

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072618\
 Data File : BE097110.D
 Acq On : 26 Jul 2018 19:44
 Operator : SJ/JU
 Sample : J3762-09
 Misc : MDL 0.1PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 27 03:30:19 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 24 13:24:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1100	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	5405	0.40	ng	0.00
13) Acenaphthene-d10	14.01	164	3208	0.40	ng	0.00
19) Phenanthrene-d10	16.78	188	8980	0.40	ng	0.01
27) Chrysene-d12	20.98	240	6235	0.40	ng	0.00
34) Perylene-d12	23.22	264	4715	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	1035	0.33	ng	0.00
5) Phenol-d6	6.59	99	1329	0.29	ng	0.00
8) Nitrobenzene-d5	8.53	82	1648	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	11.73	152	2974	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	227	0.21	ng	0.01
15) 2-Fluorobiphenyl	12.63	172	4415	0.40	ng	0.00
25) Fluoranthene-d10	18.82	212	31958	0.36	ng	0.00
29) Terphenyl-d14	19.43	244	4837	0.40	ng	0.00

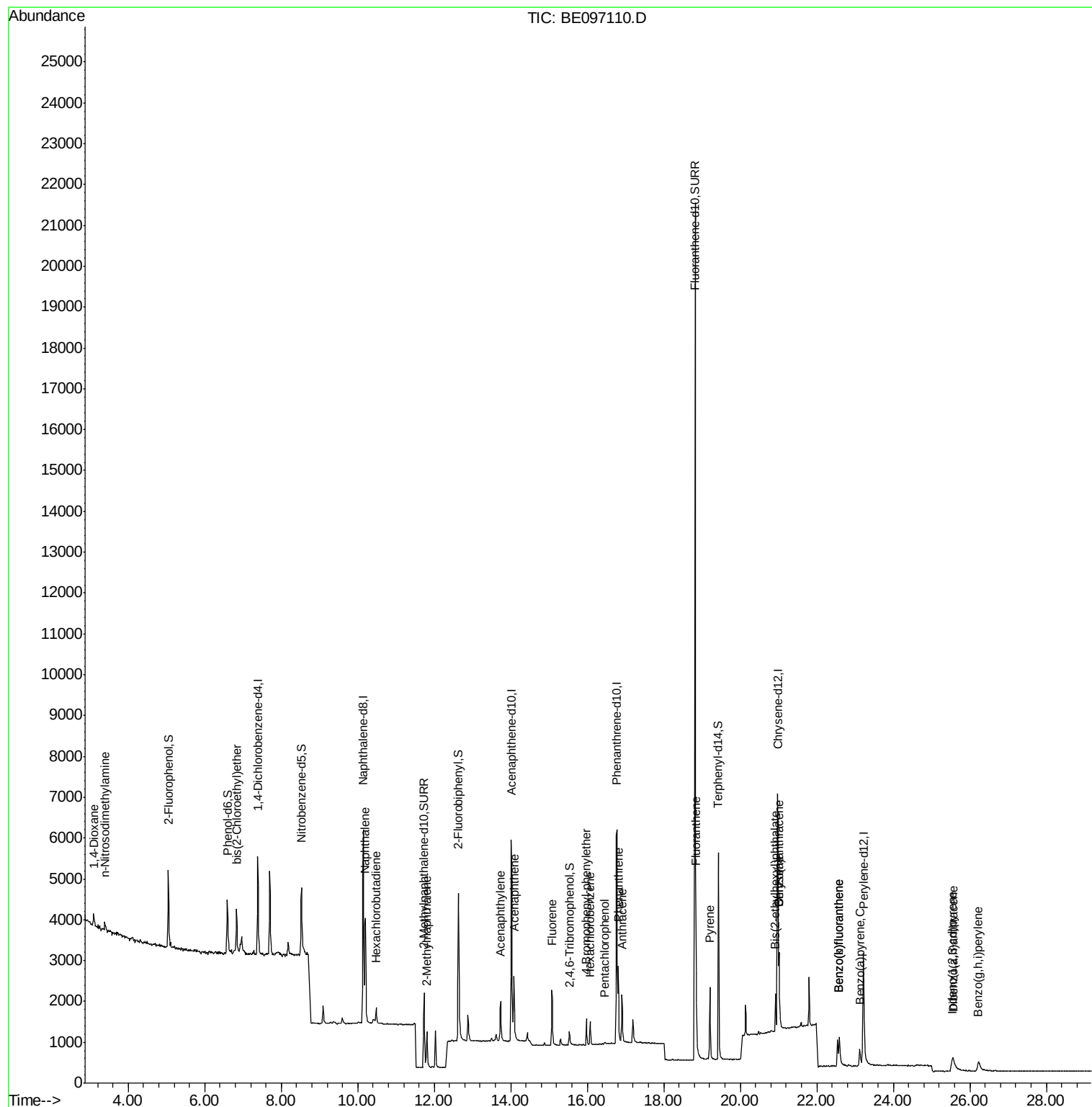
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.09	88	182	0.104	ng	92
3) n-Nitrosodimethylamine	3.39	42	185	0.095	ng	# 77
6) bis(2-Chloroethyl)ether	6.84	93	481	0.116	ng	# 63
9) Naphthalene	10.20	128	4747	0.098	ng	# 96
10) Hexachlorobutadiene	10.48	225	222	0.102	ng	98
12) 2-Methylnaphthalene	11.81	142	759	0.091	ng	97
16) Acenaphthylene	13.74	152	1338	0.093	ng	99
17) Acenaphthene	14.08	154	766	0.092	ng	# 86
18) Fluorene	15.07	166	957	0.087	ng	# 78
20) 4-Bromophenyl-phenylether	15.98	248	394	0.090	ng	# 88
21) Hexachlorobenzene	16.08	284	468	0.100	ng	# 83
22) Pentachlorophenol	16.46	266	67	0.095	ng	98
23) Phenanthrene	16.81	178	1942	0.091	ng	97
24) Anthracene	16.90	178	1466	0.077	ng	# 94
26) Fluoranthene	18.84	202	1953	0.081	ng	98
28) Pyrene	19.21	202	1740	0.102	ng	98
30) Benzo(a)anthracene	21.02	228	1657	0.107	ng	94
31) Chrysene	21.02	228	1617	0.097	ng	94
32) Bis(2-ethylhexyl)phthalate	20.92	149	1209	0.066	ng	# 98
33) Indeno(1,2,3-cd)pyrene	25.54	276	762	0.051	ng	# 49
35) Benzo(b)fluoranthene	22.59	252	1261	0.105	ng	93
36) Benzo(k)fluoranthene	22.59	252	1261	0.090	ng	# 75
37) Benzo(a)pyrene	23.12	252	823	0.073	ng	# 72
38) Dibenzo(a,h)anthracene	25.56	278	222	0.020	ng	# 45
39) Benzo(g,h,i)perylene	26.22	276	838	0.070	ng	# 66

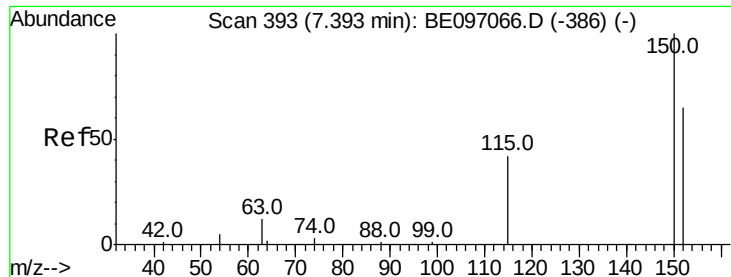
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE097110.D

Acq: 26 Jul 2018 19:44

Instrument :

BNA_E

ClientSampled :

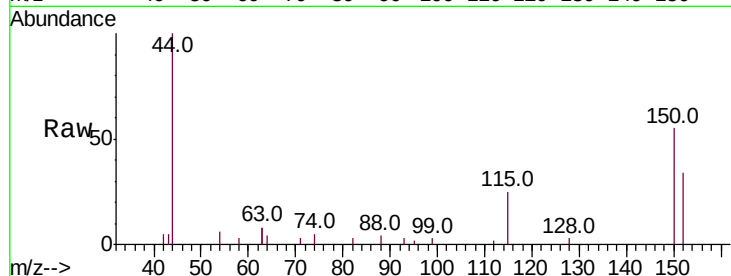
Tot Ion:152 Resp: 1100

Ion Ratio Lower Upper

152 100

150 162.6 117.2 175.8

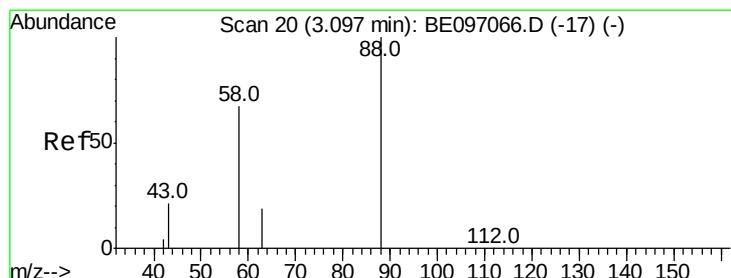
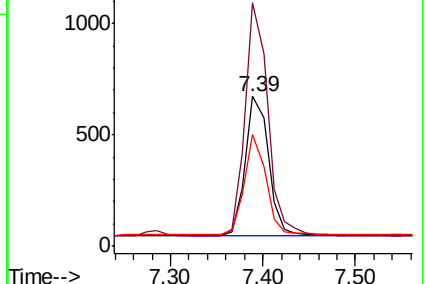
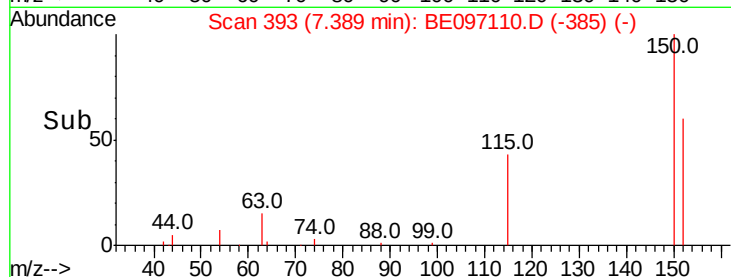
115 74.4 57.0 85.6



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: 0.104 ng

RT: 3.09 min Scan# 20

Delta R.T. -0.00 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

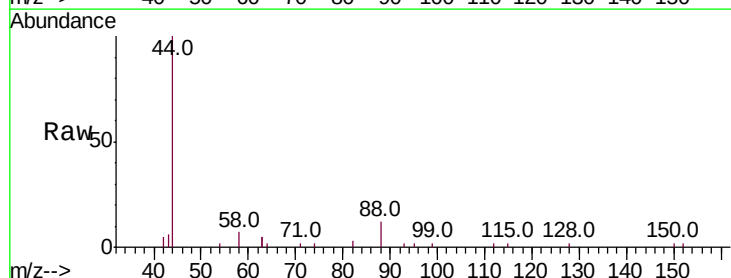
Tgt Ion: 88 Resp: 182

Ion Ratio Lower Upper

88 100

58 82.4 63.2 94.8

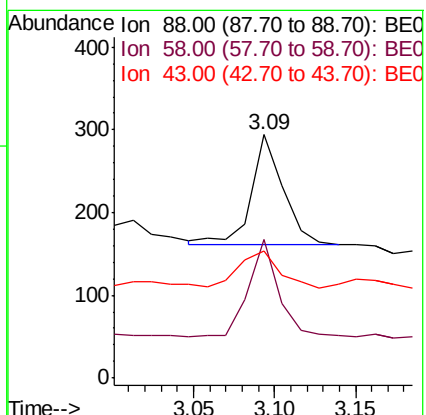
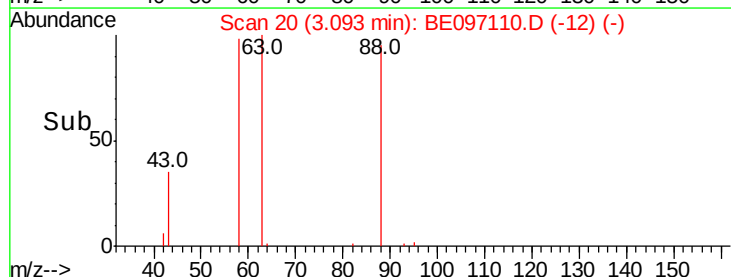
43 41.2 41.2 61.8

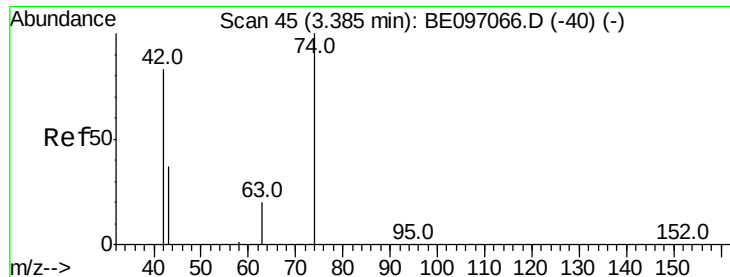


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.095 ng

RT: 3.39 min Scan# 46

Delta R.T. 0.01 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

Instrument :

BNA_E

ClientSampleId :

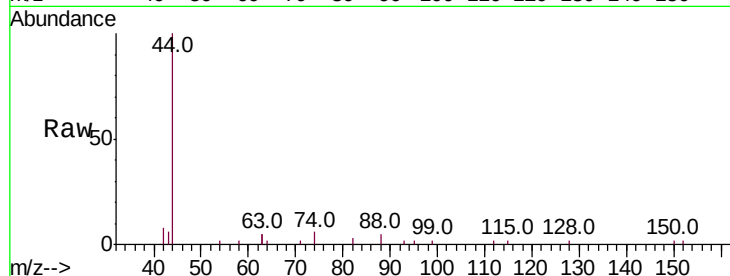
Tot Ion: 42 Resp: 185

Ion Ratio Lower Upper

42 100

74 95.7 96.0 144.0#

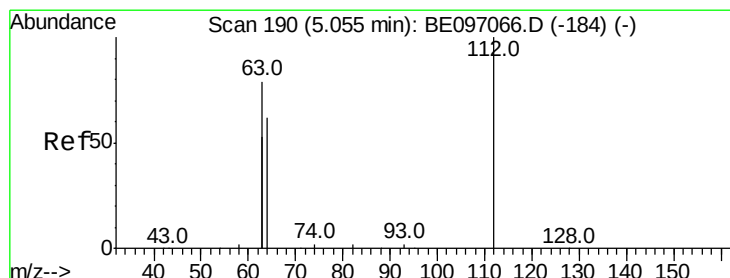
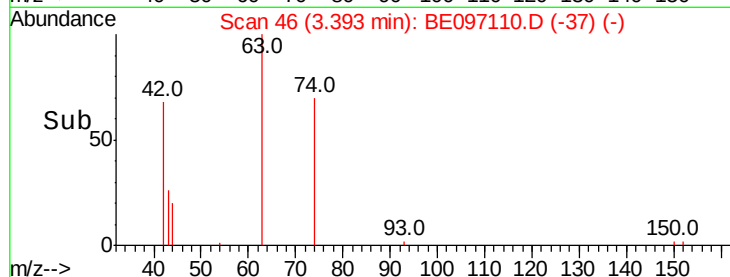
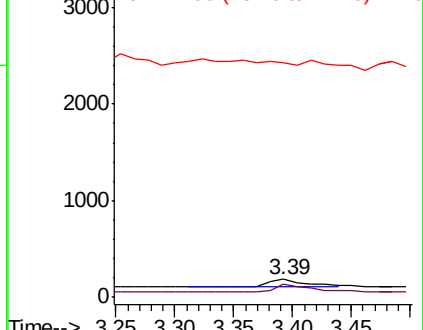
44 0.0 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.335 ng

RT: 5.05 min Scan# 190

Delta R.T. -0.00 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

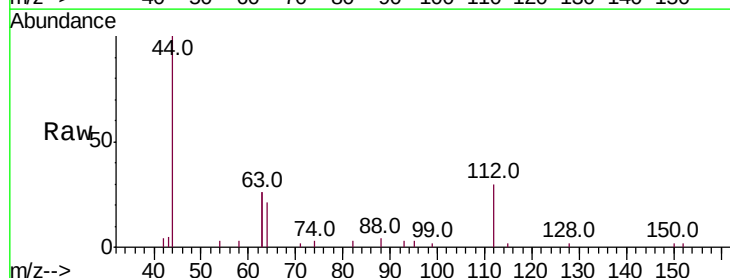
Tgt Ion: 112 Resp: 1035

Ion Ratio Lower Upper

112 100

64 66.5 60.1 90.1

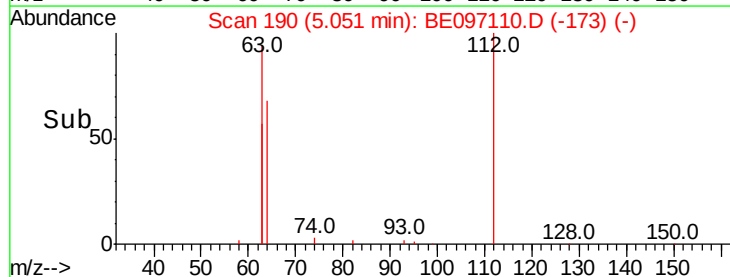
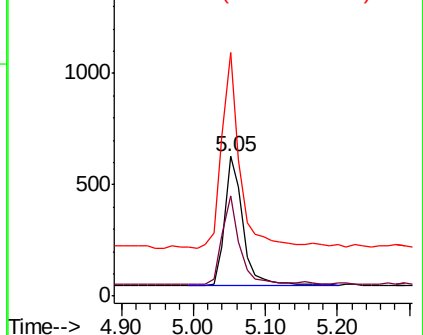
63 149.3 116.8 175.2

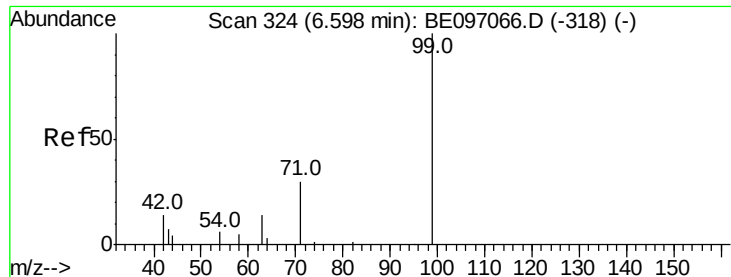


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.293 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

Instrument :

BNA_E

ClientSampled :

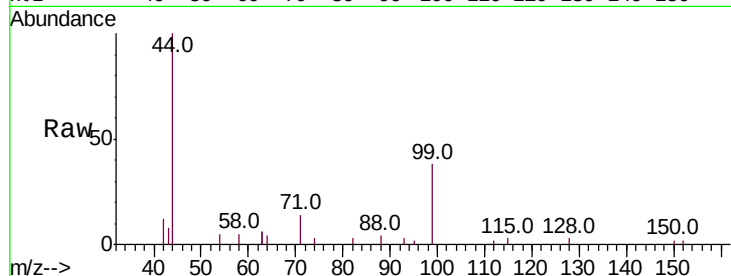
Tot Ion: 99 Resp: 1329

Ion Ratio Lower Upper

99 100

42 23.9 20.2 30.2

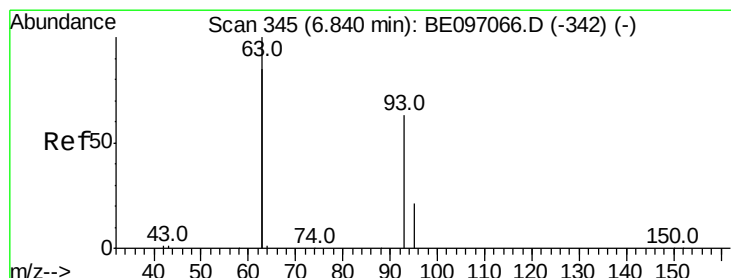
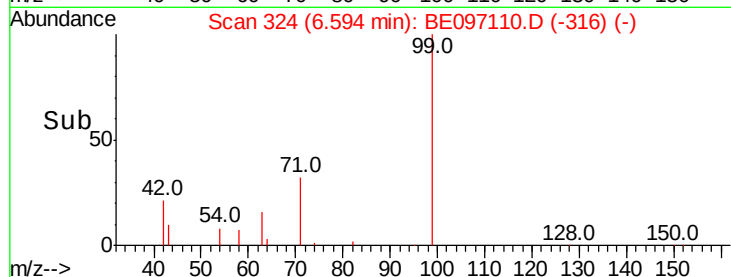
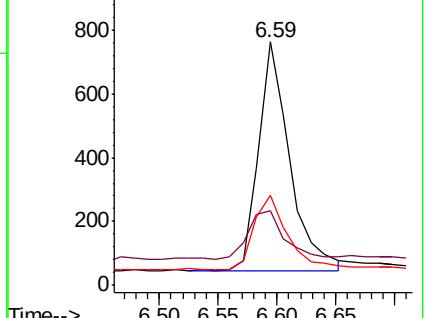
71 34.4 28.4 42.6



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

bis(2-Chloroethyl)ether

Concen: 0.116 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

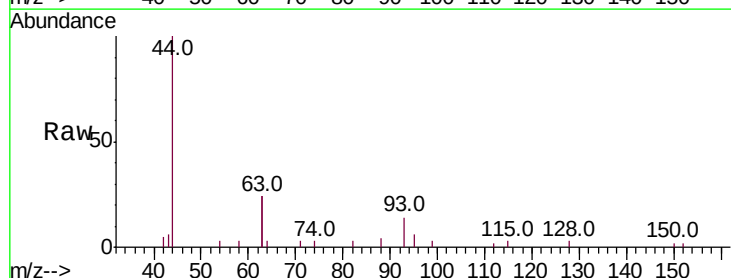
Tgt Ion: 93 Resp: 481

Ion Ratio Lower Upper

93 100

63 260.1 275.3 412.9#

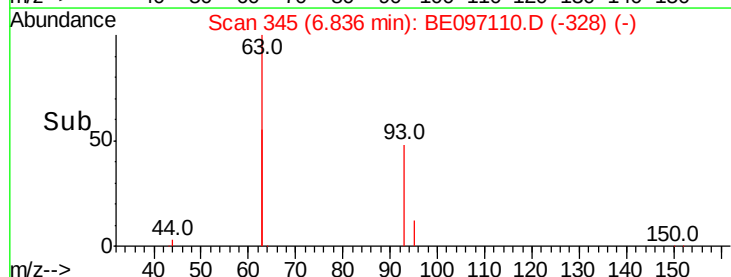
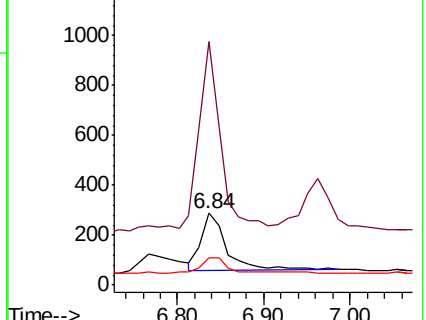
95 27.2 25.2 37.8

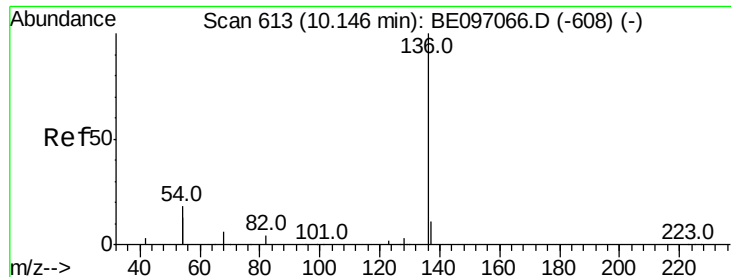


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 614

Delta R.T. 0.00 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5405

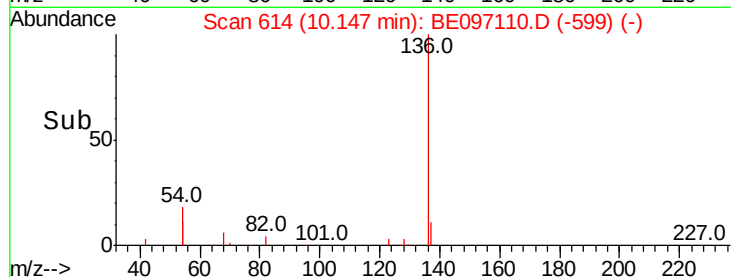
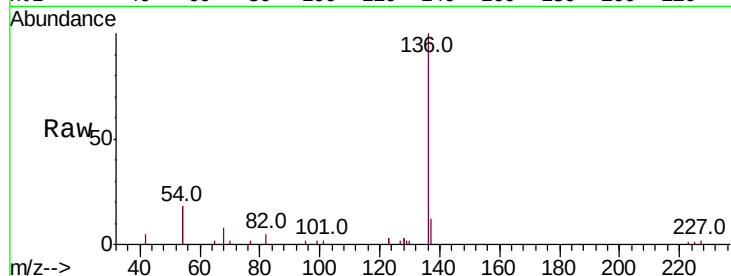
Ion Ratio Lower Upper

136 100

137 12.1 9.5 14.3

54 35.8 29.1 43.7

68 7.6 6.2 9.2

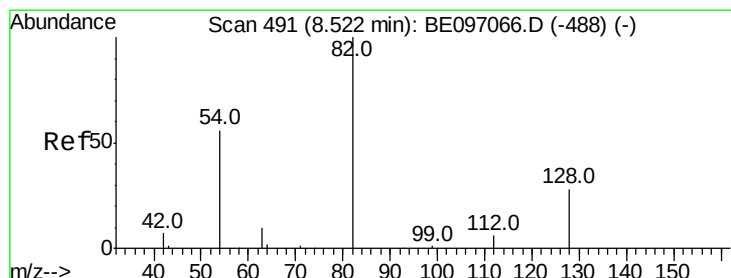
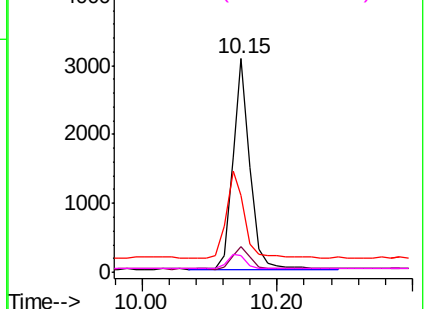


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.351 ng

RT: 8.53 min Scan# 492

Delta R.T. 0.01 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

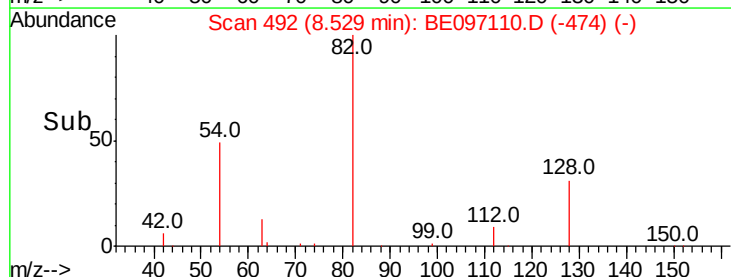
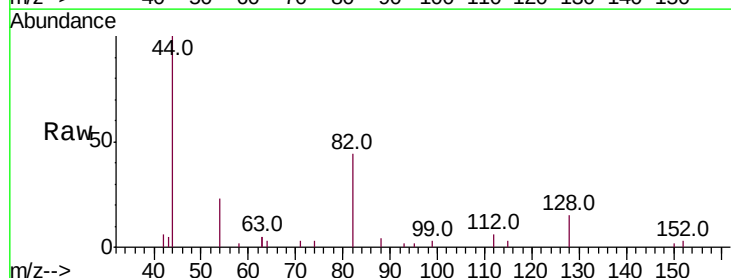
Tgt Ion: 82 Resp: 1648

Ion Ratio Lower Upper

82 100

128 34.2 24.0 36.0

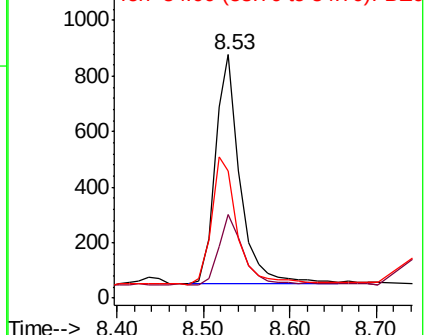
54 52.2 40.0 60.0

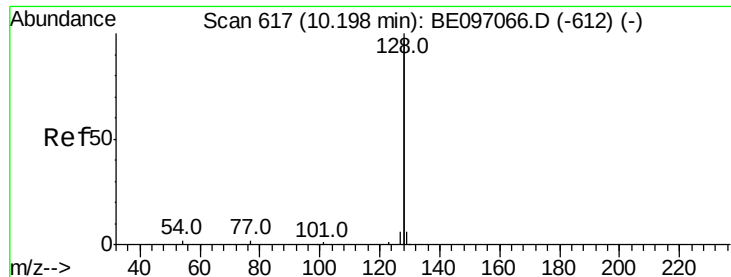


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.098 ng

RT: 10.20 min Scan# 618

Delta R.T. 0.00 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

Instrument :

BNA_E

ClientSampleId :

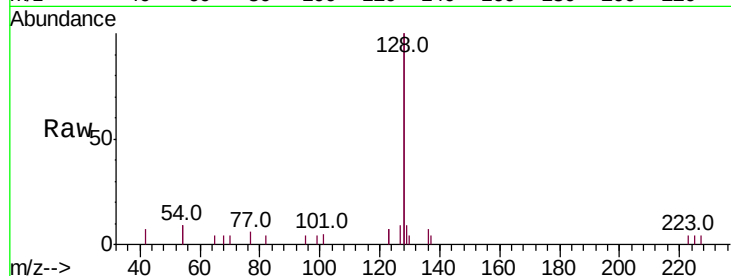
Tot Ion:128 Resp: 4747

Ion Ratio Lower Upper

128 100

129 4.3 2.6 3.8#

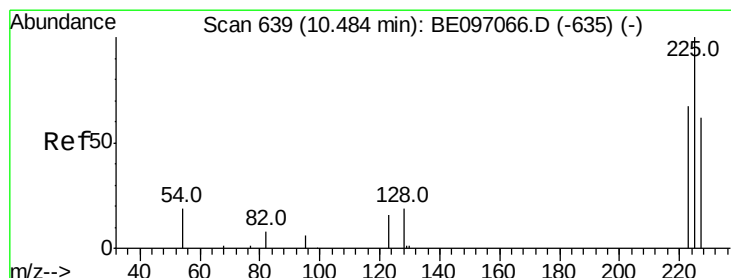
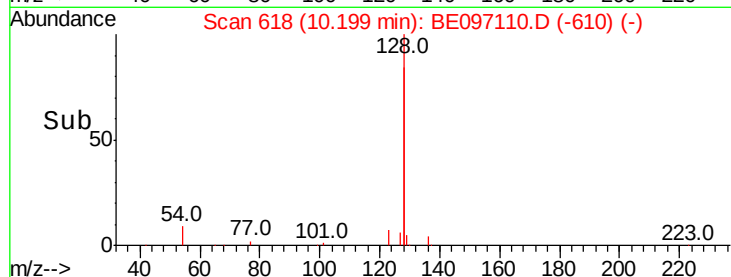
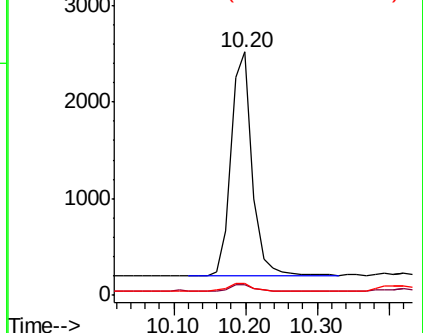
127 4.7 2.8 4.2#



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: 0.102 ng

RT: 10.48 min Scan# 640

Delta R.T. 0.00 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

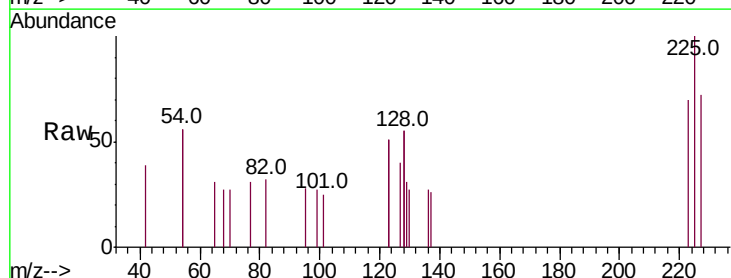
Tgt Ion:225 Resp: 222

Ion Ratio Lower Upper

225 100

223 67.1 53.0 79.6

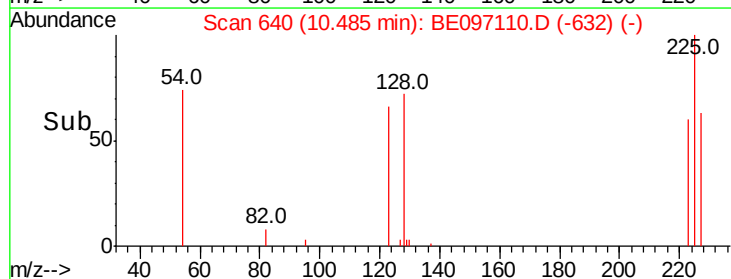
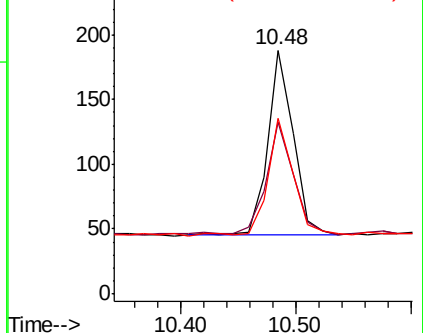
227 66.2 51.4 77.2

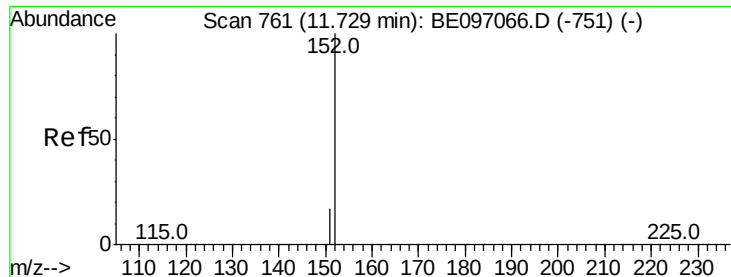


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

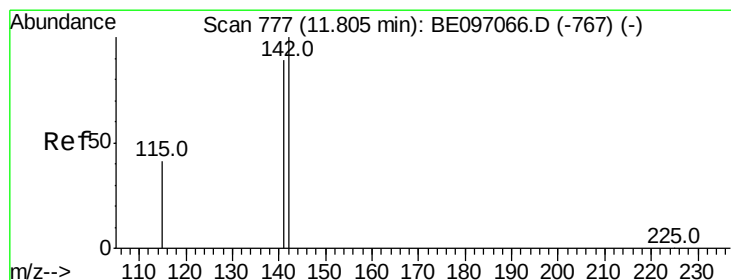
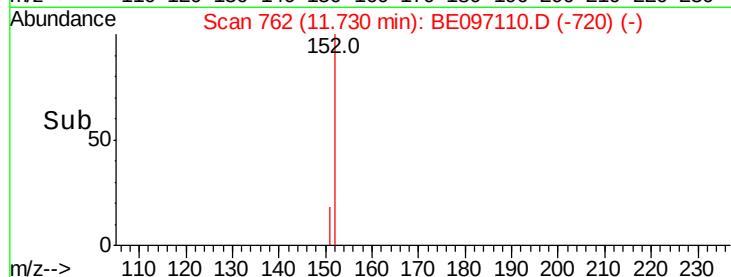
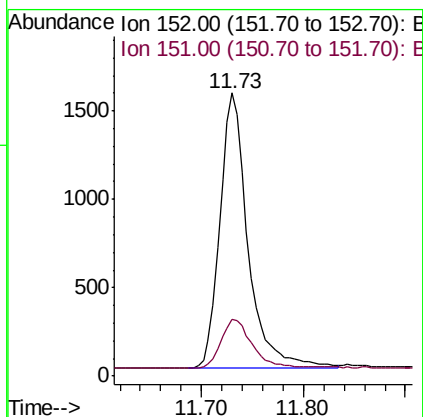
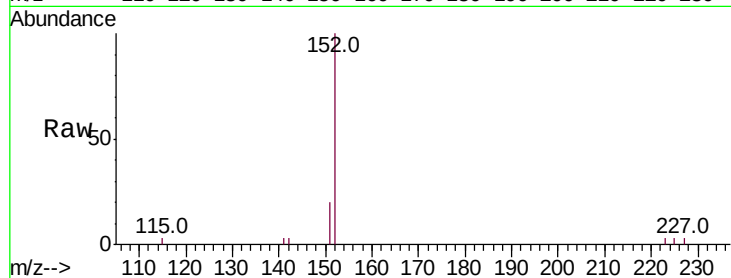




#11
 2-Methylnaphthalene-d10
 Concen: 0.368 ng
 RT: 11.73 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE097110.D
 Acq: 26 Jul 2018 19:44

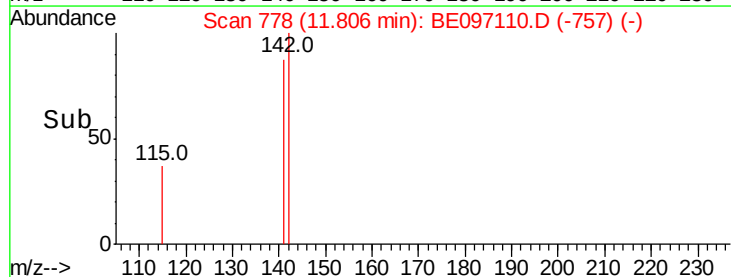
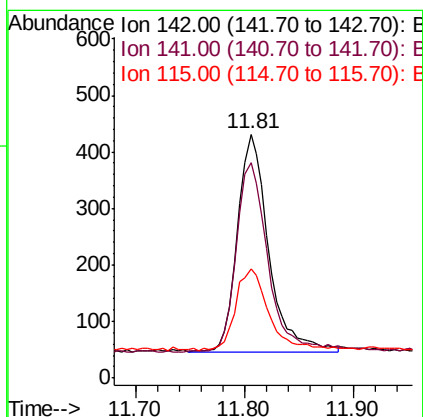
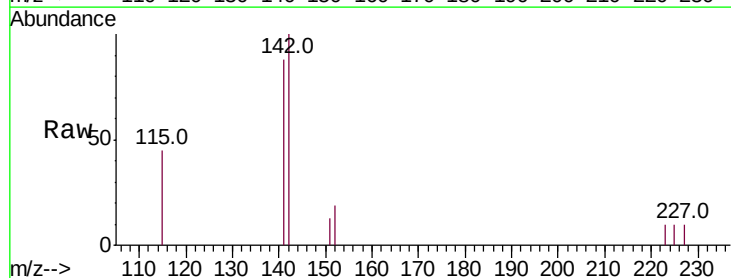
Instrument :
 BNA_E
 ClientSampleId :

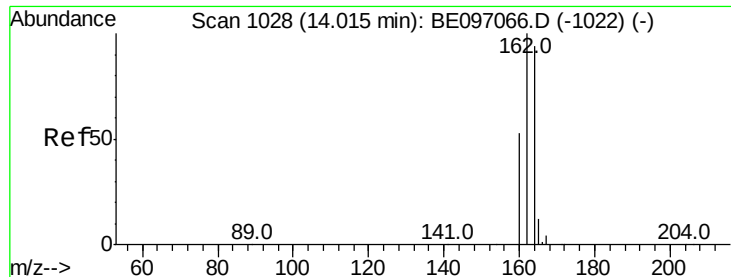
Tot Ion:152 Resp: 2974
 Ion Ratio Lower Upper
 152 100
 151 19.9 15.4 23.0



#12
 2-Methylnaphthalene
 Concen: 0.091 ng
 RT: 11.81 min Scan# 778
 Delta R.T. 0.00 min
 Lab File: BE097110.D
 Acq: 26 Jul 2018 19:44

Tgt Ion:142 Resp: 759
 Ion Ratio Lower Upper
 142 100
 141 88.4 70.4 105.6
 115 44.8 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

Instrument :

BNA_E

ClientSampleId :

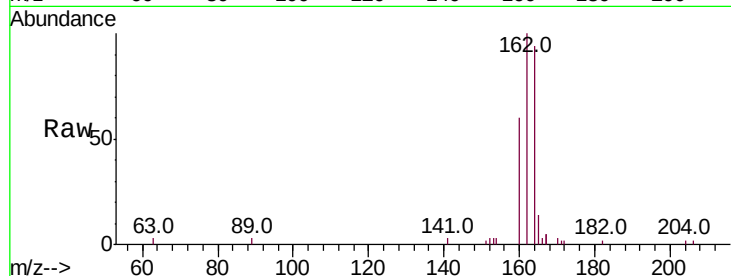
Tot Ion:164 Resp: 3208

Ion Ratio Lower Upper

164 100

162 106.1 83.1 124.7

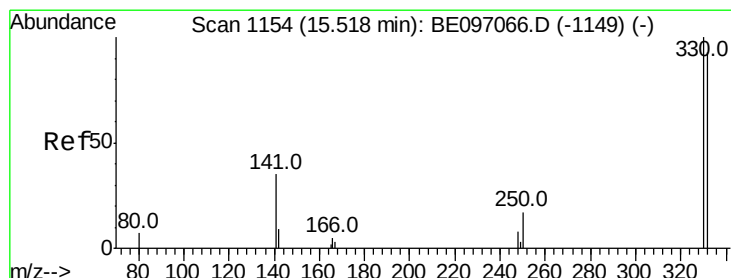
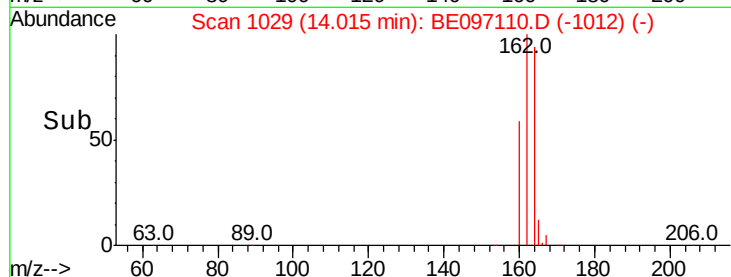
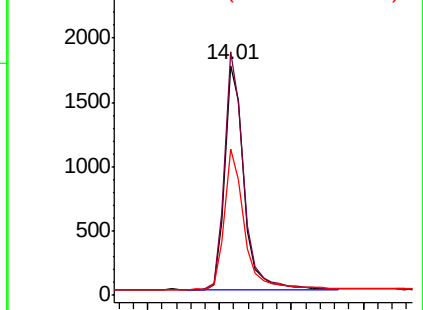
160 63.5 37.1 55.7#



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: 0.215 ng

RT: 15.53 min Scan# 1156

Delta R.T. 0.01 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

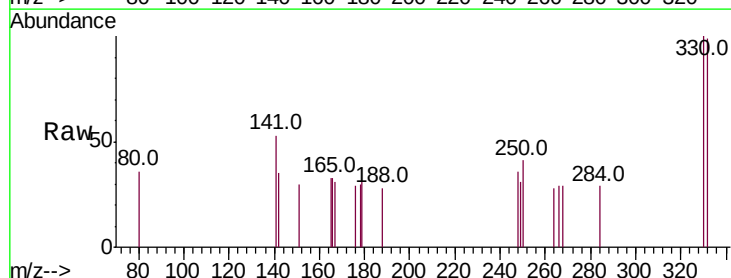
Tgt Ion:330 Resp: 227

Ion Ratio Lower Upper

330 100

332 102.6 152.7 229.1#

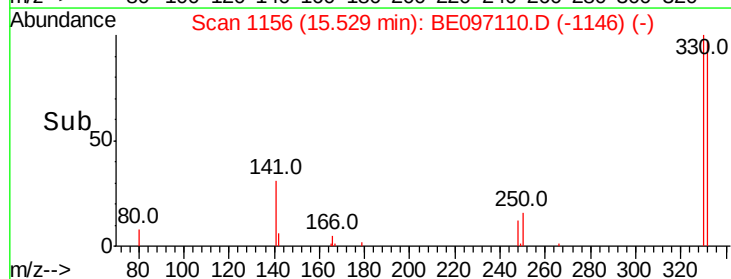
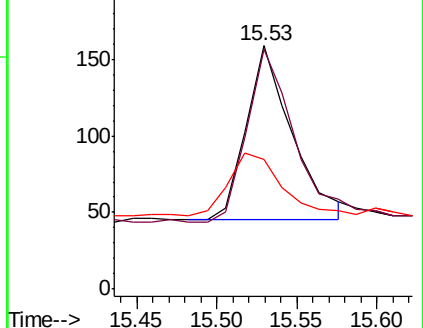
141 41.4 33.7 50.5

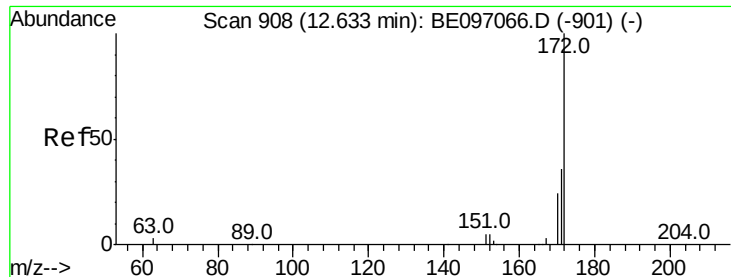


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

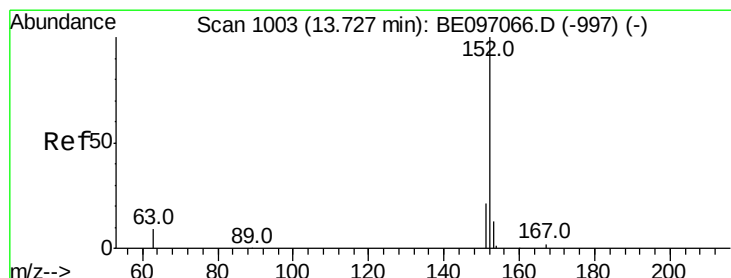
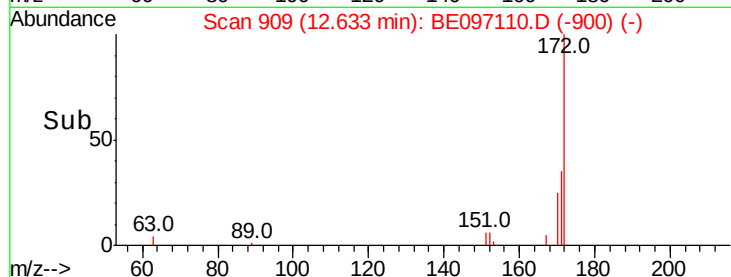
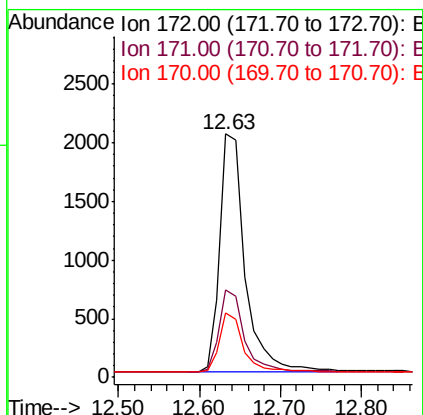
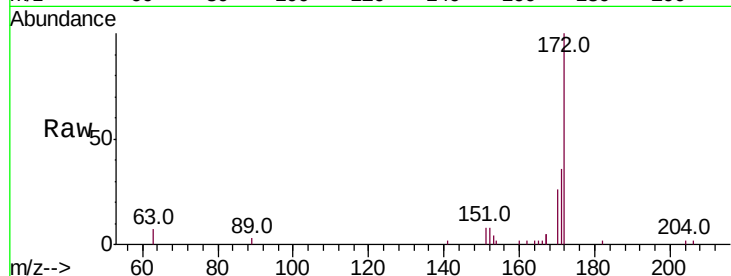




#15
2-Fluorobiphenyl
Concen: 0.398 ng
RT: 12.63 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

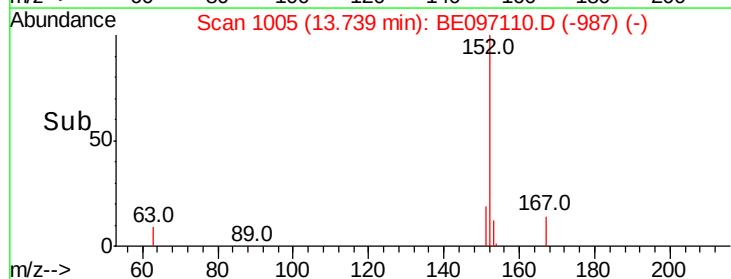
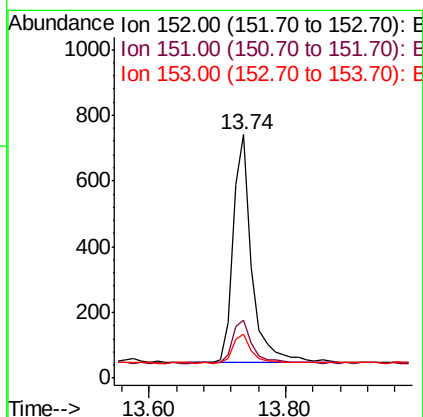
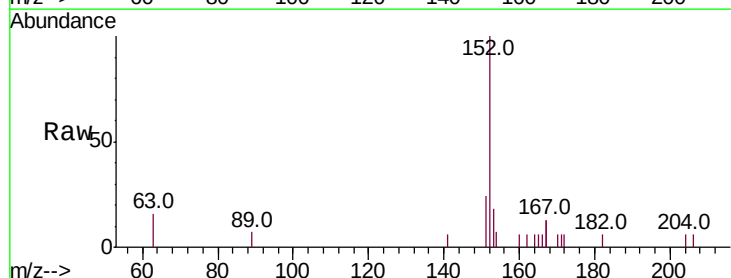
Instrument :
BNA_E
ClientSampleId :

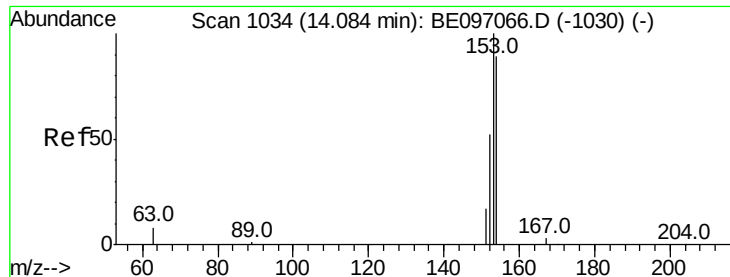
Tot Ion:172 Resp: 4415
Ion Ratio Lower Upper
172 100
171 36.0 29.9 44.9
170 26.2 21.8 32.8



#16
Acenaphthylene
Concen: 0.093 ng
RT: 13.74 min Scan# 1005
Delta R.T. 0.01 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Tgt Ion:152 Resp: 1338
Ion Ratio Lower Upper
152 100
151 20.3 15.7 23.5
153 13.1 10.5 15.7





#17

Acenaphthene

Concen: 0.092 ng

RT: 14.08 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

Instrument :

BNA_E

ClientSampleId :

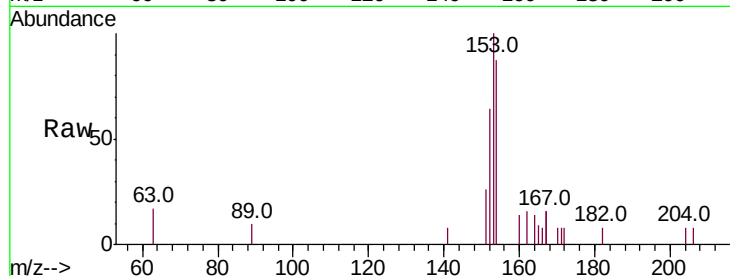
Tot Ion:154 Resp: 766

Ion Ratio Lower Upper

154 100

153 118.5 89.2 133.8

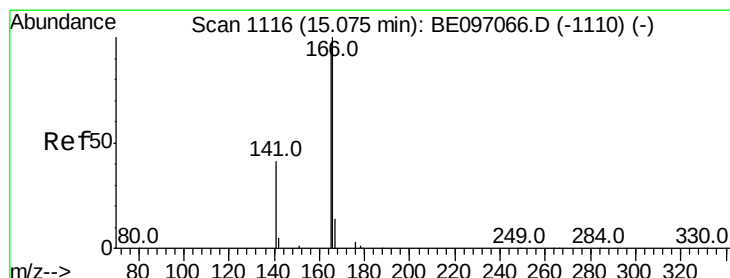
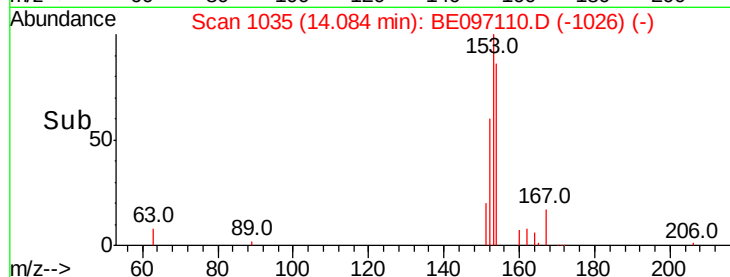
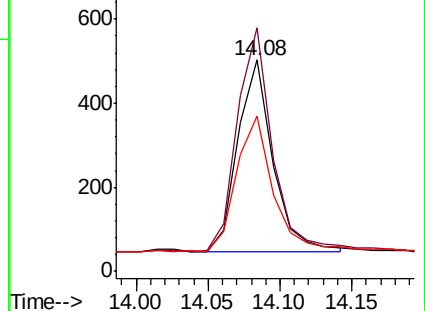
152 73.6 42.0 63.0#



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: 0.087 ng

RT: 15.07 min Scan# 1117

Delta R.T. -0.00 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

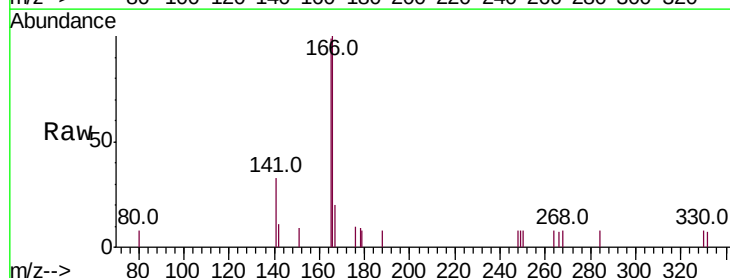
Tgt Ion:166 Resp: 957

Ion Ratio Lower Upper

166 100

165 101.7 77.8 116.6

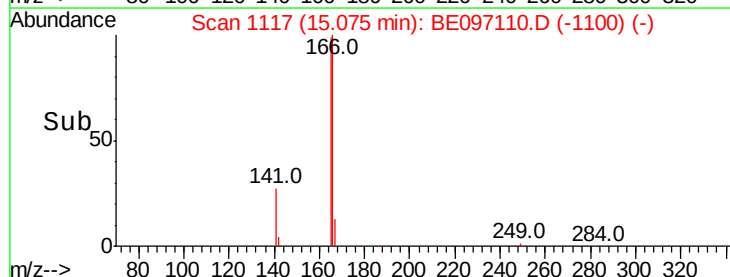
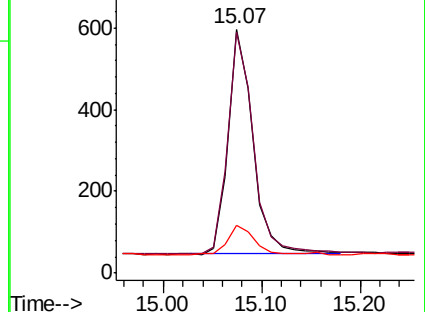
167 15.0 42.4 63.6#

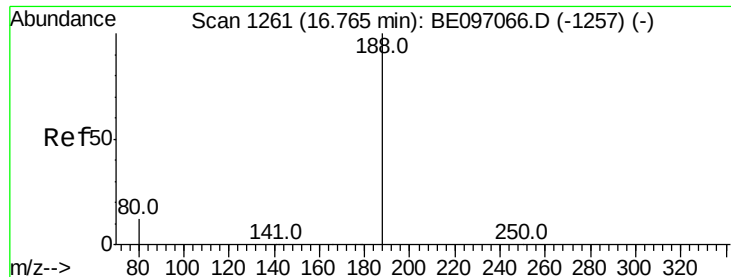


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.78 min Scan# 1263

Delta R.T. 0.01 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

Instrument :

BNA_E

ClientSampleId :

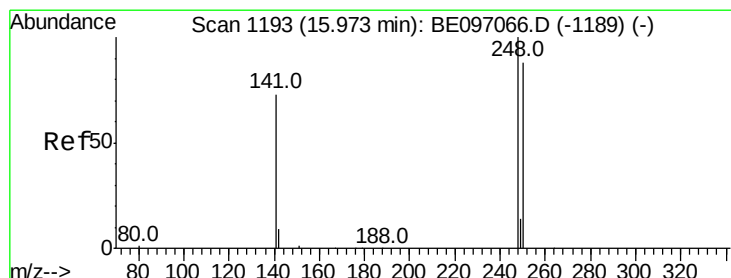
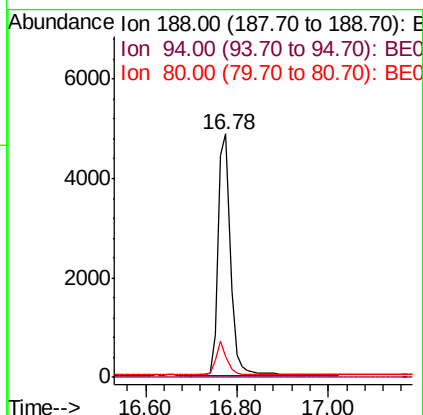
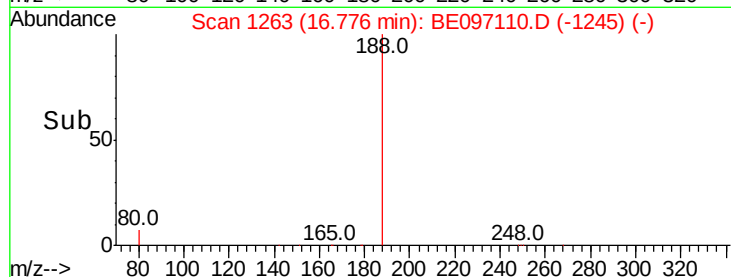
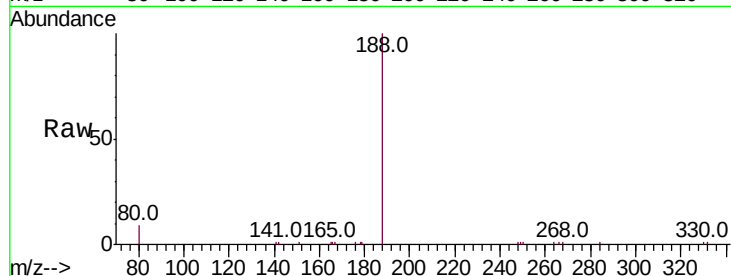
Tot Ion:188 Resp: 8980

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

80 8.6 3.6 5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.090 ng

RT: 15.98 min Scan# 1195

Delta R.T. 0.01 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

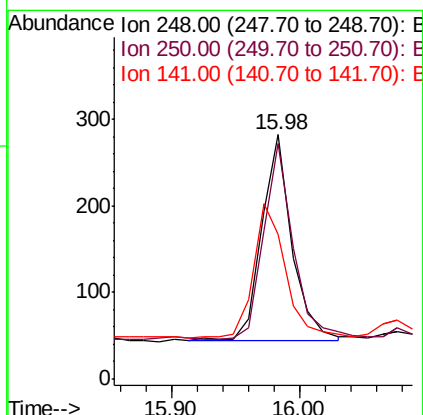
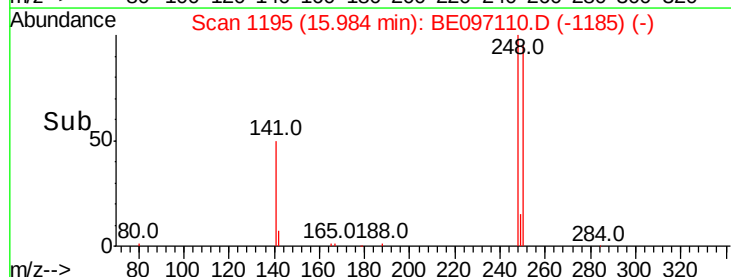
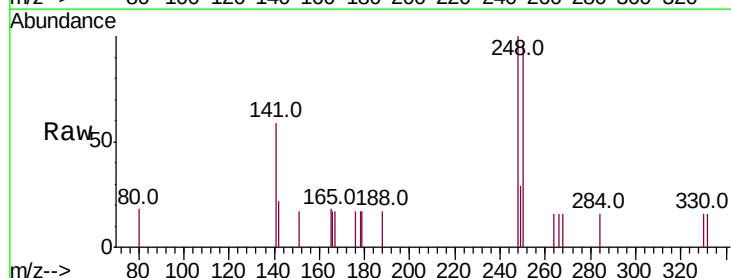
Tgt Ion:248 Resp: 394

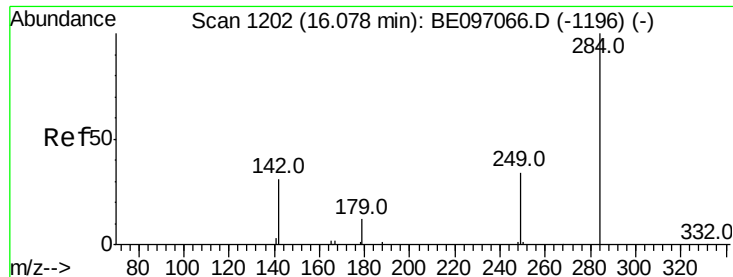
Ion Ratio Lower Upper

248 100

250 96.5 62.7 94.1#

141 59.2 48.2 72.2





#21

Hexachlorobenzene

Concen: 0.100 ng

RT: 16.08 min Scan# 1203

Delta R.T. -0.00 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

Instrument :

BNA_E

ClientSampleId :

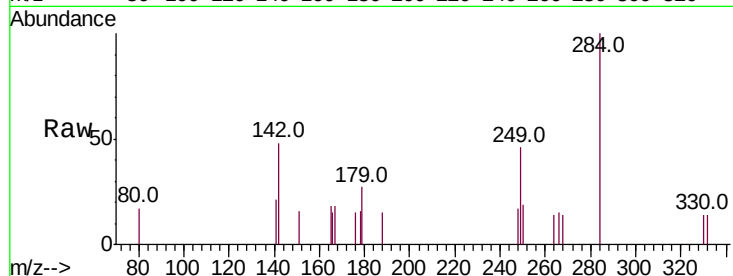
Tot Ion:284 Resp: 468

Ion Ratio Lower Upper

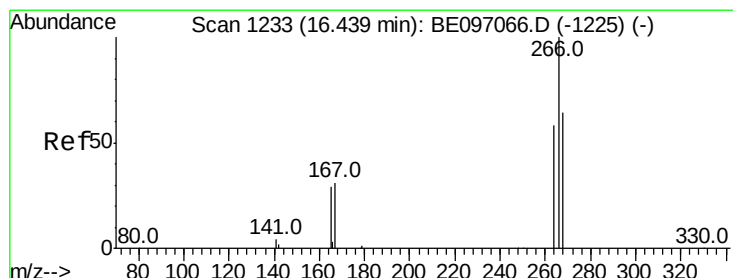
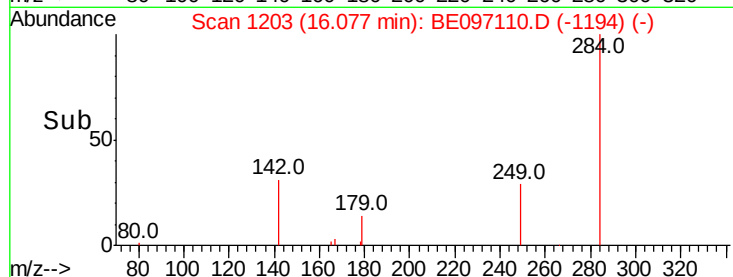
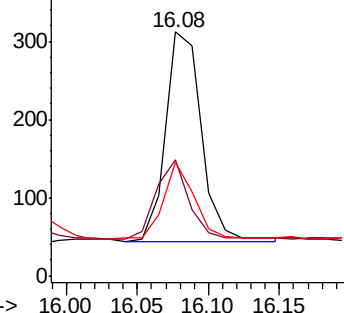
284 100

142 34.6 22.1 33.1#

249 31.6 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: 0.095 ng

RT: 16.46 min Scan# 1236

Delta R.T. 0.02 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

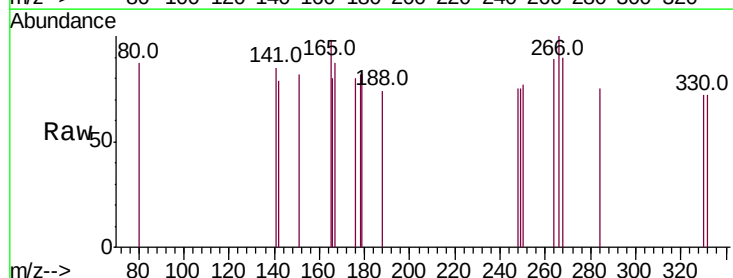
Tgt Ion:266 Resp: 67

Ion Ratio Lower Upper

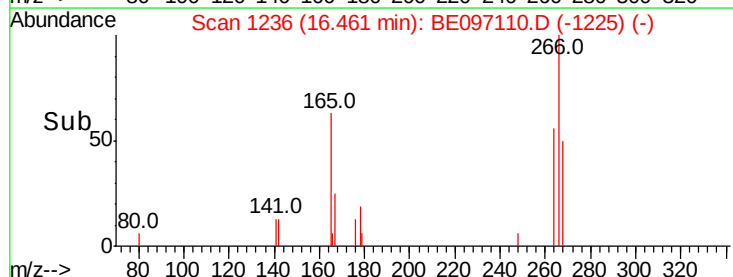
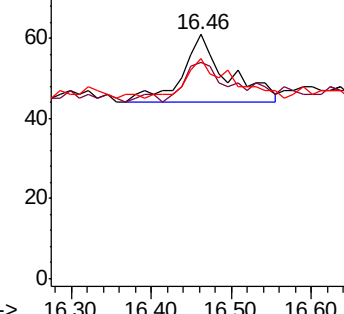
266 100

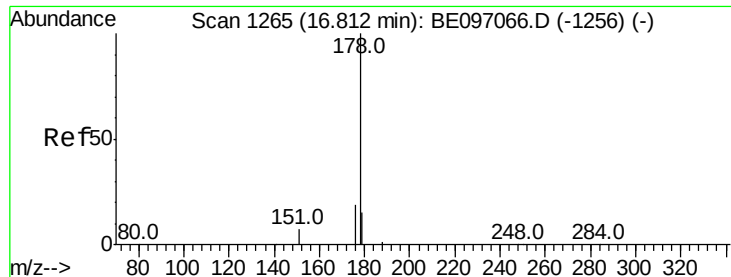
264 88.5 72.5 108.7

268 90.2 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: 0.091 ng

RT: 16.81 min Scan# 1266

Delta R.T. -0.00 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

Instrument :

BNA_E

ClientSampleId :

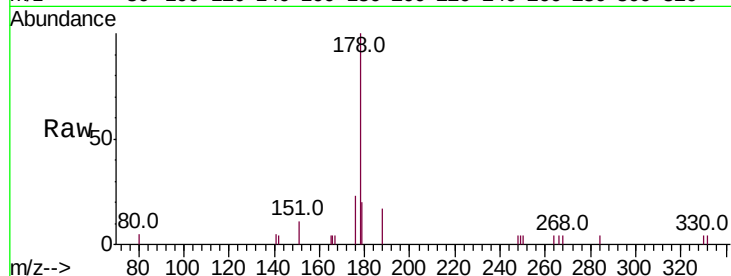
Tot Ion:178 Resp: 1942

Ion Ratio Lower Upper

178 100

176 19.8 15.1 22.7

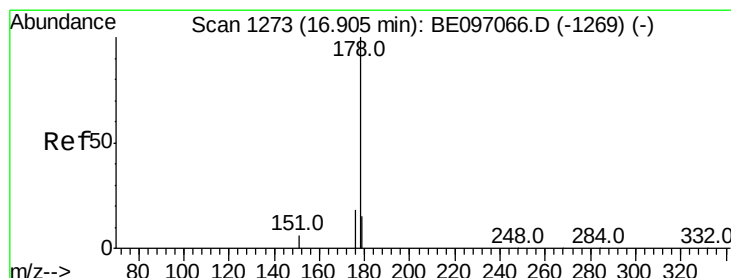
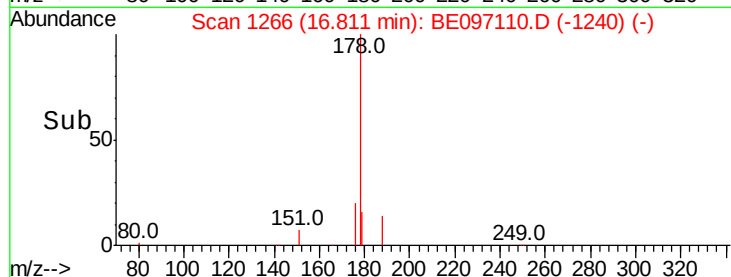
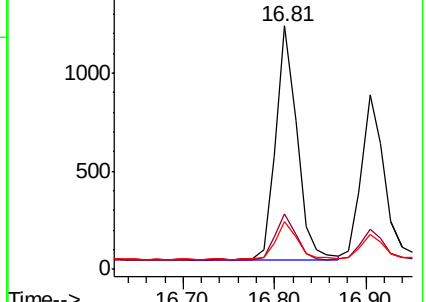
179 16.6 11.8 17.6



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: 0.077 ng

RT: 16.90 min Scan# 1274

Delta R.T. -0.00 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

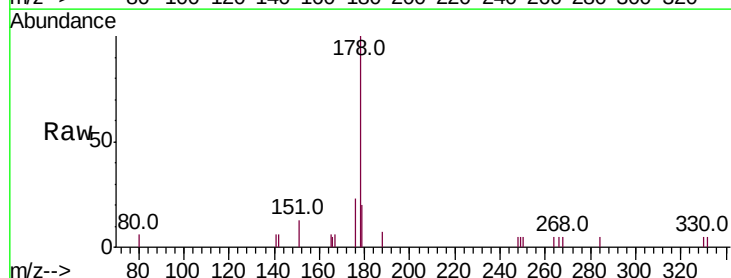
Tgt Ion:178 Resp: 1466

Ion Ratio Lower Upper

178 100

176 19.4 12.8 19.2#

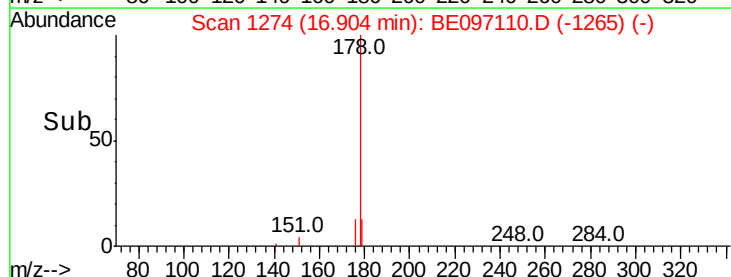
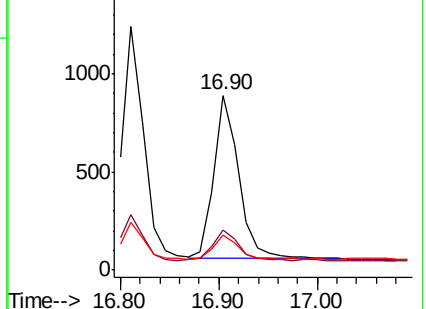
179 14.7 13.0 19.6

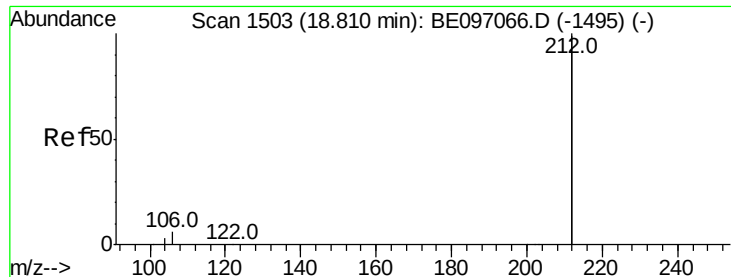


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.356 ng

RT: 18.82 min Scan# 1505

Delta R.T. 0.00 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

Instrument :

BNA_E

ClientSampleId :

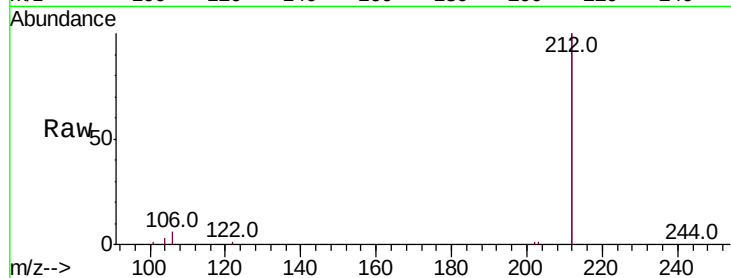
Tot Ion:212 Resp: 31958

Ion Ratio Lower Upper

212 100

106 3.0 2.8 4.2

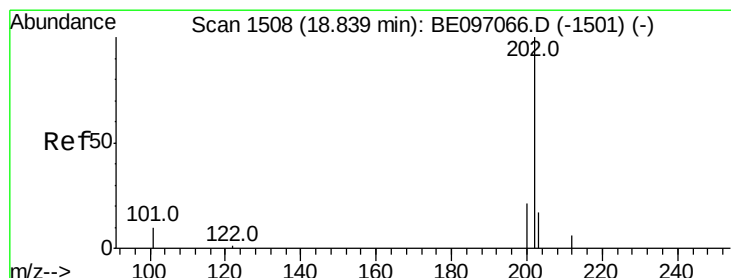
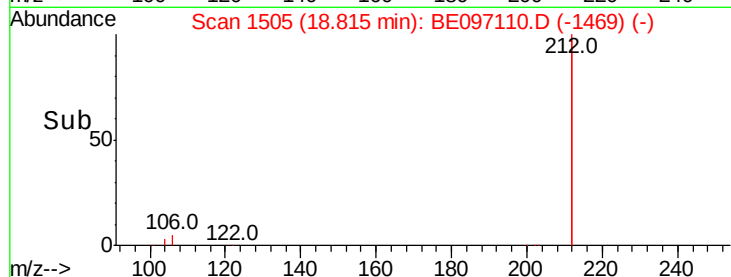
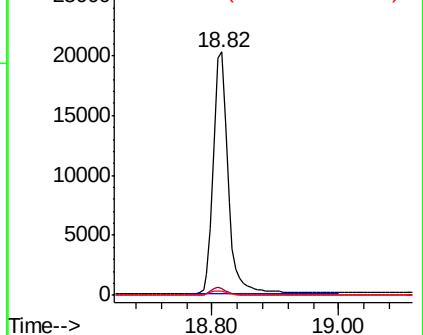
104 1.7 1.6 2.4



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: 0.081 ng

RT: 18.84 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

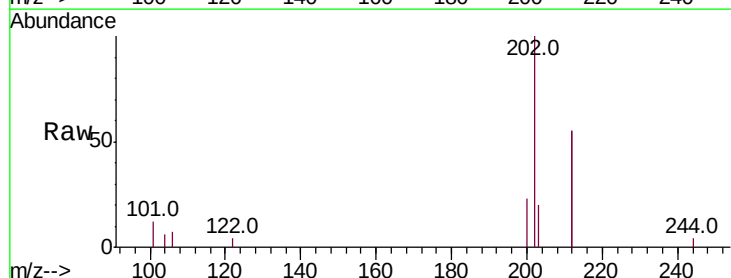
Tgt Ion:202 Resp: 1953

Ion Ratio Lower Upper

202 100

101 11.2 9.8 14.8

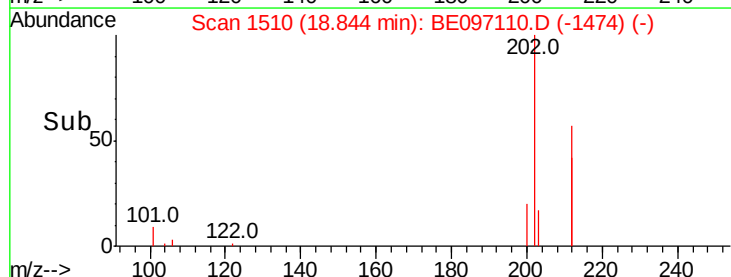
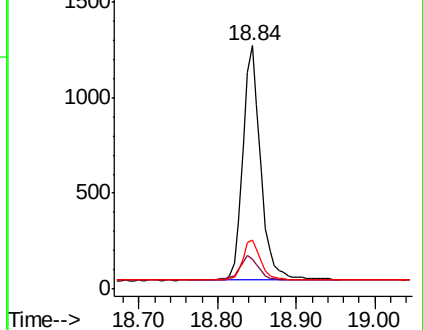
203 17.7 13.7 20.5

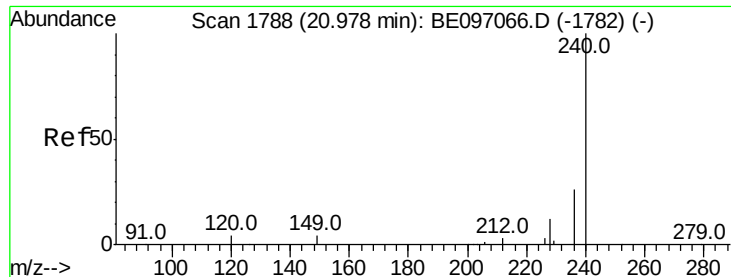


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

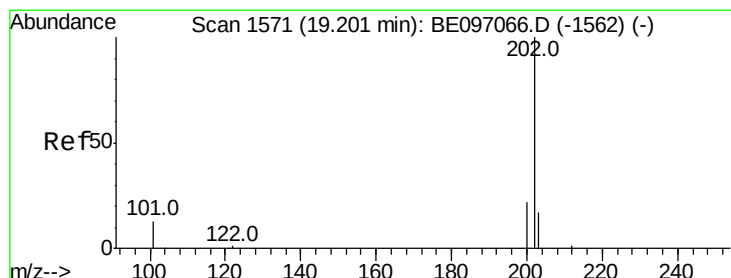
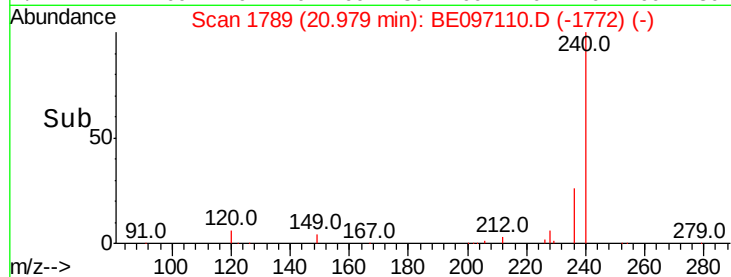
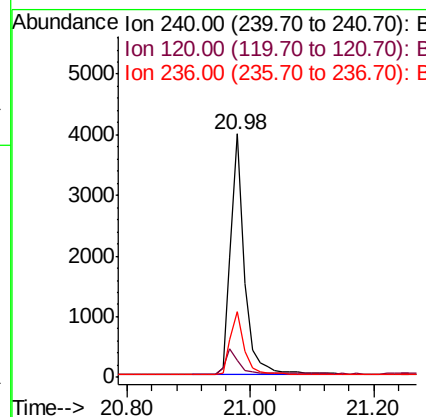
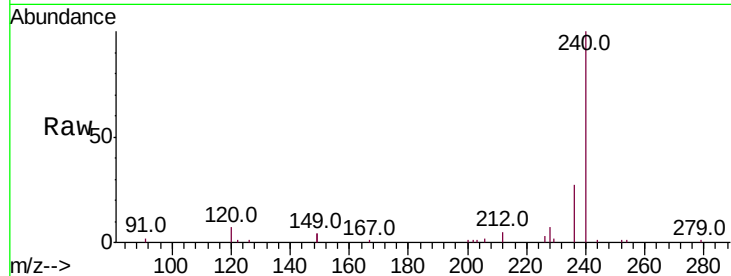




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.98 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: BE097110.D
 Acq: 26 Jul 2018 19:44

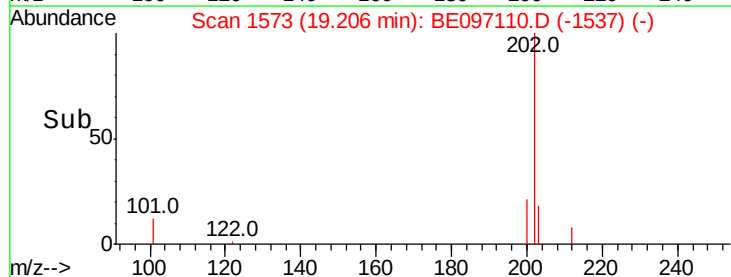
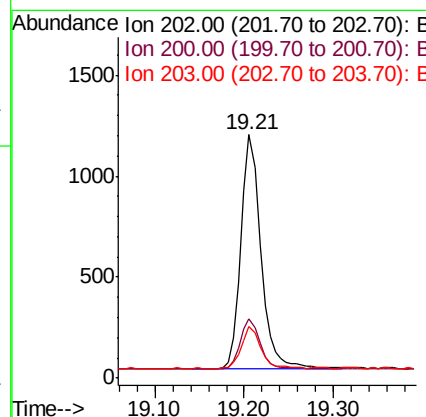
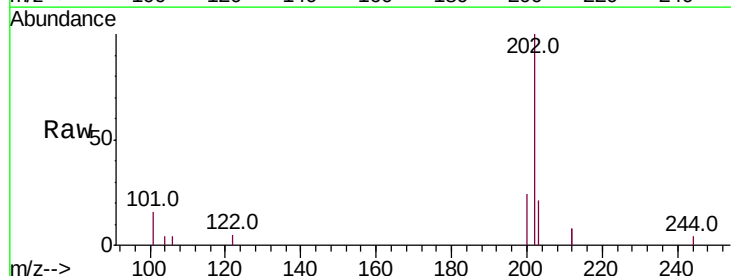
Instrument :
 BNA_E
 ClientSampleId :

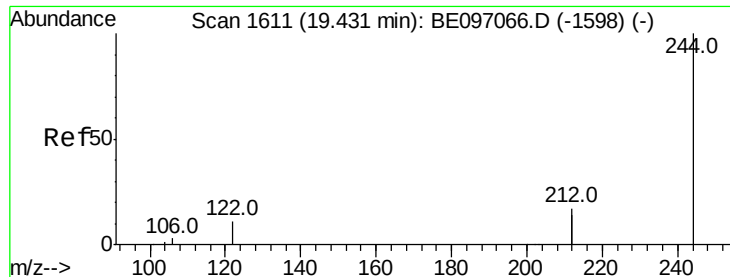
Tot Ion:240 Resp: 6235
 Ion Ratio Lower Upper
 240 100
 120 7.3 5.5 8.3
 236 27.0 20.7 31.1



#28
 Pyrene
 Concen: 0.102 ng
 RT: 19.21 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: BE097110.D
 Acq: 26 Jul 2018 19:44

Tgt Ion:202 Resp: 1740
 Ion Ratio Lower Upper
 202 100
 200 22.0 16.6 25.0
 203 17.8 13.8 20.8





#29

Terphenyl-d14

Concen: 0.404 ng

RT: 19.43 min Scan# 1612

Delta R.T. -0.00 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

Instrument :

BNA_E

ClientSampleId :

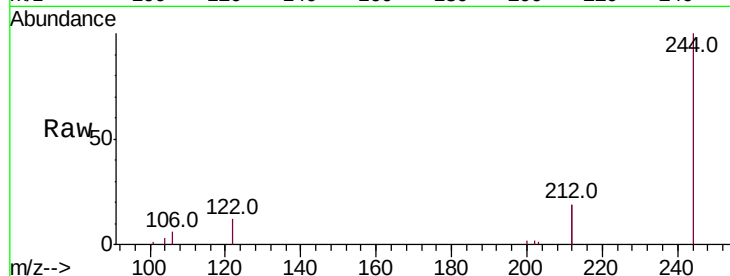
Tot Ion:244 Resp: 4837

Ion Ratio Lower Upper

244 100

212 38.1 25.4 38.0#

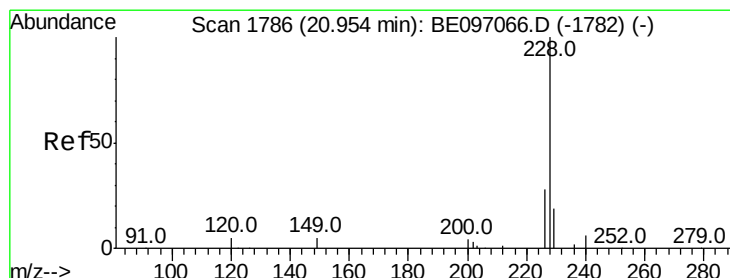
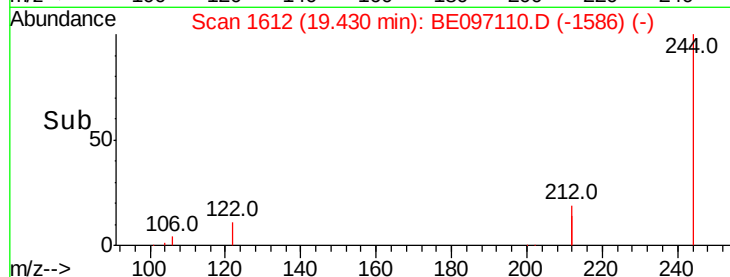
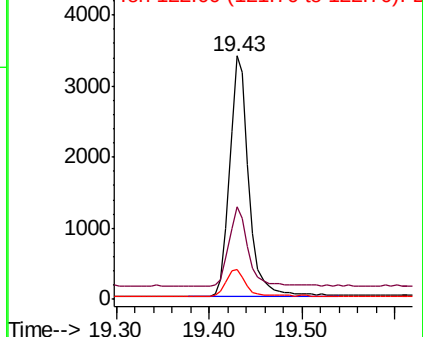
122 12.2 8.1 12.1#



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: 0.107 ng

RT: 21.02 min Scan# 1792

Delta R.T. 0.06 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

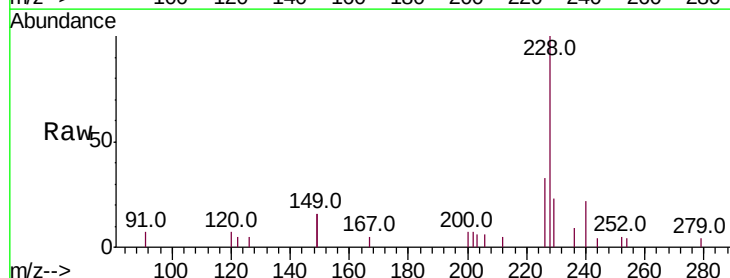
Tgt Ion:228 Resp: 1657

Ion Ratio Lower Upper

228 100

226 33.1 24.0 36.0

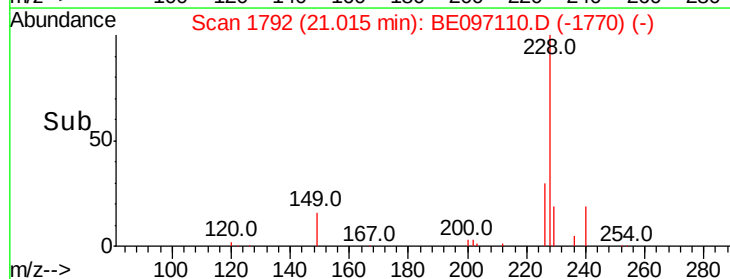
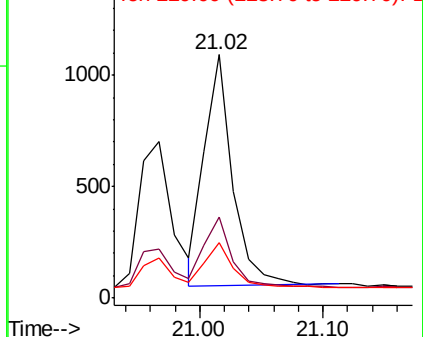
229 22.8 16.0 24.0

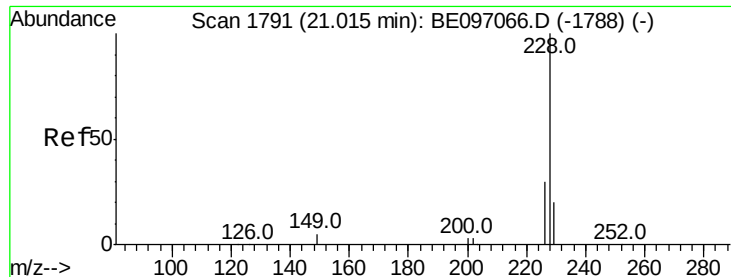


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.097 ng

RT: 21.02 min Scan# 1792

Delta R.T. 0.00 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

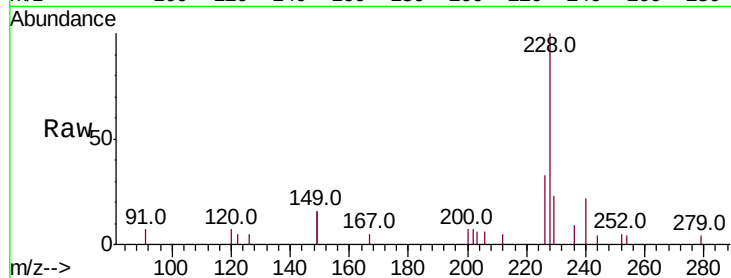
Instrument :

BNA_E

ClientSampled :

Tot Ion:228 Resp: 1617

Ion	Ratio	Lower	Upper
228	100		
226	33.1	24.0	36.0
229	22.8	16.0	24.0

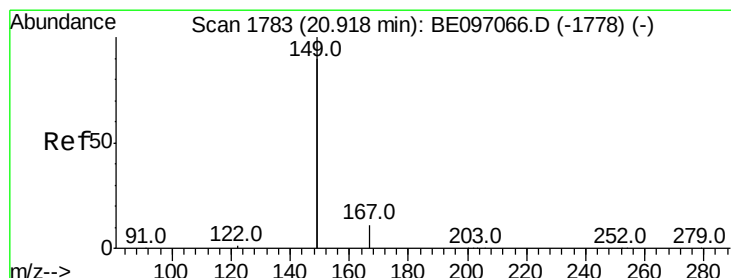
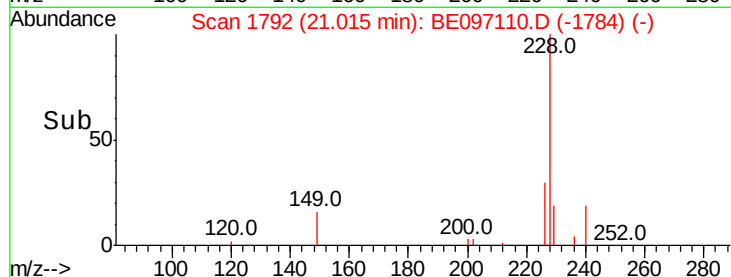
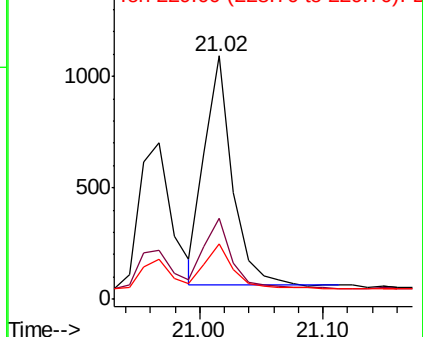


Abundance

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: 0.066 ng

RT: 20.92 min Scan# 1784

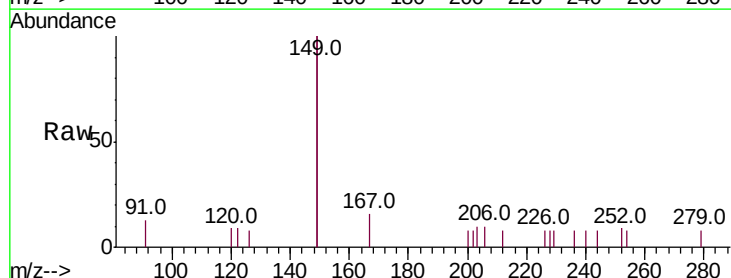
Delta R.T. 0.00 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

Tgt Ion:149 Resp: 1209

Ion	Ratio	Lower	Upper
149	100		
167	6.1	5.4	8.0
279	1.5	0.7	1.1#

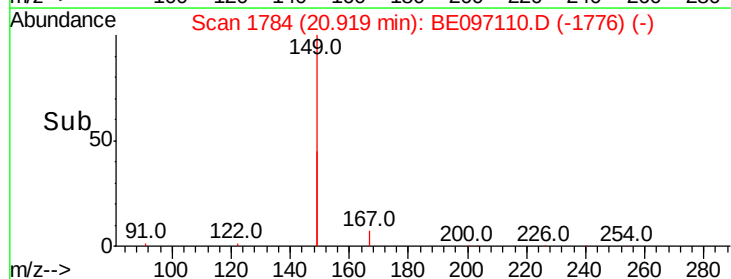
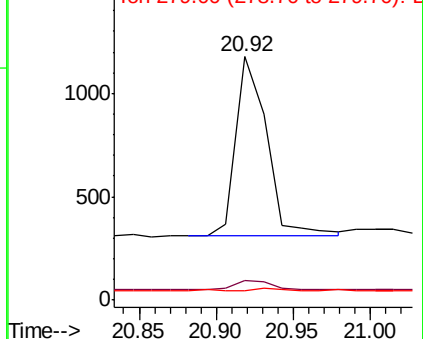


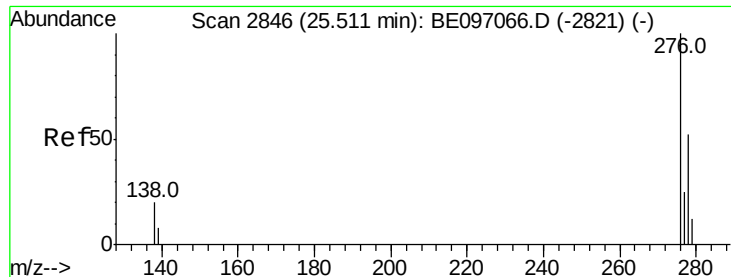
Abundance

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: 0.051 ng

RT: 25.54 min Scan# 2855

Delta R.T. 0.03 min

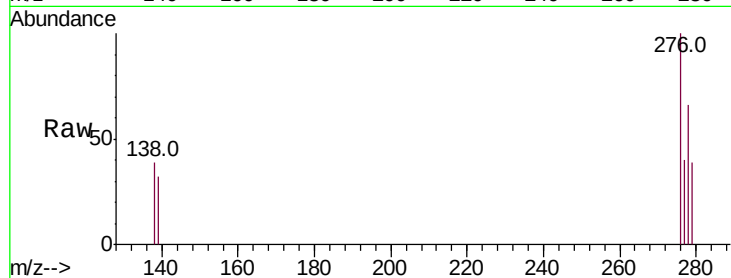
Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

Instrument :

BNA_E

ClientSampleId :



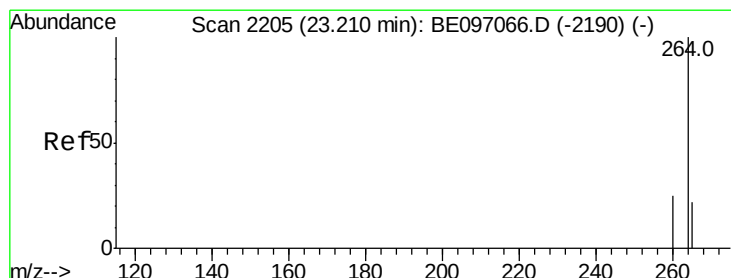
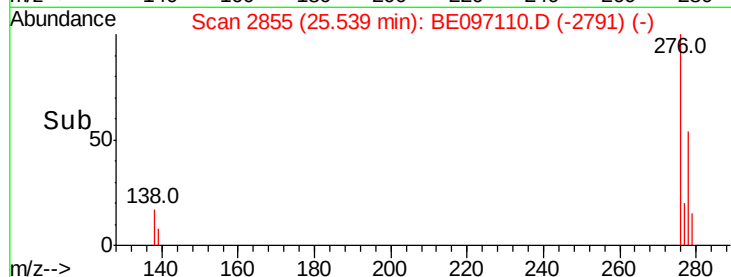
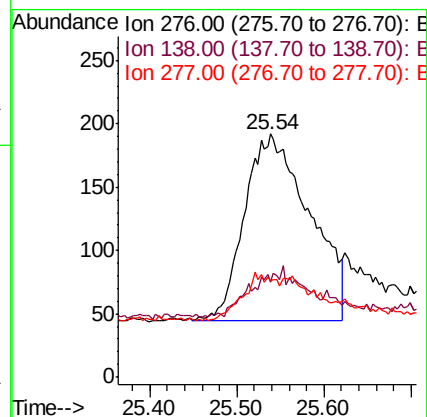
Tot Ion:276 Resp: 762

Ion Ratio Lower Upper

276 100

138 1.0 22.5 33.7#

277 0.0 19.9 29.9#



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.22 min Scan# 2208

Delta R.T. 0.01 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

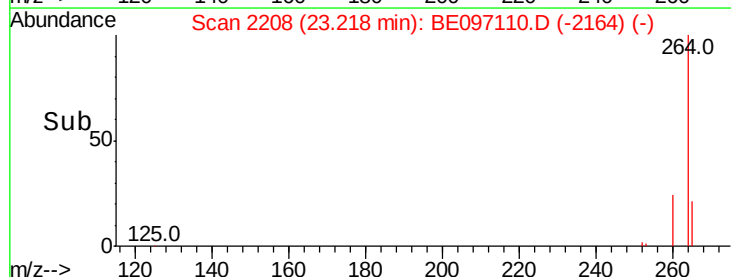
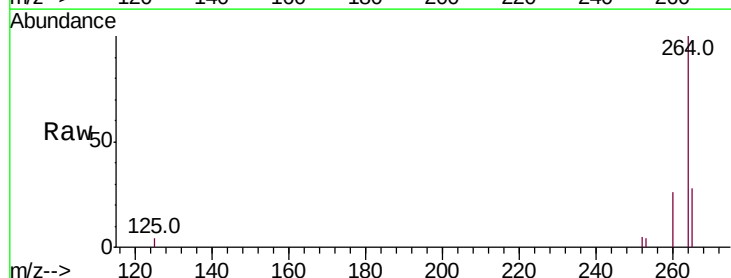
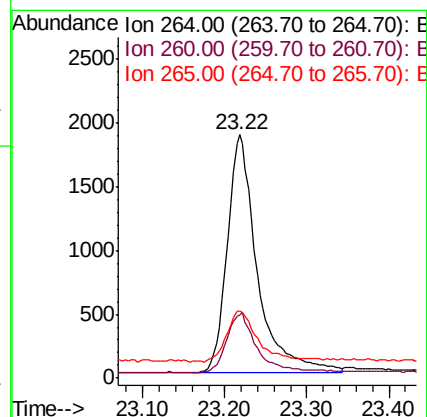
Tgt Ion:264 Resp: 4715

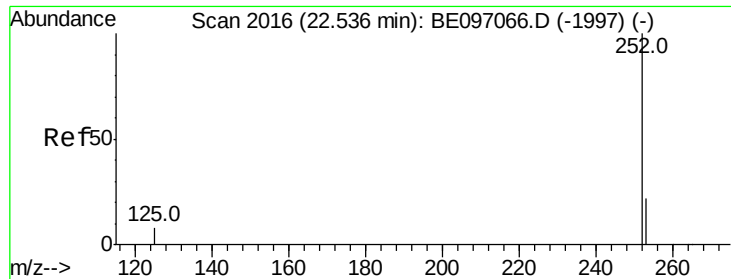
Ion Ratio Lower Upper

264 100

260 25.8 20.5 30.7

265 27.6 22.8 34.2

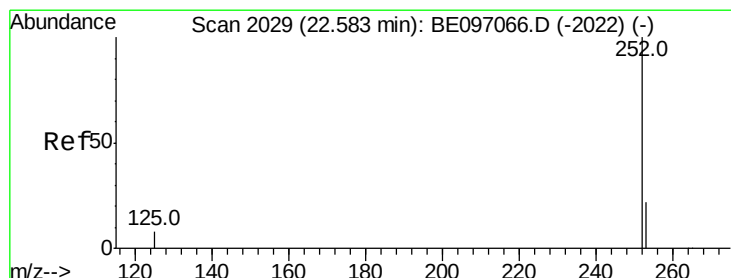
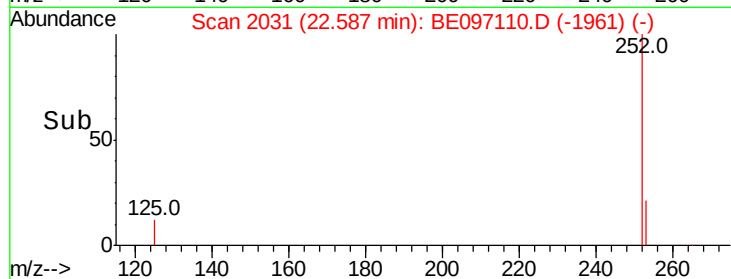
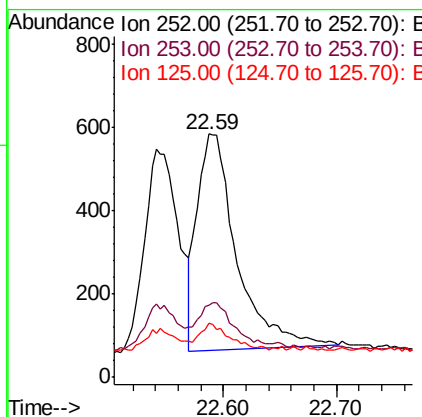
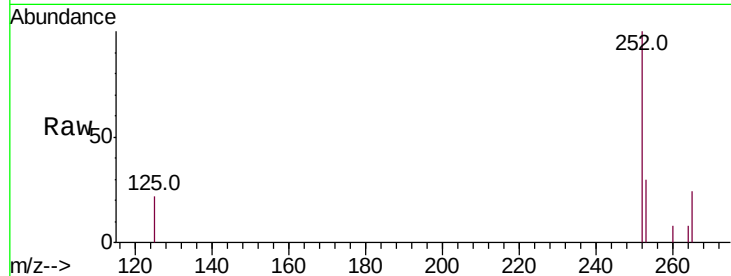




#35
Benzo(b)fluoranthene
Concen: 0.105 ng
RT: 22.59 min Scan# 2031
Delta R.T. 0.05 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

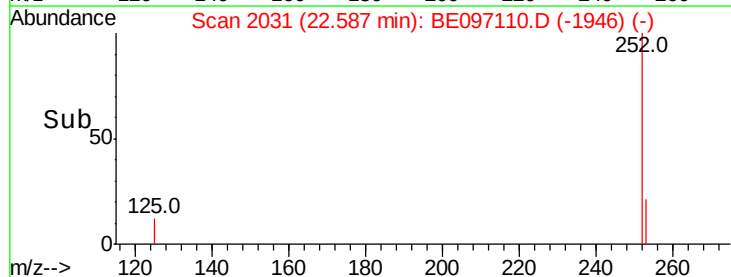
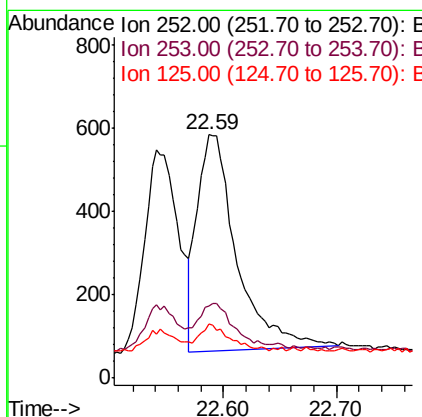
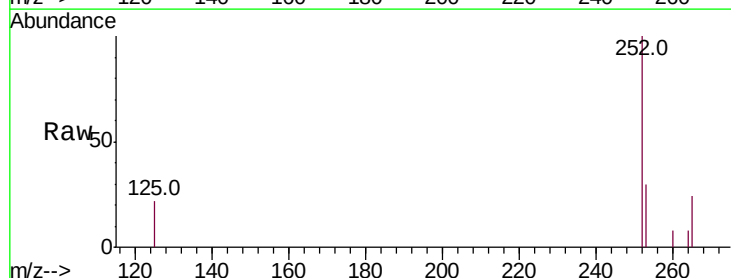
Instrument :
BNA_E
ClientSampleId :

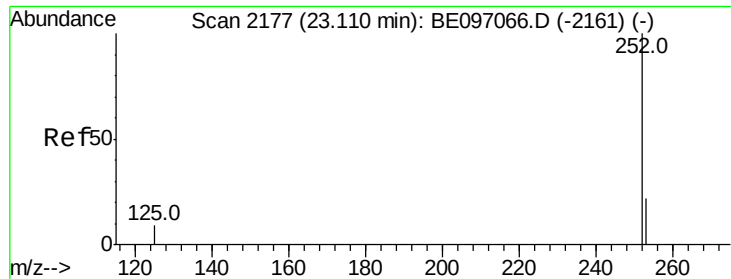
Tot Ion:252 Resp: 1261
Ion Ratio Lower Upper
252 100
253 29.7 20.0 30.0
125 22.1 16.0 24.0



#36
Benzo(k)fluoranthene
Concen: 0.090 ng
RT: 22.59 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BE097110.D
Acq: 26 Jul 2018 19:44

Tgt Ion:252 Resp: 1261
Ion Ratio Lower Upper
252 100
253 29.7 16.0 24.0#
125 22.1 8.0 12.0#





#37

Benzo(a)pyrene

Concen: 0.073 ng

RT: 23.12 min Scan# 2180

Delta R.T. 0.01 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

Instrument :

BNA_E

ClientSampleId :

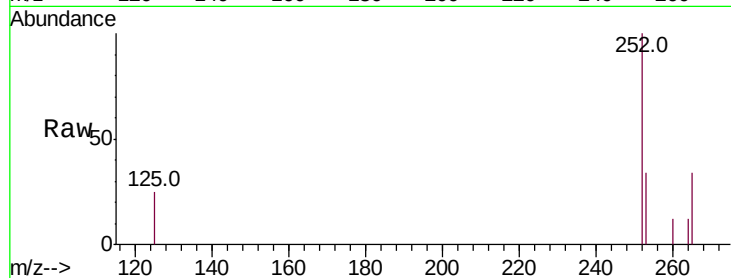
Tot Ion:252 Resp: 823

Ion Ratio Lower Upper

252 100

253 34.3 16.0 24.0#

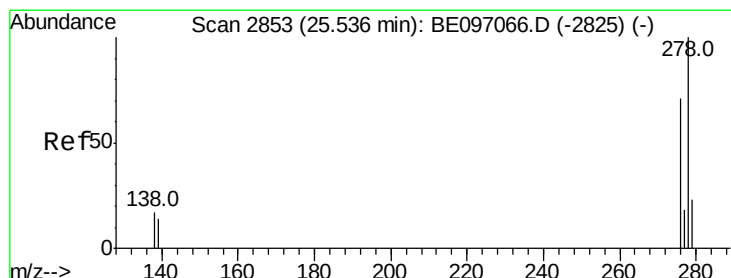
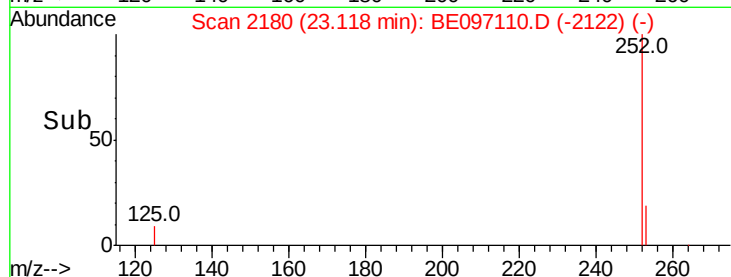
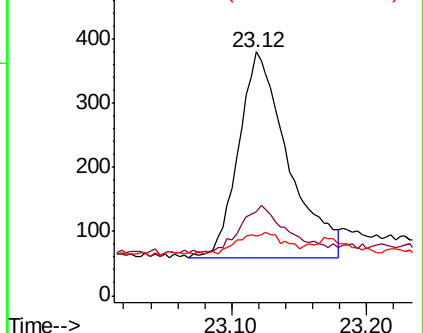
125 24.5 12.0 18.0#



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: 0.020 ng

RT: 25.56 min Scan# 2860

Delta R.T. 0.02 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

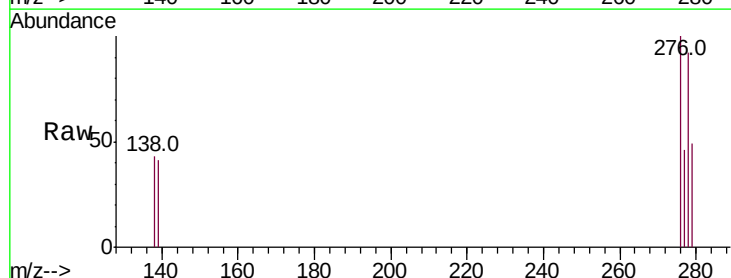
Tgt Ion:278 Resp: 222

Ion Ratio Lower Upper

278 100

139 45.2 16.0 24.0#

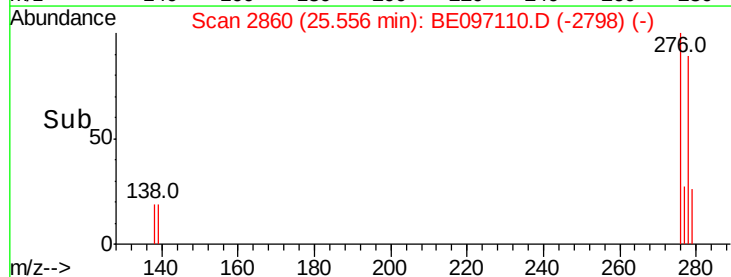
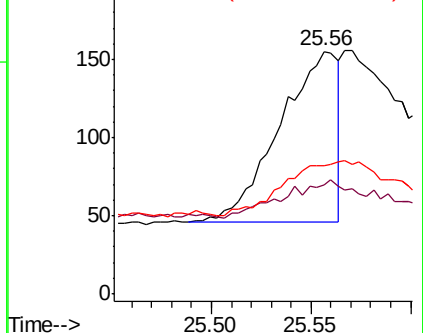
279 52.9 20.0 30.0#

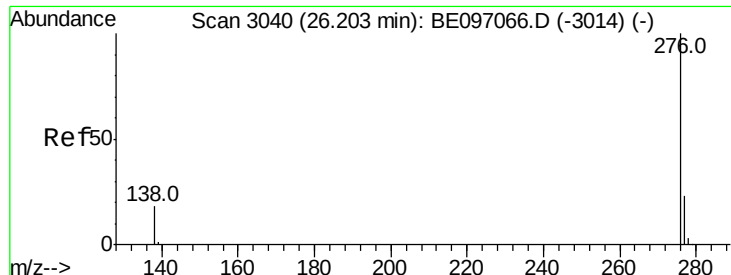


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.070 ng

RT: 26.22 min Scan# 3047

Delta R.T. 0.02 min

Lab File: BE097110.D

Acq: 26 Jul 2018 19:44

Instrument :

BNA_E

ClientSampleId :

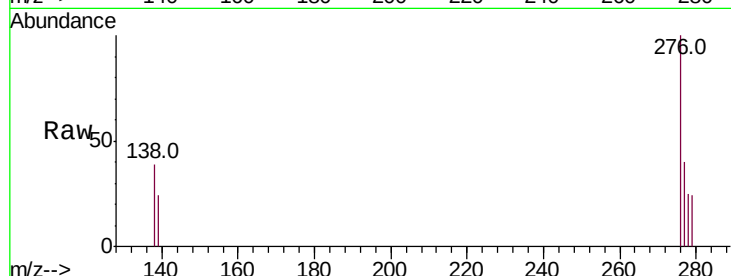
Tot Ion:276 Resp: 838

Ion Ratio Lower Upper

276 100

277 40.0 16.0 24.0#

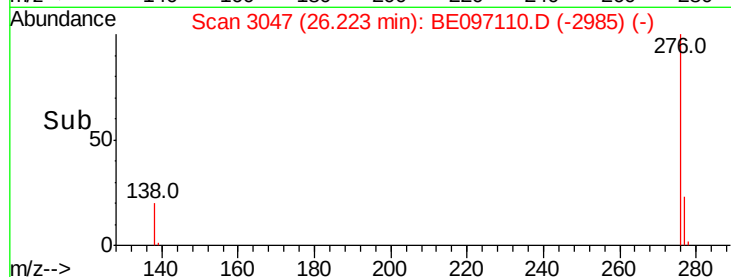
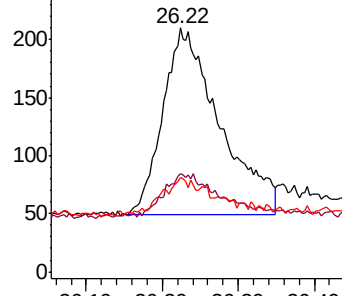
138 38.6 20.0 30.0#



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



Time-->