

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100518\
 Data File : BE097779.D
 Acq On : 6 Oct 2018 6:56
 Operator : SJ/JU
 Sample : J5284-03MS
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE-125D2-2018001MS

Quant Time: Oct 08 06:38:40 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	7.89	152	3623	0.40	ng	-0.01
7) Naphthalene-d8	10.69	136	13998	0.40	ng	0.00
13) Acenaphthene-d10	14.56	164	7454	0.40	ng	0.00
19) Phenanthrene-d10	17.29	188	19090	0.40	ng	-0.01
27) Chrysene-d12	21.48	240	29407	0.40	ng	-0.01
34) Perylene-d12	24.03	264	28160	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.47	112	1536	0.18	ng	0.00
5) Phenol-d6	7.05	99	1439	0.11	ng	0.00
8) Nitrobenzene-d5	9.04	82	3611	0.79	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	9724	0.44	ng	-0.01
14) 2,4,6-Tribromophenol	16.03	330	793	0.59	ng	-0.01
15) 2-Fluorobiphenyl	13.18	172	16429	0.50	ng	-0.01
25) Fluoranthene-d10	19.33	212	109529	0.45	ng	0.00
29) Terphenyl-d14	19.93	244	24341	0.41	ng	0.00

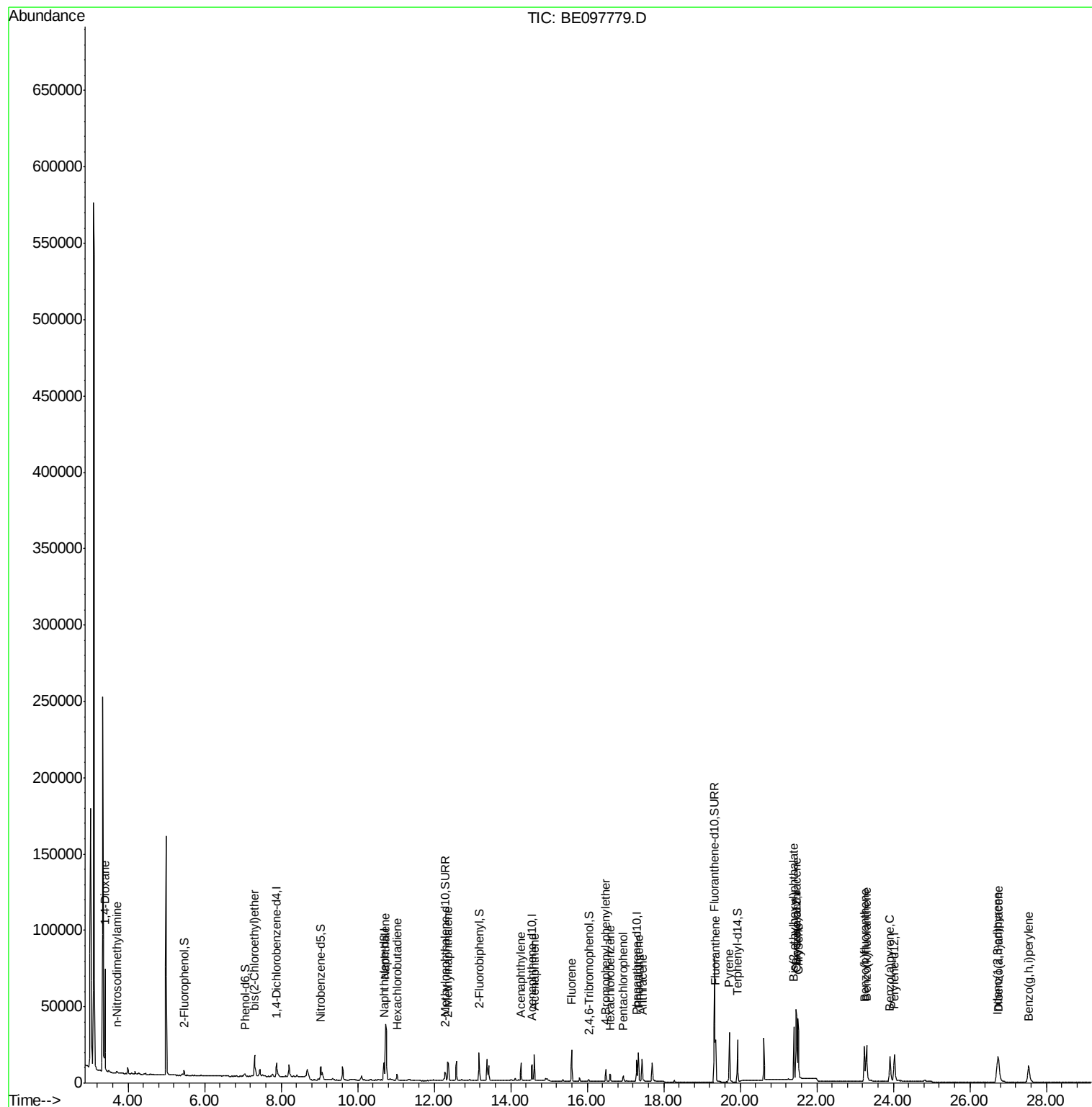
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.40	88	43055	5.964	ng	97
3) n-Nitrosodimethylamine	3.71	42	994	0.151	ng	97
6) bis(2-Chloroethyl)ether	7.31	93	5135	0.378	ng	93
9) Naphthalene	10.73	128	64831	0.460	ng	100
10) Hexachlorobutadiene	11.03	225	2774	0.371	ng	96
12) 2-Methylnaphthalene	12.35	142	10356	0.459	ng	98
16) Acenaphthylene	14.27	152	13017	0.394	ng	99
17) Acenaphthene	14.62	154	8329	0.394	ng	98
18) Fluorene	15.59	166	11875	0.423	ng	99
20) 4-Bromophenyl-phenylether	16.49	248	3940	0.394	ng	# 94
21) Hexachlorobenzene	16.60	284	3997	0.355	ng	96
22) Pentachlorophenol	16.94	266	2084	1.179	ng	94
23) Phenanthrene	17.34	178	21185	0.431	ng	100
24) Anthracene	17.43	178	17454	0.411	ng	99
26) Fluoranthene	19.35	202	28940	0.462	ng	99
28) Pyrene	19.72	202	29307	0.392	ng	99
30) Benzo(a)anthracene	21.46	228	34774	0.440	ng	98
31) Chrysene	21.51	228	39206	0.444	ng	99
32) Bis(2-ethylhexyl)phthalate	21.40	149	37402	0.647	ng	100
33) Indeno(1,2,3-cd)pyrene	26.72	276	32715	0.426	ng	98
35) Benzo(b)fluoranthene	23.25	252	33896	0.439	ng	98
36) Benzo(k)fluoranthene	23.30	252	38040	0.444	ng	99
37) Benzo(a)pyrene	23.91	252	29511	0.422	ng	99
38) Dibenzo(a,h)anthracene	26.75	278	28175	0.409	ng	97
39) Benzo(g,h,i)perylene	27.54	276	29749	0.413	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.89 min Scan# 436

Delta R.T. -0.01 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MS

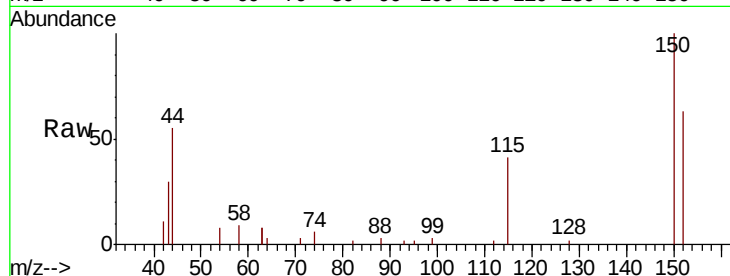
Tot Ion:152 Resp: 3623

Ion Ratio Lower Upper

152 100

150 158.6 120.9 181.3

115 64.4 46.6 69.8

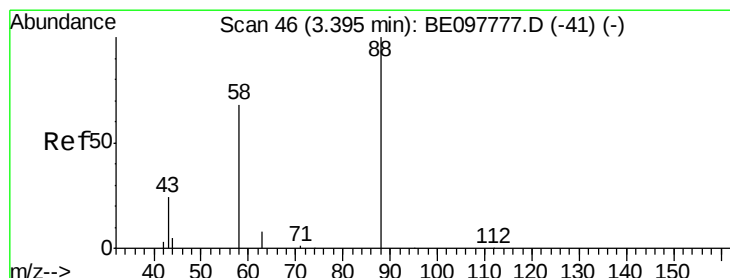
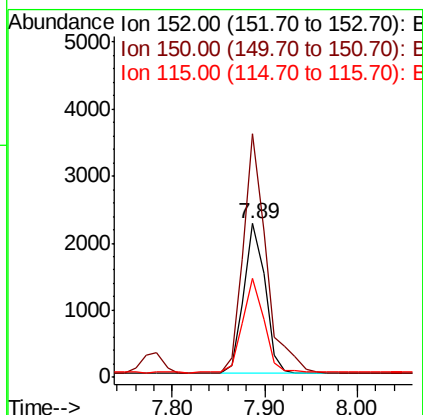
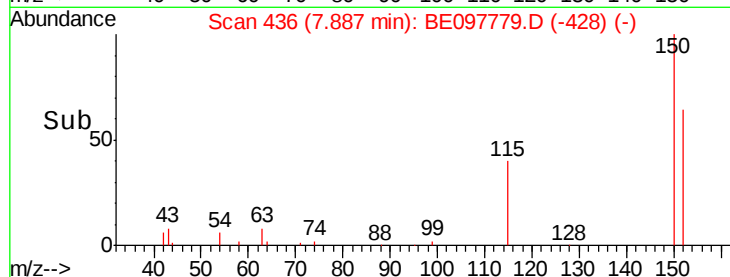


Abundance

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: 5.964 ng

RT: 3.40 min Scan# 46

Delta R.T. 0.00 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

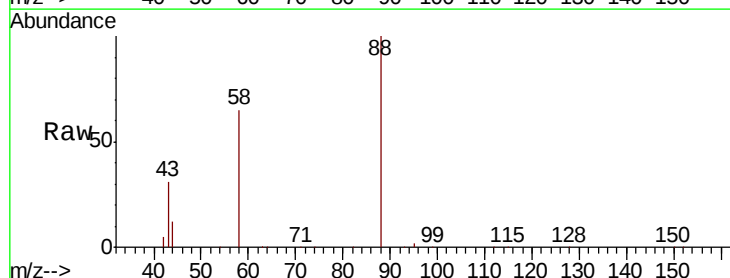
Tgt Ion: 88 Resp: 43055

Ion Ratio Lower Upper

88 100

58 87.2 70.8 106.2

43 36.7 33.3 49.9

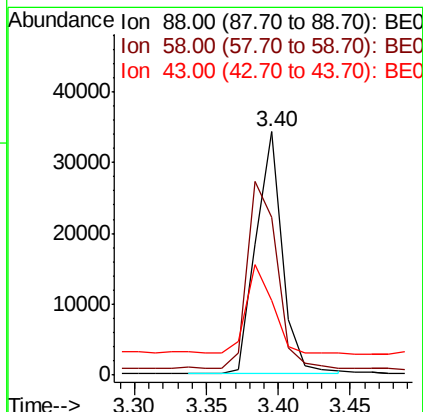
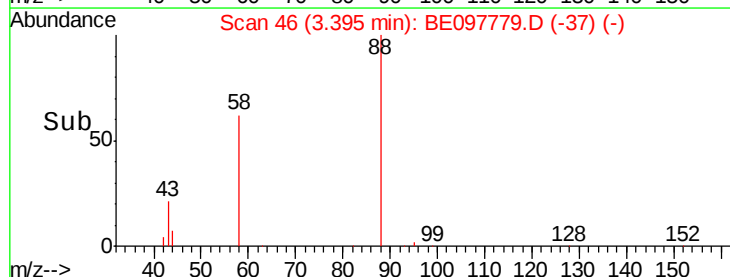


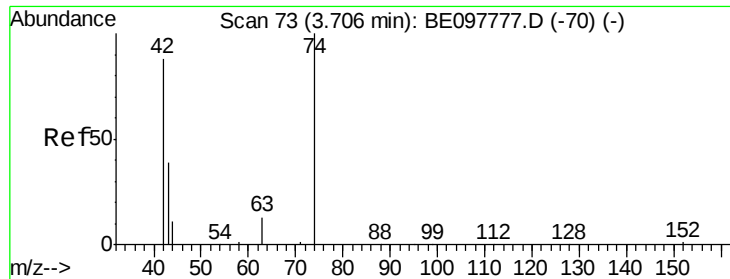
Abundance

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: 0.151 ng

RT: 3.71 min Scan# 73

Delta R.T. 0.00 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MS

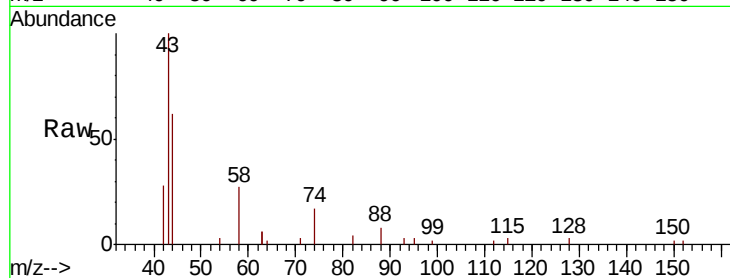
Tot Ion: 42 Resp: 994

Ion Ratio Lower Upper

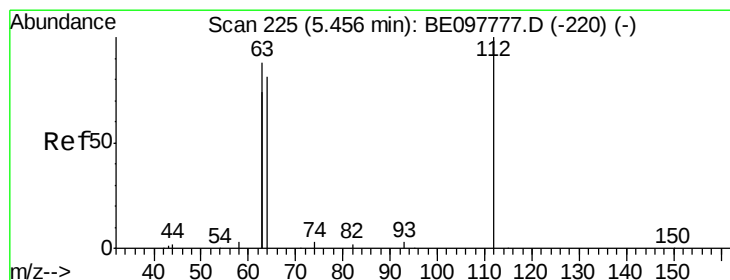
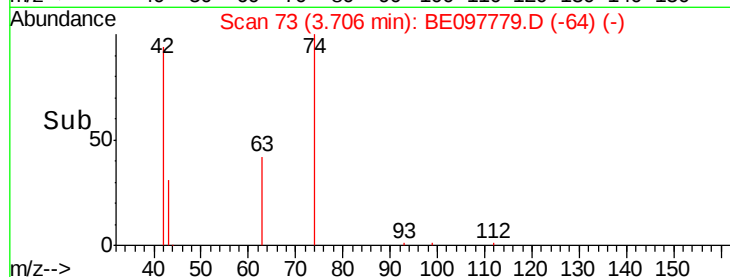
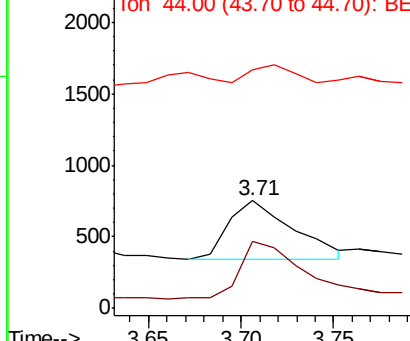
42 100

74 91.0 70.7 106.1

44 19.2 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: 0.179 ng

RT: 5.47 min Scan# 226

Delta R.T. 0.00 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

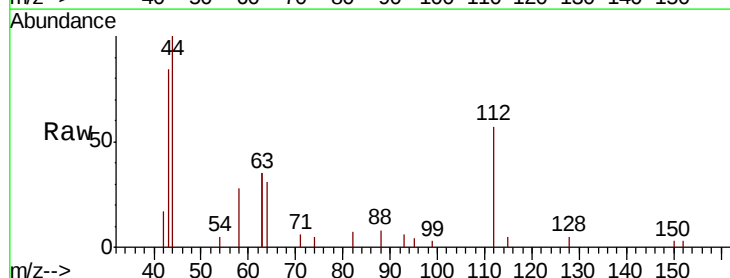
Tgt Ion: 112 Resp: 1536

Ion Ratio Lower Upper

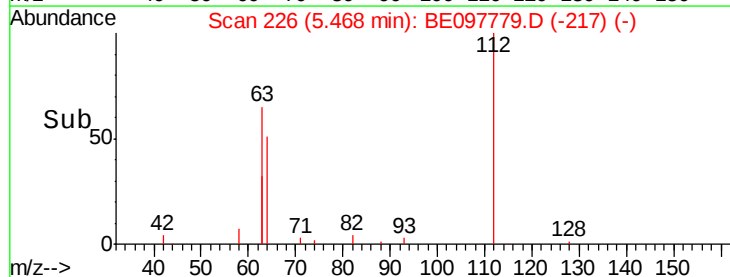
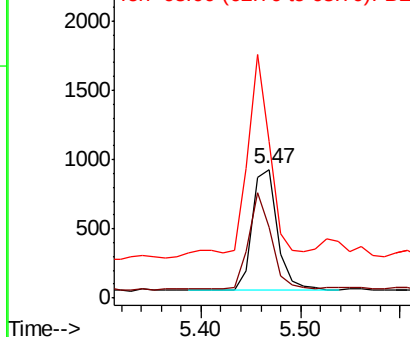
112 100

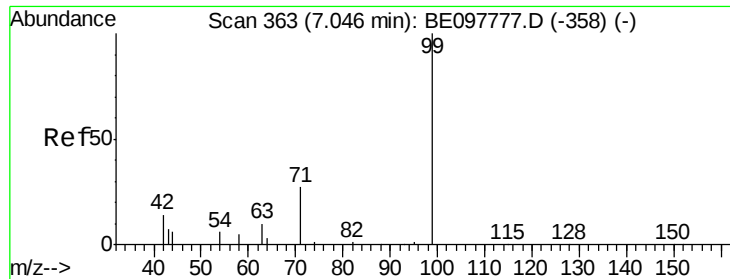
64 71.4 56.6 84.8

63 142.1 119.4 179.0



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: 0.110 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MS

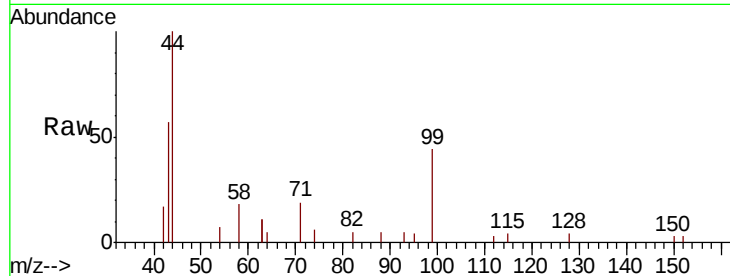
Tot Ion: 99 Resp: 1439

Ion Ratio Lower Upper

99 100

42 30.0 19.9 29.9#

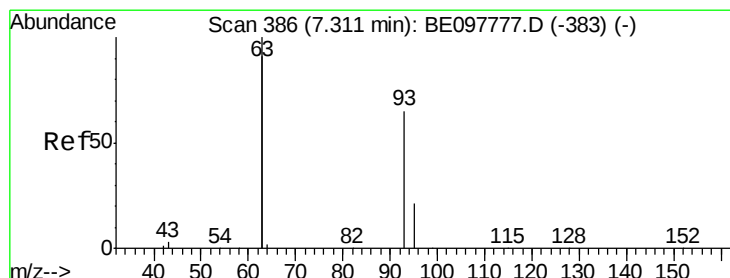
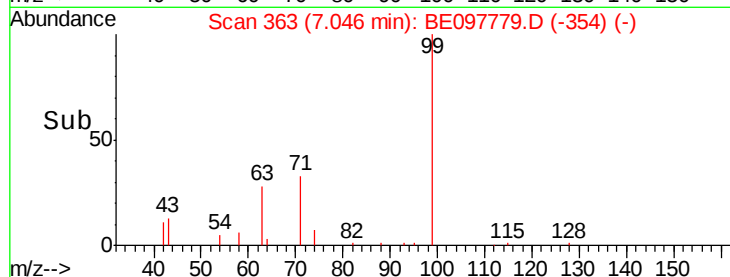
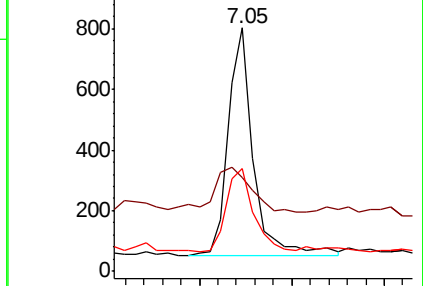
71 38.7 25.4 38.2#



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: 0.378 ng

RT: 7.31 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

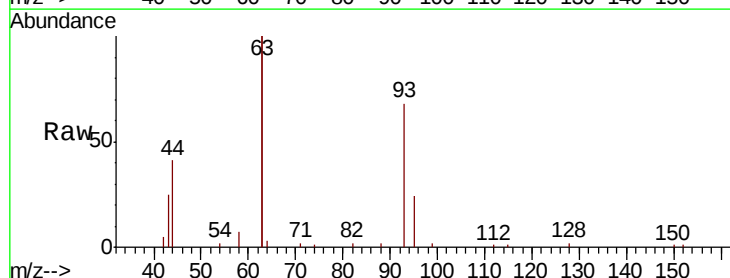
Tgt Ion: 93 Resp: 5135

Ion Ratio Lower Upper

93 100

63 348.5 266.9 400.3

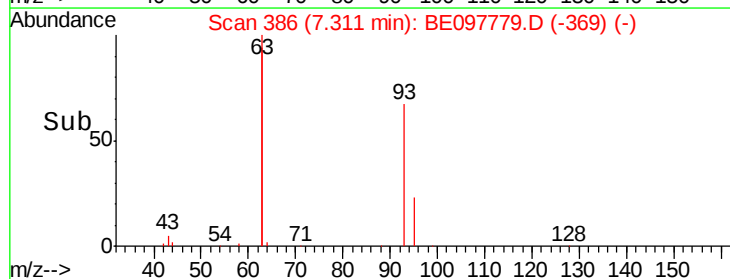
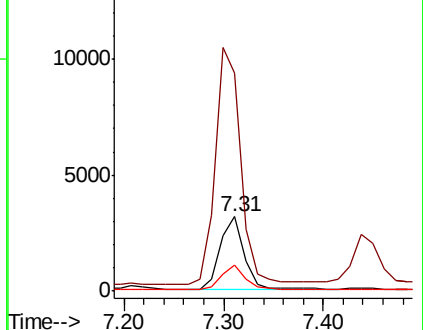
95 34.6 26.2 39.2

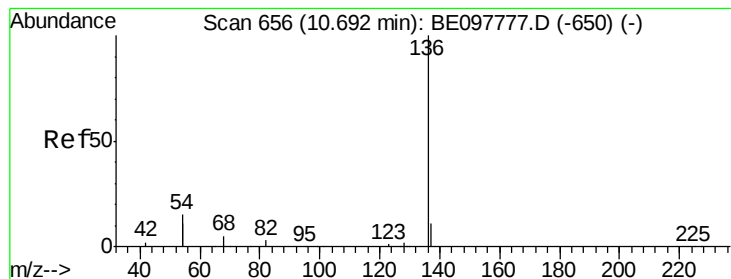


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE097779.D

Acq: 6 Oct 2018 6:56

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MS

Tot Ion:136 Resp: 13998

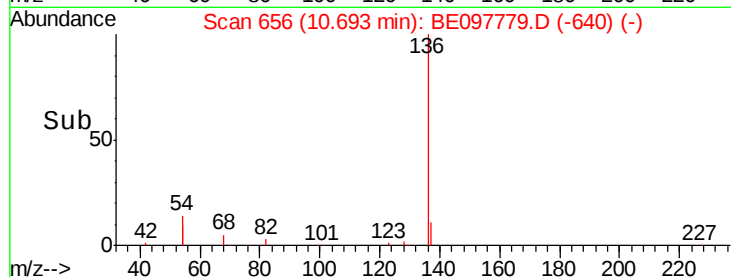
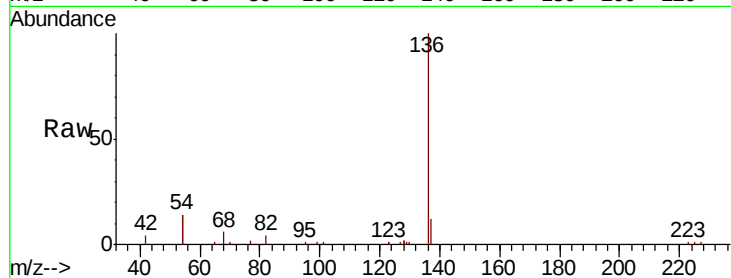
Ion Ratio Lower Upper

136 100

137 12.0 9.0 13.4

54 27.6 37.8 56.6#

68 5.8 6.4 9.6#

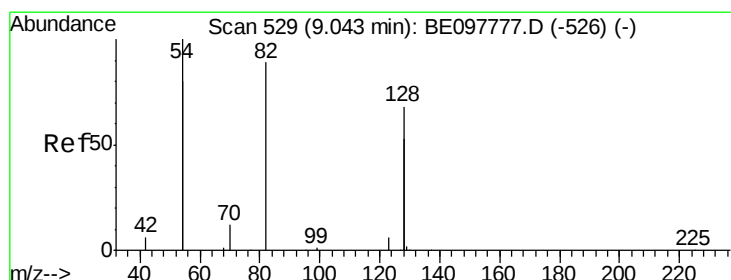
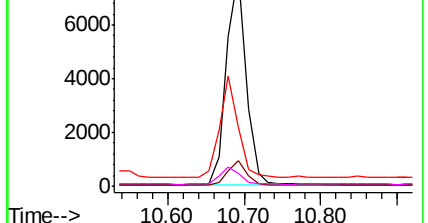


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.795 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.00 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

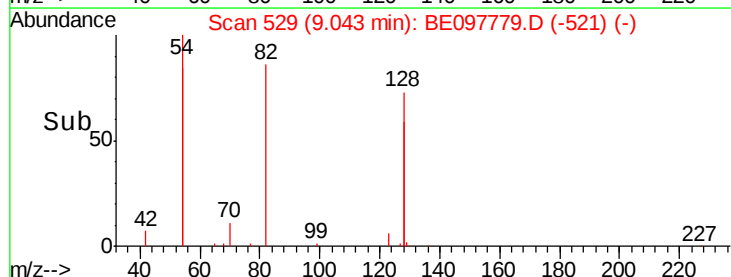
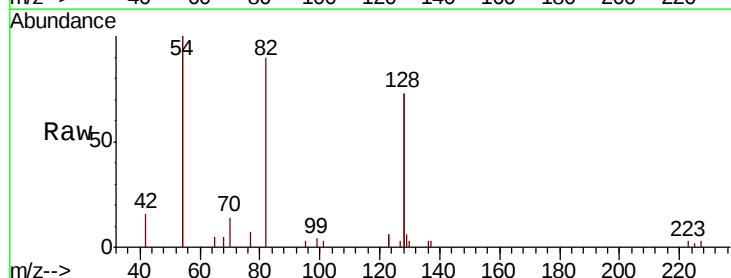
Tgt Ion: 82 Resp: 3611

Ion Ratio Lower Upper

82 100

128 161.1 97.0 145.4#

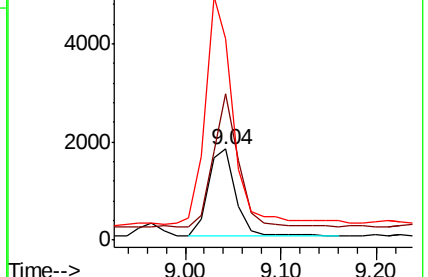
54 221.5 206.9 310.3

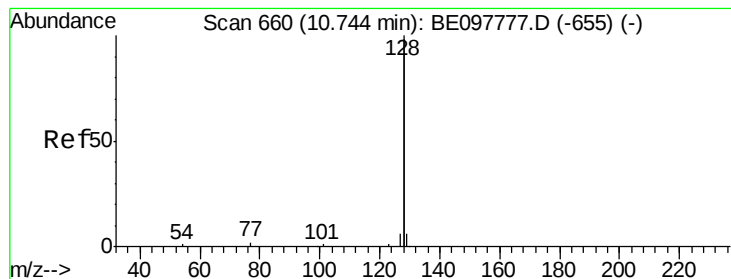


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.460 ng

RT: 10.73 min Scan# 659

Delta R.T. -0.01 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

Instrument :

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ClientSampleId :

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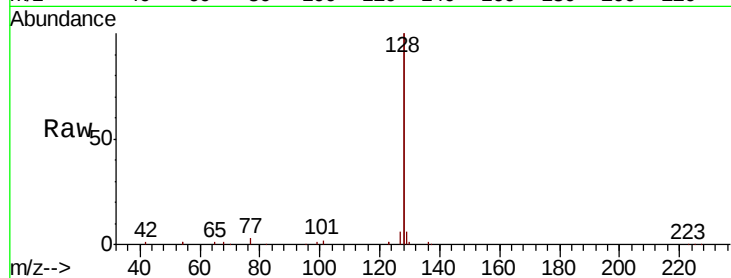
Tot Ion:128 Resp: 64831

Ion Ratio Lower Upper

128 100

129 2.8 2.2 3.2

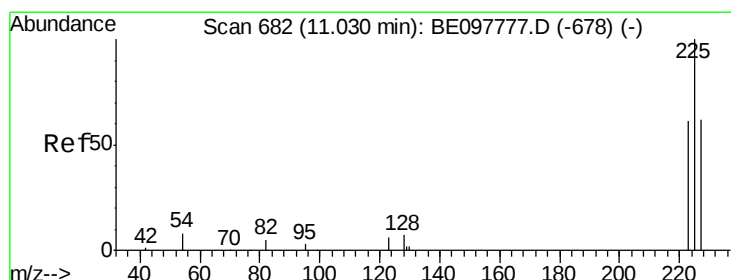
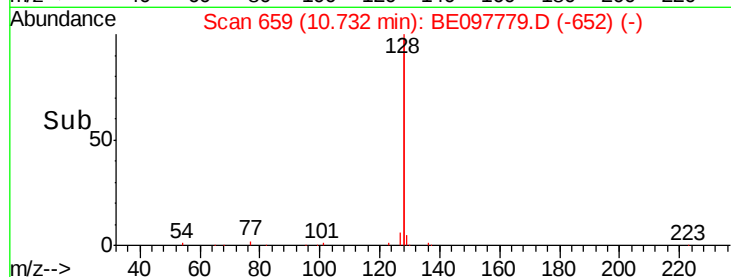
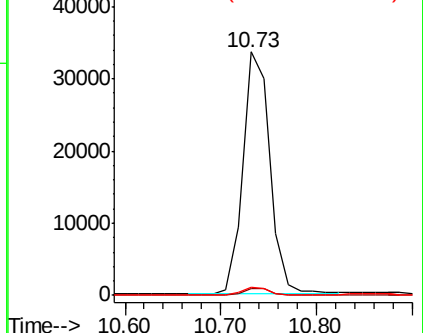
127 3.2 2.7 4.1



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: 0.371 ng

RT: 11.03 min Scan# 682

Delta R.T. -0.01 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

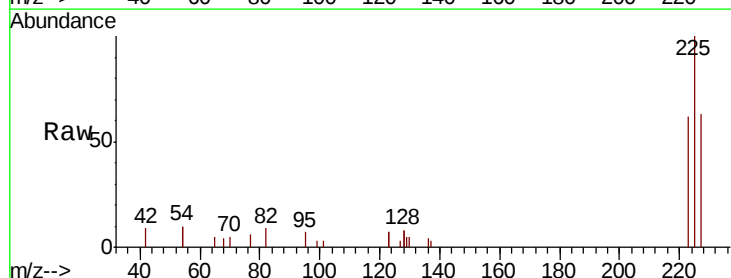
Tgt Ion:225 Resp: 2774

Ion Ratio Lower Upper

225 100

223 60.8 52.2 78.4

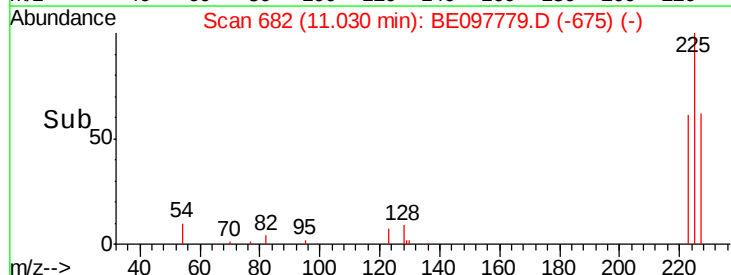
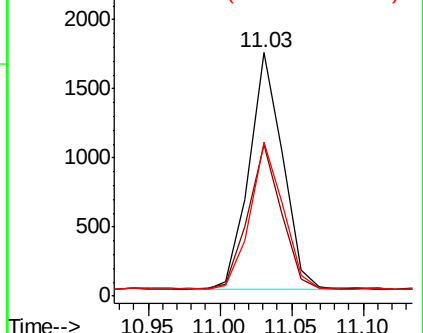
227 61.5 51.2 76.8

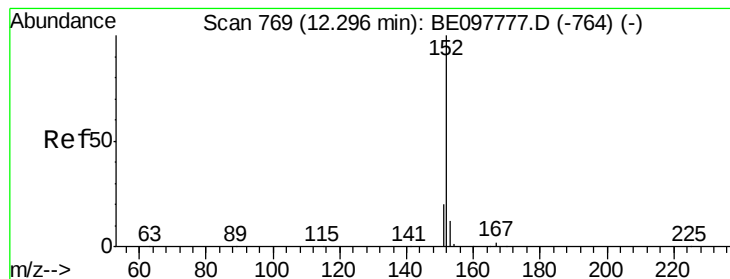


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.437 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.01 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

Instrument :

BNA_E

ClientSampleId :

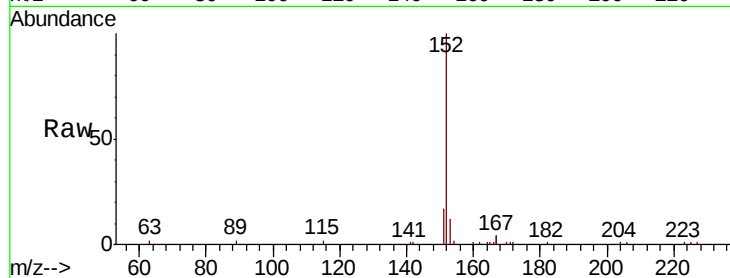
RE-125D2-2018001MS

Tot Ion:152 Resp: 9724

Ion Ratio Lower Upper

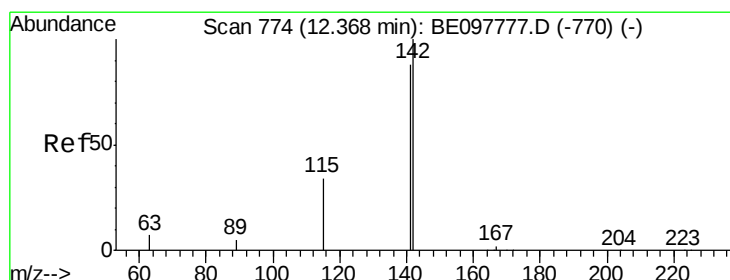
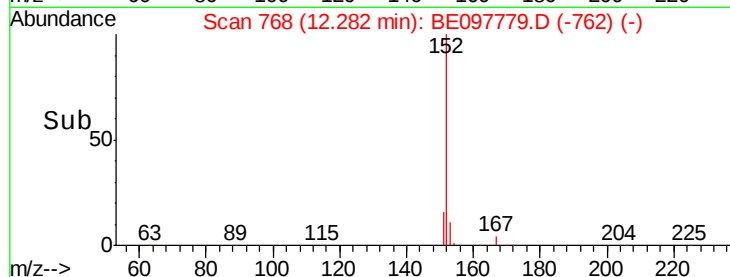
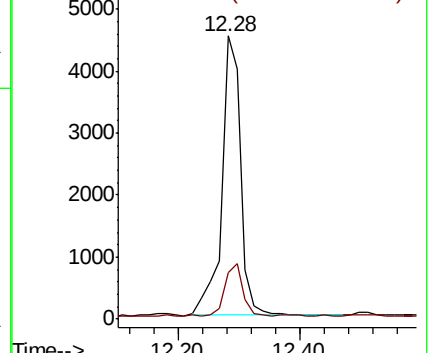
152 100

151 17.7 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: 0.459 ng

RT: 12.35 min Scan# 773

Delta R.T. -0.01 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

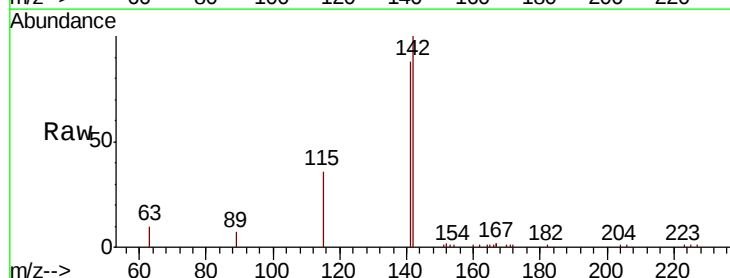
Tgt Ion:142 Resp: 10356

Ion Ratio Lower Upper

142 100

141 88.0 69.4 104.2

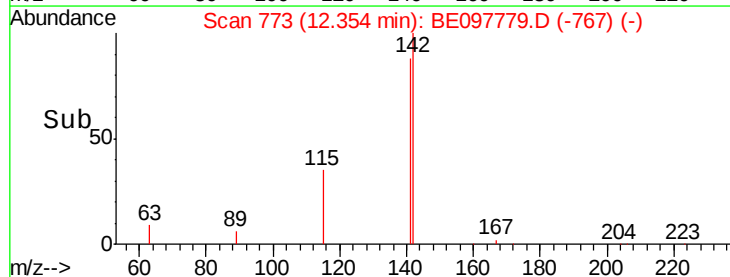
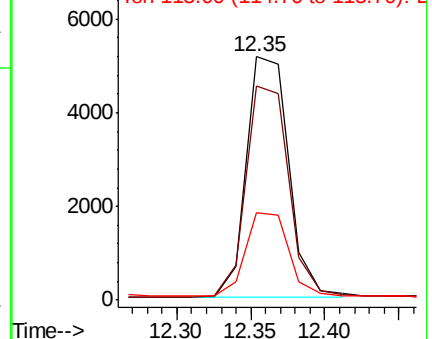
115 36.2 28.0 42.0

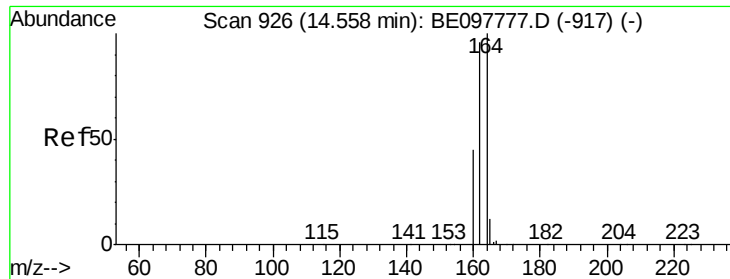


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

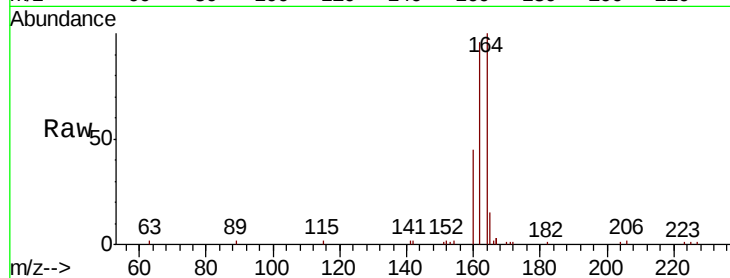




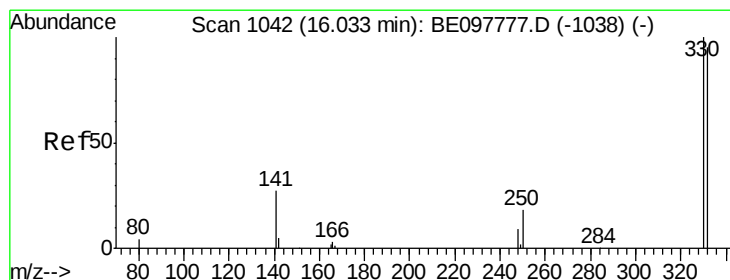
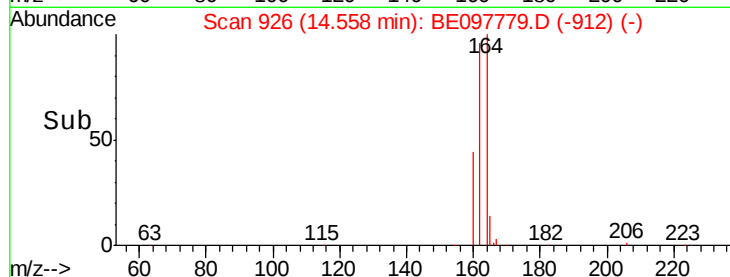
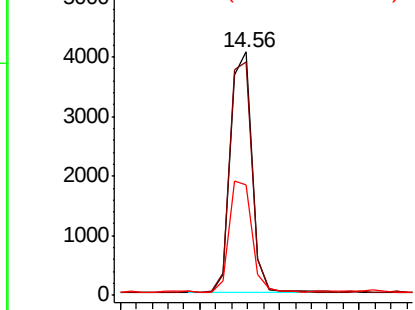
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE097779.D
Acq: 6 Oct 2018 6:56

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MS

Tot Ion:164 Resp: 7454
Ion Ratio Lower Upper
164 100
162 95.7 78.6 117.8
160 45.3 37.8 56.6

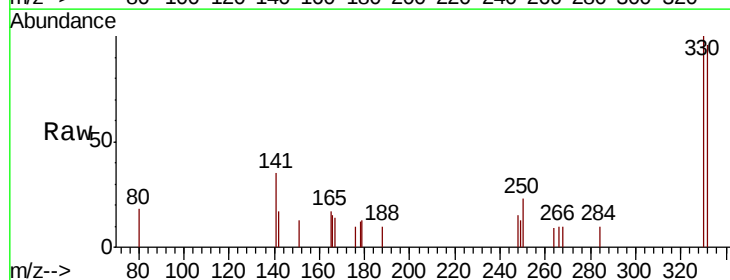


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

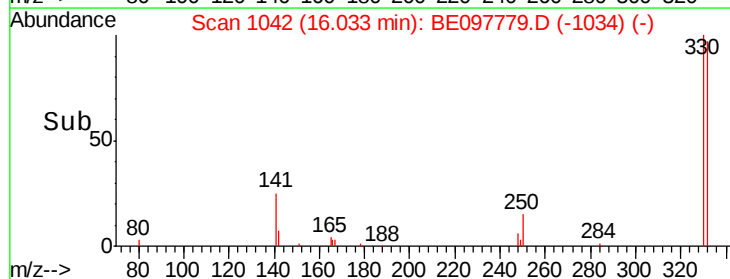
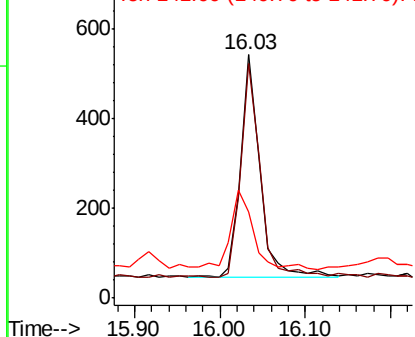


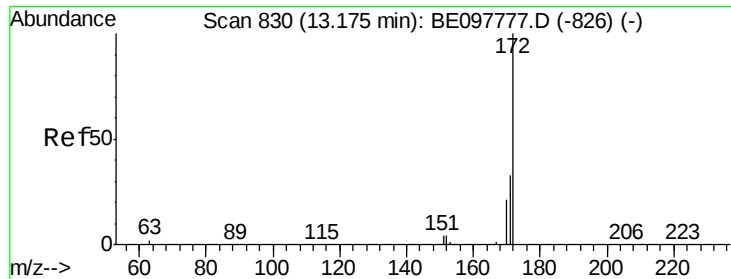
#14
2,4,6-Tribromophenol
Concen: 0.587 ng
RT: 16.03 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BE097779.D
Acq: 6 Oct 2018 6:56

Tgt Ion:330 Resp: 793
Ion Ratio Lower Upper
330 100
332 94.6 83.5 125.3
141 40.4 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

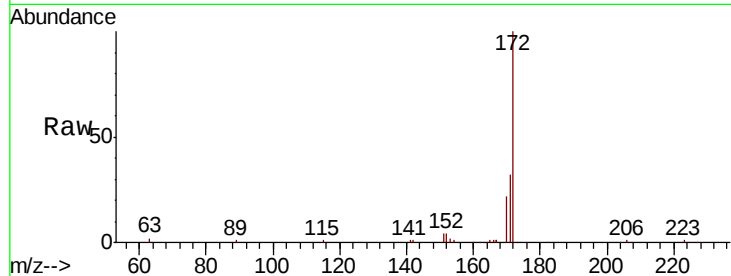




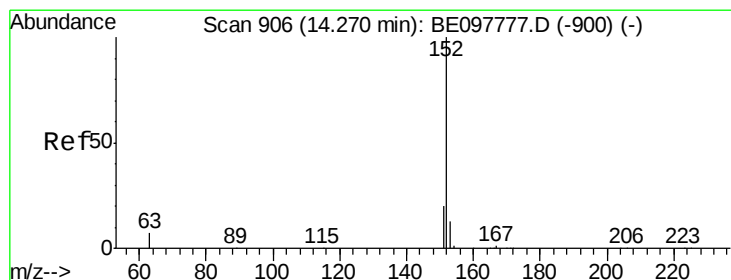
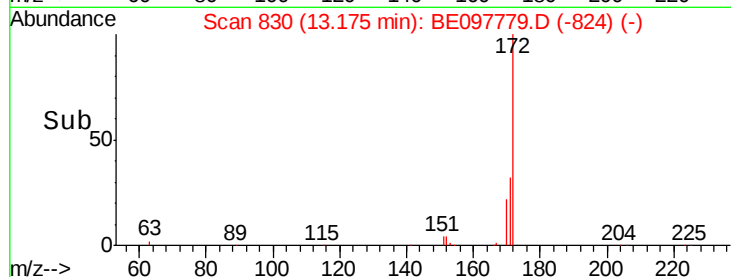
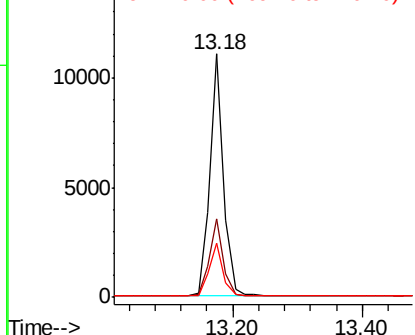
#15
2-Fluorobiphenyl
Concen: 0.501 ng
RT: 13.18 min Scan# 830
Delta R.T. -0.01 min
Lab File: BE097779.D
Acq: 6 Oct 2018 6:56

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MS

Tot Ion:172 Resp: 16429
Ion Ratio Lower Upper
172 100
171 32.2 25.2 37.8
170 22.0 16.2 24.2

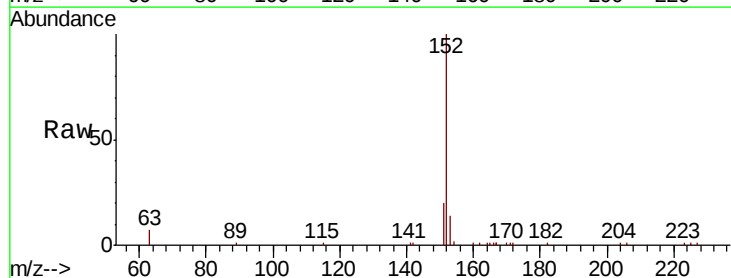


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

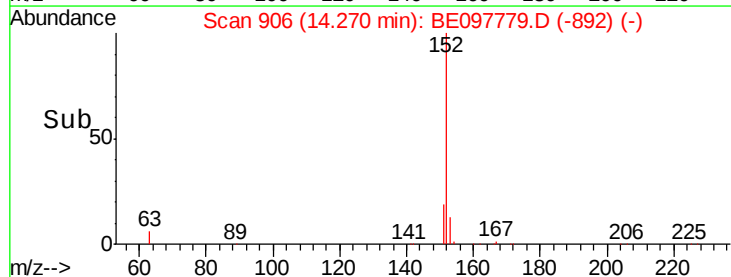
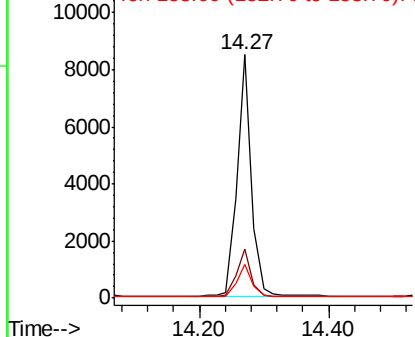


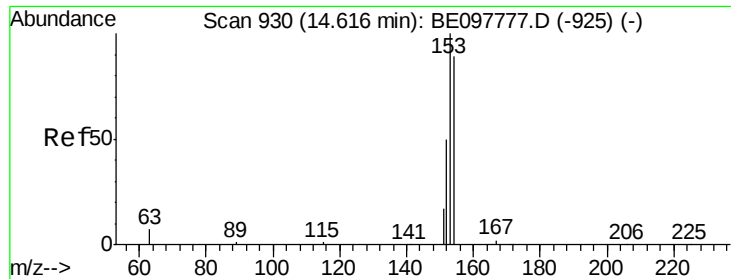
#16
Acenaphthylene
Concen: 0.394 ng
RT: 14.27 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097779.D
Acq: 6 Oct 2018 6:56

Tgt Ion:152 Resp: 13017
Ion Ratio Lower Upper
152 100
151 19.6 15.3 22.9
153 13.9 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

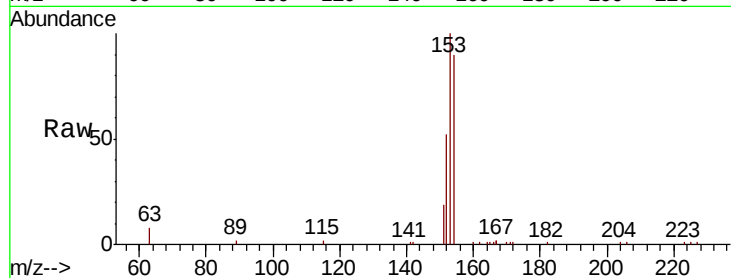




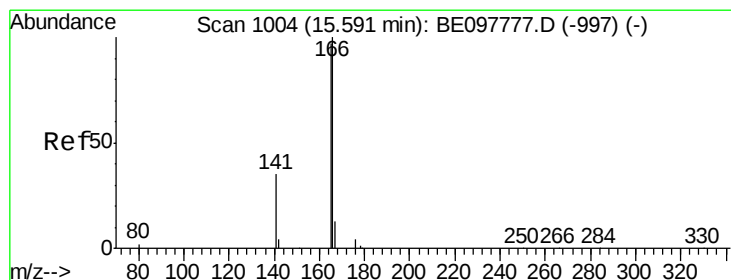
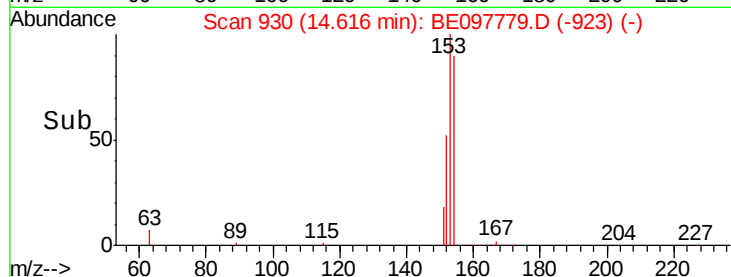
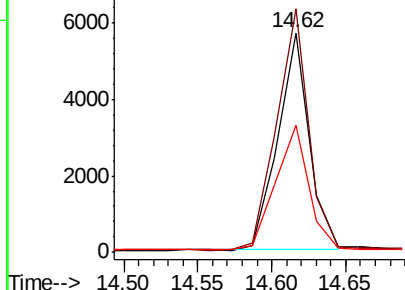
#17
Acenaphthene
Concen: 0.394 ng
RT: 14.62 min Scan# 930
Delta R.T. -0.00 min
Lab File: BE097779.D
Acq: 6 Oct 2018 6:56

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MS

Tot Ion:154 Resp: 8329
Ion Ratio Lower Upper
154 100
153 114.1 93.3 139.9
152 61.0 48.9 73.3

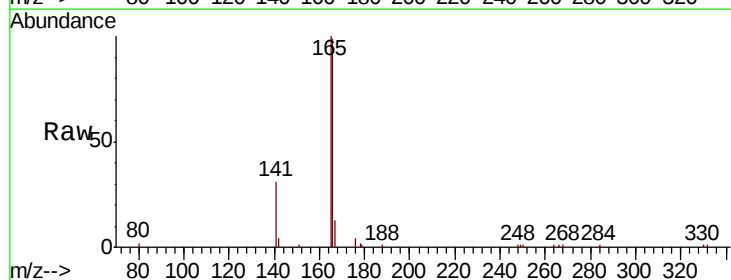


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

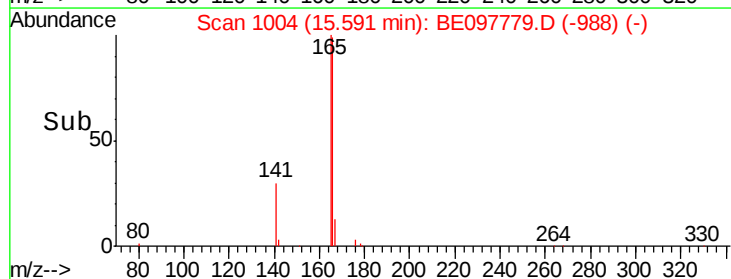
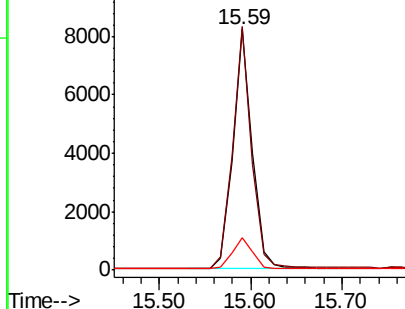


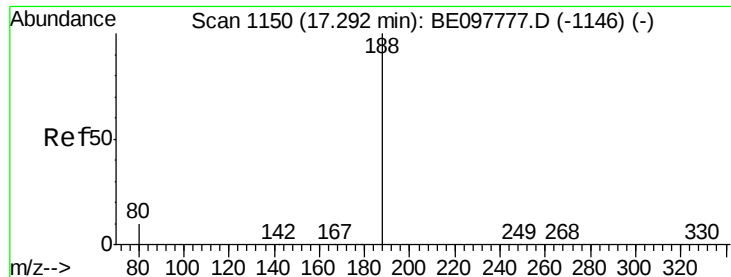
#18
Fluorene
Concen: 0.423 ng
RT: 15.59 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BE097779.D
Acq: 6 Oct 2018 6:56

Tgt Ion:166 Resp: 11875
Ion Ratio Lower Upper
166 100
165 99.9 79.0 118.4
167 13.4 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: BE097779.D

Acq: 6 Oct 2018 6:56

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MS

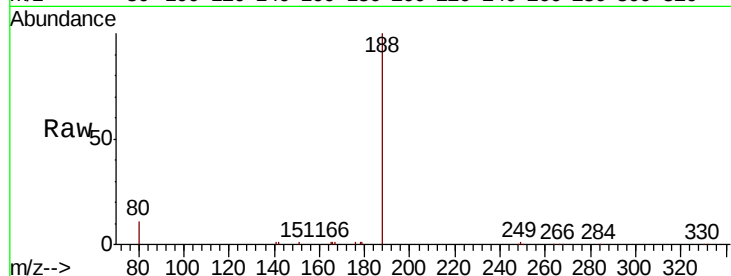
Tot Ion:188 Resp: 19090

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

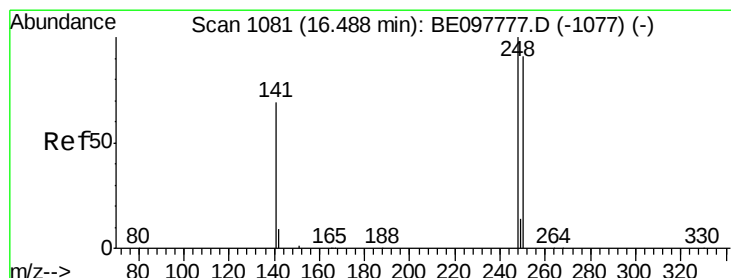
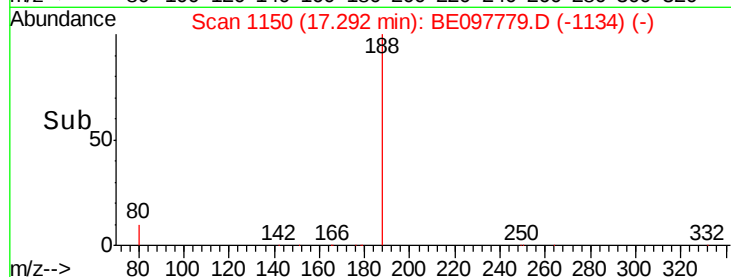
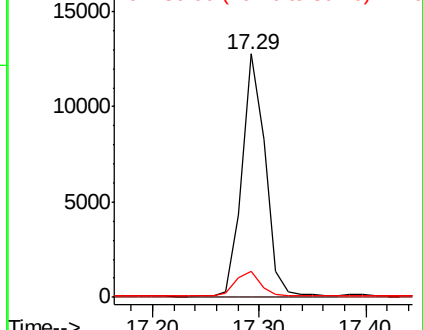
80 10.6 6.6 9.8#



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: 0.394 ng

RT: 16.49 min Scan# 1081

Delta R.T. -0.01 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

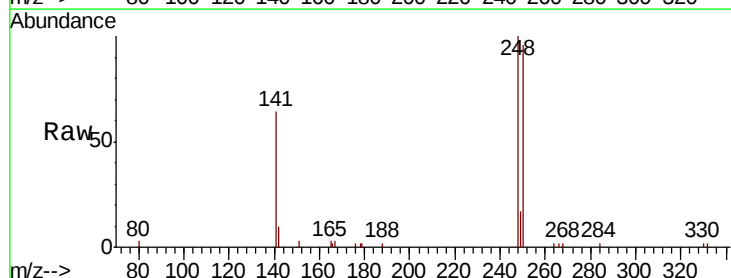
Tgt Ion:248 Resp: 3940

Ion Ratio Lower Upper

248 100

250 96.0 76.1 114.1

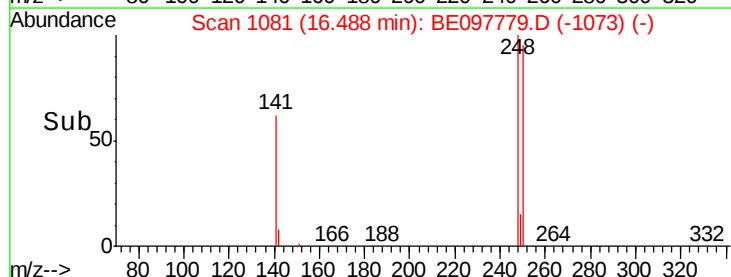
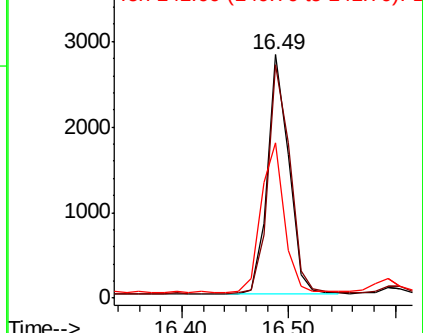
141 63.9 42.2 63.4#

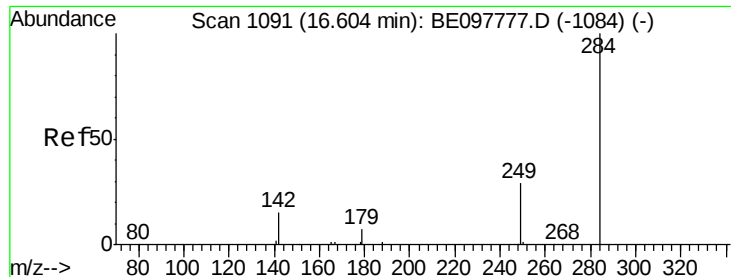


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.355 ng

RT: 16.60 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MS

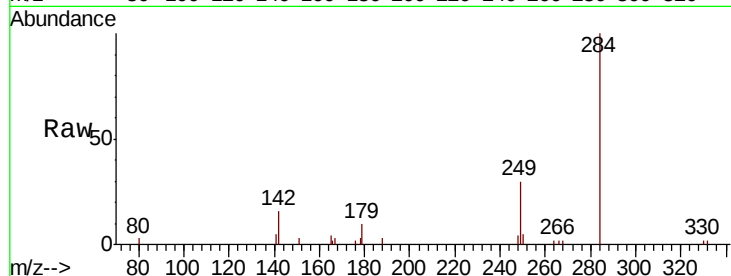
Tot Ion:284 Resp: 3997

Ion Ratio Lower Upper

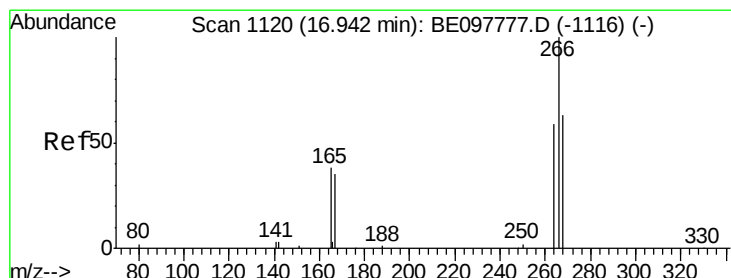
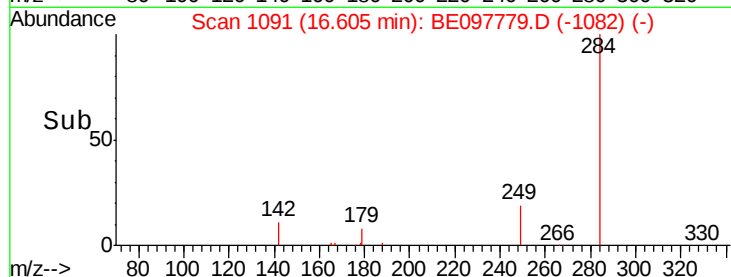
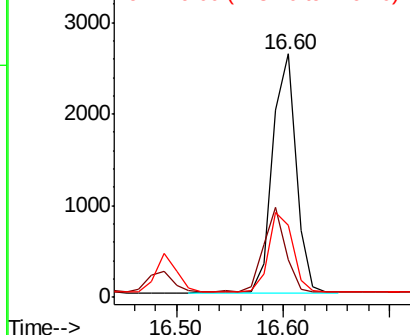
284 100

142 33.1 24.9 37.3

249 34.6 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: 1.179 ng

RT: 16.94 min Scan# 1120

Delta R.T. -0.01 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

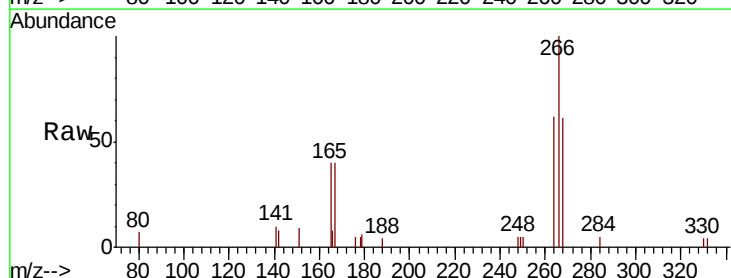
Tgt Ion:266 Resp: 2084

Ion Ratio Lower Upper

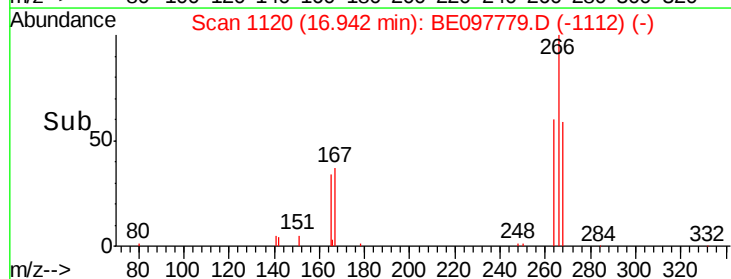
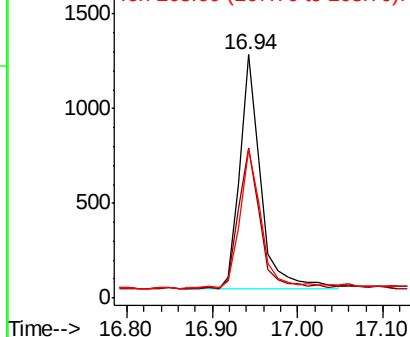
266 100

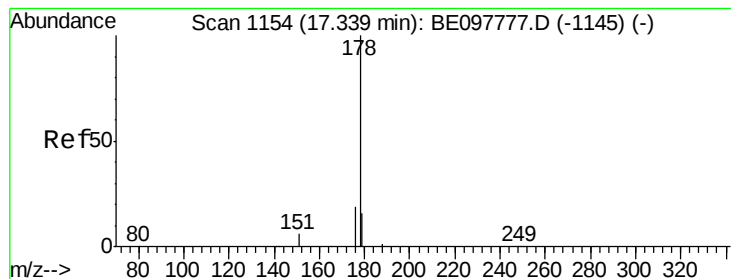
264 61.7 46.8 70.2

268 60.9 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: 0.431 ng

RT: 17.34 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MS

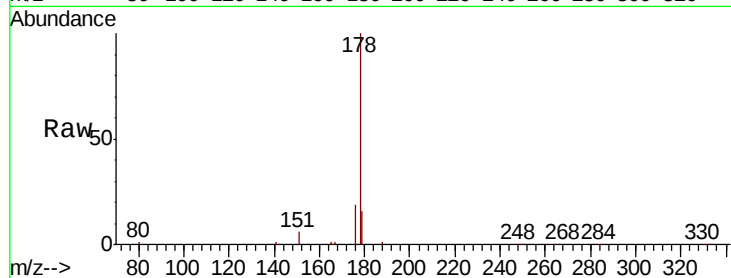
Tot Ion:178 Resp: 21185

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

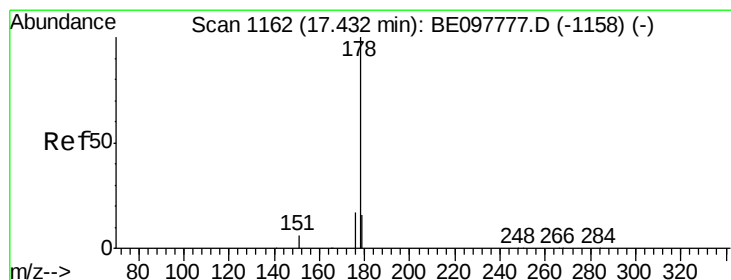
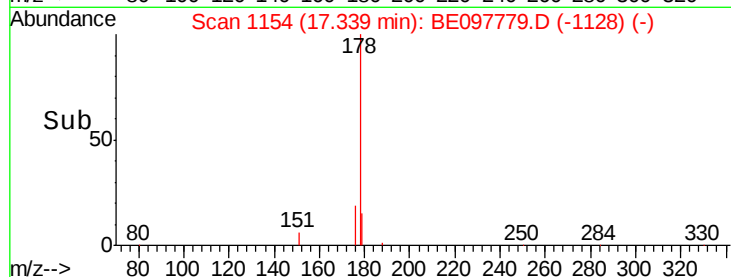
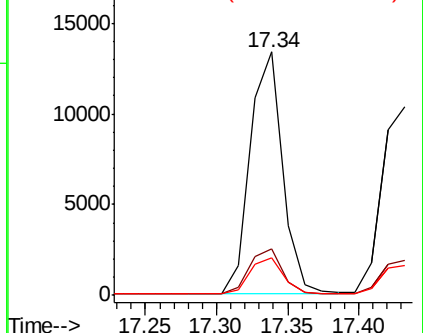
179 15.3 12.2 18.4



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: 0.411 ng

RT: 17.43 min Scan# 1162

Delta R.T. 0.00 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

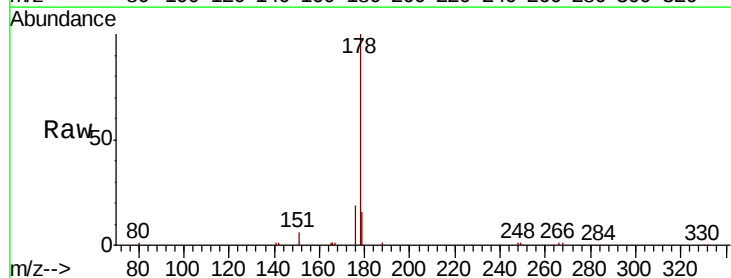
Tgt Ion:178 Resp: 17454

Ion Ratio Lower Upper

178 100

176 17.9 15.1 22.7

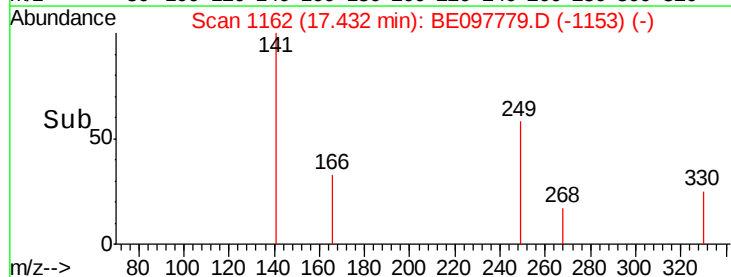
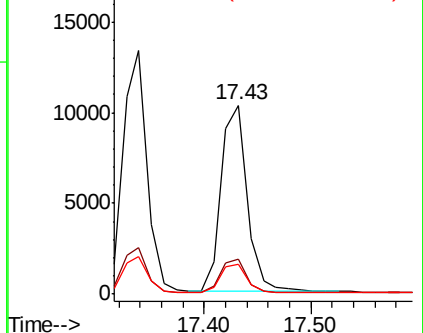
179 15.4 12.2 18.2

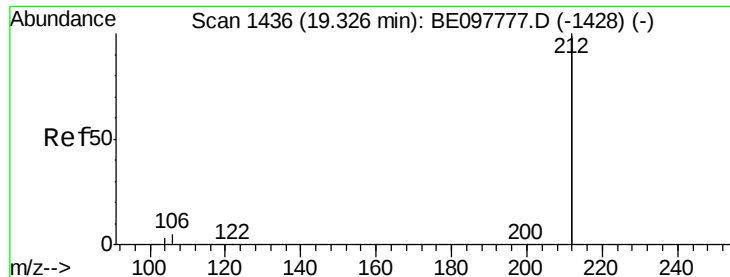


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.453 ng

RT: 19.33 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MS

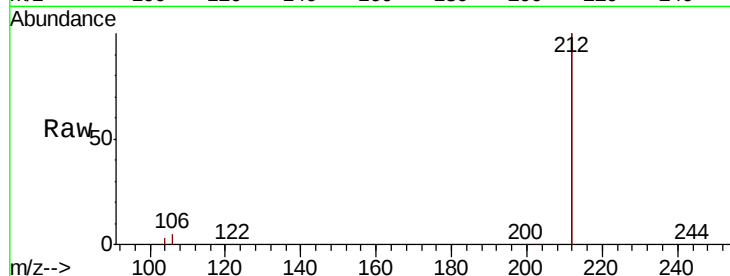
Tot Ion:212 Resp: 109529

Ion Ratio Lower Upper

212 100

106 2.7 2.2 3.2

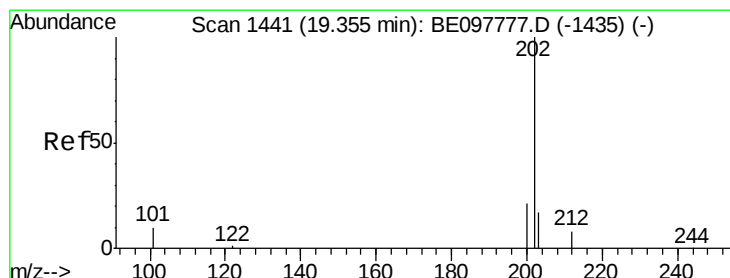
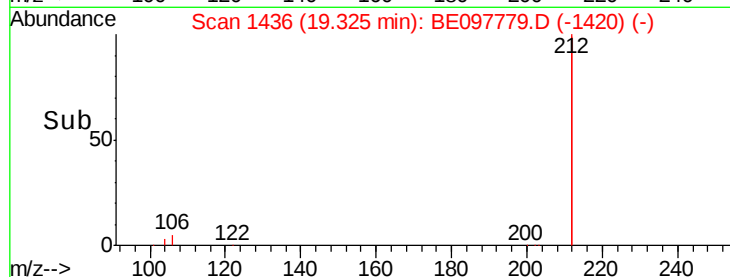
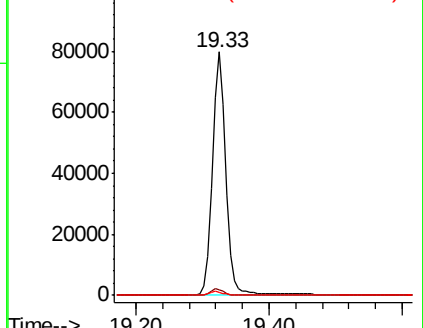
104 1.5 1.2 1.8



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: 0.462 ng

RT: 19.35 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

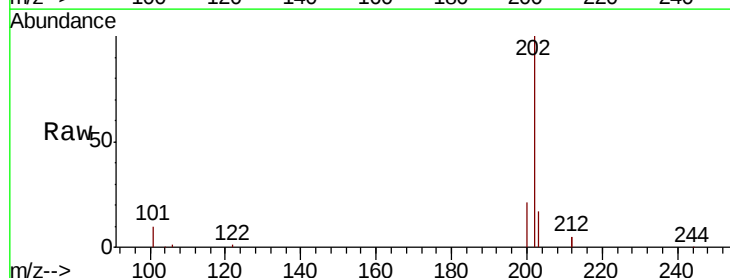
Tgt Ion:202 Resp: 28940

Ion Ratio Lower Upper

202 100

101 10.0 7.8 11.8

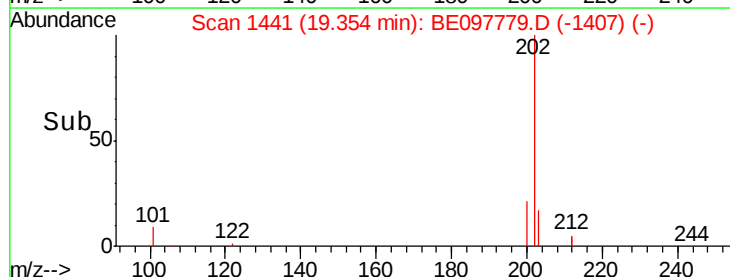
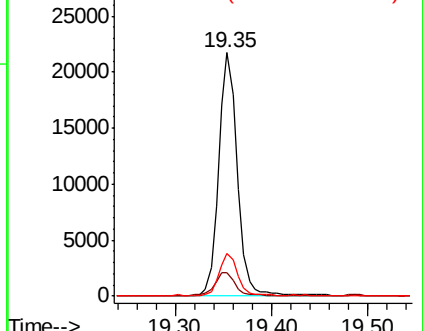
203 16.8 13.8 20.6

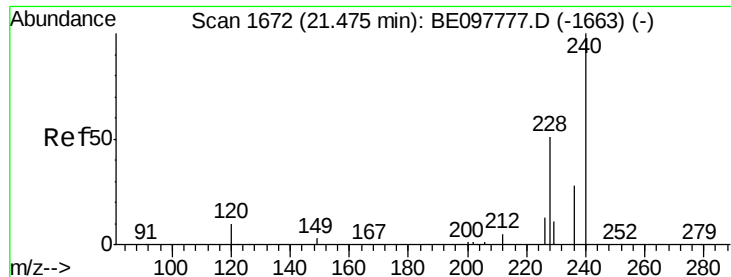


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.48 min Scan# 1672

Delta R.T. -0.01 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MS

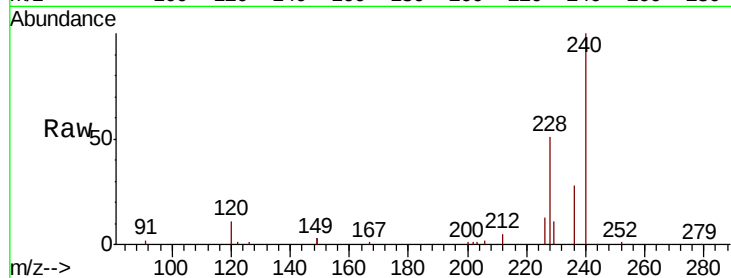
Tot Ion:240 Resp: 29407

Ion Ratio Lower Upper

240 100

120 10.5 4.7 7.1#

236 27.9 20.8 31.2

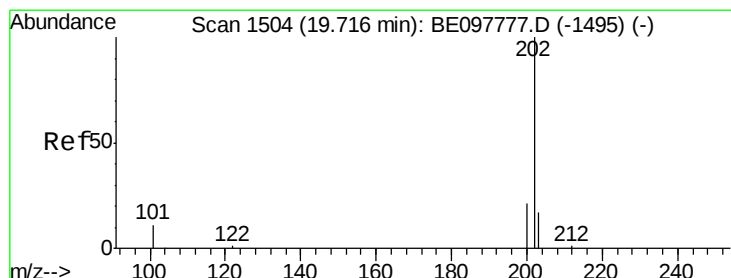
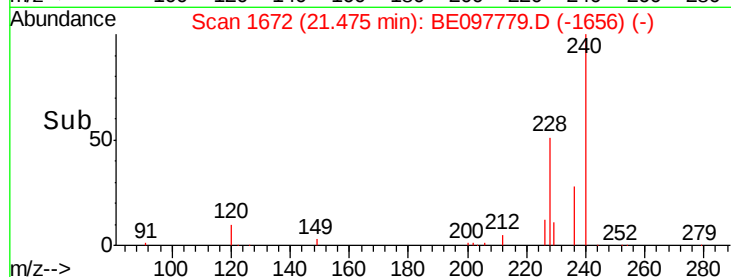
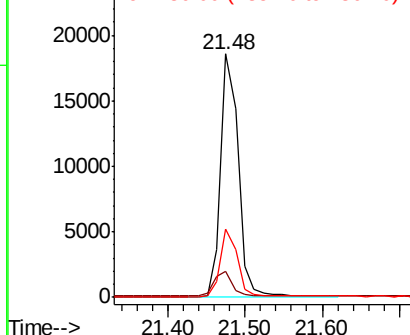


Abundance

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: 0.392 ng

RT: 19.72 min Scan# 1504

Delta R.T. -0.01 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

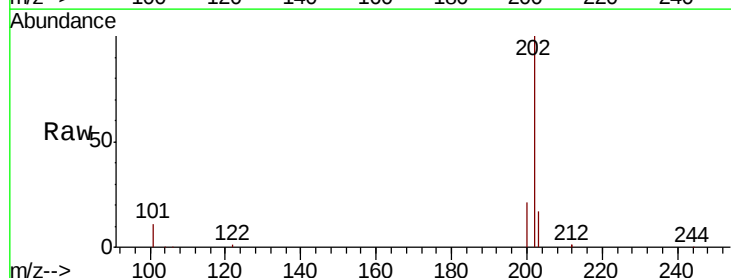
Tgt Ion:202 Resp: 29307

Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 17.9 13.9 20.9

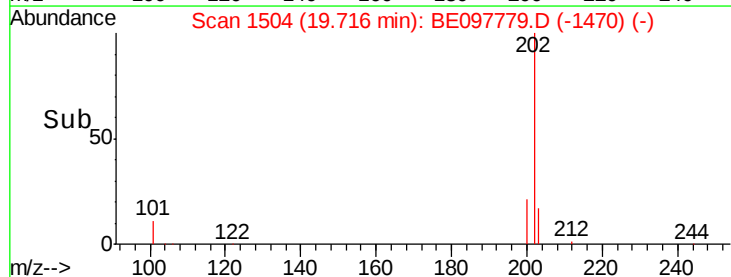
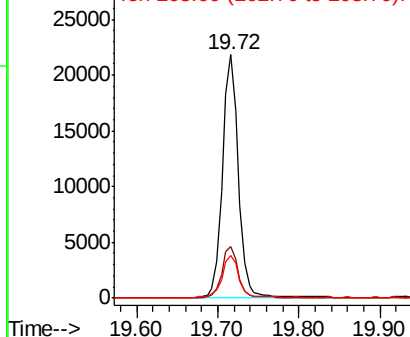


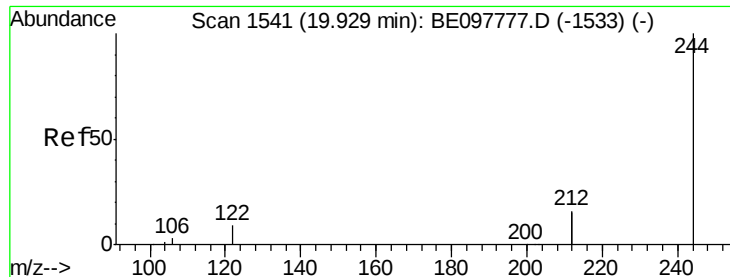
Abundance

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: 0.405 ng

RT: 19.93 min Scan# 1541

Delta R.T. -0.01 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MS

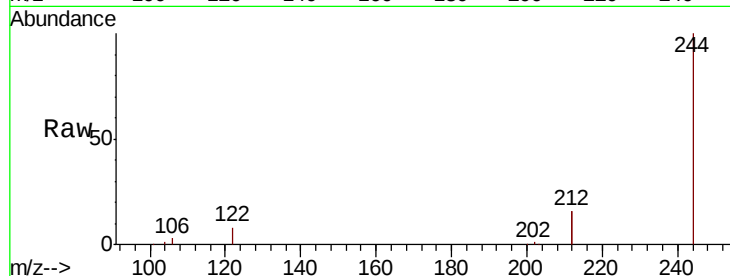
Tot Ion:244 Resp: 24341

Ion Ratio Lower Upper

244 100

212 31.3 25.8 38.8

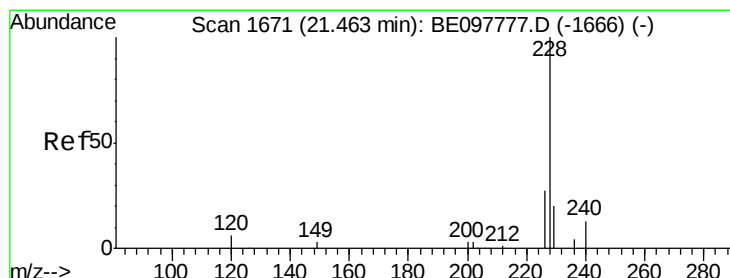
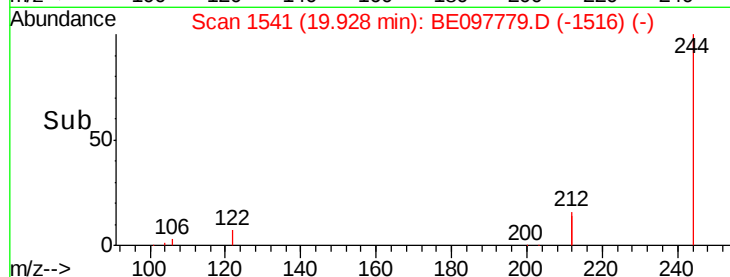
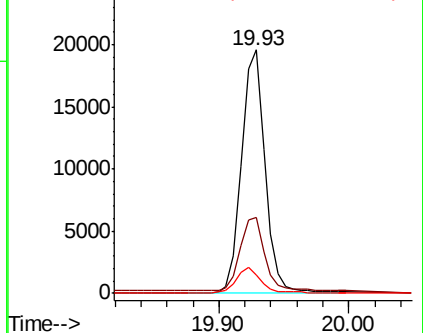
122 7.8 8.7 13.1#



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: 0.440 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.01 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

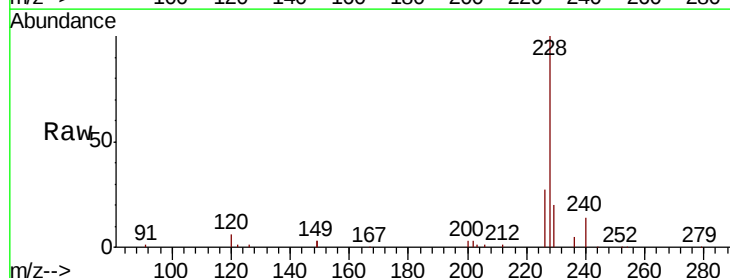
Tgt Ion:228 Resp: 34774

Ion Ratio Lower Upper

228 100

226 27.0 20.7 31.1

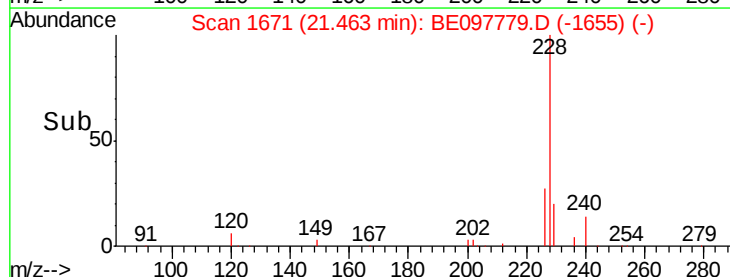
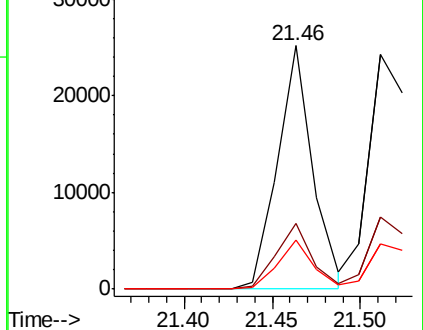
229 20.0 15.7 23.5

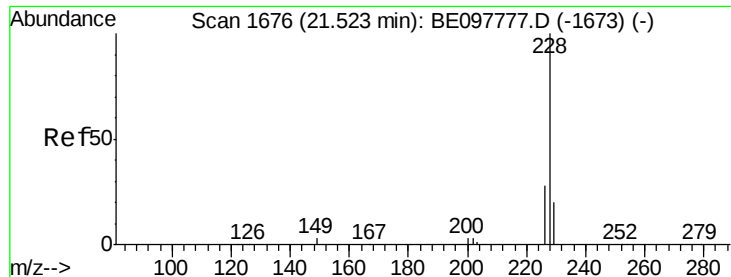


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.444 ng

RT: 21.51 min Scan# 1675

Delta R.T. -0.01 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MS

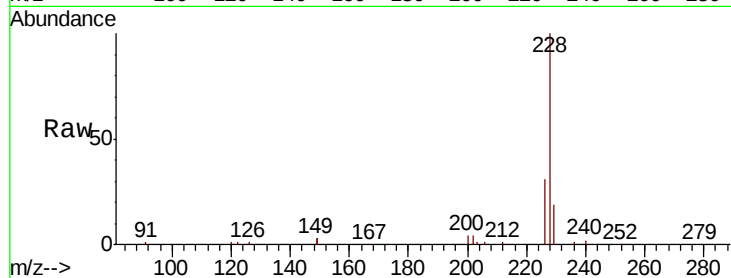
Tot Ion:228 Resp: 39206

Ion Ratio Lower Upper

228 100

226 30.9 24.3 36.5

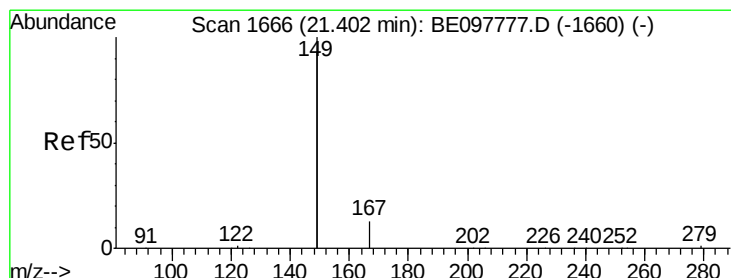
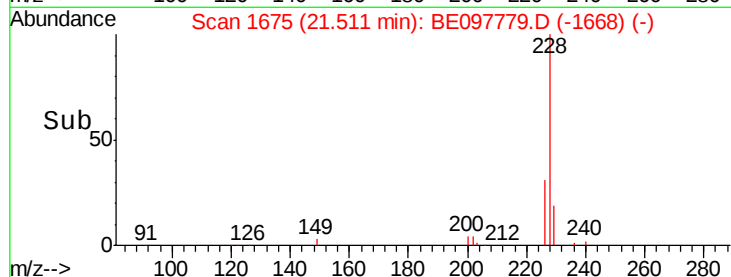
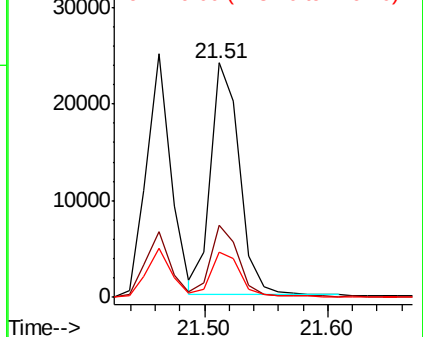
229 19.3 16.0 24.0



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: 0.647 ng

RT: 21.40 min Scan# 1666

Delta R.T. -0.01 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

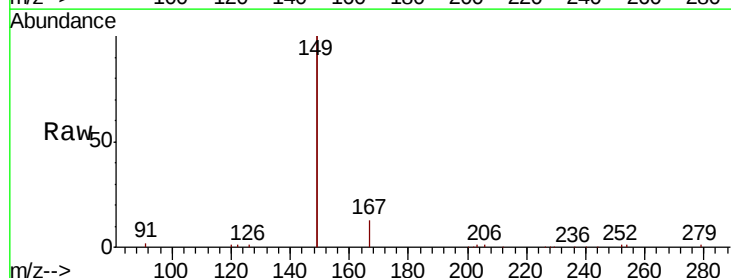
Tgt Ion:149 Resp: 37402

Ion Ratio Lower Upper

149 100

167 6.9 5.5 8.3

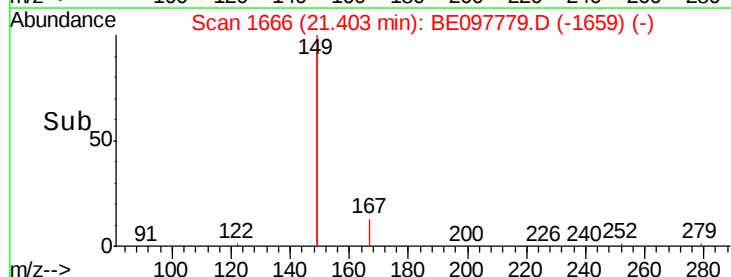
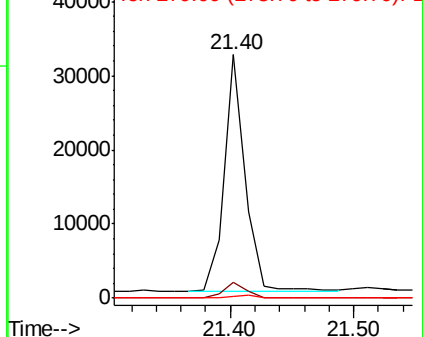
279 1.1 0.9 1.3

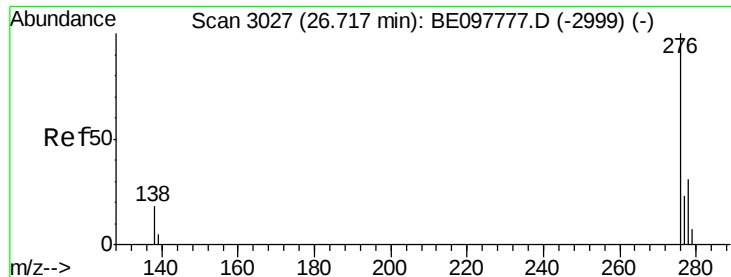


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.426 ng

RT: 26.72 min Scan# 3027

Delta R.T. -0.02 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MS

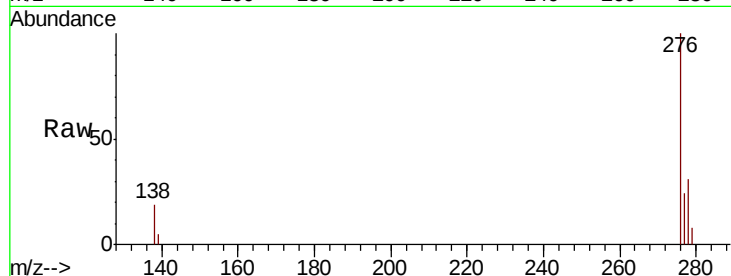
Tot Ion:276 Resp: 32715

Ion Ratio Lower Upper

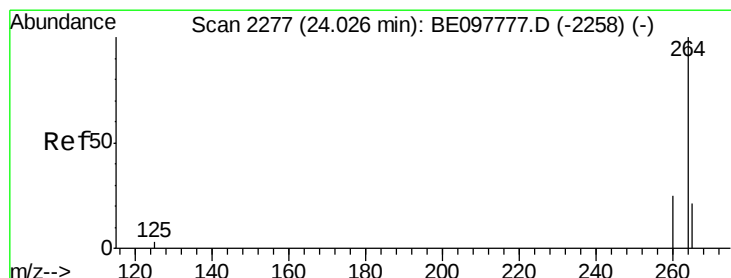
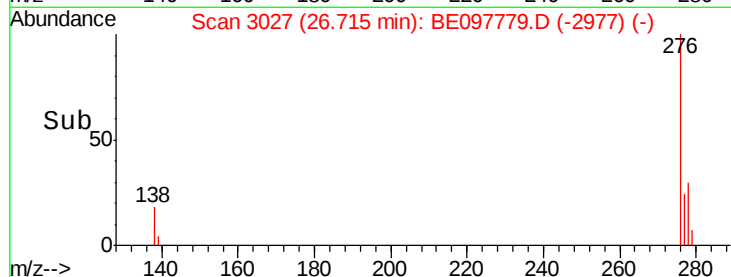
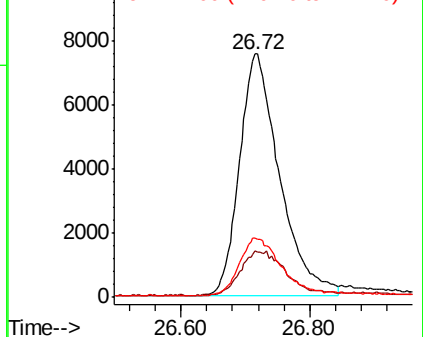
276 100

138 20.1 15.0 22.6

277 24.7 19.2 28.8



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: 24.03 min Scan# 2278

Delta R.T. -0.01 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

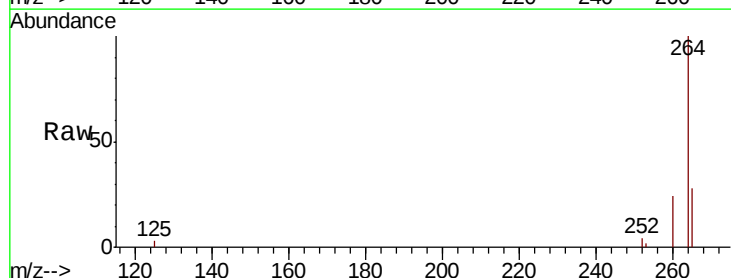
Tgt Ion:264 Resp: 28160

Ion Ratio Lower Upper

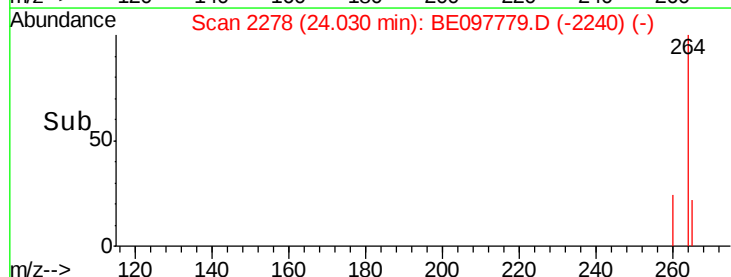
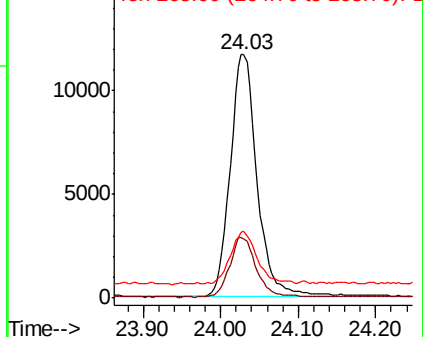
264 100

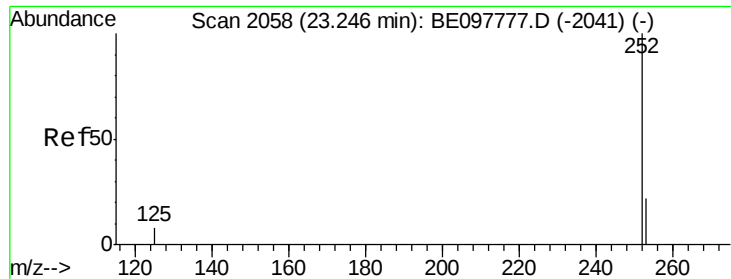
260 24.4 19.1 28.7

265 27.7 21.9 32.9



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: 0.439 ng

RT: 23.25 min Scan# 2058

Delta R.T. -0.01 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MS

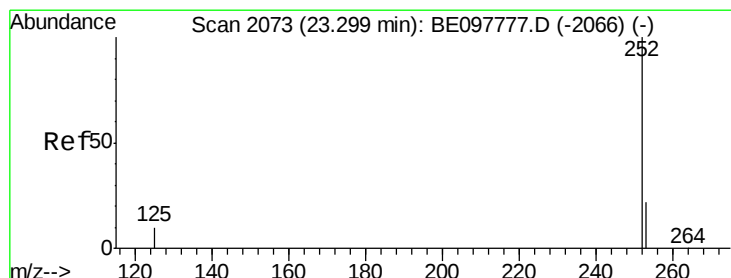
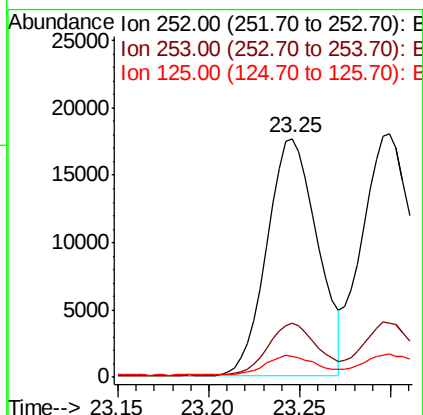
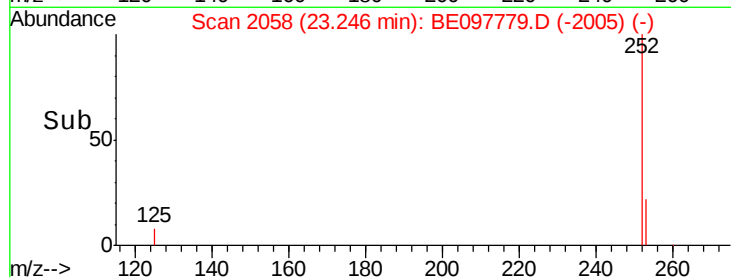
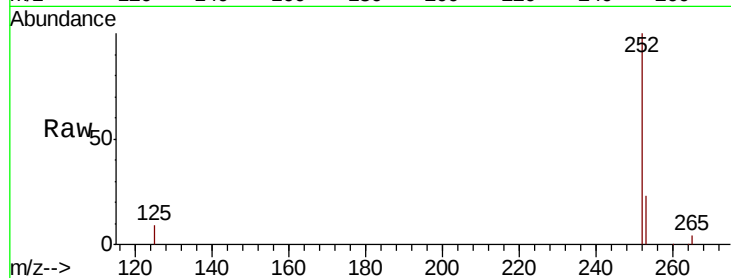
Tot Ion:252 Resp: 33896

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 8.8 7.8 11.8



#36

Benzo(k)fluoranthene

Concen: 0.444 ng

RT: 23.30 min Scan# 2073

Delta R.T. -0.01 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

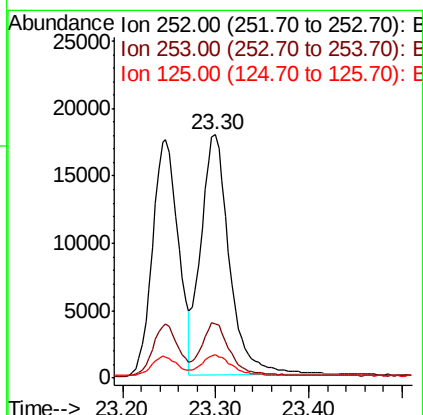
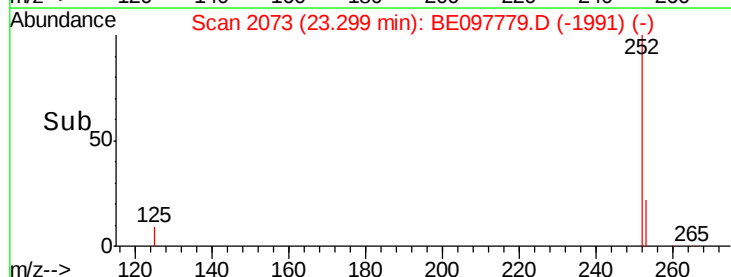
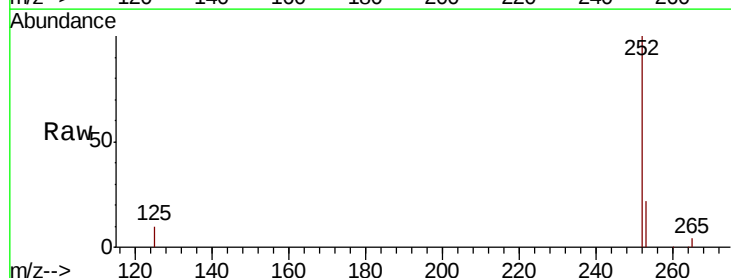
Tgt Ion:252 Resp: 38040

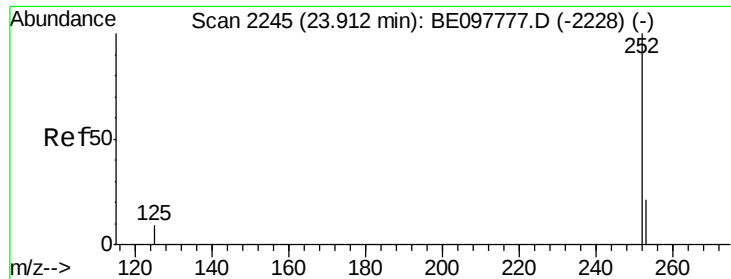
Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 9.6 7.5 11.3





#37

Benzo(a)pyrene

Concen: 0.422 ng

RT: 23.91 min Scan# 2245

Delta R.T. -0.01 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MS

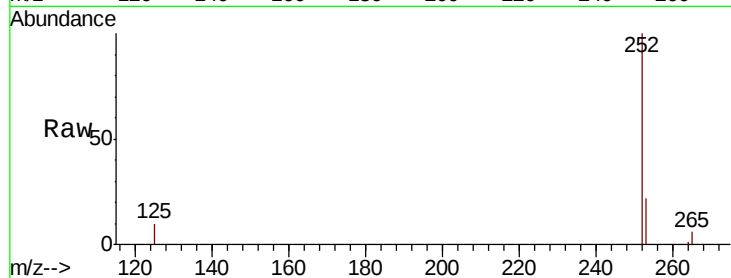
Tot Ion:252 Resp: 29511

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

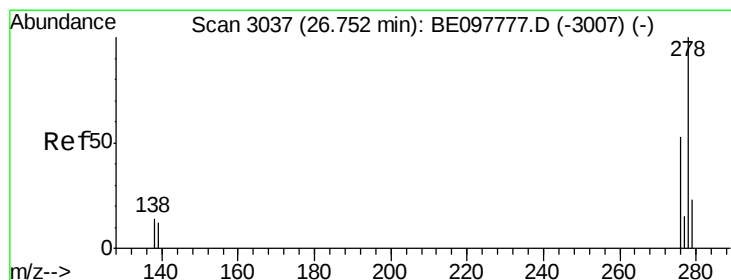
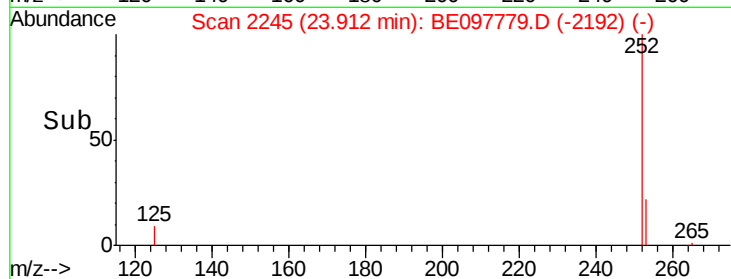
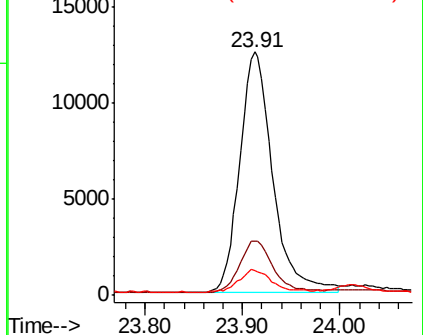
125 10.1 8.3 12.5



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: 0.409 ng

RT: 26.75 min Scan# 3037

Delta R.T. -0.02 min

Lab File: BE097779.D

Acq: 6 Oct 2018 6:56

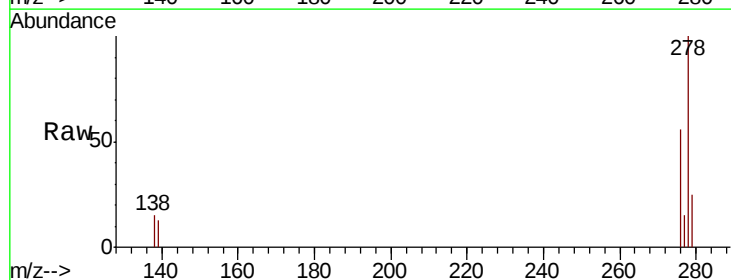
Tgt Ion:278 Resp: 28175

Ion Ratio Lower Upper

278 100

139 12.6 10.3 15.5

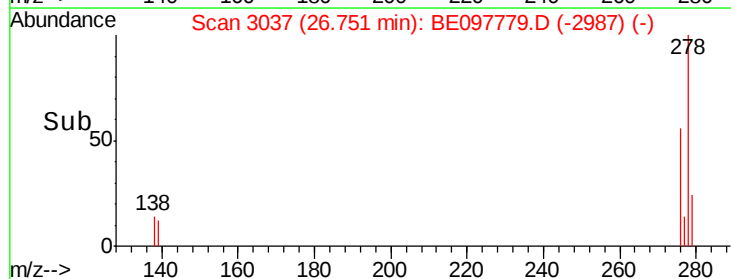
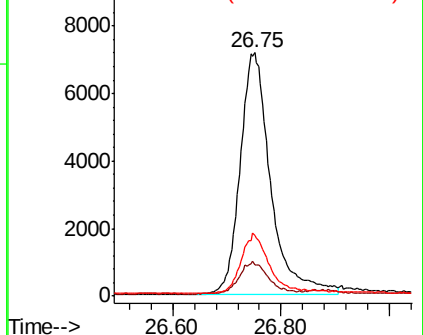
279 25.0 18.4 27.6

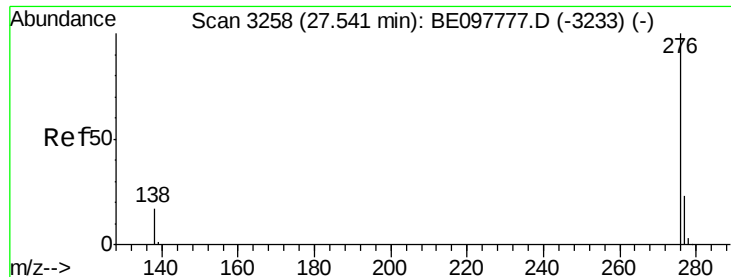


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.413 ng

RT: 27.54 min Scan# 3257

Delta R.T. -0.02 min

Lab File: BE097779.D

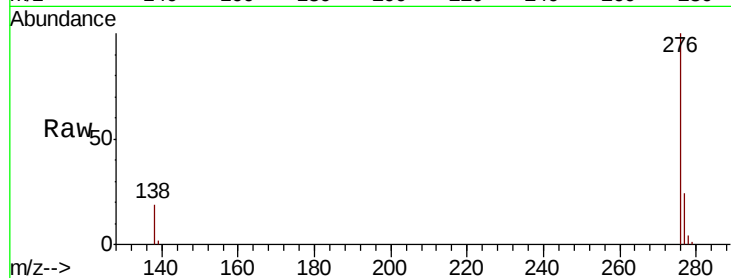
Acq: 6 Oct 2018 6:56

Instrument :

BNA_E

ClientSampleId :

RE-125D2-2018001MS



Tot Ion: 276 Resp: 29749

Ion Ratio Lower Upper

276 100

277 24.3 19.1 28.7

138 19.0 14.2 21.2

Abundance Ion 276.00 (275.70 to 276.70): E
 10000 Ion 277.00 (276.70 to 277.70): E
 8000 Ion 138.00 (137.70 to 138.70): E

