

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE081018\
 Data File : BE097260.D
 Acq On : 10 Aug 2018 13:26
 Operator : SJ/JU
 Sample : J4379-12MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-103SMSD

Quant Time: Aug 10 16:31:13 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	1177	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6282	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	4100	0.40	ng	0.00
19) Phenanthrene-d10	16.77	188	9197	0.40	ng	0.00
27) Chrysene-d12	20.98	240	10100	0.40	ng	0.00
34) Perylene-d12	23.22	264	9530	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.06	112	801	0.24	ng	0.01
5) Phenol-d6	6.61	99	683	0.14	ng	0.01
8) Nitrobenzene-d5	8.52	82	2412	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	4324	0.46	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	819	0.61	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	6892	0.49	ng	0.00
25) Fluoranthene-d10	18.81	212	42391	0.46	ng	0.00
29) Terphenyl-d14	19.43	244	9311	0.48	ng	0.00

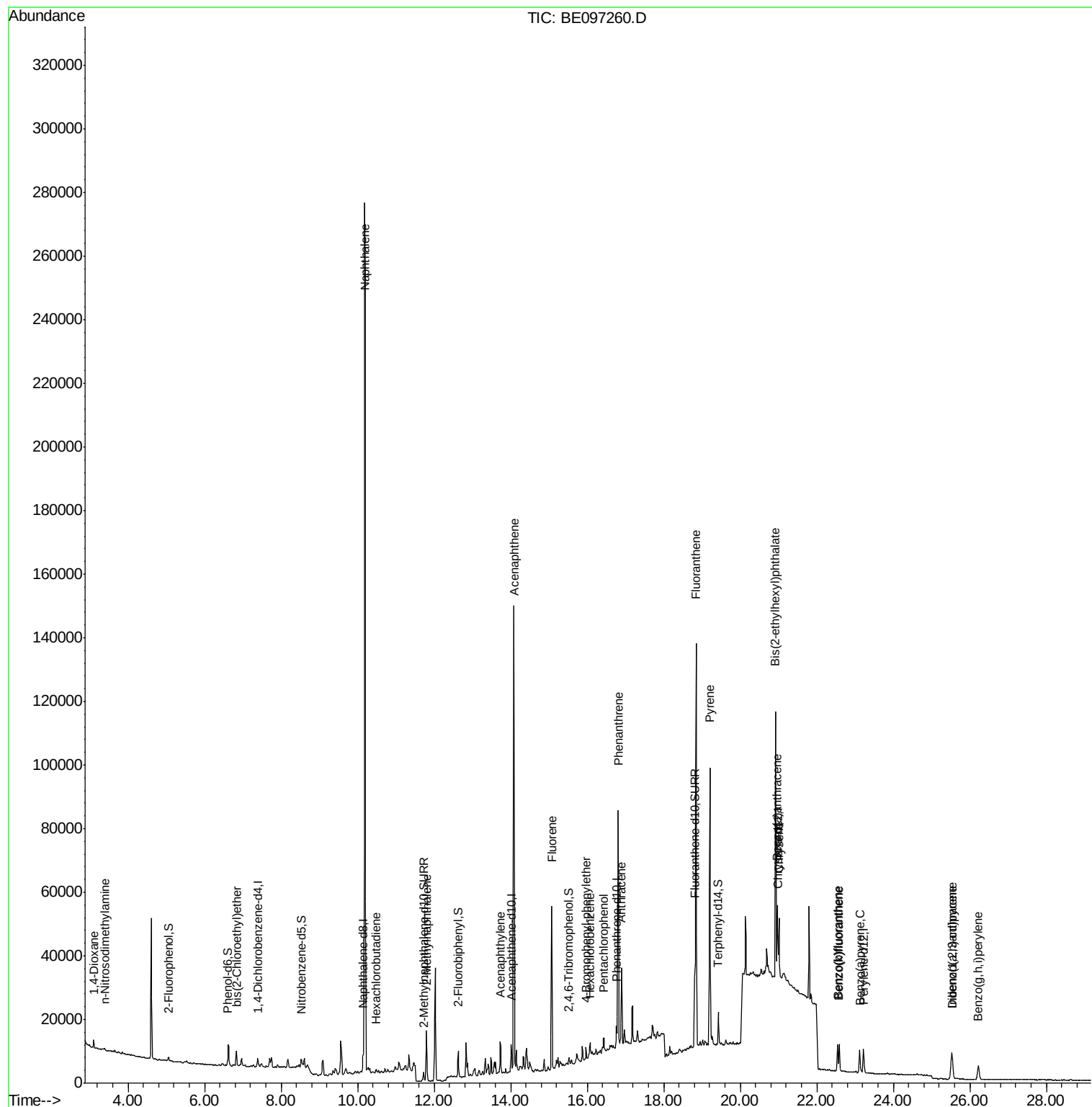
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.10	88	1388	0.742	ng	98
3) n-Nitrosodimethylamine	3.38	42	239	0.114	ng	# 90
6) bis(2-Chloroethyl)ether	6.84	93	1824	0.412	ng	86
9) Naphthalene	10.18	128	472479	8.381	ng	99
10) Hexachlorobutadiene	10.48	225	881	0.349	ng	99
12) 2-Methylnaphthalene	11.80	142	11134	1.151	ng	99
16) Acenaphthylene	13.73	152	9293	0.505	ng	# 92
17) Acenaphthene	14.08	154	80032	7.481	ng	97
18) Fluorene	15.08	166	40336	2.853	ng	# 79
20) 4-Bromophenyl-phenylether	15.97	248	1778	0.398	ng	# 64
21) Hexachlorobenzene	16.08	284	1795	0.374	ng	# 77
22) Pentachlorophenol	16.44	266	2334	1.557	ng	# 73
23) Phenanthrene	16.81	178	78589	3.585	ng	97
24) Anthracene	16.89	178	26836	1.369	ng	# 89
26) Fluoranthene	18.84	202	114709	4.664	ng	97
28) Pyrene	19.21	202	79101	2.855	ng	# 92
30) Benzo(a)anthracene	20.97	228	19077	0.759	ng	# 91
31) Chrysene	21.02	228	15177	0.563	ng	# 86
32) Bis(2-ethylhexyl)phthalate	20.92	149	107649	2.827	ng	# 100
33) Indeno(1,2,3-cd)pyrene	25.52	276	11657	0.478	ng	# 93
35) Benzo(b)fluoranthene	22.54	252	10862	0.449	ng	# 90
36) Benzo(k)fluoranthene	22.59	252	10543	0.373	ng	# 71
37) Benzo(a)pyrene	23.12	252	10251	0.451	ng	# 82
38) Dibenzo(a,h)anthracene	25.54	278	9466	0.417	ng	92
39) Benzo(g,h,i)perylene	26.22	276	9761	0.405	ng	# 90

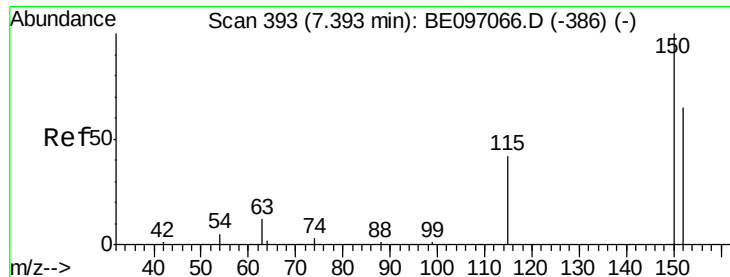
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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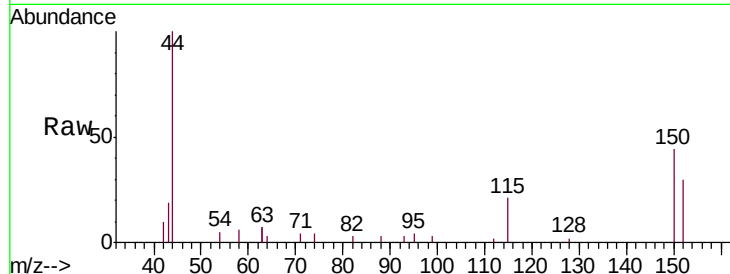


#1

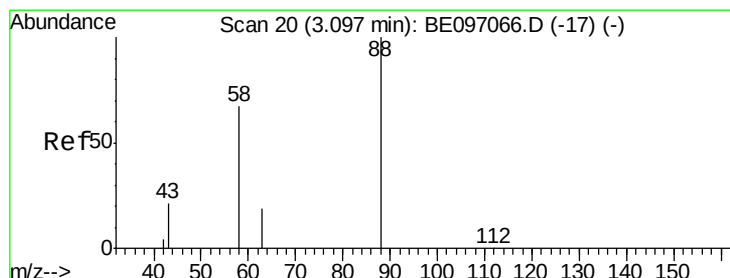
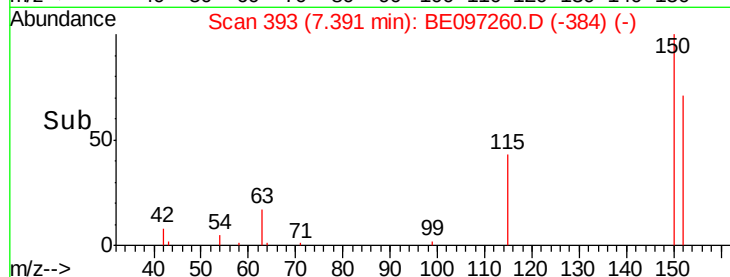
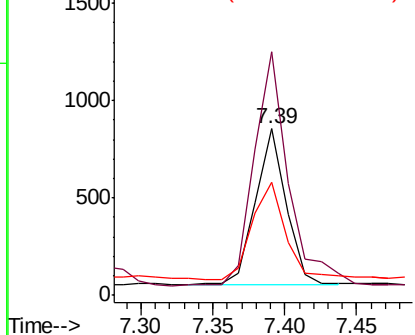
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. 0.00 min
Lab File: BE097260.D
Acq: 10 Aug 2018 13:26

Instrument :
BNA_E
ClientSampleId :
MW-103SMSD

Tgt Ion:152 Resp: 1177
Ion Ratio Lower Upper
152 100
150 146.5 117.2 175.8
115 68.1 57.0 85.6



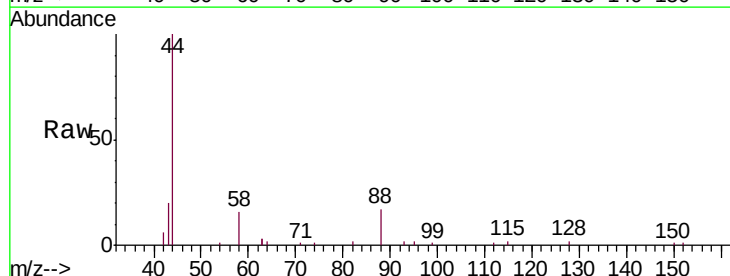
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



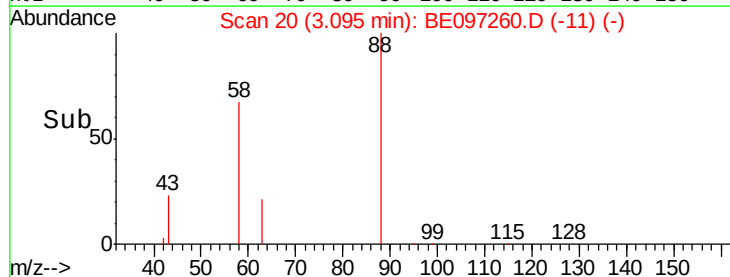
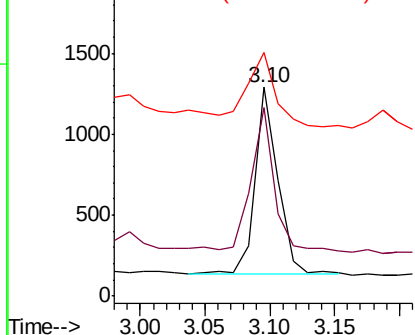
#2

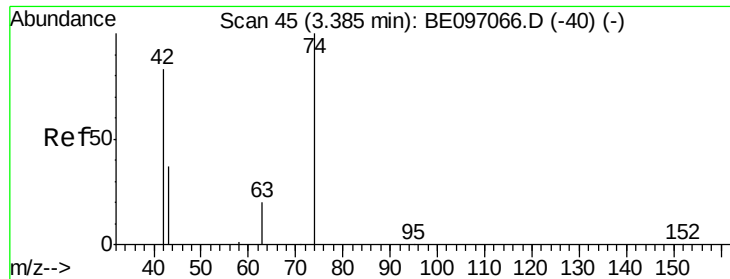
1,4-Dioxane
Concen: 0.742 ng
RT: 3.10 min Scan# 20
Delta R.T. 0.00 min
Lab File: BE097260.D
Acq: 10 Aug 2018 13:26

Tgt Ion: 88 Resp: 1388
Ion Ratio Lower Upper
88 100
58 77.1 63.2 94.8
43 49.6 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



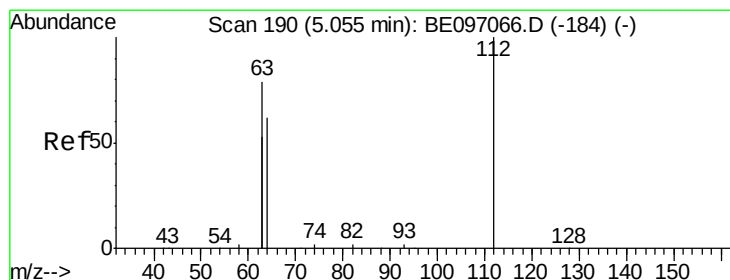
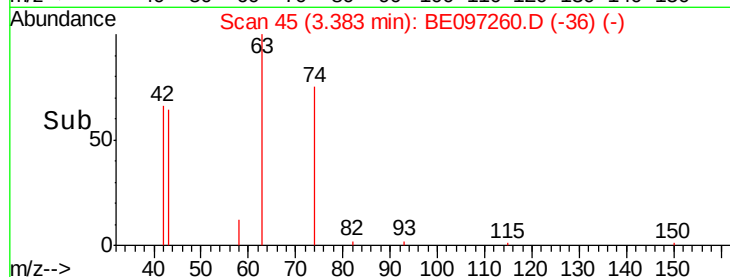
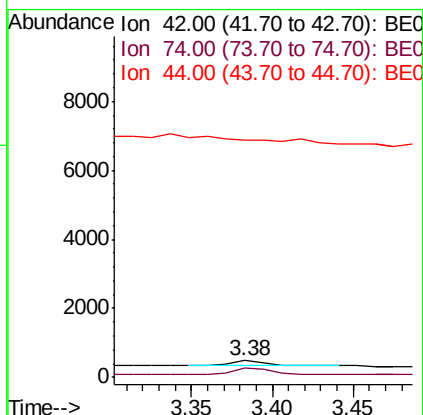
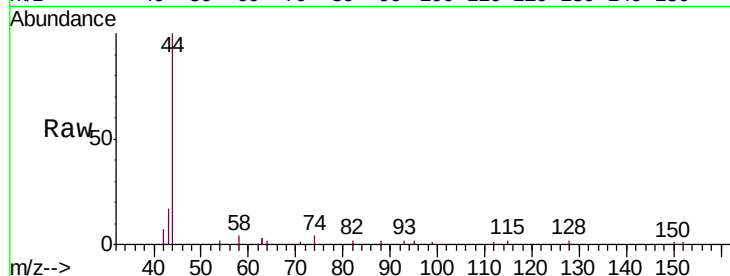


#3

n-Nitrosodimethylamine
 Concen: 0.114 ng
 RT: 3.38 min Scan# 45
 Delta R.T. 0.00 min
 Lab File: BE097260.D
 Acq: 10 Aug 2018 13:26

Instrument :
 BNA_E
 ClientSampleId :
 MW-103SMSD

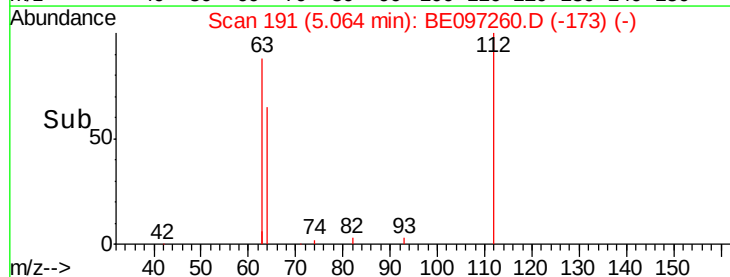
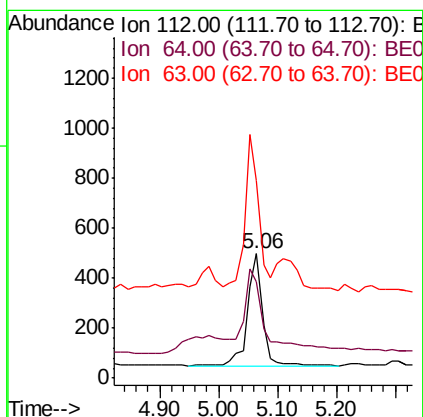
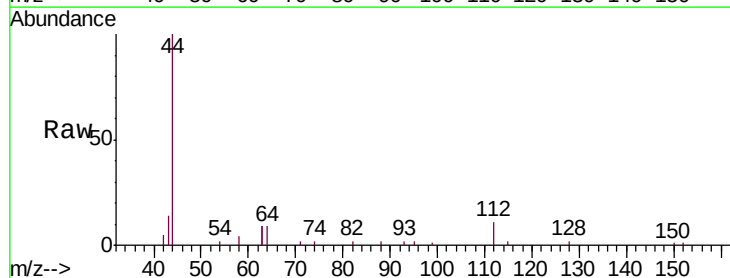
Tgt Ion: 42 Resp: 239
 Ion Ratio Lower Upper
 42 100
 74 128.0 96.0 144.0
 44 0.0 12.0 18.0#

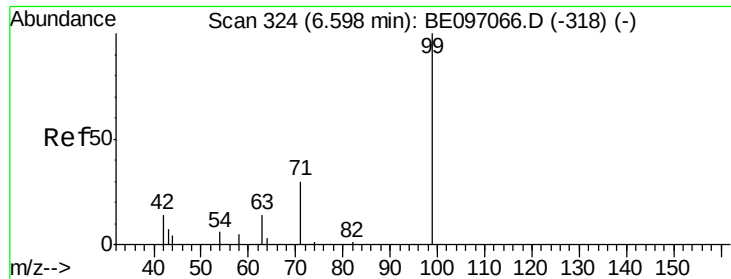


#4

2-Fluorophenol
 Concen: 0.242 ng
 RT: 5.06 min Scan# 191
 Delta R.T. 0.01 min
 Lab File: BE097260.D
 Acq: 10 Aug 2018 13:26

Tgt Ion: 112 Resp: 801
 Ion Ratio Lower Upper
 112 100
 64 94.6 60.1 90.1#
 63 121.6 116.8 175.2





#5

Phenol-d6

Concen: 0.141 ng

RT: 6.61 min Scan# 325

Delta R.T. 0.01 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

Instrument :

BNA_E

ClientSampleId :

MW-103SMSD

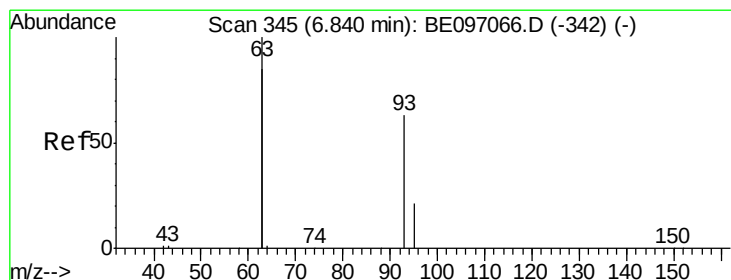
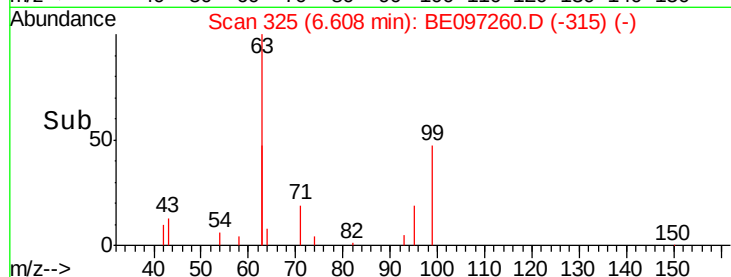
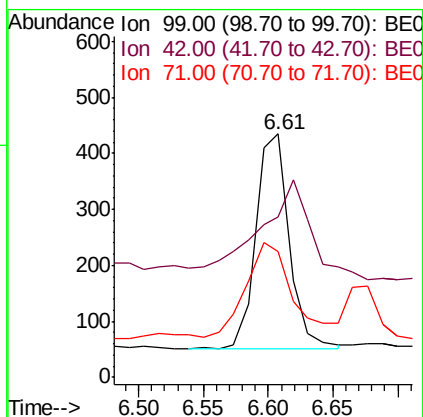
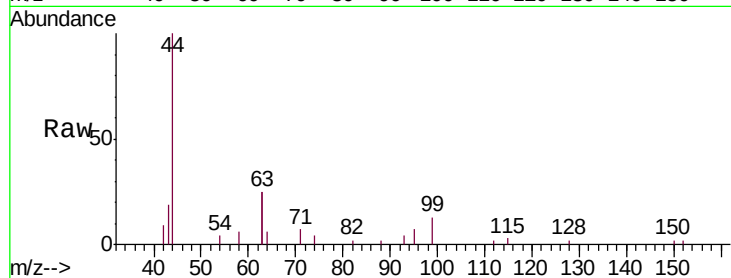
Tgt Ion: 99 Resp: 683

Ion Ratio Lower Upper

99 100

42 52.0 20.2 30.2#

71 0.0 28.4 42.6#



#6

bis(2-Chloroethyl)ether

Concen: 0.412 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

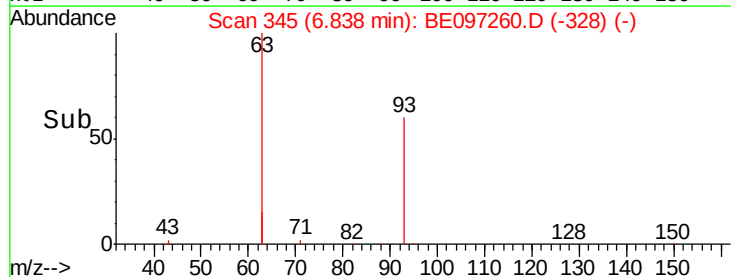
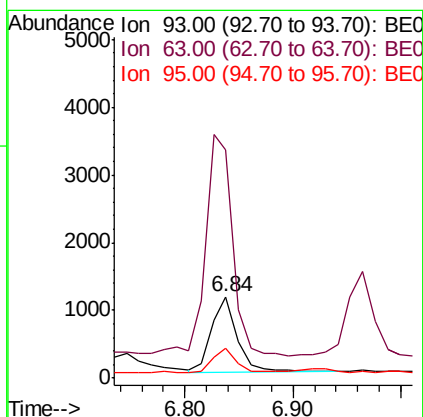
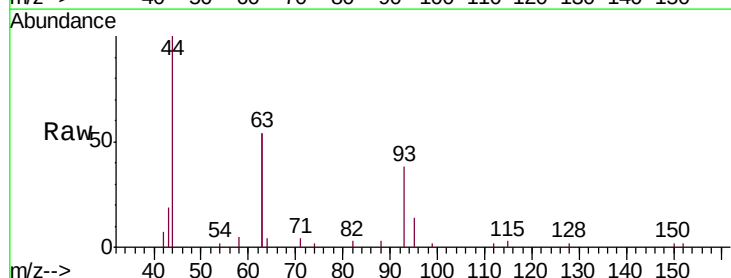
Tgt Ion: 93 Resp: 1824

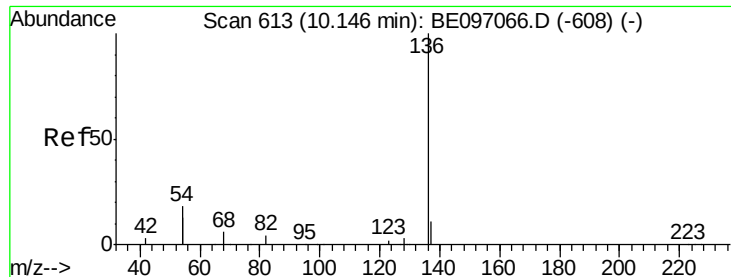
Ion Ratio Lower Upper

93 100

63 311.2 275.3 412.9

95 30.8 25.2 37.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 613

Delta R.T. -0.00 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

Instrument :

BNA_E

ClientSampleId :

MW-103SMSD

Tgt Ion: 136 Resp: 6282

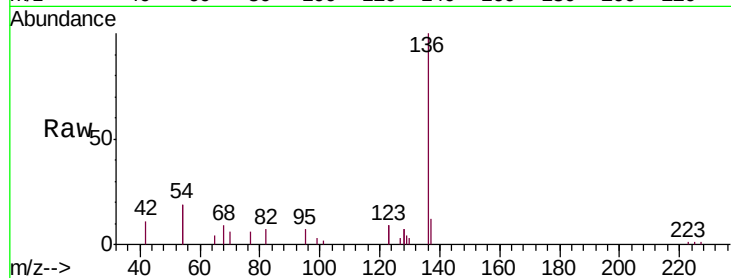
Ion Ratio Lower Upper

136 100

137 12.4 9.5 14.3

54 37.2 29.1 43.7

68 9.3 6.2 9.2#

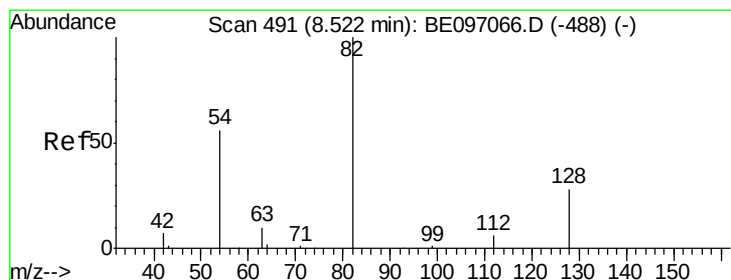
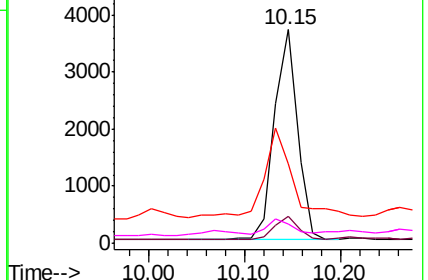
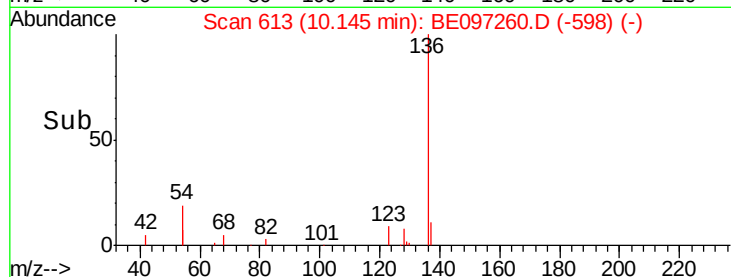


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.442 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

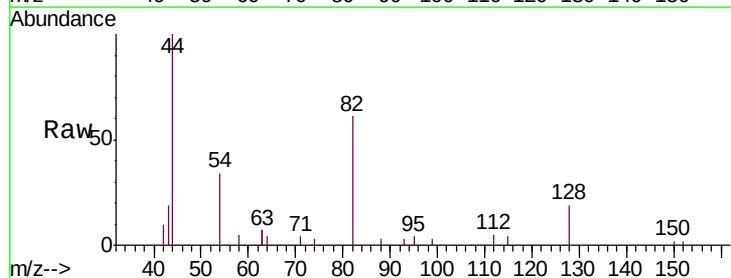
Tgt Ion: 82 Resp: 2412

Ion Ratio Lower Upper

82 100

128 31.9 24.0 36.0

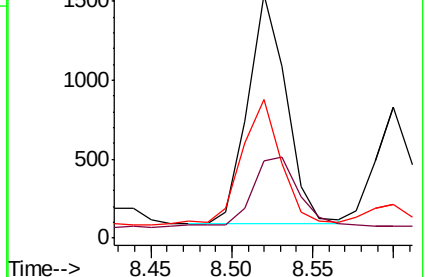
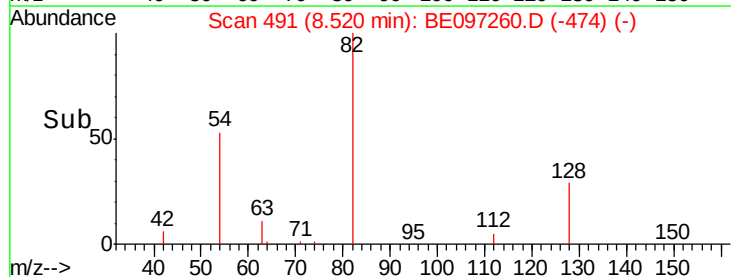
54 56.9 40.0 60.0

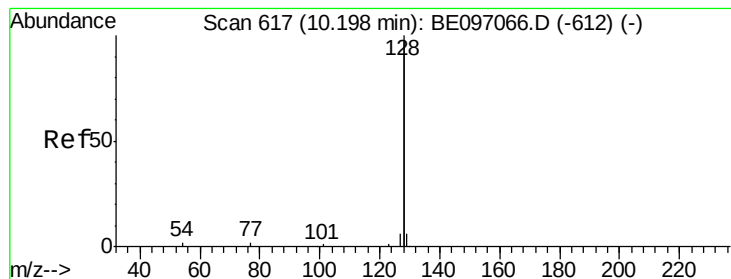


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 8.381 ng

RT: 10.18 min Scan# 616

Delta R.T. -0.01 min

Lab File: BE097260.D

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ClientSampleId :

MW-103SMSD

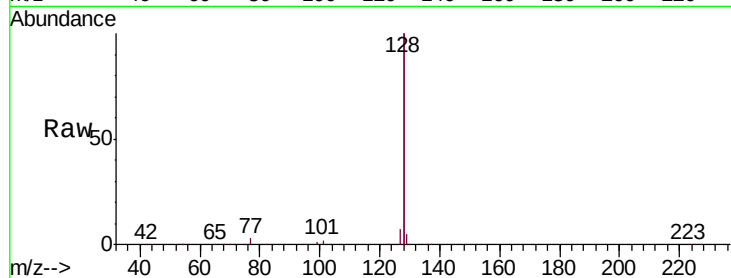
Tgt Ion:128 Resp: 472479

Ion Ratio Lower Upper

128 100

129 2.7 2.6 3.8

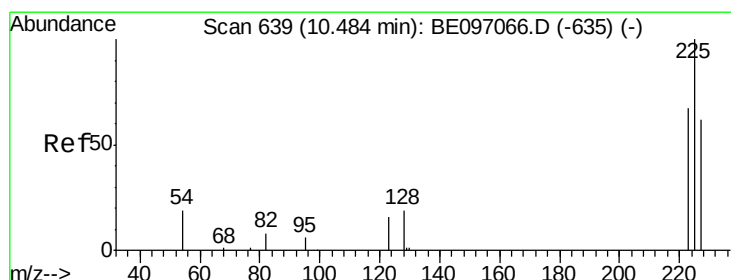
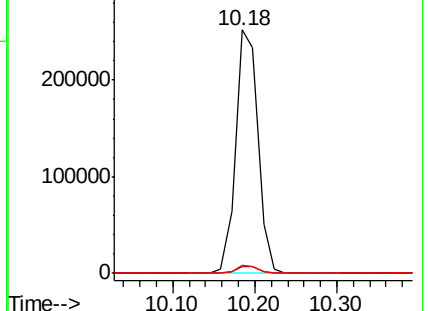
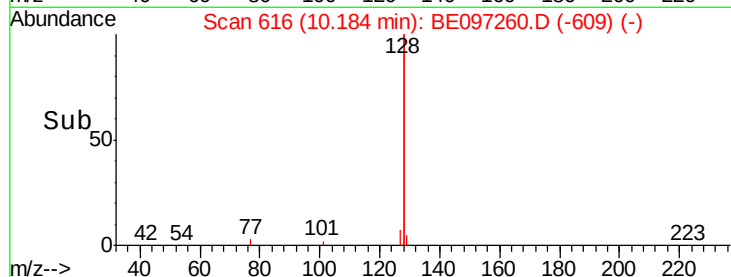
127 3.4 2.8 4.2



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: 0.349 ng

RT: 10.48 min Scan# 639

Delta R.T. -0.00 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

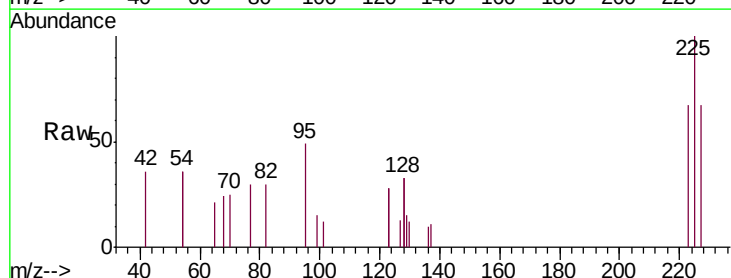
Tgt Ion:225 Resp: 881

Ion Ratio Lower Upper

225 100

223 65.0 53.0 79.6

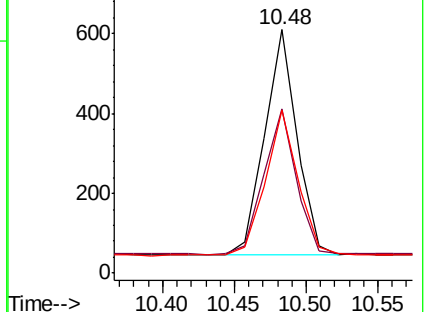
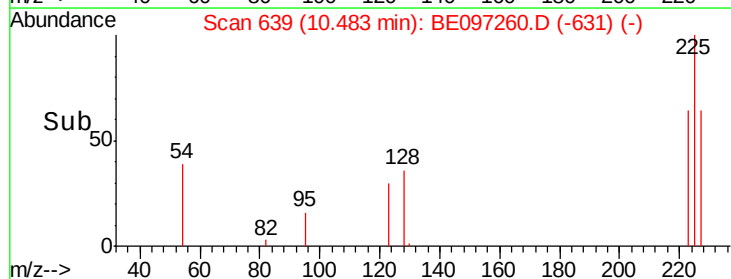
227 64.9 51.4 77.2

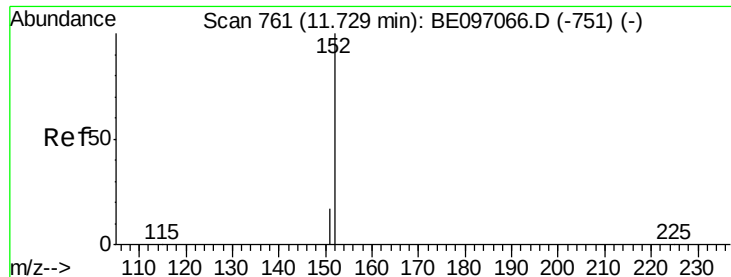


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.460 ng

RT: 11.72 min Scan# 760

Delta R.T. -0.00 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

Instrument :

BNA_E

ClientSampleId :

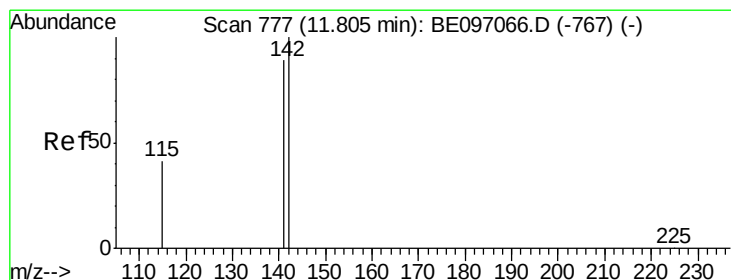
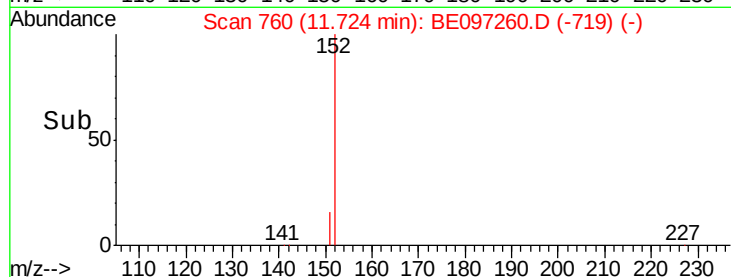
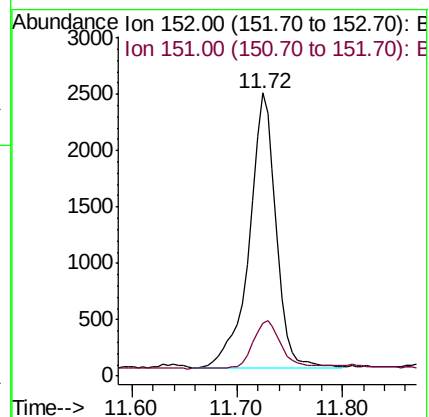
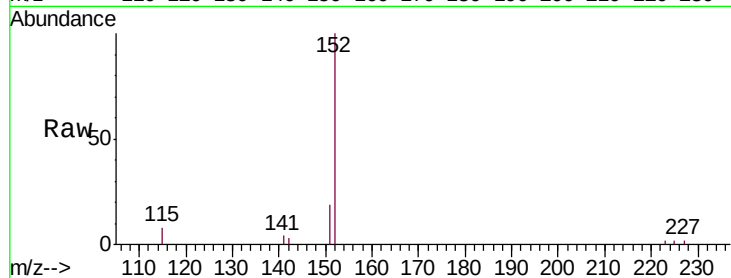
MW-103SMSD

Tgt Ion:152 Resp: 4324

Ion Ratio Lower Upper

152 100

151 18.2 15.4 23.0



#12

2-Methylnaphthalene

Concen: 1.151 ng

RT: 11.80 min Scan# 776

Delta R.T. -0.01 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

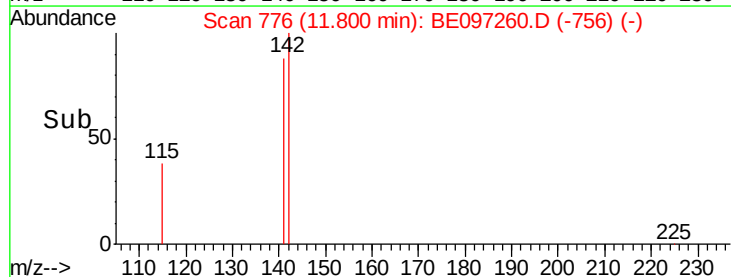
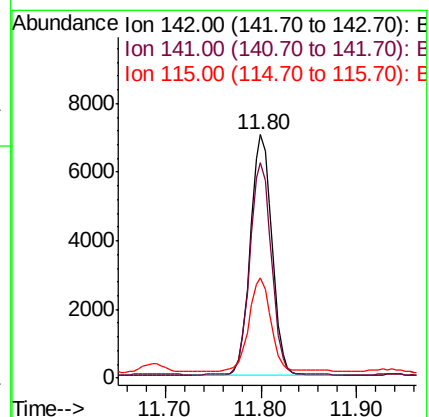
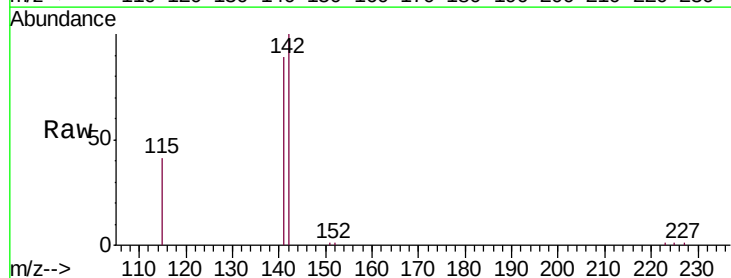
Tgt Ion:142 Resp: 11134

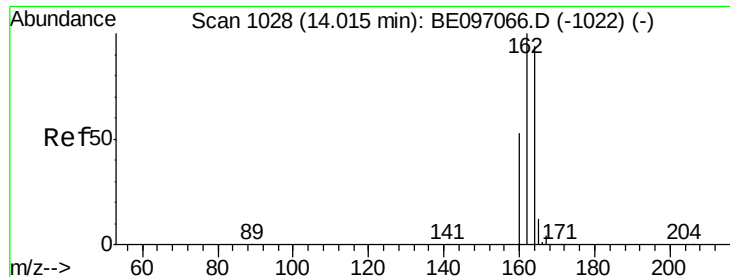
Ion Ratio Lower Upper

142 100

141 88.7 70.4 105.6

115 40.9 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

Instrument :

BNA_E

ClientSampleId :

MW-103SMSD

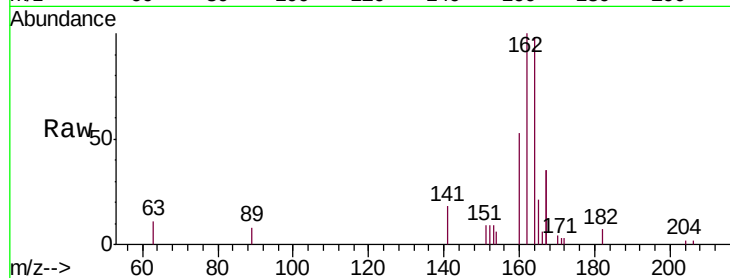
Tgt Ion:164 Resp: 4100

Ion Ratio Lower Upper

164 100

162 101.9 83.1 124.7

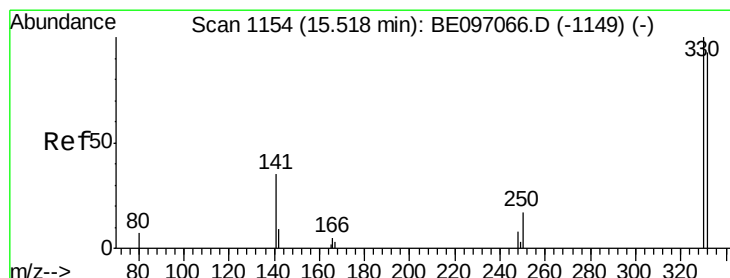
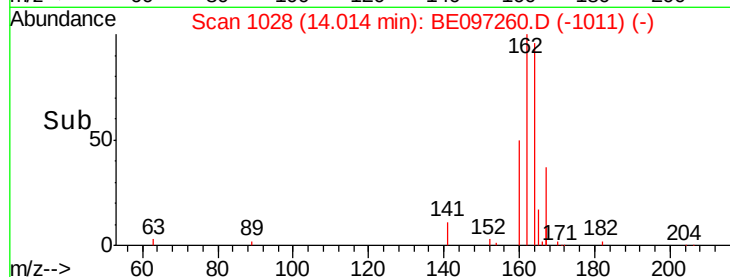
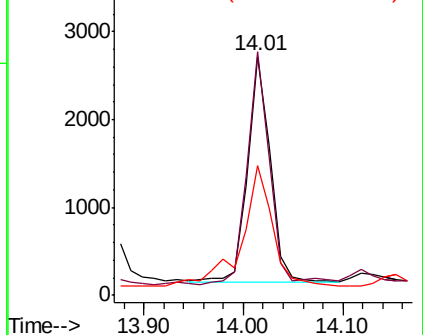
160 54.1 37.1 55.7



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: 0.607 ng

RT: 15.52 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

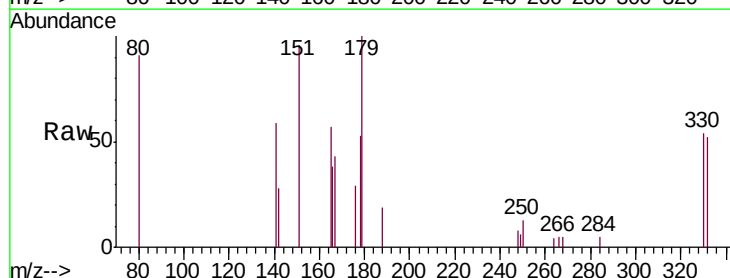
Tgt Ion:330 Resp: 819

Ion Ratio Lower Upper

330 100

332 98.4 152.7 229.1#

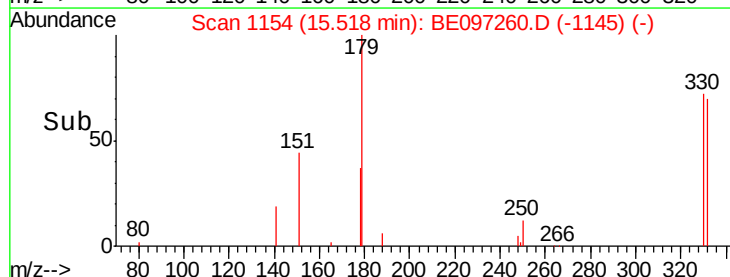
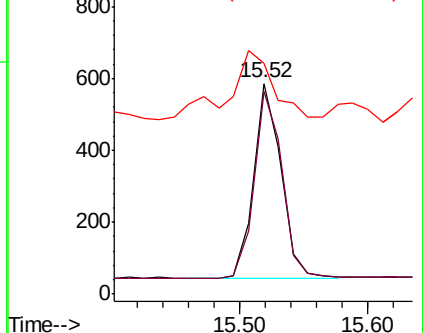
141 58.6 33.7 50.5#

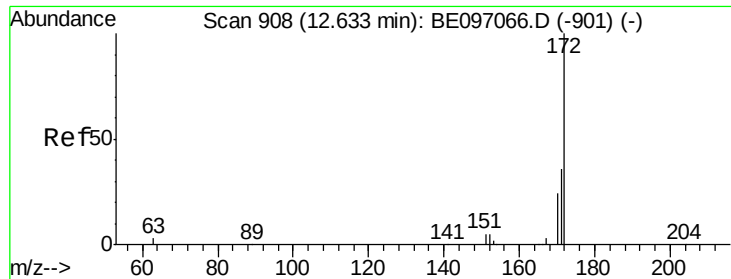


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

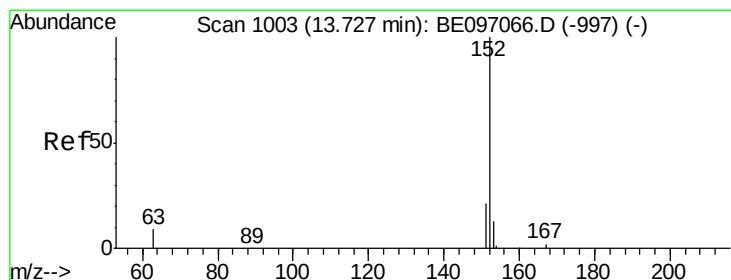
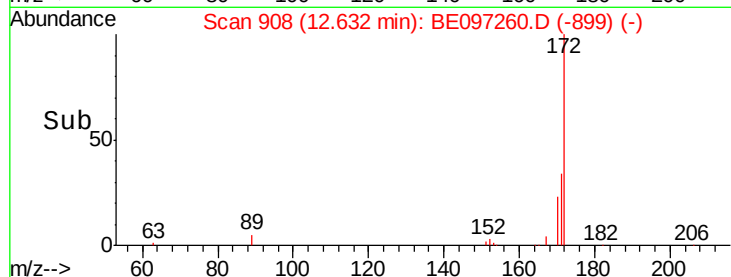
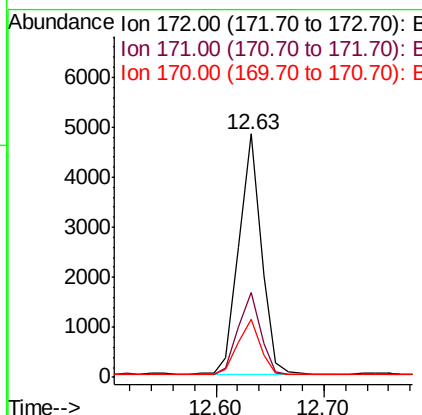
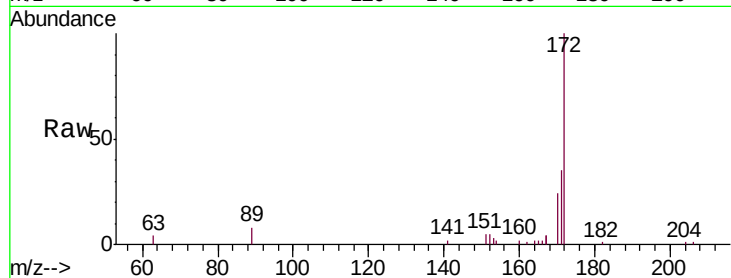




#15
2-Fluorobiphenyl
Concen: 0.487 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE097260.D
Acq: 10 Aug 2018 13:26

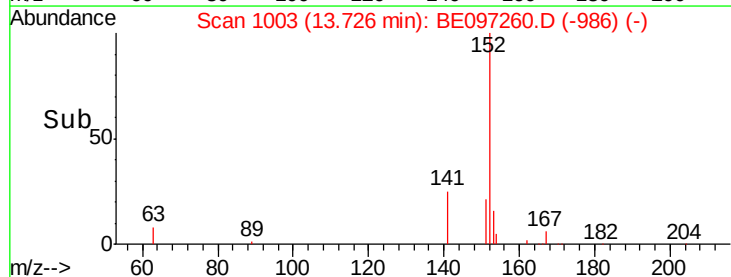
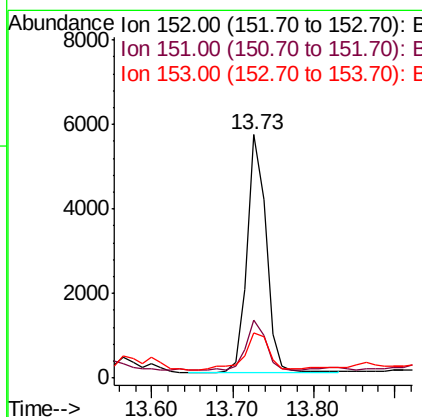
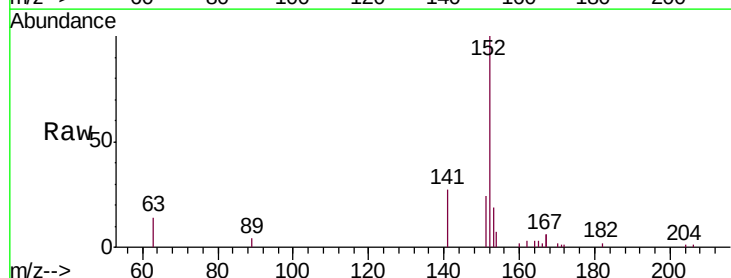
Instrument :
BNA_E
ClientSampleId :
MW-103MSMSD

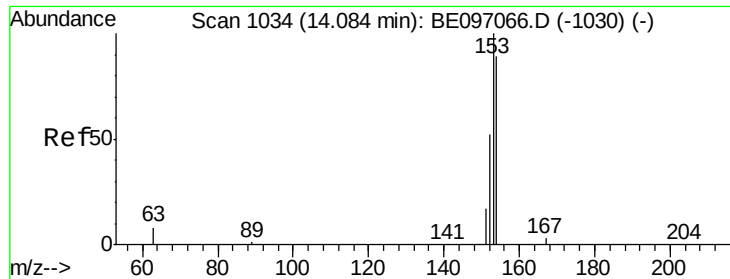
Tgt Ion:172 Resp: 6892
Ion Ratio Lower Upper
172 100
171 34.8 29.9 44.9
170 23.7 21.8 32.8



#16
Acenaphthylene
Concen: 0.505 ng
RT: 13.73 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BE097260.D
Acq: 10 Aug 2018 13:26

Tgt Ion:152 Resp: 9293
Ion Ratio Lower Upper
152 100
151 21.1 15.7 23.5
153 19.3 10.5 15.7#

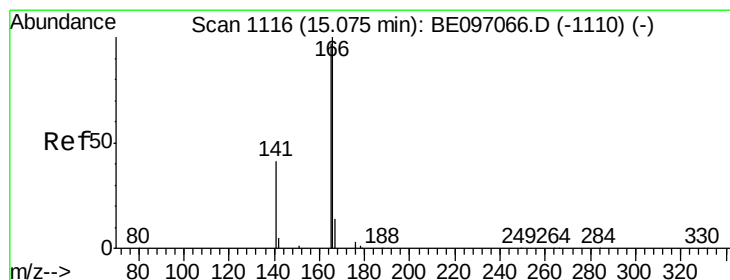
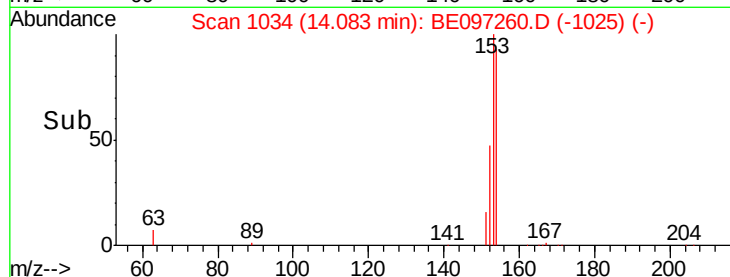
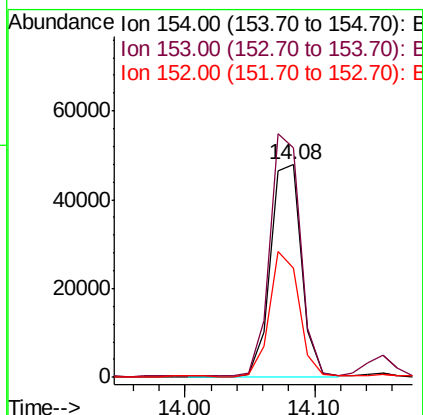
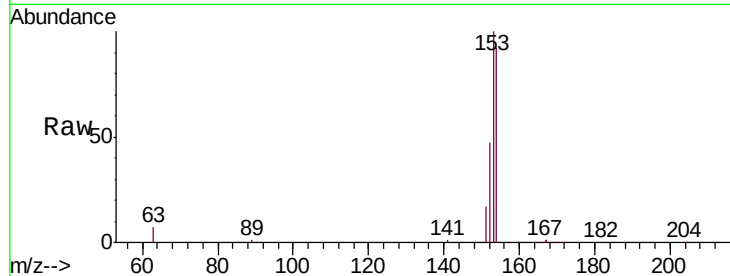




#17
Acenaphthene
Concen: 7.481 ng
RT: 14.08 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BE097260.D
Acq: 10 Aug 2018 13:26

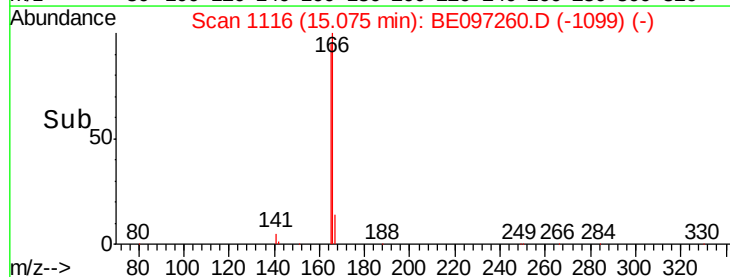
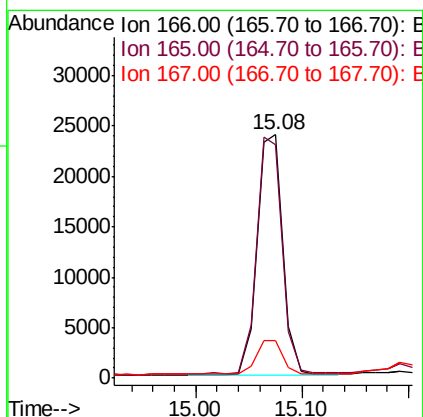
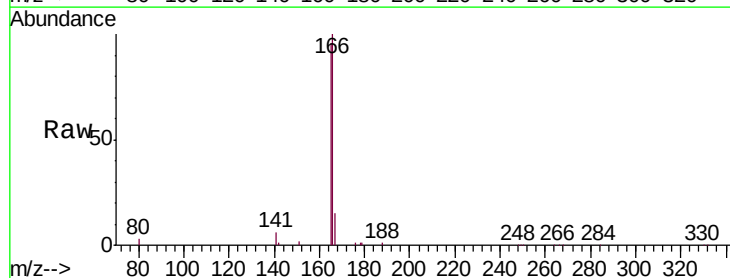
Instrument :
BNA_E
ClientSampleId :
MW-103SMSD

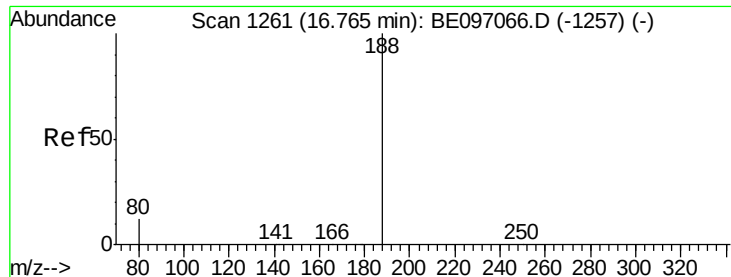
Tgt Ion:154 Resp: 80032
Ion Ratio Lower Upper
154 100
153 113.0 89.2 133.8
152 56.2 42.0 63.0



#18
Fluorene
Concen: 2.853 ng
RT: 15.08 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE097260.D
Acq: 10 Aug 2018 13:26

Tgt Ion:166 Resp: 40336
Ion Ratio Lower Upper
166 100
165 99.4 77.8 116.6
167 14.5 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

Instrument :

BNA_E

ClientSampleId :

MW-103SMSD

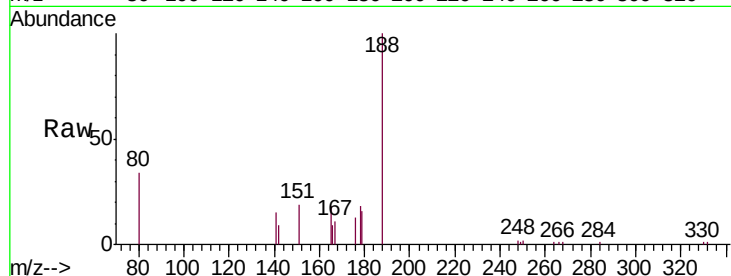
Tgt Ion:188 Resp: 9197

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

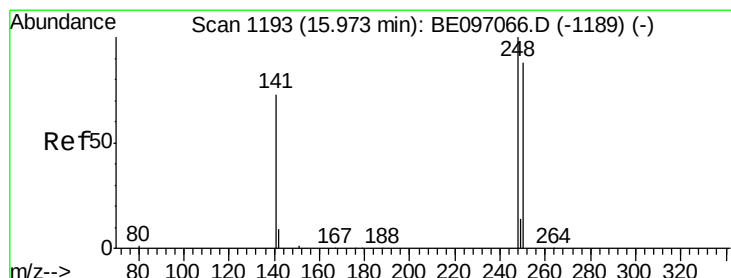
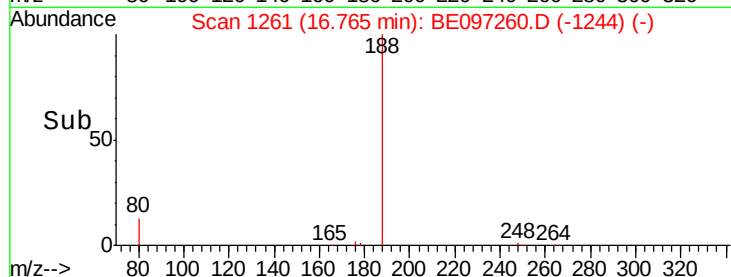
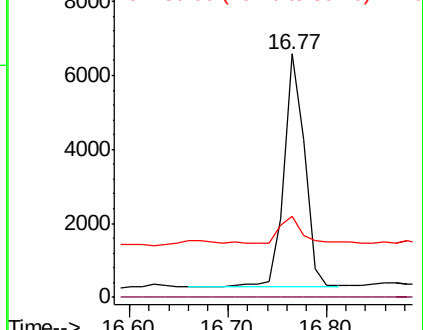
80 33.5 3.6 5.4#



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: 0.398 ng

RT: 15.97 min Scan# 1193

Delta R.T. -0.00 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

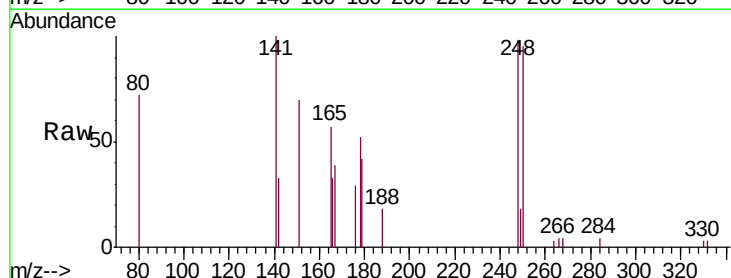
Tgt Ion:248 Resp: 1778

Ion Ratio Lower Upper

248 100

250 97.0 62.7 94.1#

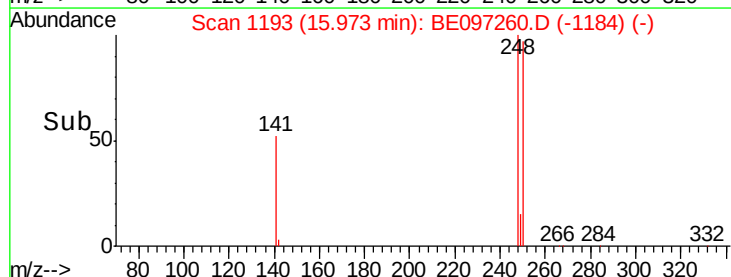
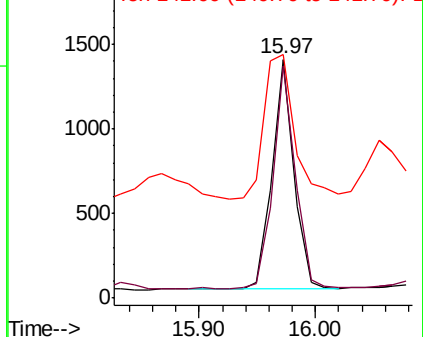
141 102.0 48.2 72.2#

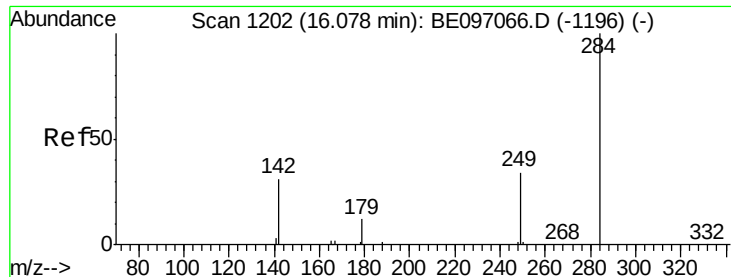


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.374 ng

RT: 16.08 min Scan# 1202

Delta R.T. -0.00 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

Instrument :

BNA_E

ClientSampleId :

MW-103SMSD

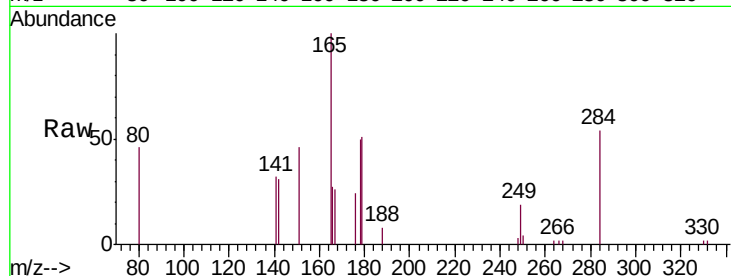
Tgt Ion:284 Resp: 1795

Ion Ratio Lower Upper

284 100

142 41.1 22.1 33.1#

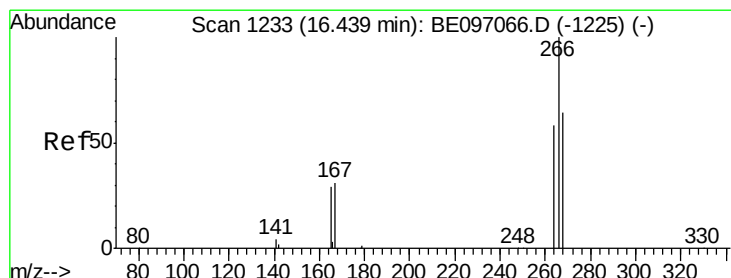
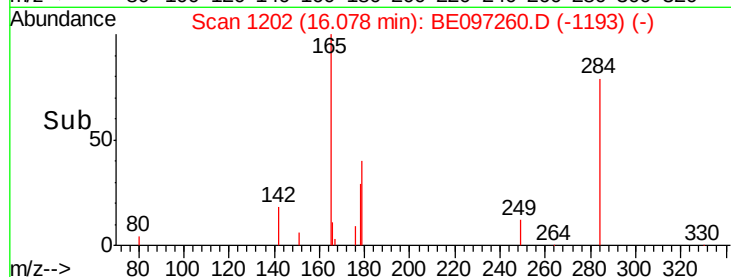
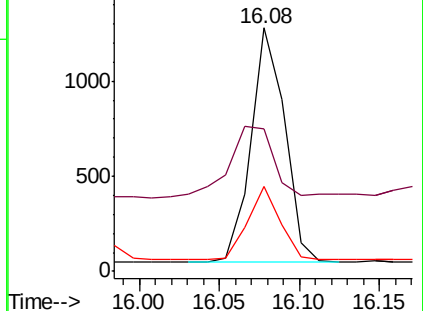
249 30.0 34.8 52.2#



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: 1.557 ng

RT: 16.44 min Scan# 1233

Delta R.T. 0.01 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

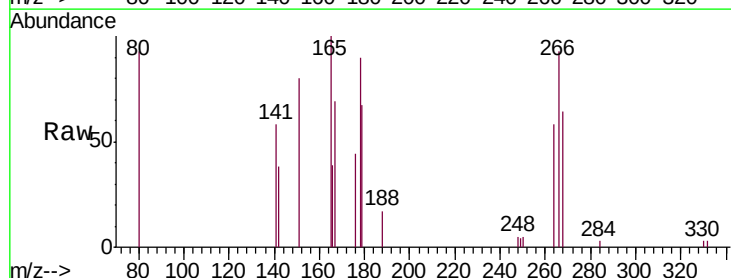
Tgt Ion:266 Resp: 2334

Ion Ratio Lower Upper

266 100

264 62.8 72.5 108.7#

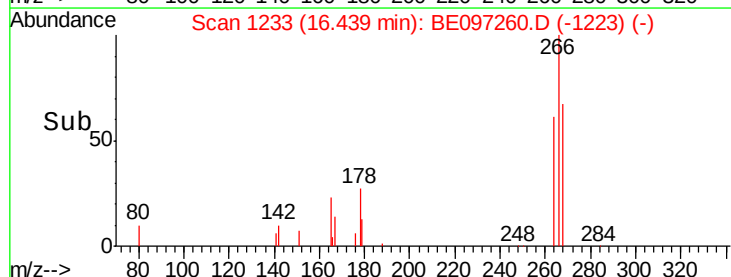
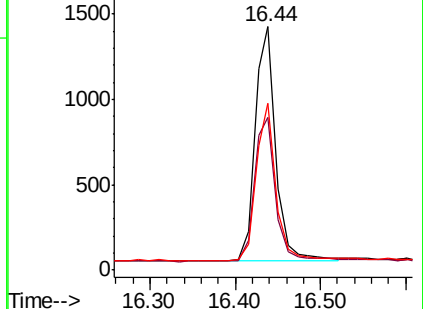
268 68.5 73.8 110.6#

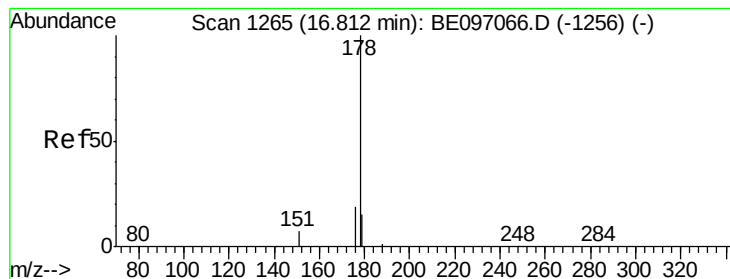


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 3.585 ng

RT: 16.81 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

Instrument :

BNA_E

ClientSampleId :

MW-103SMSD

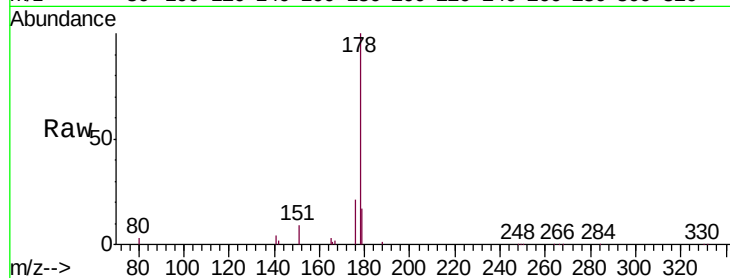
Tgt Ion:178 Resp: 78589

Ion Ratio Lower Upper

178 100

176 20.0 15.1 22.7

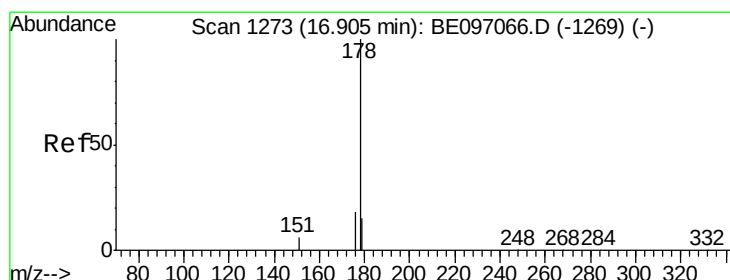
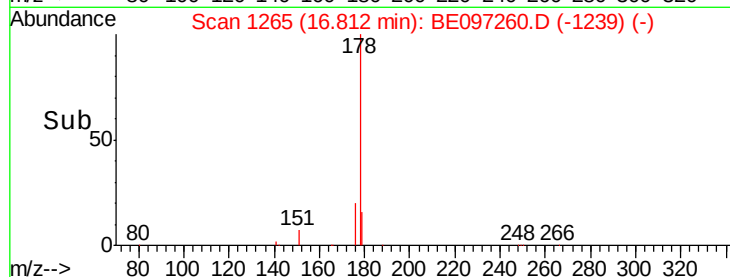
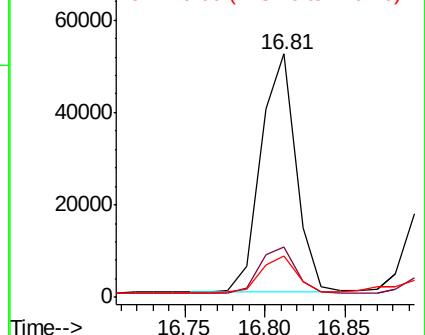
179 16.1 11.8 17.6



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: 1.369 ng

RT: 16.89 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

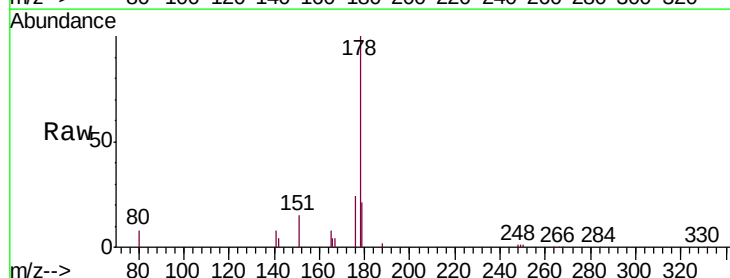
Tgt Ion:178 Resp: 26836

Ion Ratio Lower Upper

178 100

176 20.8 12.8 19.2#

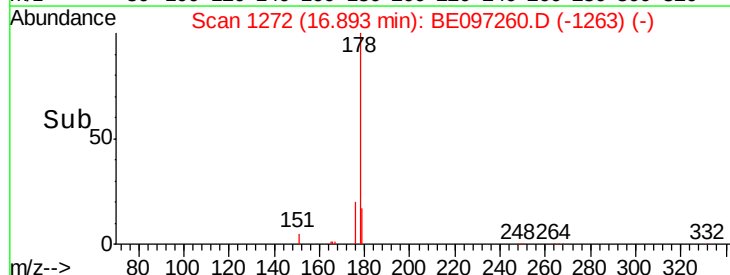
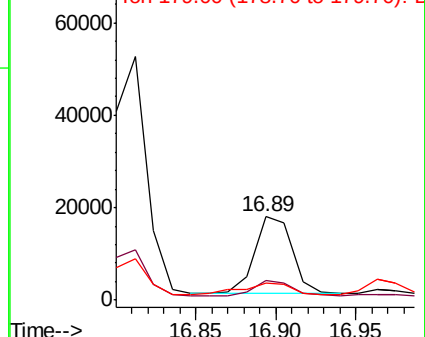
179 20.8 13.0 19.6#

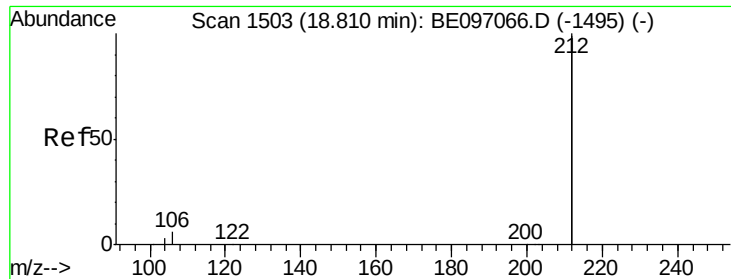


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.461 ng

RT: 18.81 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

Instrument :

BNA_E

ClientSampleId :

MW-103SMSD

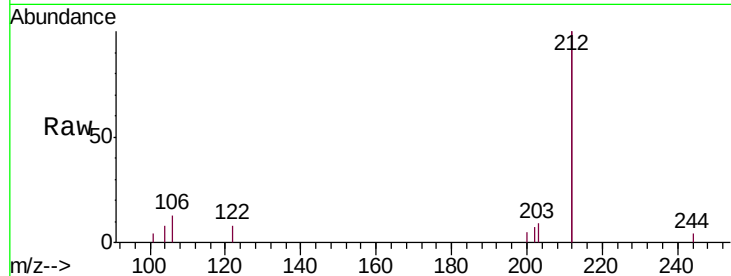
Tgt Ion:212 Resp: 42391

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

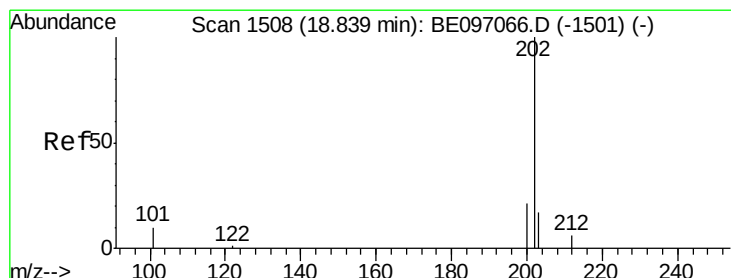
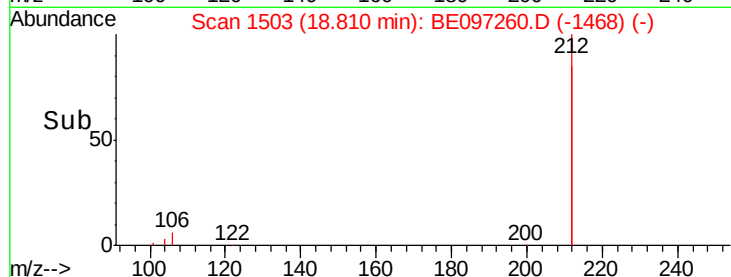
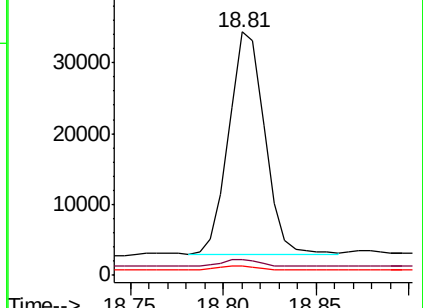
104 2.0 1.6 2.4



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: 4.664 ng

RT: 18.84 min Scan# 1509

Delta R.T. 0.01 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

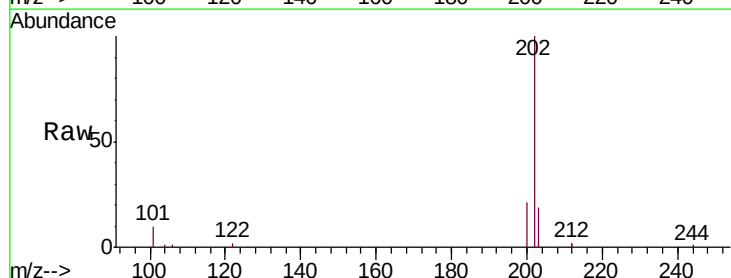
Tgt Ion:202 Resp: 114709

Ion Ratio Lower Upper

202 100

101 10.6 9.8 14.8

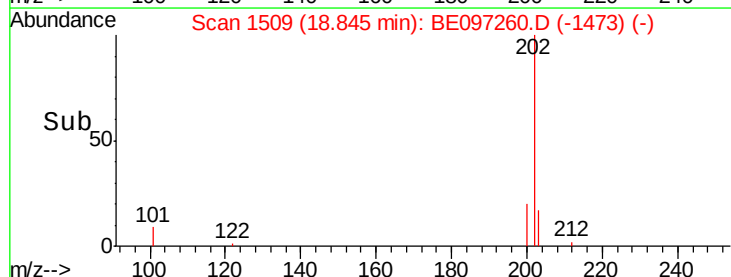
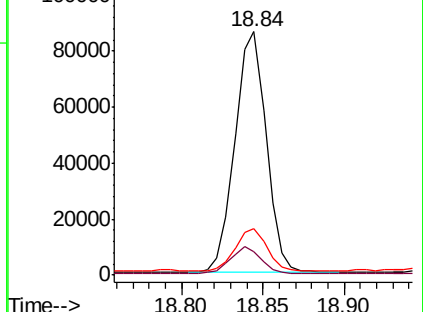
203 17.6 13.7 20.5

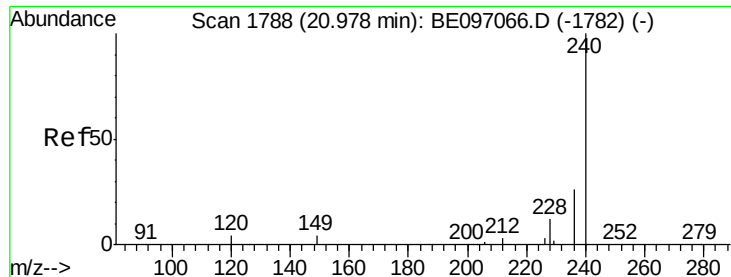


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE097260.D

Acq: 10 Aug 2018 13:26

Instrument :

BNA_E

ClientSampleId :

MW-103SMSD

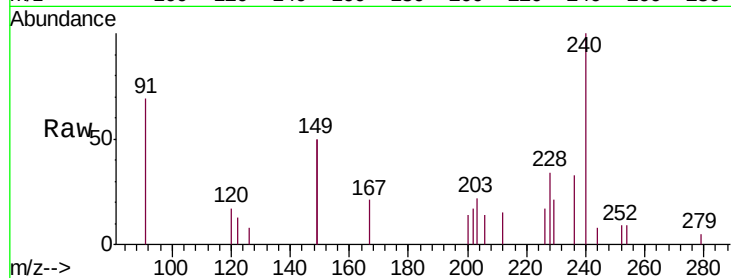
Tgt Ion:240 Resp: 10100

Ion Ratio Lower Upper

240 100

120 17.2 5.5 8.3#

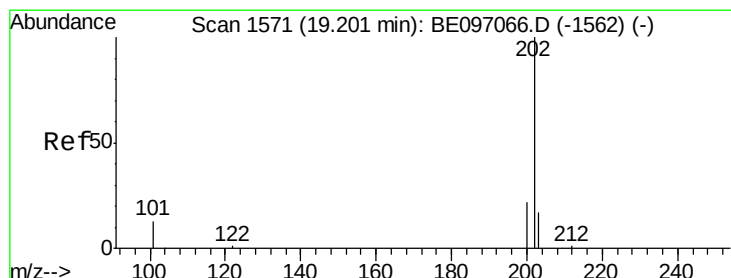
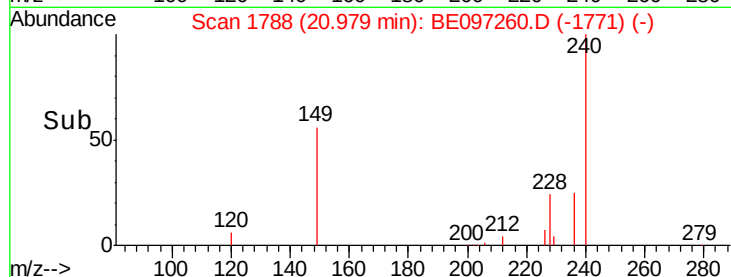
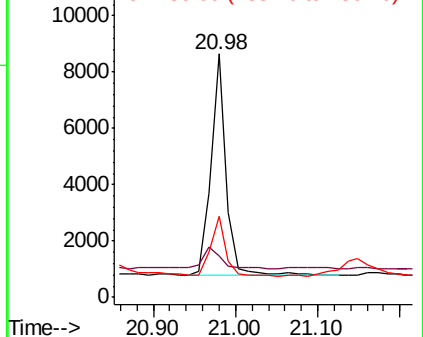
236 33.1 20.7 31.1#



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: 2.855 ng

RT: 19.21 min Scan# 1572

Delta R.T. 0.01 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

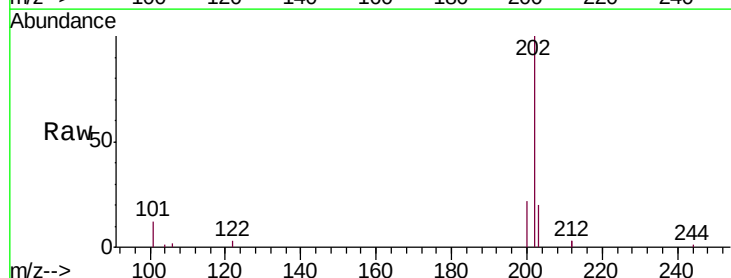
Tgt Ion:202 Resp: 79101

Ion Ratio Lower Upper

202 100

200 21.5 16.6 25.0

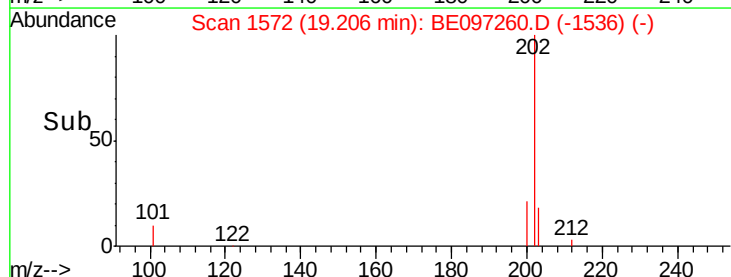
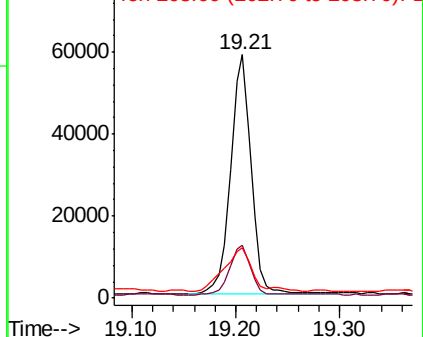
203 24.4 13.8 20.8#

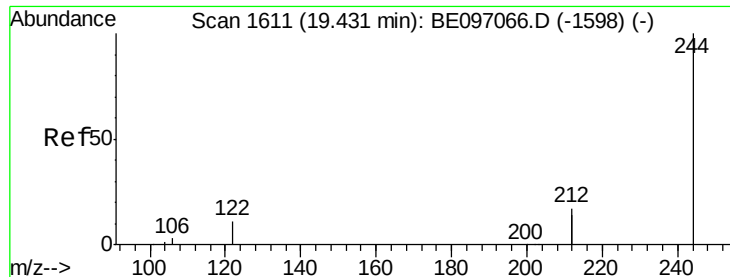


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.480 ng

RT: 19.43 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

Instrument :

BNA_E

ClientSampleId :

MW-103SMSD

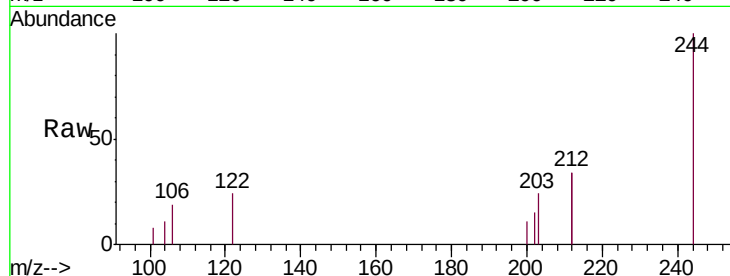
Tgt Ion:244 Resp: 9311

Ion Ratio Lower Upper

244 100

212 68.1 25.4 38.0#

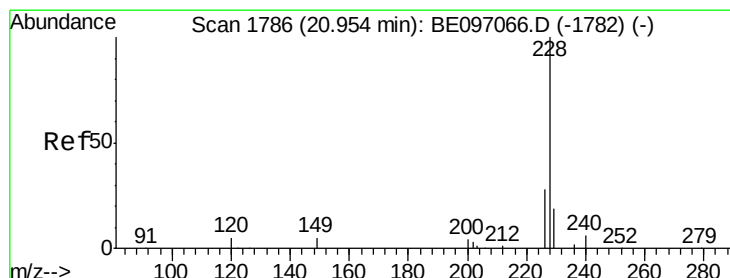
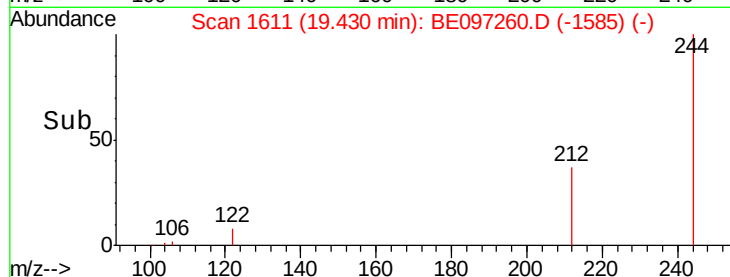
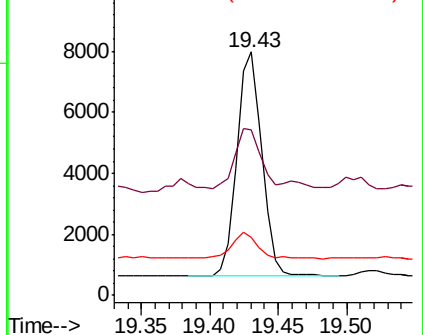
122 23.8 8.1 12.1#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.759 ng

RT: 20.97 min Scan# 1787

Delta R.T. 0.01 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

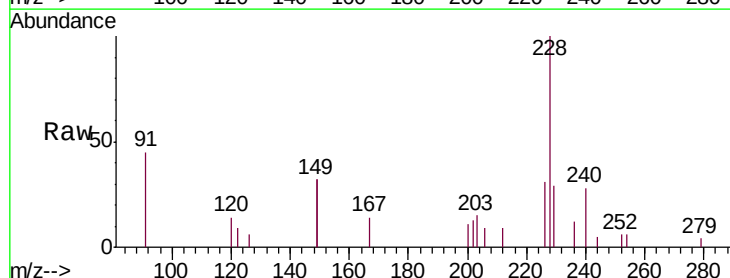
Tgt Ion:228 Resp: 19077

Ion Ratio Lower Upper

228 100

226 31.2 24.0 36.0

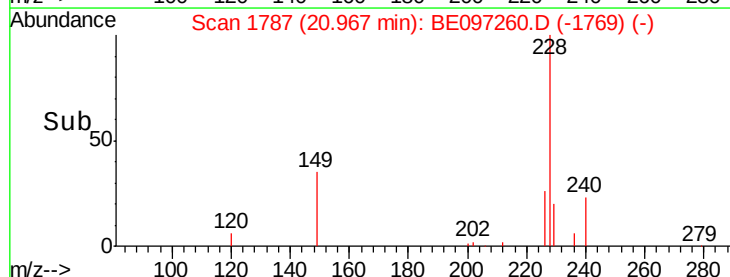
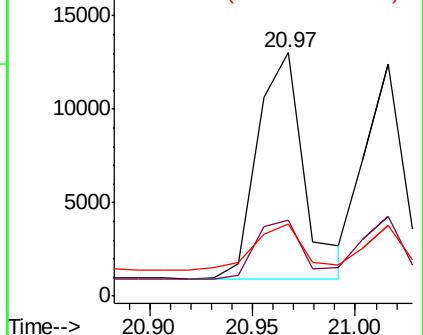
229 29.4 16.0 24.0#

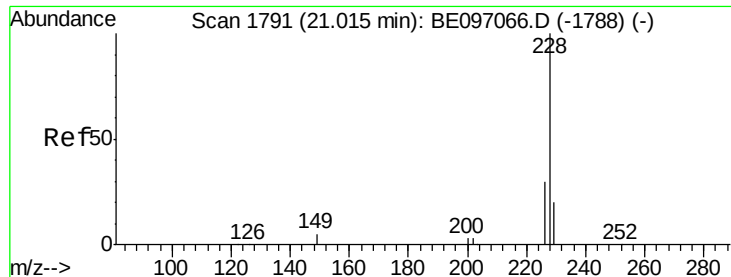


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.563 ng

RT: 21.02 min Scan# 1791

Delta R.T. 0.01 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

Instrument :

BNA_E

ClientSampleId :

MW-103MSMSD

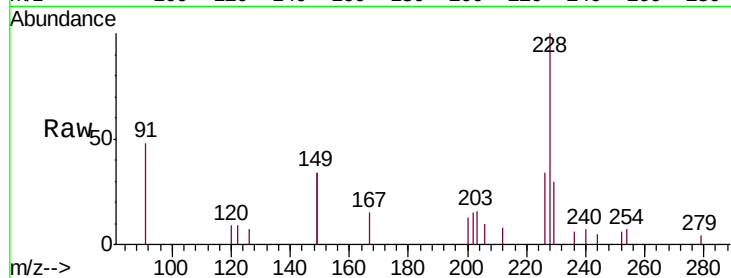
Tgt Ion:228 Resp: 15177

Ion Ratio Lower Upper

228 100

226 34.5 24.0 36.0

229 30.2 16.0 24.0#

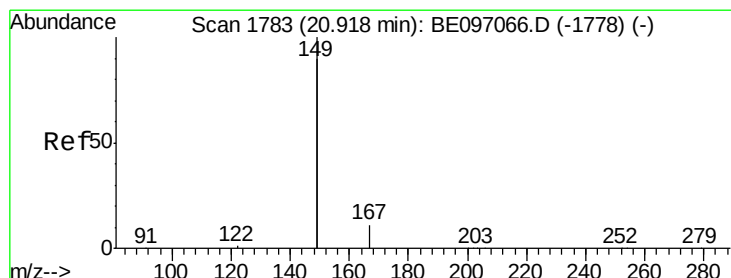
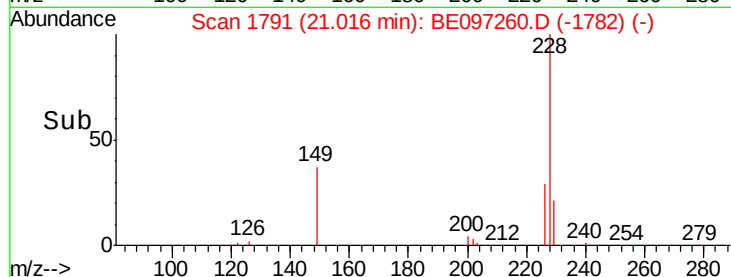
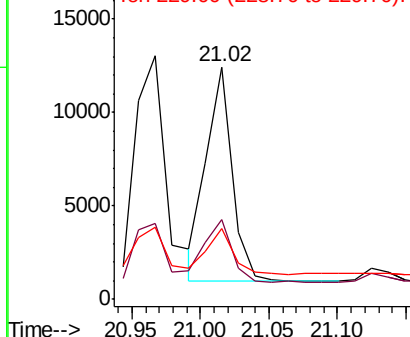


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 2.827 ng

RT: 20.92 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

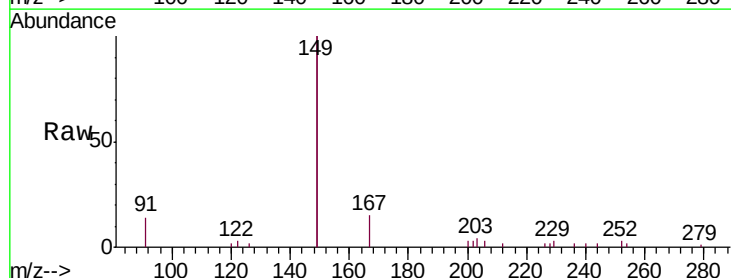
Tgt Ion:149 Resp: 107649

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.0

279 1.2 0.7 1.1#

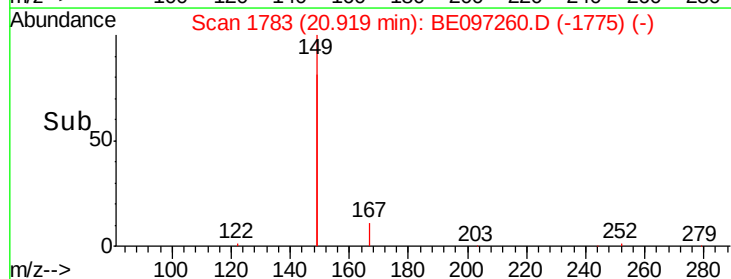
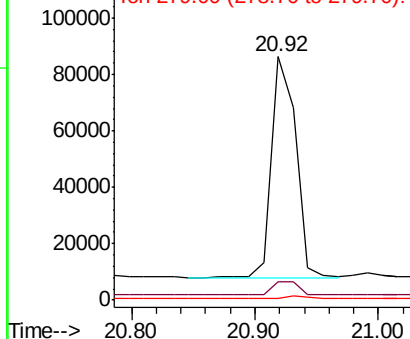


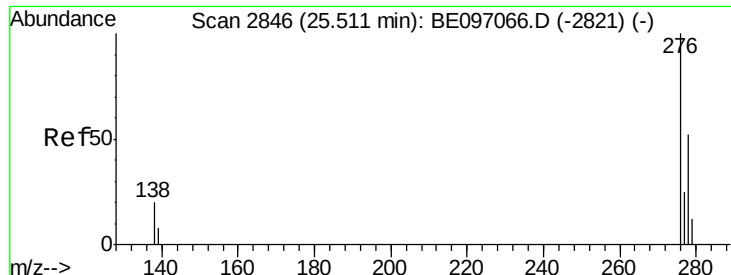
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.478 ng

RT: 25.52 min Scan# 2849

Delta R.T. 0.02 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

Instrument :

BNA_E

ClientSampleId :

MW-103SMSD

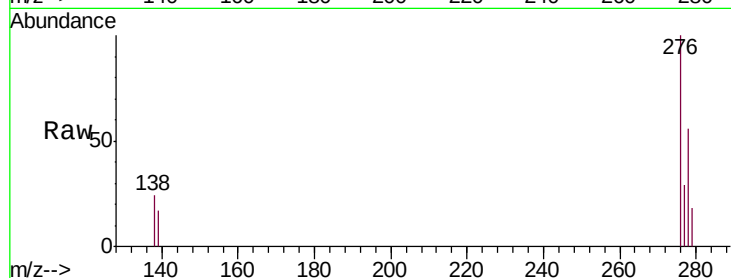
Tgt Ion:276 Resp: 11657

Ion Ratio Lower Upper

276 100

138 20.8 22.5 33.7#

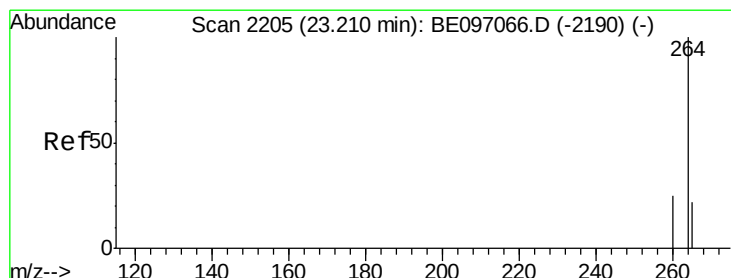
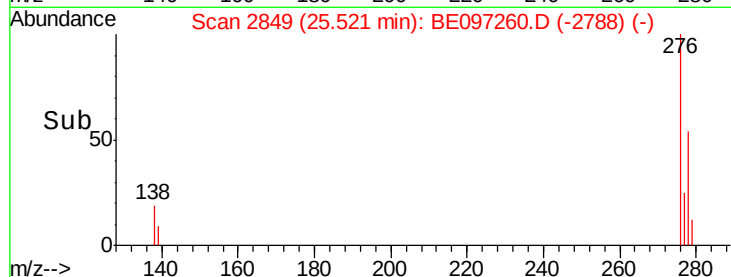
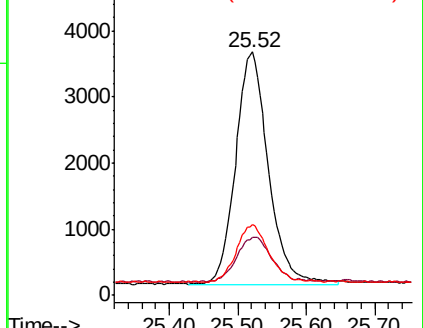
277 24.8 19.9 29.9



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# 2208

Delta R.T. 0.01 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

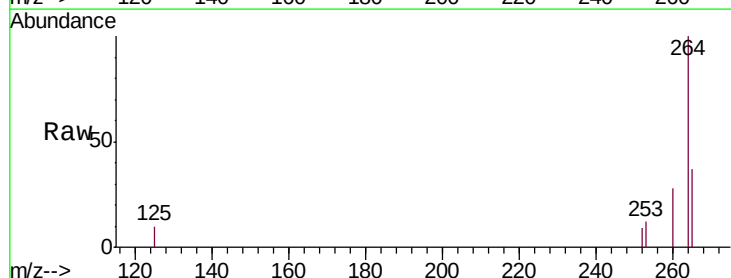
Tgt Ion:264 Resp: 9530

Ion Ratio Lower Upper

264 100

260 28.2 20.5 30.7

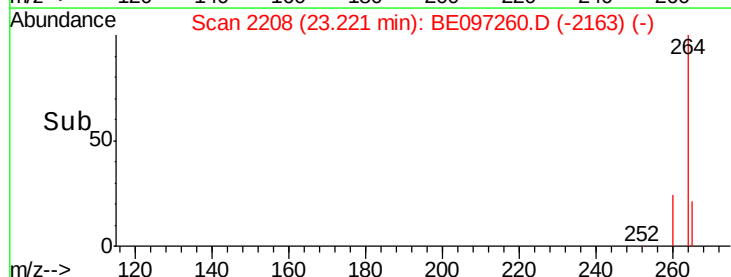
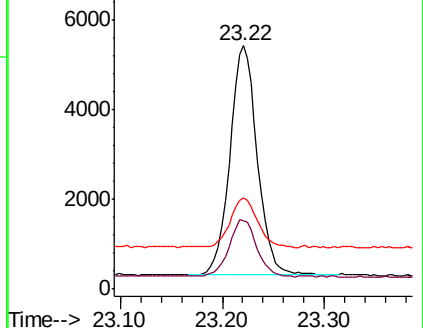
265 37.2 22.8 34.2#

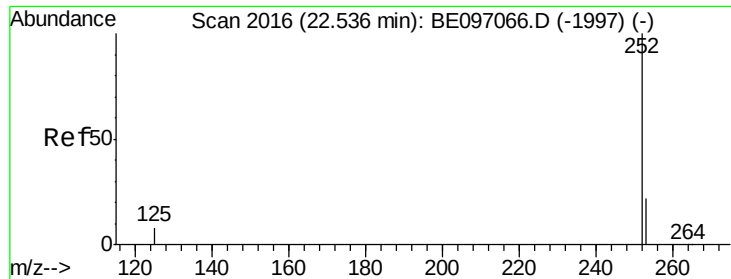


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.449 ng

RT: 22.54 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

Instrument :

BNA_E

ClientSampleId :

MW-103SMSD

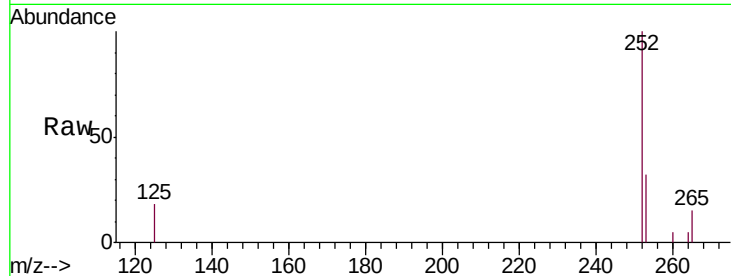
Tgt Ion:252 Resp: 10862

Ion Ratio Lower Upper

252 100

253 31.9 20.0 30.0#

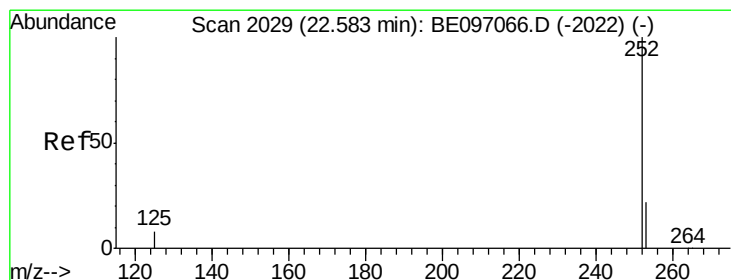
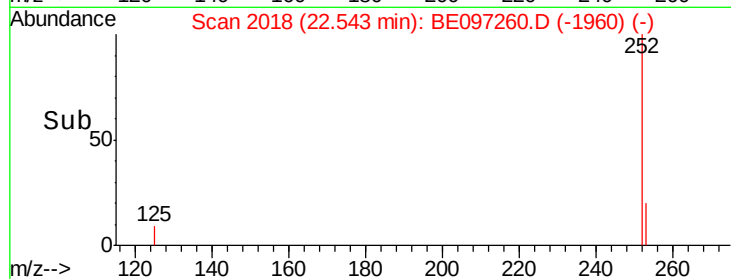
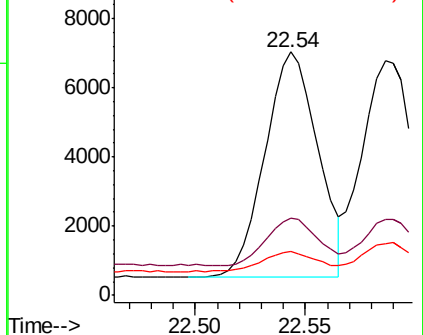
125 17.8 16.0 24.0



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: 0.373 ng

RT: 22.59 min Scan# 2030

Delta R.T. 0.01 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

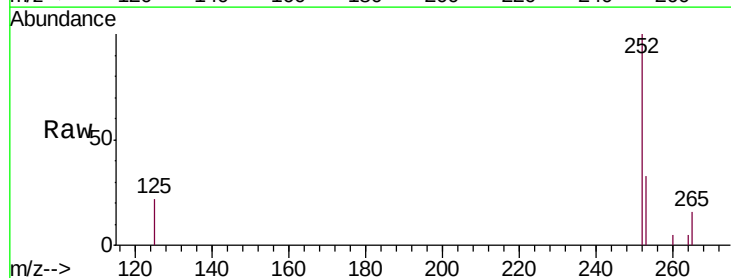
Tgt Ion:252 Resp: 10543

Ion Ratio Lower Upper

252 100

253 32.5 16.0 24.0#

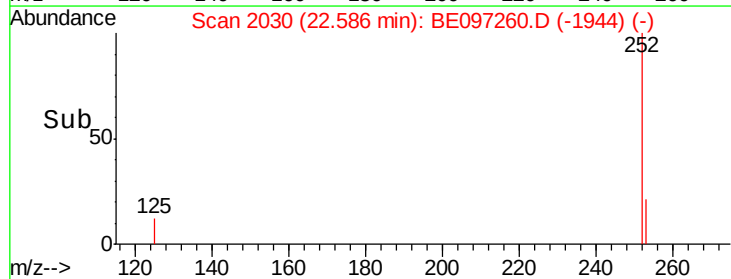
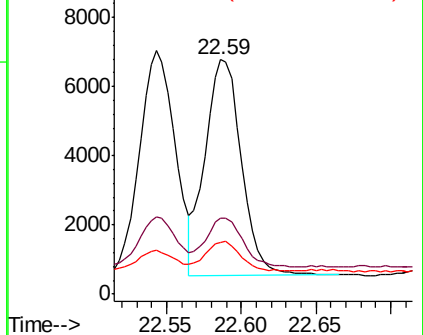
125 22.1 8.0 12.0#

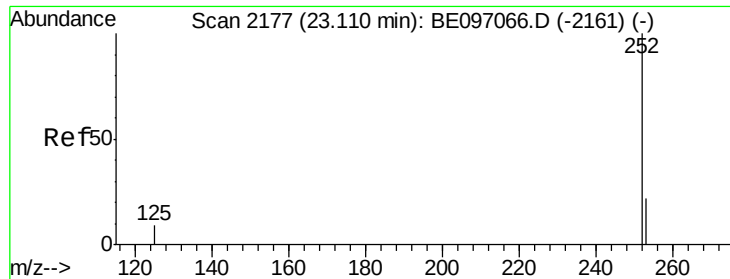


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.451 ng

RT: 23.12 min Scan# 2180

Delta R.T. 0.01 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

Instrument :

BNA_E

ClientSampleId :

MW-103SMSD

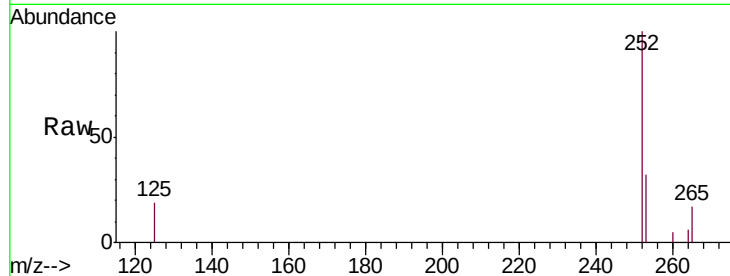
Tgt Ion:252 Resp: 10251

Ion Ratio Lower Upper

252 100

253 31.9 16.0 24.0#

125 18.6 12.0 18.0#

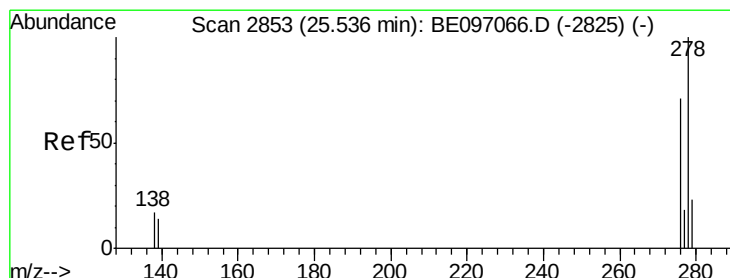
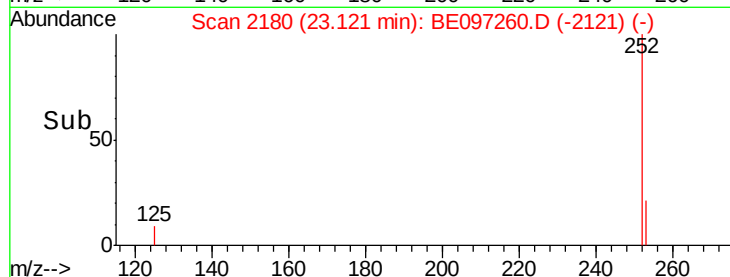
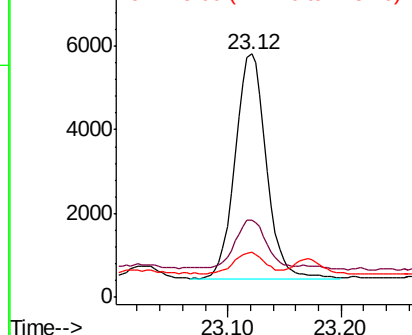


Abundance

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: 0.417 ng

RT: 25.54 min Scan# 2854

Delta R.T. 0.01 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

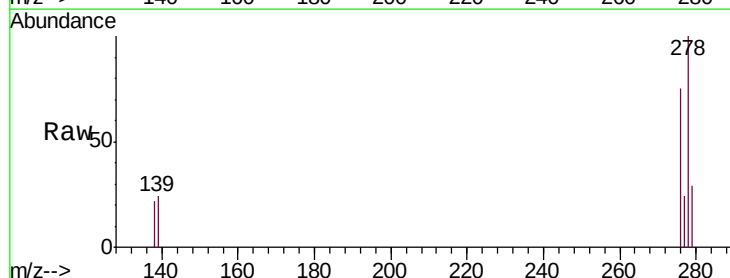
Tgt Ion:278 Resp: 9466

Ion Ratio Lower Upper

278 100

139 24.0 16.0 24.0

279 28.9 20.0 30.0

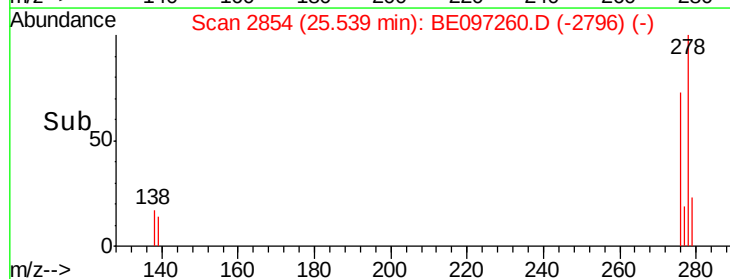
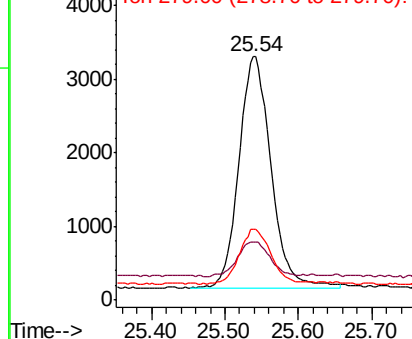


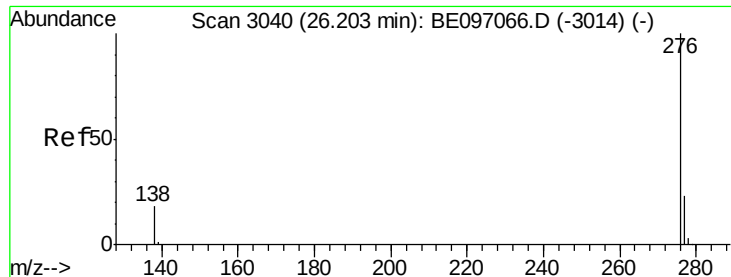
Abundance

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: 0.405 ng

RT: 26.22 min Scan# 3045

Delta R.T. 0.02 min

Lab File: BE097260.D

Acq: 10 Aug 2018 13:26

Instrument :

BNA_E

ClientSampleId :

MW-103SMSD

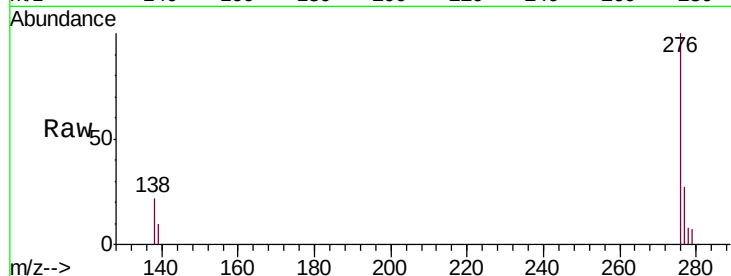
Tgt Ion: 276 Resp: 9761

Ion Ratio Lower Upper

276 100

277 27.4 16.0 24.0#

138 22.3 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

