

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072318\
 Data File : BE097041.D
 Acq On : 23 Jul 2018 17:50
 Operator : SJ/JU
 Sample : J4048-03MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YT-MW-7MSD

Quant Time: Jul 24 05:27:19 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 11:34:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1559	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	7047	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	4406	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	11749	0.40	ng	0.00
27) Chrysene-d12	20.98	240	14553	0.40	ng	0.00
34) Perylene-d12	23.21	264	13615	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	962	0.26	ng	0.01
5) Phenol-d6	6.60	99	817	0.14	ng	0.00
8) Nitrobenzene-d5	8.52	82	2791	0.54	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	5203	0.51	ng	0.00
14) 2,4,6-Tribromophenol	15.52	330	915	0.82	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	7738	0.47	ng	0.00
25) Fluoranthene-d10	18.81	212	66979	0.66	ng	0.00
29) Terphenyl-d14	19.43	244	14652	0.52	ng	0.00

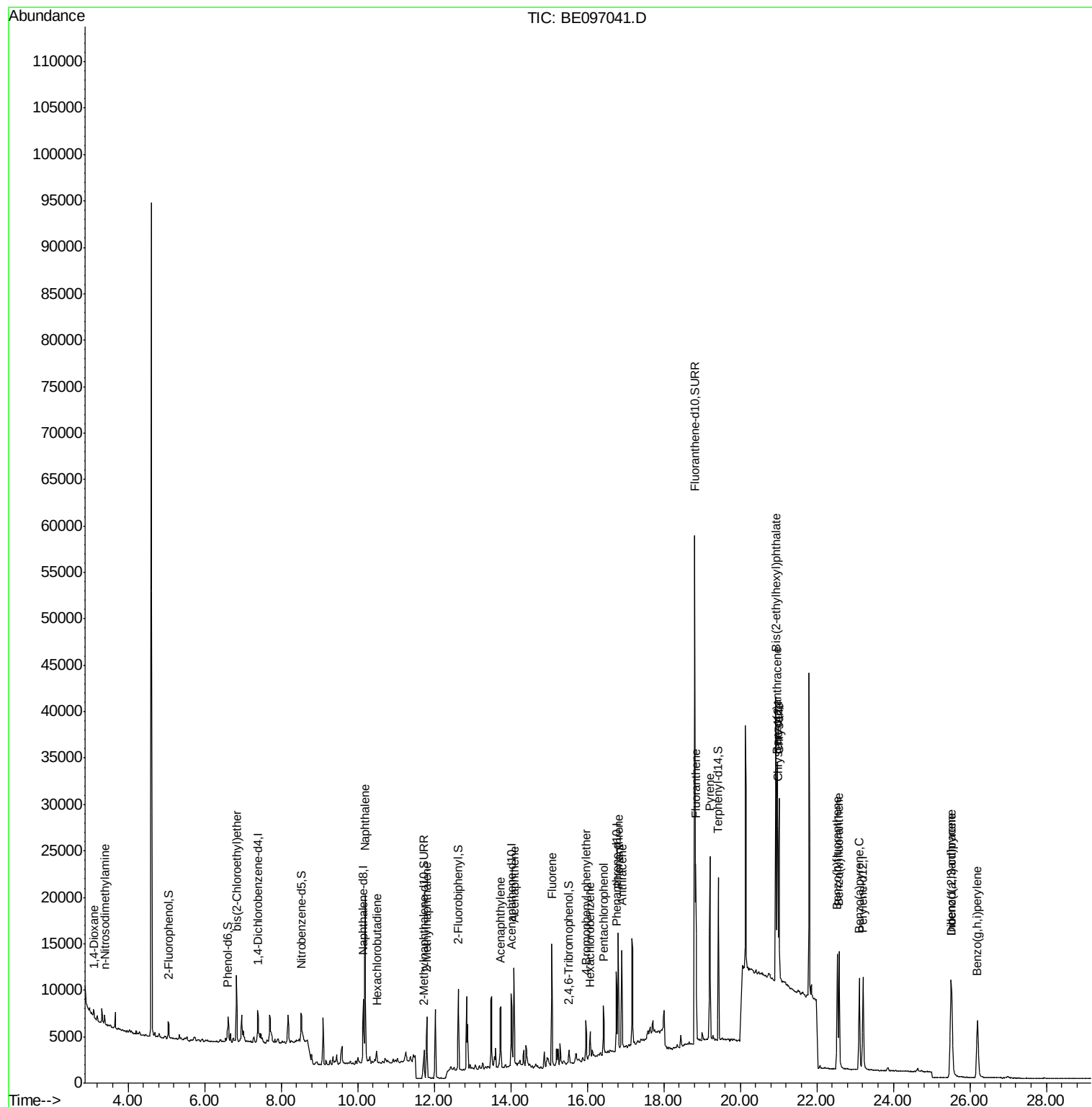
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.11	88	424	0.190	ng	# 23
3) n-Nitrosodimethylamine	3.38	42	532	0.212	ng	# 93
6) bis(2-Chloroethyl)ether	6.84	93	2209	0.396	ng	99
9) Naphthalene	10.20	128	27710	0.439	ng	100
10) Hexachlorobutadiene	10.50	225	1047	0.411	ng	96
12) 2-Methylnaphthalene	11.80	142	4668	0.436	ng	98
16) Acenaphthylene	13.73	152	7565	0.376	ng	96
17) Acenaphthene	14.08	154	5334	0.426	ng	96
18) Fluorene	15.07	166	7922	0.564	ng	# 79
20) 4-Bromophenyl-phenylether	15.97	248	2089	0.376	ng	# 75
21) Hexachlorobenzene	16.08	284	2006	0.325	ng	# 74
22) Pentachlorophenol	16.43	266	2542	1.692	ng	# 70
23) Phenanthrene	16.81	178	12579	0.447	ng	96
24) Anthracene	16.90	178	12337	0.504	ng	# 94
26) Fluoranthene	18.84	202	17204	0.580	ng	99
28) Pyrene	19.21	202	18205	0.424	ng	99
30) Benzo(a)anthracene	20.95	228	18350	0.530	ng	99
31) Chrysene	21.01	228	16808	0.432	ng	98
32) Bis(2-ethylhexyl)phthalate	20.93	149	36920	1.067	ng	100
33) Indeno(1,2,3-cd)pyrene	25.51	276	16097	0.568	ng	# 94
35) Benzo(b)fluoranthene	22.54	252	15639	0.450	ng	# 91
36) Benzo(k)fluoranthene	22.58	252	16645	0.403	ng	92
37) Benzo(a)pyrene	23.11	252	14750	0.474	ng	# 92
38) Dibenzo(a,h)anthracene	25.52	278	13198	0.506	ng	97
39) Benzo(g,h,i)perylene	26.20	276	13761	0.487	ng	# 90

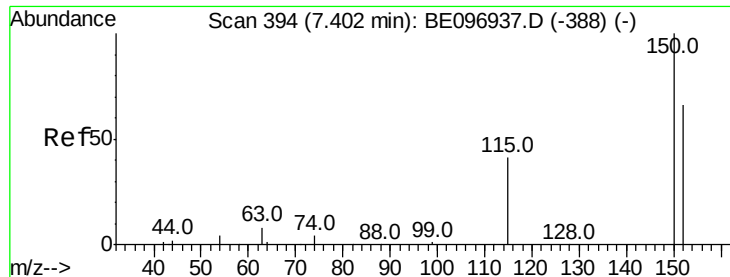
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE097041.D

Acq: 23 Jul 2018 17:50

Instrument :

BNA_E

ClientSampleId :

YT-MW-7MSD

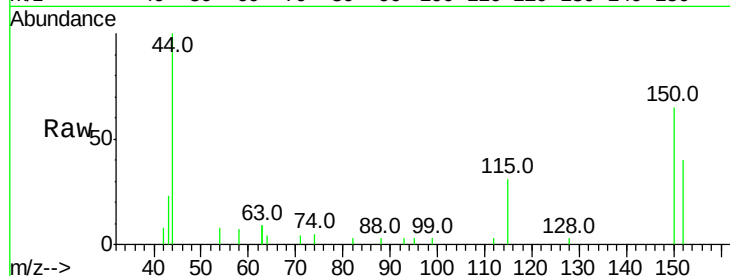
Tot Ion:152 Resp: 1559

Ion Ratio Lower Upper

152 100

150 160.8 117.2 175.8

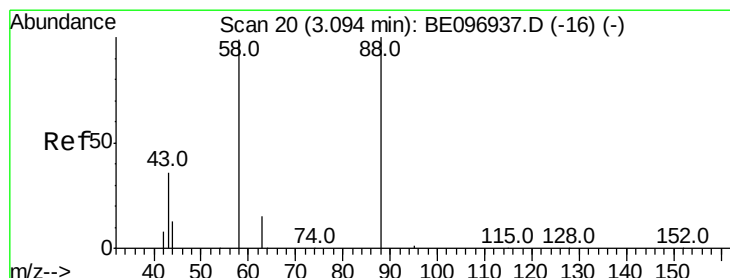
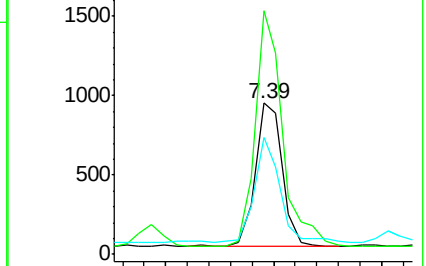
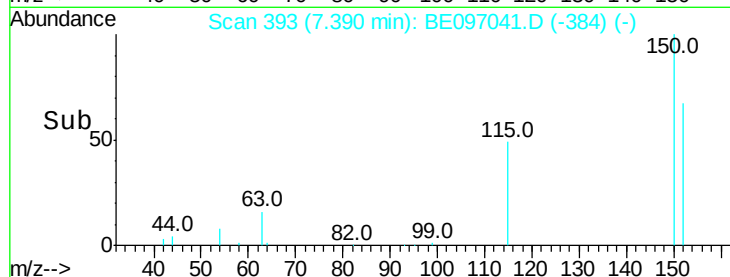
115 77.1 57.0 85.6



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: 0.190 ng

RT: 3.11 min Scan# 21

Delta R.T. 0.01 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

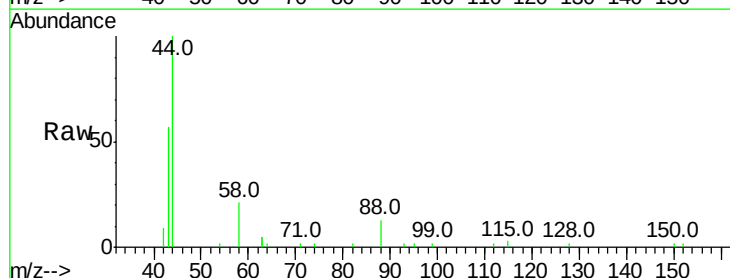
Tgt Ion: 88 Resp: 424

Ion Ratio Lower Upper

88 100

58 93.9 63.2 94.8

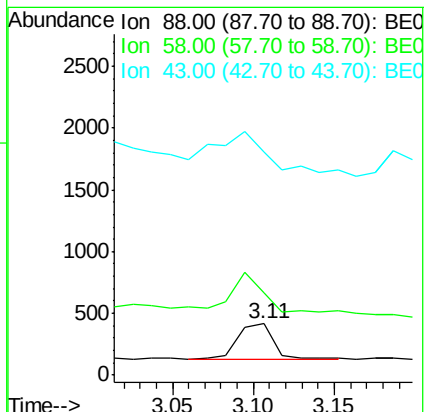
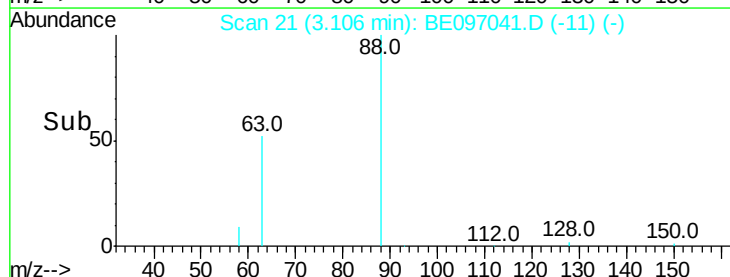
43 168.9 41.2 61.8#

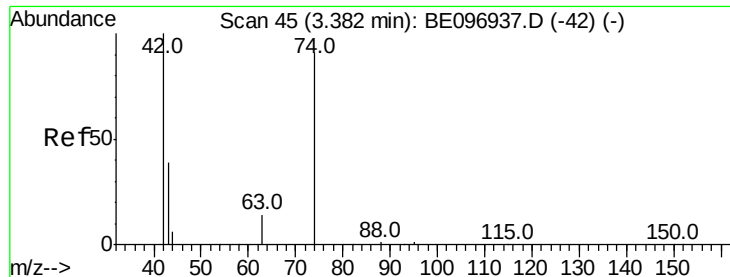


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



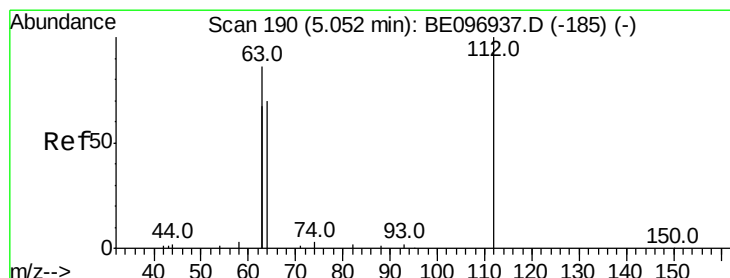
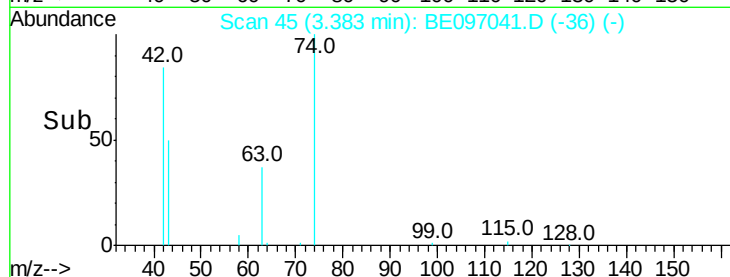
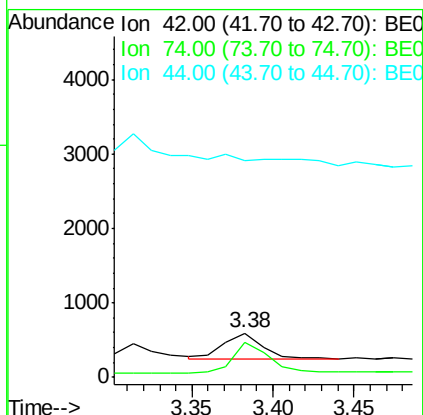
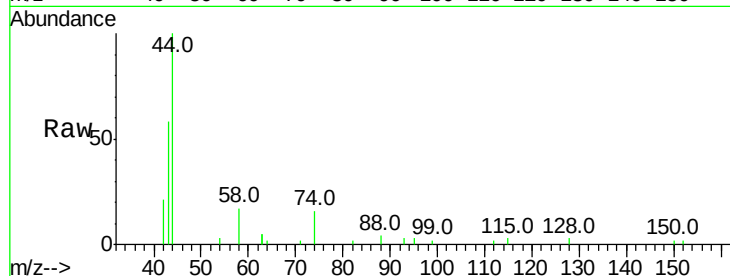


#3

n-Nitrosodimethylamine
Concen: 0.212 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Instrument :
BNA_E
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YT-MW-7MSD

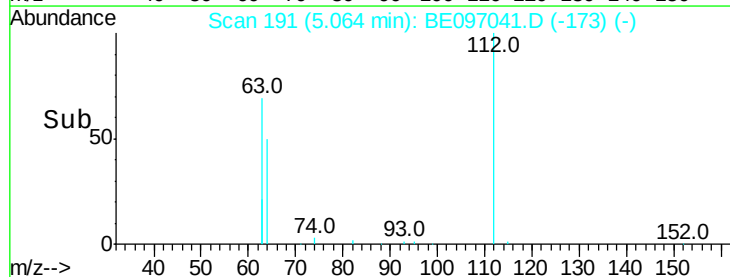
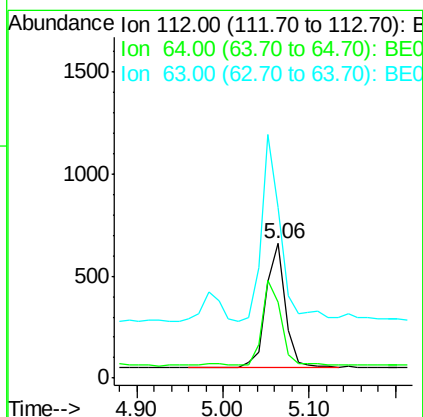
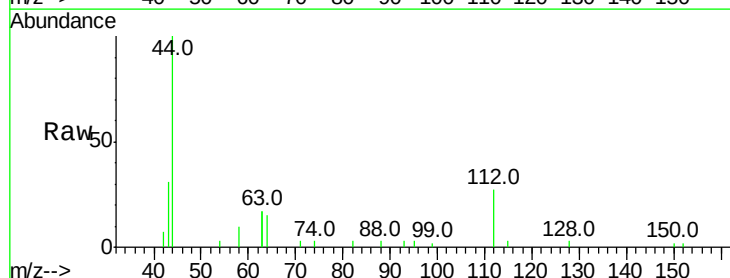
Tot Ion: 42 Resp: 532
Ion Ratio Lower Upper
42 100
74 116.5 96.0 144.0
44 0.0 12.0 18.0#

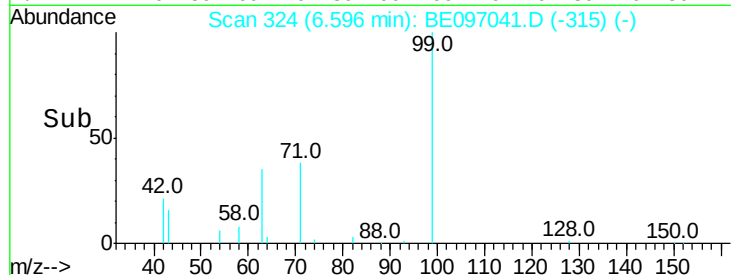
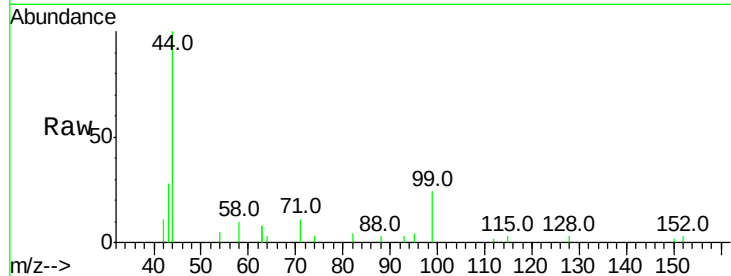
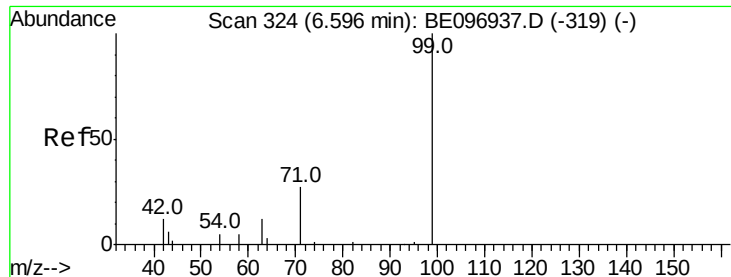


#4

2-Fluorophenol
Concen: 0.258 ng
RT: 5.06 min Scan# 191
Delta R.T. 0.01 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Tgt Ion: 112 Resp: 962
Ion Ratio Lower Upper
112 100
64 66.7 60.1 90.1
63 147.6 116.8 175.2





#5

Phenol-d6

Concen: 0.144 ng

RT: 6.60 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

Instrument :

BNA_E

ClientSampleId :

YT-MW-7MSD

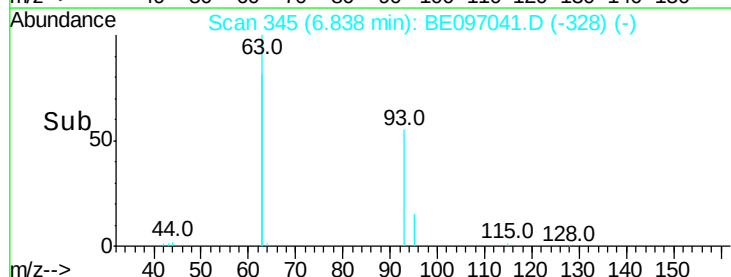
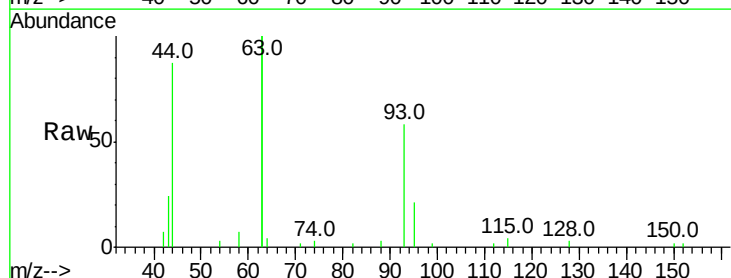
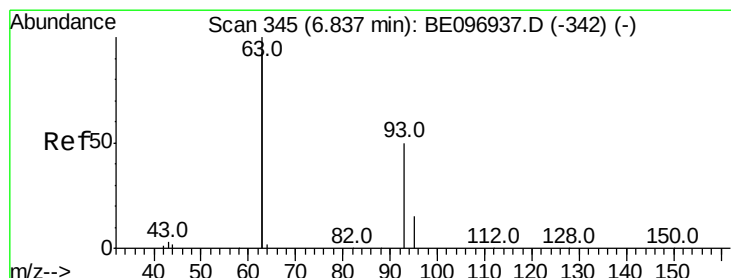
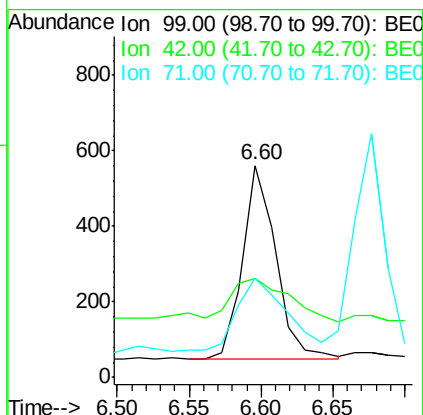
Tot Ion: 99 Resp: 817

Ion Ratio Lower Upper

99 100

42 43.3 20.2 30.2#

71 55.8 28.4 42.6#



#6

bis(2-Chloroethyl)ether

Concen: 0.396 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

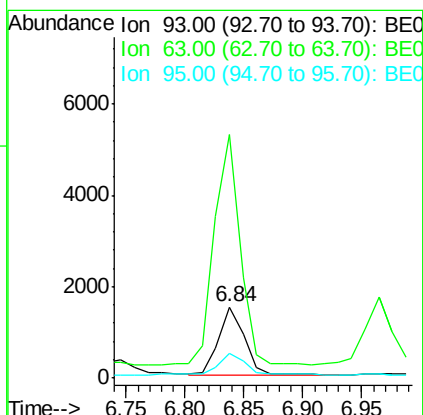
Tgt Ion: 93 Resp: 2209

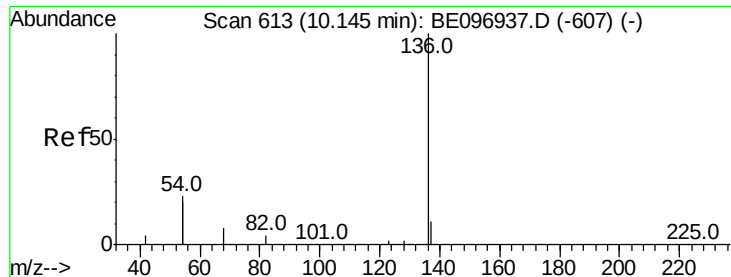
Ion Ratio Lower Upper

93 100

63 345.6 275.3 412.9

95 36.1 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: BE097041.D

Acq: 23 Jul 2018 17:50

Instrument :

BNA_E

ClientSampleId :

YT-MW-7MSD

Tot Ion:136 Resp: 7047

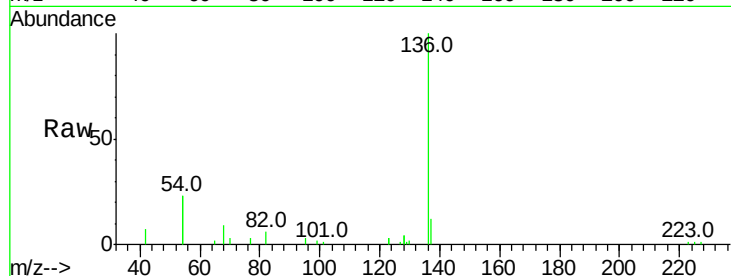
Ion Ratio Lower Upper

136 100

137 11.9 9.5 14.3

54 45.0 29.1 43.7#

68 9.0 6.2 9.2

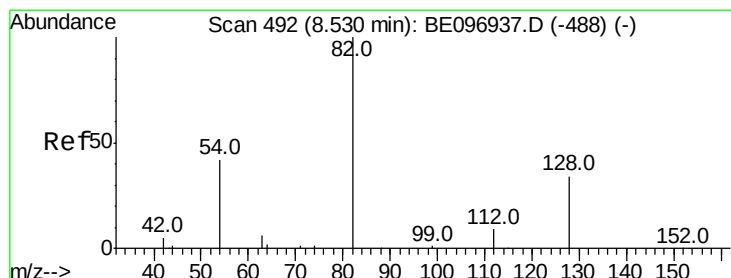
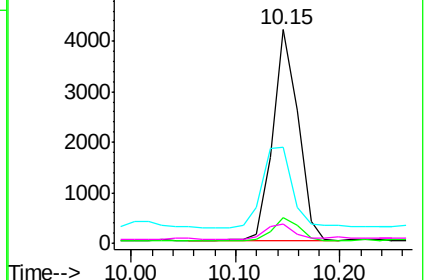
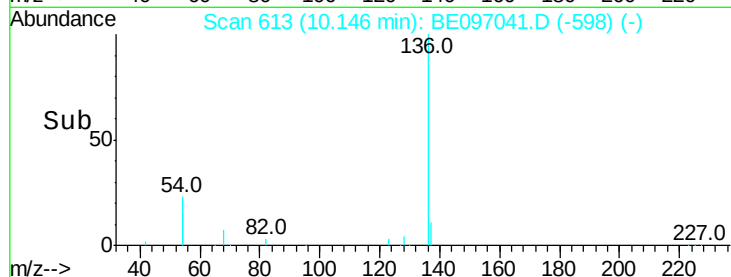


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.543 ng

RT: 8.52 min Scan# 491

Delta R.T. -0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

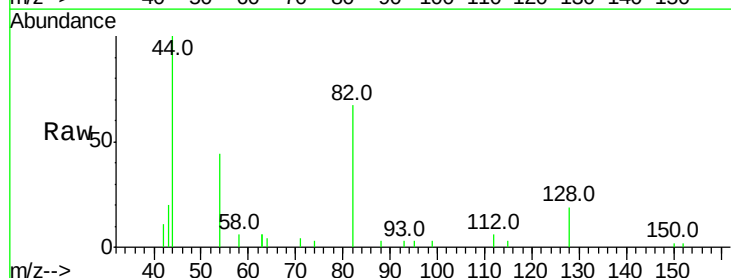
Tgt Ion: 82 Resp: 2791

Ion Ratio Lower Upper

82 100

128 27.8 24.0 36.0

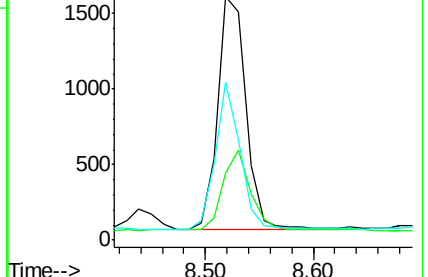
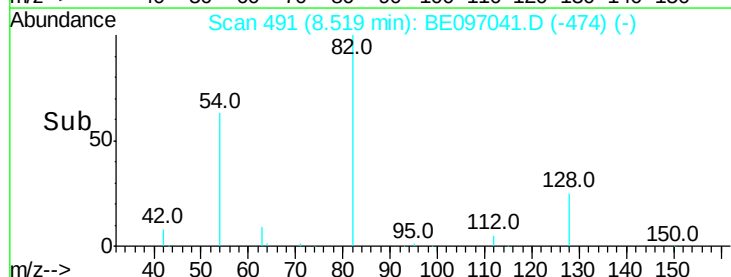
54 65.1 40.0 60.0#

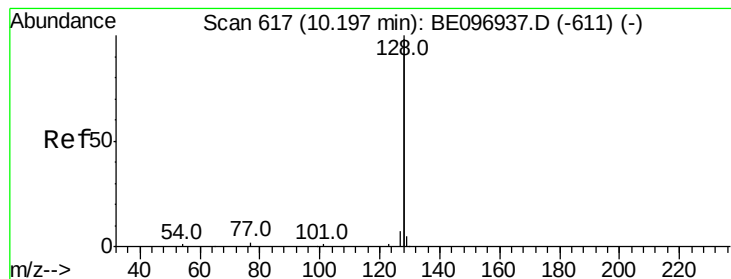


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.439 ng

RT: 10.20 min Scan# 617

Delta R.T. -0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

Instrument :

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ClientSampleId :

YT-MW-7MSD

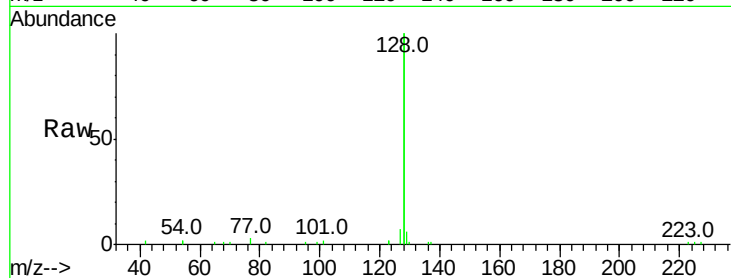
Tot Ion:128 Resp: 27710

Ion Ratio Lower Upper

128 100

129 3.0 2.6 3.8

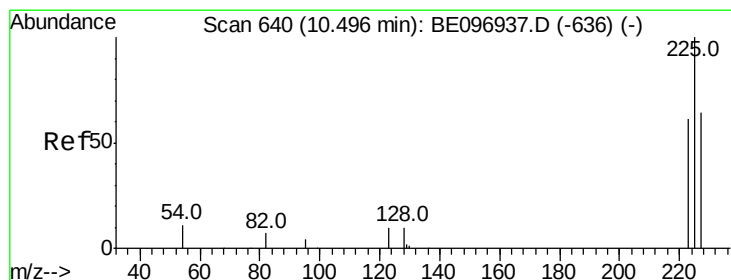
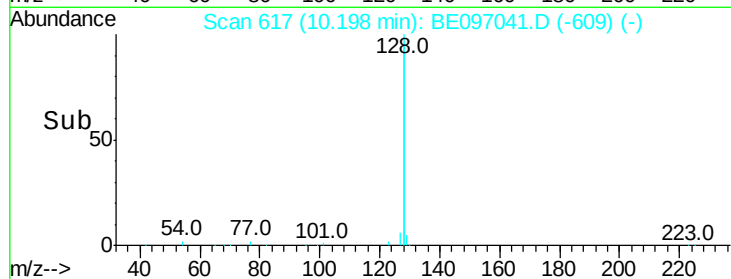
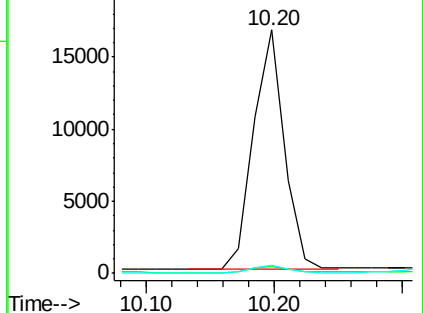
127 3.5 2.8 4.2



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: 0.411 ng

RT: 10.50 min Scan# 640

Delta R.T. 0.01 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

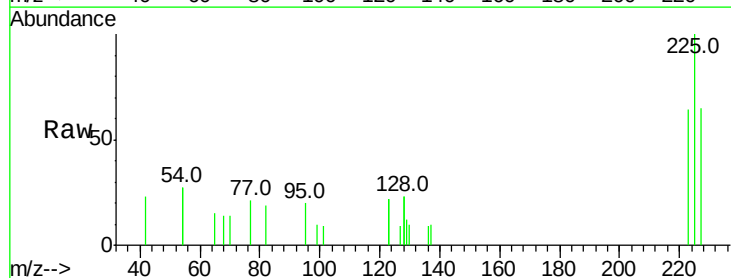
Tgt Ion:225 Resp: 1047

Ion Ratio Lower Upper

225 100

223 62.2 53.0 79.6

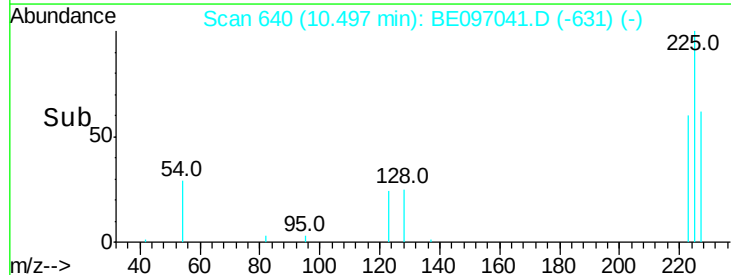
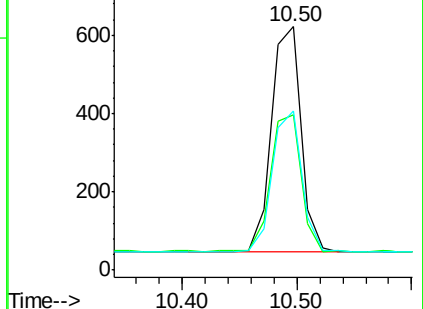
227 62.4 51.4 77.2

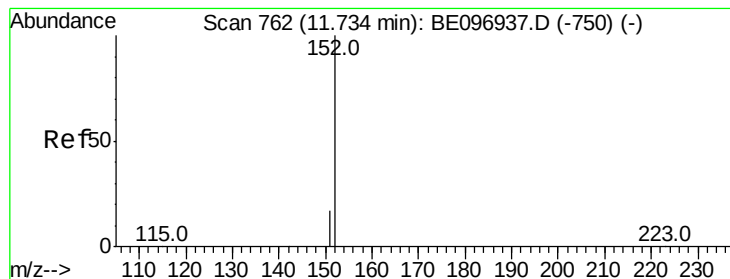


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.507 ng

RT: 11.73 min Scan# 761

Delta R.T. -0.00 min

Lab File: BE097041.D

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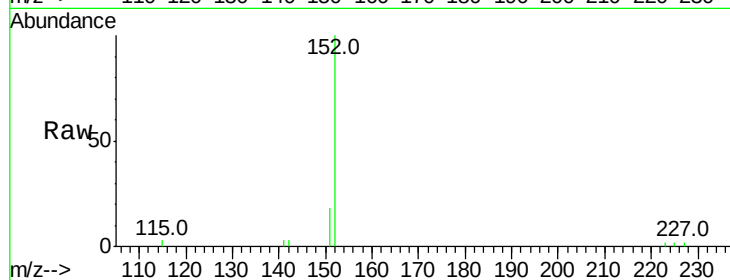
YT-MW-7MSD

Tot Ion:152 Resp: 5203

Ion Ratio Lower Upper

152 100

151 16.4 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.73

3000

2500

2000

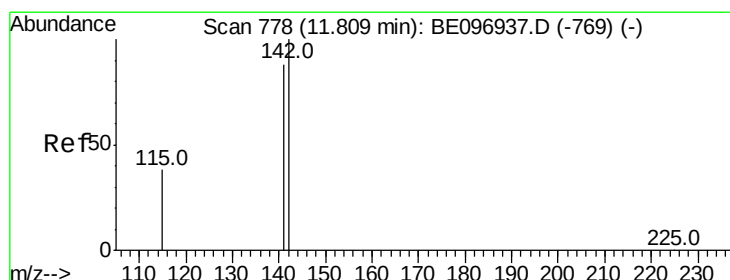
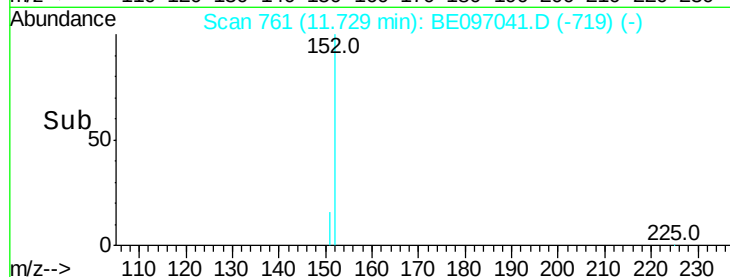
1500

1000

500

0

Time--> 11.60 11.70 11.80



#12

2-Methylnaphthalene

Concen: 0.436 ng

RT: 11.80 min Scan# 777

Delta R.T. -0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

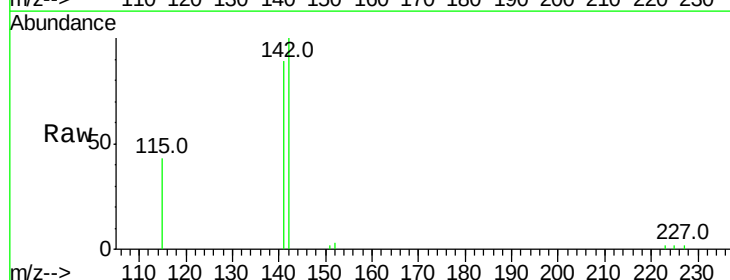
Tgt Ion:142 Resp: 4668

Ion Ratio Lower Upper

142 100

141 89.1 70.4 105.6

115 42.5 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

11.80

4000

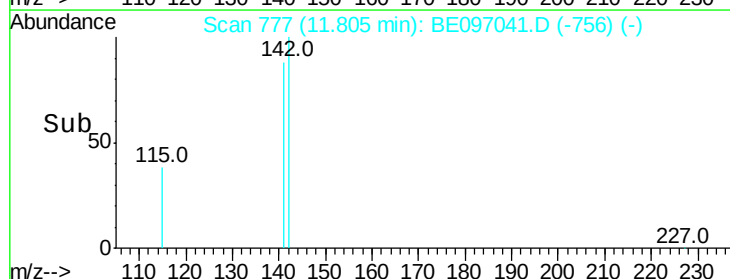
3000

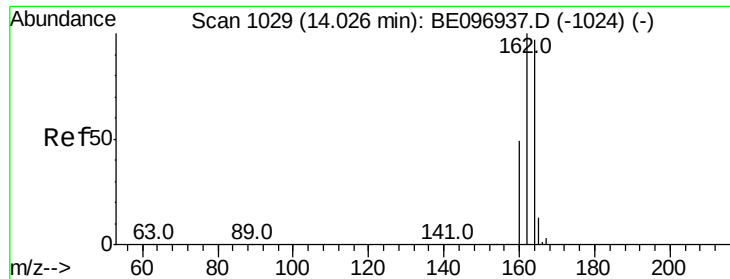
2000

1000

0

Time--> 11.70 11.80 11.90

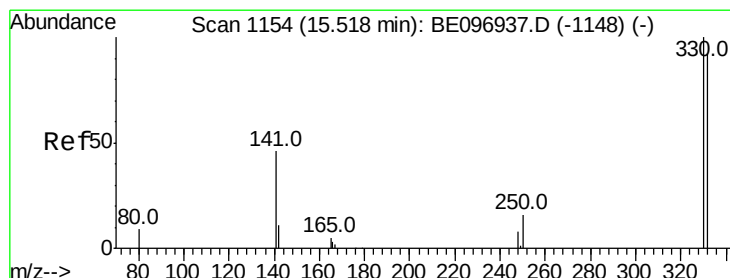
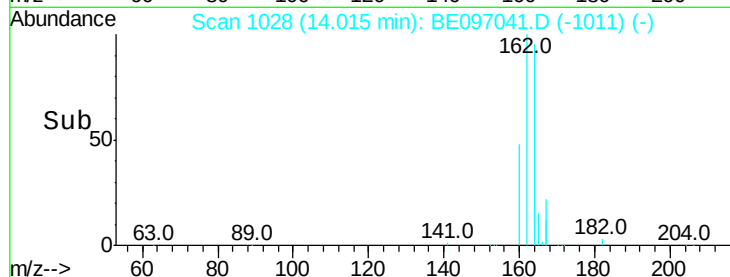
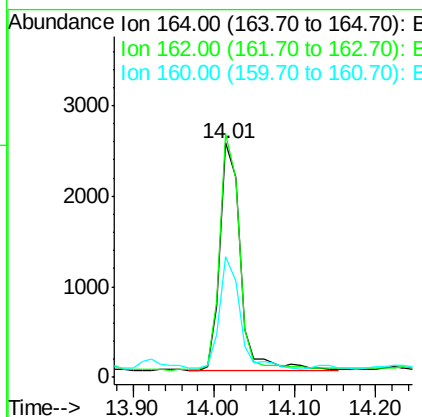
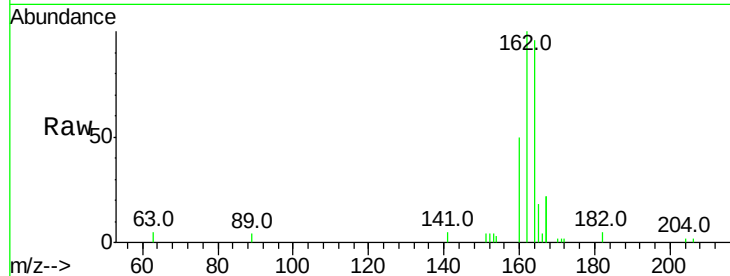




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.01 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BE097041.D
 Acq: 23 Jul 2018 17:50

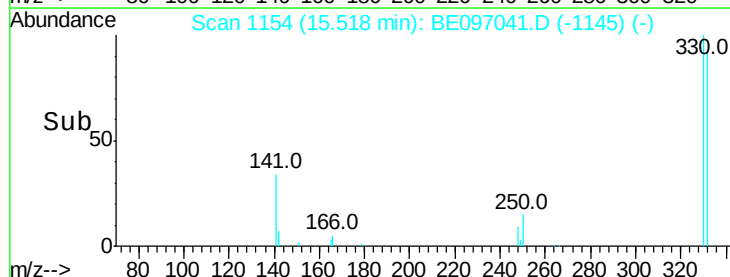
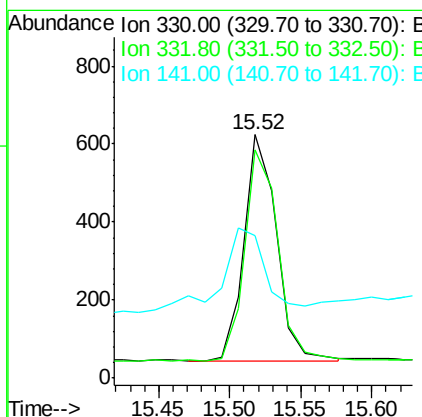
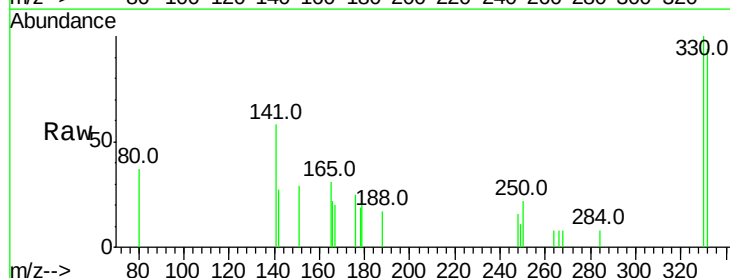
Instrument :
 BNA_E
 ClientSampleId :
 YT-MW-7MSD

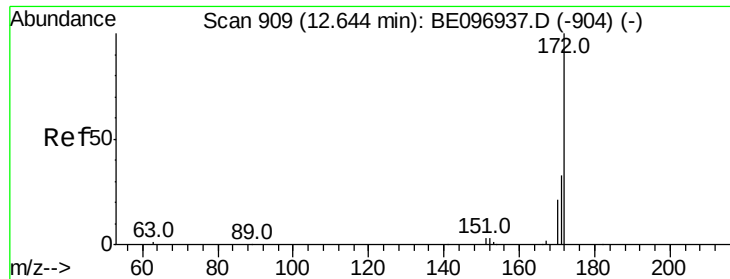
Tot Ion:164 Resp: 4406
 Ion Ratio Lower Upper
 164 100
 162 103.9 83.1 124.7
 160 51.4 37.1 55.7



#14
 2,4,6-Tribromophenol
 Concen: 0.823 ng
 RT: 15.52 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BE097041.D
 Acq: 23 Jul 2018 17:50

Tgt Ion:330 Resp: 915
 Ion Ratio Lower Upper
 330 100
 332 96.1 152.7 229.1#
 141 50.5 33.7 50.5

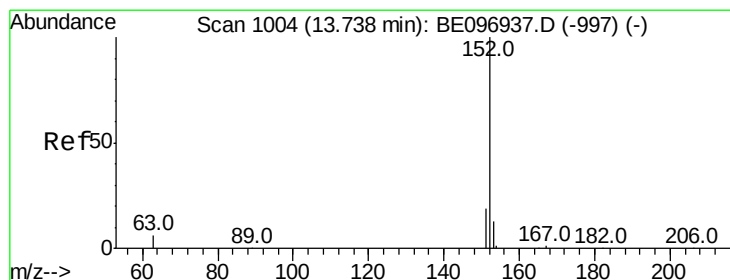
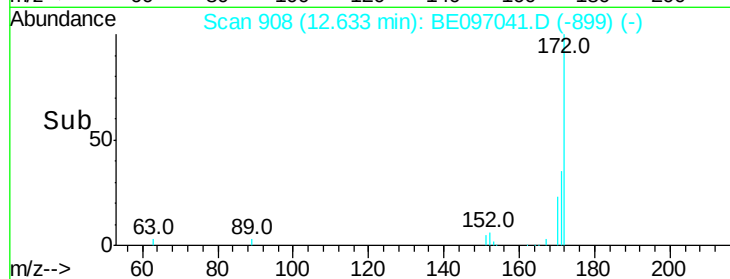
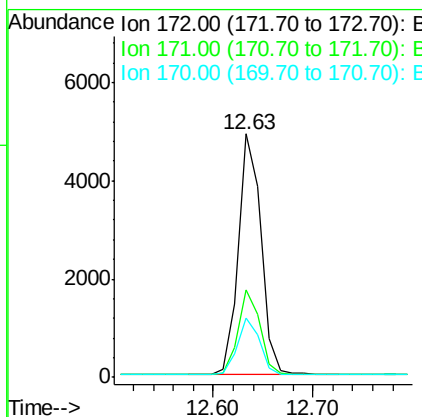
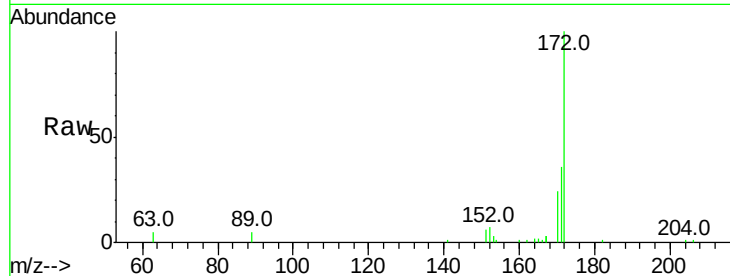




#15
2-Fluorobiphenyl
Concen: 0.472 ng
RT: 12.63 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

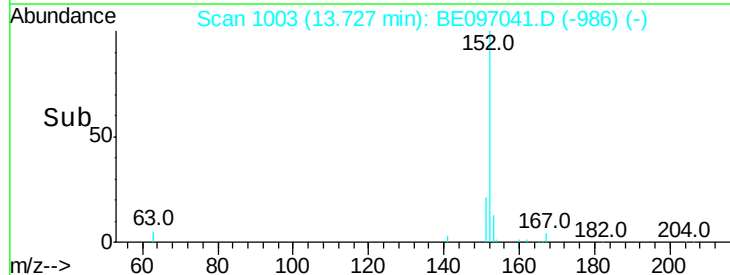
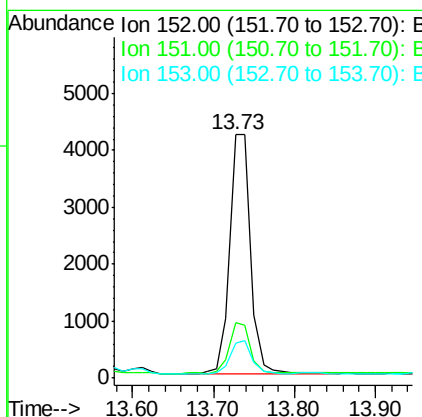
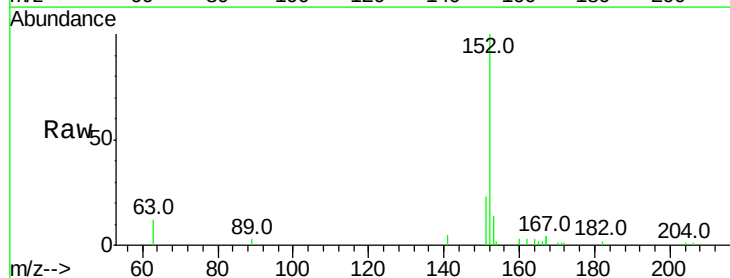
Instrument :
BNA_E
ClientSampleId :
YT-MW-7MSD

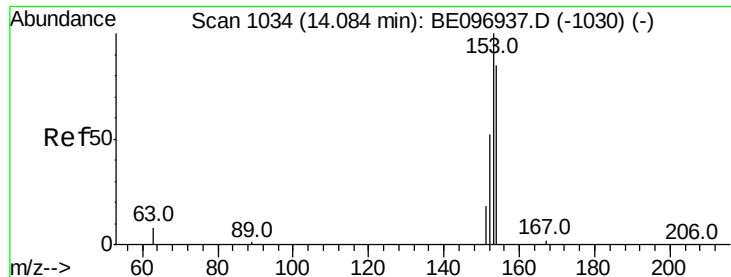
Tot Ion:172 Resp: 7738
Ion Ratio Lower Upper
172 100
171 35.8 29.9 44.9
170 24.4 21.8 32.8



#16
Acenaphthylene
Concen: 0.376 ng
RT: 13.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE097041.D
Acq: 23 Jul 2018 17:50

Tgt Ion:152 Resp: 7565
Ion Ratio Lower Upper
152 100
151 21.5 15.7 23.5
153 14.2 10.5 15.7





#17

Acenaphthene

Concen: 0.426 ng

RT: 14.08 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

Instrument :

BNA_E

ClientSampled :

YT-MW-7MSD

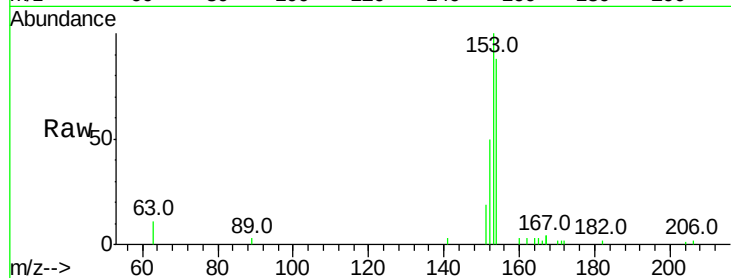
Tot Ion:154 Resp: 5334

Ion Ratio Lower Upper

154 100

153 114.8 89.2 133.8

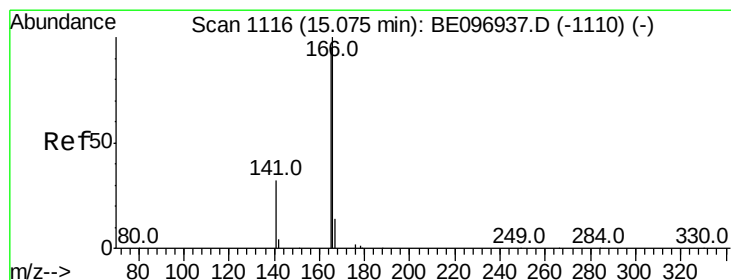
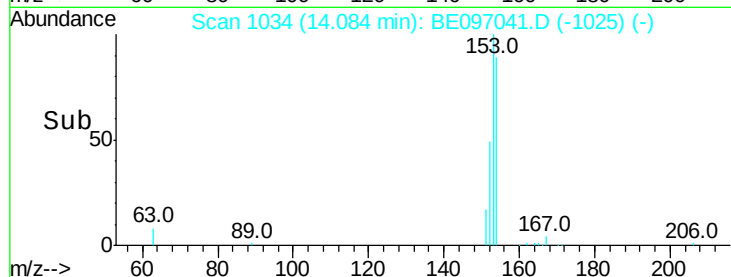
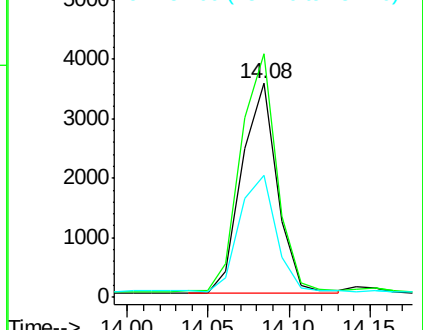
152 57.5 42.0 63.0



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: 0.564 ng

RT: 15.07 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

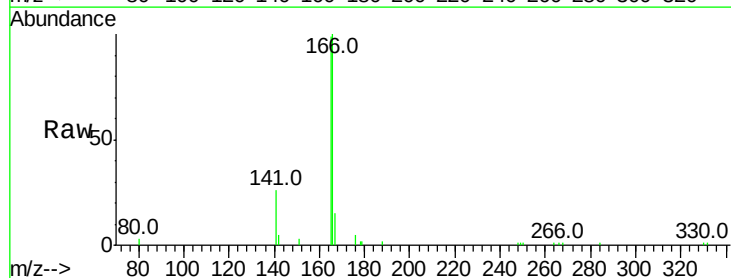
Tgt Ion:166 Resp: 7922

Ion Ratio Lower Upper

166 100

165 100.5 77.8 116.6

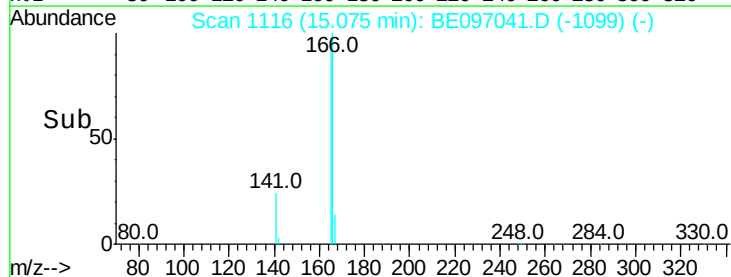
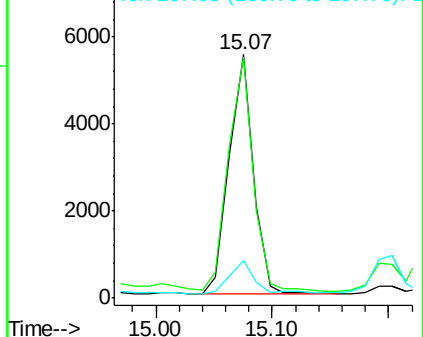
167 14.3 42.4 63.6#

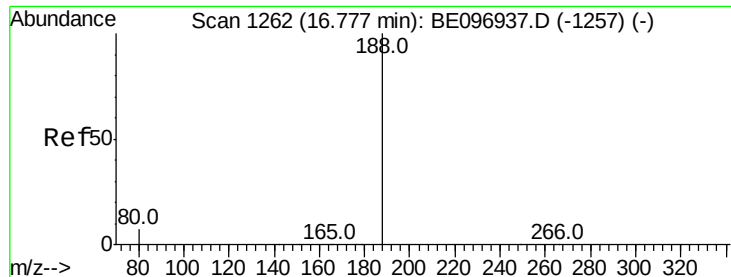


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.76 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

Instrument :

BNA_E

ClientSampleId :

YT-MW-7MSD

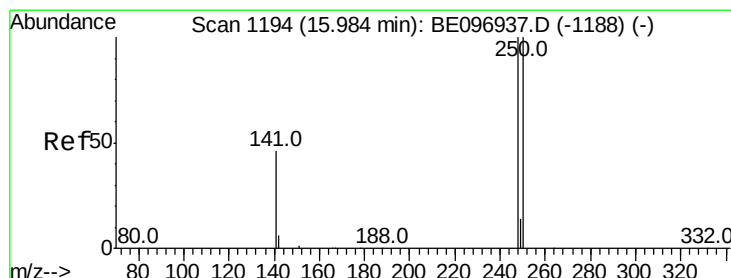
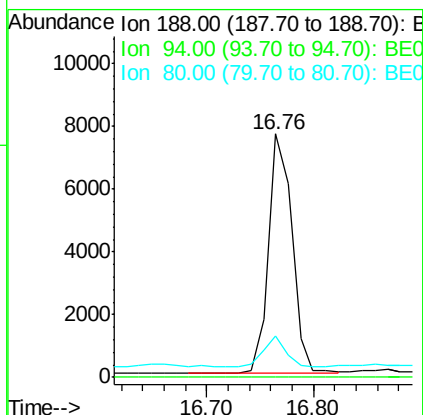
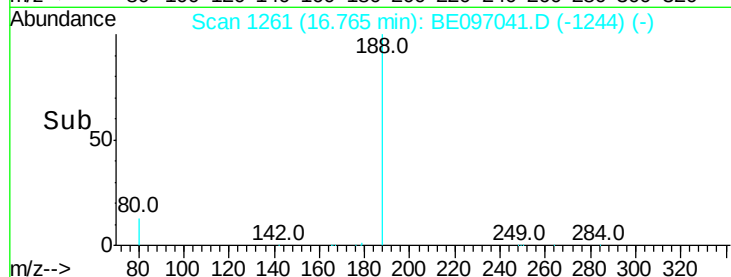
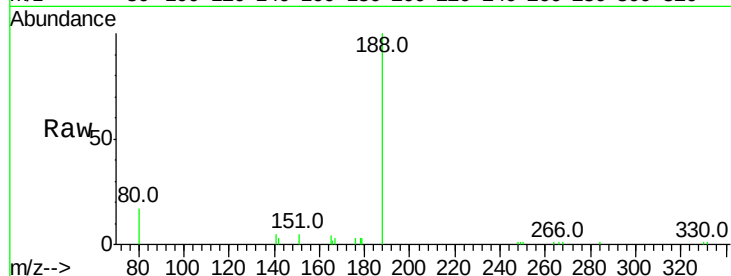
Tot Ion:188 Resp: 11749

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 16.9 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.376 ng

RT: 15.97 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

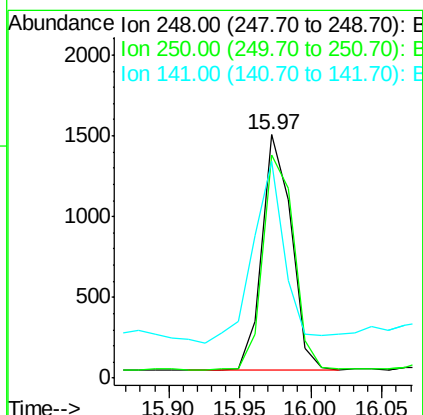
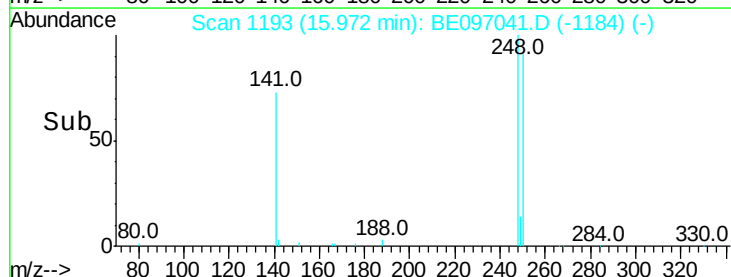
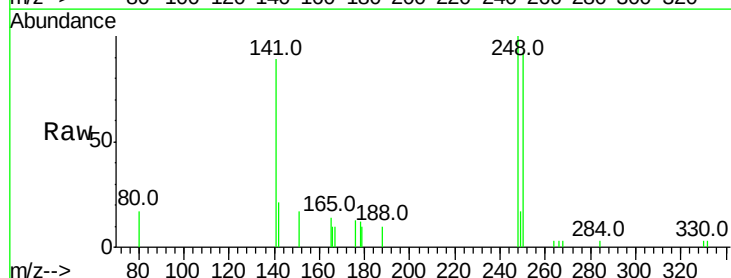
Tgt Ion:248 Resp: 2089

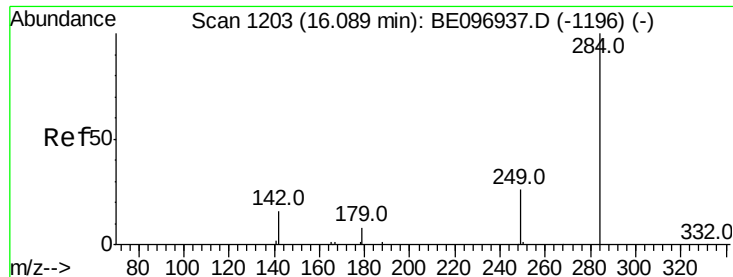
Ion Ratio Lower Upper

248 100

250 91.6 62.7 94.1

141 89.1 48.2 72.2#





#21

Hexachlorobenzene

Concen: 0.325 ng

RT: 16.08 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

Instrument :

BNA_E

ClientSampleId :

YT-MW-7MSD

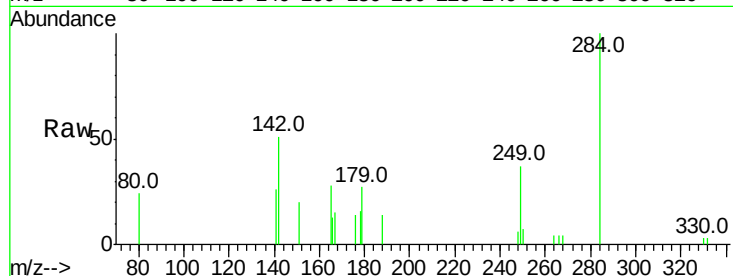
Tot Ion:284 Resp: 2006

Ion Ratio Lower Upper

284 100

142 47.8 22.1 33.1#

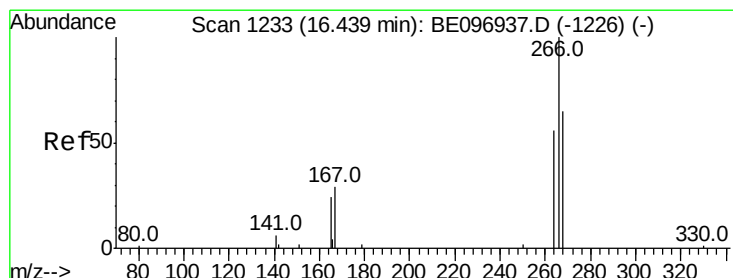
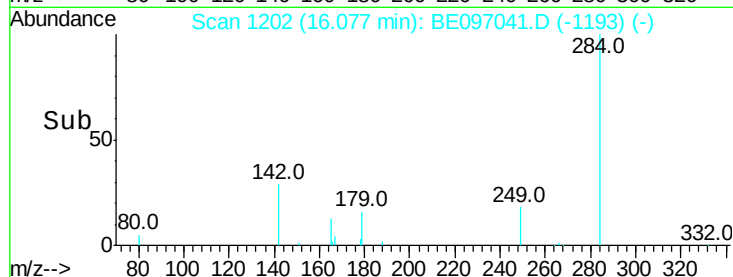
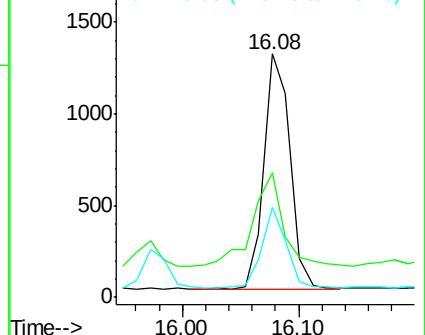
249 31.9 34.8 52.2#



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: 1.692 ng

RT: 16.43 min Scan# 1232

Delta R.T. 0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

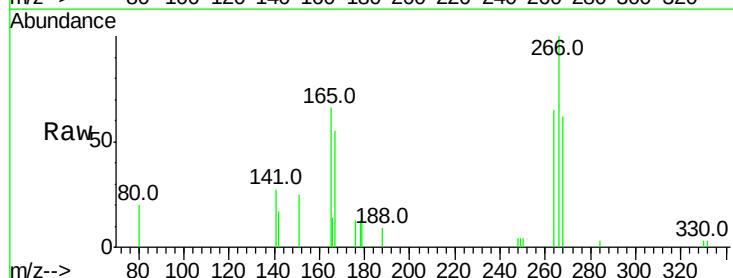
Tgt Ion:266 Resp: 2542

Ion Ratio Lower Upper

266 100

264 64.6 72.5 108.7#

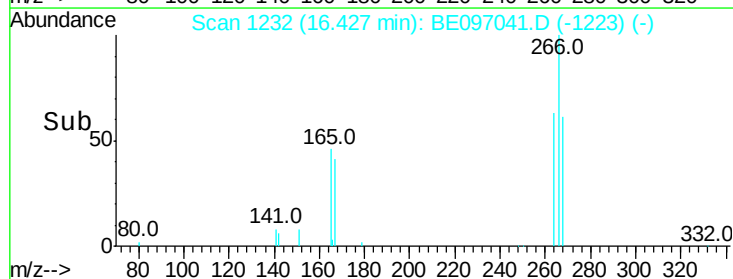
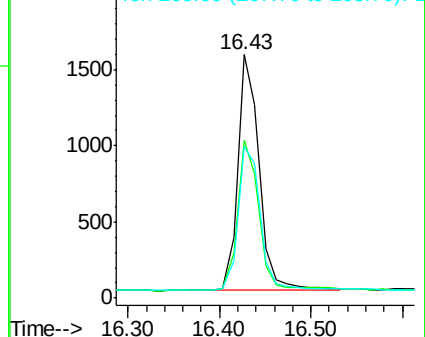
268 62.0 73.8 110.6#

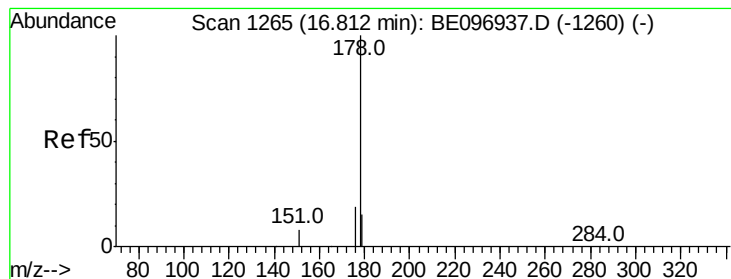


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.447 ng

RT: 16.81 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

Instrument :

BNA_E

ClientSampleId :

YT-MW-7MSD

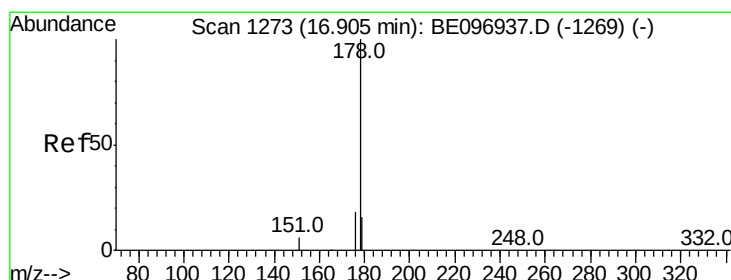
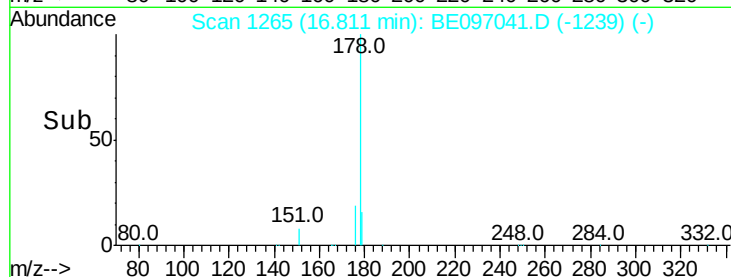
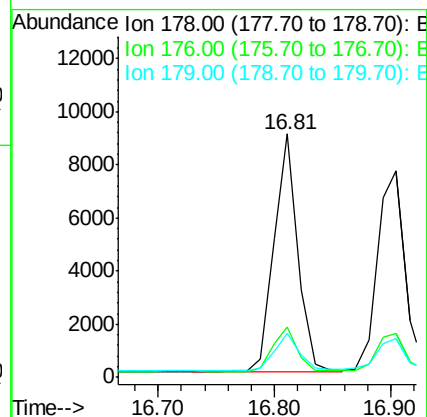
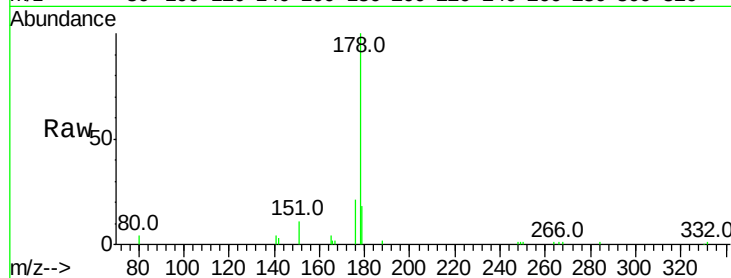
Tot Ion:178 Resp: 12579

Ion Ratio Lower Upper

178 100

176 19.8 15.1 22.7

179 17.3 11.8 17.6



#24

Anthracene

Concen: 0.504 ng

RT: 16.90 min Scan# 1273

Delta R.T. 0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

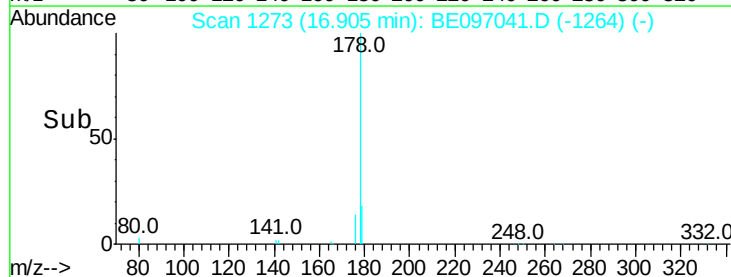
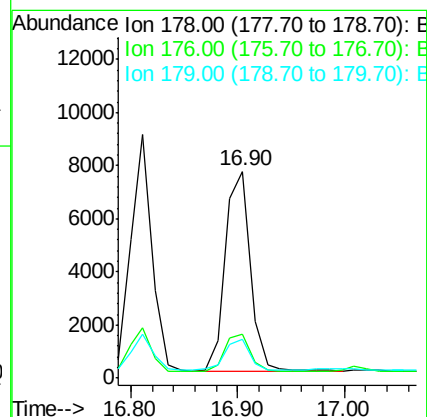
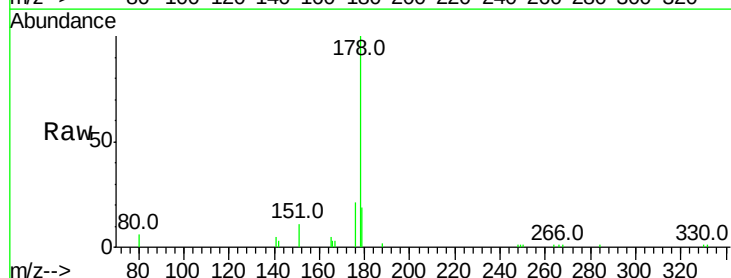
Tgt Ion:178 Resp: 12337

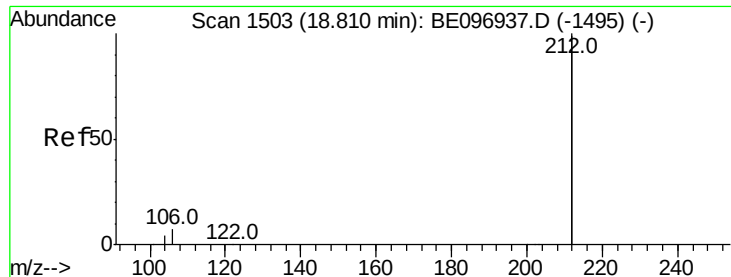
Ion Ratio Lower Upper

178 100

176 19.7 12.8 19.2#

179 15.2 13.0 19.6





#25

Fluoranthene-d10

Concen: 0.655 ng

RT: 18.81 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

Instrument :

BNA_E

ClientSampleId :

YT-MW-7MSD

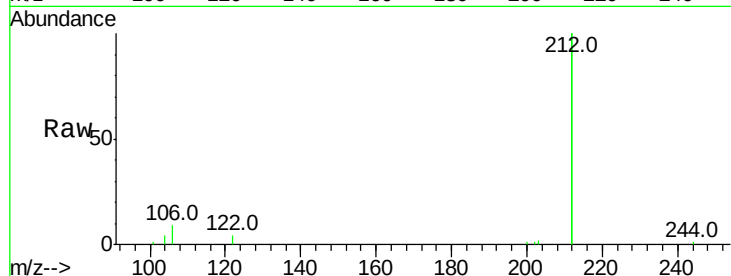
Tot Ion:212 Resp: 66979

Ion Ratio Lower Upper

212 100

106 3.4 2.8 4.2

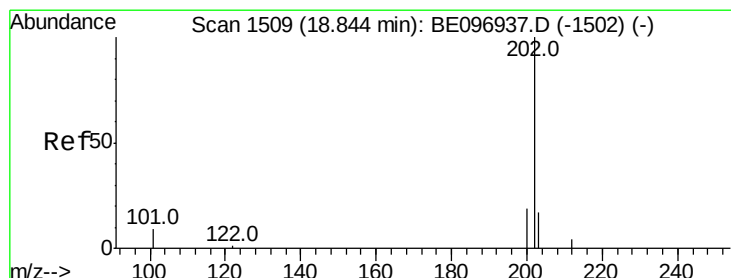
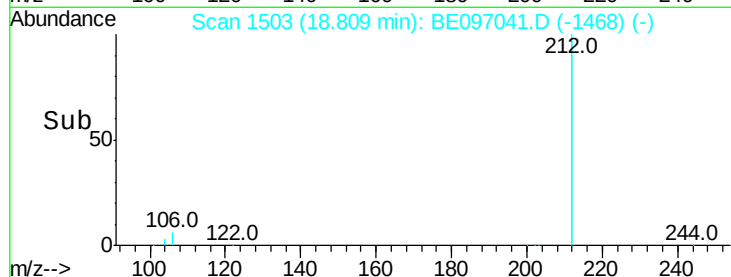
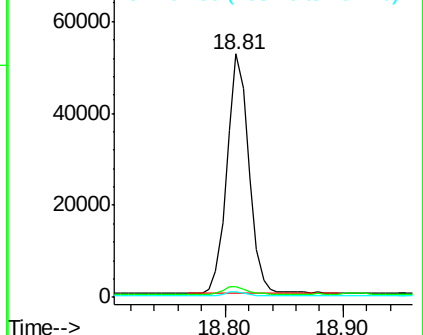
104 1.8 1.6 2.4



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: 0.580 ng

RT: 18.84 min Scan# 1508

Delta R.T. -0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

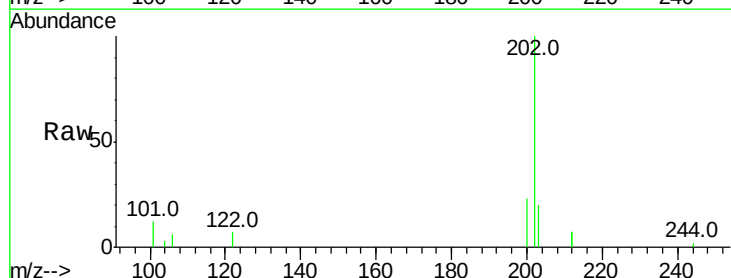
Tgt Ion:202 Resp: 17204

Ion Ratio Lower Upper

202 100

101 11.2 9.8 14.8

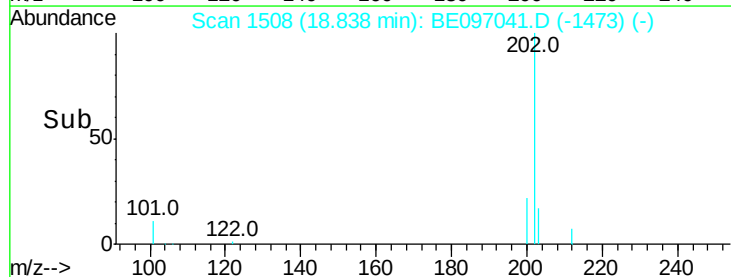
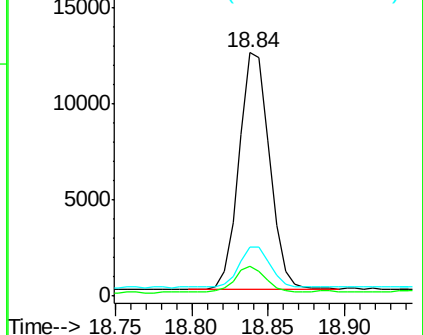
203 17.0 13.7 20.5

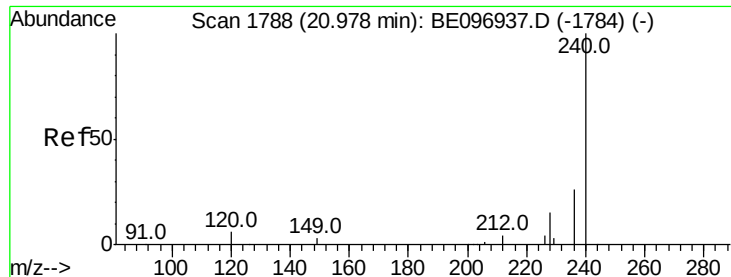


Abundance Ion 202.00 (201.70 to 202.70): E

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: BE097041.D

Acq: 23 Jul 2018 17:50

Instrument :

BNA_E

ClientSampleId :

YT-MW-7MSD

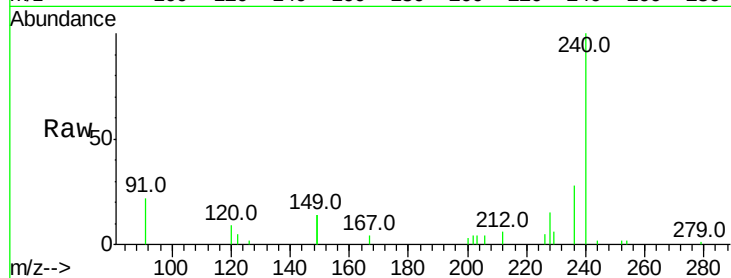
Tot Ion:240 Resp: 14553

Ion Ratio Lower Upper

240 100

120 9.4 5.5 8.3#

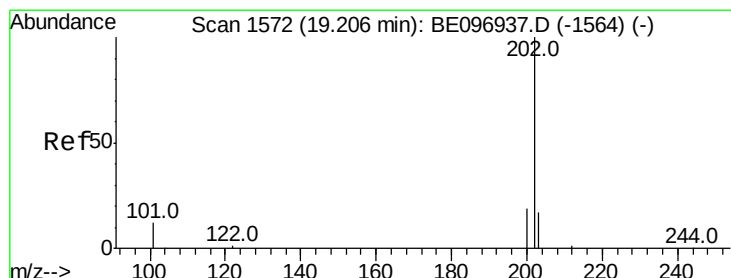
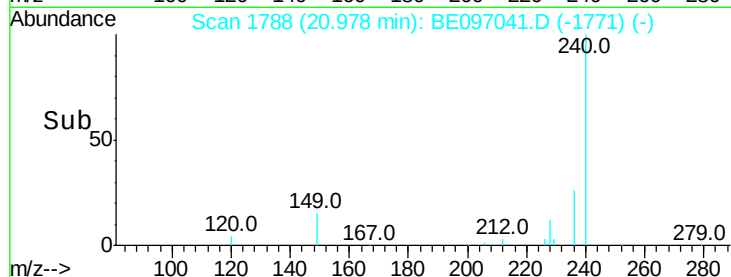
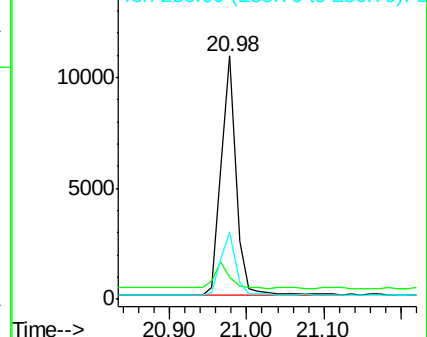
236 27.6 20.7 31.1



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: 0.424 ng

RT: 19.21 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

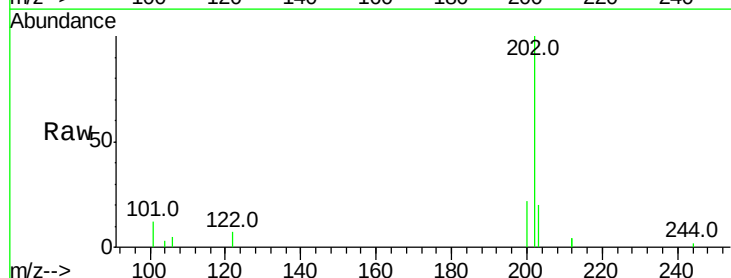
Tgt Ion:202 Resp: 18205

Ion Ratio Lower Upper

202 100

200 20.9 16.6 25.0

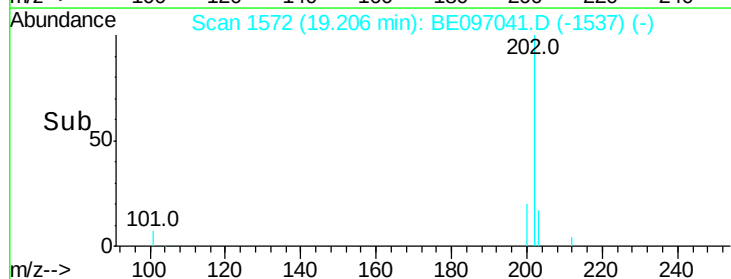
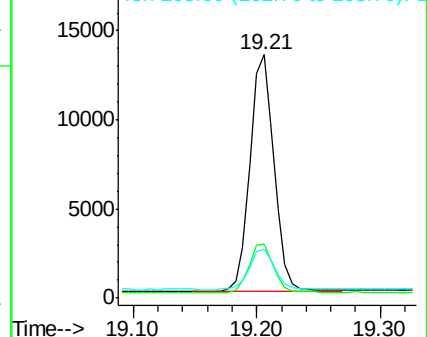
203 18.3 13.8 20.8

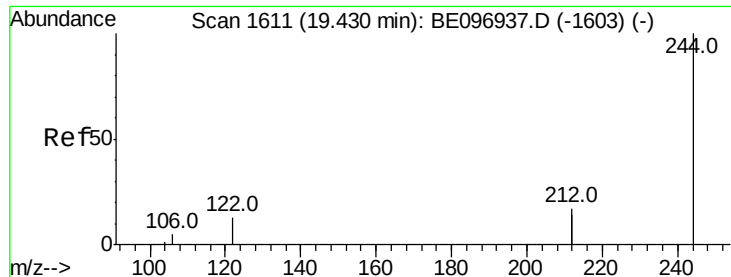


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.522 ng

RT: 19.43 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

Instrument :

BNA_E

ClientSampleId :

YT-MW-7MSD

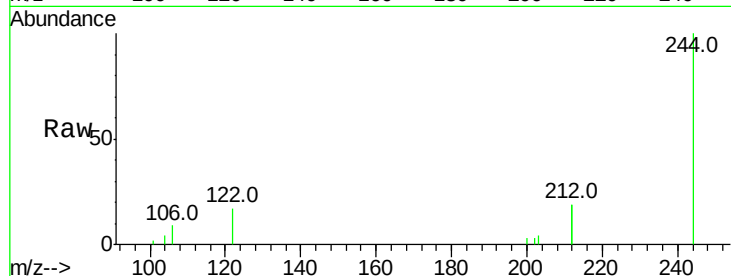
Tot Ion:244 Resp: 14652

Ion Ratio Lower Upper

244 100

212 37.3 25.4 38.0

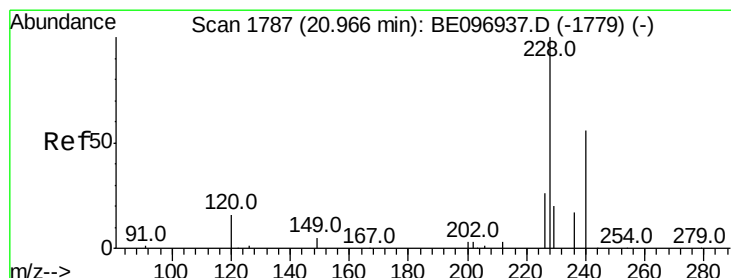
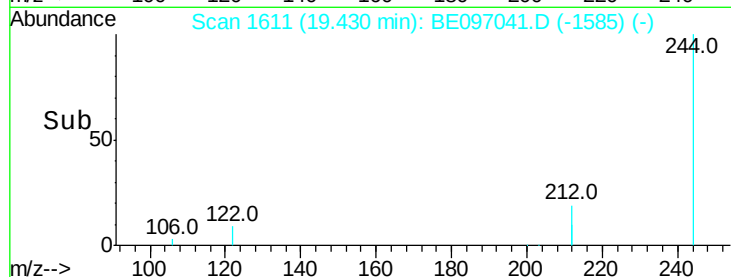
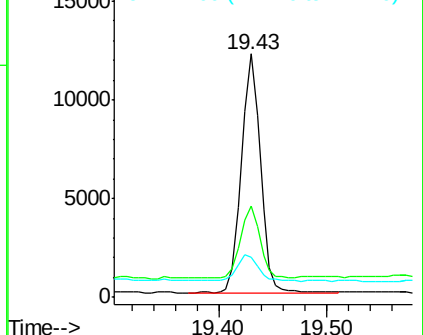
122 16.7 8.1 12.1#



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: 0.530 ng

RT: 20.95 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

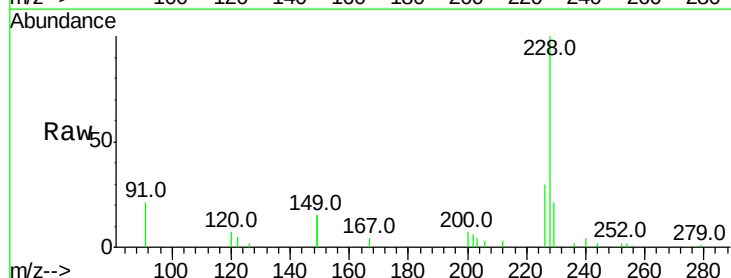
Tgt Ion:228 Resp: 18350

Ion Ratio Lower Upper

228 100

226 30.0 24.0 36.0

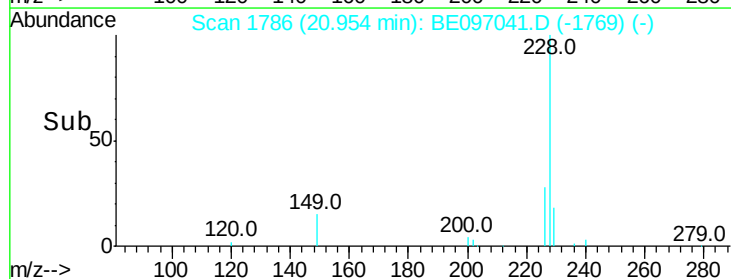
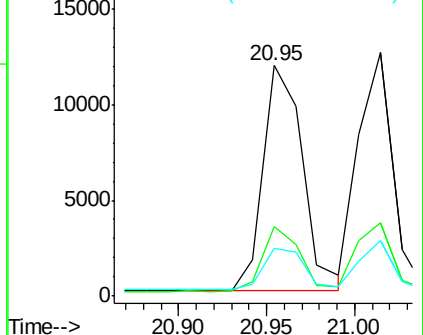
229 20.9 16.0 24.0

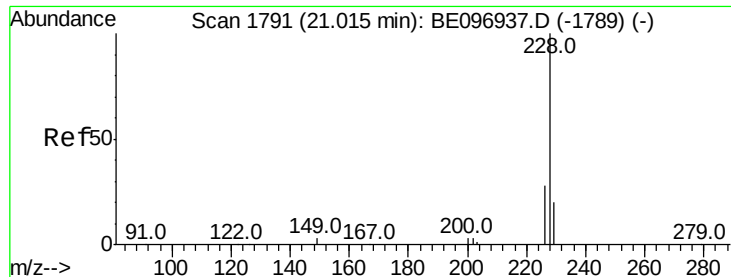


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.432 ng

RT: 21.01 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

Instrument :

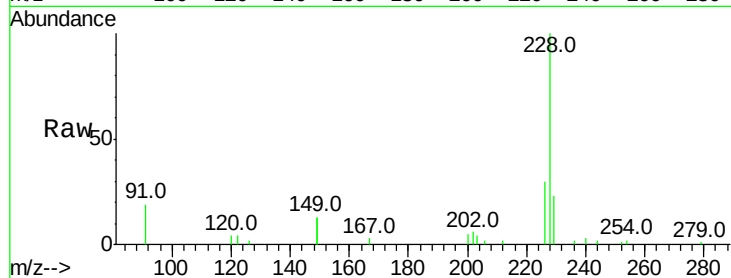
BNA_E

ClientSampleId :

YT-MW-7MSD

Tot Ion:228 Resp: 16808

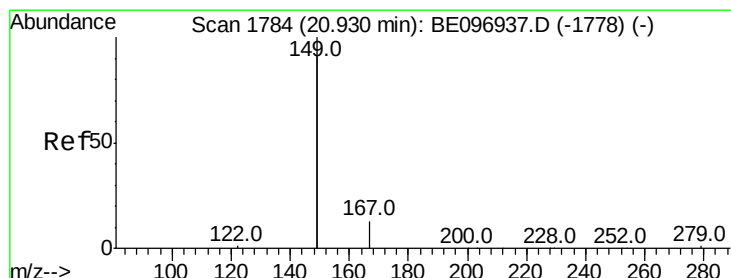
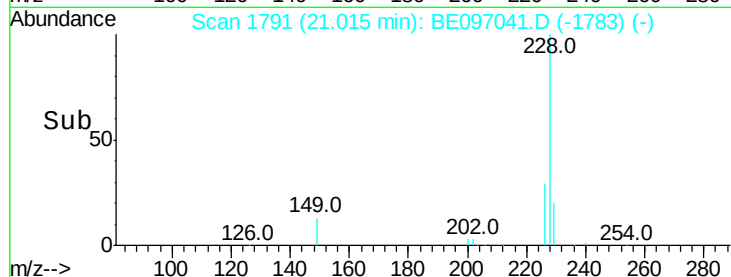
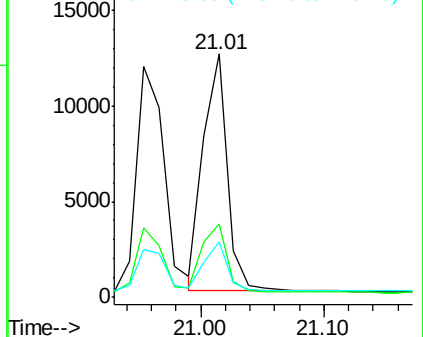
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	22.5	16.0	24.0



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: 1.067 ng

RT: 20.93 min Scan# 1784

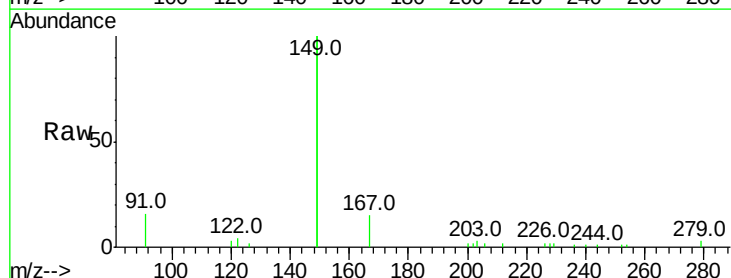
Delta R.T. -0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

Tgt Ion:149 Resp: 36920

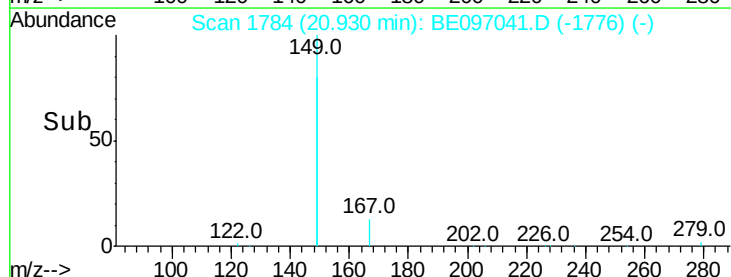
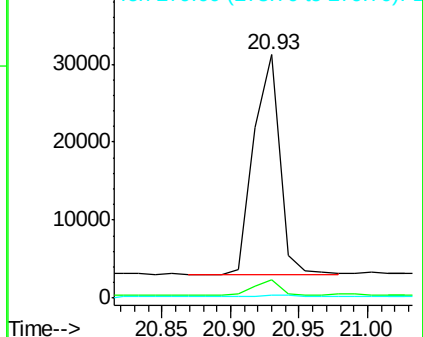
Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.4	8.0
279	1.0	0.7	1.1

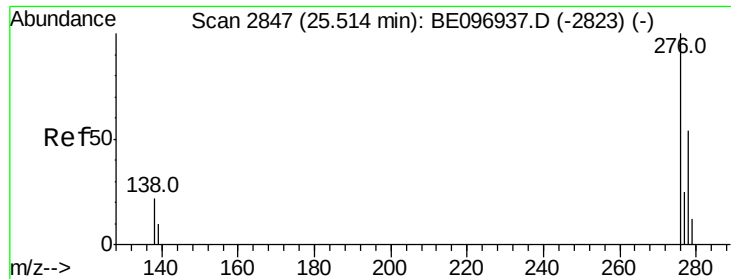


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.568 ng

RT: 25.51 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

Instrument :

BNA_E

ClientSampleId :

YT-MW-7MSD

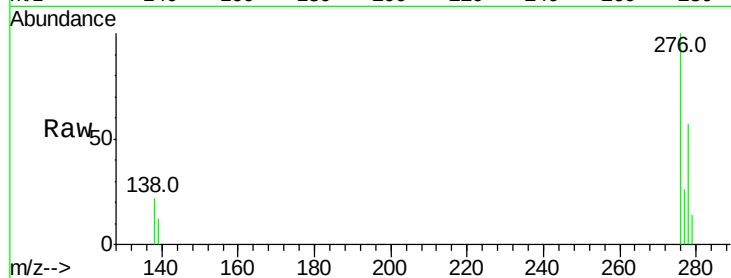
Tot Ion:276 Resp: 16097

Ion Ratio Lower Upper

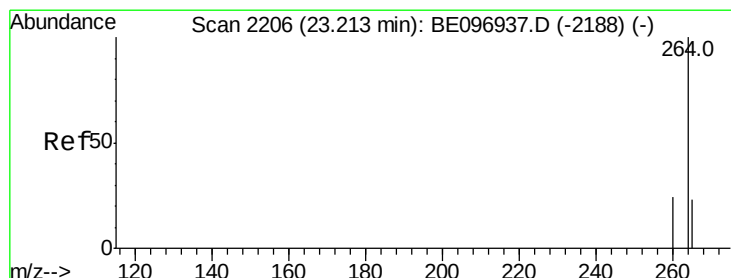
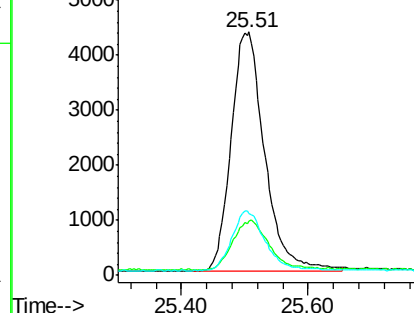
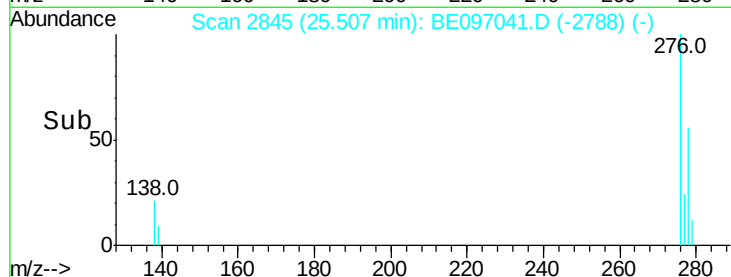
276 100

138 21.9 22.5 33.7#

277 24.7 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: 23.21 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

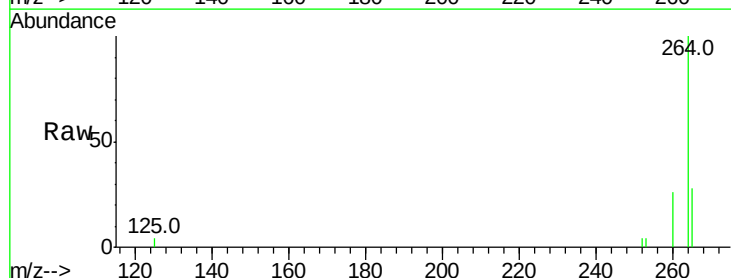
Tgt Ion:264 Resp: 13615

Ion Ratio Lower Upper

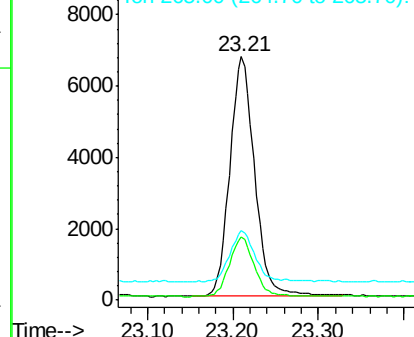
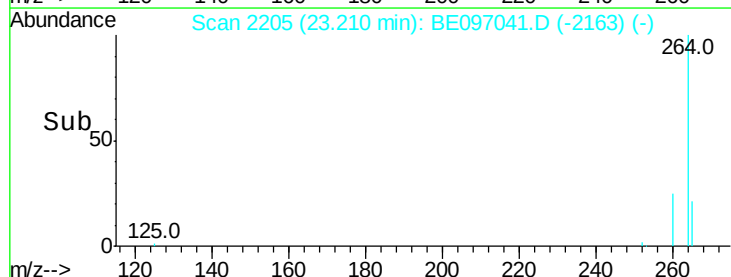
264 100

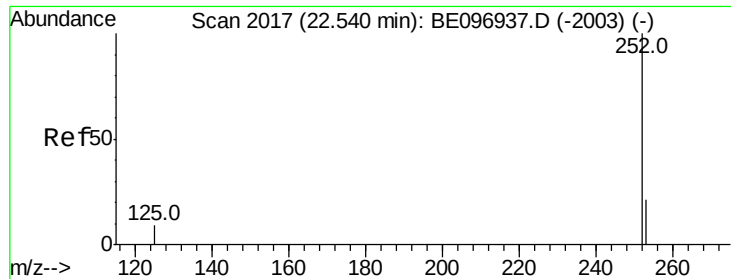
260 26.0 20.5 30.7

265 28.4 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: 0.450 ng

RT: 22.54 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

Instrument :

BNA_E

ClientSampleId :

YT-MW-7MSD

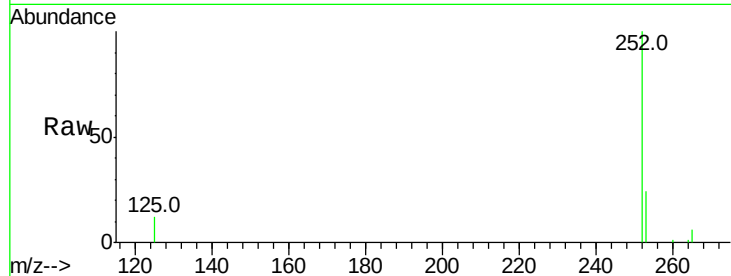
Tot Ion:252 Resp: 15639

Ion Ratio Lower Upper

252 100

253 23.9 20.0 30.0

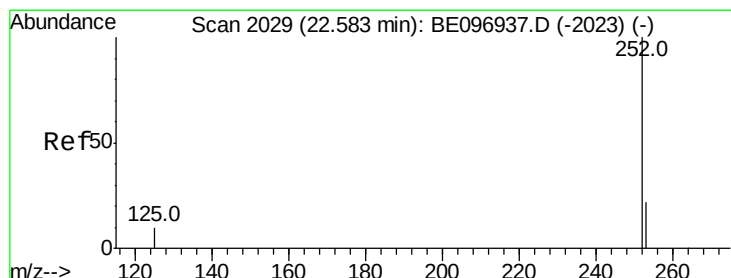
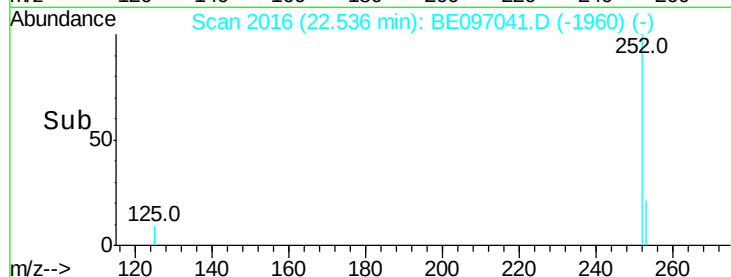
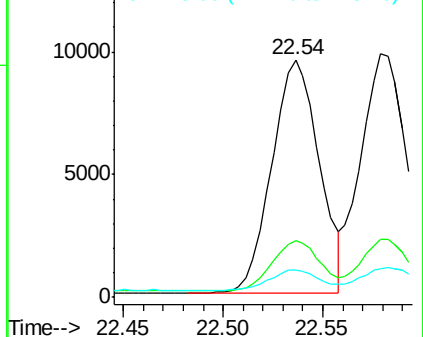
125 11.5 16.0 24.0#



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: 0.403 ng

RT: 22.58 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

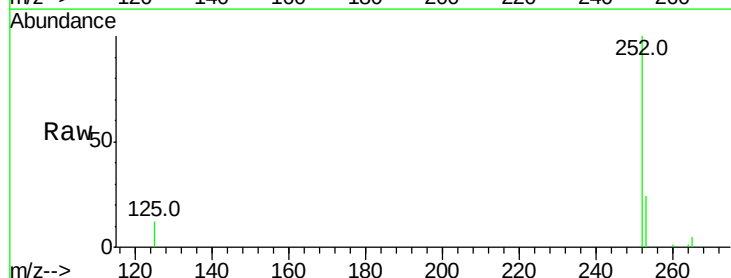
Tgt Ion:252 Resp: 16645

Ion Ratio Lower Upper

252 100

253 24.0 16.0 24.0

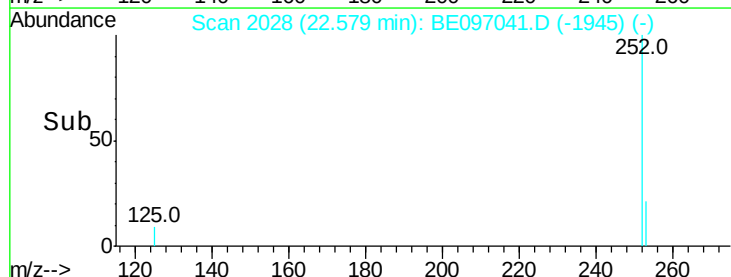
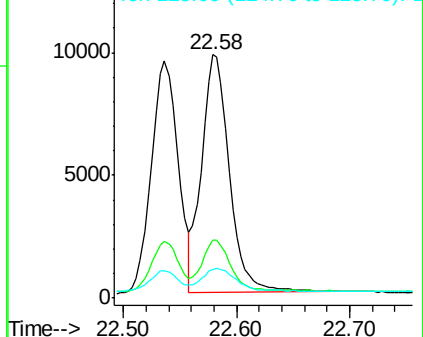
125 12.0 8.0 12.0

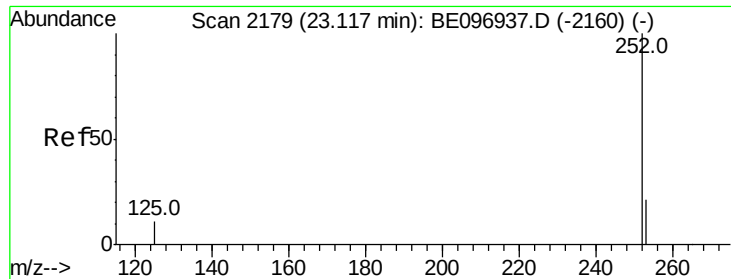


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.474 ng

RT: 23.11 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

Instrument :

BNA_E

ClientSampleId :

YT-MW-7MSD

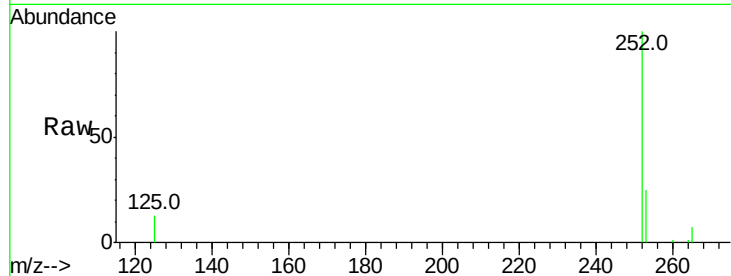
Tot Ion:252 Resp: 14750

Ion Ratio Lower Upper

252 100

253 24.7 16.0 24.0#

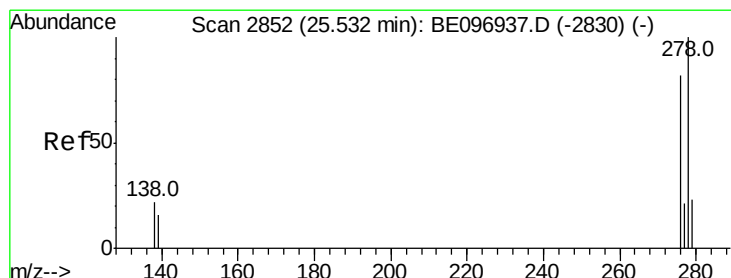
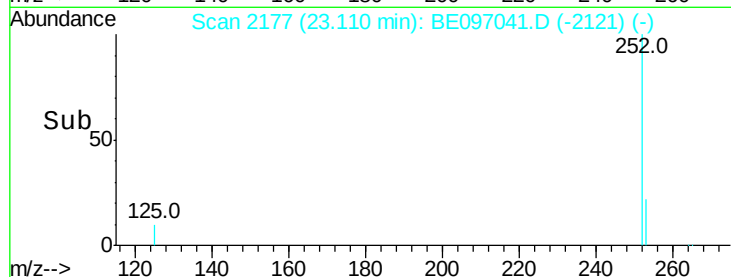
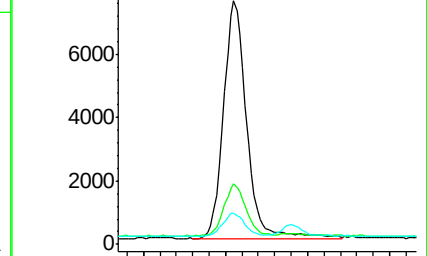
125 12.8 12.0 18.0



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: 0.506 ng

RT: 25.52 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

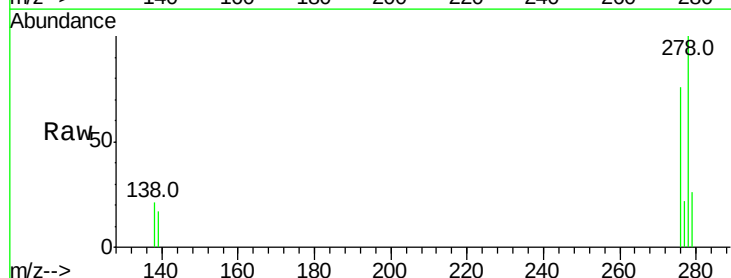
Tgt Ion:278 Resp: 13198

Ion Ratio Lower Upper

278 100

139 17.1 16.0 24.0

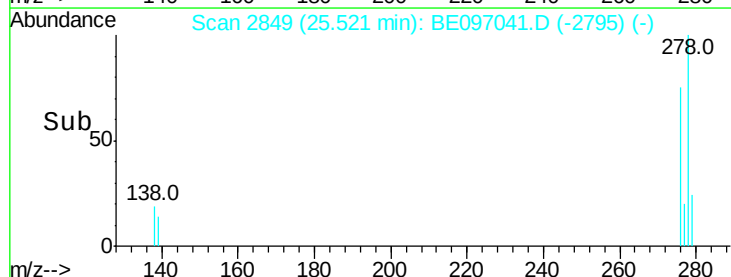
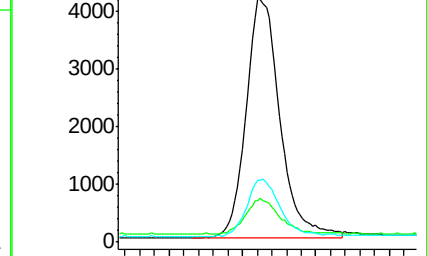
279 25.6 20.0 30.0

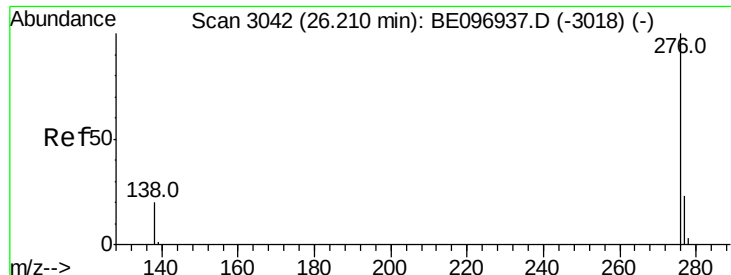


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.487 ng

RT: 26.20 min Scan# 3039

Delta R.T. -0.00 min

Lab File: BE097041.D

Acq: 23 Jul 2018 17:50

Instrument :

BNA_E

ClientSampleId :

YT-MW-7MSD

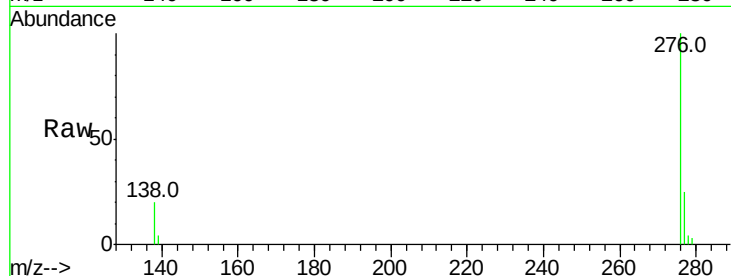
Tot Ion: 276 Resp: 13761

Ion Ratio Lower Upper

276 100

277 24.8 16.0 24.0#

138 20.1 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

