

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 :

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

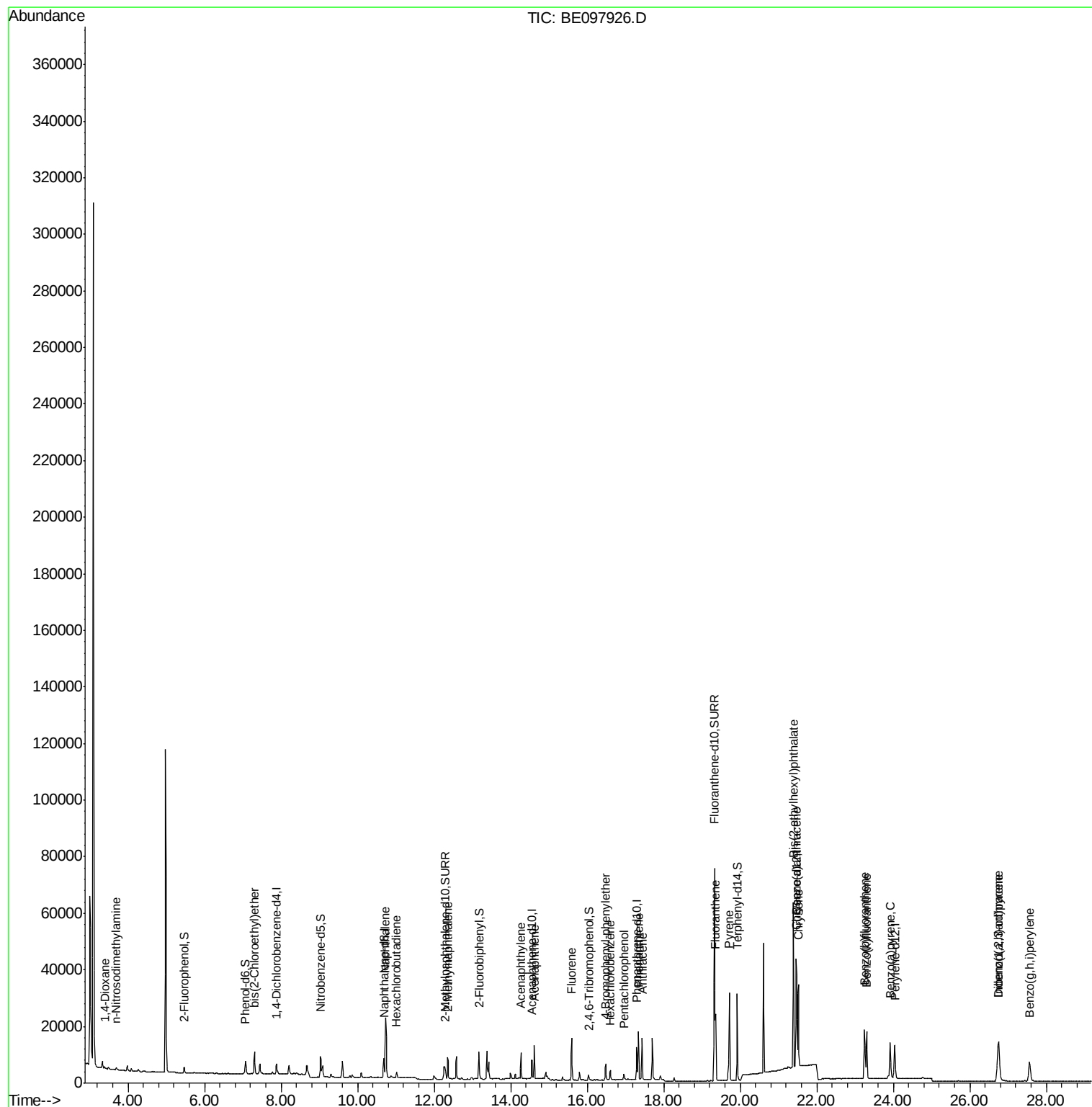
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.38	88	489	0.155	ng	# 88
3) n-Nitrosodimethylamine	3.69	42	591	0.168	ng	# 93
6) bis(2-Chloroethyl)ether	7.30	93	2708	0.378	ng	98
9) Naphthalene	10.73	128	33932	0.438	ng	100
10) Hexachlorobutadiene	11.02	225	1502	0.360	ng	96
12) 2-Methylnaphthalene	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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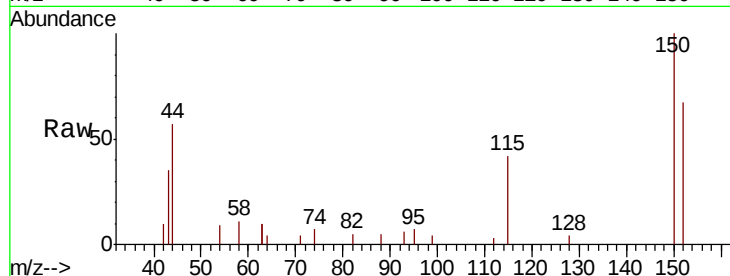


#1

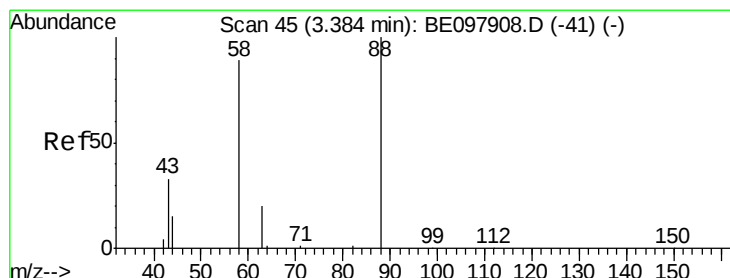
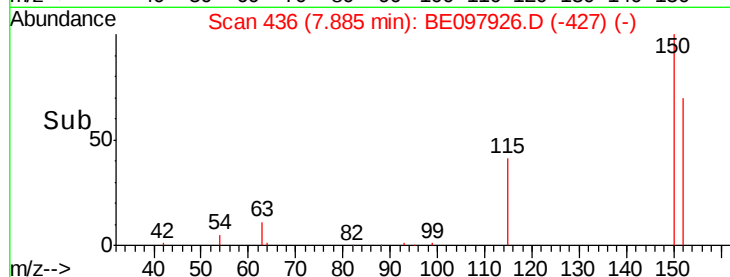
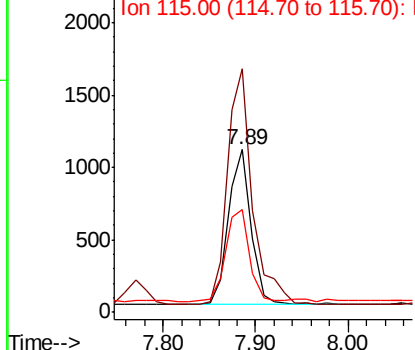
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.89 min Scan# 436
Delta R.T. -0.00 min
Lab File: BE097926.D
Acq: 17 Oct 2018 1:02

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1810
Ion Ratio Lower Upper
152 100
150 149.7 118.2 177.4
115 62.9 50.9 76.3



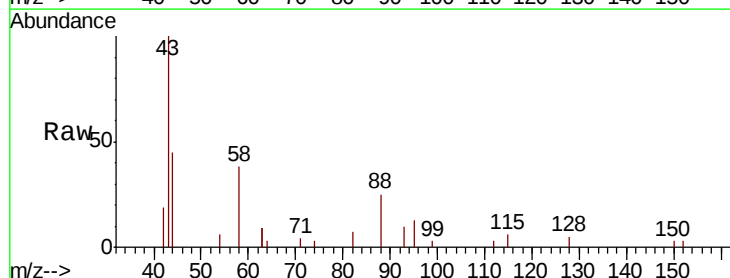
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



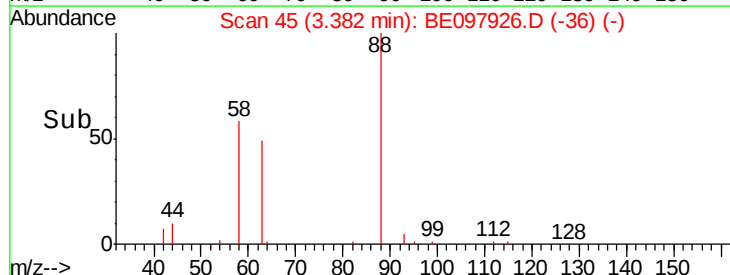
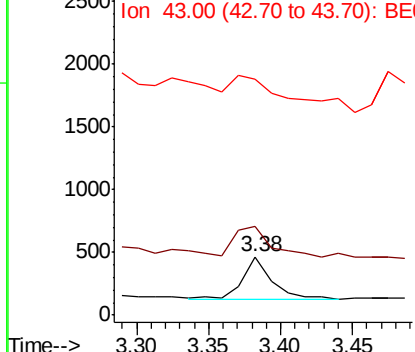
#2

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



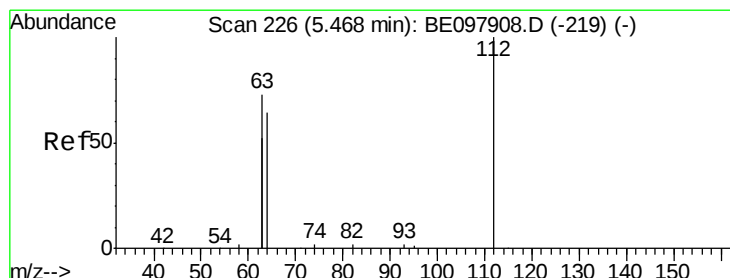
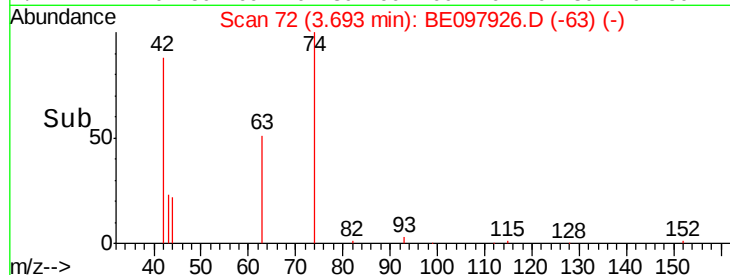
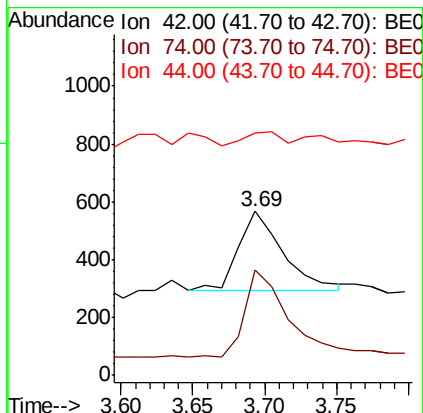
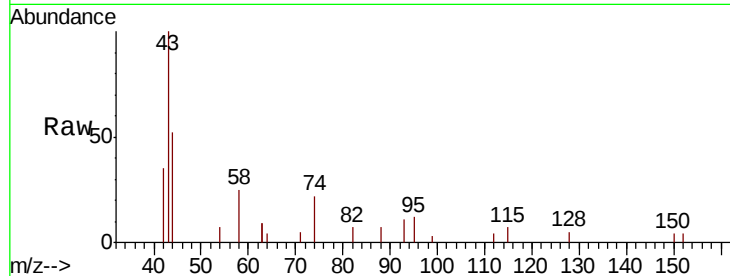


#3

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
 ClientSampleId :

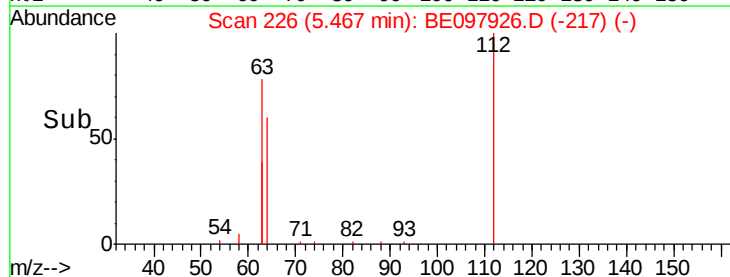
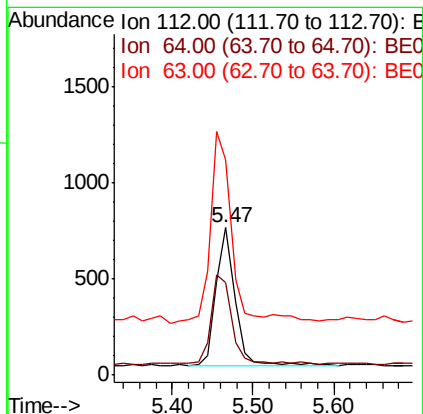
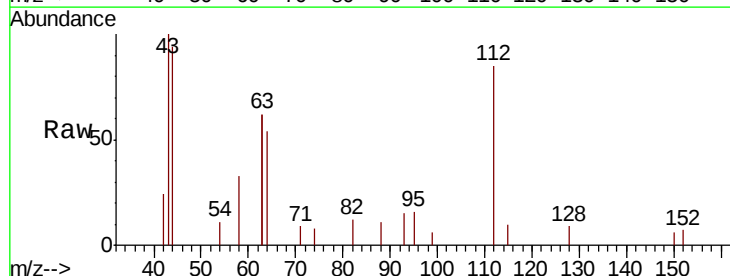
Tot Ion: 42 Resp: 591
 Ion Ratio Lower Upper
 42 100
 74 103.0 77.6 116.4
 44 14.2 7.6 11.4#

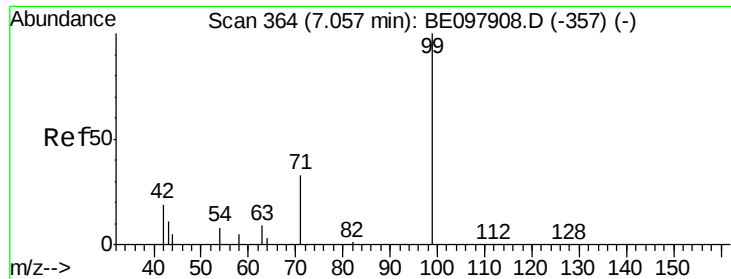


#4

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 :

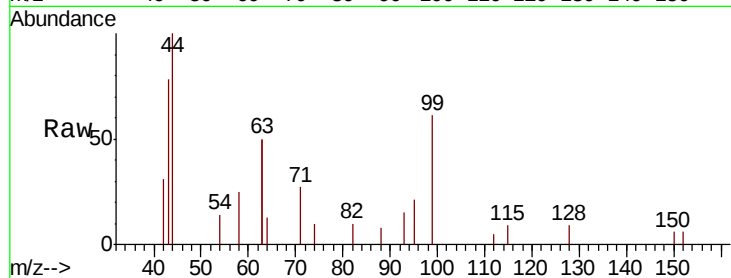
Tot Ion: 99 Resp: 1054

Ion Ratio Lower Upper

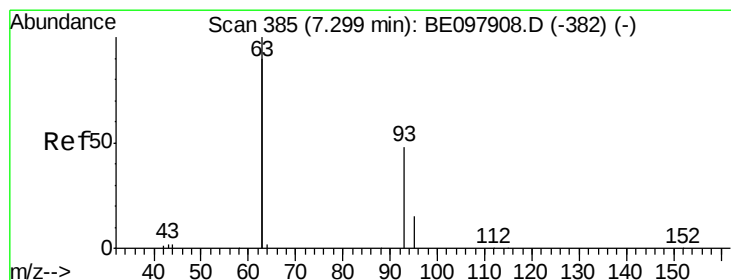
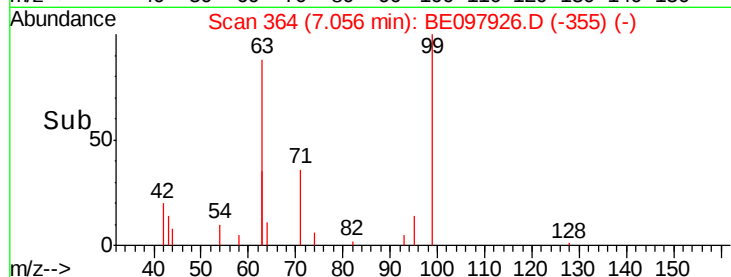
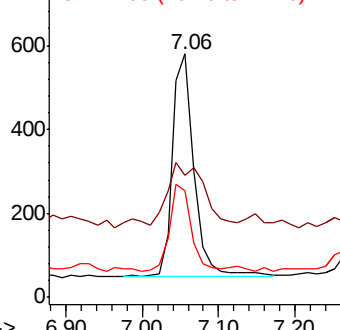
99 100

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

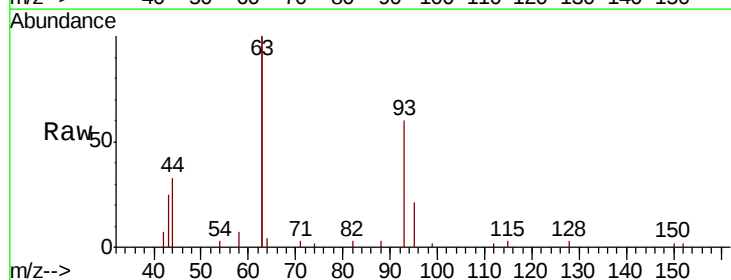
Tgt Ion: 93 Resp: 2708

Ion Ratio Lower Upper

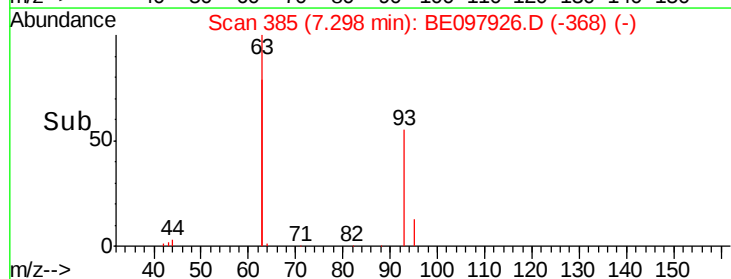
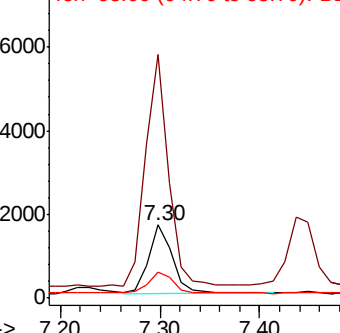
93 100

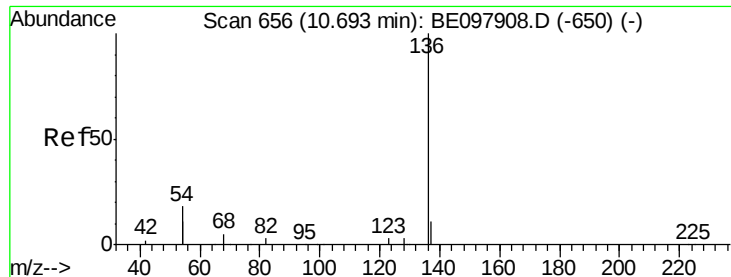
63 328.0 259.0 388.4

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 :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 7779

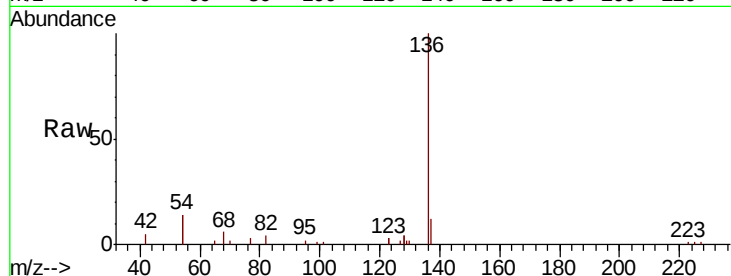
Ion Ratio Lower Upper

136 100

137 12.2 9.6 14.4

54 27.9 27.7 41.5

68 5.7 5.3 7.9

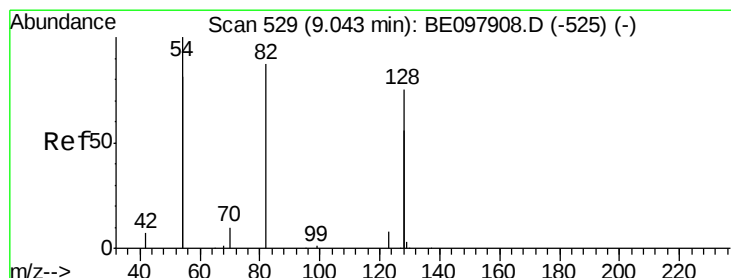
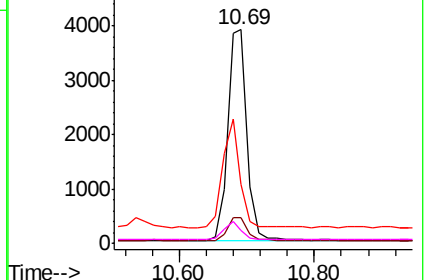
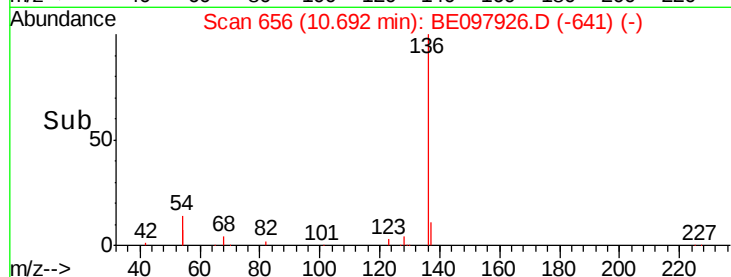


Abundance Ion 136.00 (135.70 to 136.70): E

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



#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

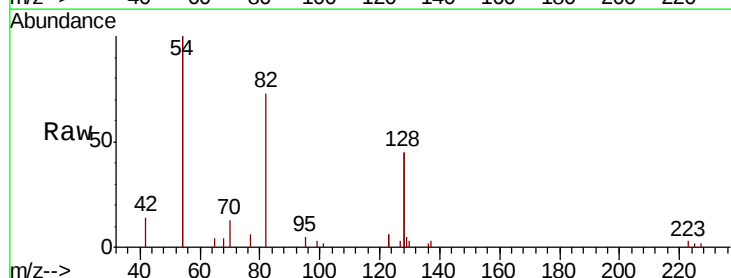
Tgt Ion: 82 Resp: 2896

Ion Ratio Lower Upper

82 100

128 124.6 129.9 194.9#

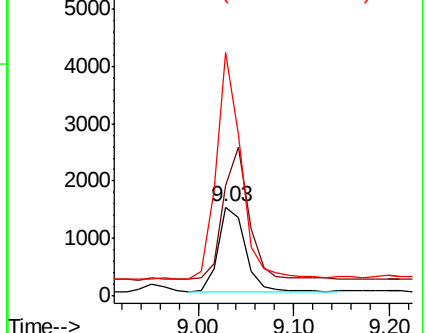
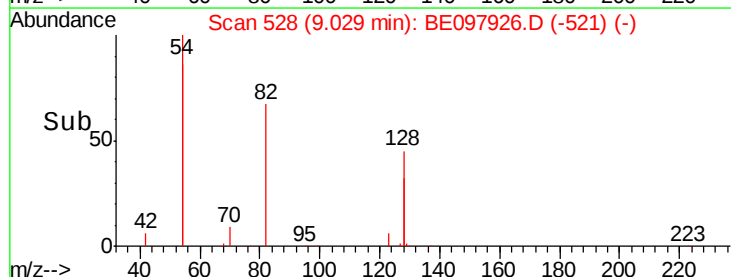
54 274.4 174.0 261.0#

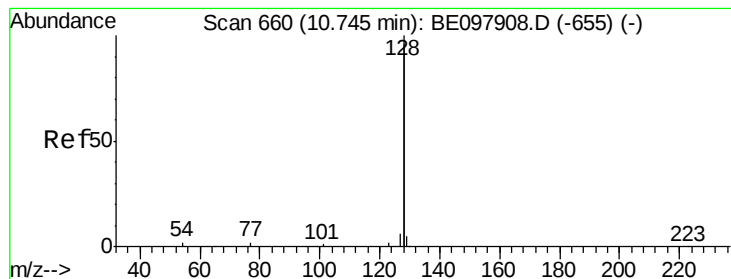


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#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

Instrument :

BNA_E

ClientSampleId :

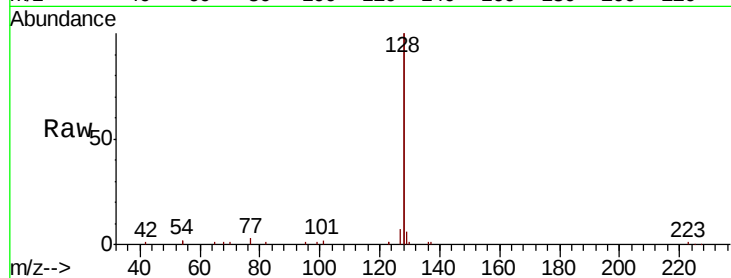
Tot Ion:128 Resp: 33932

Ion Ratio Lower Upper

128 100

129 2.9 2.5 3.7

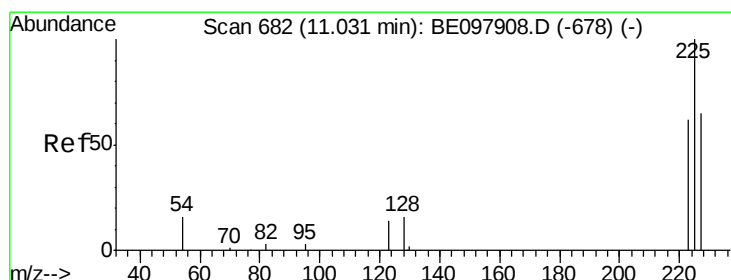
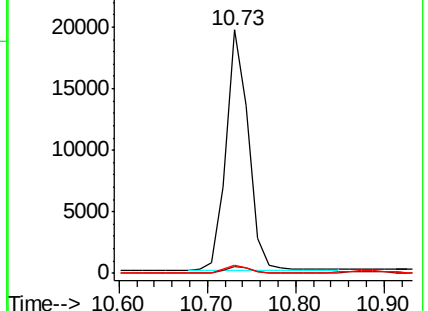
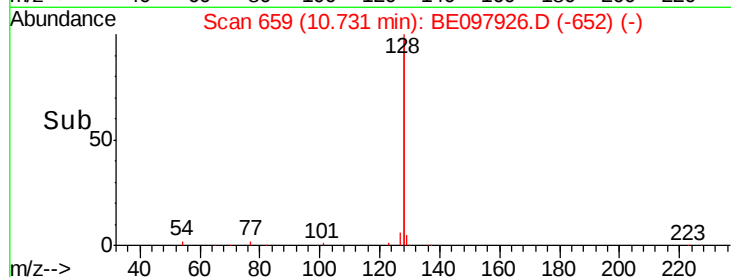
127 3.5 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.360 ng

RT: 11.02 min Scan# 681

Delta R.T. -0.01 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

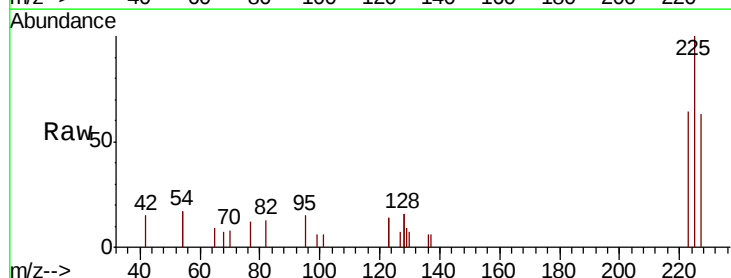
Tgt Ion:225 Resp: 1502

Ion Ratio Lower Upper

225 100

223 62.2 51.8 77.8

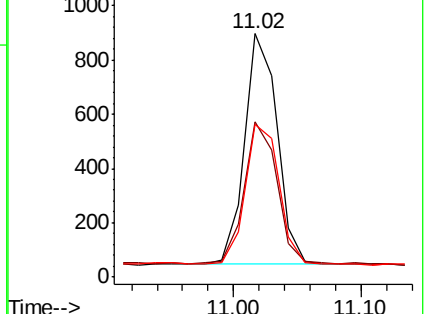
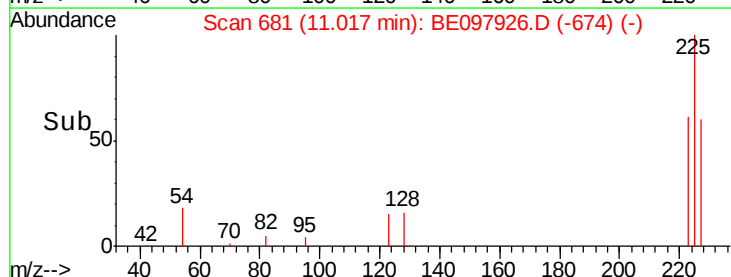
227 62.6 53.0 79.6

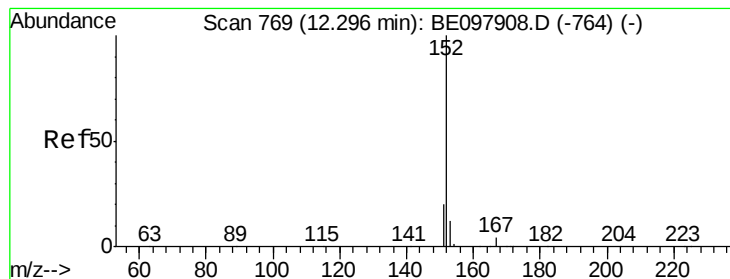


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.635 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

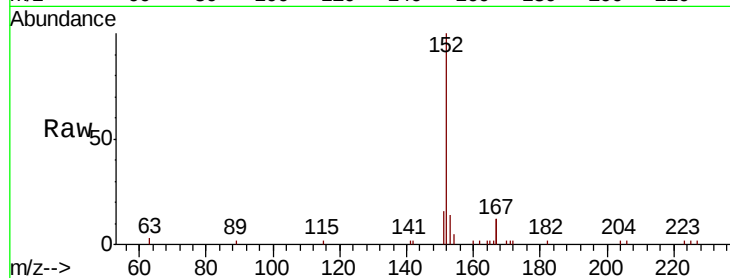
ClientSampleId :

Tot Ion:152 Resp: 8222

Ion Ratio Lower Upper

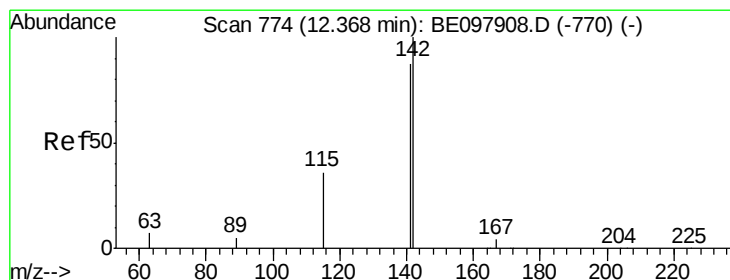
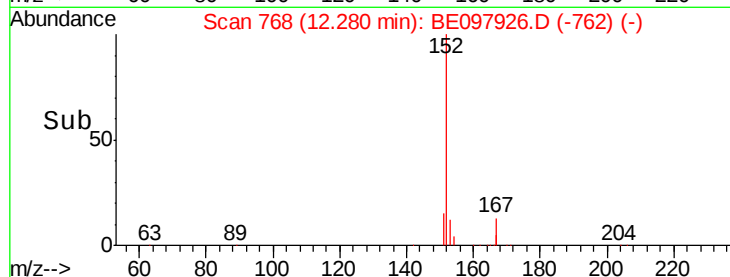
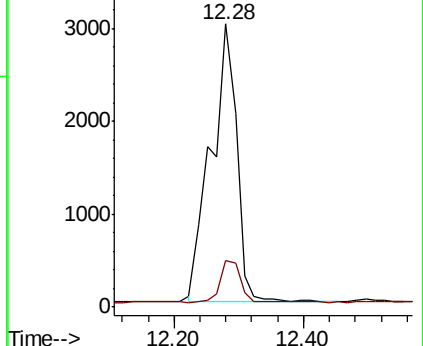
152 100

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

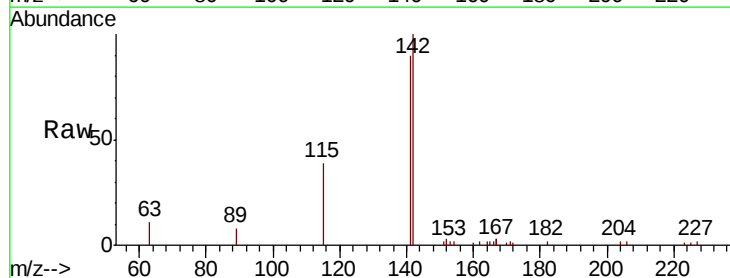
Tgt Ion:142 Resp: 6086

Ion Ratio Lower Upper

142 100

141 90.3 69.8 104.6

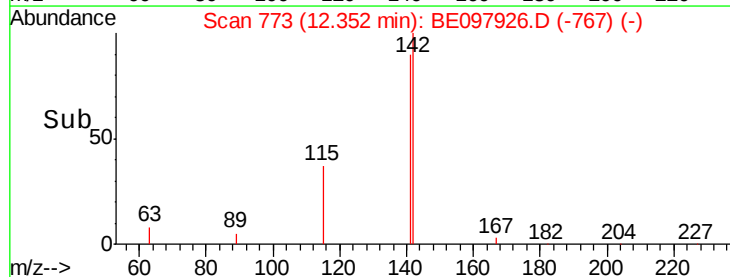
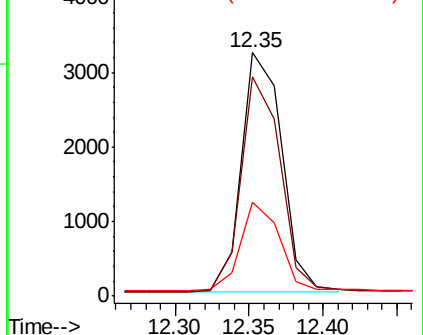
115 38.6 30.5 45.7

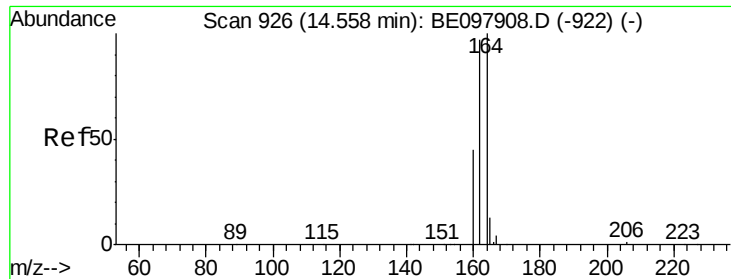


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

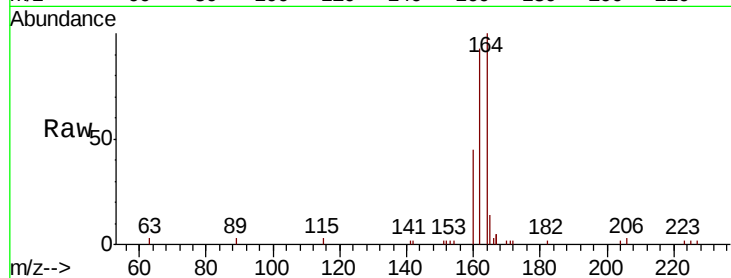




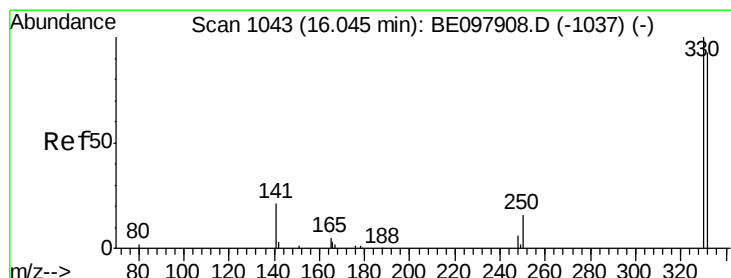
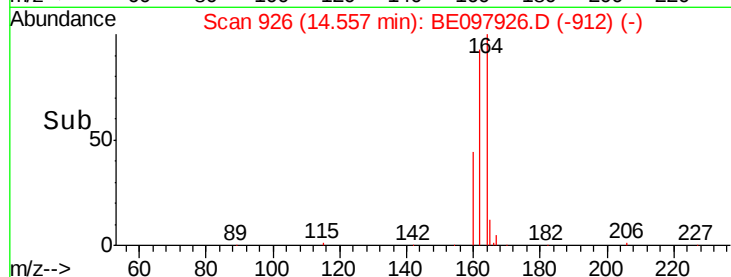
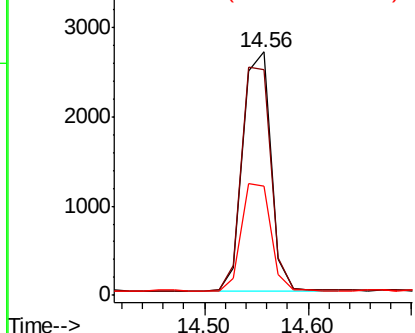
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.56 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BE097926.D
 Acq: 17 Oct 2018 1:02

Instrument :
 BNA_E
 ClientSampleId :

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

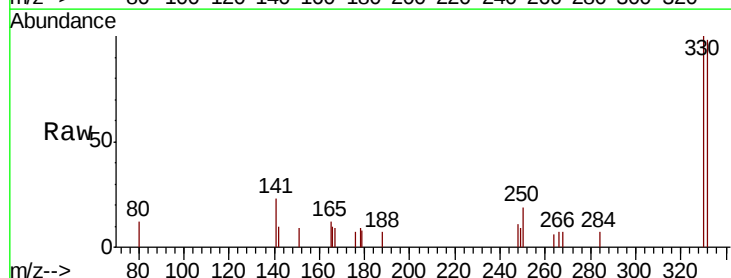


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

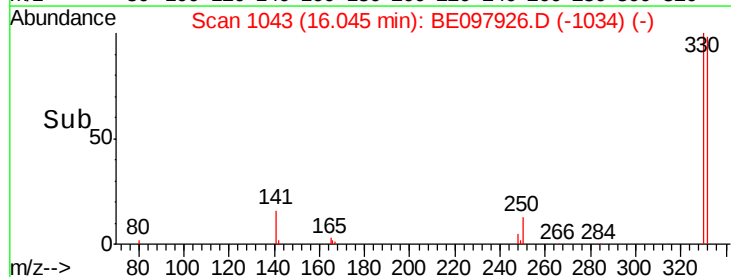
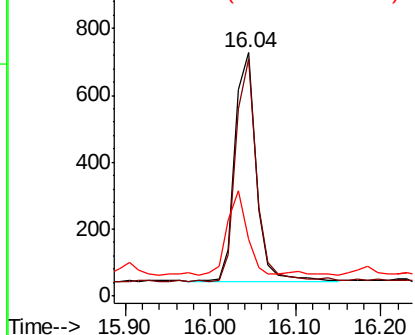


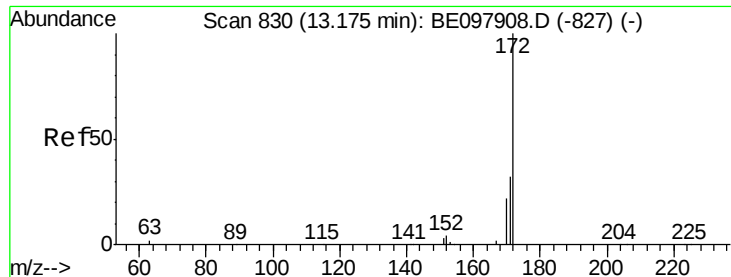
#14
 2,4,6-Tribromophenol
 Concen: 0.436 ng
 RT: 16.04 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: BE097926.D
 Acq: 17 Oct 2018 1:02

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



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

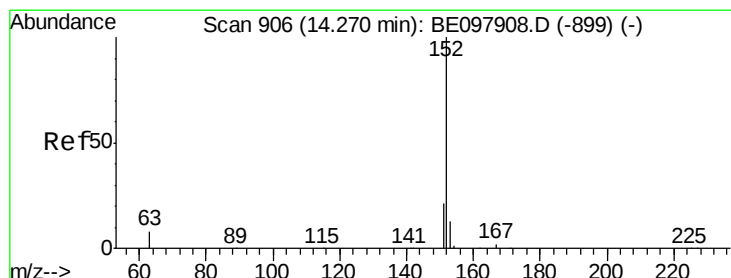
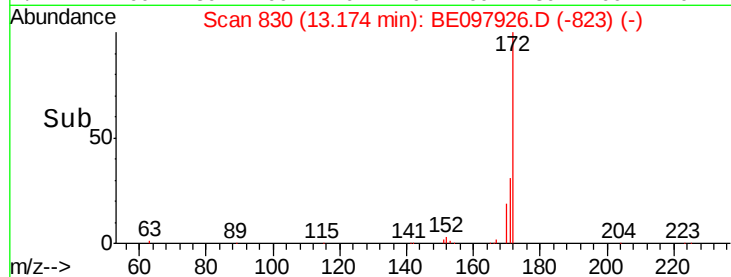
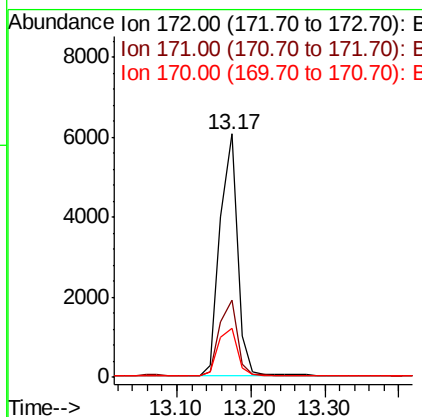
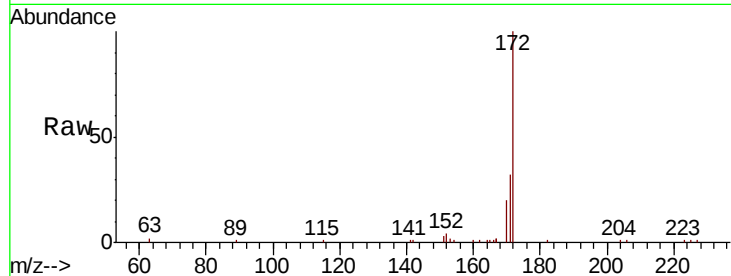




#15
2-Fluorobiphenyl
Concen: 0.482 ng
RT: 13.17 min Scan# 830
Delta R.T. -0.00 min
Lab File: BE097926.D
Acq: 17 Oct 2018 1:02

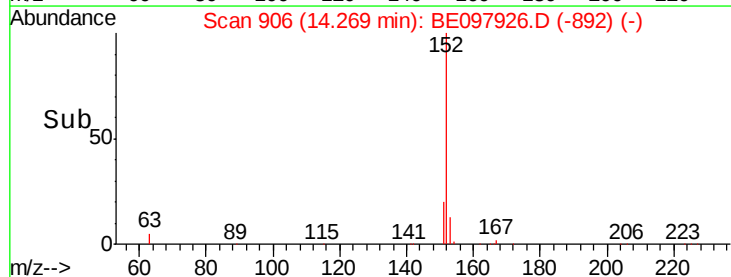
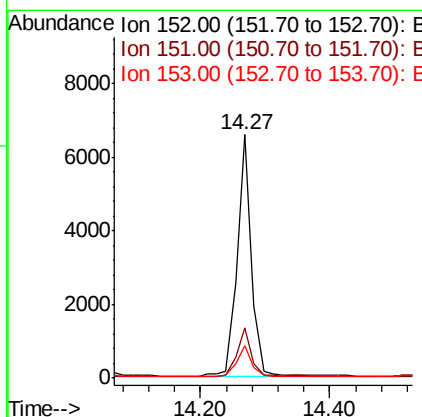
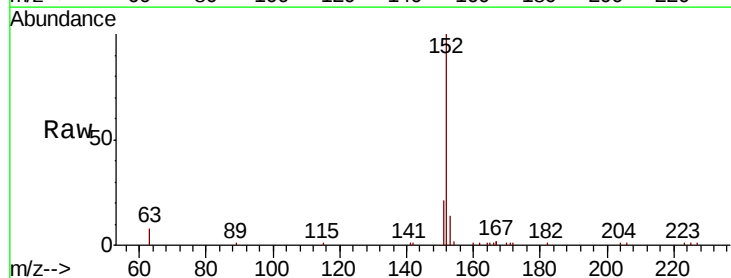
Instrument :
BNA_E
ClientSampleId :

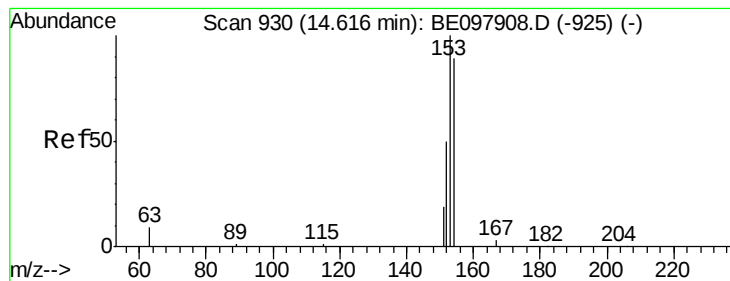
Tot Ion:172 Resp: 9867
Ion Ratio Lower Upper
172 100
171 31.6 26.0 39.0
170 20.1 18.0 27.0



#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





#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 :

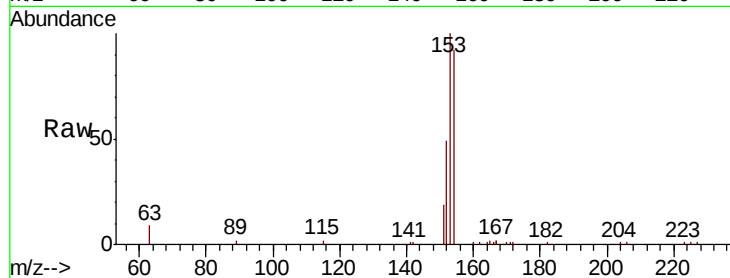
Tot Ion:154 Resp: 5889

Ion Ratio Lower Upper

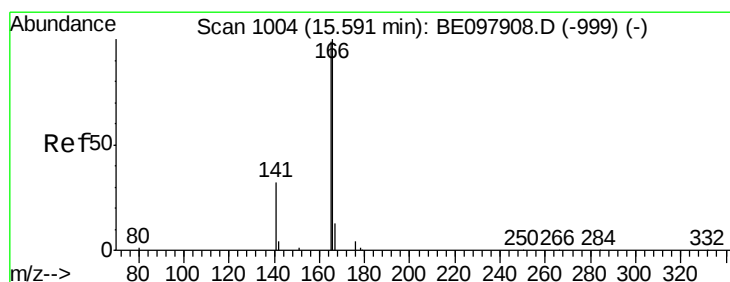
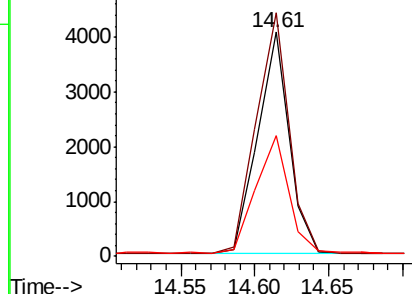
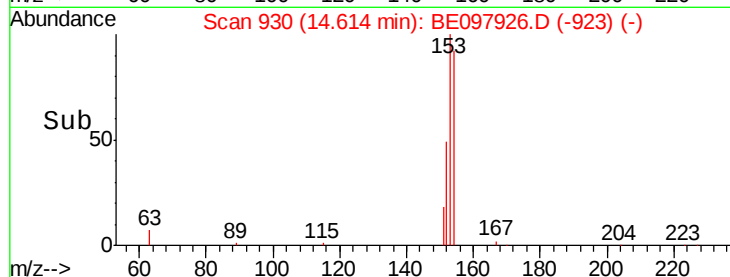
154 100

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

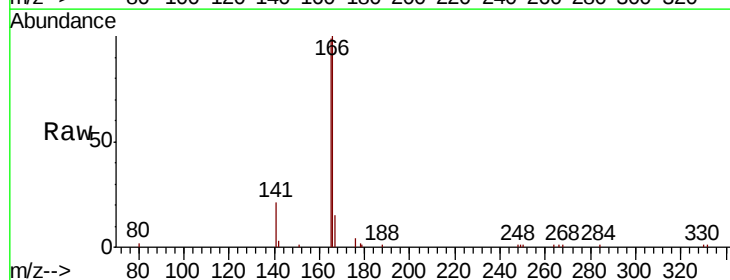
Tgt Ion:166 Resp: 8794

Ion Ratio Lower Upper

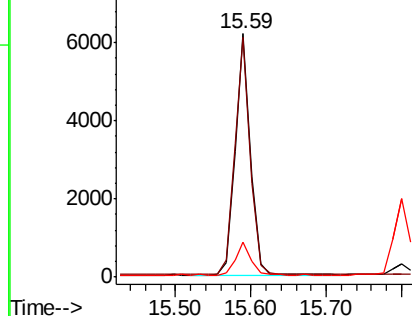
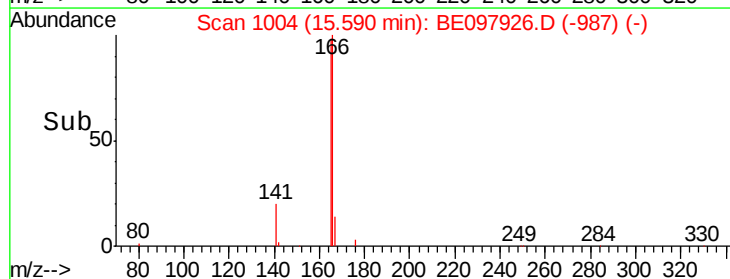
166 100

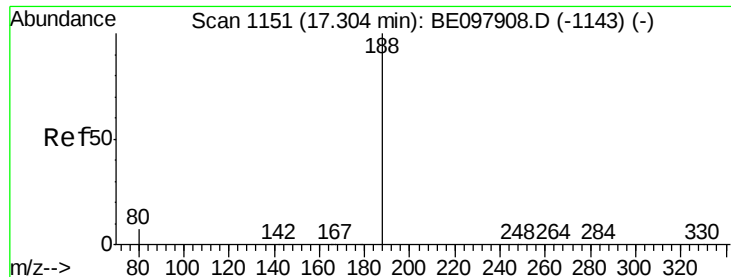
165 99.6 78.2 117.4

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 :

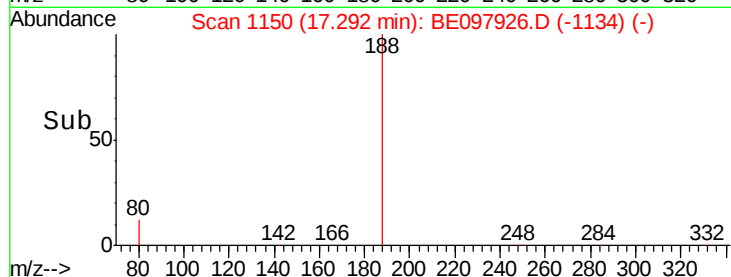
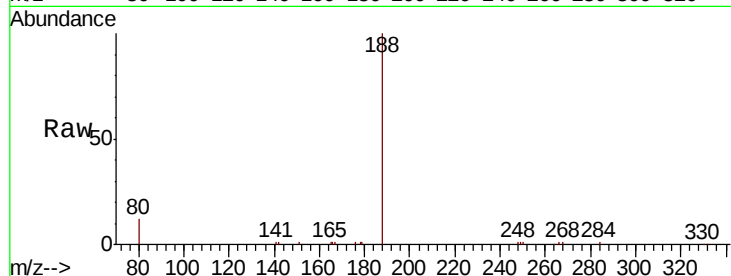
Tot Ion:188 Resp: 15458

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

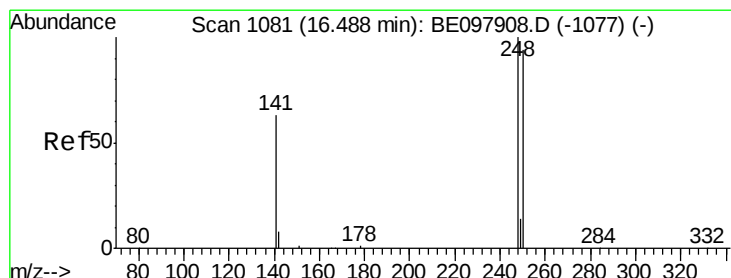
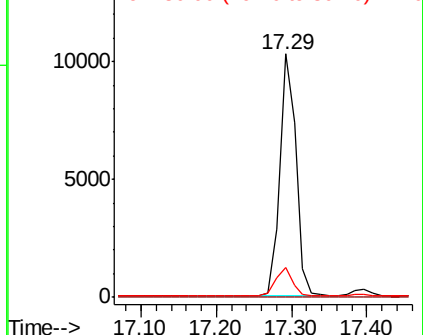
80 12.3 6.3 9.5#



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

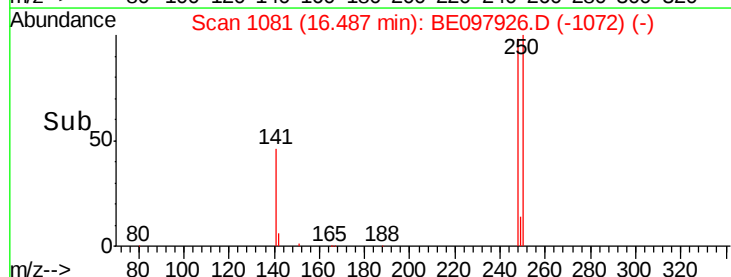
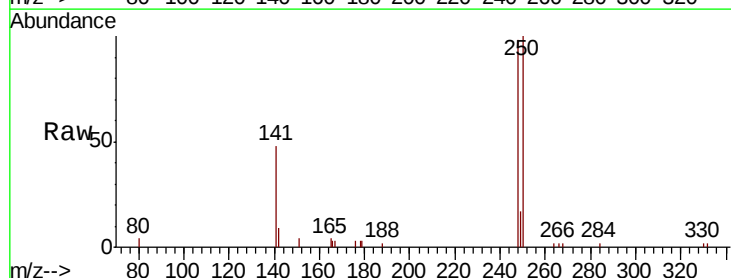
Tgt Ion:248 Resp: 3293

Ion Ratio Lower Upper

248 100

250 102.1 75.1 112.7

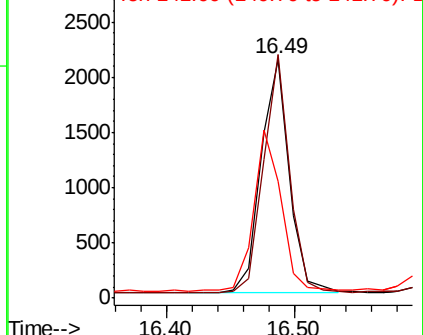
141 49.0 51.8 77.8#

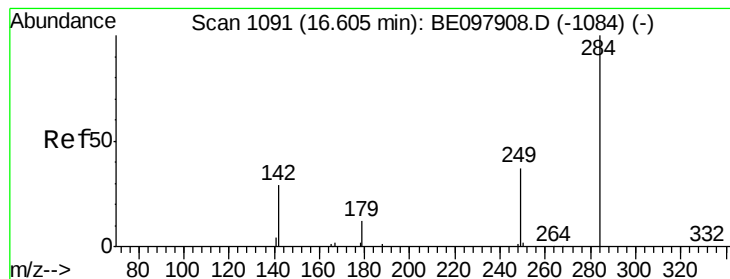


Abundance Ion 248.00 (247.70 to 248.70): E

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

ClientSampled :

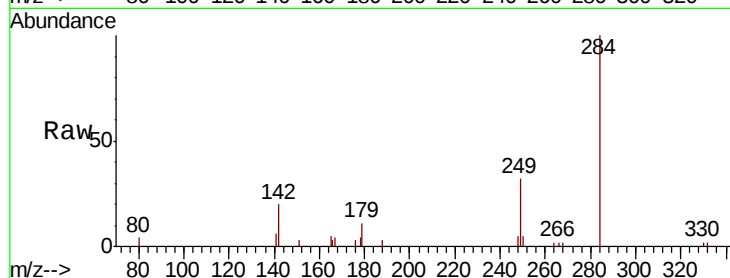
Tot Ion:284 Resp: 2921

Ion Ratio Lower Upper

284 100

142 31.2 25.9 38.9

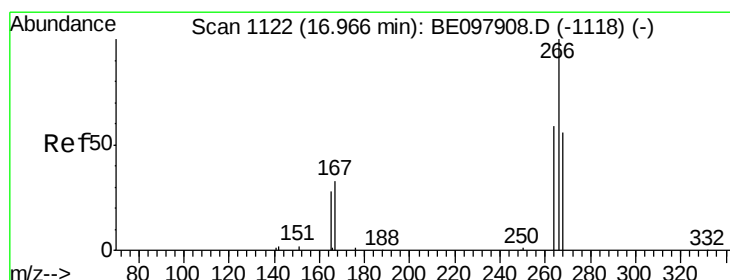
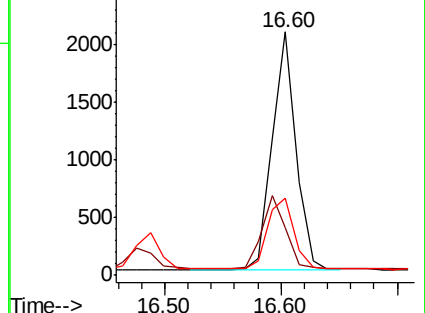
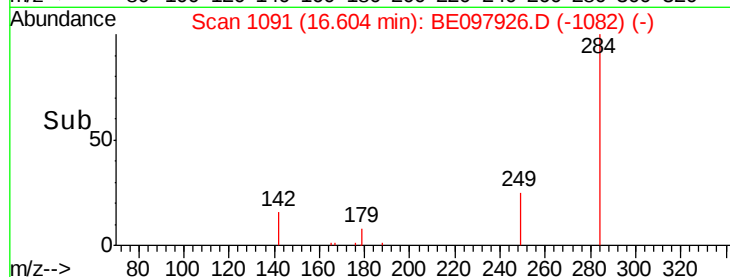
249 33.1 26.6 40.0



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: 0.636 ng

RT: 16.95 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

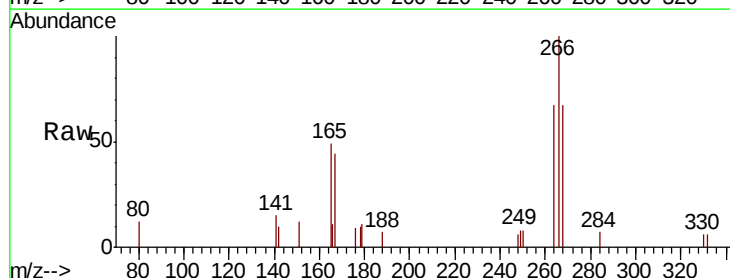
Tgt Ion:266 Resp: 1392

Ion Ratio Lower Upper

266 100

264 67.1 51.3 76.9

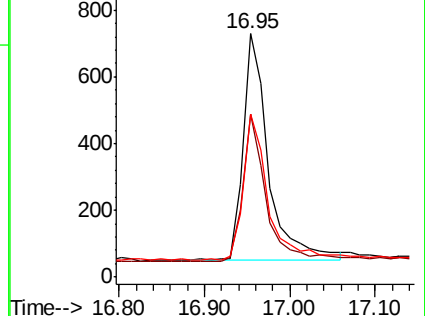
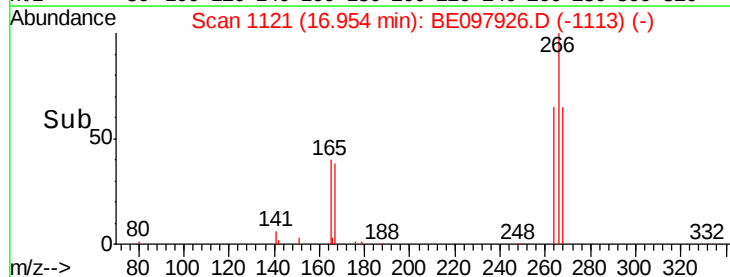
268 67.1 50.1 75.1

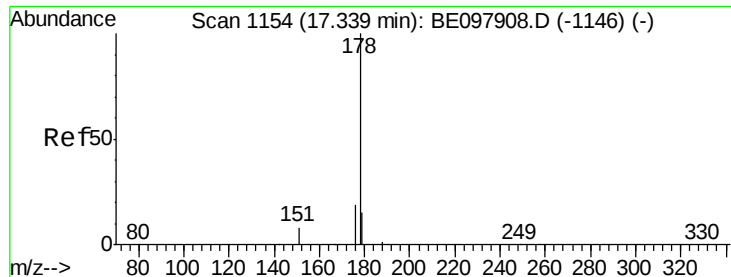


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.435 ng

RT: 17.34 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

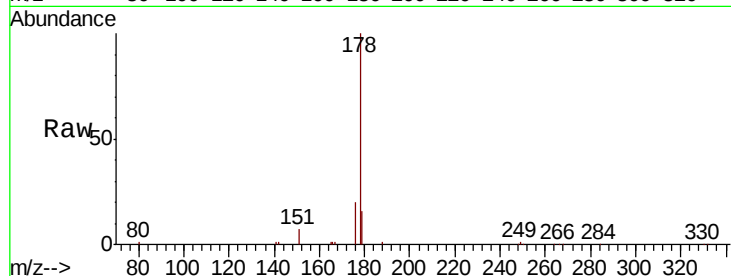
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 17083

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	15.4	12.2	18.4

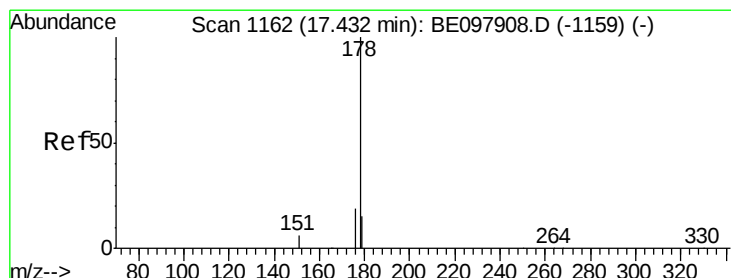
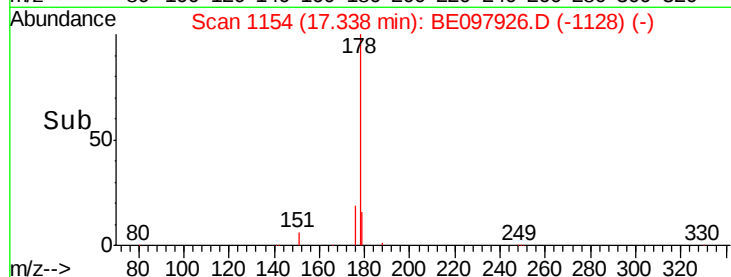
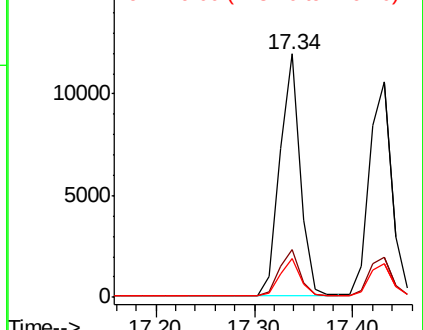


Abundance

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

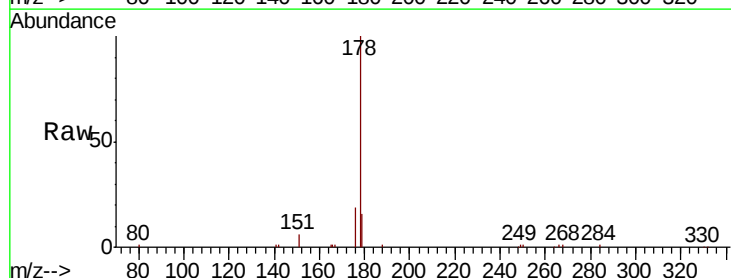
Delta R.T. -0.00 min

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

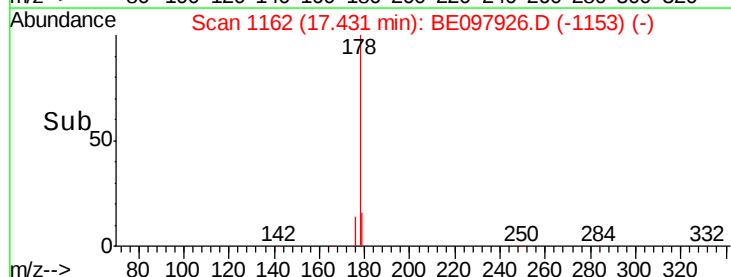
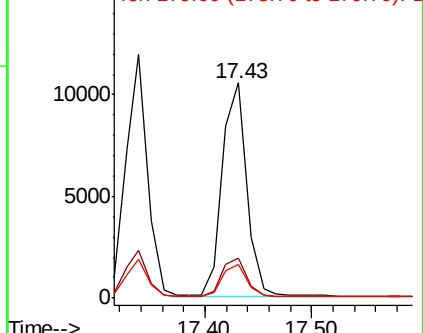


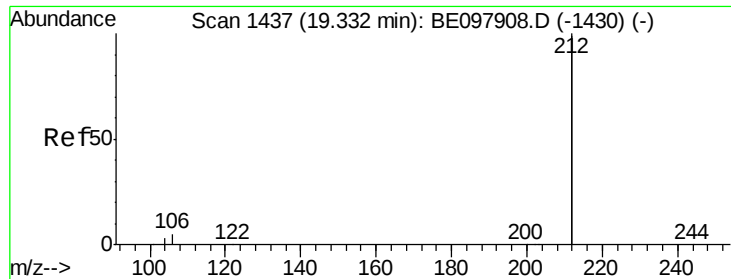
Abundance

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 :

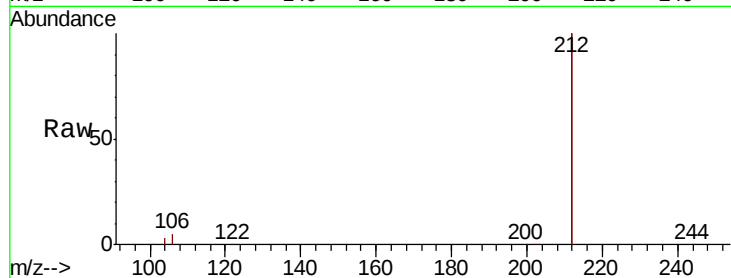
Tot Ion:212 Resp: 95393

Ion Ratio Lower Upper

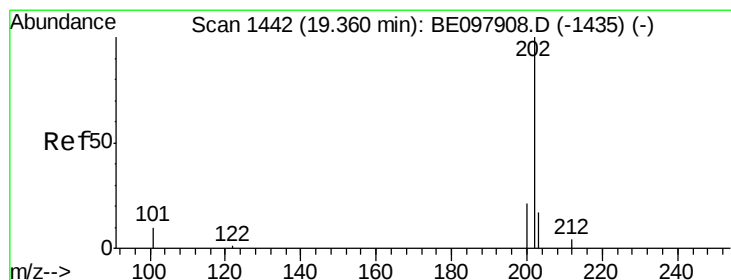
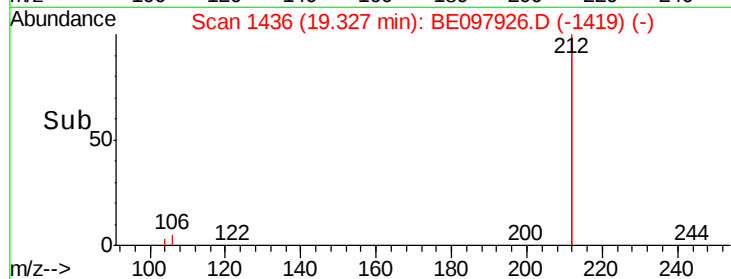
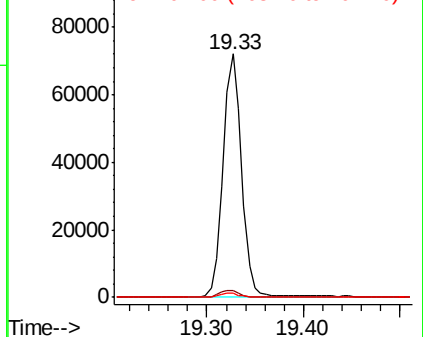
212 100

106 2.9 2.3 3.5

104 1.6 1.3 1.9



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: 0.500 ng

RT: 19.36 min Scan# 1441

Delta R.T. -0.00 min

Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

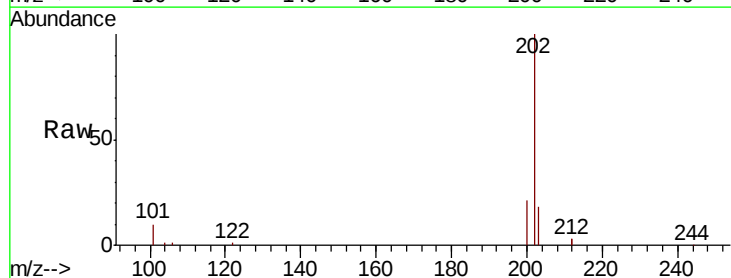
Tgt Ion:202 Resp: 25786

Ion Ratio Lower Upper

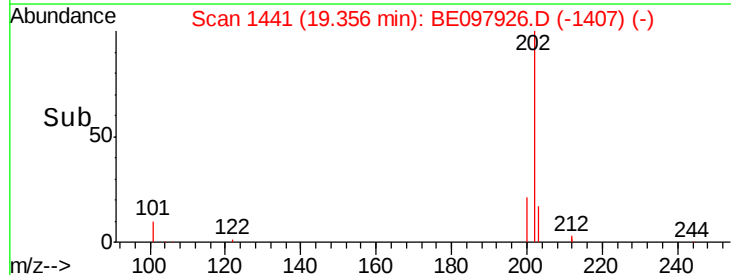
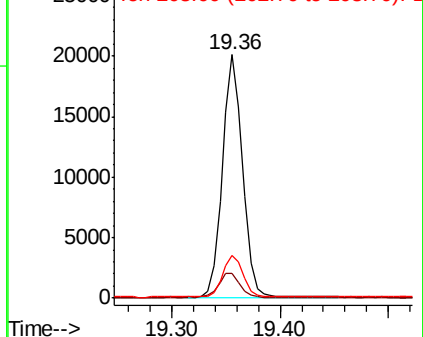
202 100

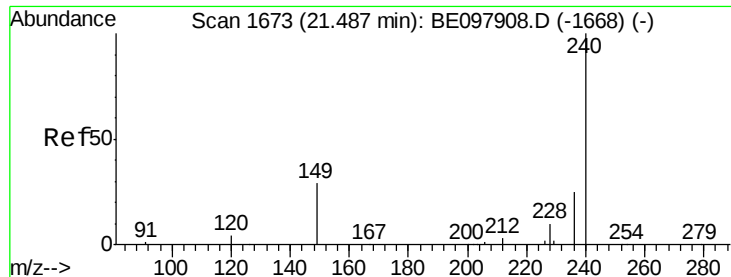
101 10.9 8.2 12.2

203 17.4 15.0 22.4



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: BE097926.D

Acq: 17 Oct 2018 1:02

Instrument :

BNA_E

ClientSampleId :

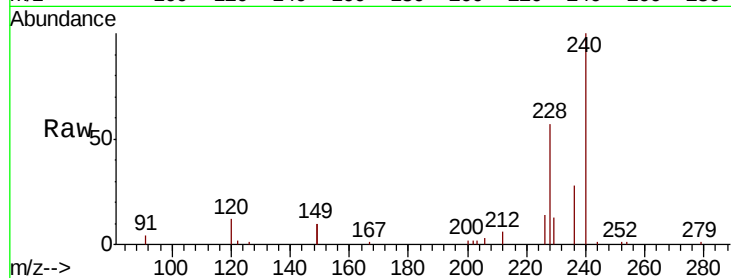
Tot Ion:240 Resp: 22215

Ion Ratio Lower Upper

240 100

120 12.5 7.1 10.7#

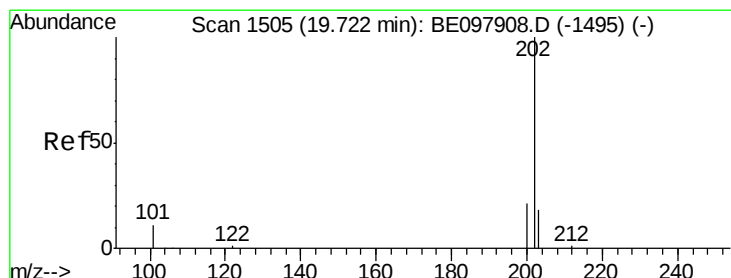
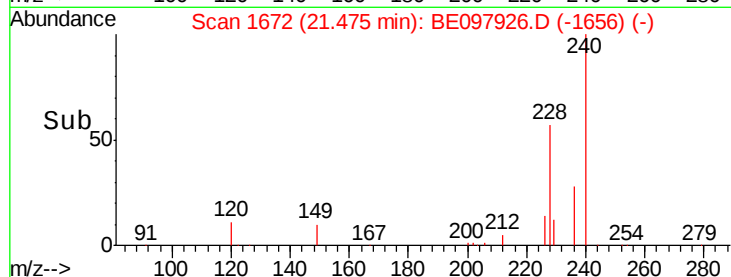
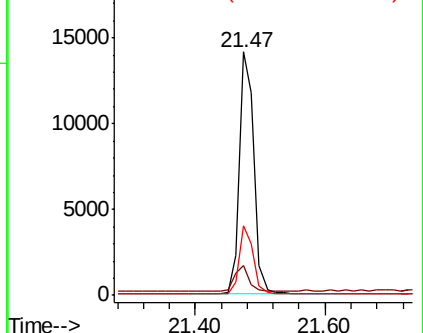
236 28.4 21.3 31.9



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

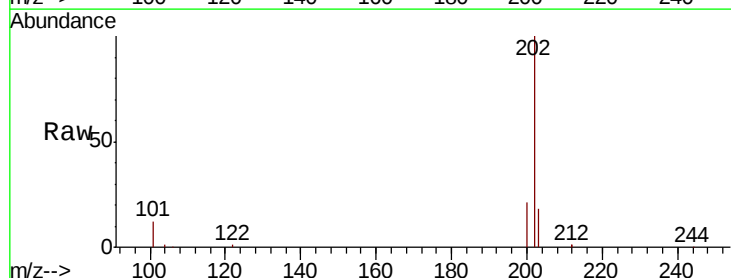
Tgt Ion:202 Resp: 26945

Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.4

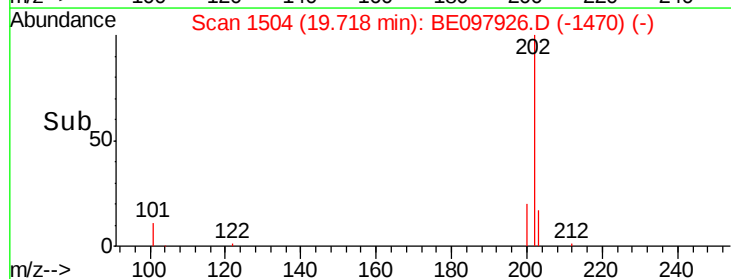
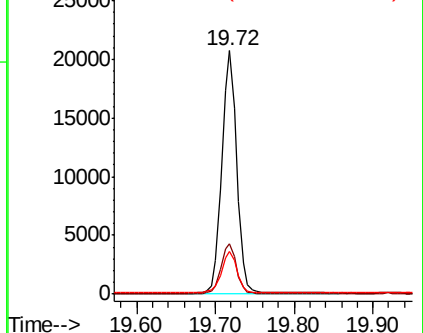
203 18.0 14.2 21.4

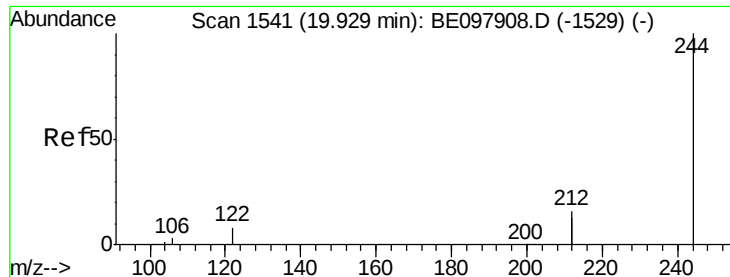


Abundance Ion 202.00 (201.70 to 202.70): E

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

ClientSampled :

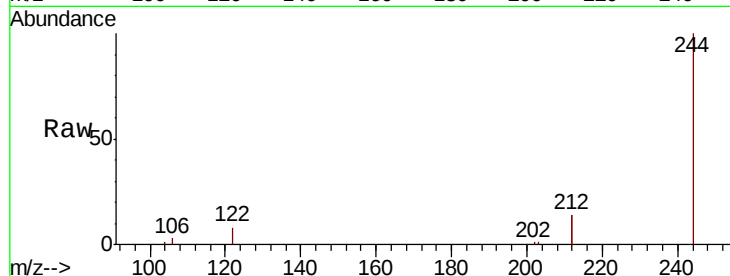
Tot Ion:244 Resp: 26421

Ion Ratio Lower Upper

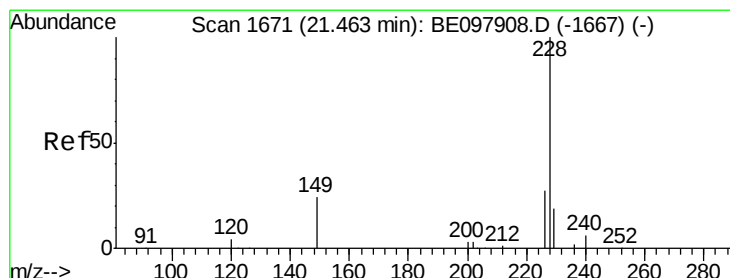
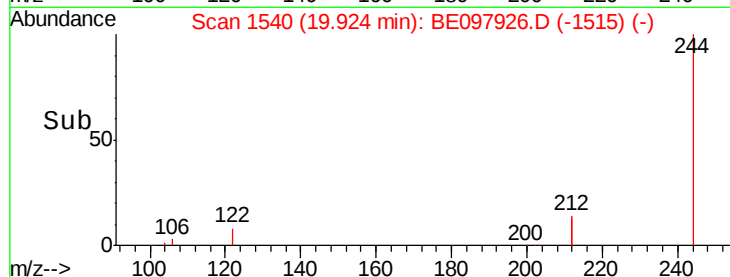
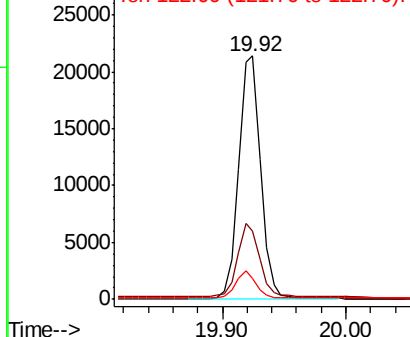
244 100

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

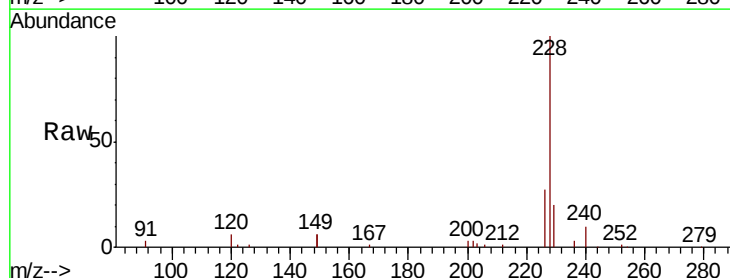
Tgt Ion:228 Resp: 29536

Ion Ratio Lower Upper

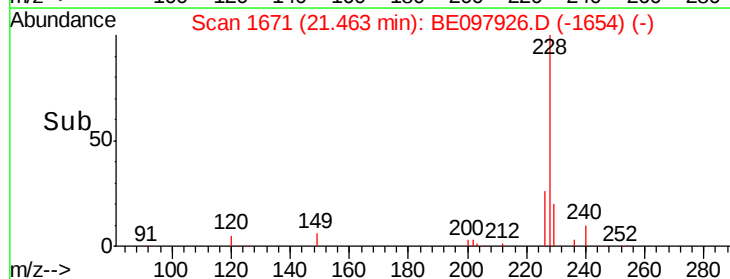
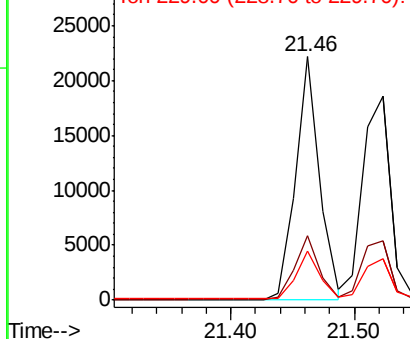
228 100

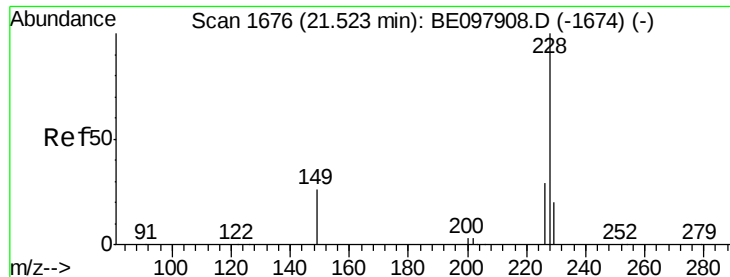
226 26.6 22.6 33.8

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 :

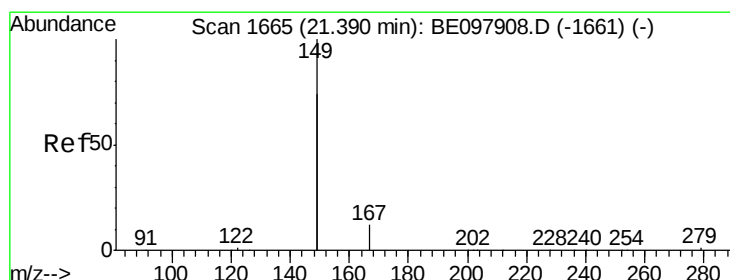
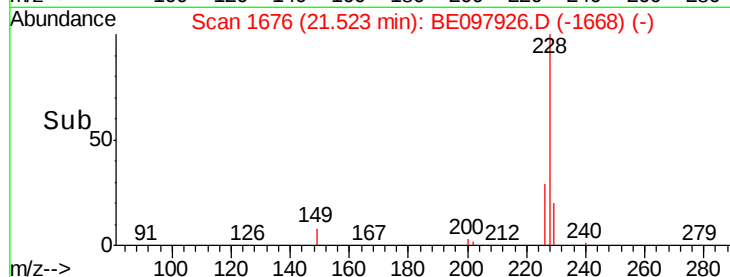
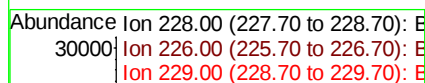
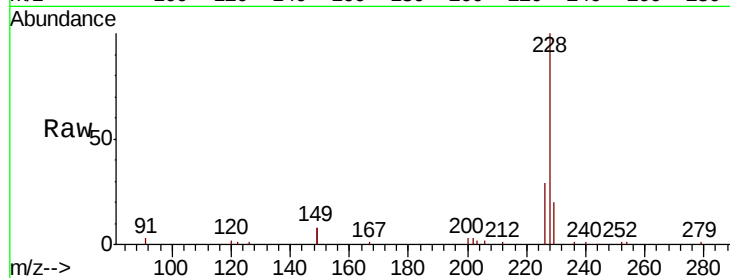
Tot Ion:228 Resp: 28626

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

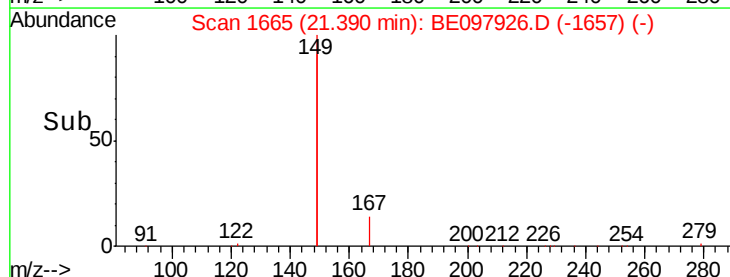
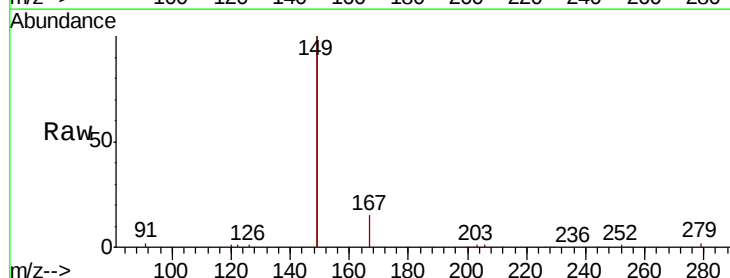
Tgt Ion:149 Resp: 64615

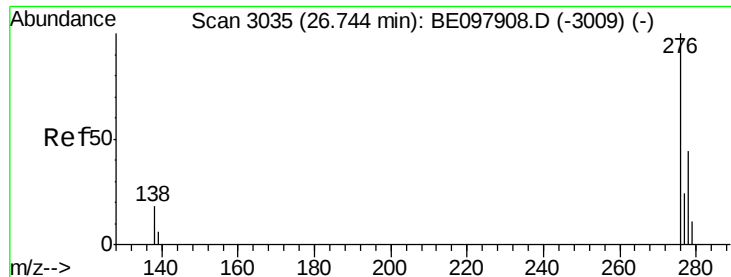
Ion Ratio Lower Upper

149 100

167 7.0 5.6 8.4

279 1.0 0.9 1.3

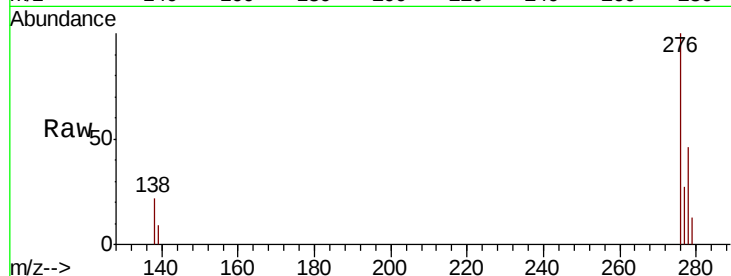




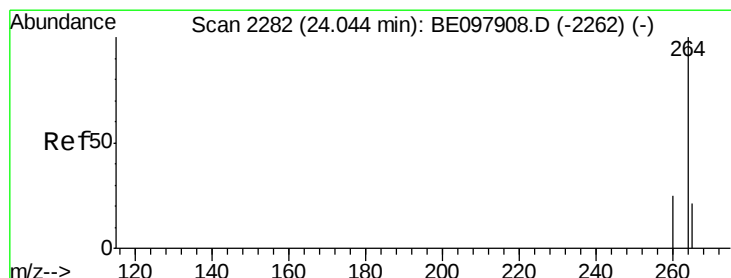
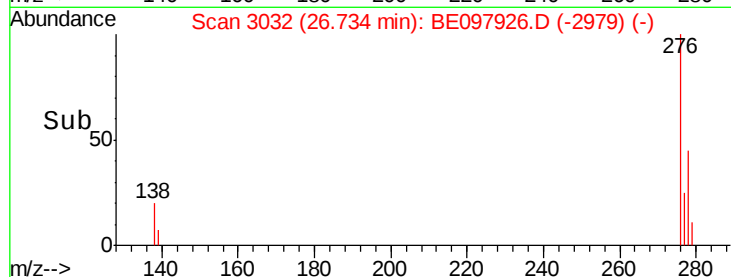
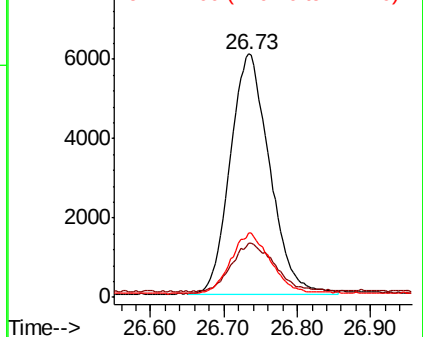
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.280 ng
RT: 26.73 min Scan# 3032
Delta R.T. -0.01 min
Lab File: BE097926.D
Acq: 17 Oct 2018 1:02

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 22448
Ion Ratio Lower Upper
276 100
138 21.5 17.0 25.6
277 25.2 20.5 30.7

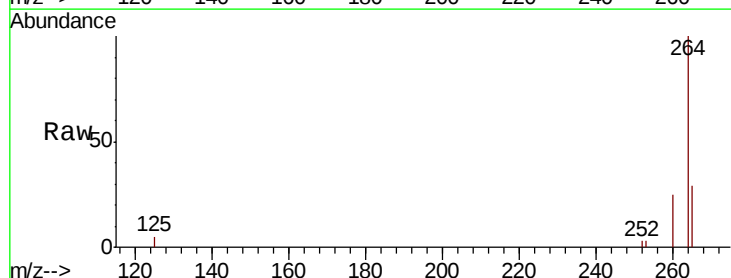


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

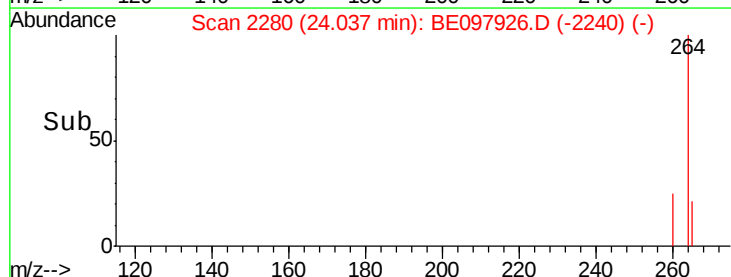
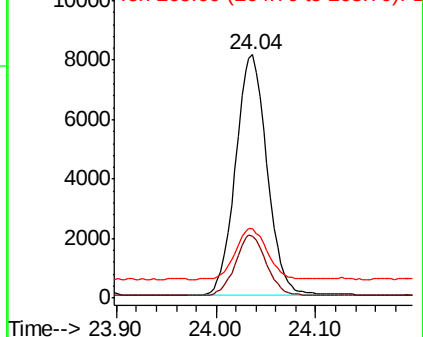


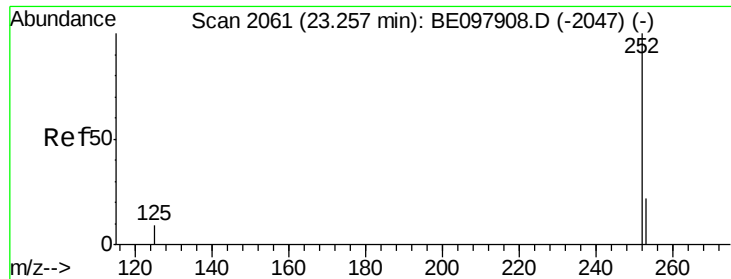
#34
Perylene-d12
Concen: 0.400 ng
RT: 24.04 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BE097926.D
Acq: 17 Oct 2018 1:02

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#



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: 0.458 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 :

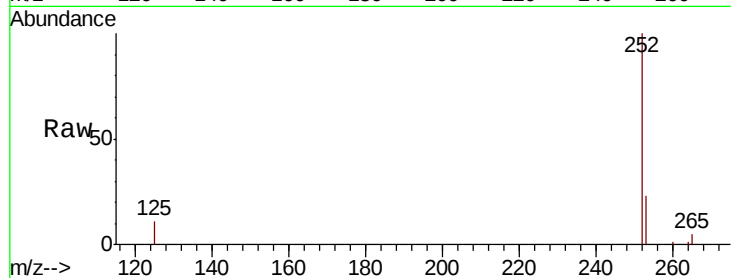
Tot Ion:252 Resp: 23404

Ion Ratio Lower Upper

252 100

253 23.5 20.6 31.0

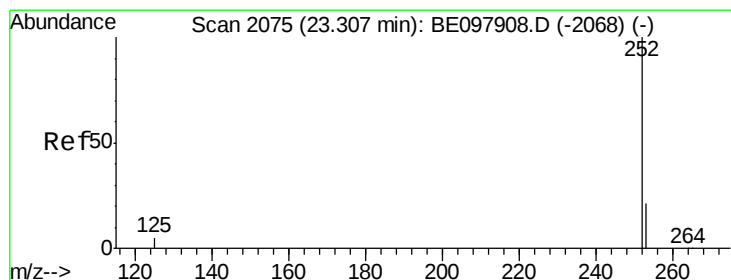
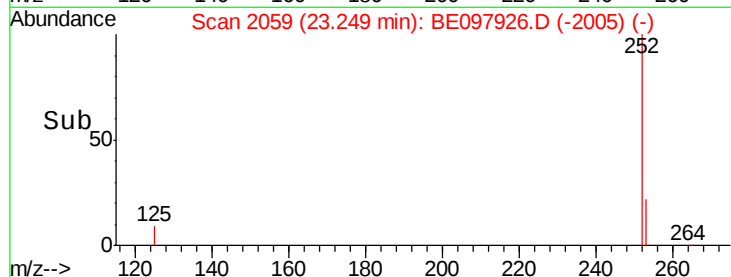
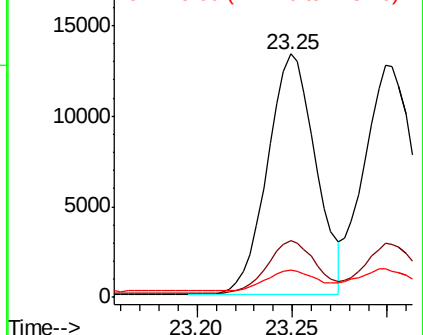
125 11.0 14.3 21.5#



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

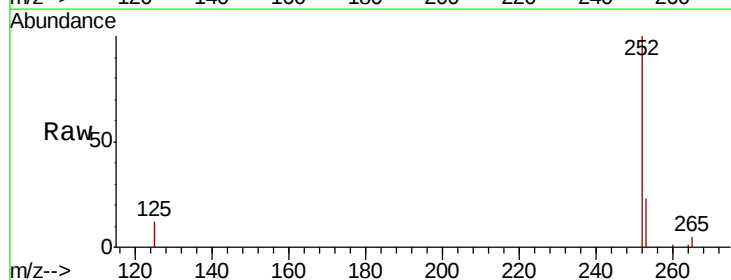
Tgt Ion:252 Resp: 24047

Ion Ratio Lower Upper

252 100

253 23.1 20.4 30.6

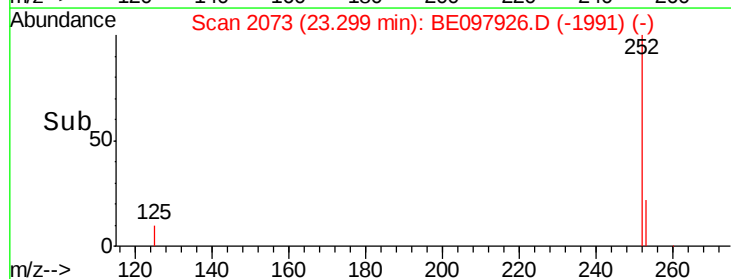
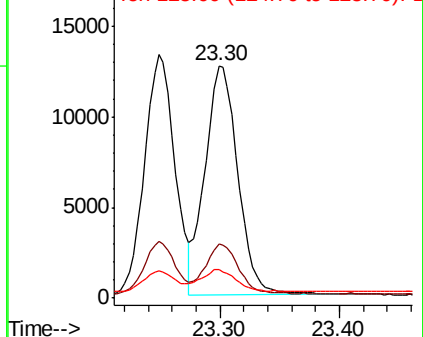
125 12.3 14.6 21.8#

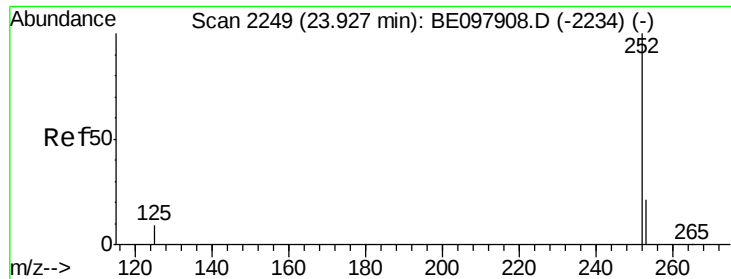


Abundance Ion 252.00 (251.70 to 252.70): E

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 :

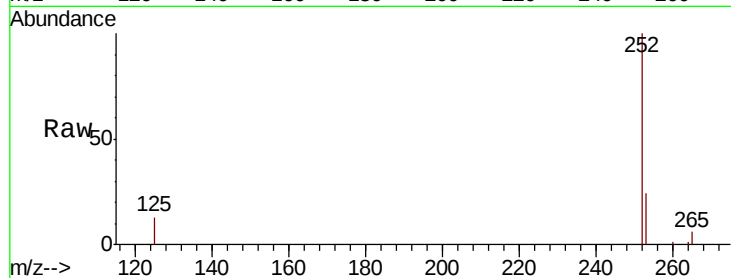
Tot Ion:252 Resp: 20987

Ion Ratio Lower Upper

252 100

253 23.5 20.6 31.0

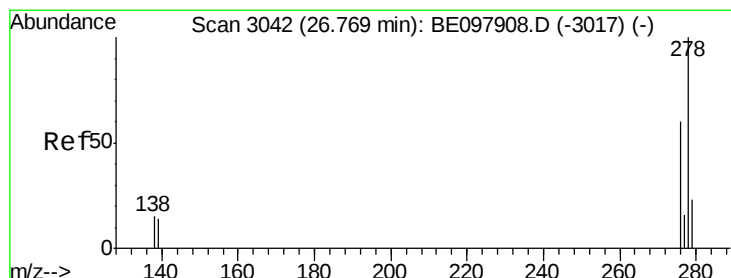
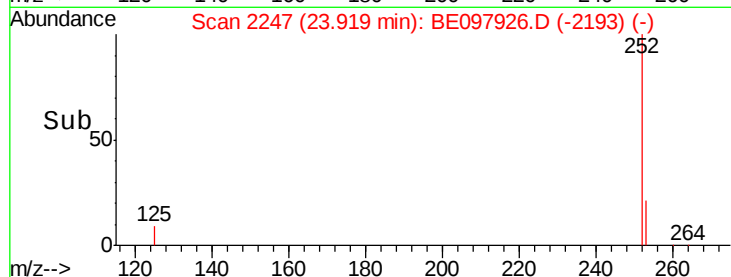
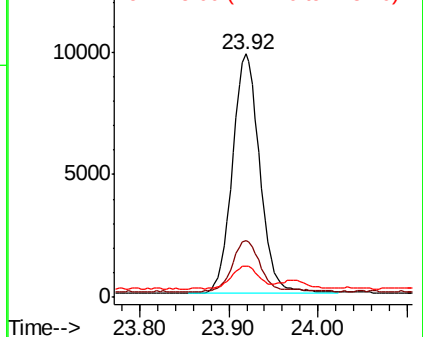
125 12.9 15.6 23.4#



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

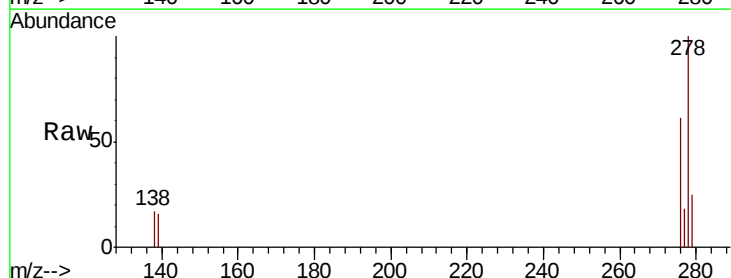
Tgt Ion:278 Resp: 19347

Ion Ratio Lower Upper

278 100

139 16.2 16.3 24.5#

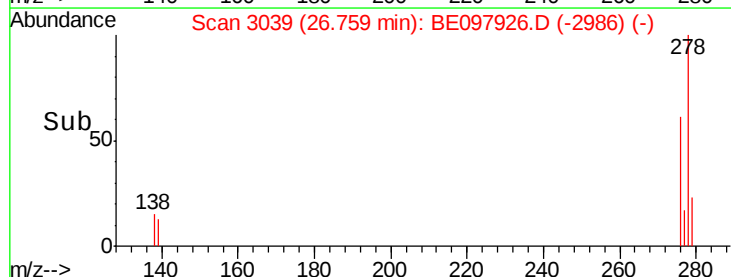
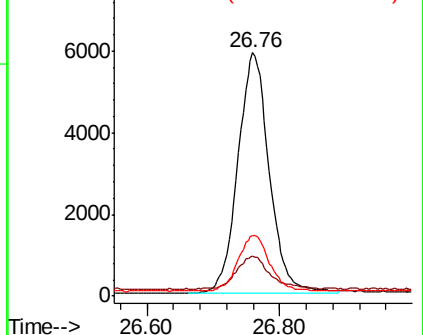
279 25.1 21.4 32.2

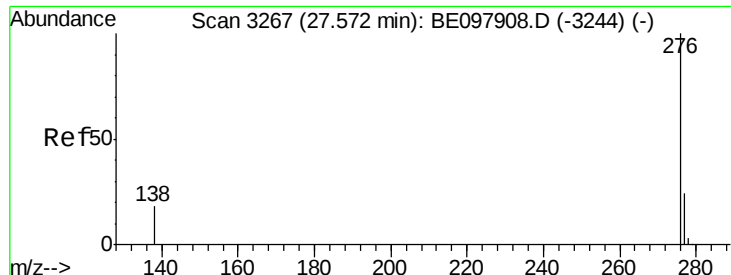


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.330 ng

RT: 27.56 min Scan# 3264

Delta R.T. -0.01 min

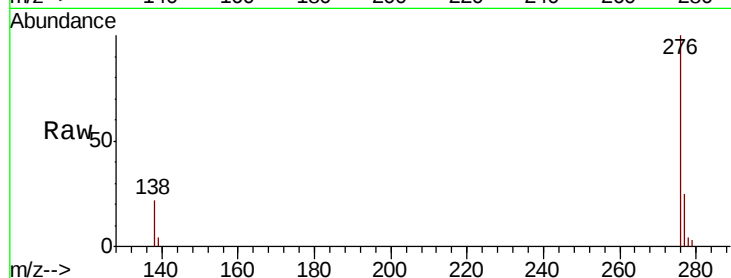
Lab File: BE097926.D

Acq: 17 Oct 2018 1:02

Instrument :

BNA_E

ClientSampleId :



Tot 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

