

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE100318\
 Data File : BE097710.D
 Acq On : 3 Oct 2018 10:54
 Operator : SJ/JU
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 03 13:42:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE100318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 03 12:17:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	5272	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	21536	0.40	ng	0.00
13) Acenaphthene-d10	14.56	164	12634	0.40	ng	0.00
19) Phenanthrene-d10	17.30	188	33405	0.40	ng	0.00
27) Chrysene-d12	21.49	240	47153	0.40	ng	0.00
34) Perylene-d12	24.04	264	38537	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.47	112	18705	1.50	ng	0.00
5) Phenol-d6	7.04	99	28610	1.50	ng	0.00
8) Nitrobenzene-d5	9.04	82	11065	1.58	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	54286	1.58	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	3884	1.70	ng	-0.01
15) 2-Fluorobiphenyl	13.19	172	80924	1.45	ng	0.00
25) Fluoranthene-d10	19.33	212	697826	1.65	ng	0.00
29) Terphenyl-d14	19.94	244	145774	1.51	ng	0.00

Target Compounds

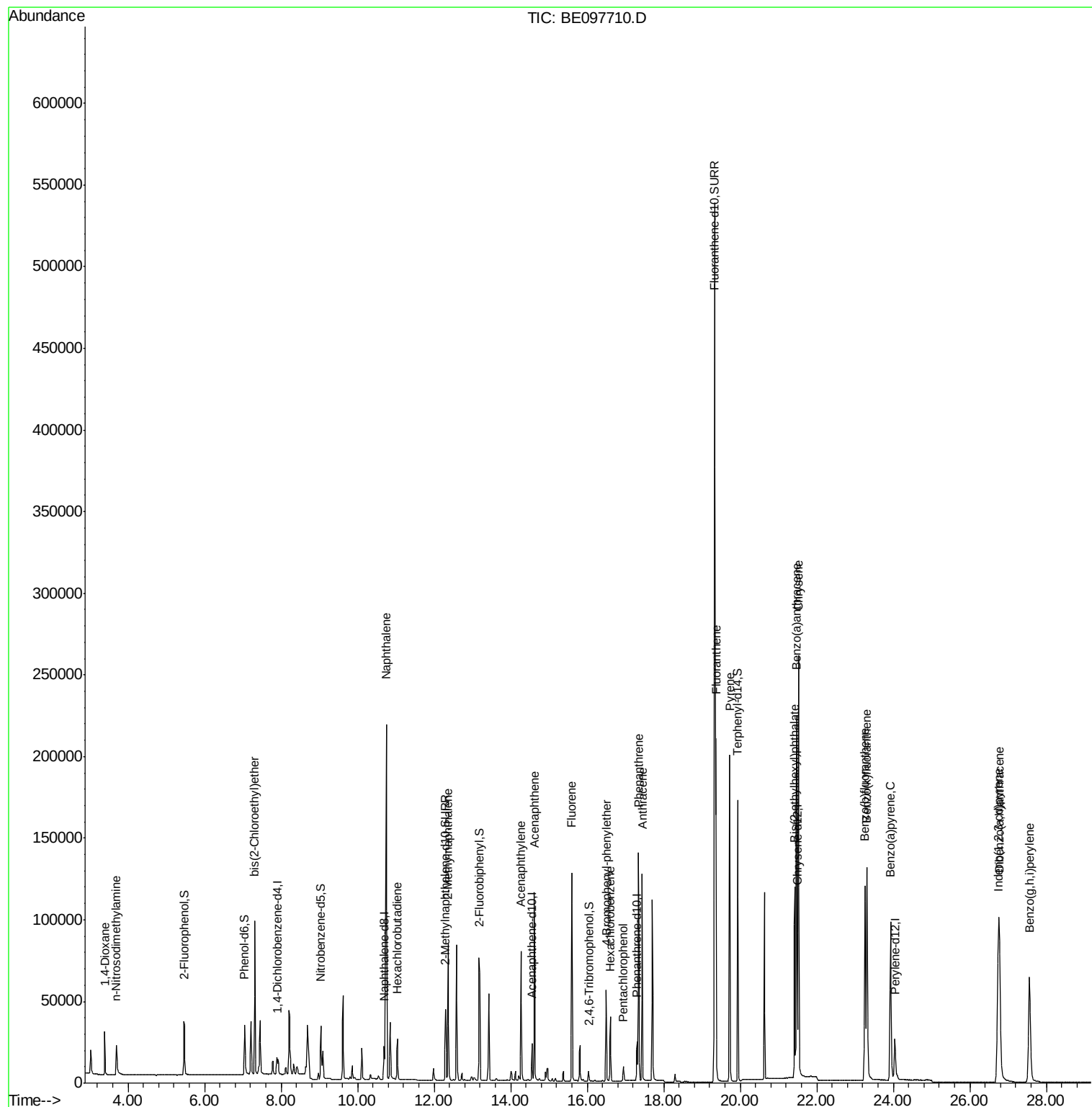
					Qvalue
2) 1,4-Dioxane	3.39	88	15230	1.450 ng	97
3) n-Nitrosodimethylamine	3.69	42	14886	1.558 ng	# 87
6) bis(2-Chloroethyl)ether	7.31	93	30242	1.529 ng	100
9) Naphthalene	10.74	128	337404	1.555 ng	100
10) Hexachlorobutadiene	11.04	225	17633	1.531 ng	98
12) 2-Methylnaphthalene	12.37	142	56371	1.623 ng	97
16) Acenaphthylene	14.27	152	90043	1.609 ng	99
17) Acenaphthene	14.61	154	57306	1.599 ng	97
18) Fluorene	15.59	166	77497	1.629 ng	100
20) 4-Bromophenyl-phenylether	16.50	248	29026	1.657 ng	95
21) Hexachlorobenzene	16.60	284	31614	1.604 ng	98
22) Pentachlorophenol	16.94	266	5603	1.812 ng	94
23) Phenanthrene	17.34	178	139111	1.616 ng	100
24) Anthracene	17.43	178	125454	1.688 ng	100
26) Fluoranthene	19.36	202	184480	1.682 ng	100
28) Pyrene	19.72	202	186081	1.553 ng	100
30) Benzo(a)anthracene	21.47	228	201994	1.593 ng	99
31) Chrysene	21.52	228	219858	1.551 ng	99
32) Bis(2-ethylhexyl)phthalate	21.43	149	159697	1.722 ng	100
33) Indeno(1,2,3-cd)pyrene	26.74	276	193391	1.571 ng	98
35) Benzo(b)fluoranthene	23.26	252	177503	1.678 ng	98
36) Benzo(k)fluoranthene	23.31	252	201280	1.717 ng	99
37) Benzo(a)pyrene	23.93	252	162748	1.700 ng	99
38) Dibenzo(a,h)anthracene	26.77	278	165030	1.750 ng	99
39) Benzo(g,h,i)perylene	27.56	276	166512	1.687 ng	99

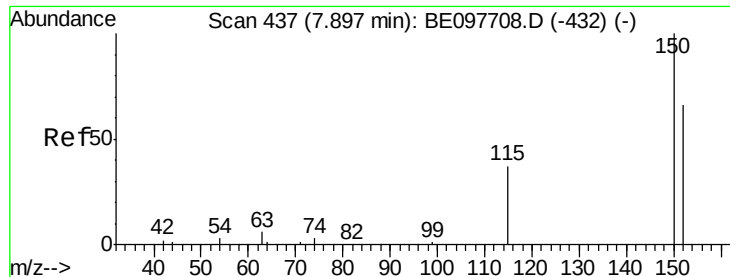
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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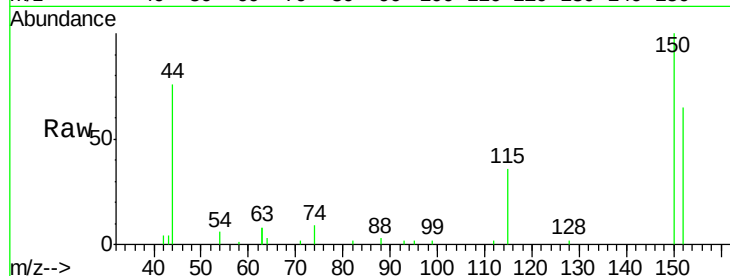


#1

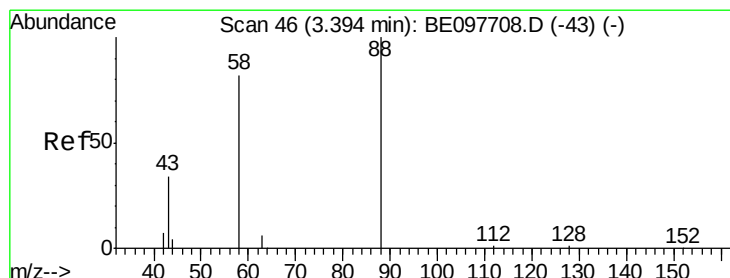
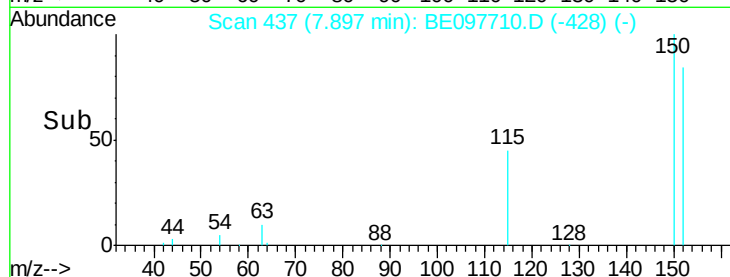
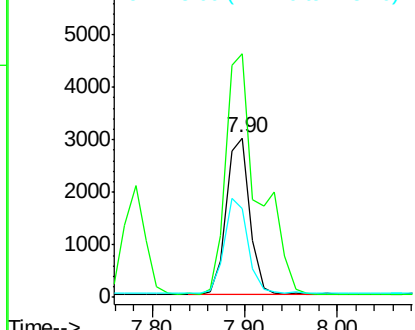
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 437
Delta R.T. -0.00 min
Lab File: BE097710.D
Acq: 3 Oct 2018 10:54

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 5272
Ion Ratio Lower Upper
152 100
150 152.7 120.9 181.3
115 55.5 46.6 69.8



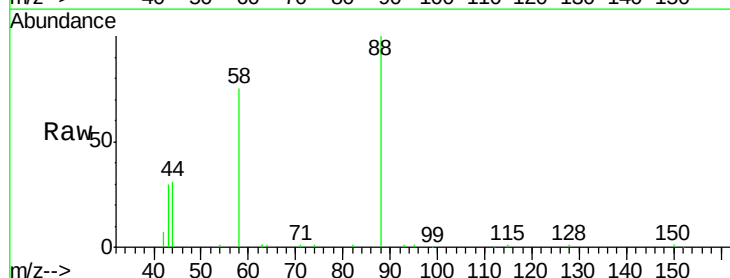
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



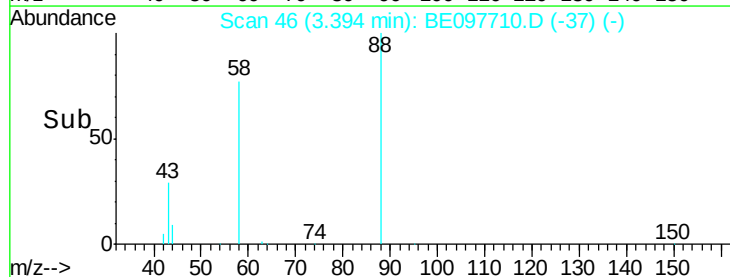
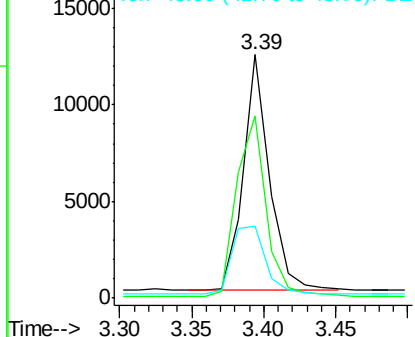
#2

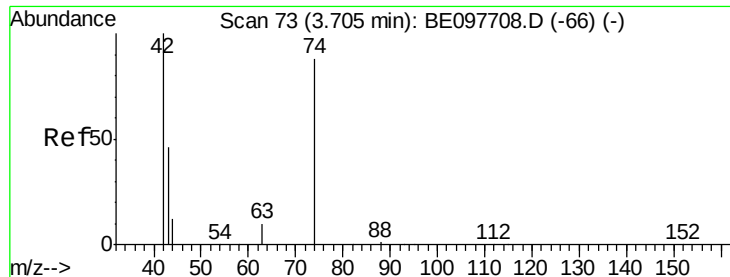
1,4-Dioxane
Concen: 1.450 ng
RT: 3.39 min Scan# 46
Delta R.T. -0.00 min
Lab File: BE097710.D
Acq: 3 Oct 2018 10:54

Tgt Ion: 88 Resp: 15230
Ion Ratio Lower Upper
88 100
58 87.4 70.8 106.2
43 36.5 33.3 49.9



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: 1.558 ng

RT: 3.69 min Scan# 72

Delta R.T. -0.01 min

Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

Instrument :

BNA_E

ClientSampled :

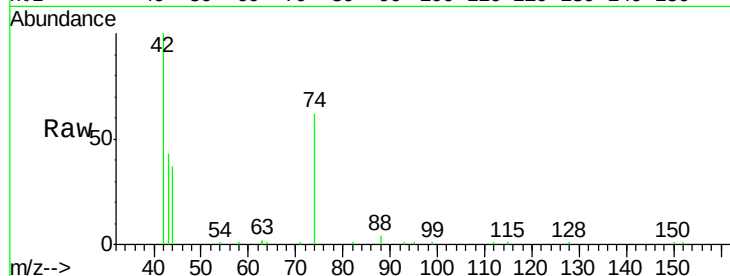
Tgt Ion: 42 Resp: 14886

Ion Ratio Lower Upper

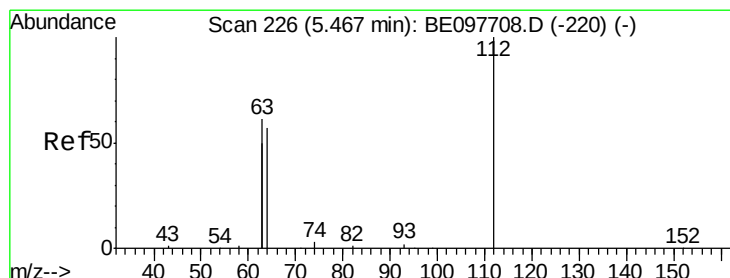
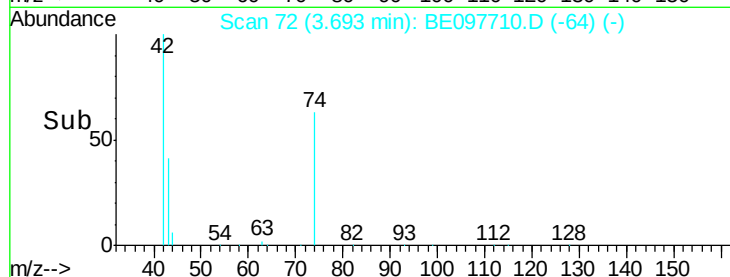
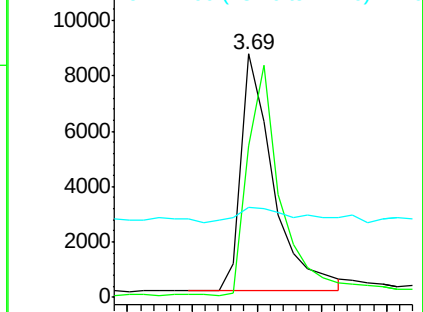
42 100

74 99.4 70.7 106.1

44 10.5 15.0 22.4#



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: 1.500 ng

RT: 5.47 min Scan# 226

Delta R.T. -0.00 min

Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

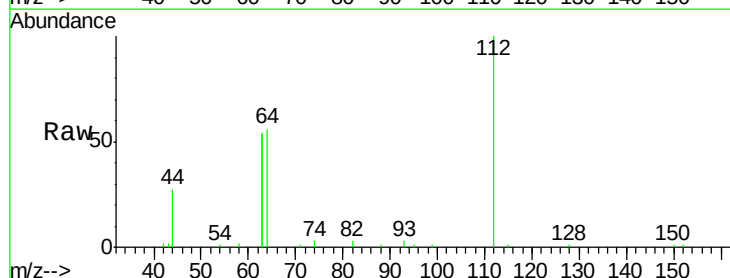
Tgt Ion: 112 Resp: 18705

Ion Ratio Lower Upper

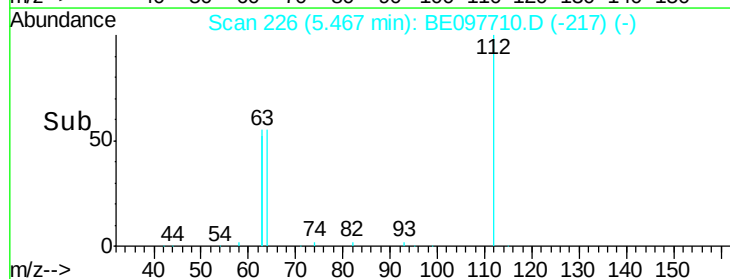
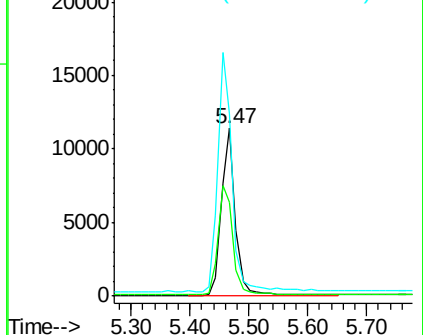
112 100

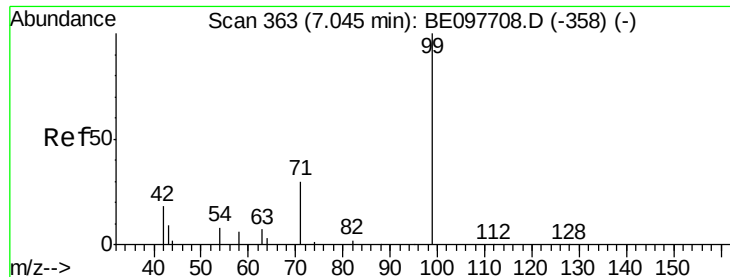
64 69.4 56.6 84.8

63 144.4 119.4 179.0



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: 1.497 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

Instrument :

BNA_E

ClientSampleId :

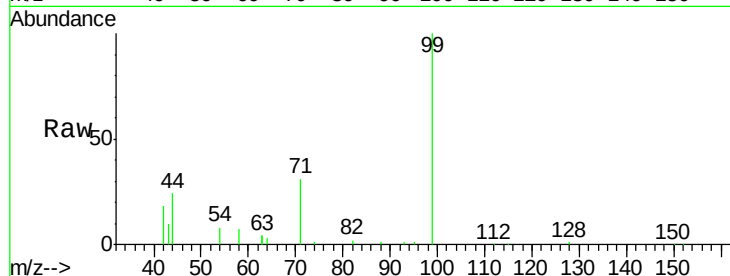
Tgt Ion: 99 Resp: 28610

Ion Ratio Lower Upper

99 100

42 24.3 19.9 29.9

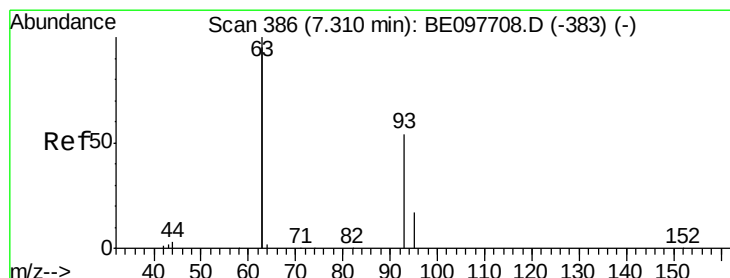
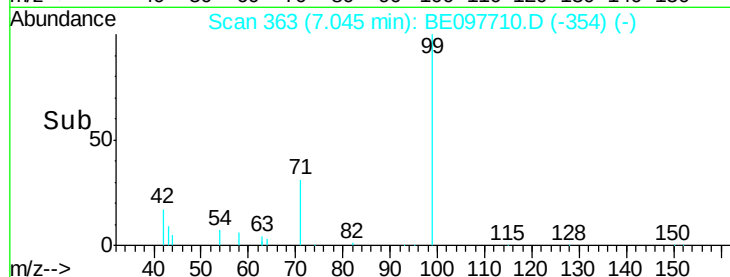
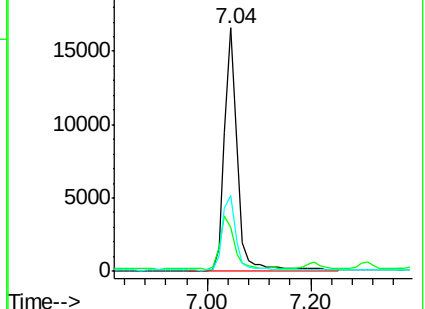
71 32.7 25.4 38.2



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: 1.529 ng

RT: 7.31 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

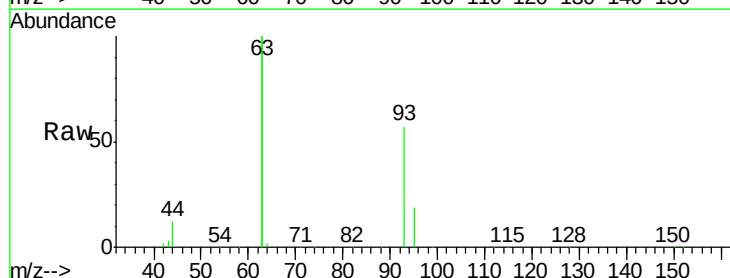
Tgt Ion: 93 Resp: 30242

Ion Ratio Lower Upper

93 100

63 333.2 266.9 400.3

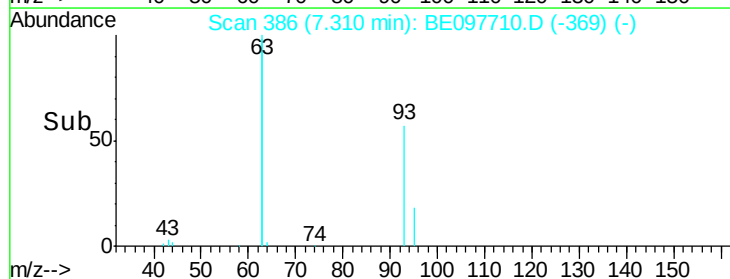
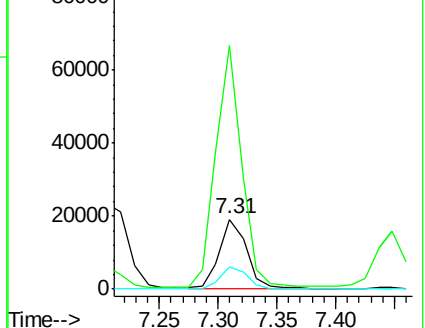
95 31.8 26.2 39.2

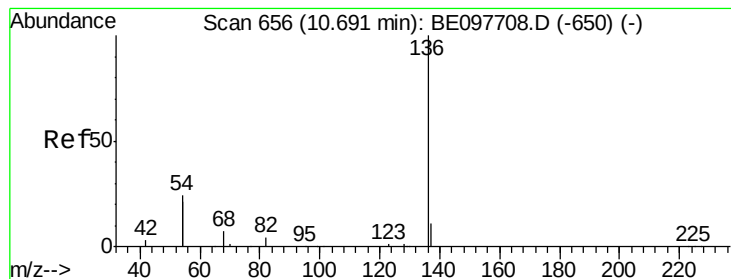


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.69 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

Instrument :

BNA_E

ClientSampleId :

Tgt Ion: 136 Resp: 21536

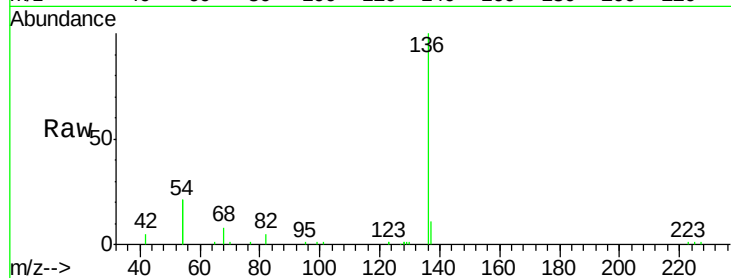
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 41.7 37.8 56.6

68 7.8 6.4 9.6

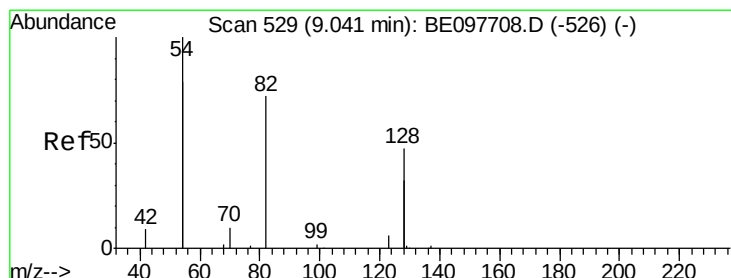
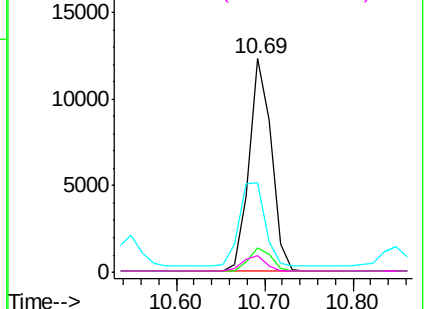
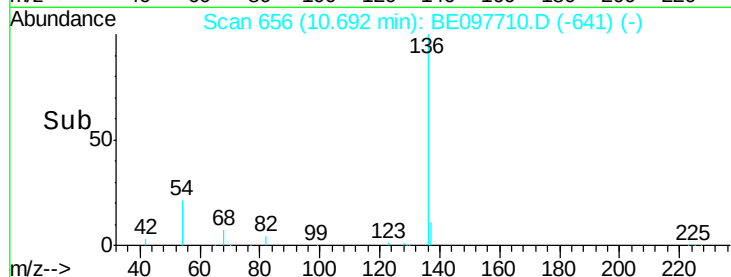


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.583 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.00 min

Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

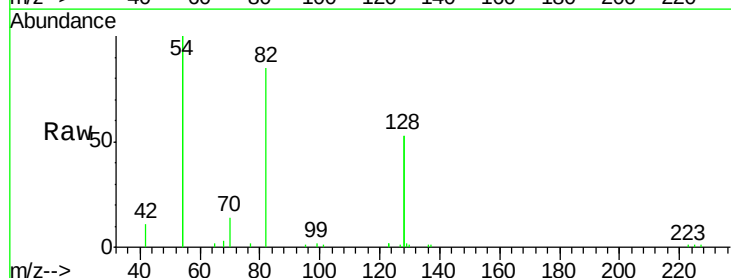
Tgt Ion: 82 Resp: 11065

Ion Ratio Lower Upper

82 100

128 124.6 97.0 145.4

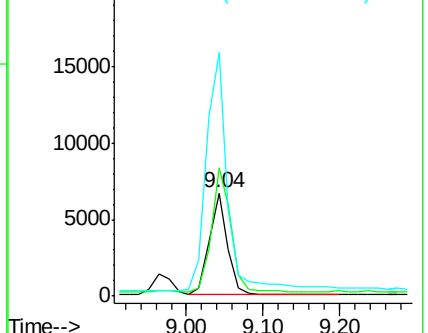
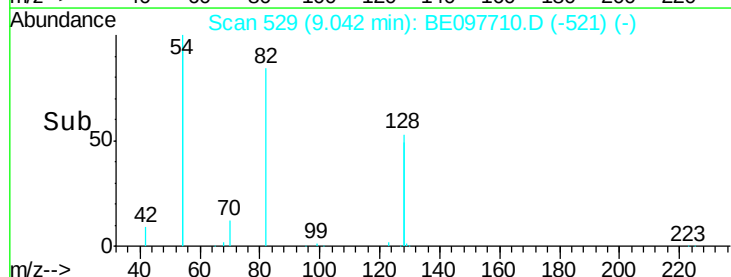
54 235.4 206.9 310.3

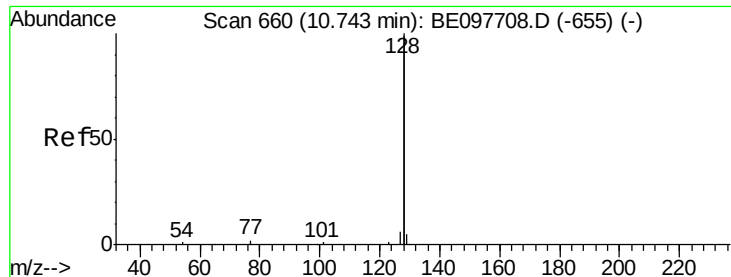


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 1.555 ng

RT: 10.74 min Scan# 660

Delta R.T. 0.00 min

Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

Instrument :

BNA_E

ClientSampleId :

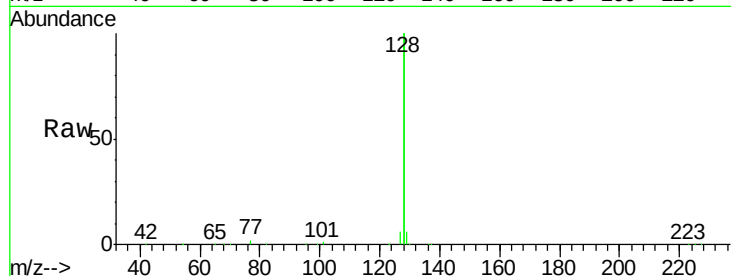
Tgt Ion:128 Resp: 337404

Ion Ratio Lower Upper

128 100

129 2.8 2.2 3.2

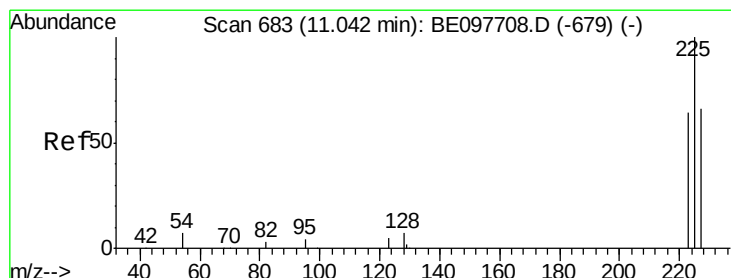
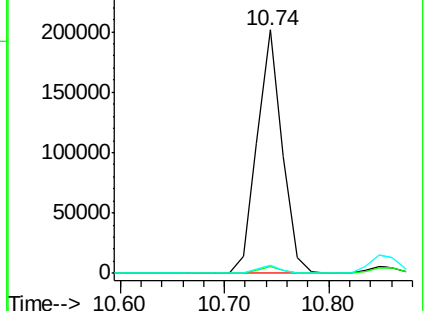
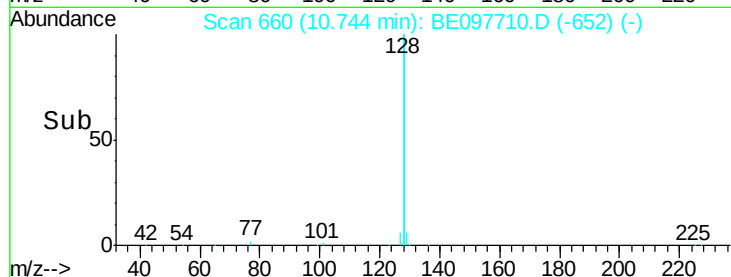
127 3.2 2.7 4.1



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: 1.531 ng

RT: 11.04 min Scan# 683

Delta R.T. 0.00 min

Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

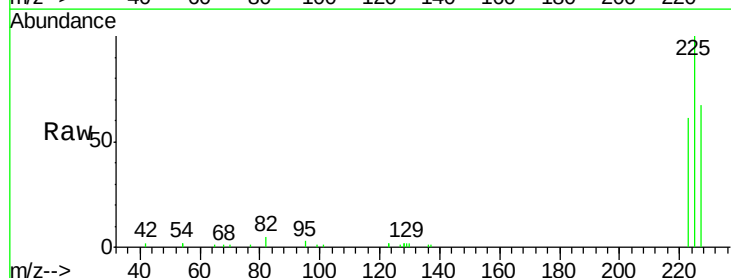
Tgt Ion:225 Resp: 17633

Ion Ratio Lower Upper

225 100

223 62.8 52.2 78.4

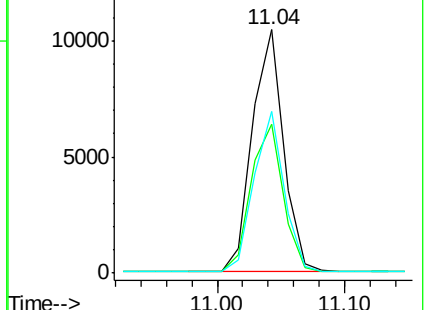
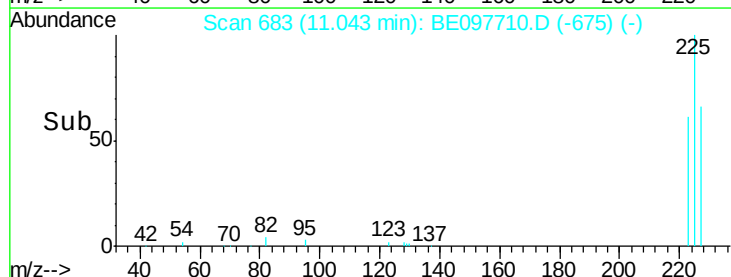
227 64.0 51.2 76.8

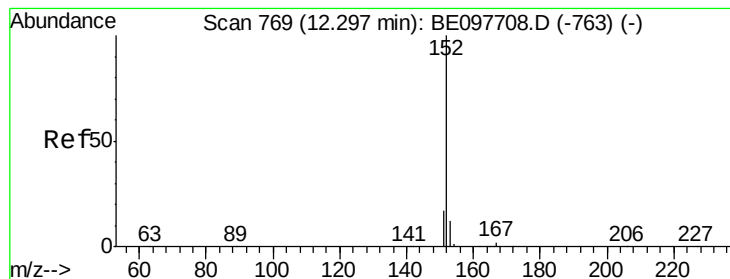


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 1.584 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

Instrument :

BNA_E

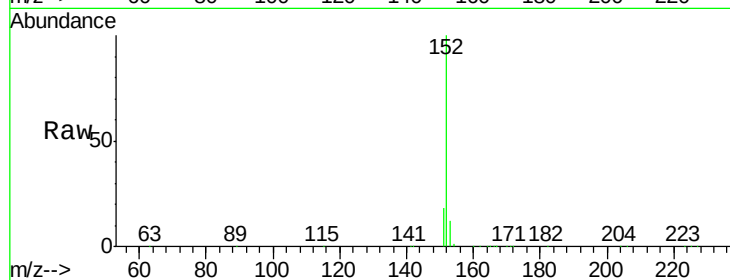
ClientSampleId :

Tgt Ion:152 Resp: 54286

Ion Ratio Lower Upper

152 100

151 19.0 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.30

40000

30000

20000

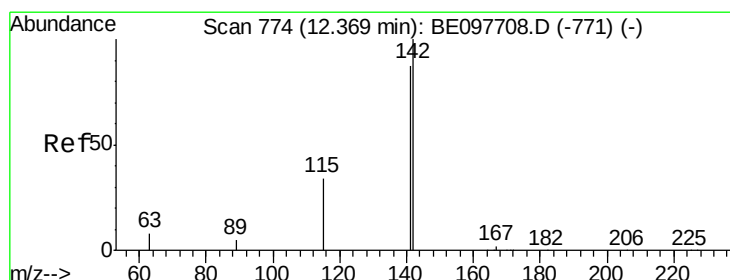
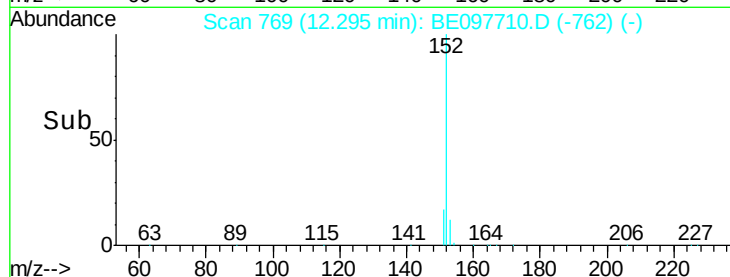
10000

0

Time-->

12.20

12.40



#12

2-Methylnaphthalene

Concen: 1.623 ng

RT: 12.37 min Scan# 774

Delta R.T. -0.00 min

Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

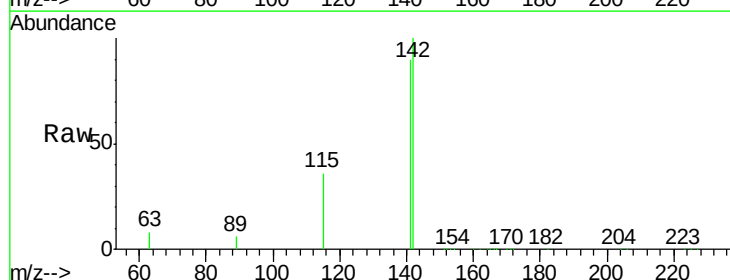
Tgt Ion:142 Resp: 56371

Ion Ratio Lower Upper

142 100

141 89.7 69.4 104.2

115 35.9 28.0 42.0



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

12.37

40000

30000

20000

10000

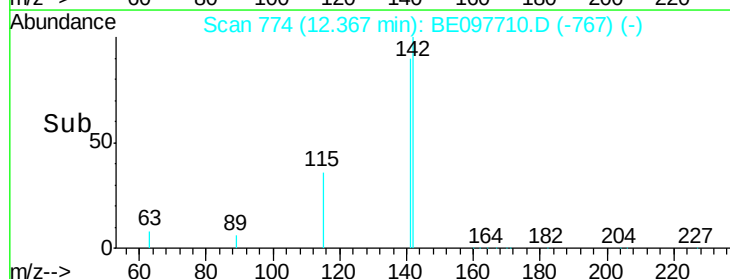
0

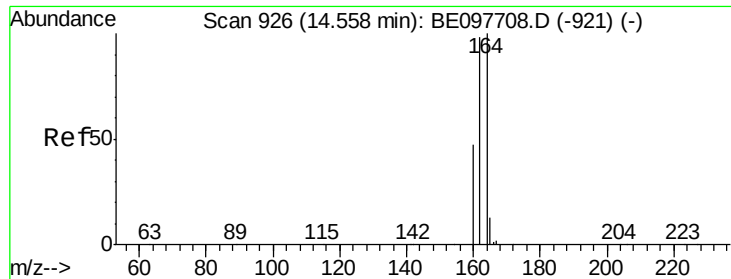
Time-->

12.30

12.35

12.40

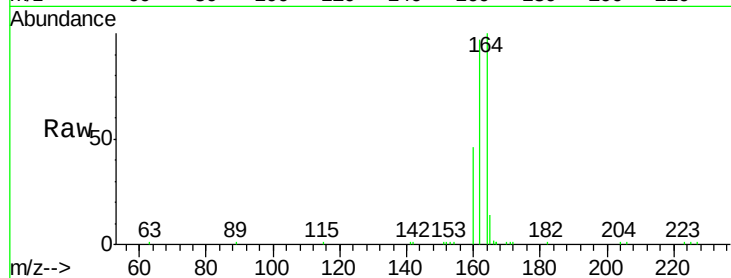




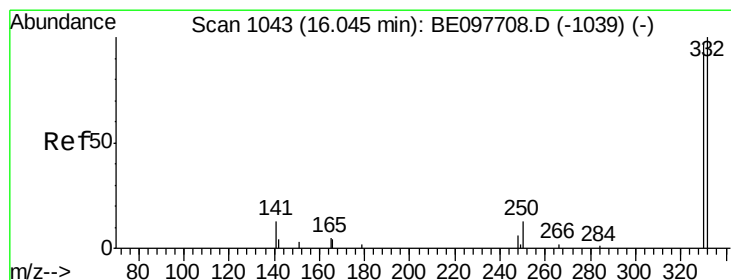
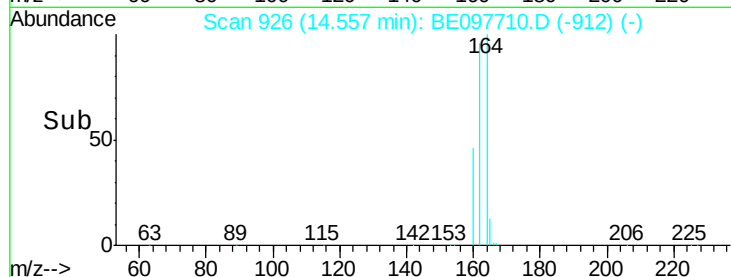
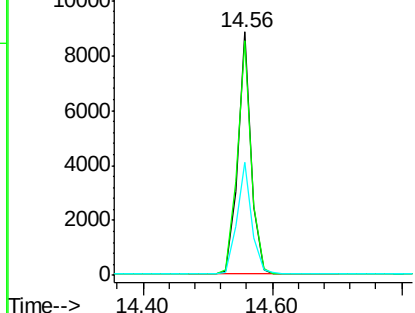
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE097710.D
Acq: 3 Oct 2018 10:54

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 12634
Ion Ratio Lower Upper
164 100
162 96.6 78.6 117.8
160 46.3 37.8 56.6

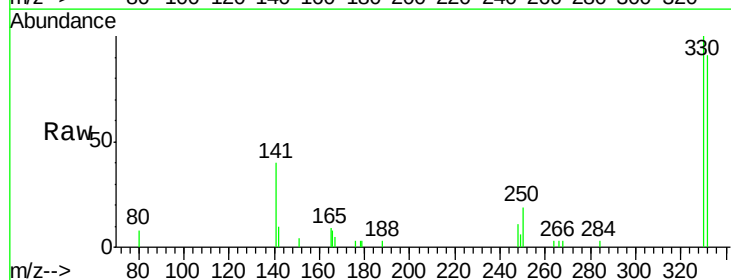


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

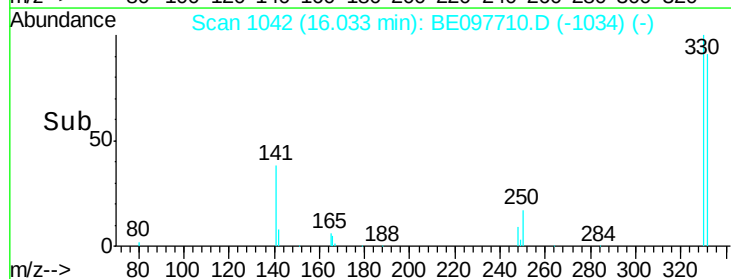
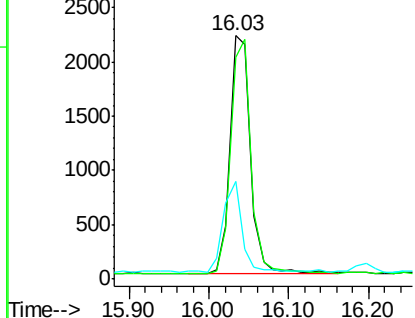


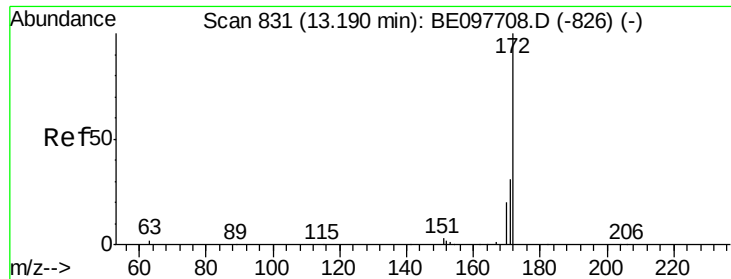
#14
2,4,6-Tribromophenol
Concen: 1.696 ng
RT: 16.03 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BE097710.D
Acq: 3 Oct 2018 10:54

Tgt Ion:330 Resp: 3884
Ion Ratio Lower Upper
330 100
332 98.3 83.5 125.3
141 33.4 34.9 52.3#



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

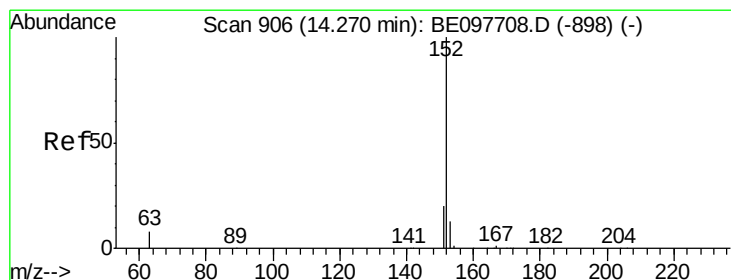
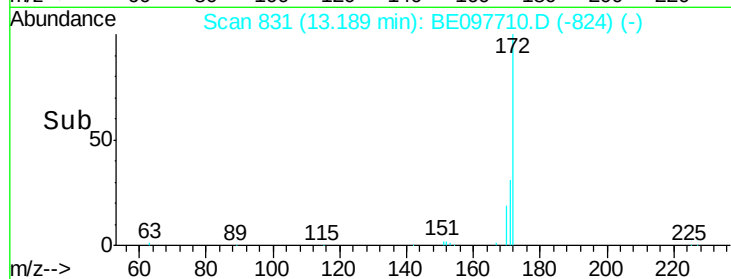
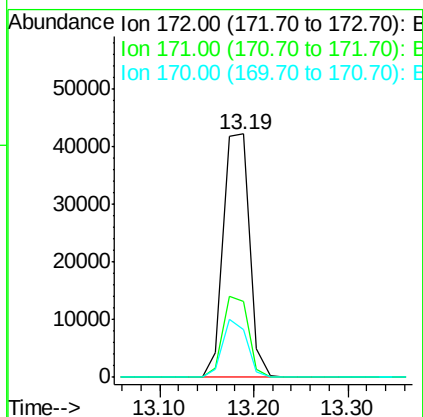
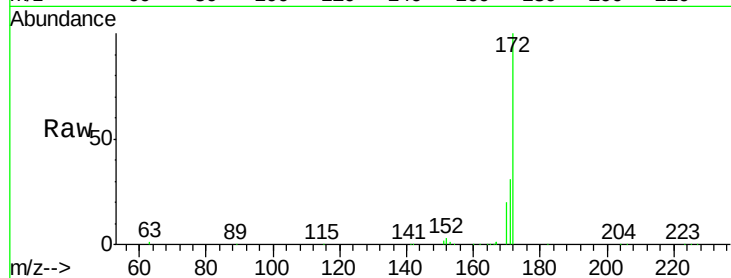




#15
2-Fluorobiphenyl
Concen: 1.455 ng
RT: 13.19 min Scan# 831
Delta R.T. -0.00 min
Lab File: BE097710.D
Acq: 3 Oct 2018 10:54

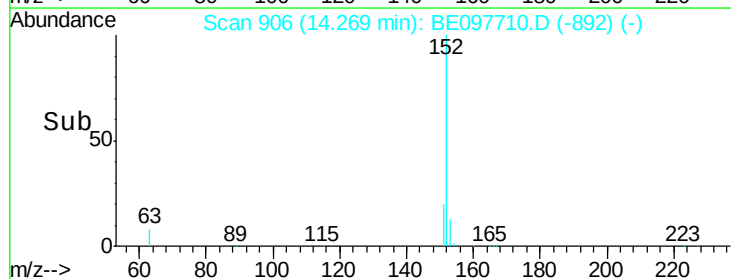
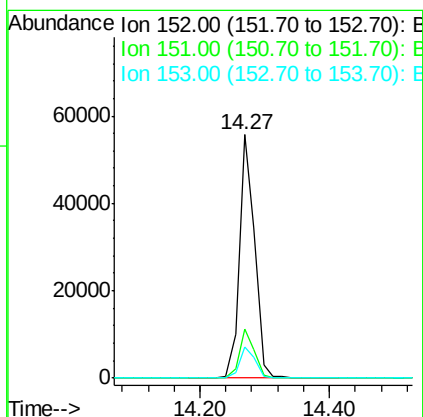
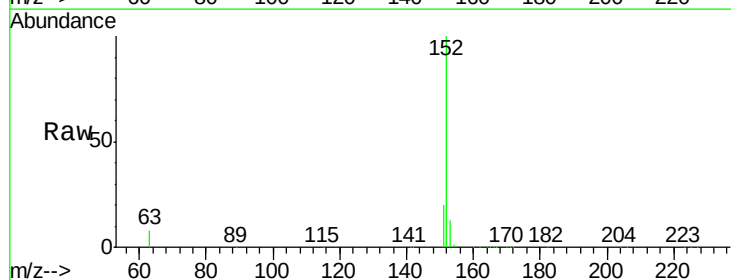
Instrument :
BNA_E
ClientSampleId :

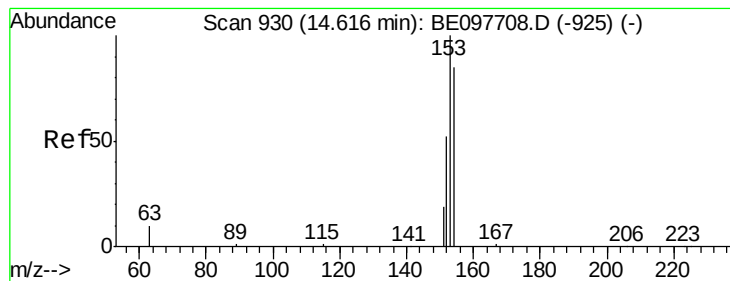
Tgt Ion:172 Resp: 80924
Ion Ratio Lower Upper
172 100
171 31.2 25.2 37.8
170 19.6 16.2 24.2



#16
Acenaphthylene
Concen: 1.609 ng
RT: 14.27 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097710.D
Acq: 3 Oct 2018 10:54

Tgt Ion:152 Resp: 90043
Ion Ratio Lower Upper
152 100
151 19.8 15.3 22.9
153 13.1 10.8 16.2





#17

Acenaphthene

Concen: 1.599 ng

RT: 14.61 min Scan# 930

Delta R.T. -0.00 min

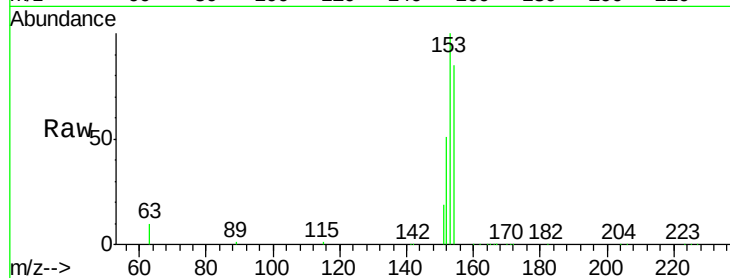
Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

Instrument :

BNA_E

ClientSampled :



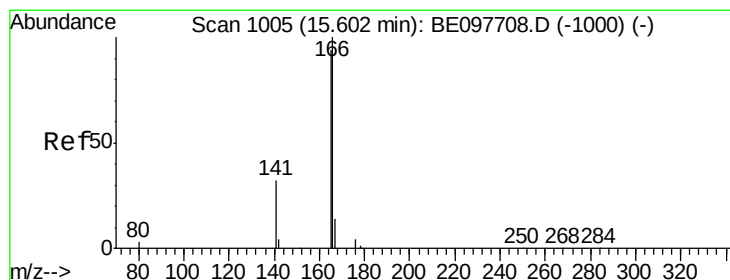
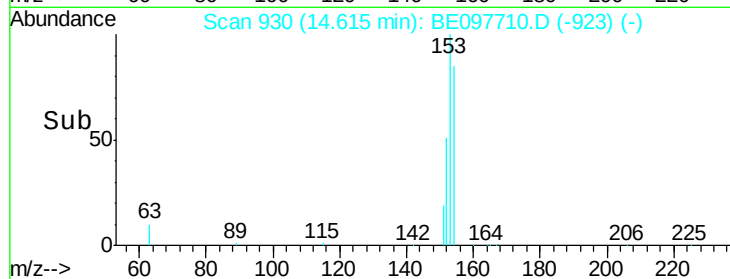
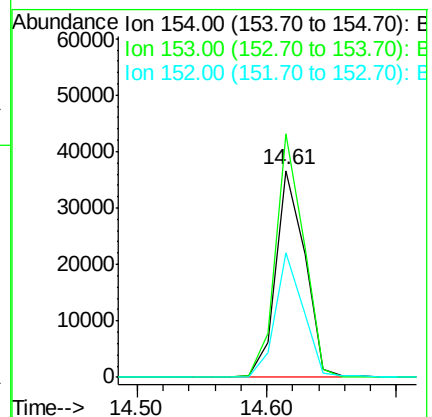
Tgt Ion:154 Resp: 57306

Ion Ratio Lower Upper

154 100

153 113.8 93.3 139.9

152 57.9 48.9 73.3



#18

Fluorene

Concen: 1.629 ng

RT: 15.59 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

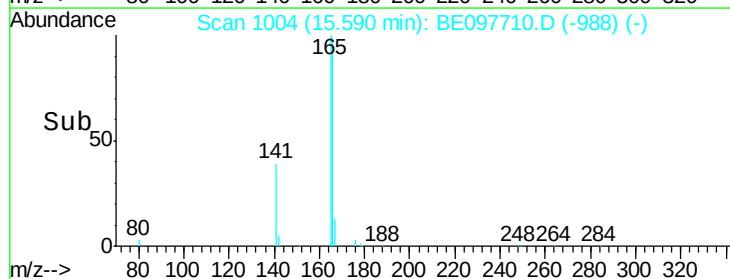
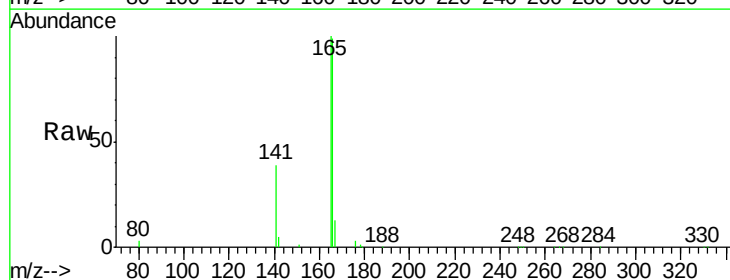
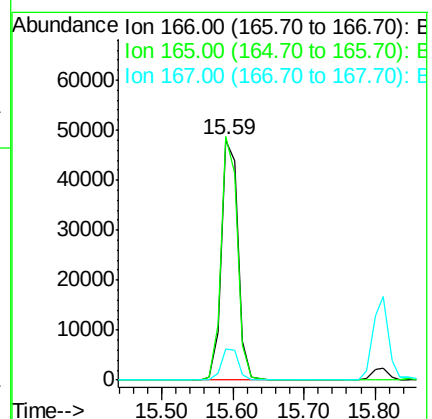
Tgt Ion:166 Resp: 77497

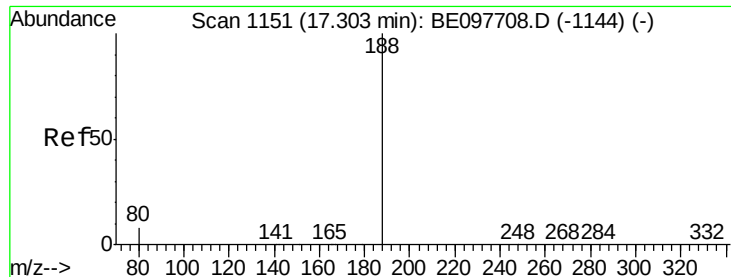
Ion Ratio Lower Upper

166 100

165 98.9 79.0 118.4

167 13.4 11.1 16.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.30 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

Instrument :

BNA_E

ClientSampleId :

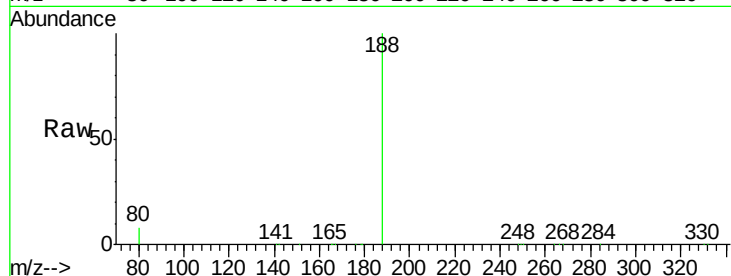
Tgt Ion:188 Resp: 33405

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

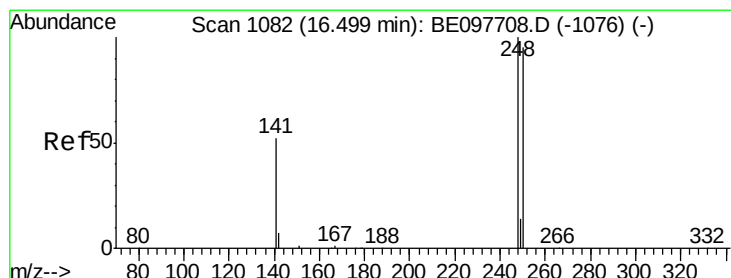
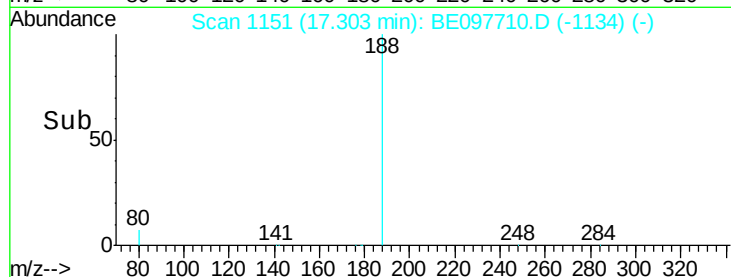
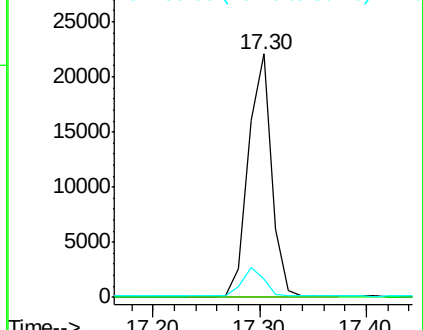
80 7.6 6.6 9.8



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: 1.657 ng

RT: 16.50 min Scan# 1082

Delta R.T. 0.00 min

Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

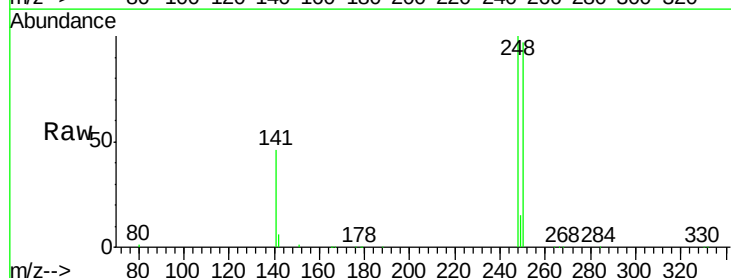
Tgt Ion:248 Resp: 29026

Ion Ratio Lower Upper

248 100

250 97.4 76.1 114.1

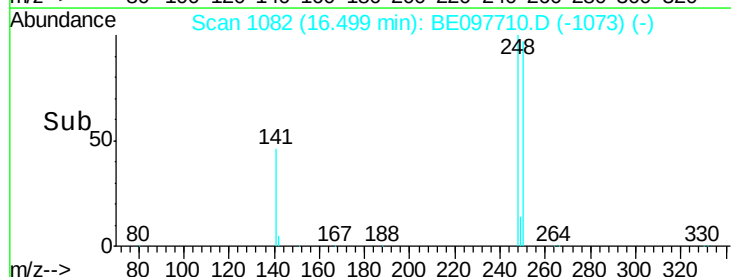
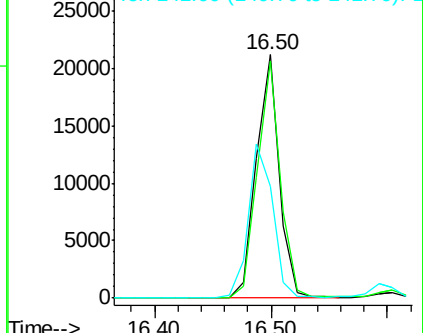
141 45.8 42.2 63.4

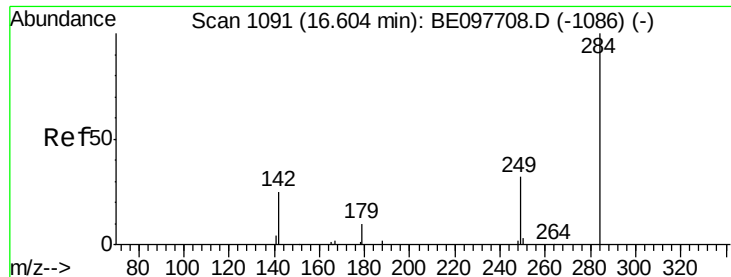


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

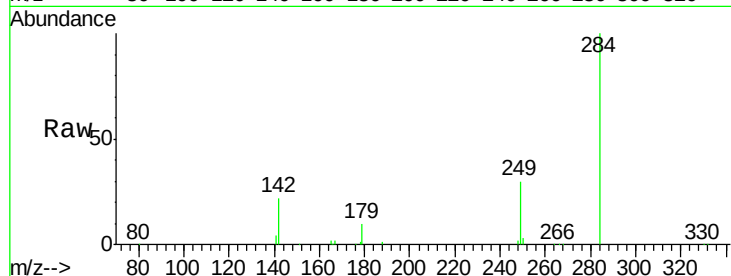




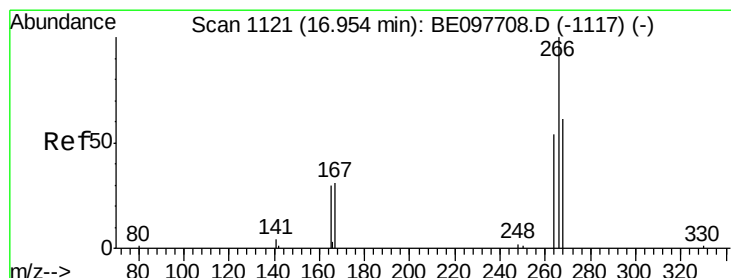
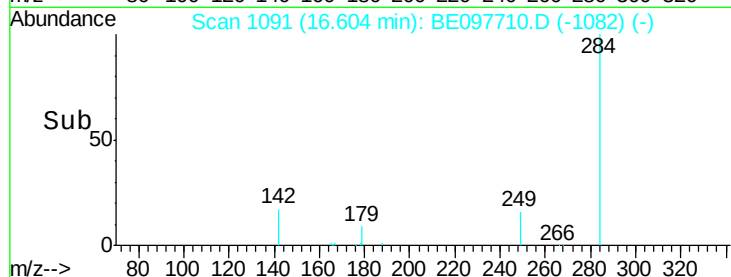
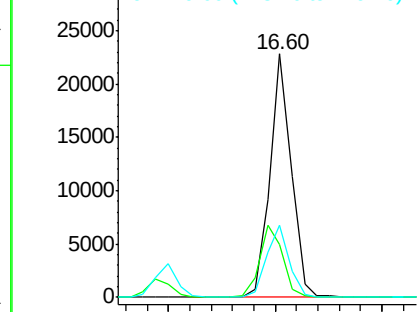
#21
Hexachlorobenzene
Concen: 1.604 ng
RT: 16.60 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE097710.D
Acq: 3 Oct 2018 10:54

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 31614
Ion Ratio Lower Upper
284 100
142 31.8 24.9 37.3
249 31.1 25.8 38.8

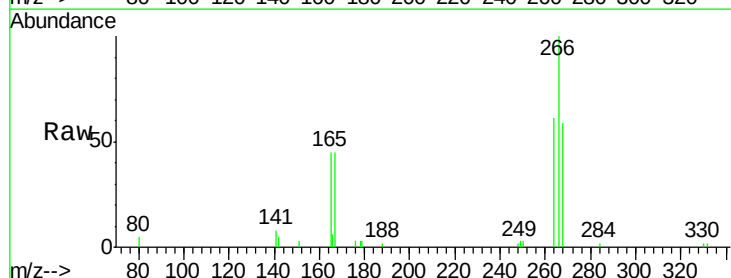


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

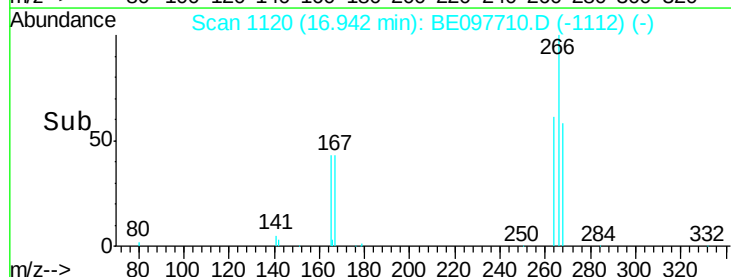
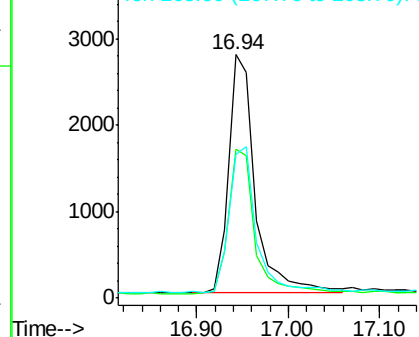


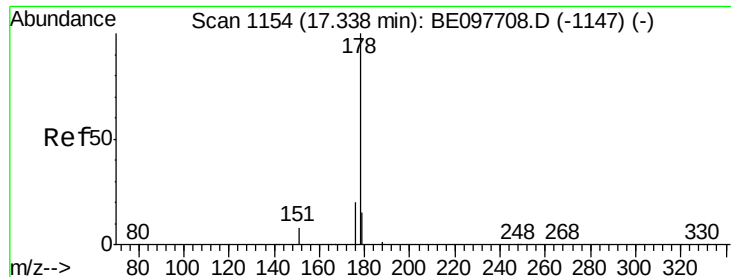
#22
Pentachlorophenol
Concen: 1.812 ng
RT: 16.94 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BE097710.D
Acq: 3 Oct 2018 10:54

Tgt Ion:266 Resp: 5603
Ion Ratio Lower Upper
266 100
264 61.2 46.8 70.2
268 59.3 53.0 79.6



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: 1.616 ng

RT: 17.34 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE097710.D

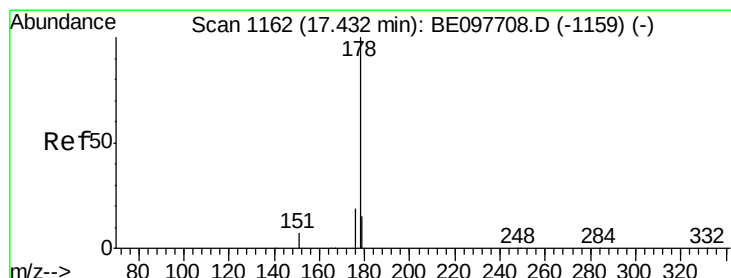
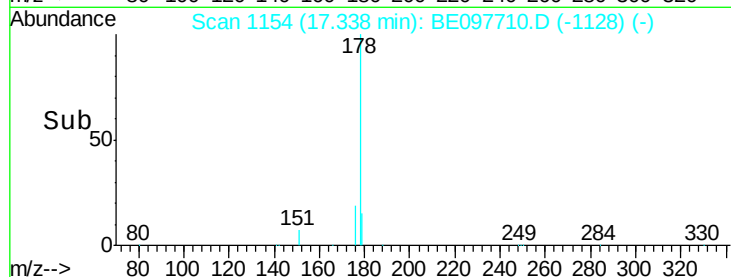
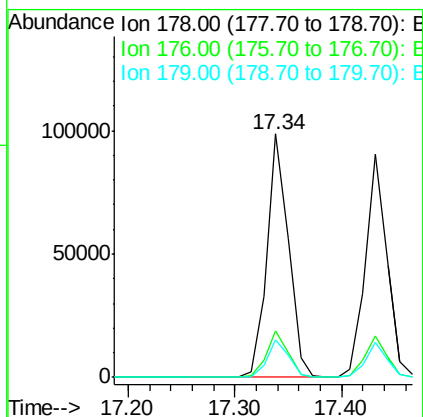
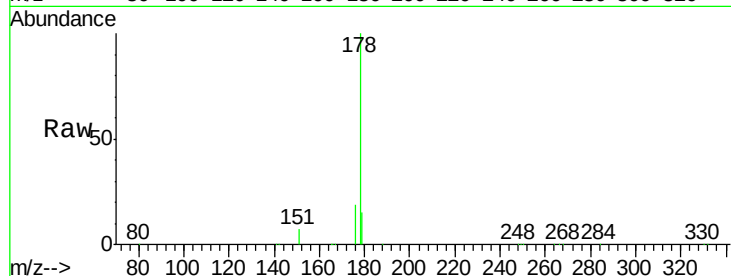
Acq: 3 Oct 2018 10:54

Instrument :

BNA_E

ClientSampleId :

Tgt Ion:	178	Resp:	139111
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.4	12.2	18.4



#24

Anthracene

Concen: 1.688 ng

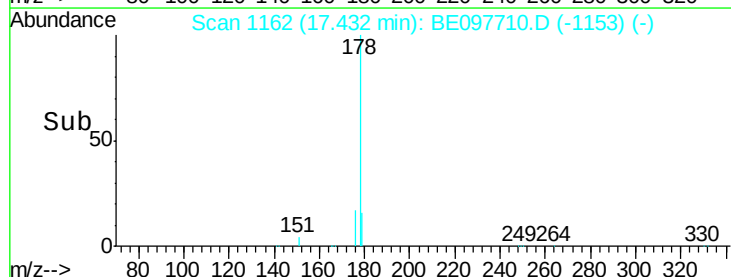
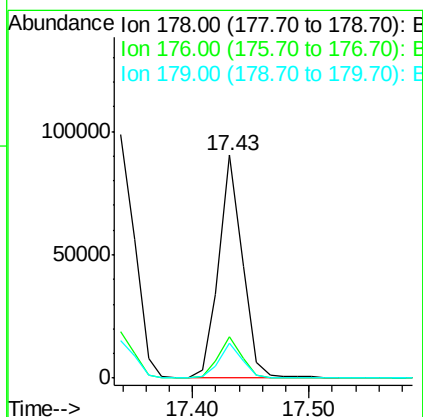
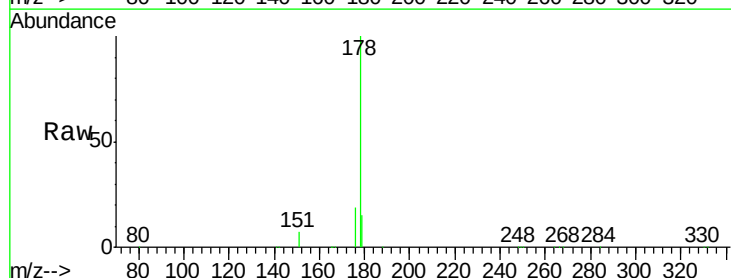
RT: 17.43 min Scan# 1162

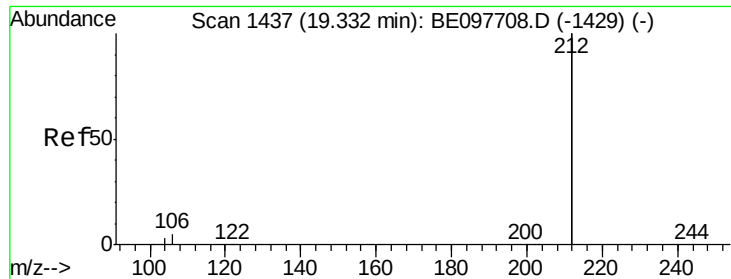
Delta R.T. 0.00 min

Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

Tgt Ion:	178	Resp:	125454
Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.3	12.2	18.2





#25

Fluoranthene-d10

Concen: 1.650 ng

RT: 19.33 min Scan# 1437

Delta R.T. 0.00 min

Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

Instrument :

BNA_E

ClientSampleId :

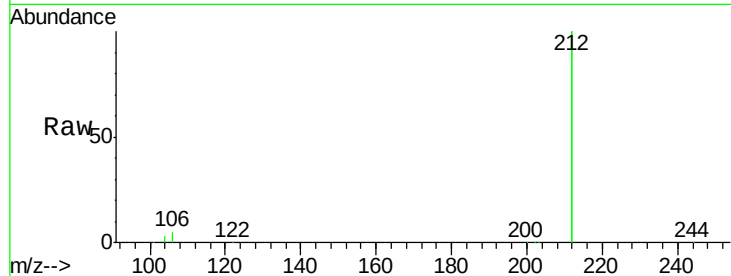
Tgt Ion:212 Resp: 697826

Ion Ratio Lower Upper

212 100

106 2.8 2.2 3.2

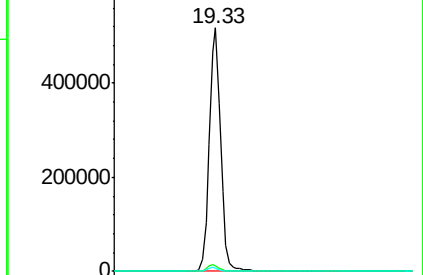
104 1.5 1.2 1.8



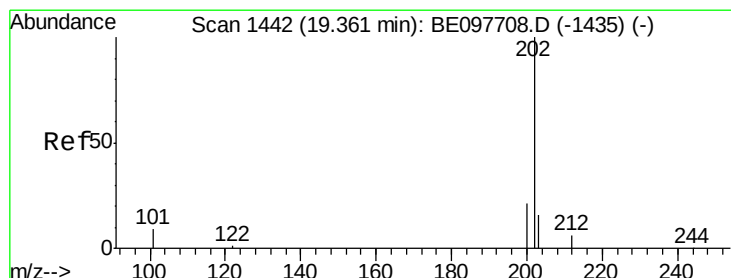
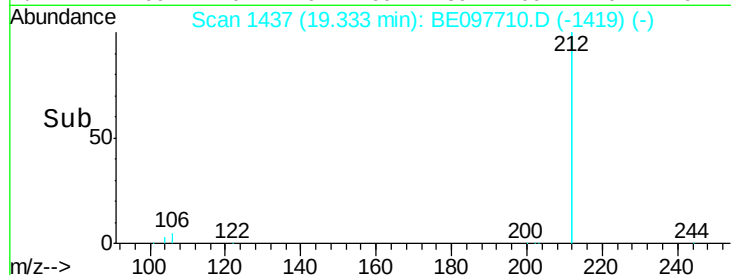
Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->



#26

Fluoranthene

Concen: 1.682 ng

RT: 19.36 min Scan# 1442

Delta R.T. 0.00 min

Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

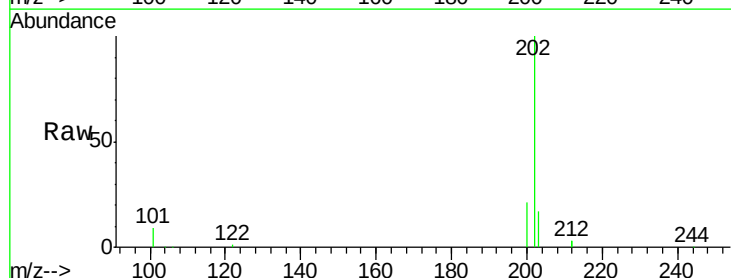
Tgt Ion:202 Resp: 184480

Ion Ratio Lower Upper

202 100

101 10.3 7.8 11.8

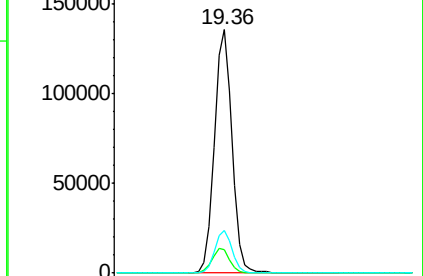
203 17.2 13.8 20.6



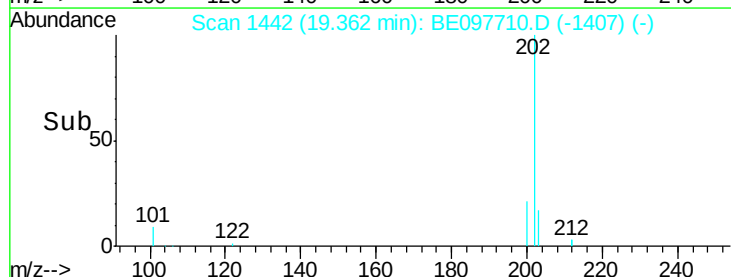
Abundance Ion 202.00 (201.70 to 202.70): E

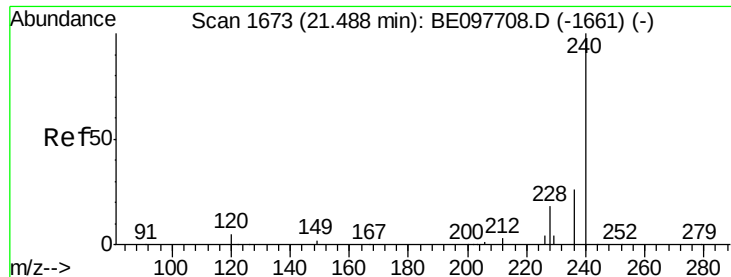
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.49 min Scan# 1673

Delta R.T. -0.00 min

Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

Instrument :

BNA_E

ClientSampleId :

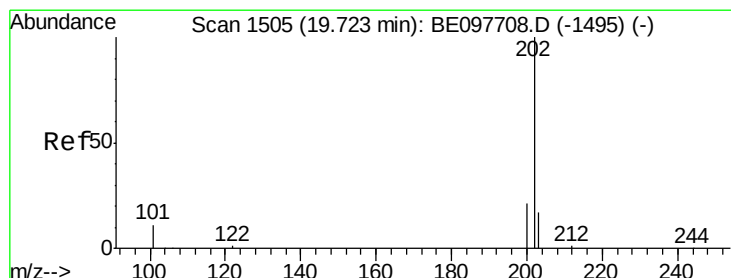
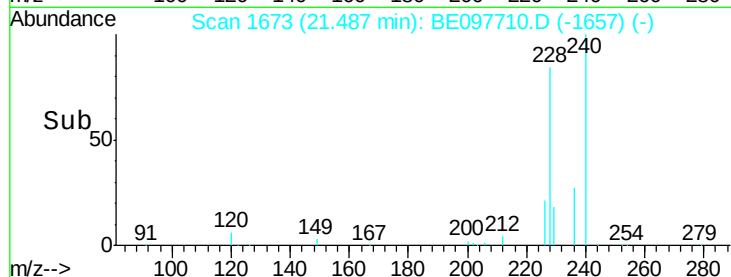
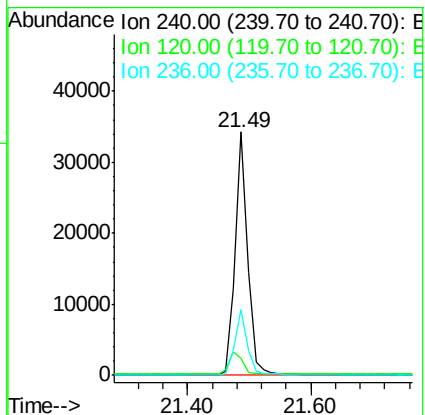
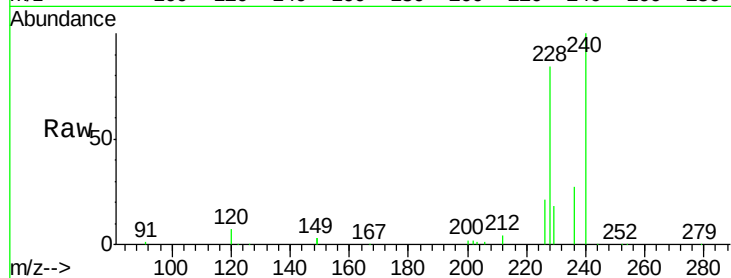
Tgt Ion:240 Resp: 47153

Ion Ratio Lower Upper

240 100

120 6.9 4.7 7.1

236 26.8 20.8 31.2



#28

Pyrene

Concen: 1.553 ng

RT: 19.72 min Scan# 1505

Delta R.T. 0.00 min

Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

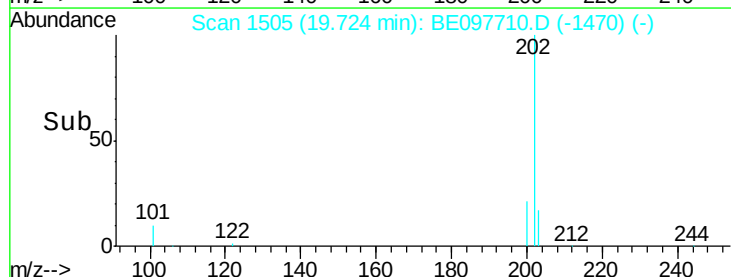
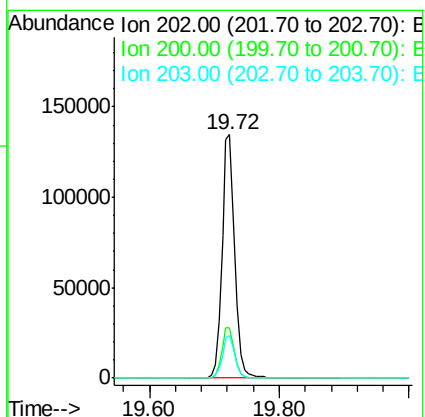
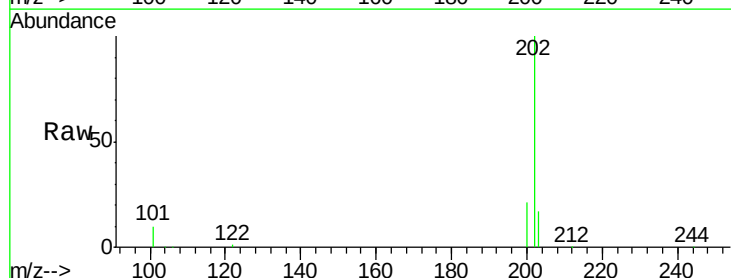
Tgt Ion:202 Resp: 186081

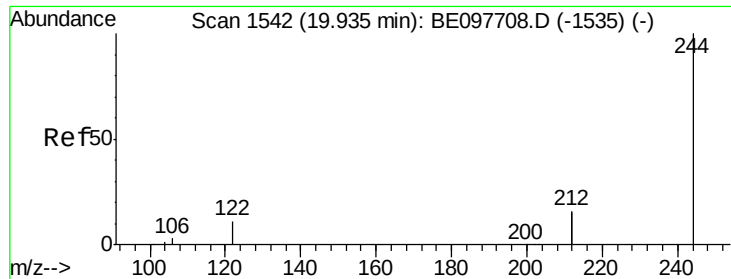
Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 17.5 13.9 20.9





#29

Terphenyl-d14

Concen: 1.514 ng

RT: 19.94 min Scan# 1542

Delta R.T. 0.00 min

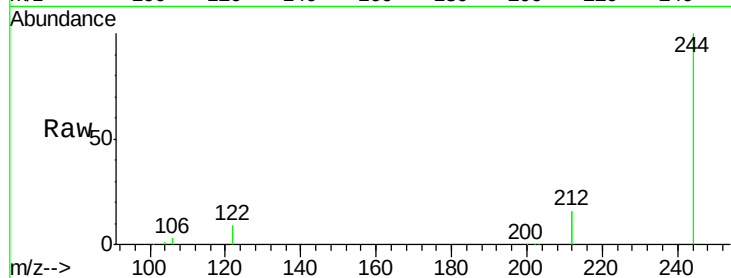
Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

Instrument :

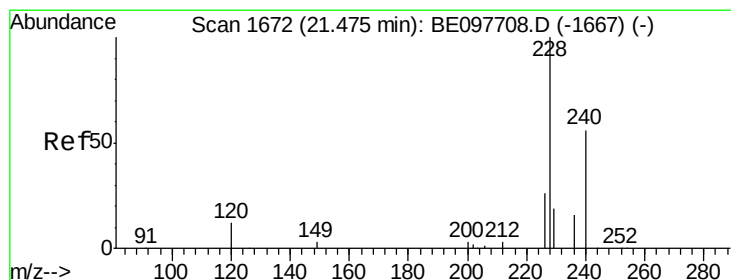
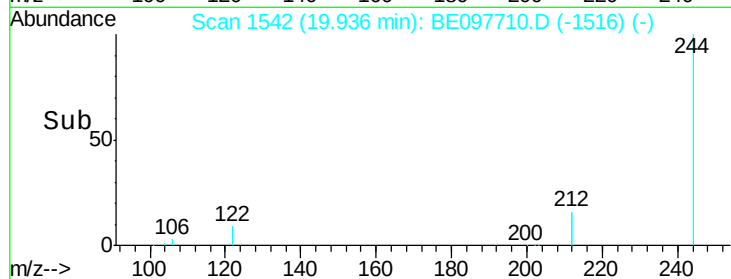
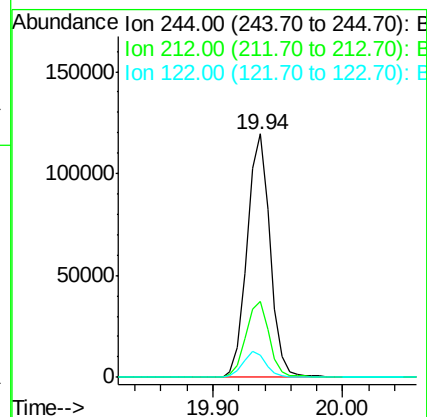
BNA_E

ClientSampleId :



Tgt Ion: 244 Resp: 145774

Ion	Ratio	Lower	Upper
244	100		
212	31.0	25.8	38.8
122	9.0	8.7	13.1



#30

Benzo(a)anthracene

Concen: 1.593 ng

RT: 21.47 min Scan# 1672

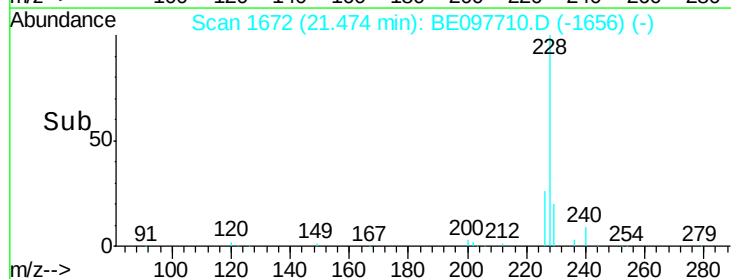
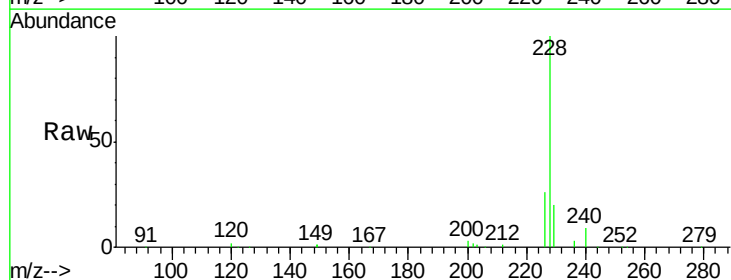
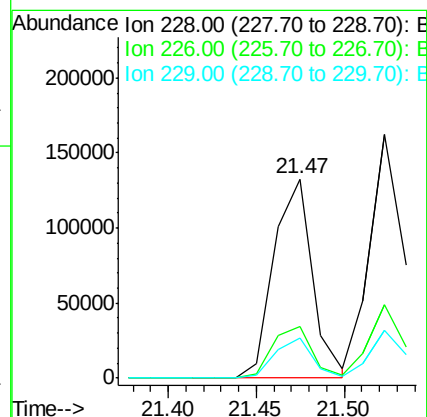
Delta R.T. -0.00 min

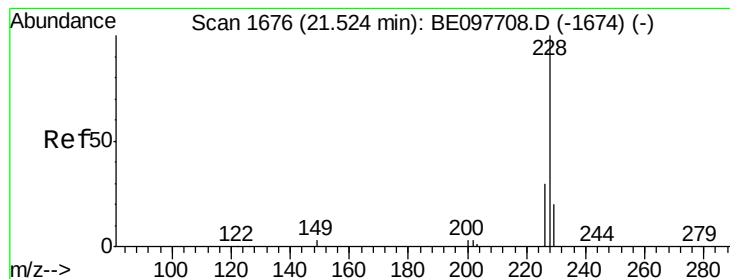
Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

Tgt Ion: 228 Resp: 201994

Ion	Ratio	Lower	Upper
228	100		
226	25.9	20.7	31.1
229	20.4	15.7	23.5





#31

Chrysene

Concen: 1.551 ng

RT: 21.52 min Scan# 1676

Delta R.T. -0.00 min

Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

Instrument :

BNA_E

ClientSampleId :

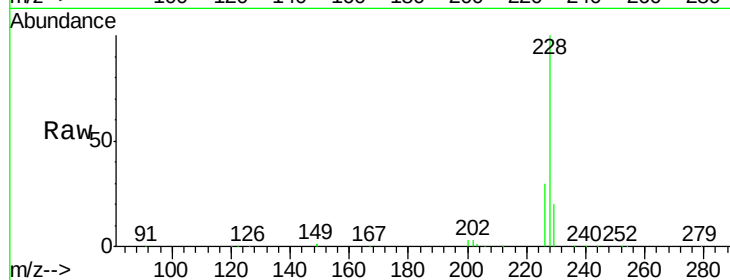
Tgt Ion:228 Resp: 219858

Ion Ratio Lower Upper

228 100

226 29.9 24.3 36.5

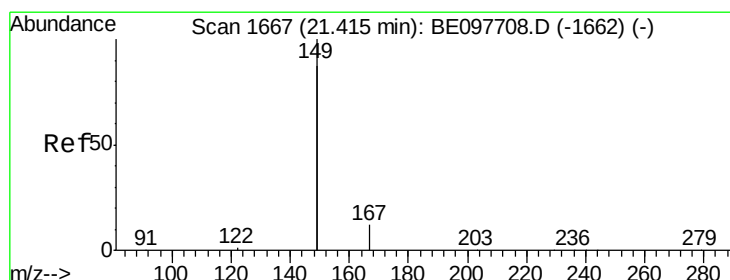
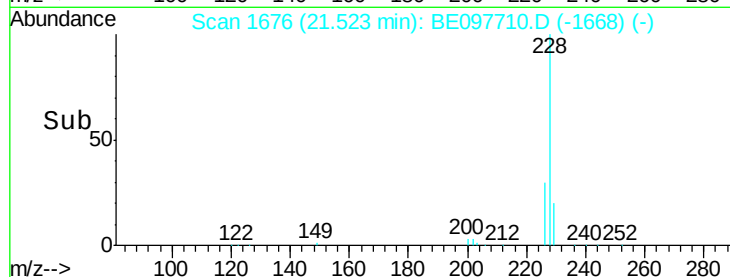
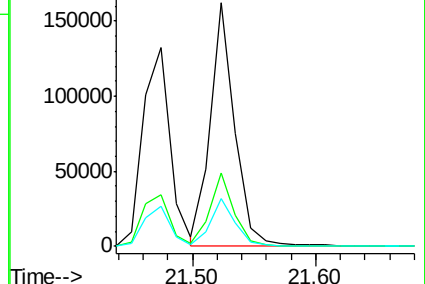
229 19.8 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 1.722 ng

RT: 21.43 min Scan# 1668

Delta R.T. 0.01 min

Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

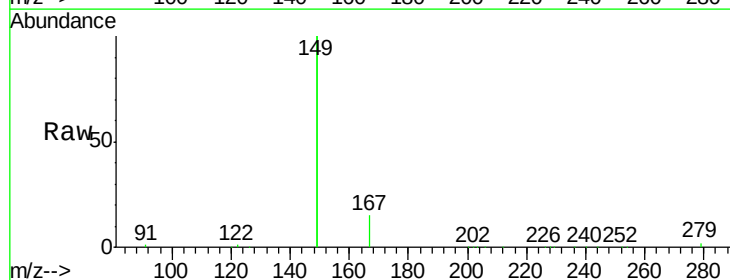
Tgt Ion:149 Resp: 159697

Ion Ratio Lower Upper

149 100

167 6.8 5.5 8.3

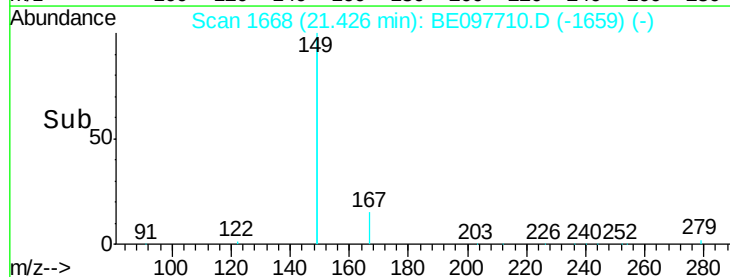
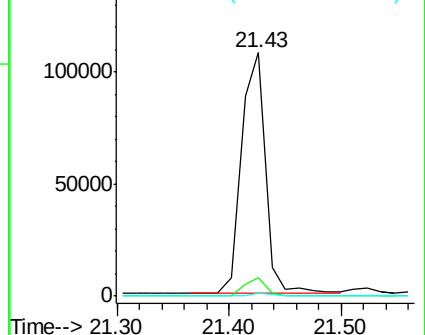
279 1.0 0.9 1.3

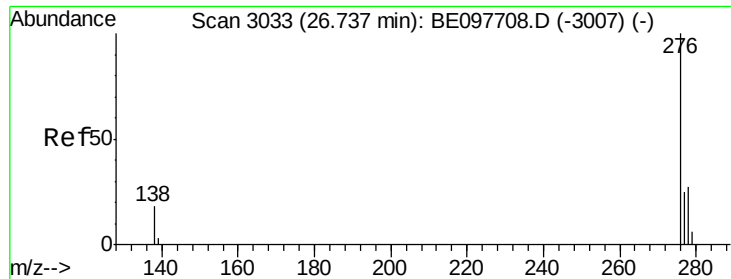


Abundance Ion 149.00 (148.70 to 149.70): E

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: 1.571 ng

RT: 26.74 min Scan# 3033

Delta R.T. 0.00 min

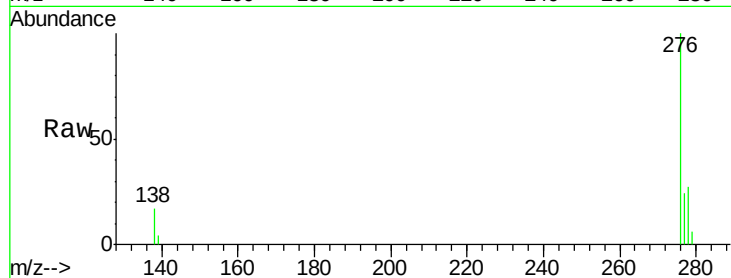
Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

Instrument :

BNA_E

ClientSampleId :



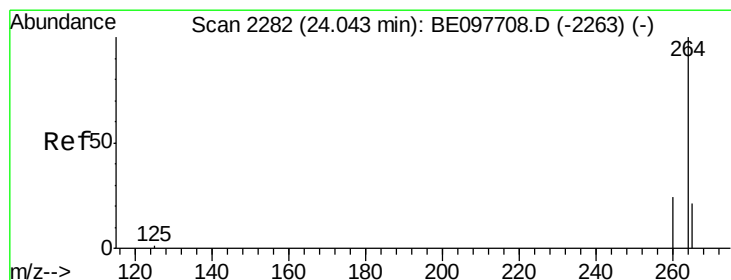
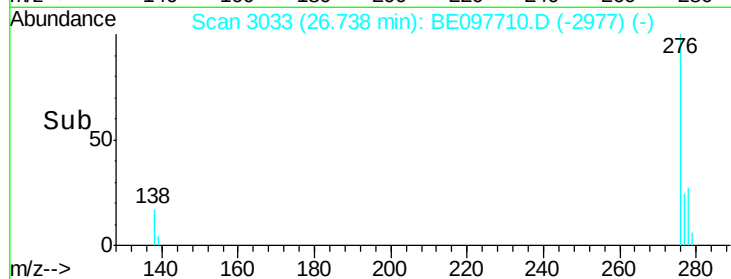
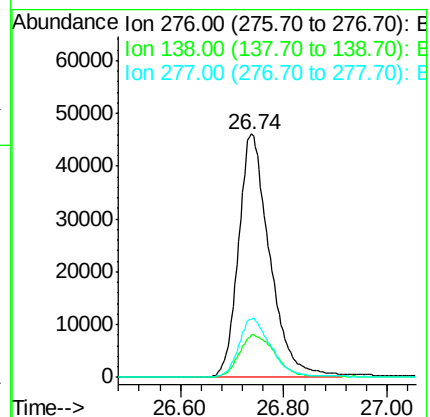
Tgt Ion:276 Resp: 193391

Ion Ratio Lower Upper

276 100

138 19.7 15.0 22.6

277 25.0 19.2 28.8



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.04 min Scan# 2281

Delta R.T. -0.00 min

Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

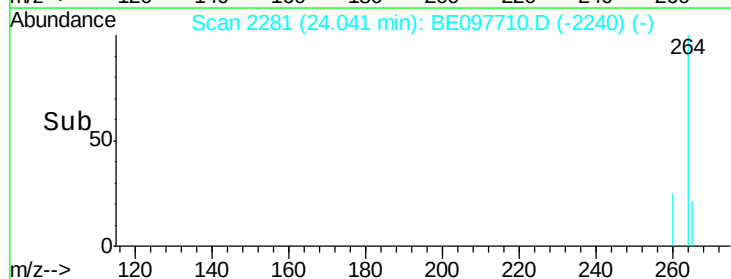
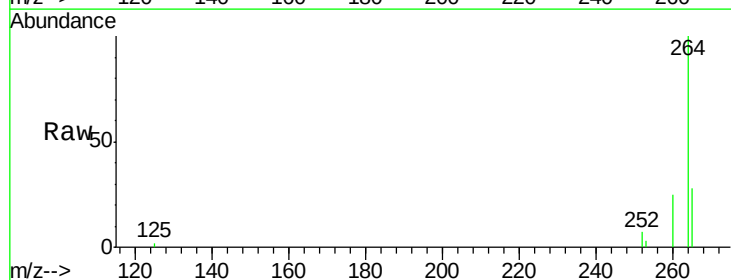
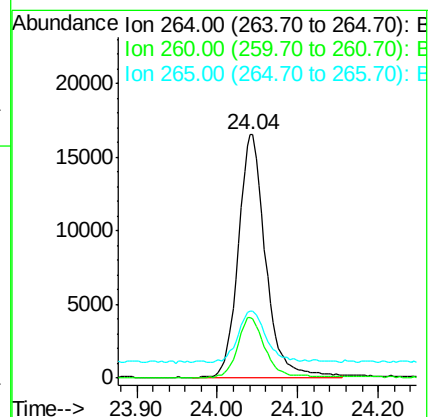
Tgt Ion:264 Resp: 38537

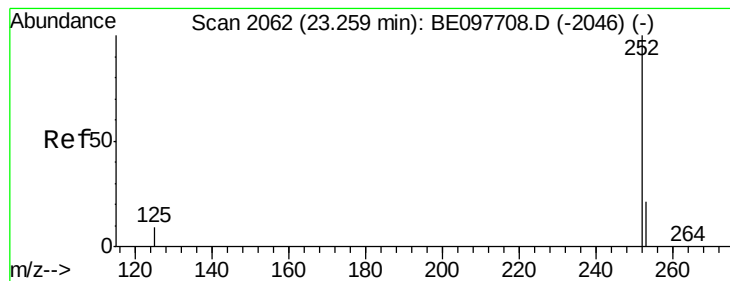
Ion Ratio Lower Upper

264 100

260 24.7 19.1 28.7

265 27.6 21.9 32.9





#35

Benzo(b)fluoranthene

Concen: 1.678 ng

RT: 23.26 min Scan# 2061

Delta R.T. -0.00 min

Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

Instrument :

BNA_E

ClientSampleId :

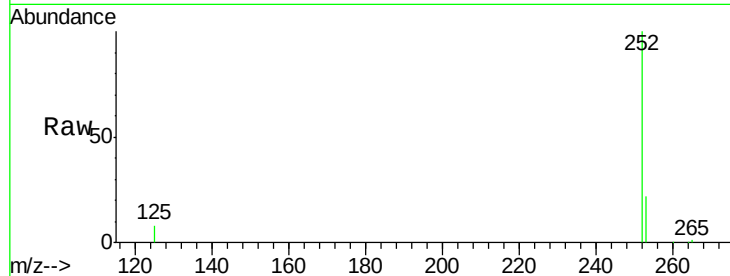
Tgt Ion:252 Resp: 177503

Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

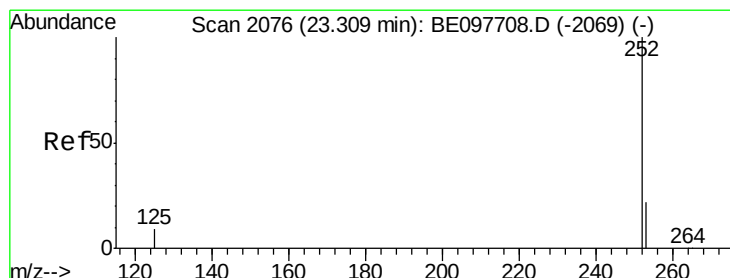
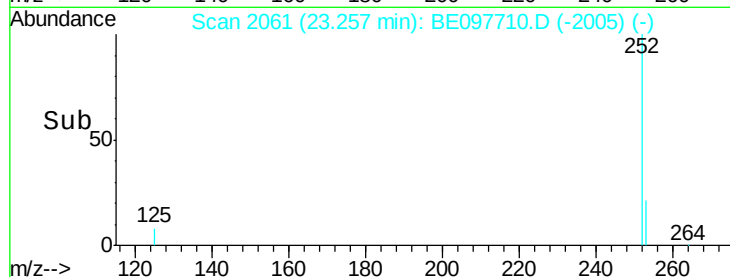
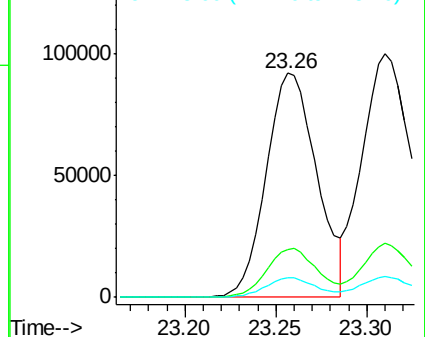
125 8.5 7.8 11.8



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: 1.717 ng

RT: 23.31 min Scan# 2076

Delta R.T. 0.00 min

Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

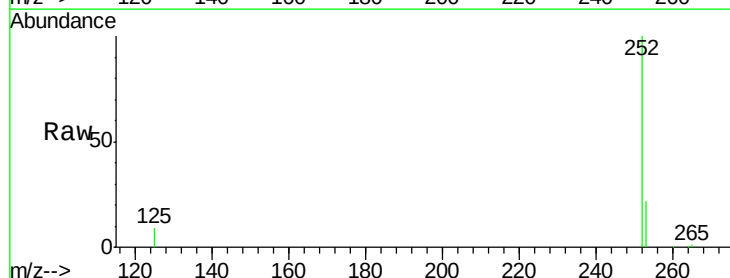
Tgt Ion:252 Resp: 201280

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

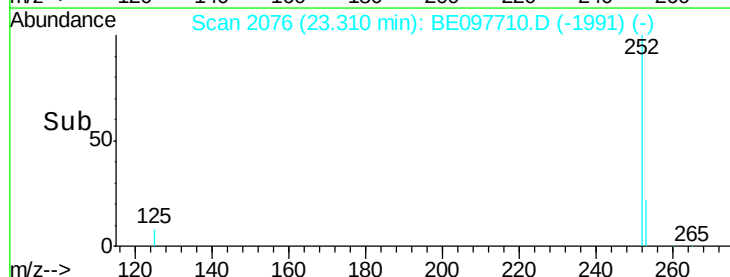
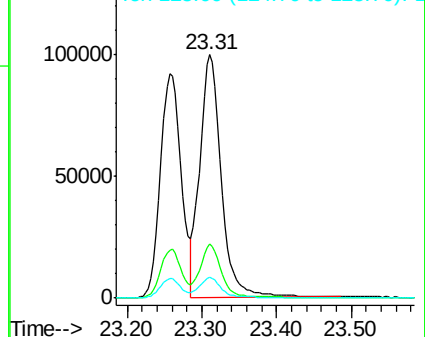
125 8.6 7.5 11.3

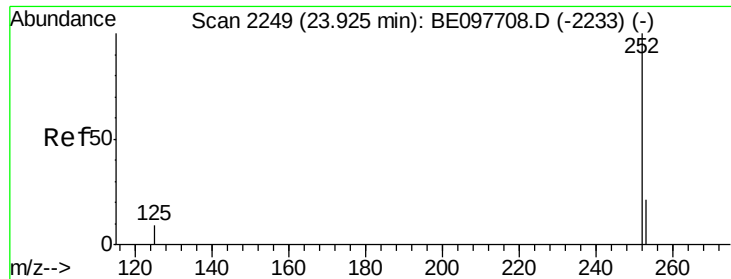


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 1.700 ng

RT: 23.93 min Scan# 2249

Delta R.T. 0.00 min

Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

Instrument :

BNA_E

ClientSampleId :

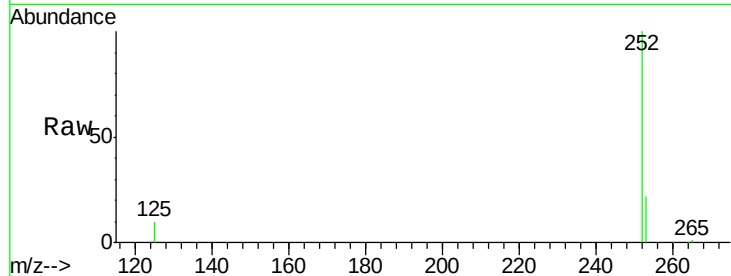
Tgt Ion: 252 Resp: 162748

Ion Ratio Lower Upper

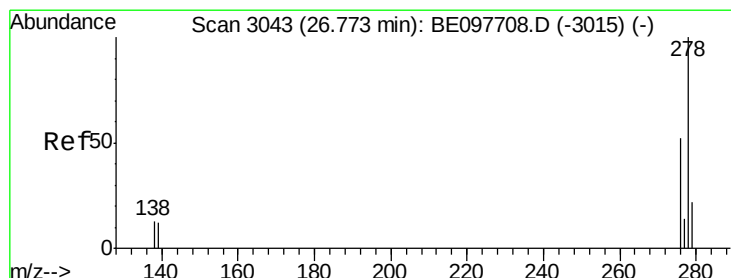
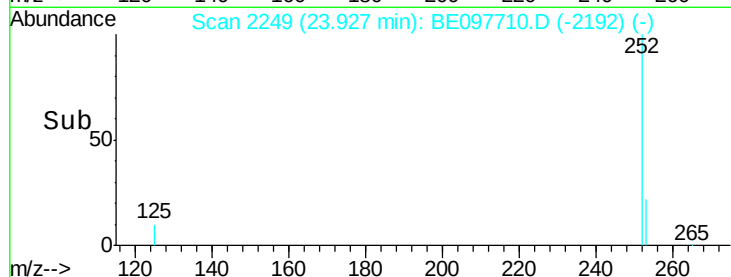
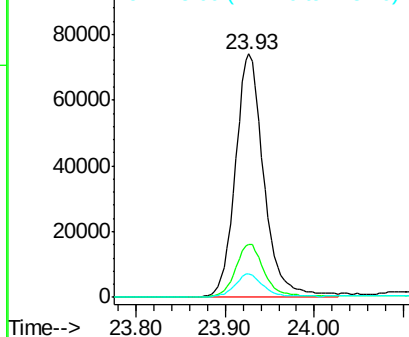
252 100

253 21.7 17.7 26.5

125 9.8 8.3 12.5



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: 1.750 ng

RT: 26.77 min Scan# 3043

Delta R.T. 0.00 min

Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

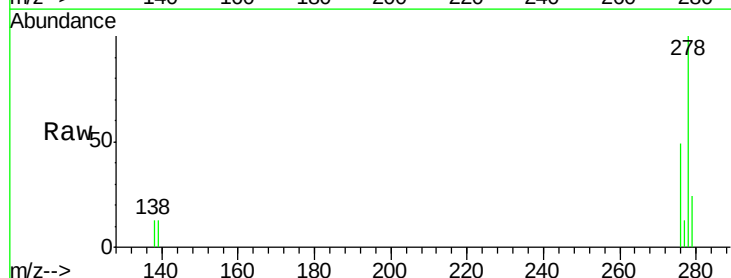
Tgt Ion: 278 Resp: 165030

Ion Ratio Lower Upper

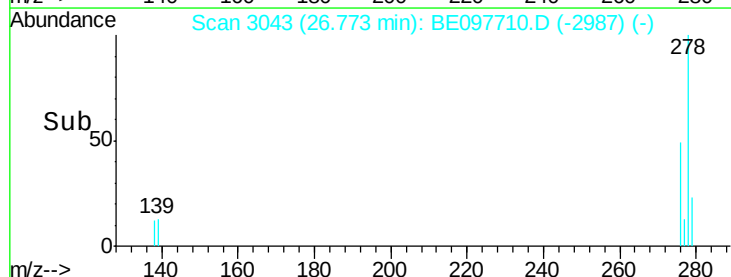
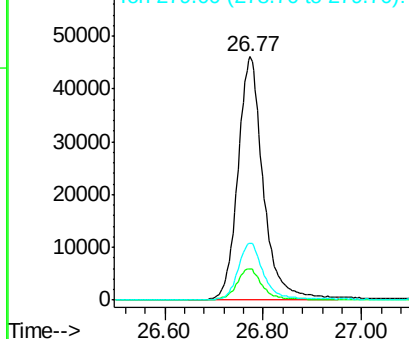
278 100

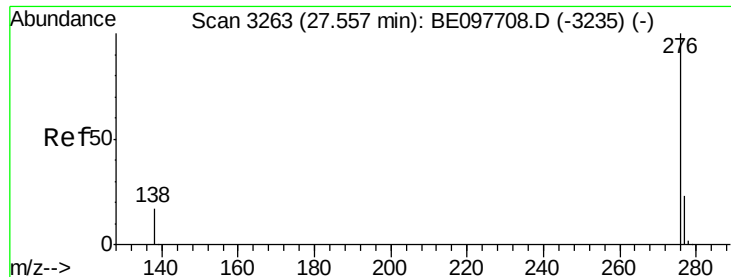
139 12.7 10.3 15.5

279 23.5 18.4 27.6



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 1.687 ng

RT: 27.56 min Scan# 3263

Delta R.T. 0.00 min

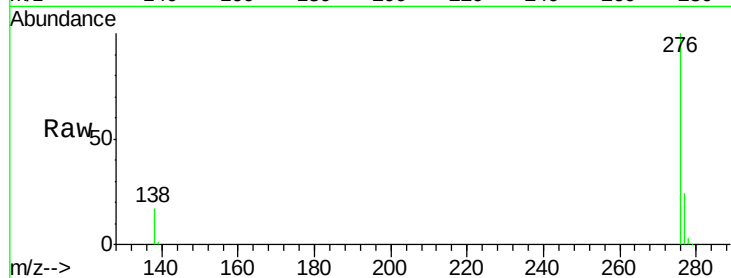
Lab File: BE097710.D

Acq: 3 Oct 2018 10:54

Instrument :

BNA_E

ClientSampleId :



Tgt Ion: 276 Resp: 166512

Ion Ratio Lower Upper

276 100

277 23.5 19.1 28.7

138 17.3 14.2 21.2

