

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE082018\
 Data File : BE097344.D
 Acq On : 20 Aug 2018 22:34
 Operator : SJ/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 21 00:50:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE082018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 20 18:32:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1096	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6188	0.40	ng	0.01
13) Acenaphthene-d10	14.01	164	3406	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	7949	0.40	ng	0.00
27) Chrysene-d12	20.97	240	7487	0.40	ng	-0.01
34) Perylene-d12	23.22	264	6471	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.05	112	1276	0.51	ng	0.00
5) Phenol-d6	6.59	99	1932	0.52	ng	0.00
8) Nitrobenzene-d5	8.52	82	1502	0.57	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	3670	0.44	ng	0.00
14) 2,4,6-Tribromophenol	15.53	330	329	0.51	ng	0.00
15) 2-Fluorobiphenyl	12.63	172	5160	0.37	ng	0.00
25) Fluoranthene-d10	18.80	212	30910	0.44	ng	0.00
29) Terphenyl-d14	19.42	244	6145	0.41	ng	0.00

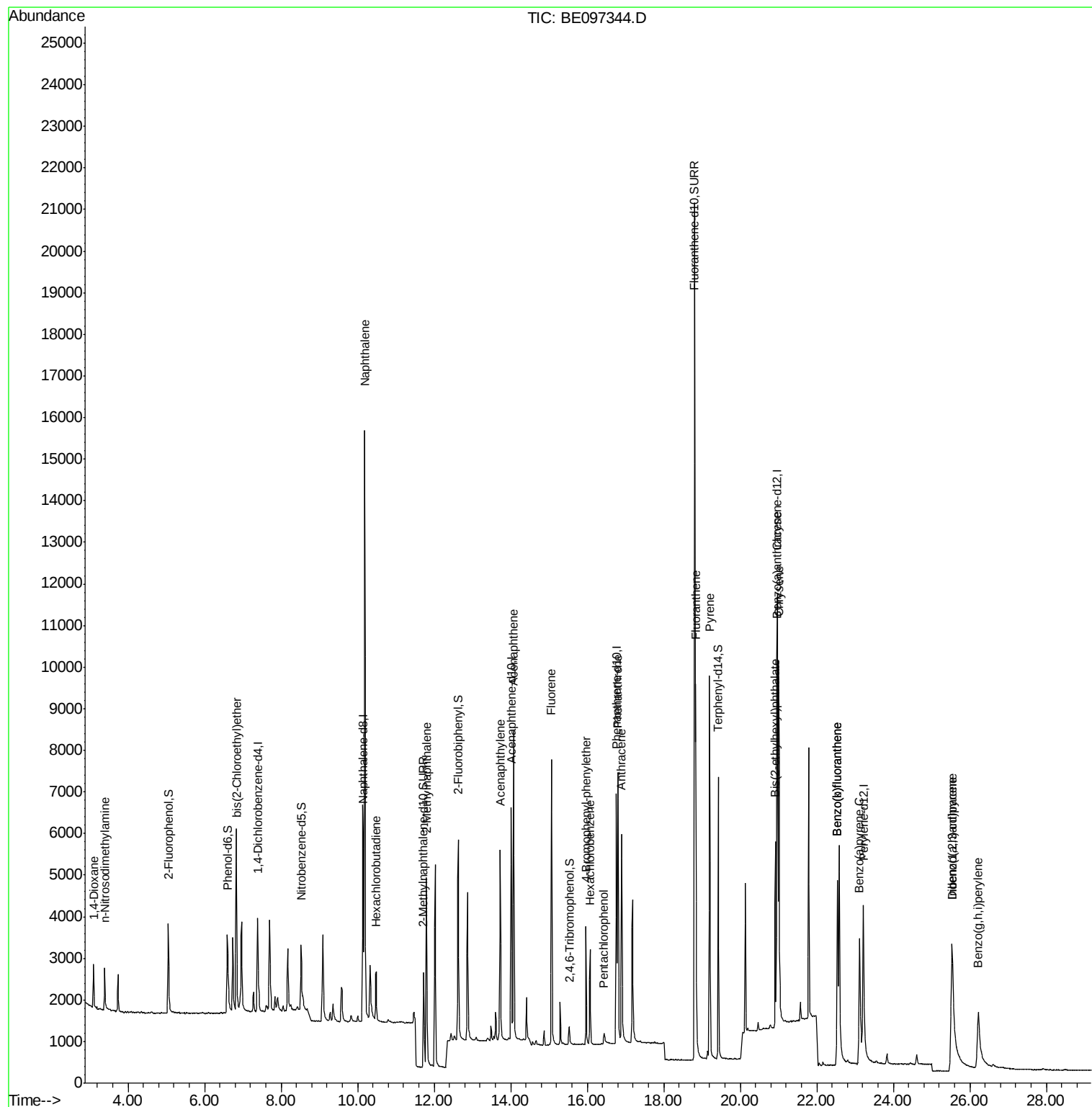
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.09	88	652	0.398	ng	# 87
3) n-Nitrosodimethylamine	3.38	42	710	0.468	ng	# 91
6) bis(2-Chloroethyl)ether	6.84	93	1642	0.443	ng	95
9) Naphthalene	10.18	128	23030	0.406	ng	100
10) Hexachlorobutadiene	10.48	225	952	0.382	ng	97
12) 2-Methylnaphthalene	11.80	142	3717	0.435	ng	99
16) Acenaphthylene	13.73	152	5292	0.408	ng	100
17) Acenaphthene	14.07	154	3690	0.403	ng	94
18) Fluorene	15.06	166	4411	0.394	ng	# 79
20) 4-Bromophenyl-phenylether	15.97	248	1530	0.426	ng	# 83
21) Hexachlorobenzene	16.08	284	1838	0.382	ng	# 81
22) Pentachlorophenol	16.44	266	238	0.643	ng	85
23) Phenanthrene	16.80	178	7777	0.401	ng	99
24) Anthracene	16.89	178	6421	0.447	ng	96
26) Fluoranthene	18.84	202	8229	0.441	ng	98
28) Pyrene	19.20	202	8762	0.436	ng	100
30) Benzo(a)anthracene	20.96	228	6952	0.432	ng	98
31) Chrysene	21.00	228	8496	0.403	ng	99
32) Bis(2-ethylhexyl)phthalate	20.92	149	5657	0.636	ng	100
33) Indeno(1,2,3-cd)pyrene	25.54	276	6607	0.493	ng	# 91
35) Benzo(b)fluoranthene	22.54	252	6197	0.363	ng	# 89
36) Benzo(k)fluoranthene	22.54	252	6197	0.259	ng	94
37) Benzo(a)pyrene	23.12	252	6408	0.412	ng	94
38) Dibenzo(a,h)anthracene	25.55	278	4953	0.373	ng	98
39) Benzo(g,h,i)perylene	26.22	276	5161	0.386	ng	# 92

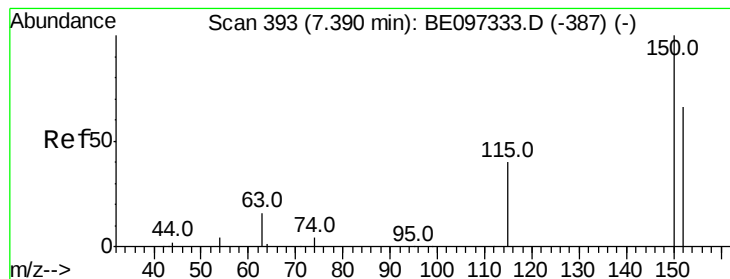
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 20 18:32:10 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 393

Delta R.T. -0.00 min

Lab File: BE097344.D

Acq: 20 Aug 2018 22:34

Instrument :

BNA_E

ClientSampleId :

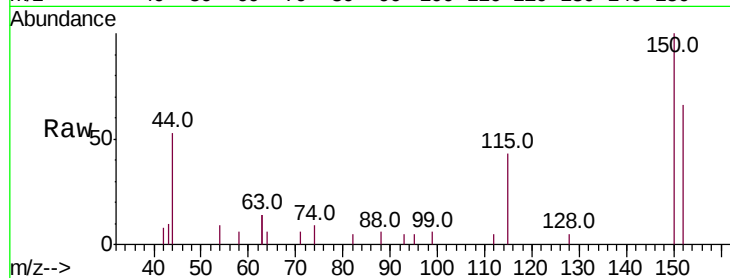
Tot Ion:152 Resp: 1096

Ion Ratio Lower Upper

152 100

150 150.7 117.2 175.8

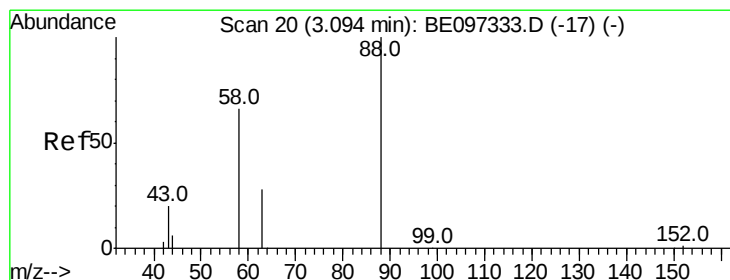
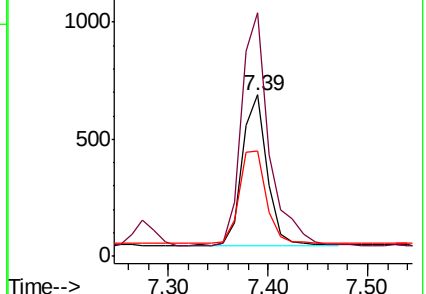
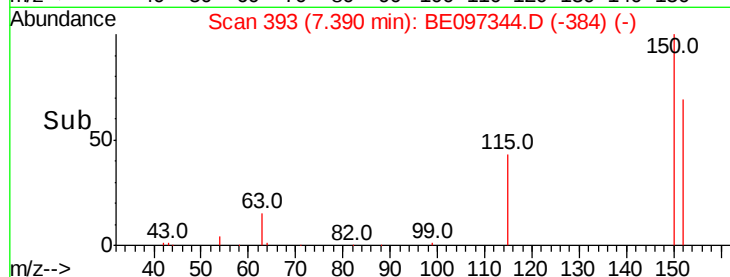
115 65.4 57.0 85.6



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: 0.398 ng

RT: 3.09 min Scan# 20

Delta R.T. 0.00 min

Lab File: BE097344.D

Acq: 20 Aug 2018 22:34

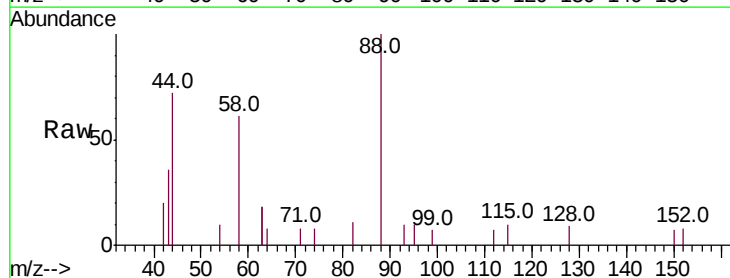
Tgt Ion: 88 Resp: 652

Ion Ratio Lower Upper

88 100

58 82.4 63.2 94.8

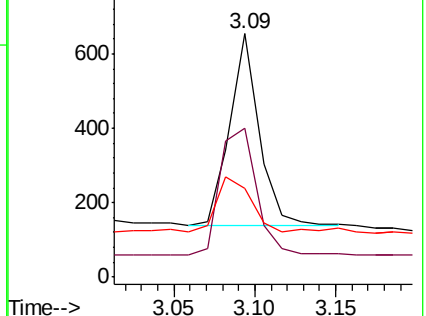
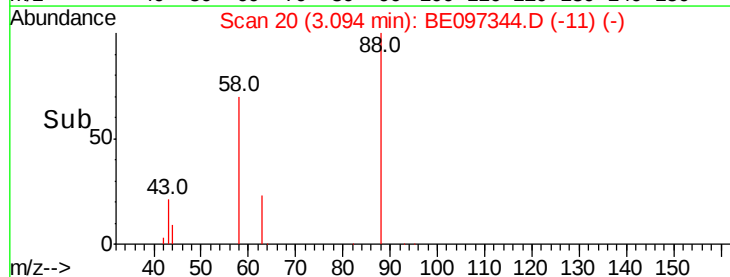
43 33.3 41.2 61.8#

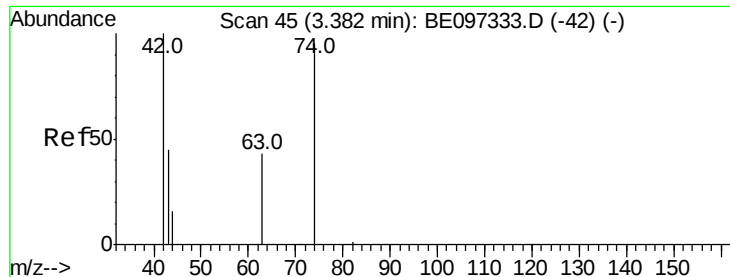


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



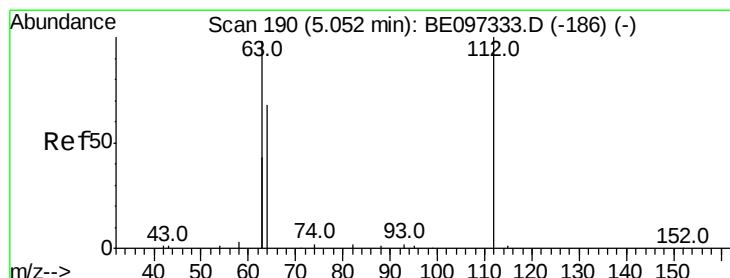
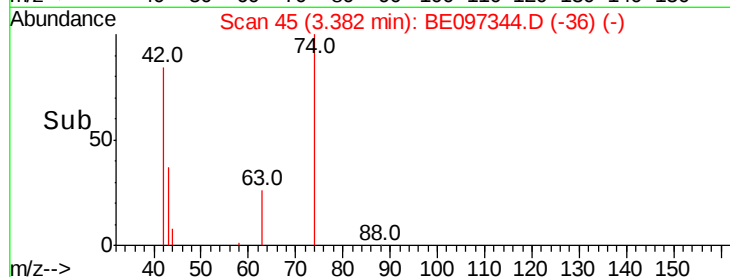
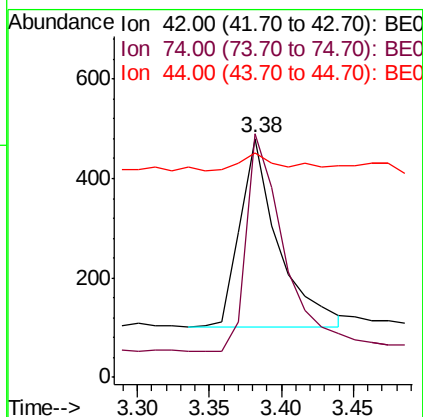
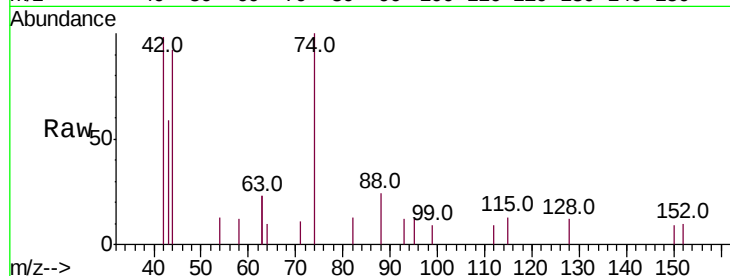


#3

n-Nitrosodimethylamine
 Concen: 0.468 ng
 RT: 3.38 min Scan# 45
 Delta R.T. -0.00 min
 Lab File: BE097344.D
 Acq: 20 Aug 2018 22:34

Instrument :
 BNA_E
 ClientSampleId :

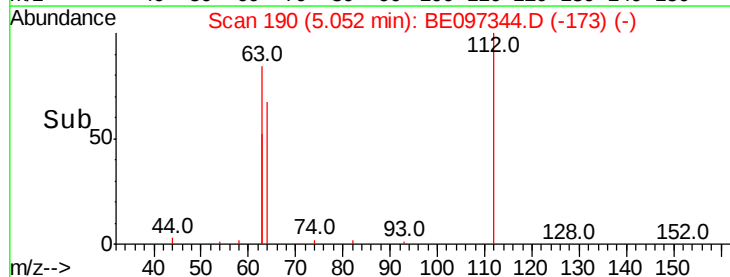
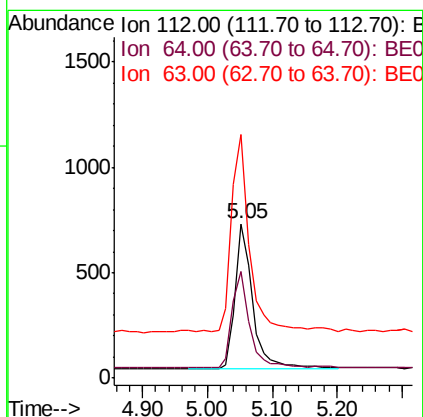
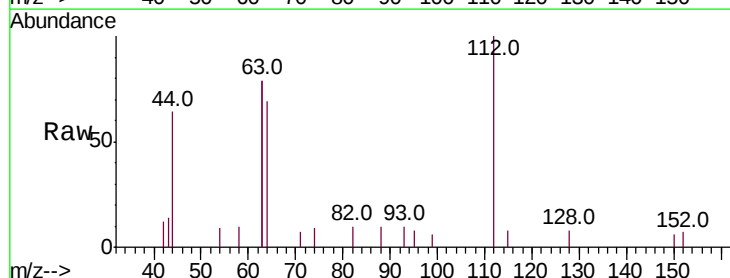
Tot Ion: 42 Resp: 710
 Ion Ratio Lower Upper
 42 100
 74 111.4 96.0 144.0
 44 7.0 12.0 18.0#

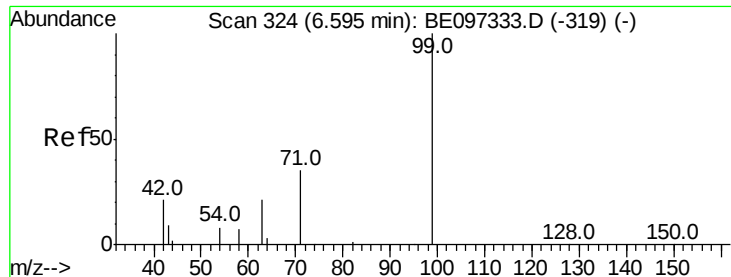


#4

2-Fluorophenol
 Concen: 0.508 ng
 RT: 5.05 min Scan# 190
 Delta R.T. -0.00 min
 Lab File: BE097344.D
 Acq: 20 Aug 2018 22:34

Tgt Ion: 112 Resp: 1276
 Ion Ratio Lower Upper
 112 100
 64 66.5 60.1 90.1
 63 140.2 116.8 175.2





#5

Phenol-d6

Concen: 0.519 ng

RT: 6.59 min Scan# 324

Delta R.T. -0.00 min

Lab File: BE097344.D

Acq: 20 Aug 2018 22:34

Instrument :

BNA_E

ClientSampleId :

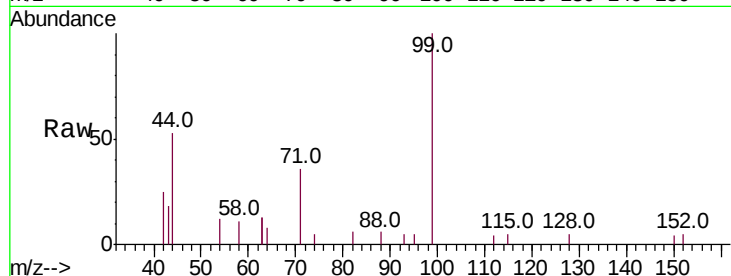
Tot Ion: 99 Resp: 1932

Ion Ratio Lower Upper

99 100

42 22.1 20.2 30.2

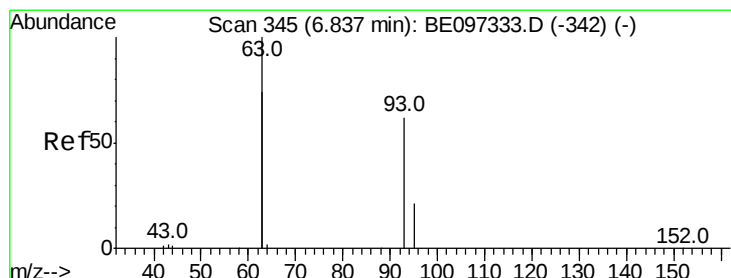
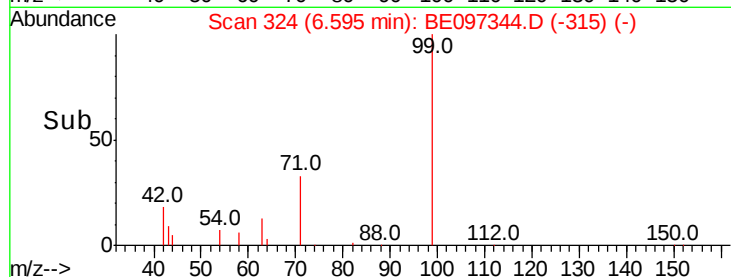
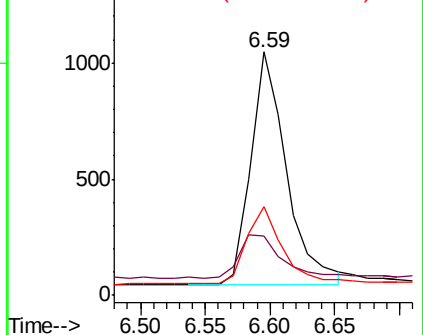
71 33.0 28.4 42.6



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: 0.443 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE097344.D

Acq: 20 Aug 2018 22:34

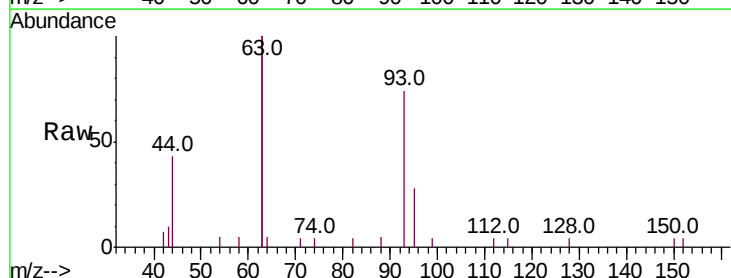
Tgt Ion: 93 Resp: 1642

Ion Ratio Lower Upper

93 100

63 333.1 275.3 412.9

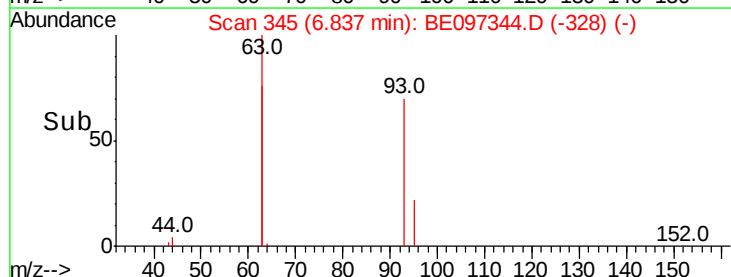
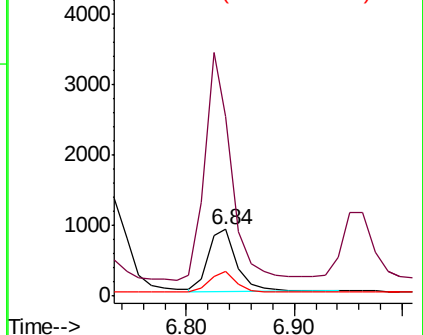
95 33.6 25.2 37.8

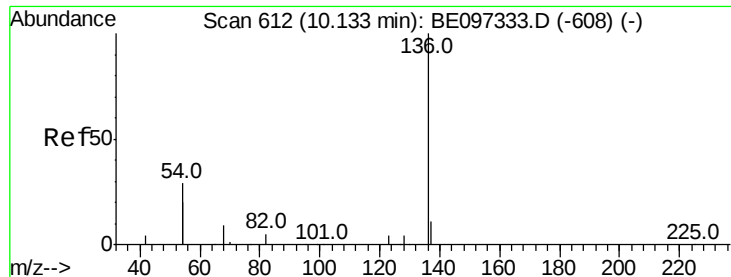


Abundance Ion 93.00 (92.70 to 93.70): BE0

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# 613

Delta R.T. 0.01 min

Lab File: BE097344.D

Acq: 20 Aug 2018 22:34

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 6188

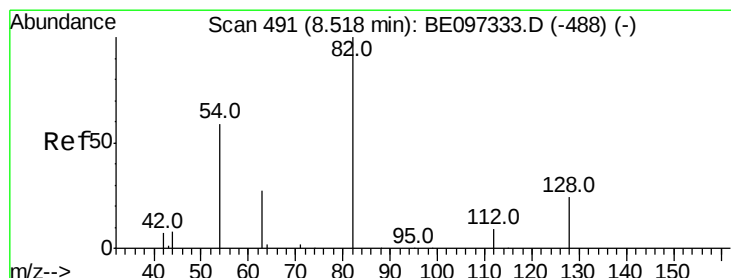
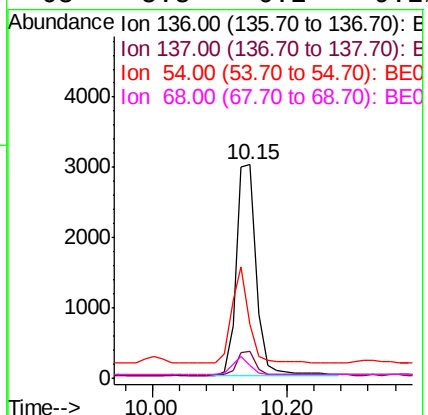
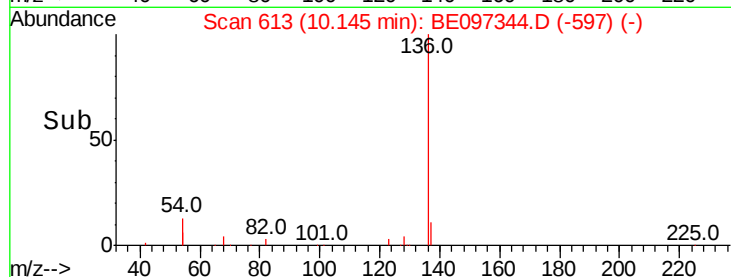
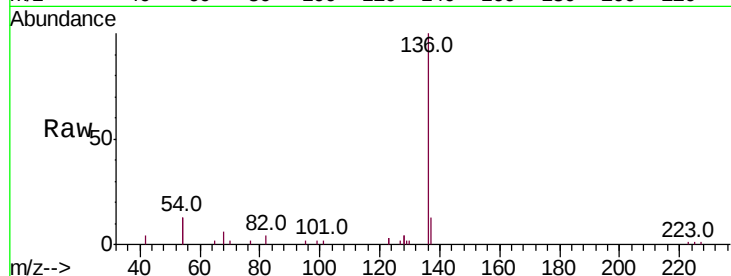
Ion Ratio Lower Upper

136 100

137 12.6 9.5 14.3

54 25.3 29.1 43.7#

68 5.8 6.2 9.2#



#8

Nitrobenzene-d5

Concen: 0.567 ng

RT: 8.52 min Scan# 491

Delta R.T. 0.00 min

Lab File: BE097344.D

Acq: 20 Aug 2018 22:34

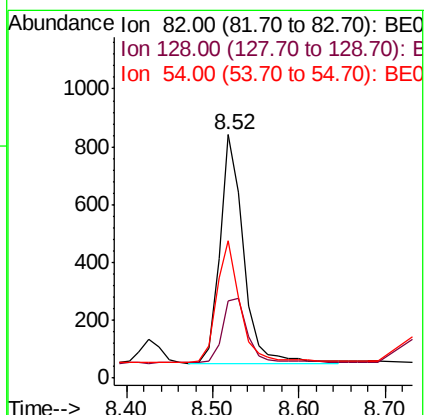
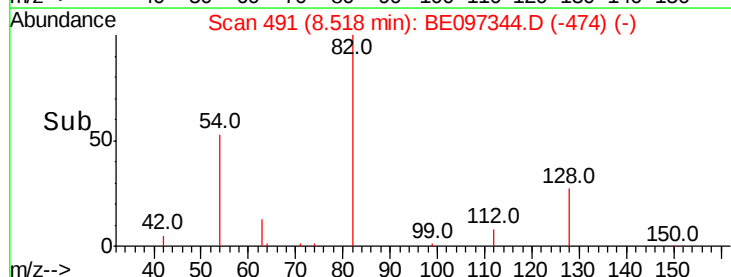
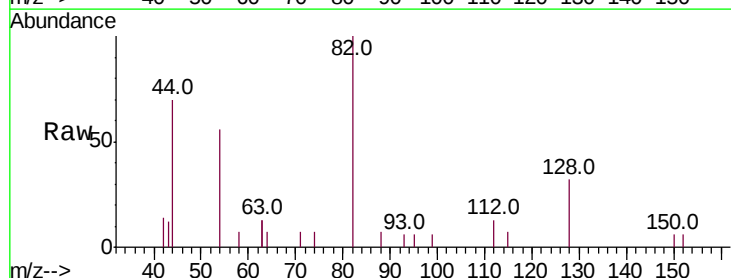
Tgt Ion: 82 Resp: 1502

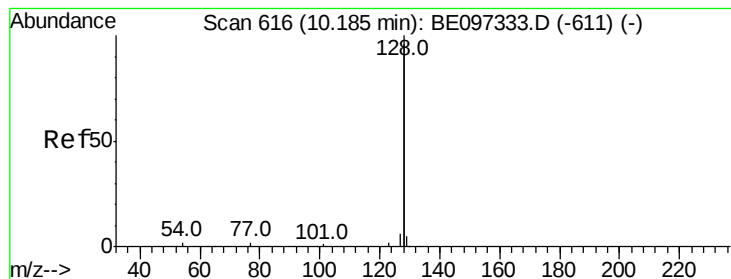
Ion Ratio Lower Upper

82 100

128 31.7 24.0 36.0

54 56.4 40.0 60.0





#9

Naphthalene

Concen: 0.406 ng

RT: 10.18 min Scan# 616

Delta R.T. -0.00 min

Lab File: BE097344.D

Acq: 20 Aug 2018 22:34

Instrument :

BNA_E

ClientSampleId :

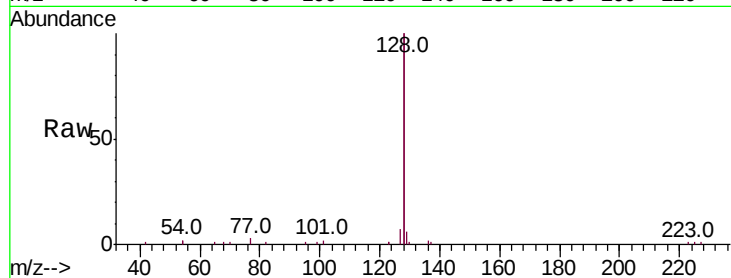
Tot Ion:128 Resp: 23030

Ion Ratio Lower Upper

128 100

129 3.1 2.6 3.8

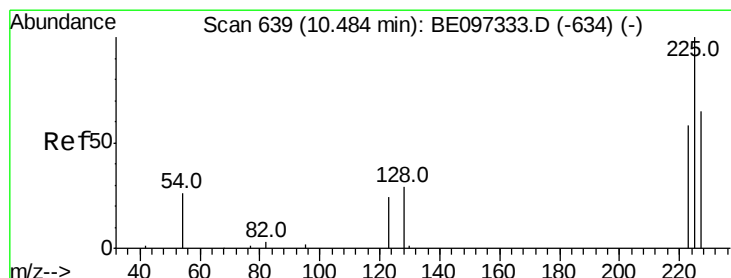
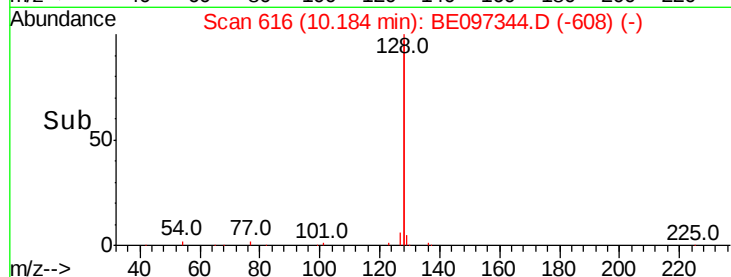
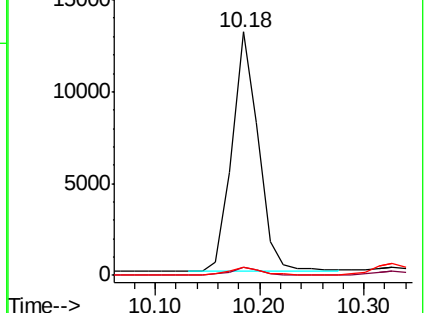
127 3.5 2.8 4.2



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: 0.382 ng

RT: 10.48 min Scan# 639

Delta R.T. -0.00 min

Lab File: BE097344.D

Acq: 20 Aug 2018 22:34

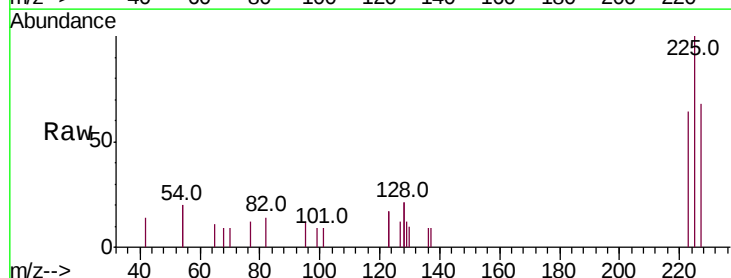
Tgt Ion:225 Resp: 952

Ion Ratio Lower Upper

225 100

223 63.4 53.0 79.6

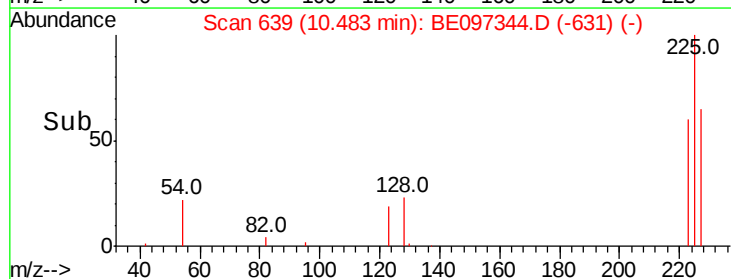
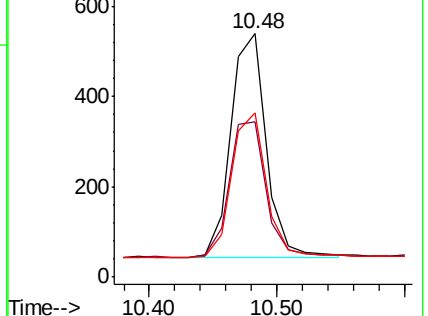
227 63.1 51.4 77.2

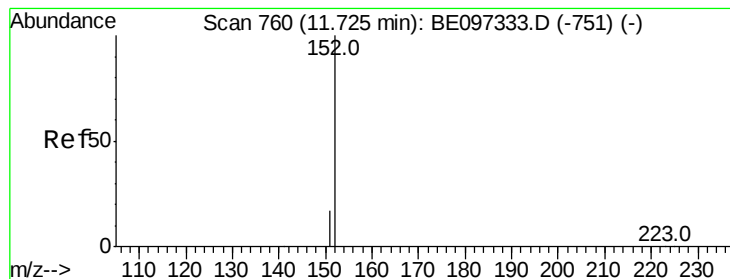


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.439 ng

RT: 11.72 min Scan# 759

Delta R.T. -0.00 min

Lab File: BE097344.D

Acq: 20 Aug 2018 22:34

Instrument :

BNA_E

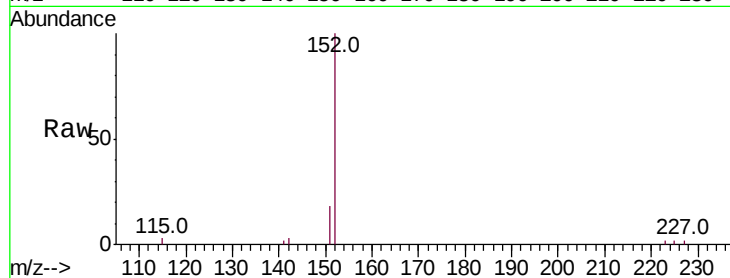
ClientSampleId :

Tot Ion:152 Resp: 3670

Ion Ratio Lower Upper

152 100

151 18.8 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

2000

1500

1000

500

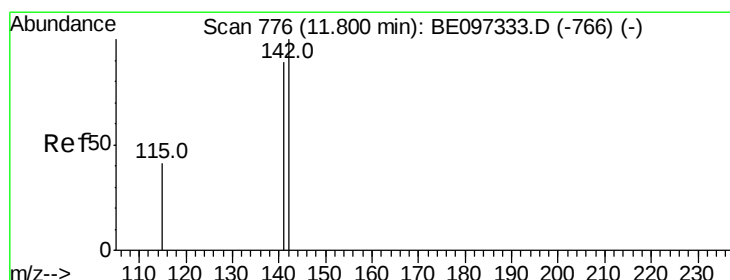
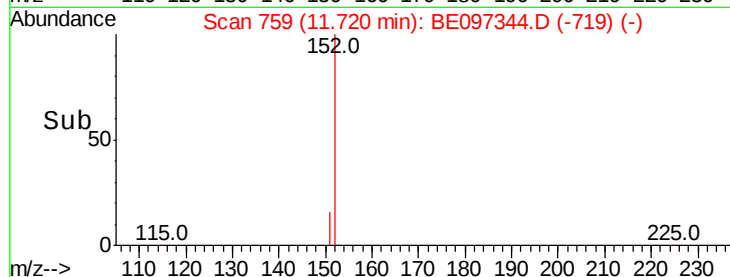
0

11.60

11.72

11.80

Time-->



#12

2-Methylnaphthalene

Concen: 0.435 ng

RT: 11.80 min Scan# 776

Delta R.T. -0.00 min

Lab File: BE097344.D

Acq: 20 Aug 2018 22:34

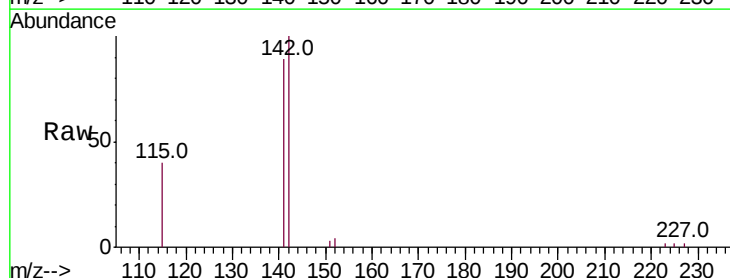
Tgt Ion:142 Resp: 3717

Ion Ratio Lower Upper

142 100

141 89.1 70.4 105.6

115 39.5 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

2500

2000

1500

1000

500

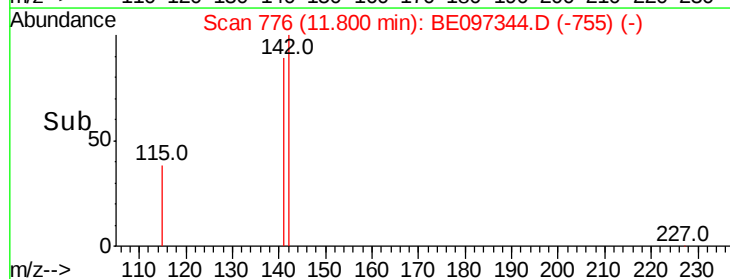
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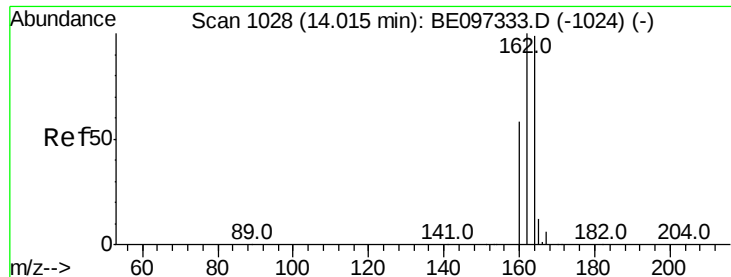
11.70

11.80

11.90

Time-->

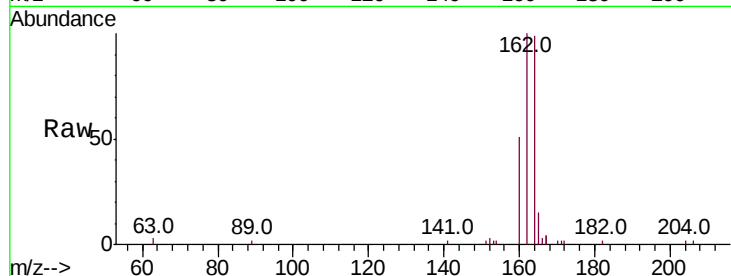




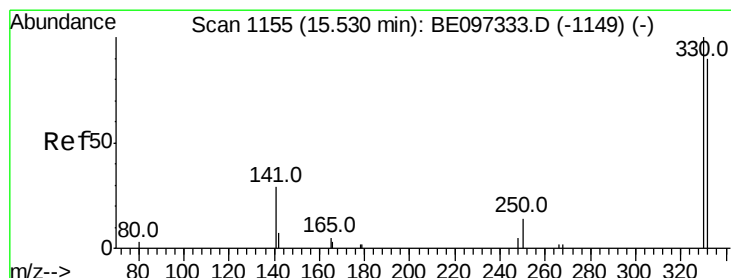
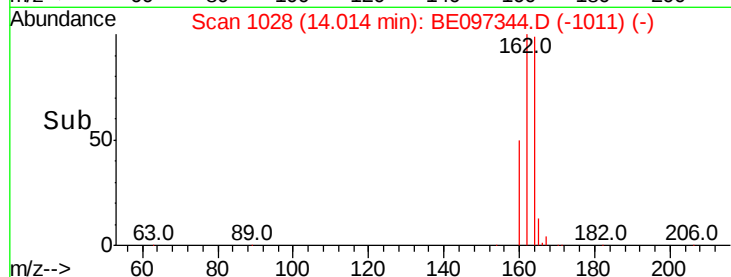
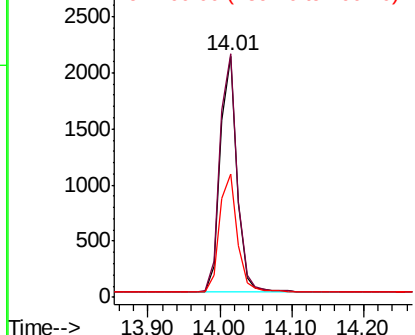
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BE097344.D
Acq: 20 Aug 2018 22:34

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 3406
Ion Ratio Lower Upper
164 100
162 100.9 83.1 124.7
160 51.2 37.1 55.7

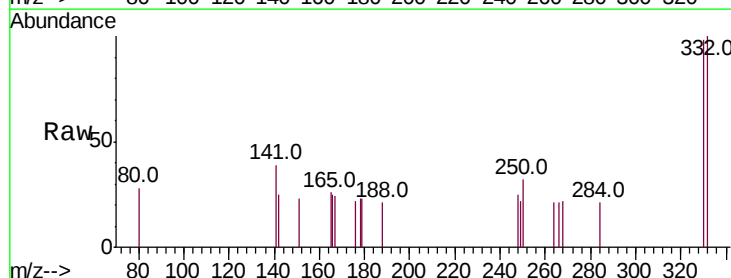


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

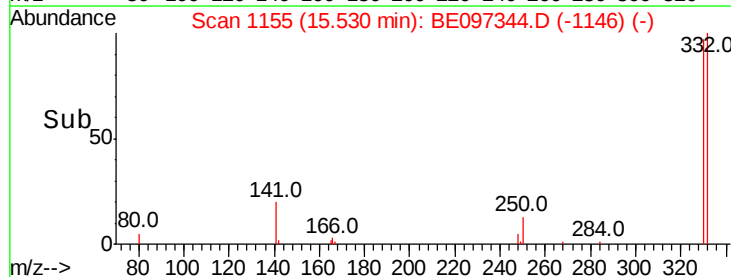
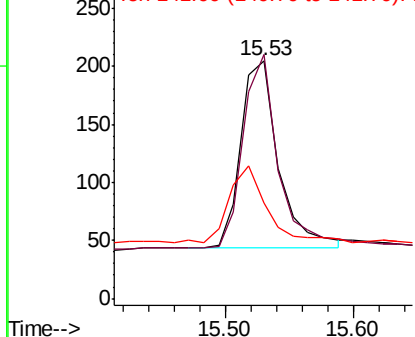


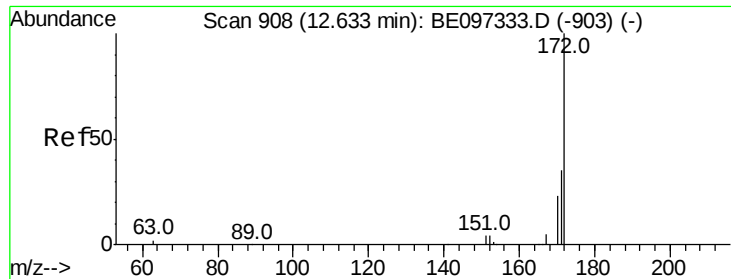
#14
2,4,6-Tribromophenol
Concen: 0.511 ng
RT: 15.53 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BE097344.D
Acq: 20 Aug 2018 22:34

Tgt Ion:330 Resp: 329
Ion Ratio Lower Upper
330 100
332 96.0 152.7 229.1#
141 41.3 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

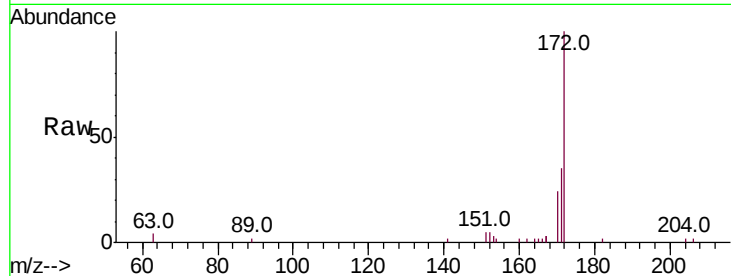




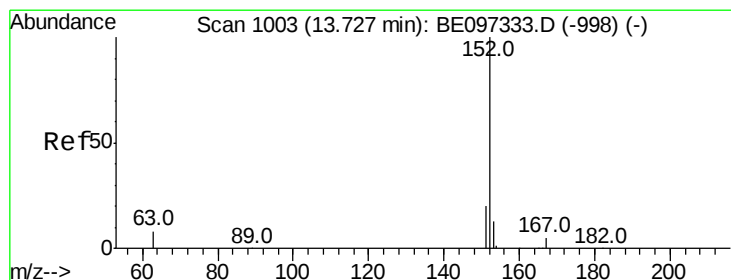
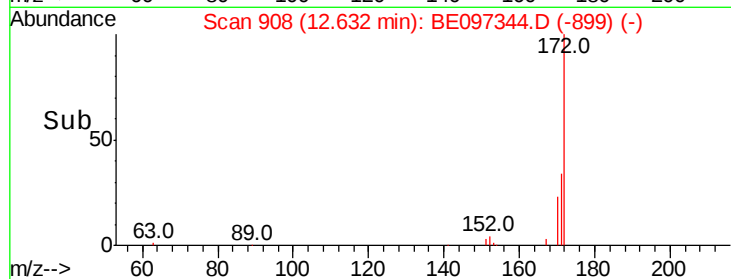
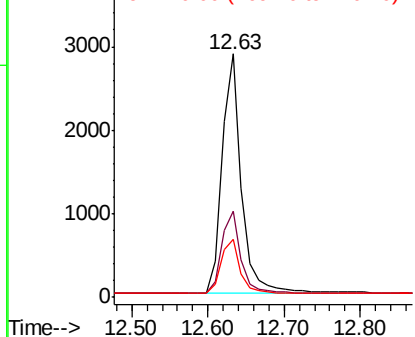
#15
2-Fluorobiphenyl
Concen: 0.370 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE097344.D
Acq: 20 Aug 2018 22:34

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 5160
Ion Ratio Lower Upper
172 100
171 35.3 29.9 44.9
170 24.1 21.8 32.8

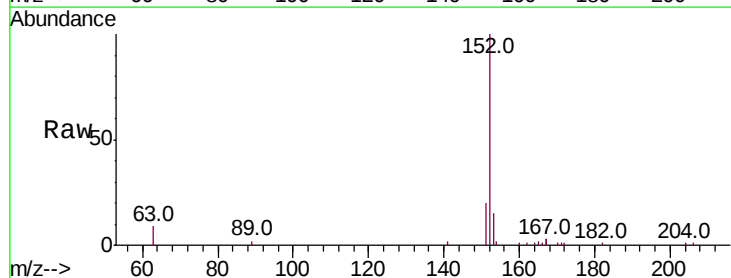


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

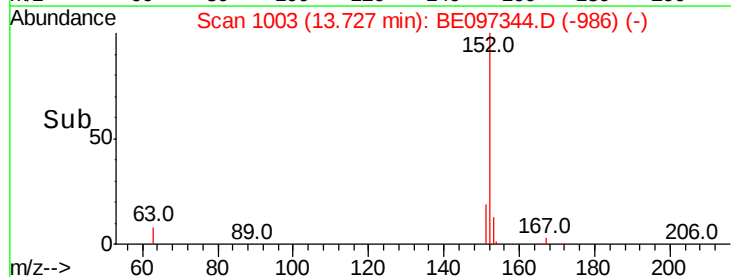
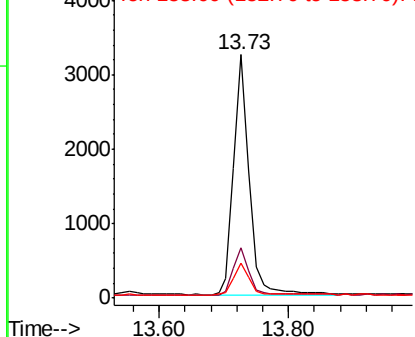


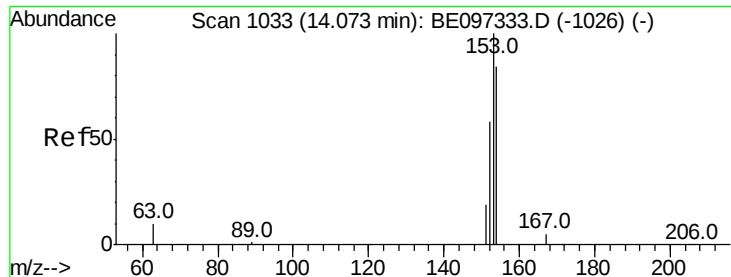
#16
Acenaphthylene
Concen: 0.408 ng
RT: 13.73 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BE097344.D
Acq: 20 Aug 2018 22:34

Tgt Ion:152 Resp: 5292
Ion Ratio Lower Upper
152 100
151 19.4 15.7 23.5
153 13.2 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

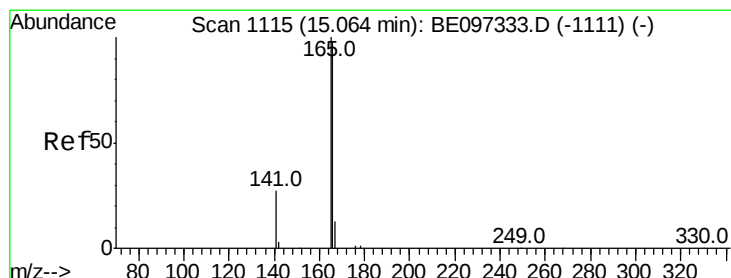
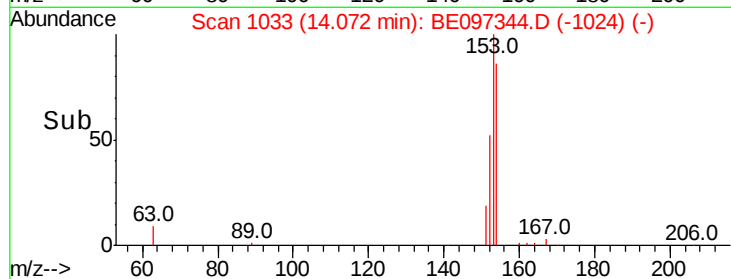
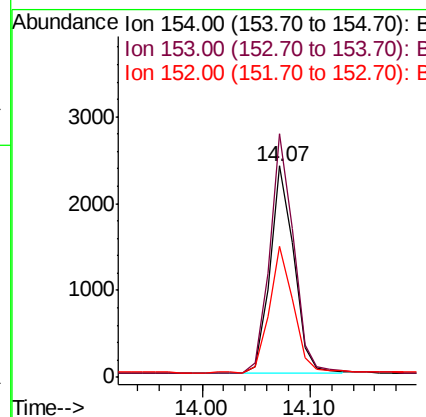
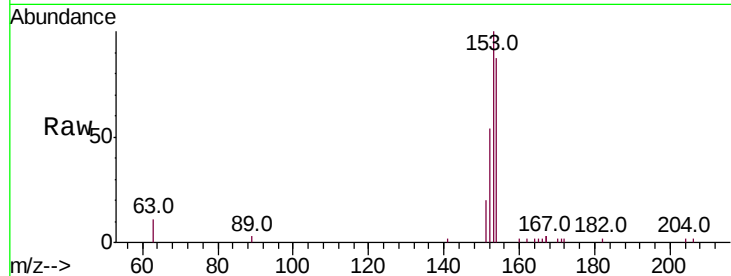




#17
Acenaphthene
Concen: 0.403 ng
RT: 14.07 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BE097344.D
Acq: 20 Aug 2018 22:34

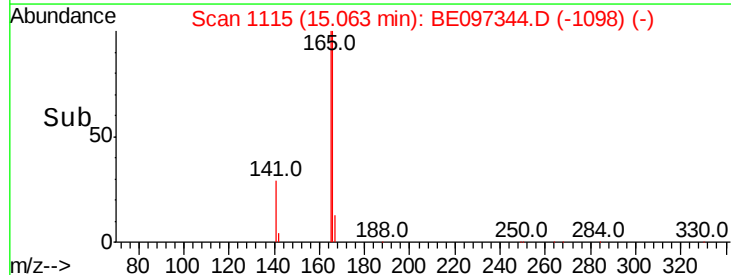
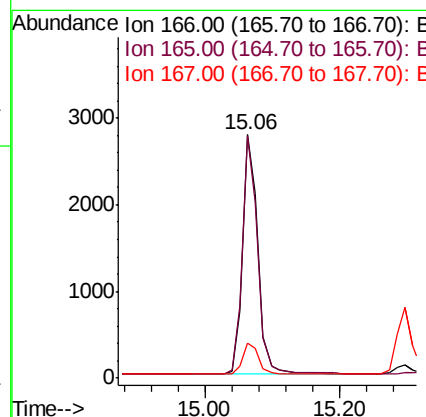
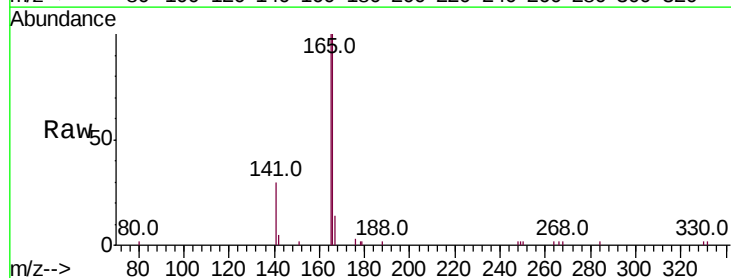
Instrument :
BNA_E
ClientSampleId :

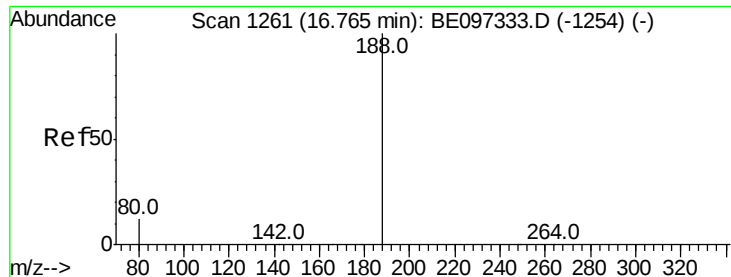
Tot Ion:154 Resp: 3690
Ion Ratio Lower Upper
154 100
153 115.4 89.2 133.8
152 61.2 42.0 63.0



#18
Fluorene
Concen: 0.394 ng
RT: 15.06 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE097344.D
Acq: 20 Aug 2018 22:34

Tgt Ion:166 Resp: 4411
Ion Ratio Lower Upper
166 100
165 98.9 77.8 116.6
167 13.3 42.4 63.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.76 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BE097344.D

Acq: 20 Aug 2018 22:34

Instrument :

BNA_E

ClientSampleId :

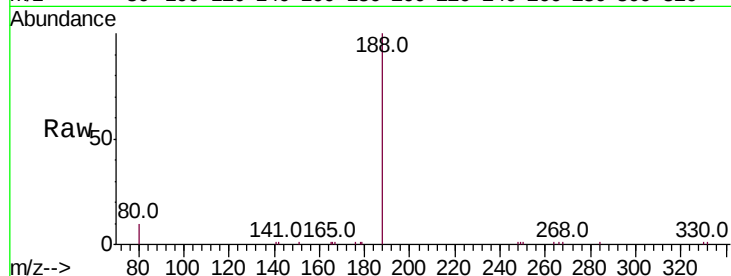
Tot Ion:188 Resp: 7949

Ion Ratio Lower Upper

188 100

94 0.0 3.9 5.9#

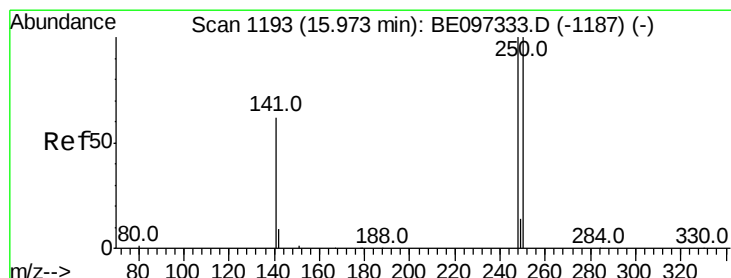
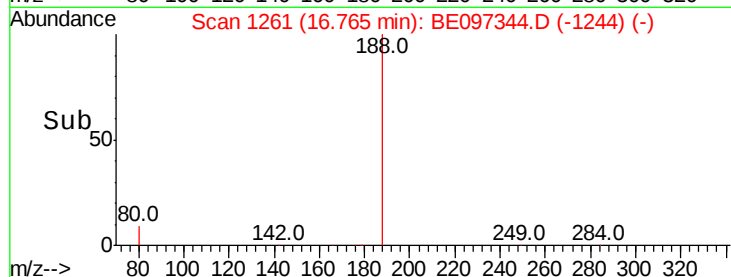
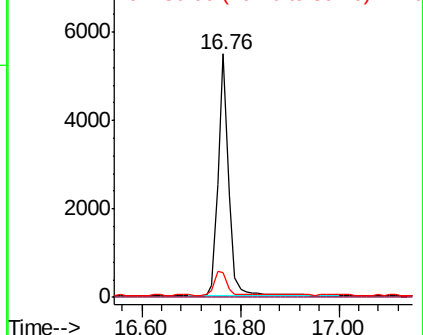
80 10.2 3.6 5.4#



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: 0.426 ng

RT: 15.97 min Scan# 1193

Delta R.T. -0.00 min

Lab File: BE097344.D

Acq: 20 Aug 2018 22:34

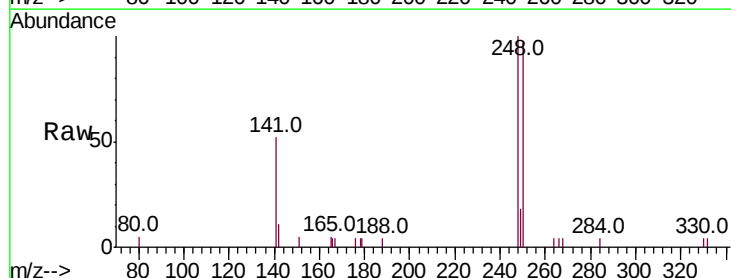
Tgt Ion:248 Resp: 1530

Ion Ratio Lower Upper

248 100

250 97.1 62.7 94.1#

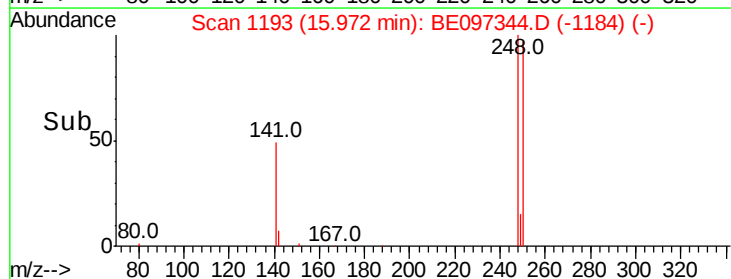
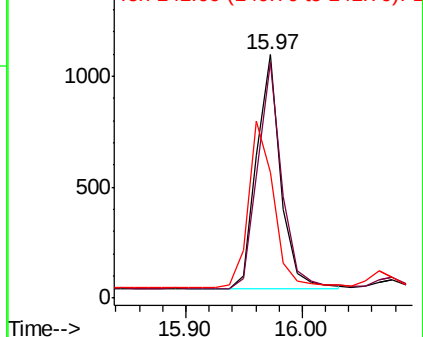
141 51.7 48.2 72.2

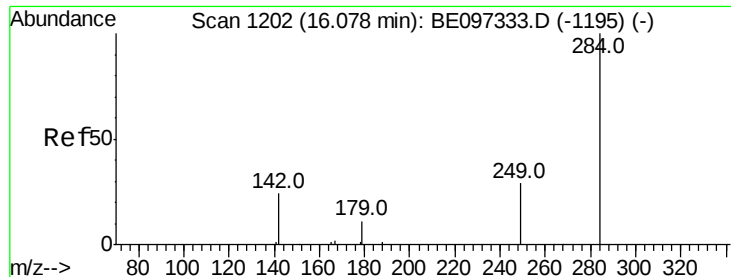


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

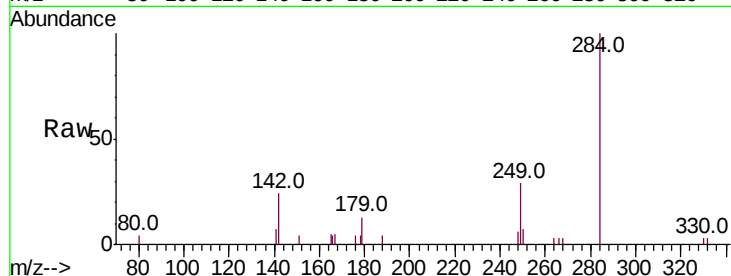




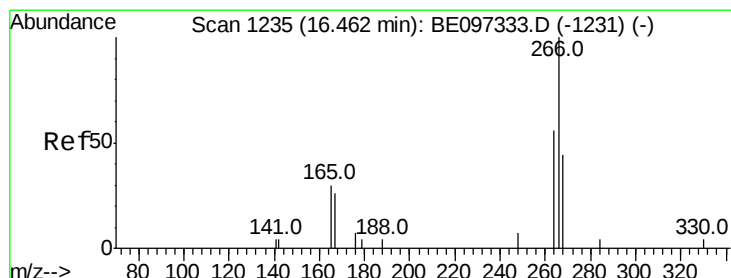
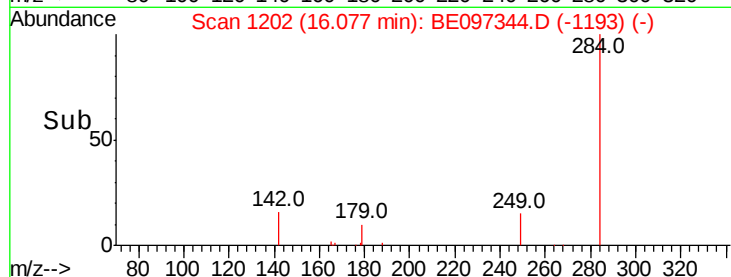
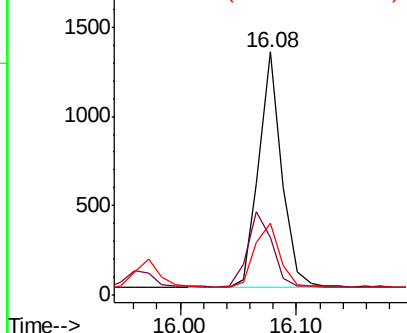
#21
Hexachlorobenzene
Concen: 0.382 ng
RT: 16.08 min Scan# 1202
Delta R.T. -0.00 min
Lab File: BE097344.D
Acq: 20 Aug 2018 22:34

Instrument :
BNA_E
ClientSampleId :

Tot Ion:284 Resp: 1838
Ion Ratio Lower Upper
284 100
142 34.2 22.1 33.1#
249 29.2 34.8 52.2#

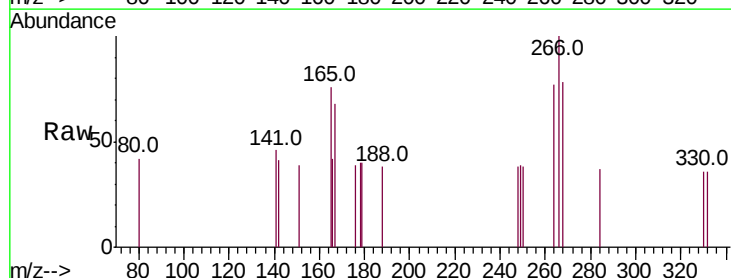


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

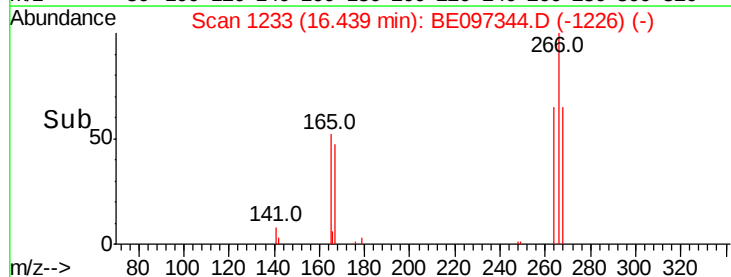
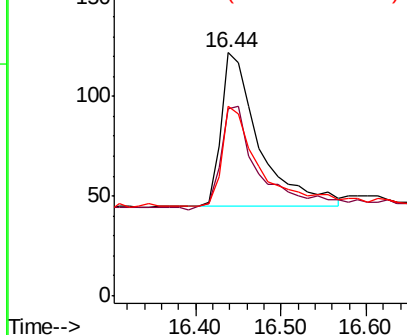


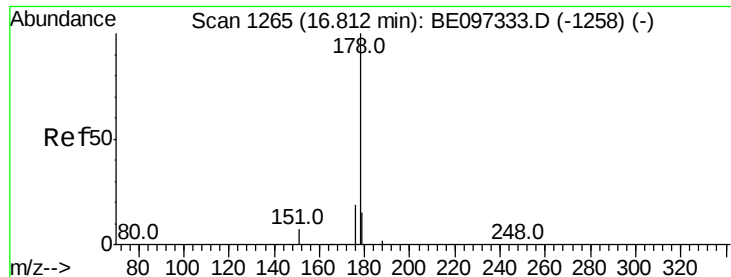
#22
Pentachlorophenol
Concen: 0.643 ng
RT: 16.44 min Scan# 1233
Delta R.T. -0.02 min
Lab File: BE097344.D
Acq: 20 Aug 2018 22:34

Tgt Ion:266 Resp: 238
Ion Ratio Lower Upper
266 100
264 77.0 72.5 108.7
268 77.9 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: 0.401 ng

RT: 16.80 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BE097344.D

Acq: 20 Aug 2018 22:34

Instrument :

BNA_E

ClientSampleId :

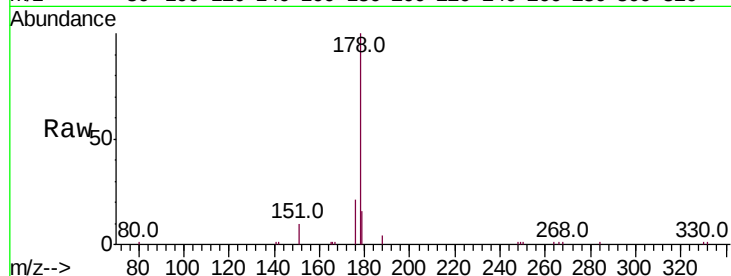
Tot Ion:178 Resp: 7777

Ion Ratio Lower Upper

178 100

176 19.4 15.1 22.7

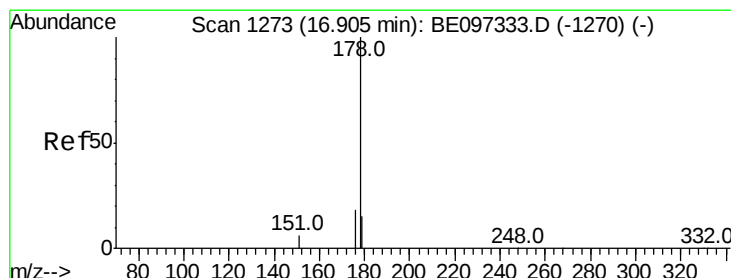
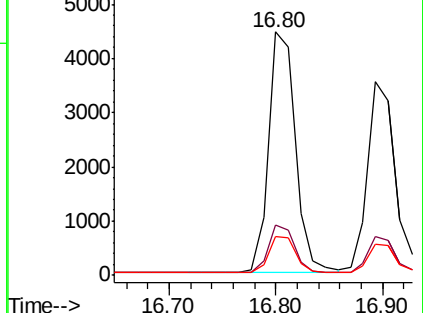
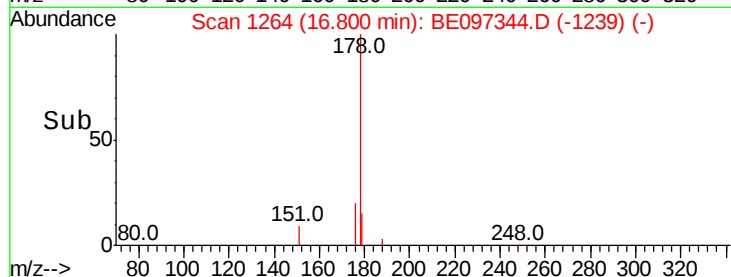
179 15.4 11.8 17.6



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: 0.447 ng

RT: 16.89 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BE097344.D

Acq: 20 Aug 2018 22:34

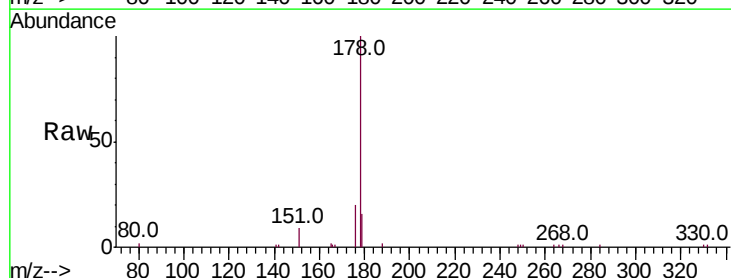
Tgt Ion:178 Resp: 6421

Ion Ratio Lower Upper

178 100

176 18.6 12.8 19.2

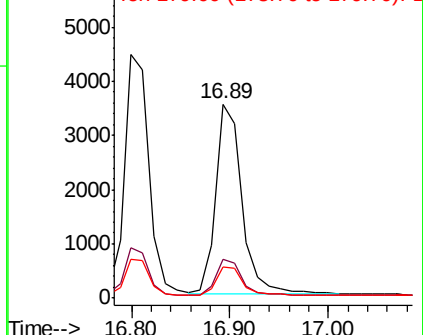
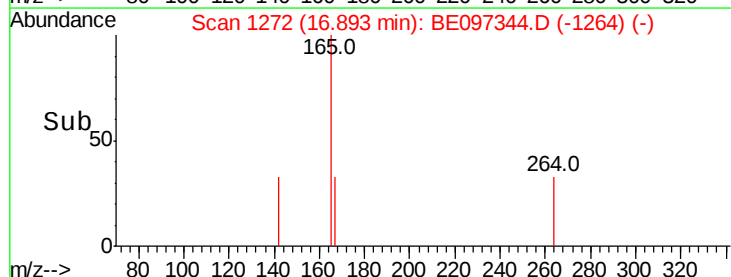
179 15.1 13.0 19.6

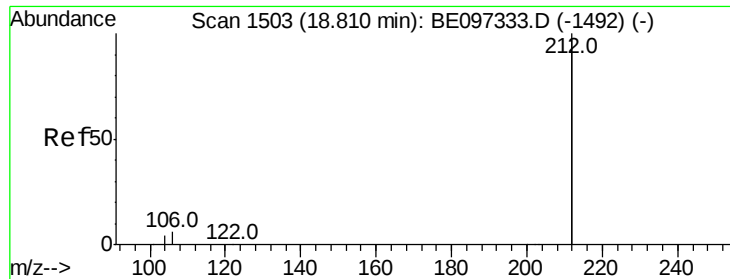


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

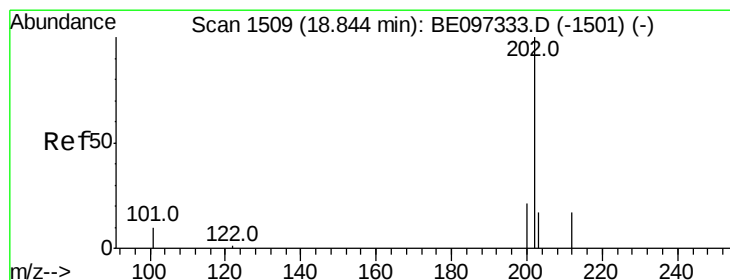
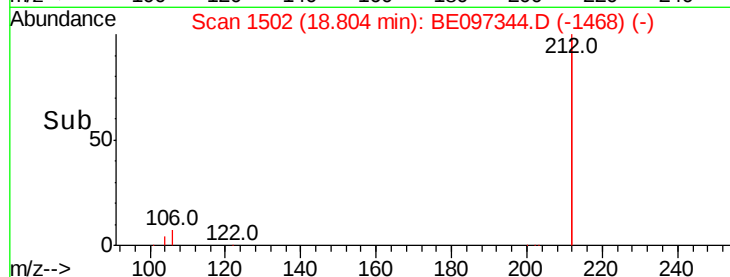
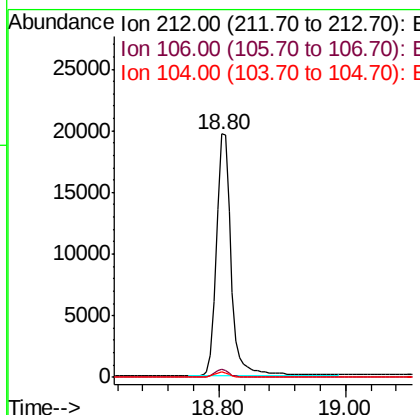
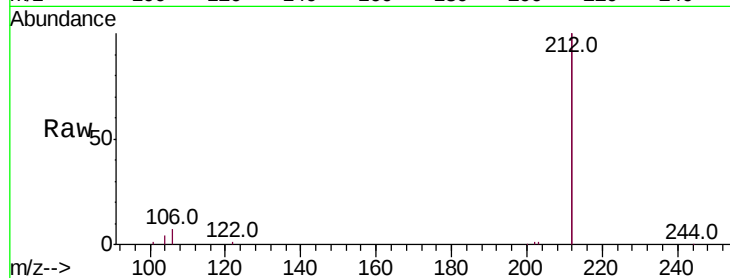




#25
 Fluoranthene-d10
 Concen: 0.436 ng
 RT: 18.80 min Scan# 1502
 Delta R.T. -0.01 min
 Lab File: BE097344.D
 Acq: 20 Aug 2018 22:34

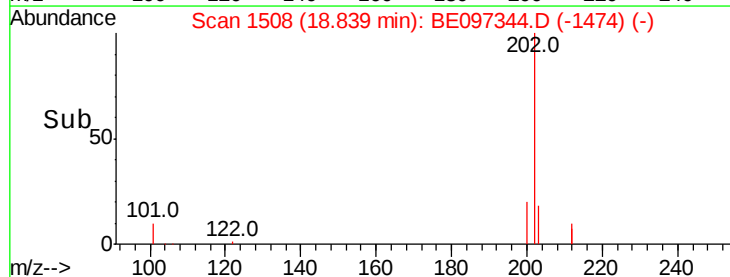
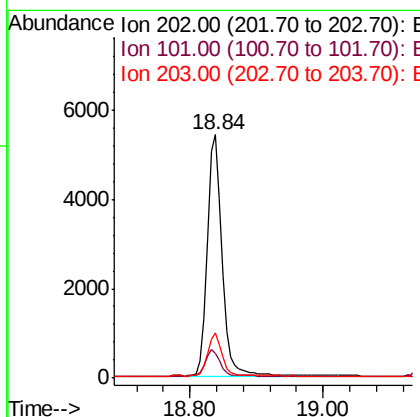
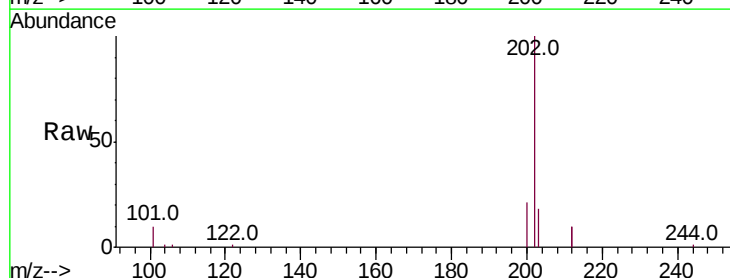
Instrument :
 BNA_E
 ClientSampleId :

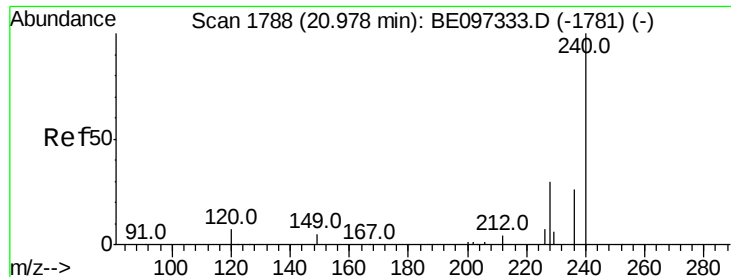
Tot Ion:212 Resp: 30910
 Ion Ratio Lower Upper
 212 100
 106 3.1 2.8 4.2
 104 1.7 1.6 2.4



#26
 Fluoranthene
 Concen: 0.441 ng
 RT: 18.84 min Scan# 1508
 Delta R.T. -0.01 min
 Lab File: BE097344.D
 Acq: 20 Aug 2018 22:34

Tgt Ion:202 Resp: 8229
 Ion Ratio Lower Upper
 202 100
 101 11.1 9.8 14.8
 203 16.8 13.7 20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.97 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BE097344.D

Acq: 20 Aug 2018 22:34

Instrument :

BNA_E

ClientSampleId :

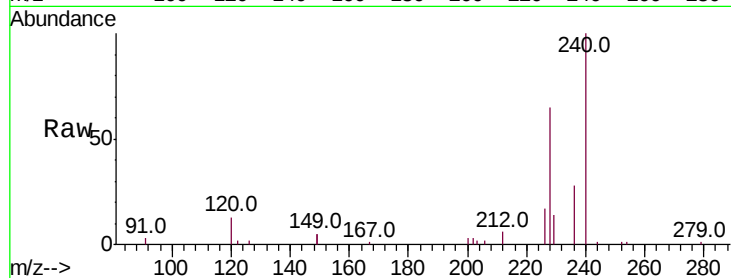
Tot Ion:240 Resp: 7487

Ion Ratio Lower Upper

240 100

120 13.3 5.5 8.3#

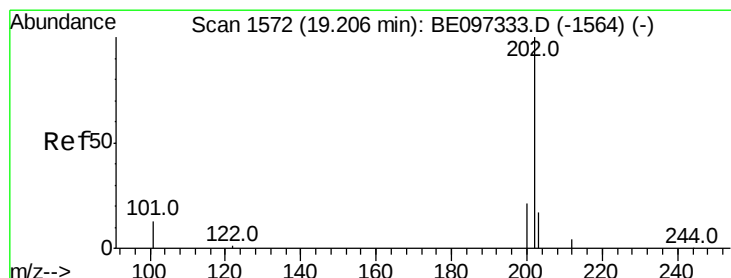
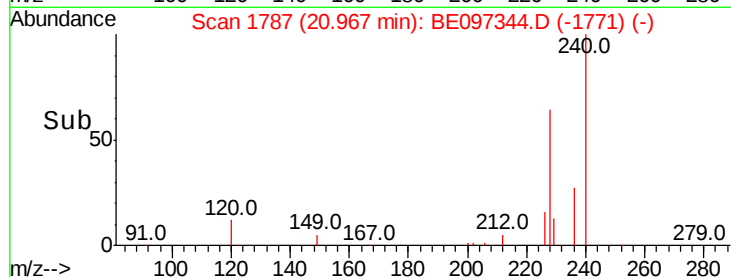
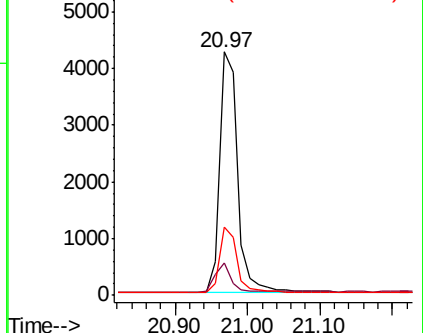
236 27.8 20.7 31.1



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: 0.436 ng

RT: 19.20 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BE097344.D

Acq: 20 Aug 2018 22:34

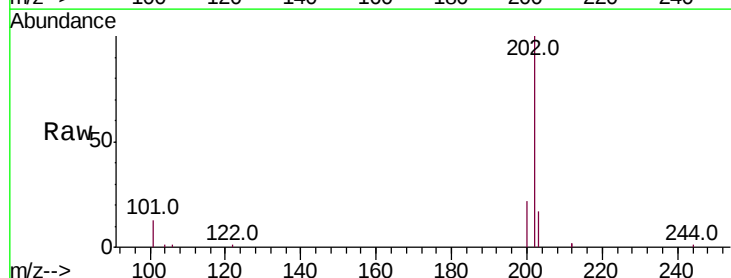
Tgt Ion:202 Resp: 8762

Ion Ratio Lower Upper

202 100

200 20.7 16.6 25.0

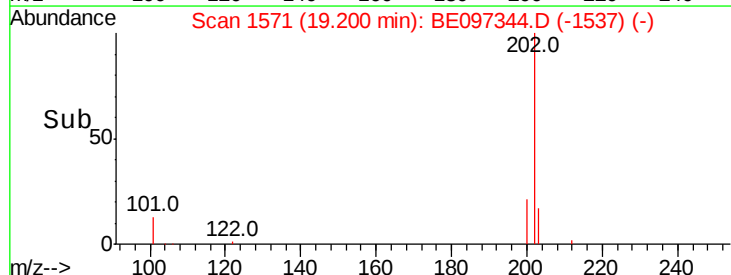
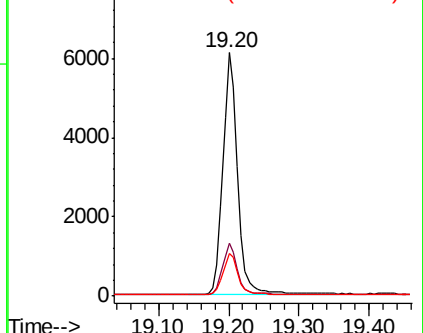
203 17.4 13.8 20.8

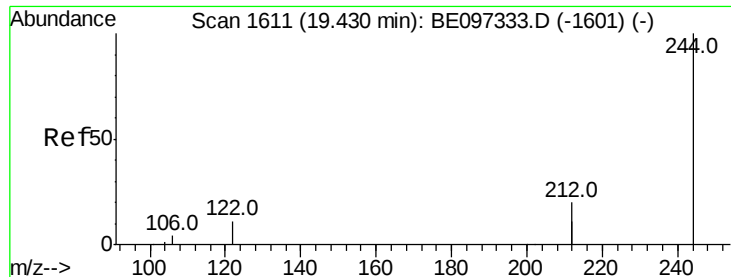


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

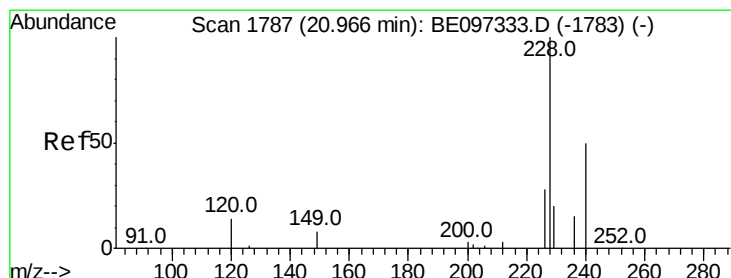
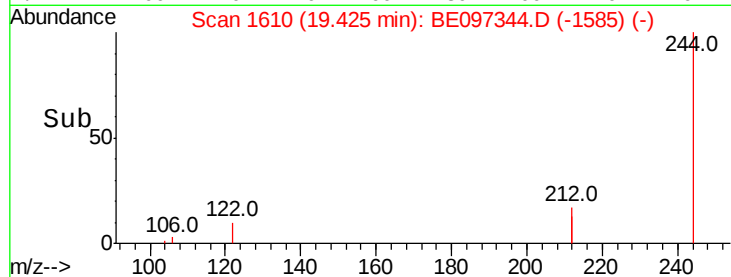
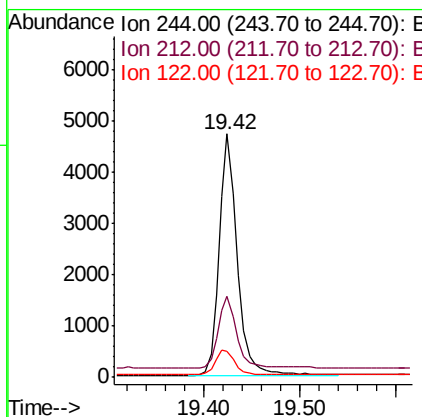
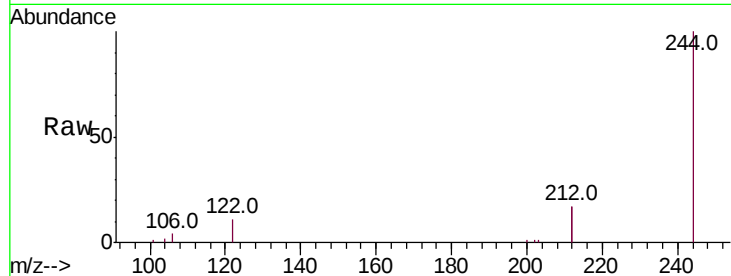




#29
 Terphenyl-d14
 Concen: 0.410 ng
 RT: 19.42 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: BE097344.D
 Acq: 20 Aug 2018 22:34

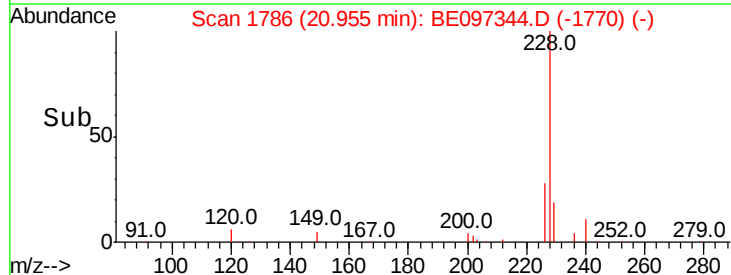
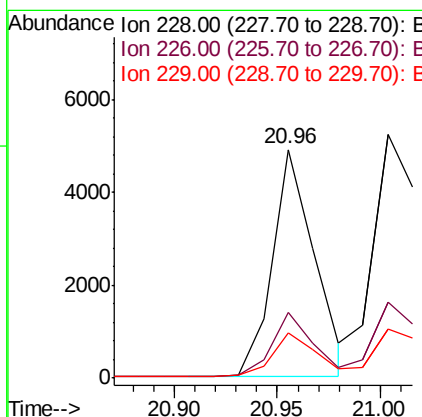
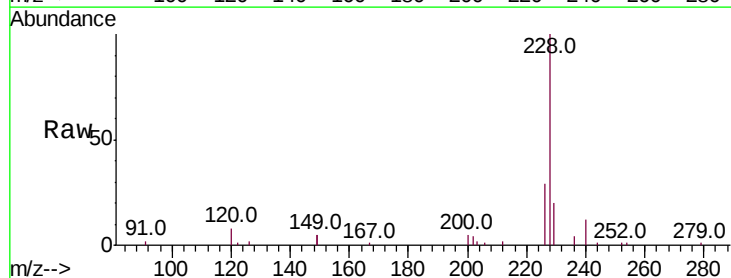
Instrument :
 BNA_E
 ClientSampleId :

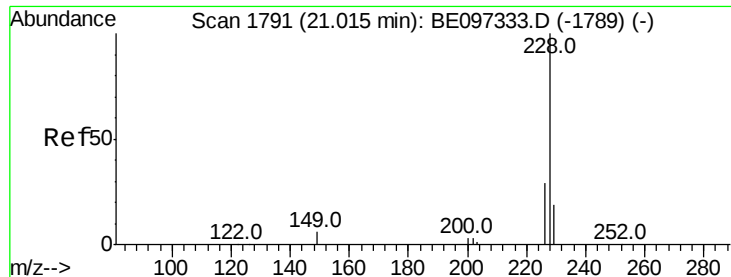
Tot Ion:244 Resp: 6145
 Ion Ratio Lower Upper
 244 100
 212 33.3 25.4 38.0
 122 10.9 8.1 12.1



#30
 Benzo(a)anthracene
 Concen: 0.432 ng
 RT: 20.96 min Scan# 1786
 Delta R.T. -0.01 min
 Lab File: BE097344.D
 Acq: 20 Aug 2018 22:34

Tgt Ion:228 Resp: 6952
 Ion Ratio Lower Upper
 228 100
 226 28.6 24.0 36.0
 229 19.9 16.0 24.0





#31

Chrysene

Concen: 0.403 ng

RT: 21.00 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BE097344.D

Acq: 20 Aug 2018 22:34

Instrument :

BNA_E

ClientSampleId :

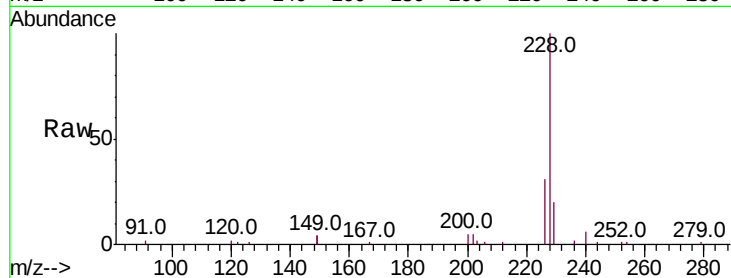
Tot Ion:228 Resp: 8496

Ion Ratio Lower Upper

228 100

226 31.1 24.0 36.0

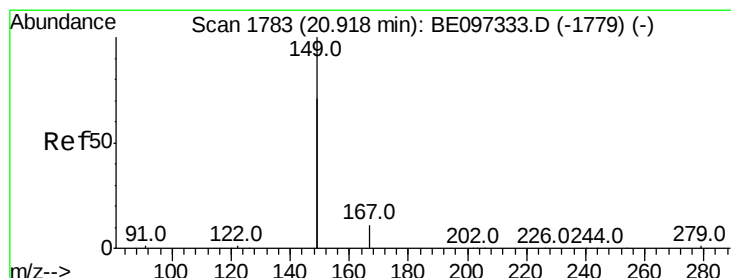
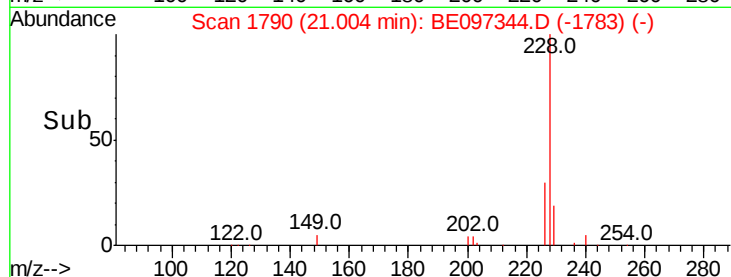
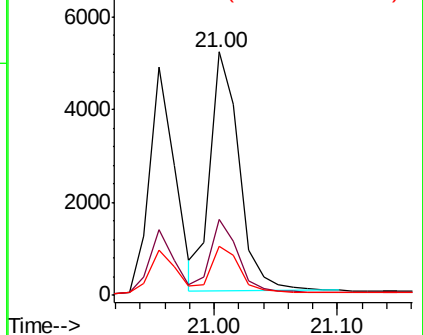
229 20.1 16.0 24.0



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: 0.636 ng

RT: 20.92 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BE097344.D

Acq: 20 Aug 2018 22:34

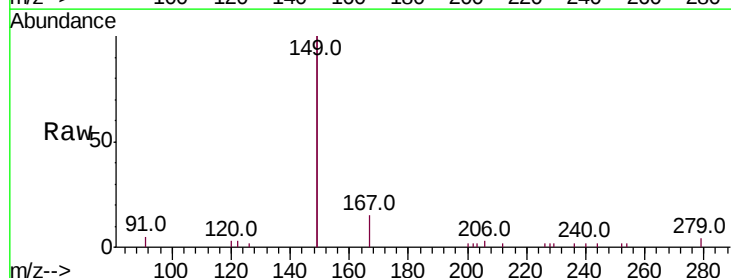
Tgt Ion:149 Resp: 5657

Ion Ratio Lower Upper

149 100

167 6.8 5.4 8.0

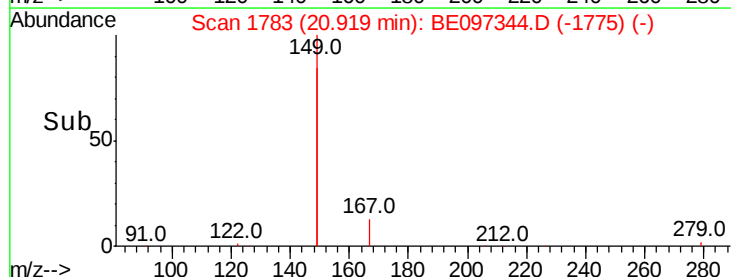
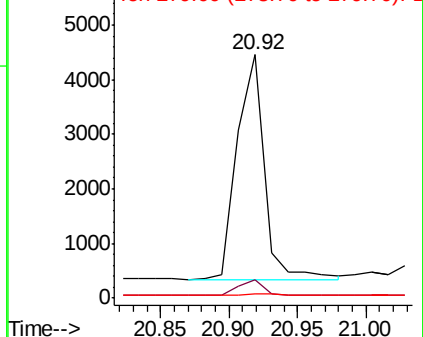
279 1.0 0.7 1.1

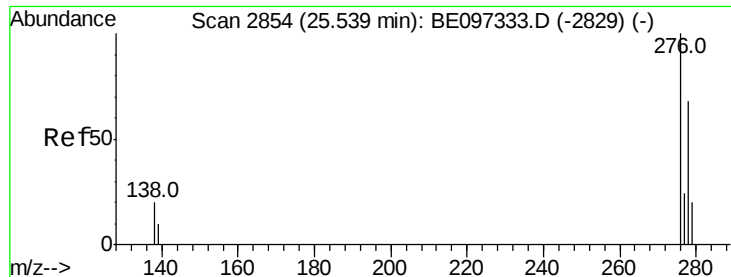


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.493 ng

RT: 25.54 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BE097344.D

Acq: 20 Aug 2018 22:34

Instrument :

BNA_E

ClientSampleId :

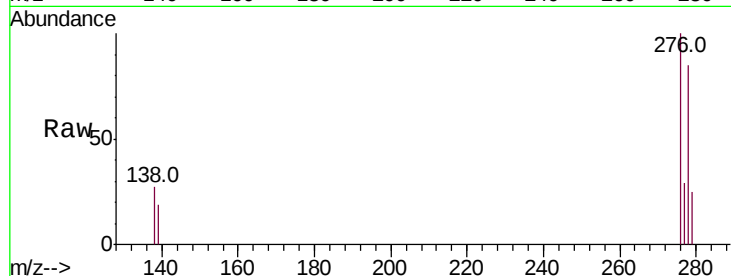
Tot Ion:276 Resp: 6607

Ion Ratio Lower Upper

276 100

138 20.0 22.5 33.7#

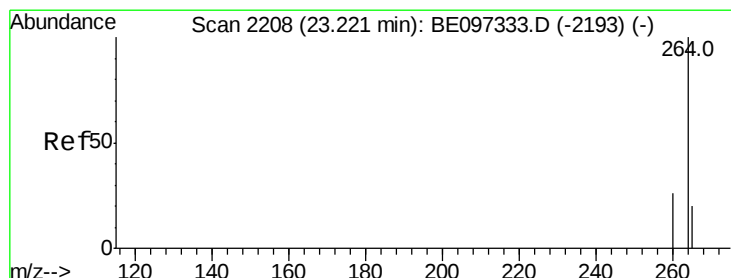
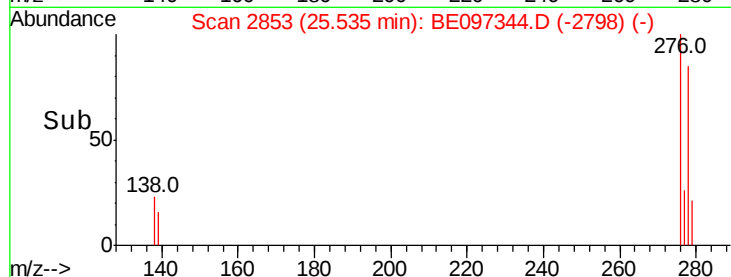
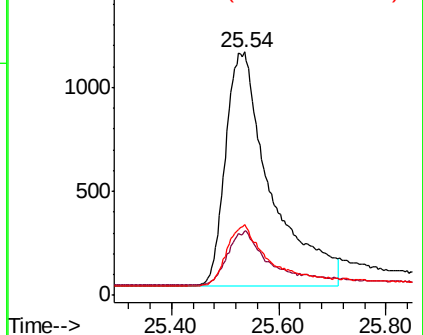
277 24.3 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.22 min Scan# 2207

Delta R.T. -0.00 min

Lab File: BE097344.D

Acq: 20 Aug 2018 22:34

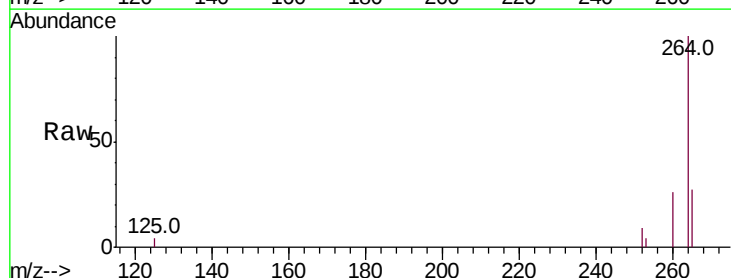
Tgt Ion:264 Resp: 6471

Ion Ratio Lower Upper

264 100

260 25.8 20.5 30.7

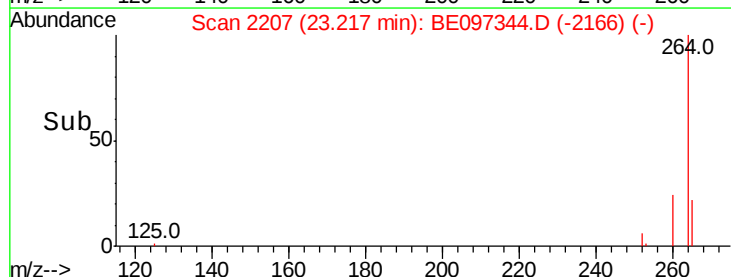
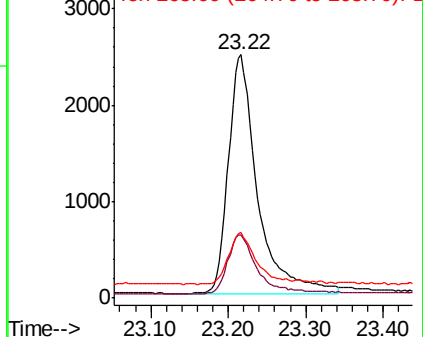
265 27.1 22.8 34.2

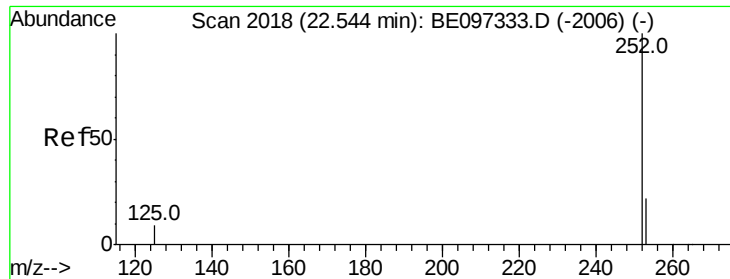


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

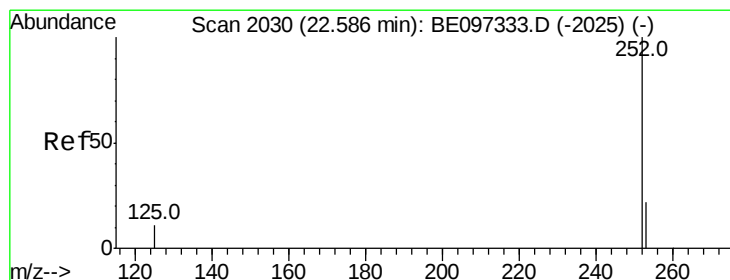
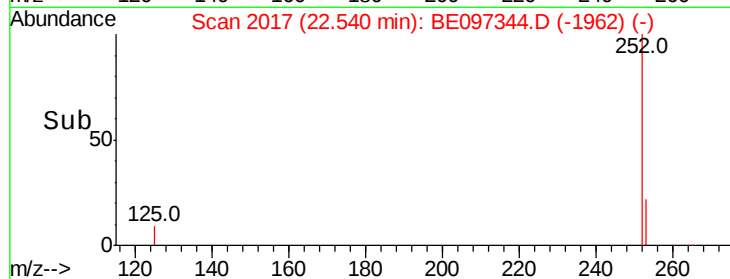
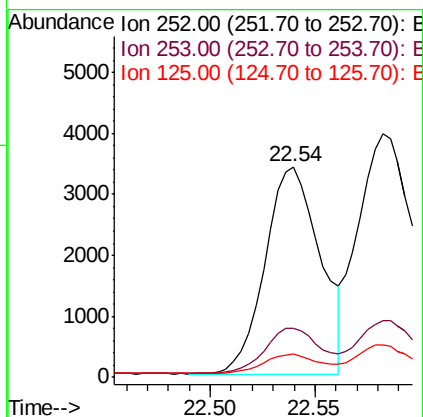
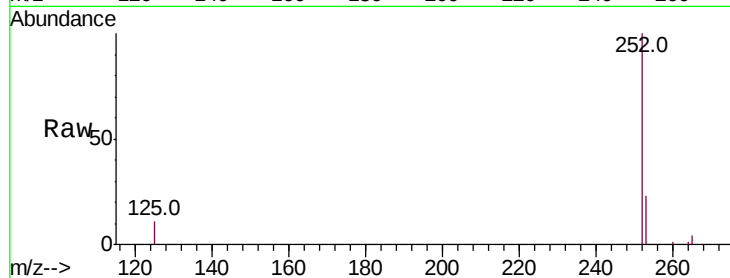




#35
Benzo(b)fluoranthene
Concen: 0.363 ng
RT: 22.54 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BE097344.D
Acq: 20 Aug 2018 22:34

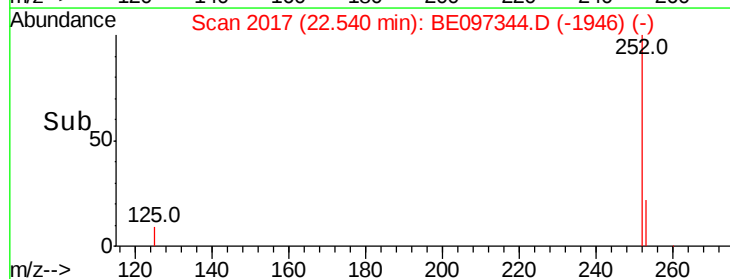
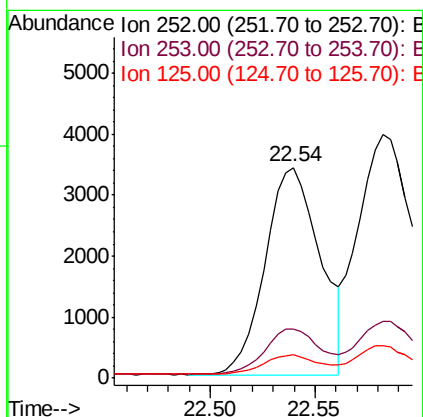
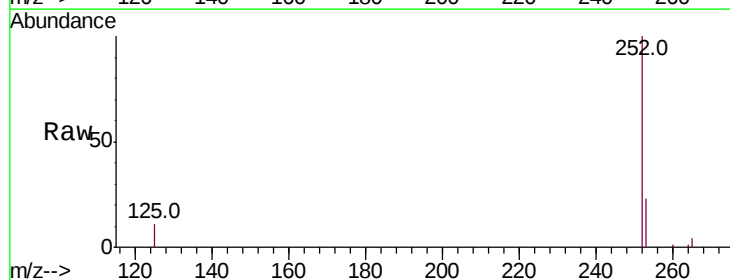
Instrument :
BNA_E
ClientSampleId :

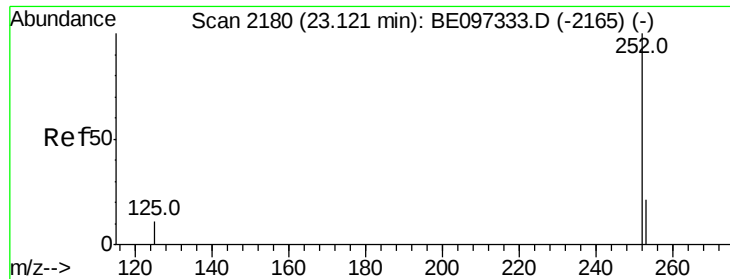
Tot Ion:252 Resp: 6197
Ion Ratio Lower Upper
252 100
253 23.4 20.0 30.0
125 10.9 16.0 24.0#



#36
Benzo(k)fluoranthene
Concen: 0.259 ng
RT: 22.54 min Scan# 2017
Delta R.T. -0.05 min
Lab File: BE097344.D
Acq: 20 Aug 2018 22:34

Tgt Ion:252 Resp: 6197
Ion Ratio Lower Upper
252 100
253 23.4 16.0 24.0
125 10.9 8.0 12.0





#37

Benzo(a)pyrene

Concen: 0.412 ng

RT: 23.12 min Scan# 2179

Delta R.T. -0.00 min

Lab File: BE097344.D

Acq: 20 Aug 2018 22:34

Instrument :

BNA_E

ClientSampleId :

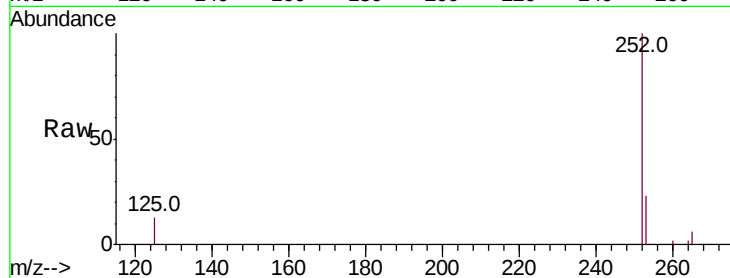
Tot Ion:252 Resp: 6408

Ion Ratio Lower Upper

252 100

253 23.1 16.0 24.0

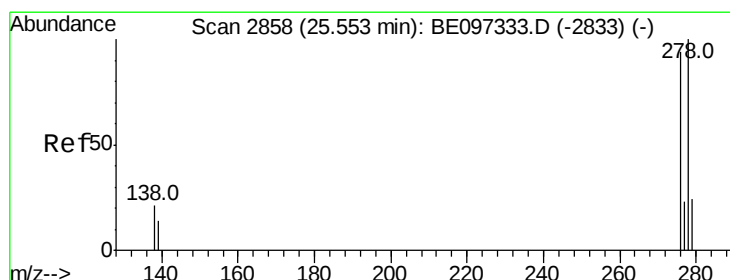
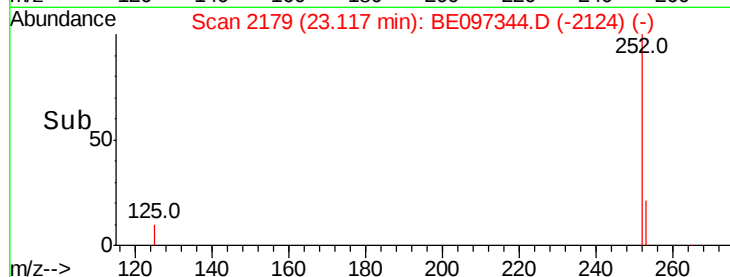
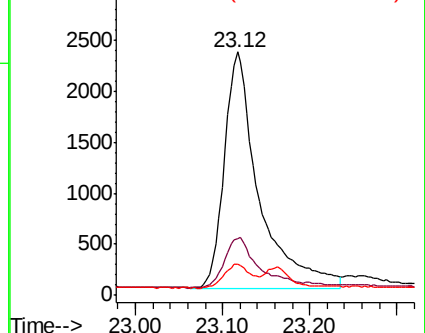
125 12.8 12.0 18.0



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: 0.373 ng

RT: 25.55 min Scan# 2856

Delta R.T. -0.01 min

Lab File: BE097344.D

Acq: 20 Aug 2018 22:34

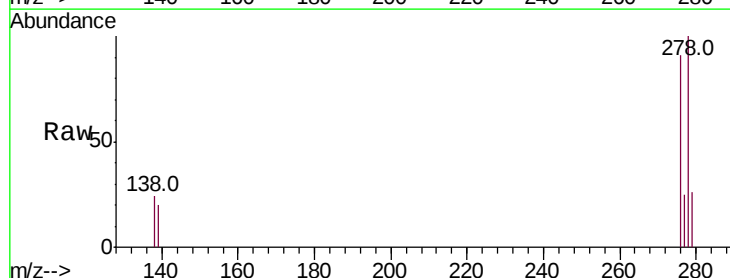
Tgt Ion:278 Resp: 4953

Ion Ratio Lower Upper

278 100

139 20.4 16.0 24.0

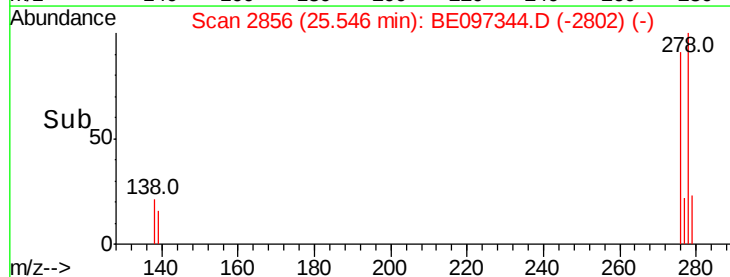
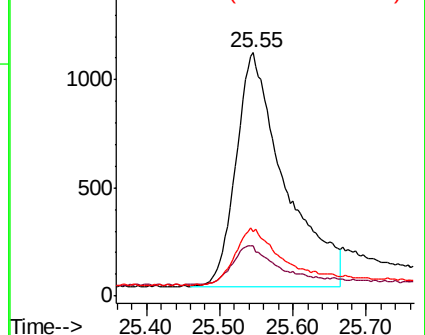
279 26.3 20.0 30.0

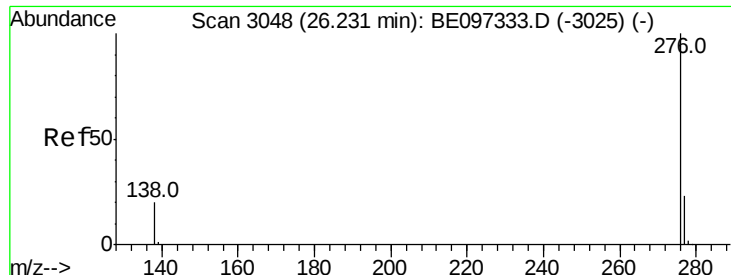


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.386 ng

RT: 26.22 min Scan# 3045

Delta R.T. -0.01 min

Lab File: BE097344.D

Acq: 20 Aug 2018 22:34

Instrument :

BNA_E

ClientSampleId :

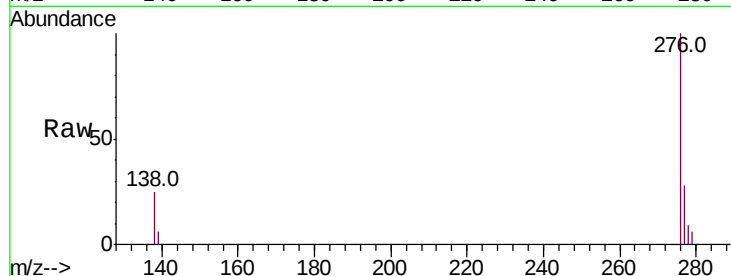
Tot Ion:276 Resp: 5161

Ion Ratio Lower Upper

276 100

277 28.0 16.0 24.0#

138 24.8 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

