

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100518\
 Data File : BE097784.D
 Acq On : 6 Oct 2018 10:01
 Operator : SJ/JU
 Sample : PB113550BS
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB113550BS

Quant Time: Oct 08 06:39:28 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE100318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 06:37:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	5347	0.40	ng	-0.01
7) Naphthalene-d8	10.69	136	20341	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	9601	0.40	ng	-0.01
19) Phenanthrene-d10	17.29	188	22026	0.40	ng	-0.01
27) Chrysene-d12	21.47	240	23579	0.40	ng	-0.01
34) Perylene-d12	24.02	264	25855	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.47	112	5515	0.44	ng	0.00
5) Phenol-d6	7.04	99	7553	0.39	ng	0.00
8) Nitrobenzene-d5	9.04	82	4961	0.75	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	16196	0.50	ng	-0.01
14) 2,4,6-Tribromophenol	16.03	330	818	0.47	ng	-0.01
15) 2-Fluorobiphenyl	13.17	172	17805	0.42	ng	-0.01
25) Fluoranthene-d10	19.33	212	100566	0.36	ng	0.00
29) Terphenyl-d14	19.92	244	18226	0.38	ng	-0.01

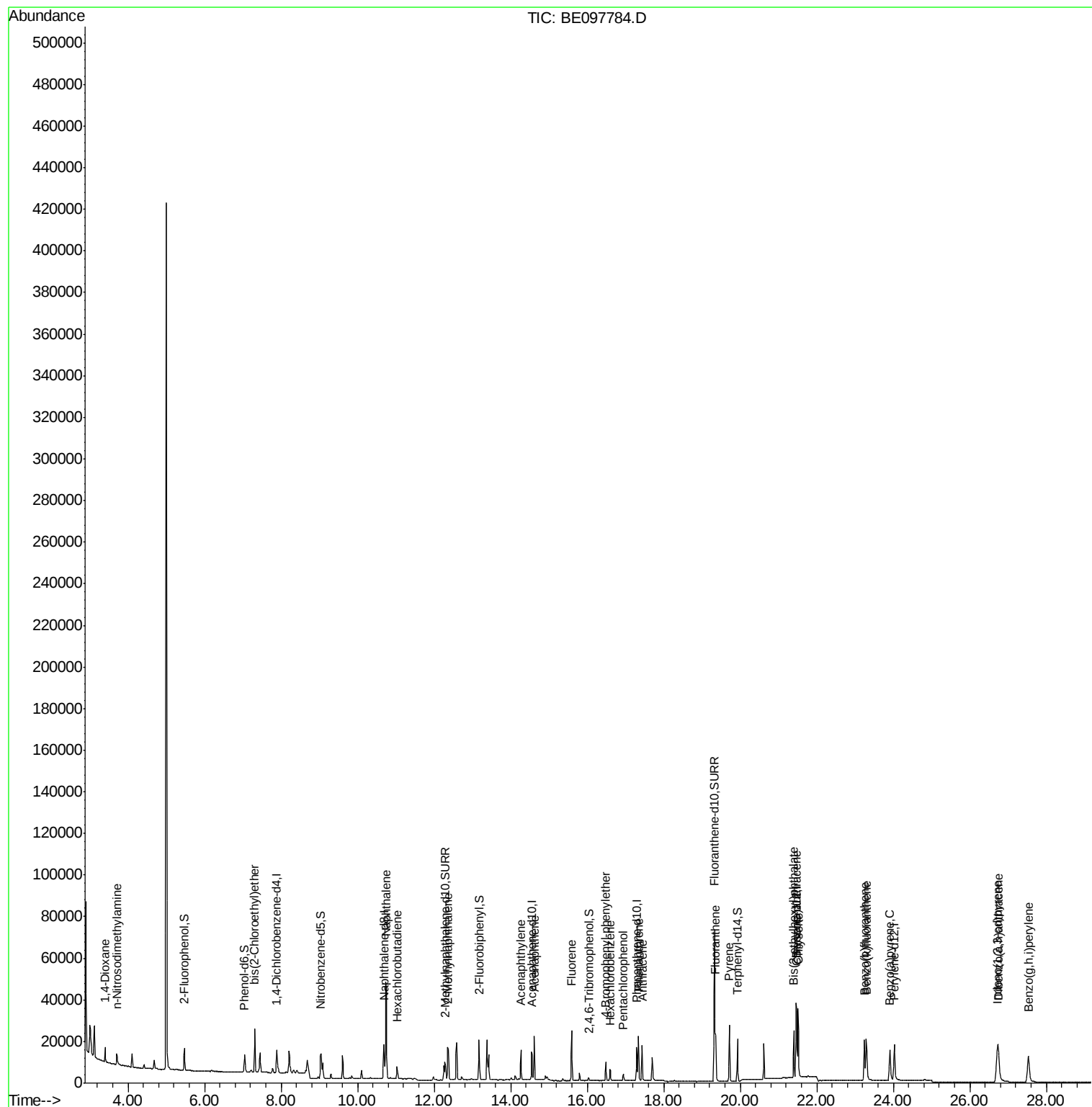
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.40	88	3947	0.370	ng	# 95
3) n-Nitrosodimethylamine	3.70	42	3707	0.382	ng	# 84
6) bis(2-Chloroethyl)ether	7.31	93	7130	0.355	ng	98
9) Naphthalene	10.73	128	83883	0.409	ng	100
10) Hexachlorobutadiene	11.03	225	4091	0.376	ng	97
12) 2-Methylnaphthalene	12.37	142	13255	0.404	ng	99
16) Acenaphthylene	14.27	152	16617	0.391	ng	99
17) Acenaphthene	14.62	154	10680	0.392	ng	99
18) Fluorene	15.59	166	13895	0.384	ng	99
20) 4-Bromophenyl-phenylether	16.49	248	4584	0.397	ng	# 93
21) Hexachlorobenzene	16.60	284	4765	0.367	ng	96
22) Pentachlorophenol	16.94	266	1822	0.893	ng	93
23) Phenanthrene	17.34	178	23530	0.415	ng	99
24) Anthracene	17.43	178	19748	0.403	ng	99
26) Fluoranthene	19.35	202	26725	0.370	ng	99
28) Pyrene	19.72	202	26536	0.443	ng	99
30) Benzo(a)anthracene	21.46	228	27524	0.434	ng	99
31) Chrysene	21.51	228	31116	0.439	ng	99
32) Bis(2-ethylhexyl)phthalate	21.40	149	22938	0.495	ng	99
33) Indeno(1,2,3-cd)pyrene	26.71	276	36289	0.590	ng	99
35) Benzo(b)fluoranthene	23.25	252	28390	0.400	ng	98
36) Benzo(k)fluoranthene	23.30	252	32171	0.409	ng	99
37) Benzo(a)pyrene	23.91	252	26994	0.420	ng	99
38) Dibenzo(a,h)anthracene	26.74	278	30769	0.486	ng	97
39) Benzo(g,h,i)perylene	27.53	276	33459	0.505	ng	99

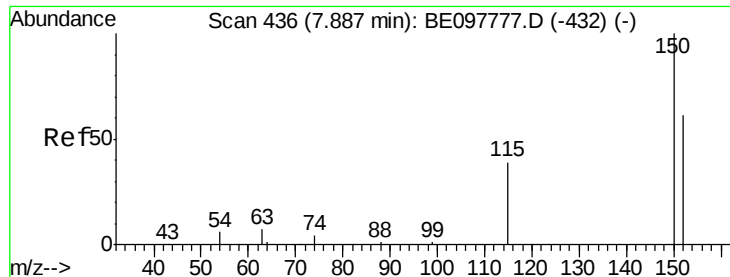
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.88 min Scan# 436

Delta R.T. -0.01 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

Instrument :

BNA_E

ClientSampleId :

PB113550BS

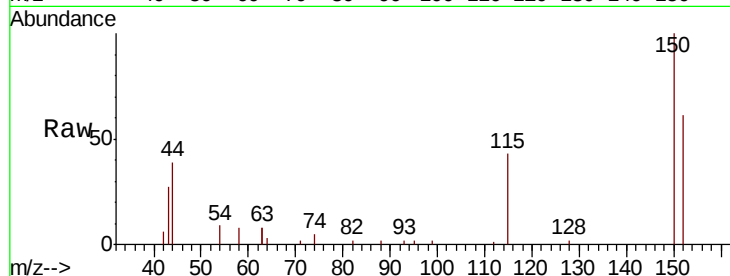
Tot Ion:152 Resp: 5347

Ion Ratio Lower Upper

152 100

150 162.7 120.9 181.3

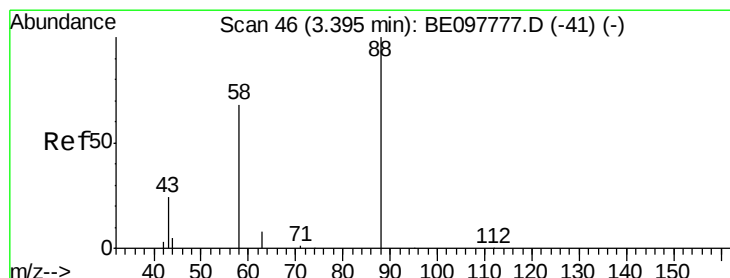
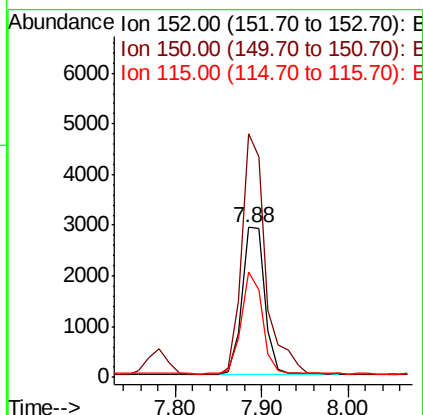
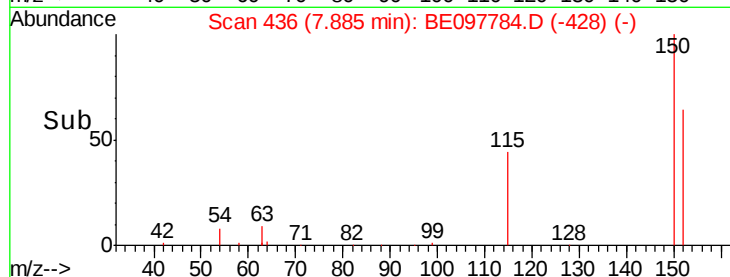
115 70.2 46.6 69.8#



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: 0.370 ng

RT: 3.40 min Scan# 47

Delta R.T. 0.01 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

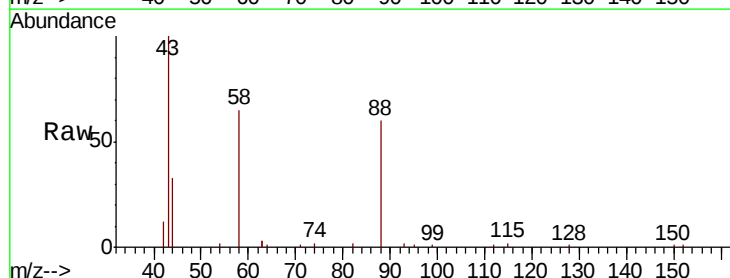
Tgt Ion: 88 Resp: 3947

Ion Ratio Lower Upper

88 100

58 88.7 70.8 106.2

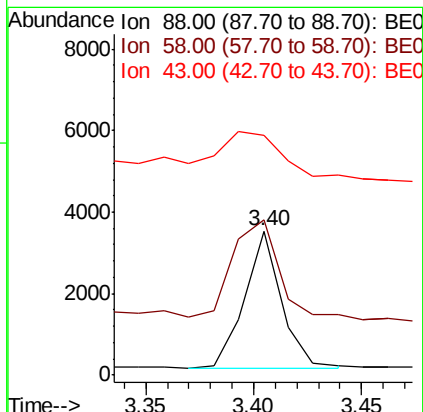
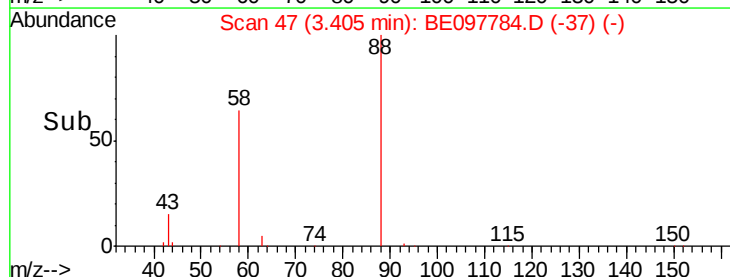
43 51.9 33.3 49.9#

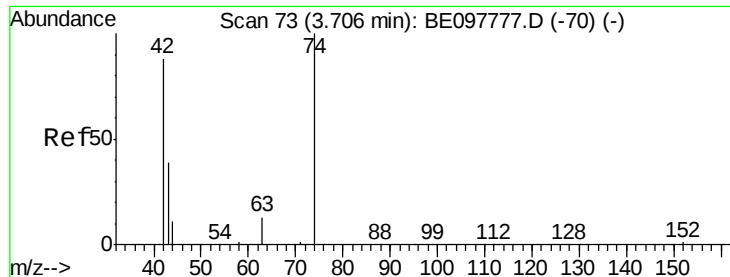


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.382 ng

RT: 3.70 min Scan# 73

Delta R.T. -0.00 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

Instrument :

BNA_E

ClientSampleId :

PB113550BS

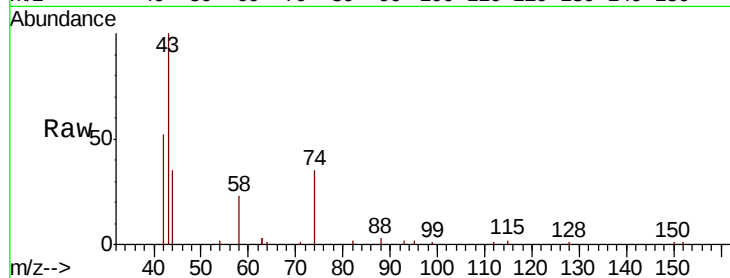
Tot Ion: 42 Resp: 3707

Ion Ratio Lower Upper

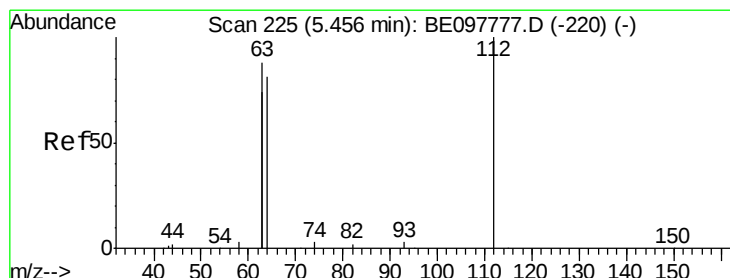
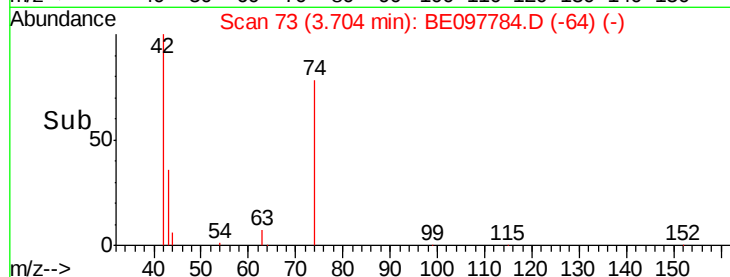
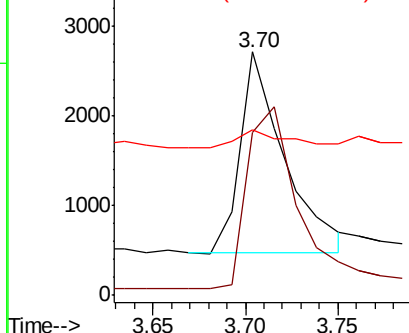
42 100

74 102.3 70.7 106.1

44 8.8 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: 0.436 ng

RT: 5.47 min Scan# 226

Delta R.T. -0.00 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

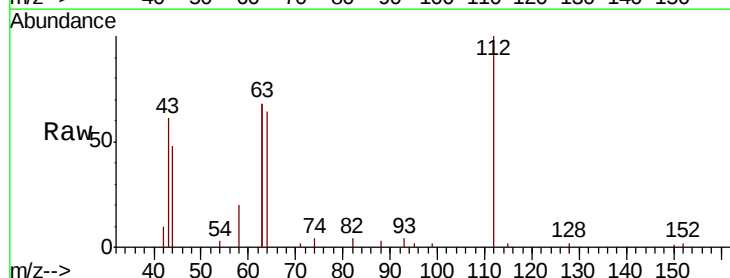
Tgt Ion: 112 Resp: 5515

Ion Ratio Lower Upper

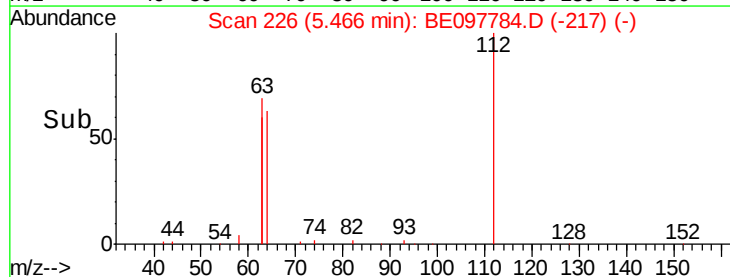
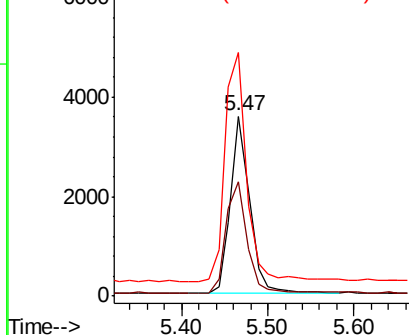
112 100

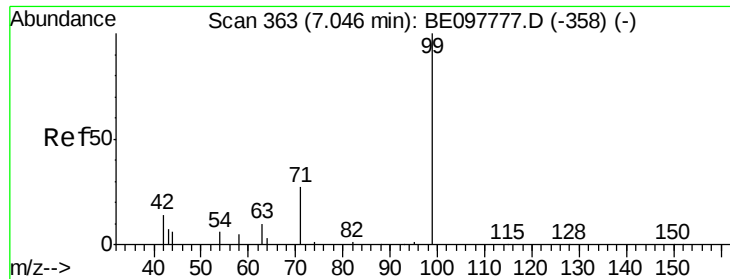
64 69.3 56.6 84.8

63 146.9 119.4 179.0



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: 0.390 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

Instrument :

BNA_E

ClientSampleId :

PB113550BS

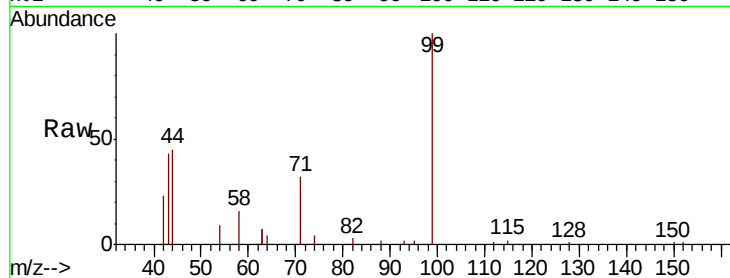
Tot Ion: 99 Resp: 7553

Ion Ratio Lower Upper

99 100

42 25.9 19.9 29.9

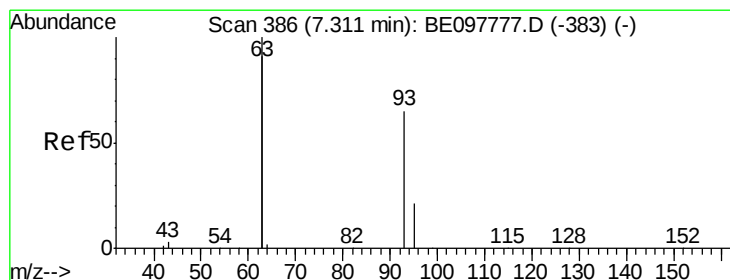
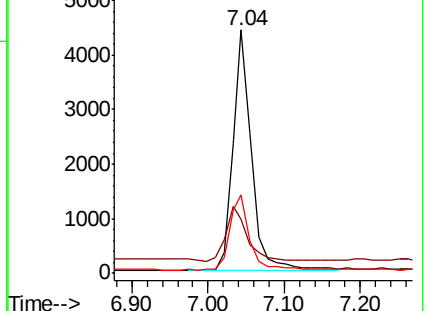
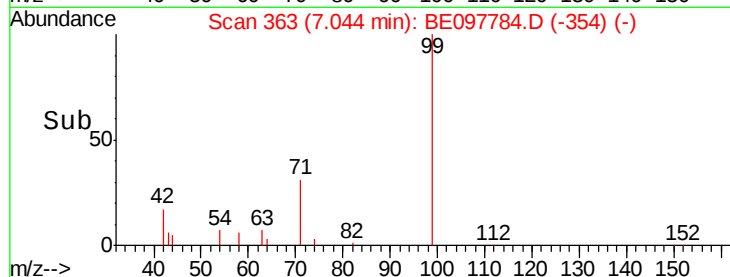
71 33.5 25.4 38.2



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: 0.355 ng

RT: 7.31 min Scan# 386

Delta R.T. -0.00 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

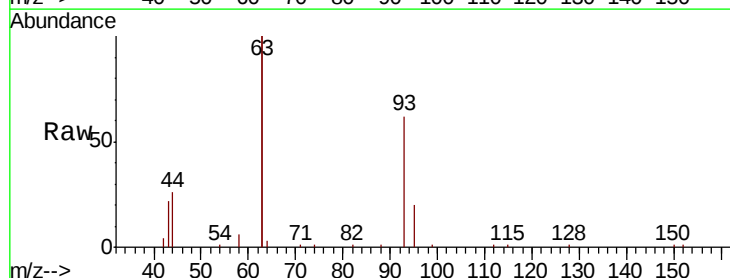
Tgt Ion: 93 Resp: 7130

Ion Ratio Lower Upper

93 100

63 338.8 266.9 400.3

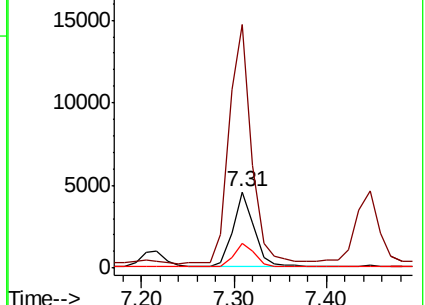
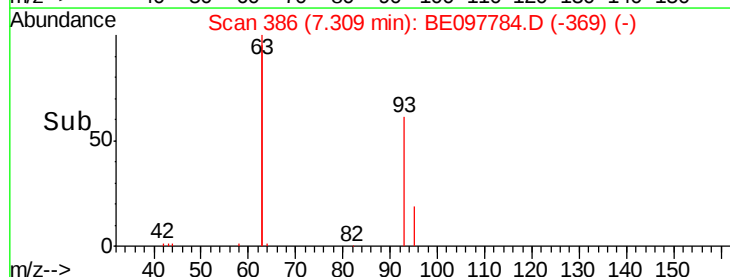
95 33.1 26.2 39.2

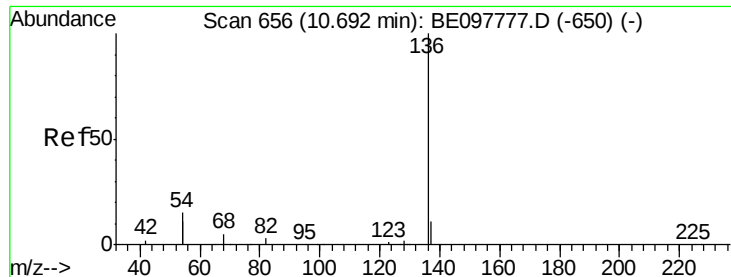


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE097784.D

Acq: 6 Oct 2018 10:01

Instrument :

BNA_E

ClientSampleId :

PB113550BS

Tot Ion:136 Resp: 20341

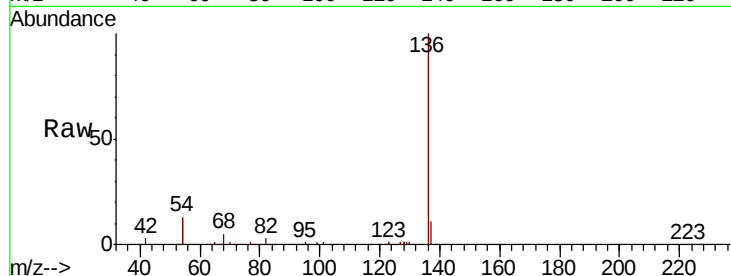
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 25.8 37.8 56.6#

68 5.1 6.4 9.6#

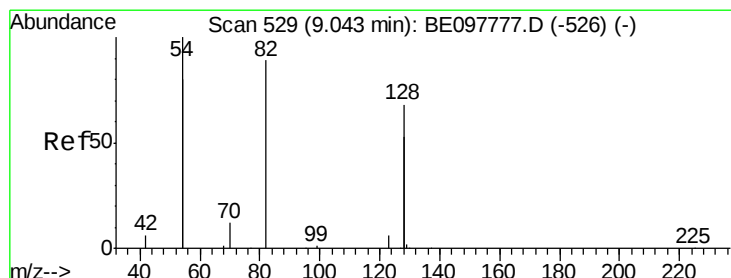
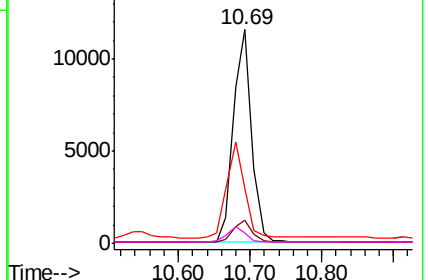
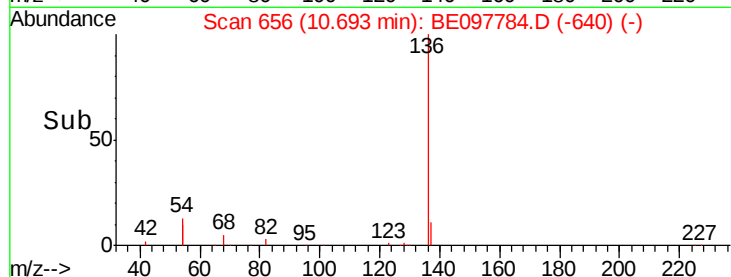


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.751 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.00 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

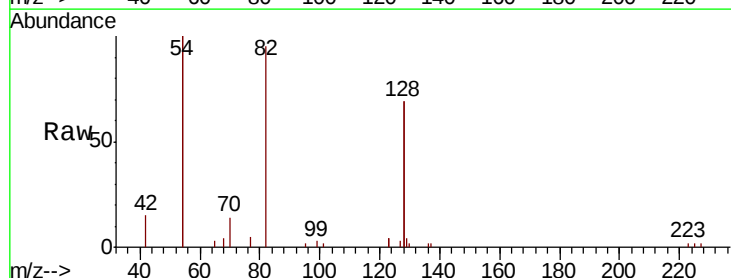
Tgt Ion: 82 Resp: 4961

Ion Ratio Lower Upper

82 100

128 145.6 97.0 145.4#

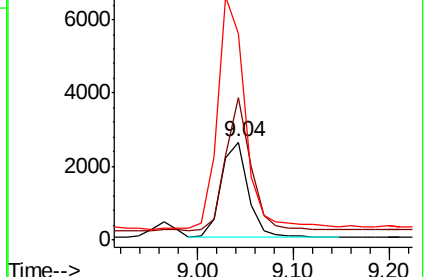
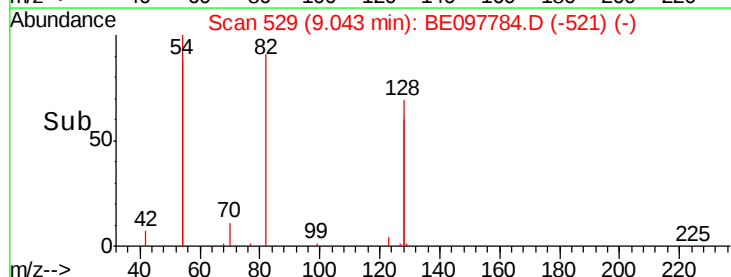
54 211.0 206.9 310.3

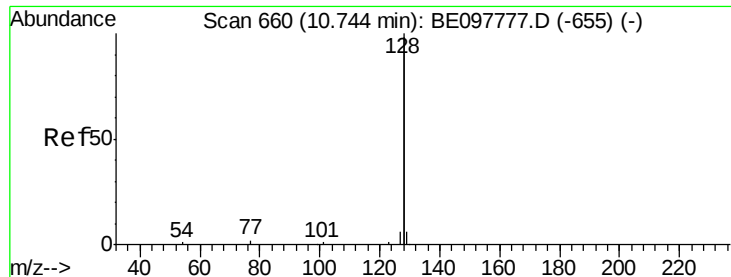


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.409 ng

RT: 10.73 min Scan# 659

Delta R.T. -0.01 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

Instrument :

BNA_E

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PB113550BS

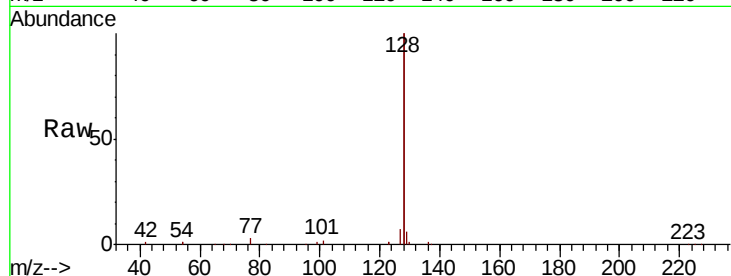
Tot Ion:128 Resp: 83883

Ion Ratio Lower Upper

128 100

129 2.8 2.2 3.2

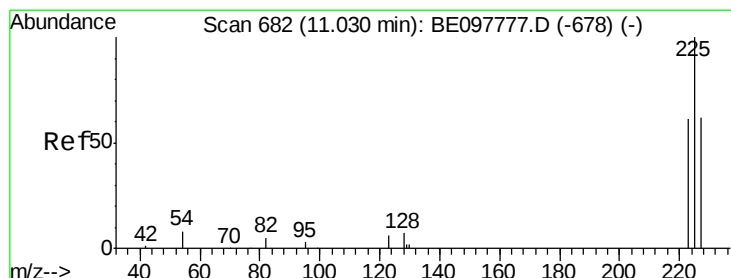
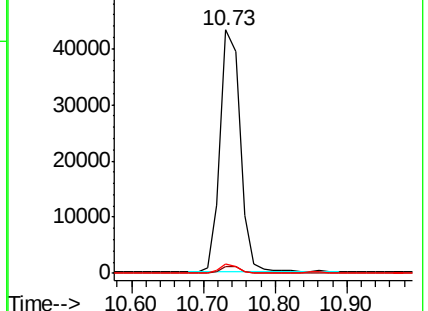
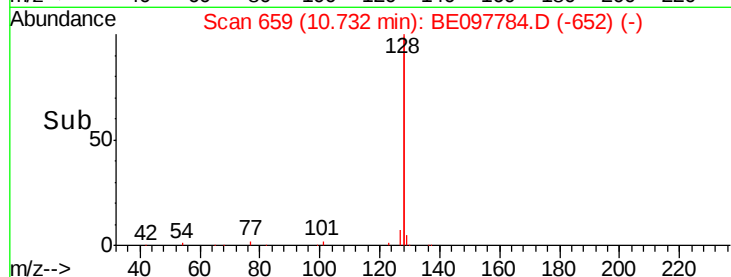
127 3.6 2.7 4.1



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: 0.376 ng

RT: 11.03 min Scan# 682

Delta R.T. -0.01 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

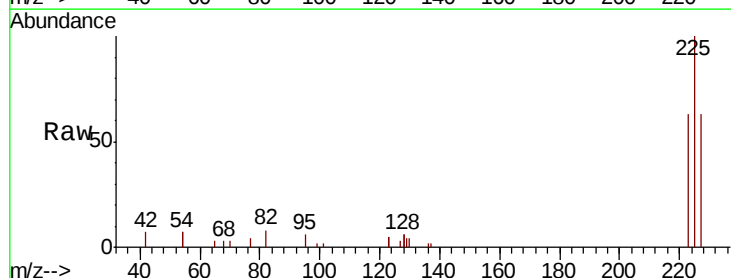
Tgt Ion:225 Resp: 4091

Ion Ratio Lower Upper

225 100

223 61.8 52.2 78.4

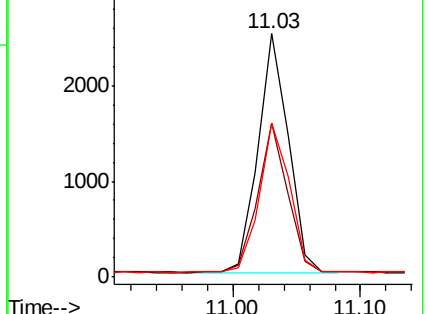
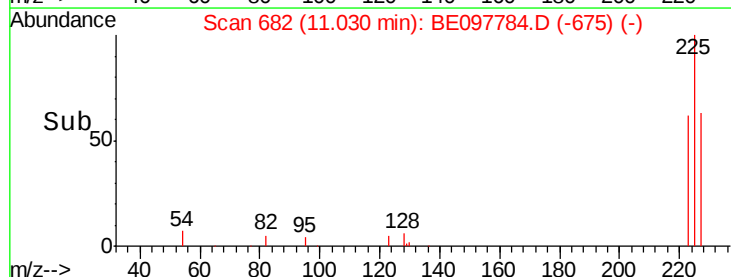
227 62.6 51.2 76.8

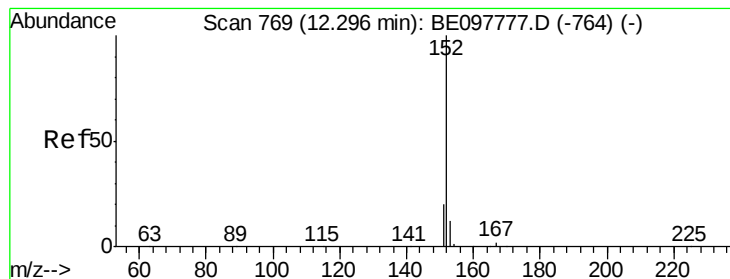


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.500 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.01 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

Instrument :

BNA_E

ClientSampleId :

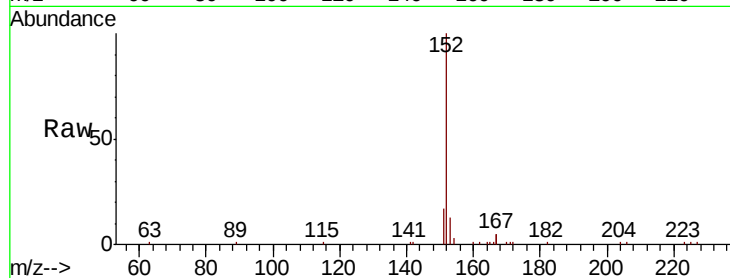
PB113550BS

Tot Ion:152 Resp: 16196

Ion Ratio Lower Upper

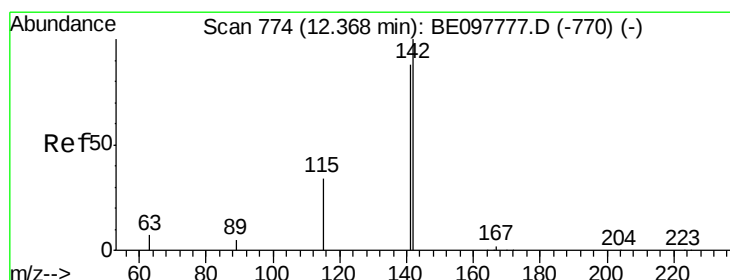
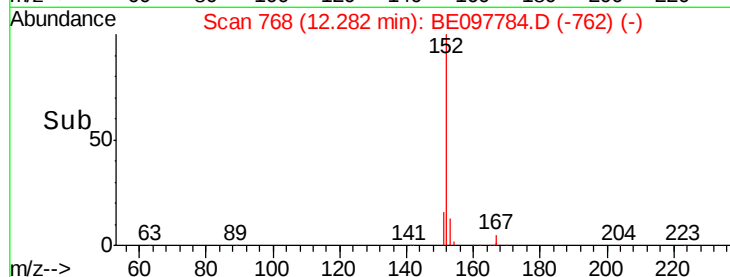
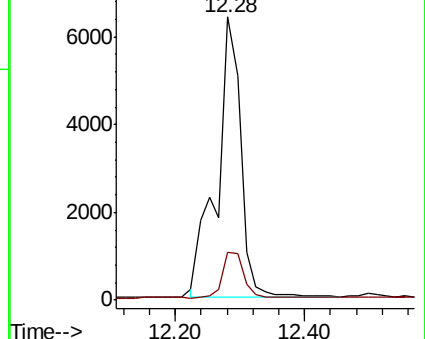
152 100

151 14.5 15.4 23.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.404 ng

RT: 12.37 min Scan# 774

Delta R.T. -0.00 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

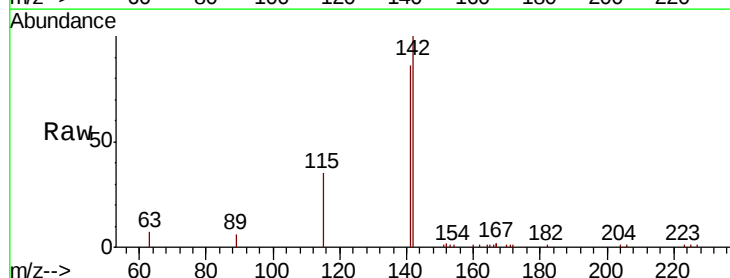
Tgt Ion:142 Resp: 13255

Ion Ratio Lower Upper

142 100

141 86.0 69.4 104.2

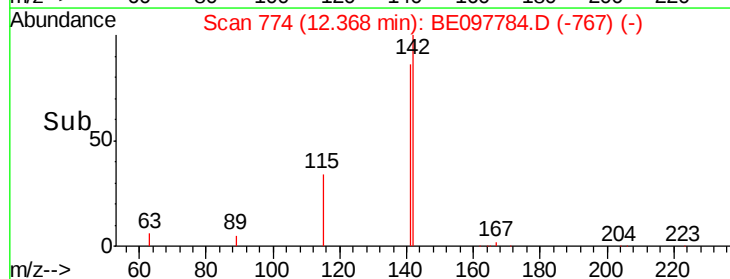
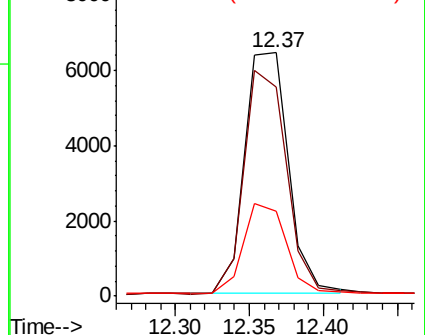
115 34.6 28.0 42.0

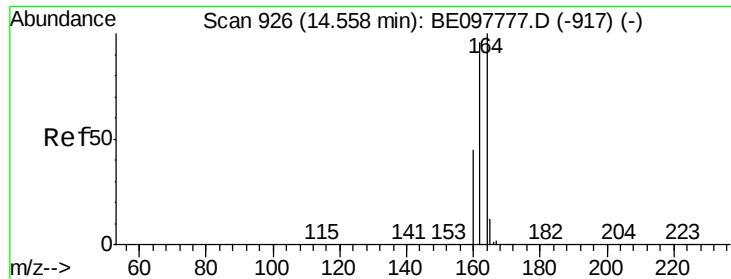


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

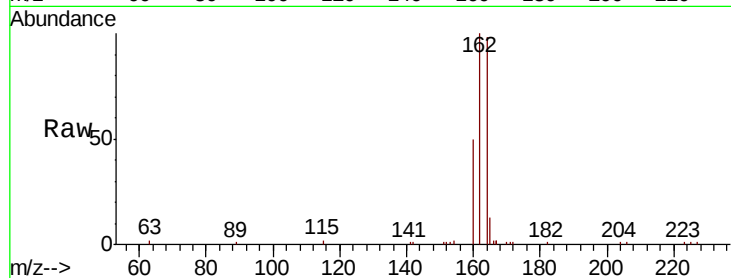




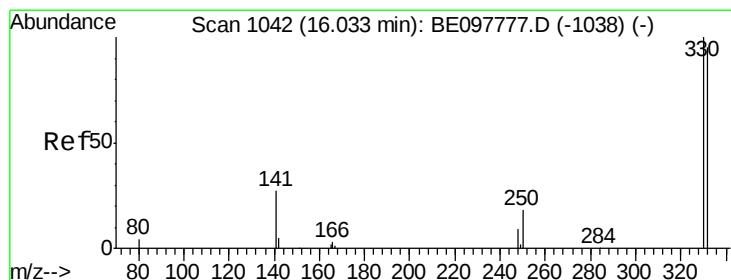
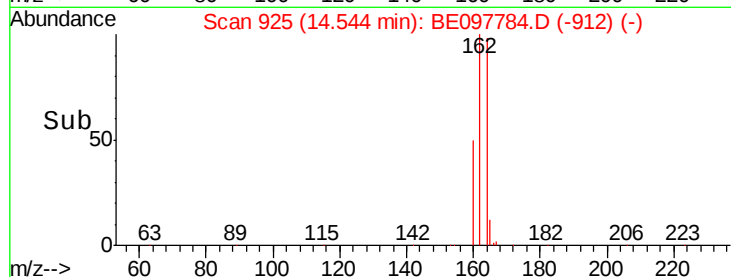
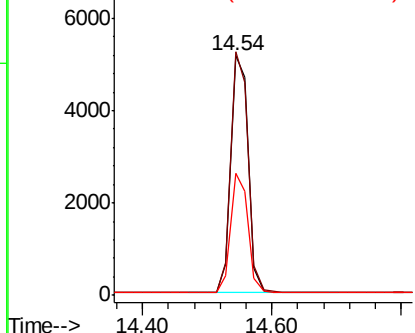
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.54 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: BE097784.D
 Acq: 6 Oct 2018 10:01

Instrument :
 BNA_E
 ClientSampleId :
 PB113550BS

Tot Ion:164 Resp: 9601
 Ion Ratio Lower Upper
 164 100
 162 101.6 78.6 117.8
 160 51.1 37.8 56.6

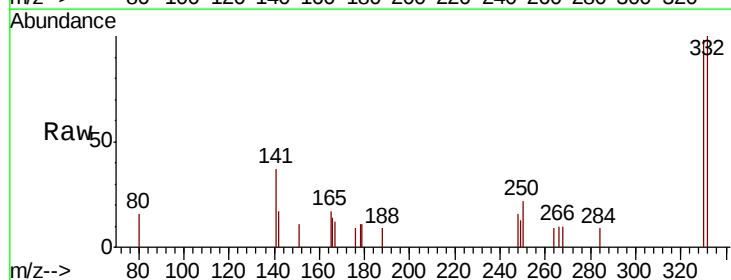


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

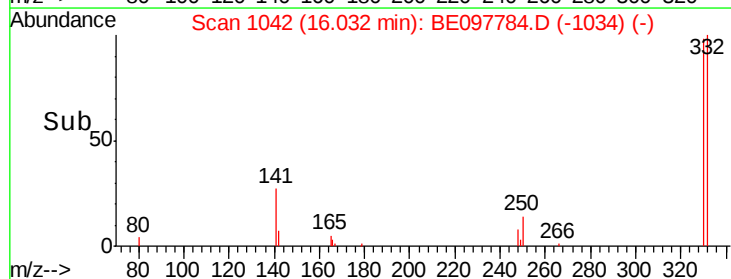
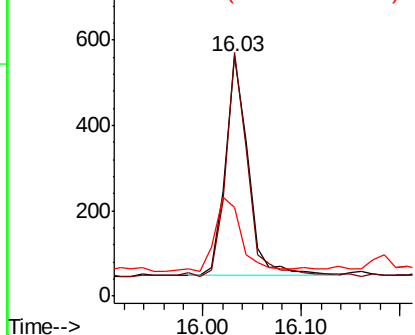


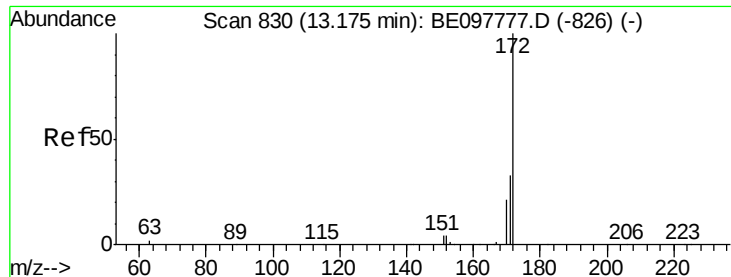
#14
 2,4,6-Tribromophenol
 Concen: 0.470 ng
 RT: 16.03 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: BE097784.D
 Acq: 6 Oct 2018 10:01

Tgt Ion:330 Resp: 818
 Ion Ratio Lower Upper
 330 100
 332 101.8 83.5 125.3
 141 40.0 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

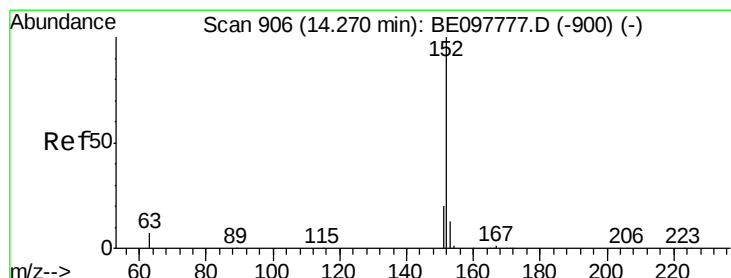
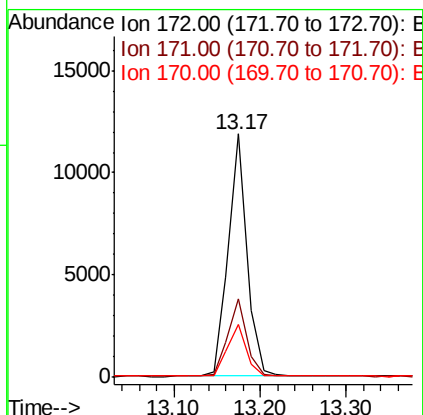
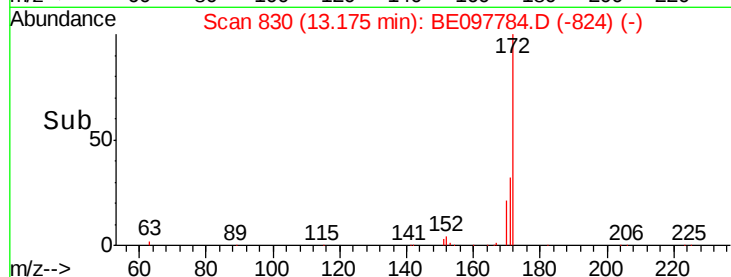
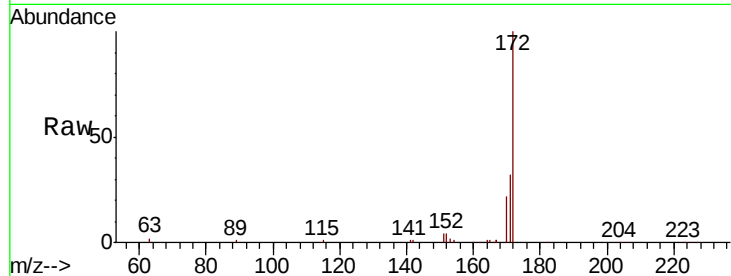




#15
2-Fluorobiphenyl
Concen: 0.421 ng
RT: 13.17 min Scan# 830
Delta R.T. -0.01 min
Lab File: BE097784.D
Acq: 6 Oct 2018 10:01

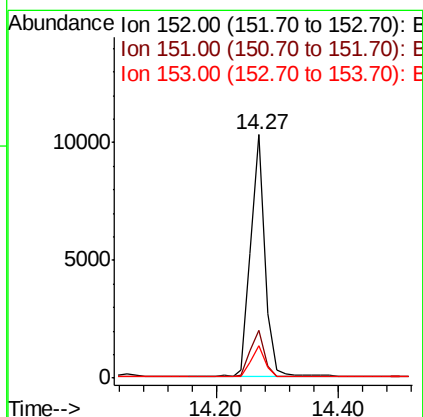
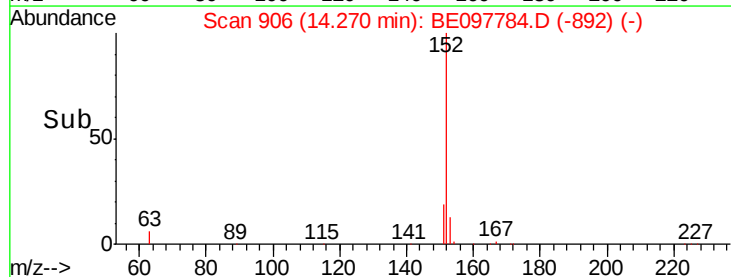
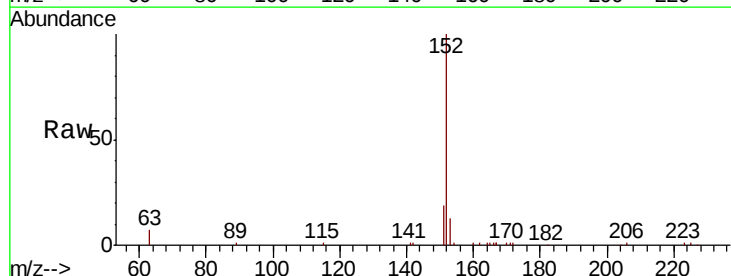
Instrument :
BNA_E
ClientSampleId :
PB113550BS

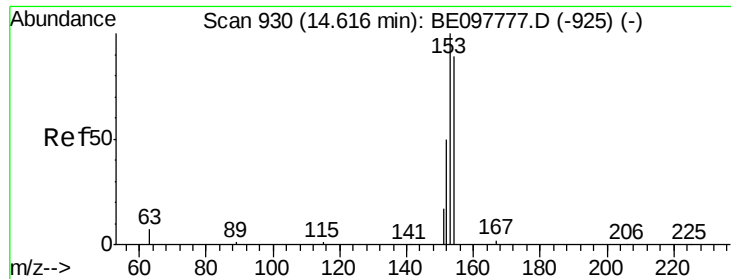
Tot Ion:172 Resp: 17805
Ion Ratio Lower Upper
172 100
171 32.4 25.2 37.8
170 21.8 16.2 24.2



#16
Acenaphthylene
Concen: 0.391 ng
RT: 14.27 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097784.D
Acq: 6 Oct 2018 10:01

Tgt Ion:152 Resp: 16617
Ion Ratio Lower Upper
152 100
151 19.2 15.3 22.9
153 12.6 10.8 16.2

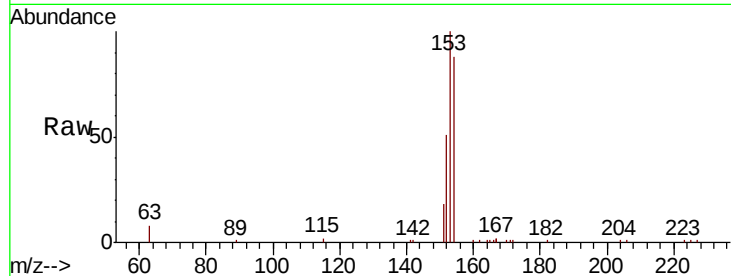




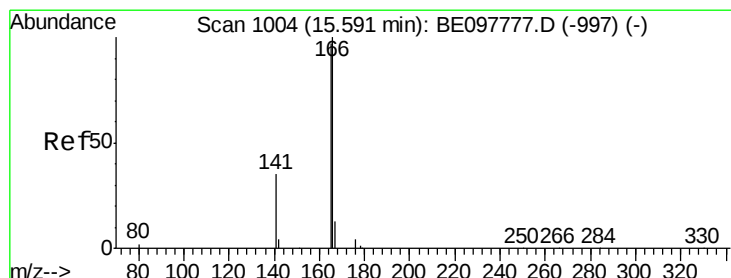
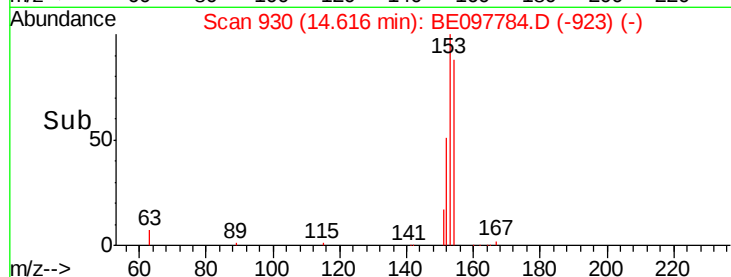
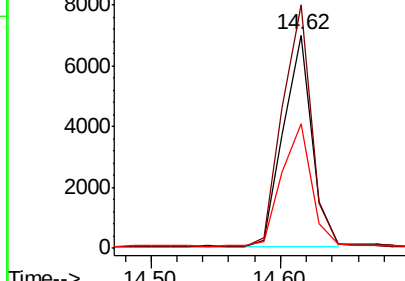
#17
Acenaphthene
Concen: 0.392 ng
RT: 14.62 min Scan# 930
Delta R.T. -0.00 min
Lab File: BE097784.D
Acq: 6 Oct 2018 10:01

Instrument :
BNA_E
ClientSampleId :
PB113550BS

Tot Ion:154 Resp: 10680
Ion Ratio Lower Upper
154 100
153 115.9 93.3 139.9
152 60.0 48.9 73.3

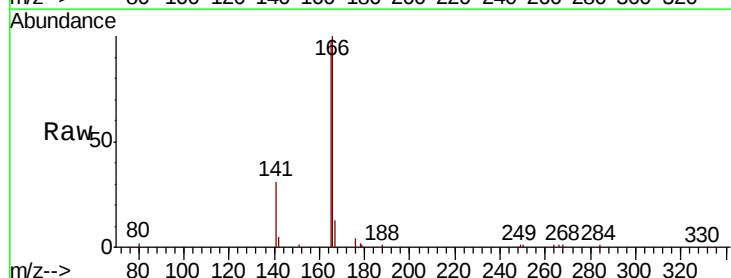


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

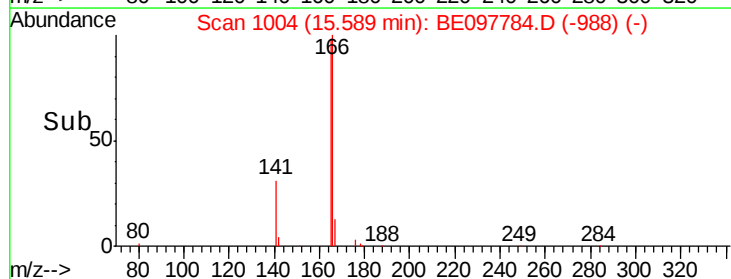
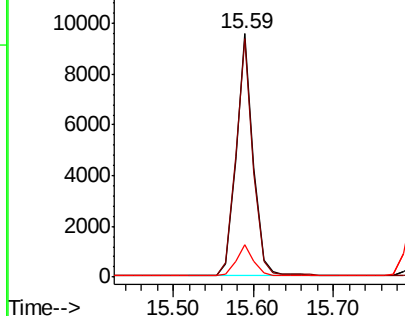


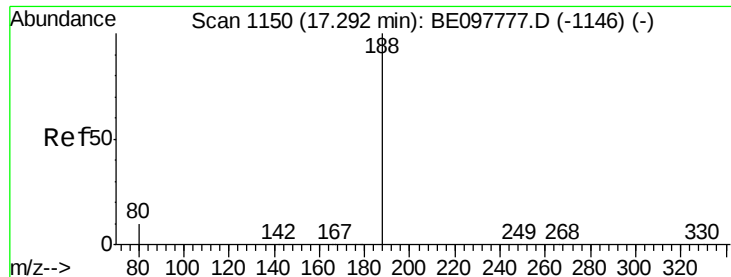
#18
Fluorene
Concen: 0.384 ng
RT: 15.59 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BE097784.D
Acq: 6 Oct 2018 10:01

Tgt Ion:166 Resp: 13895
Ion Ratio Lower Upper
166 100
165 99.2 79.0 118.4
167 13.3 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.29 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

Instrument :

BNA_E

ClientSampleId :

PB113550BS

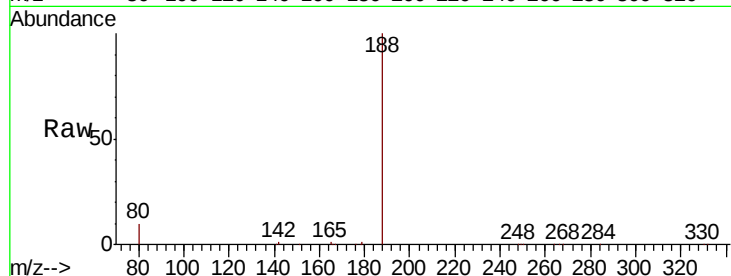
Tot Ion:188 Resp: 22026

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

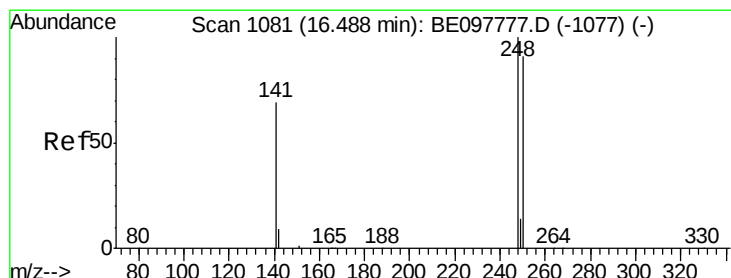
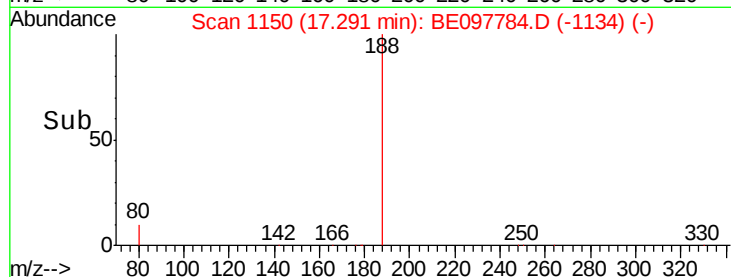
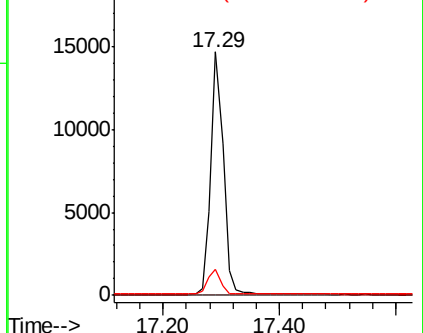
80 10.5 6.6 9.8#



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: 0.397 ng

RT: 16.49 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

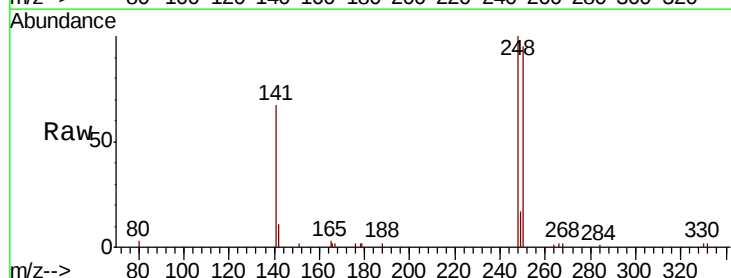
Tgt Ion:248 Resp: 4584

Ion Ratio Lower Upper

248 100

250 95.2 76.1 114.1

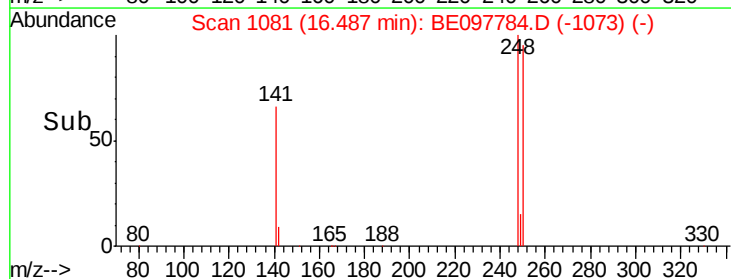
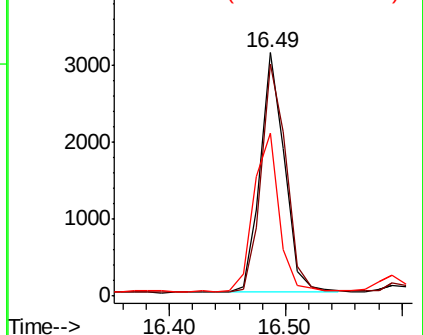
141 67.1 42.2 63.4#

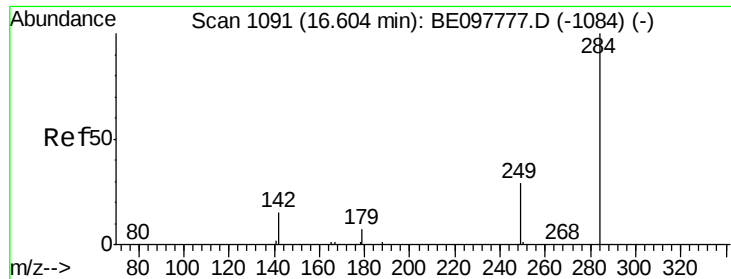


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.367 ng

RT: 16.60 min Scan# 1091

Delta R.T. -0.00 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

Instrument :

BNA_E

ClientSampleId :

PB113550BS

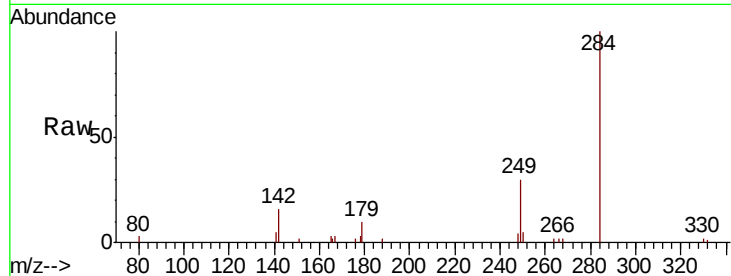
Tot Ion:284 Resp: 4765

Ion Ratio Lower Upper

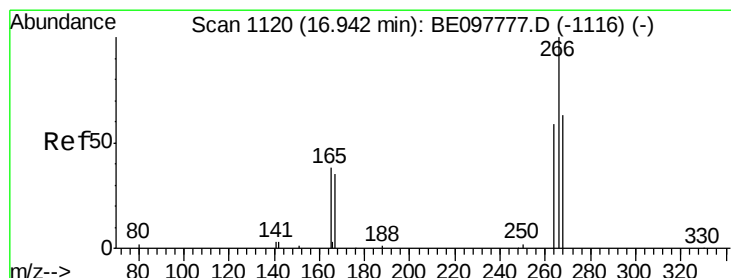
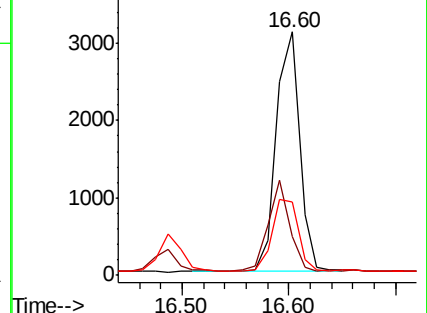
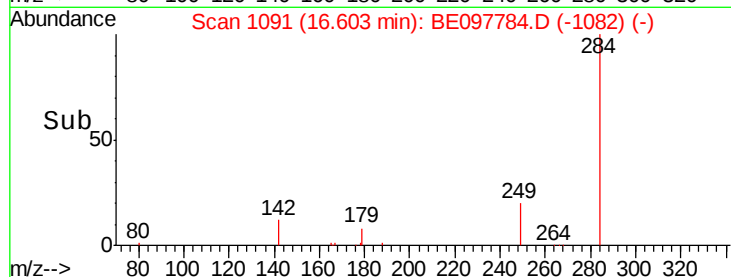
284 100

142 34.8 24.9 37.3

249 32.8 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: 0.893 ng

RT: 16.94 min Scan# 1120

Delta R.T. -0.01 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

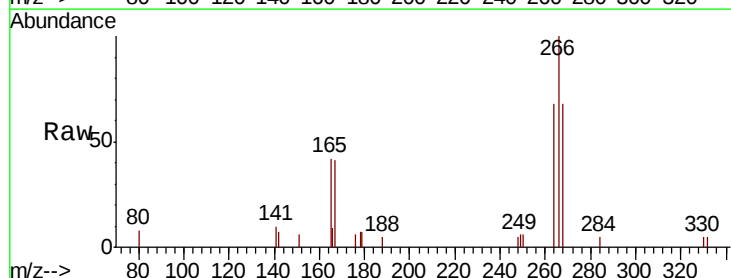
Tgt Ion:266 Resp: 1822

Ion Ratio Lower Upper

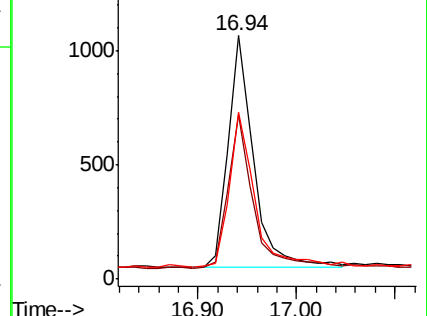
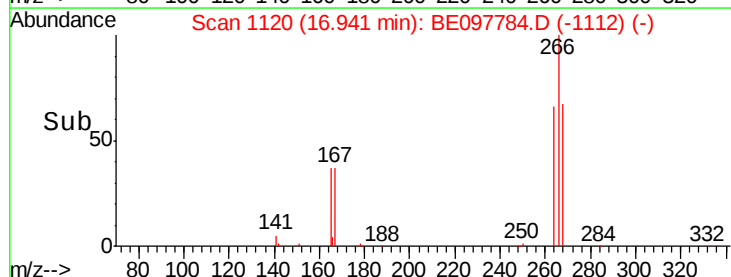
266 100

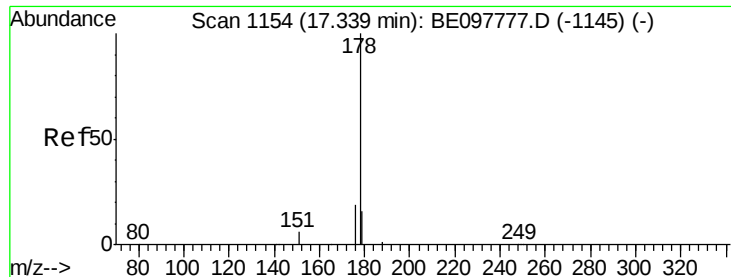
264 67.5 46.8 70.2

268 68.3 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: 0.415 ng

RT: 17.34 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

Instrument :

BNA_E

ClientSampleId :

PB113550BS

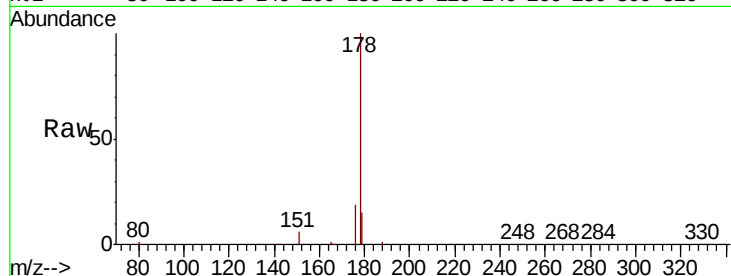
Tot Ion:178 Resp: 23530

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

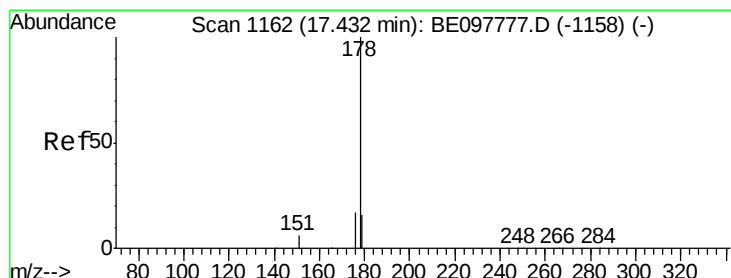
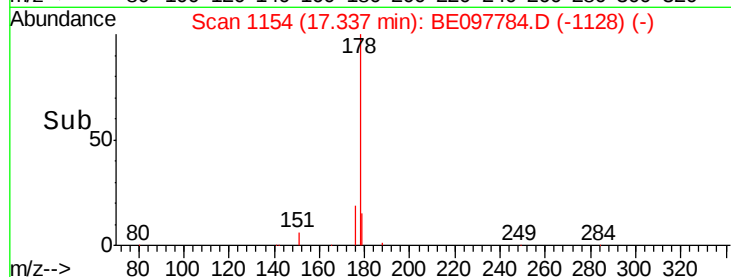
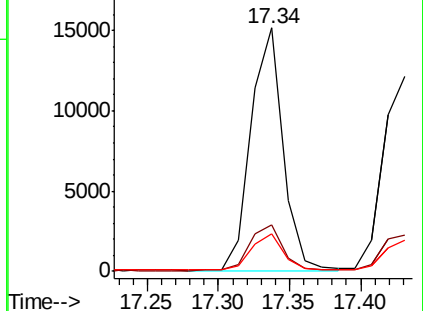
179 14.8 12.2 18.4



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: 0.403 ng

RT: 17.43 min Scan# 1162

Delta R.T. -0.00 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

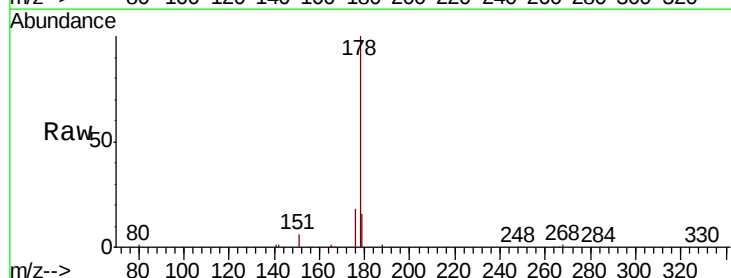
Tgt Ion:178 Resp: 19748

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

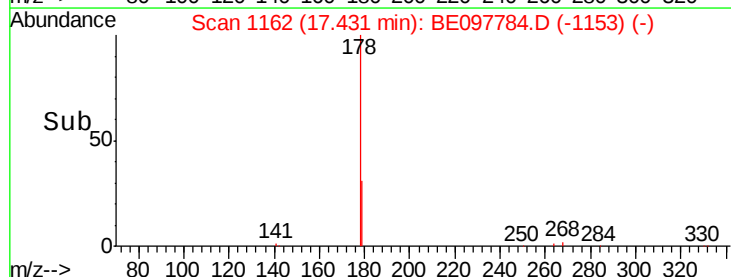
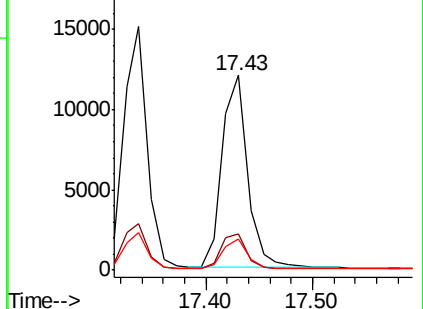
179 14.5 12.2 18.2

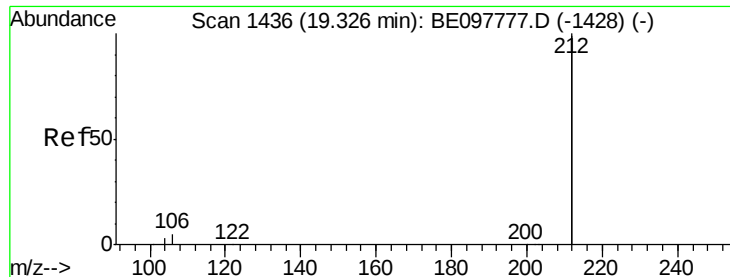


Abundance Ion 178.00 (177.70 to 178.70): E

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: 19.33 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

Instrument :

BNA_E

ClientSampleId :

PB113550BS

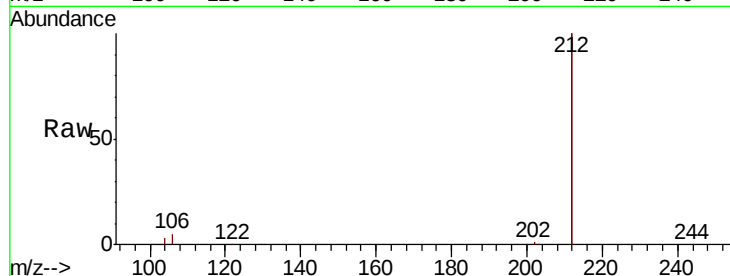
Tot Ion:212 Resp: 100566

Ion Ratio Lower Upper

212 100

106 2.6 2.2 3.2

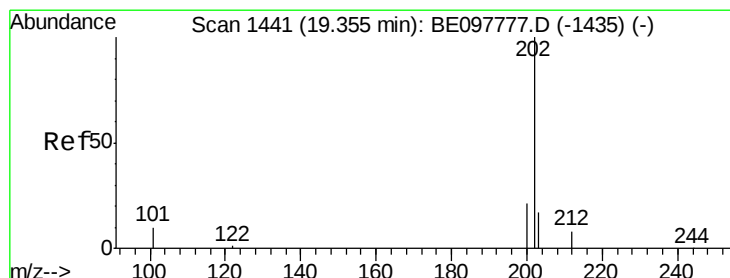
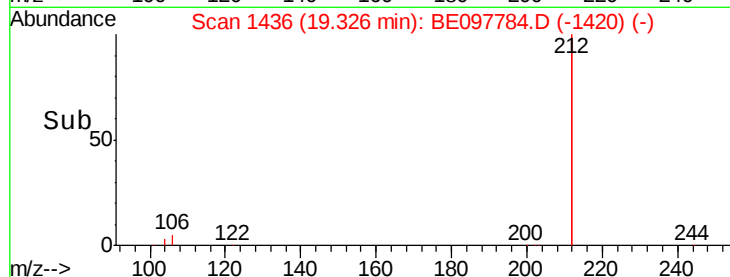
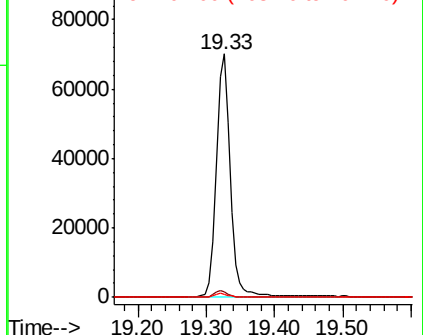
104 1.5 1.2 1.8



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



#26

Fluoranthene

Concen: 0.370 ng

RT: 19.35 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

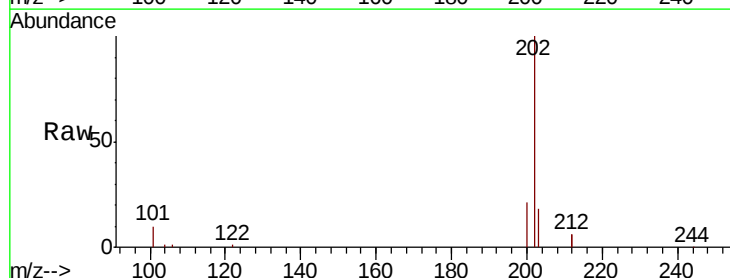
Tgt Ion:202 Resp: 26725

Ion Ratio Lower Upper

202 100

101 10.0 7.8 11.8

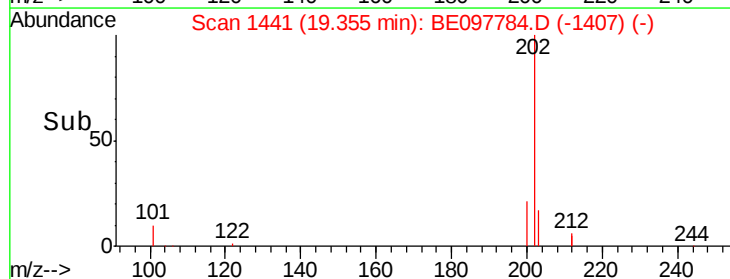
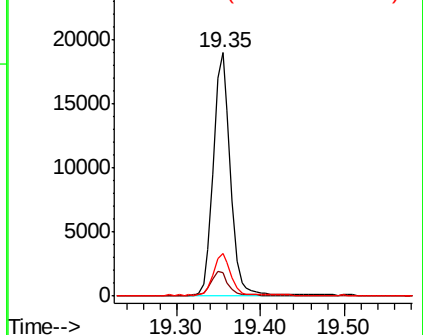
203 17.4 13.8 20.6

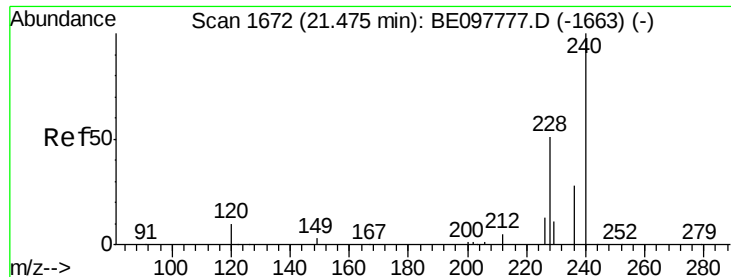


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.47 min Scan# 1672

Delta R.T. -0.01 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

Instrument :

BNA_E

ClientSampleId :

PB113550BS

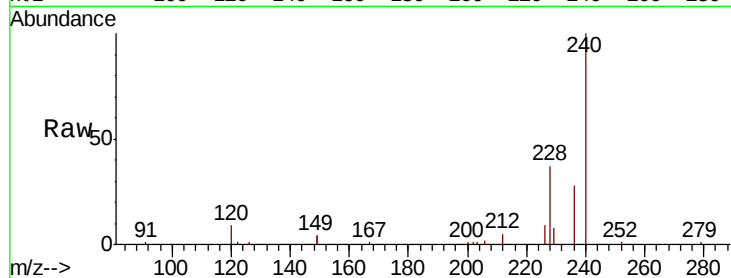
Tot Ion:240 Resp: 23579

Ion Ratio Lower Upper

240 100

120 8.9 4.7 7.1#

236 27.9 20.8 31.2

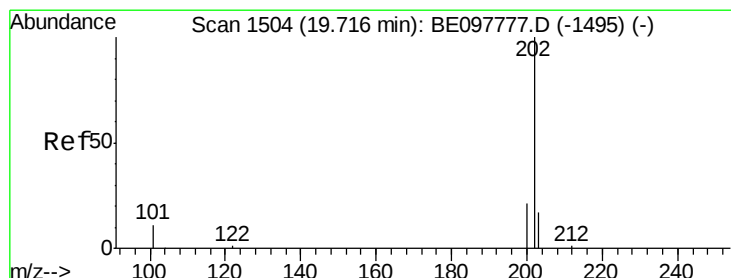
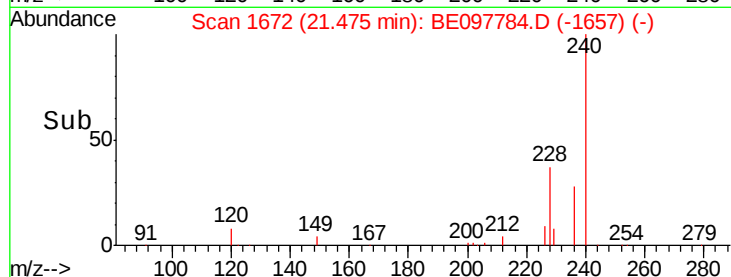
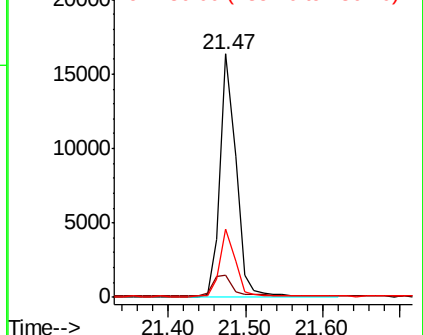


Abundance

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: 0.443 ng

RT: 19.72 min Scan# 1504

Delta R.T. -0.01 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

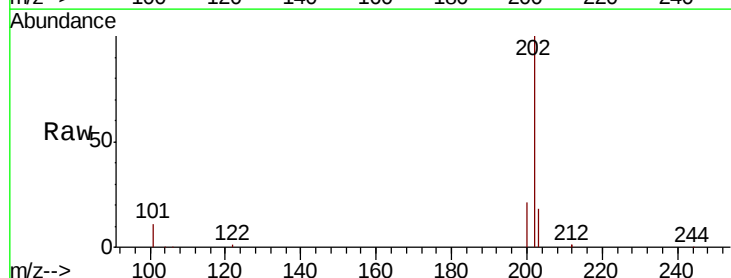
Tgt Ion:202 Resp: 26536

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 17.7 13.9 20.9

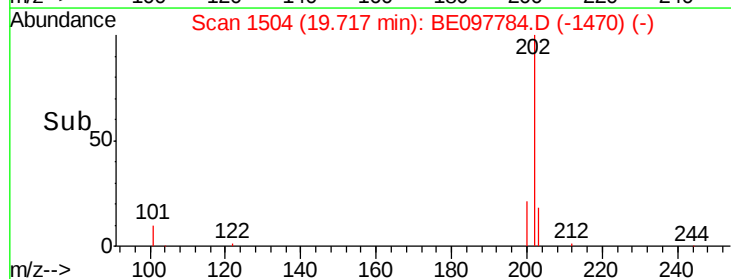
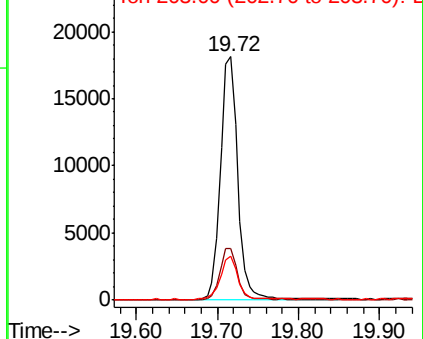


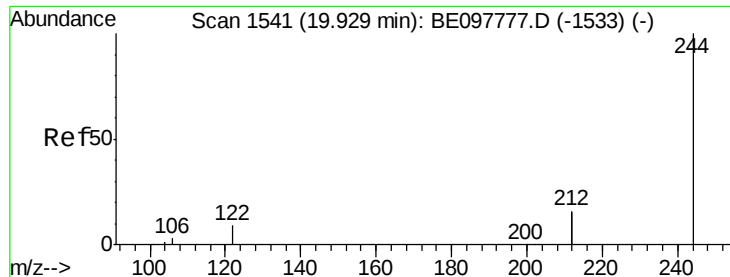
Abundance

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: 0.379 ng

RT: 19.92 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

Instrument :

BNA_E

ClientSampleId :

PB113550BS

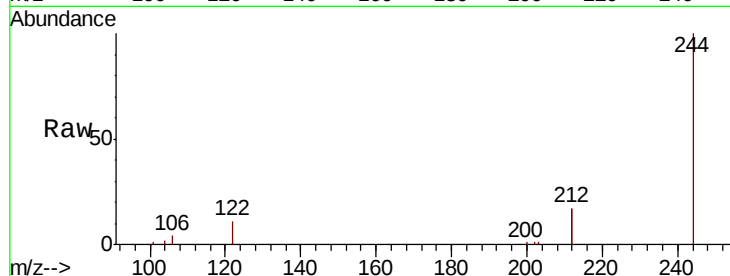
Tot Ion:244 Resp: 18226

Ion Ratio Lower Upper

244 100

212 33.3 25.8 38.8

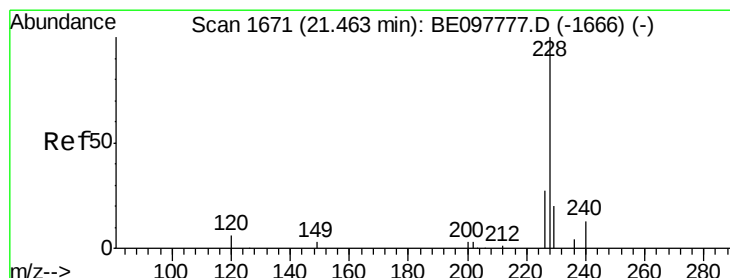
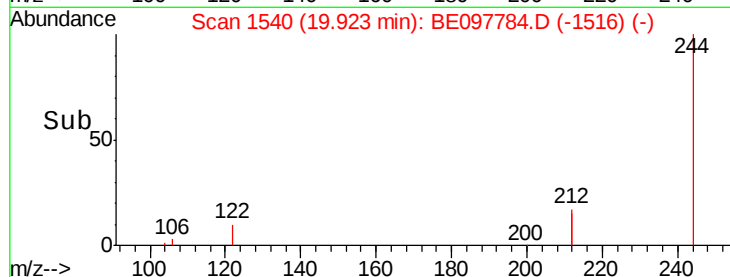
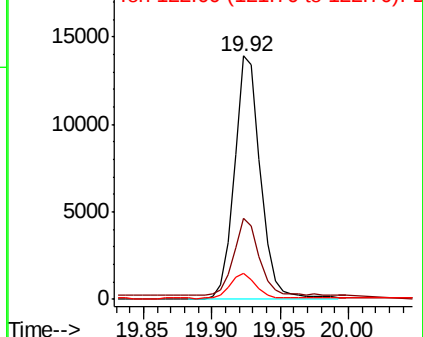
122 10.7 8.7 13.1



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: 0.434 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.01 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

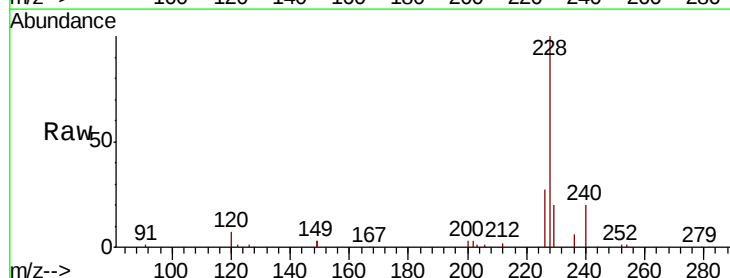
Tgt Ion:228 Resp: 27524

Ion Ratio Lower Upper

228 100

226 26.6 20.7 31.1

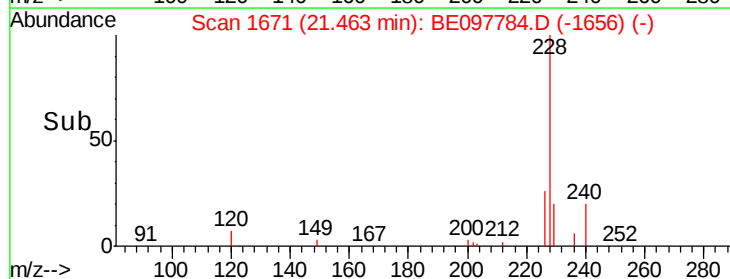
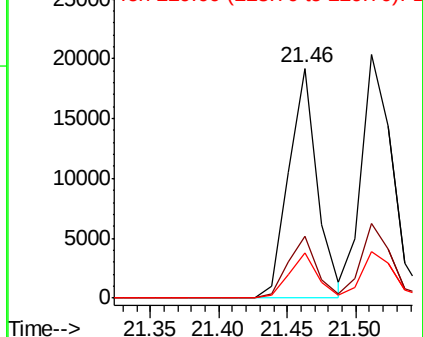
229 19.8 15.7 23.5

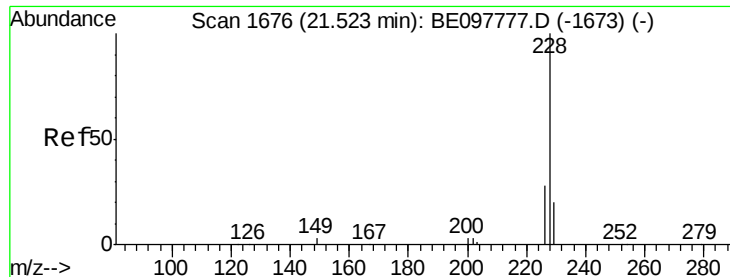


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.439 ng

RT: 21.51 min Scan# 1675

Delta R.T. -0.01 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

Instrument :

BNA_E

ClientSampleId :

PB113550BS

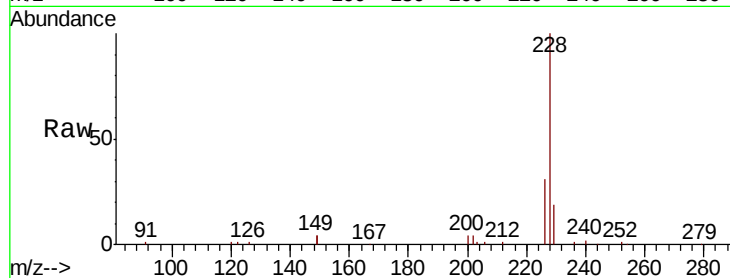
Tot Ion:228 Resp: 31116

Ion Ratio Lower Upper

228 100

226 30.8 24.3 36.5

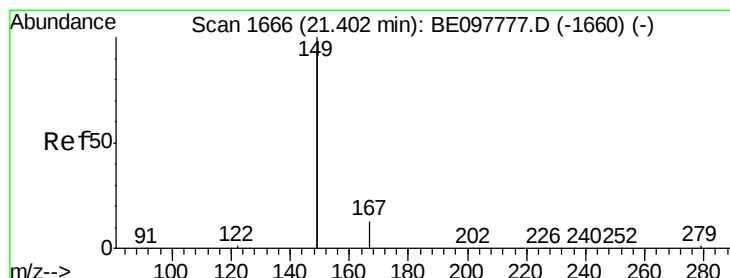
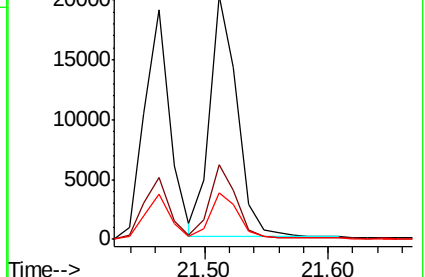
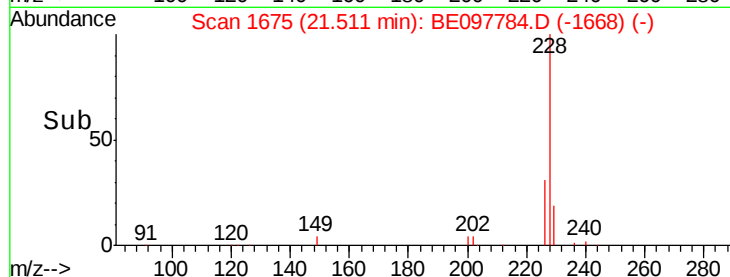
229 19.0 16.0 24.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.495 ng

RT: 21.40 min Scan# 1666

Delta R.T. -0.01 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

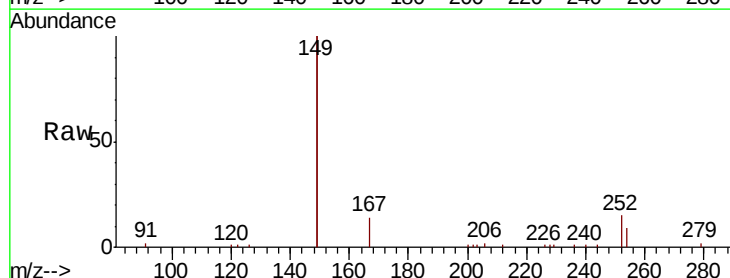
Tgt Ion:149 Resp: 22938

Ion Ratio Lower Upper

149 100

167 7.3 5.5 8.3

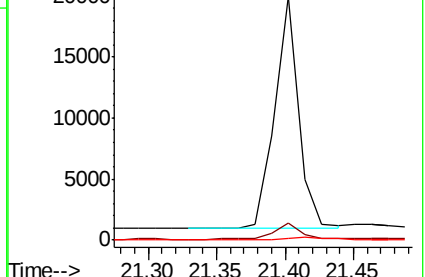
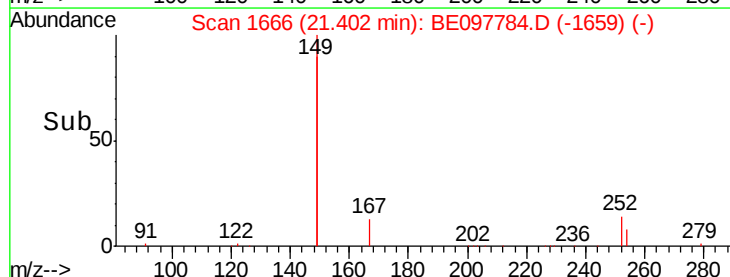
279 1.1 0.9 1.3

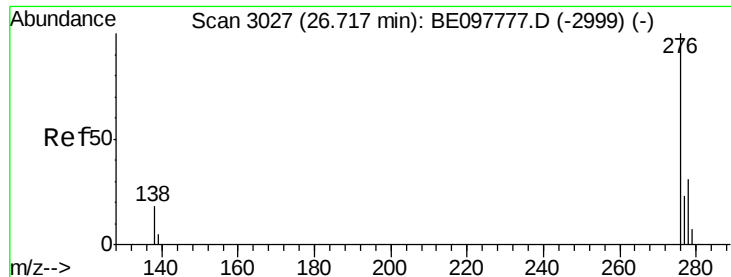


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

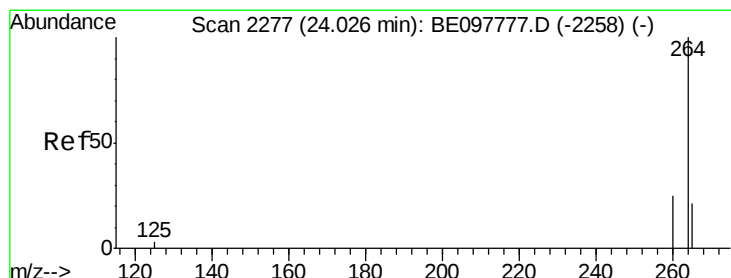
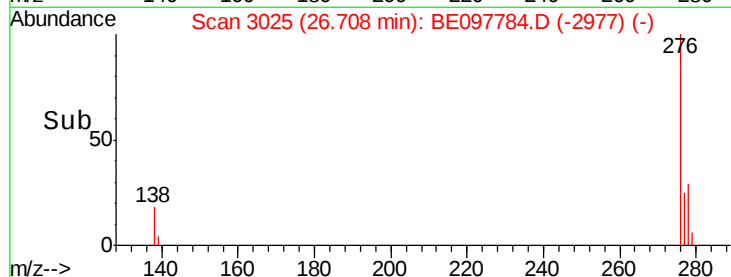
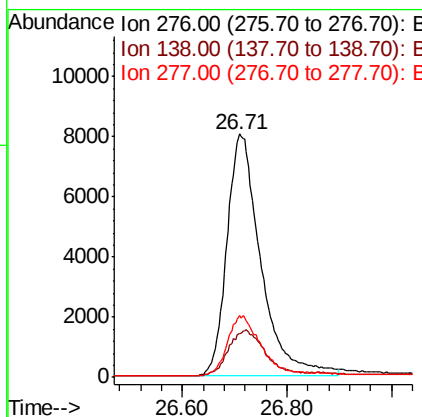
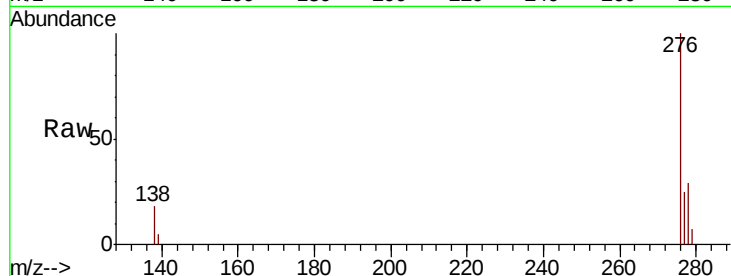




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.590 ng
 RT: 26.71 min Scan# 3025
 Delta R.T. -0.03 min
 Lab File: BE097784.D
 Acq: 6 Oct 2018 10:01

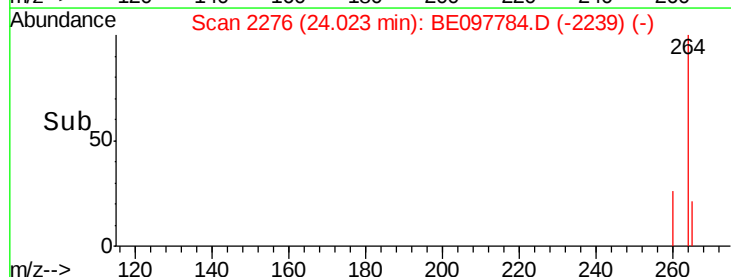
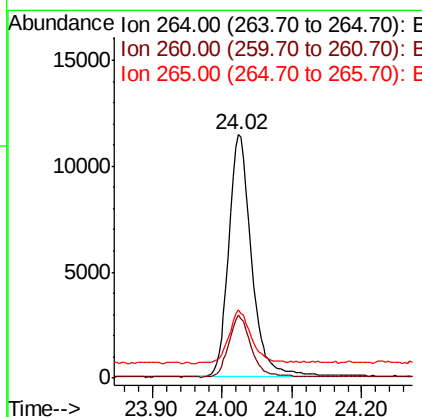
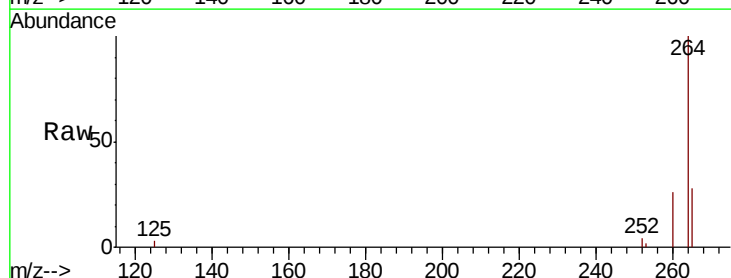
Instrument :
 BNA_E
 ClientSampleId :
 PB113550BS

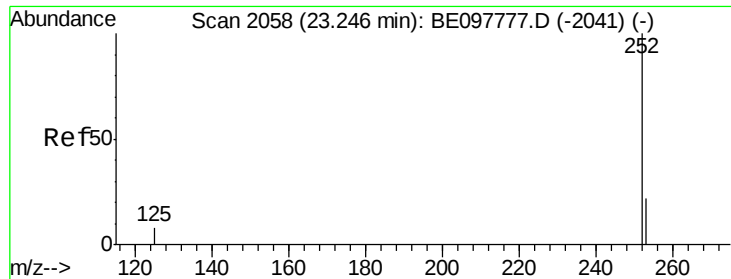
Tot Ion:276 Resp: 36289
 Ion Ratio Lower Upper
 276 100
 138 19.8 15.0 22.6
 277 24.0 19.2 28.8



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.02 min Scan# 2276
 Delta R.T. -0.02 min
 Lab File: BE097784.D
 Acq: 6 Oct 2018 10:01

Tgt Ion:264 Resp: 25855
 Ion Ratio Lower Upper
 264 100
 260 25.8 19.1 28.7
 265 27.8 21.9 32.9

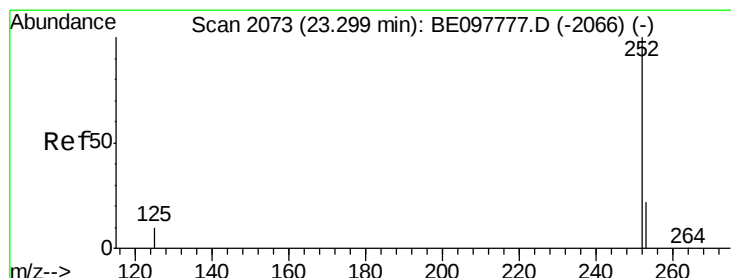
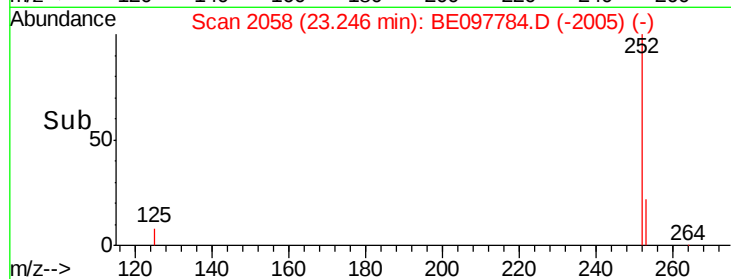
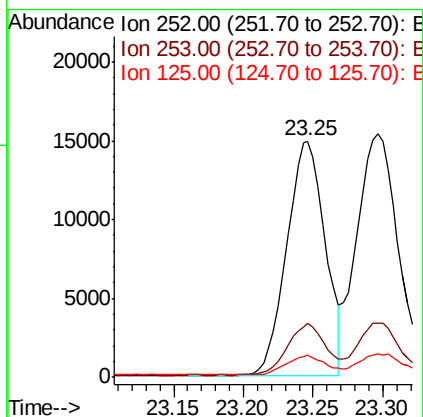
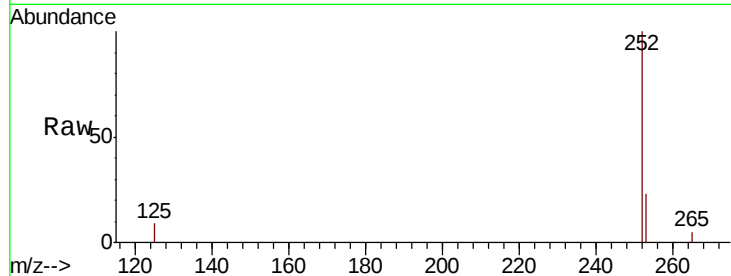




#35
Benzo(b)fluoranthene
Concen: 0.400 ng
RT: 23.25 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BE097784.D
Acq: 6 Oct 2018 10:01

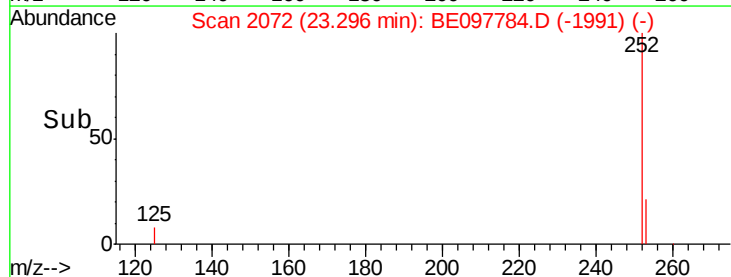
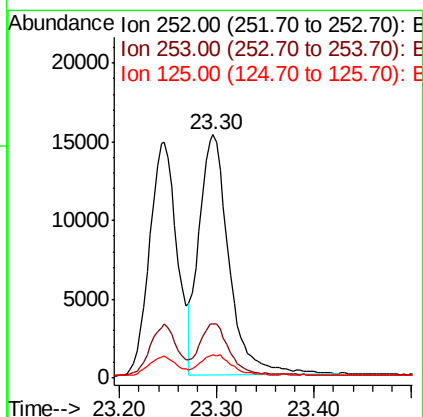
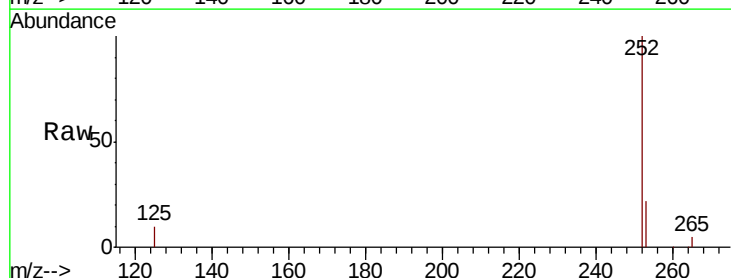
Instrument :
BNA_E
ClientSampleId :
PB113550BS

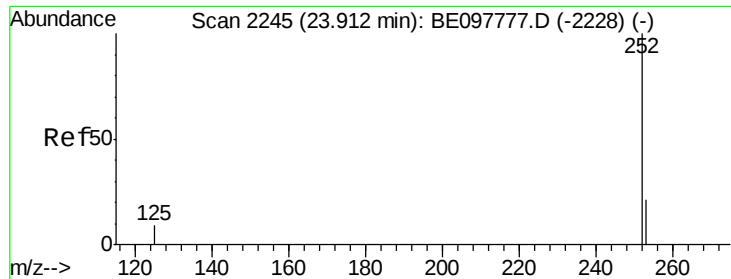
Tot Ion:252 Resp: 28390
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 9.3 7.8 11.8



#36
Benzo(k)fluoranthene
Concen: 0.409 ng
RT: 23.30 min Scan# 2072
Delta R.T. -0.01 min
Lab File: BE097784.D
Acq: 6 Oct 2018 10:01

Tgt Ion:252 Resp: 32171
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 9.6 7.5 11.3





#37

Benzo(a)pyrene

Concen: 0.420 ng

RT: 23.91 min Scan# 2244

Delta R.T. -0.02 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

Instrument :

BNA_E

ClientSampleId :

PB113550BS

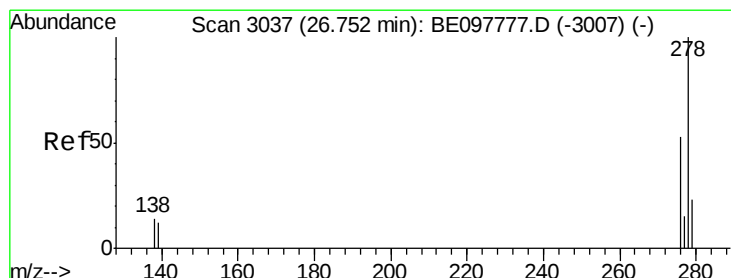
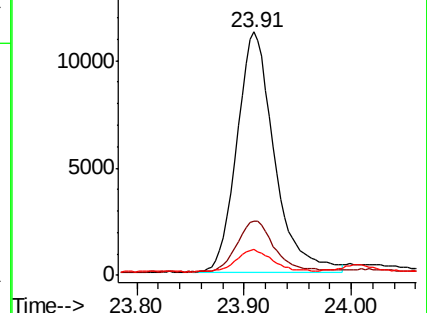
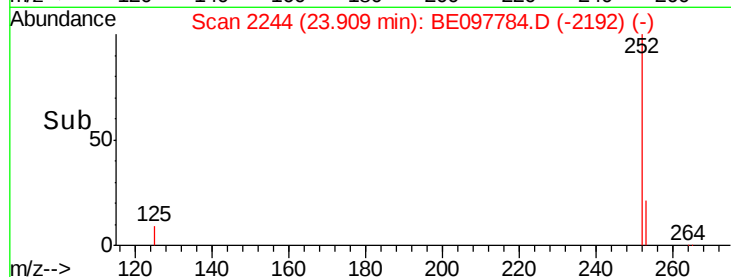
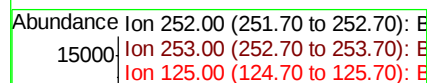
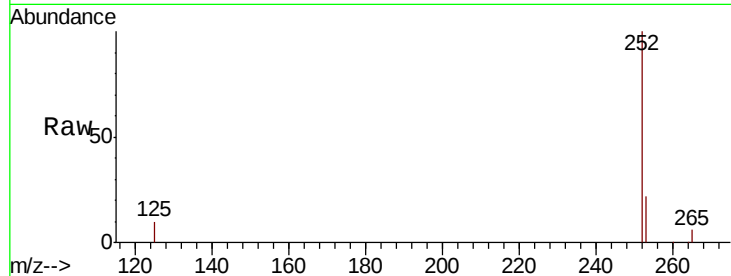
Tot Ion:252 Resp: 26994

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 10.5 8.3 12.5



#38

Dibenzo(a,h)anthracene

Concen: 0.486 ng

RT: 26.74 min Scan# 3035

Delta R.T. -0.03 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

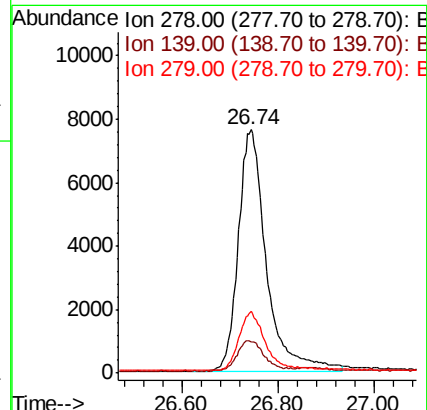
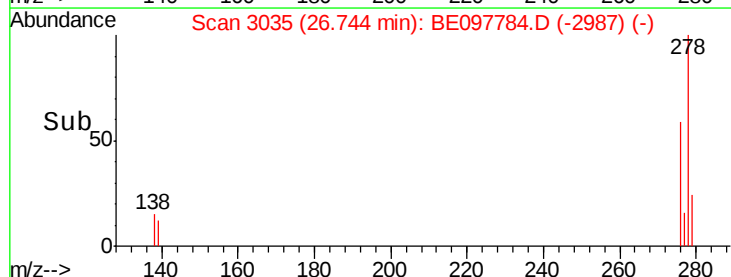
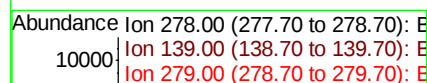
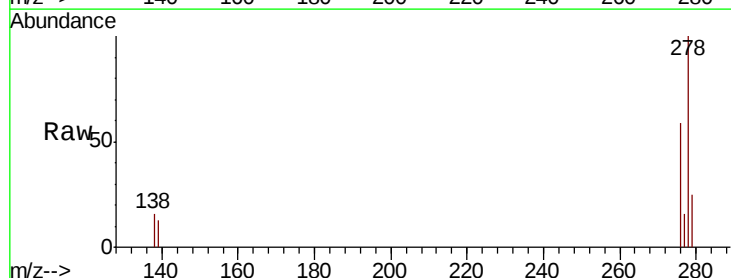
Tgt Ion:278 Resp: 30769

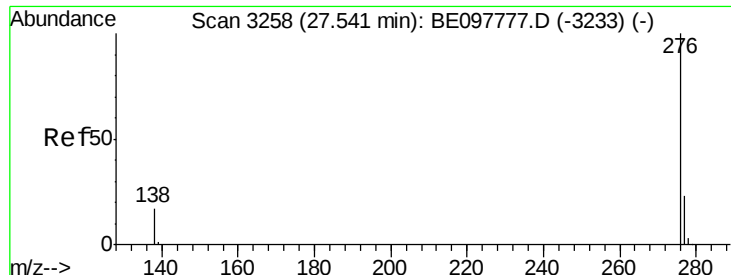
Ion Ratio Lower Upper

278 100

139 13.0 10.3 15.5

279 25.3 18.4 27.6





#39

Benzo(a,h,i)perylene

Concen: 0.505 ng

RT: 27.53 min Scan# 3255

Delta R.T. -0.03 min

Lab File: BE097784.D

Acq: 6 Oct 2018 10:01

Instrument :

BNA_E

ClientSampleId :

PB113550BS

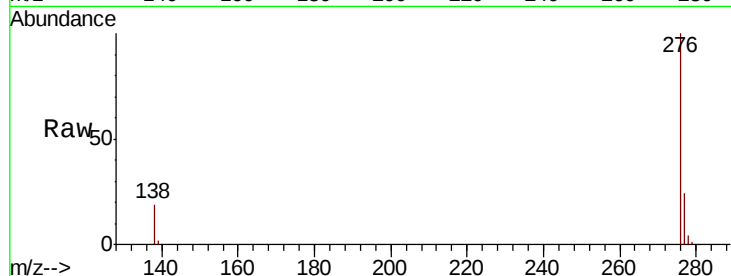
Tot Ion:276 Resp: 33459

Ion Ratio Lower Upper

276 100

277 23.9 19.1 28.7

138 18.7 14.2 21.2



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

