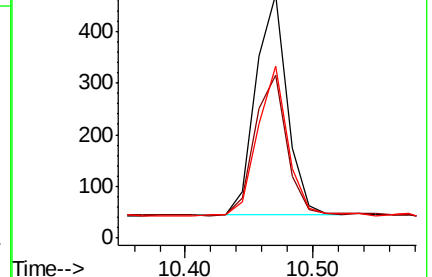
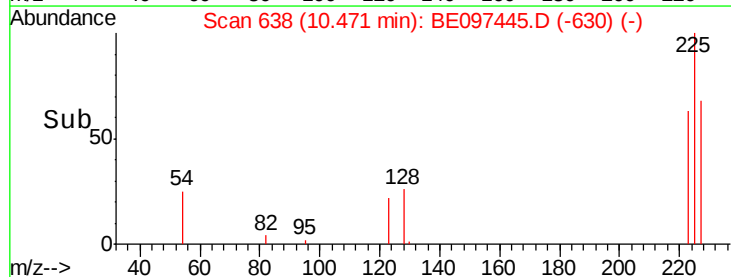
227 65.0 51.4 77.2

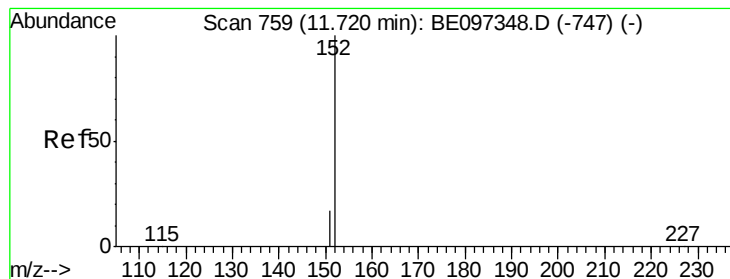


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.457 ng

RT: 11.72 min Scan# 758

Delta R.T. -0.00 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

Instrument :

BNA_E

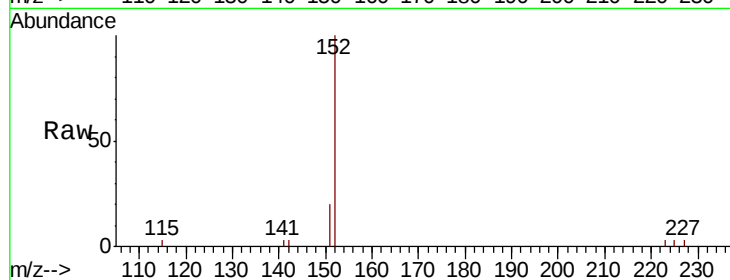
ClientSampleId :

Tot Ion:152 Resp: 2812

Ion Ratio Lower Upper

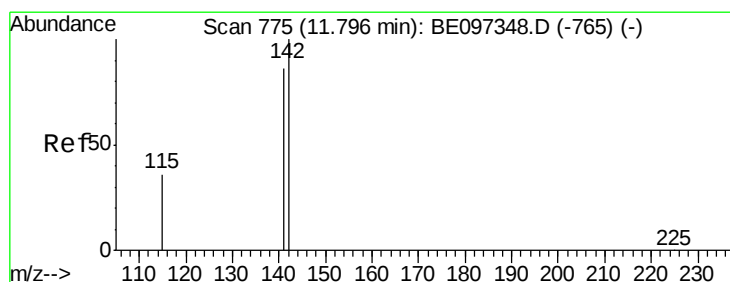
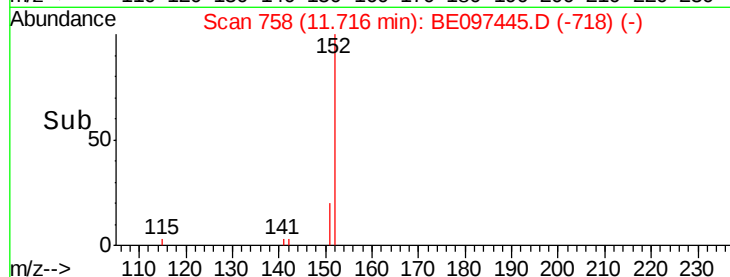
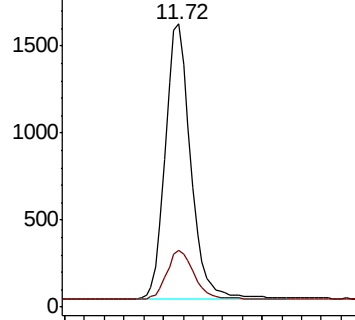
152 100

151 19.0 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: 0.458 ng

RT: 11.79 min Scan# 774

Delta R.T. -0.00 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

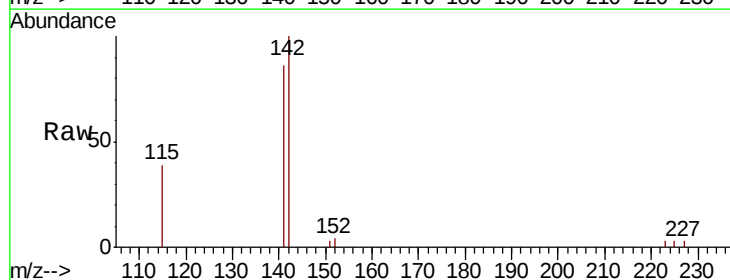
Tgt Ion:142 Resp: 2901

Ion Ratio Lower Upper

142 100

141 86.5 70.4 105.6

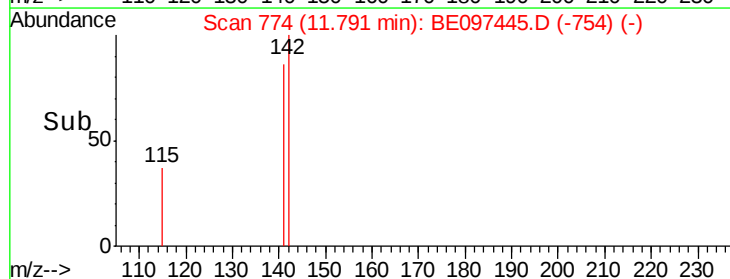
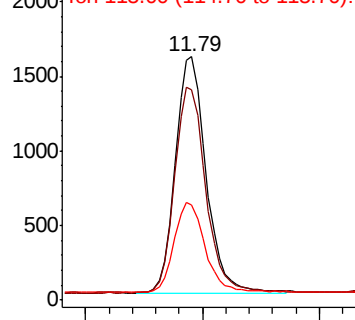
115 38.9 31.7 47.5

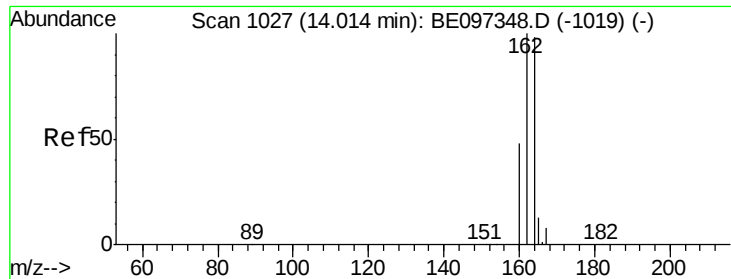


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

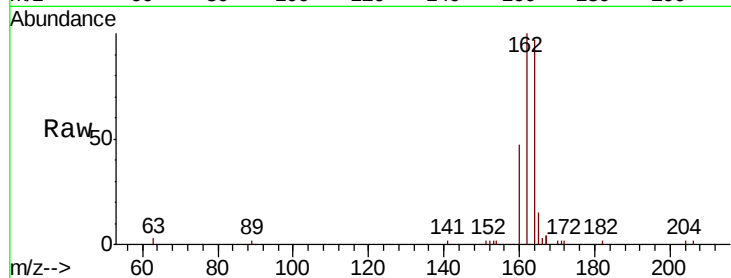




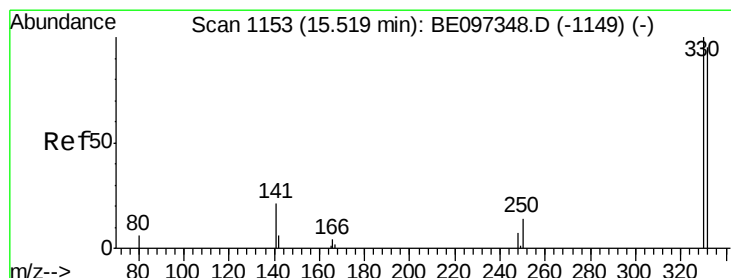
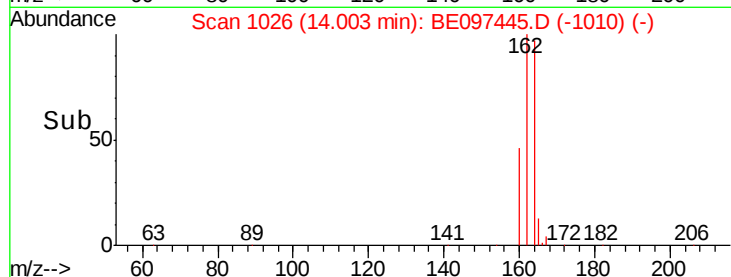
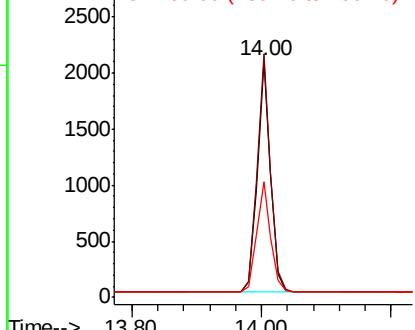
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.00 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BE097445.D
 Acq: 10 Sep 2018 13:37

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 3011
 Ion Ratio Lower Upper
 164 100
 162 103.2 83.1 124.7
 160 48.7 37.1 55.7

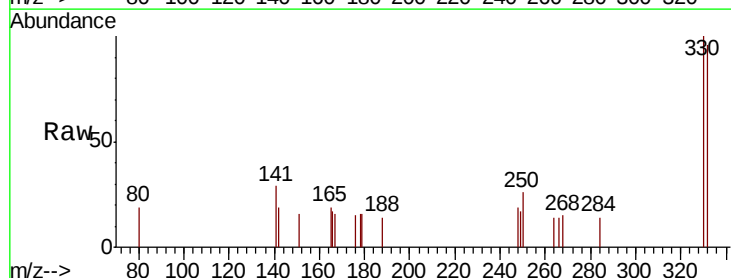


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

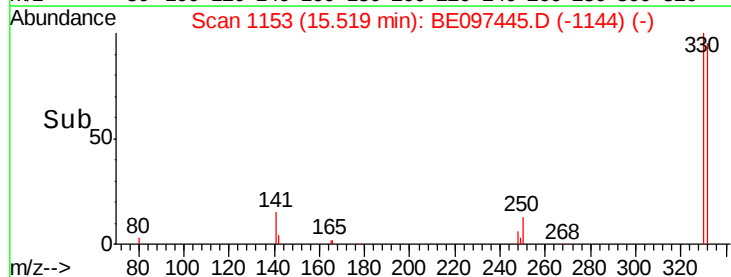
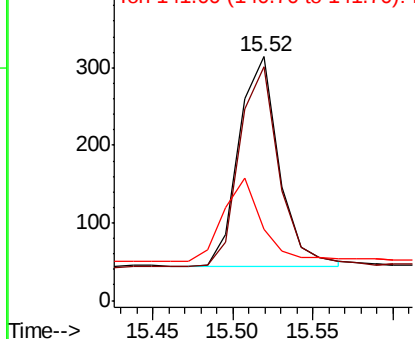


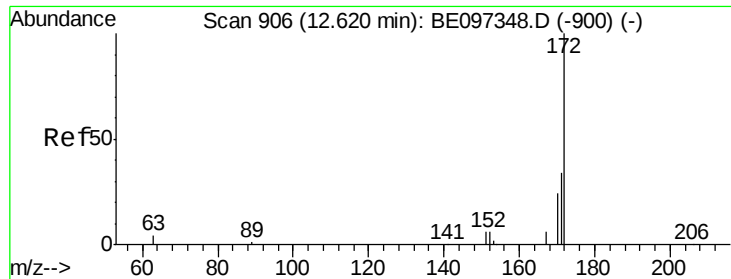
#14
 2,4,6-Tribromophenol
 Concen: 0.462 ng
 RT: 15.52 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: BE097445.D
 Acq: 10 Sep 2018 13:37

Tgt Ion:330 Resp: 470
 Ion Ratio Lower Upper
 330 100
 332 94.3 152.7 229.1#
 141 39.8 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

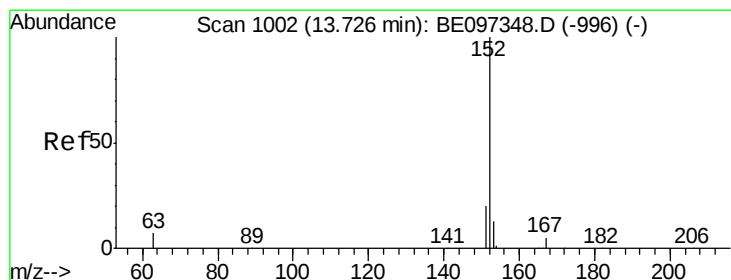
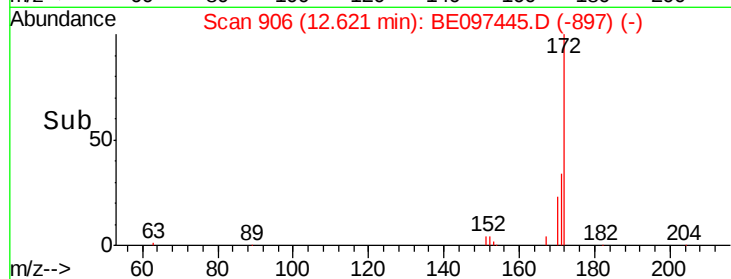
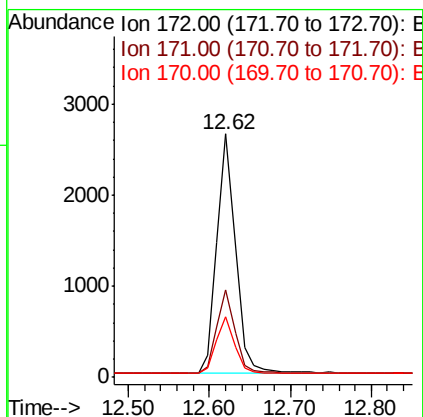
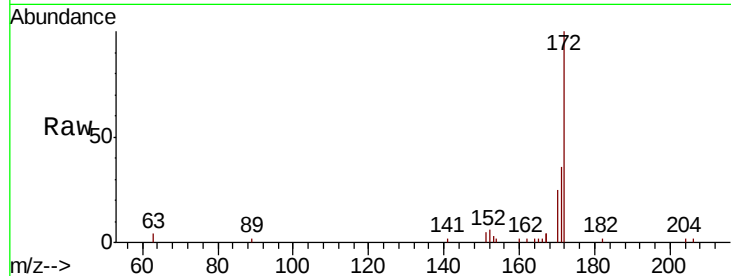




#15
2-Fluorobiphenyl
Concen: 0.386 ng
RT: 12.62 min Scan# 906
Delta R.T. 0.00 min
Lab File: BE097445.D
Acq: 10 Sep 2018 13:37

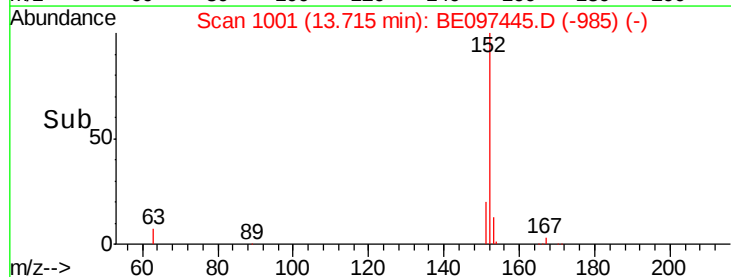
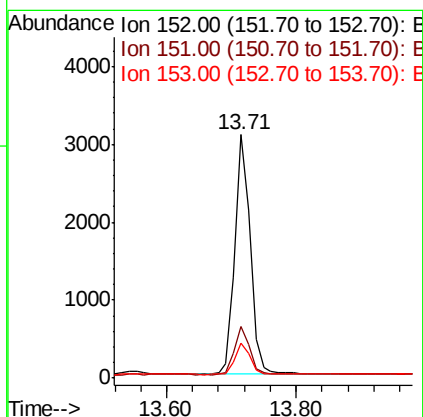
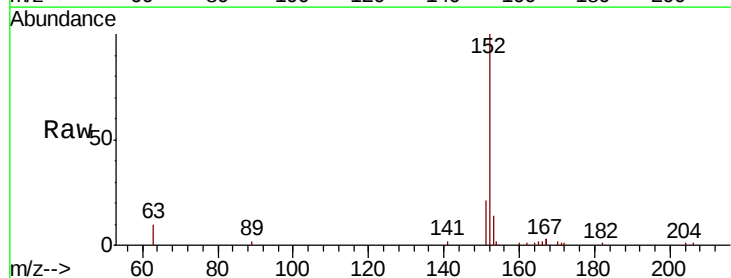
Instrument :
BNA_E
ClientSampleId :

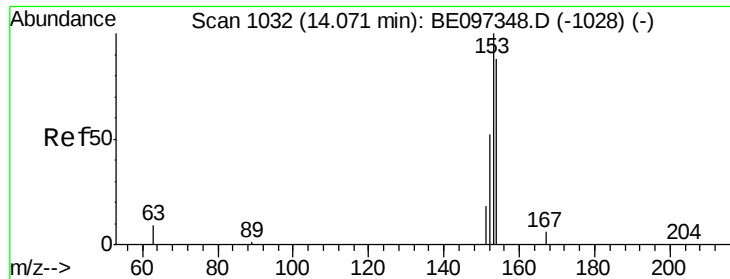
Tot Ion:172 Resp: 4261
Ion Ratio Lower Upper
172 100
171 35.7 29.9 44.9
170 24.7 21.8 32.8



#16
Acenaphthylene
Concen: 0.420 ng
RT: 13.71 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BE097445.D
Acq: 10 Sep 2018 13:37

Tgt Ion:152 Resp: 5026
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 13.1 10.5 15.7





#17

Acenaphthene

Concen: 0.412 ng

RT: 14.06 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

Instrument :

BNA_E

ClientSampleId :

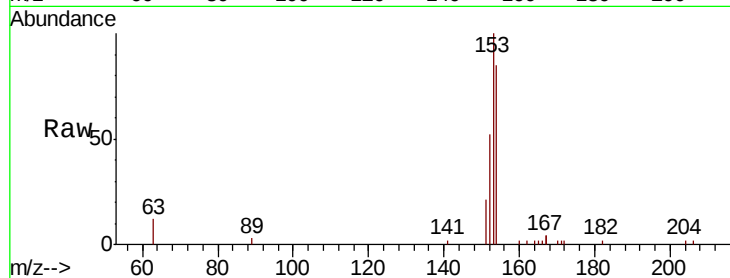
Tot Ion:154 Resp: 3287

Ion Ratio Lower Upper

154 100

153 116.0 89.2 133.8

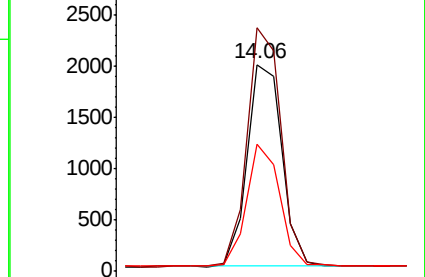
152 57.6 42.0 63.0



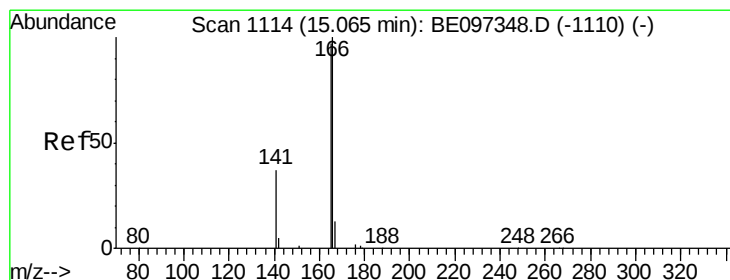
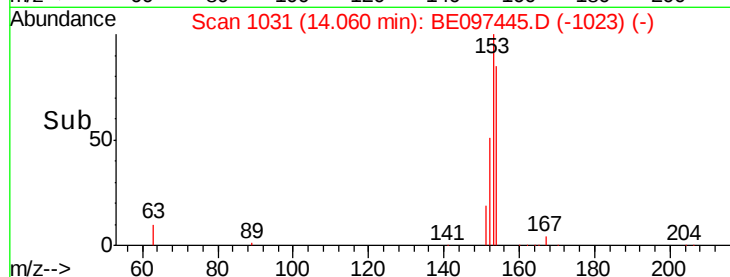
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->



#18

Fluorene

Concen: 0.429 ng

RT: 15.06 min Scan# 1114

Delta R.T. -0.00 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

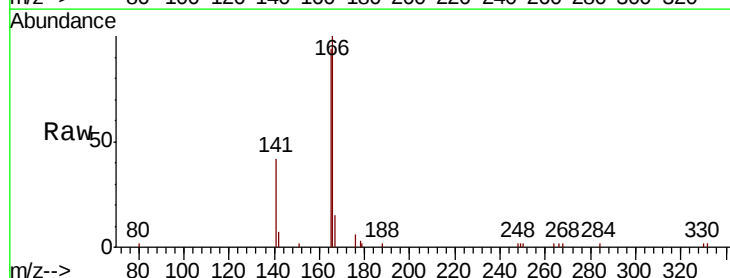
Tgt Ion:166 Resp: 4339

Ion Ratio Lower Upper

166 100

165 97.3 77.8 116.6

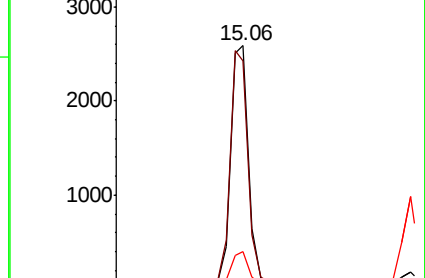
167 13.4 42.4 63.6#



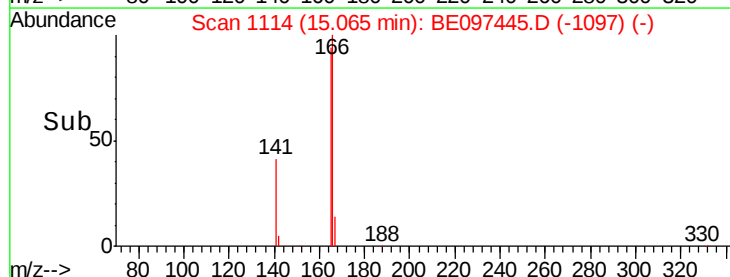
Abundance Ion 166.00 (165.70 to 166.70): E

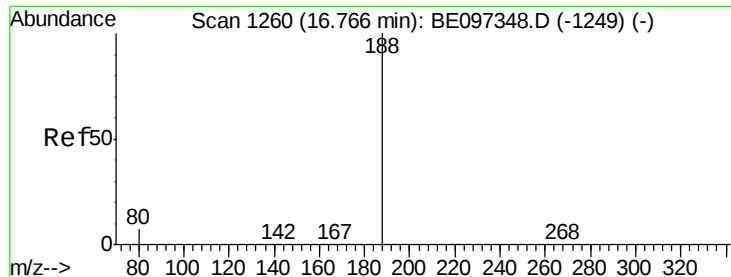
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.75 min Scan# 1259

Delta R.T. -0.01 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

Instrument :

BNA_E

ClientSampleId :

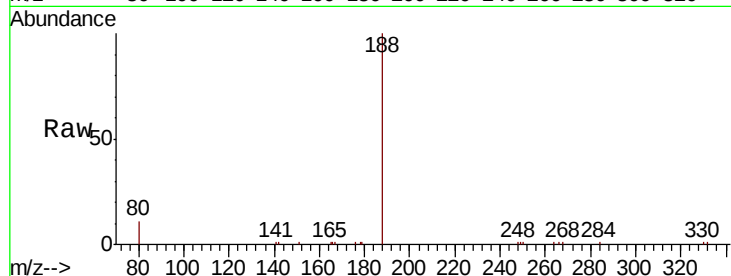
Tot Ion:188 Resp: 7812

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

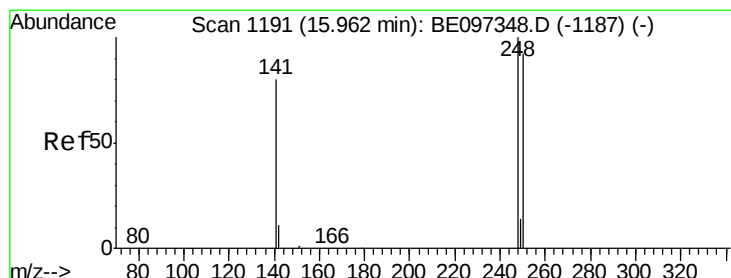
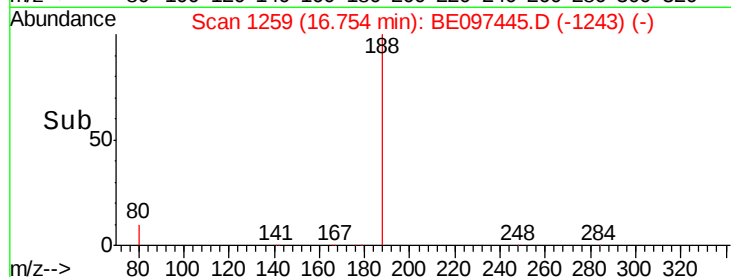
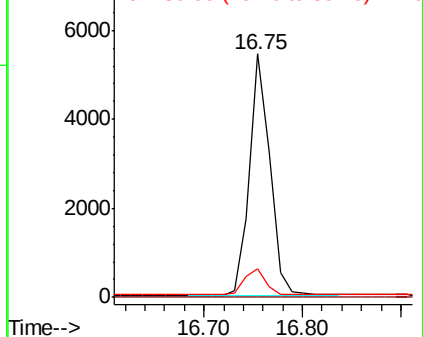
80 11.5 3.6 5.4#



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



#20

4-Bromophenyl-phenylether

Concen: 0.434 ng

RT: 15.96 min Scan# 1191

Delta R.T. -0.00 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

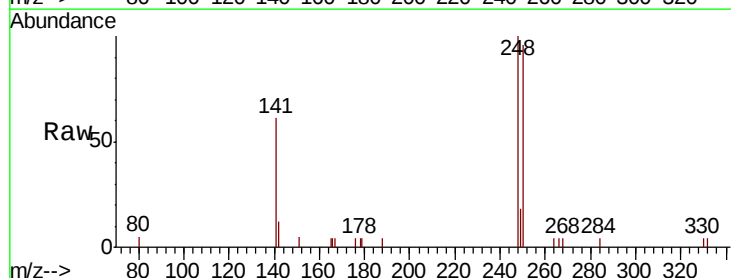
Tgt Ion:248 Resp: 1543

Ion Ratio Lower Upper

248 100

250 95.6 62.7 94.1#

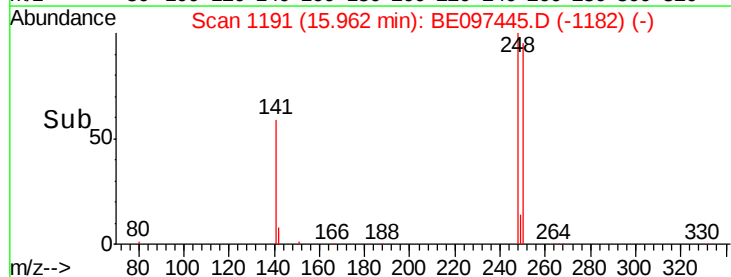
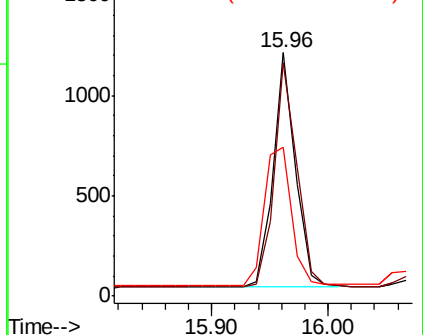
141 61.1 48.2 72.2

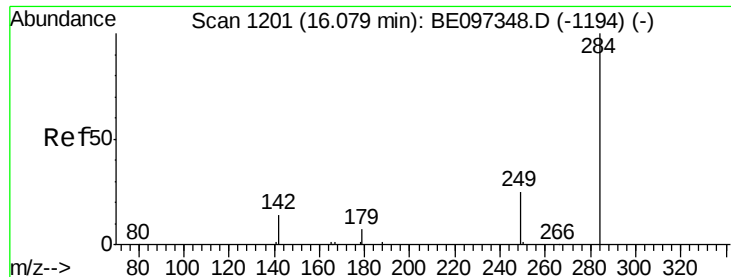


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.439 ng

RT: 16.07 min Scan# 1200

Delta R.T. -0.01 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

Instrument :

BNA_E

ClientSampleId :

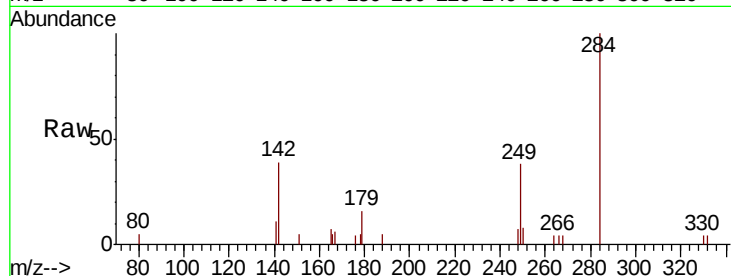
Tot Ion:284 Resp: 1724

Ion Ratio Lower Upper

284 100

142 34.7 22.1 33.1#

249 31.4 34.8 52.2#

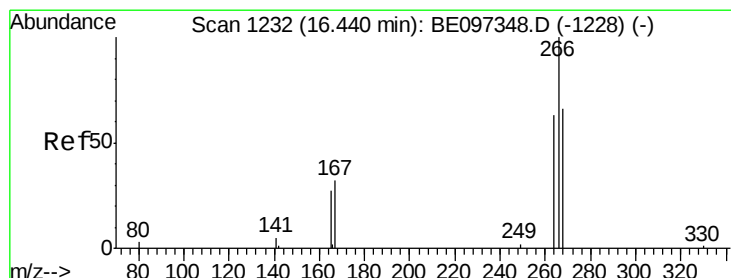
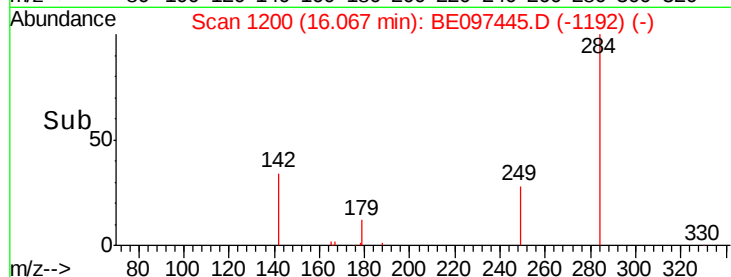
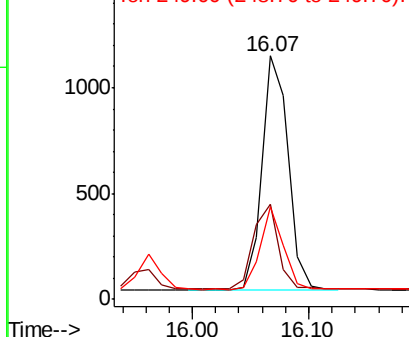


Abundance

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: 0.465 ng

RT: 16.43 min Scan# 1231

Delta R.T. -0.01 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

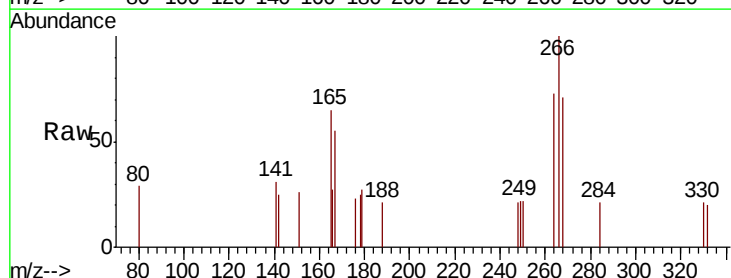
Tgt Ion:266 Resp: 401

Ion Ratio Lower Upper

266 100

264 73.0 72.5 108.7

268 70.7 73.8 110.6#

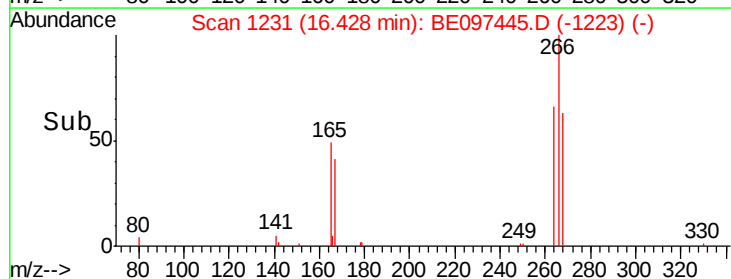
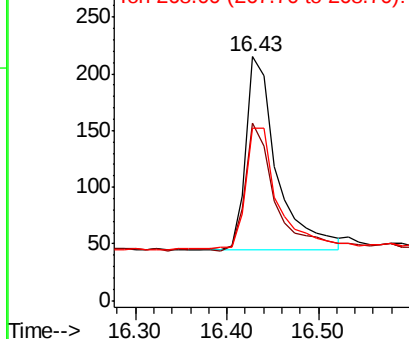


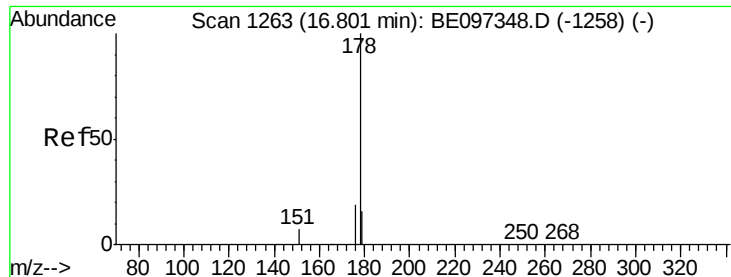
Abundance

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: 0.420 ng

RT: 16.80 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

Instrument :

BNA_E

ClientSampleId :

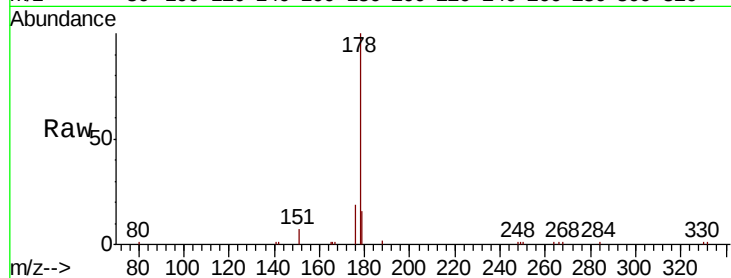
Tot Ion:178 Resp: 7814

Ion Ratio Lower Upper

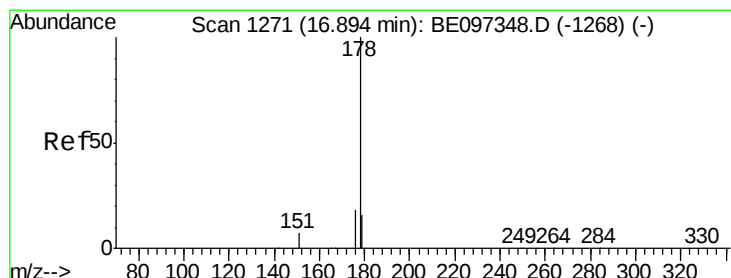
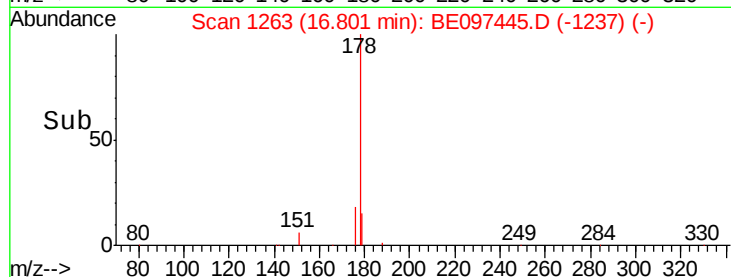
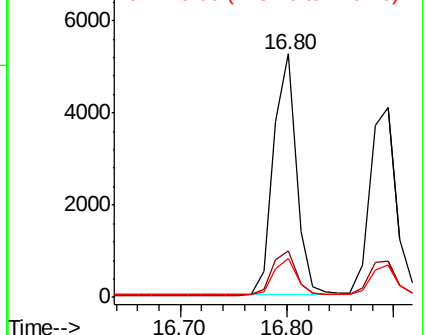
178 100

176 19.1 15.1 22.7

179 15.1 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: 0.437 ng

RT: 16.89 min Scan# 1271

Delta R.T. -0.00 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

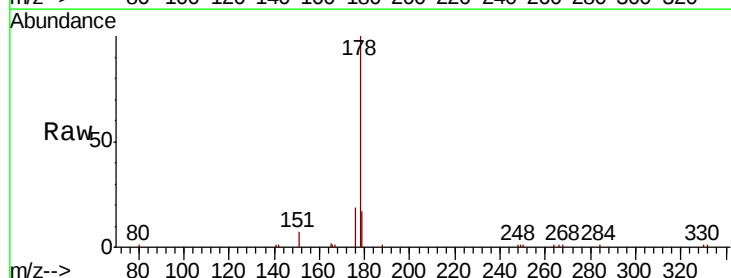
Tgt Ion:178 Resp: 6912

Ion Ratio Lower Upper

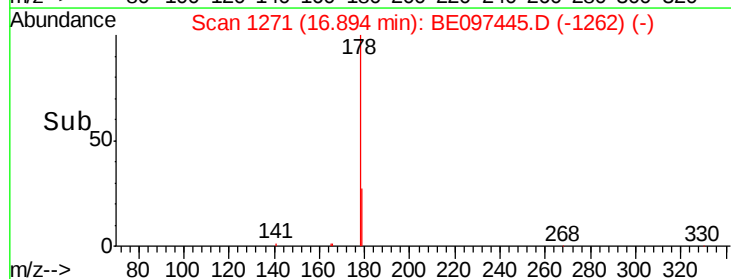
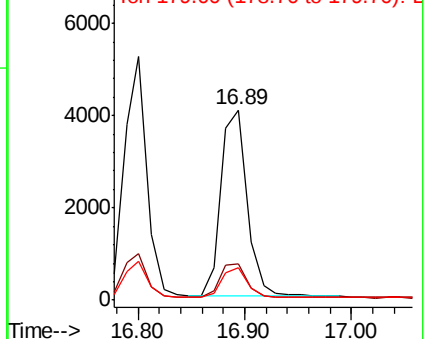
178 100

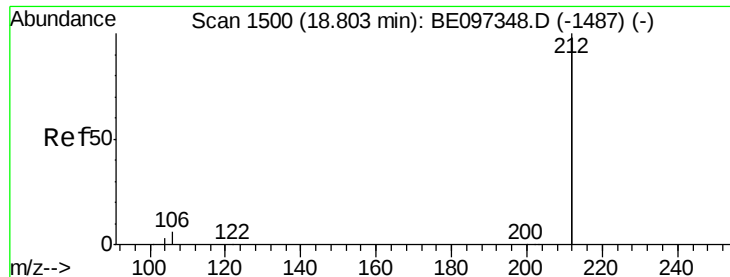
176 19.1 12.8 19.2

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: 0.383 ng

RT: 18.80 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

Instrument :

BNA_E

ClientSampleId :

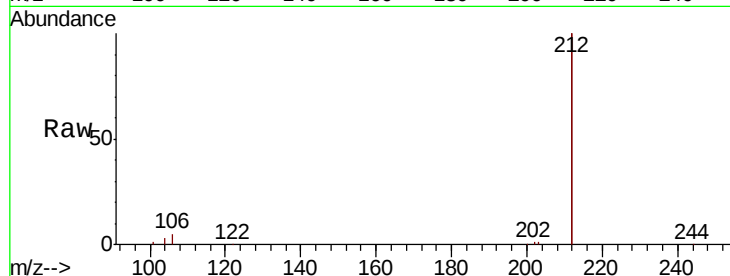
Tot Ion:212 Resp: 34322

Ion Ratio Lower Upper

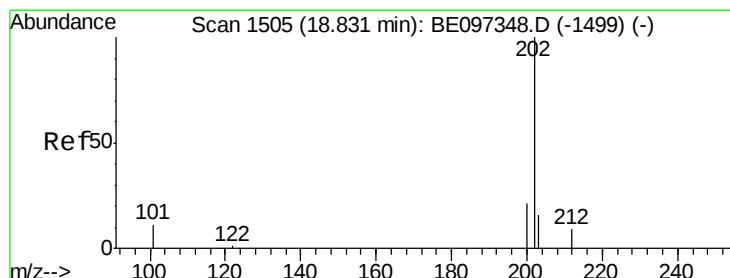
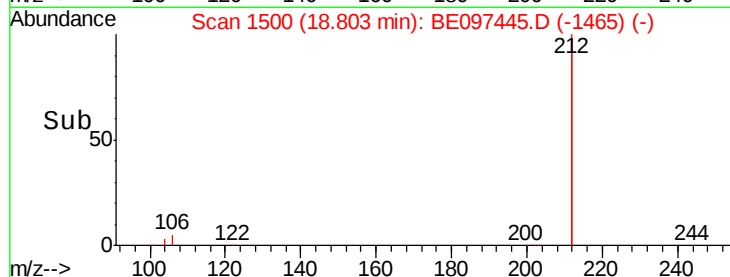
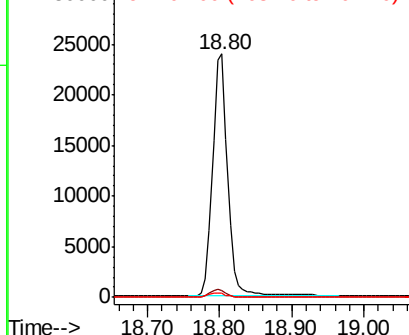
212 100

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: 0.377 ng

RT: 18.83 min Scan# 1505

Delta R.T. 0.00 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

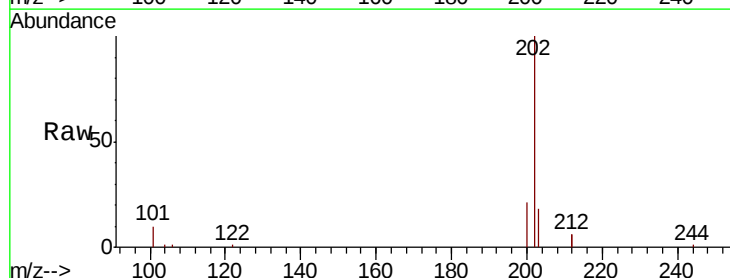
Tgt Ion:202 Resp: 8795

Ion Ratio Lower Upper

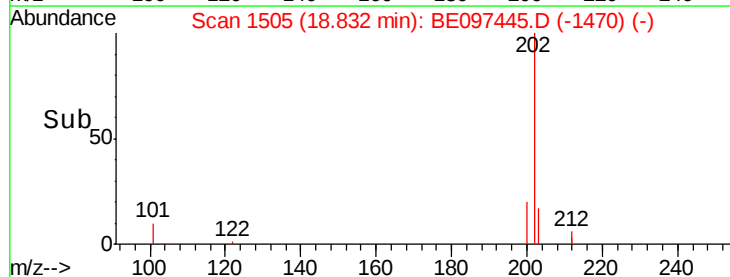
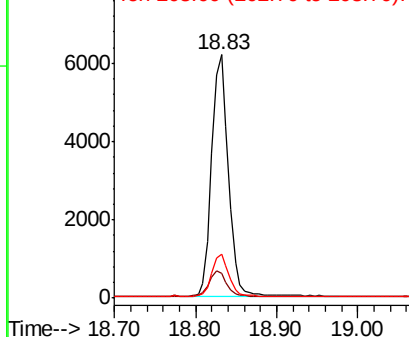
202 100

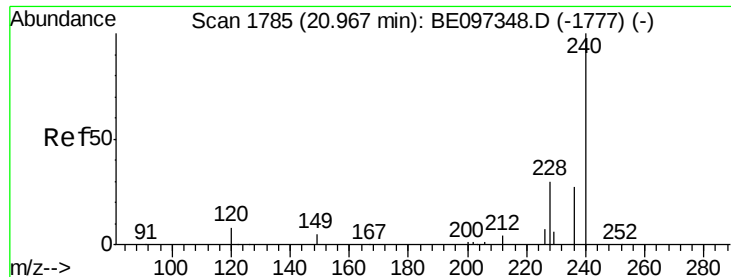
101 10.9 9.8 14.8

203 17.1 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: 20.97 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

Instrument :

BNA_E

ClientSampleId :

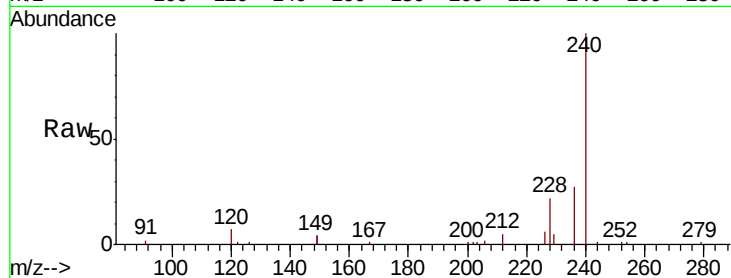
Tot Ion:240 Resp: 8057

Ion Ratio Lower Upper

240 100

120 7.1 5.5 8.3

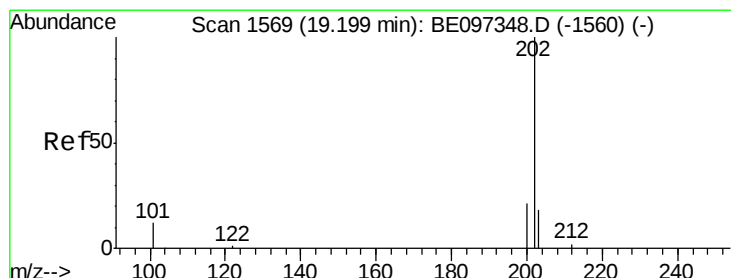
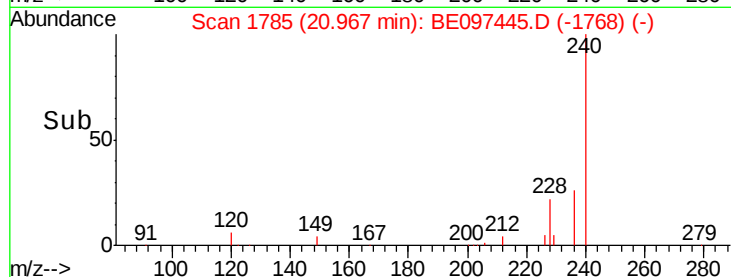
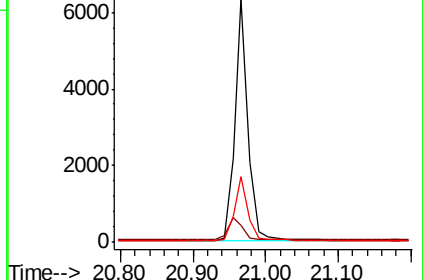
236 27.0 20.7 31.1



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: 0.470 ng

RT: 19.19 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

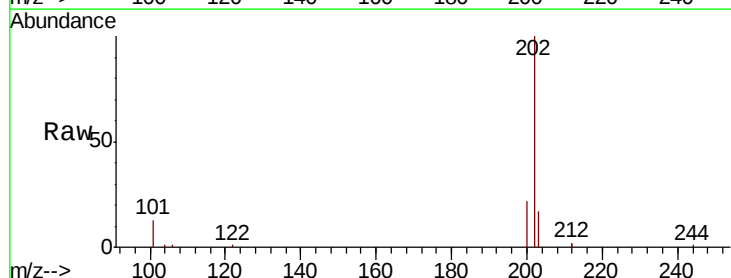
Tgt Ion:202 Resp: 9017

Ion Ratio Lower Upper

202 100

200 20.8 16.6 25.0

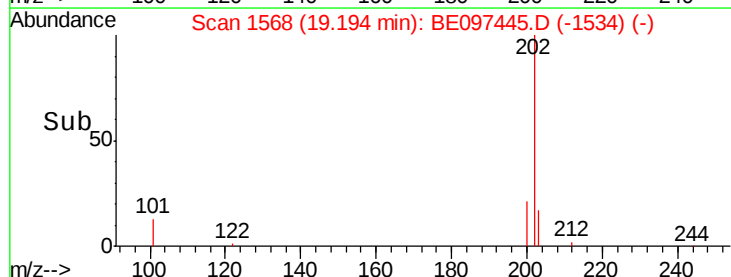
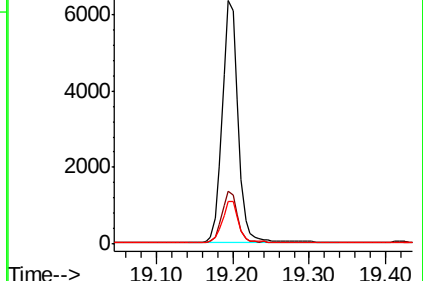
203 17.4 13.8 20.8

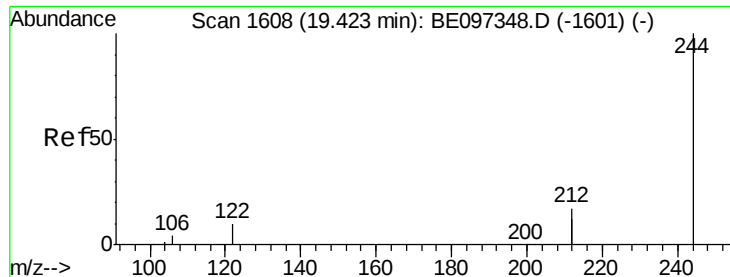


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.437 ng

RT: 19.42 min Scan# 1607

Delta R.T. -0.01 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

Instrument :

BNA_E

ClientSampleId :

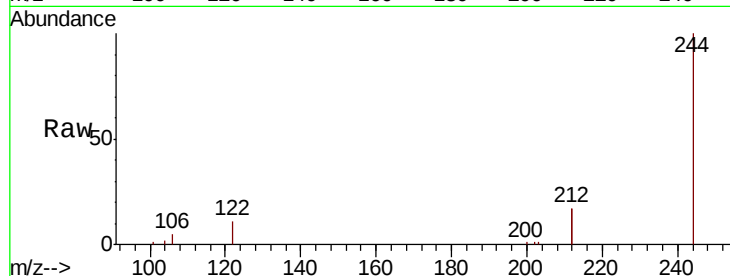
Tot Ion:244 Resp: 6498

Ion Ratio Lower Upper

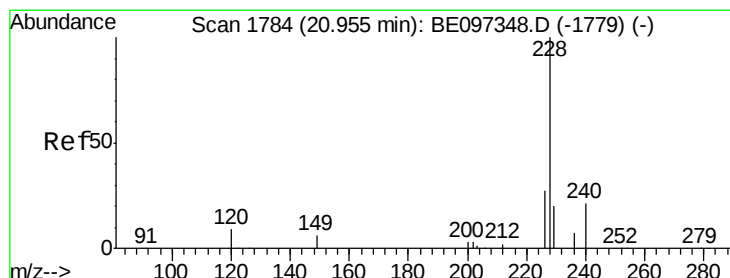
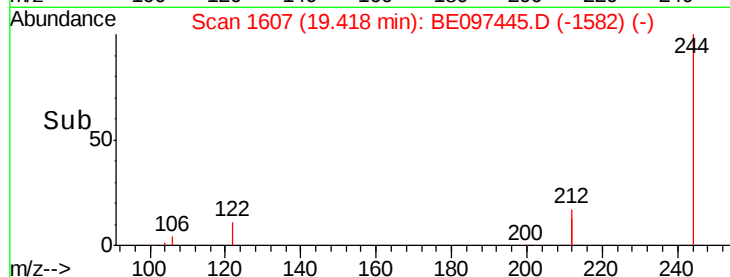
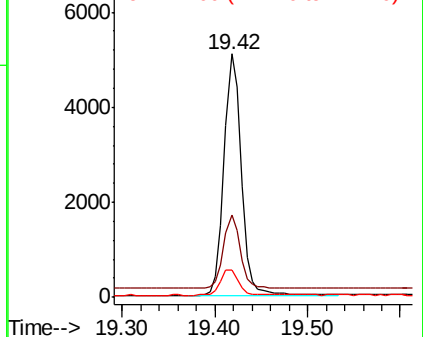
244 100

212 33.9 25.4 38.0

122 11.4 8.1 12.1



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.421 ng

RT: 20.95 min Scan# 1784

Delta R.T. -0.00 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

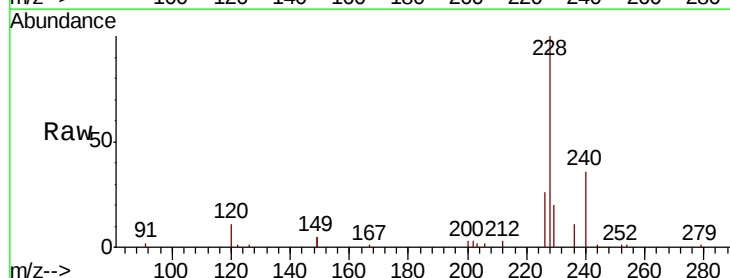
Tgt Ion:228 Resp: 8577

Ion Ratio Lower Upper

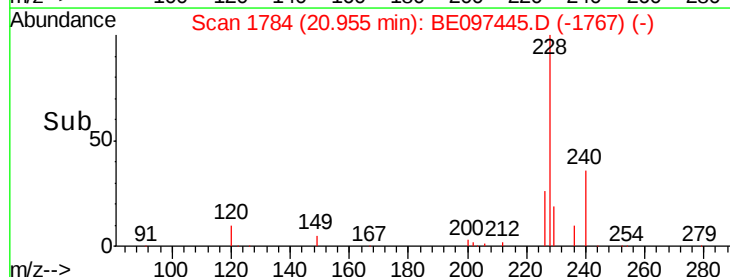
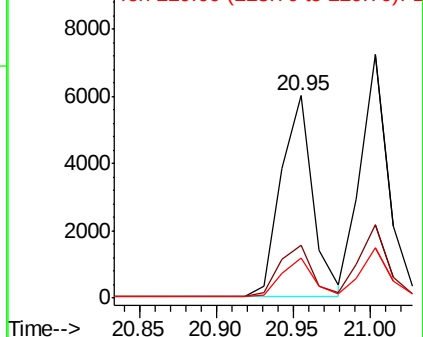
228 100

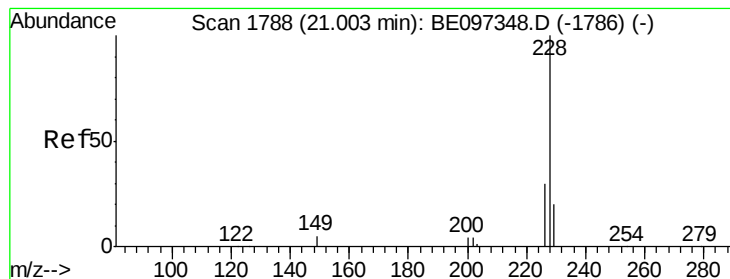
226 26.3 24.0 36.0

229 20.0 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: 0.414 ng

RT: 21.00 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

Instrument :

BNA_E

ClientSampled :

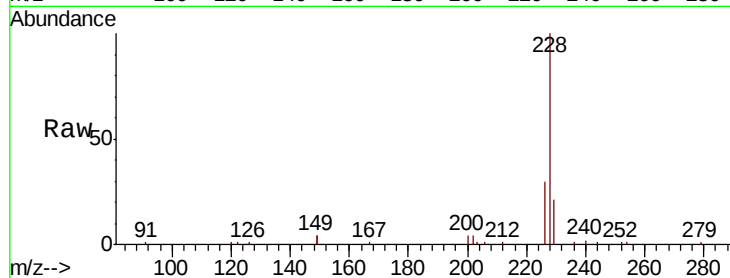
Tot Ion:228 Resp: 9092

Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

229 20.6 16.0 24.0

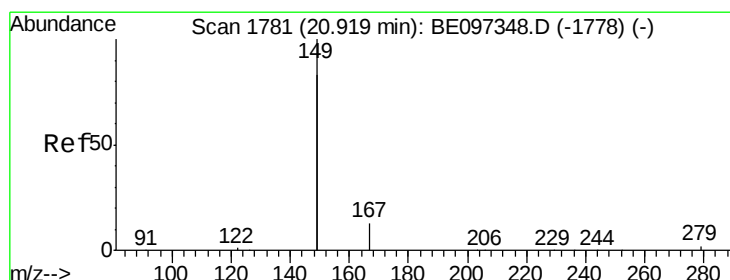
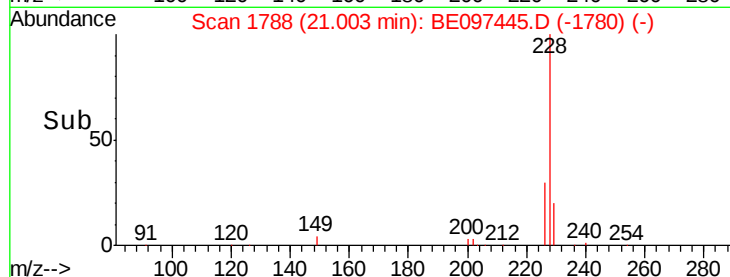
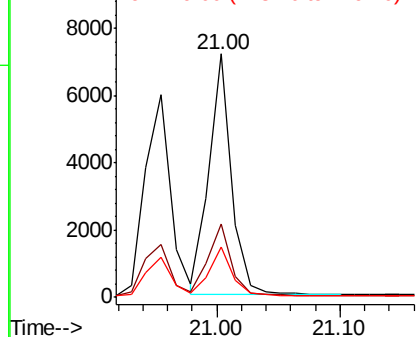


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.501 ng

RT: 20.91 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

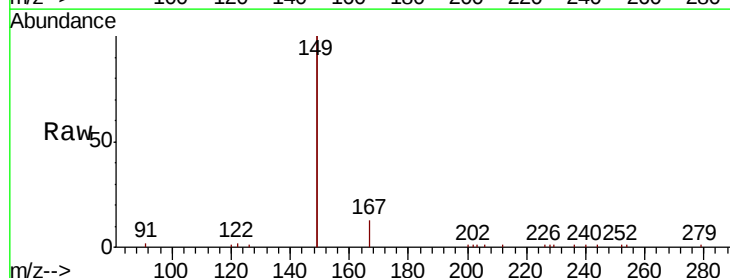
Tgt Ion:149 Resp: 12156

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

279 1.1 0.7 1.1

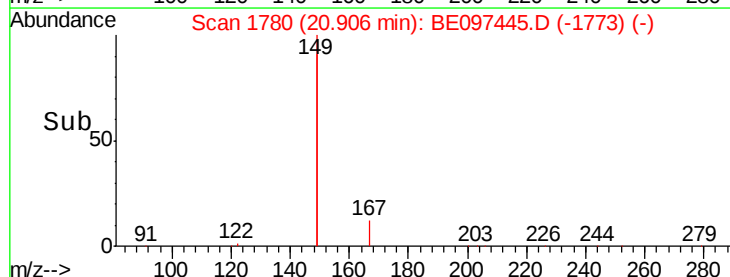
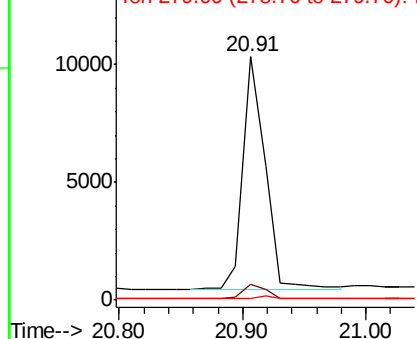


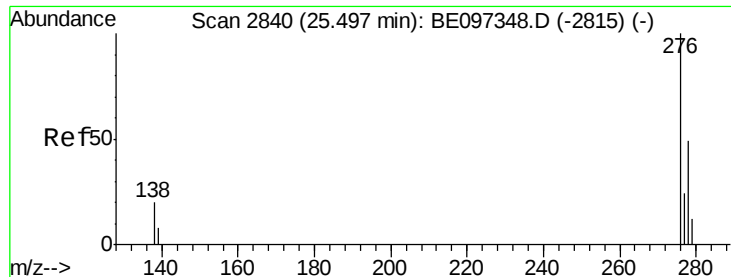
Abundance

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

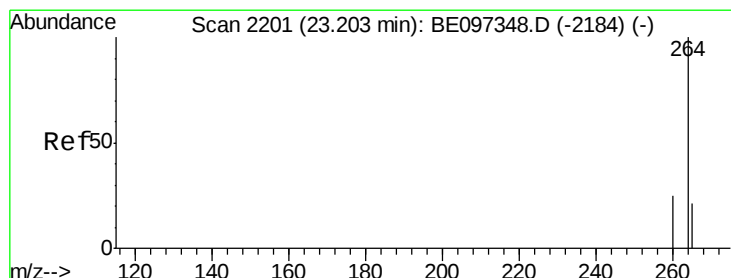
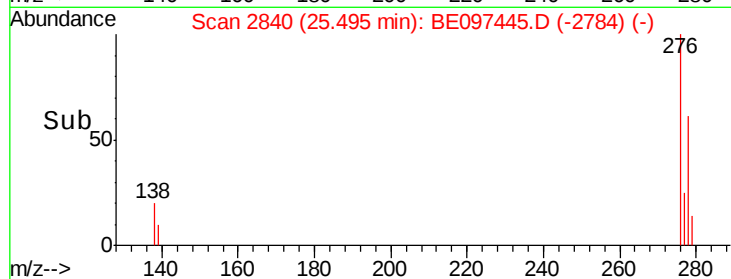
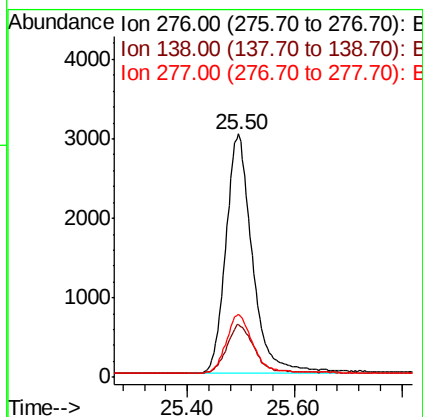
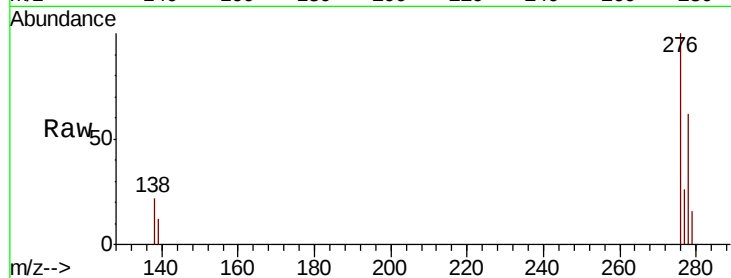




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.372 ng
 RT: 25.50 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: BE097445.D
 Acq: 10 Sep 2018 13:37

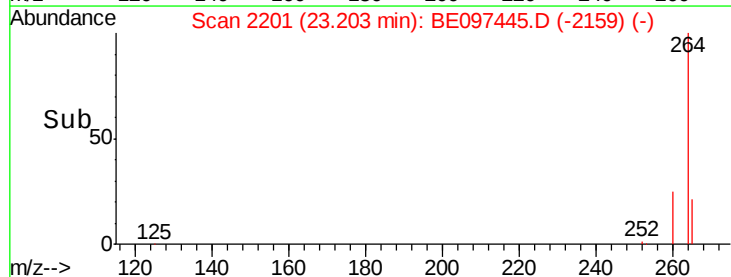
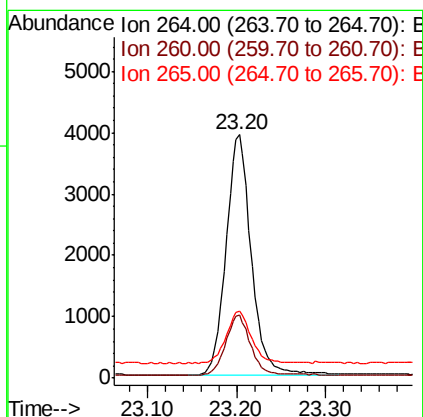
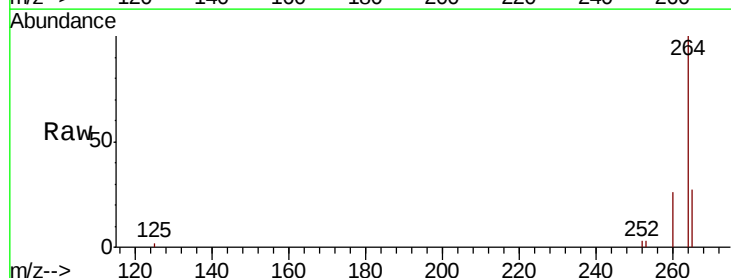
Instrument :
 BNA_E
 ClientSampleId :

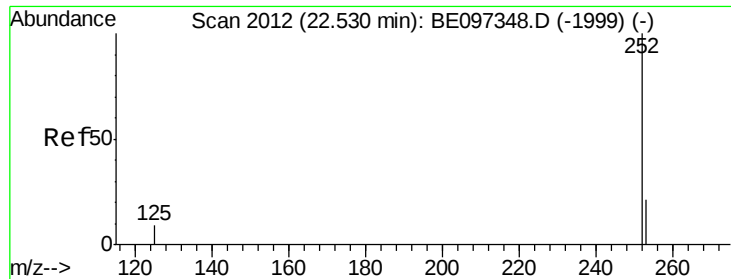
Tot Ion:276 Resp: 10371
 Ion Ratio Lower Upper
 276 100
 138 20.8 22.5 33.7#
 277 24.6 19.9 29.9



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.20 min Scan# 2201
 Delta R.T. -0.00 min
 Lab File: BE097445.D
 Acq: 10 Sep 2018 13:37

Tgt Ion:264 Resp: 7777
 Ion Ratio Lower Upper
 264 100
 260 25.8 20.5 30.7
 265 27.3 22.8 34.2

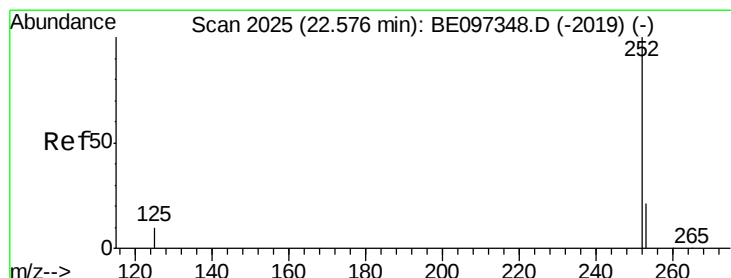
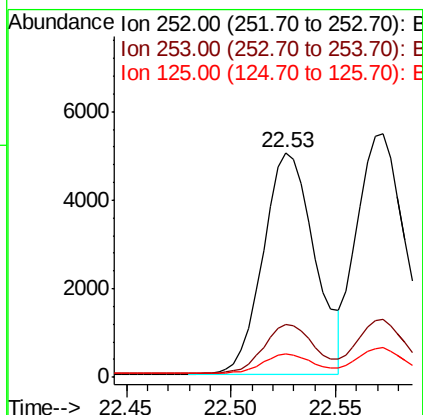
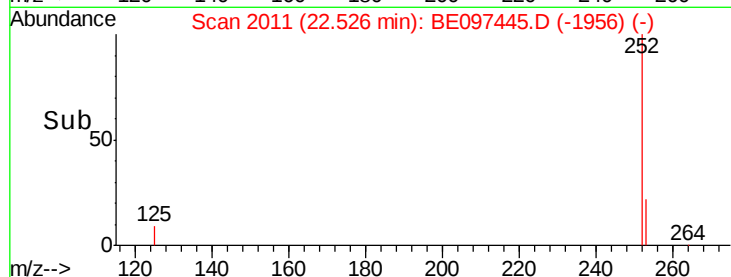
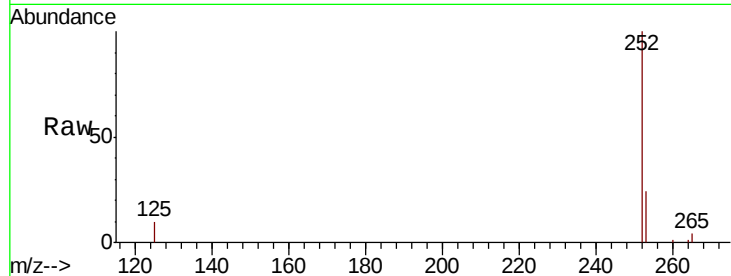




#35
Benzo(b)fluoranthene
Concen: 0.411 ng
RT: 22.53 min Scan# 2011
Delta R.T. -0.00 min
Lab File: BE097445.D
Acq: 10 Sep 2018 13:37

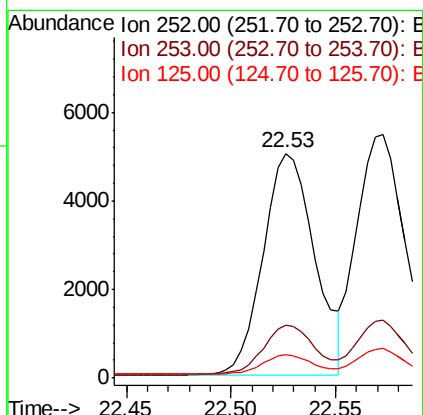
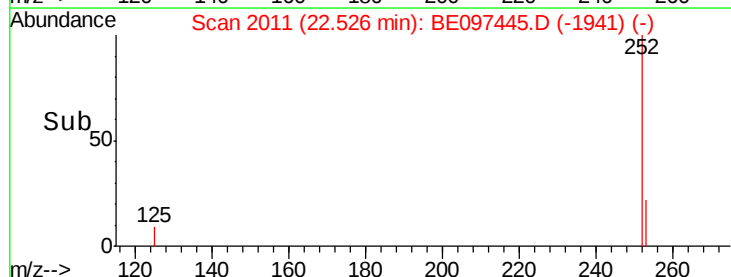
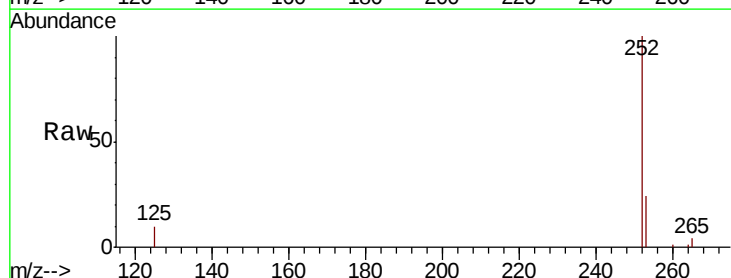
Instrument :
BNA_E
ClientSampleId :

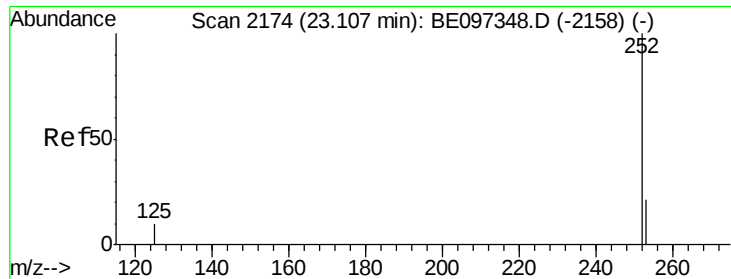
Tot Ion:252 Resp: 8572
Ion Ratio Lower Upper
252 100
253 23.8 20.0 30.0
125 10.3 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.373 ng
RT: 22.53 min Scan# 2011
Delta R.T. -0.05 min
Lab File: BE097445.D
Acq: 10 Sep 2018 13:37

Tgt Ion:252 Resp: 8572
Ion Ratio Lower Upper
252 100
253 23.8 16.0 24.0
125 10.3 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.403 ng

RT: 23.10 min Scan# 2173

Delta R.T. -0.00 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

Instrument :

BNA_E

ClientSampleId :

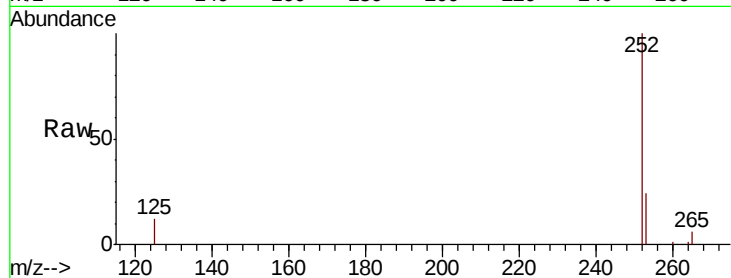
Tot Ion:252 Resp: 8090

Ion Ratio Lower Upper

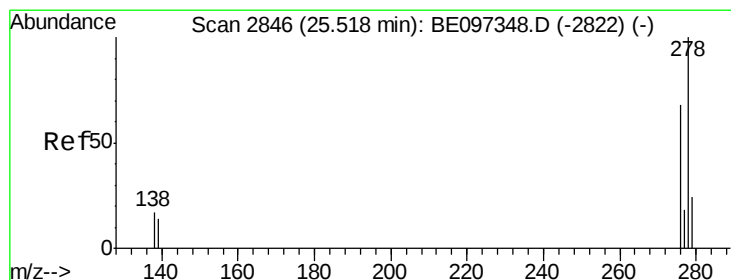
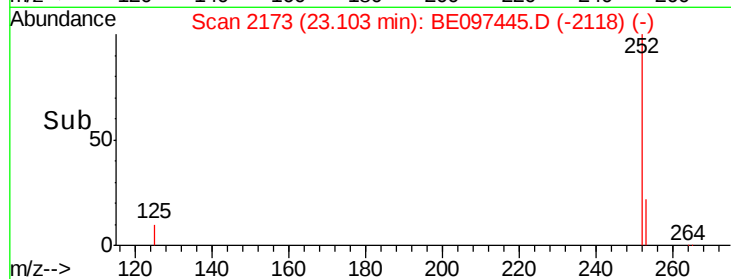
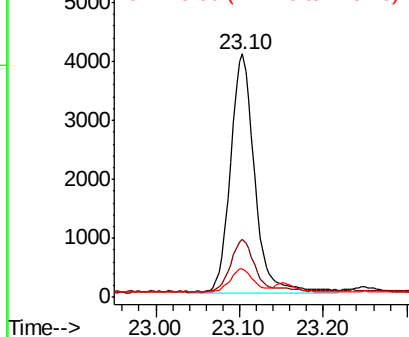
252 100

253 23.9 16.0 24.0

125 11.7 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: 0.363 ng

RT: 25.51 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

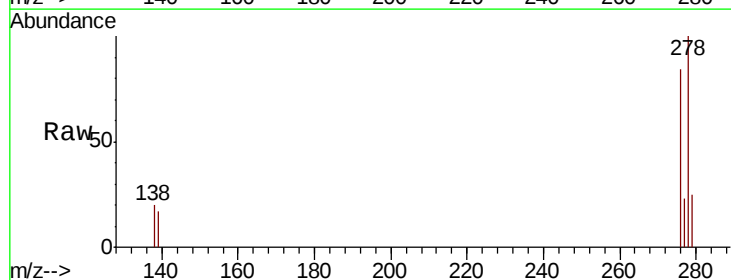
Tgt Ion:278 Resp: 8662

Ion Ratio Lower Upper

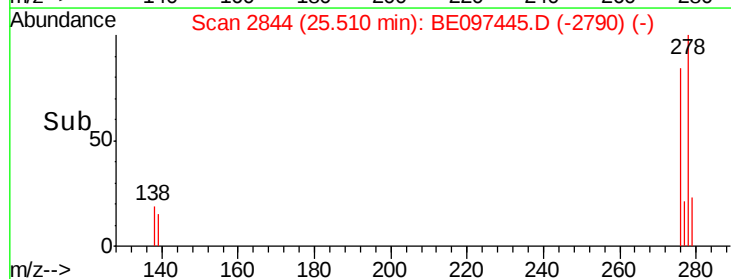
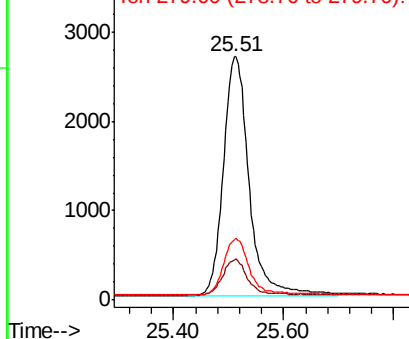
278 100

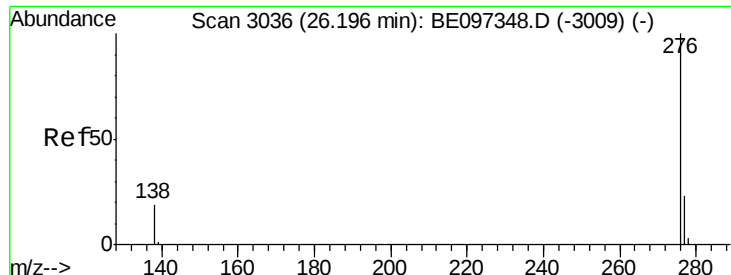
139 16.7 16.0 24.0

279 24.9 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: 0.341 ng

RT: 26.19 min Scan# 3036

Delta R.T. -0.00 min

Lab File: BE097445.D

Acq: 10 Sep 2018 13:37

Instrument :

BNA_E

ClientSampleId :

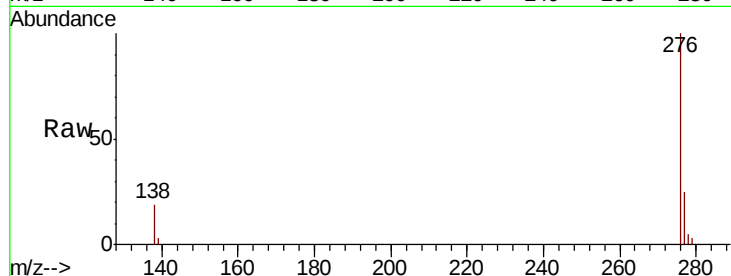
Tot Ion: 276 Resp: 8463

Ion Ratio Lower Upper

276 100

277 25.0 16.0 24.0#

138 19.5 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

