

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE081018\
 Data File : BE097259.D
 Acq On : 10 Aug 2018 12:51
 Operator : SJ/JU
 Sample : J4379-12MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-103SMS

Quant Time: Aug 10 16:29:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 31 10:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	986	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5082	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3311	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	8544	0.40	ng	0.00
27) Chrysene-d12	20.98	240	9498	0.40	ng	0.00
34) Perylene-d12	23.22	264	9004	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	628	0.23	ng	0.01
5) Phenol-d6	6.60	99	530	0.13	ng	0.00
8) Nitrobenzene-d5	8.52	82	1839	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	3584	0.47	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	736	0.68	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	5112	0.45	ng	0.00
25) Fluoranthene-d10	18.81	212	38048	0.44	ng	0.00
29) Terphenyl-d14	19.43	244	8469	0.46	ng	0.00

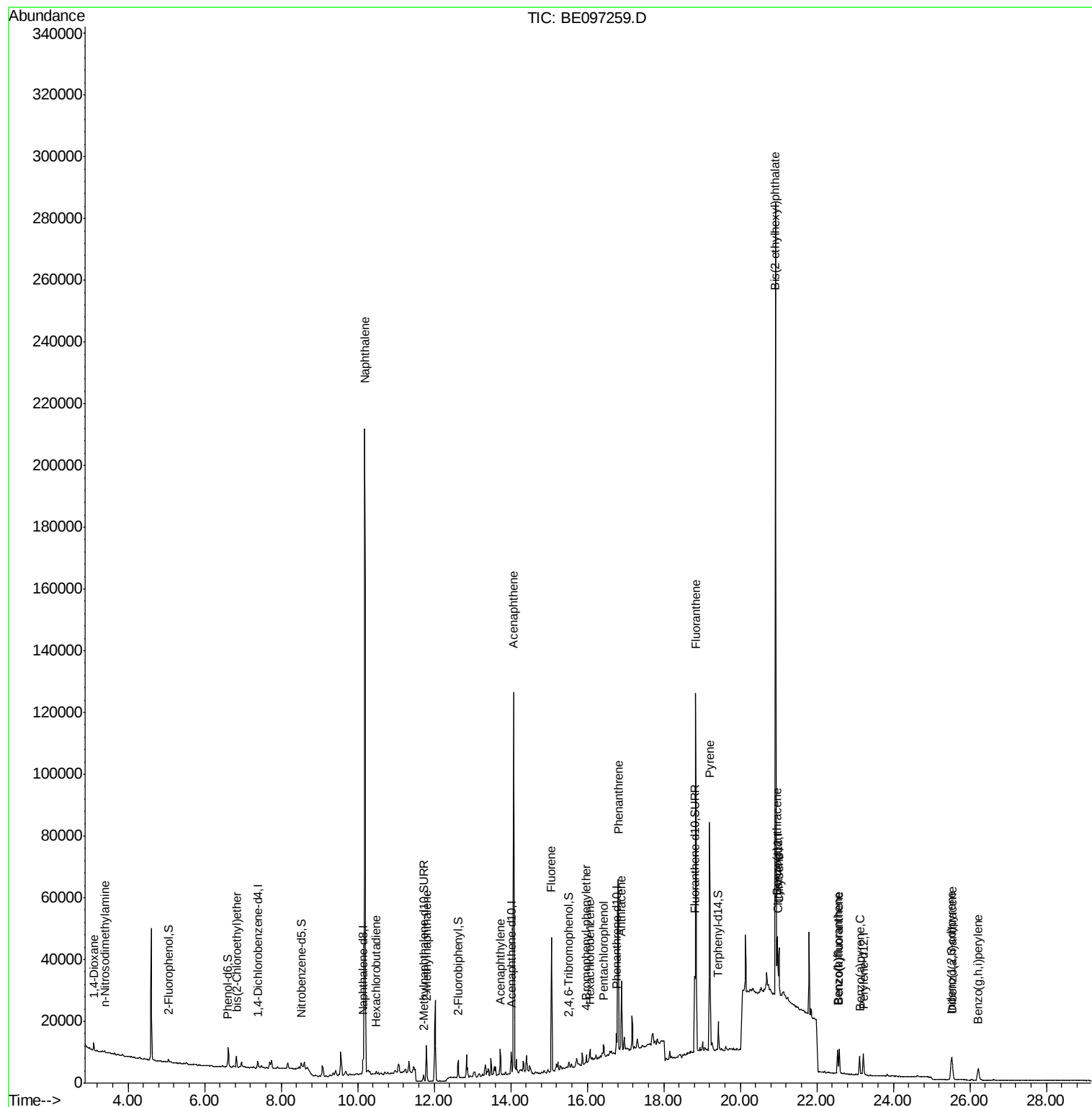
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	1175	0.750	ng	97
3) n-Nitrosodimethylamine	3.38	42	255	0.146	ng	# 73
6) bis(2-Chloroethyl)ether	6.84	93	1397	0.376	ng	86
9) Naphthalene	10.18	128	338127	7.414	ng	99
10) Hexachlorobutadiene	10.48	225	693	0.339	ng	99
12) 2-Methylnaphthalene	11.80	142	8127	1.038	ng	99
16) Acenaphthylene	13.73	152	7234	0.487	ng	# 91
17) Acenaphthene	14.07	154	63260	7.323	ng	96
18) Fluorene	15.06	166	31244	2.737	ng	# 80
20) 4-Bromophenyl-phenylether	15.97	248	1480	0.357	ng	# 63
21) Hexachlorobenzene	16.08	284	1473	0.331	ng	# 76
22) Pentachlorophenol	16.43	266	1953	1.436	ng	# 73
23) Phenanthrene	16.81	178	64369	3.161	ng	97
24) Anthracene	16.89	178	23082	1.267	ng	# 91
26) Fluoranthene	18.84	202	102326	4.478	ng	97
28) Pyrene	19.21	202	70159	2.693	ng	# 92
30) Benzo(a)anthracene	20.95	228	16181	0.685	ng	# 89
31) Chrysene	21.02	228	14729	0.581	ng	# 86
32) Bis(2-ethylhexyl)phthalate	20.92	149	295361	5.866	ng	# 100
33) Indeno(1,2,3-cd)pyrene	25.51	276	10222	0.446	ng	# 93
35) Benzo(b)fluoranthene	22.54	252	9798	0.429	ng	# 90
36) Benzo(k)fluoranthene	22.59	252	9236	0.346	ng	# 73
37) Benzo(a)pyrene	23.12	252	9133	0.425	ng	# 82
38) Dibenzo(a,h)anthracene	25.54	278	8266	0.385	ng	# 90
39) Benzo(g,h,i)perylene	26.22	276	8682	0.381	ng	# 91

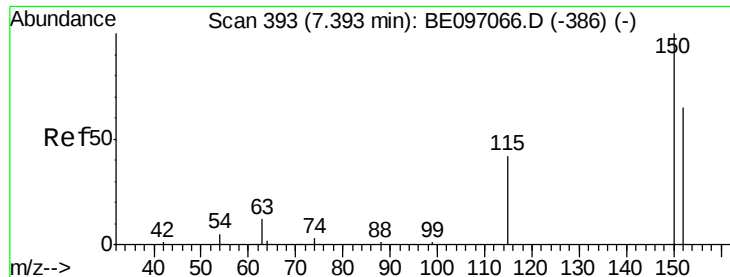
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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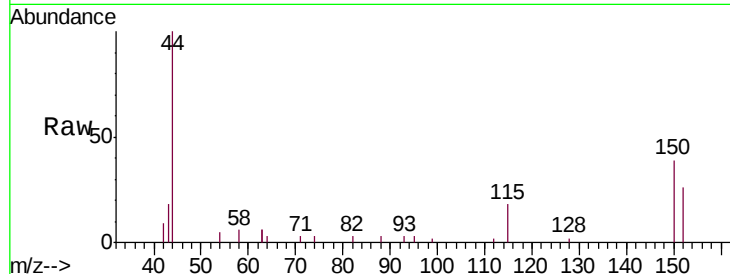


#1

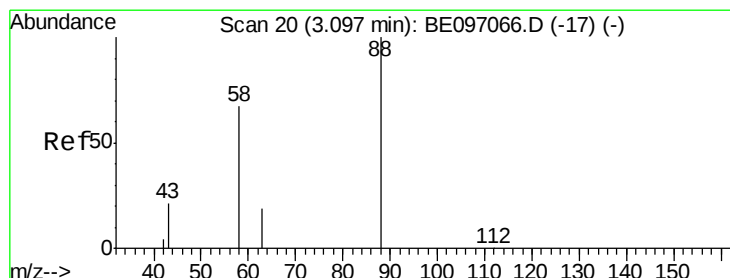
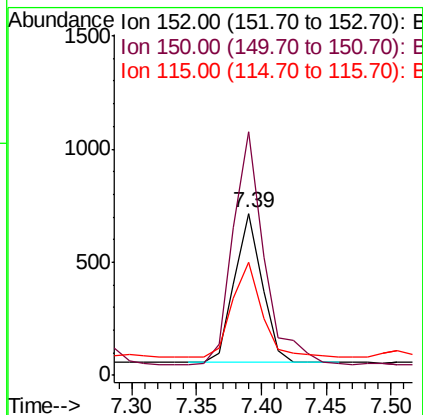
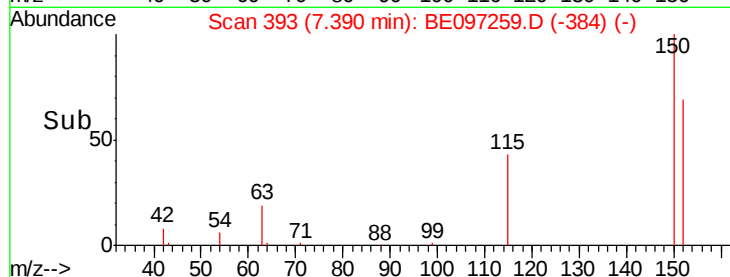
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. 0.00 min
Lab File: BE097259.D
Acq: 10 Aug 2018 12:51

Instrument :
BNA_E
ClientSampleId :
MW-103SMS

Tgt Ion: 152 Resp: 986
Ion Ratio Lower Upper
152 100
150 150.1 117.2 175.8
115 70.0 57.0 85.6



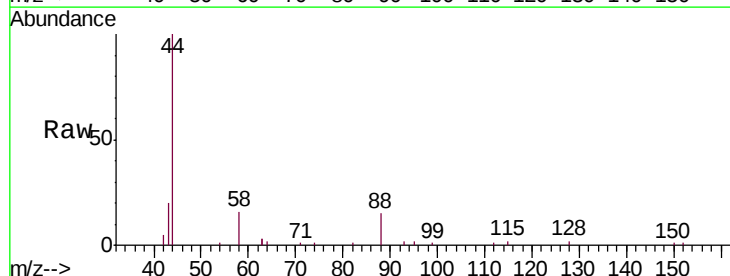
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



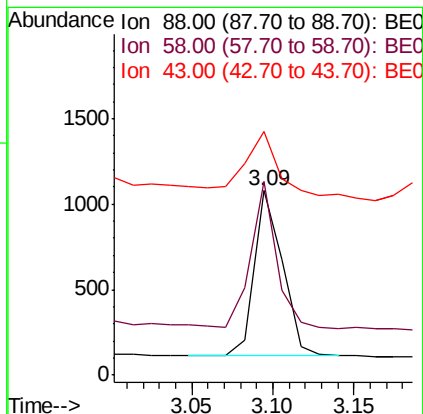
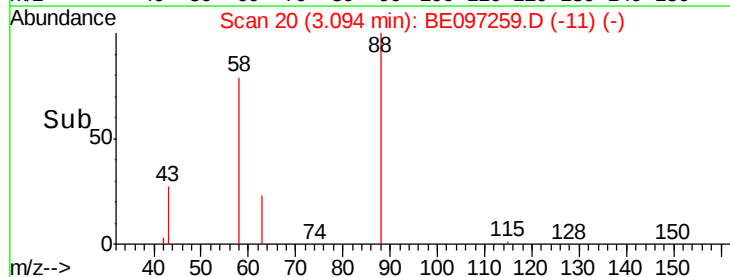
#2

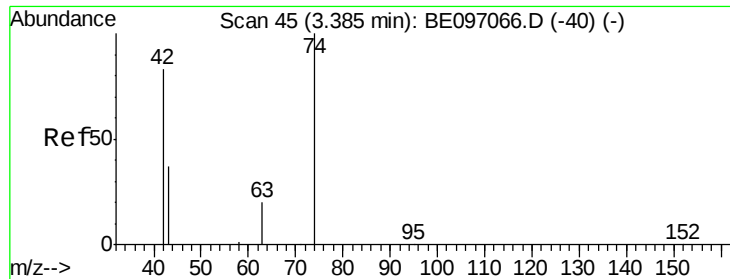
1,4-Dioxane
Concen: 0.750 ng
RT: 3.09 min Scan# 20
Delta R.T. 0.00 min
Lab File: BE097259.D
Acq: 10 Aug 2018 12:51

Tgt Ion: 88 Resp: 1175
Ion Ratio Lower Upper
88 100
58 81.7 63.2 94.8
43 49.0 41.2 61.8



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.146 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE097259.D

Acq: 10 Aug 2018 12:51

Instrument :

BNA_E

ClientSampleId :

MW-103SMS

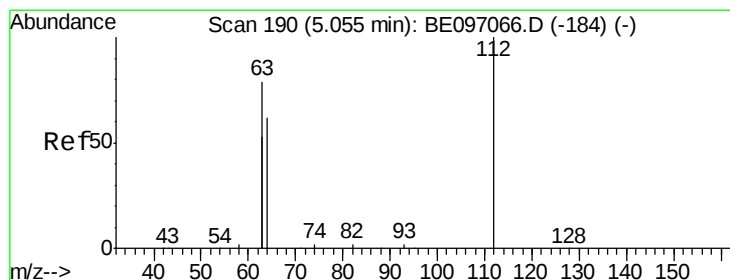
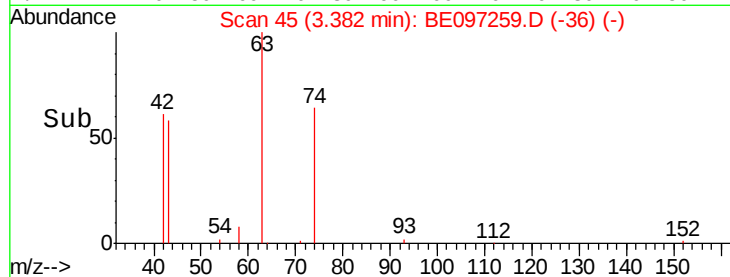
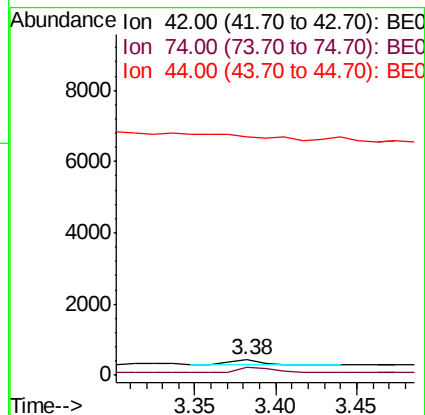
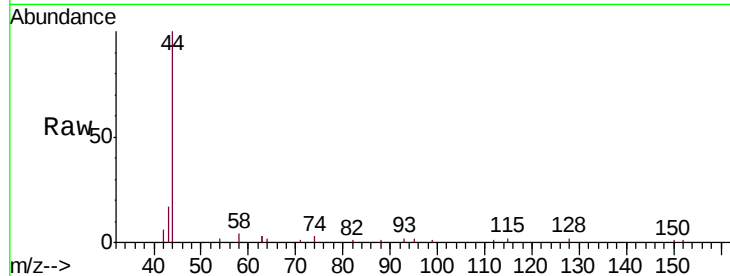
Tgt Ion: 42 Resp: 255

Ion Ratio Lower Upper

42 100

74 91.8 96.0 144.0#

44 0.0 12.0 18.0#



#4

2-Fluorophenol

Concen: 0.227 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097259.D

Acq: 10 Aug 2018 12:51

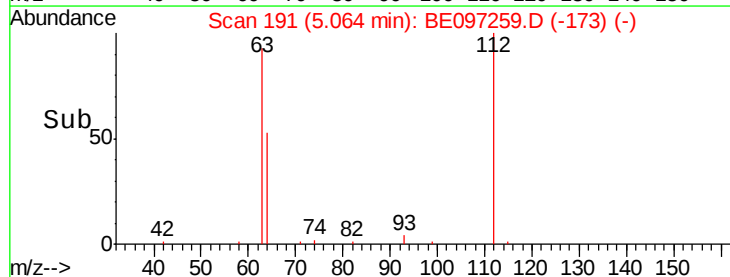
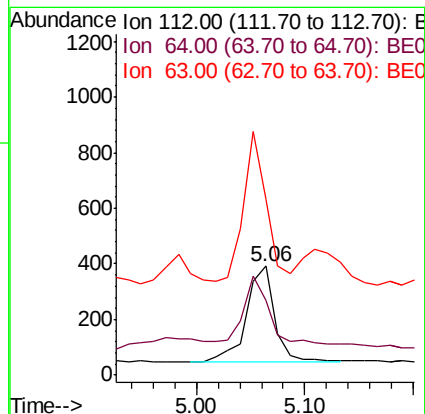
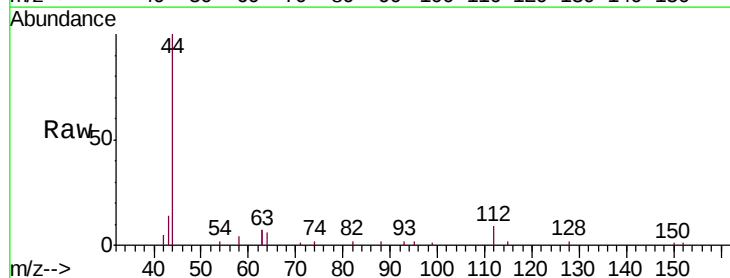
Tgt Ion: 112 Resp: 628

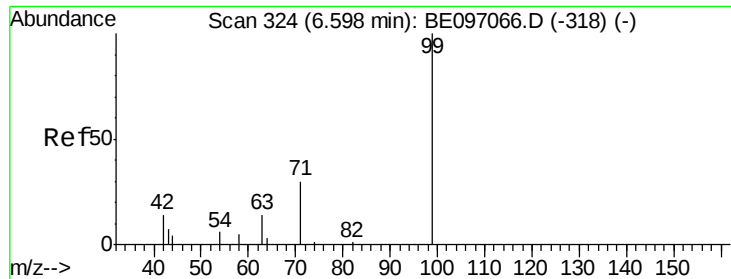
Ion Ratio Lower Upper

112 100

64 89.2 60.1 90.1

63 130.3 116.8 175.2





#5

Phenol-d6

Concen: 0.130 ng

RT: 6.60 min Scan# 324

Delta R.T. 0.00 min

Lab File: BE097259.D

Acq: 10 Aug 2018 12:51

Instrument :

BNA_E

ClientSampleId :

MW-103SMS

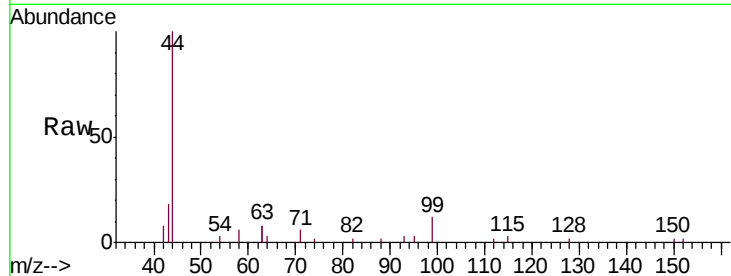
Tgt Ion: 99 Resp: 530

Ion Ratio Lower Upper

99 100

42 0.0 20.2 30.2#

71 58.1 28.4 42.6#



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

6.60

400

300

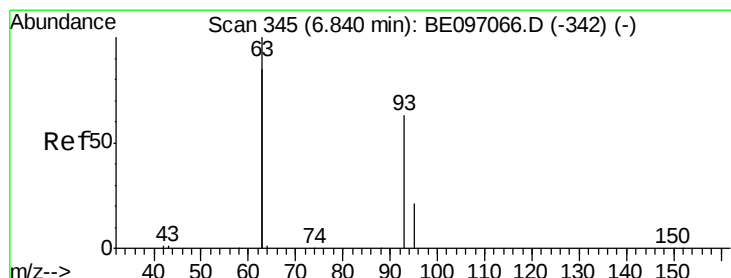
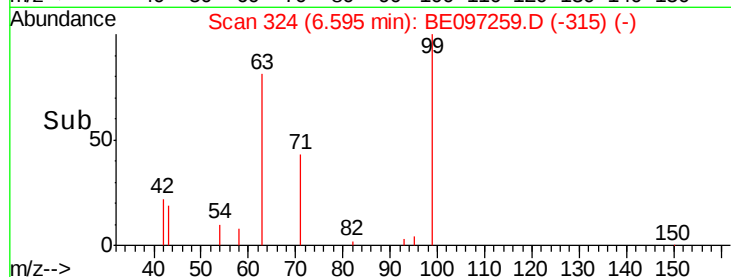
200

100

0

6.50 6.55 6.60 6.65

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.376 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE097259.D

Acq: 10 Aug 2018 12:51

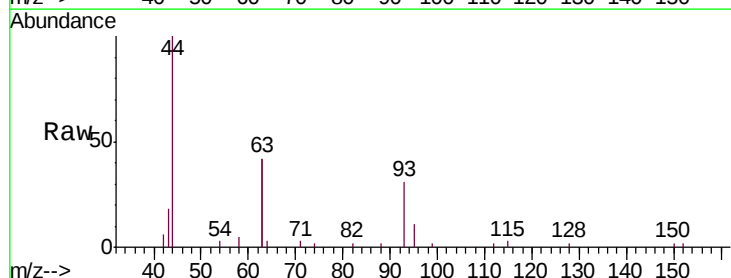
Tgt Ion: 93 Resp: 1397

Ion Ratio Lower Upper

93 100

63 310.7 275.3 412.9

95 30.2 25.2 37.8



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0

4000

3000

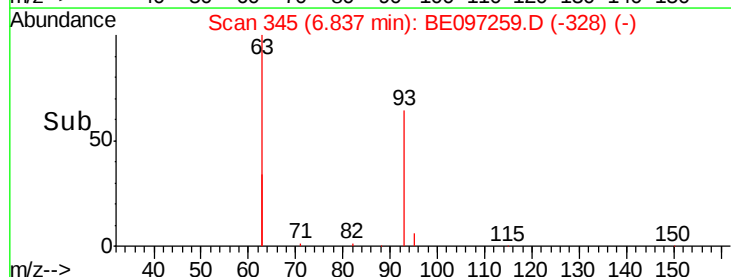
2000

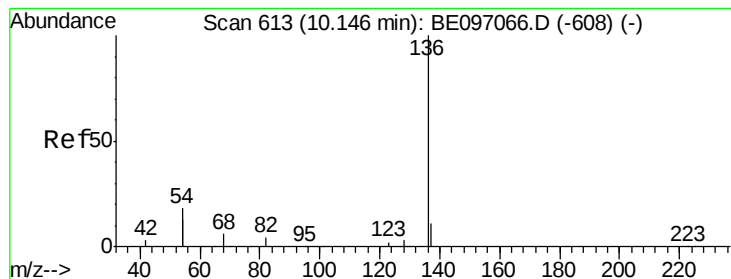
1000

0

6.80 6.84 6.90

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE097259.D

Acq: 10 Aug 2018 12:51

Instrument :

BNA_E

ClientSampleId :

MW-103SMS

Tgt Ion: 136 Resp: 5082

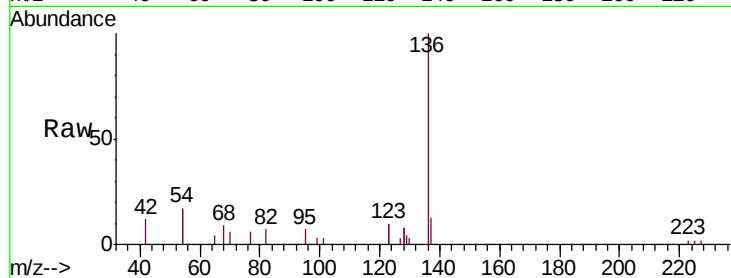
Ion Ratio Lower Upper

136 100

137 12.8 9.5 14.3

54 34.3 29.1 43.7

68 8.7 6.2 9.2

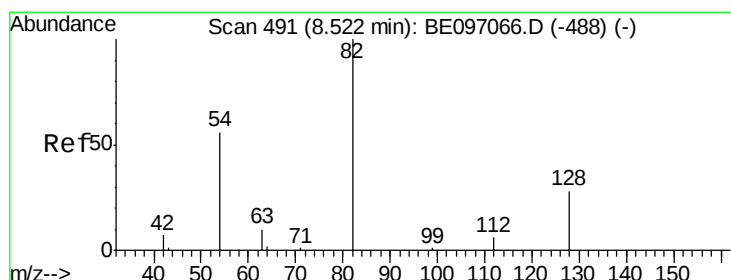
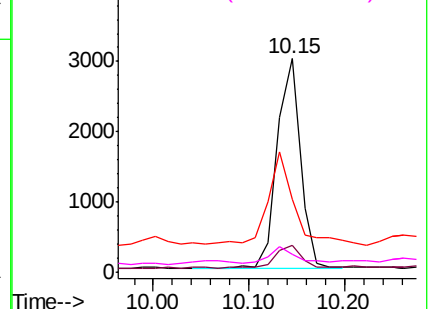
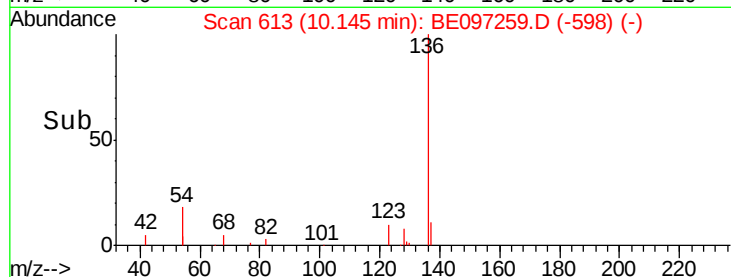


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.417 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE097259.D

Acq: 10 Aug 2018 12:51

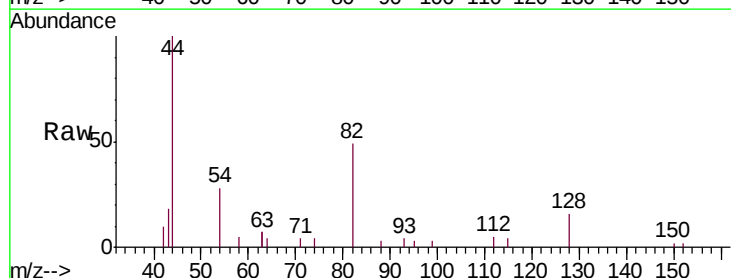
Tgt Ion: 82 Resp: 1839

Ion Ratio Lower Upper

82 100

128 32.0 24.0 36.0

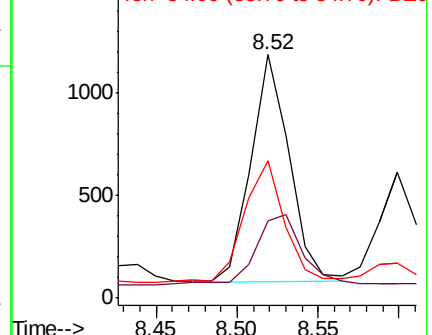
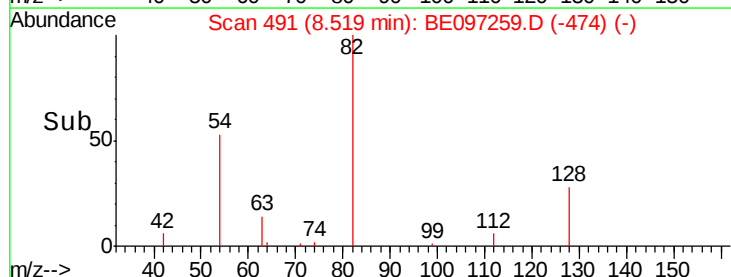
54 56.6 40.0 60.0

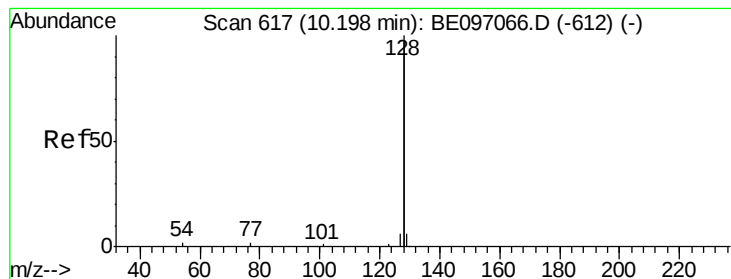


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 7.414 ng

RT: 10.18 min Scan# 616

Delta R.T. -0.01 min

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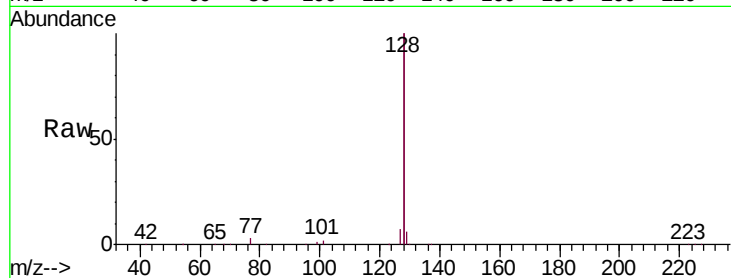
Tgt Ion:128 Resp: 338127

Ion Ratio Lower Upper

128 100

129 2.8 2.6 3.8

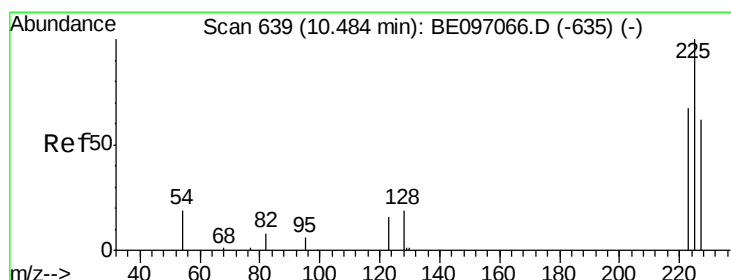
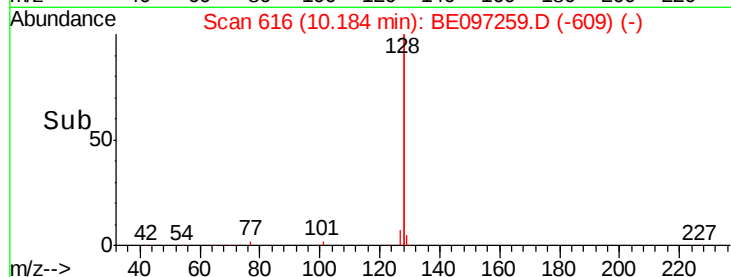
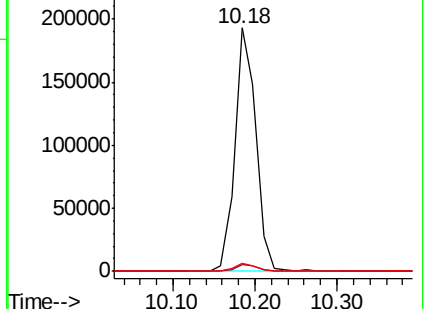
127 3.3 2.8 4.2



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: 0.339 ng

RT: 10.48 min Scan# 639

Delta R.T. -0.00 min

Lab File: BE097259.D

Acq: 10 Aug 2018 12:51

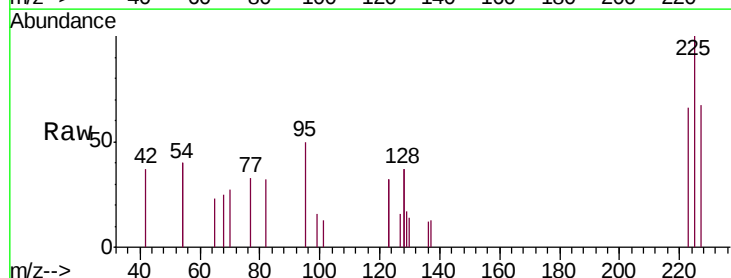
Tgt Ion:225 Resp: 693

Ion Ratio Lower Upper

225 100

223 65.5 53.0 79.6

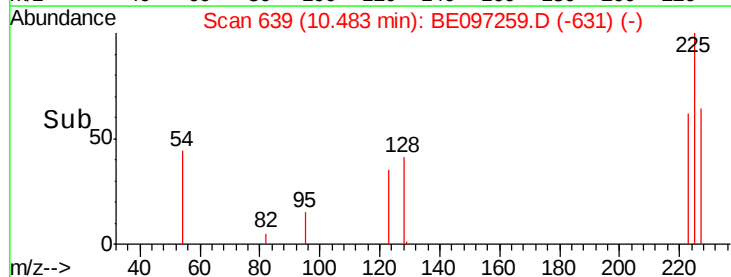
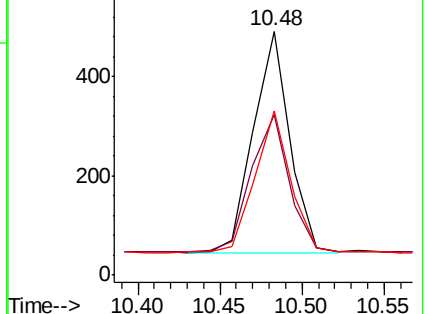
227 63.2 51.4 77.2

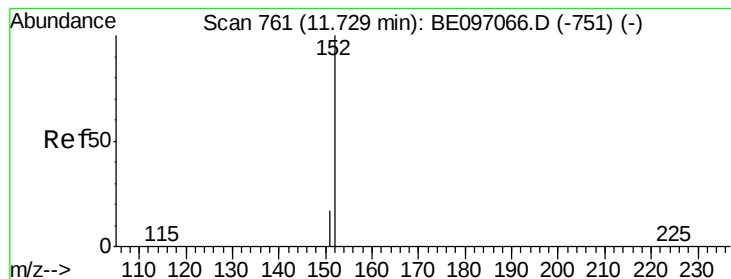


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.471 ng

RT: 11.72 min Scan# 760

Delta R.T. -0.00 min

Lab File: BE097259.D

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ClientSampleId :

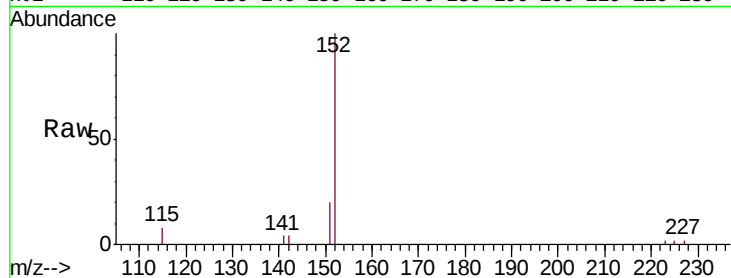
MW-103SMS

Tgt Ion:152 Resp: 3584

Ion Ratio Lower Upper

152 100

151 17.1 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

2000

1500

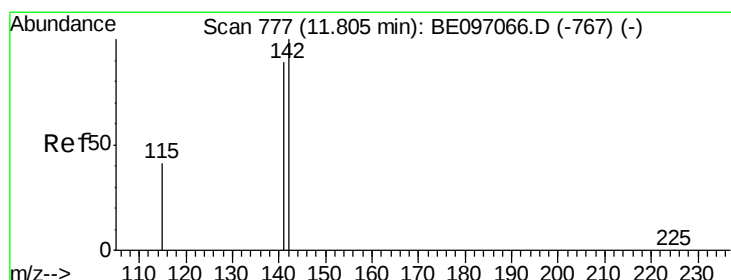
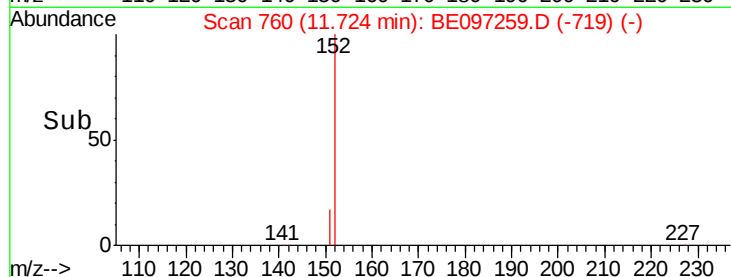
1000

500

0

11.60 11.70 11.80

Time-->



#12

2-Methylnaphthalene

Concen: 1.038 ng

RT: 11.80 min Scan# 776

Delta R.T. -0.00 min

Lab File: BE097259.D

Acq: 10 Aug 2018 12:51

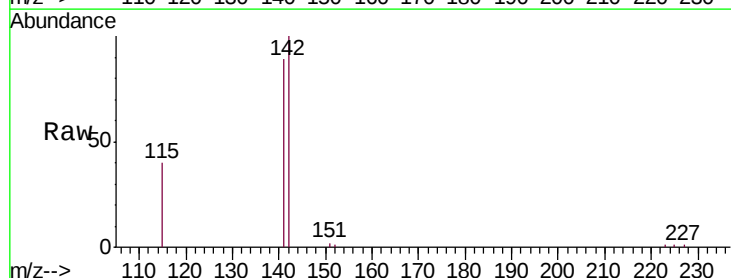
Tgt Ion:142 Resp: 8127

Ion Ratio Lower Upper

142 100

141 88.5 70.4 105.6

115 39.9 31.7 47.5



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

6000

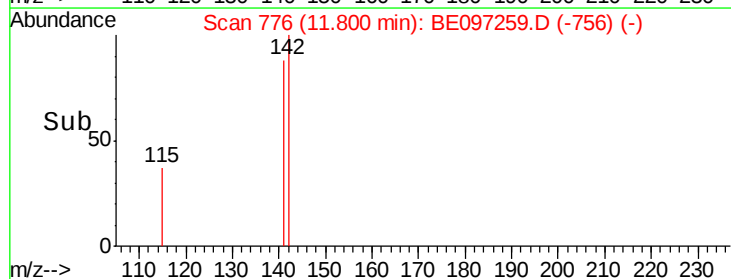
4000

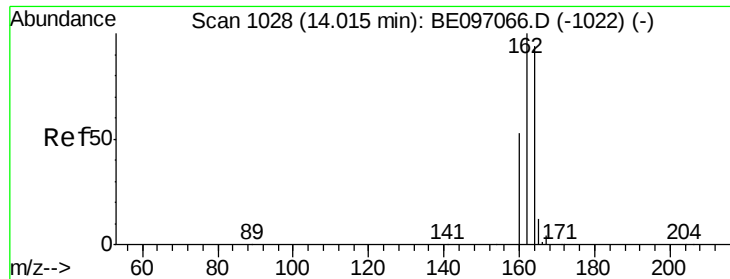
2000

0

11.70 11.80 11.90

Time-->

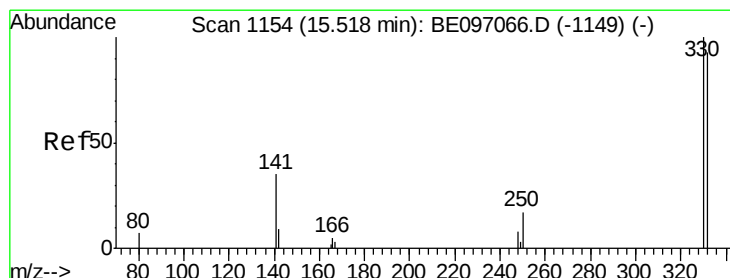
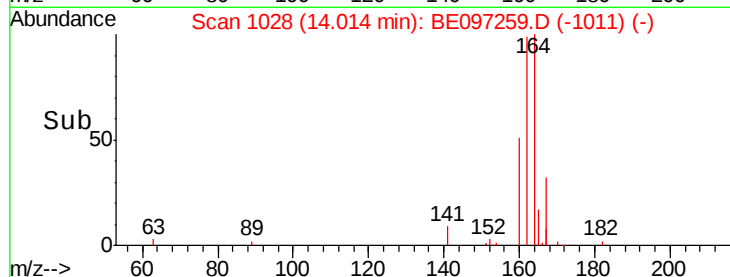
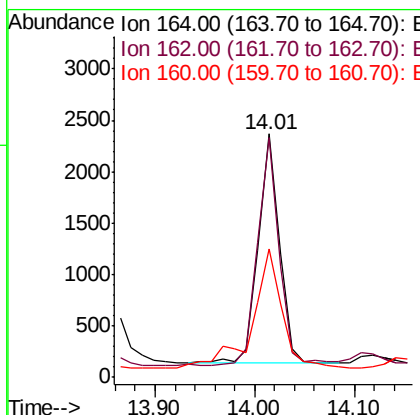
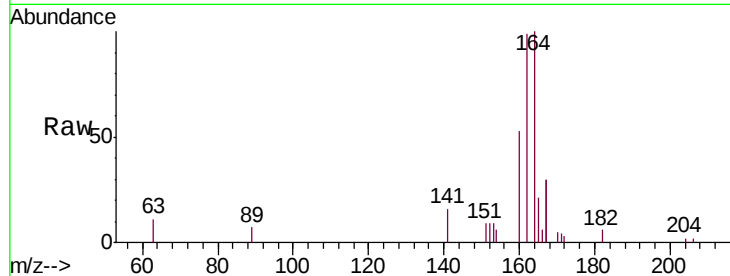




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.01 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BE097259.D
 Acq: 10 Aug 2018 12:51

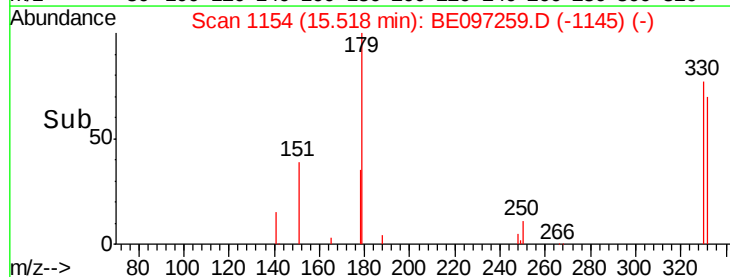
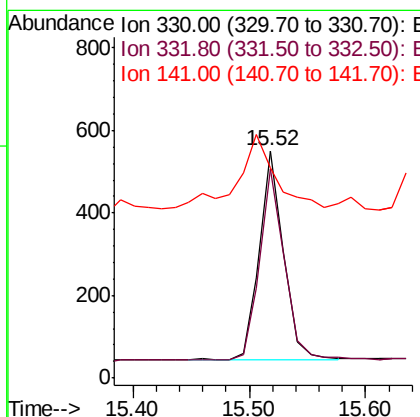
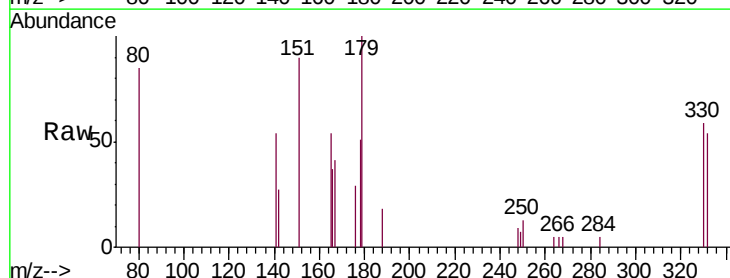
Instrument :
 BNA_E
 ClientSampleId :
 MW-103SMS

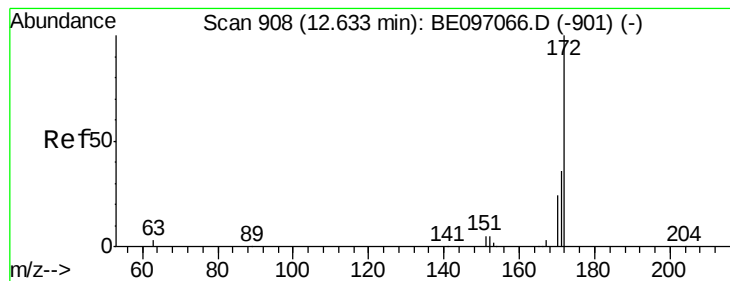
Tgt Ion:164 Resp: 3311
 Ion Ratio Lower Upper
 164 100
 162 98.6 83.1 124.7
 160 52.8 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.675 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: BE097259.D
 Acq: 10 Aug 2018 12:51

Tgt Ion:330 Resp: 736
 Ion Ratio Lower Upper
 330 100
 332 93.3 152.7 229.1#
 141 51.4 33.7 50.5#





#15

2-Fluorobiphenyl

Concen: 0.447 ng

RT: 12.63 min Scan# 908

Delta R.T. 0.00 min

Lab File: BE097259.D

Acq: 10 Aug 2018 12:51

Instrument :

BNA_E

ClientSampleId :

MW-103SMS

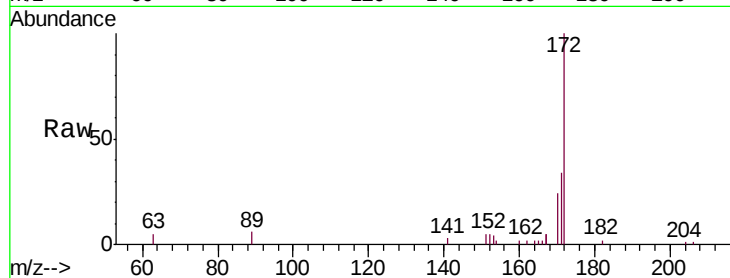
Tgt Ion:172 Resp: 5112

Ion Ratio Lower Upper

172 100

171 34.1 29.9 44.9

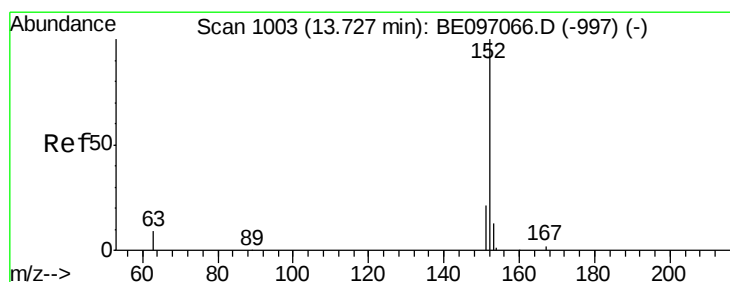
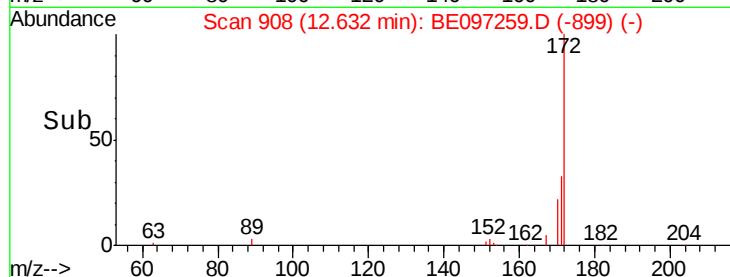
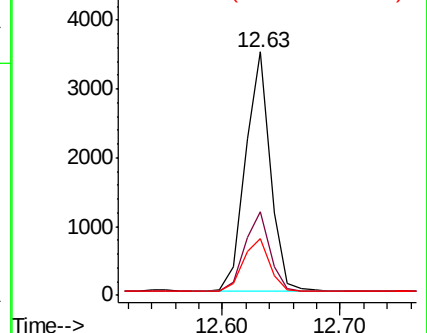
170 23.6 21.8 32.8



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: 0.487 ng

RT: 13.73 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BE097259.D

Acq: 10 Aug 2018 12:51

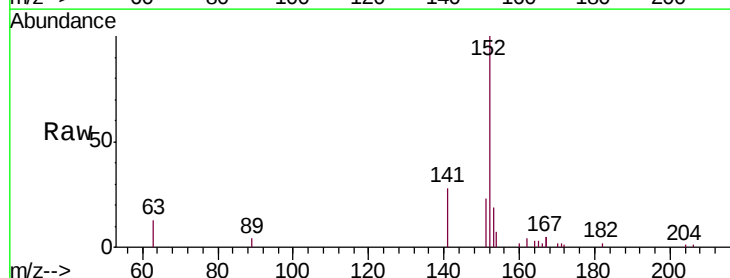
Tgt Ion:152 Resp: 7234

Ion Ratio Lower Upper

152 100

151 21.7 15.7 23.5

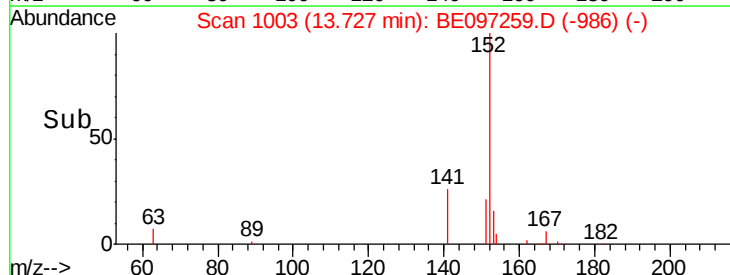
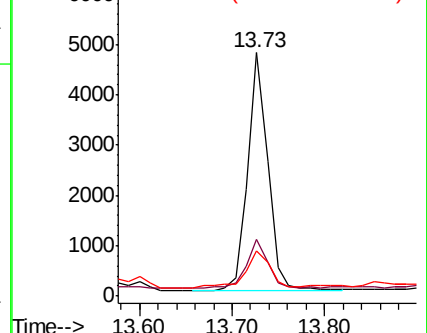
153 19.6 10.5 15.7#

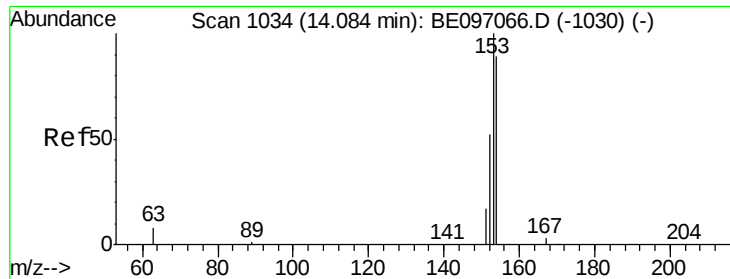


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

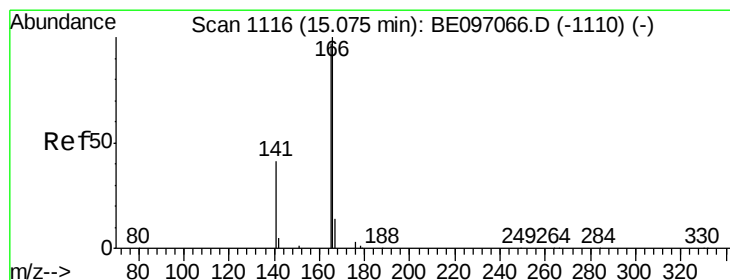
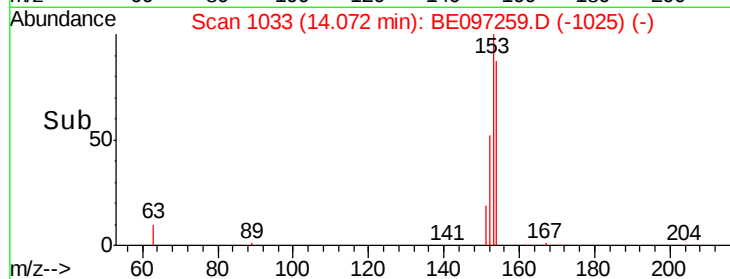
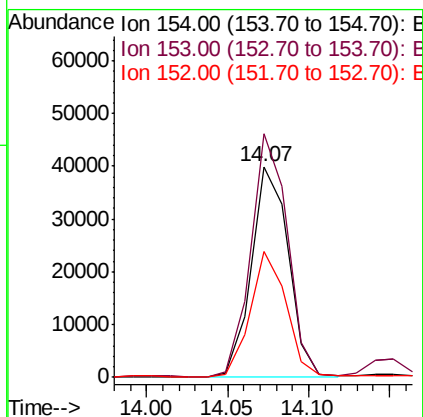
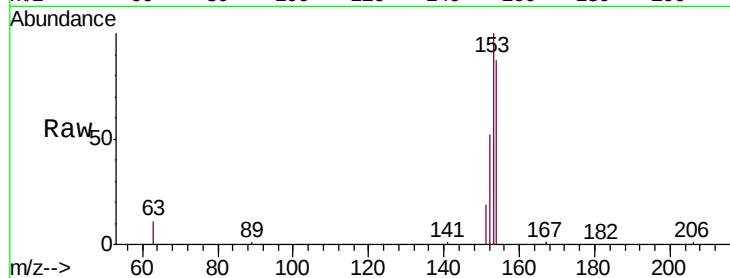




#17
Acenaphthene
Concen: 7.323 ng
RT: 14.07 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BE097259.D
Acq: 10 Aug 2018 12:51

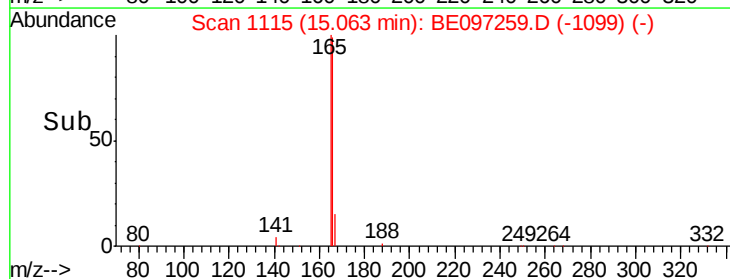
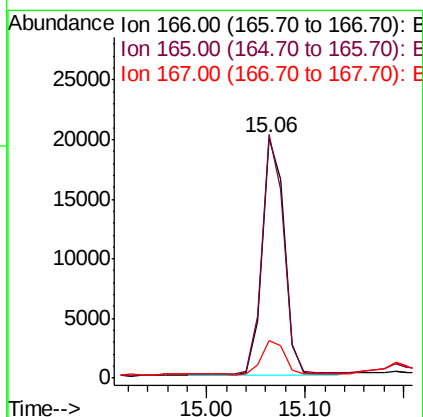
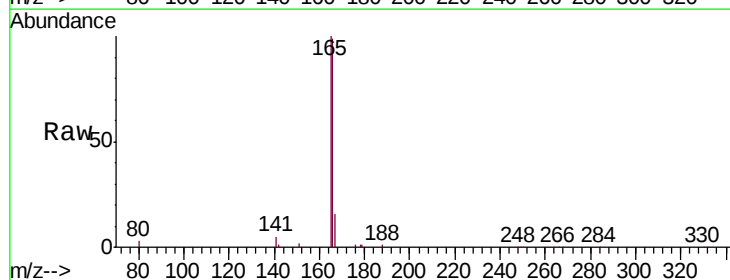
Instrument :
BNA_E
ClientSampleId :
MW-103SMS

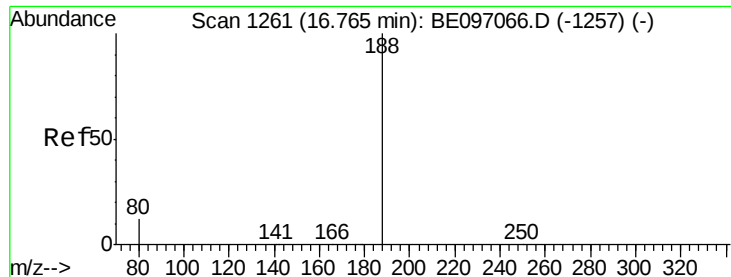
Tgt Ion:154 Resp: 63260
Ion Ratio Lower Upper
154 100
153 113.8 89.2 133.8
152 57.2 42.0 63.0



#18
Fluorene
Concen: 2.737 ng
RT: 15.06 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BE097259.D
Acq: 10 Aug 2018 12:51

Tgt Ion:166 Resp: 31244
Ion Ratio Lower Upper
166 100
165 99.3 77.8 116.6
167 15.0 42.4 63.6#

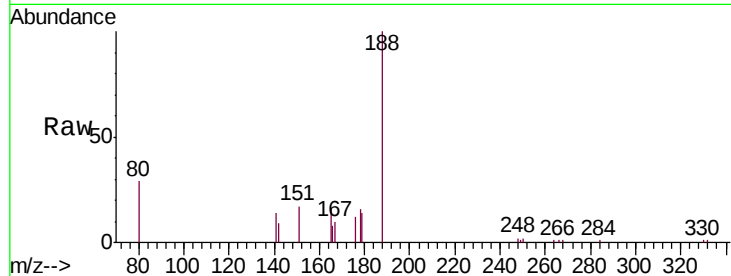




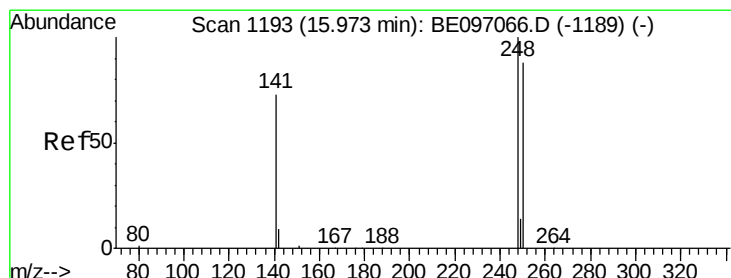
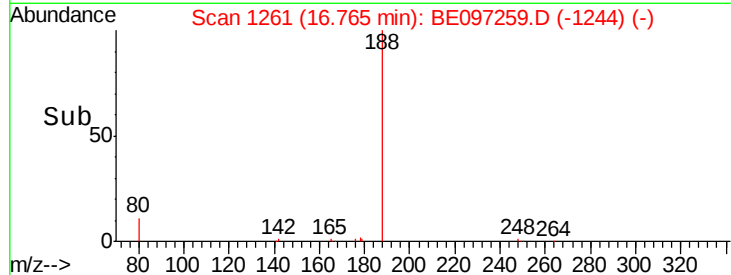
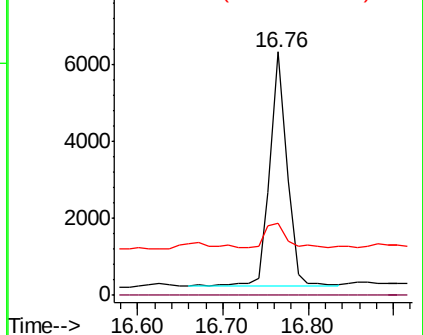
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.76 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BE097259.D
Acq: 10 Aug 2018 12:51

Instrument :
BNA_E
ClientSampleId :
MW-103SMS

Tgt Ion:188 Resp: 8544
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 29.4 3.6 5.4#

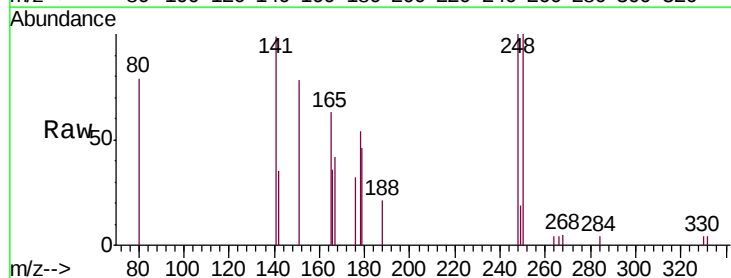


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

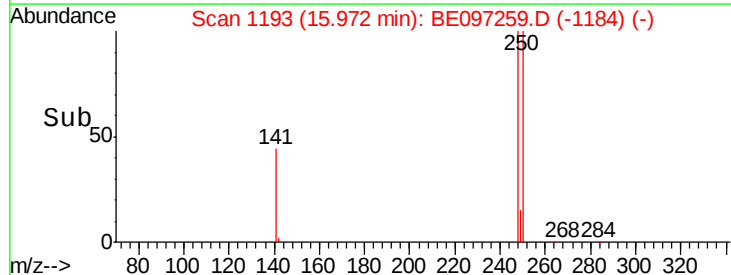
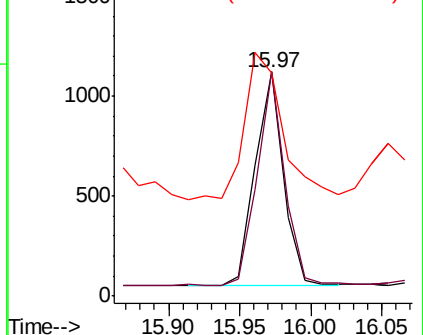


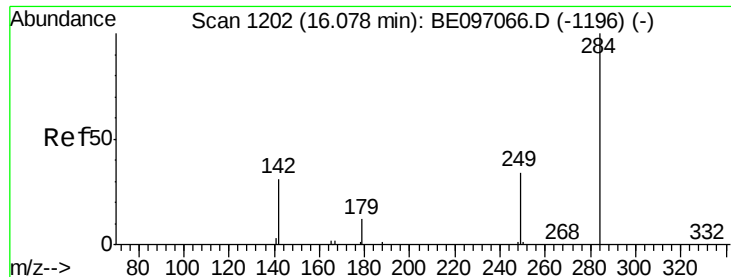
#20
4-Bromophenyl-phenylether
Concen: 0.357 ng
RT: 15.97 min Scan# 1193
Delta R.T. -0.00 min
Lab File: BE097259.D
Acq: 10 Aug 2018 12:51

Tgt Ion:248 Resp: 1480
Ion Ratio Lower Upper
248 100
250 100.4 62.7 94.1#
141 99.5 48.2 72.2#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.331 ng

RT: 16.08 min Scan# 1202

Delta R.T. -0.00 min

Lab File: BE097259.D

Acq: 10 Aug 2018 12:51

Instrument :

BNA_E

ClientSampleId :

MW-103SMS

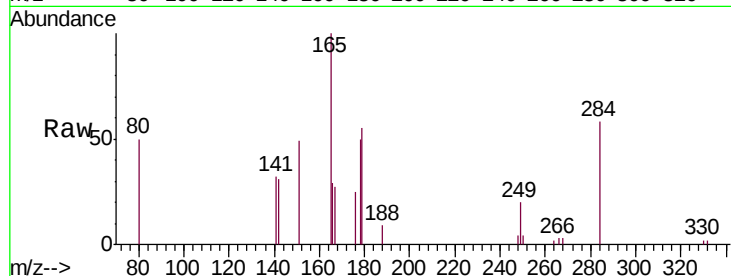
Tgt Ion:284 Resp: 1473

Ion Ratio Lower Upper

284 100

142 44.7 22.1 33.1#

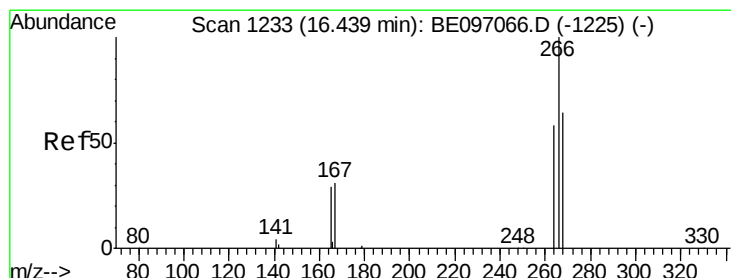
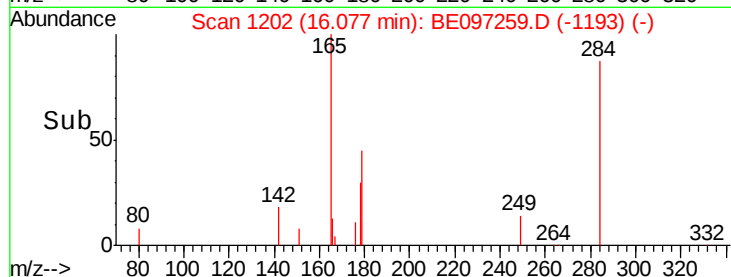
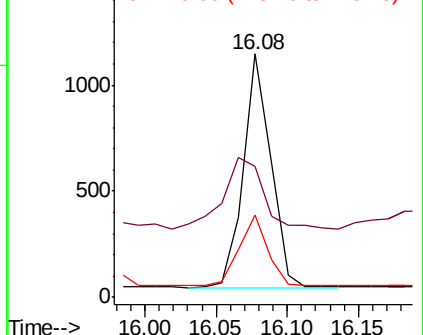
249 31.5 34.8 52.2#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 1.436 ng

RT: 16.43 min Scan# 1232

Delta R.T. -0.00 min

Lab File: BE097259.D

Acq: 10 Aug 2018 12:51

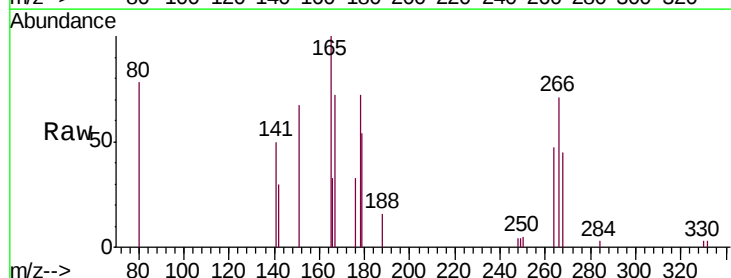
Tgt Ion:266 Resp: 1953

Ion Ratio Lower Upper

266 100

264 67.1 72.5 108.7#

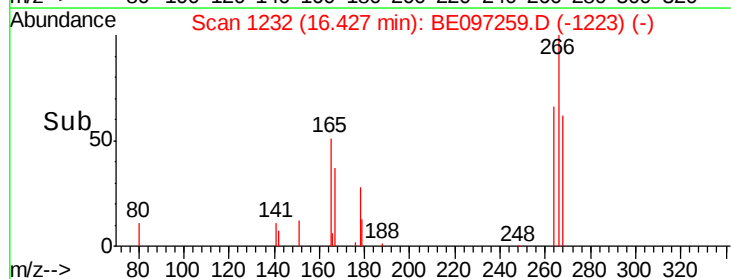
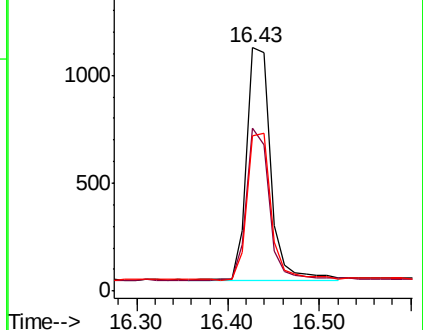
268 63.6 73.8 110.6#

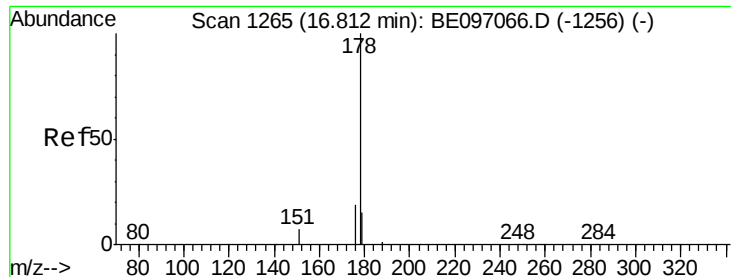


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

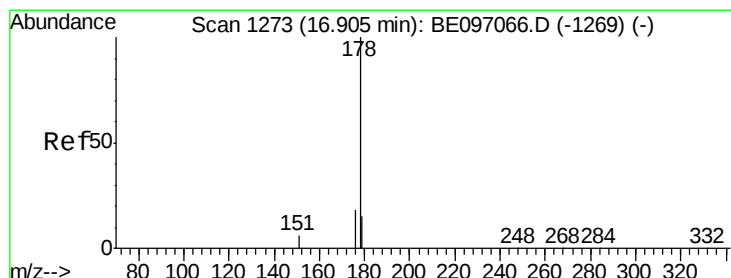
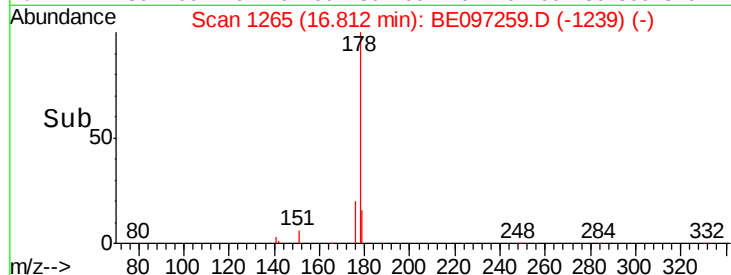
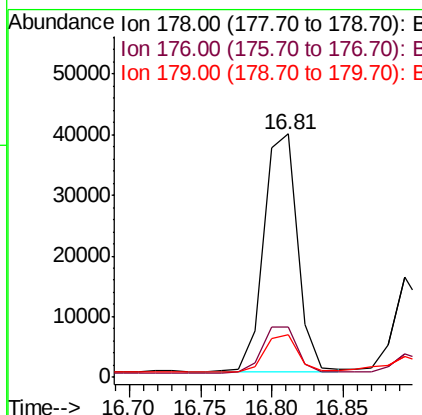
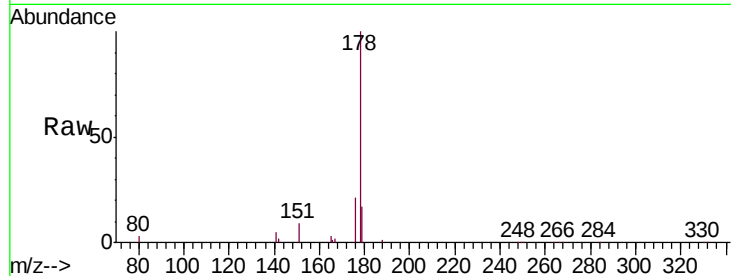




#23
Phenanthrene
Concen: 3.161 ng
RT: 16.81 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BE097259.D
Acq: 10 Aug 2018 12:51

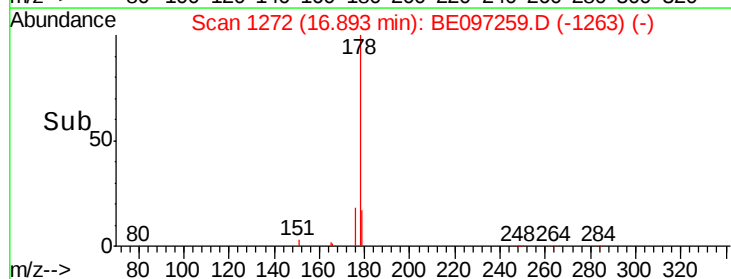
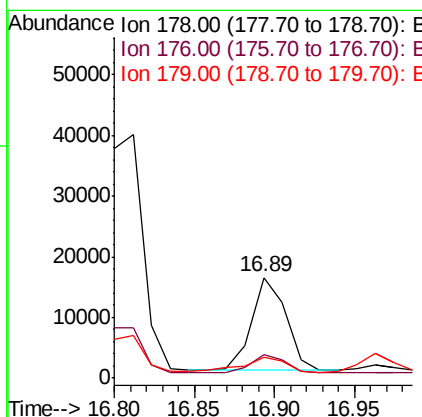
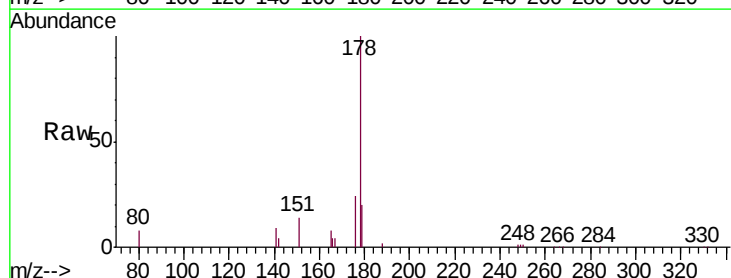
Instrument :
BNA_E
ClientSampleId :
MW-103SMS

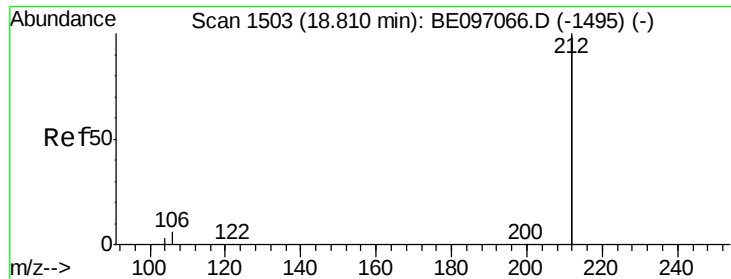
Tgt Ion:178 Resp: 64369
Ion Ratio Lower Upper
178 100
176 20.0 15.1 22.7
179 16.1 11.8 17.6



#24
Anthracene
Concen: 1.267 ng
RT: 16.89 min Scan# 1272
Delta R.T. -0.00 min
Lab File: BE097259.D
Acq: 10 Aug 2018 12:51

Tgt Ion:178 Resp: 23082
Ion Ratio Lower Upper
178 100
176 20.3 12.8 19.2#
179 19.7 13.0 19.6#





#25

Fluoranthene-d10

Concen: 0.445 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE097259.D

Acq: 10 Aug 2018 12:51

Instrument :

BNA_E

ClientSampleId :

MW-103SMS

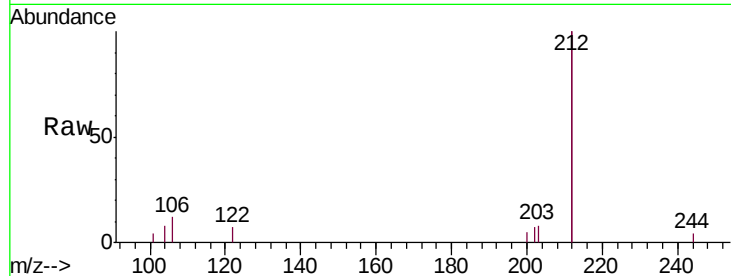
Tgt Ion:212 Resp: 38048

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

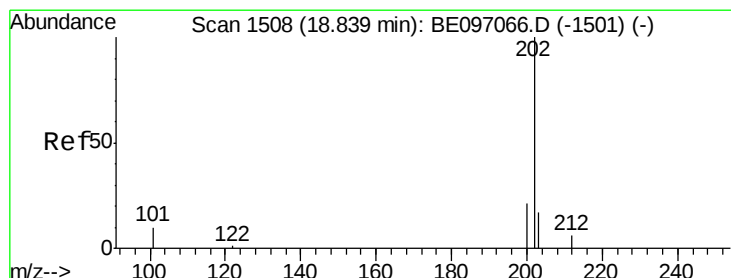
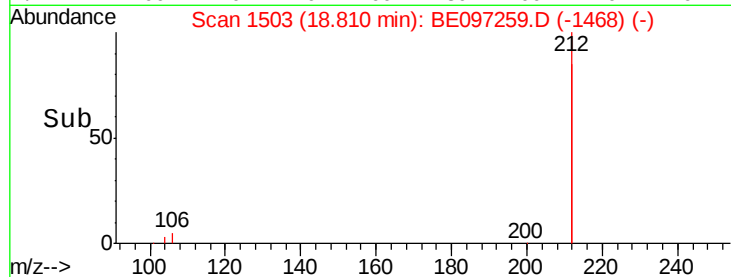
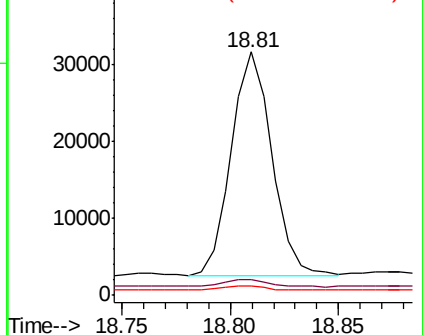
104 2.2 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 4.478 ng

RT: 18.84 min Scan# 1508

Delta R.T. 0.00 min

Lab File: BE097259.D

Acq: 10 Aug 2018 12:51

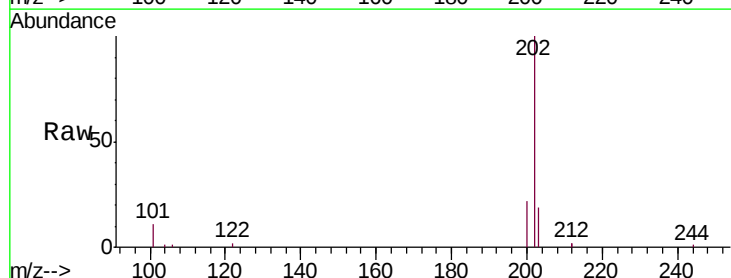
Tgt Ion:202 Resp: 102326

Ion Ratio Lower Upper

202 100

101 10.6 9.8 14.8

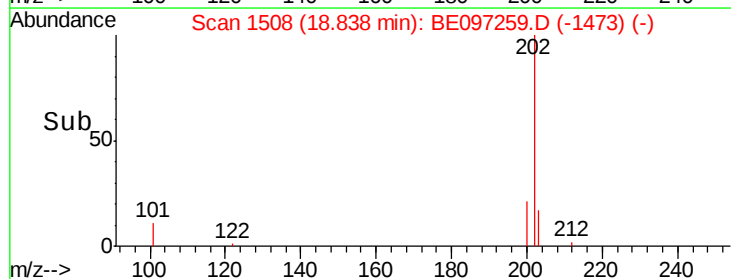
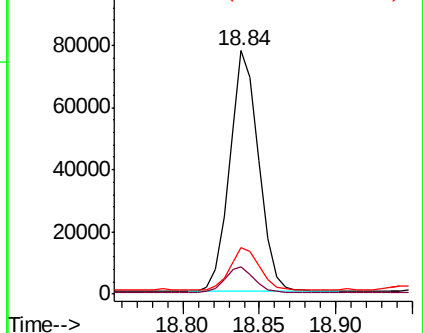
203 17.6 13.7 20.5

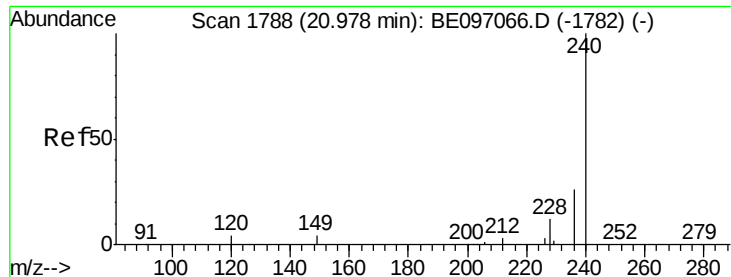


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

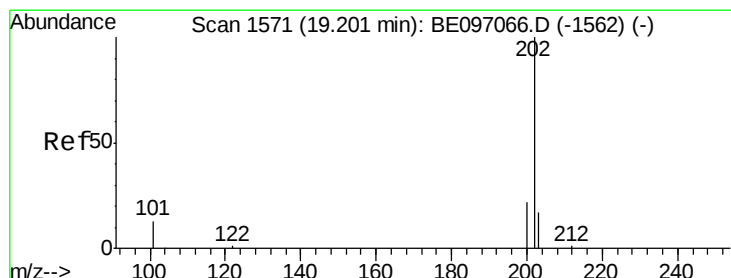
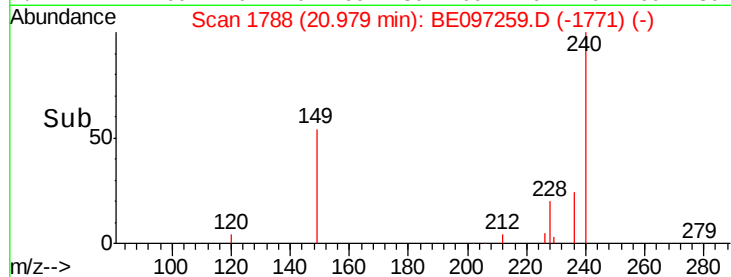
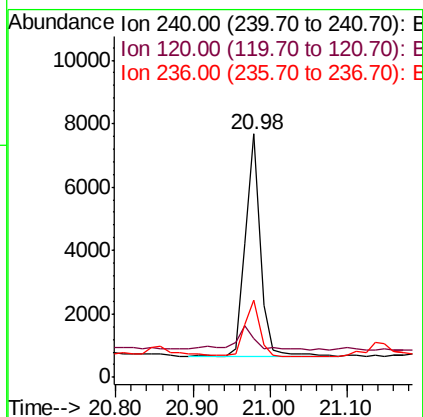
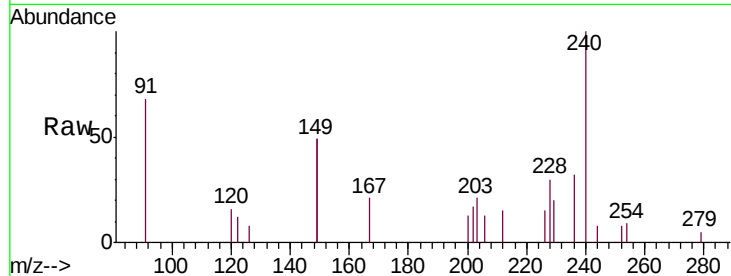




#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1788
Delta R.T. 0.00 min
Lab File: BE097259.D
Acq: 10 Aug 2018 12:51

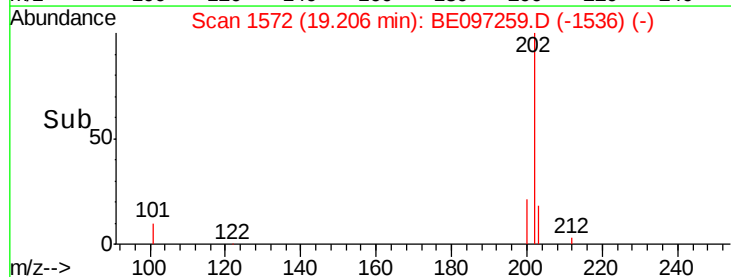
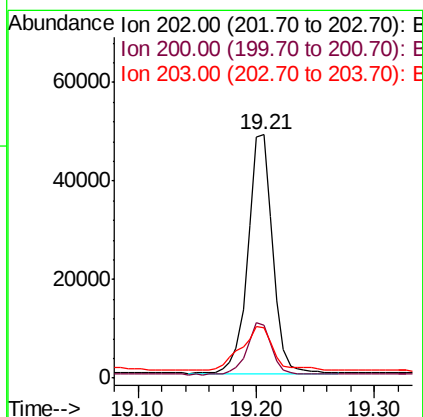
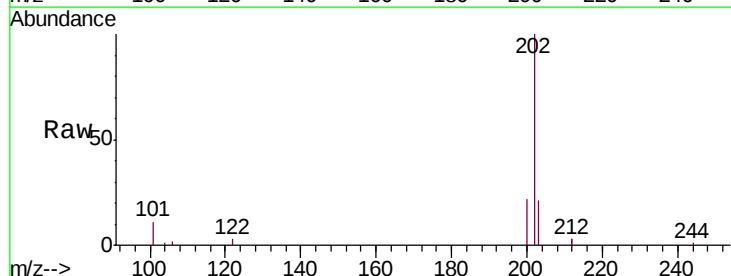
Instrument :
BNA_E
ClientSampleId :
MW-103SMS

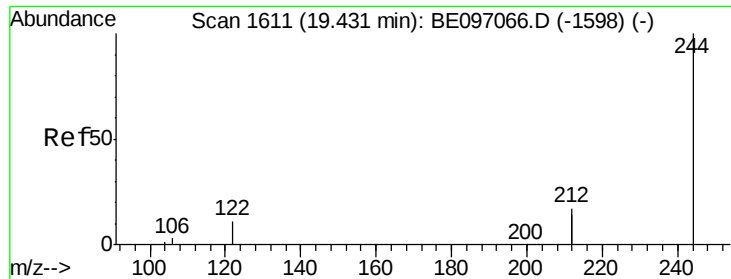
Tgt Ion:240 Resp: 9498
Ion Ratio Lower Upper
240 100
120 15.9 5.5 8.3#
236 31.6 20.7 31.1#



#28
Pyrene
Concen: 2.693 ng
RT: 19.21 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BE097259.D
Acq: 10 Aug 2018 12:51

Tgt Ion:202 Resp: 70159
Ion Ratio Lower Upper
202 100
200 21.7 16.6 25.0
203 24.1 13.8 20.8#

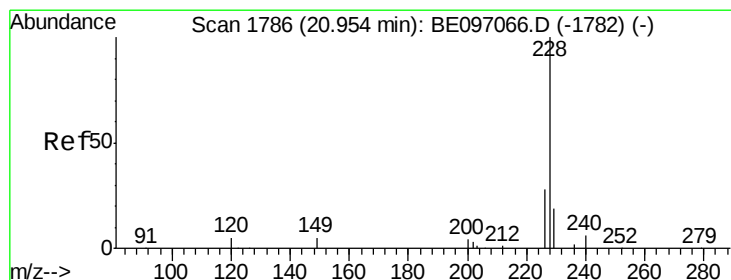
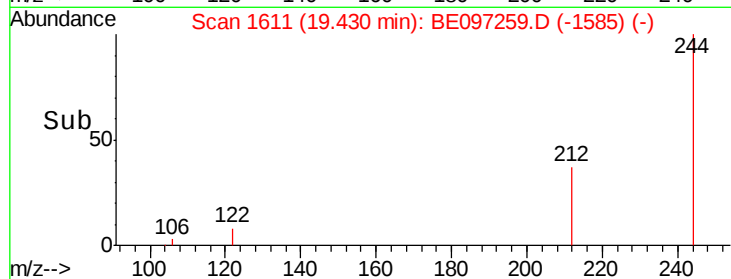
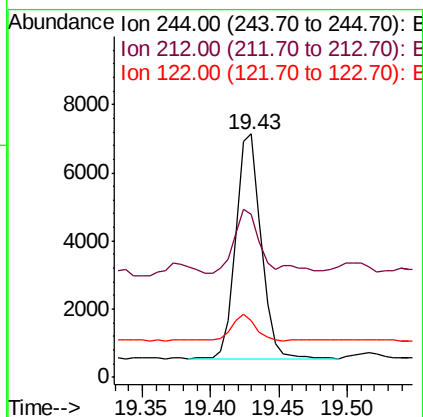
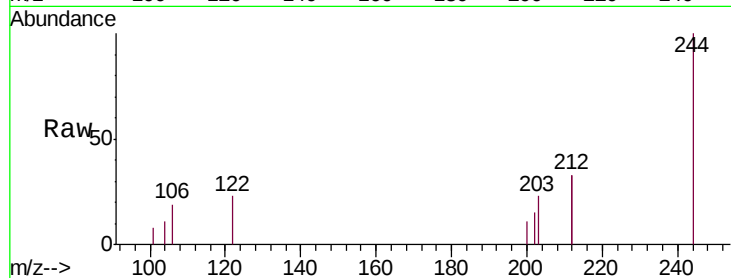




#29
 Terphenyl-d14
 Concen: 0.464 ng
 RT: 19.43 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: BE097259.D
 Acq: 10 Aug 2018 12:51

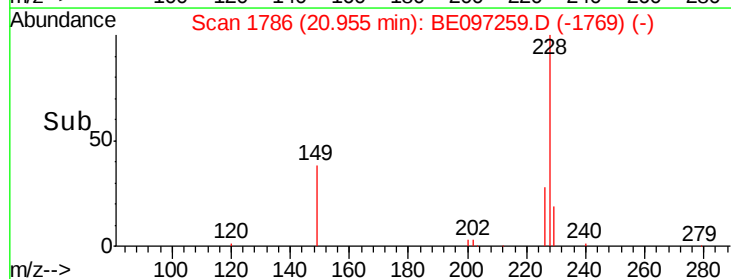
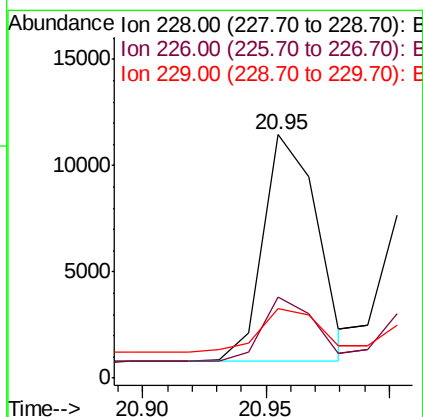
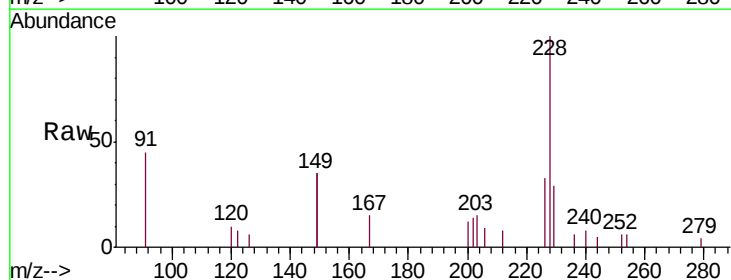
Instrument :
 BNA_E
 ClientSampleId :
 MW-103SMS

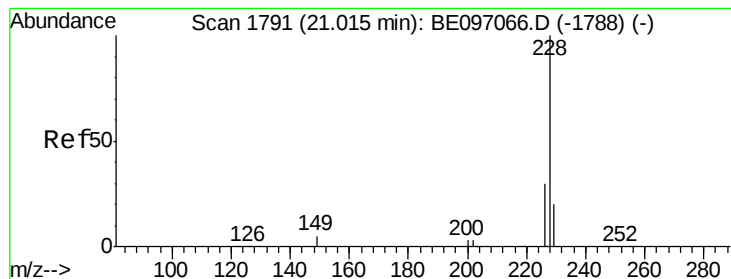
Tgt Ion:244 Resp: 8469
 Ion Ratio Lower Upper
 244 100
 212 67.0 25.4 38.0#
 122 23.3 8.1 12.1#



#30
 Benzo(a)anthracene
 Concen: 0.685 ng
 RT: 20.95 min Scan# 1786
 Delta R.T. 0.00 min
 Lab File: BE097259.D
 Acq: 10 Aug 2018 12:51

Tgt Ion:228 Resp: 16181
 Ion Ratio Lower Upper
 228 100
 226 33.1 24.0 36.0
 229 28.6 16.0 24.0#





#31

Chrysene

Concen: 0.581 ng

RT: 21.02 min Scan# 1791

Delta R.T. 0.01 min

Lab File: BE097259.D

Acq: 10 Aug 2018 12:51

Instrument :

BNA_E

ClientSampleId :

MW-103SMS

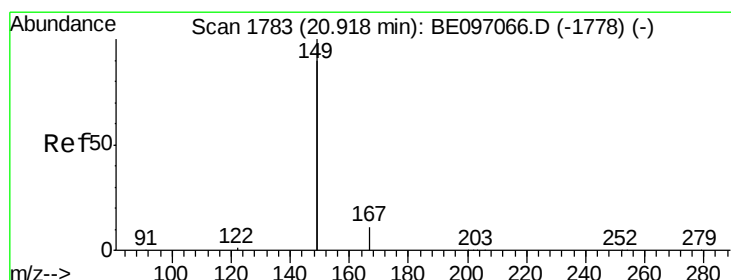
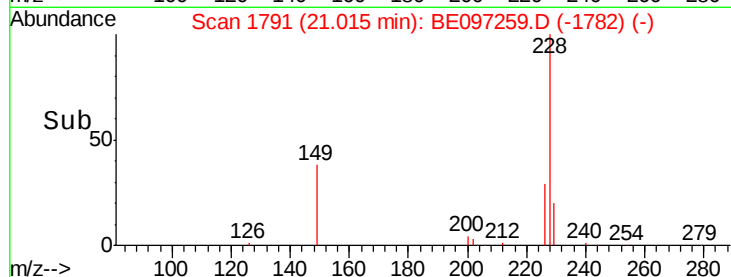
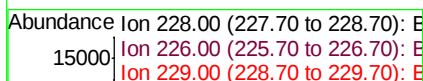
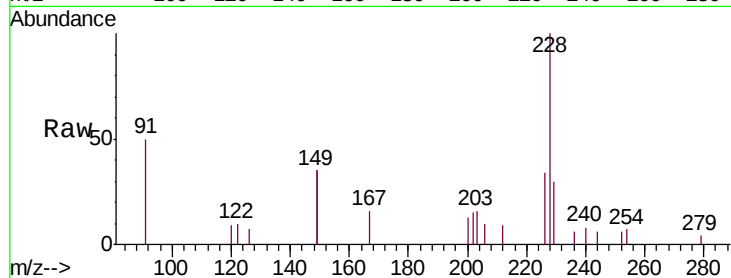
Tgt Ion:228 Resp: 14729

Ion Ratio Lower Upper

228 100

226 34.5 24.0 36.0

229 30.3 16.0 24.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 5.866 ng

RT: 20.92 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE097259.D

Acq: 10 Aug 2018 12:51

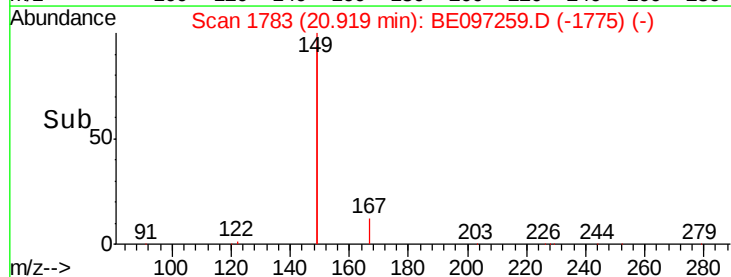
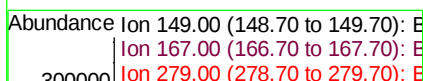
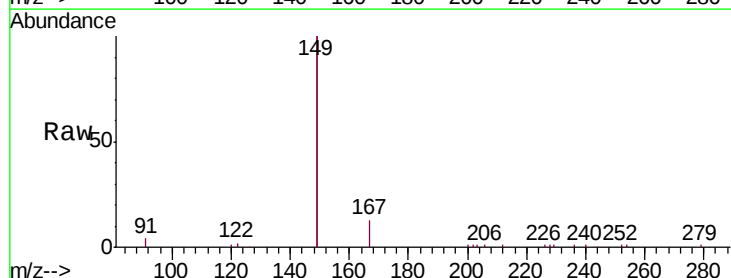
Tgt Ion:149 Resp: 295361

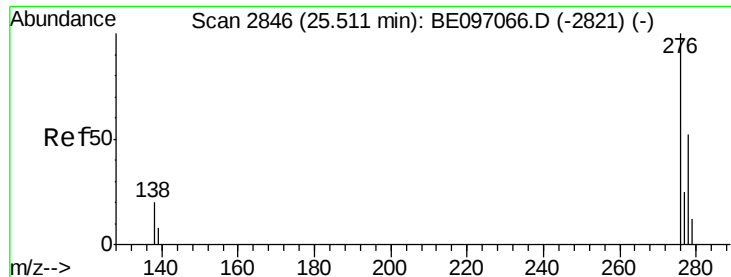
Ion Ratio Lower Upper

149 100

167 6.6 5.4 8.0

279 1.1 0.7 1.1#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.446 ng

RT: 25.51 min Scan# 2847

Delta R.T. 0.01 min

Lab File: BE097259.D

Acq: 10 Aug 2018 12:51

Instrument :

BNA_E

ClientSampleId :

MW-103SMS

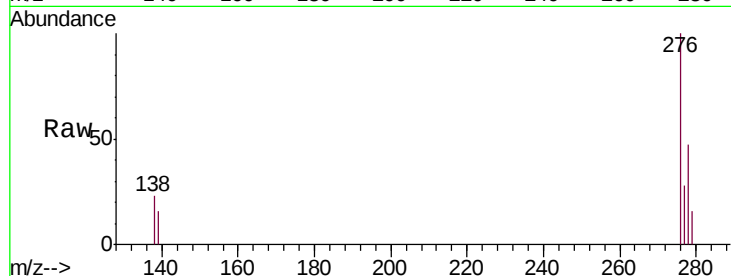
Tgt Ion:276 Resp: 10222

Ion Ratio Lower Upper

276 100

138 21.4 22.5 33.7#

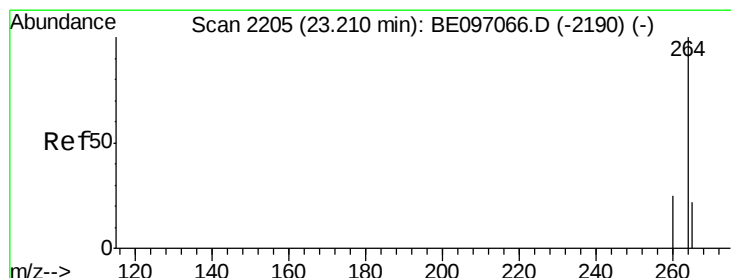
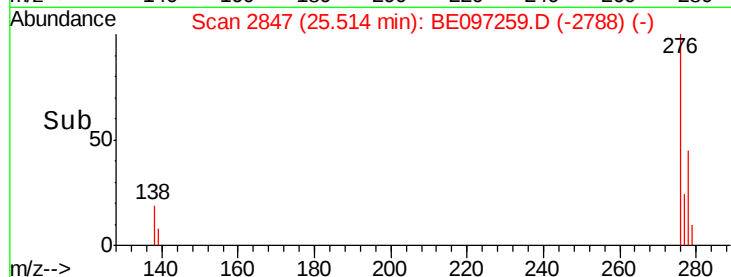
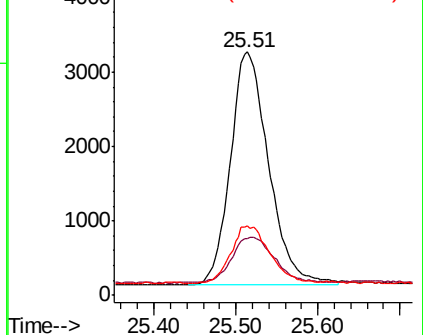
277 25.1 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.22 min Scan# 2207

Delta R.T. 0.01 min

Lab File: BE097259.D

Acq: 10 Aug 2018 12:51

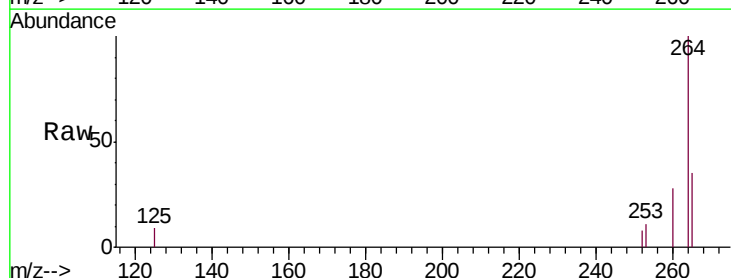
Tgt Ion:264 Resp: 9004

Ion Ratio Lower Upper

264 100

260 28.3 20.5 30.7

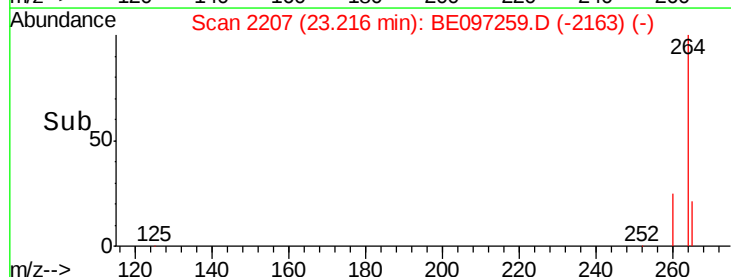
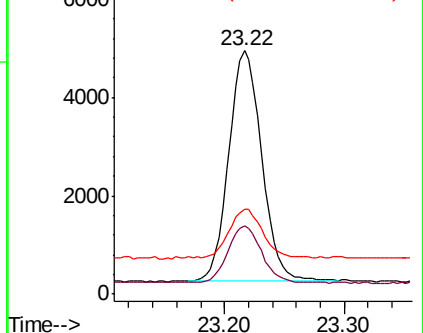
265 34.7 22.8 34.2#

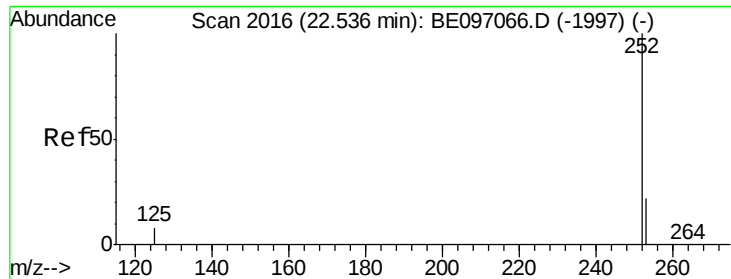


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.429 ng

RT: 22.54 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BE097259.D

Acq: 10 Aug 2018 12:51

Instrument :

BNA_E

ClientSampleId :

MW-103SMS

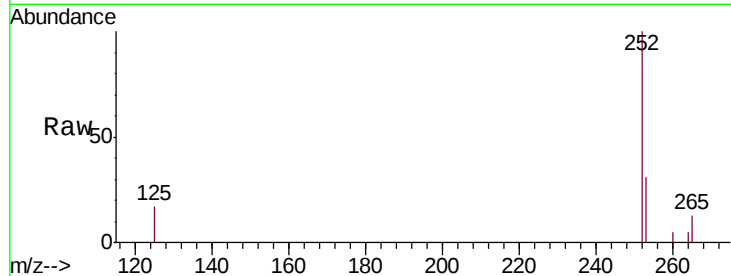
Tgt Ion:252 Resp: 9798

Ion Ratio Lower Upper

252 100

253 31.2 20.0 30.0#

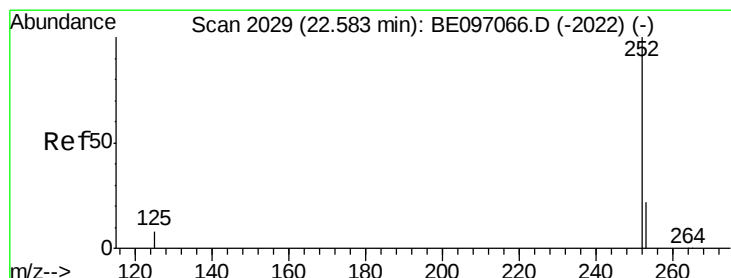
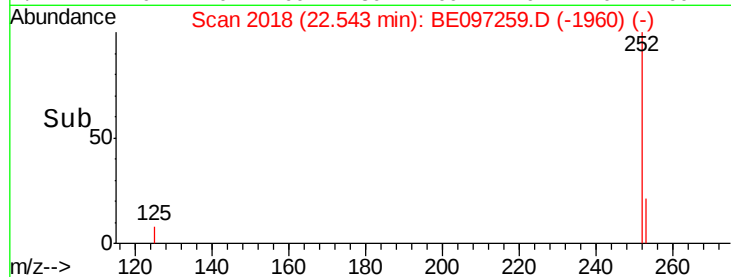
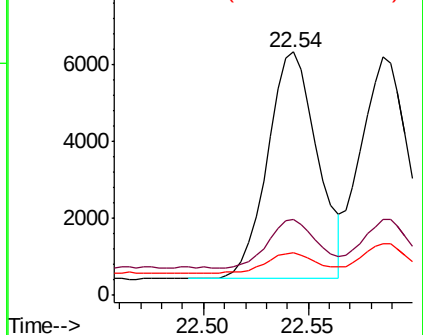
125 17.3 16.0 24.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.346 ng

RT: 22.59 min Scan# 2030

Delta R.T. 0.01 min

Lab File: BE097259.D

Acq: 10 Aug 2018 12:51

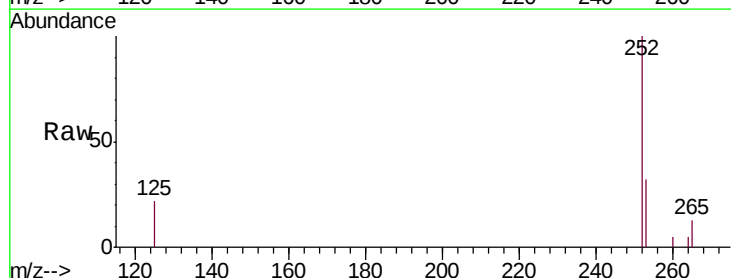
Tgt Ion:252 Resp: 9236

Ion Ratio Lower Upper

252 100

253 31.7 16.0 24.0#

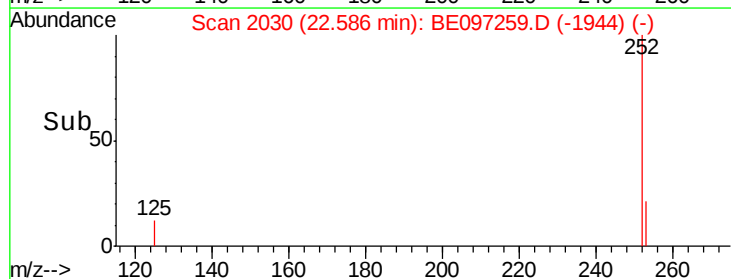
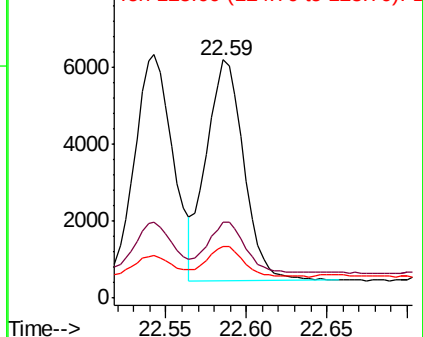
125 21.7 8.0 12.0#

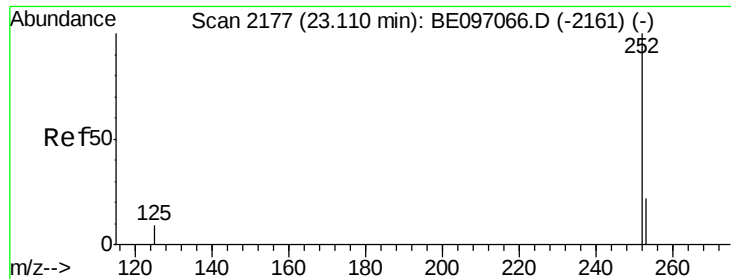


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.425 ng

RT: 23.12 min Scan# 2180

Delta R.T. 0.01 min

Lab File: BE097259.D

Acq: 10 Aug 2018 12:51

Instrument :

BNA_E

ClientSampleId :

MW-103SMS

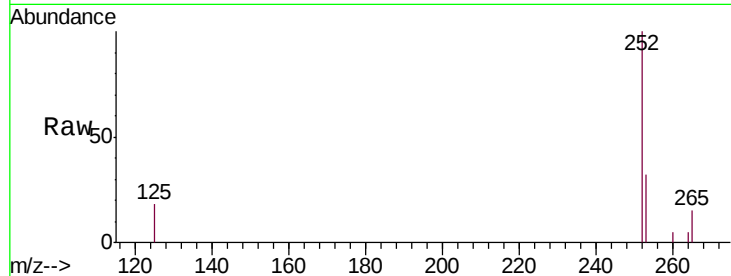
Tgt Ion:252 Resp: 9133

Ion Ratio Lower Upper

252 100

253 31.6 16.0 24.0#

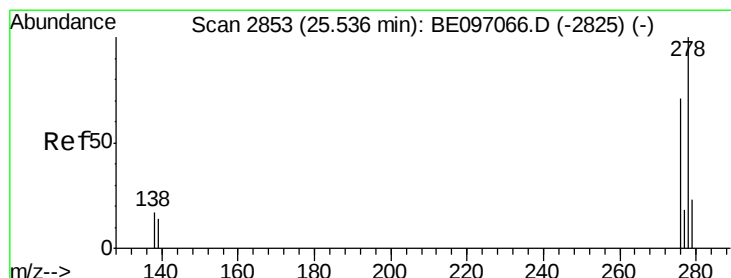
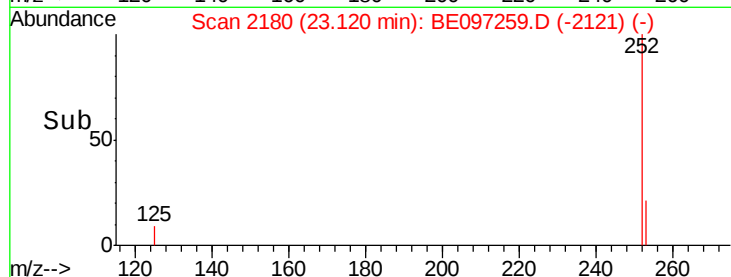
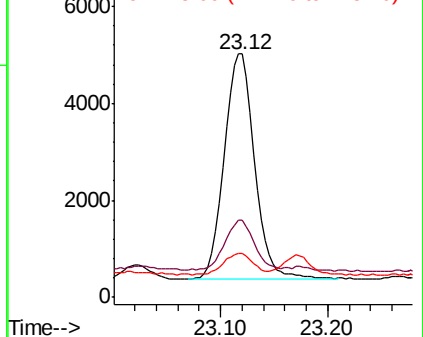
125 18.1 12.0 18.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.385 ng

RT: 25.54 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BE097259.D

Acq: 10 Aug 2018 12:51

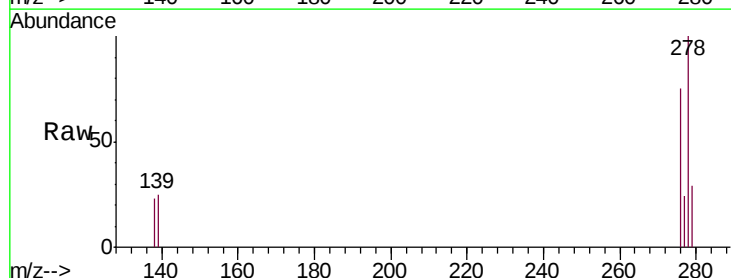
Tgt Ion:278 Resp: 8266

Ion Ratio Lower Upper

278 100

139 25.0 16.0 24.0#

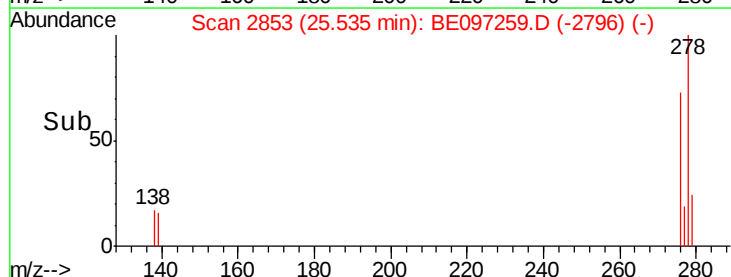
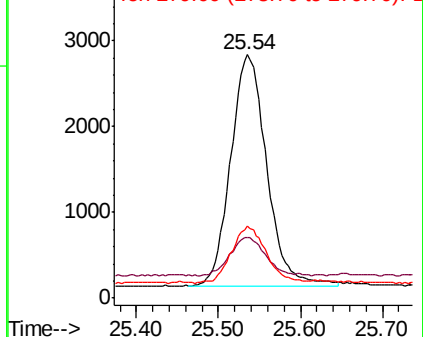
279 29.4 20.0 30.0

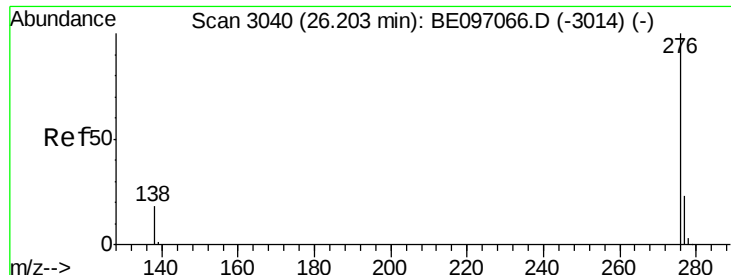


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.381 ng

RT: 26.22 min Scan# 3044

Delta R.T. 0.01 min

Lab File: BE097259.D

Acq: 10 Aug 2018 12:51

Instrument :

BNA_E

ClientSampleId :

MW-103SMS

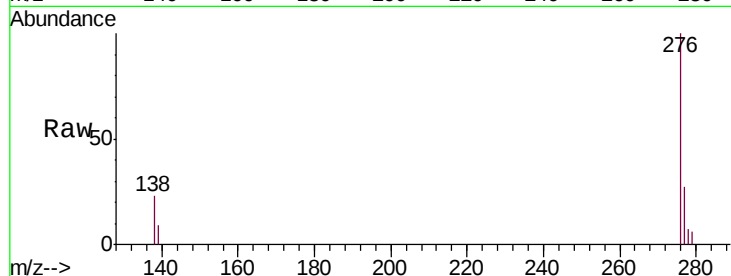
Tgt Ion: 276 Resp: 8682

Ion Ratio Lower Upper

276 100

277 27.2 16.0 24.0#

138 23.1 20.0 30.0



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

