

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092118\
 Data File : BE097623.D
 Acq On : 21 Sep 2018 22:12
 Operator : SJ/JU
 Sample : PB112996BS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB112996BS

Quant Time: Sep 22 04:09:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 20 10:54:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1137	0.40	ng	0.00
7) Naphthalene-d8	10.13	136	4795	0.40	ng	0.00
13) Acenaphthene-d10	14.00	164	2294	0.40	ng	0.00
19) Phenanthrene-d10	16.76	188	5429	0.40	ng	0.00
27) Chrysene-d12	20.97	240	7226	0.40	ng	0.00
34) Perylene-d12	23.20	264	7546	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	1231	0.36	ng	0.01
5) Phenol-d6	6.62	99	1366	0.31	ng	0.01
8) Nitrobenzene-d5	8.53	82	1388	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	11.72	152	3518	0.53	ng	0.00
14) 2,4,6-Tribromophenol	15.54	330	209	0.28	ng	0.02
15) 2-Fluorobiphenyl	12.62	172	3791	0.47	ng	0.00
25) Fluoranthene-d10	18.80	212	25245	0.36	ng	0.00
29) Terphenyl-d14	19.42	244	4461	0.34	ng	0.00

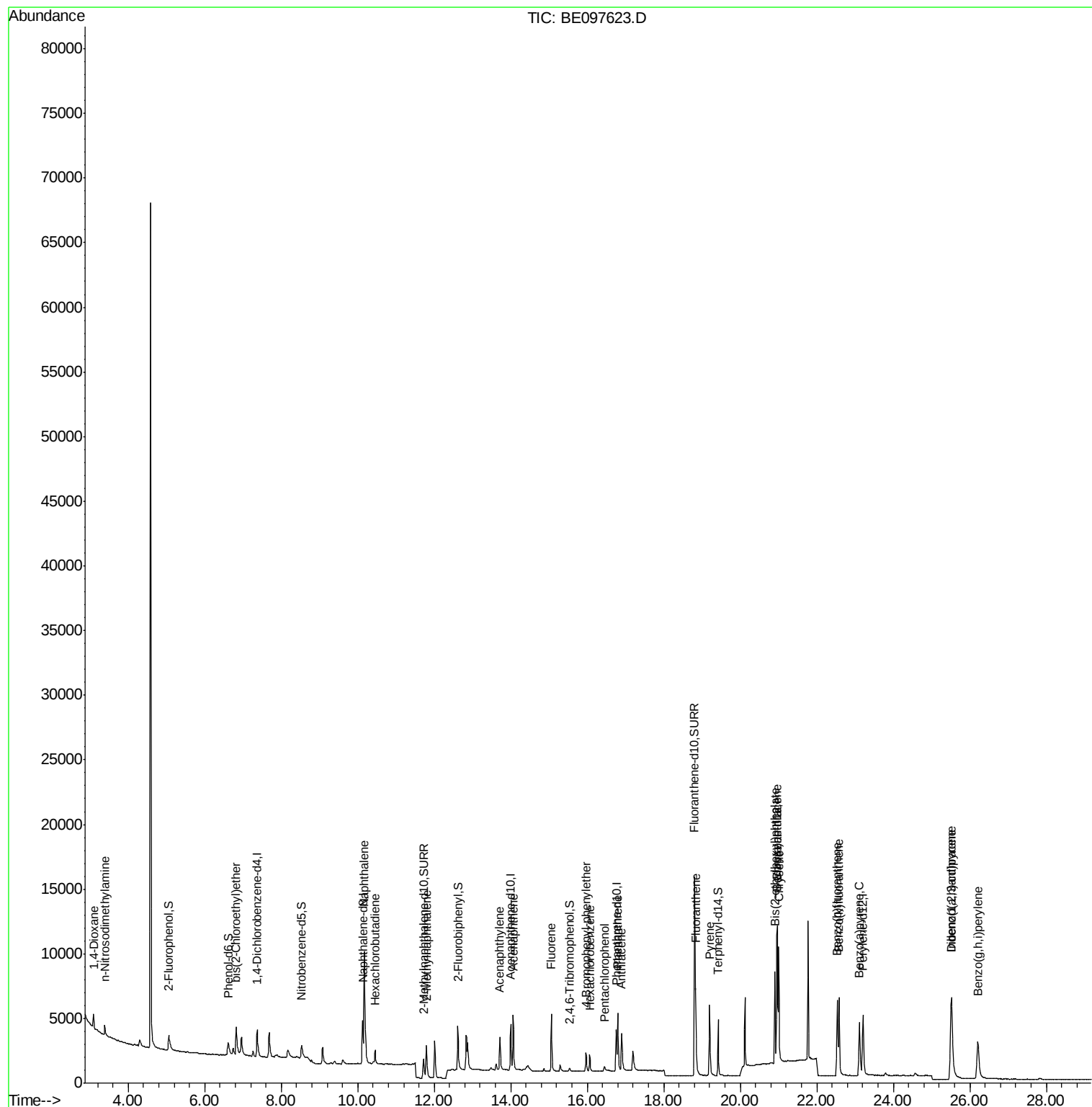
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.09	88	635	0.319	ng	# 43
3) n-Nitrosodimethylamine	3.38	42	574	0.350	ng	# 92
6) bis(2-Chloroethyl)ether	6.82	93	1312	0.325	ng	78
9) Naphthalene	10.17	128	17455	0.404	ng	100
10) Hexachlorobutadiene	10.46	225	749	0.376	ng	97
12) 2-Methylnaphthalene	11.80	142	2646	0.393	ng	99
16) Acenaphthylene	13.72	152	3484	0.384	ng	100
17) Acenaphthene	14.06	154	2393	0.394	ng	96
18) Fluorene	15.06	166	2980	0.376	ng	# 79
20) 4-Bromophenyl-phenylether	15.96	248	930	0.380	ng	# 80
21) Hexachlorobenzene	16.07	284	1110	0.412	ng	# 84
22) Pentachlorophenol	16.45	266	336	0.408	ng	86
23) Phenanthrene	16.80	178	5141	0.399	ng	99
24) Anthracene	16.89	178	4351	0.382	ng	95
26) Fluoranthene	18.84	202	6102	0.341	ng	99
28) Pyrene	19.20	202	6170	0.375	ng	99
30) Benzo(a)anthracene	20.95	228	7101	0.390	ng	98
31) Chrysene	21.00	228	8133	0.417	ng	99
32) Bis(2-ethylhexyl)phthalate	20.91	149	8413	0.286	ng	# 100
33) Indeno(1,2,3-cd)pyrene	25.51	276	10286	0.438	ng	# 93
35) Benzo(b)fluoranthene	22.53	252	8123	0.420	ng	# 90
36) Benzo(k)fluoranthene	22.58	252	9151	0.414	ng	94
37) Benzo(a)pyrene	23.11	252	8080	0.430	ng	93
38) Dibenzo(a,h)anthracene	25.52	278	8440	0.416	ng	96
39) Benzo(g,h,i)perylene	26.21	276	8604	0.436	ng	# 89

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

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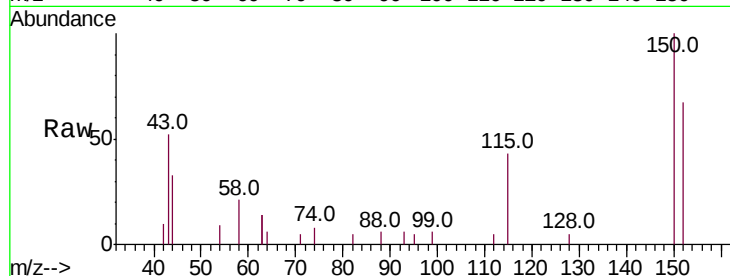


#1

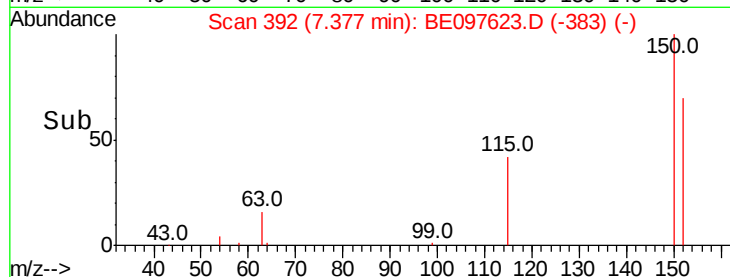
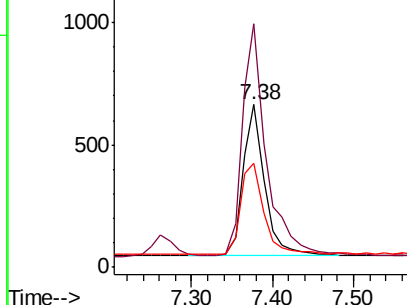
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097623.D
Acq: 21 Sep 2018 22:12

Instrument :
BNA_E
ClientSampleId :
PB112996BS

Tot Ion:152 Resp: 1137
Ion Ratio Lower Upper
152 100
150 149.6 117.2 175.8
115 63.9 57.0 85.6



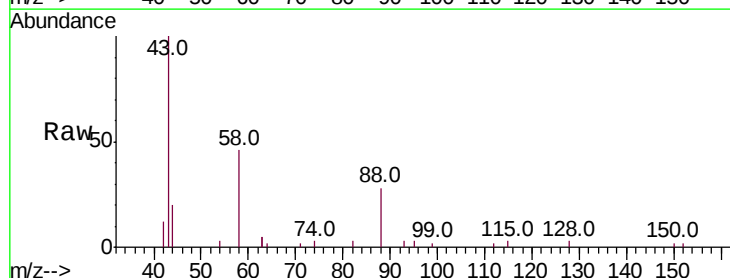
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



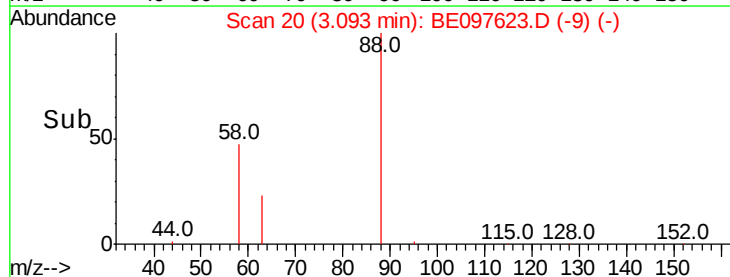
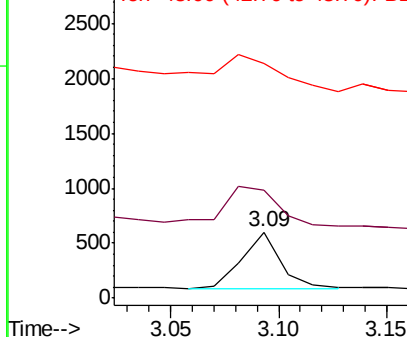
#2

1,4-Dioxane
Concen: 0.319 ng
RT: 3.09 min Scan# 20
Delta R.T. 0.02 min
Lab File: BE097623.D
Acq: 21 Sep 2018 22:12

Tgt Ion: 88 Resp: 635
Ion Ratio Lower Upper
88 100
58 101.3 63.2 94.8#
43 124.4 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: 0.350 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.01 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

Instrument :

BNA_E

ClientSampleId :

PB112996BS

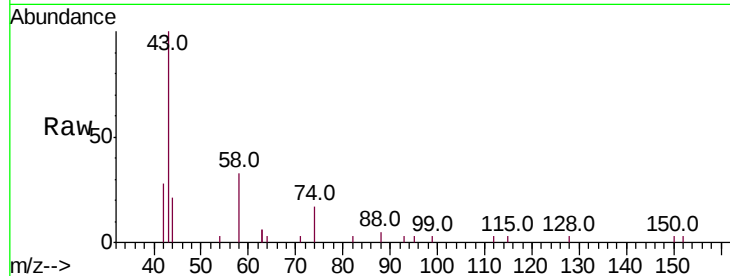
Tot Ion: 42 Resp: 574

Ion Ratio Lower Upper

42 100

74 129.1 96.0 144.0

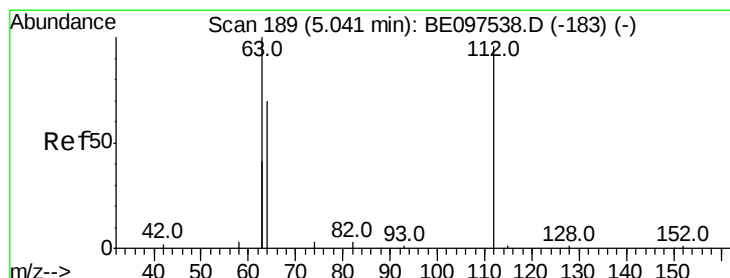
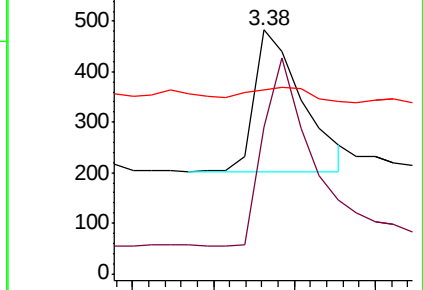
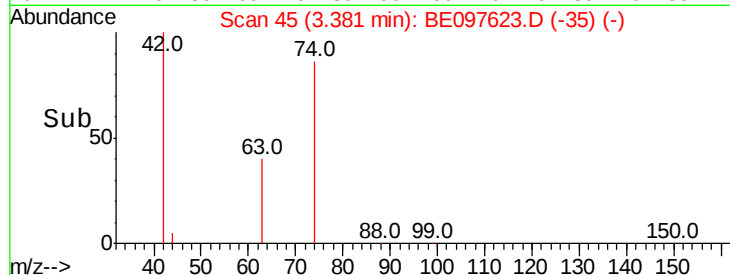
44 11.3 12.0 18.0#



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: 0.361 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.01 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

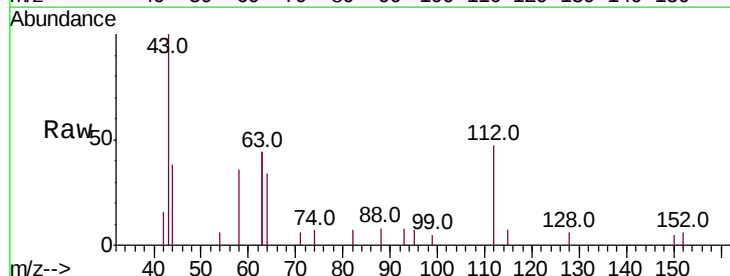
Tgt Ion: 112 Resp: 1231

Ion Ratio Lower Upper

112 100

64 66.4 60.1 90.1

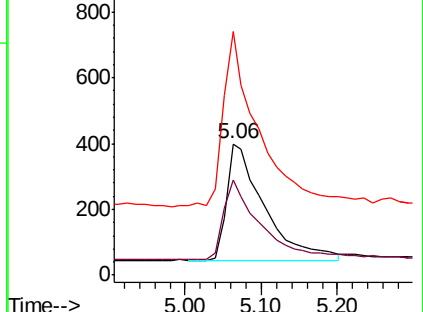
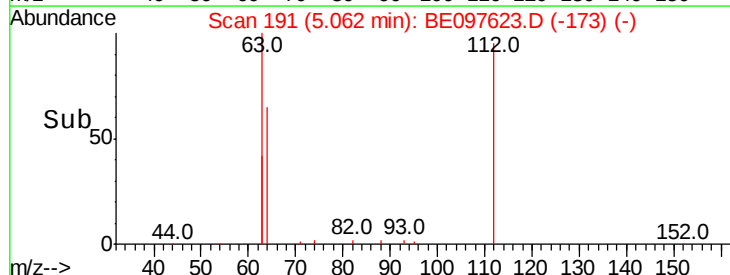
63 137.6 116.8 175.2



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: 0.314 ng

RT: 6.62 min Scan# 326

Delta R.T. 0.01 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

Instrument :

BNA_E

ClientSampleId :

PB112996BS

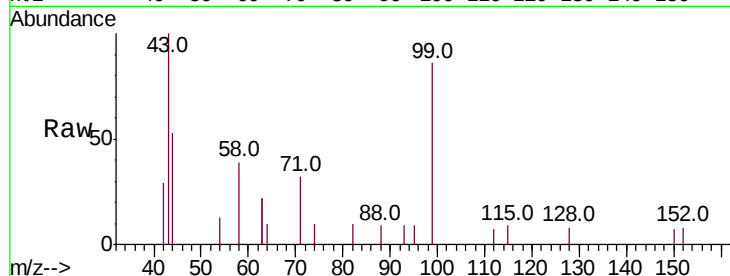
Tot Ion: 99 Resp: 1366

Ion Ratio Lower Upper

99 100

42 20.6 20.2 30.2

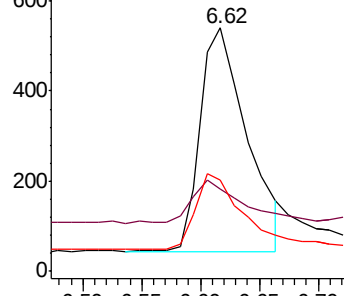
71 33.5 28.4 42.6



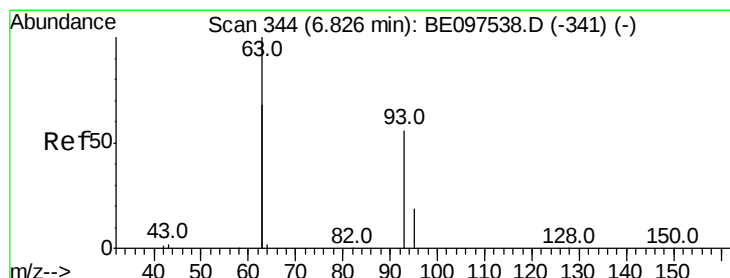
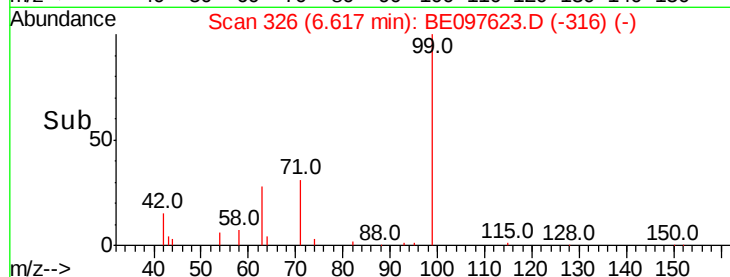
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.325 ng

RT: 6.82 min Scan# 344

Delta R.T. -0.00 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

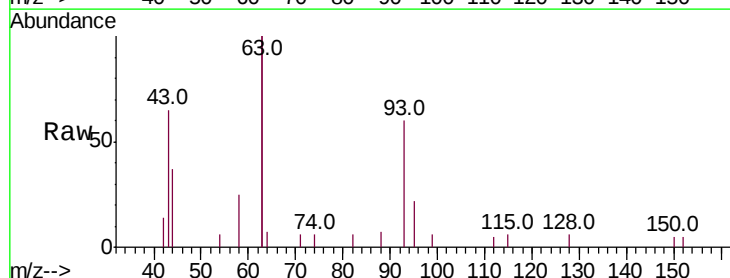
Tgt Ion: 93 Resp: 1312

Ion Ratio Lower Upper

93 100

63 291.9 275.3 412.9

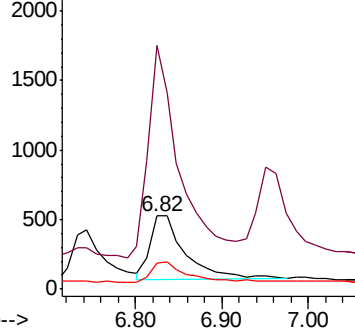
95 31.8 25.2 37.8



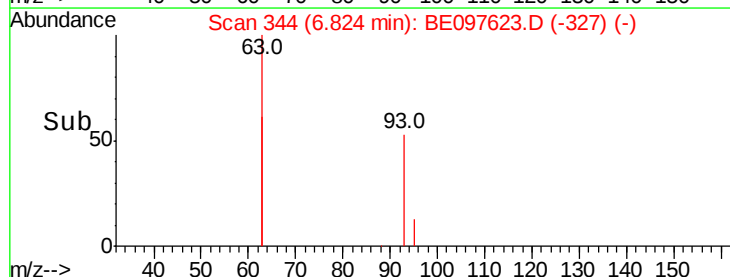
Abundance Ion 93.00 (92.70 to 93.70): BE0

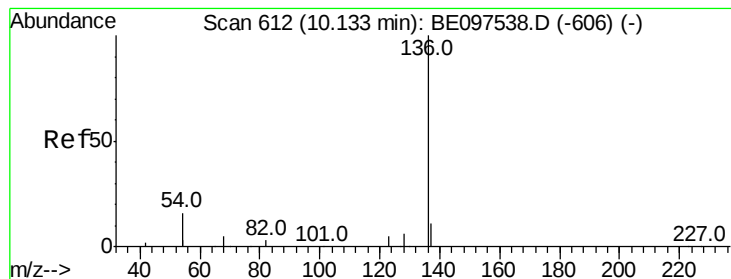
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 613

Delta R.T. 0.00 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

Instrument :

BNA_E

ClientSampleId :

PB112996BS

Tot Ion:136 Resp: 4795

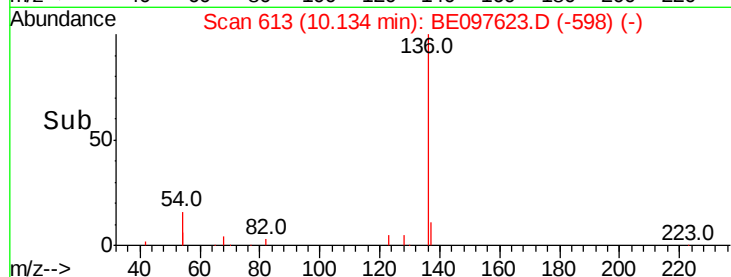
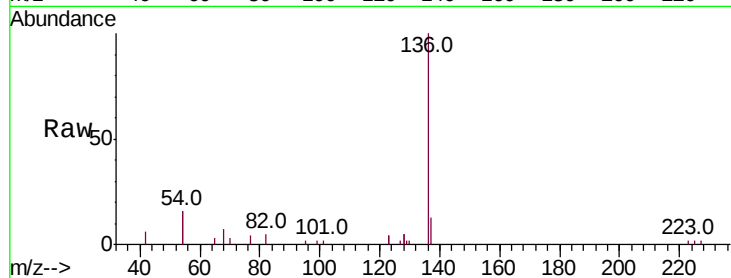
Ion Ratio Lower Upper

136 100

137 12.8 9.5 14.3

54 31.2 29.1 43.7

68 6.7 6.2 9.2

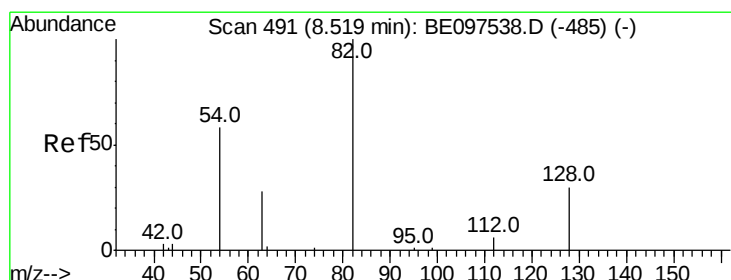
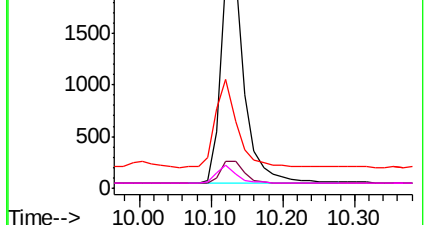


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.375 ng

RT: 8.53 min Scan# 492

Delta R.T. -0.00 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

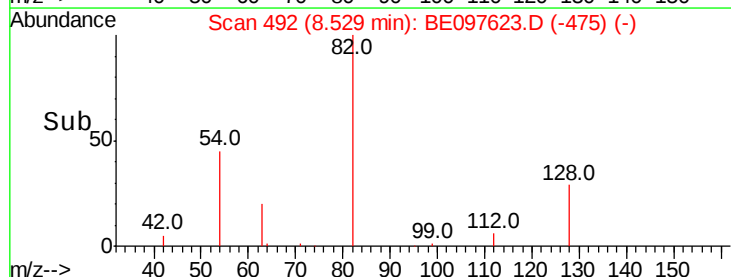
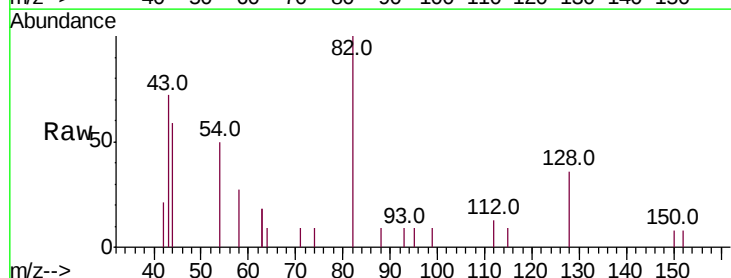
Tgt Ion: 82 Resp: 1388

Ion Ratio Lower Upper

82 100

128 35.7 24.0 36.0

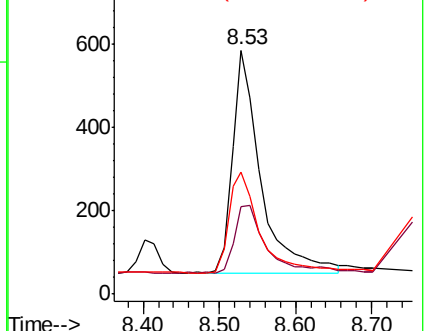
54 50.2 40.0 60.0



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: 0.404 ng

RT: 10.17 min Scan# 616

Delta R.T. 0.00 min

Lab File: BE097623.D

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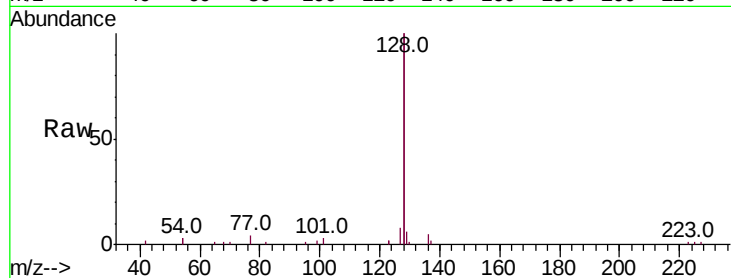
Tot Ion:128 Resp: 17455

Ion Ratio Lower Upper

128 100

129 3.2 2.6 3.8

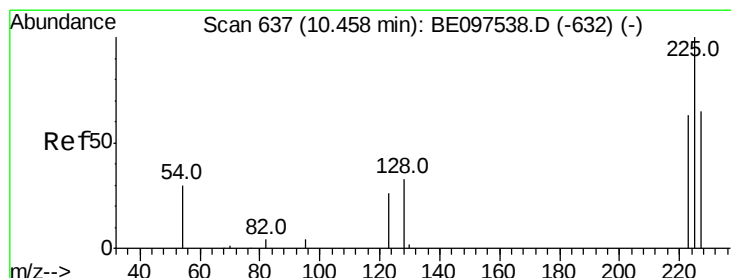
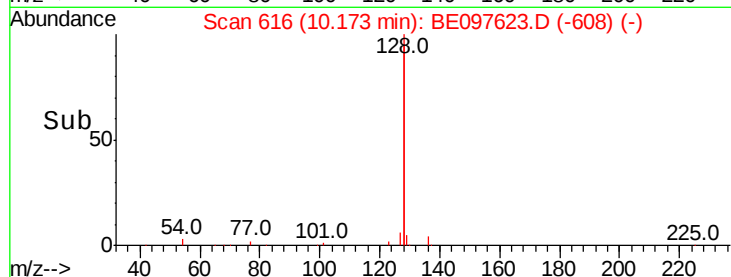
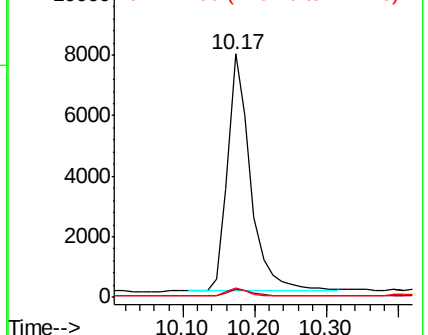
127 3.8 2.8 4.2



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: 0.376 ng

RT: 10.46 min Scan# 638

Delta R.T. 0.00 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

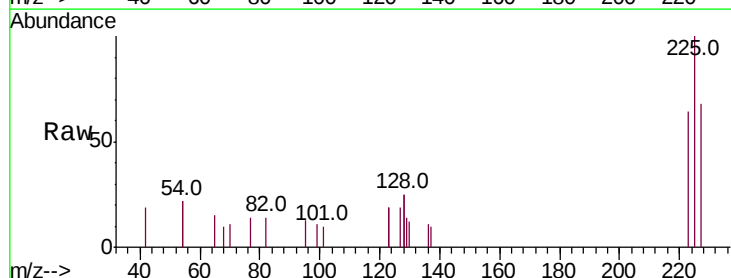
Tgt Ion:225 Resp: 749

Ion Ratio Lower Upper

225 100

223 63.2 53.0 79.6

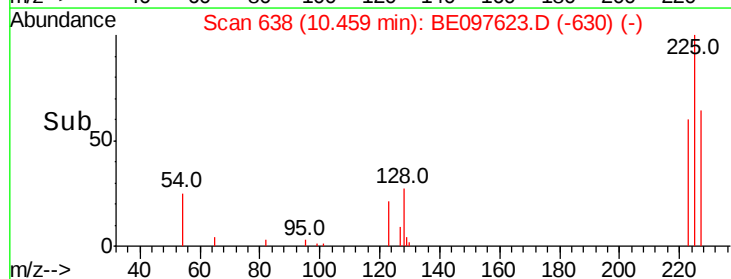
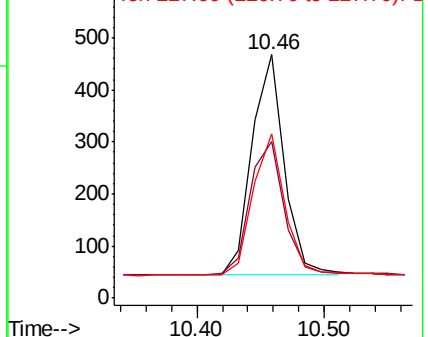
227 63.0 51.4 77.2

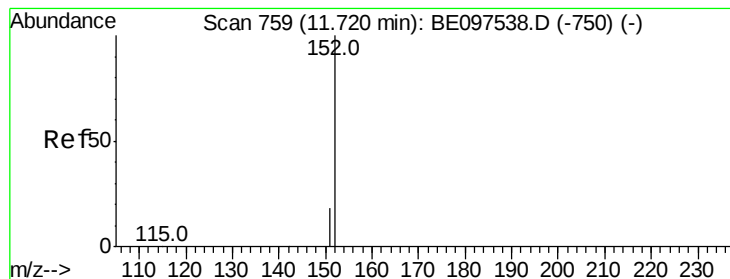


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.532 ng

RT: 11.72 min Scan# 760

Delta R.T. 0.00 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

Instrument :

BNA_E

ClientSampleId :

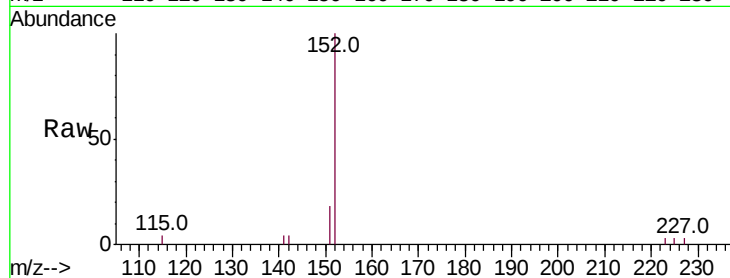
PB112996BS

Tot Ion:152 Resp: 3518

Ion Ratio Lower Upper

152 100

151 14.3 15.4 23.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.72

1500

1000

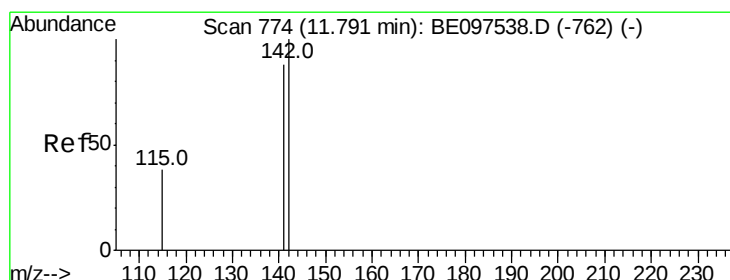
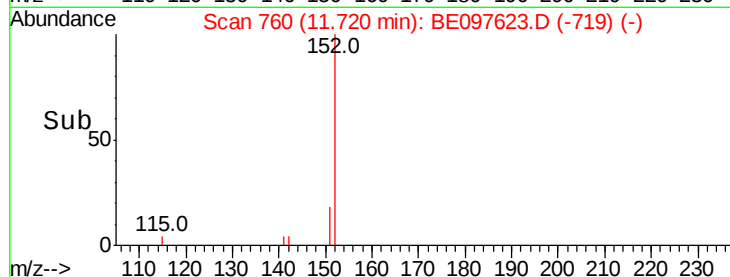
500

0

Time-->

11.60

11.80



#12

2-Methylnaphthalene

Concen: 0.393 ng

RT: 11.80 min Scan# 776

Delta R.T. 0.00 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

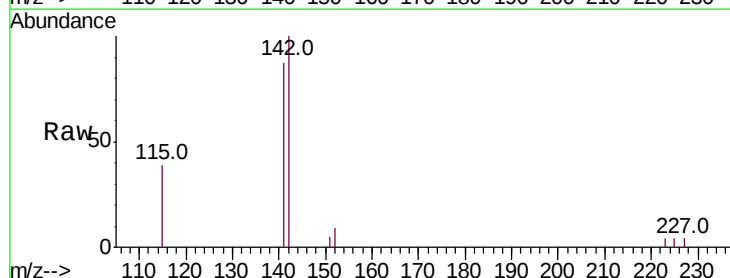
Tgt Ion:142 Resp: 2646

Ion Ratio Lower Upper

142 100

141 87.2 70.4 105.6

115 39.4 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

1500

1000

500

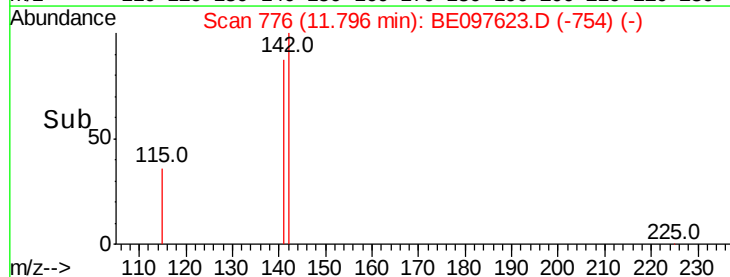
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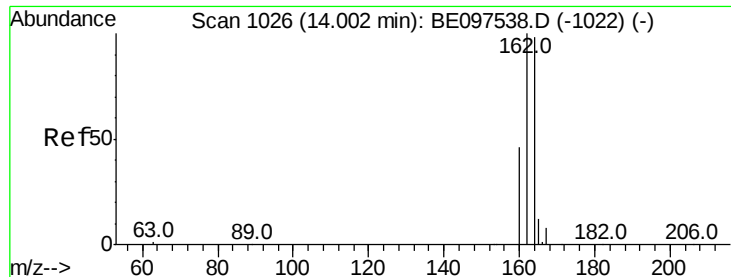
Time-->

11.70

11.80

11.90

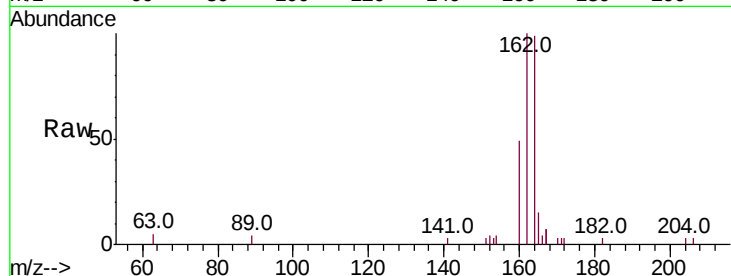




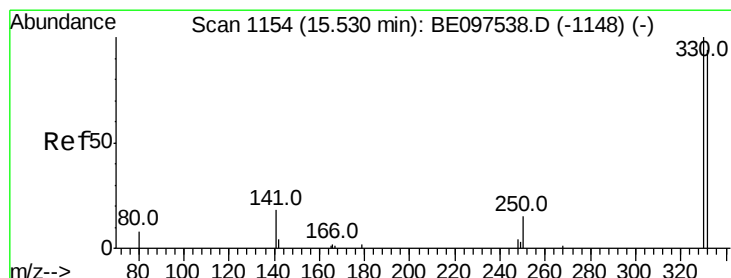
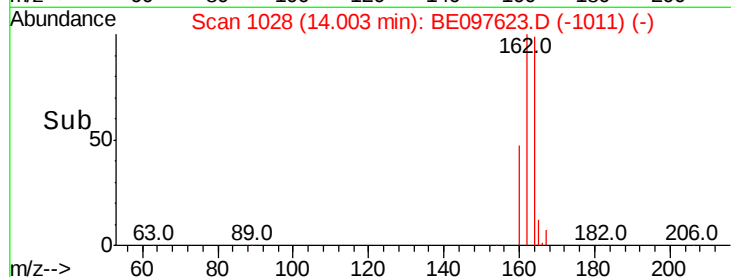
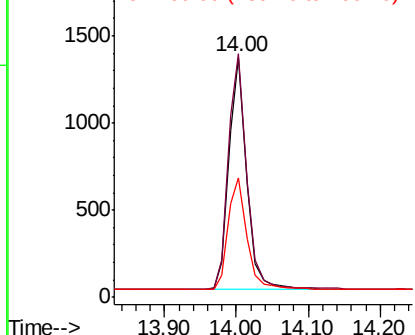
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.00 min Scan# 1028
 Delta R.T. 0.00 min
 Lab File: BE097623.D
 Acq: 21 Sep 2018 22:12

Instrument :
 BNA_E
 ClientSampleId :
 PB112996BS

Tot Ion:164 Resp: 2294
 Ion Ratio Lower Upper
 164 100
 162 101.3 83.1 124.7
 160 49.6 37.1 55.7

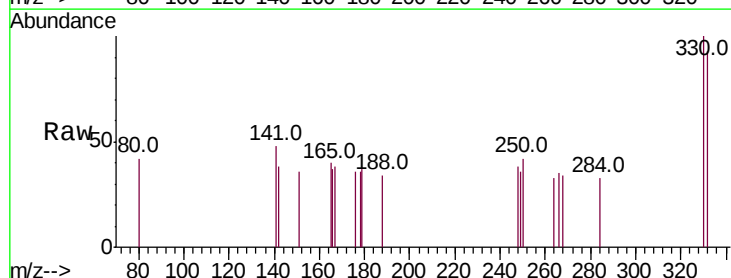


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

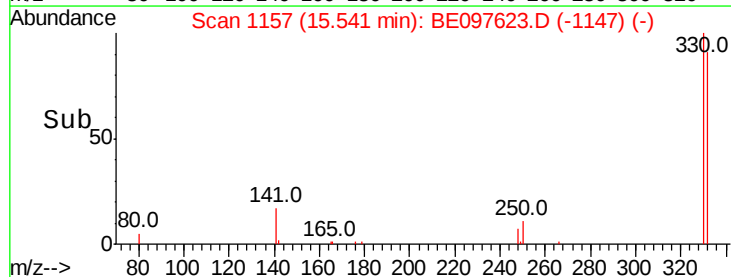
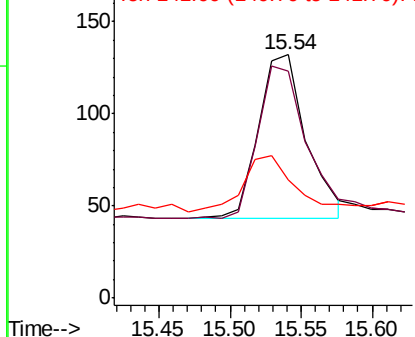


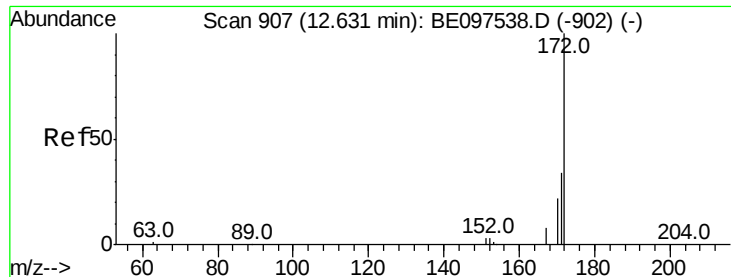
#14
 2,4,6-Tribromophenol
 Concen: 0.284 ng
 RT: 15.54 min Scan# 1157
 Delta R.T. 0.02 min
 Lab File: BE097623.D
 Acq: 21 Sep 2018 22:12

Tgt Ion:330 Resp: 209
 Ion Ratio Lower Upper
 330 100
 332 95.2 152.7 229.1#
 141 34.4 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

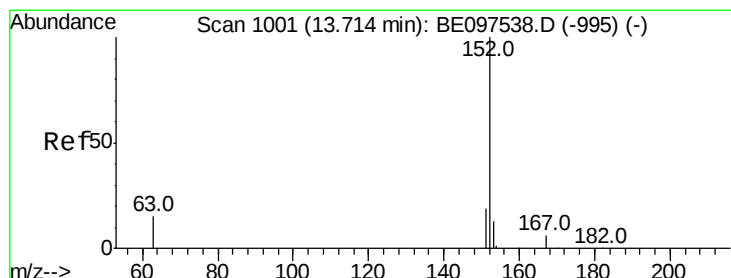
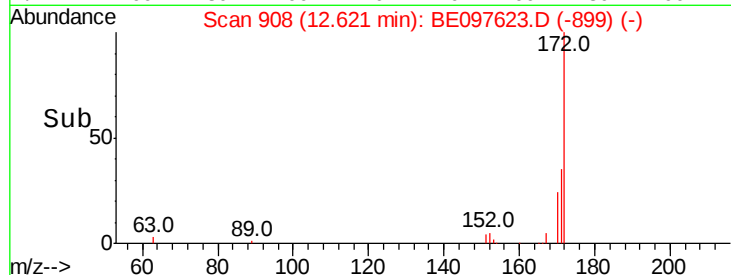
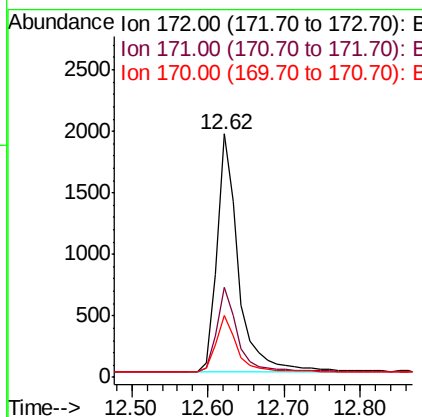
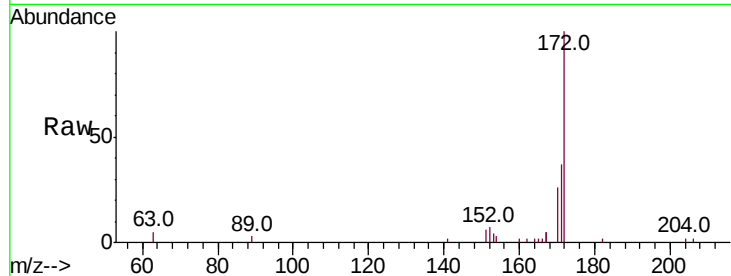




#15
2-Fluorobiphenyl
Concen: 0.468 ng
RT: 12.62 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE097623.D
Acq: 21 Sep 2018 22:12

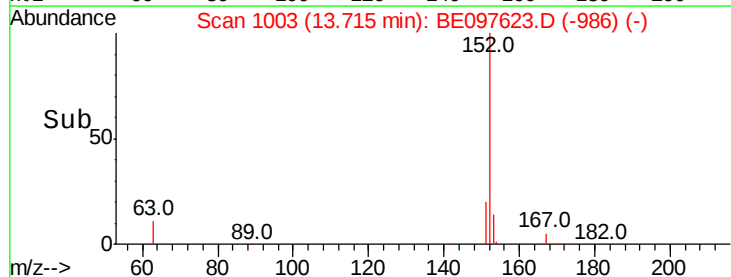
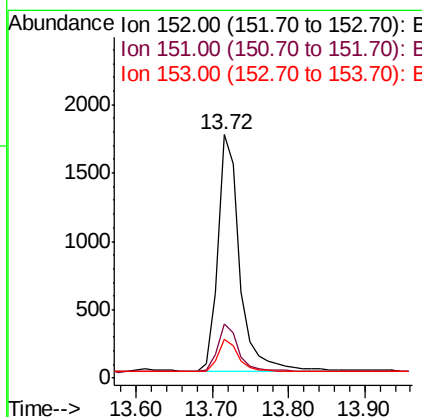
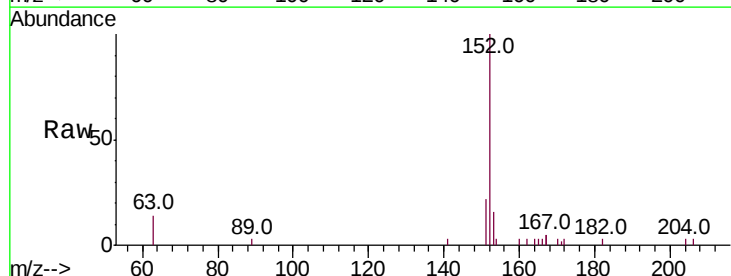
Instrument :
BNA_E
ClientSampleId :
PB112996BS

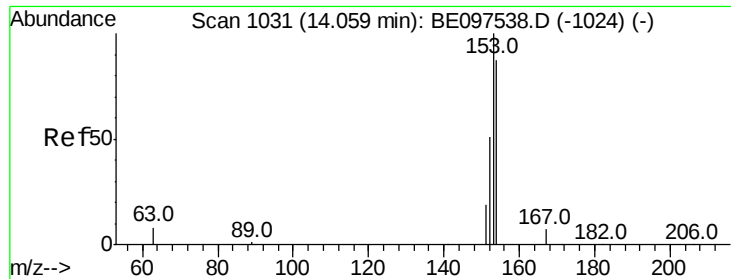
Tot Ion:172 Resp: 3791
Ion Ratio Lower Upper
172 100
171 36.9 29.9 44.9
170 25.5 21.8 32.8



#16
Acenaphthylene
Concen: 0.384 ng
RT: 13.72 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE097623.D
Acq: 21 Sep 2018 22:12

Tgt Ion:152 Resp: 3484
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.3 10.5 15.7





#17

Acenaphthene

Concen: 0.394 ng

RT: 14.06 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

Instrument :

BNA_E

ClientSampleId :

PB112996BS

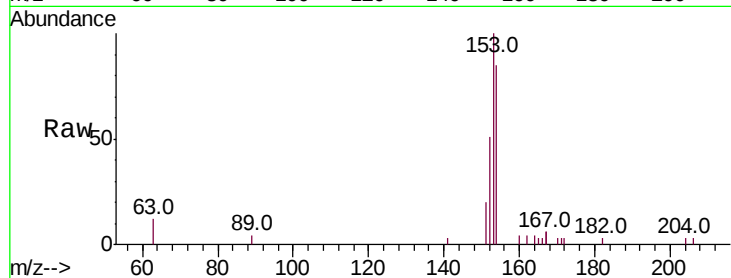
Tot Ion:154 Resp: 2393

Ion Ratio Lower Upper

154 100

153 114.2 89.2 133.8

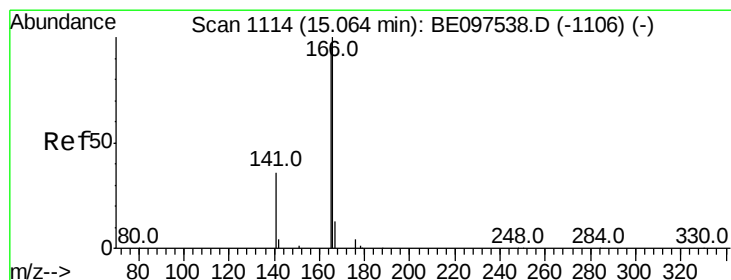
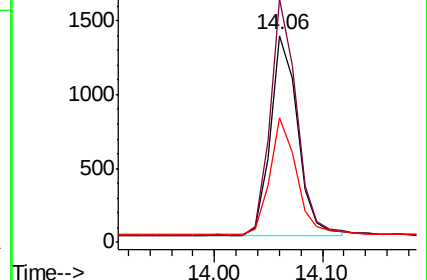
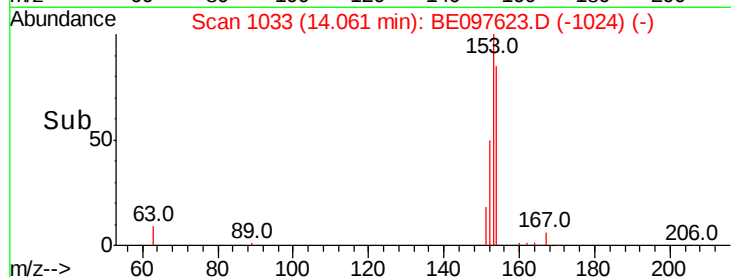
152 57.4 42.0 63.0



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: 0.376 ng

RT: 15.06 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

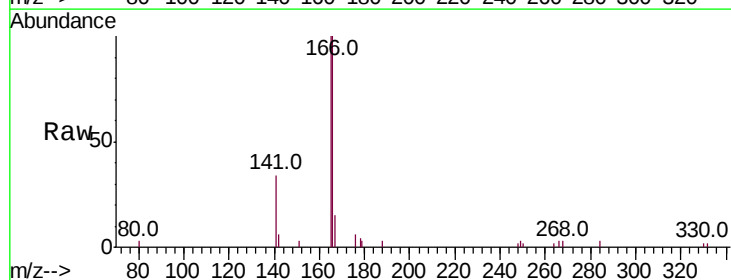
Tgt Ion:166 Resp: 2980

Ion Ratio Lower Upper

166 100

165 98.5 77.8 116.6

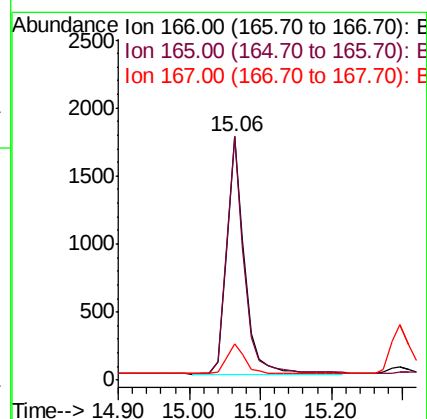
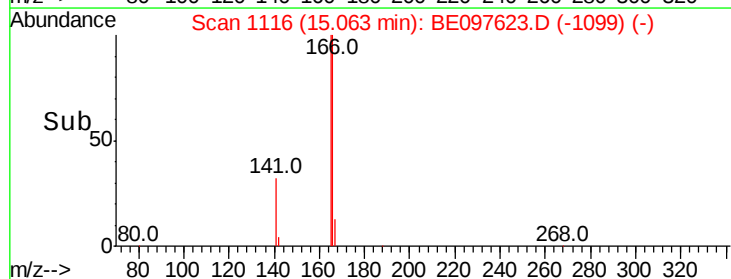
167 13.1 42.4 63.6#

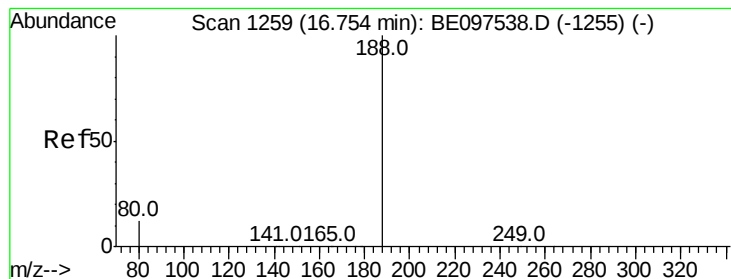


Abundance Ion 166.00 (165.70 to 166.70): E

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# 1262

Delta R.T. 0.01 min

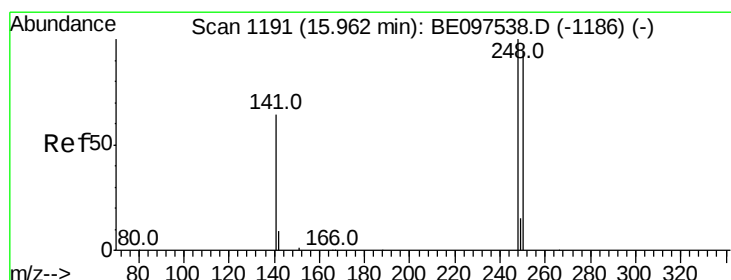
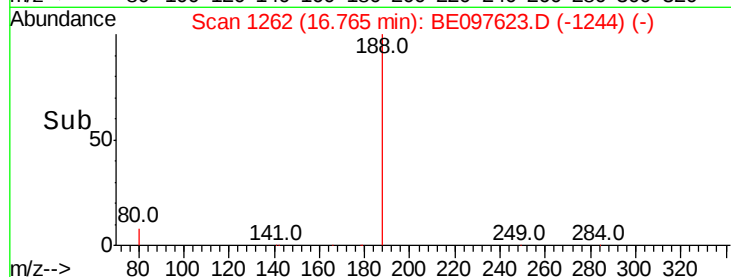
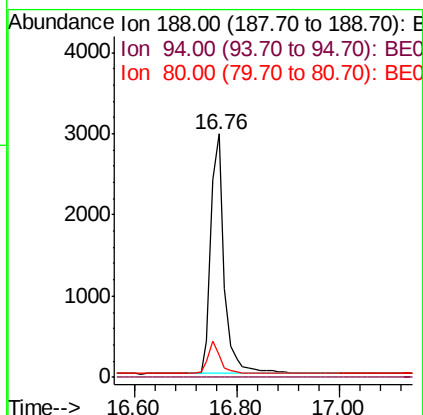
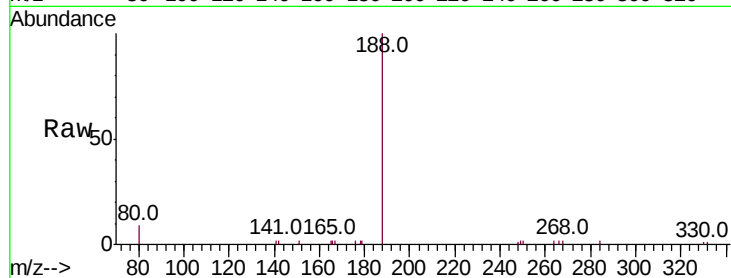
Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

Instrument :
BNA_E
ClientSampleId :
PB112996BS

Tot Ion:188 Resp: 5429

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	9.3	3.6	5.4#



#20

4-Bromophenyl-phenylether

Concen: 0.380 ng

RT: 15.96 min Scan# 1193

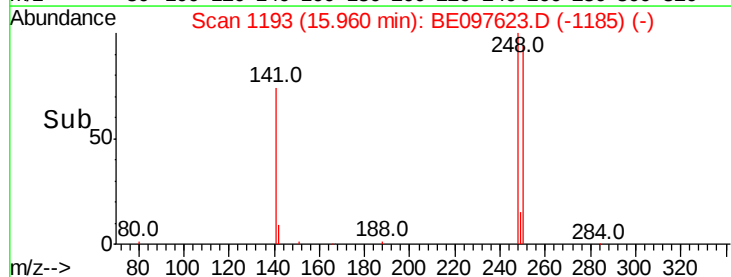
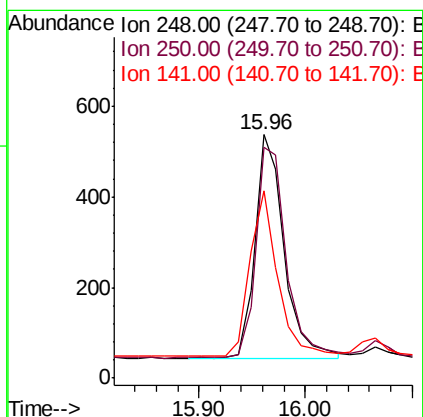
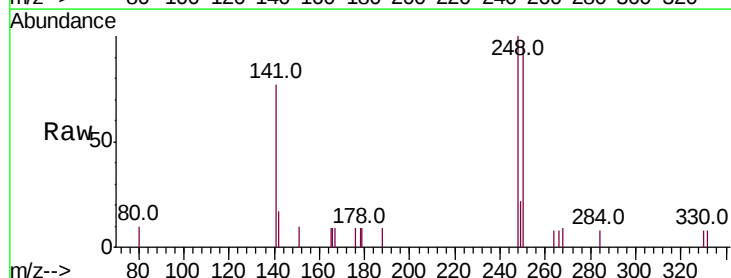
Delta R.T. -0.00 min

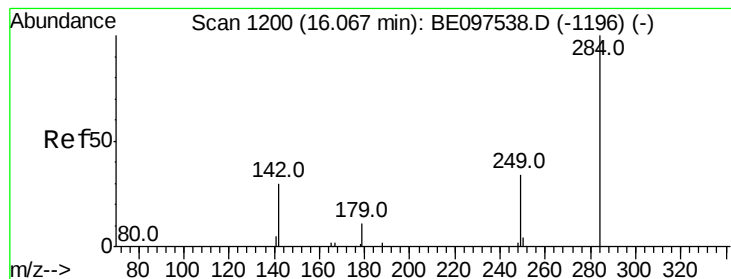
Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

Tgt Ion:248 Resp: 930

Ion	Ratio	Lower	Upper
248	100		
250	94.6	62.7	94.1#
141	77.1	48.2	72.2#





#21

Hexachlorobenzene

Concen: 0.412 ng

RT: 16.07 min Scan# 1202

Delta R.T. -0.00 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

Instrument :

BNA_E

ClientSampleId :

PB112996BS

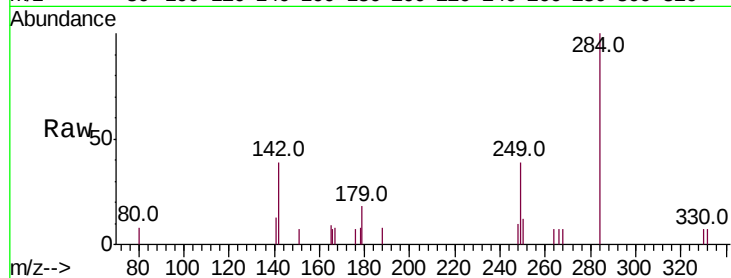
Tot Ion:284 Resp: 1110

Ion Ratio Lower Upper

284 100

142 32.2 22.1 33.1

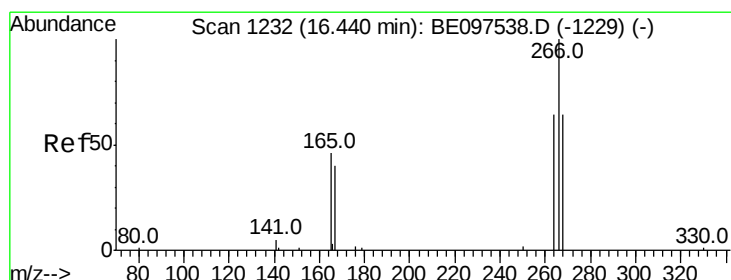
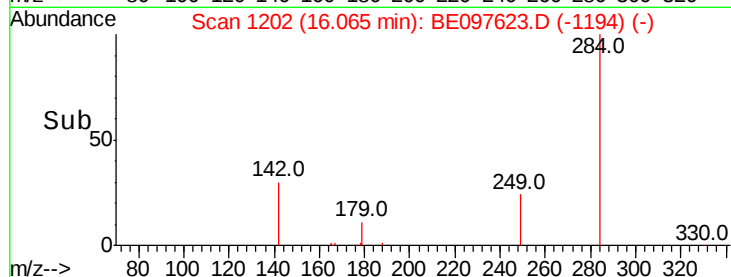
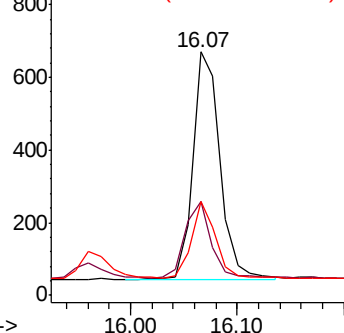
249 29.8 34.8 52.2#



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: 0.408 ng

RT: 16.45 min Scan# 1235

Delta R.T. 0.01 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

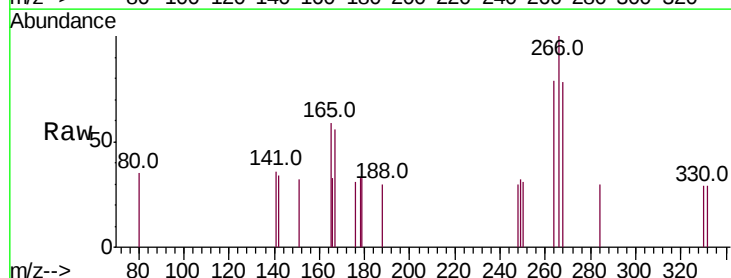
Tgt Ion:266 Resp: 336

Ion Ratio Lower Upper

266 100

264 78.7 72.5 108.7

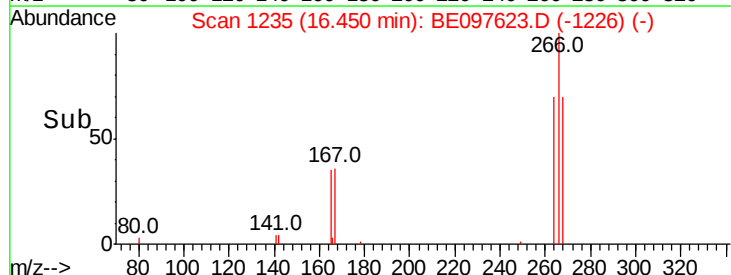
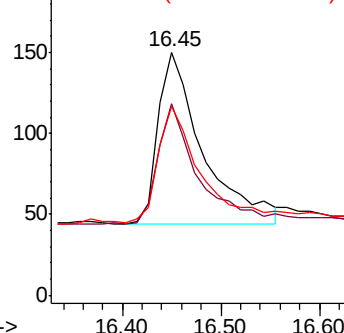
268 78.0 73.8 110.6



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: 0.399 ng

RT: 16.80 min Scan# 1265

Delta R.T. -0.00 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

Instrument :

BNA_E

ClientSampleId :

PB112996BS

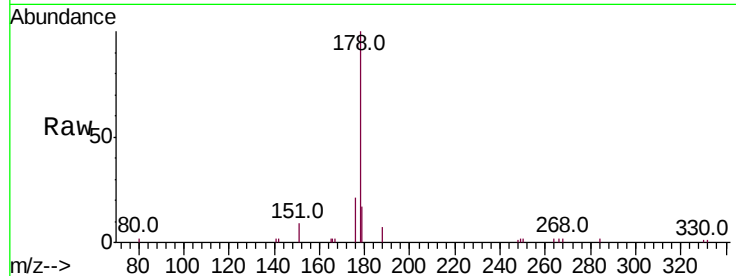
Tot Ion:178 Resp: 5141

Ion Ratio Lower Upper

178 100

176 19.2 15.1 22.7

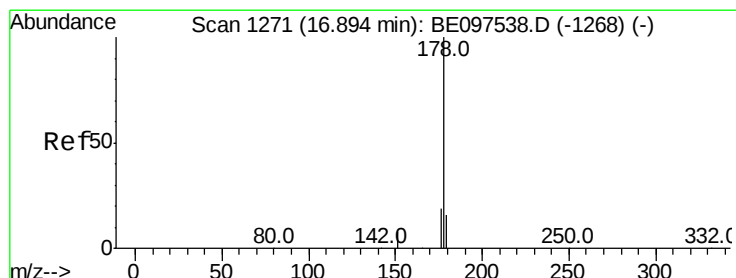
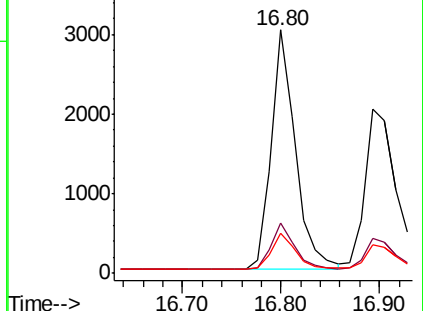
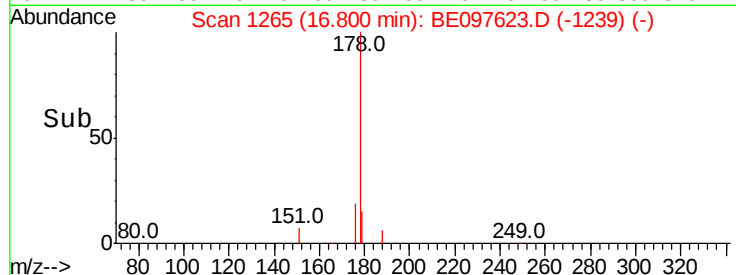
179 15.3 11.8 17.6



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: 0.382 ng

RT: 16.89 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

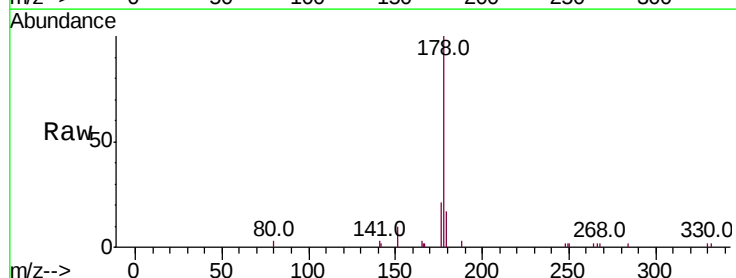
Tgt Ion:178 Resp: 4351

Ion Ratio Lower Upper

178 100

176 18.8 12.8 19.2

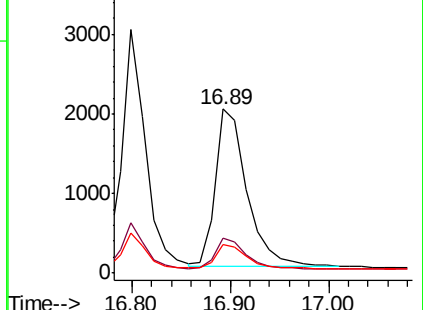
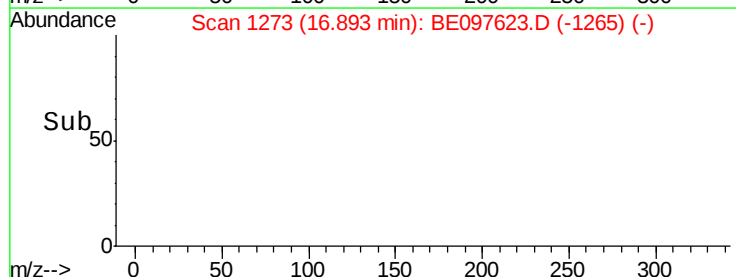
179 14.8 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.363 ng

RT: 18.80 min Scan# 1503

Delta R.T. 0.00 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

Instrument :

BNA_E

ClientSampleId :

PB112996BS

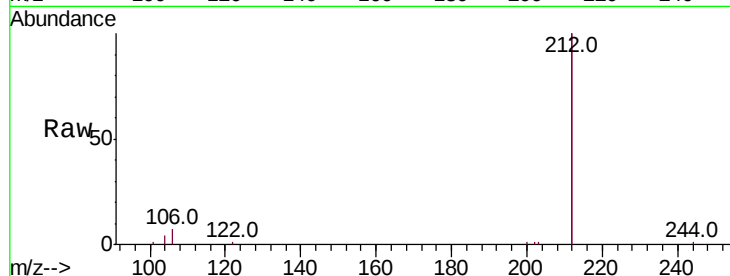
Tot Ion:212 Resp: 25245

Ion Ratio Lower Upper

212 100

106 3.2 2.8 4.2

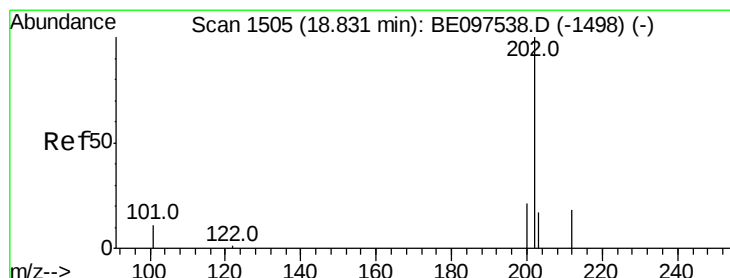
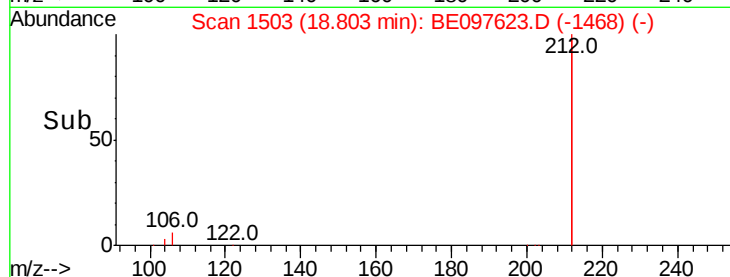
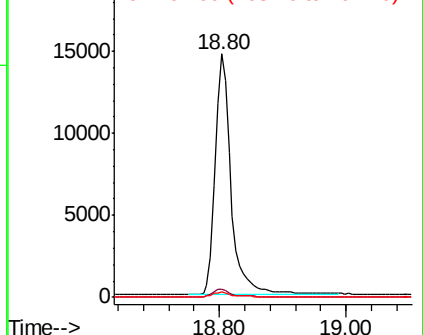
104 1.8 1.6 2.4



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: 0.341 ng

RT: 18.84 min Scan# 1509

Delta R.T. 0.01 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

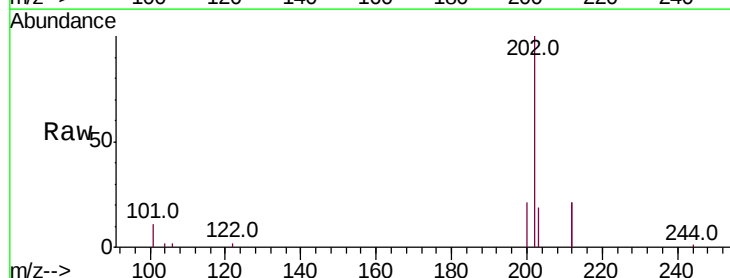
Tgt Ion:202 Resp: 6102

Ion Ratio Lower Upper

202 100

101 11.4 9.8 14.8

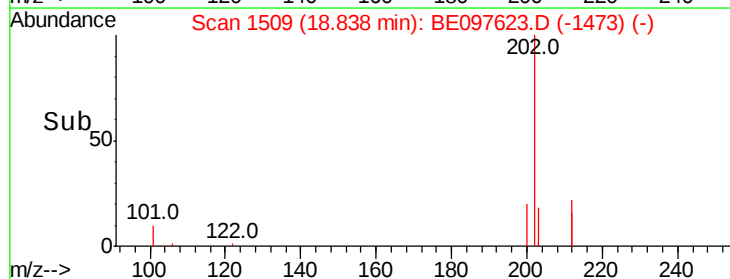
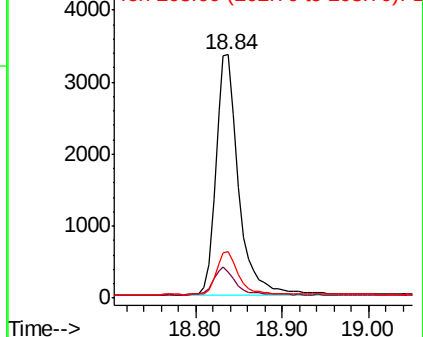
203 17.3 13.7 20.5



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

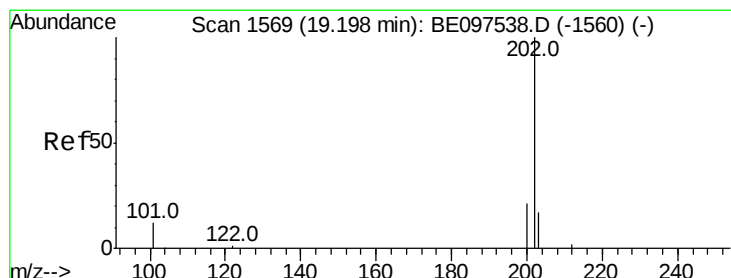
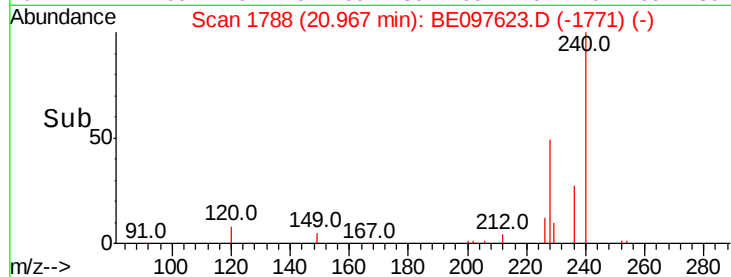
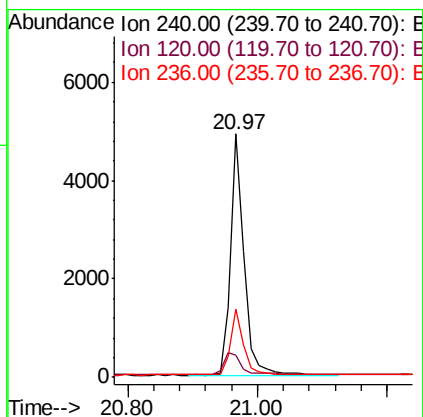
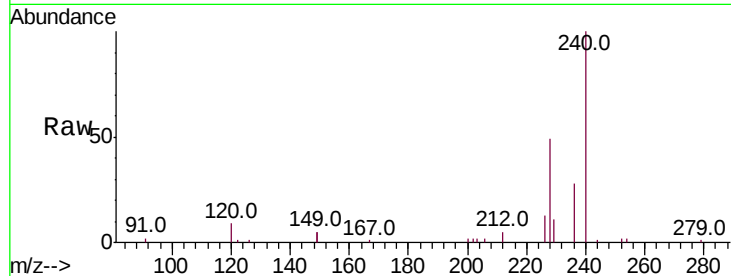




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 20.97 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: BE097623.D
 Acq: 21 Sep 2018 22:12

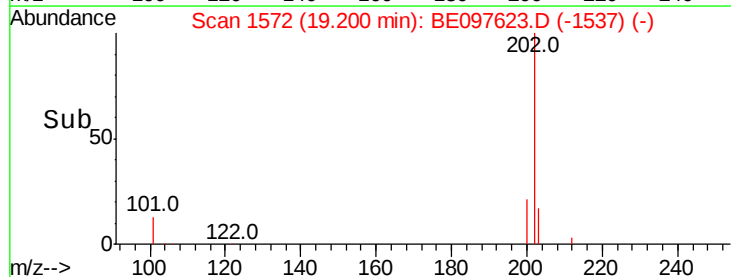
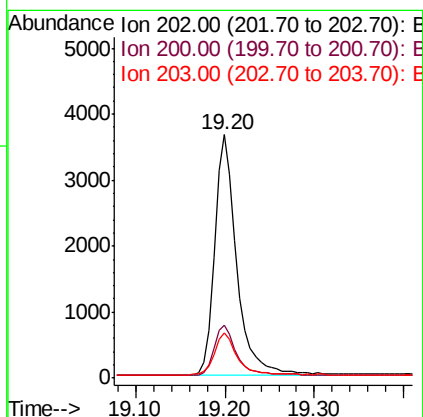
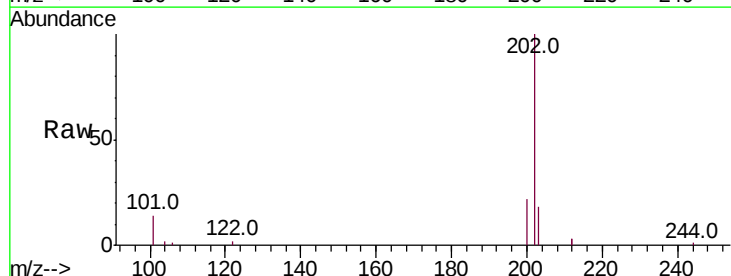
Instrument :
 BNA_E
 ClientSampleId :
 PB112996BS

Tot Ion:240 Resp: 7226
 Ion Ratio Lower Upper
 240 100
 120 8.9 5.5 8.3#
 236 28.0 20.7 31.1



#28
 Pyrene
 Concen: 0.375 ng
 RT: 19.20 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BE097623.D
 Acq: 21 Sep 2018 22:12

Tgt Ion:202 Resp: 6170
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.6 25.0
 203 17.7 13.8 20.8





#29

Terphenyl-d14

Concen: 0.337 ng

RT: 19.42 min Scan# 1610

Delta R.T. 0.00 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

Instrument :

BNA_E

ClientSampleId :

PB112996BS

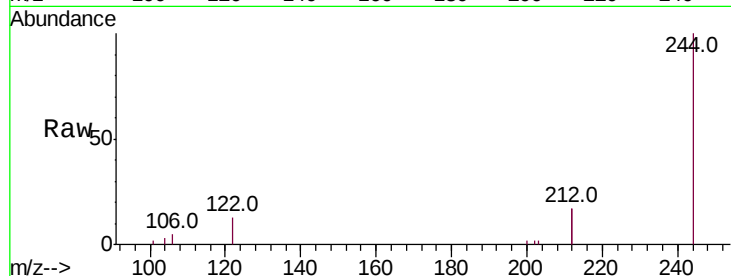
Tot Ion:244 Resp: 4461

Ion Ratio Lower Upper

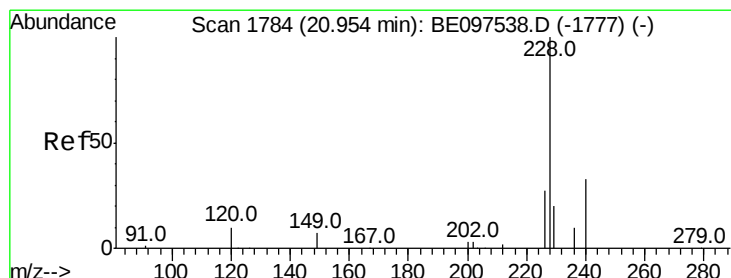
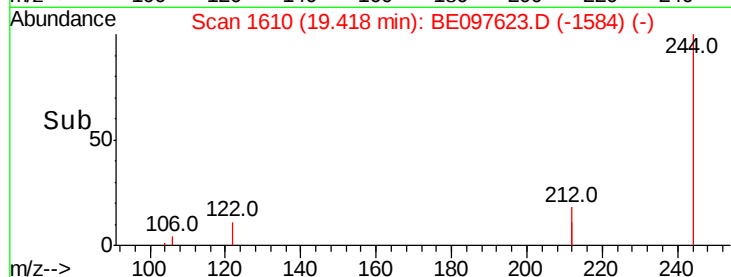
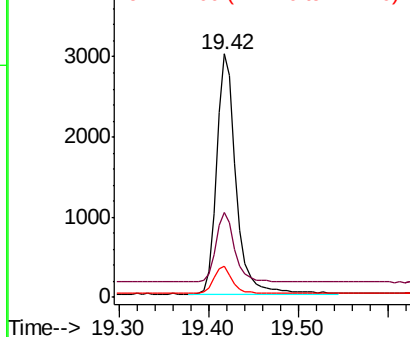
244 100

212 34.9 25.4 38.0

122 12.6 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: 0.390 ng

RT: 20.95 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

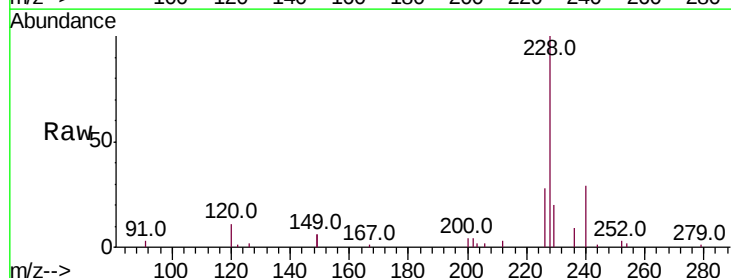
Tgt Ion:228 Resp: 7101

Ion Ratio Lower Upper

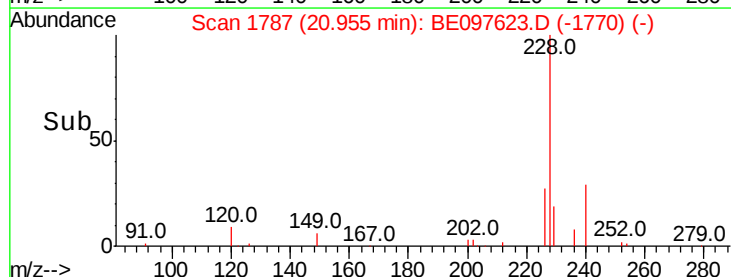
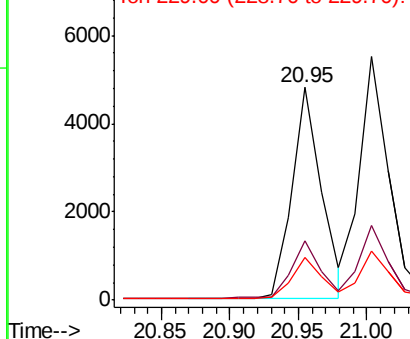
228 100

226 28.1 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





#31

Chrysene

Concen: 0.417 ng

RT: 21.00 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

Instrument :

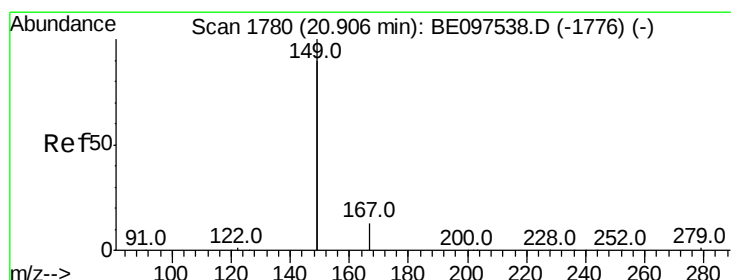
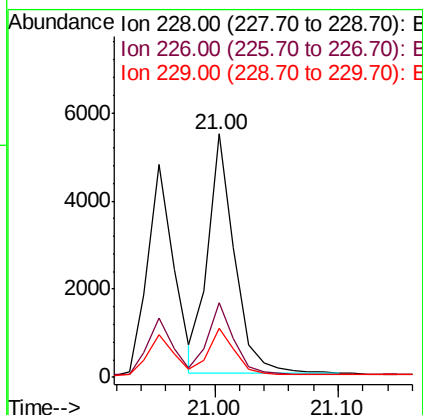
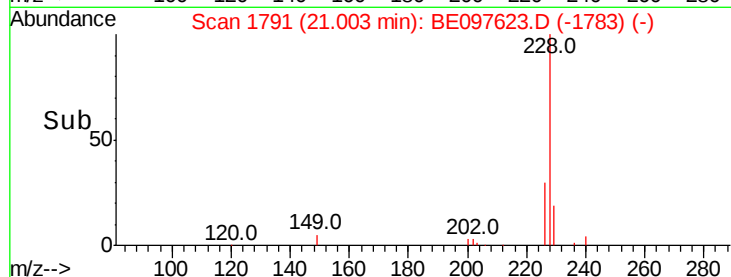
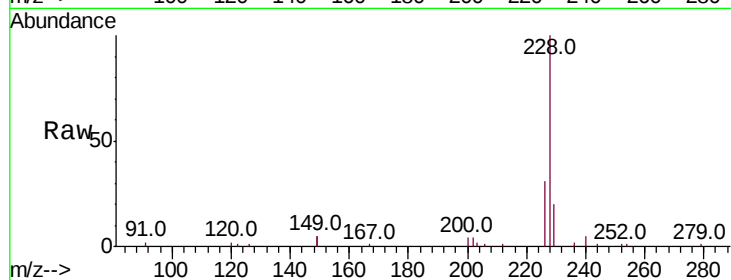
BNA_E

ClientSampleId :

PB112996BS

Tot Ion:228 Resp: 8133

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.0	36.0
229	20.0	16.0	24.0



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.286 ng

RT: 20.91 min Scan# 1783

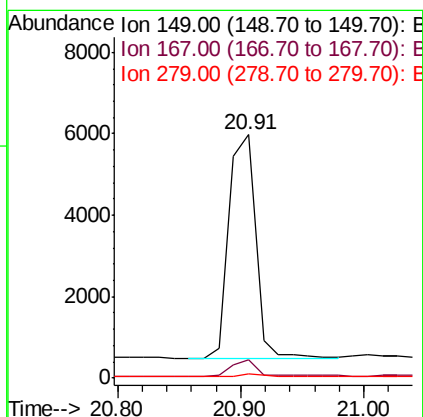
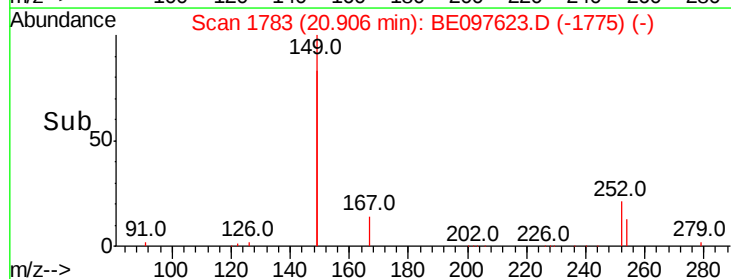
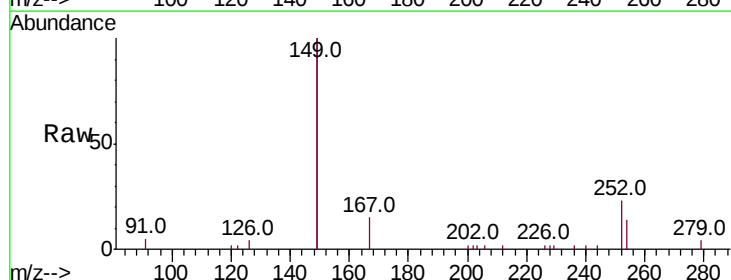
Delta R.T. -0.00 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

Tgt Ion:149 Resp: 8413

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.4	8.0
279	1.1	0.7	1.1#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.438 ng

RT: 25.51 min Scan# 2846

Delta R.T. 0.01 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

Instrument :

BNA_E

ClientSampleId :

PB112996BS

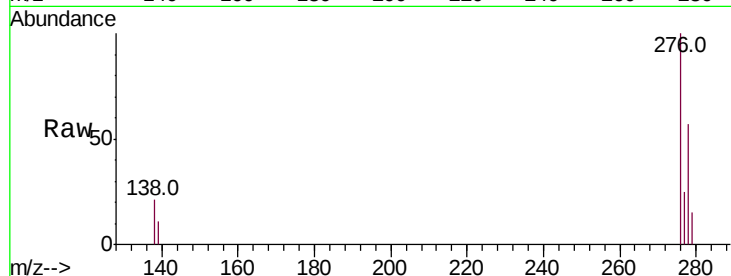
Tot Ion:276 Resp: 10286

Ion Ratio Lower Upper

276 100

138 21.3 22.5 33.7#

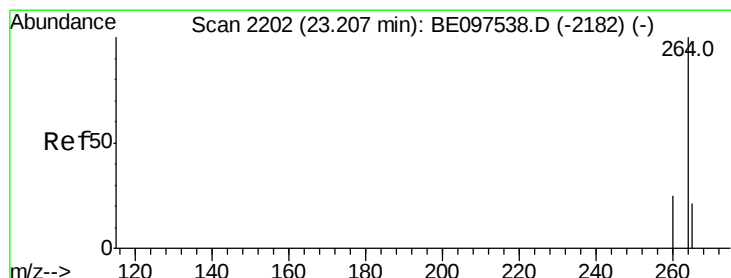
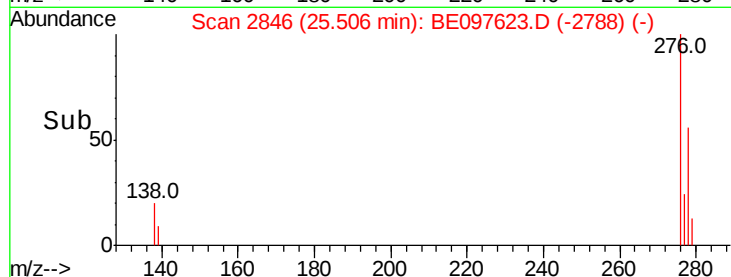
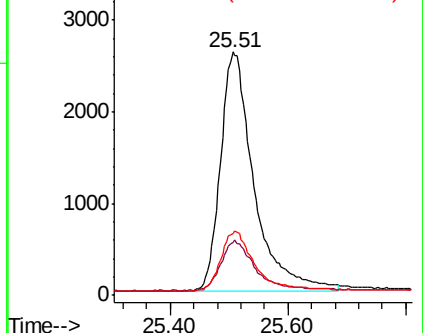
277 25.0 19.9 29.9



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: 23.20 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

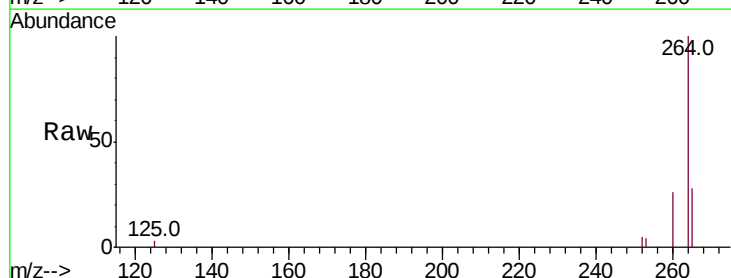
Tgt Ion:264 Resp: 7546

Ion Ratio Lower Upper

264 100

260 26.0 20.5 30.7

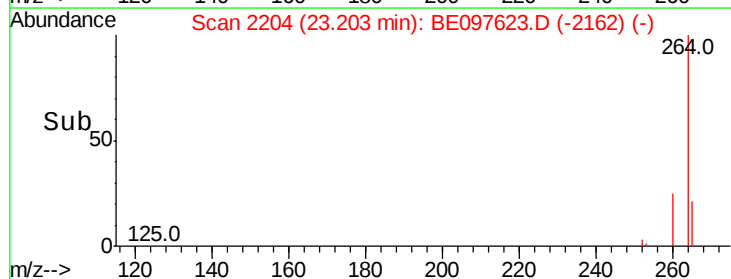
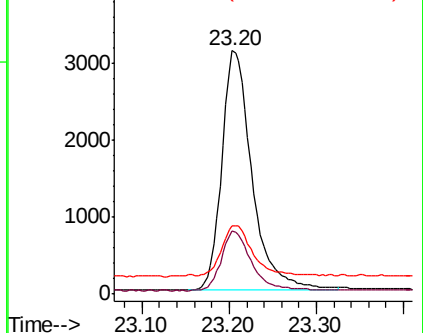
265 28.1 22.8 34.2



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: 0.420 ng

RT: 22.53 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

Instrument :

BNA_E

ClientSampleId :

PB112996BS

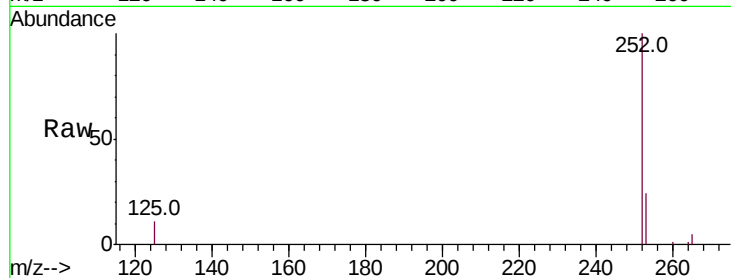
Tot Ion:252 Resp: 8123

Ion Ratio Lower Upper

252 100

253 23.9 20.0 30.0

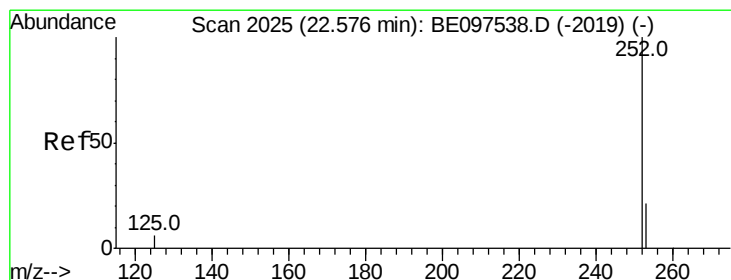
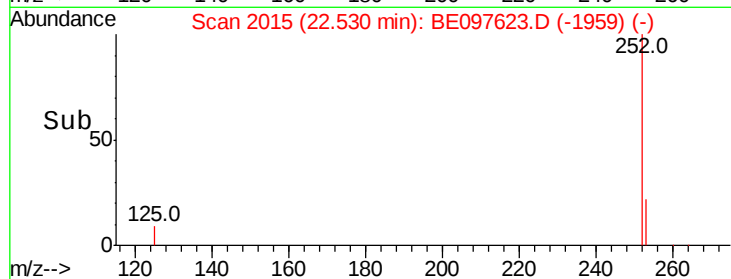
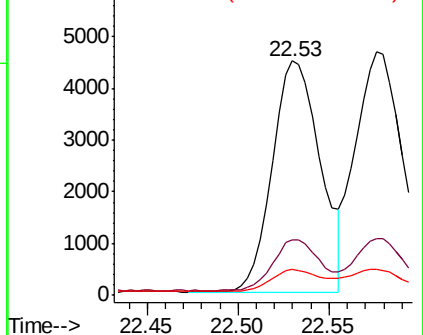
125 10.9 16.0 24.0#



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: 0.414 ng

RT: 22.58 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

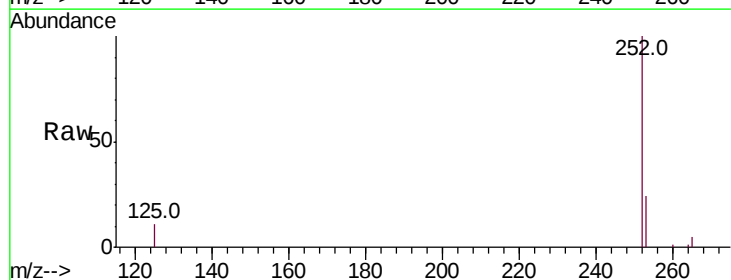
Tgt Ion:252 Resp: 9151

Ion Ratio Lower Upper

252 100

253 23.5 16.0 24.0

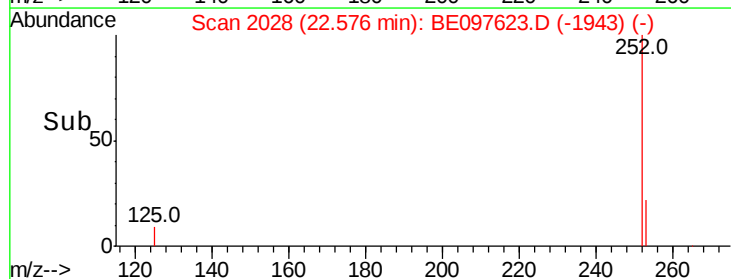
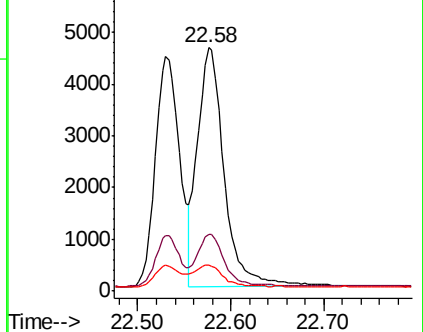
125 10.9 8.0 12.0



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: 0.430 ng

RT: 23.11 min Scan# 2178

Delta R.T. 0.00 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

Instrument :

BNA_E

ClientSampleId :

PB112996BS

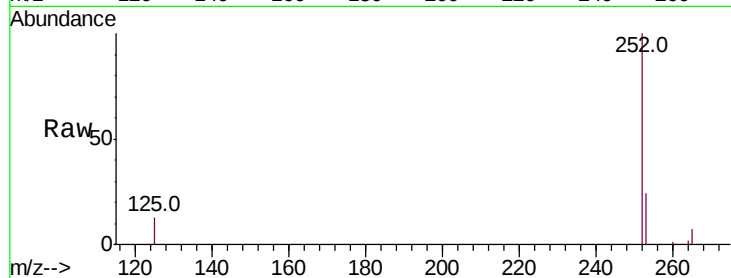
Tot Ion:252 Resp: 8080

Ion Ratio Lower Upper

252 100

253 23.7 16.0 24.0

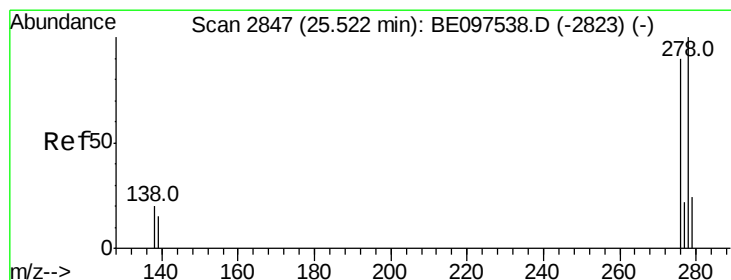
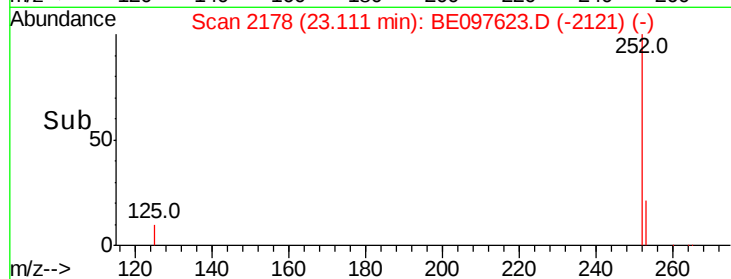
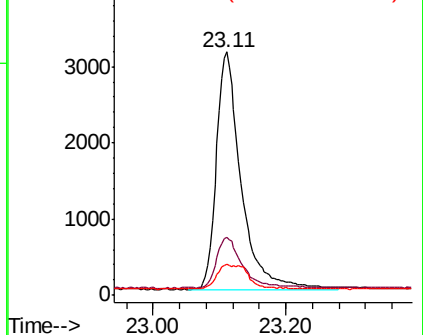
125 12.7 12.0 18.0



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: 0.416 ng

RT: 25.52 min Scan# 2851

Delta R.T. 0.01 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

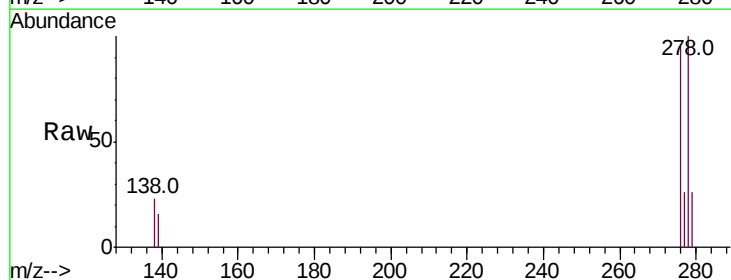
Tgt Ion:278 Resp: 8440

Ion Ratio Lower Upper

278 100

139 16.2 16.0 24.0

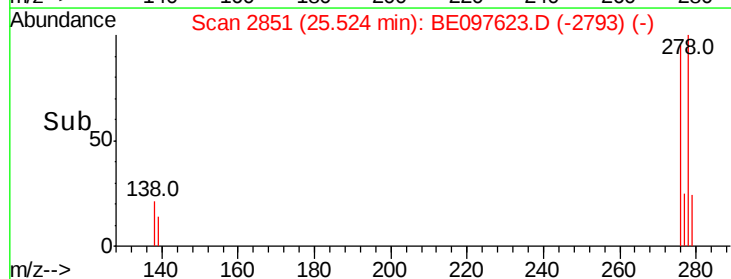
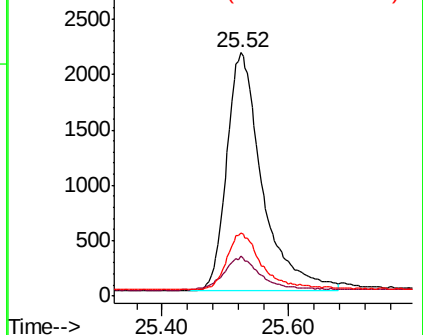
279 25.8 20.0 30.0

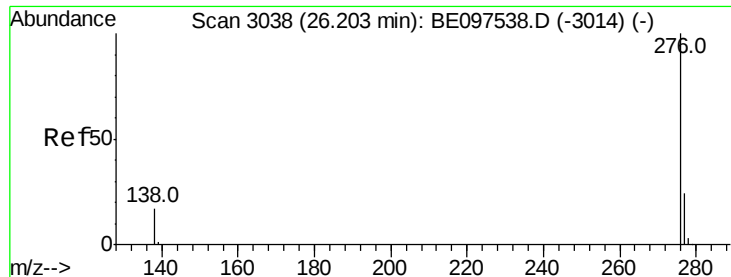


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.436 ng

RT: 26.21 min Scan# 3044

Delta R.T. 0.01 min

Lab File: BE097623.D

Acq: 21 Sep 2018 22:12

Instrument :

BNA_E

ClientSampleId :

PB112996BS

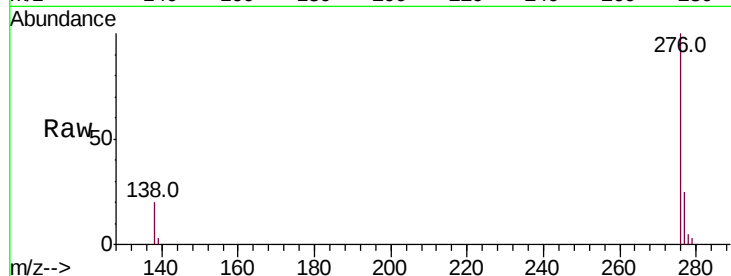
Tot Ion:276 Resp: 8604

Ion Ratio Lower Upper

276 100

277 25.5 16.0 24.0#

138 20.2 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

