

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE101618\
 Data File : BE097926.D
 Acq On : 17 Oct 2018 1:02
 Operator : SJ/JU
 Sample : J5317-03MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE-122D3-20181004MS

Quant Time: Oct 17 08:27:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE101618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 15:36:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	1810	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	7779	0.40	ng	0.00
13) Acenaphthene-d10	14.56	164	5006	0.40	ng	0.00
19) Phenanthrene-d10	17.29	188	15458	0.40	ng	-0.01
27) Chrysene-d12	21.47	240	22215	0.40	ng	-0.01
34) Perylene-d12	24.04	264	17769	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.47	112	1162	0.20	ng	0.00
5) Phenol-d6	7.06	99	1054	0.12	ng	0.00
8) Nitrobenzene-d5	9.03	82	2896	0.39	ng	-0.01
11) 2-Methylnaphthalene-d10	12.28	152	8222	0.64	ng	-0.02
14) 2,4,6-Tribromophenol	16.04	330	1173	0.44	ng	0.00
15) 2-Fluorobiphenyl	13.17	172	9867	0.48	ng	0.00
25) Fluoranthene-d10	19.33	212	95393	0.46	ng	0.00
29) Terphenyl-d14	19.92	244	26421	0.52	ng	0.00

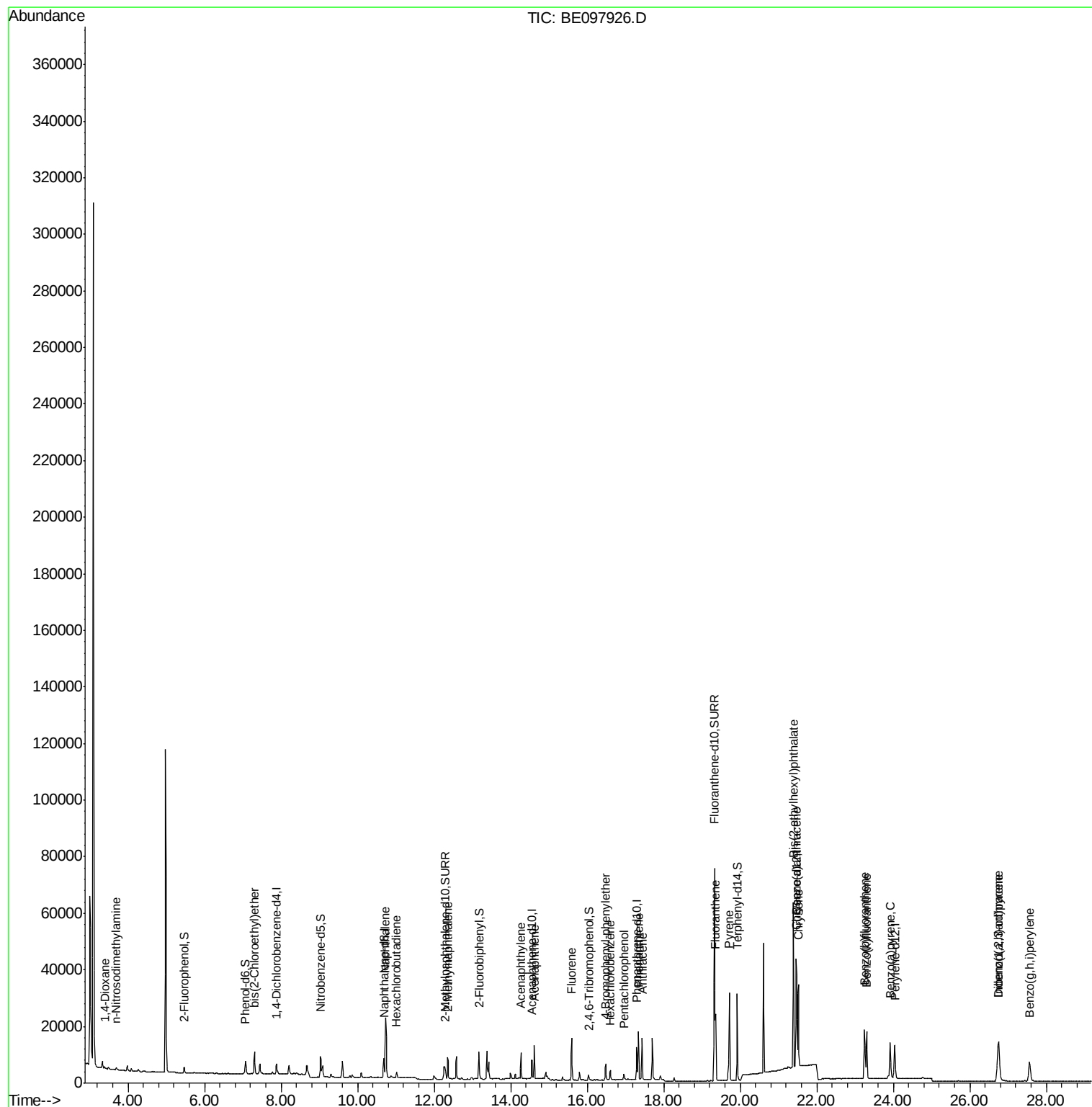
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.38	88	489	0.155	ng	# 88
3) n-Nitrosodimethylamine	3.69	42	591	0.168	ng	# 93
6) bis(2-Chloroethyl)ether	7.30	93	2708	0.378	ng	98
9) Naphthalene	10.73	128	33932	0.438	ng	100
10) Hexachlorobutadiene	11.02	225	1502	0.360	ng	96
12) 2-Methylnaphthalene	12.35	142	6086	0.459	ng	97
16) Acenaphthylene	14.27	152	9954	0.430	ng	99
17) Acenaphthene	14.61	154	5889	0.417	ng	98
18) Fluorene	15.59	166	8794	0.452	ng	98
20) 4-Bromophenyl-phenylether	16.49	248	3293	0.390	ng	# 87
21) Hexachlorobenzene	16.60	284	2921	0.352	ng	99
22) Pentachlorophenol	16.95	266	1392	0.636	ng	95
23) Phenanthrene	17.34	178	17083	0.435	ng	99
24) Anthracene	17.43	178	16633	0.448	ng	100
26) Fluoranthene	19.36	202	25786	0.500	ng	97
28) Pyrene	19.72	202	26945	0.420	ng	99
30) Benzo(a)anthracene	21.46	228	29536	0.433	ng	98
31) Chrysene	21.52	228	28626	0.444	ng	97
32) Bis(2-ethylhexyl)phthalate	21.39	149	64615	0.411	ng	100
33) Indeno(1,2,3-cd)pyrene	26.73	276	22448	0.280	ng	99
35) Benzo(b)fluoranthene	23.25	252	23404	0.458	ng	# 91
36) Benzo(k)fluoranthene	23.30	252	24047	0.451	ng	# 92
37) Benzo(a)pyrene	23.92	252	20987	0.421	ng	# 91
38) Dibenzo(a,h)anthracene	26.76	278	19347	0.396	ng	# 94
39) Benzo(g,h,i)perylene	27.56	276	16479	0.330	ng	95

(#) = 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. -0.00 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MS

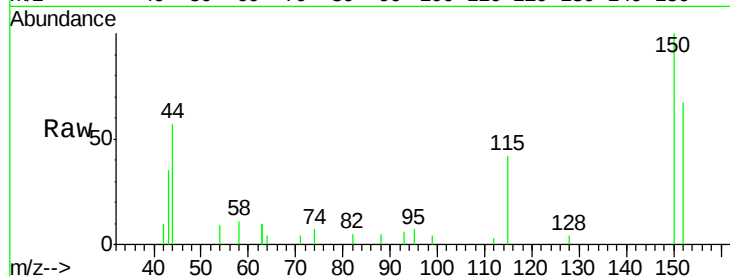
Tgt Ion: 152 Resp: 1810

Ion Ratio Lower Upper

152 100

150 149.7 118.2 177.4

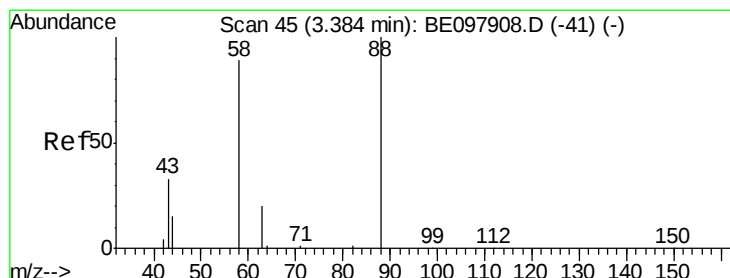
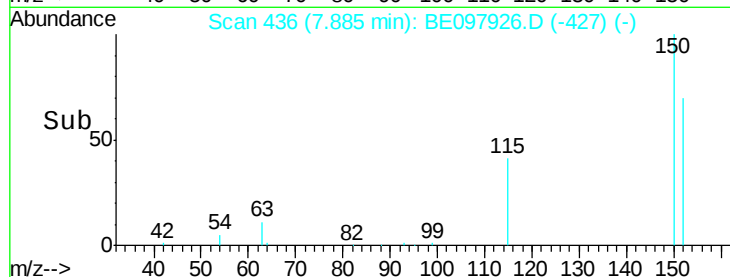
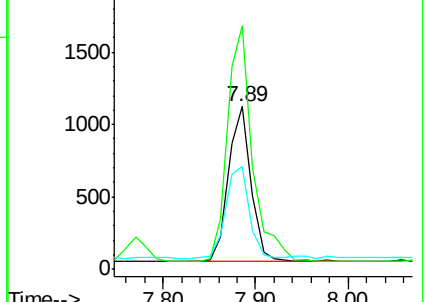
115 62.9 50.9 76.3



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: 0.155 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

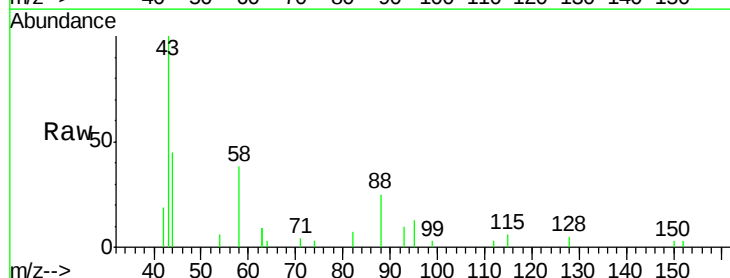
Tgt Ion: 88 Resp: 489

Ion Ratio Lower Upper

88 100

58 87.1 73.2 109.8

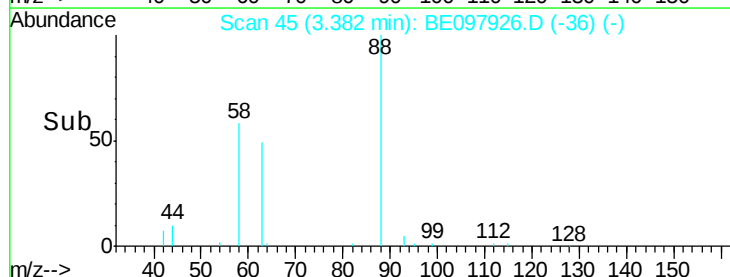
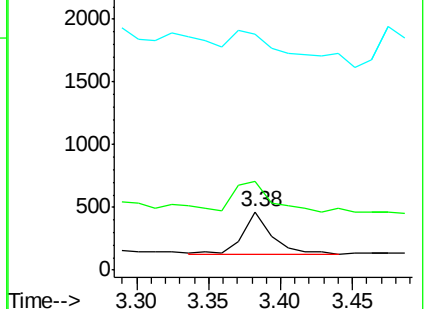
43 64.4 36.9 55.3#



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

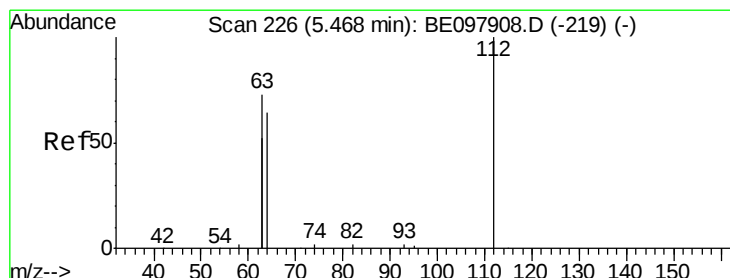
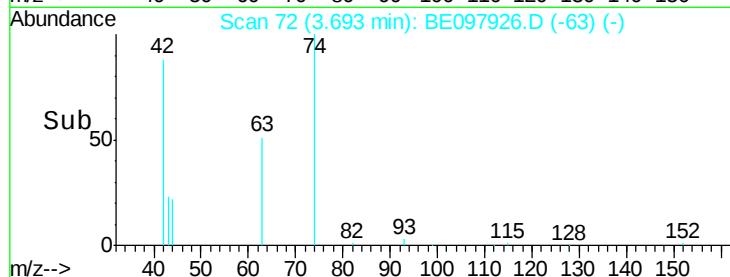
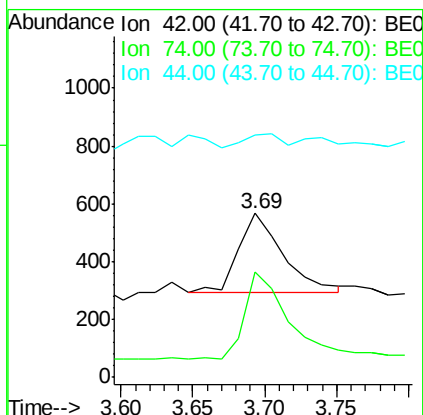
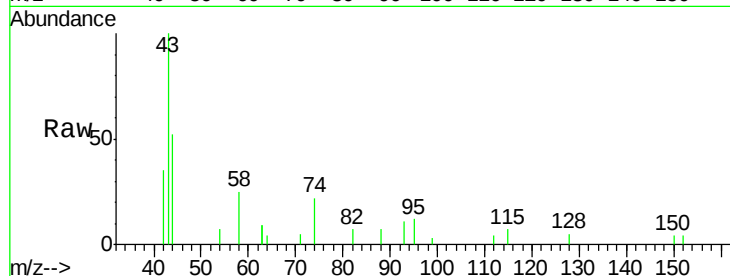




#3
 n-Nitrosodimethylamine
 Concen: 0.168 ng
 RT: 3.69 min Scan# 72
 Delta R.T. -0.00 min
 Lab File: BE097926.D
 Acq: 17 Oct 2018 1:02

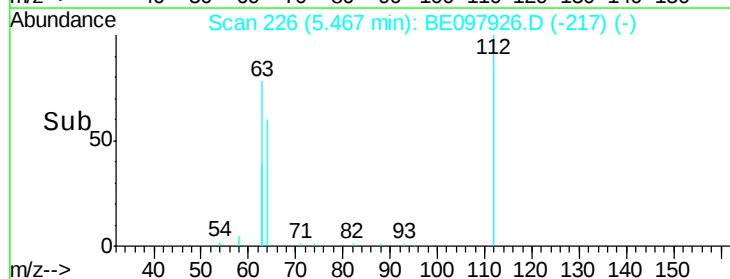
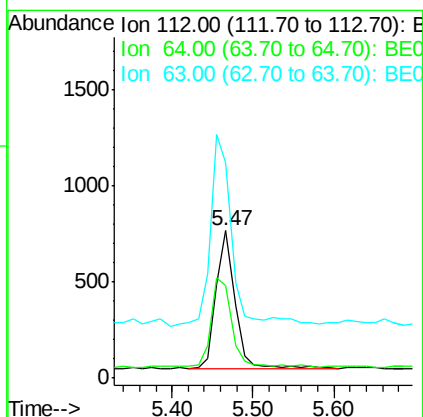
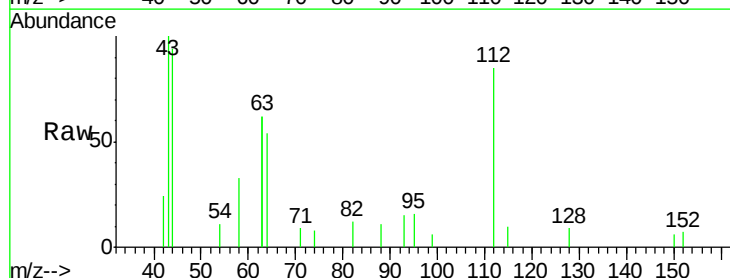
Instrument :
 BNA_E
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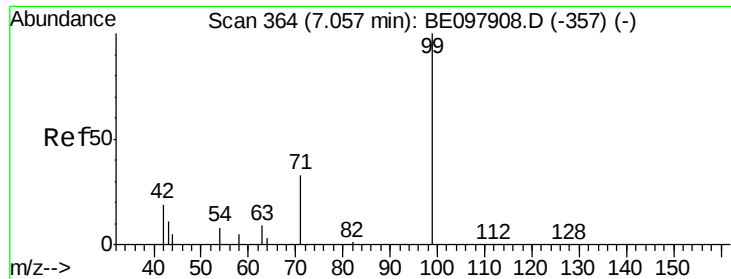
Tgt Ion: 42 Resp: 591
 Ion Ratio Lower Upper
 42 100
 74 103.0 77.6 116.4
 44 14.2 7.6 11.4#



#4
 2-Fluorophenol
 Concen: 0.204 ng
 RT: 5.47 min Scan# 226
 Delta R.T. -0.00 min
 Lab File: BE097926.D
 Acq: 17 Oct 2018 1:02

Tgt Ion: 112 Resp: 1162
 Ion Ratio Lower Upper
 112 100
 64 70.1 58.9 88.3
 63 150.4 120.3 180.5





#5

Phenol-d6

Concen: 0.125 ng

RT: 7.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MS

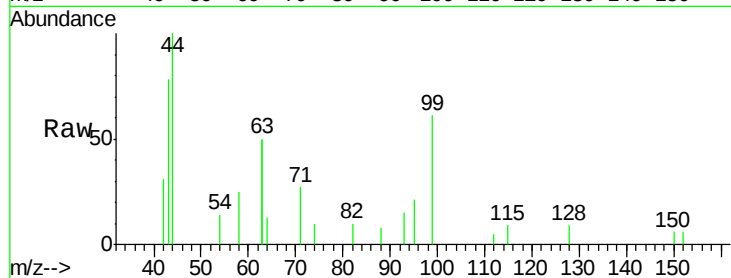
Tgt Ion: 99 Resp: 1054

Ion Ratio Lower Upper

99 100

42 42.8 19.9 29.9#

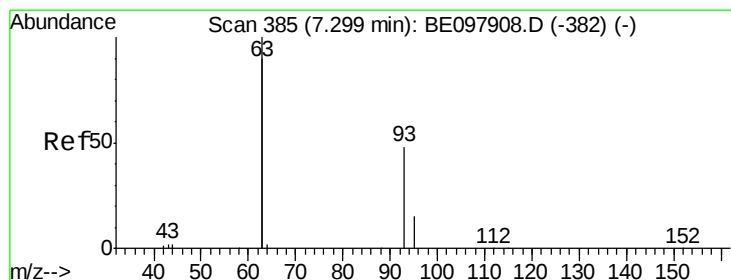
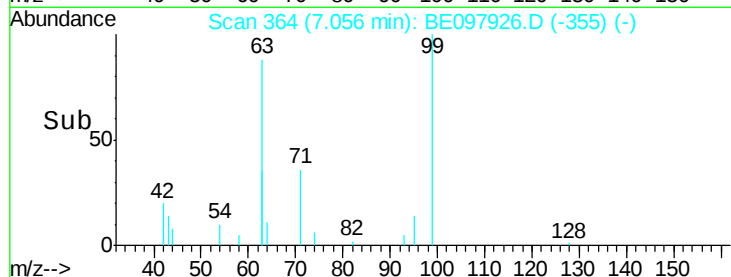
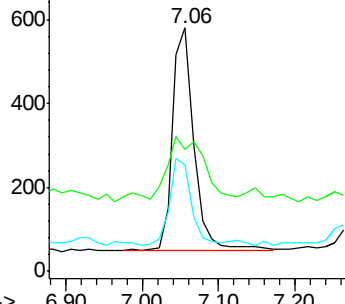
71 38.9 27.8 41.8



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: 7.30 min Scan# 385

Delta R.T. -0.00 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

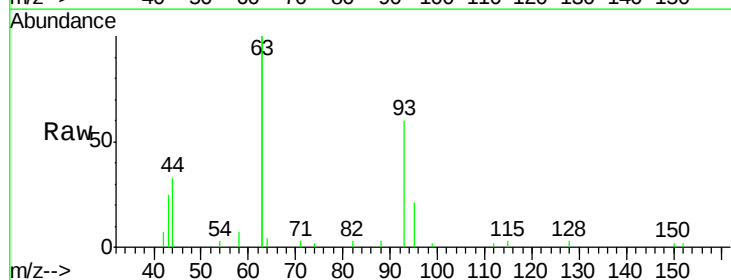
Tgt Ion: 93 Resp: 2708

Ion Ratio Lower Upper

93 100

63 328.0 259.0 388.4

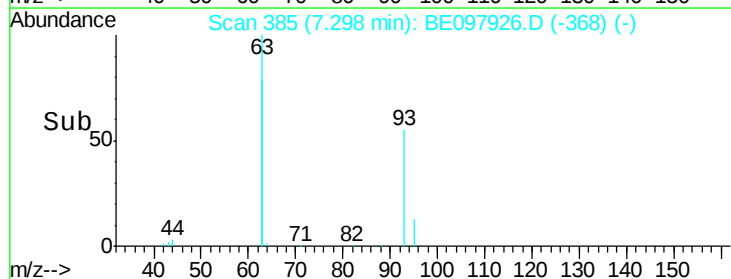
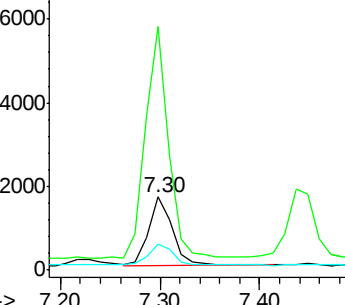
95 31.9 27.8 41.8

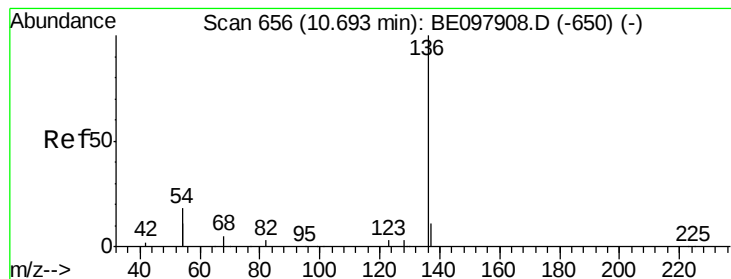


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.69 min Scan# 656

Delta R.T. -0.00 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

Instrument :

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Tgt Ion: 136 Resp: 7779

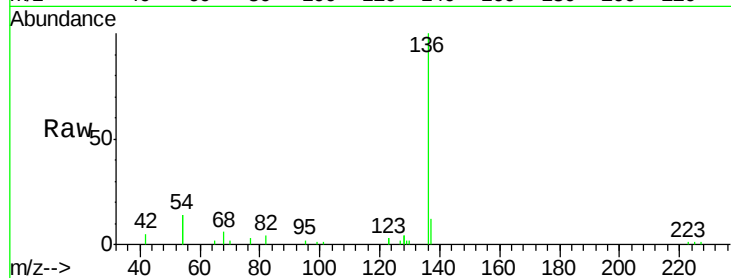
Ion Ratio Lower Upper

136 100

137 12.2 9.6 14.4

54 27.9 27.7 41.5

68 5.7 5.3 7.9

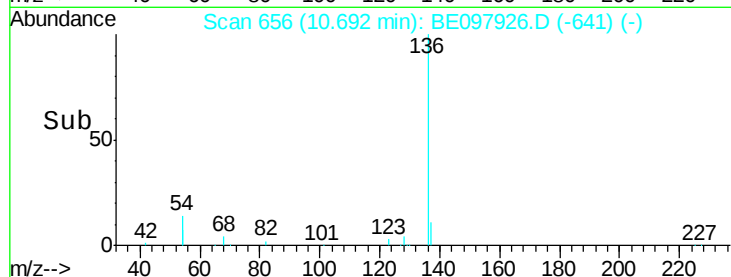


Abundance Ion 136.00 (135.70 to 136.70): E

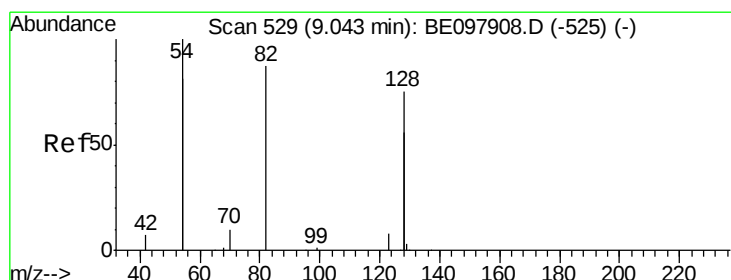
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.393 ng

RT: 9.03 min Scan# 528

Delta R.T. -0.01 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

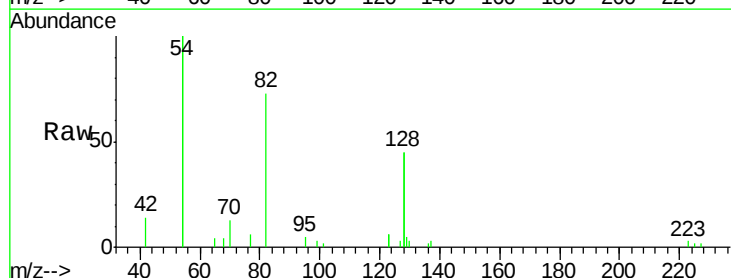
Tgt Ion: 82 Resp: 2896

Ion Ratio Lower Upper

82 100

128 124.6 129.9 194.9#

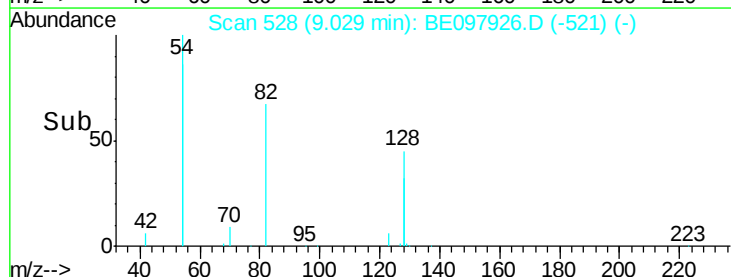
54 274.4 174.0 261.0#



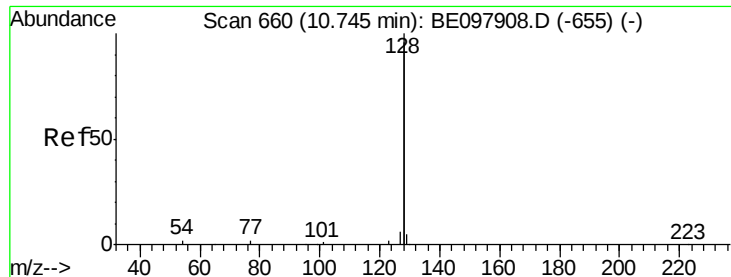
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



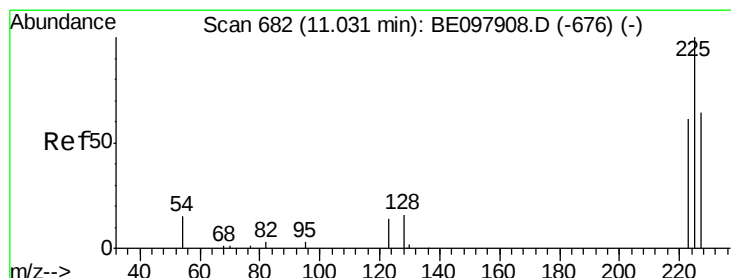
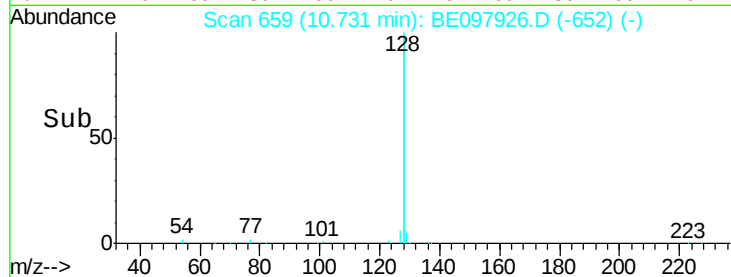
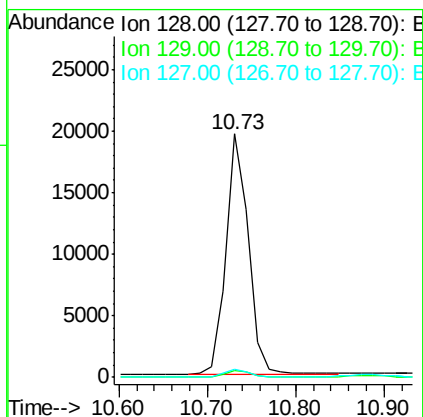
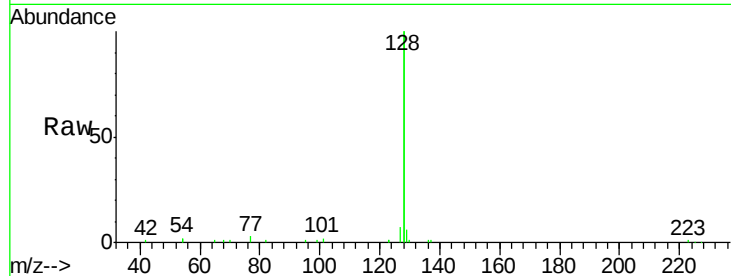
Time-->



#9
Naphthalene
Concen: 0.438 ng
RT: 10.73 min Scan# 659
Delta R.T. -0.01 min
Lab File: BE097926.D
Acq: 17 Oct 2018 1:02

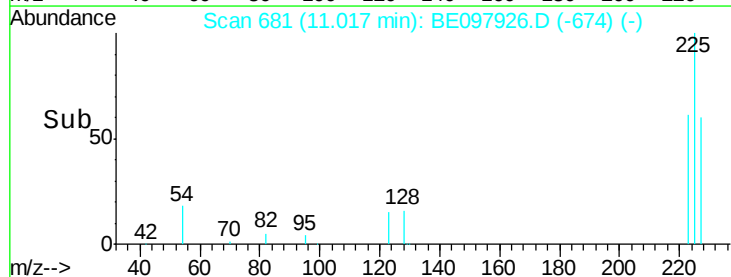
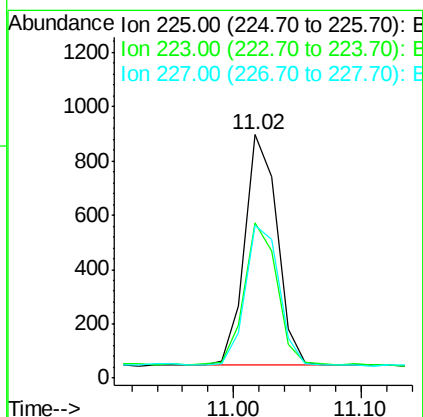
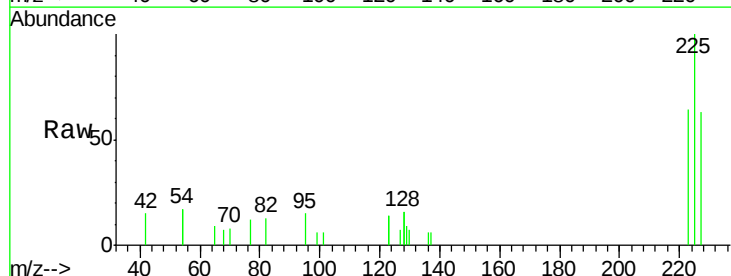
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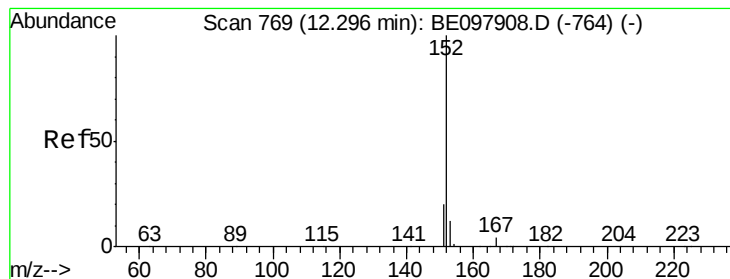
Tgt Ion:128 Resp: 33932
Ion Ratio Lower Upper
128 100
129 2.9 2.5 3.7
127 3.5 2.8 4.2



#10
Hexachlorobutadiene
Concen: 0.360 ng
RT: 11.02 min Scan# 681
Delta R.T. -0.01 min
Lab File: BE097926.D
Acq: 17 Oct 2018 1:02

Tgt Ion:225 Resp: 1502
Ion Ratio Lower Upper
225 100
223 62.2 51.8 77.8
227 62.6 53.0 79.6





#11

2-Methylnaphthalene-d10

Concen: 0.635 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.02 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

Instrument :

BNA_E

ClientSampleId :

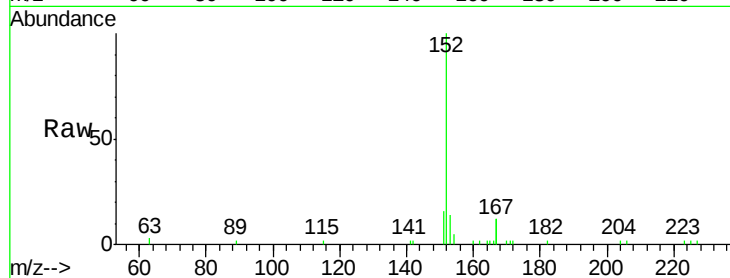
RE-122D3-20181004MS

Tgt Ion:152 Resp: 8222

Ion Ratio Lower Upper

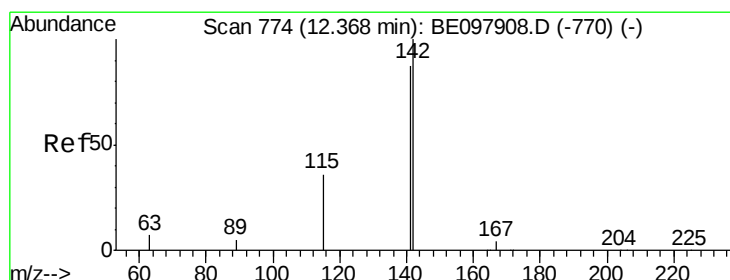
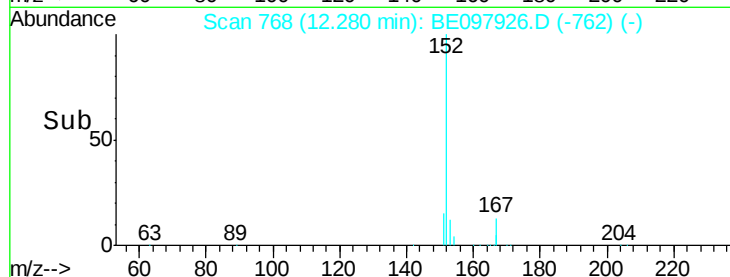
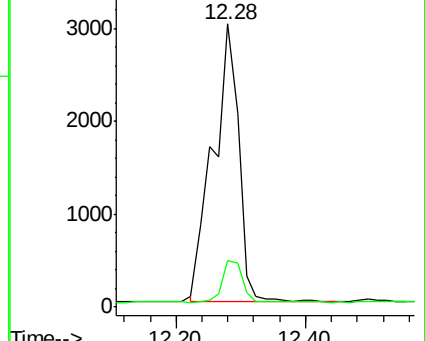
152 100

151 12.2 16.2 24.4#



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. -0.02 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

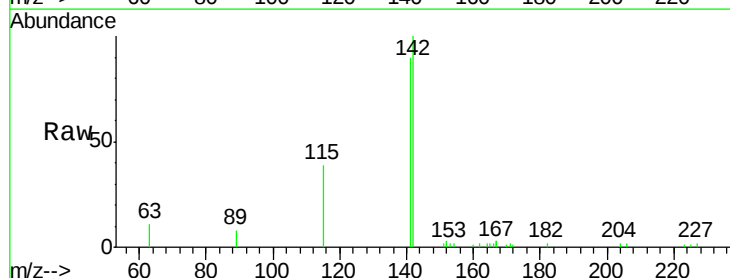
Tgt Ion:142 Resp: 6086

Ion Ratio Lower Upper

142 100

141 90.3 69.8 104.6

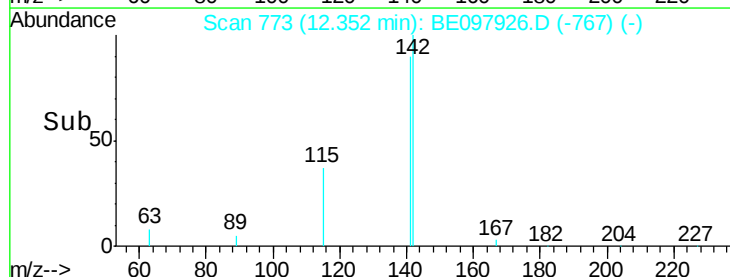
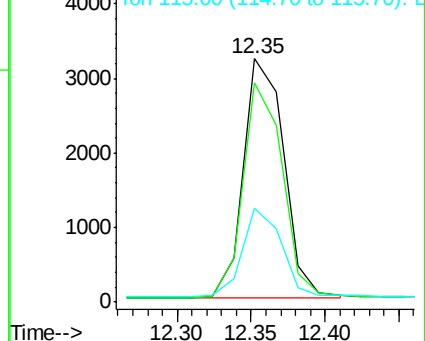
115 38.6 30.5 45.7

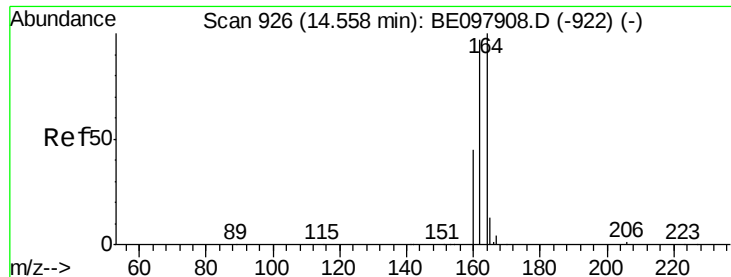


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

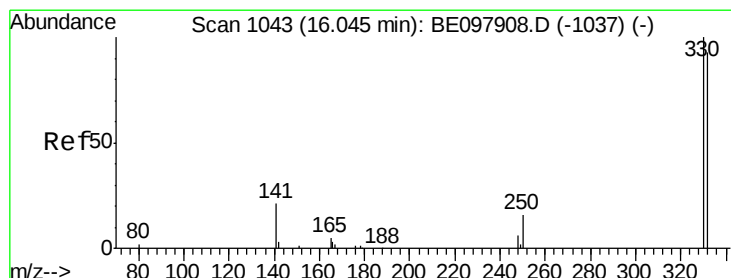
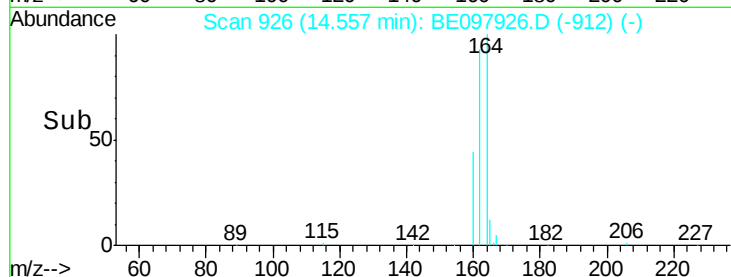
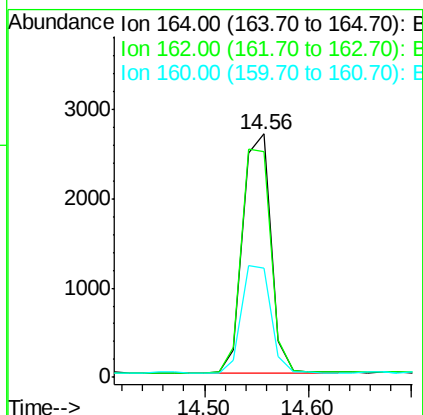
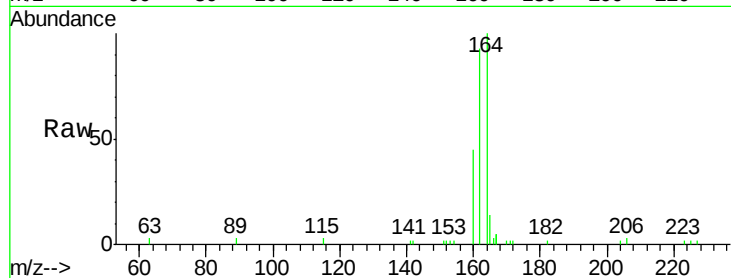




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE097926.D
Acq: 17 Oct 2018 1:02

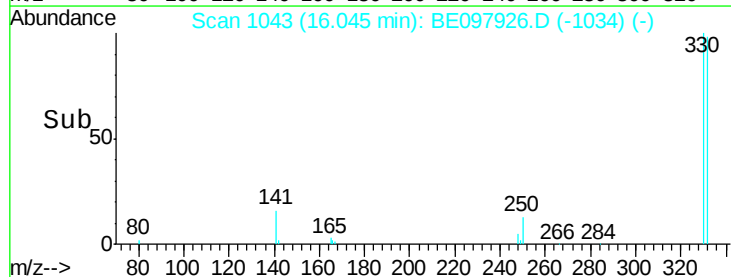
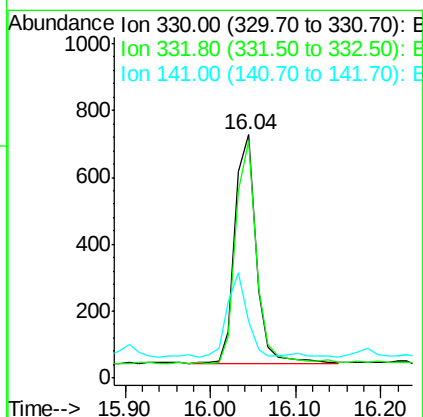
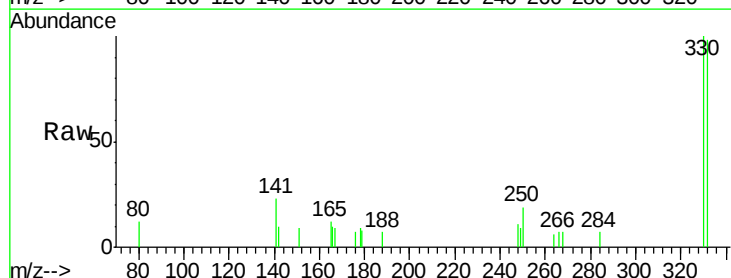
Instrument :
BNA_E
ClientSampleId :
RE-122D3-20181004MS

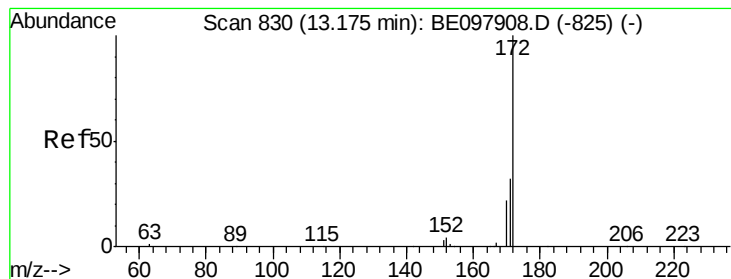
Tgt Ion:164 Resp: 5006
Ion Ratio Lower Upper
164 100
162 92.9 77.4 116.2
160 44.7 36.5 54.7



#14
2,4,6-Tribromophenol
Concen: 0.436 ng
RT: 16.04 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BE097926.D
Acq: 17 Oct 2018 1:02

Tgt Ion:330 Resp: 1173
Ion Ratio Lower Upper
330 100
332 96.8 76.5 114.7
141 36.1 31.8 47.6





#15

2-Fluorobiphenyl

Concen: 0.482 ng

RT: 13.17 min Scan# 830

Delta R.T. -0.00 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MS

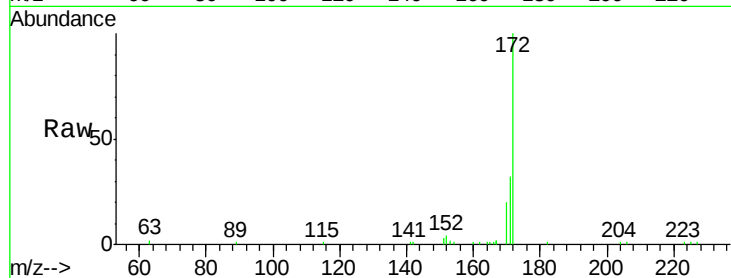
Tgt Ion:172 Resp: 9867

Ion Ratio Lower Upper

172 100

171 31.6 26.0 39.0

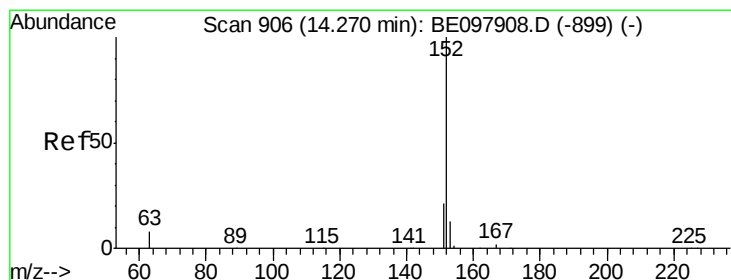
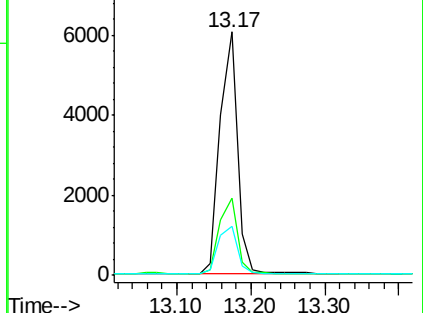
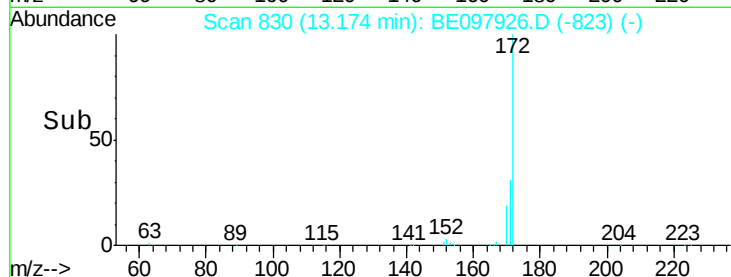
170 20.1 18.0 27.0



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: 0.430 ng

RT: 14.27 min Scan# 906

Delta R.T. -0.00 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

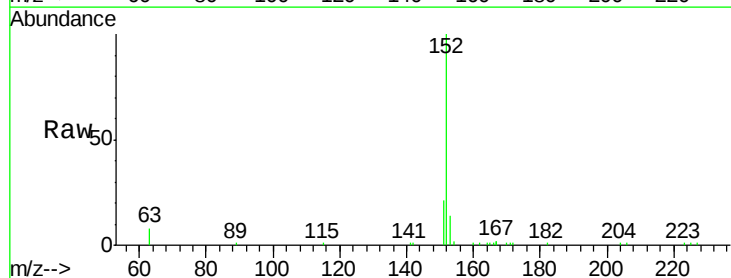
Tgt Ion:152 Resp: 9954

Ion Ratio Lower Upper

152 100

151 19.8 16.1 24.1

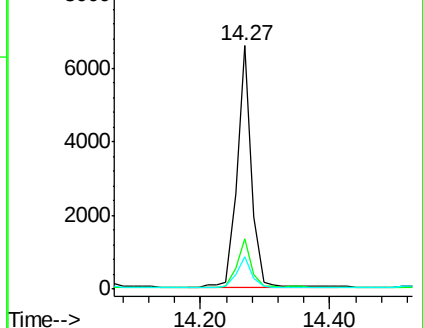
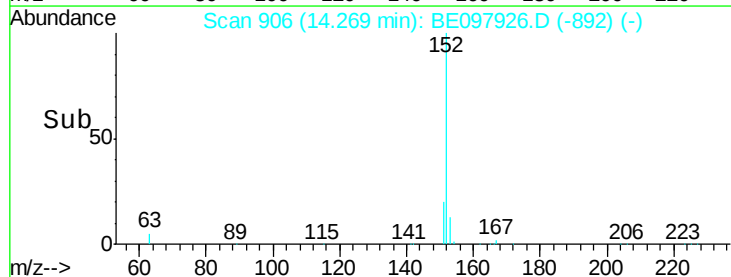
153 13.2 10.9 16.3

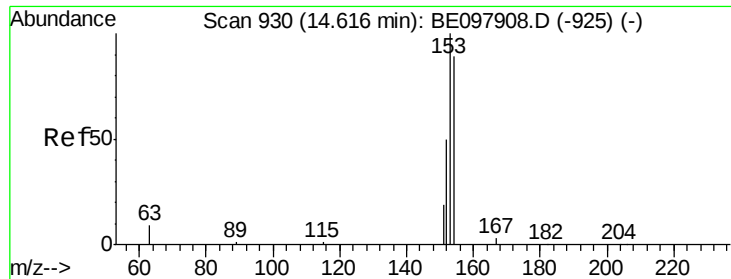


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.417 ng

RT: 14.61 min Scan# 930

Delta R.T. -0.00 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MS

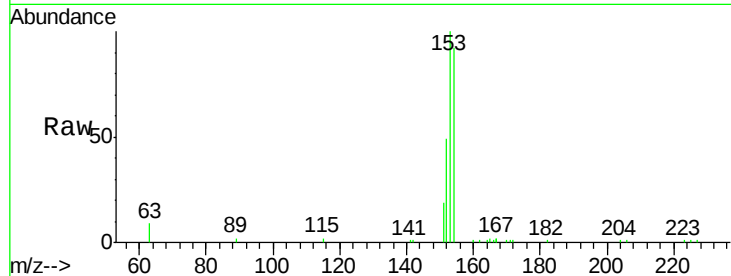
Tgt Ion:154 Resp: 5889

Ion Ratio Lower Upper

154 100

153 113.5 92.6 139.0

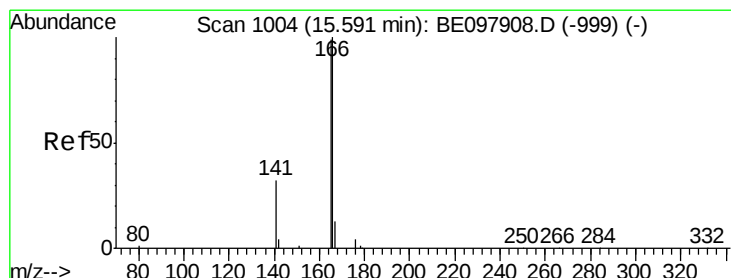
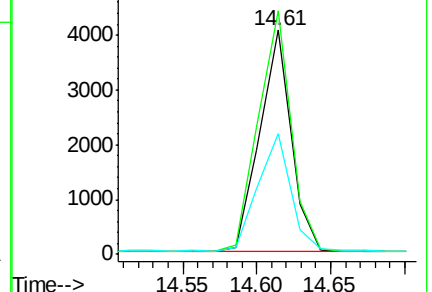
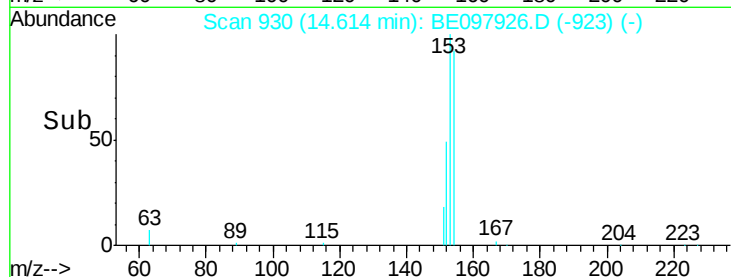
152 55.2 45.5 68.3



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: 0.452 ng

RT: 15.59 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

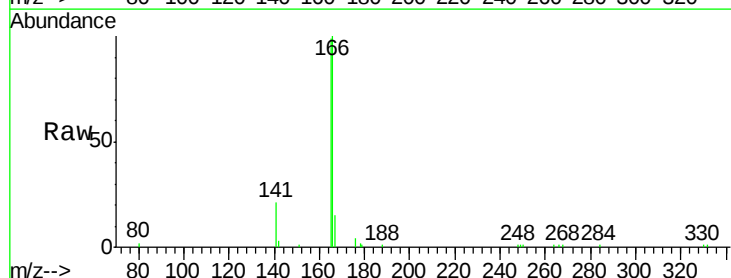
Tgt Ion:166 Resp: 8794

Ion Ratio Lower Upper

166 100

165 99.6 78.2 117.4

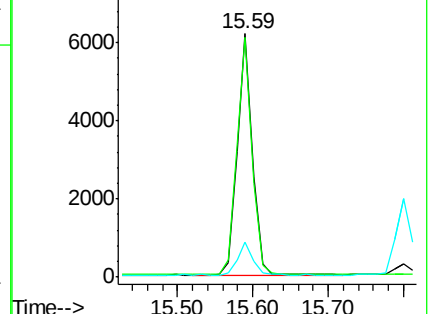
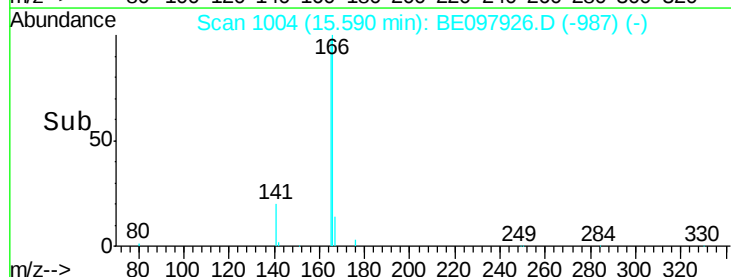
167 13.4 11.0 16.6

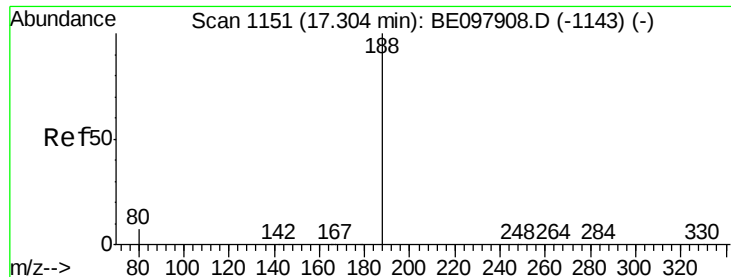


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.29 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MS

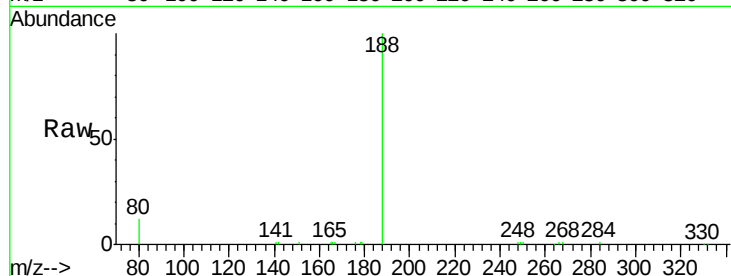
Tgt Ion:188 Resp: 15458

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

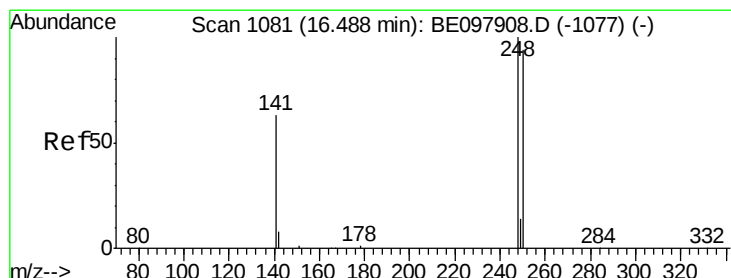
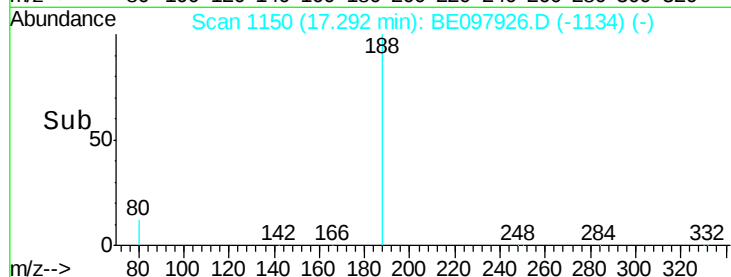
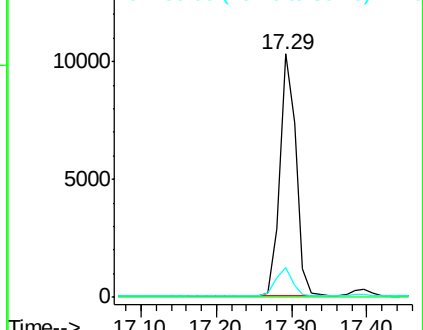
80 12.3 6.3 9.5#



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: 0.390 ng

RT: 16.49 min Scan# 1081

Delta R.T. -0.00 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

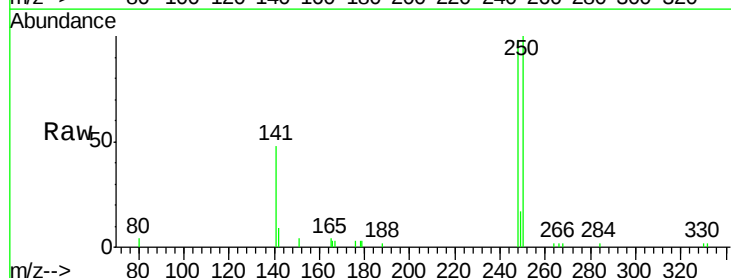
Tgt Ion:248 Resp: 3293

Ion Ratio Lower Upper

248 100

250 102.1 75.1 112.7

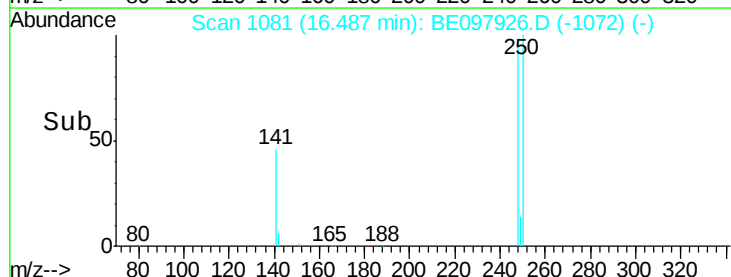
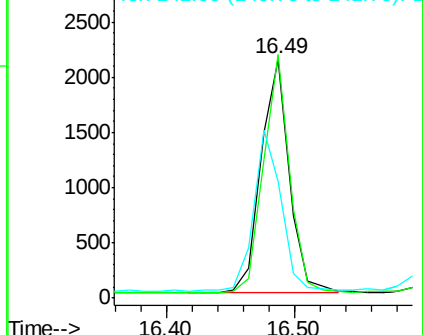
141 49.0 51.8 77.8#

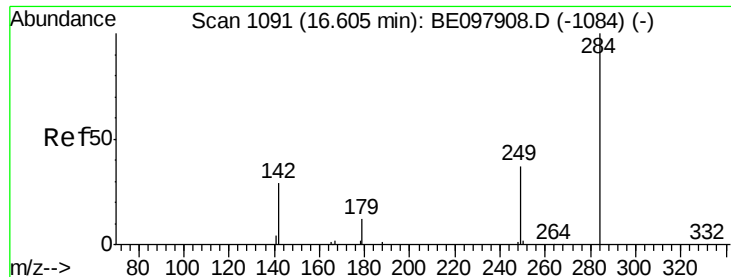


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

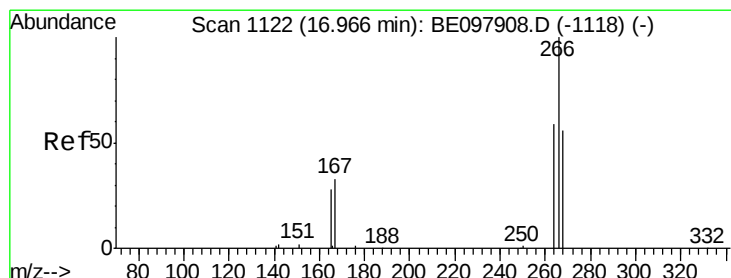
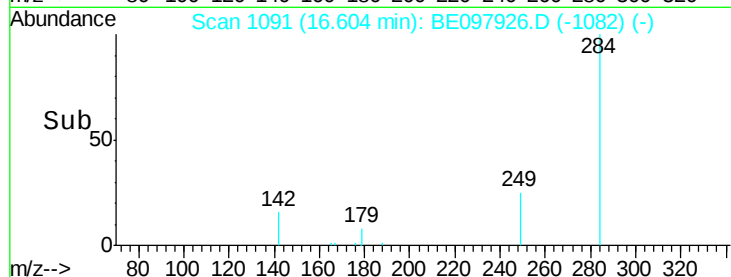
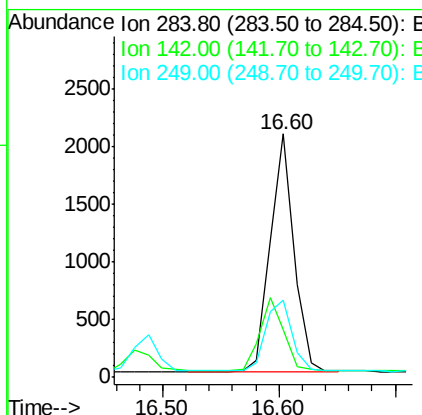
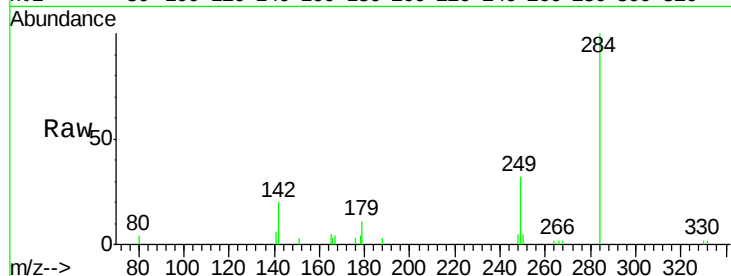




#21
Hexachlorobenzene
Concen: 0.352 ng
RT: 16.60 min Scan# 1091
Delta R.T. -0.00 min
Lab File: BE097926.D
Acq: 17 Oct 2018 1:02

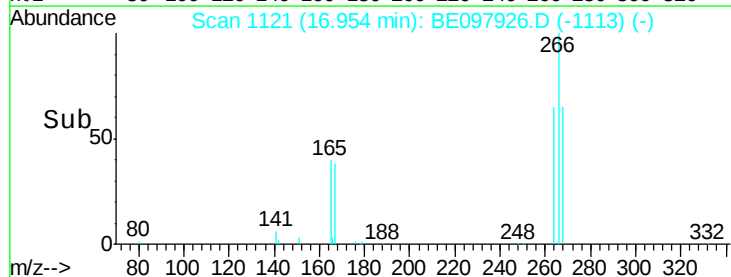
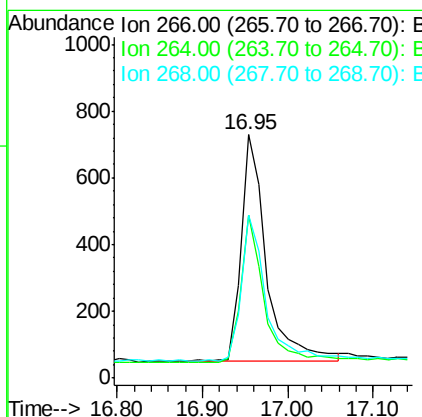
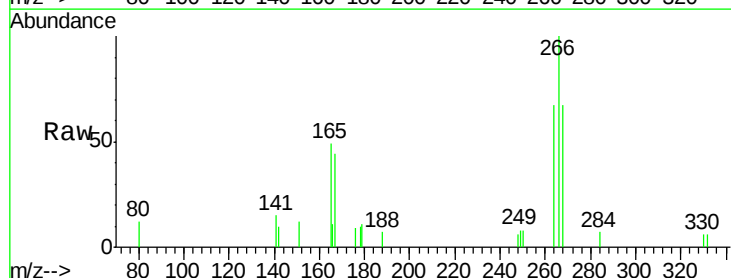
Instrument :
BNA_E
ClientSampleId :
RE-122D3-20181004MS

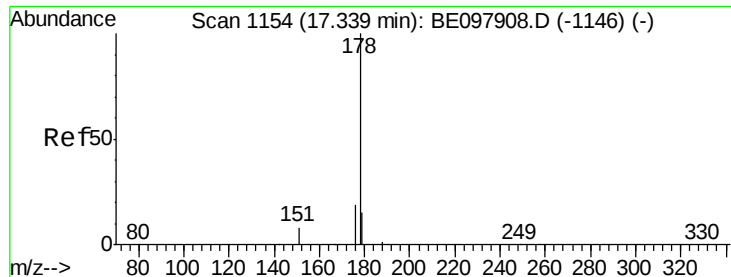
Tgt Ion: 284 Resp: 2921
Ion Ratio Lower Upper
284 100
142 31.2 25.9 38.9
249 33.1 26.6 40.0



#22
Pentachlorophenol
Concen: 0.636 ng
RT: 16.95 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BE097926.D
Acq: 17 Oct 2018 1:02

Tgt Ion: 266 Resp: 1392
Ion Ratio Lower Upper
266 100
264 67.1 51.3 76.9
268 67.1 50.1 75.1





#23

Phenanthrene

Concen: 0.435 ng

RT: 17.34 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MS

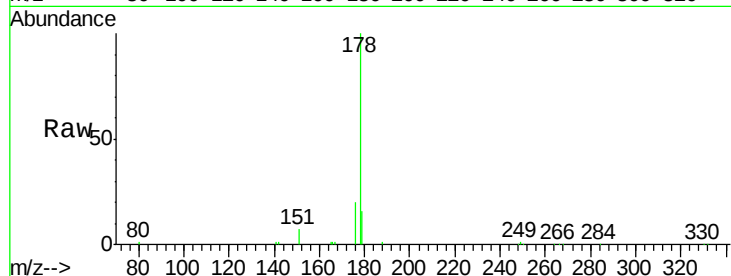
Tgt Ion:178 Resp: 17083

Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

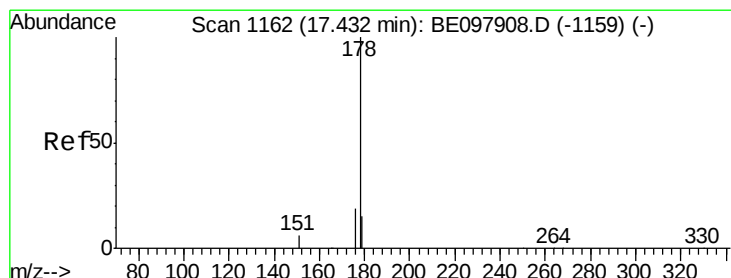
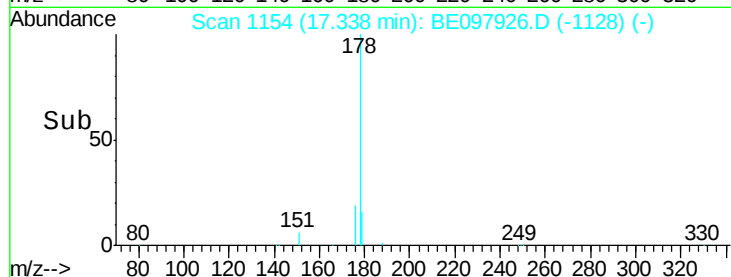
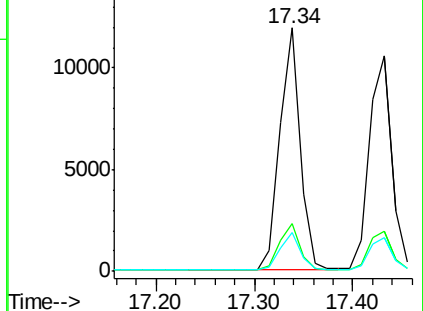
179 15.4 12.2 18.4



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: 0.448 ng

RT: 17.43 min Scan# 1162

Delta R.T. -0.00 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

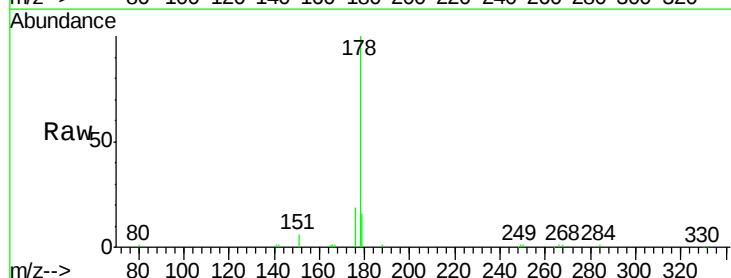
Tgt Ion:178 Resp: 16633

Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

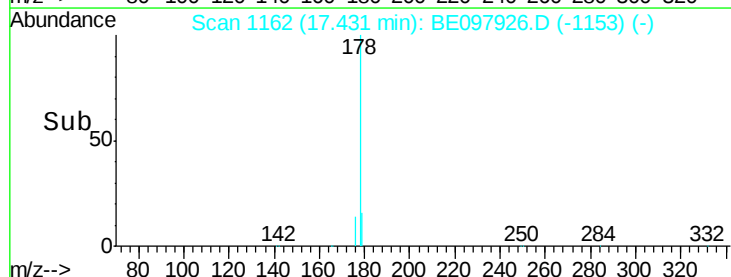
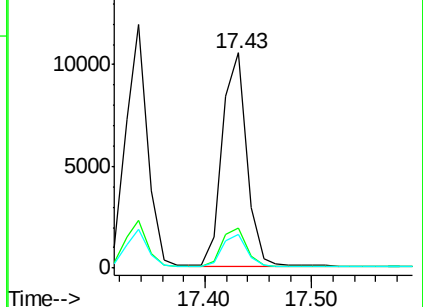
179 15.0 11.9 17.9

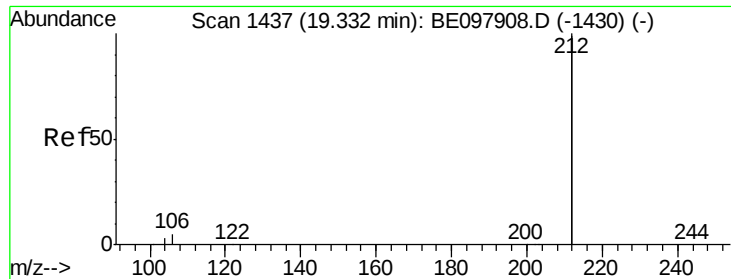


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

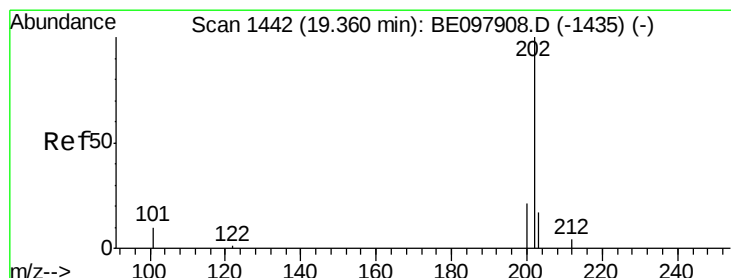
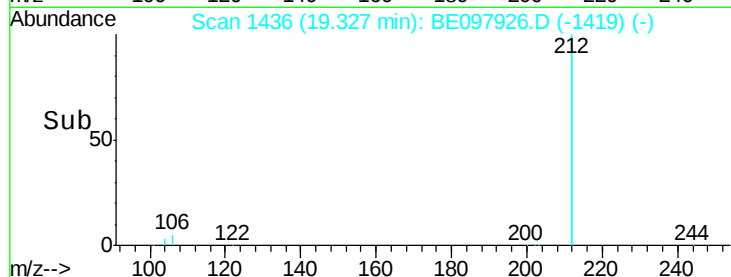
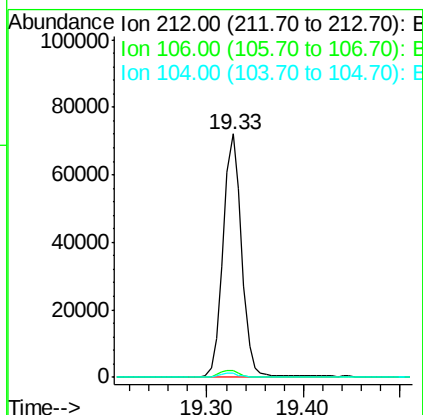
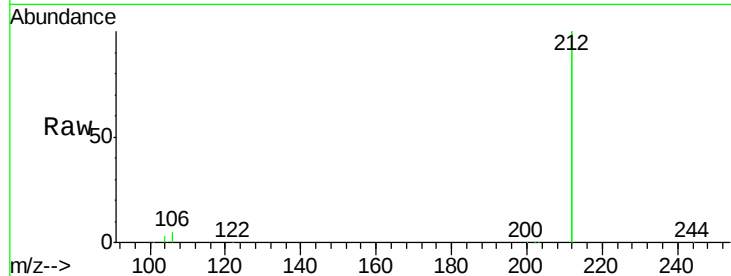




#25
 Fluoranthene-d10
 Concen: 0.455 ng
 RT: 19.33 min Scan# 1436
 Delta R.T. -0.00 min
 Lab File: BE097926.D
 Acq: 17 Oct 2018 1:02

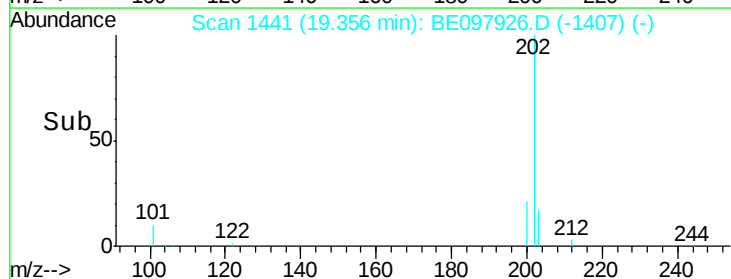
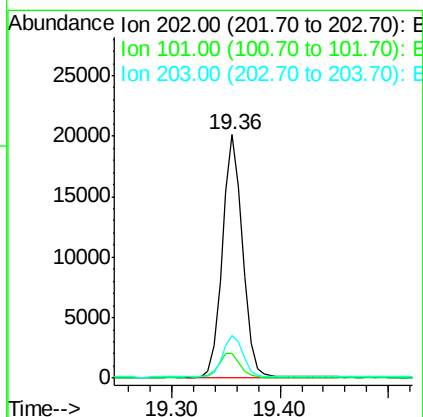
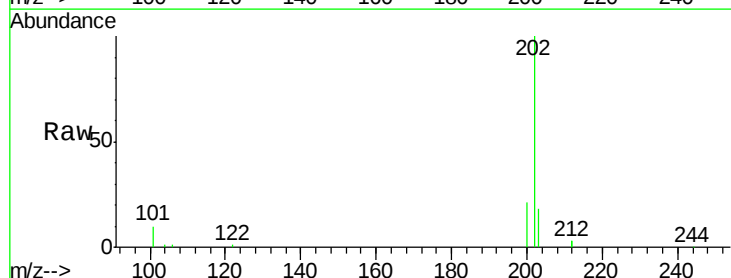
Instrument :
 BNA_E
 ClientSampleId :
 RE-122D3-20181004MS

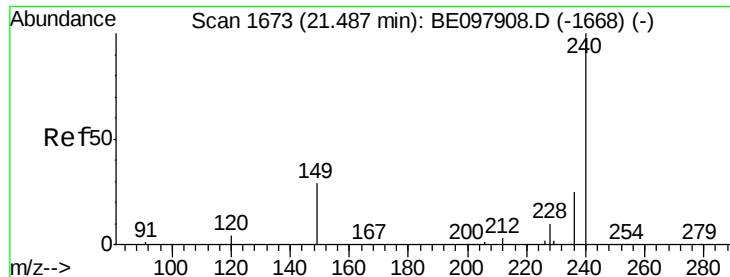
Tgt Ion: 212 Resp: 95393
 Ion Ratio Lower Upper
 212 100
 106 2.9 2.3 3.5
 104 1.6 1.3 1.9



#26
 Fluoranthene
 Concen: 0.500 ng
 RT: 19.36 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: BE097926.D
 Acq: 17 Oct 2018 1:02

Tgt Ion: 202 Resp: 25786
 Ion Ratio Lower Upper
 202 100
 101 10.9 8.2 12.2
 203 17.4 15.0 22.4

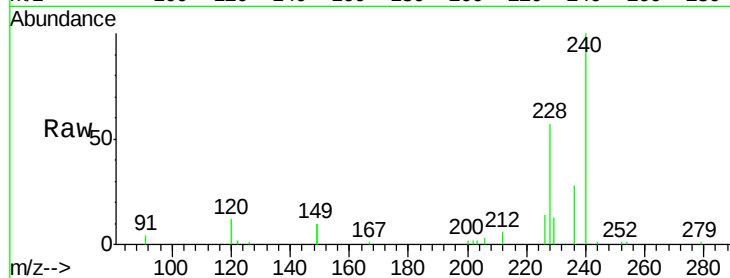




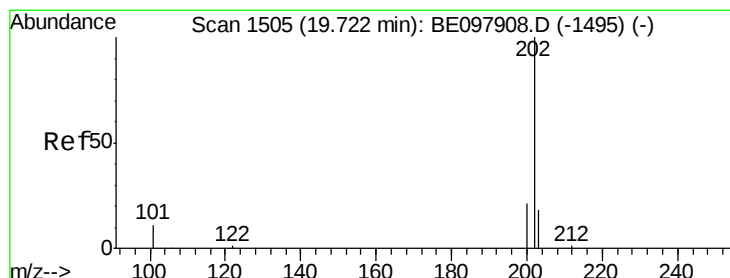
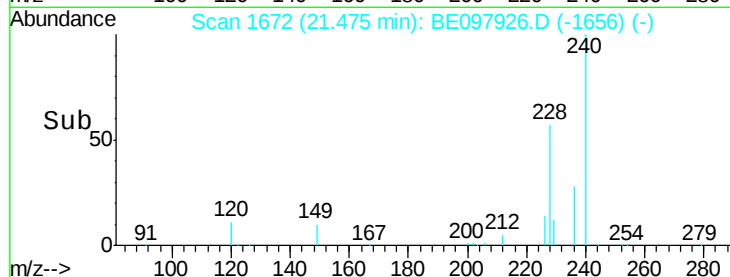
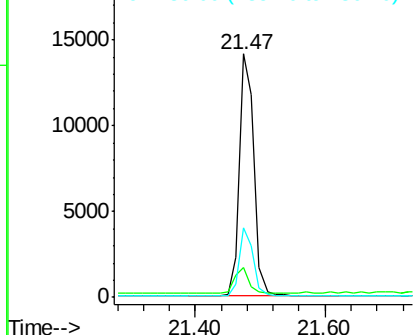
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.47 min Scan# 1672
 Delta R.T. -0.01 min
 Lab File: BE097926.D
 Acq: 17 Oct 2018 1:02

Instrument :
 BNA_E
 ClientSampleId :
 RE-122D3-20181004MS

Tgt Ion:240 Resp: 22215
 Ion Ratio Lower Upper
 240 100
 120 12.5 7.1 10.7#
 236 28.4 21.3 31.9

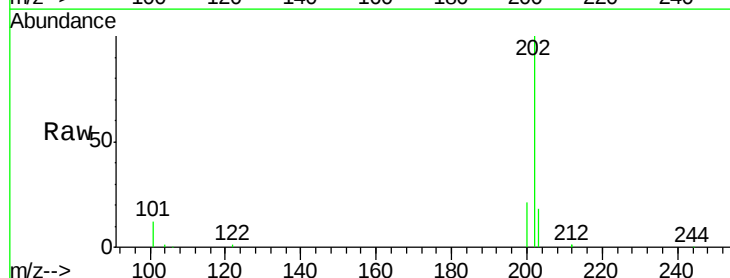


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

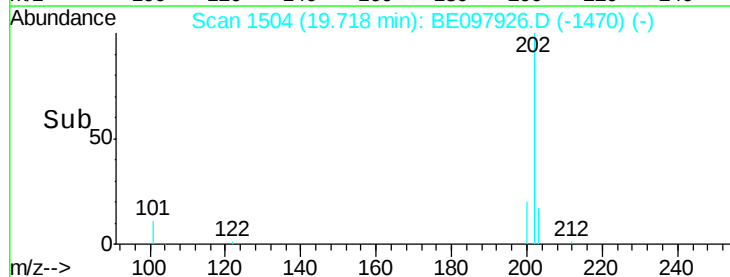
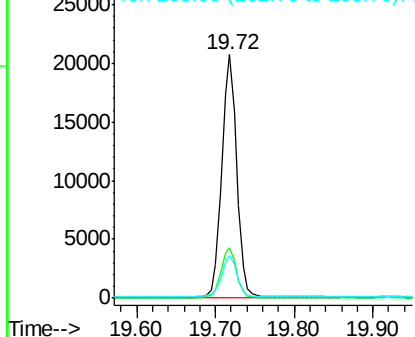


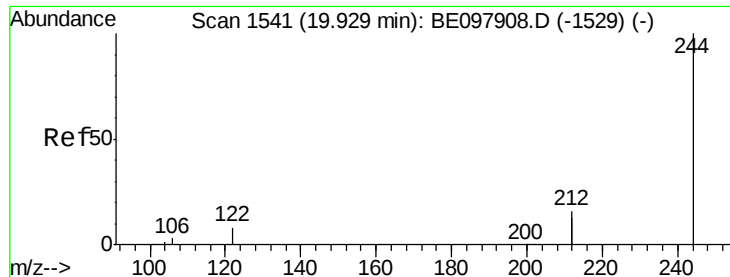
#28
 Pyrene
 Concen: 0.420 ng
 RT: 19.72 min Scan# 1504
 Delta R.T. -0.00 min
 Lab File: BE097926.D
 Acq: 17 Oct 2018 1:02

Tgt Ion:202 Resp: 26945
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.0 25.4
 203 18.0 14.2 21.4



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: 0.519 ng

RT: 19.92 min Scan# 1540

Delta R.T. -0.00 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MS

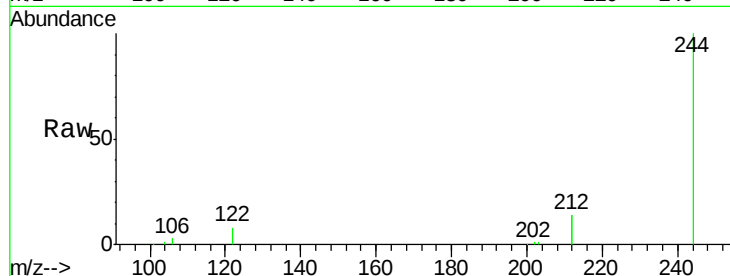
Tgt Ion:244 Resp: 26421

Ion Ratio Lower Upper

244 100

212 28.2 26.2 39.2

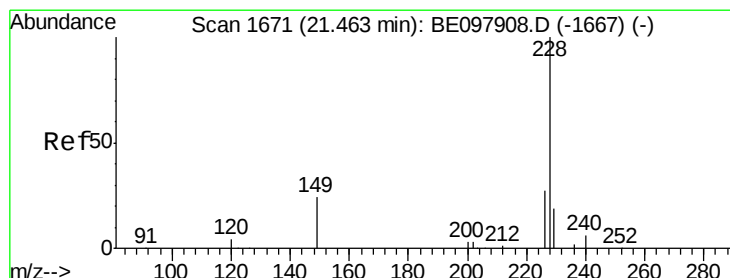
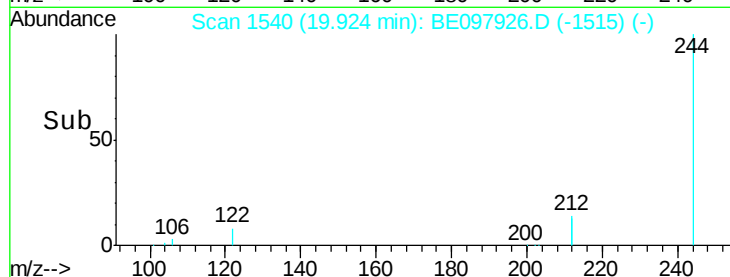
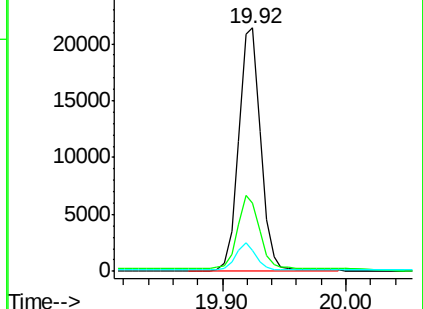
122 8.4 7.7 11.5



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: 0.433 ng

RT: 21.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

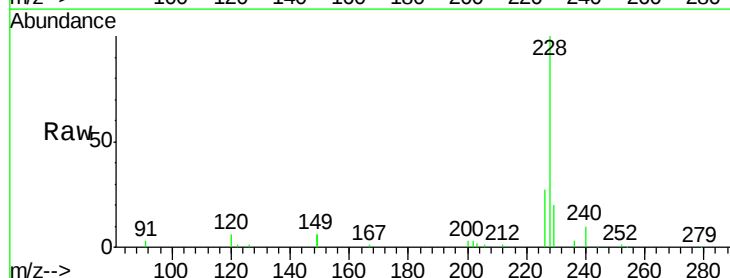
Tgt Ion:228 Resp: 29536

Ion Ratio Lower Upper

228 100

226 26.6 22.6 33.8

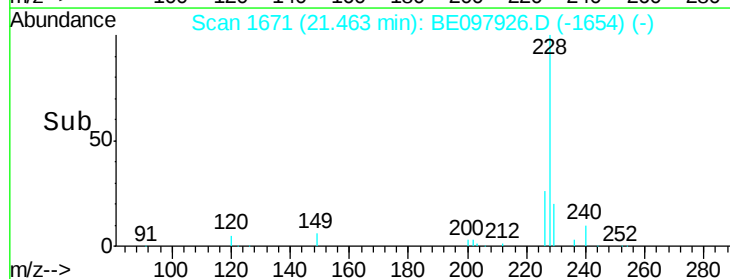
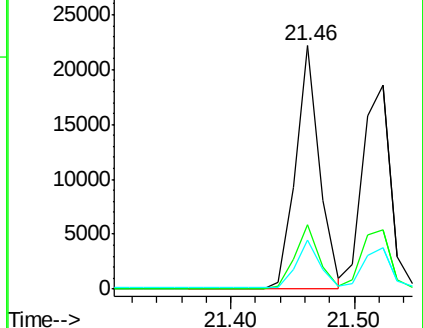
229 20.3 16.9 25.3

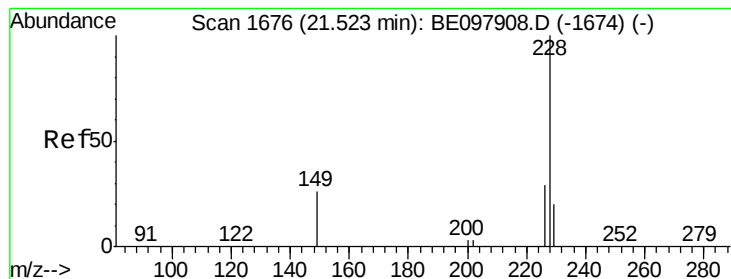


Abundance Ion 228.00 (227.70 to 228.70): E

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: 21.52 min Scan# 1676

Delta R.T. -0.00 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MS

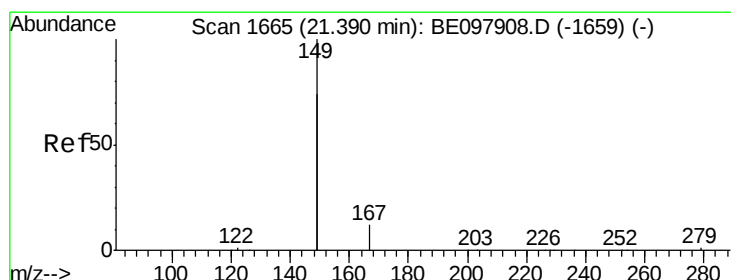
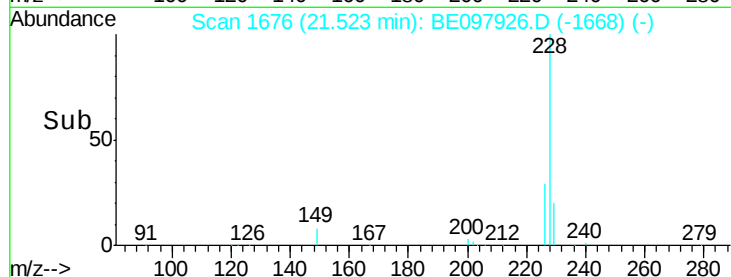
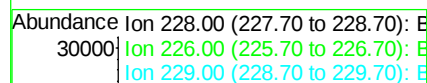
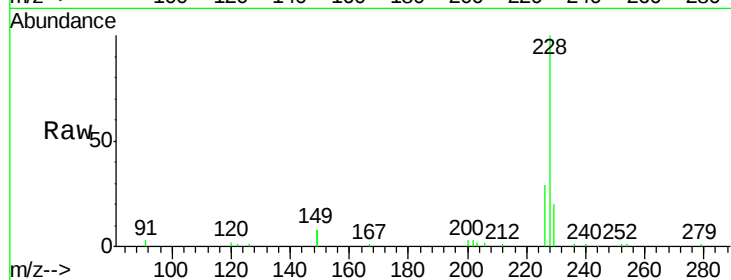
Tgt Ion: 228 Resp: 28626

Ion Ratio Lower Upper

228 100

226 28.9 24.3 36.5

229 20.5 17.3 25.9



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.411 ng

RT: 21.39 min Scan# 1665

Delta R.T. -0.00 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

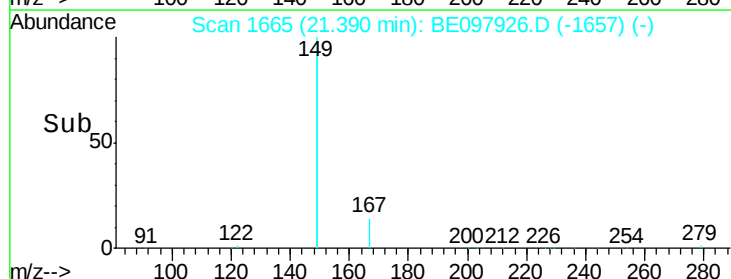
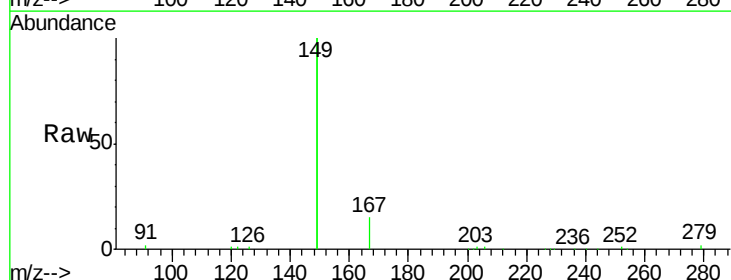
Tgt Ion: 149 Resp: 64615

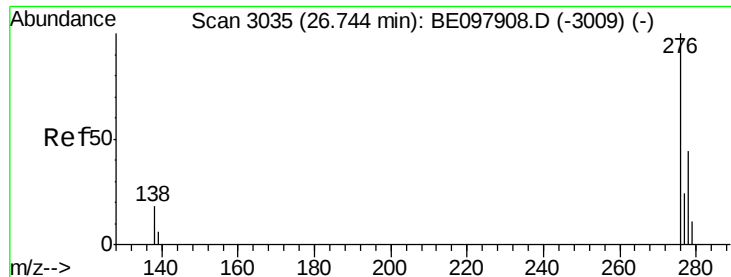
Ion Ratio Lower Upper

149 100

167 7.0 5.6 8.4

279 1.0 0.9 1.3





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.280 ng

RT: 26.73 min Scan# 3032

Delta R.T. -0.01 min

Lab File: BE097926.D

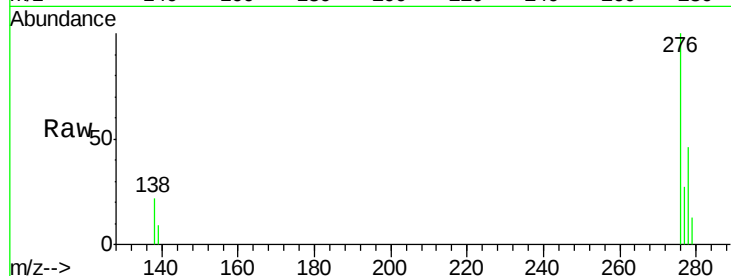
Acq: 17 Oct 2018 1:02

Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MS



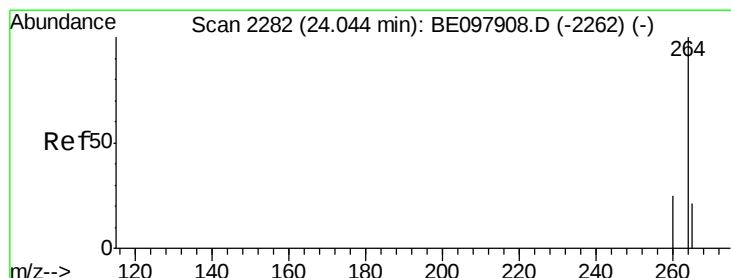
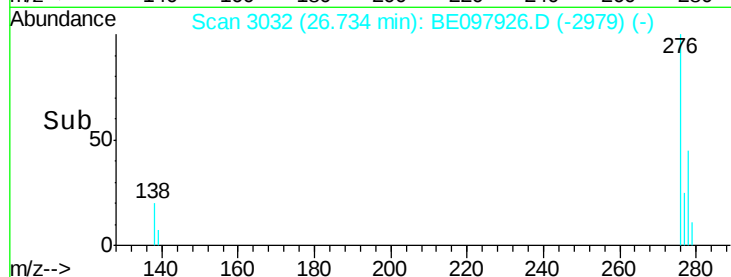
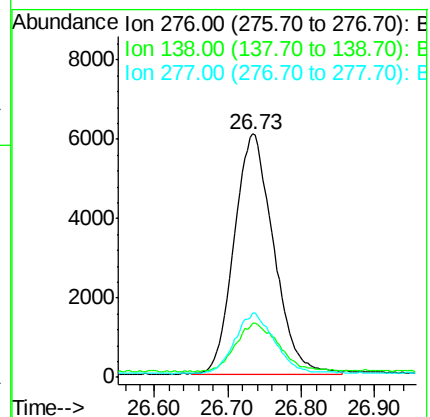
Tgt Ion:276 Resp: 22448

Ion Ratio Lower Upper

276 100

138 21.5 17.0 25.6

277 25.2 20.5 30.7



#34

Perylene-d12

Concen: 0.400 ng

RT: 24.04 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

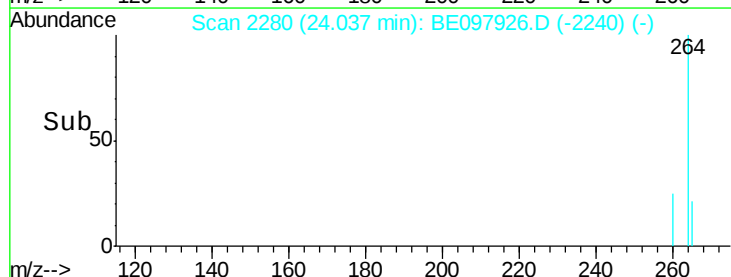
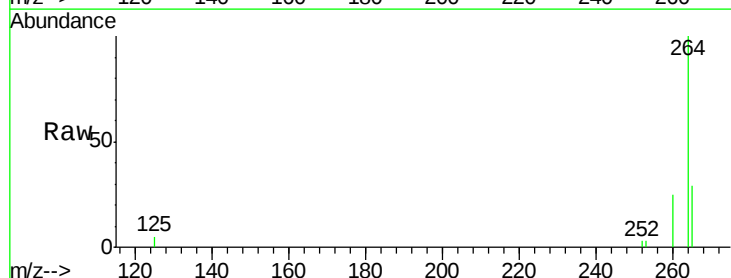
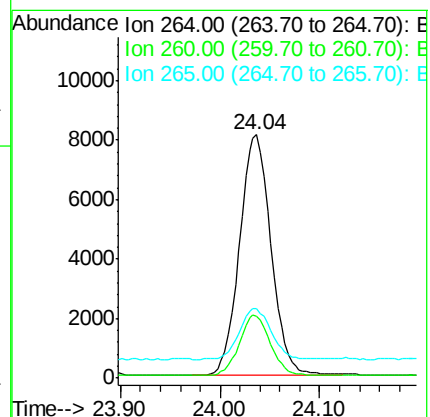
Tgt Ion:264 Resp: 17769

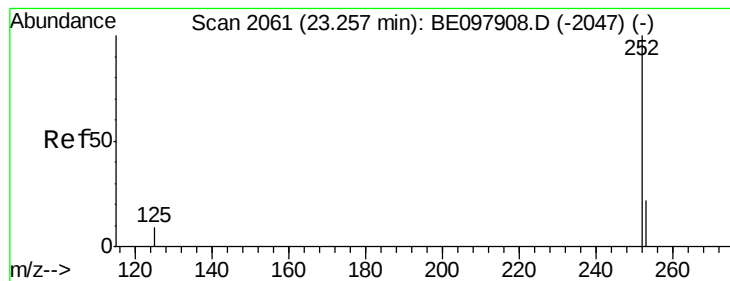
Ion Ratio Lower Upper

264 100

260 25.3 21.1 31.7

265 28.7 29.2 43.8#





#35

Benzo(b)fluoranthene

Concen: 0.458 ng

RT: 23.25 min Scan# 2059

Delta R.T. -0.01 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MS

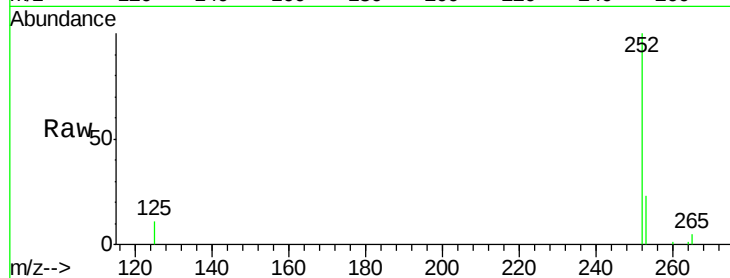
Tgt Ion:252 Resp: 23404

Ion Ratio Lower Upper

252 100

253 23.5 20.6 31.0

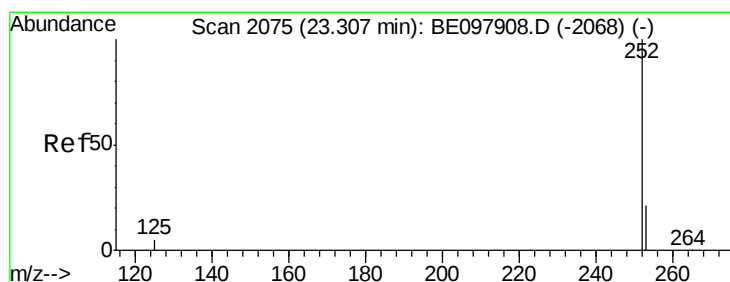
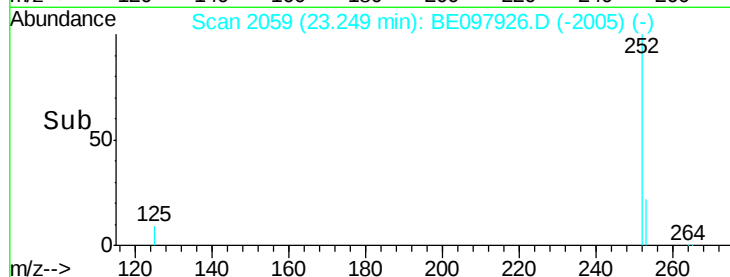
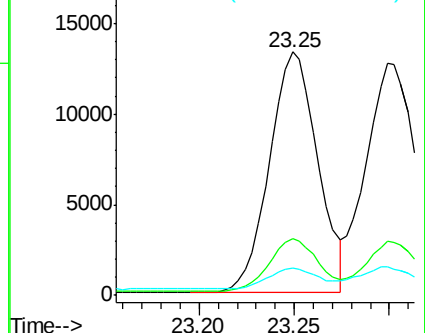
125 11.0 14.3 21.5#



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



#36

Benzo(k)fluoranthene

Concen: 0.451 ng

RT: 23.30 min Scan# 2073

Delta R.T. -0.01 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

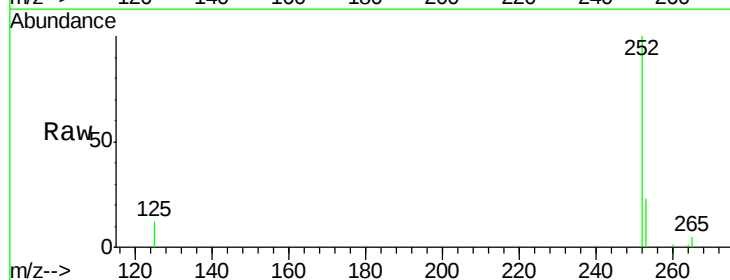
Tgt Ion:252 Resp: 24047

Ion Ratio Lower Upper

252 100

253 23.1 20.4 30.6

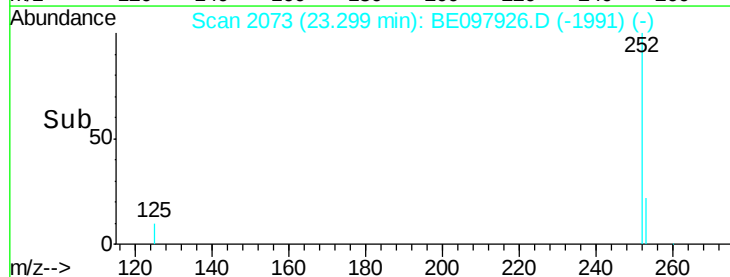
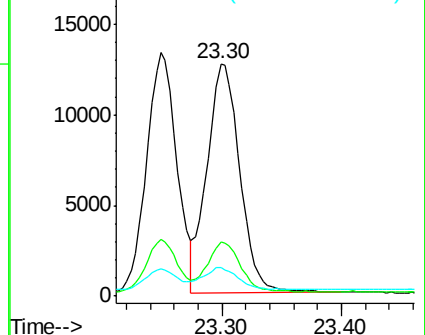
125 12.3 14.6 21.8#

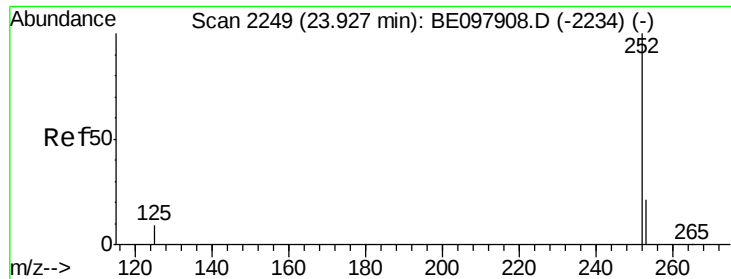


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.421 ng

RT: 23.92 min Scan# 2247

Delta R.T. -0.01 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MS

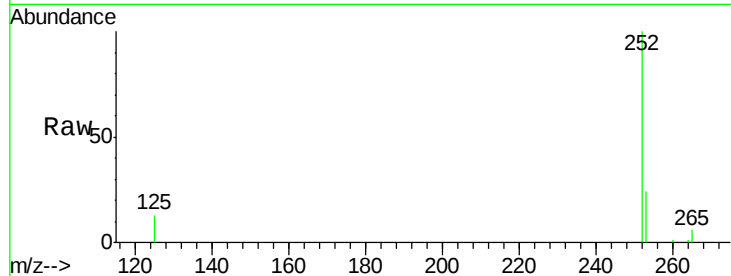
Tgt Ion:252 Resp: 20987

Ion Ratio Lower Upper

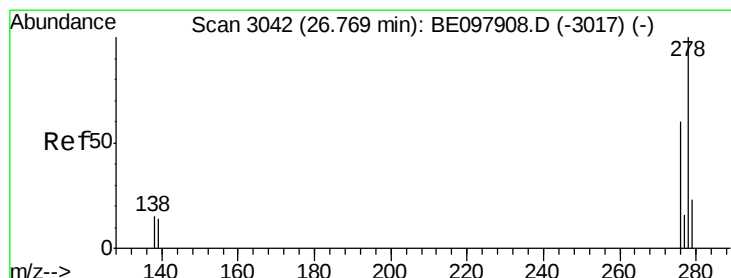
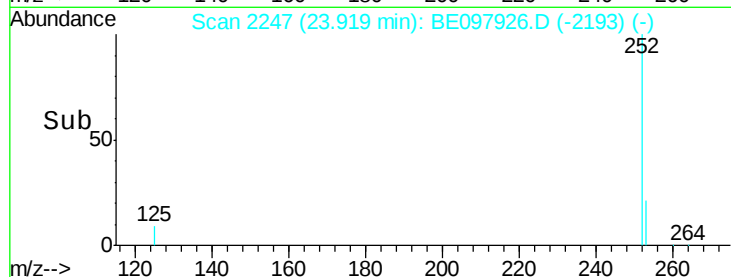
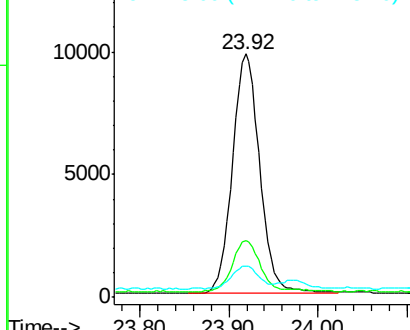
252 100

253 23.5 20.6 31.0

125 12.9 15.6 23.4#



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: 0.396 ng

RT: 26.76 min Scan# 3039

Delta R.T. -0.01 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

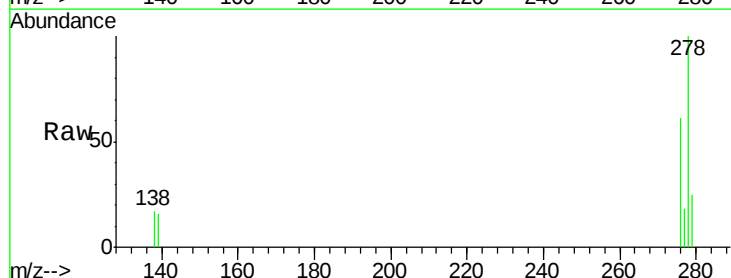
Tgt Ion:278 Resp: 19347

Ion Ratio Lower Upper

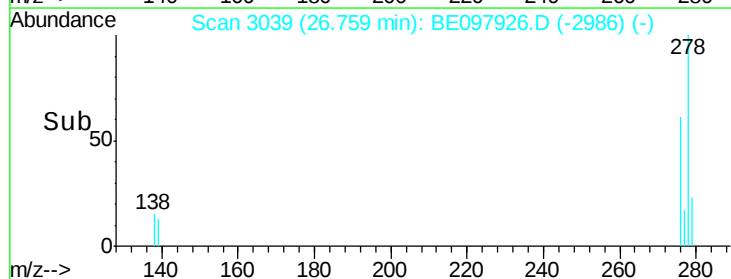
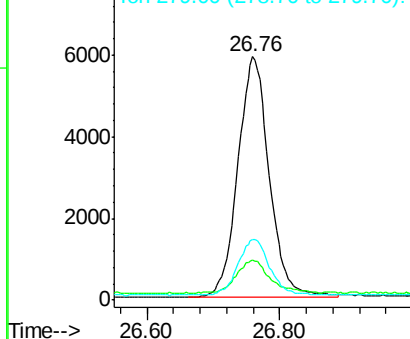
278 100

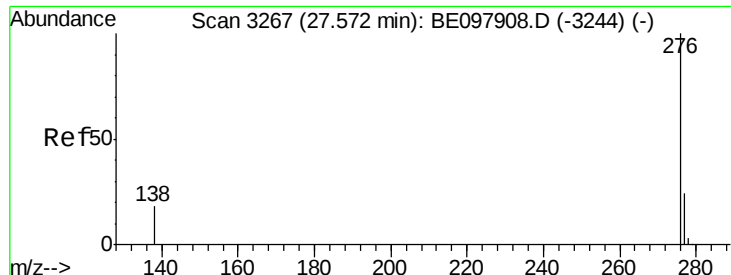
139 16.2 16.3 24.5#

279 25.1 21.4 32.2



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





#39

Benzo(g,h,i)perylene

Concen: 0.330 ng

RT: 27.56 min Scan# 3264

Delta R.T. -0.01 min

Lab File: BE097926.D

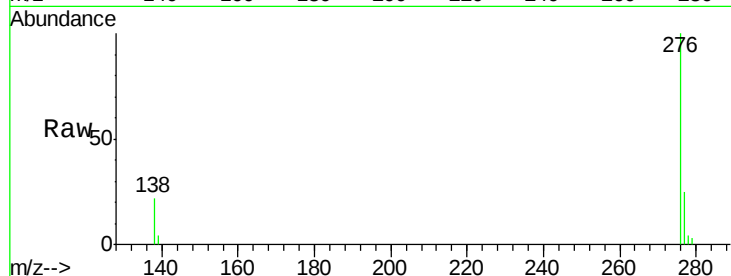
Acq: 17 Oct 2018 1:02

Instrument :

BNA_E

ClientSampleId :

RE-122D3-20181004MS



Tgt Ion: 276 Resp: 16479

Ion Ratio Lower Upper

276 100

277 25.0 22.1 33.1

138 21.6 19.3 28.9

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

