

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091018\
 Data File : BE097443.D
 Acq On : 10 Sep 2018 11:31
 Operator : SJ/JU
 Sample : PB112668BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 10 13:24:52 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	1175	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	4929	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	2342	0.40	ng	-0.01
19) Phenanthrene-d10	16.75	188	5642	0.40	ng	-0.01
27) Chrysene-d12	20.97	240	7719	0.40	ng	0.00
34) Perylene-d12	23.20	264	8372	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	1304	0.38	ng	0.00
5) Phenol-d6	6.60	99	1603	0.35	ng	0.00
8) Nitrobenzene-d5	8.52	82	1331	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	3420	0.50	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	250	0.32	ng	0.00
15) 2-Fluorobiphenyl	12.62	172	3335	0.39	ng	0.00
25) Fluoranthene-d10	18.80	212	23346	0.36	ng	0.00
29) Terphenyl-d14	19.42	244	4050	0.28	ng	0.00

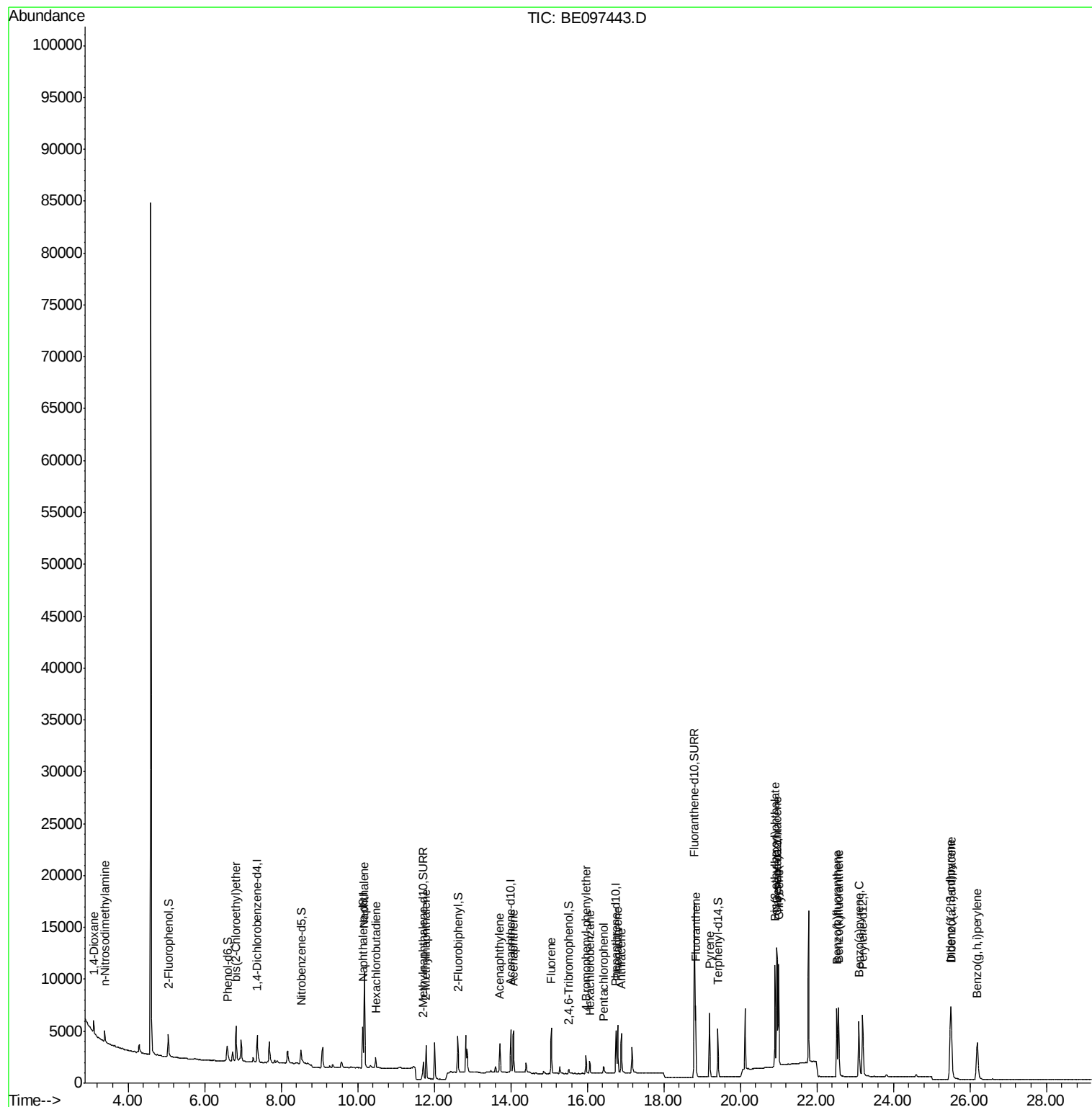
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.09	88	600	0.287	ng	# 56
3) n-Nitrosodimethylamine	3.38	42	646	0.331	ng	# 93
6) bis(2-Chloroethyl)ether	6.83	93	1283	0.300	ng	94
9) Naphthalene	10.17	128	16387	0.365	ng	100
10) Hexachlorobutadiene	10.47	225	688	0.343	ng	98
12) 2-Methylnaphthalene	11.79	142	2542	0.359	ng	99
16) Acenaphthylene	13.71	152	3370	0.362	ng	99
17) Acenaphthene	14.07	154	2199	0.354	ng	95
18) Fluorene	15.06	166	2724	0.347	ng	# 79
20) 4-Bromophenyl-phenylether	15.96	248	870	0.339	ng	# 84
21) Hexachlorobenzene	16.07	284	980	0.345	ng	# 83
22) Pentachlorophenol	16.43	266	482	0.640	ng	# 76
23) Phenanthrene	16.80	178	4907	0.365	ng	99
24) Anthracene	16.89	178	4304	0.377	ng	# 95
26) Fluoranthene	18.83	202	5974	0.355	ng	98
28) Pyrene	19.19	202	6093	0.332	ng	99
30) Benzo(a)anthracene	20.95	228	7513	0.385	ng	97
31) Chrysene	21.00	228	7695	0.366	ng	99
32) Bis(2-ethylhexyl)phthalate	20.91	149	9570	0.428	ng	100
33) Indeno(1,2,3-cd)pyrene	25.49	276	10050	0.377	ng	# 92
35) Benzo(b)fluoranthene	22.53	252	8076	0.362	ng	# 90
36) Benzo(k)fluoranthene	22.57	252	8734	0.354	ng	93
37) Benzo(a)pyrene	23.10	252	7979	0.369	ng	# 91
38) Dibenzo(a,h)anthracene	25.51	278	8348	0.321	ng	95
39) Benzo(g,h,i)perylene	26.19	276	8521	0.316	ng	# 89

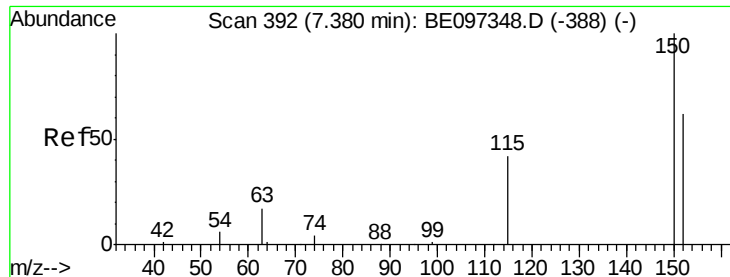
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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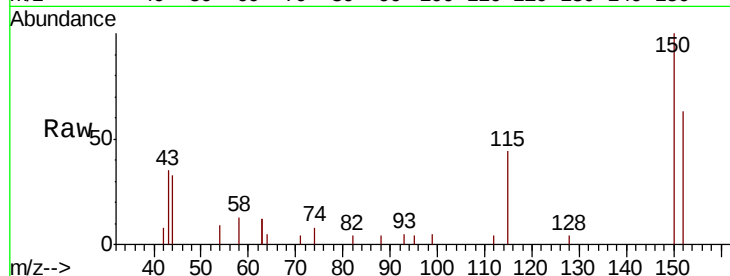


#1

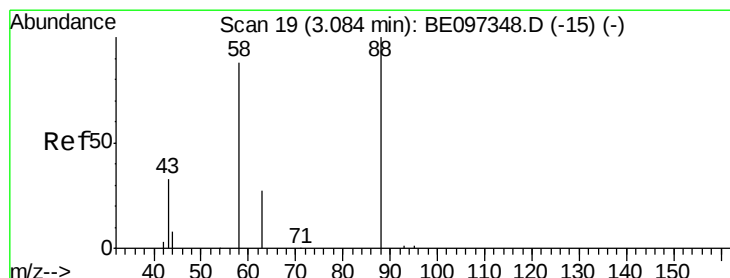
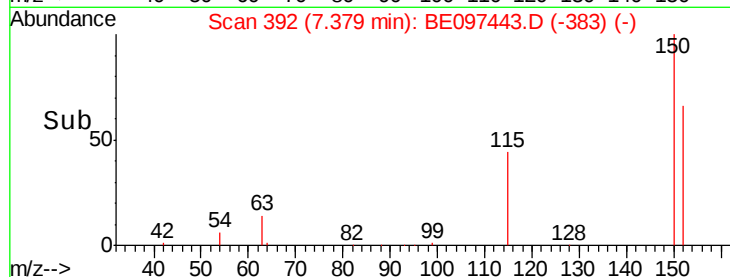
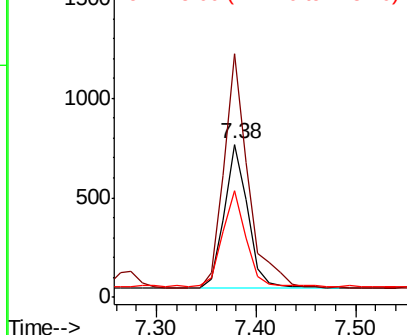
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097443.D
Acq: 10 Sep 2018 11:31

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1175
Ion Ratio Lower Upper
152 100
150 159.5 117.2 175.8
115 69.6 57.0 85.6



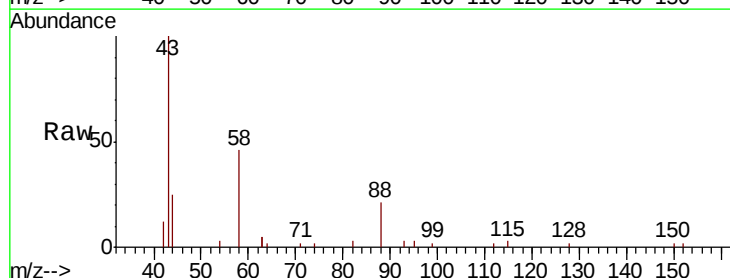
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



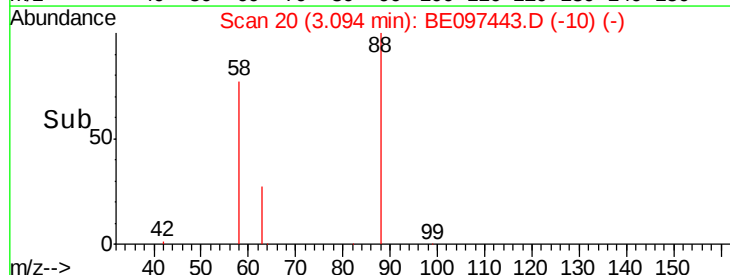
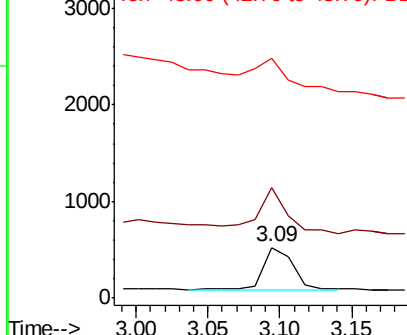
#2

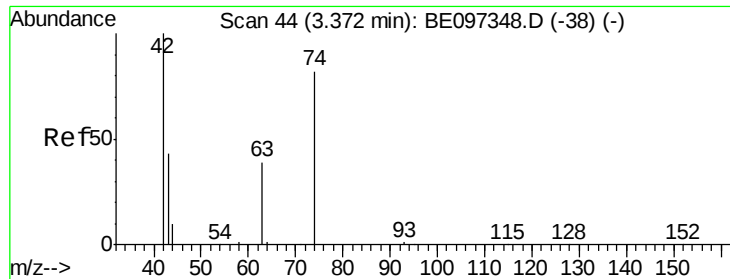
1,4-Dioxane
Concen: 0.287 ng
RT: 3.09 min Scan# 20
Delta R.T. 0.01 min
Lab File: BE097443.D
Acq: 10 Sep 2018 11:31

Tgt Ion: 88 Resp: 600
Ion Ratio Lower Upper
88 100
58 110.2 63.2 94.8#
43 92.2 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



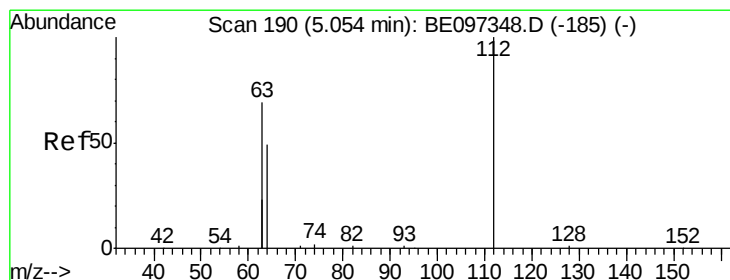
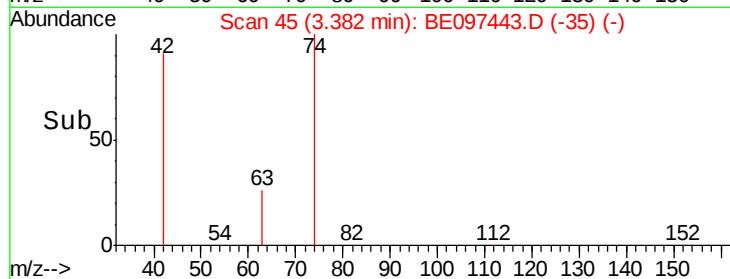
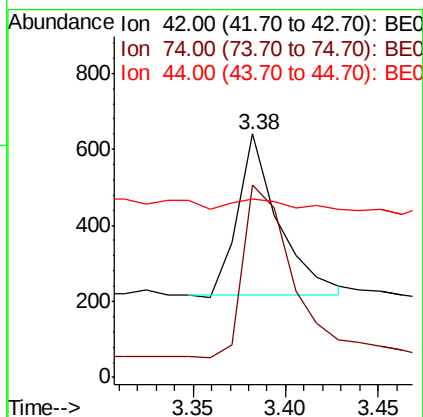
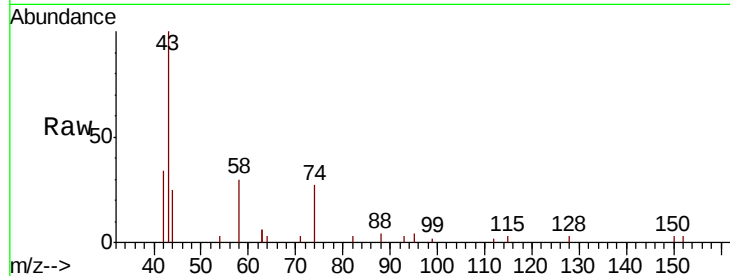


#3

n-Nitrosodimethylamine
 Concen: 0.331 ng
 RT: 3.38 min Scan# 45
 Delta R.T. 0.01 min
 Lab File: BE097443.D
 Acq: 10 Sep 2018 11:31

Instrument :
 BNA_E
 ClientSampleId :

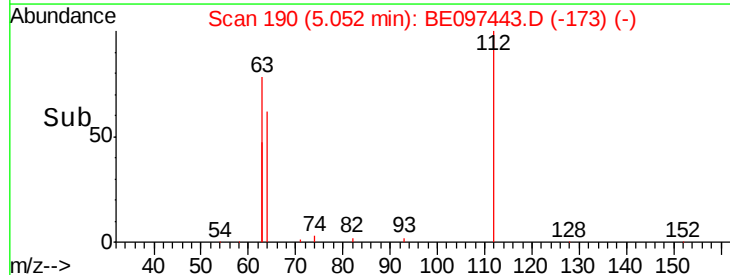
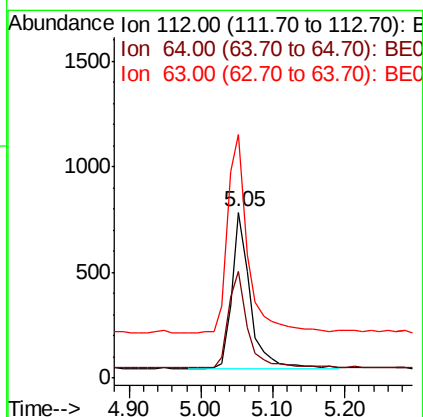
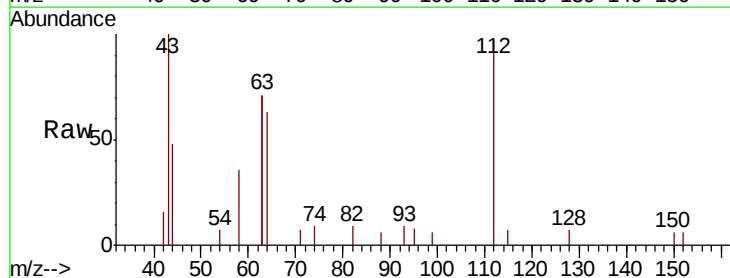
Tot Ion: 42 Resp: 646
 Ion Ratio Lower Upper
 42 100
 74 126.9 96.0 144.0
 44 8.5 12.0 18.0#

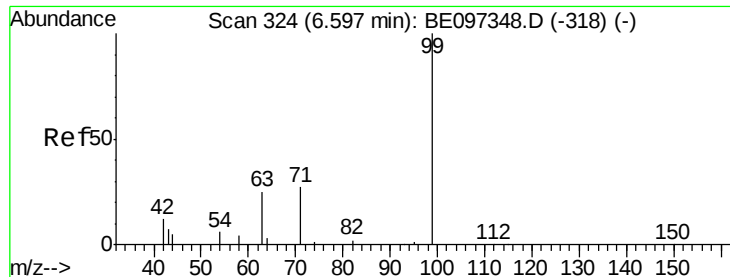


#4

2-Fluorophenol
 Concen: 0.375 ng
 RT: 5.05 min Scan# 190
 Delta R.T. -0.00 min
 Lab File: BE097443.D
 Acq: 10 Sep 2018 11:31

Tgt Ion: 112 Resp: 1304
 Ion Ratio Lower Upper
 112 100
 64 65.6 60.1 90.1
 63 141.2 116.8 175.2





#5

Phenol-d6

Concen: 0.345 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097443.D

Acq: 10 Sep 2018 11:31

Instrument :

BNA_E

ClientSampled :

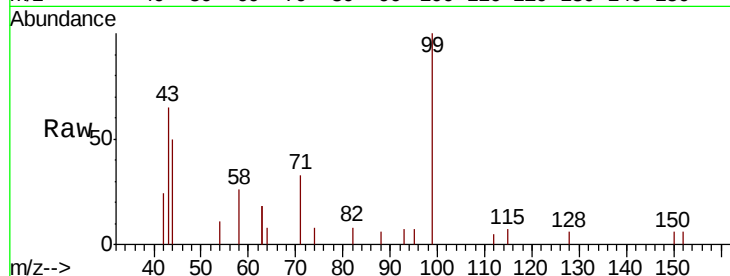
Tot Ion: 99 Resp: 1603

Ion Ratio Lower Upper

99 100

42 20.8 20.2 30.2

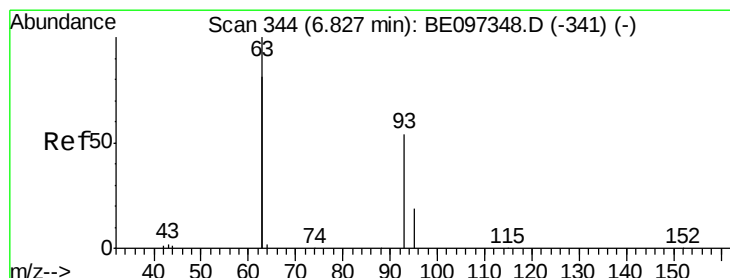
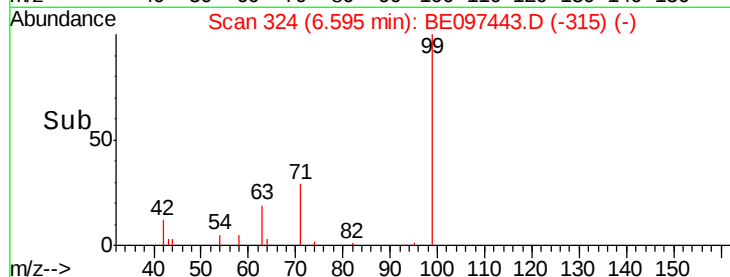
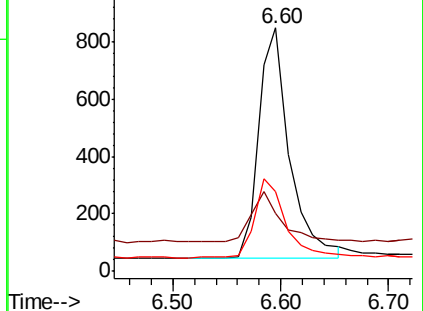
71 34.9 28.4 42.6



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: 0.300 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.00 min

Lab File: BE097443.D

Acq: 10 Sep 2018 11:31

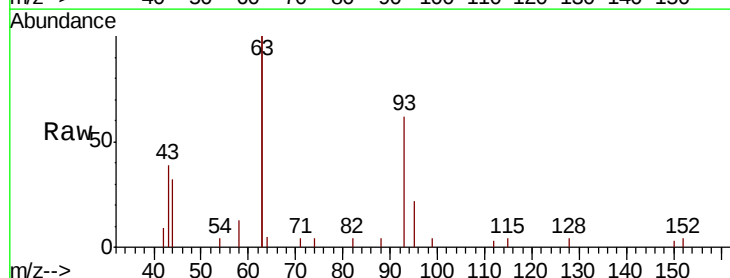
Tgt Ion: 93 Resp: 1283

Ion Ratio Lower Upper

93 100

63 330.4 275.3 412.9

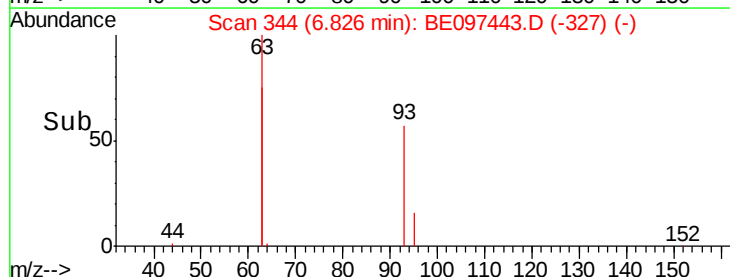
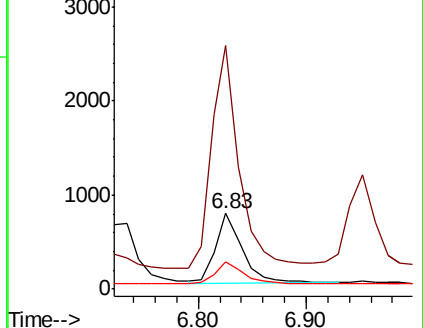
95 32.9 25.2 37.8

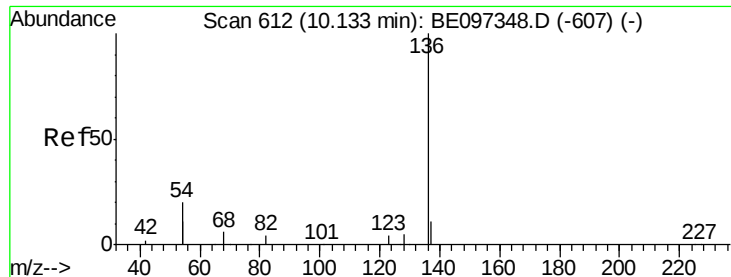


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE097443.D

Acq: 10 Sep 2018 11:31

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4929

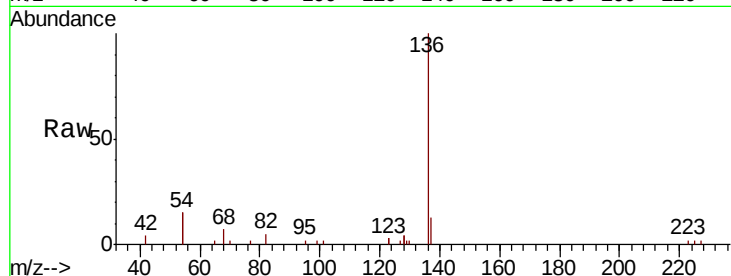
Ion Ratio Lower Upper

136 100

137 12.6 9.5 14.3

54 29.5 29.1 43.7

68 6.7 6.2 9.2

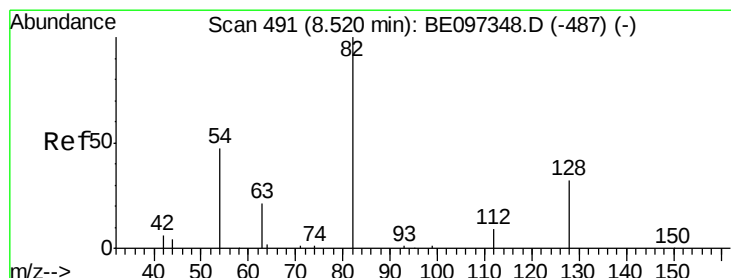
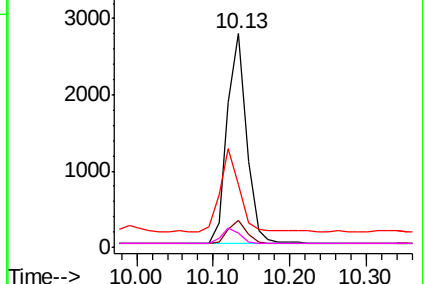
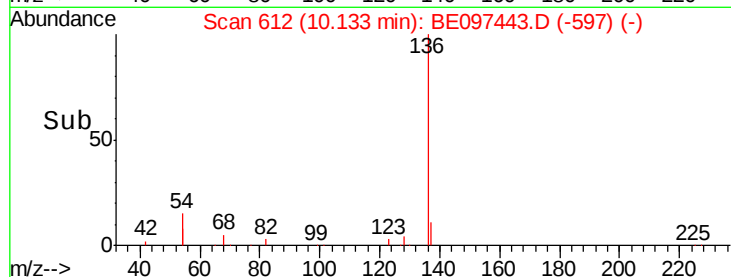


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.377 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097443.D

Acq: 10 Sep 2018 11:31

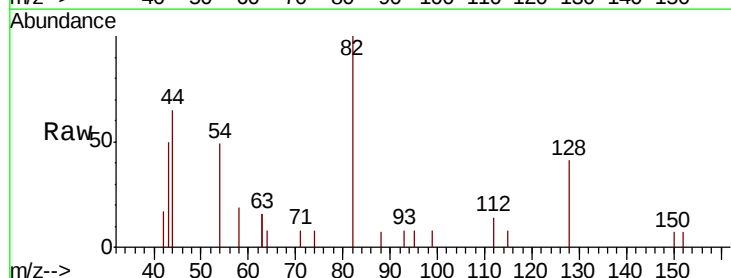
Tgt Ion: 82 Resp: 1331

Ion Ratio Lower Upper

82 100

128 40.6 24.0 36.0#

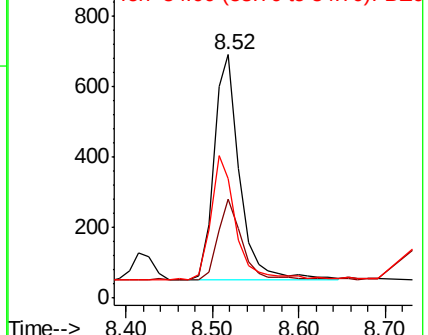
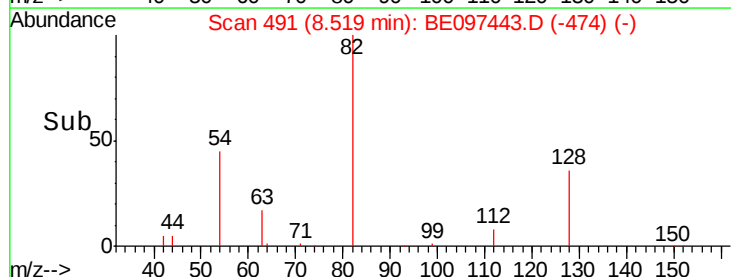
54 49.0 40.0 60.0

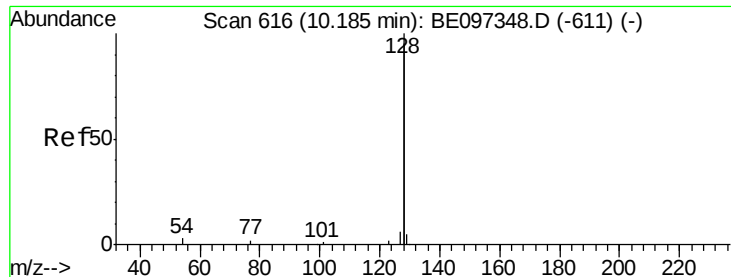


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

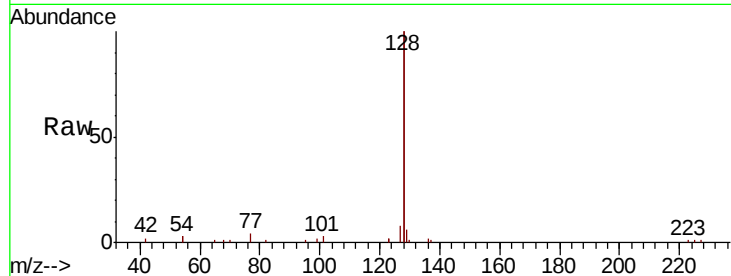




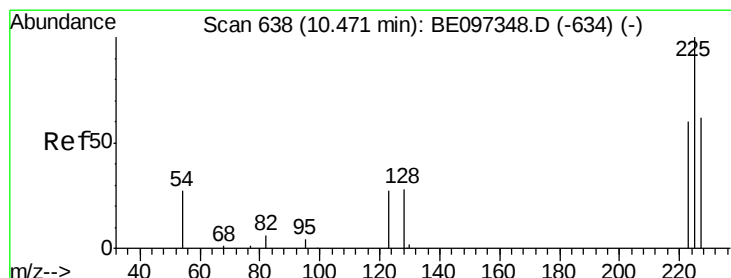
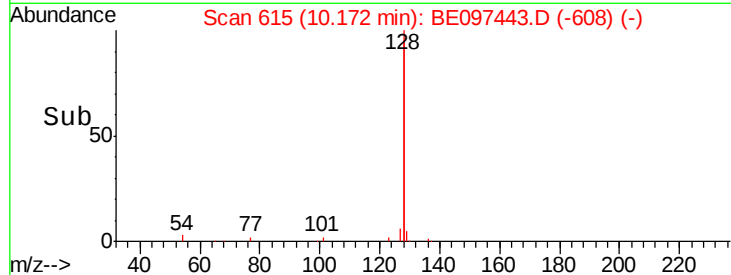
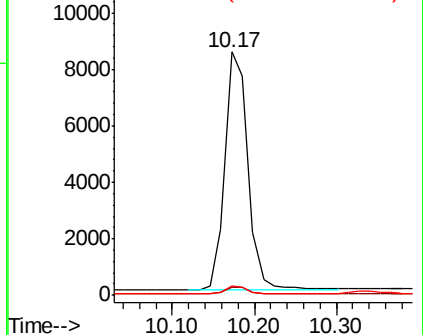
#9
Naphthalene
Concen: 0.365 ng
RT: 10.17 min Scan# 615
Delta R.T. -0.01 min
Lab File: BE097443.D
Acq: 10 Sep 2018 11:31

Instrument :
BNA_E
ClientSampleId :

Tot Ion:128 Resp: 16387
Ion Ratio Lower Upper
128 100
129 3.2 2.6 3.8
127 3.8 2.8 4.2

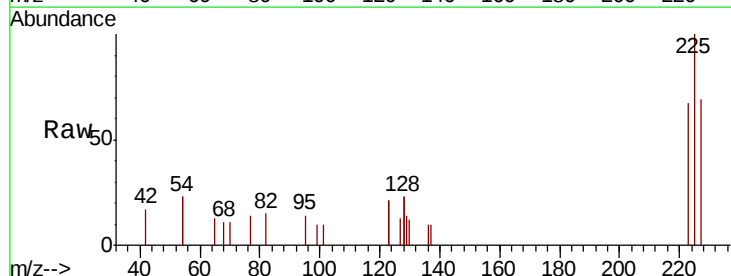


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

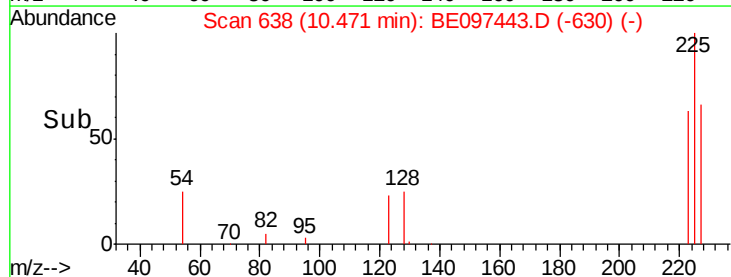
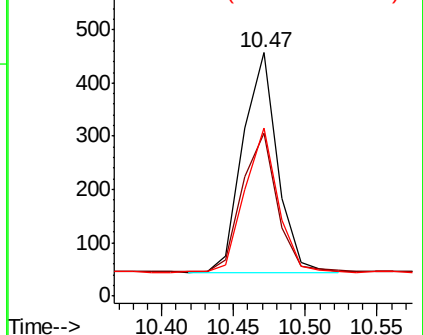


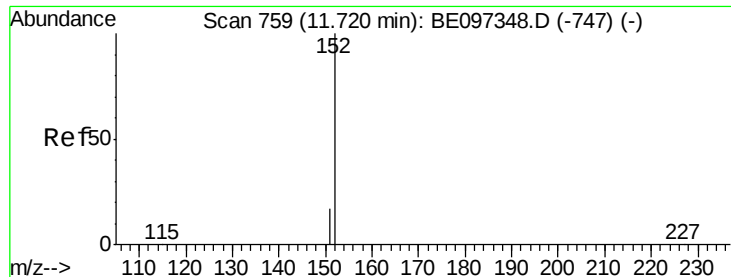
#10
Hexachlorobutadiene
Concen: 0.343 ng
RT: 10.47 min Scan# 638
Delta R.T. 0.00 min
Lab File: BE097443.D
Acq: 10 Sep 2018 11:31

Tgt Ion:225 Resp: 688
Ion Ratio Lower Upper
225 100
223 64.4 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

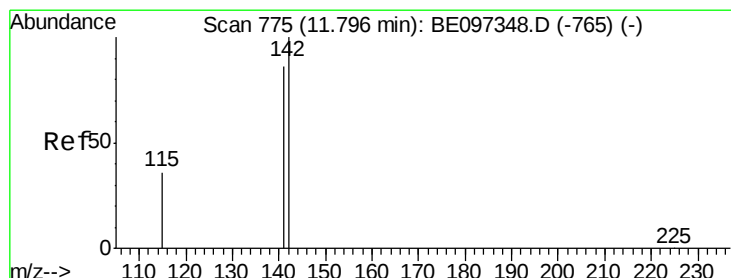
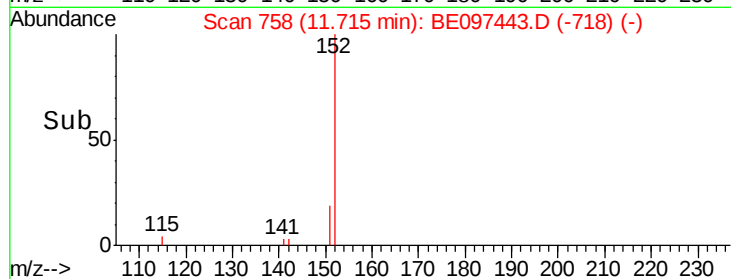
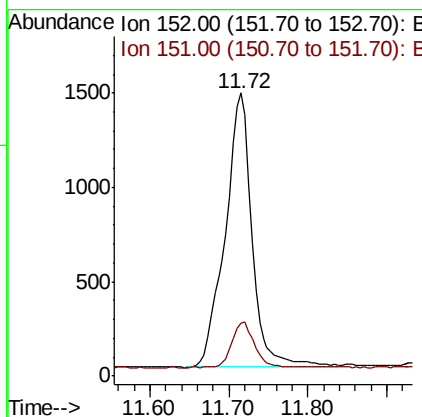
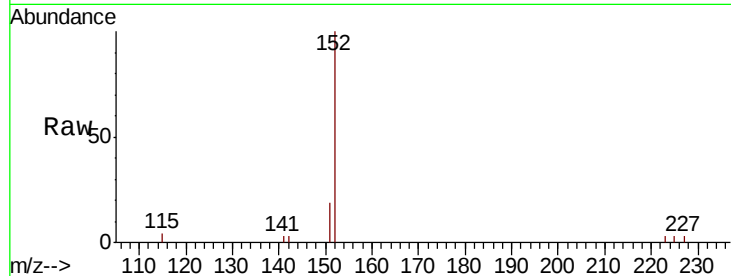




#11
 2-Methylnaphthalene-d10
 Concen: 0.498 ng
 RT: 11.72 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: BE097443.D
 Acq: 10 Sep 2018 11:31

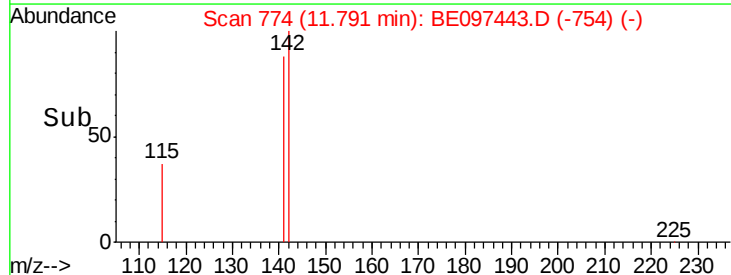
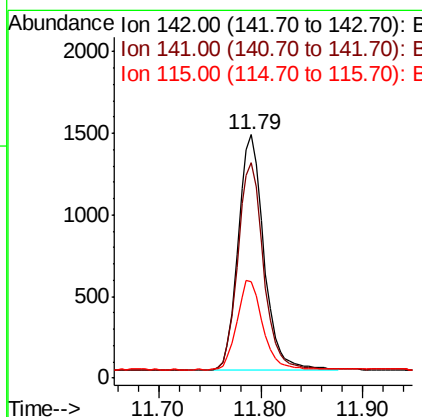
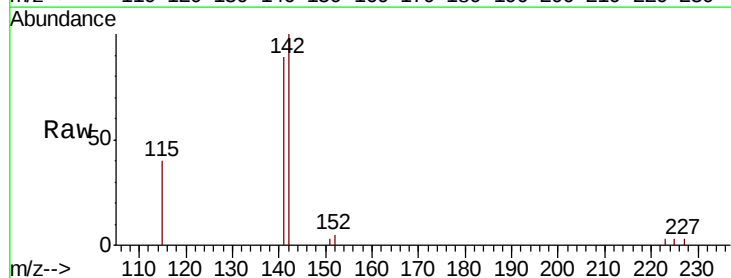
Instrument :
 BNA_E
 ClientSampleId :

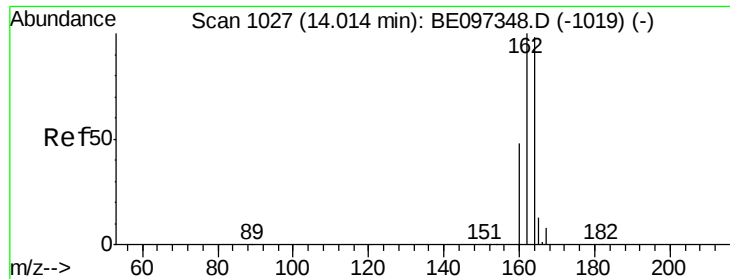
Tot Ion:152 Resp: 3420
 Ion Ratio Lower Upper
 152 100
 151 13.6 15.4 23.0#



#12
 2-Methylnaphthalene
 Concen: 0.359 ng
 RT: 11.79 min Scan# 774
 Delta R.T. -0.00 min
 Lab File: BE097443.D
 Acq: 10 Sep 2018 11:31

Tgt Ion:142 Resp: 2542
 Ion Ratio Lower Upper
 142 100
 141 88.7 70.4 105.6
 115 39.6 31.7 47.5

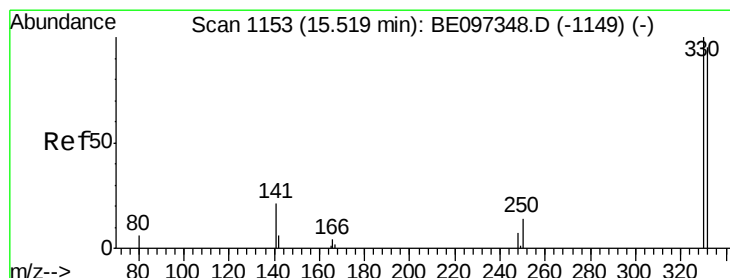
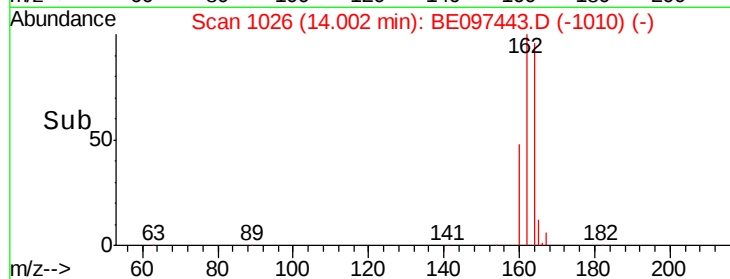
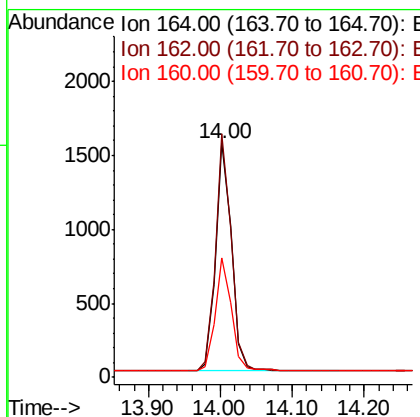
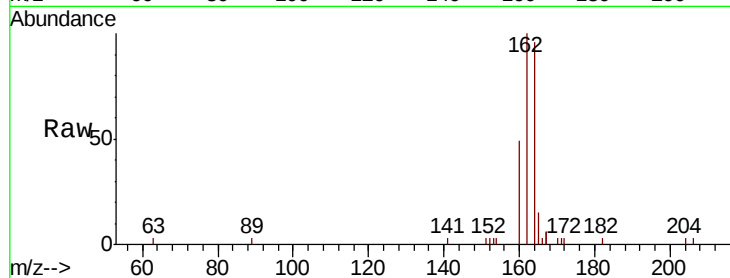




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.00 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BE097443.D
 Acq: 10 Sep 2018 11:31

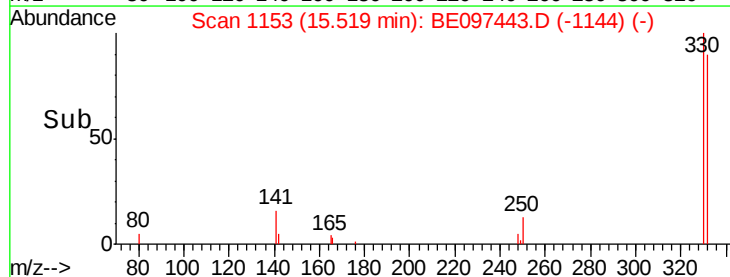
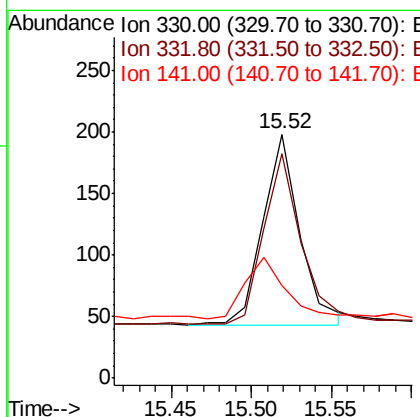
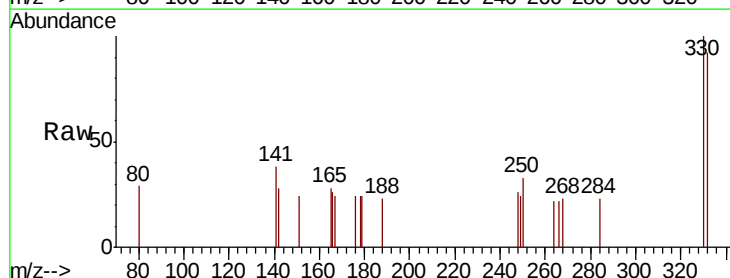
Instrument :
 BNA_E
 ClientSampleId :

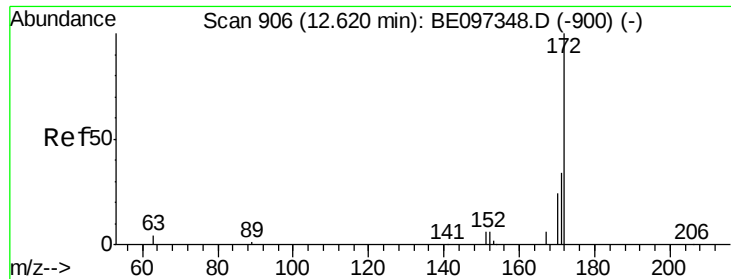
Tot Ion:164 Resp: 2342
 Ion Ratio Lower Upper
 164 100
 162 104.0 83.1 124.7
 160 51.1 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.316 ng
 RT: 15.52 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: BE097443.D
 Acq: 10 Sep 2018 11:31

Tgt Ion:330 Resp: 250
 Ion Ratio Lower Upper
 330 100
 332 90.0 152.7 229.1#
 141 35.6 33.7 50.5

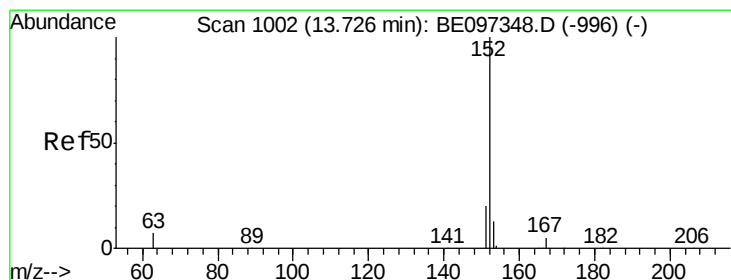
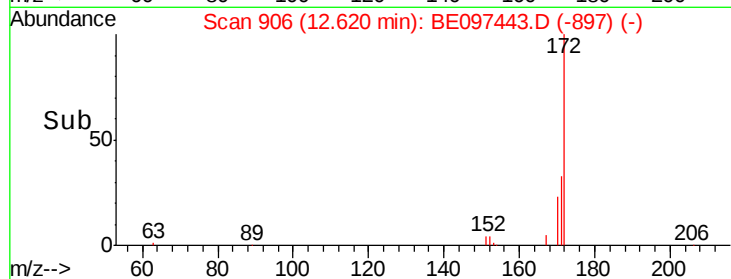
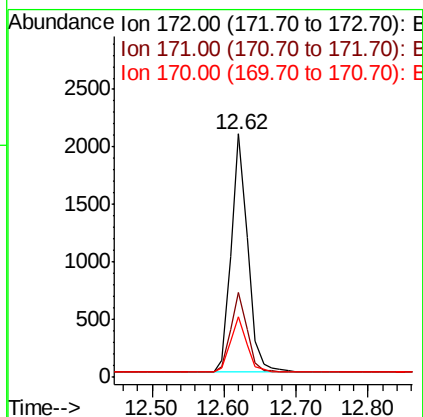
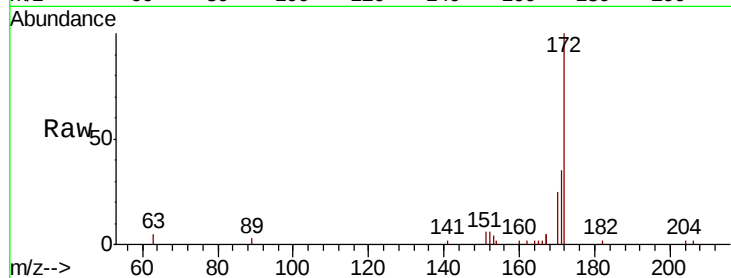




#15
2-Fluorobiphenyl
Concen: 0.388 ng
RT: 12.62 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097443.D
Acq: 10 Sep 2018 11:31

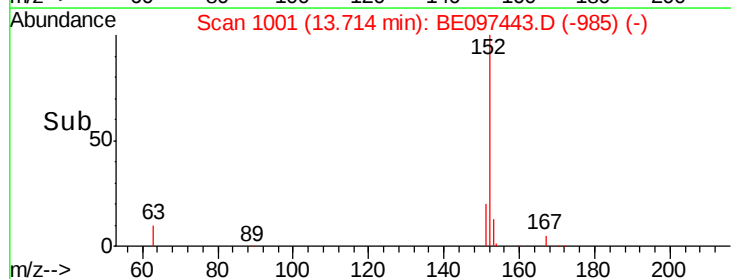
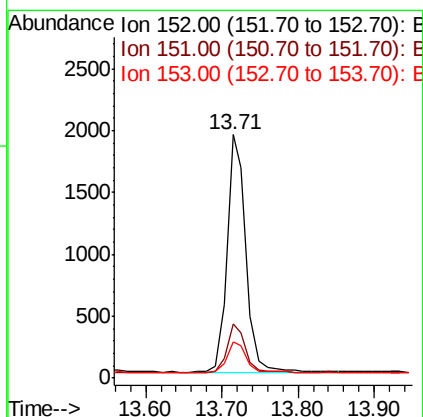
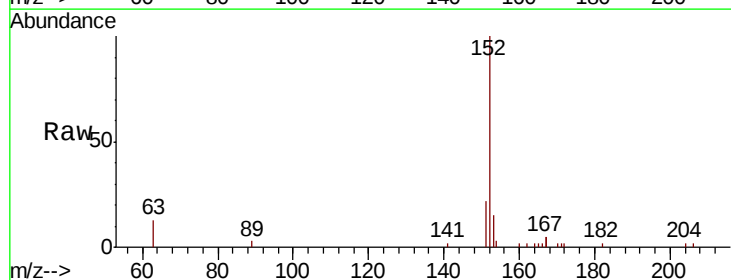
Instrument :
BNA_E
ClientSampled :

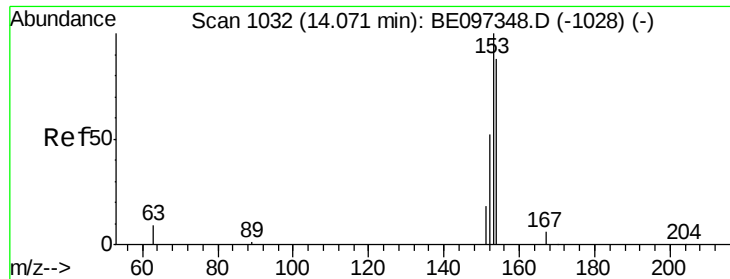
Tot Ion:172 Resp: 3335
Ion Ratio Lower Upper
172 100
171 35.0 29.9 44.9
170 25.1 21.8 32.8



#16
Acenaphthylene
Concen: 0.362 ng
RT: 13.71 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BE097443.D
Acq: 10 Sep 2018 11:31

Tgt Ion:152 Resp: 3370
Ion Ratio Lower Upper
152 100
151 20.1 15.7 23.5
153 12.6 10.5 15.7





#17

Acenaphthene

Concen: 0.354 ng

RT: 14.07 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BE097443.D

Acq: 10 Sep 2018 11:31

Instrument :

BNA_E

ClientSampleId :

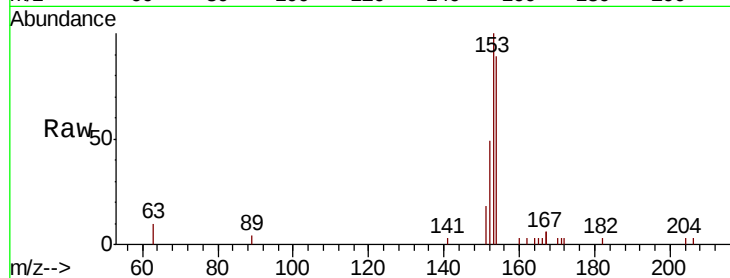
Tot Ion:154 Resp: 2199

Ion Ratio Lower Upper

154 100

153 115.9 89.2 133.8

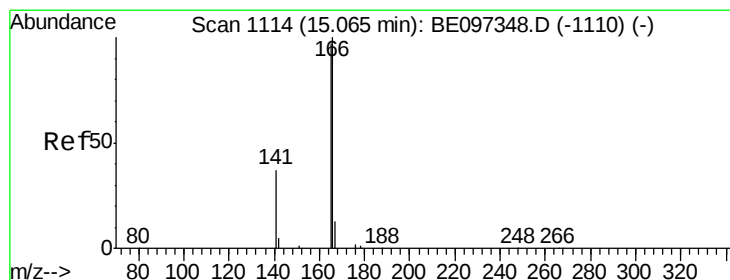
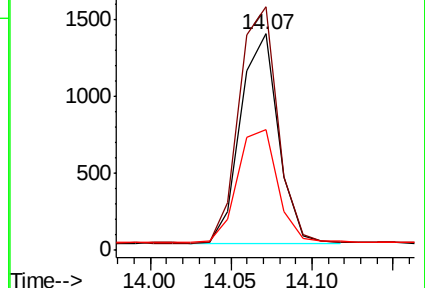
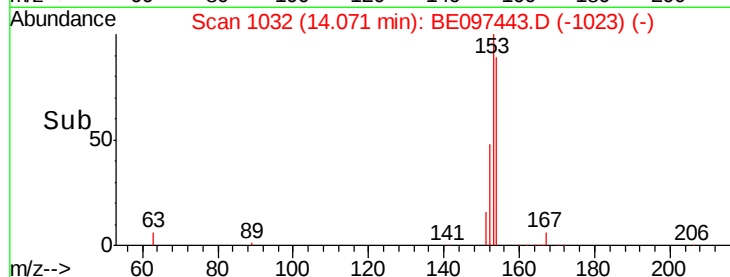
152 57.5 42.0 63.0



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: 0.347 ng

RT: 15.06 min Scan# 1114

Delta R.T. -0.00 min

Lab File: BE097443.D

Acq: 10 Sep 2018 11:31

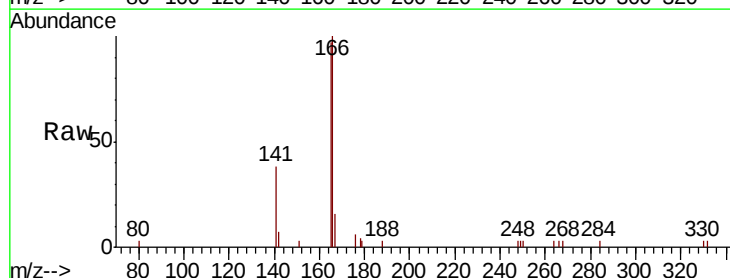
Tgt Ion:166 Resp: 2724

Ion Ratio Lower Upper

166 100

165 99.2 77.8 116.6

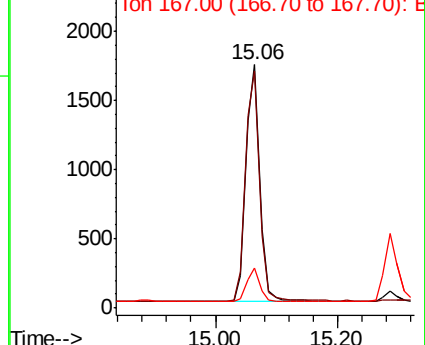
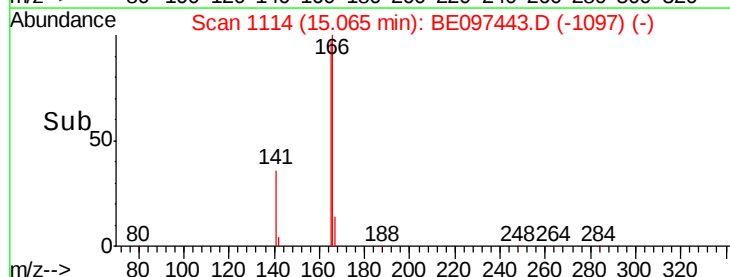
167 13.5 42.4 63.6#

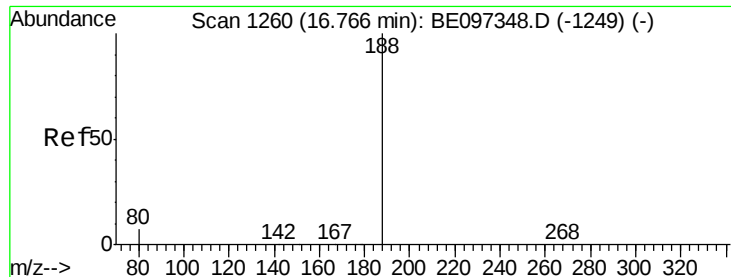


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.75 min Scan# 1259

Delta R.T. -0.01 min

Lab File: BE097443.D

Acq: 10 Sep 2018 11:31

Instrument :

BNA_E

ClientSampleId :

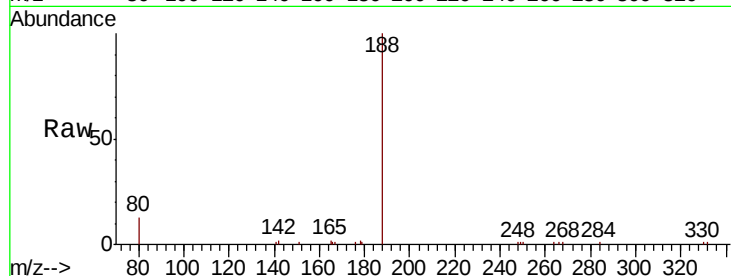
Tot Ion:188 Resp: 5642

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

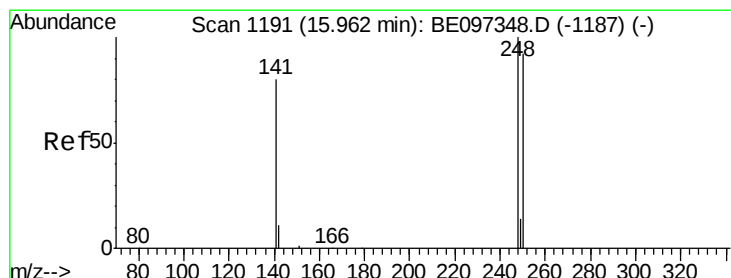
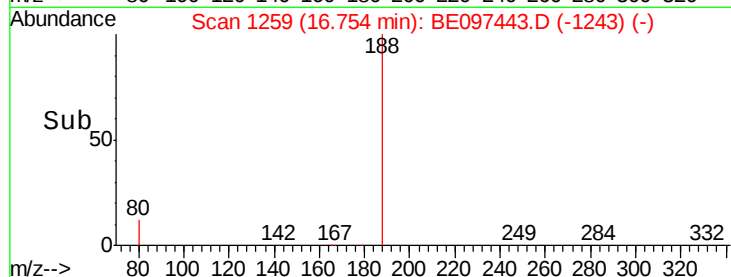
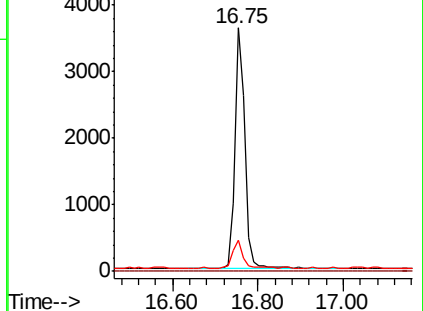
80 12.9 3.6 5.4#



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: 0.339 ng

RT: 15.96 min Scan# 1191

Delta R.T. -0.00 min

Lab File: BE097443.D

Acq: 10 Sep 2018 11:31

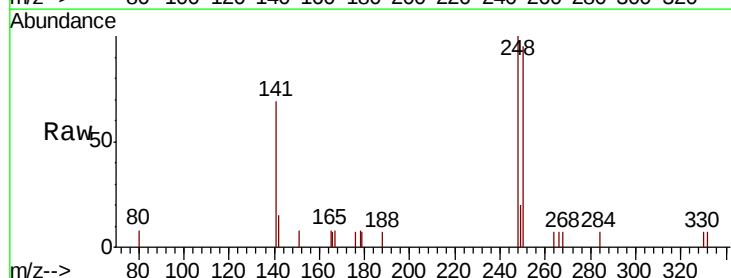
Tgt Ion:248 Resp: 870

Ion Ratio Lower Upper

248 100

250 95.4 62.7 94.1#

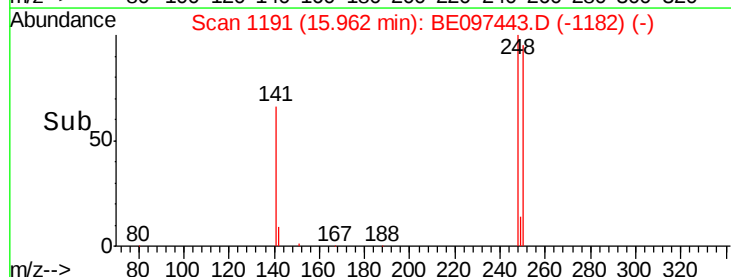
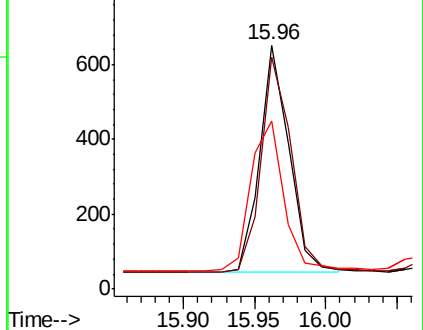
141 69.1 48.2 72.2

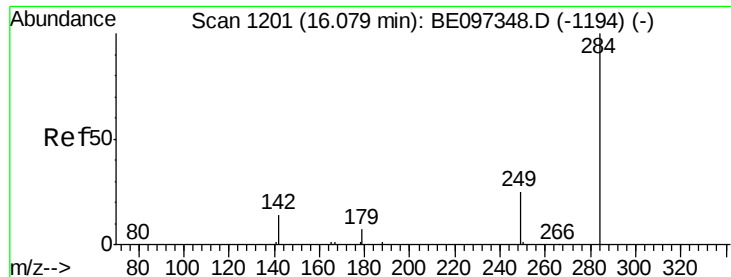


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

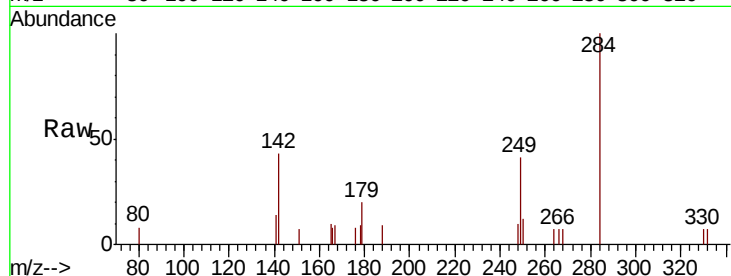




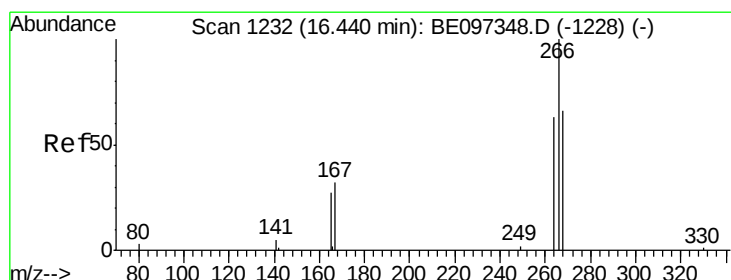
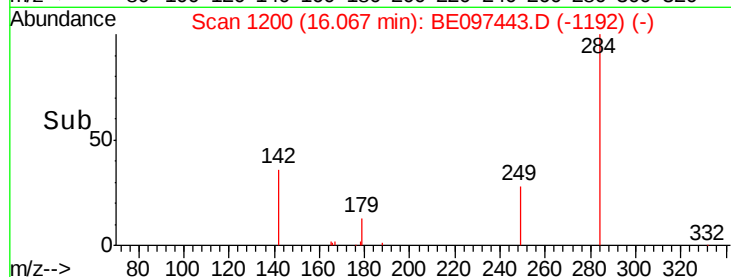
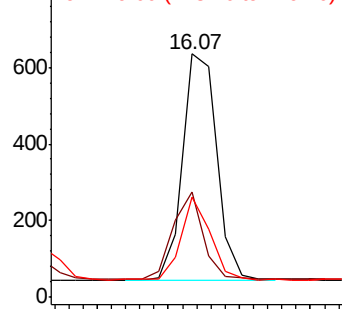
#21
Hexachlorobenzene
Concen: 0.345 ng
RT: 16.07 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BE097443.D
Acq: 10 Sep 2018 11:31

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 980
Ion Ratio Lower Upper
284 100
142 34.0 22.1 33.1#
249 30.9 34.8 52.2#

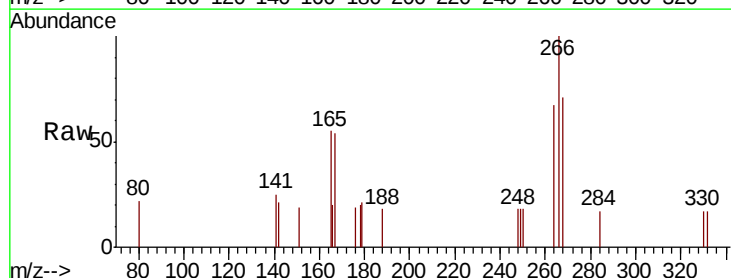


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

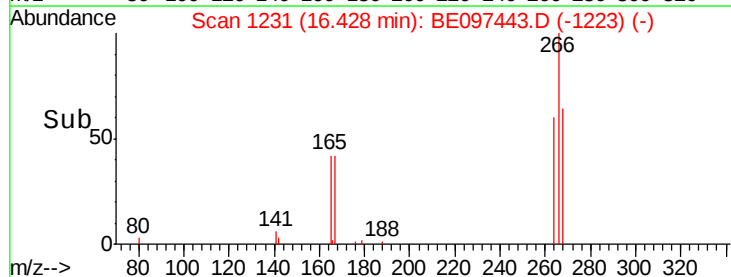
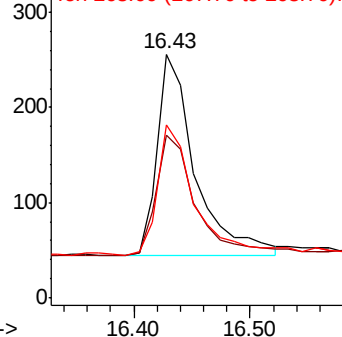


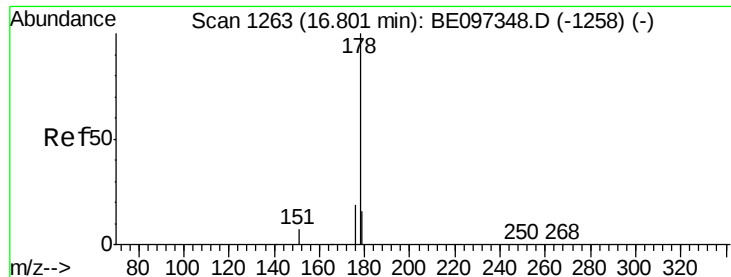
#22
Pentachlorophenol
Concen: 0.640 ng
RT: 16.43 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BE097443.D
Acq: 10 Sep 2018 11:31

Tgt Ion:266 Resp: 482
Ion Ratio Lower Upper
266 100
264 66.8 72.5 108.7#
268 71.1 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: 0.365 ng

RT: 16.80 min Scan# 1263

Delta R.T. -0.00 min

Lab File: BE097443.D

Acq: 10 Sep 2018 11:31

Instrument :

BNA_E

ClientSampleId :

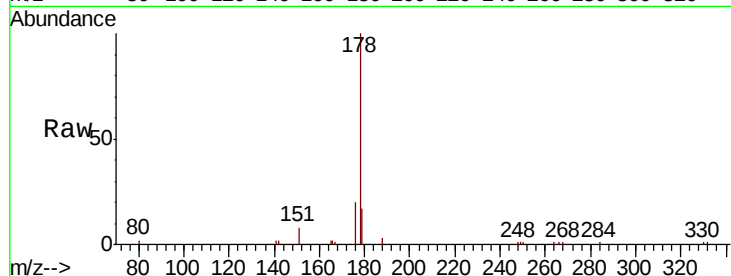
Tot Ion:178 Resp: 4907

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

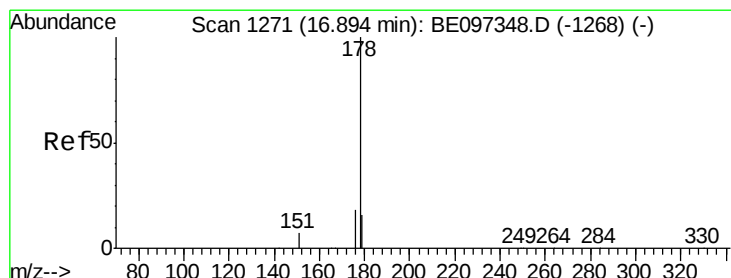
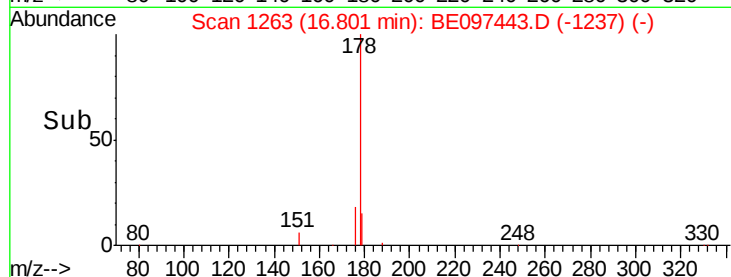
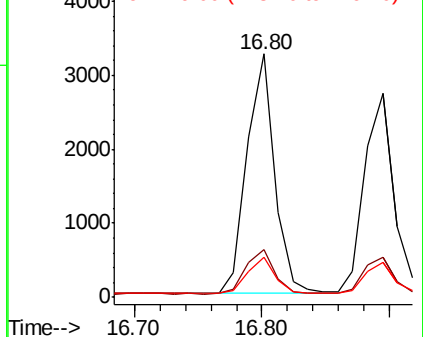
179 15.6 11.8 17.6



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: 0.377 ng

RT: 16.89 min Scan# 1271

Delta R.T. -0.00 min

Lab File: BE097443.D

Acq: 10 Sep 2018 11:31

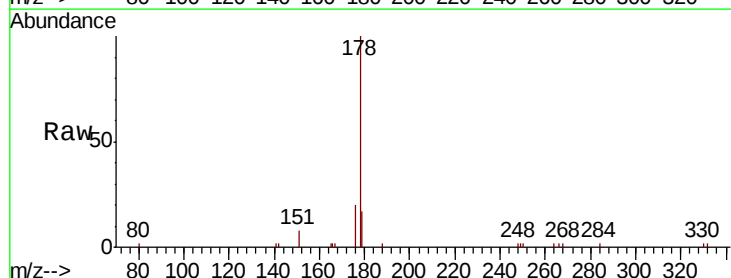
Tgt Ion:178 Resp: 4304

Ion Ratio Lower Upper

178 100

176 19.3 12.8 19.2#

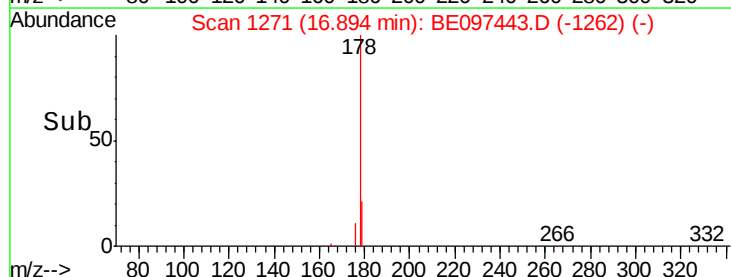
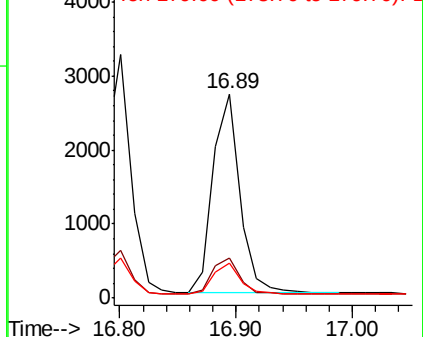
179 15.4 13.0 19.6

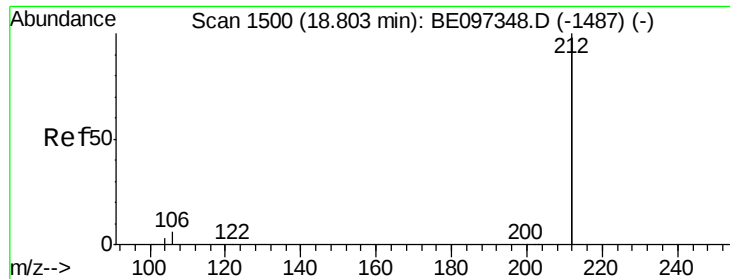


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.361 ng

RT: 18.80 min Scan# 1500

Delta R.T. -0.00 min

Lab File: BE097443.D

Acq: 10 Sep 2018 11:31

Instrument :

BNA_E

ClientSampleId :

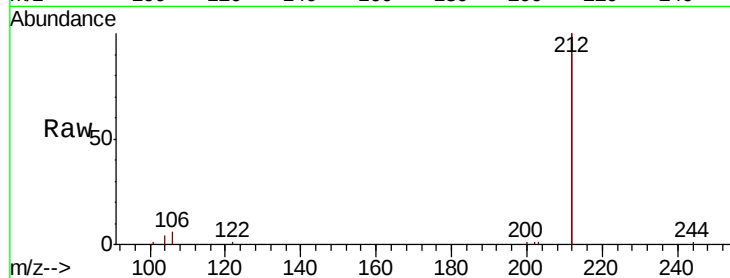
Tot Ion:212 Resp: 23346

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

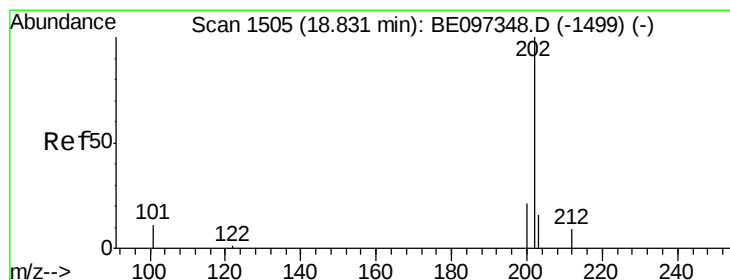
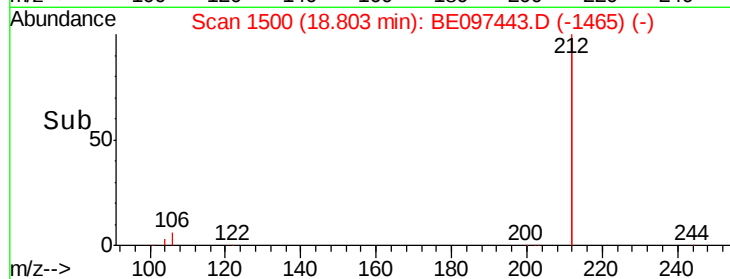
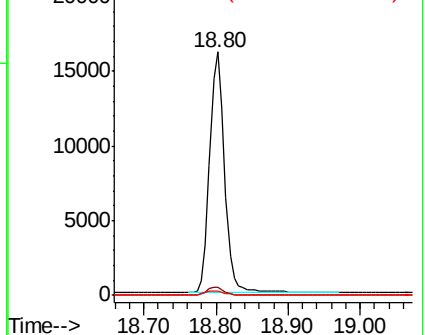
104 1.7 1.6 2.4



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: 0.355 ng

RT: 18.83 min Scan# 1505

Delta R.T. -0.00 min

Lab File: BE097443.D

Acq: 10 Sep 2018 11:31

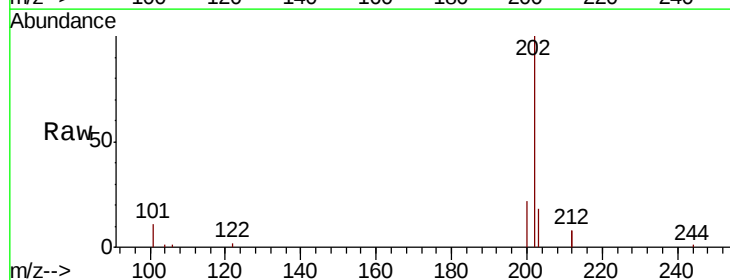
Tgt Ion:202 Resp: 5974

Ion Ratio Lower Upper

202 100

101 10.8 9.8 14.8

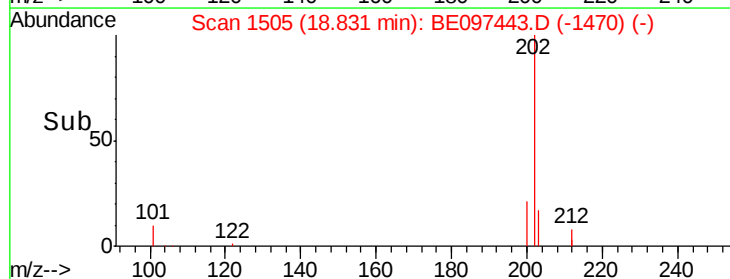
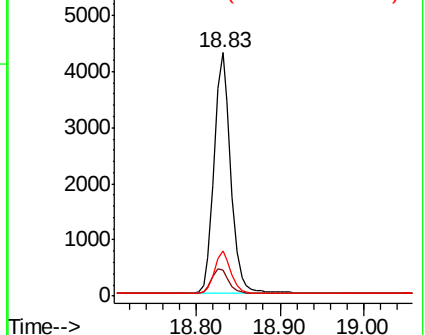
203 17.0 13.7 20.5

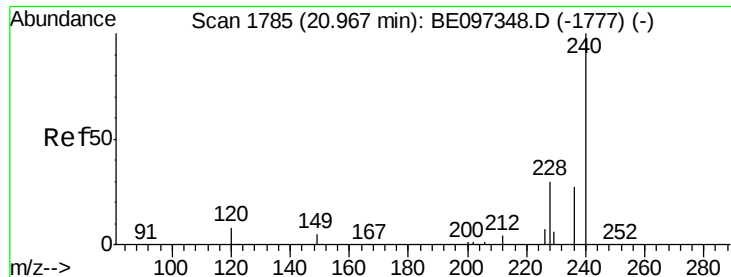


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

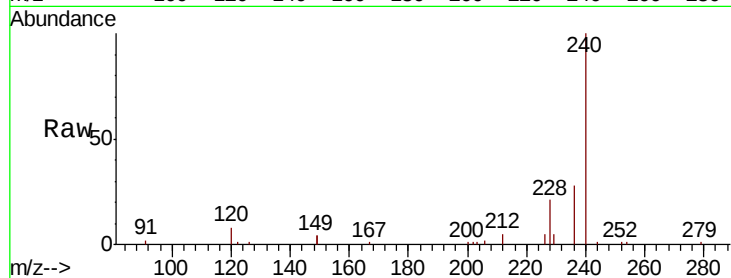




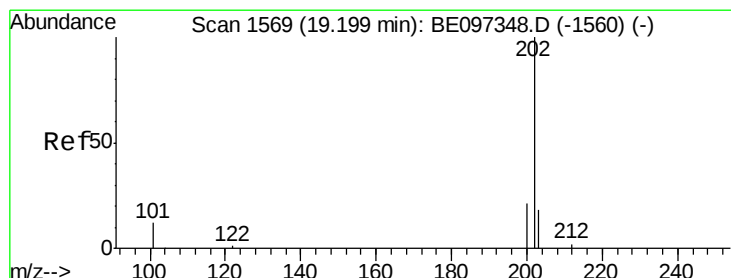
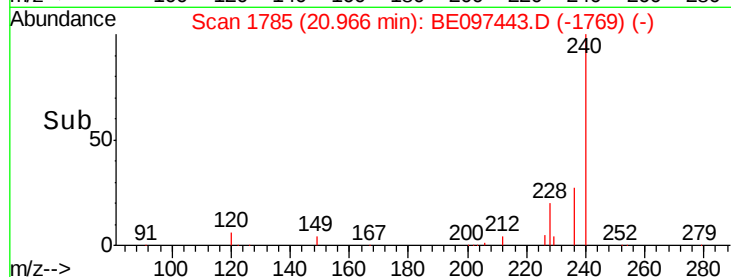
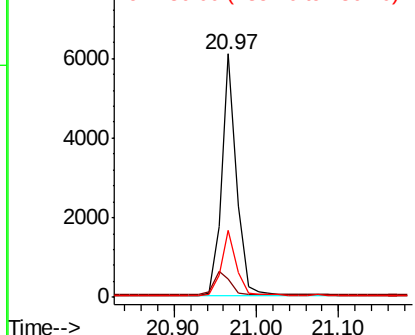
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.97 min Scan# 1785
Delta R.T. -0.00 min
Lab File: BE097443.D
Acq: 10 Sep 2018 11:31

Instrument :
BNA_E
ClientSampleId :

Tot Ion:240 Resp: 7719
Ion Ratio Lower Upper
240 100
120 7.6 5.5 8.3
236 27.7 20.7 31.1

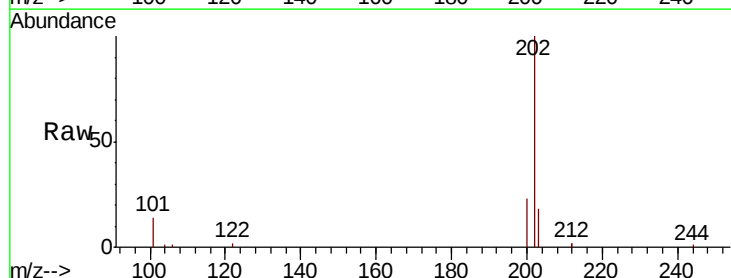


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

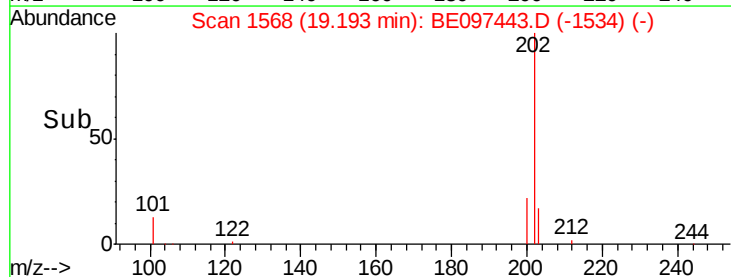
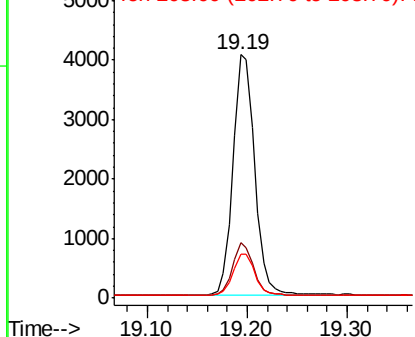


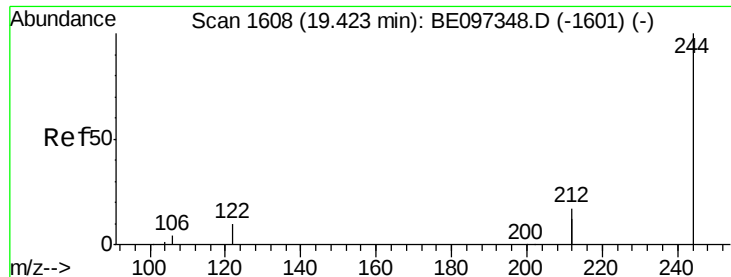
#28
Pyrene
Concen: 0.332 ng
RT: 19.19 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BE097443.D
Acq: 10 Sep 2018 11:31

Tgt Ion:202 Resp: 6093
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: 0.284 ng

RT: 19.42 min Scan# 1607

Delta R.T. -0.01 min

Lab File: BE097443.D

Acq: 10 Sep 2018 11:31

Instrument :

BNA_E

ClientSampleId :

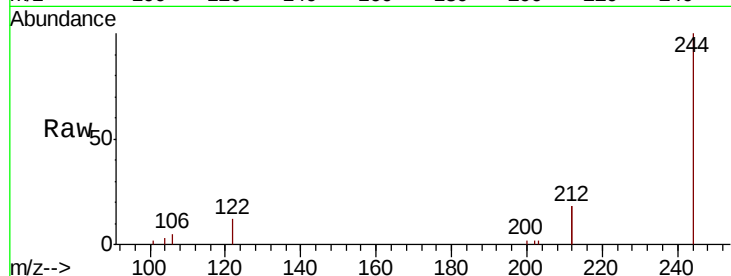
Tot Ion:244 Resp: 4050

Ion Ratio Lower Upper

244 100

212 35.1 25.4 38.0

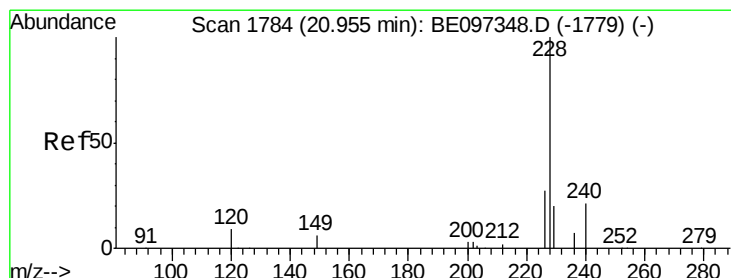
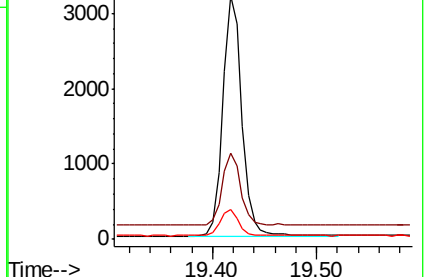
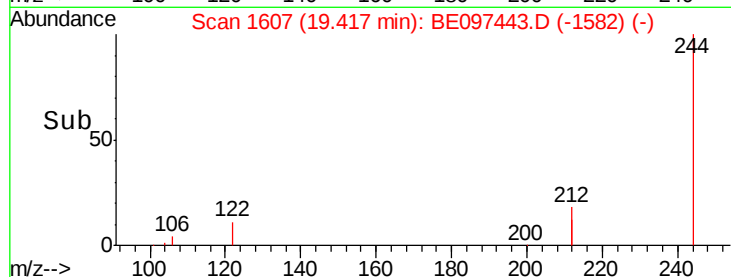
122 12.0 8.1 12.1



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: 0.385 ng

RT: 20.95 min Scan# 1784

Delta R.T. -0.00 min

Lab File: BE097443.D

Acq: 10 Sep 2018 11:31

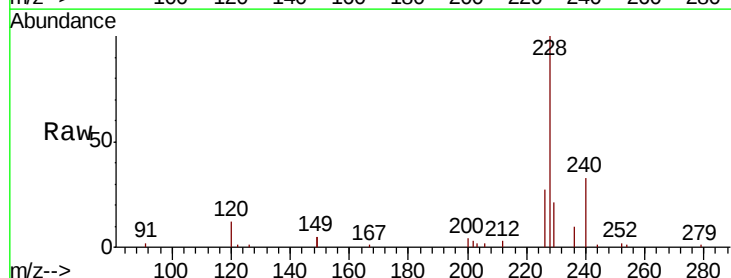
Tgt Ion:228 Resp: 7513

Ion Ratio Lower Upper

228 100

226 27.5 24.0 36.0

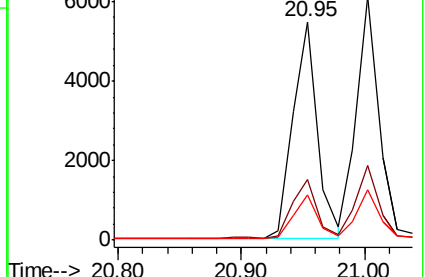
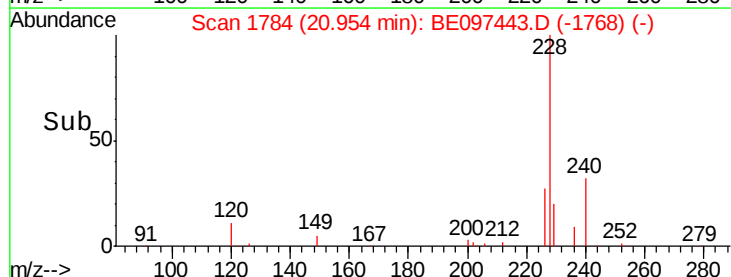
229 20.6 16.0 24.0

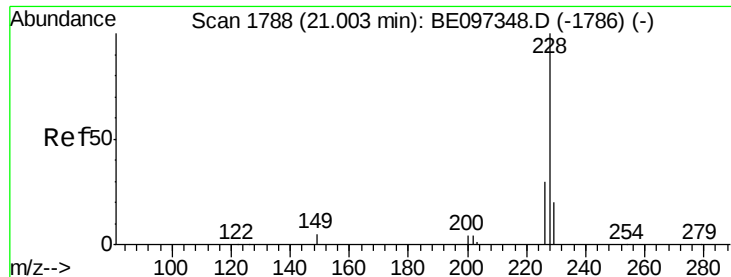


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.366 ng

RT: 21.00 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BE097443.D

Acq: 10 Sep 2018 11:31

Instrument :

BNA_E

ClientSampled :

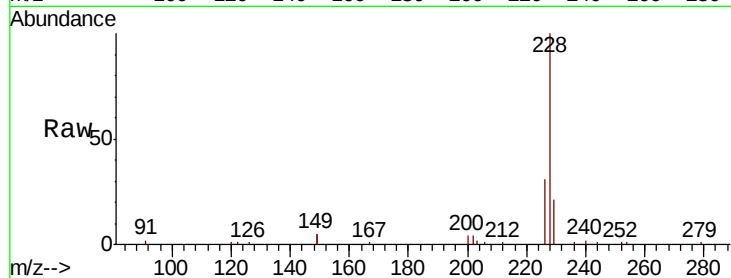
Tot Ion:228 Resp: 7695

Ion Ratio Lower Upper

228 100

226 30.9 24.0 36.0

229 20.5 16.0 24.0

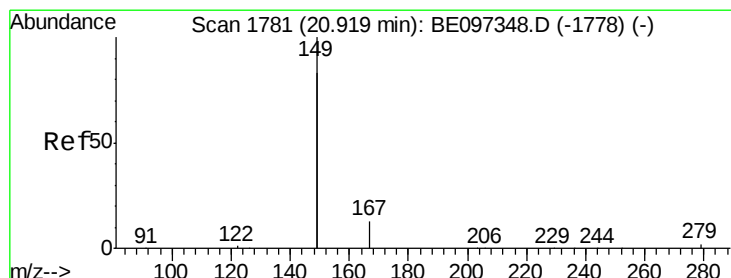
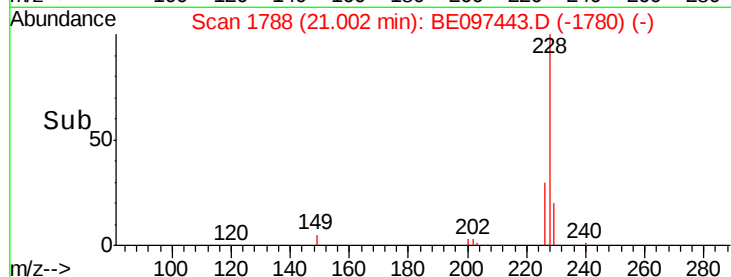
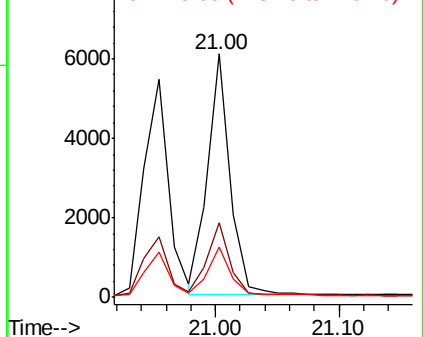


Abundance

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: 0.428 ng

RT: 20.91 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BE097443.D

Acq: 10 Sep 2018 11:31

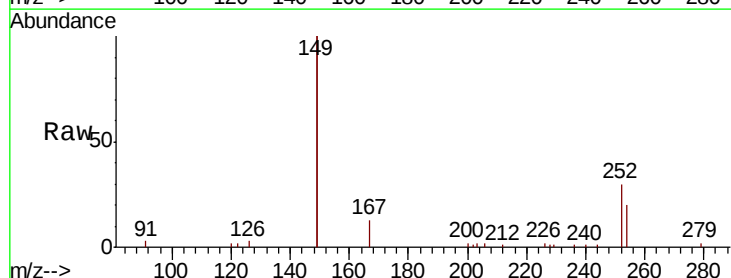
Tgt Ion:149 Resp: 9570

Ion Ratio Lower Upper

149 100

167 6.5 5.4 8.0

279 1.0 0.7 1.1

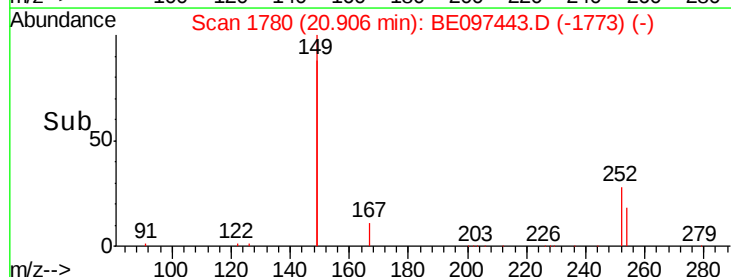
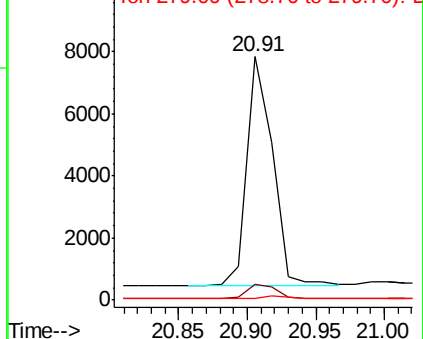


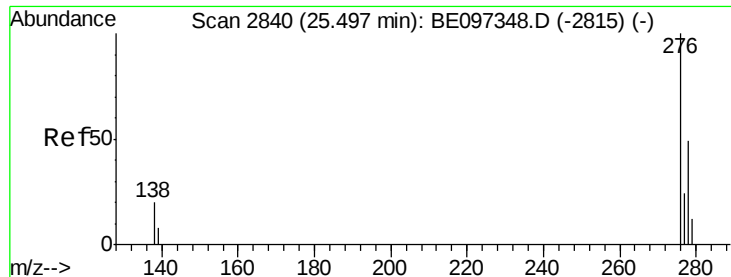
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

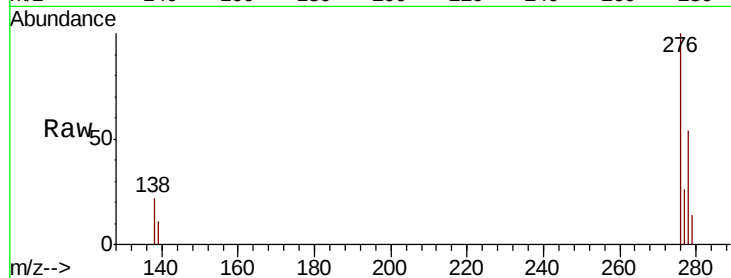




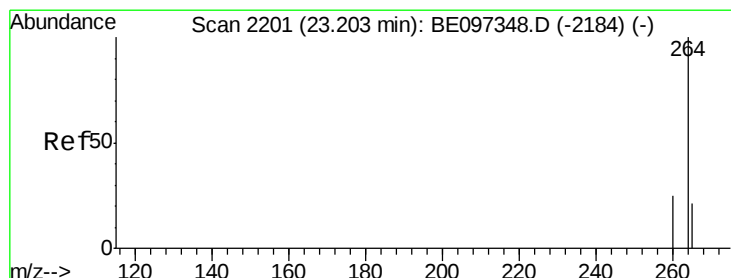
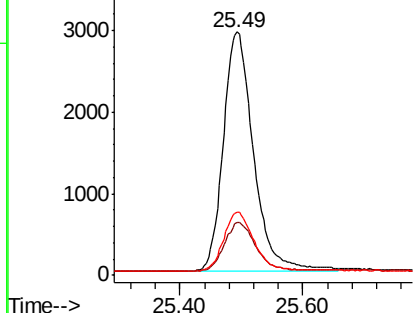
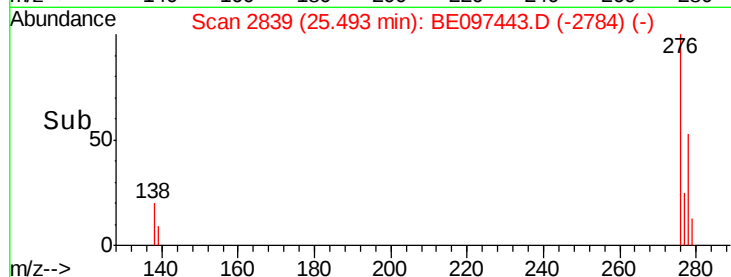
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.377 ng
 RT: 25.49 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: BE097443.D
 Acq: 10 Sep 2018 11:31

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 10050
 Ion Ratio Lower Upper
 276 100
 138 20.7 22.5 33.7#
 277 24.6 19.9 29.9

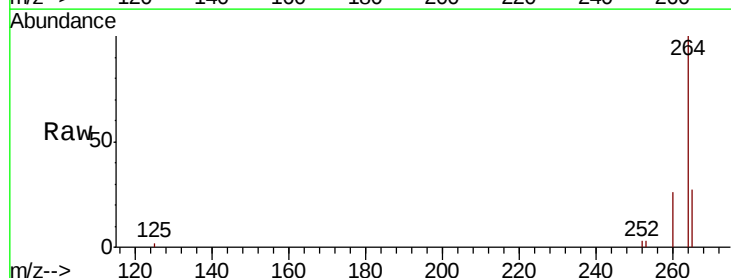


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

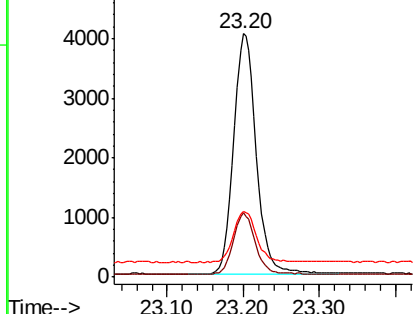
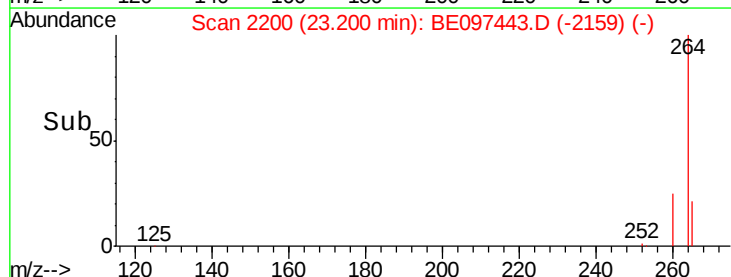


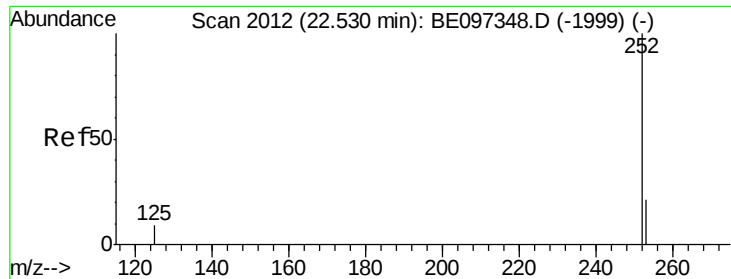
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.20 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: BE097443.D
 Acq: 10 Sep 2018 11:31

Tgt Ion:264 Resp: 8372
 Ion Ratio Lower Upper
 264 100
 260 26.3 20.5 30.7
 265 26.8 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

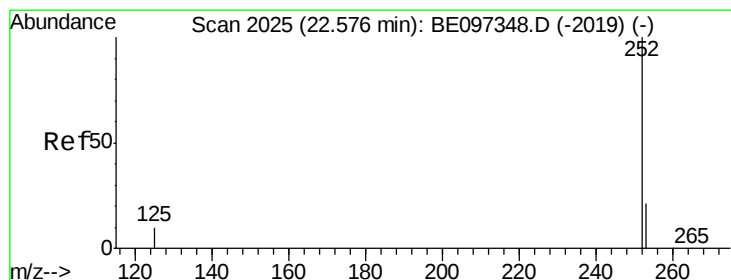
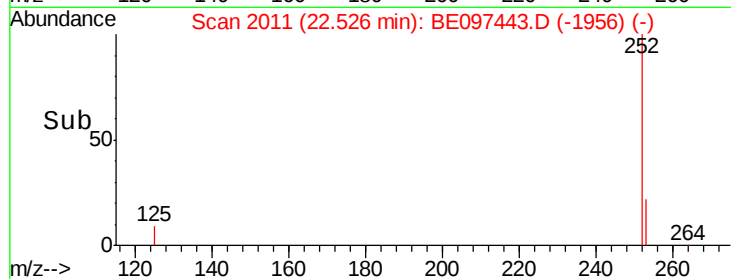
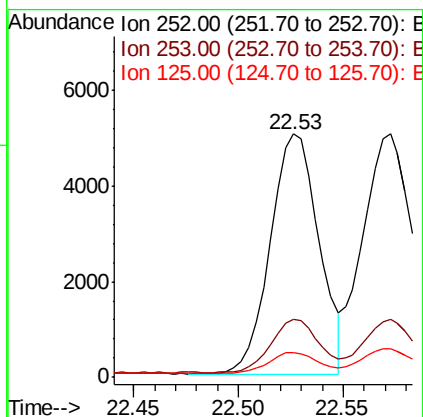
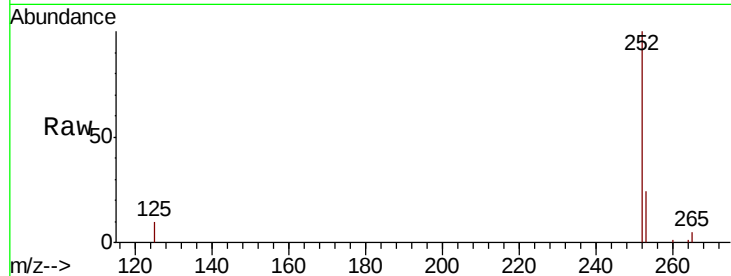




#35
Benzo(b)fluoranthene
Concen: 0.362 ng
RT: 22.53 min Scan# 2011
Delta R.T. -0.00 min
Lab File: BE097443.D
Acq: 10 Sep 2018 11:31

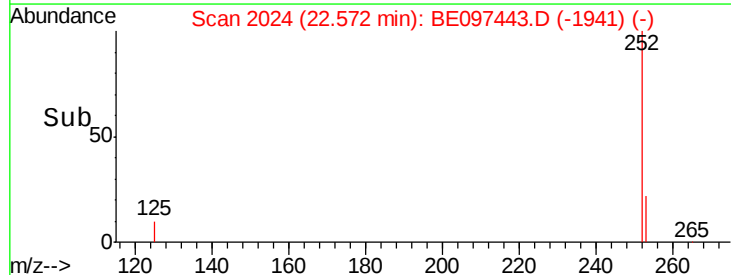
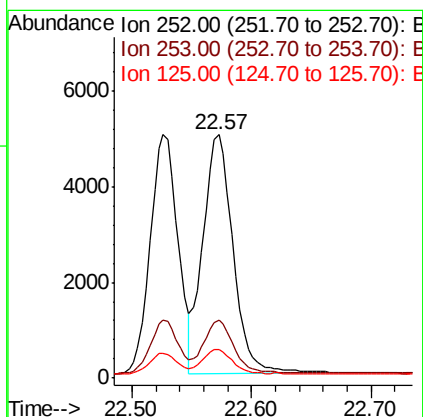
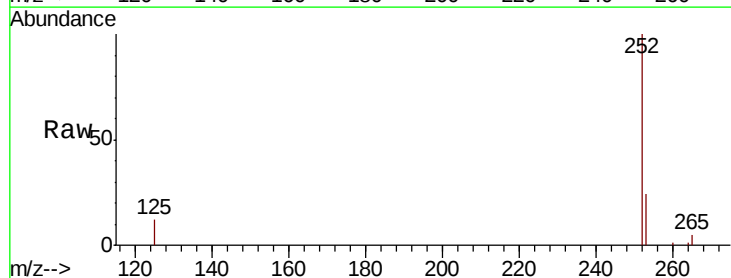
Instrument :
BNA_E
ClientSampleId :

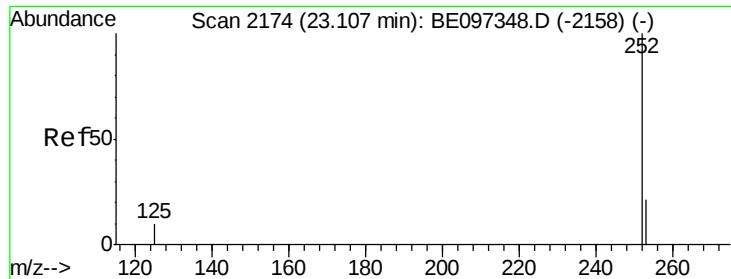
Tot Ion:252 Resp: 8076
Ion Ratio Lower Upper
252 100
253 24.1 20.0 30.0
125 10.4 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.354 ng
RT: 22.57 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BE097443.D
Acq: 10 Sep 2018 11:31

Tgt Ion:252 Resp: 8734
Ion Ratio Lower Upper
252 100
253 23.8 16.0 24.0
125 11.8 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.369 ng

RT: 23.10 min Scan# 2173

Delta R.T. -0.00 min

Lab File: BE097443.D

Acq: 10 Sep 2018 11:31

Instrument :

BNA_E

ClientSampleId :

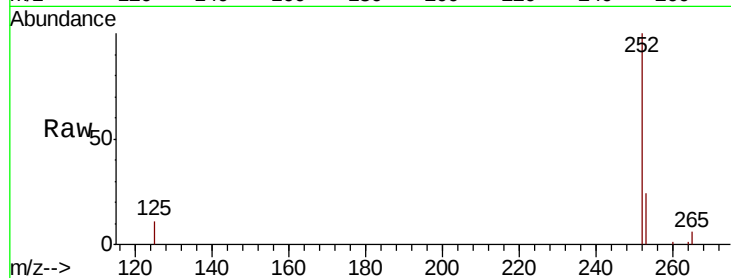
Tot Ion:252 Resp: 7979

Ion Ratio Lower Upper

252 100

253 24.0 16.0 24.0#

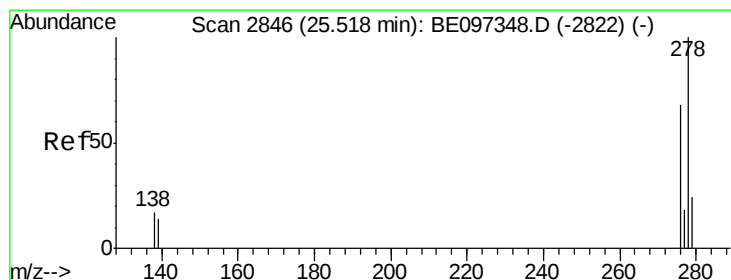
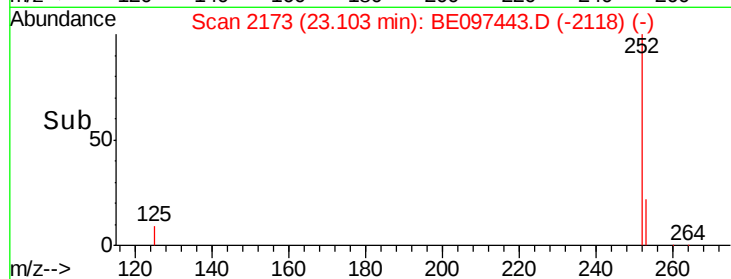
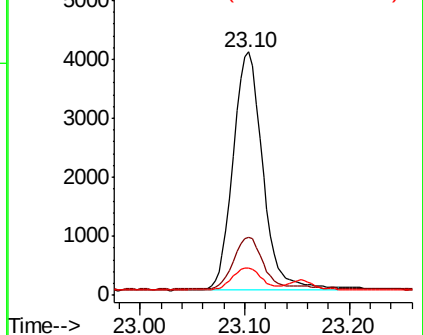
125 11.5 12.0 18.0#



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: 0.321 ng

RT: 25.51 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BE097443.D

Acq: 10 Sep 2018 11:31

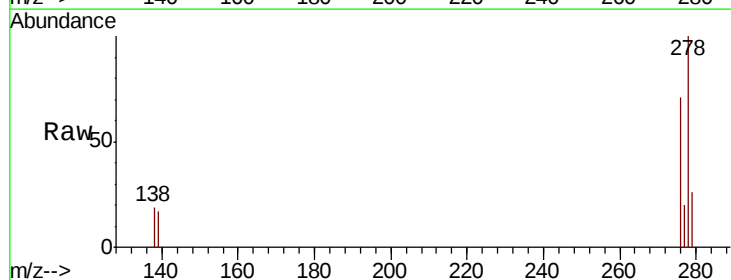
Tgt Ion:278 Resp: 8348

Ion Ratio Lower Upper

278 100

139 16.5 16.0 24.0

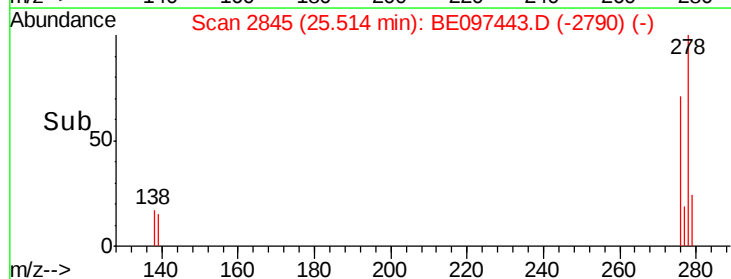
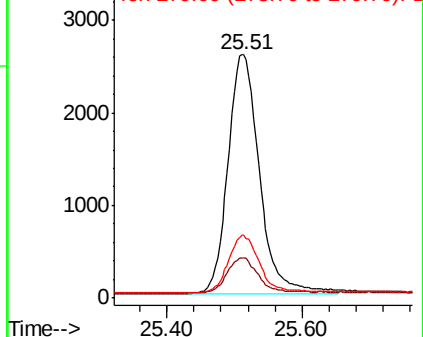
279 26.1 20.0 30.0

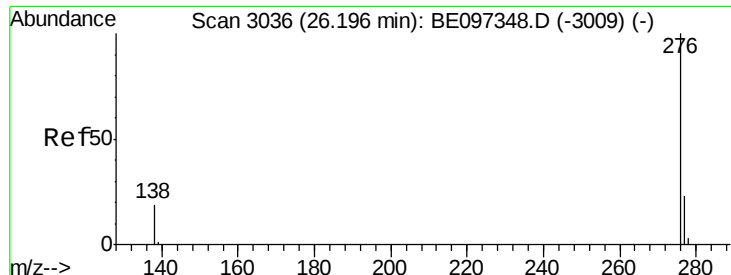


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.316 ng

RT: 26.19 min Scan# 3035

Delta R.T. -0.00 min

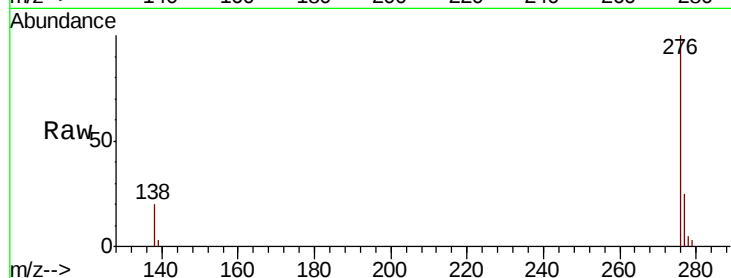
Lab File: BE097443.D

Acq: 10 Sep 2018 11:31

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 8521

Ion Ratio Lower Upper

276 100

277 25.3 16.0 24.0#

138 19.8 20.0 30.0#

